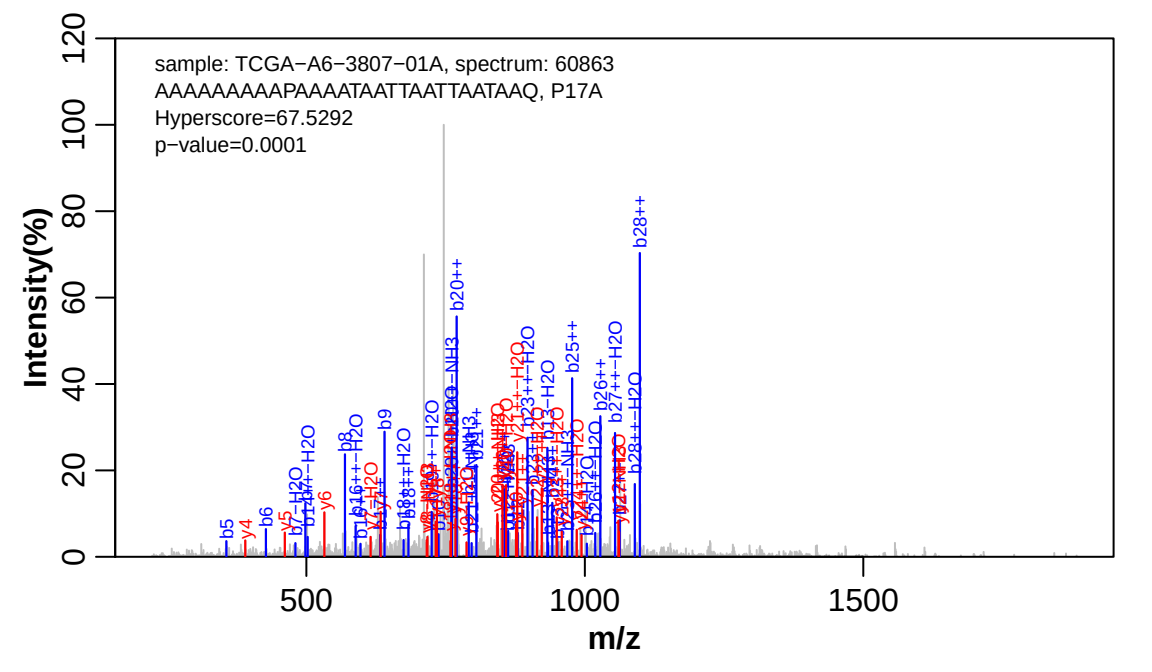
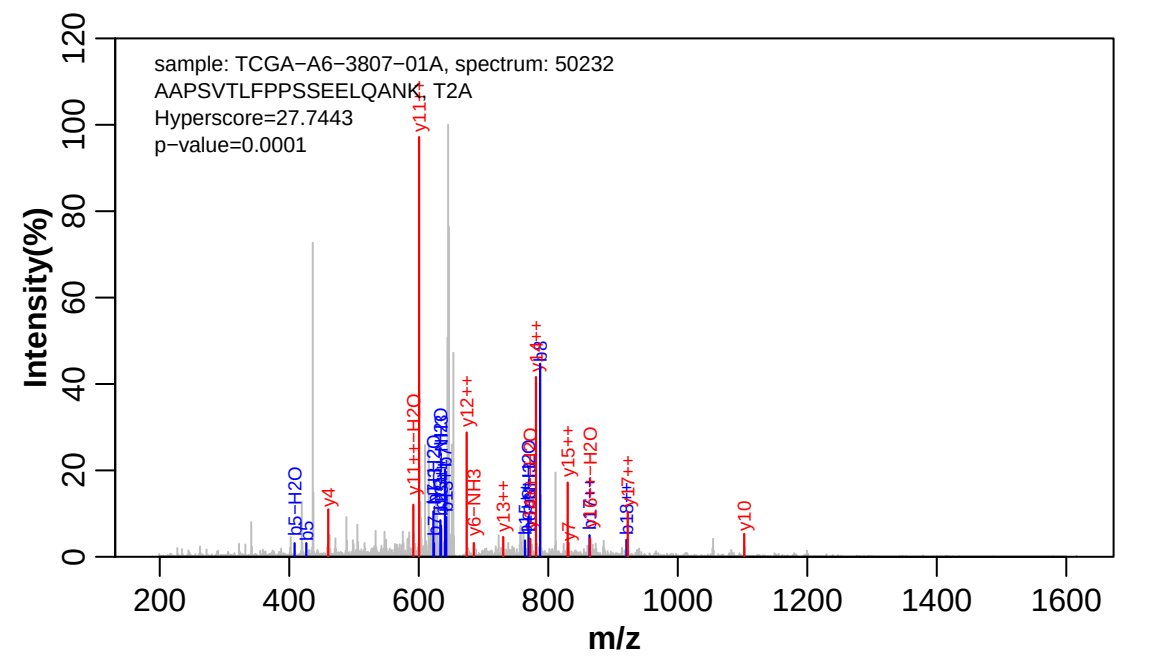
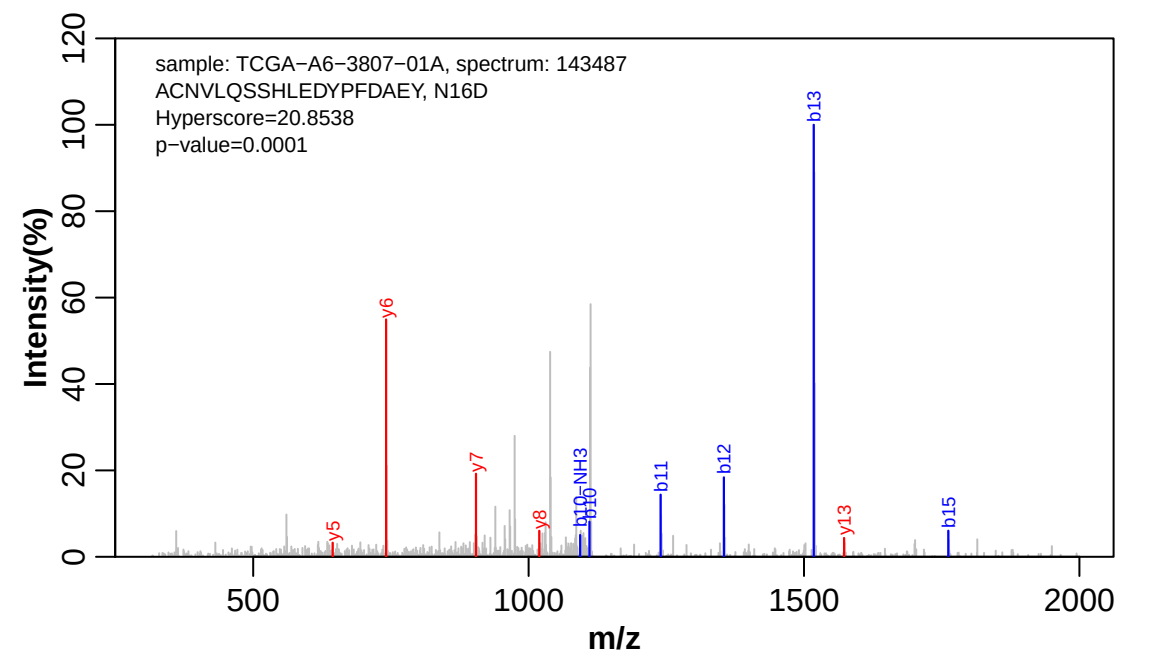
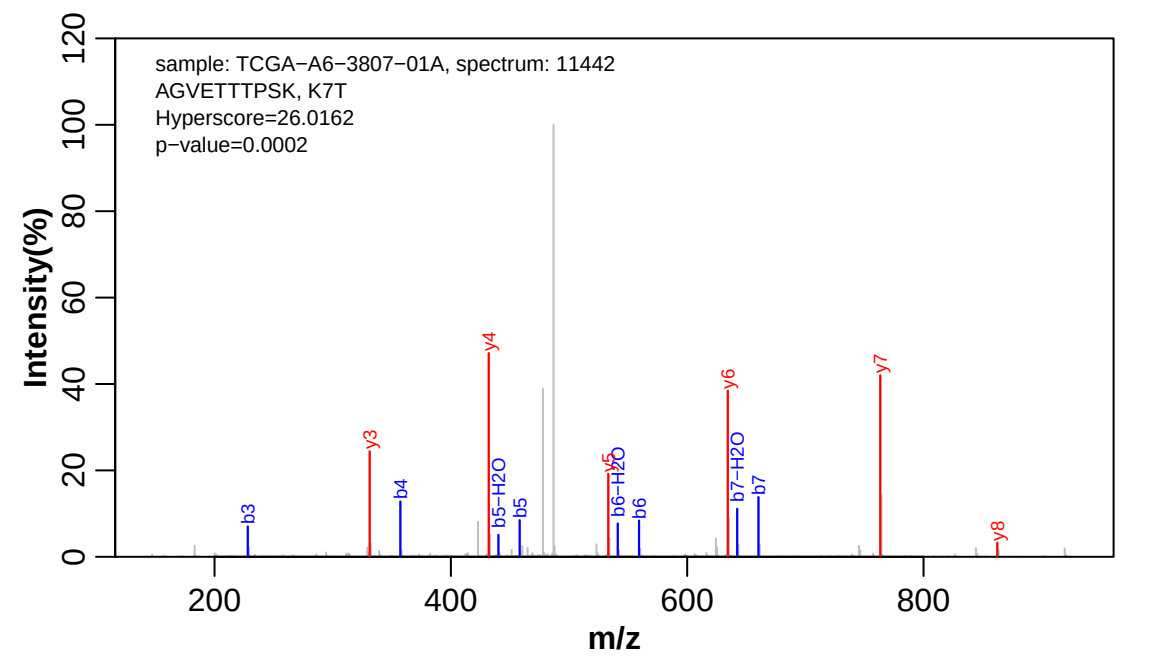
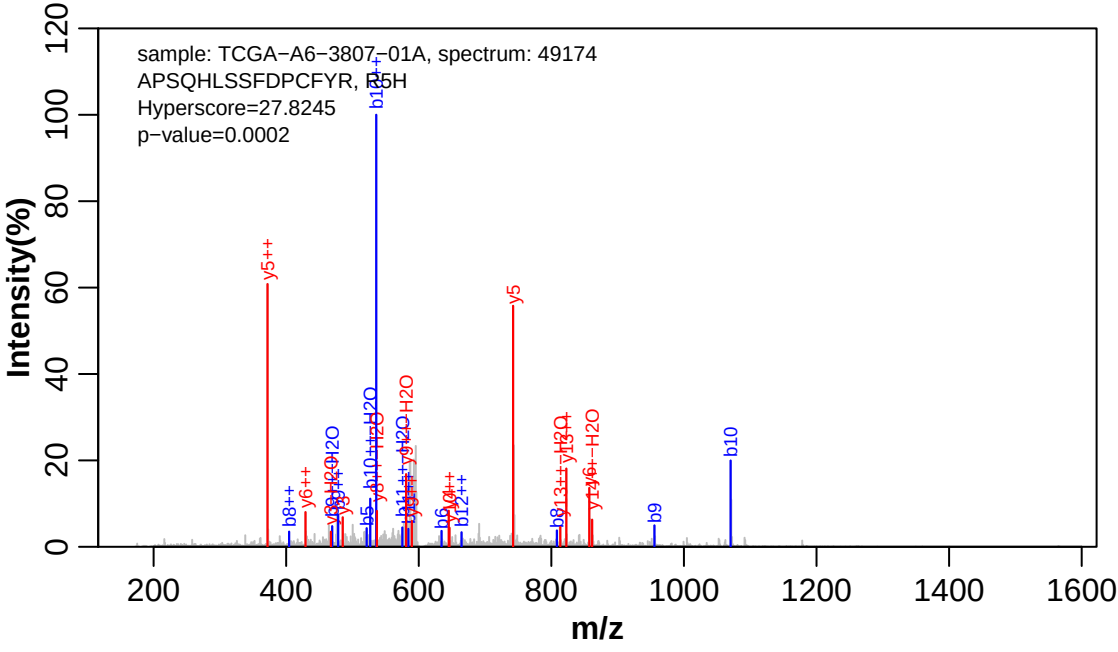
Supplemental Fig S4: Annotated spectra for peptide spectrum matches identified based on Hypersocre in the colorectal cancer study.

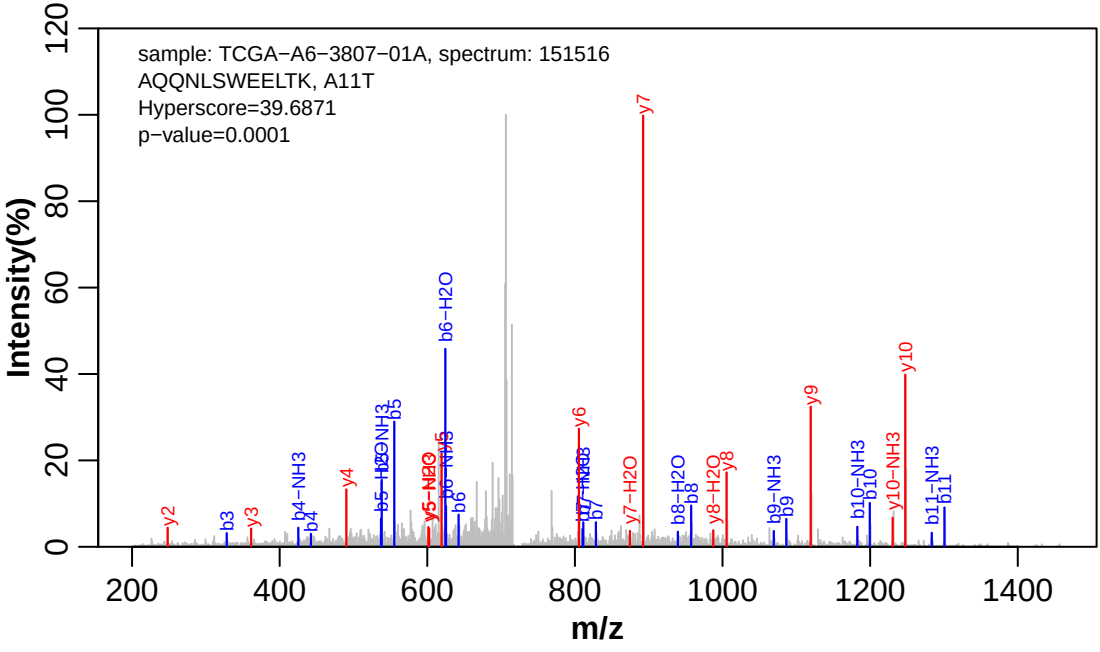

sample: TCGA−A6−3807−01A, spectrum: 60863
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=67.5292
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5
y4
b6
y5
b7++−H2O
y6
b8
b8++−H2O
b9
y7++
y7++−H2O
b10++−H2O
b10++
b11++−H2O
b11++
b12++−H2O
b12++
b13++−H2O
b13++
b14++−H2O
b14++
b15++−H2O
b15++
b16++−H2O
b16++
b17++−H2O
b17++
b18++−H2O
b18++
b19++−H2O
b19++
b20++−NH3
b20++
b21++−H2O
b21++
b22++−H2O
b22++
b23++−H2O
b23++
b24++−NH3
b24++
b25++−H2O
b25++
b26++−H2O
b26++
b27++−H2O
b27++
b28++−H2O
b28++

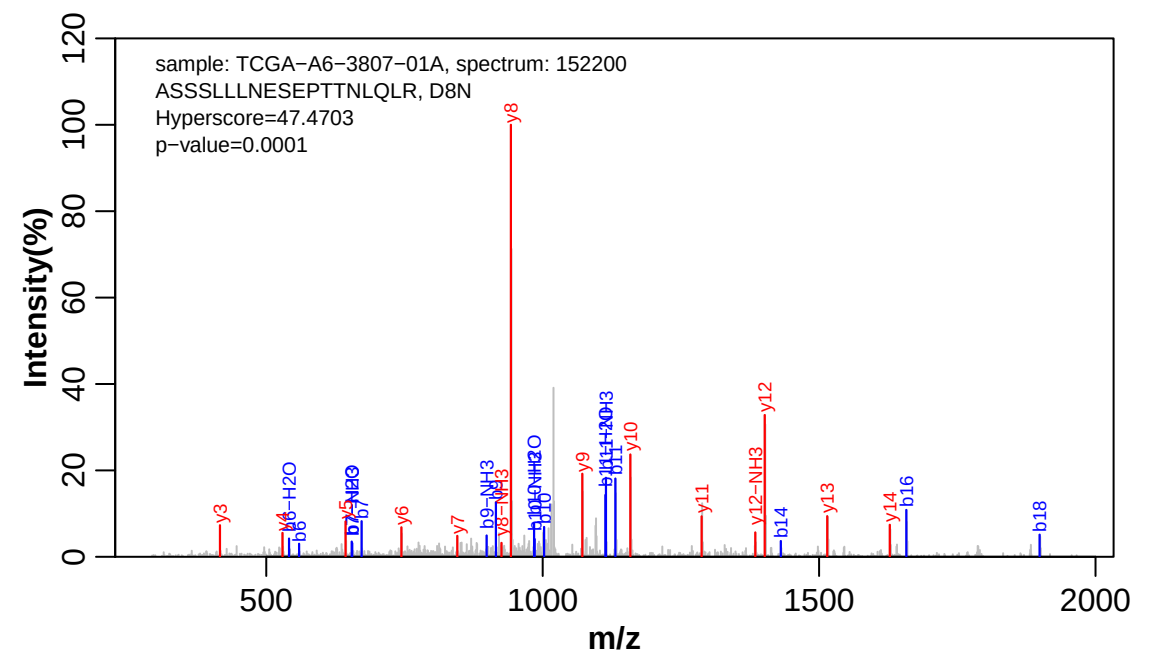

sample: TCGA−A6−3807−01A, spectrum: 50232
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=27.7443
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y11++
y11++−H2O
y12++
y6−NH3
y13++
y14++
y15++
y16++−H2O
y10
b5−H2O
b5
y4

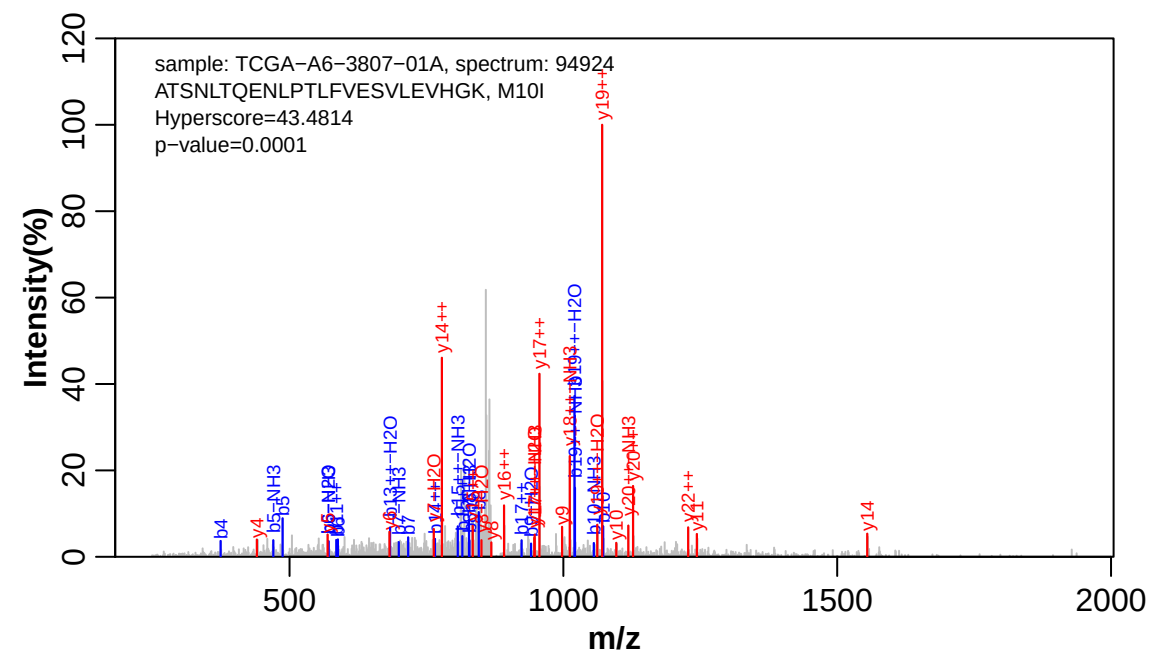

sample: TCGA−A6−3807−01A, spectrum: 143487
ACNVLQSSHLEDYPFDAEY, N16D
Hyperscore=20.8538
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
y5
y6
y7
y8
b10-NH3
b10
b11
b12
b13
y13
b15

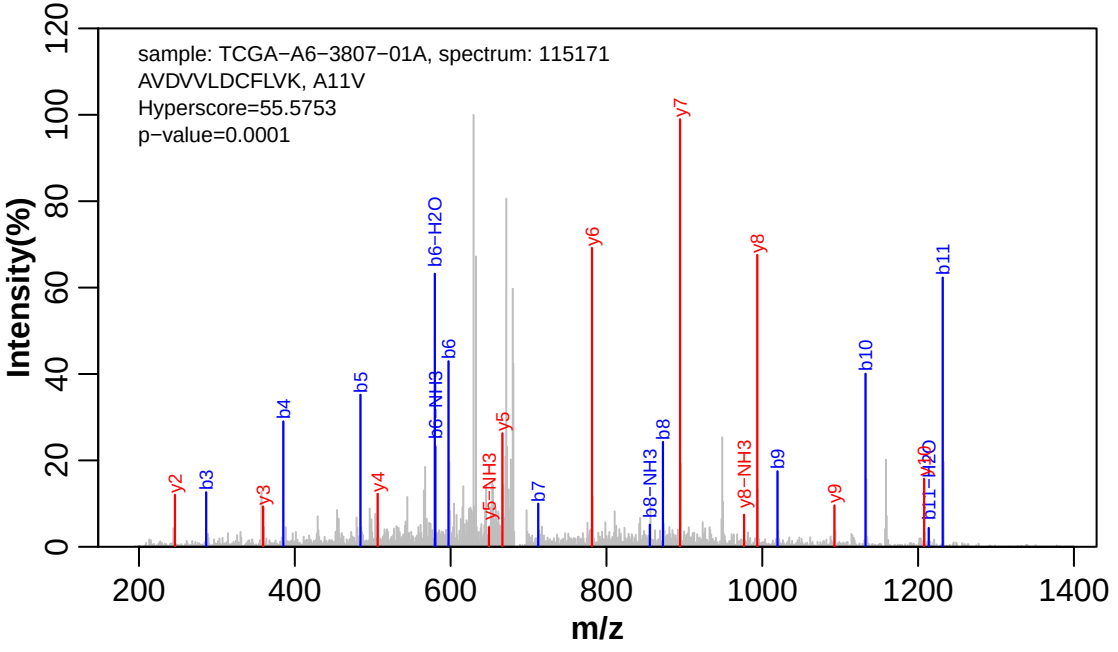

sample: TCGA−A6−3807−01A, spectrum: 11442
AGVETTTPSK, K7T
Hyperscore=26.0162
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8

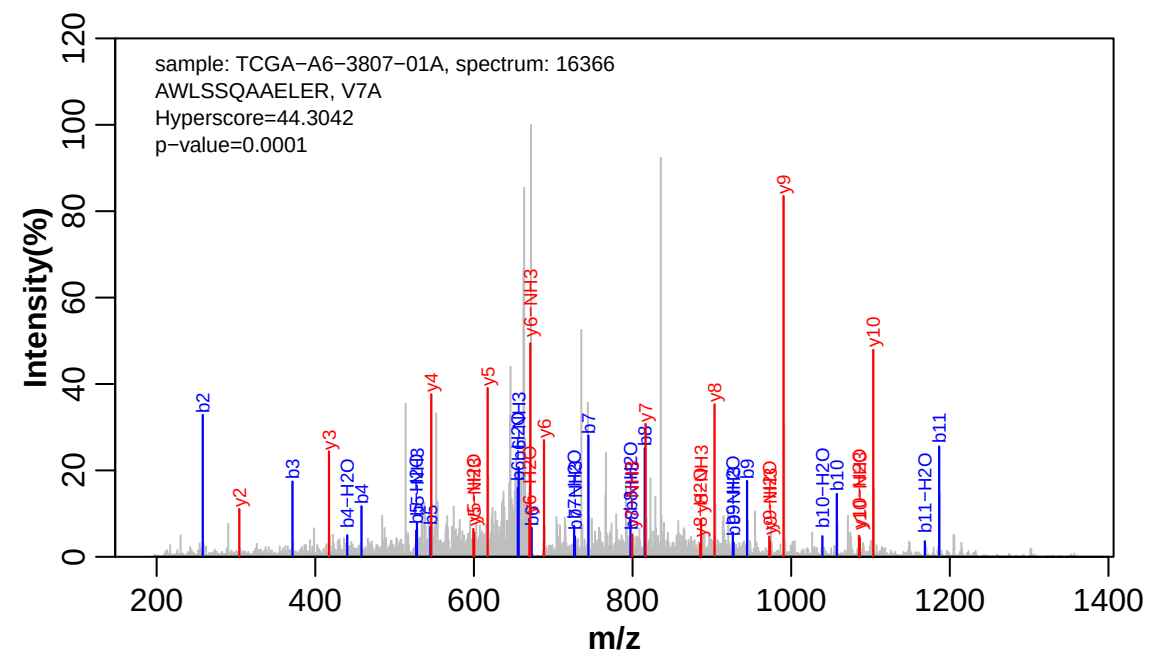

sample: TCGA−A6−3807−01A, spectrum: 49174
APSQHLSSFDPCFYR, R5H
Hyperscore=27.8245
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b10++
y5++
y5
b10
b9
b8++
y6++
b5
b12++
y6++−H2O

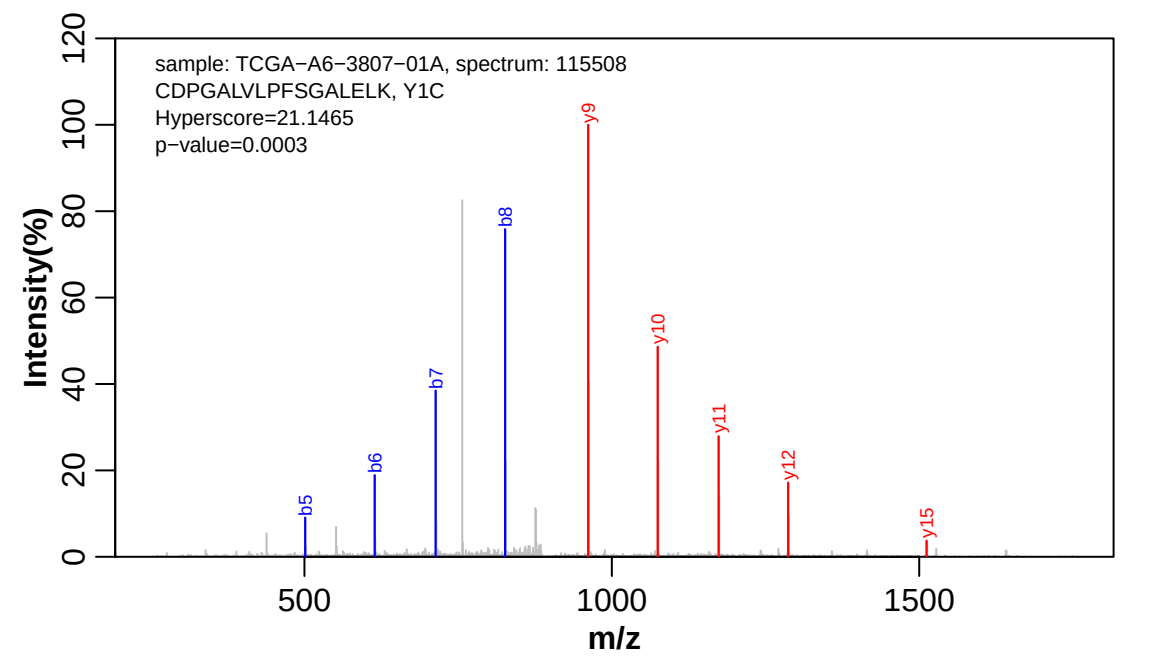

sample: TCGA−A6−3807−01A, spectrum: 151516
AQQNLSWEELTK, A11T
Hyperscore=39.6871
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4−NH3
b4
y4
b5−H2O
b5−NH3
b5
y5−H2O
y5−NH3
b6−H2O
b6−NH3
b6
y6
b7−NH3
b7
y7−H2O
y7
b8−H2O
b8
y8−H2O
y8
b9−NH3
b9
y9
b10−NH3
b10
y10−NH3
y10
b11−NH3
b11

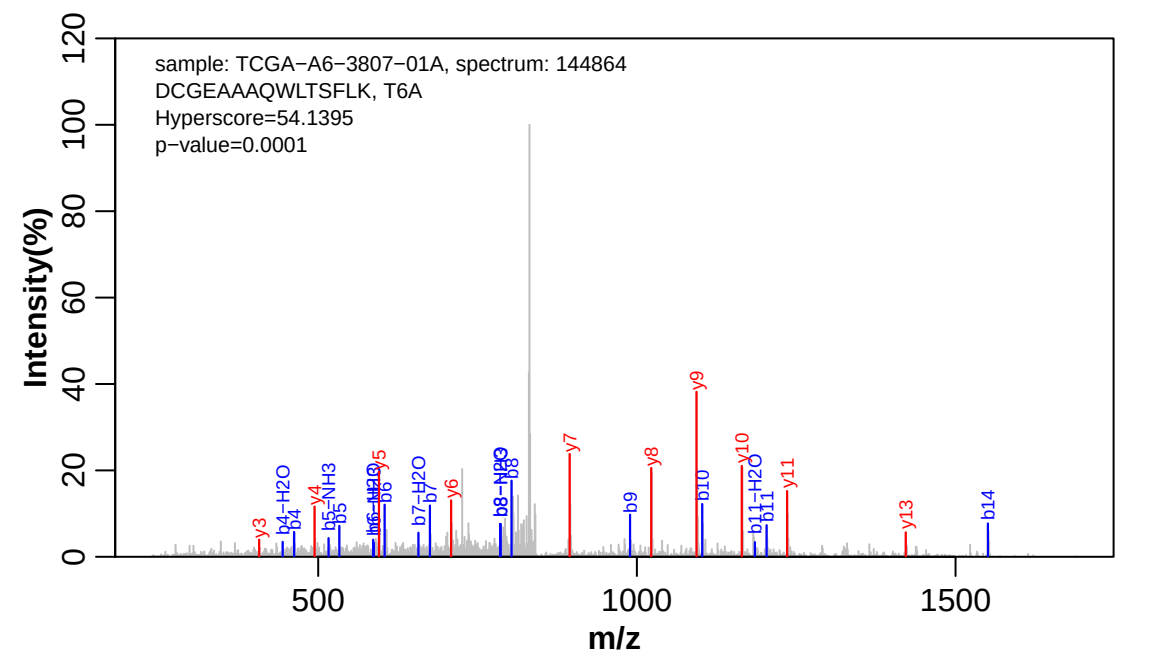

sample: TCGA−A6−3807−01A, spectrum: 152200
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=47.4703
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y8
y3
y4
b6
b6−H2O
y5
b7
y6
y7
b9−NH3
y8−NH3
b10
y9
b11
y10
y11
y12
y12−NH3
b14
y13
y14
b16
b18

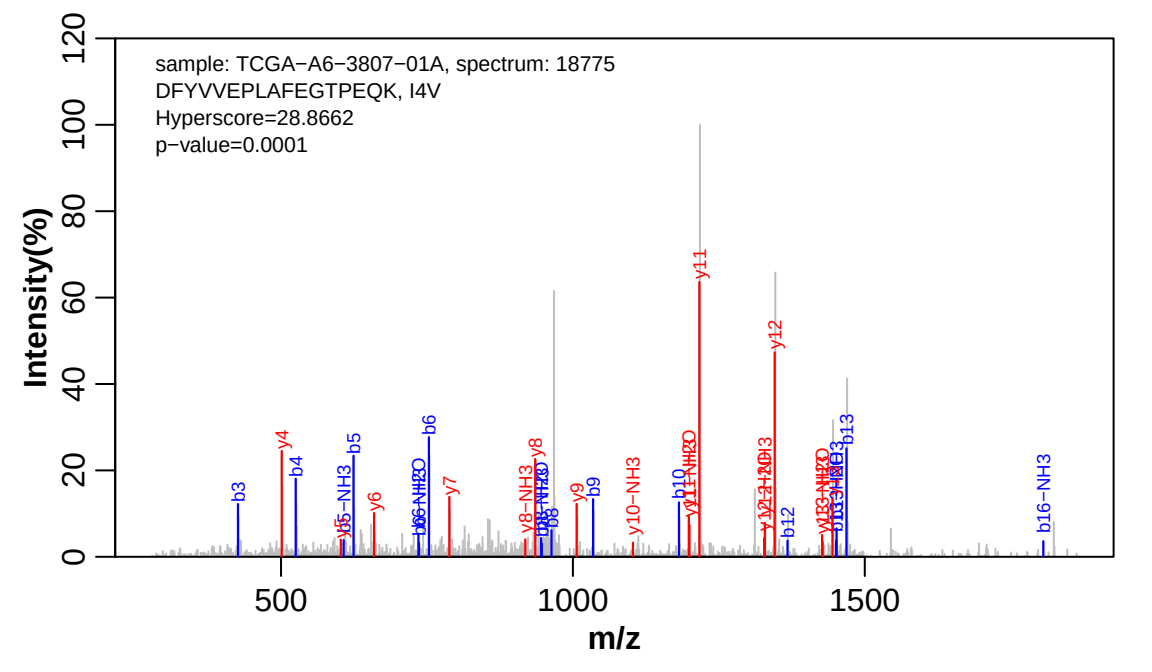

sample: TCGA−A6−3807−01A, spectrum: 94924
ATSNLTQENLPTLFVESVLEVHGK, M10I
Hyperscore=43.4814
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b4
y4
b5−NH3
b5
y14++
y19++
y17++
y16++
y14
y22++

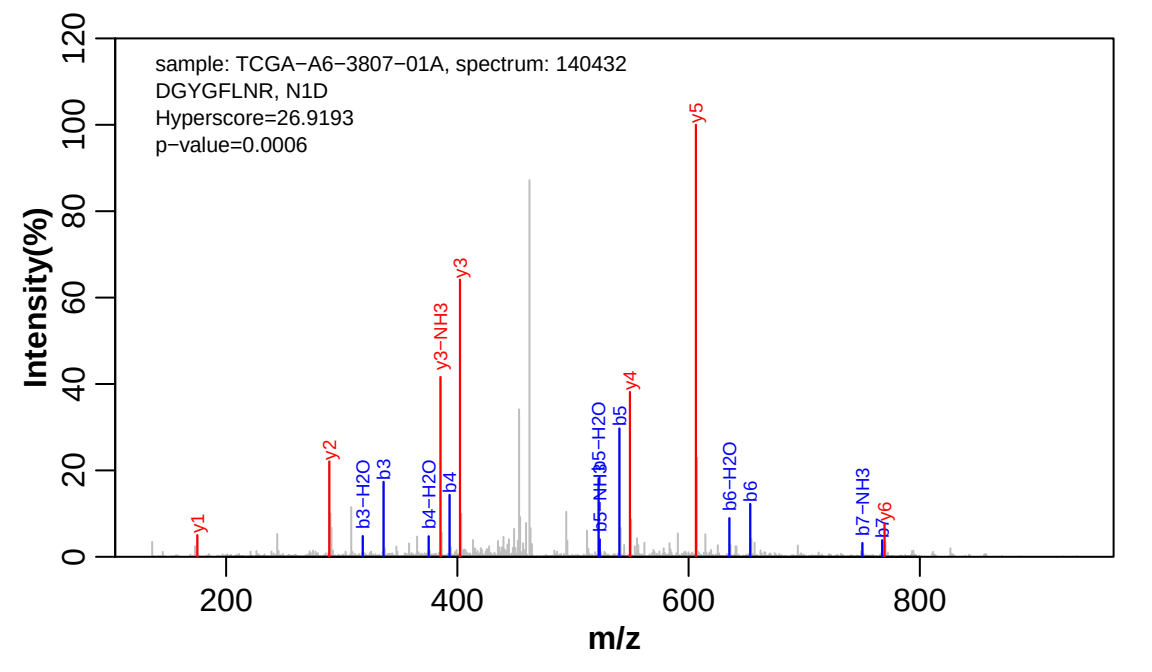

sample: TCGA−A6−3807−01A, spectrum: 115171
AVDVVLDCFLVK, A11V
Hyperscore=55.5753
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
b5
y4
b6−H2O
b6−NH3
b6
y5
y5−NH3
b7
y6
b8
b8−NH3
y7
y8
y8−NH3
b9
y9
b10
b11
b11−H2O

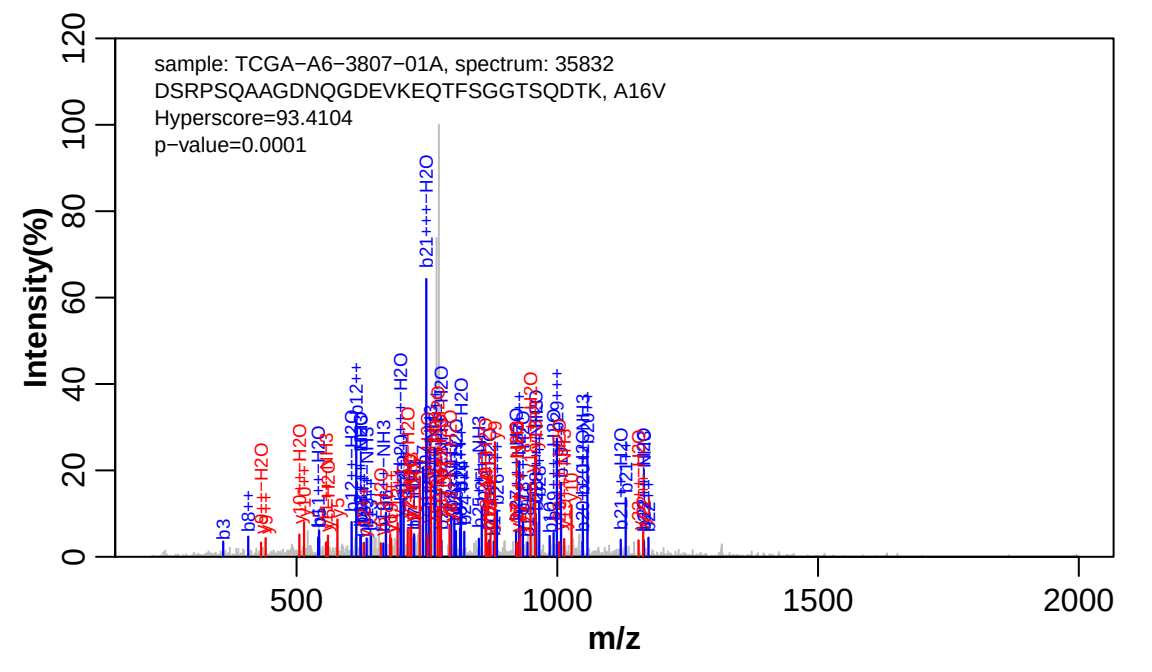

sample: TCGA−A6−3807−01A, spectrum: 16366
AWLSSQAAELER, V7A
Hyperscore=44.3042
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4−H2O
b4
y4
y5
y6−NH3
y6
b7
y7
y8
y9
y10
b10−H2O
b10
b11−H2O
b11

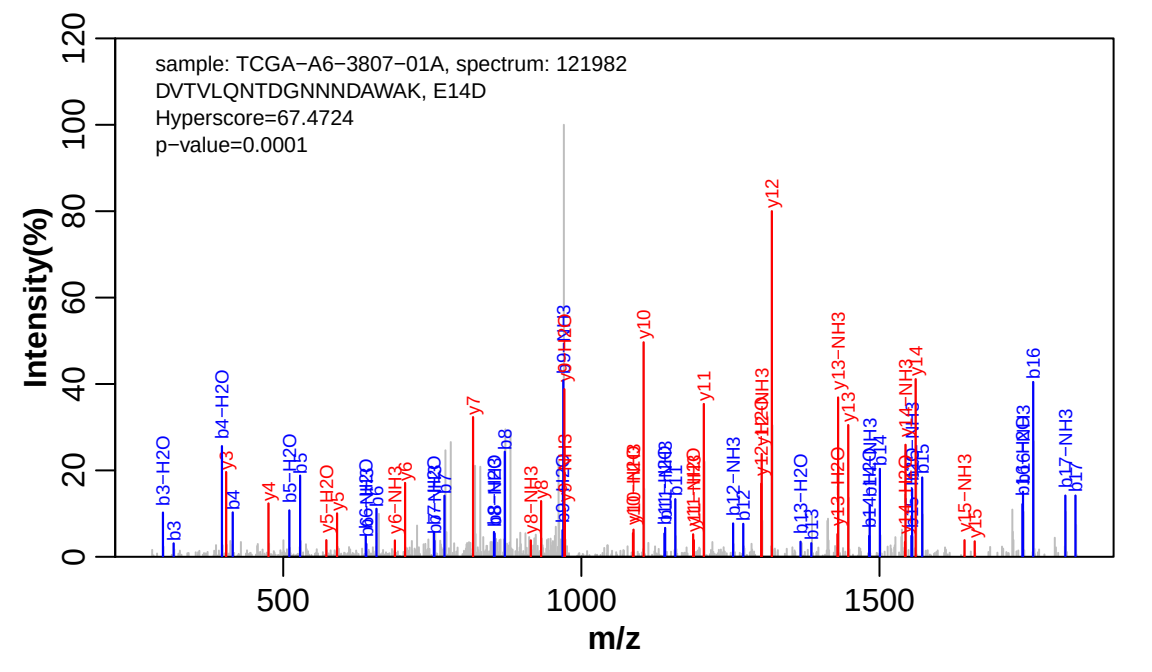

sample: TCGA−A6−3807−01A, spectrum: 115508
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.1465
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6
b7
b8
y9
y10
y11
y12
y15

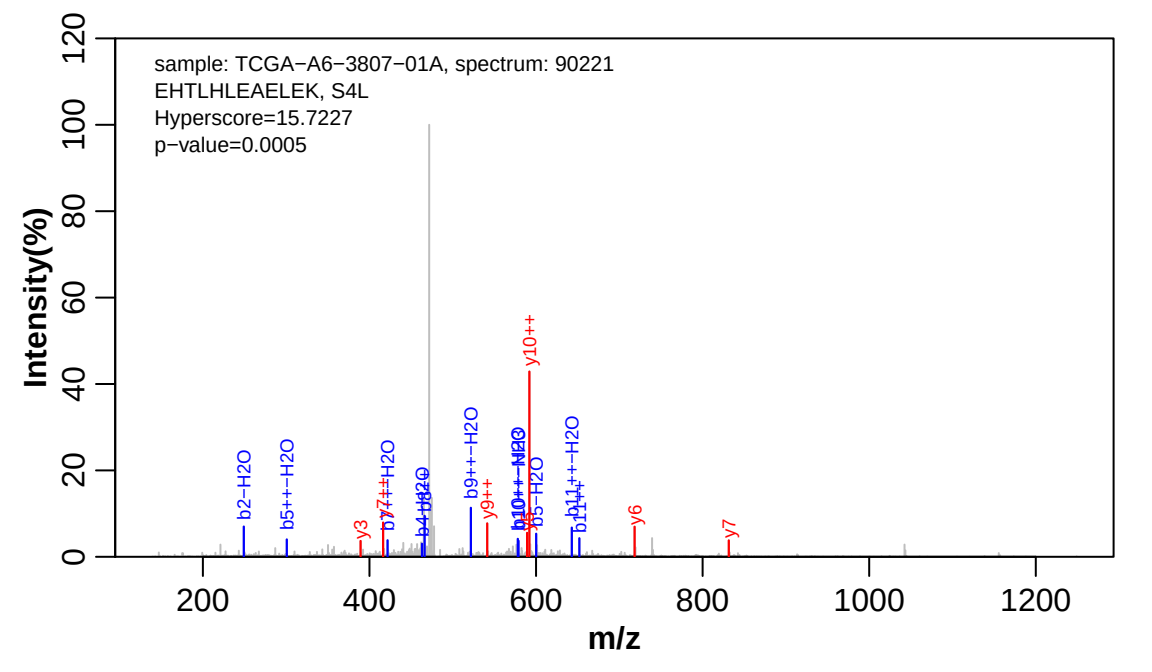

sample: TCGA−A6−3807−01A, spectrum: 144864
DCGEAAAQWLTSFLK, T6A
Hyperscore=54.1395
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b4−H2O
b4
y4
b5−NH3
b5
b6
y5
b7−H2O
b7
y6
b8
y7
b9
y8
y9
b10
y10
b11−H2O
b11
y11
y13
b14

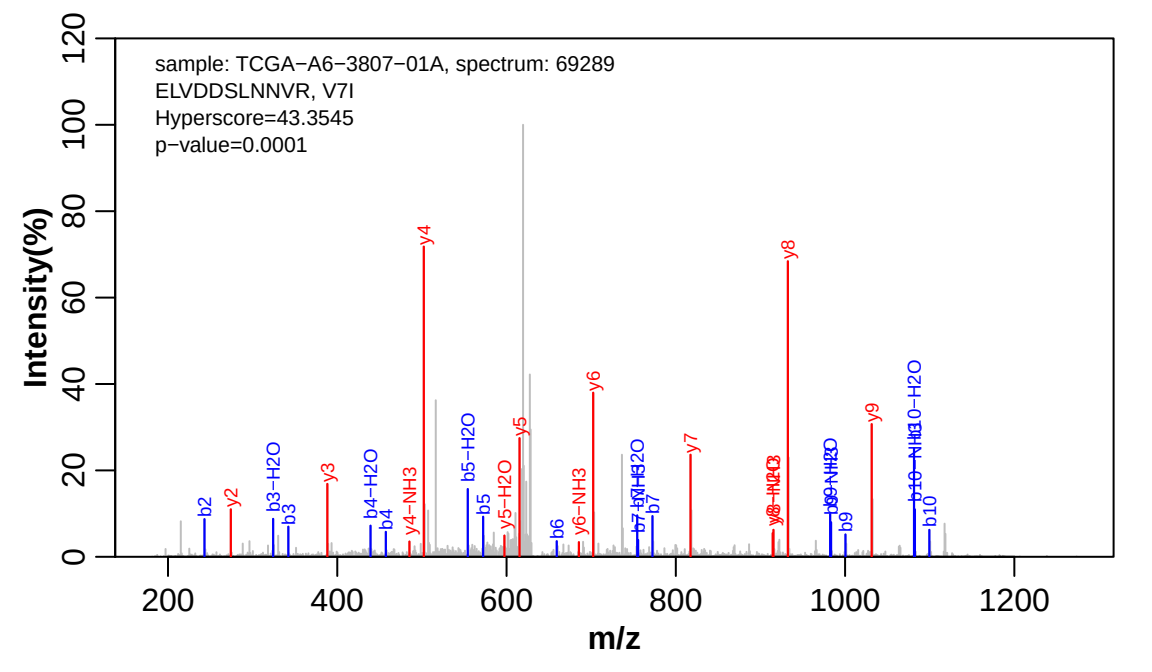

sample: TCGA−A6−3807−01A, spectrum: 18775
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=28.8662
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
y5−NH3
b5
y6
b6
y7
y8−NH3
y8
y9
b9
y10−NH3
b10
y11
y12
b12
b13
b16−NH3

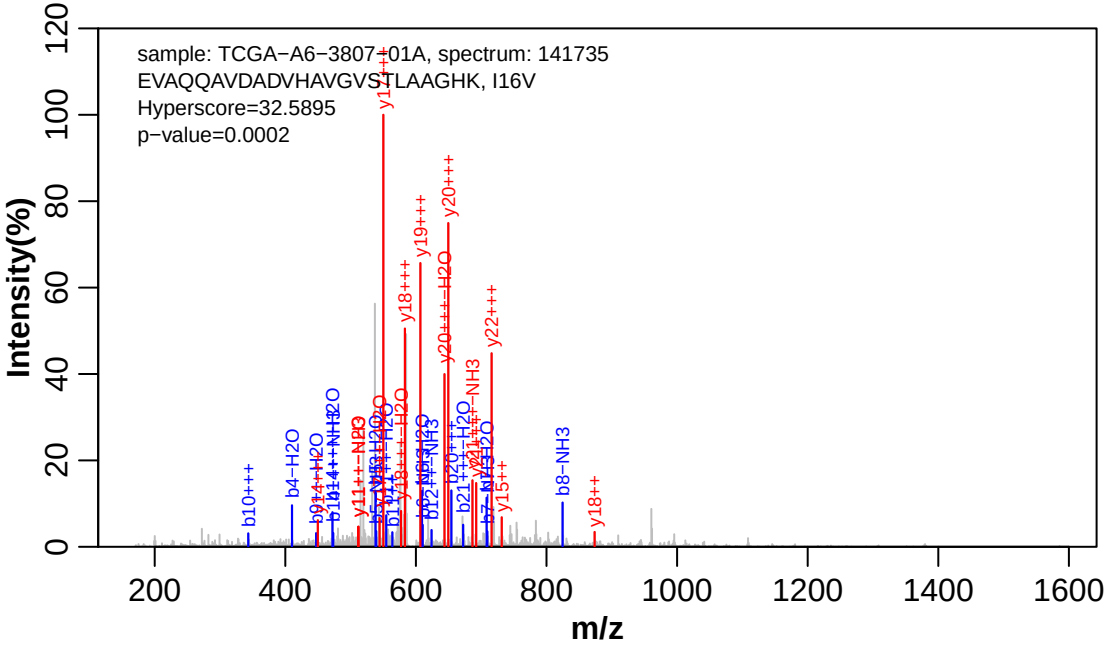

sample: TCGA−A6−3807−01A, spectrum: 140432
DGYGFLNR, N1D
Hyperscore=26.9193
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
y3
b4
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7−NH3
b7
y6

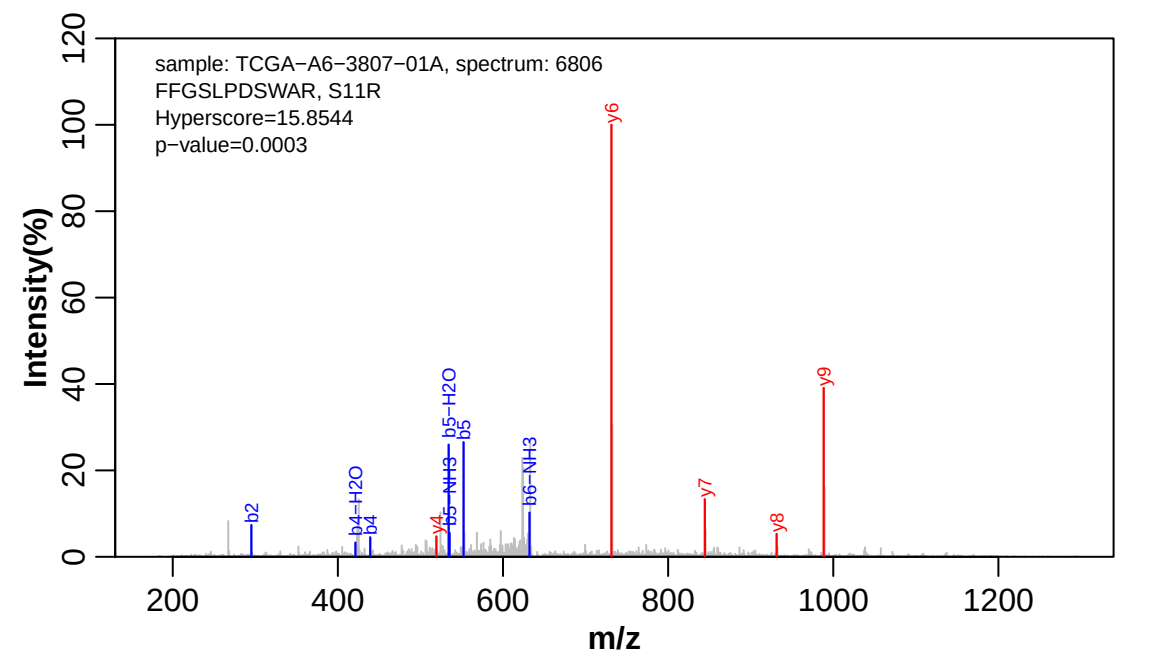

sample: TCGA−A6−3807−01A, spectrum: 35832
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=93.4104
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

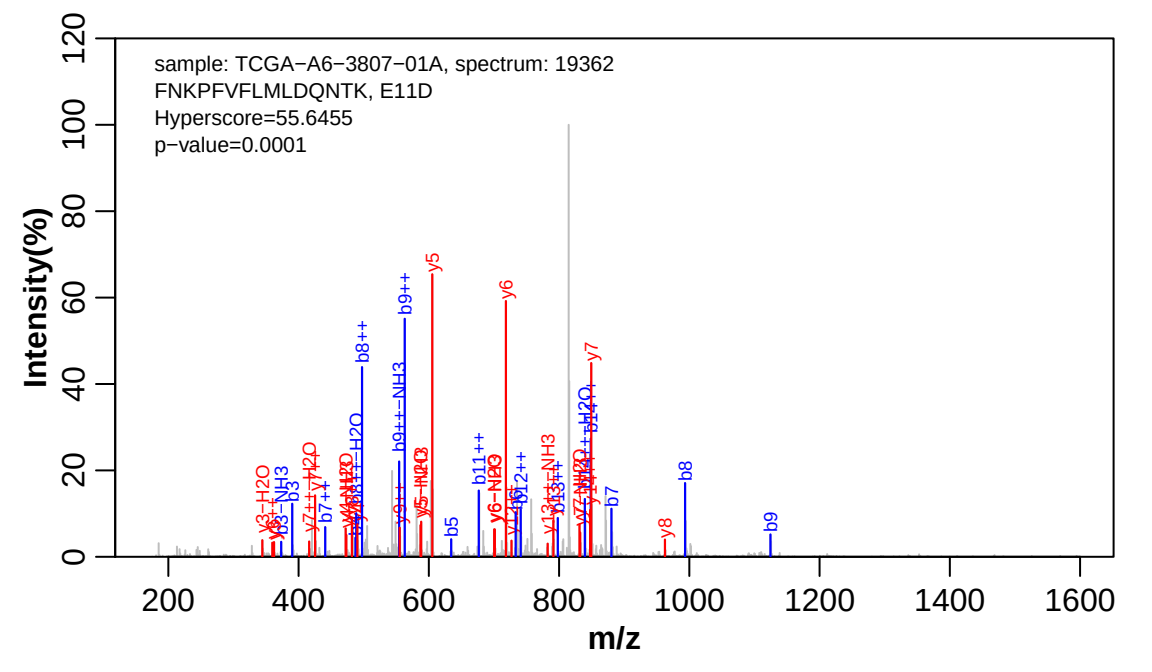

sample: TCGA−A6−3807−01A, spectrum: 121982
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=67.4724
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b3
b4−H2O
y3
b4
y4
b5−H2O
b5
y5−H2O
y5
b6−NH3
b6
y6−NH3
y6
b7−H2O
b7
y7
b8−NH3
b8
y8−NH3
y8
y9−NH3
b9
y10
y10−NH3
b10
y11
y11−NH3
b11
b12−NH3
b12
y12
y12−H2O
y12−NH3
b13−H2O
b13
y13−H2O
y13
y13−NH3
b14
y14
y14−NH3
y15−NH3
y15
b16
b16−NH3
b17−NH3
b17

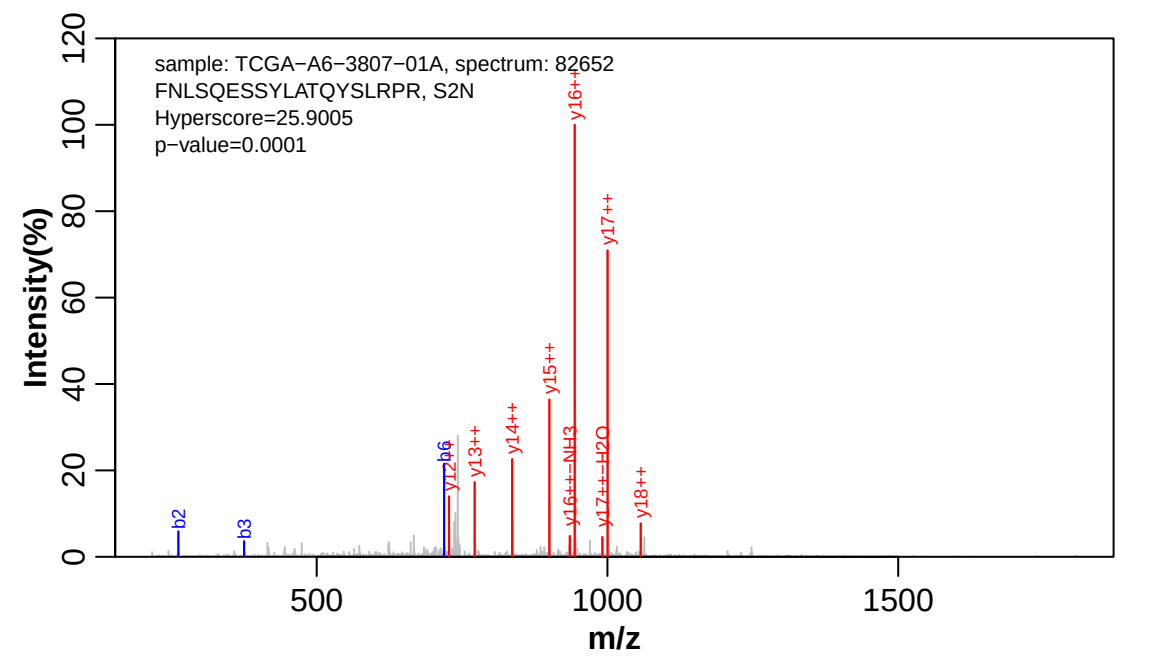

sample: TCGA−A6−3807−01A, spectrum: 90221
EHTLHLEAELEK, S4L
Hyperscore=15.7227
p−value=0.0005
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b5++−H2O
y3
b7++−H2O
b4−H2O
b9++−H2O
y9++
y10++
b5−H2O
b11++−H2O
y6
y7

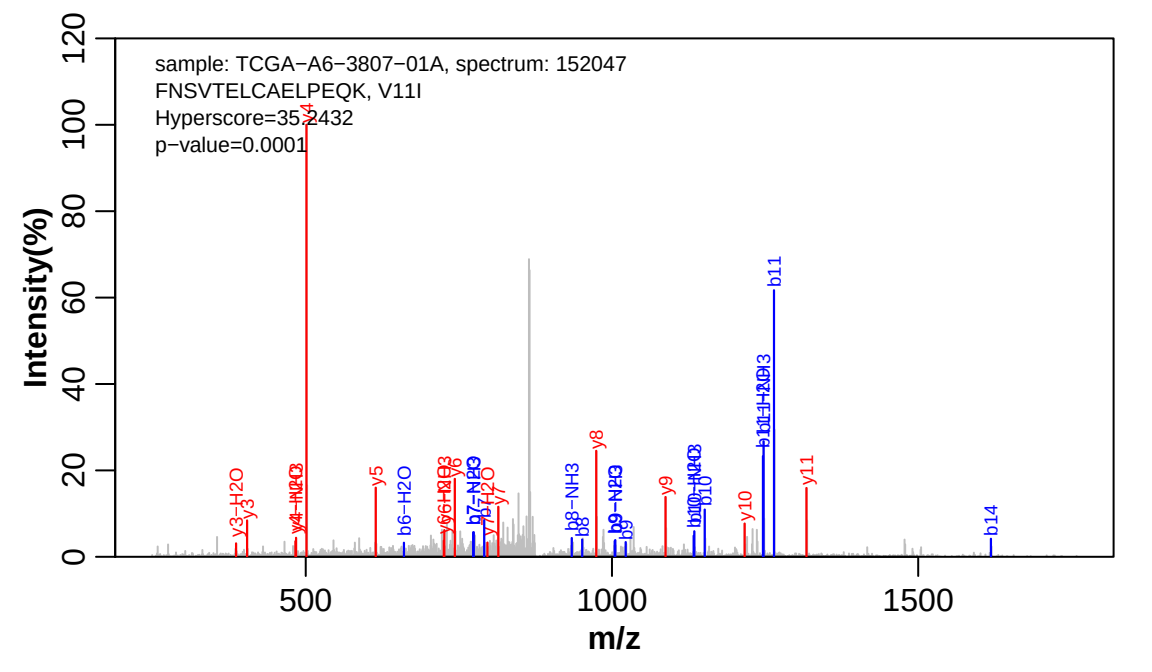

sample: TCGA−A6−3807−01A, spectrum: 69289
ELVDDSLNNVR, V7I
Hyperscore=43.3545
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
b5−H2O
b5
y5−H2O
y5
b6
y6−NH3
y6
y7
y8
b9
y9
b10−H2O
b10

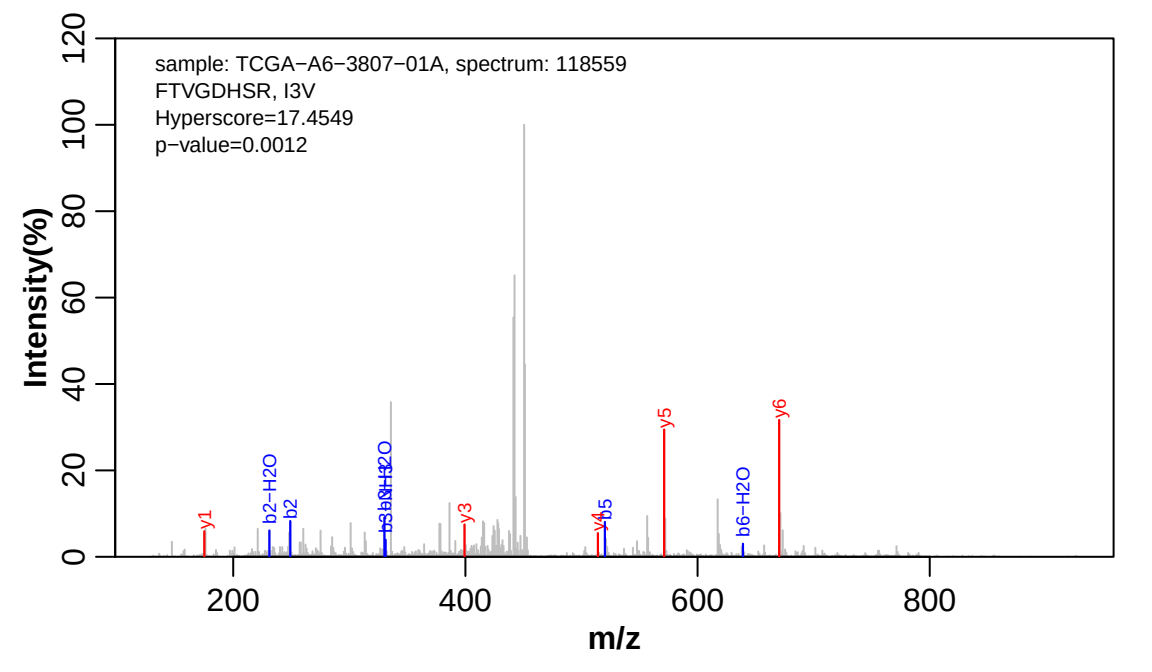

sample: TCGA−A6−3807−01A, spectrum: 141735
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=32.5895
p−value=0.0002
Intensity(%)
m/z
b10+++
b4−H2O
b8−NH3
y18++
y15++
y22+++
y20+++
y19+++
y18+++
y14+++
y20+++−H2O
y22+++−NH3

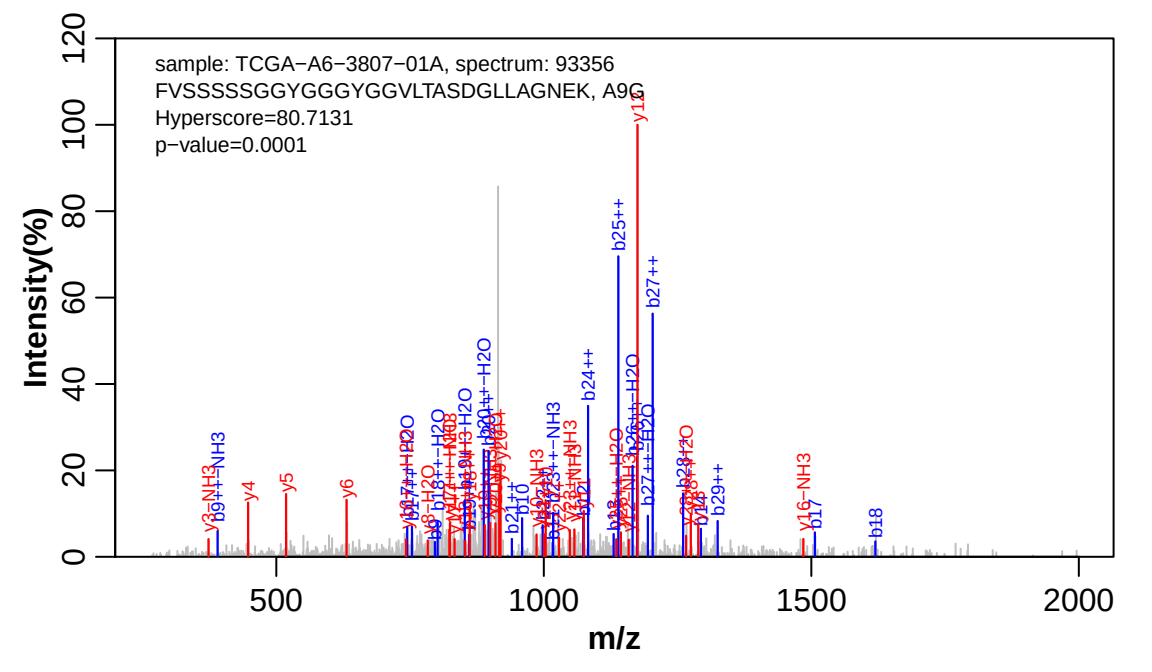

sample: TCGA−A6−3807−01A, spectrum: 6806
FFGSLPDSWAR, S11R
Hyperscore=15.8544
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

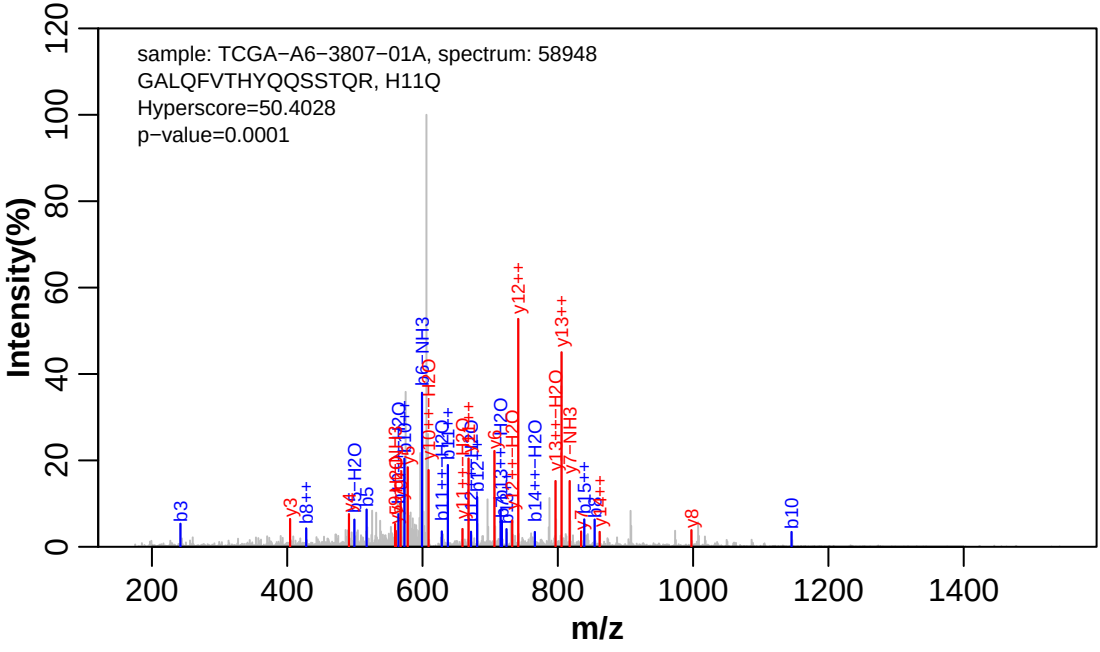

sample: TCGA−A6−3807−01A, spectrum: 19362
FNKPFVFLMLDQNTK, E11D
Hyperscore=55.6455
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
b8++
b9++
b9++−NH3
b11++
b5
b7++
b8
b9
y8
y6−NH3
y6−H2O
y7−H2O
y7−NH3
b7
b9−NH3
b9−H2O
b8−NH3
b8−H2O
y3−H2O
y3−NH3
y4−H2O
y4−NH3
y5−H2O
y5−NH3
y6++
y6−H2O
y6−NH3
y7++
y7−H2O
y7−NH3
b7++
b8++
b8−H2O
b8−NH3
b9++
b9++−H2O
b9++−NH3
b11++
b5
y8
b8
b9

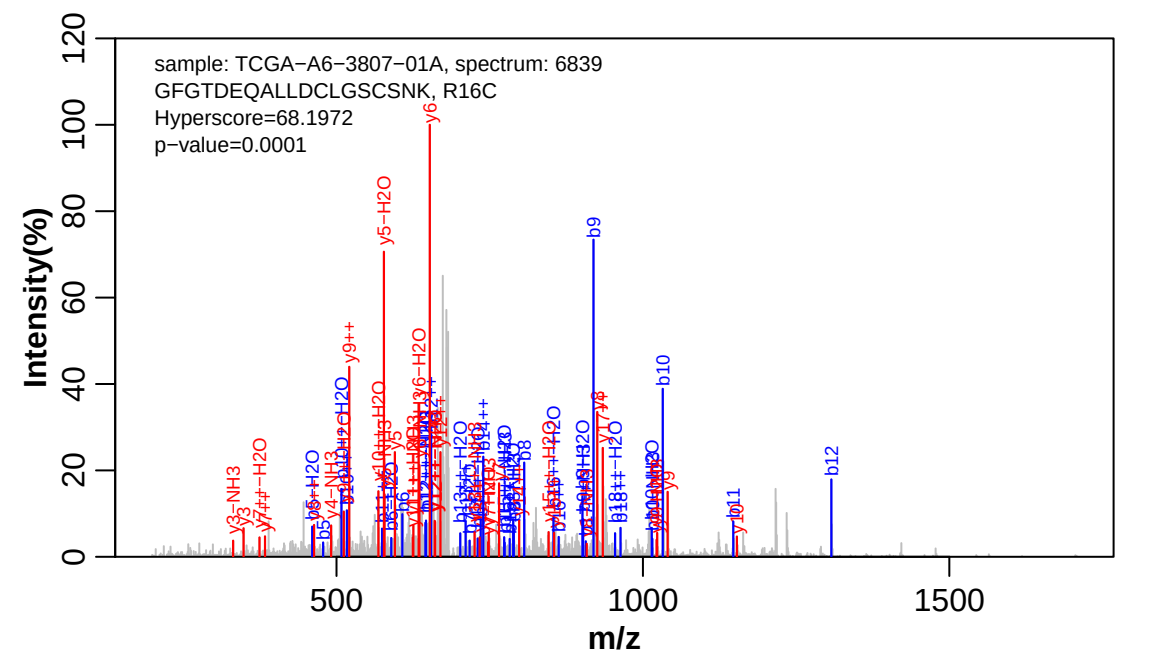

sample: TCGA−A6−3807−01A, spectrum: 82652
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=25.9005
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
b3
y12
b6
y13++
y14++
y15++
y16++−NH3
y16++
y17++−H2O
y17++
y18++

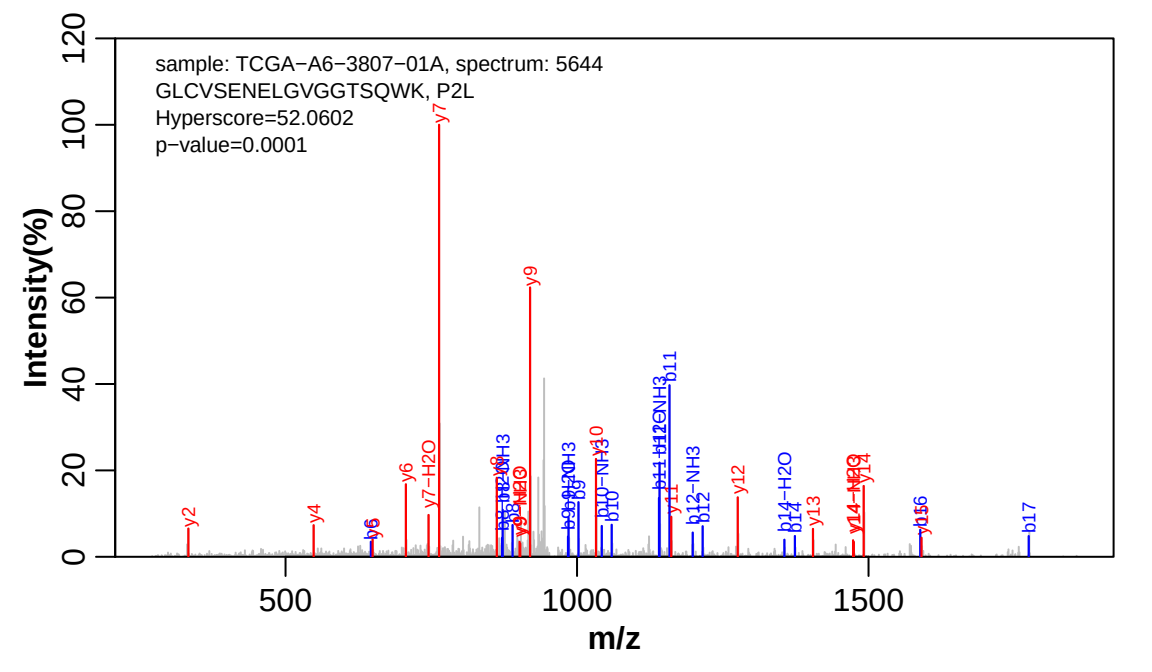

sample: TCGA−A6−3807−01A, spectrum: 152047
FNSVTELCAELPEQK, V11I
Hyperscore=35.2432
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y3−H2O
y3
y5
b6−H2O
y8
b8−NH3
y9
y10
y11
b11
b14

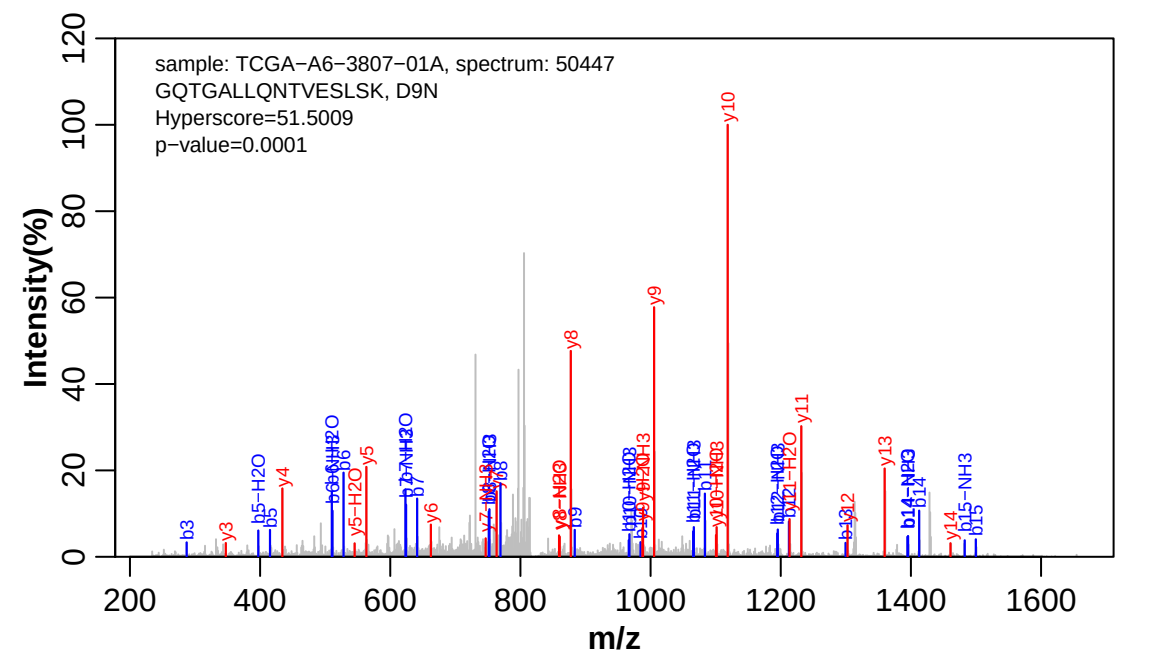

sample: TCGA−A6−3807−01A, spectrum: 118559
FTVGDHSR, I3V
Hyperscore=17.4549
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
b3−NH3
b3−H2O
b3
y3
y4
b5
y5
b6−H2O
y6

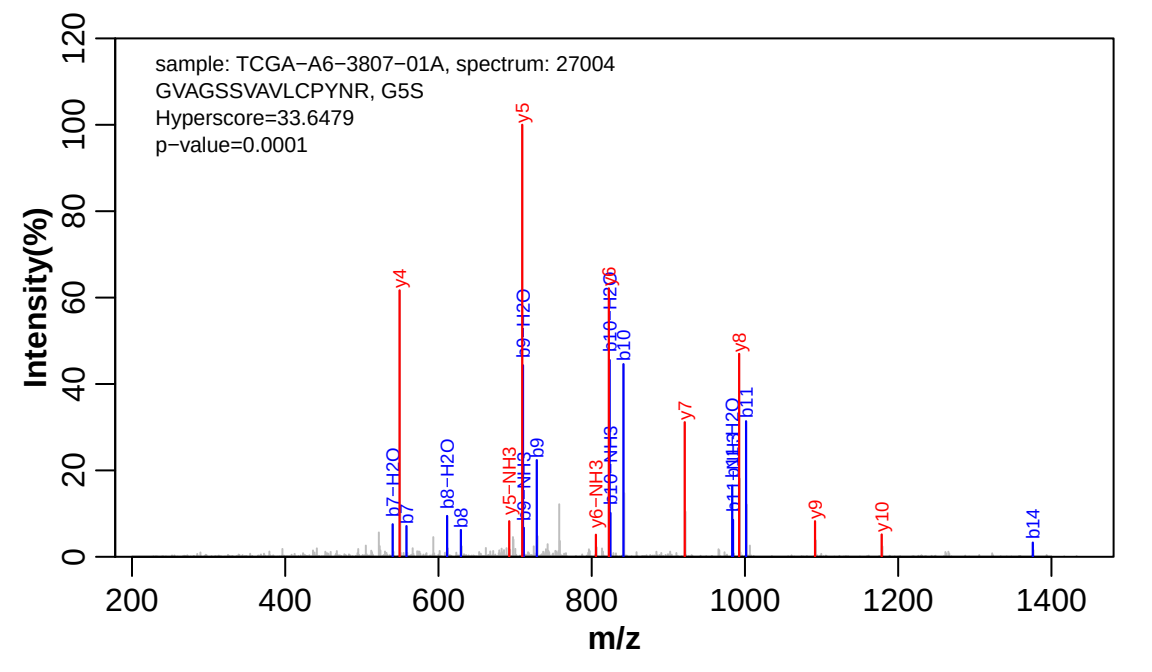

sample: TCGA−A6−3807−01A, spectrum: 93356
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=80.7131
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y14
b25++
b27++
b24++
y4
y5
y6
b29++
b18
y16−NH3
b17

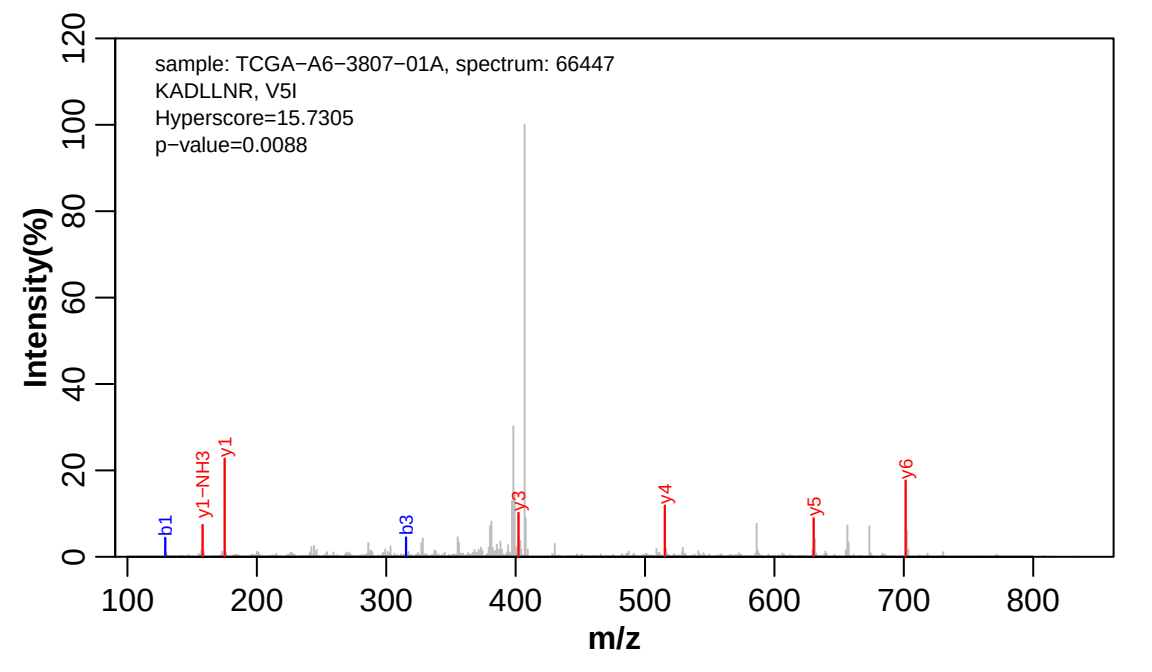

sample: TCGA−A6−3807−01A, spectrum: 58948
GALQFVTHYQQSSTQR, H11Q
Hyperscore=50.4028
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b8++
y4−H2O
b5
y12++
y13++
b6−NH3
y10++−H2O
b11++−H2O
y7−NH3
b14++−H2O
y8
b10

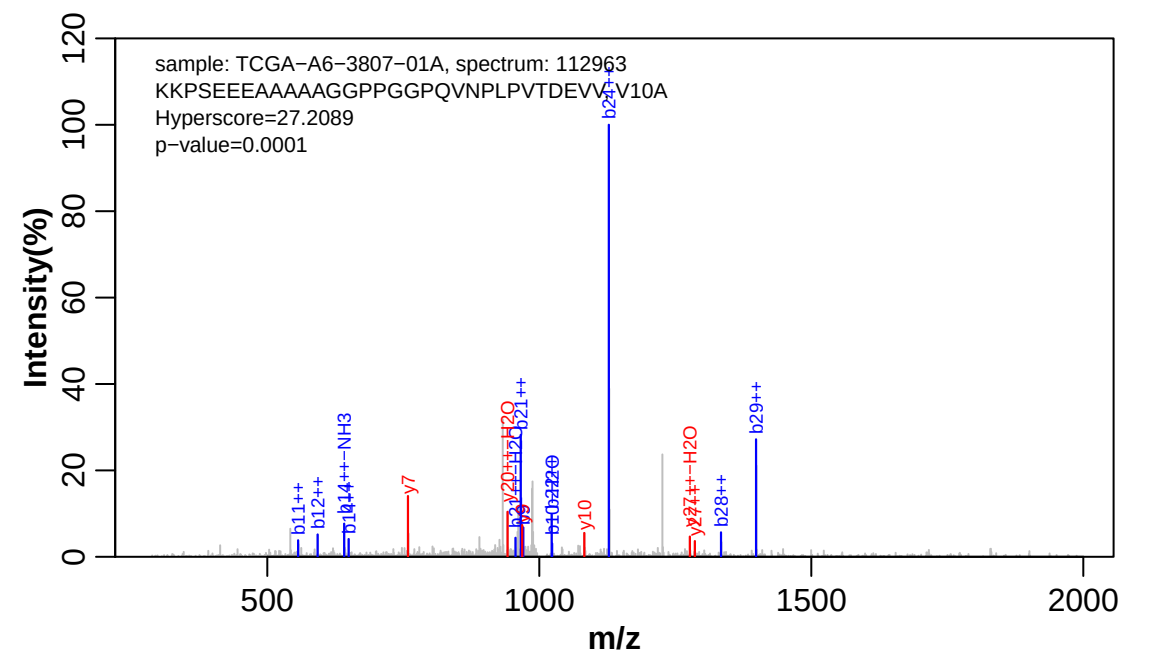

sample: TCGA−A6−3807−01A, spectrum: 6839
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=68.1972
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
y9++
b9
b10
b12
y7++−H2O
y3−NH3
y3
y7++−H2O
b5++−H2O
b5
y4−NH3
y10++−H2O
y5
y6++−H2O
b13++−H2O
b18++−H2O
y11
y9

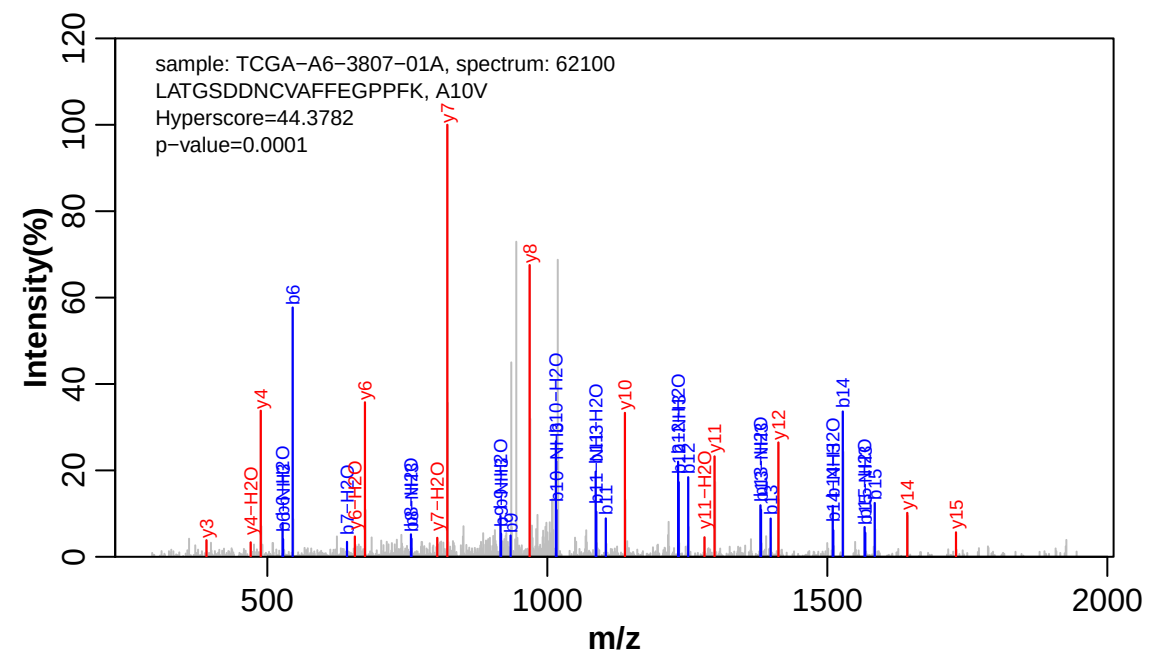

sample: TCGA−A6−3807−01A, spectrum: 5644
GLCVSENELGVGGTSQWK, P2L
Hyperscore=52.0602
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y4
y6
y7
y7−H2O
y9
b10
b11
y11
b12
b12−NH3
y12
b14−H2O
y13
y14
b17

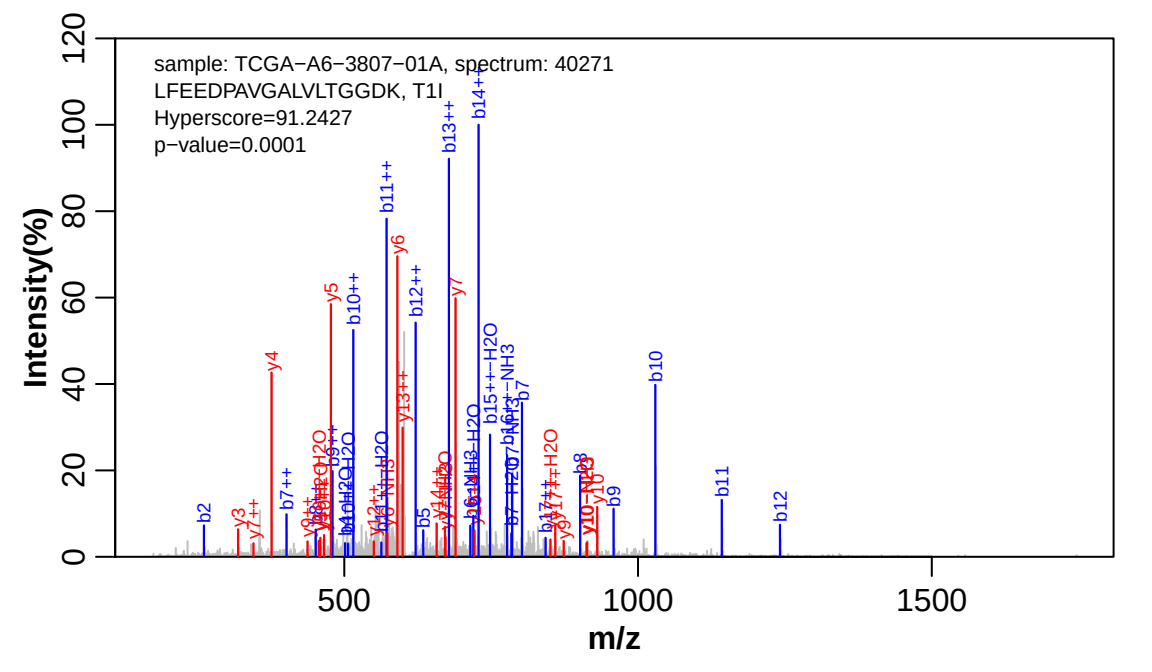

sample: TCGA−A6−3807−01A, spectrum: 50447
GQTGALLQNTVESLSK, D9N
Hyperscore=51.5009
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
b3
y3
b5−H2O
b5
y4
y5−H2O
y5
y6
b9
b11
b14−NH3
b15−NH3
y14
b15

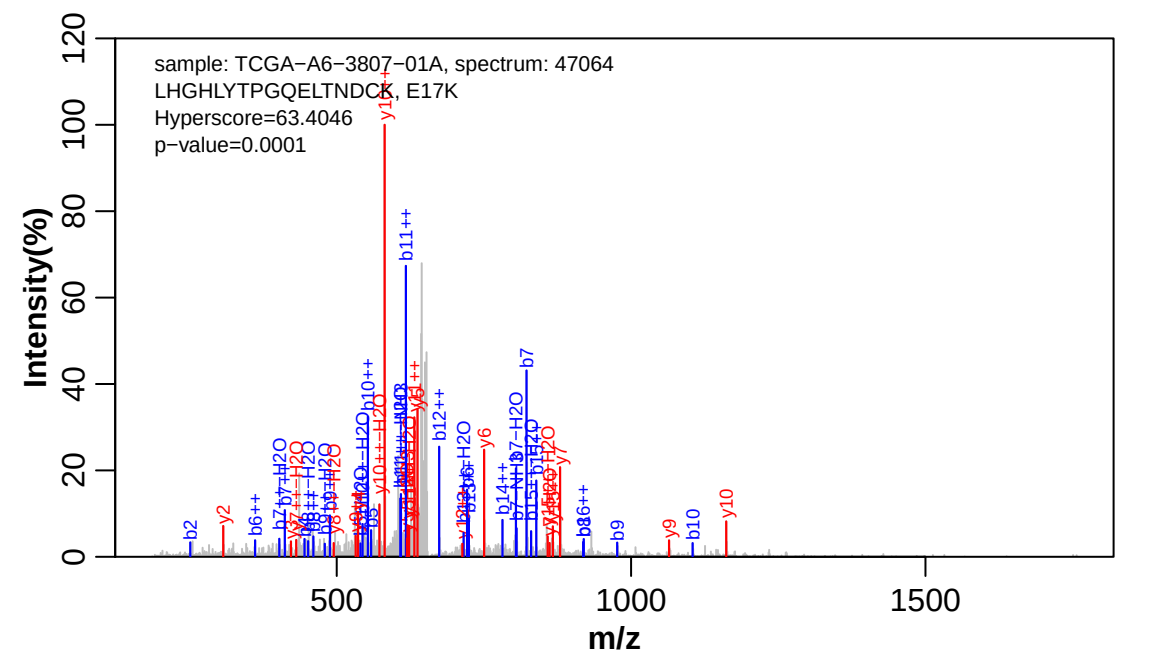

sample: TCGA−A6−3807−01A, spectrum: 27004
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.6479
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y4
b9−H2O
b10−H2O
b10
y8
y7
b11
b8−H2O
b9
y5−NH3
y6−NH3
b10−NH3
b7−H2O
b7
b8
y9
y10
b14

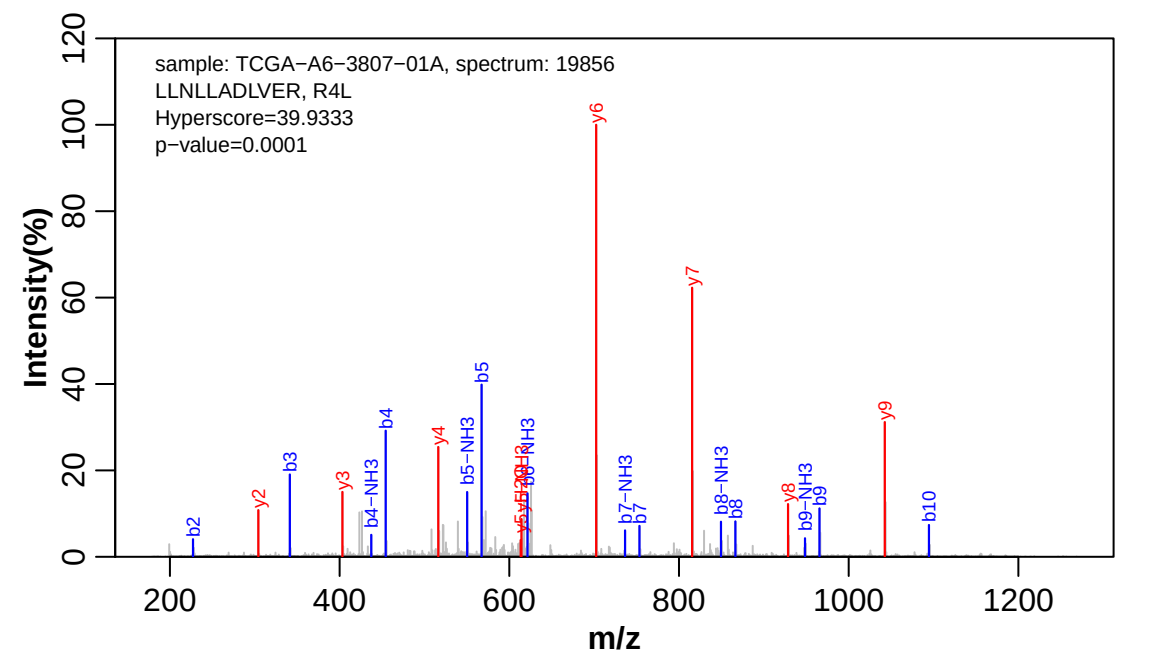

sample: TCGA−A6−3807−01A, spectrum: 66447
KADLLNR, V5I
Hyperscore=15.7305
p−value=0.0088
Intensity(%)
0
20
40
60
80
100
120
m/z
100
200
300
400
500
600
700
800
b1
y1−NH3
y1
b3
y3
y4
y5
y6

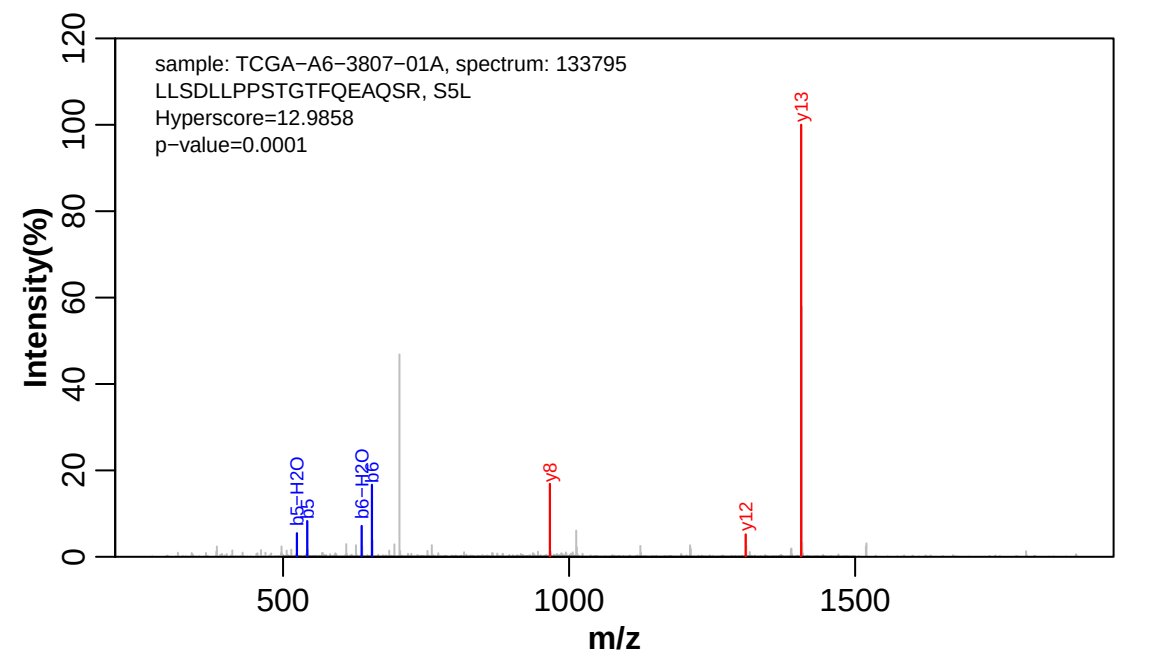

sample: TCGA−A6−3807−01A, spectrum: 112963
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=27.2089
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
b29++
b21++
b11++
b12++
b14++−NH3
y7
y10
b28++
y27++−H2O

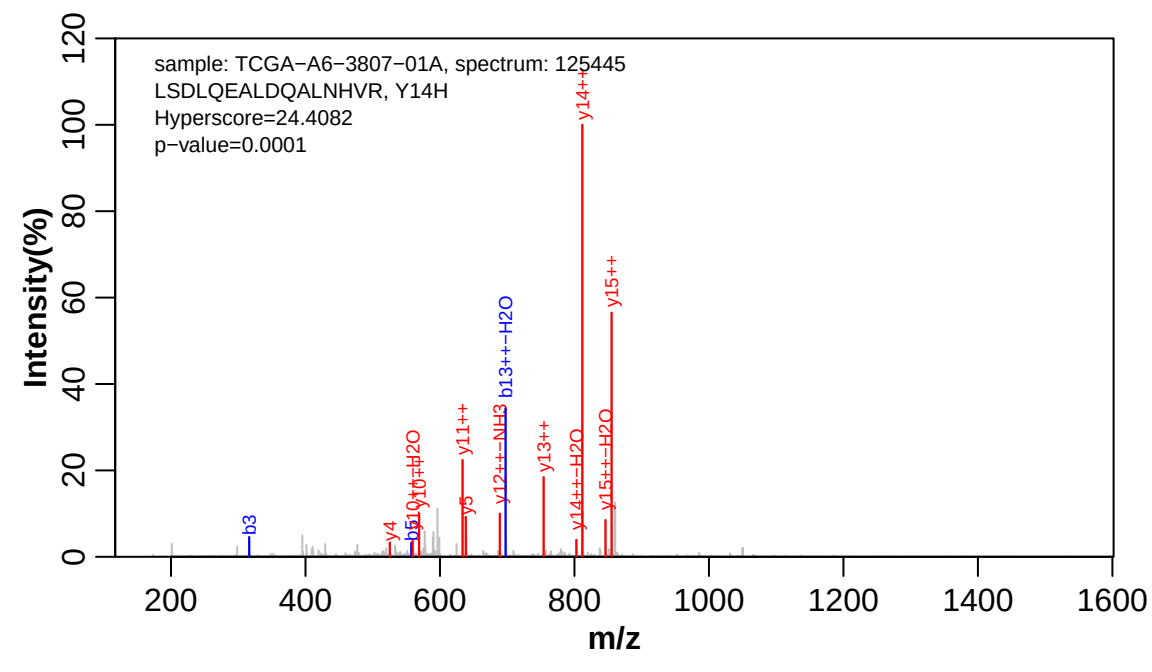

sample: TCGA−A6−3807−01A, spectrum: 62100
LATGSDDNCVAFFEGPPFK, A10V
Hyperscore=44.3782
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y4−H2O
b6
y6
y6−H2O
y7
y7−H2O
y8
b10−H2O
y10
y11
y11−H2O
y12
b14
y14
y15

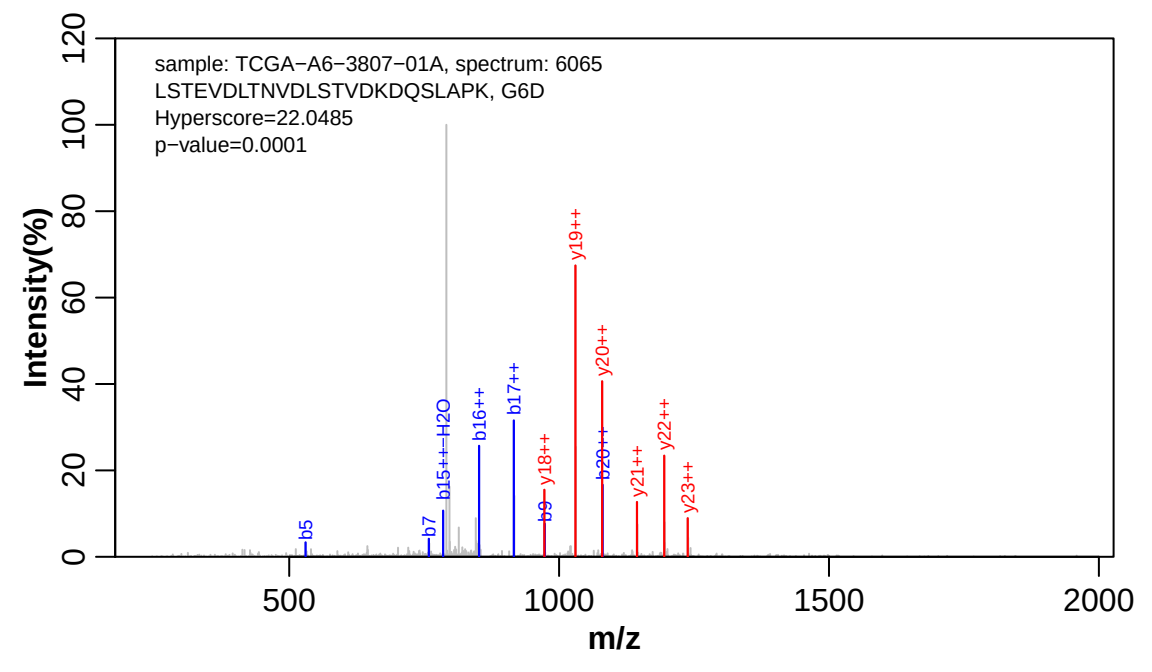

sample: TCGA−A6−3807−01A, spectrum: 40271
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=91.2427
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y7++
y4
b7++
y5
b10++
b11++
y6
b12++
b13++
b14++
y7
y13++
b15++−H2O
b15++−NH3
b7
b10
b11
b12
b9

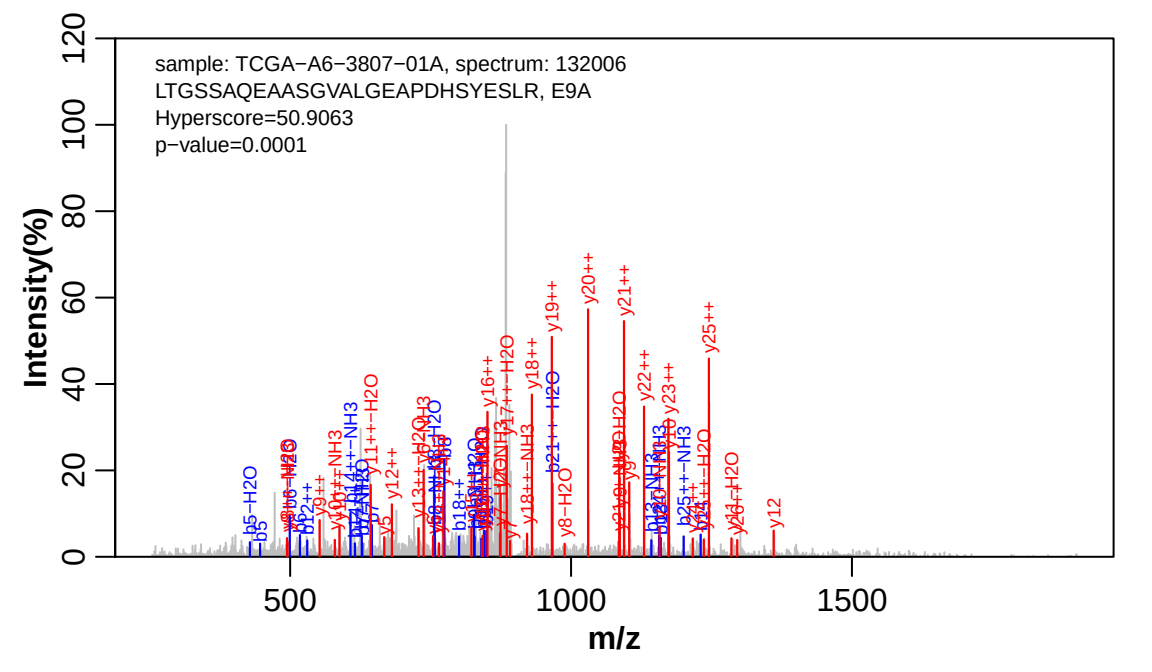

sample: TCGA−A6−3807−01A, spectrum: 47064
LHGHLYTPGQELTNDCK, E17K
Hyperscore=63.4046
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
b6++
b7−H2O
y7−H2O
y8−H2O
b8−H2O
y10++−H2O
b10++
y10++
b11++
b12++
b7
y6
b14++
b16++
b9
y9
b10
y10

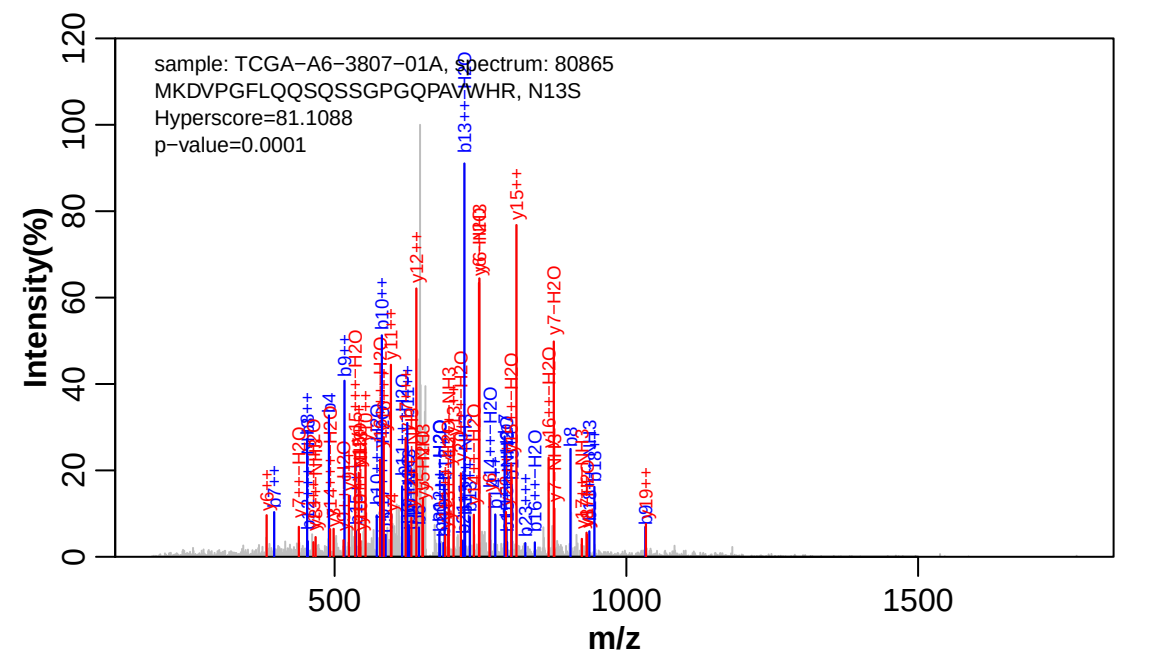

sample: TCGA−A6−3807−01A, spectrum: 19856
LLNLLADLVER, R4L
Hyperscore=39.9333
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y6
b7−NH3
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

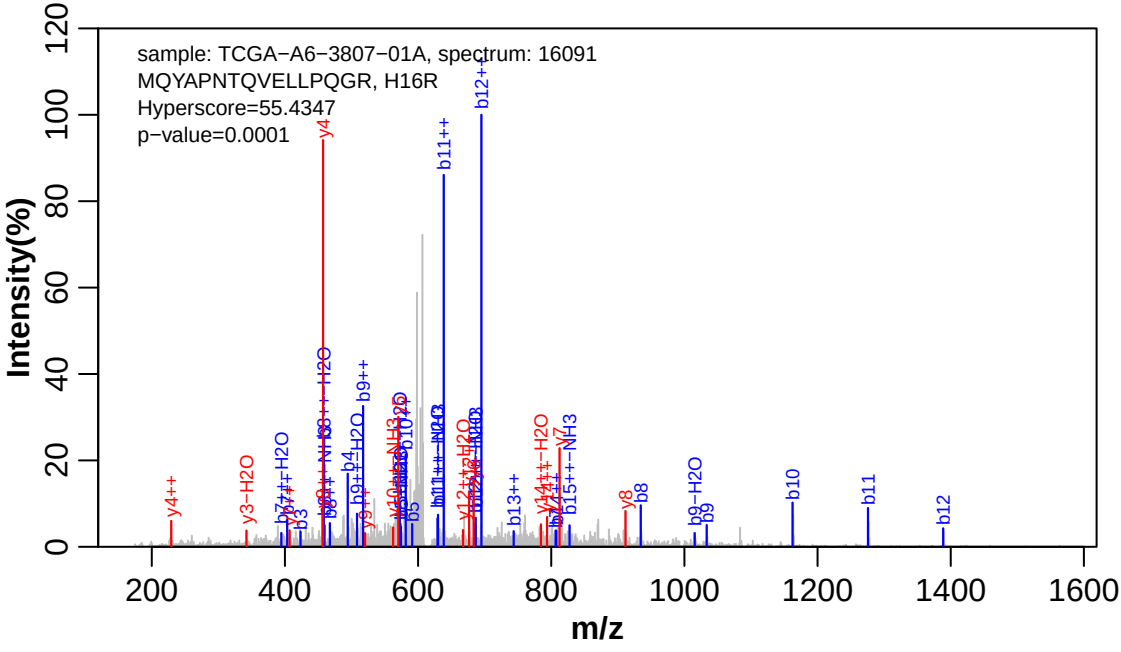

sample: TCGA−A6−3807−01A, spectrum: 133795
LLSDLLPPSTGTFQEAQSR, S5L
Hyperscore=12.9858
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5−H2O
b5
b6−H2O
b6
y8
y12
y13

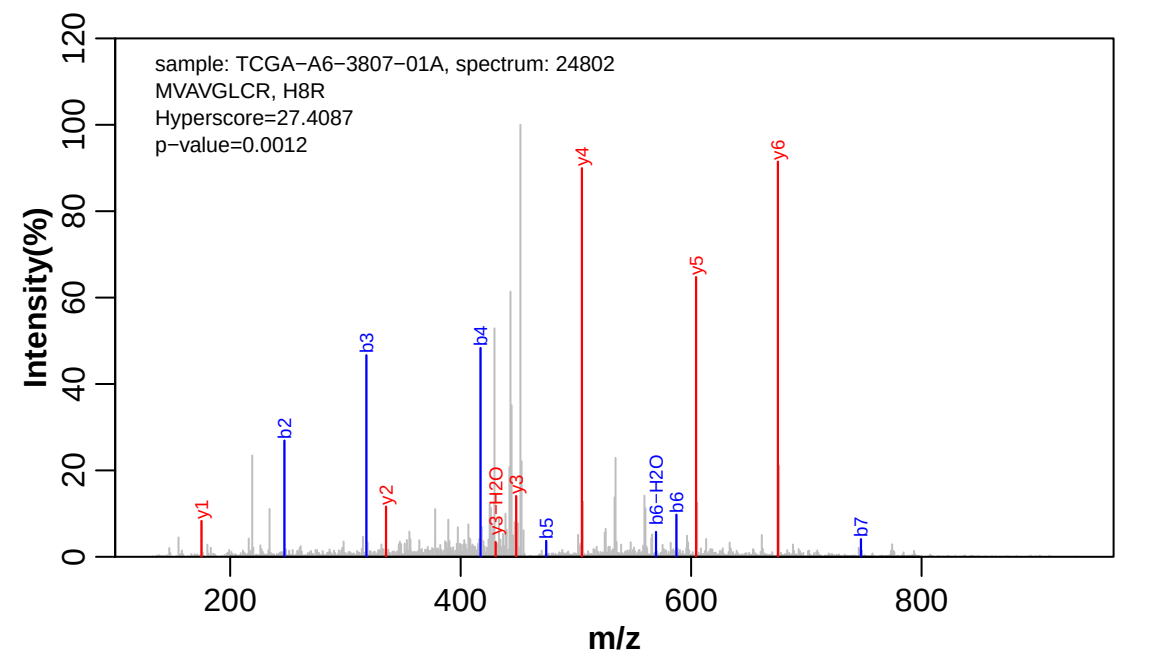

sample: TCGA−A6−3807−01A, spectrum: 125445
LSDLQEALDQALNHVR, Y14H
Hyperscore=24.4082
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y4
b5
y10++H2O
y11++
y5
y12++−NH3
b13++−H2O
y13++
y14++−H2O
y14++
y15++−H2O
y15++

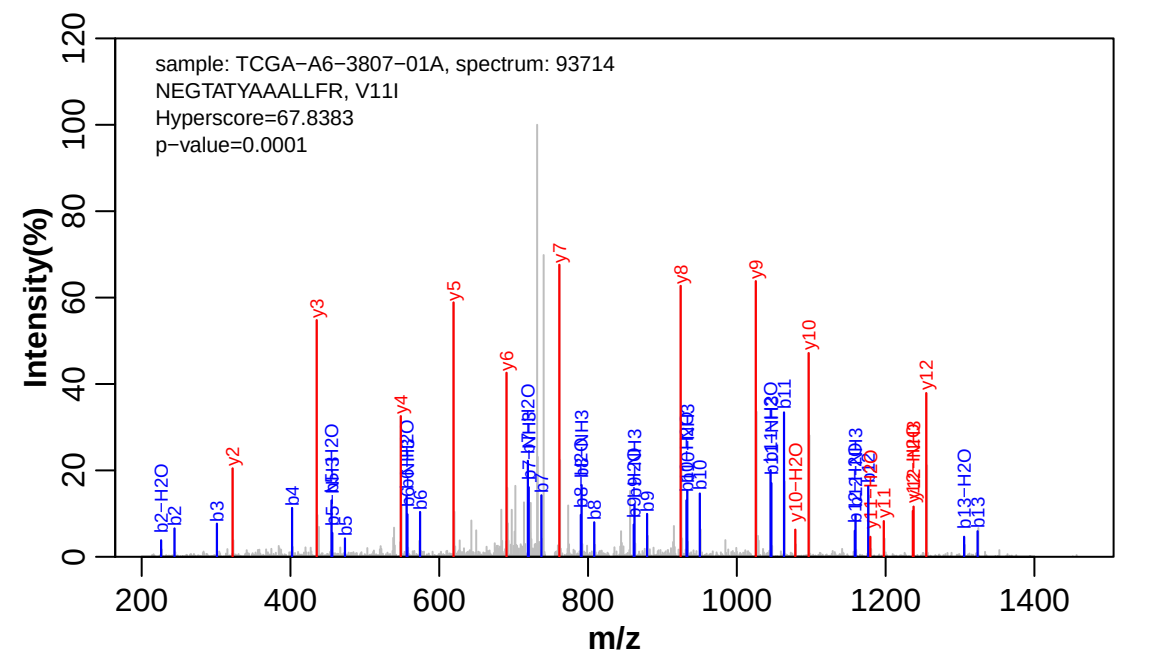

sample: TCGA−A6−3807−01A, spectrum: 6065
LSTEVDLTNVDLSTVDKDQSLAPK, G6D
Hyperscore=22.0485
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
b5
b7
b15++−H2O
b16++
b17++
b9
y18++
y19++
b20++
y20++
y21++
y22++
y23++

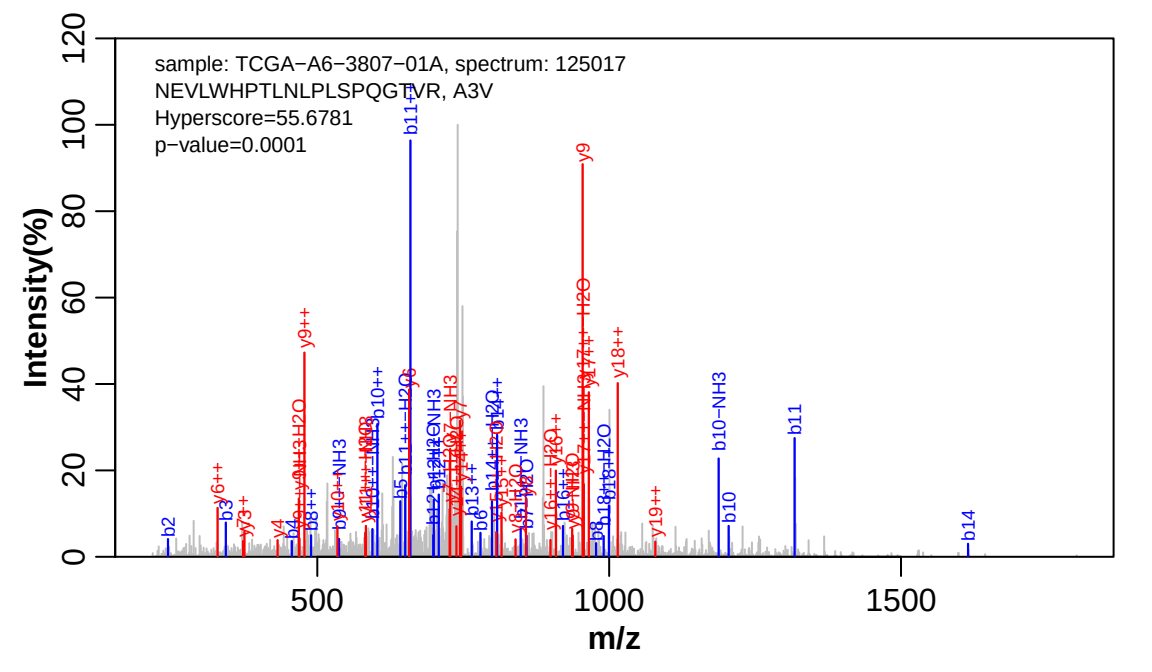

sample: TCGA−A6−3807−01A, spectrum: 132006
LTGSSAQEAASGVALGEAPDHSYESLR, E9A
Hyperscore=50.9063
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5−H2O
b5
y12++
y5
y12++
y8−H2O
y20++
y21++
y22++
y23++
y25++
y12

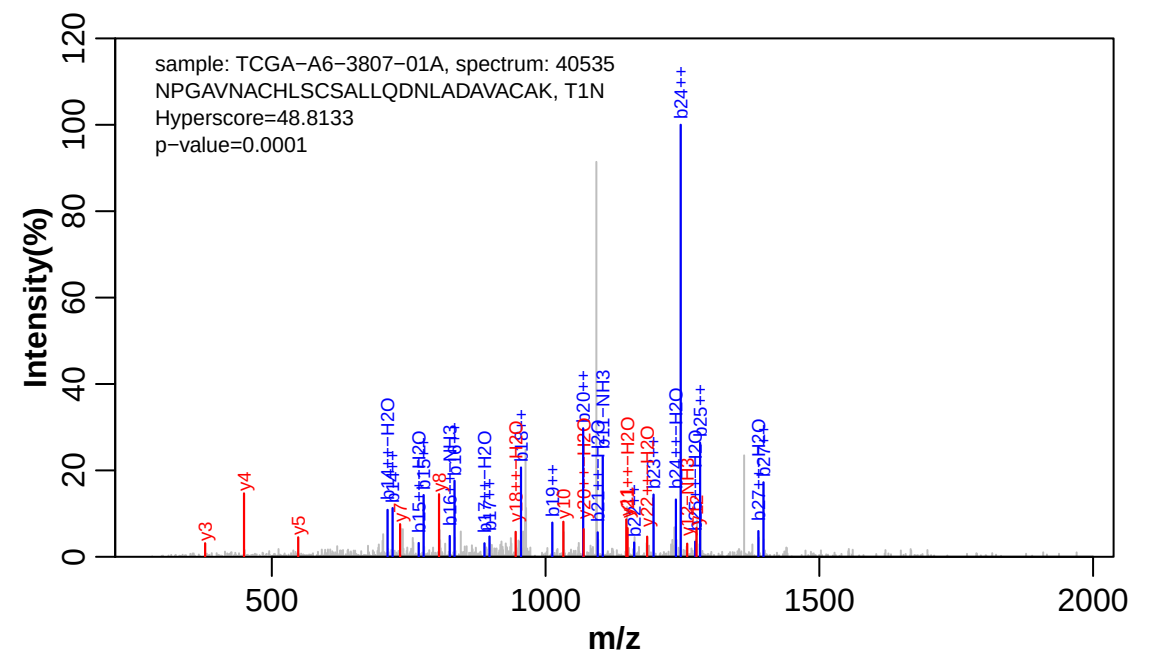

sample: TCGA−A6−3807−01A, spectrum: 80865
MKDVPGFLQQSQSSGPGQPAVTWHR, N13S
Hyperscore=81.1088
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

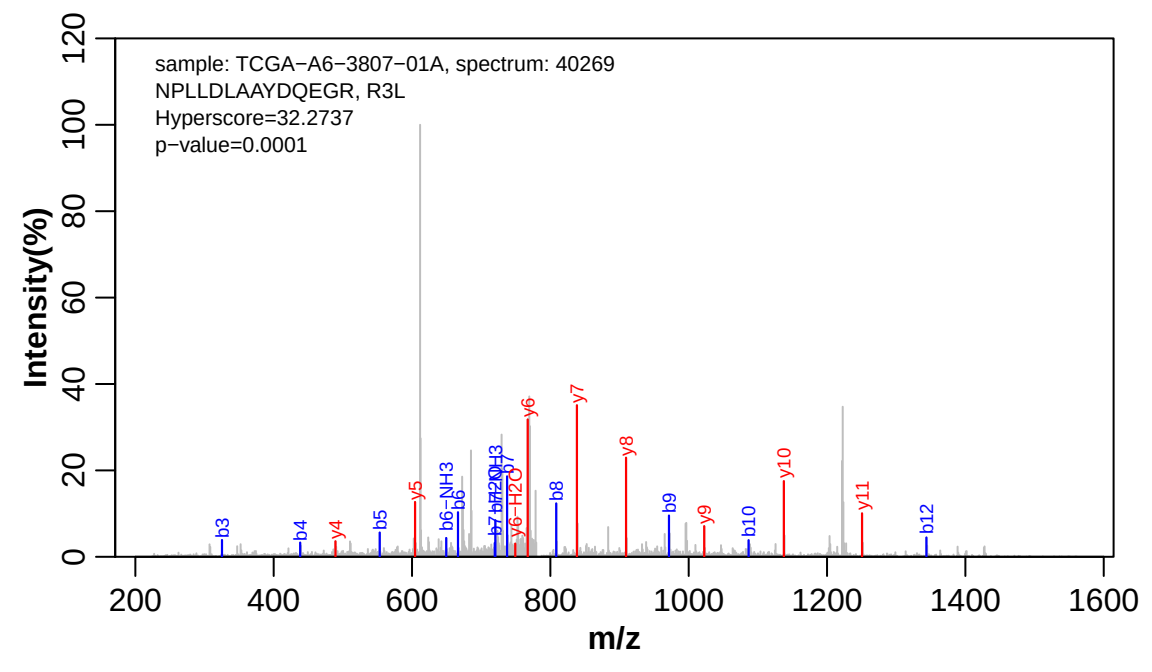

sample: TCGA−A6−3807−01A, spectrum: 16091
MQYAPNTQVELLPQGR, H16R
Hyperscore=55.4347
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4++
y3−H2O
b7++−H2O
b3
y4
b8++−NH3
b8++−H2O
b4
b9++−H2O
b9++
y9++
b5
b11++
b12++
b13++
y14++−H2O
y7
b15++−NH3
y8
b8
b8−H2O
b9
b10
b11
b12

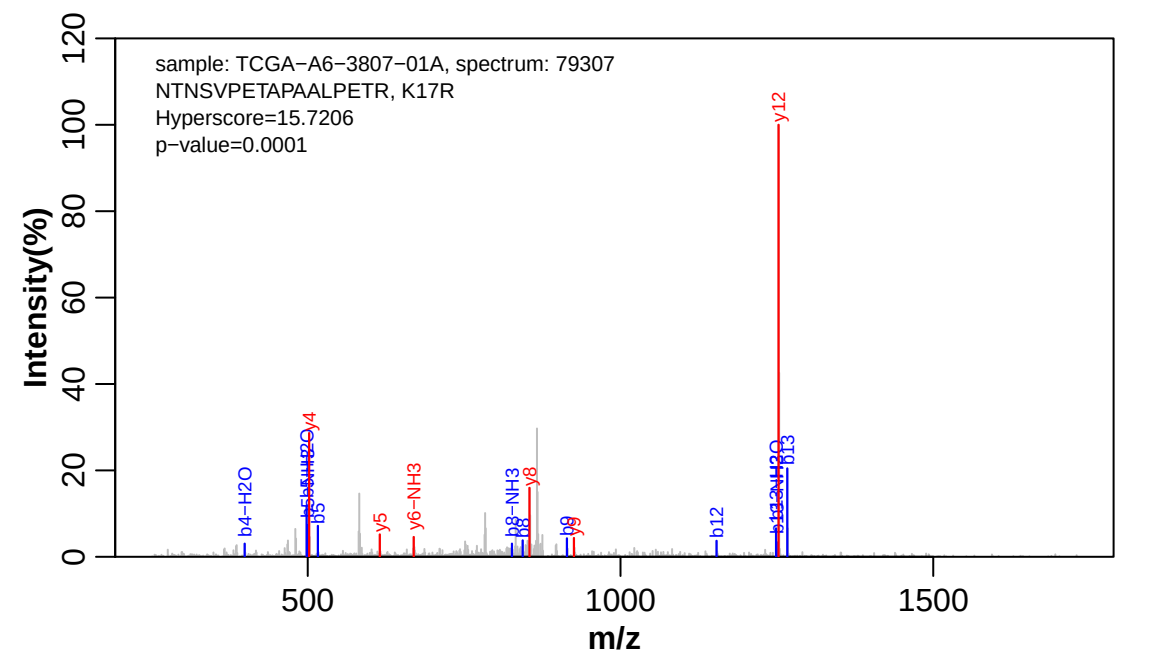

sample: TCGA−A6−3807−01A, spectrum: 24802
MVAVGLCR, H8R
Hyperscore=27.4087
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y2
b4
y3−H2O
y3
b5
y4
b6−H2O
b6
y5
y6
b7

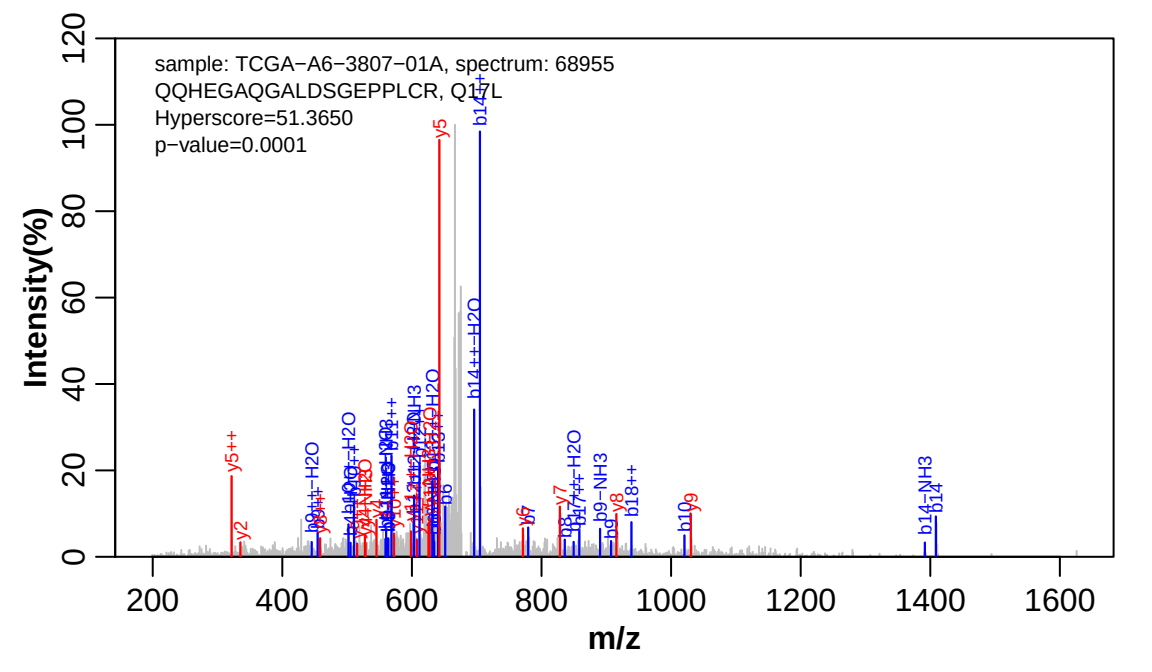

sample: TCGA−A6−3807−01A, spectrum: 93714
NEGTATYAAALLFR, V11I
Hyperscore=67.8383
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
y4
y5
y6
y7
y8
y9
y10
y12
b2−H2O
b2
b3
b4
b5
b6
b8
b9
b10
b11
b13−H2O
b13

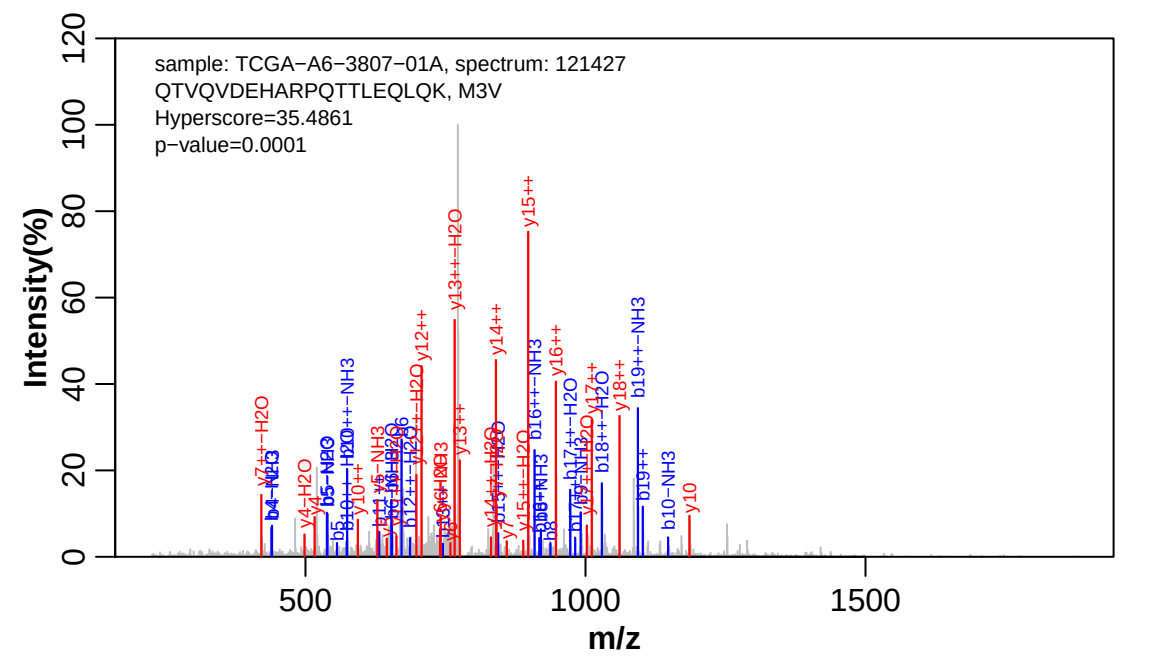

sample: TCGA−A6−3807−01A, spectrum: 125017
NEVLWHPTLNLPLSPQGTVR, A3V
Hyperscore=55.6781
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y6++
b3
y3+
y4
b4
y8−NH3−H2O
y9++
b8++
b10+−NH3
b10++
b11++
b5
b11+−H2O
b11+
b12
b13++
b8
b14++−H2O
y8
b13+
y7
y16++−H2O
y16++
y18+−H2O
b8
b18+−H2O
y18++
y19++
b10−NH3
b10
b11
b14

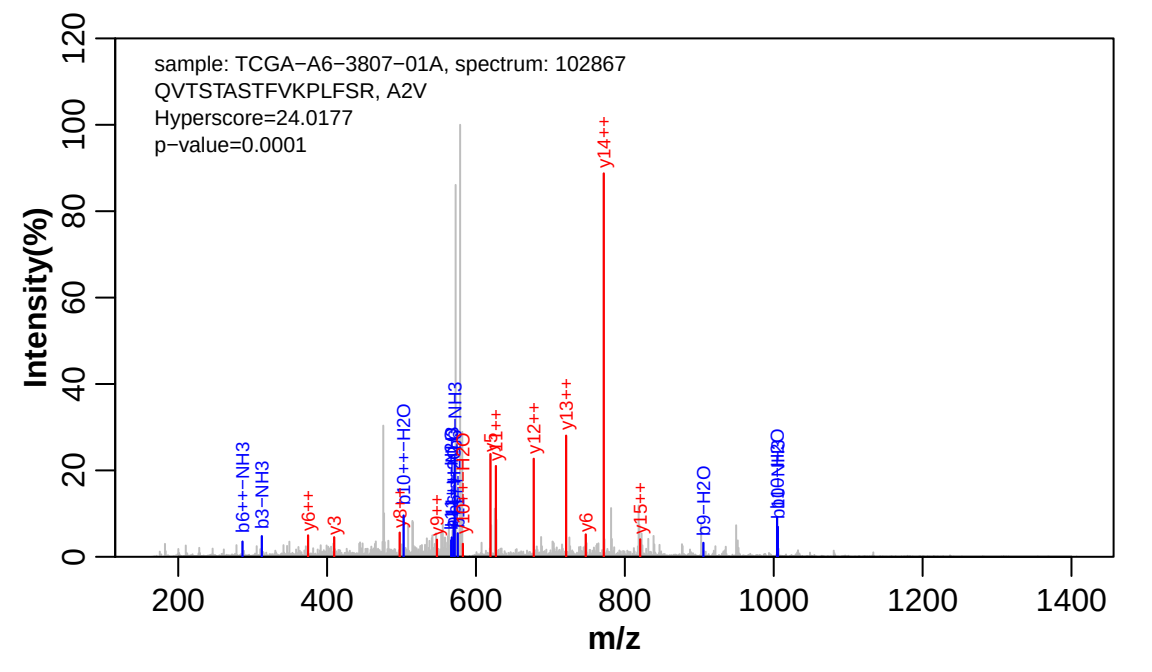

sample: TCGA−A6−3807−01A, spectrum: 40535
NPGAVNACHLSCSALLQDNLADAVACAK, T1N
Hyperscore=48.8133
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y5
b14++−H2O
y7
b15++
b15++−H2O
y8
b16++
b16++−NH3
b17++
b17++−H2O
y18++
b18++−H2O
b19++
y10
b20++
b20++−H2O
b20++−NH3
b21++
b21++−H2O
b22++
b22++−H2O
y22
b23++H2O
b24++
b24++−H2O
b24++
b25++
b27++
b27++H2O

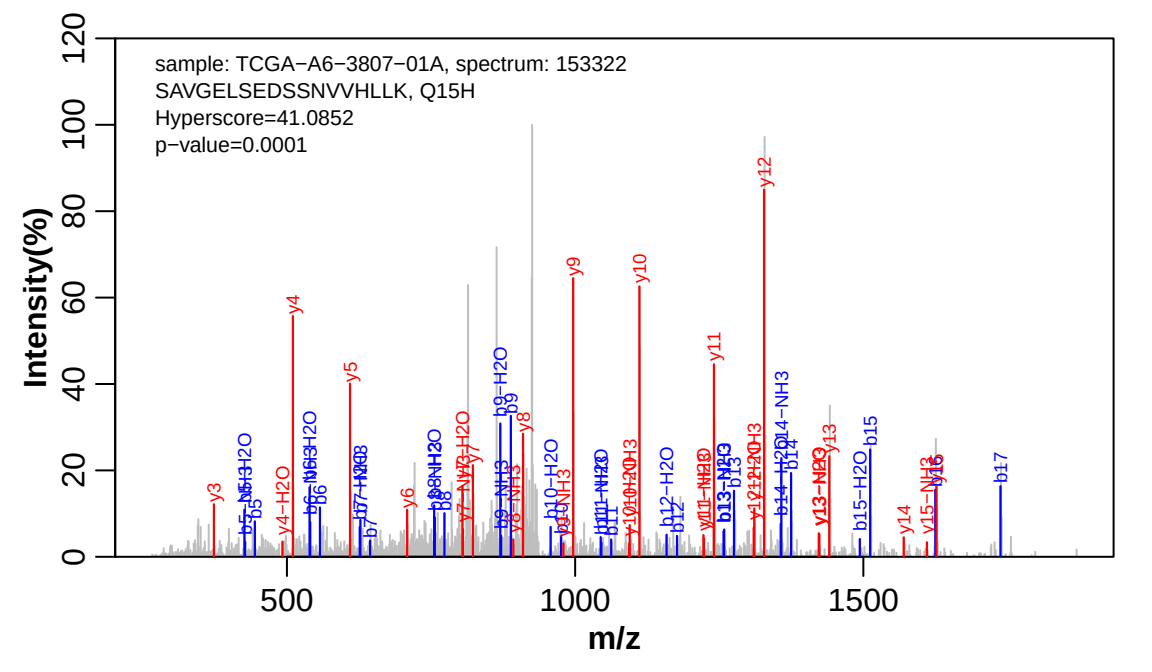

sample: TCGA−A6−3807−01A, spectrum: 40269
NPLLDLAAYDQEGR, R3L
Hyperscore=32.2737
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b4
y4
b5
y5
b6−NH3
b6
y6−H2O
y6
b8
y7
y8
b9
y9
b10
y10
y11
b12

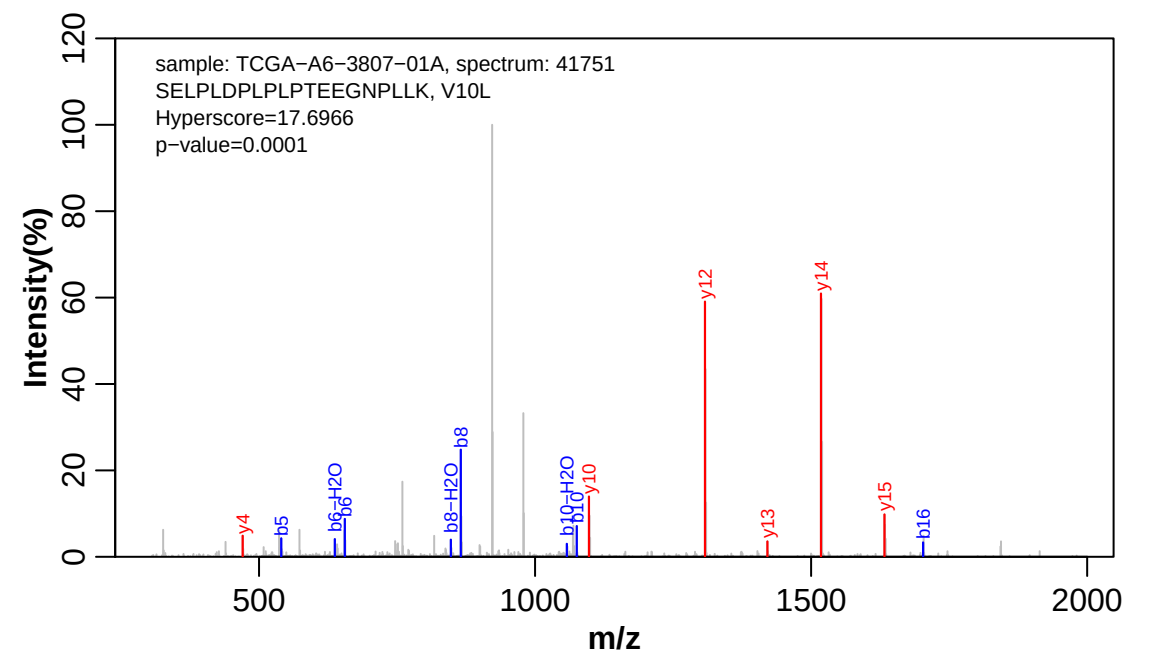

sample: TCGA−A6−3807−01A, spectrum: 79307
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7206
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
b5
y4
y5
y6−NH3
b8−NH3
b8
y8
y9
b12
y12
b13

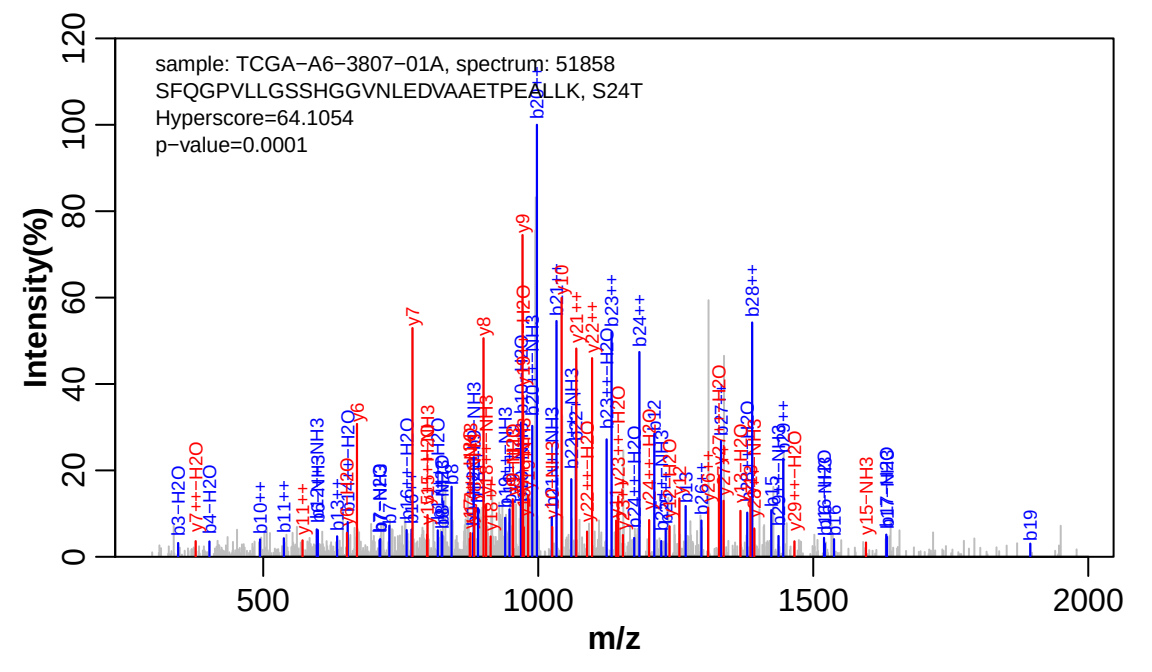

sample: TCGA−A6−3807−01A, spectrum: 68955
QQHEGAQGALDSGEPPLCR, Q1=L
Hyperscore=51.3650
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
b14++
y5++
y2
b14++−H2O
b14−NH3
b14
y6
y7
y8
b18++
b19
y9
b9−NH3
b9++
b10++
b6

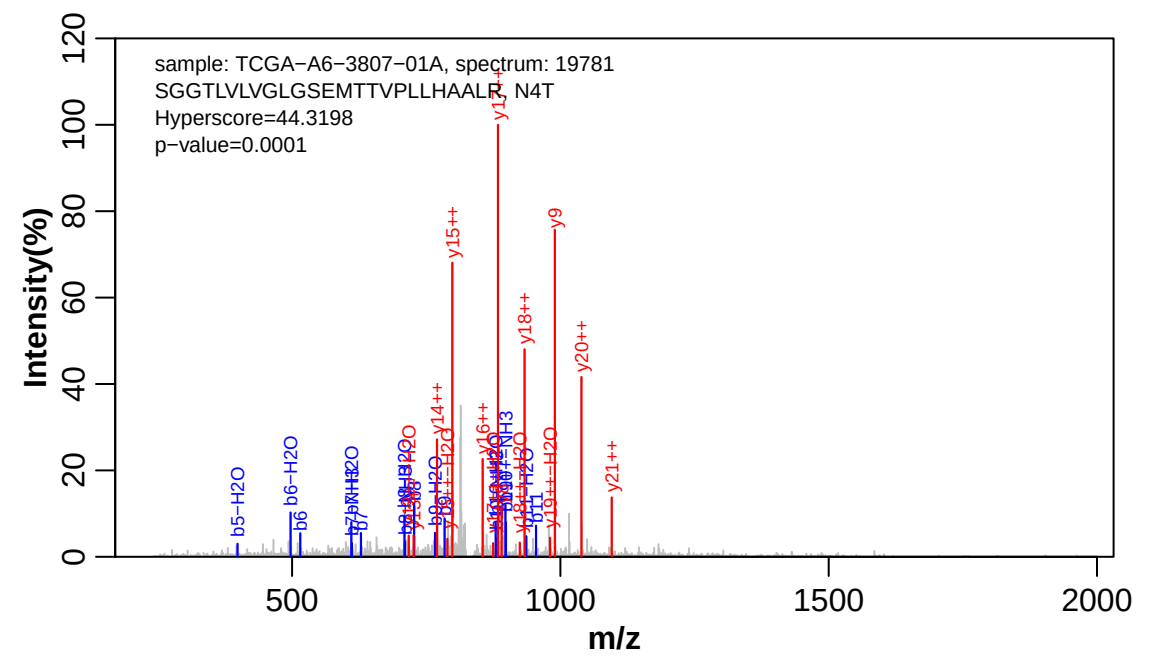

sample: TCGA−A6−3807−01A, spectrum: 121427
QTVQVDEHARPQTTLEQLQK, M3V
Hyperscore=35.4861
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y15++
y13++−H2O
y14++
y12++
y16++
b19++−NH3
y18++
b16++−NH3
y13++
b18++−H2O
y10
b10−NH3
b19++
y4−H2O
y10++
b5−NH3
y15++−H2O
b17++−H2O
b15++−H2O
b12++−H2O
y7++−H2O
b4−H2O
b5−H2O
b10++−H2O
b10++−NH3
y14++−H2O
y15++−NH3
b17++−NH3
y17++−H2O
b19++−H2O

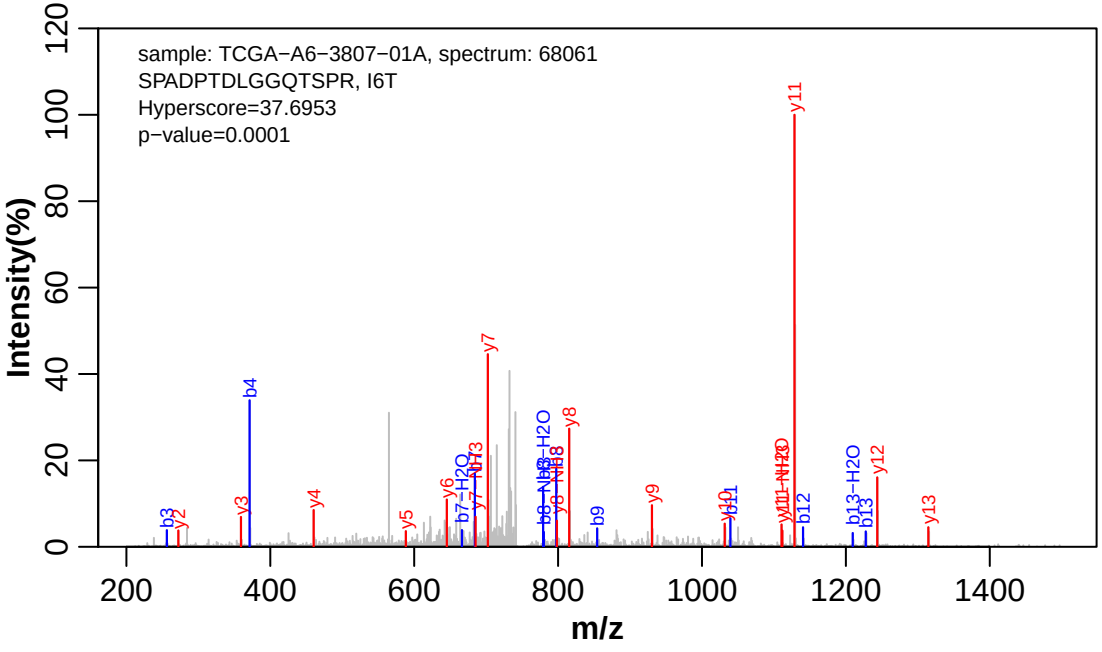

sample: TCGA−A6−3807−01A, spectrum: 102867
QVTSTASTFVKPLFSR, A2V
Hyperscore=24.0177
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b6++−NH3
b3−NH3
y6++
y3
b10++−H2O
y14++
y13++
y12++
y15++
b9−H2O

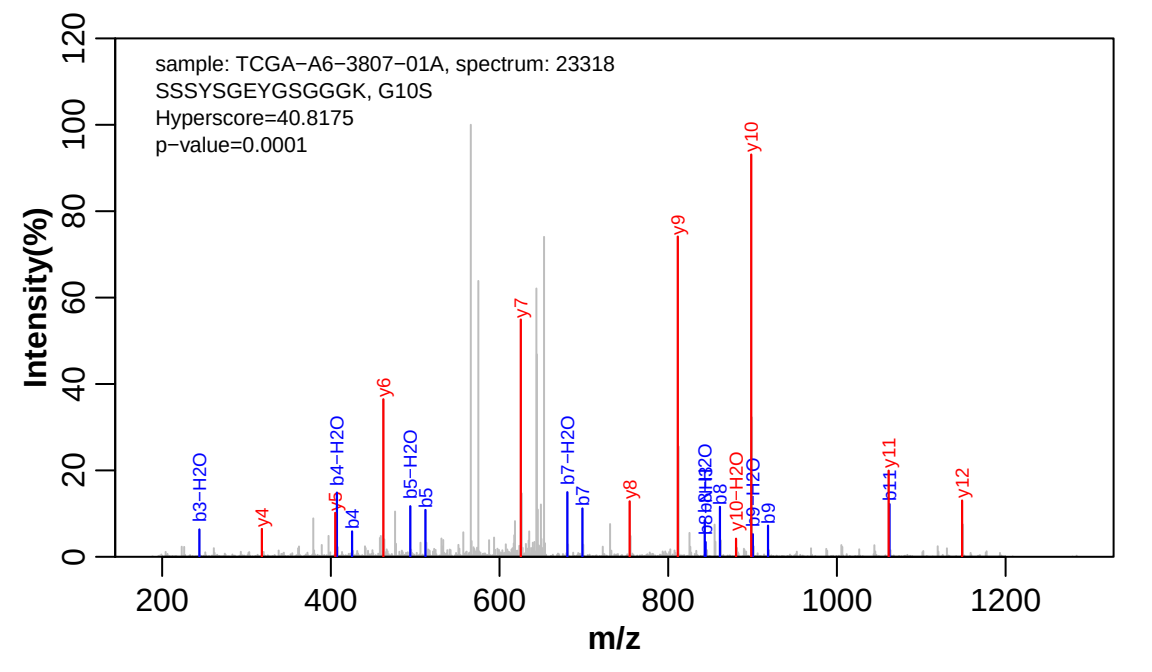

sample: TCGA−A6−3807−01A, spectrum: 153322
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=41.0852
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y4−H2O
y5
y6
y7
y7−NH3
y8
y9
y10
y11
y12
y13
y14
y15
b5
b6
b7
b8
b9
b9−H2O
b9−NH3
b10−H2O
b12
b12−H2O
b13
b13−NH3
b14
b14−NH3
b15
b15−H2O
b17

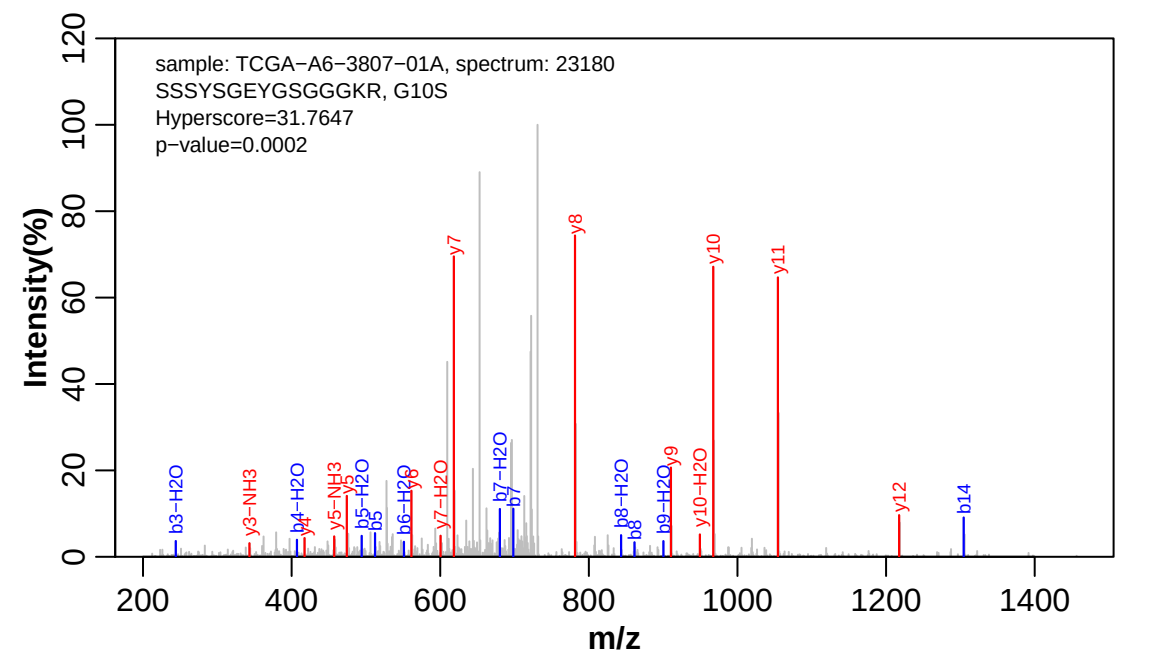

sample: TCGA−A6−3807−01A, spectrum: 41751
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=17.6966
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
y4
b5
b6−H2O
b6
b8
b8−H2O
b10−H2O
b10
y10
y12
y13
y14
y15
b16

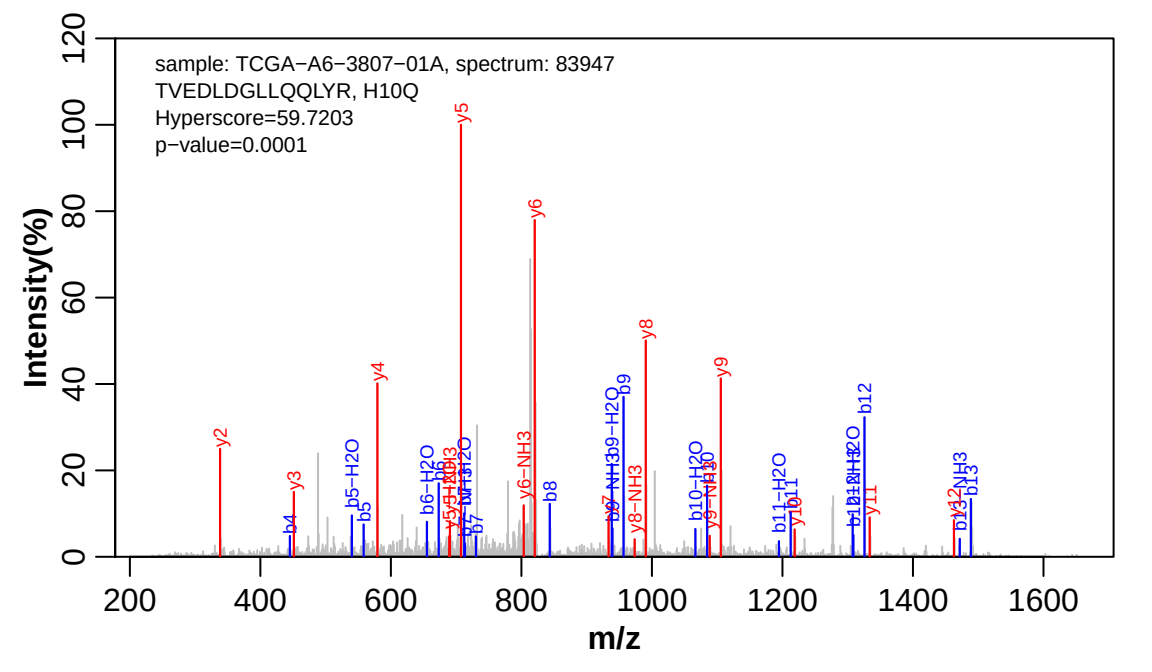

sample: TCGA−A6−3807−01A, spectrum: 51858
SFQGPVLLGSSHGGVNLEDVAAETPEALLK, S24T
Hyperscore=64.1054
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
y7++−H2O
b4−H2O
b10++
b11++
y11++
b13++
y6
y7
y8
y9
b21++
b23++
b24++
b28++
b19
y15−NH3
y29++−H2O

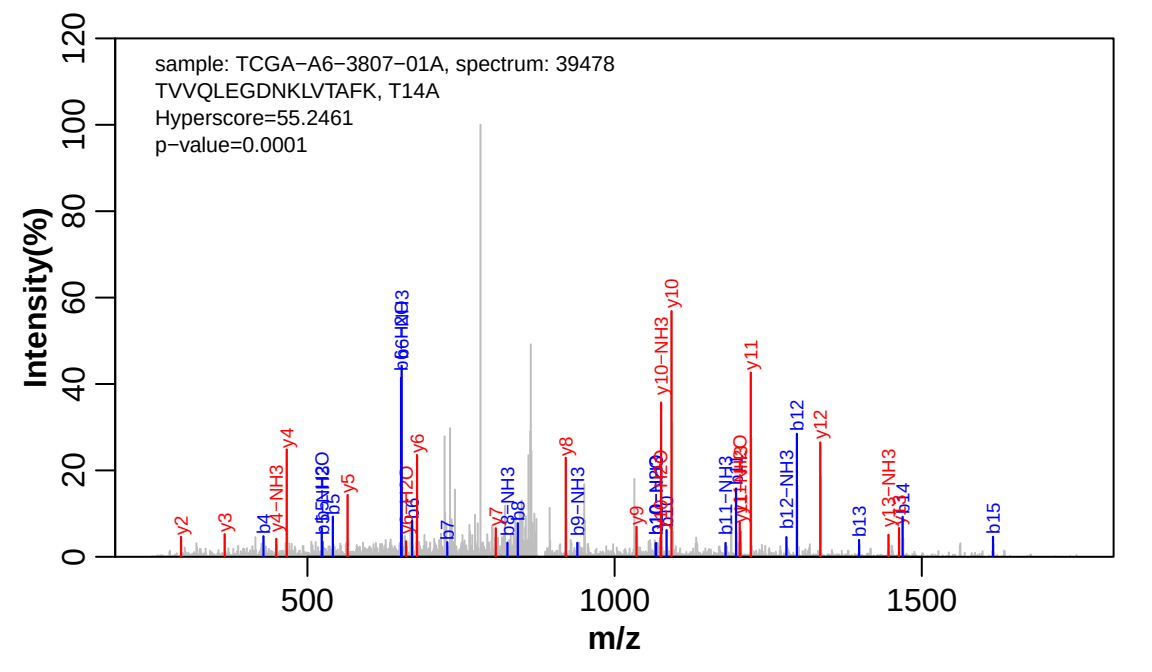

sample: TCGA−A6−3807−01A, spectrum: 19781
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=44.3198
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y17++
y15++
y9
y18++
y20++
y14++
y16++
y21++
b5−H2O
b6−H2O
b6

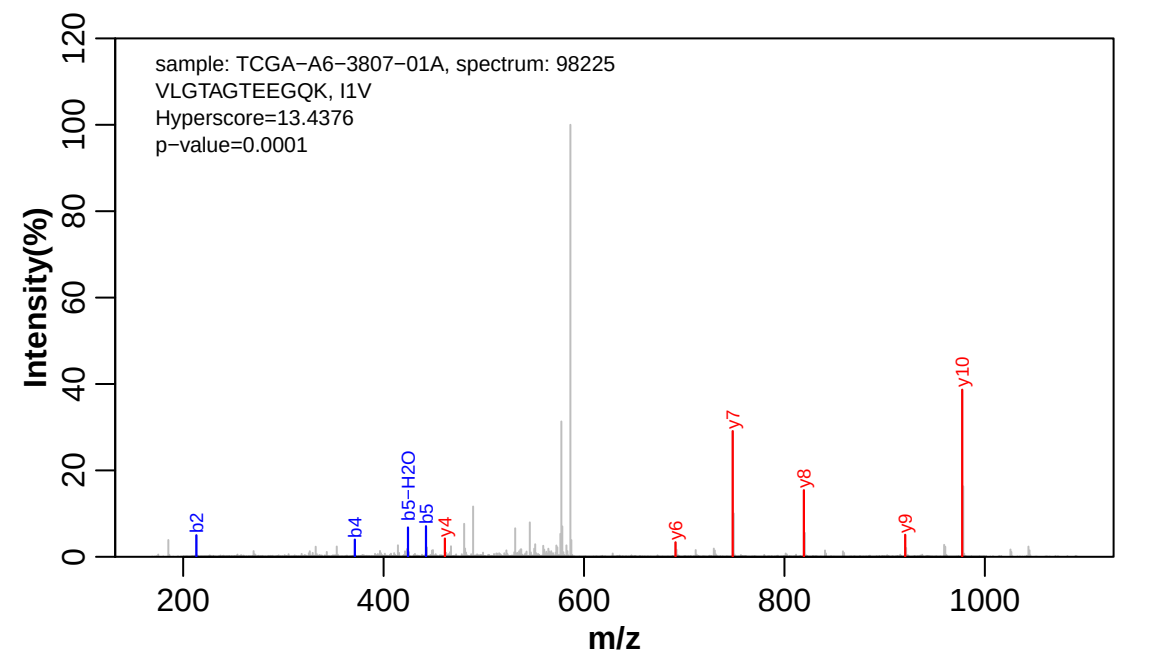

sample: TCGA−A6−3807−01A, spectrum: 68061
SPADPTDLGGQTSPR, I6T
Hyperscore=37.6953
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
y5
y6
b7−H2O
y7−NH3
y7
b8−NH3
b8−H2O
y8−NH3
y8
b9
y9
y10
b11
y11−NH3
y11−H2O
y11
b12
b13−H2O
b13
y12
y13

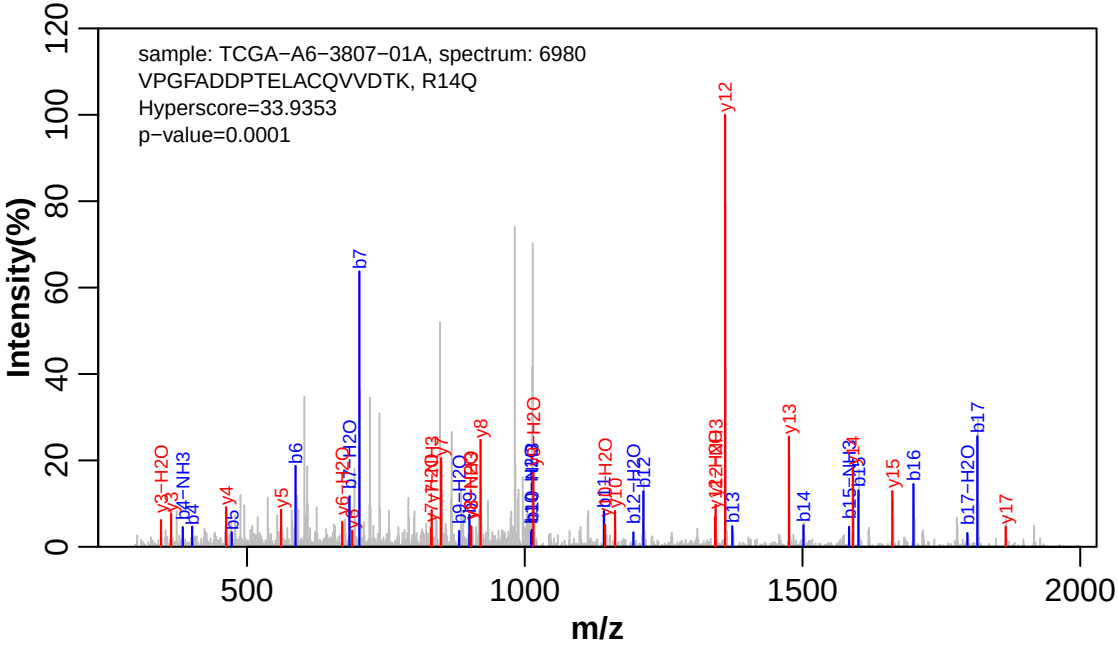

sample: TCGA−A6−3807−01A, spectrum: 23318
SSSYSGEYGSGGGK, G10S
Hyperscore=40.8175
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
y5
b4−H2O
b4
y6
b5−H2O
b5
y7
b7−H2O
b7
y8
y9
b8
y10−H2O
y10
b9−H2O
b9
b11
y11
y12

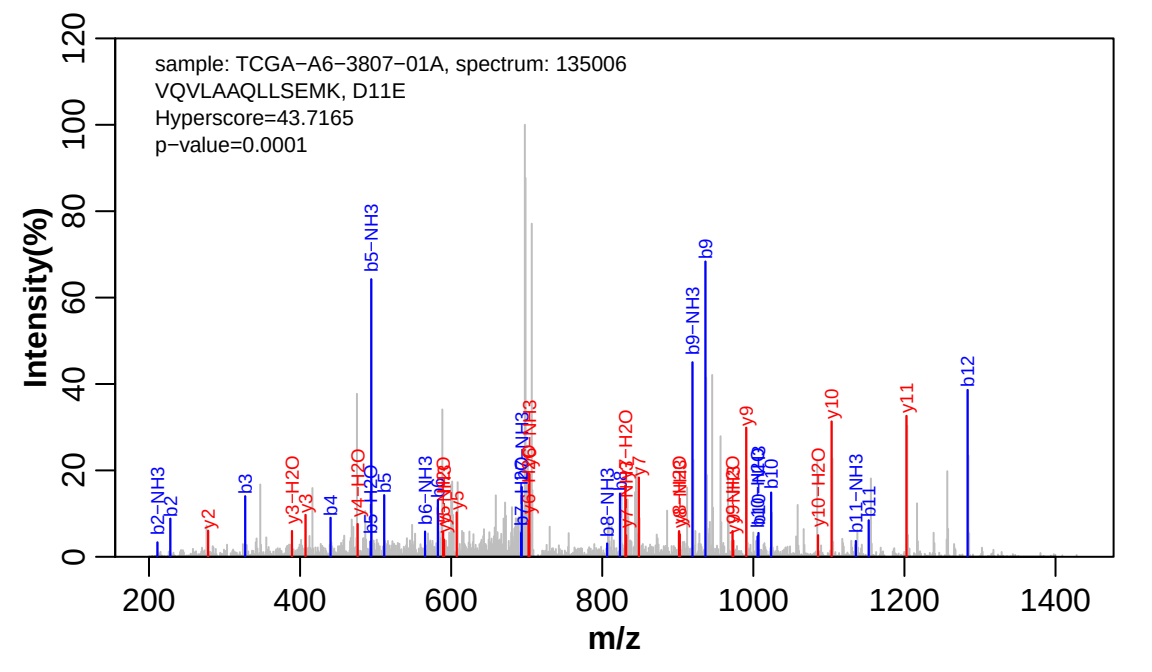

sample: TCGA−A6−3807−01A, spectrum: 23180
SSSYSGEYGSGGGKR, G10S
Hyperscore=31.7647
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
y3−NH3
b4−H2O
y4
y5−NH3
y5
b5−H2O
b5
b6−H2O
y6
y7−H2O
y7
b7−H2O
b7
y8
b8−H2O
b8
b9−H2O
y9
y10−H2O
y10
y11
y12
b14

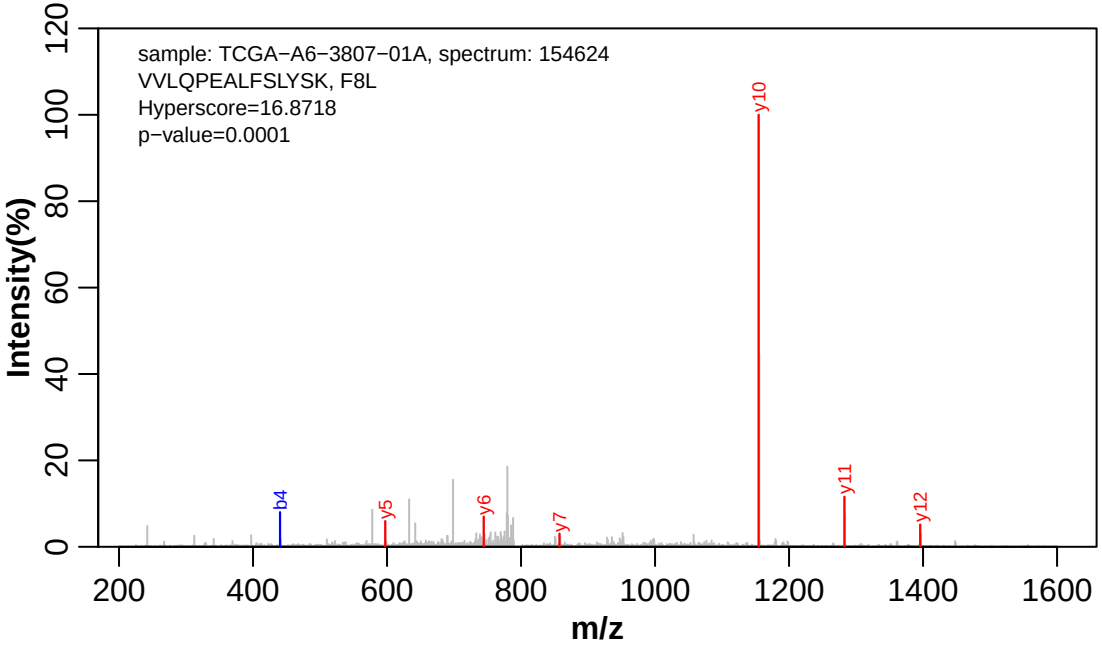

sample: TCGA−A6−3807−01A, spectrum: 83947
TVEDLDGLLQQLYR, H10Q
Hyperscore=59.7203
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4
y5
y6
y8
y9
b4
b5
b5−H2O
b6−H2O
b8
y6−NH3
b9
b9−H2O
y8−NH3
b10−H2O
b11−H2O
b12
y11
b13

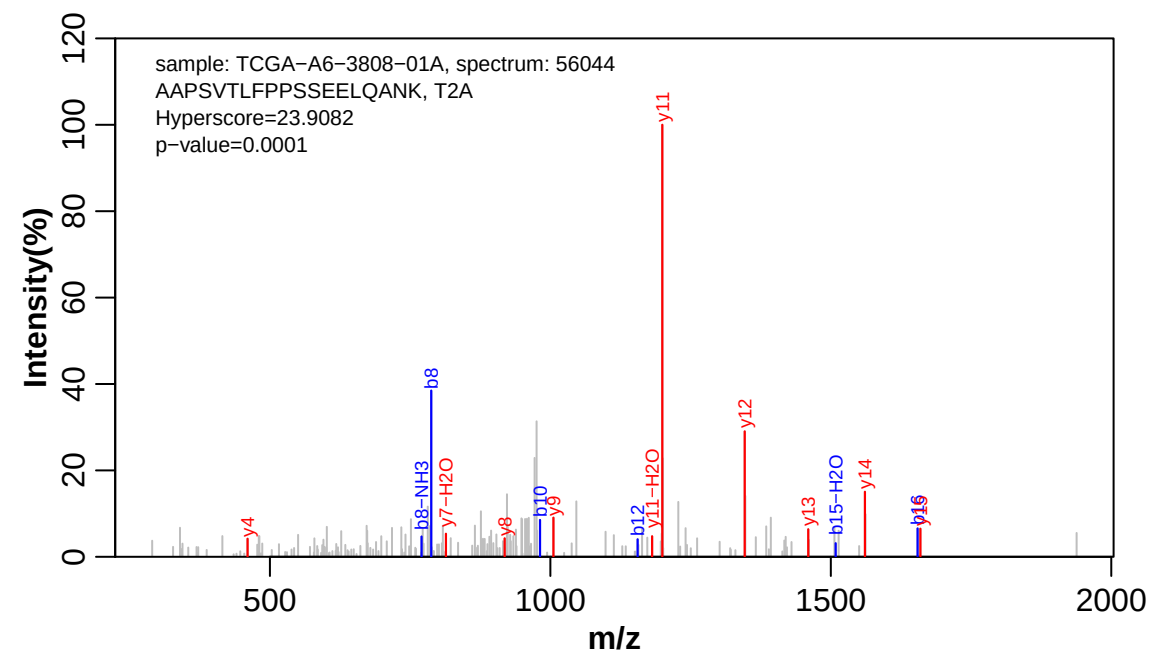

sample: TCGA−A6−3807−01A, spectrum: 39478
TVVQLEGDNKLVTAFK, T14A
Hyperscore=55.2461
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
b4
y4−NH3
y4
b5
y5
y6
b7
b8−NH3
b8
y7
y8
b9−NH3
y9
y10−NH3
y10
b11−NH3
y11
b12−NH3
b12
y12
b13
y13−NH3
b14
b15

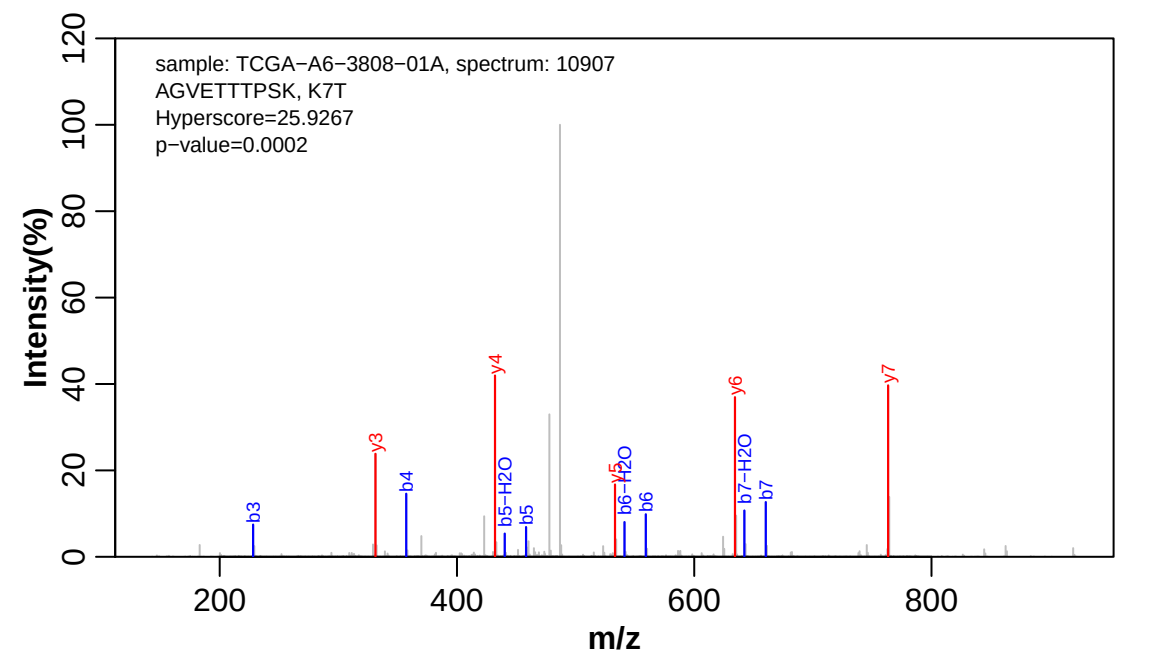

sample: TCGA−A6−3807−01A, spectrum: 98225
VLGTAGTEEGQK, I1V
Hyperscore=13.4376
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b4
b5−H2O
b5
y4
y6
y7
y8
y9
y10

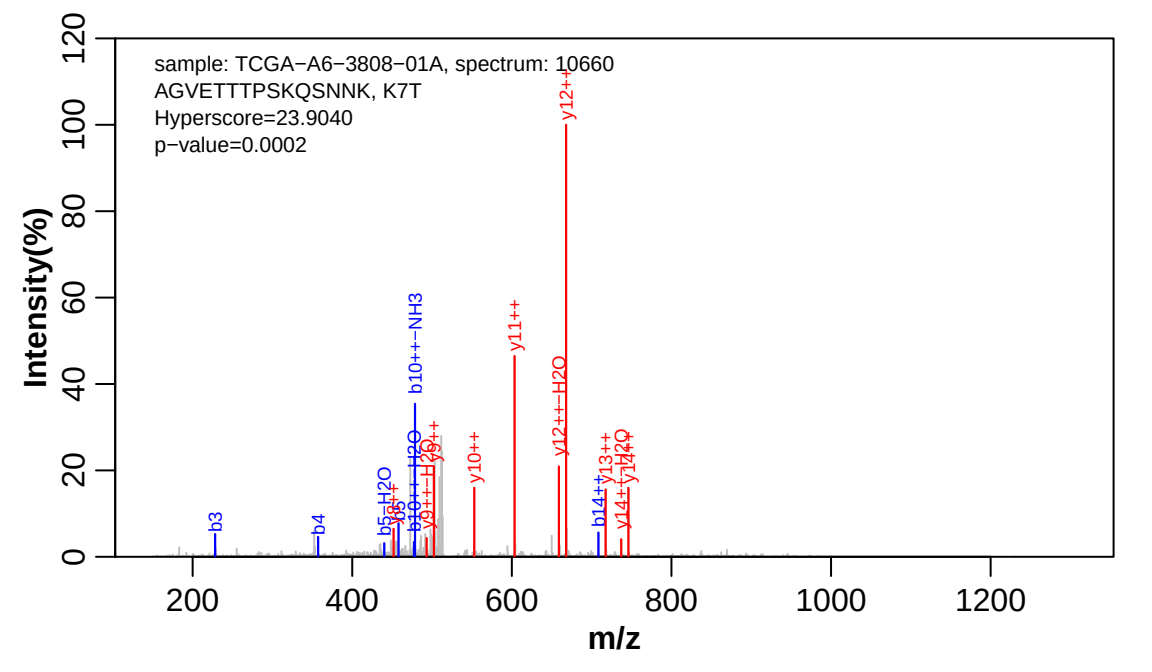

sample: TCGA−A6−3807−01A, spectrum: 6980
VPGFADDPTELACQVVDTK, R14Q
Hyperscore=33.9353
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
b7
y13
b17
y15
b16
y17
b14
b13
y8
y5
b6
y4
b5
b4
y3
b17−H2O
b15−NH3
b12−H2O
b10−H2O
b10−NH3
b9−H2O
b9−NH3
b8−H2O
b7−H2O
b6−H2O
y12−H2O
y12−NH3
y11−H2O
y10
y7−H2O
y7−NH3
y6−H2O
y3−H2O
b4−NH3

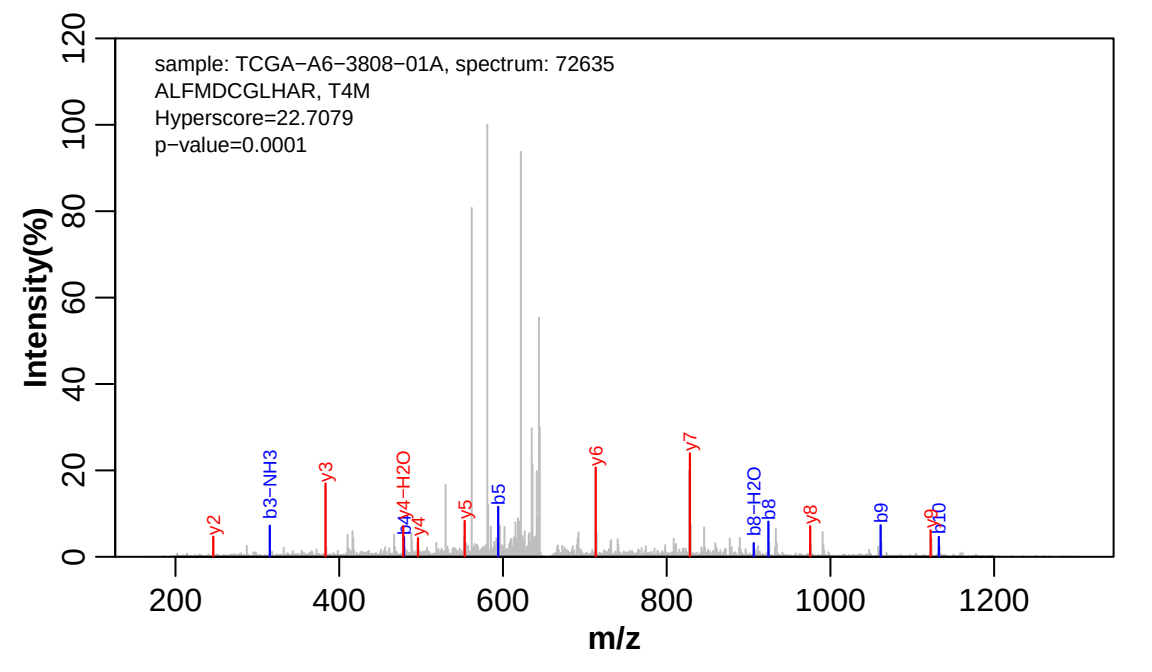

sample: TCGA−A6−3807−01A, spectrum: 135006
VQVLAAQLLSEMK, D11E
Hyperscore=43.7165
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−NH3
b2
y2
b3
y3−H2O
y3
b4
y4−H2O
b5
b5−NH3
b6−NH3
y5
b8−NH3
y7−H2O
y7
b9
b9−NH3
y9
y10−H2O
y10
b10
b11−NH3
b11
y11
b12

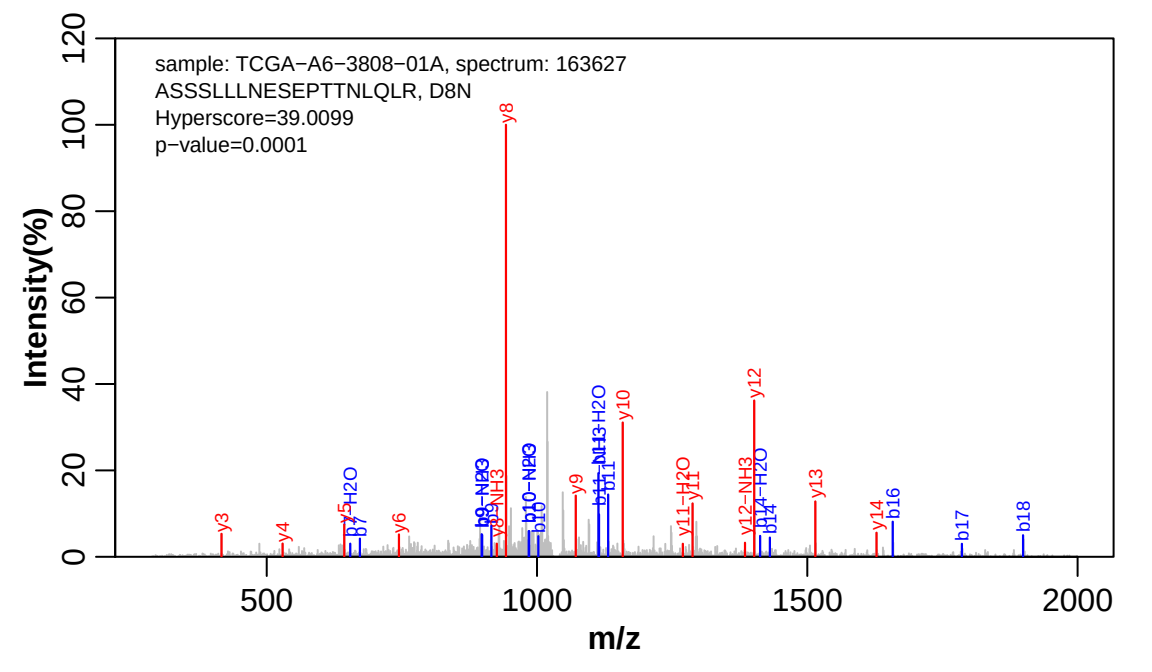

sample: TCGA−A6−3807−01A, spectrum: 154624
VVLQPEALFSLYSK, F8L
Hyperscore=16.8718
p−value=0.0001
Intensity(%)
m/z
b4
y5
y6
y7
y10
y11
y12

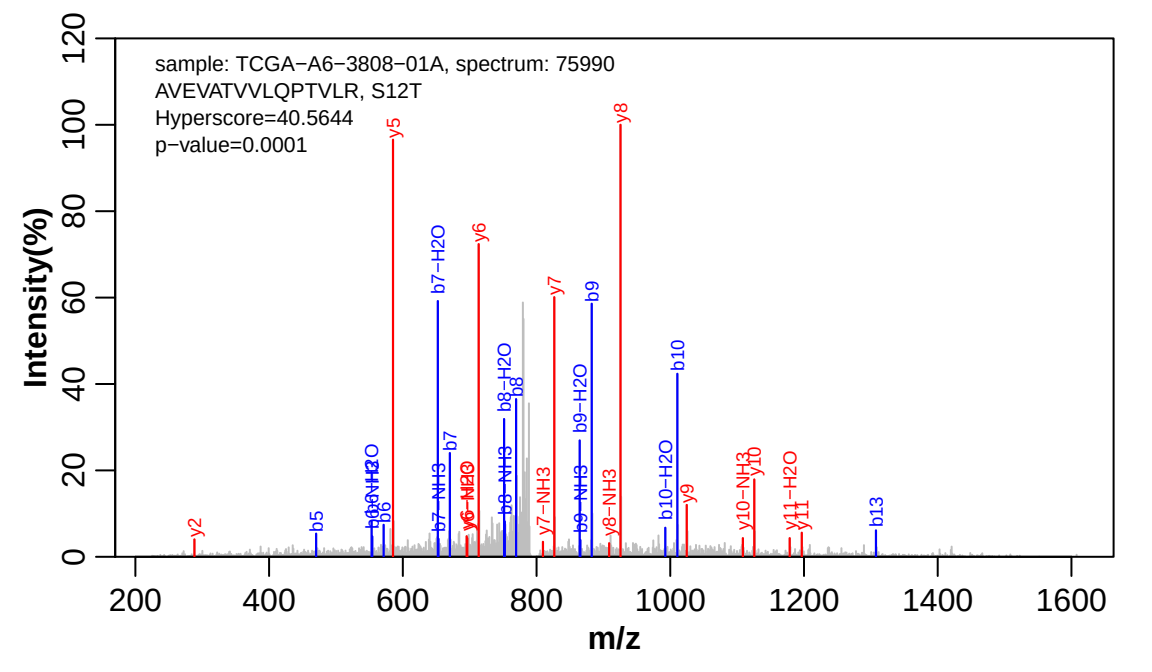

sample: TCGA−A6−3808−01A, spectrum: 56044
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=23.9082
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y11
b8
y12
y14
b8−NH3
y7−H2O
b10
y9
y11−H2O
y13
b15−H2O
y4
y8
b12

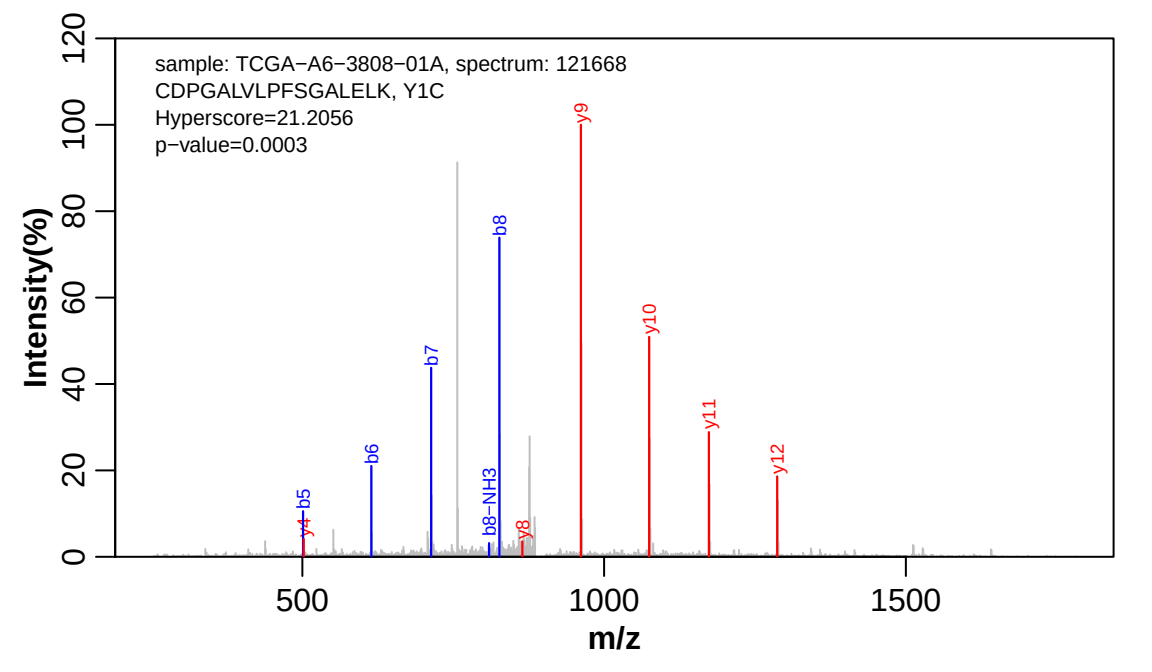

sample: TCGA−A6−3808−01A, spectrum: 10907
AGVETTTPSK, K7T
Hyperscore=25.9267
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7

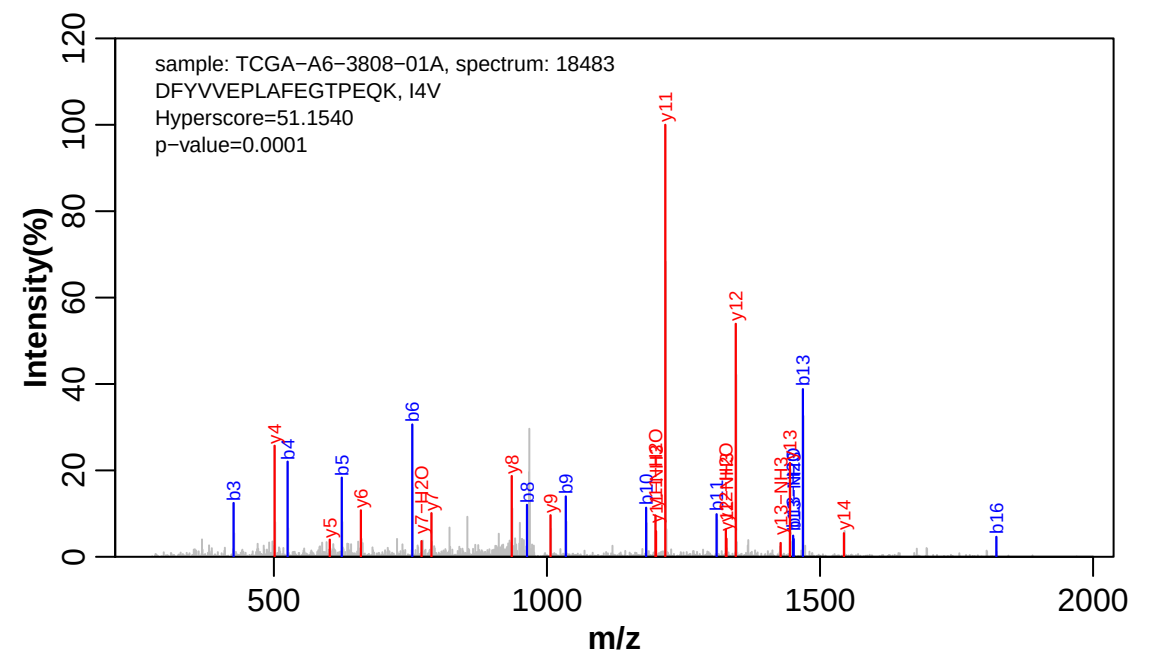

sample: TCGA−A6−3808−01A, spectrum: 10660
AGVETTTPSKQSNNK, K7T
Hyperscore=23.9040
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
b4
b5−H2O
y8++
b10++−H2O
y9++−H2O
y9++
b10++−NH3
y10++
y11++
y12++−H2O
y12++
b14++
y13++
y14++
y14++−H2O

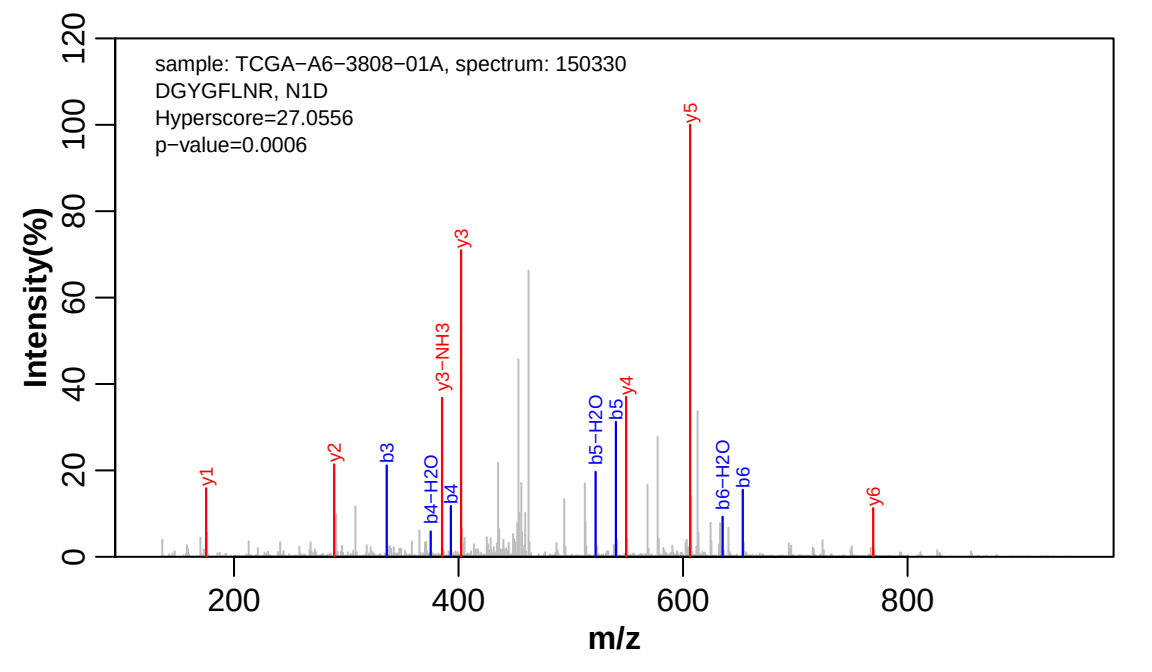

sample: TCGA−A6−3808−01A, spectrum: 72635
ALFMDCGLHAR, T4M
Hyperscore=22.7079
p−value=0.0001
Intensity(%)
m/z
y2
b3−NH3
y3
b4
y4−H2O
y4
y5
b5
y6
y7
b8−H2O
b8
y8
b9
y9
b10

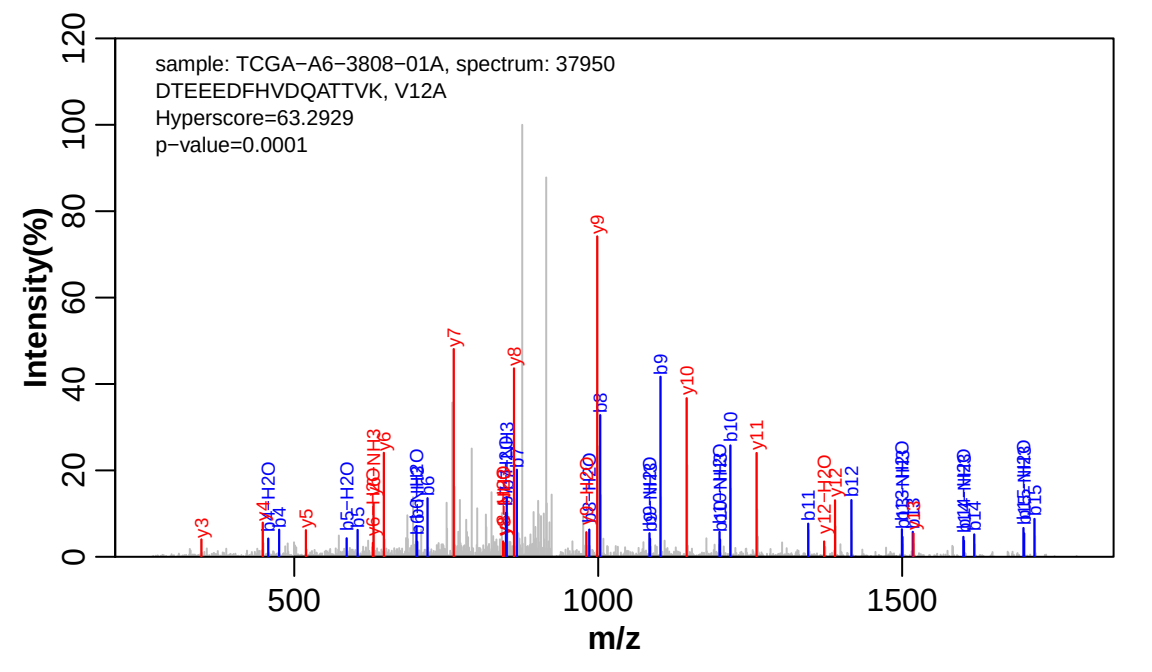

sample: TCGA−A6−3808−01A, spectrum: 163627
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=39.0099
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y8
y3
y4
y5−H2O
b7
y6
y9
y10
y11−H2O
y11
y12
y12−NH3
b14−H2O
y13
y14
b16
b17
b18

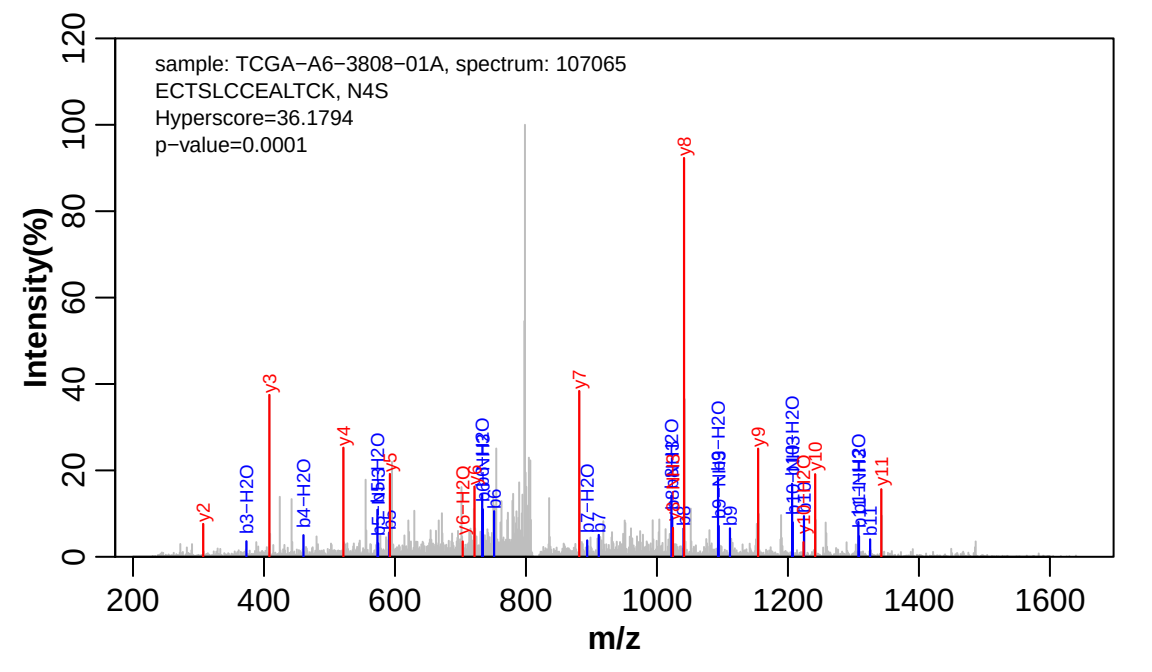

sample: TCGA−A6−3808−01A, spectrum: 75990
AVEVATVVLQPTVLR, S12T
Hyperscore=40.5644
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b5
b6
b7−NH3
b7
b7−H2O
y5
y6
b8−NH3
b8
b8−H2O
y7−NH3
y7
b9−NH3
b9
b9−H2O
y8−NH3
y8
b10−H2O
b10
y9
y10−NH3
y10
y11−H2O
y11
b13

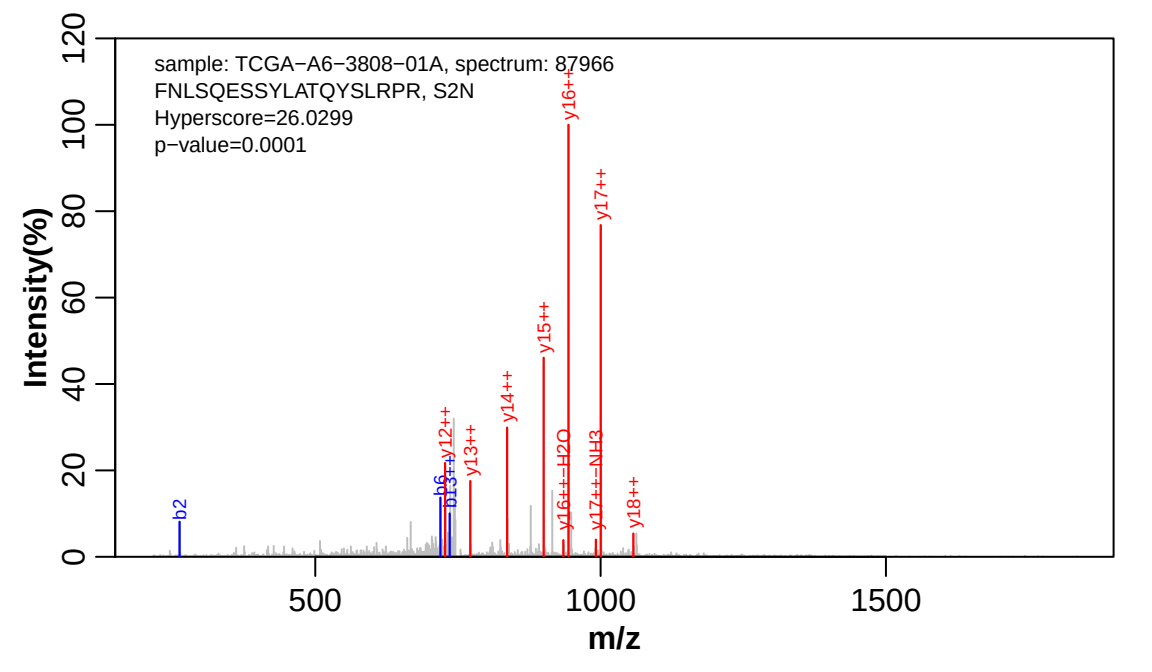

sample: TCGA−A6−3808−01A, spectrum: 121668
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.2056
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4
b5
b6
b7
b8−NH3
b8
y8
y9
y10
y11
y12

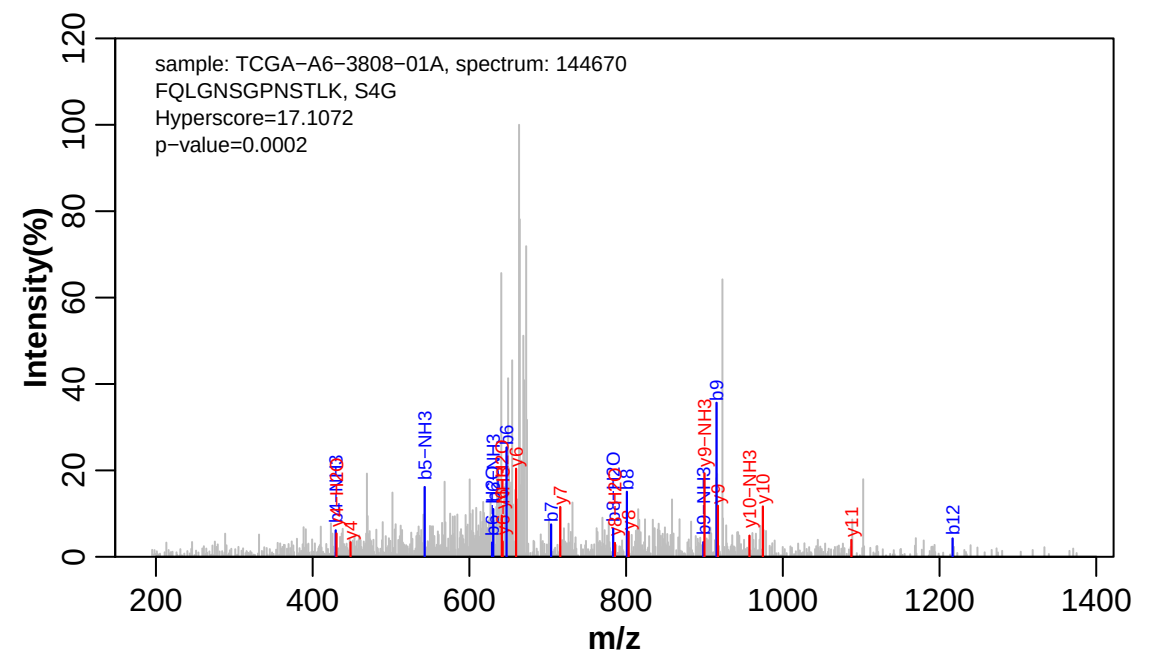

sample: TCGA−A6−3808−01A, spectrum: 18483
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=51.1540
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
y5
b5
y6
b6
y7−H2O
y8
b8
y9
b9
b10
y11−NH3
y11−H2O
b11
y12−NH3
y12−H2O
y13−NH3
b13
y14
b16
y11
y12
b13

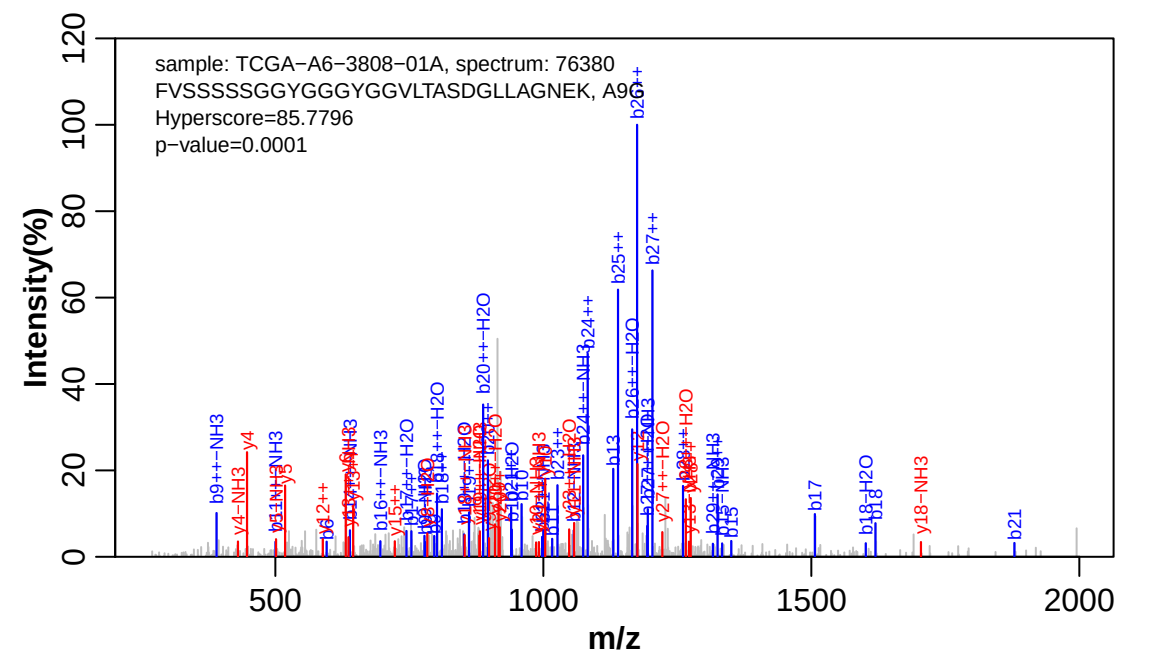

sample: TCGA−A6−3808−01A, spectrum: 150330
DGYGFLNR, N1D
Hyperscore=27.0556
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3
b4−H2O
b4
y3−NH3
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
y6

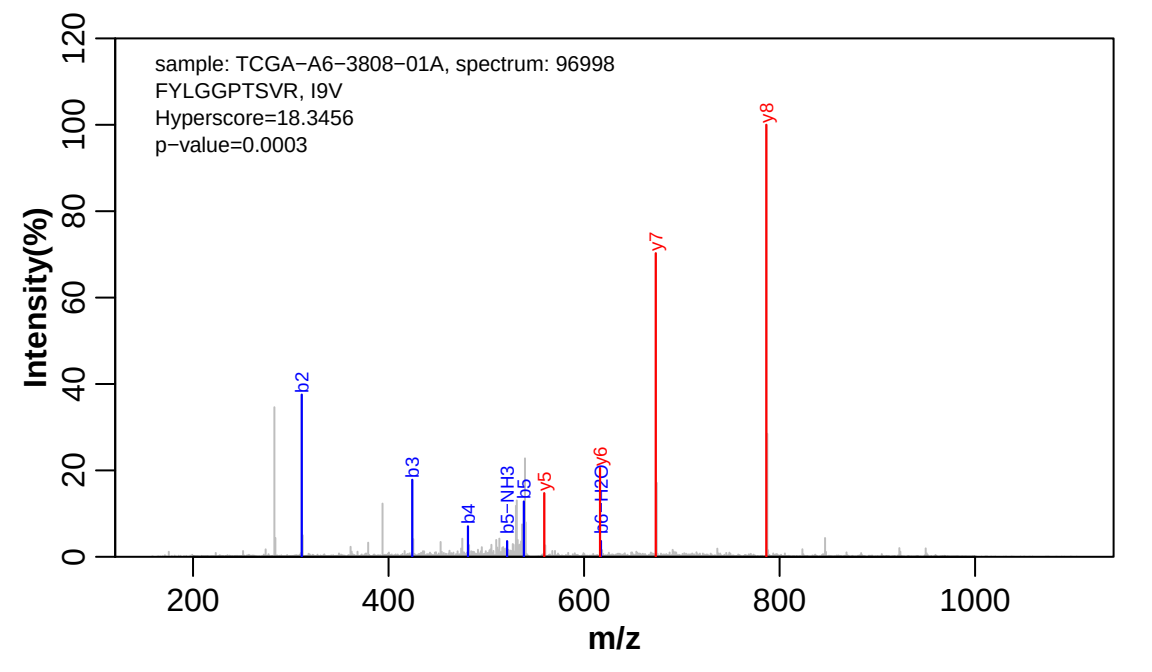

sample: TCGA−A6−3808−01A, spectrum: 37950
DTEEEDFHVDQATTVK, V12A
Hyperscore=63.2929
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4−H2O
b4
y5
b5−H2O
b5
y6−H2O−NH3
y6
b6−H2O
b6
y7
y8
b7
y8−H2O
b8
y9
b9
y10
b10
y11
b11
y12−H2O
y12
b12
b14
b15

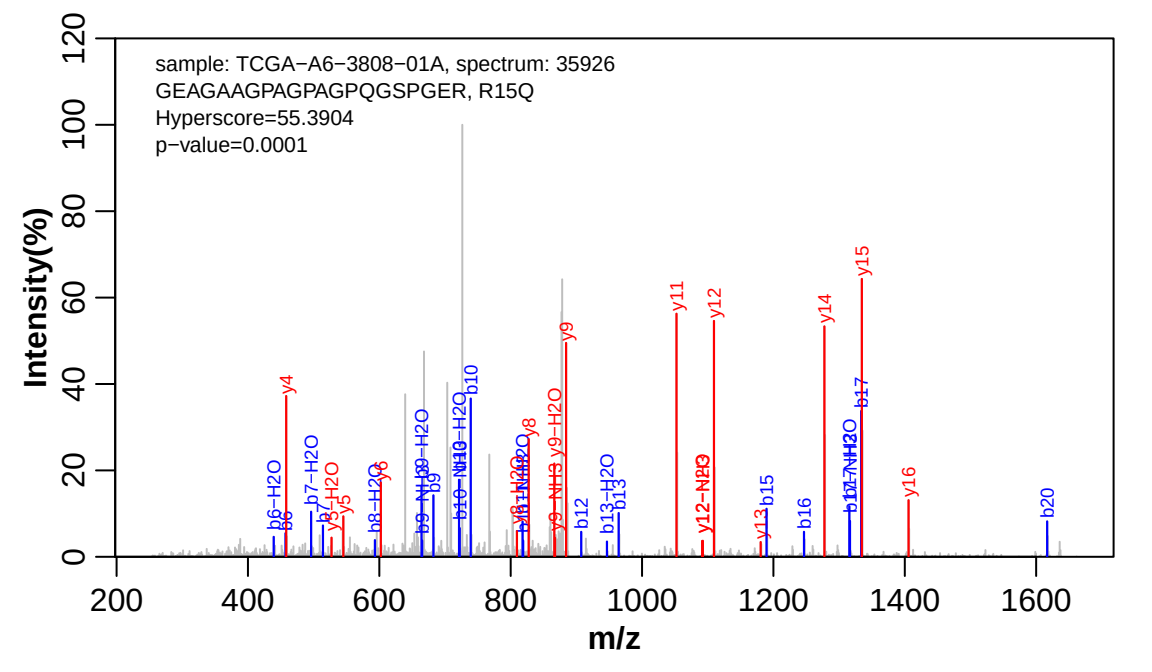

sample: TCGA−A6−3808−01A, spectrum: 107065
ECTSLCCEALTCK, N4S
Hyperscore=36.1794
p−value=0.0001
Intensity(%)
m/z
y2
b3−H2O
y3
b4−H2O
y4
y5
y6−H2O
b6
y7
b7−H2O
y8
b8
b9−NH3−H2O
y9
y10
b11
y11

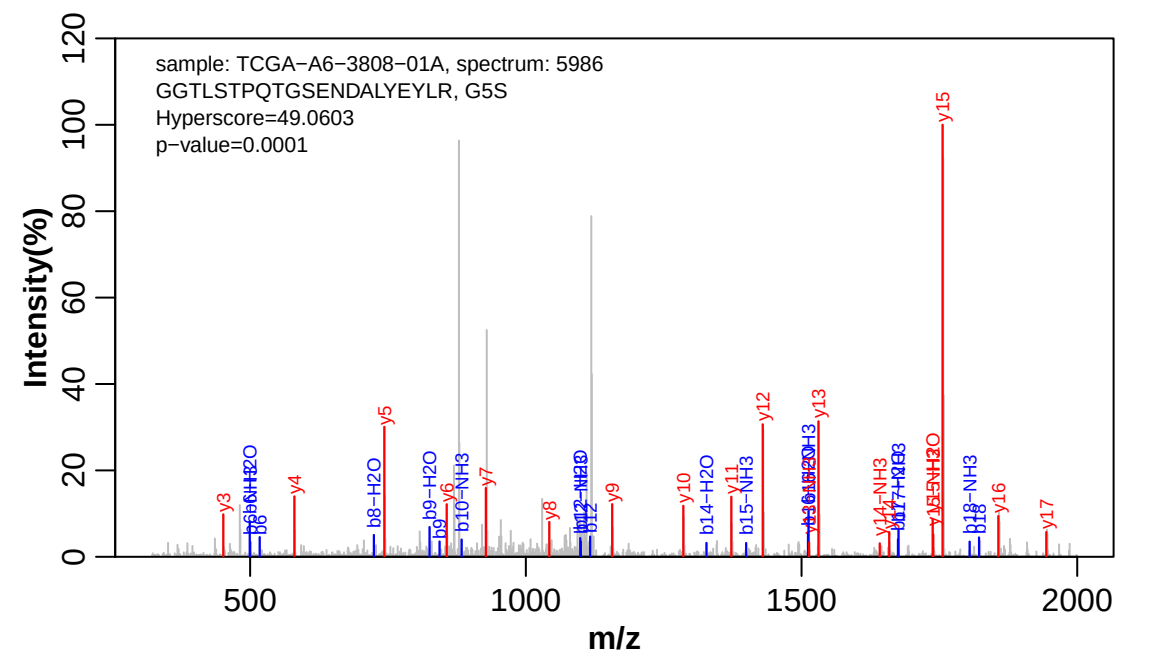

sample: TCGA−A6−3808−01A, spectrum: 87966
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=26.0299
p−value=0.0001
Intensity(%)
m/z
b2
b6
b13++y12++
y13++
y14++
y15++
y16++
y16++−H2O
y17++
y17++−NH3
y18++
0
20
40
60
80
100
120
500
1000
1500

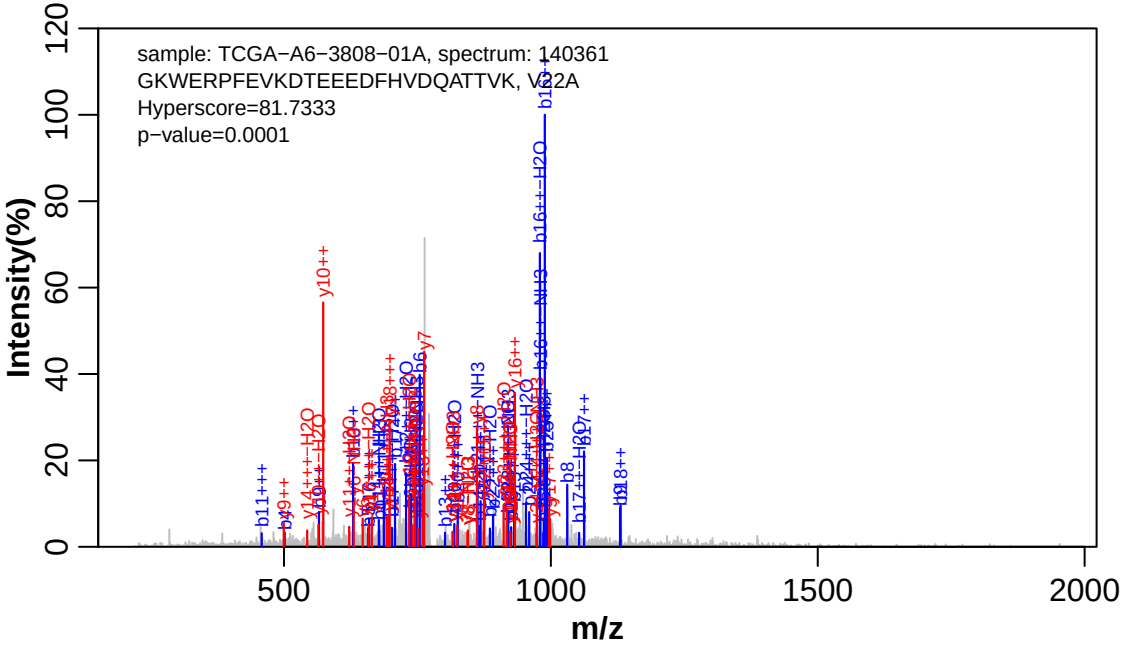

sample: TCGA−A6−3808−01A, spectrum: 144670
FQLGNSGPNSTLK, S4G
Hyperscore=17.1072
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b5−NH3
y6
b7
y7
b8
y8
b9
y9−NH3
y9
y10−NH3
y10
y11
b12

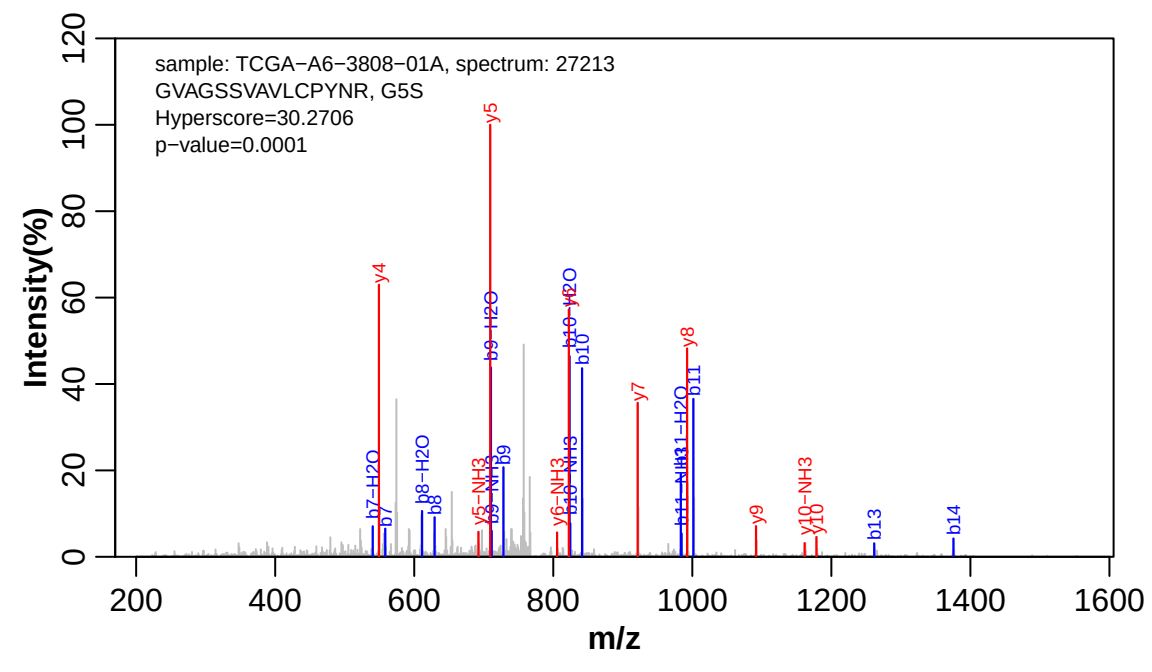

sample: TCGA−A6−3808−01A, spectrum: 76380
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=85.7796
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4−NH3
y4
y3
b16++−NH3
y15++
b20++−H2O
b25++
b26++−H2O
b27++
b24++−NH3
b24++
b13
y27++−H2O
b17
b18−H2O
b18
y18−NH3
b21

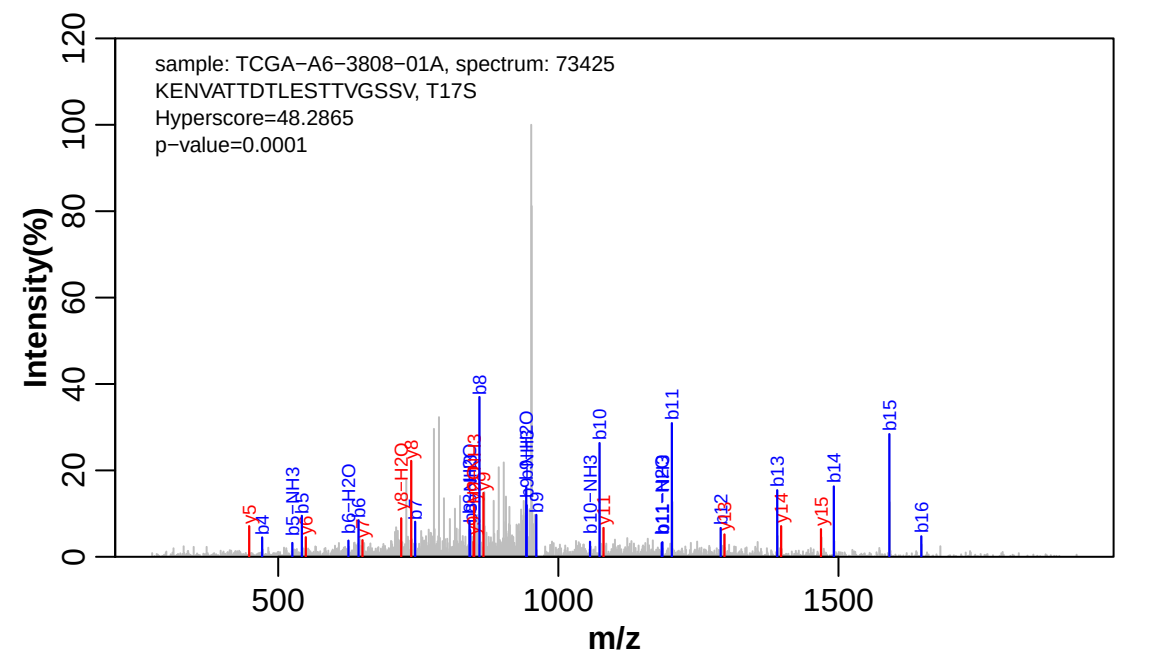

sample: TCGA−A6−3808−01A, spectrum: 96998
FYLGGPTSVR, I9V
Hyperscore=18.3456
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5−NH3
b5
y5
b6−H2O
y6
y7
y8

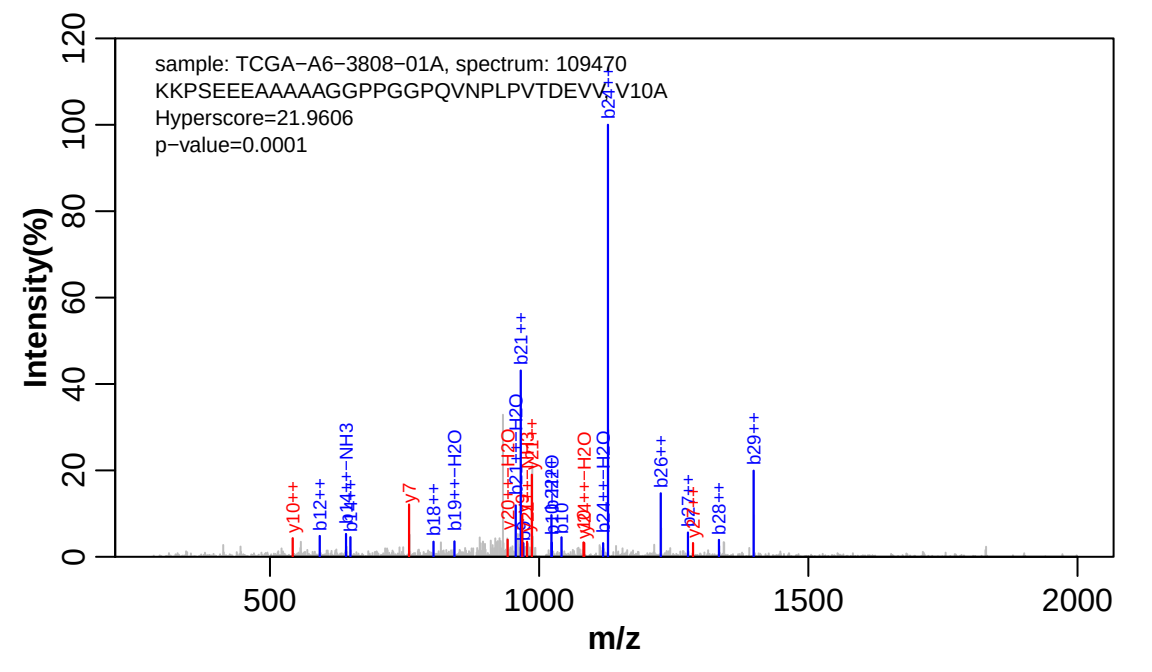

sample: TCGA−A6−3808−01A, spectrum: 35926
GEAGAAGPAGPAGPQGSPGER, R15Q
Hyperscore=55.3904
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4
b6−H2O
b8
b7−H2O
y5
b8−H2O
y6
b9−NH3
b9
b9−H2O
b10−NH3
b10−H2O
b10
y8
y8−H2O
y8−NH3
y9−NH3
y9−H2O
y9
b12
b13−H2O
b13
y11
y12−NH3
y12−H2O
y12
y13
b15
b16
y14
y15
b17
y16
b20

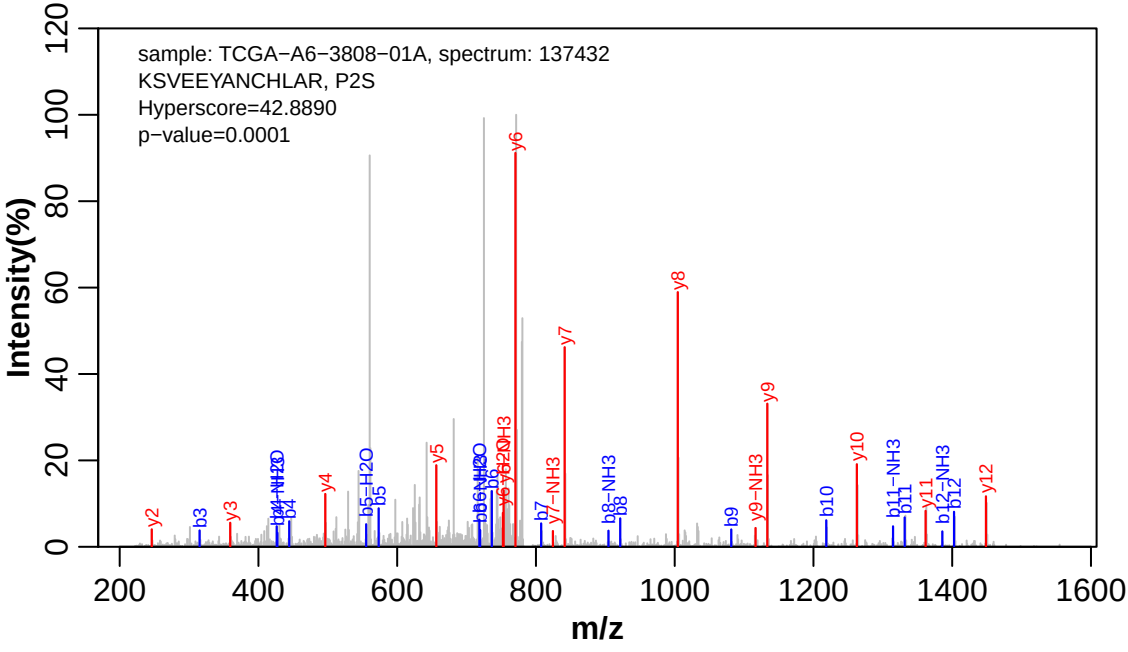

sample: TCGA−A6−3808−01A, spectrum: 5986
GGTLSTPQTGSENDALYEYLR, G5S
Hyperscore=49.0603
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
y3
y4
y5
y6
y7
y8
y9
y10
y11
y12
y13
y15
y16
y17
b8−H2O
b9−H2O
b10−NH3
b14−H2O
b15−NH3
b18−NH3
y14−NH3

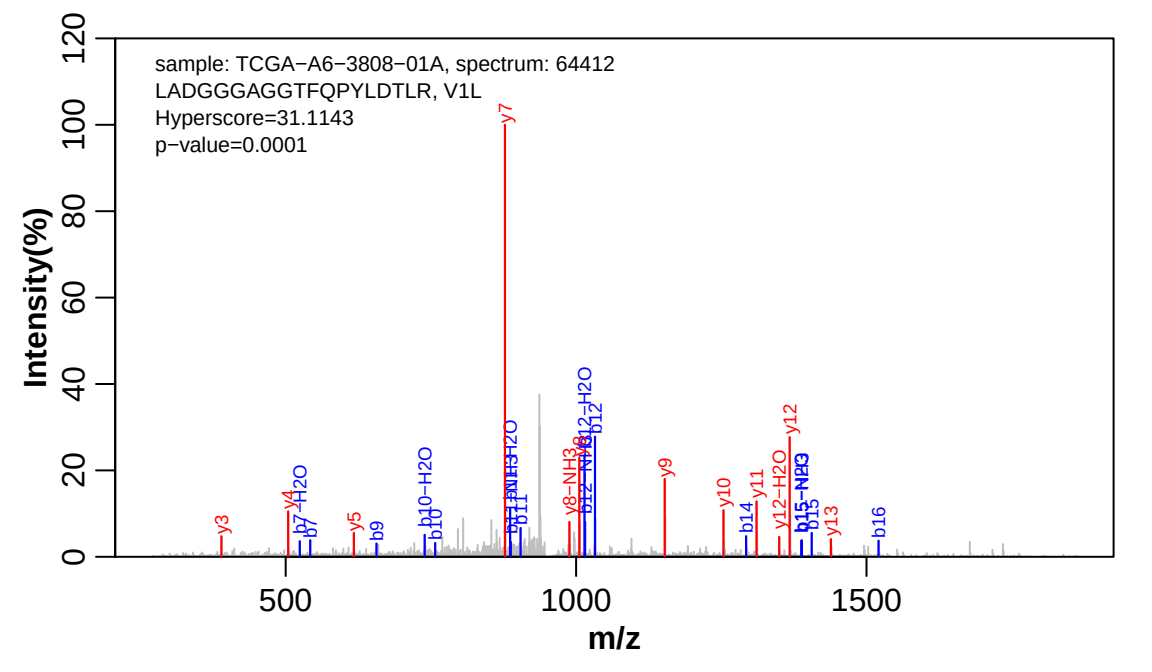

sample: TCGA−A6−3808−01A, spectrum: 140361
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=81.7333
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b11+++
b9++
y10++
b13++
b16++−H2O
b16++−NH3
b16++
b17++−H2O
b8
b18++

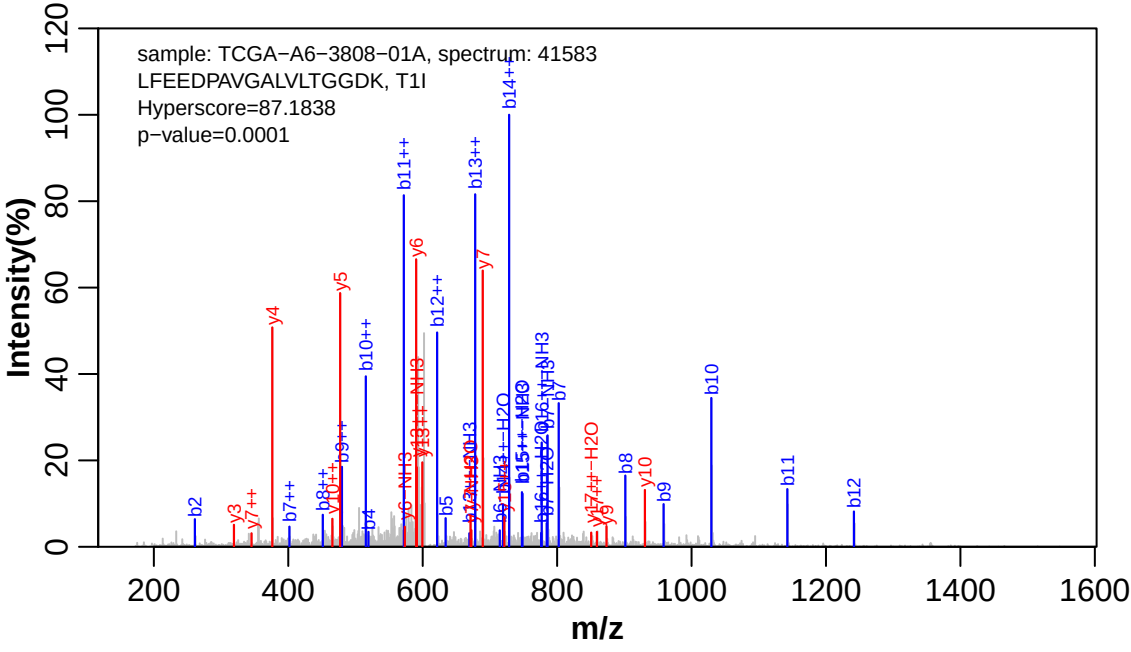

sample: TCGA−A6−3808−01A, spectrum: 27213
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.2706
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
b10
y8
y7
b11
b11−H2O
y9
y10−NH3
b13
b14
b7−H2O
b7
b8−H2O
b8
y5−NH3
b9−NH3
b9
y6−NH3
b10−NH3

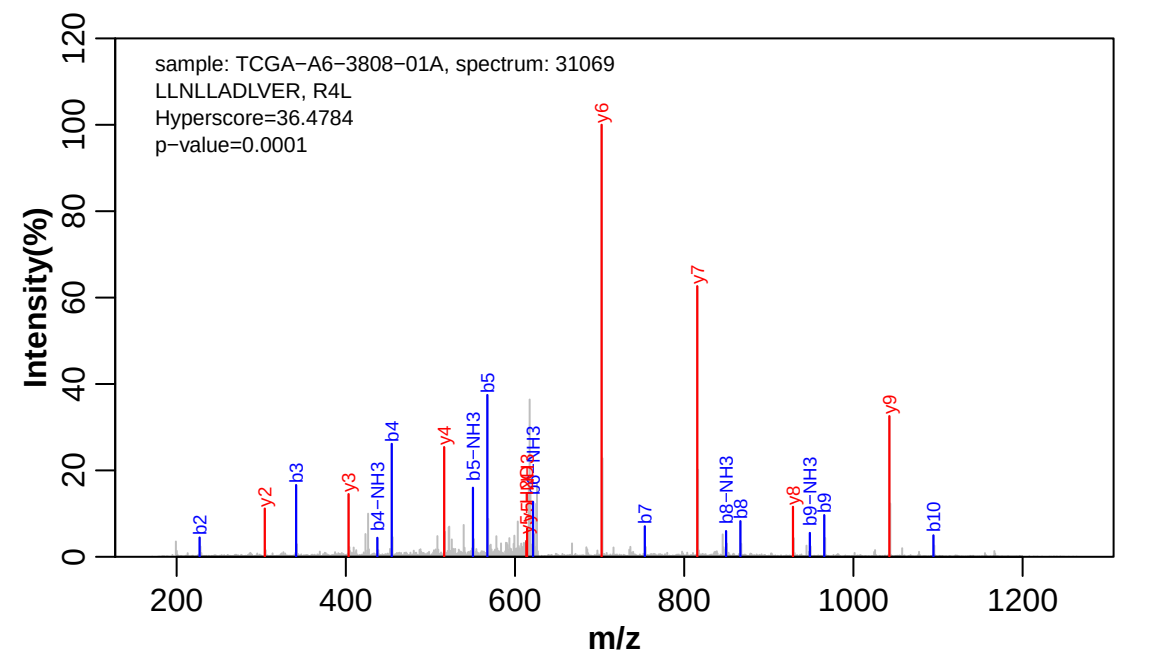

sample: TCGA−A6−3808−01A, spectrum: 73425
KENVATTDTLESTTVGSSV, T17S
Hyperscore=48.2865
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
b4
b5−NH3
y6
b6−H2O
y7
y8−H2O
y8
b7
b8
b9−NH3−H2O
b10
b10−NH3
y11
b11
b11−NH3
y12
b12
y14
b13
y15
b14
b15
b16

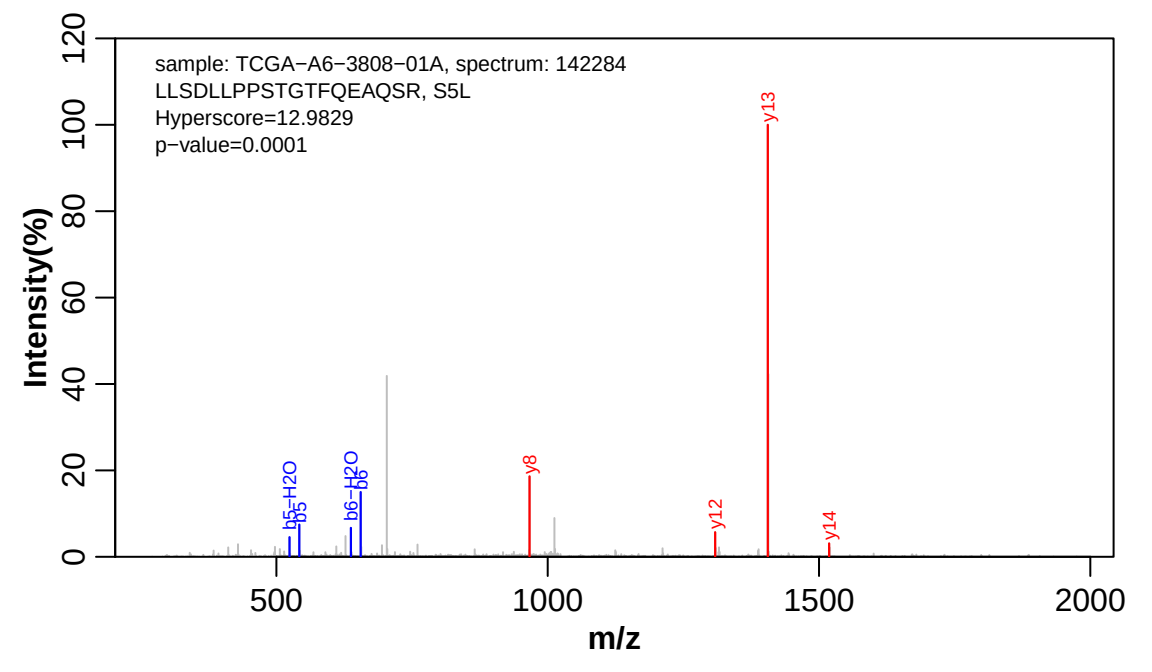

sample: TCGA−A6−3808−01A, spectrum: 109470
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=21.9606
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10++
b12++
b14++−NH3
y7
b18++
b19++−H2O
b21++
b24++
b26++
b27++
b28++
b29++

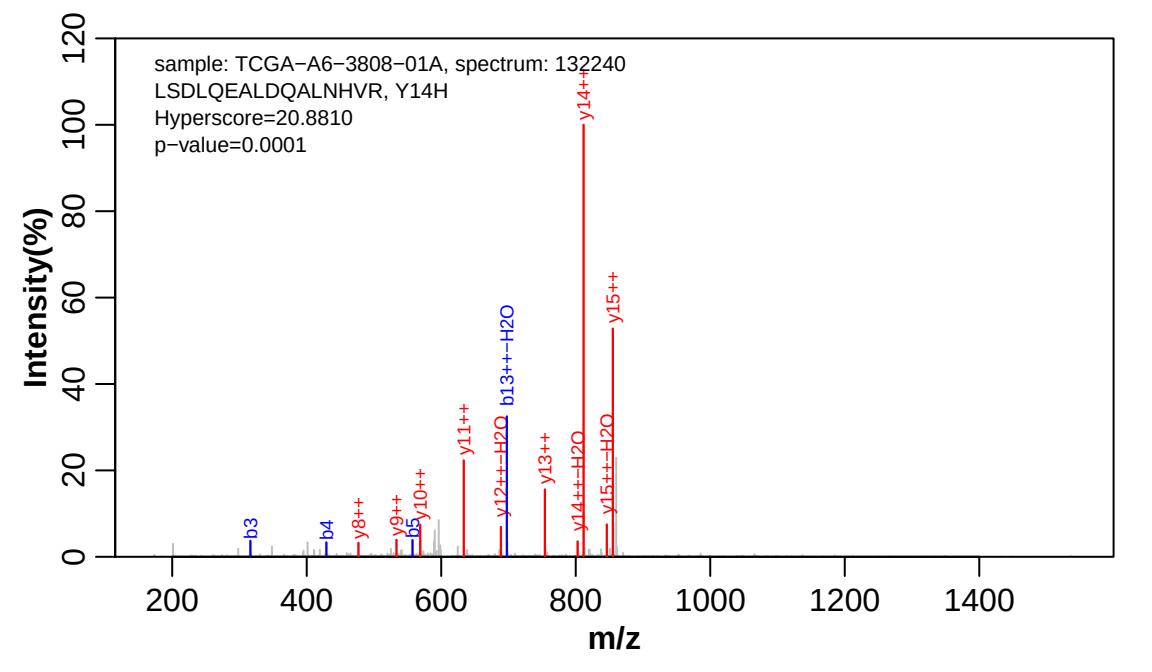

sample: TCGA−A6−3808−01A, spectrum: 137432
KSVEEYANCHLAR, P2S
Hyperscore=42.8890
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
y3
y4
b5−H2O
b5
y5
y6
y8
y7
y7−NH3
b8−NH3
b8
b9
y9
y9−NH3
b10
y10
b11−NH3
b11
y11
b12−NH3
b12
y12

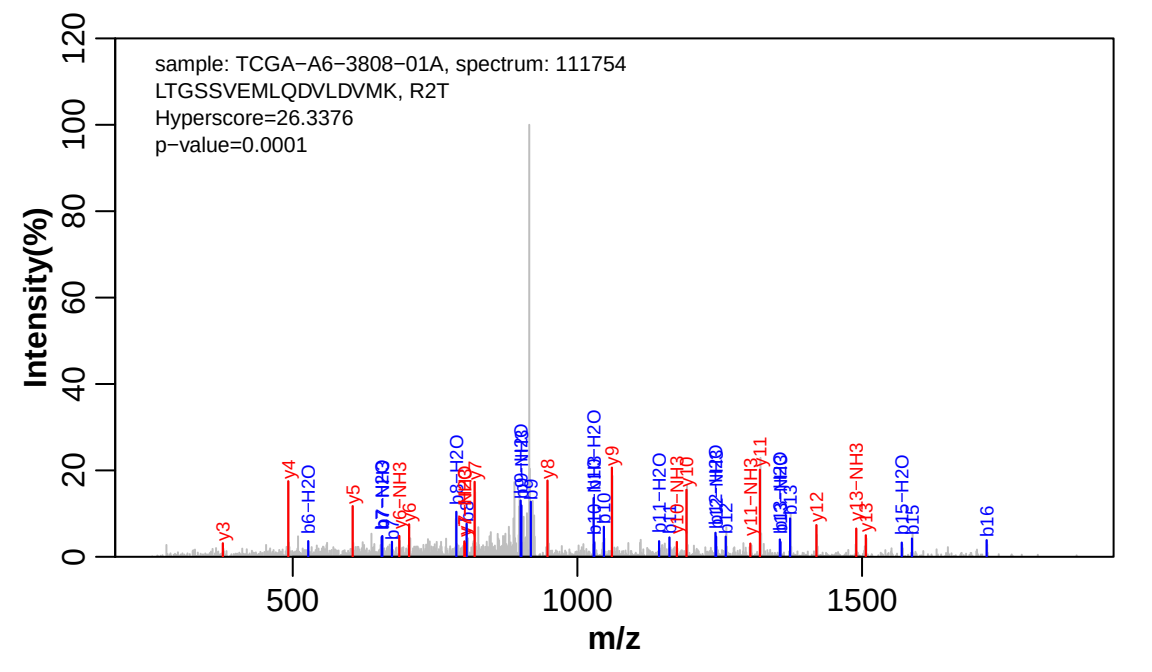

sample: TCGA−A6−3808−01A, spectrum: 64412
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=31.1143
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y3
y4
b7−H2O
b7
y5
b9
b10−H2O
b10
b11−NH3−H2O
b11
y8−NH3
b12−NH3
b12−H2O
b12
y9
y10
b14
y11
y12−H2O
y12
b15−NH3
b15
y13
b16

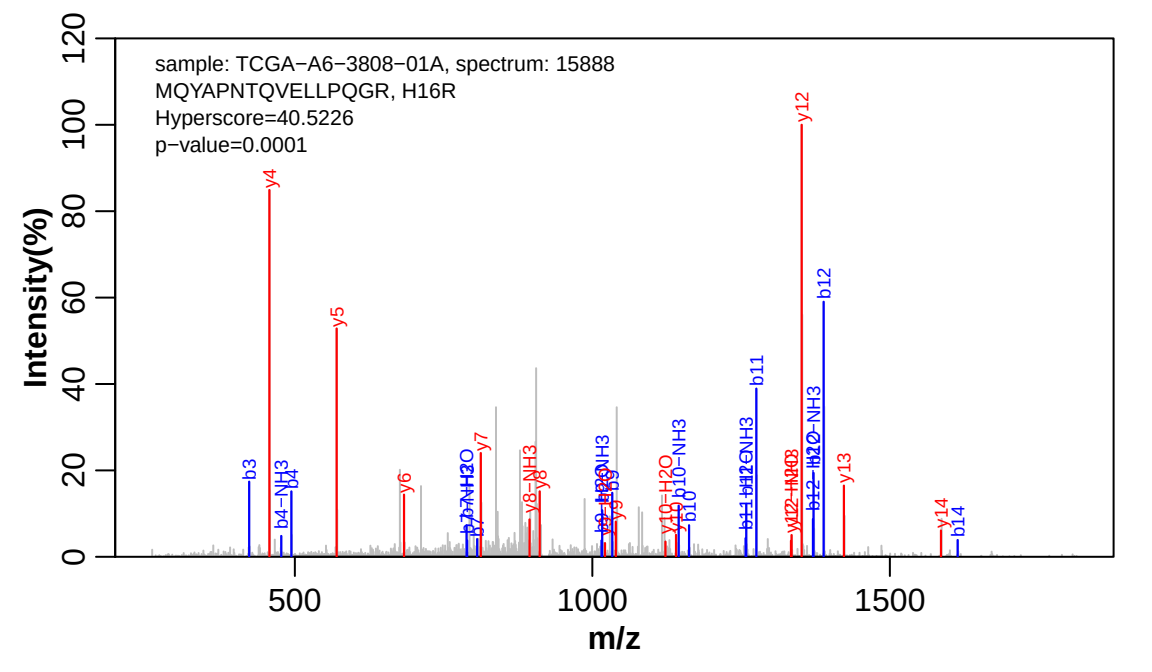

sample: TCGA−A6−3808−01A, spectrum: 41583
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=87.1838
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y7++
y4
b7++
b8++
y10++
b9++
y5
b10++
b4
y6−NH3
y6
b11++
y13++−NH3
b5
b12++
b6−NH3
b13++
y7
b14++
b6−H2O
b15++−NH3
b15++
b16++−H2O
b16++−NH3
b7
y8++−H2O
y8++
y9
b8
y10
b9
b10
b11
b12

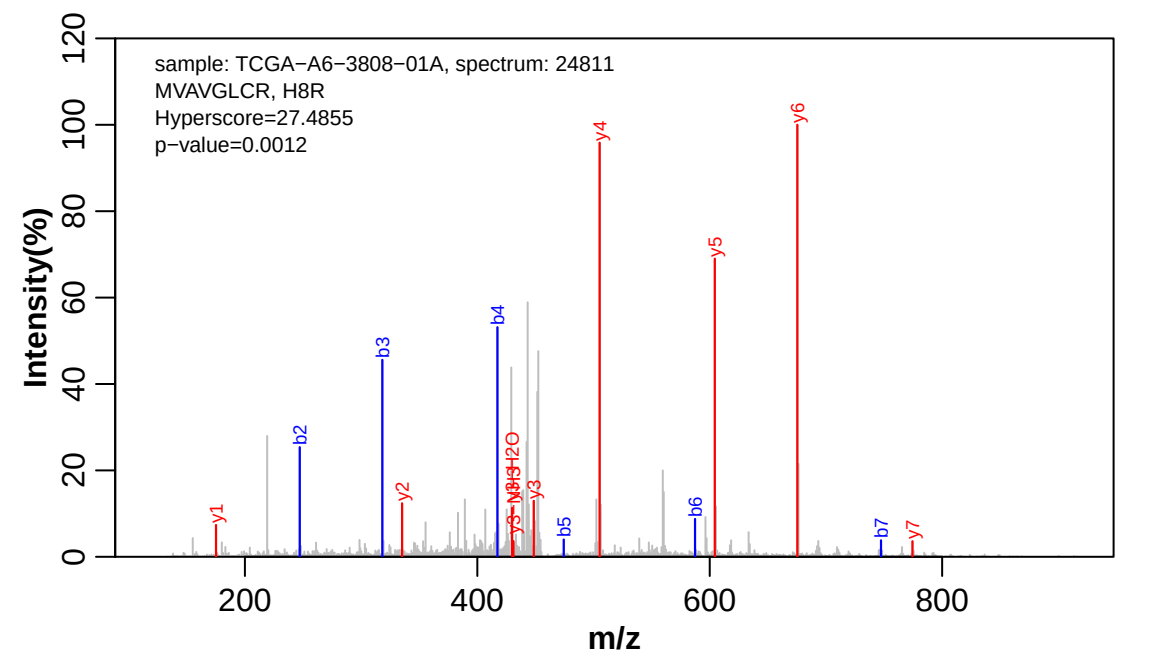

sample: TCGA−A6−3808−01A, spectrum: 31069
LLNLLADLVER, R4L
Hyperscore=36.4784
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
b8−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

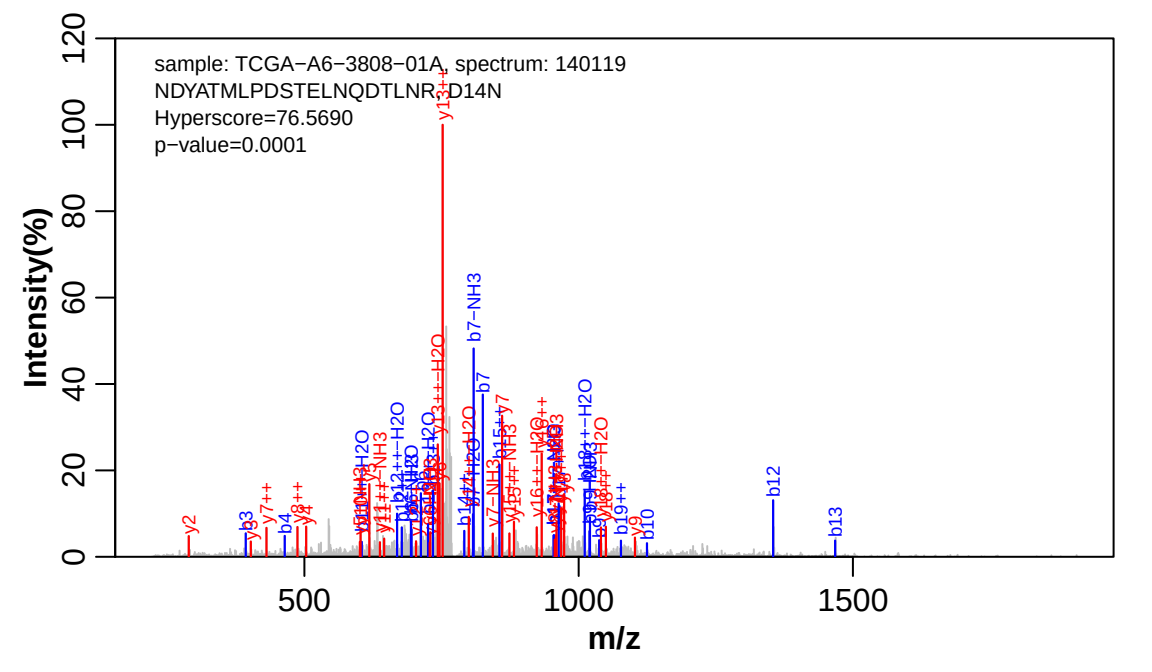

sample: TCGA−A6−3808−01A, spectrum: 142284
LLSDLLPPSTGTFQEAQSR, S5L
Hyperscore=12.9829
p−value=0.0001
Intensity(%)
m/z
y13
y8
y12
y14
b5−H2O
b5
b6−H2O
b6

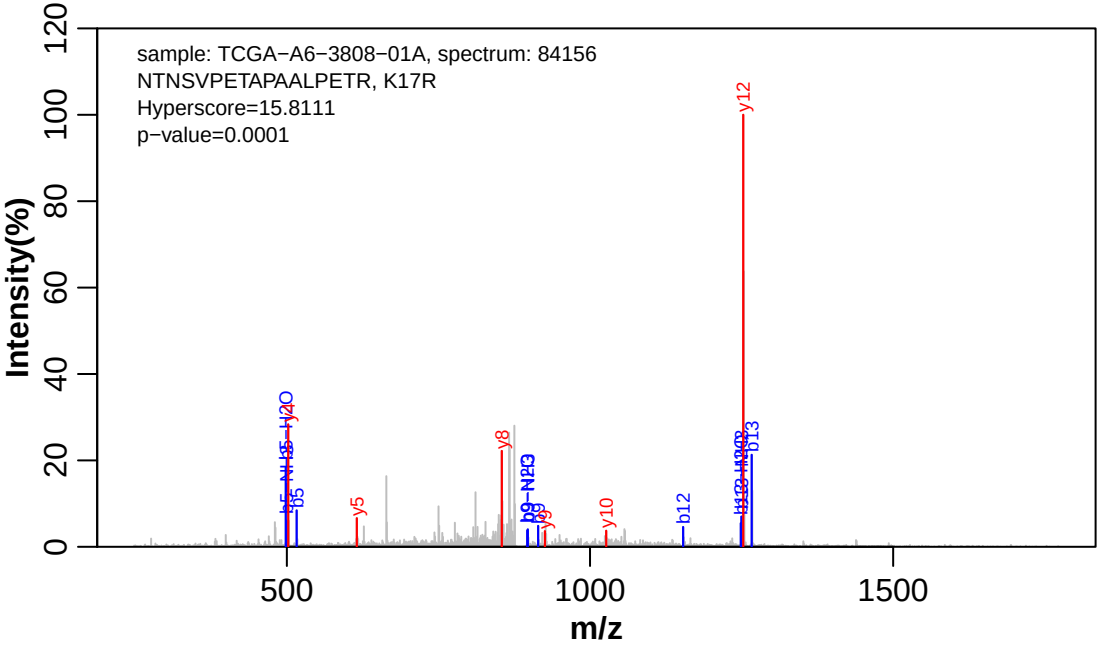

sample: TCGA−A6−3808−01A, spectrum: 132240
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.8810
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
b4
y8++
y9++
b5
y10++
y11++
y12++−H2O
b13++−H2O
y13++
y14++−H2O
y14++
y15++−H2O
y15++

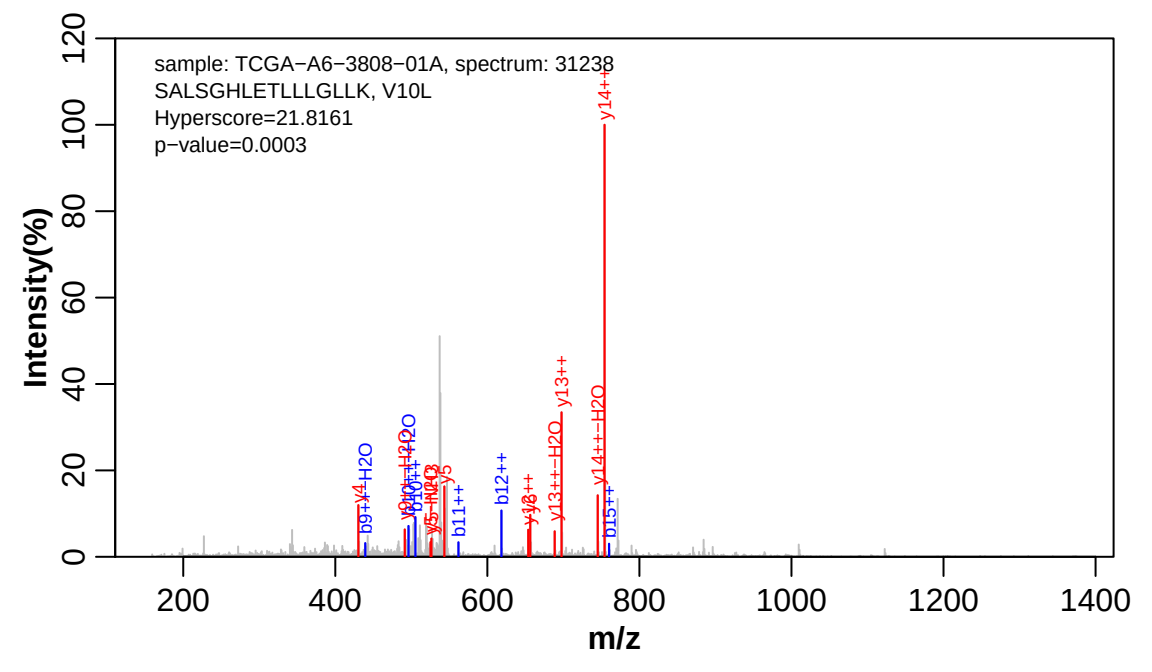

sample: TCGA−A6−3808−01A, spectrum: 111754
LTGSSVEMLQDVLDVMK, R2T
Hyperscore=26.3376
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
b6−H2O
y5
b7−NH3
y6
y6−NH3
b8−H2O
y7
y8
b10−NH3−H2O
y9
b11−H2O
y10
y10−NH3
y11
y11−NH3
y12
y13−NH3
b15−H2O
b16

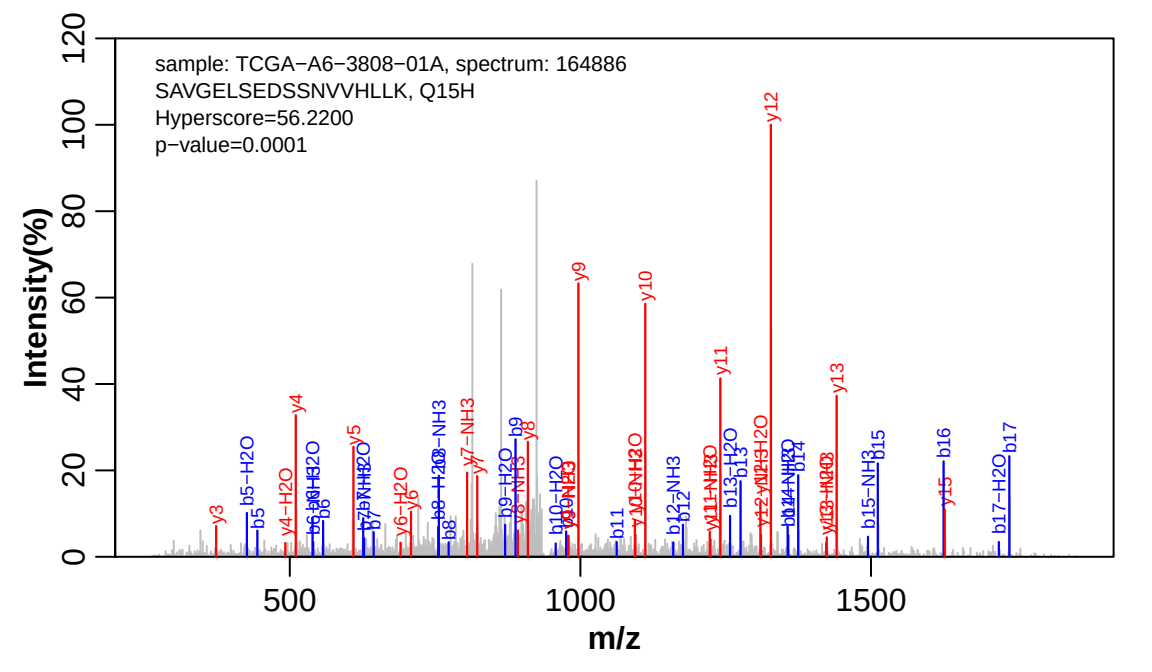

sample: TCGA−A6−3808−01A, spectrum: 15888
MQYAPNTQVELLPQGR, H16R
Hyperscore=40.5226
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y8
y8−NH3
y10−H2O
y10−NH3
y12
y12−NH3
y13
y14
b3
b4
b4−NH3
b10
b10−NH3
b11
b12
b12−NH3
b14

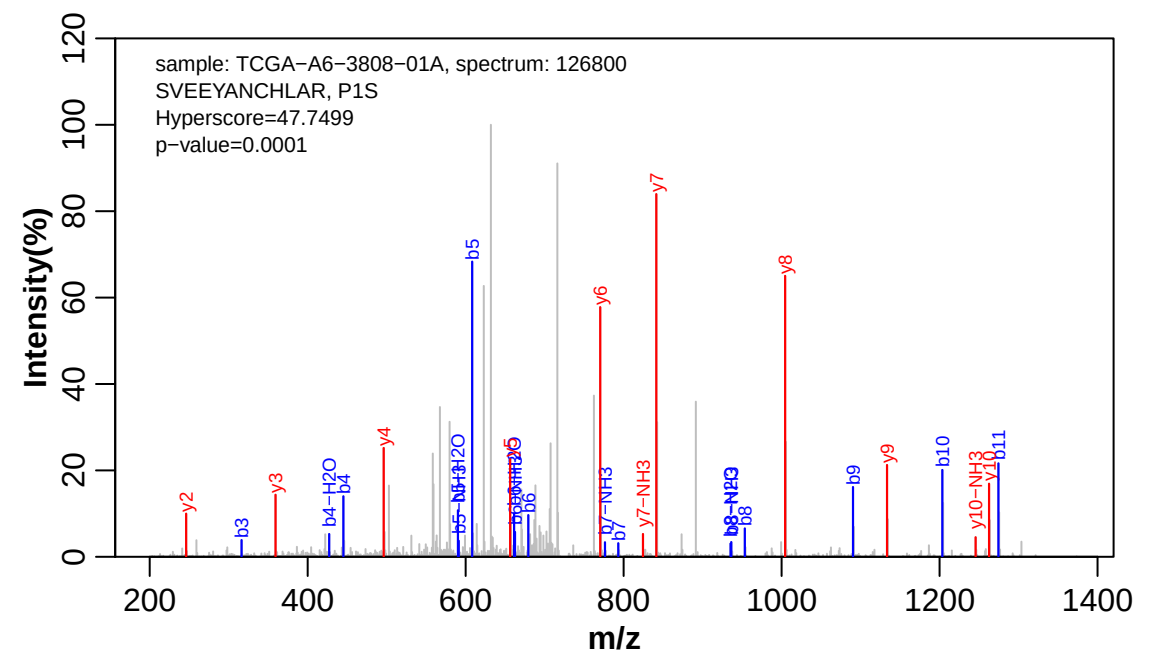

sample: TCGA−A6−3808−01A, spectrum: 24811
MVAVGLCR, H8R
Hyperscore=27.4855
p−value=0.0012
Intensity(%)
m/z
y1
b2
b3
y2
b4
y3−NH3
y3−H2O
y3
b5
y4
b6
y5
y6
b7
y7

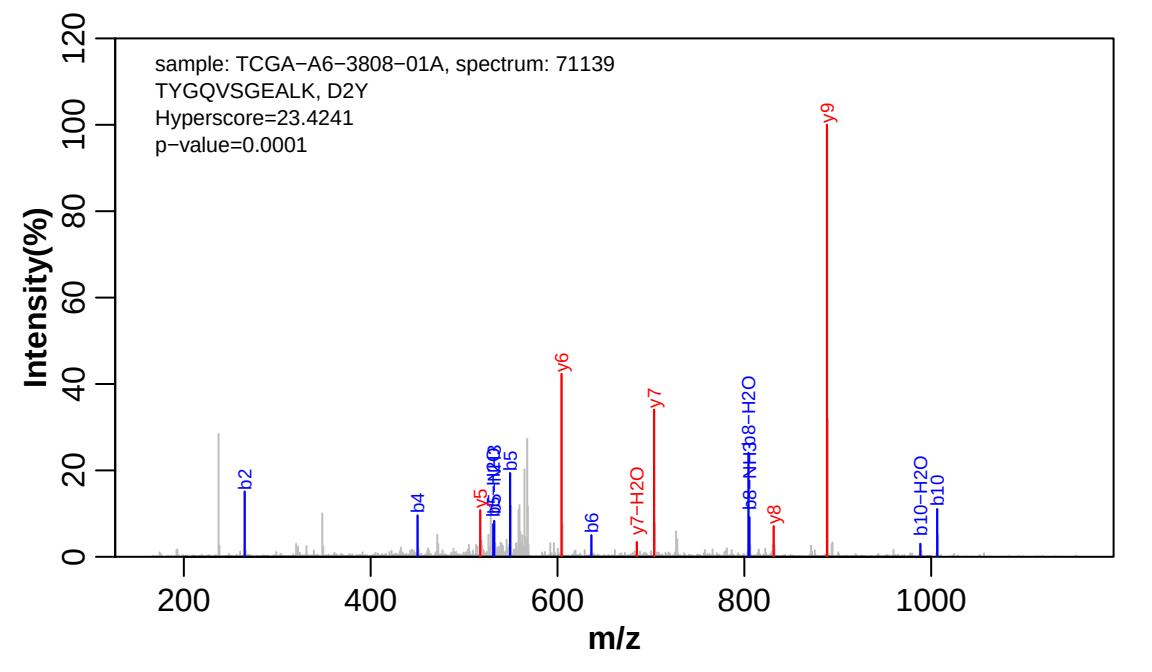

sample: TCGA−A6−3808−01A, spectrum: 140119
NDYATMLPDSTELNQDTLNR, D14N
Hyperscore=76.5690
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y13++
b7−NH3
b7
y3++−H2O
y2
y3
y7++
b4
y4++
b12
b13
b10
y9
b19++

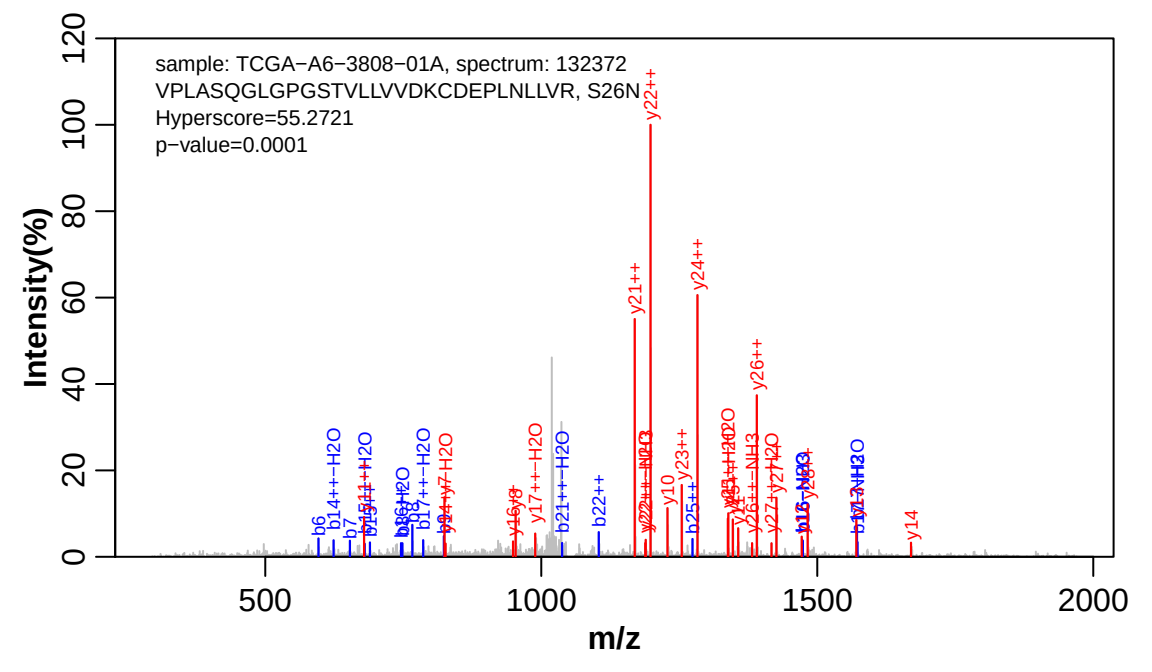

sample: TCGA−A6−3808−01A, spectrum: 84156
NTNSVPETAPAALPETR, K17R
Hyperscore=15.8111
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y8
y5
y10
b12
b13

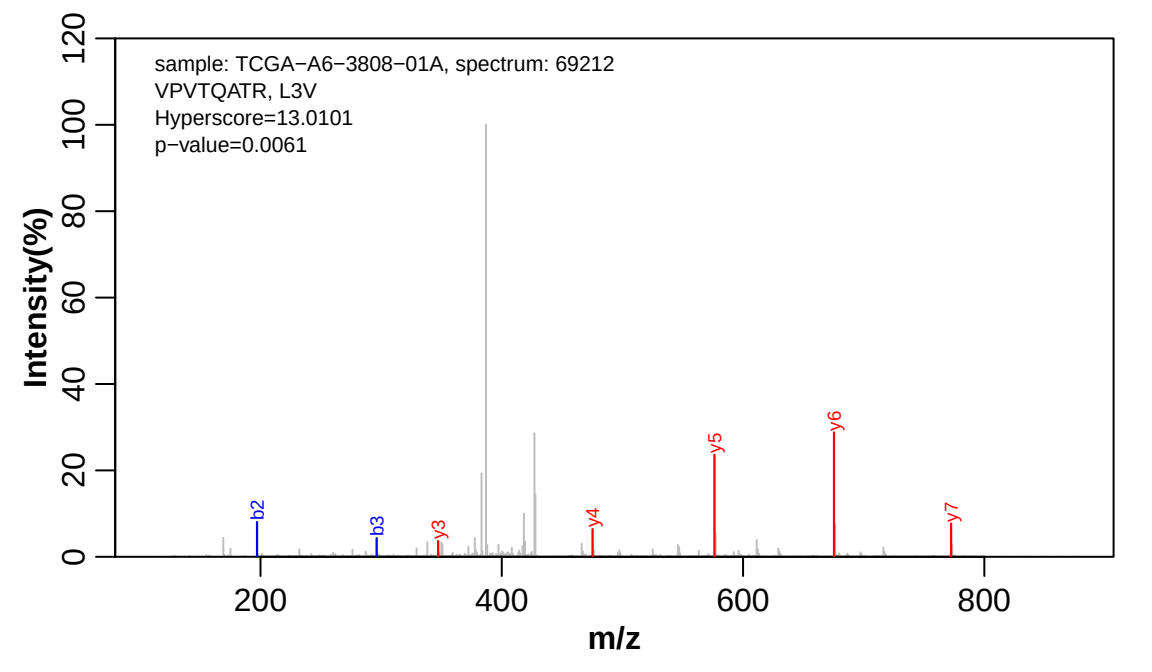

sample: TCGA−A6−3808−01A, spectrum: 31238
SALSGHLETLLLGLLK, V10L
Hyperscore=21.8161
p−value=0.0003
Intensity(%)
m/z
y14++
y13++
y14++−H2O
y13++−H2O
b12++
b11++
b9++−H2O
y4
y5
b15++
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

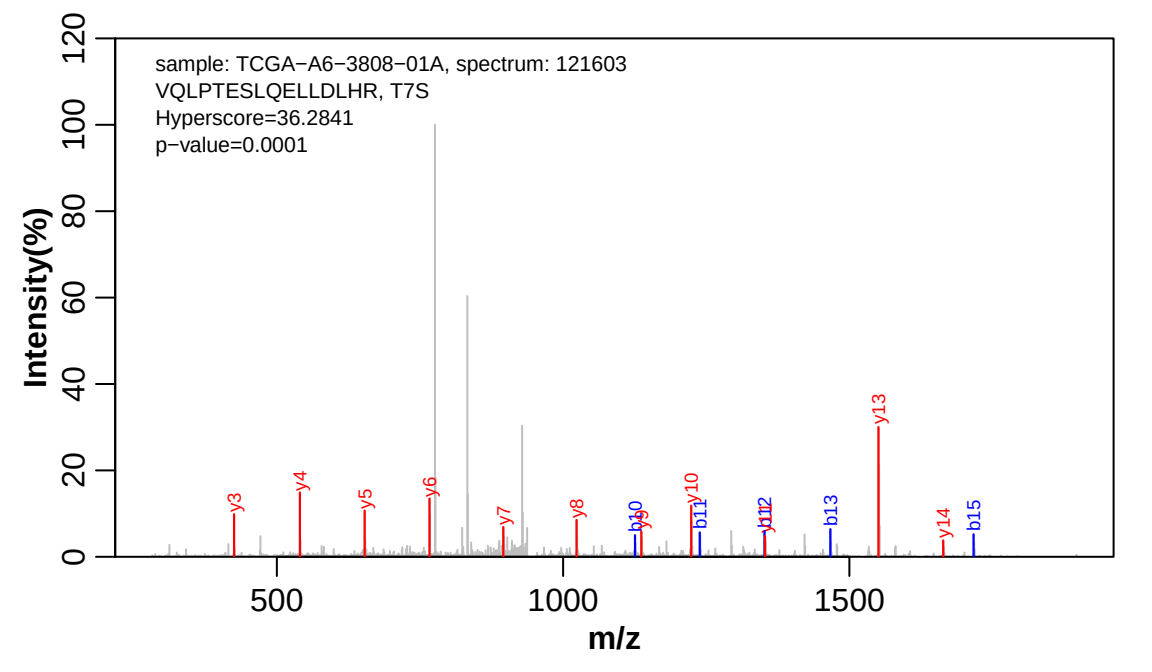

sample: TCGA−A6−3808−01A, spectrum: 164886
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=56.2200
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y9
y10
y11
y13
y4
y5
y7−NH3
y3
y4−H2O
y6−H2O
y15
b16
b17
b17−H2O
b15
b15−NH3
b5
b5−H2O
b11
b12−NH3
b13
b13−H2O
b14
b9
b9−H2O
b10−H2O
y8
y6

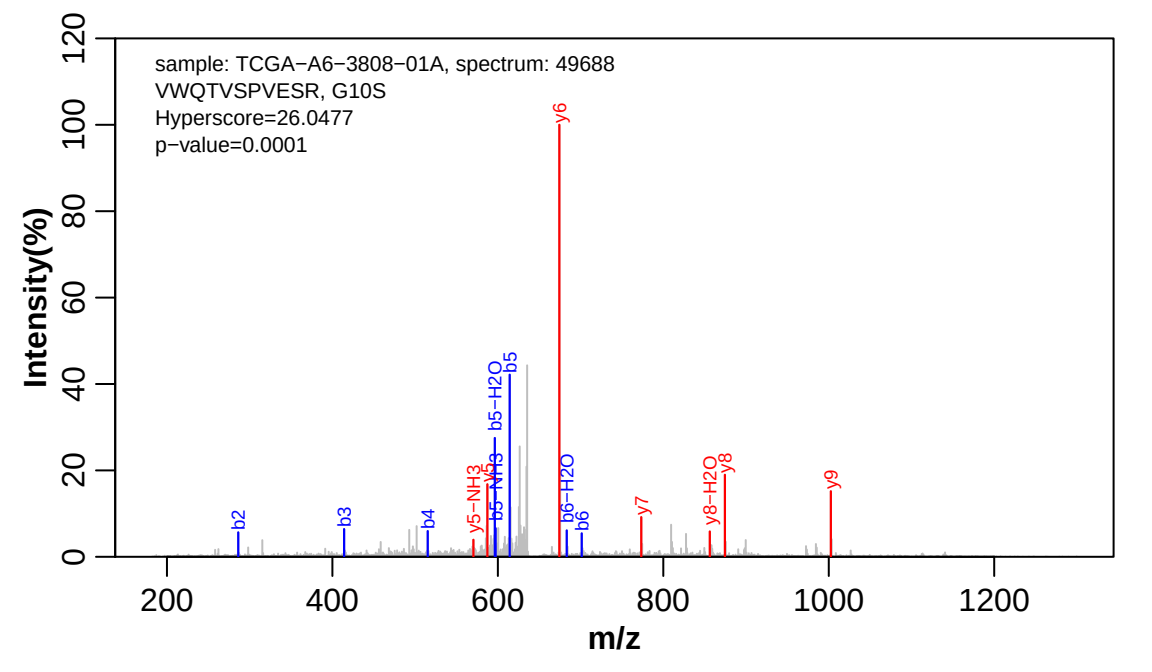

sample: TCGA−A6−3808−01A, spectrum: 126800
SVEEYANCHLAR, P1S
Hyperscore=47.7499
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4−H2O
b4
y4
b5
b5−NH3
b5−H2O
b6
b6−NH3
b6−H2O
y6
b7−NH3
b7
y7
y7−NH3
b8−NH3
b8
y8
b9
y9
b10
y10−NH3
y10
b11

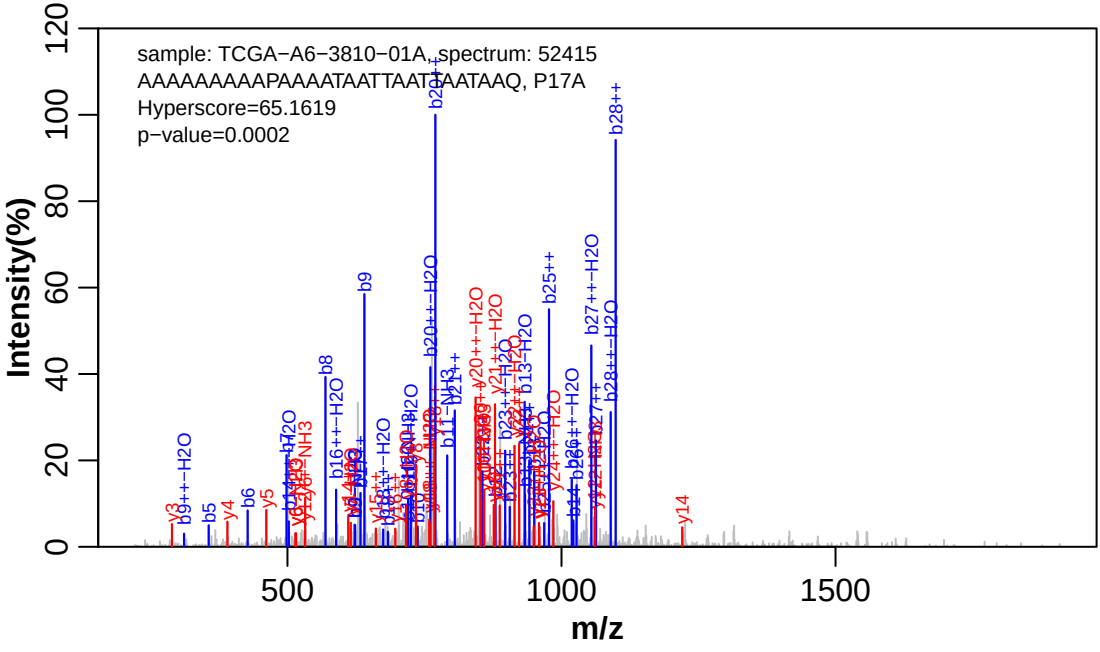

sample: TCGA−A6−3808−01A, spectrum: 71139
TYGQVSGEALK, D2Y
Hyperscore=23.4241
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b4
y5
b5
y6
b6
y7
y7−H2O
b8−NH3
b8−H2O
y8
y9
b10−H2O
b10

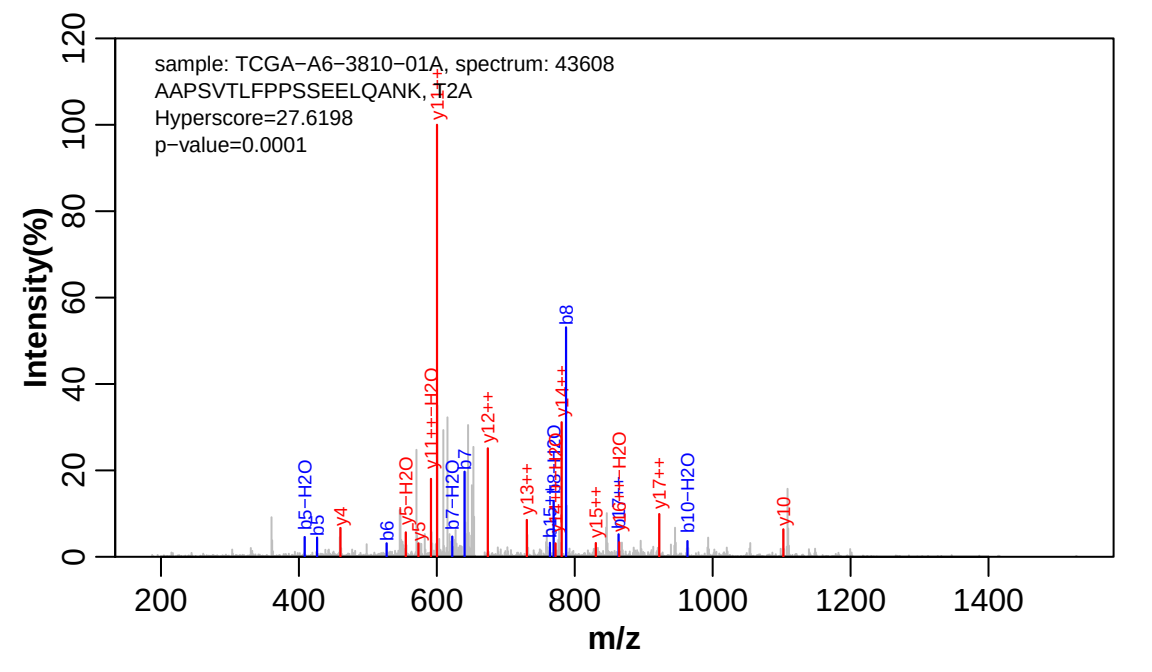

sample: TCGA−A6−3808−01A, spectrum: 132372
VPLASQGLGPGSTVLLVVDKCDEPLNLLVR, S26N
Hyperscore=55.2721
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y22++
y21++
y24++
y26++
y23++
y10
y14
b6
b14++−H2O
b7
b17++−H2O
b22++
b21++−H2O
y17++−H2O
y16y8
y24++y7−H2O

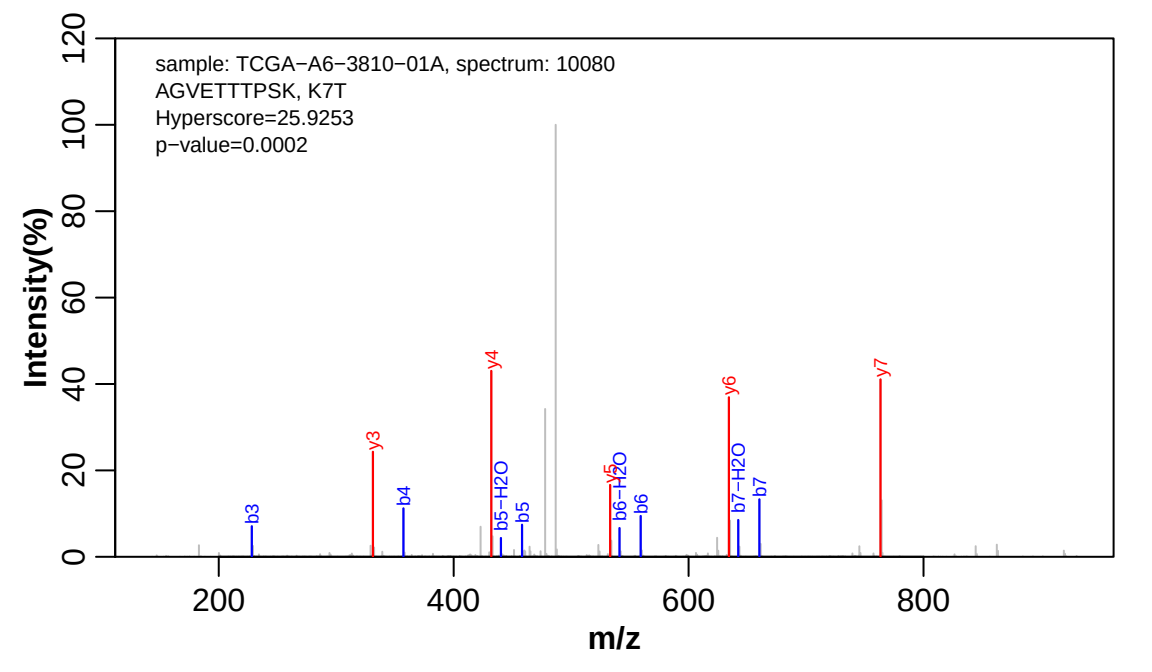

sample: TCGA−A6−3808−01A, spectrum: 69212
VPVTQATR, L3V
Hyperscore=13.0101
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3
y4
y5
y6
y7

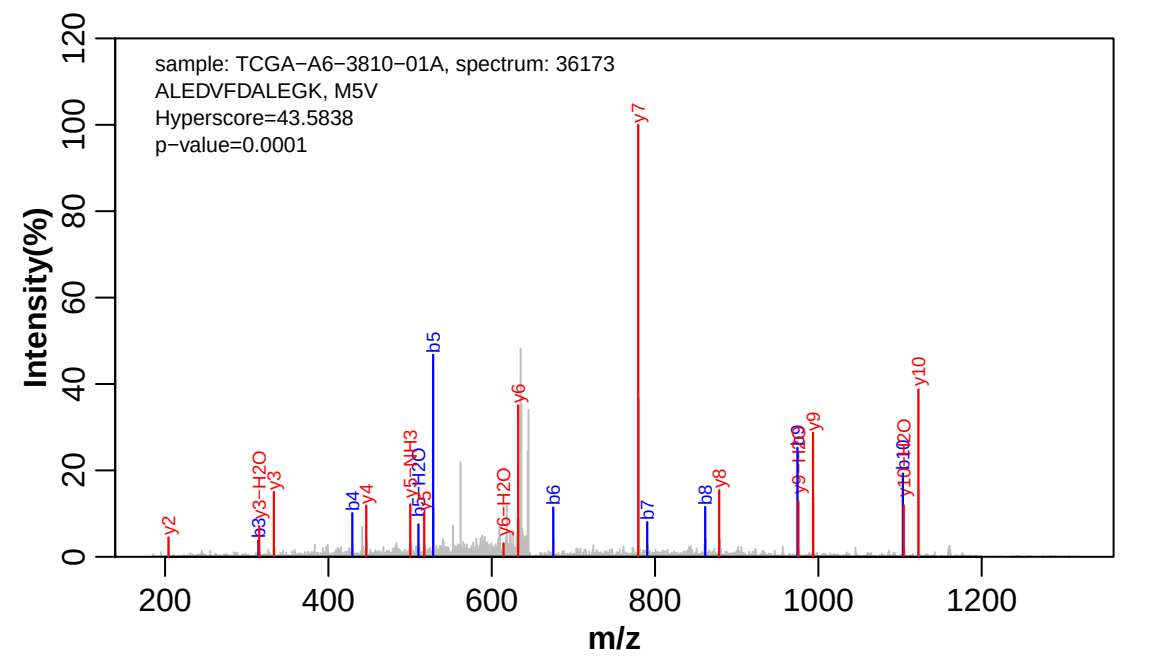

sample: TCGA−A6−3808−01A, spectrum: 121603
VQLPTESLQELLDLHR, T7S
Hyperscore=36.2841
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
y5
y6
y7
y8
b10
y9
y10
b11
y11
y12
b13
y13
y14
b15

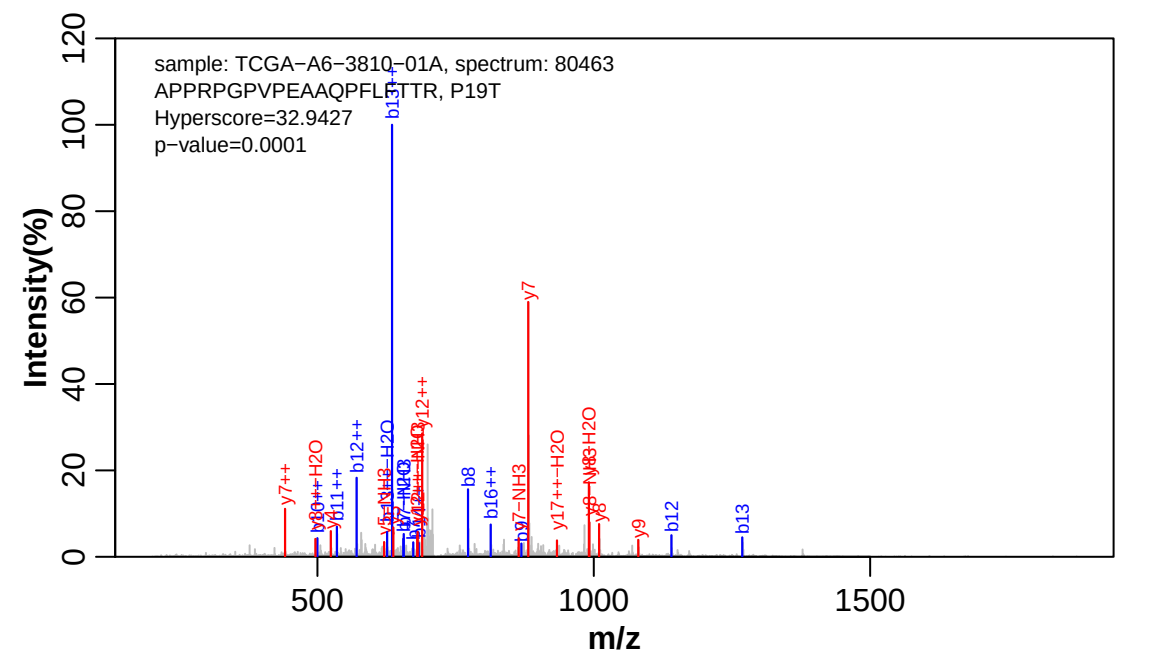

sample: TCGA−A6−3808−01A, spectrum: 49688
VWQTVSPVESR, G10S
Hyperscore=26.0477
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
b4
y5−NH3
b5
b5−NH3
b5−H2O
y6
b6−H2O
b6
y7
y8−H2O
y8
y9

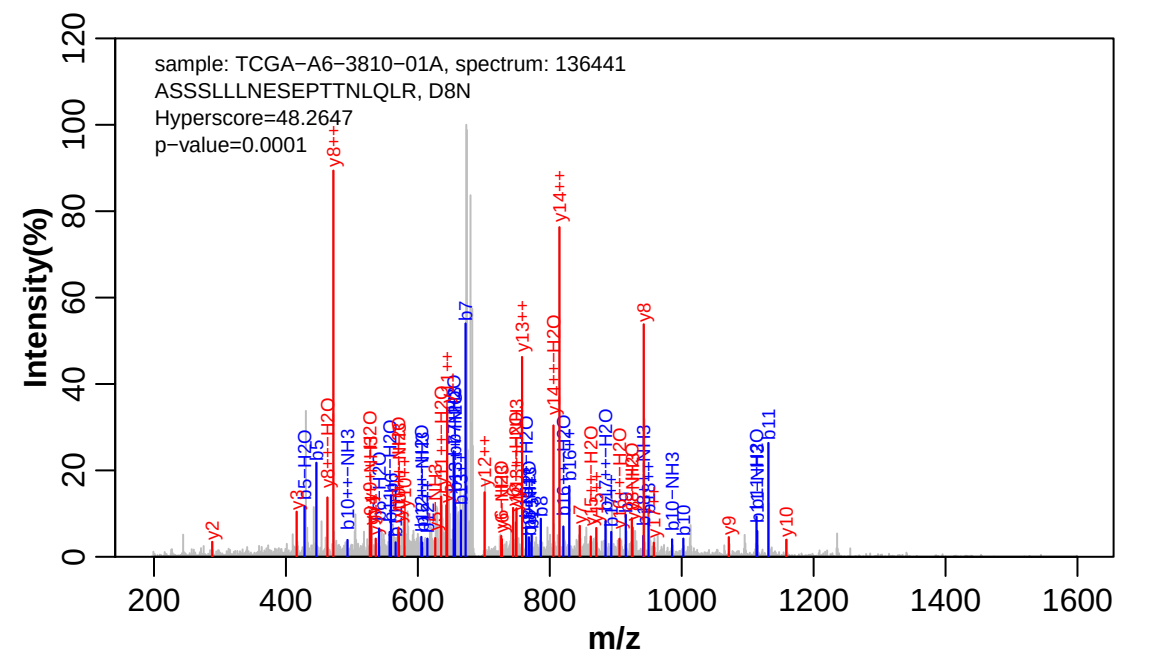

sample: TCGA−A6−3810−01A, spectrum: 52415
AAAAAAAAAPAAAATAATTAATAAATAAQ, P17A
Hyperscore=65.1619
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

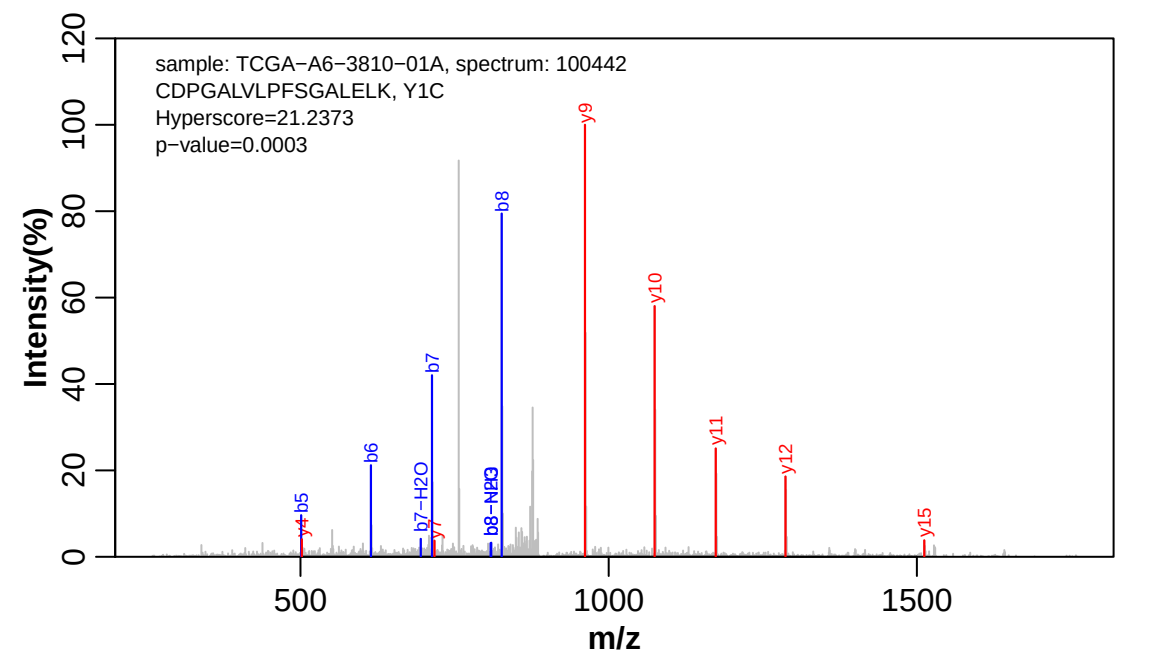

sample: TCGA−A6−3810−01A, spectrum: 43608
AAPSVTLFPPSSEELQANK, +2A
Hyperscore=27.6198
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y11++
y11++−H2O
y12++
b8
y14++
y13++
b7
b7−H2O
y15++
y16++−H2O
y17++
b10−H2O
y10
b5−H2O
b5
y4
b6
y5−H2O
y5

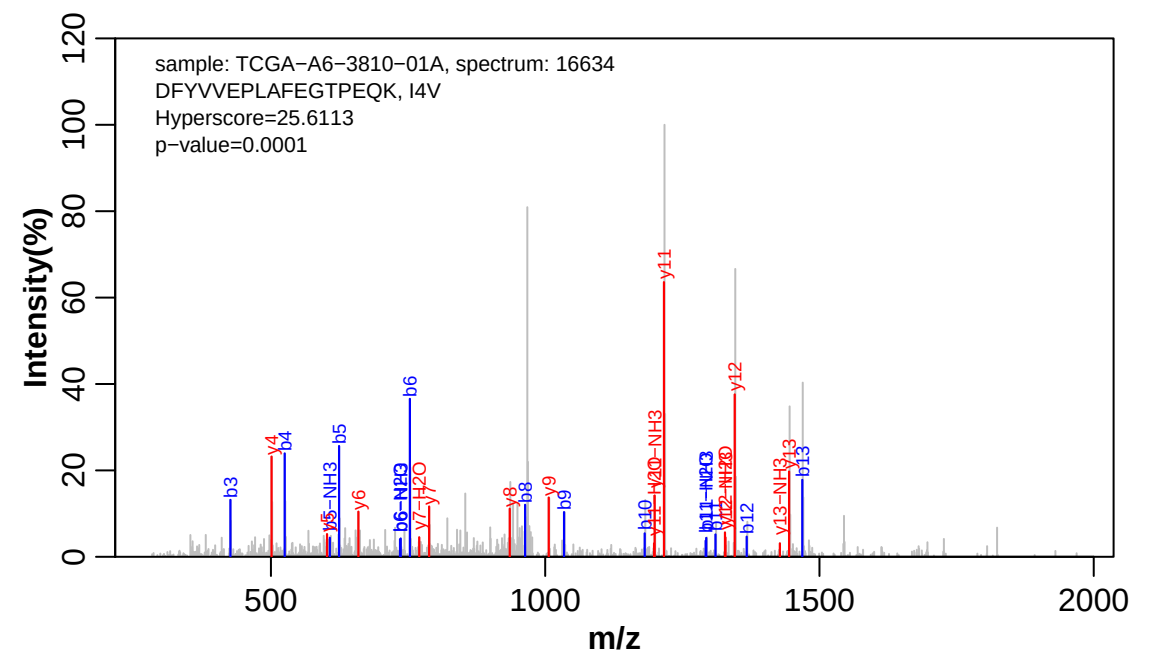

sample: TCGA−A6−3810−01A, spectrum: 10080
AGVETTTPSK, K7T
Hyperscore=25.9253
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7

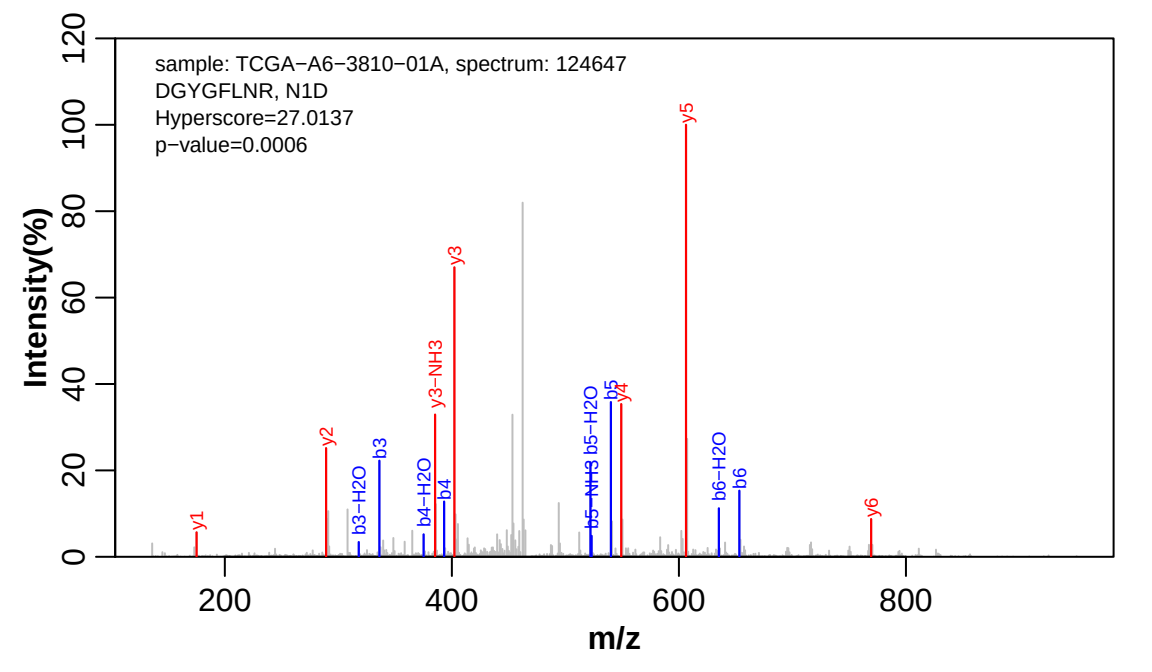

sample: TCGA−A6−3810−01A, spectrum: 36173
ALEDVFDALEGK, M5V
Hyperscore=43.5838
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3−H2O
y3
b4
y4
y5−NH3
b5−H2O
b5
y6−H2O
y6
b6
y7
b7
b8
y8
y9−H2O
y9
y10−H2O
y10

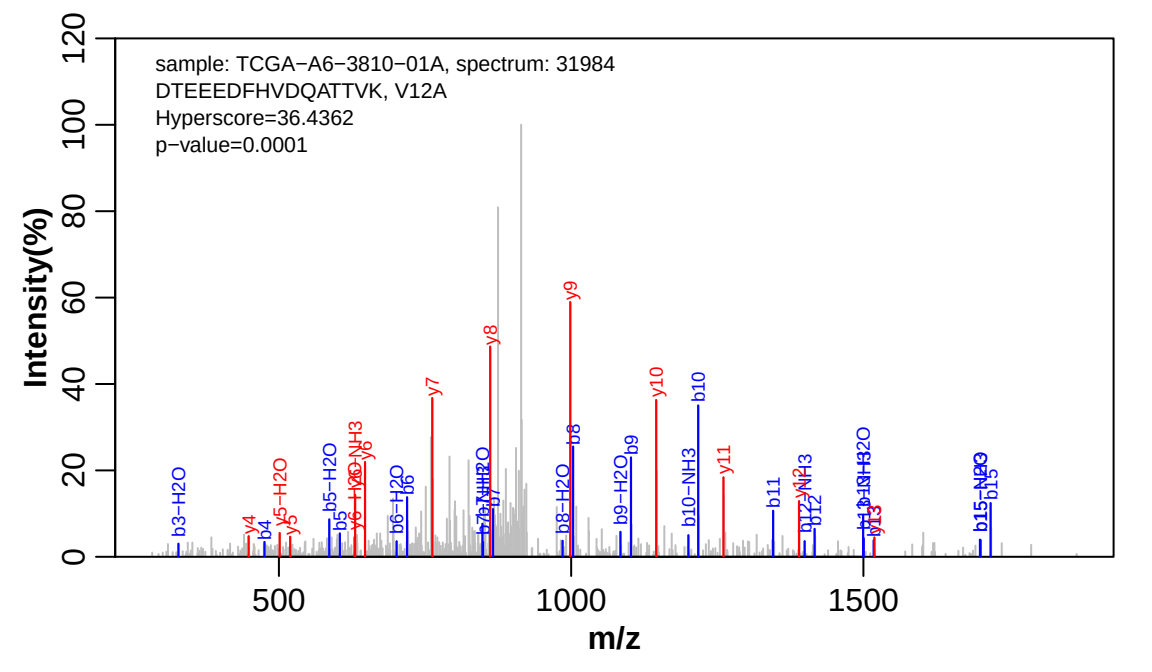

sample: TCGA−A6−3810−01A, spectrum: 80463
APPRPGPVPEAAQPFLFTTR, P19T
Hyperscore=32.9427
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b13++
y7
y7++
b8
b16++
b12++
b12
b13
y9

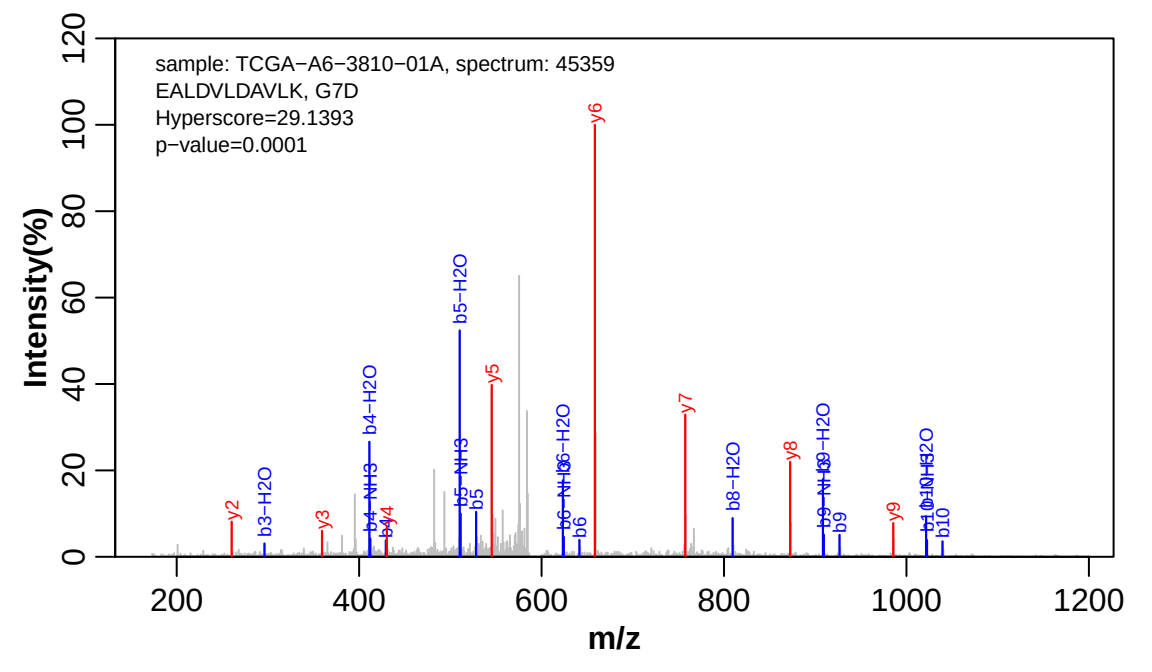

sample: TCGA−A6−3810−01A, spectrum: 136441
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=48.2647
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y8++
y14++
y14++−H2O
y13++
y8
b7
y12++
y2
b5
b5−H2O
y8++−H2O
y8++−NH3
b10++−NH3
b10−NH3
y9
b11
b11−H2O
y10

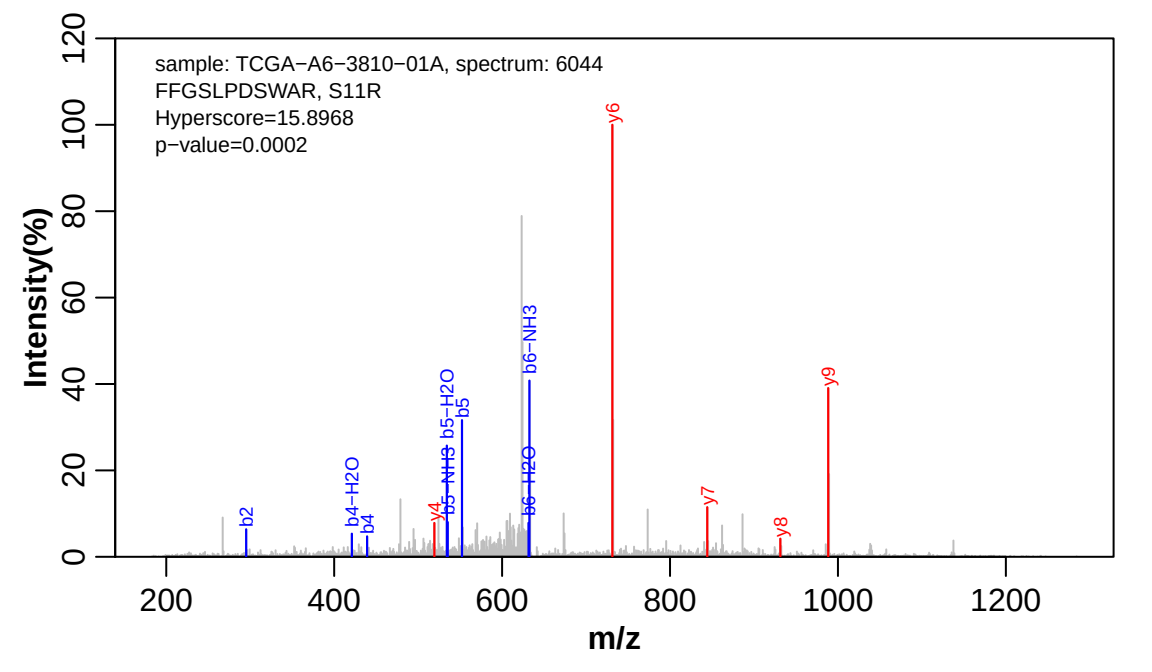

sample: TCGA−A6−3810−01A, spectrum: 100442
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.2373
p−value=0.0003
Intensity(%)
m/z
y9
b8
y10
b7
y11
b6
y12
b7−H2O
y15
y4
b5
y7
b8−NH3
0
20
40
60
80
100
120
500
1000
1500

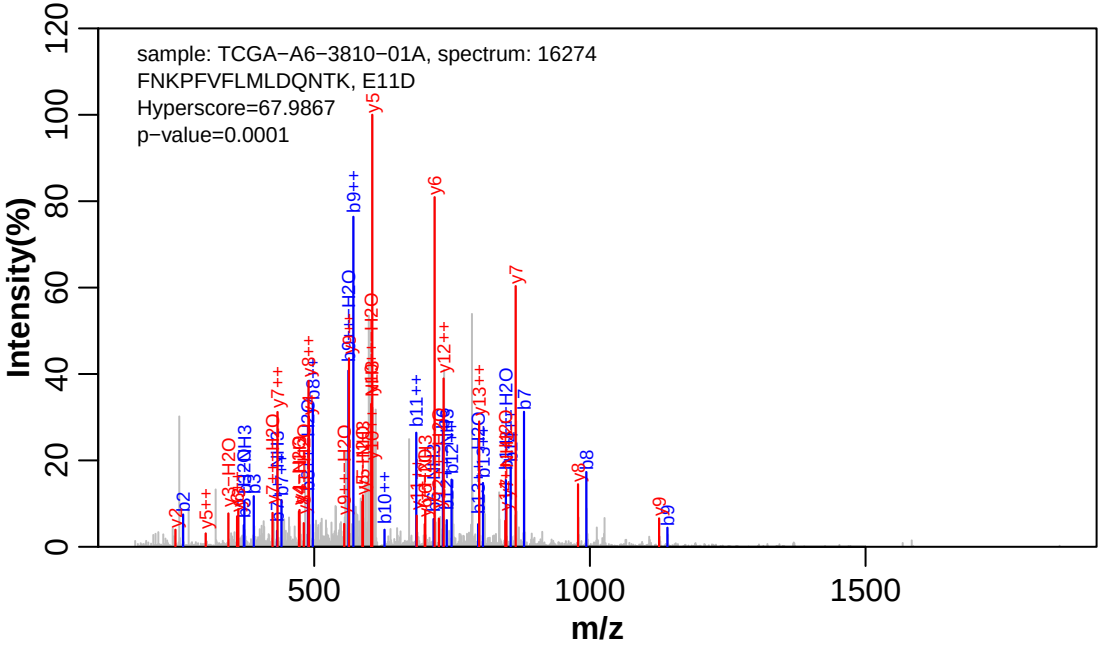

sample: TCGA−A6−3810−01A, spectrum: 16634
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=25.6113
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
b5
y5−NH3
y5
y6
b6
b6−NH3
b6−H2O
y7
y7−H2O
y8
b8
y9
b9
b10
y11
y11−H2O−NH3
b11−NH3
b11−H2O
y12−NH3
y12−H2O
y12
b12
y13−NH3
y13
b13

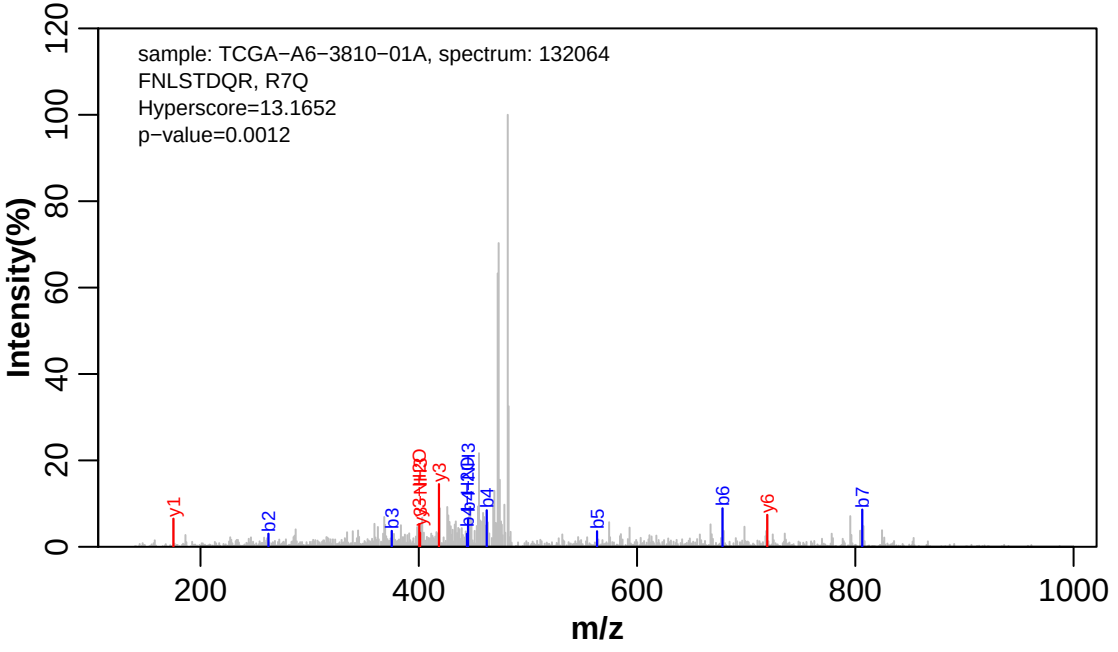

sample: TCGA−A6−3810−01A, spectrum: 124647
DGYGFLNR, N1D
Hyperscore=27.0137
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3
b3−H2O
b4−H2O
b4
y3
y3−NH3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
y6

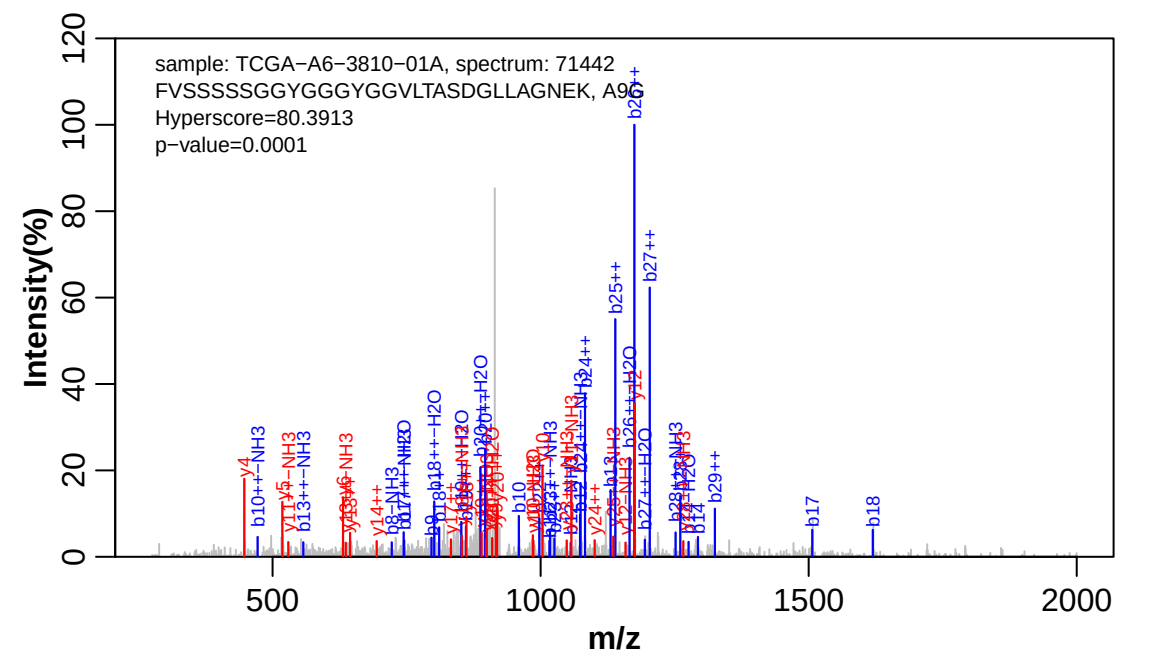

sample: TCGA−A6−3810−01A, spectrum: 31984
DTEEEDFHVDQATTVK, V12A
Hyperscore=36.4362
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y4
b4
y5
y5−H2O
b5
b5−H2O
y6
y6−NH3
b6
b6−H2O
y7
b7
b7−NH3
b7−H2O
y8
b8
b8−H2O
y9
b9
b9−H2O
y10
b10
b10−NH3
y11
b11
y12
b12
b12−NH3
b13−NH3
b13−H2O
y13
b15
b15−NH3
b15−H2O

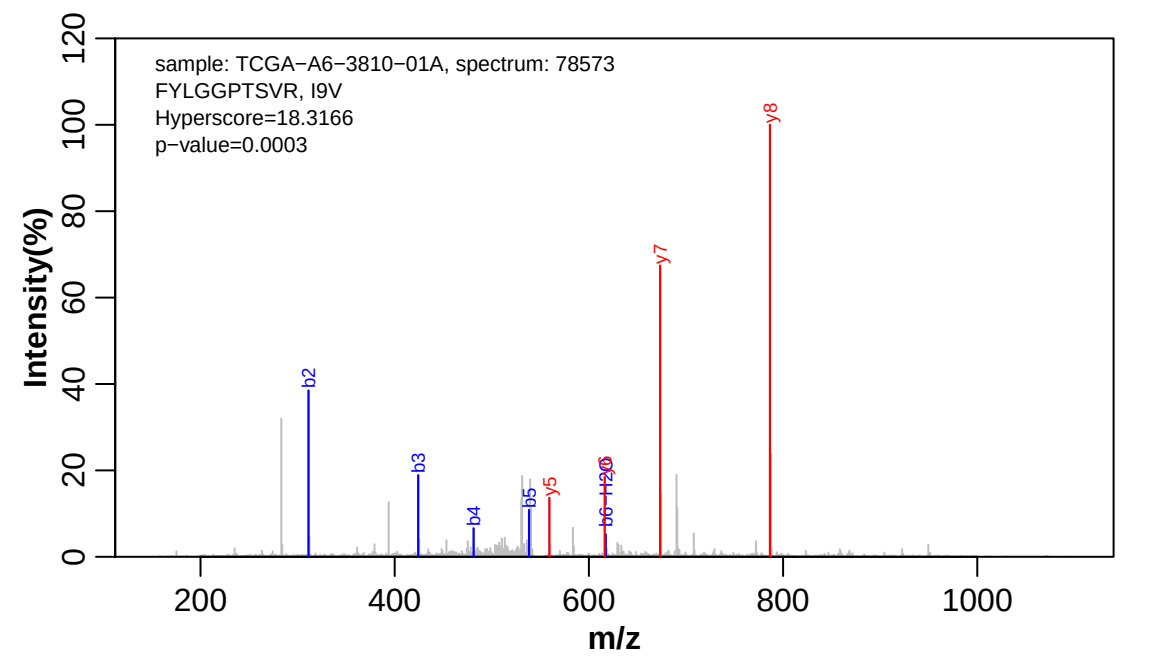

sample: TCGA−A6−3810−01A, spectrum: 45359
EALDVLDAVLK, G7D
Hyperscore=29.1393
p−value=0.0001
Intensity(%)
m/z
y6
y7
y5
y8
y9
y2
y3
b5−H2O
b4−H2O
b8−H2O
b6−H2O
b9−H2O
b5−NH3
b4−NH3
b5
b4
b6
b9
b10
0
20
40
60
80
100
120
200
400
600
800
1000
1200

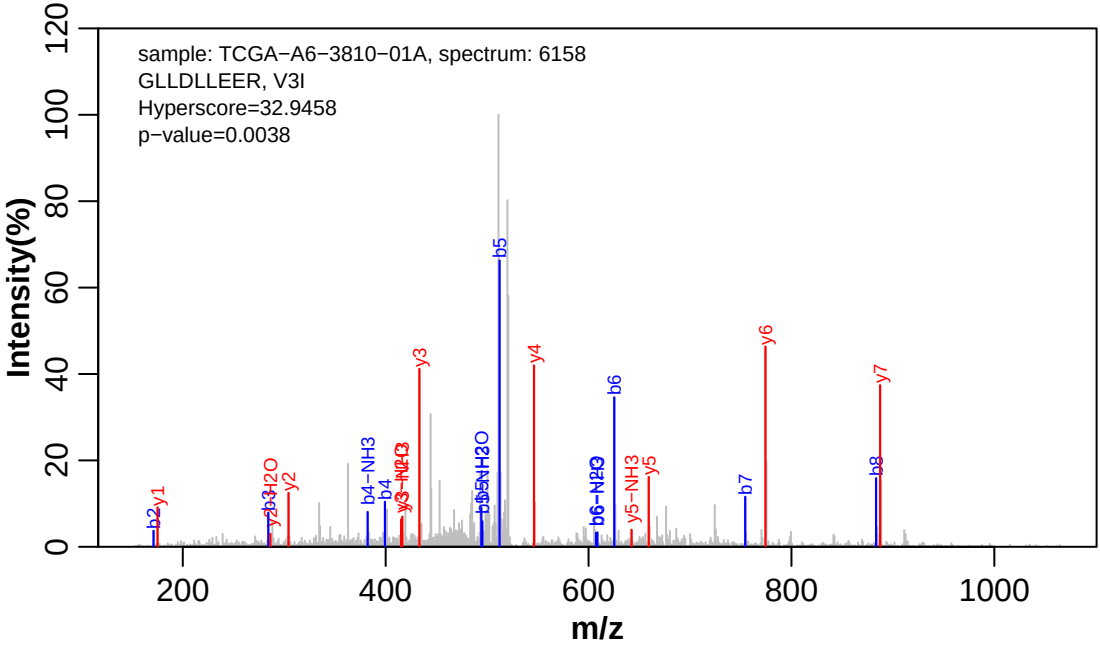

sample: TCGA−A6−3810−01A, spectrum: 6044
FFGSLPDSWAR, S11R
Hyperscore=15.8968
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
b6−H2O
y6
y7
y8
y9

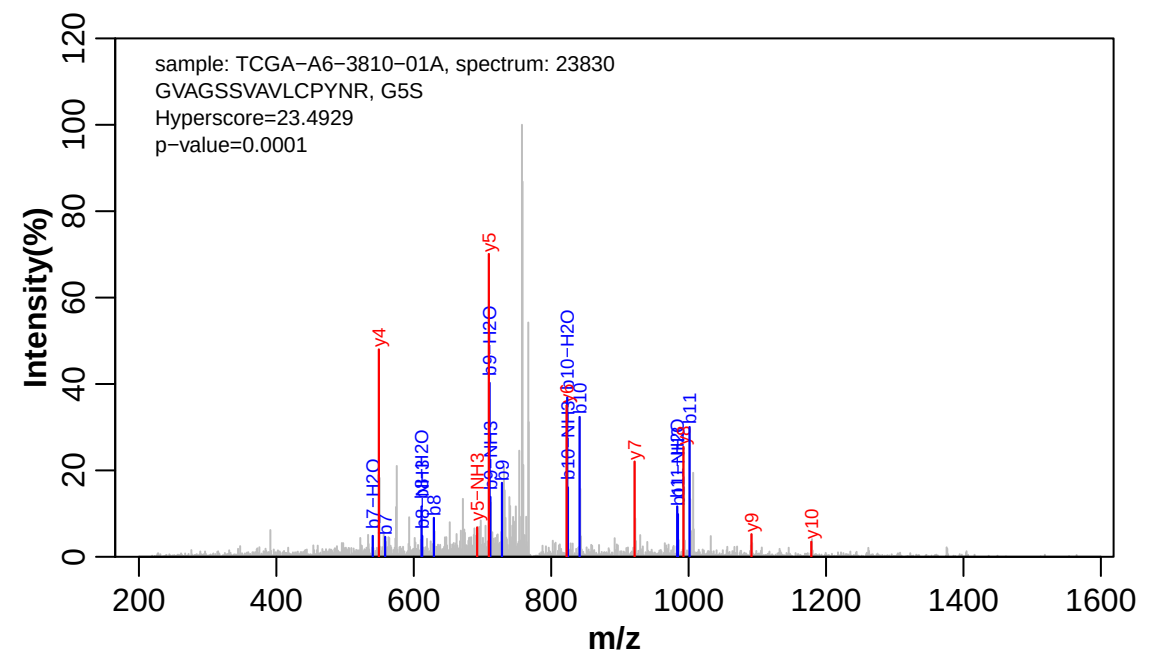

sample: TCGA−A6−3810−01A, spectrum: 16274
FNKPFVFLMLDQNTK, E11D
Hyperscore=67.9867
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
b9++
y6
y7
y12++
b11++
b10++
b7
y8
b8
y9
b9
y2
b2
y5++
y3−H2O
y3
b3
y7++
b8++
y8++
b9++−H2O
y9++−H2O
b10++−H2O
b12++
y13++
b12++−H2O

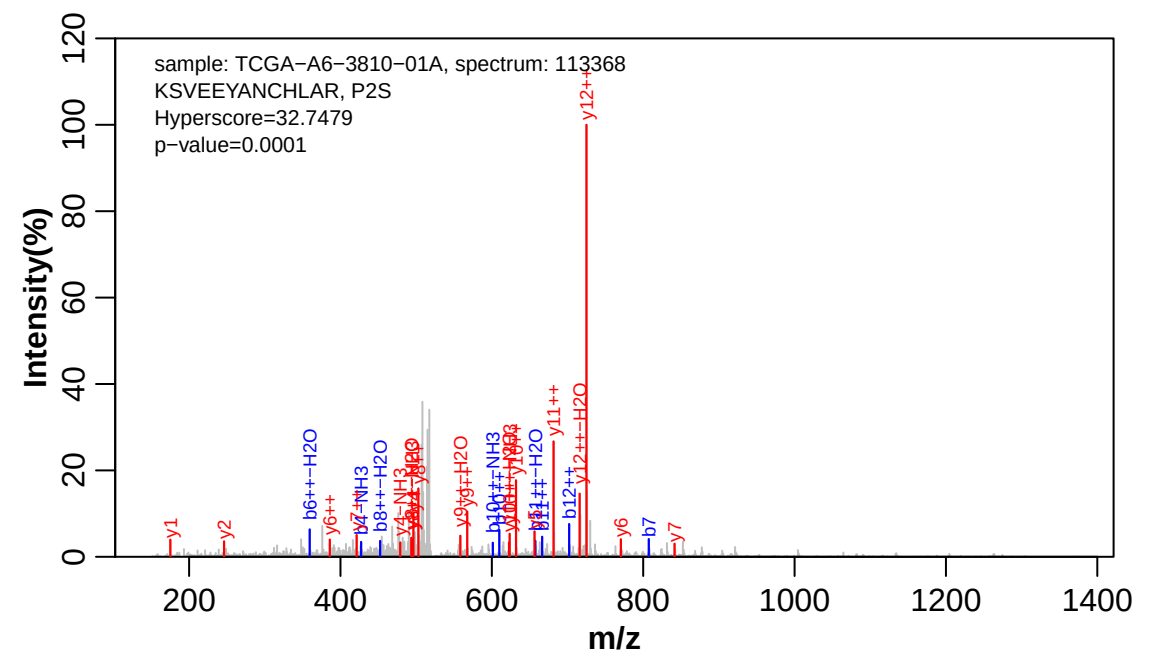

sample: TCGA−A6−3810−01A, spectrum: 132064
FNLSTDQR, R7Q
Hyperscore=13.1652
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y3
b4
b5
b6
y6
b7

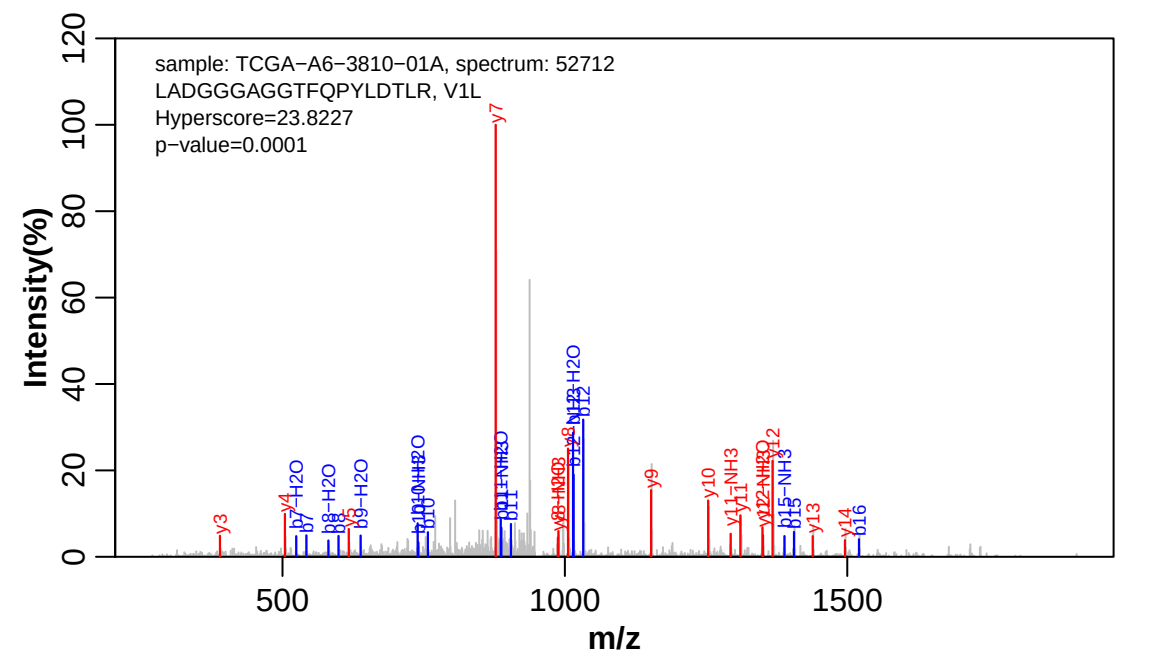

sample: TCGA−A6−3810−01A, spectrum: 71442
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=80.3913
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b26++
b27++
b25++
b24++
b17
b18
b29++
y4
b10++−NH3
y11++−NH3
b13++−NH3
y14++
b17++−H2O
b18++−H2O
b10
y24++
y12−NH3
b26++−H2O
y12
b27++−H2O
b14

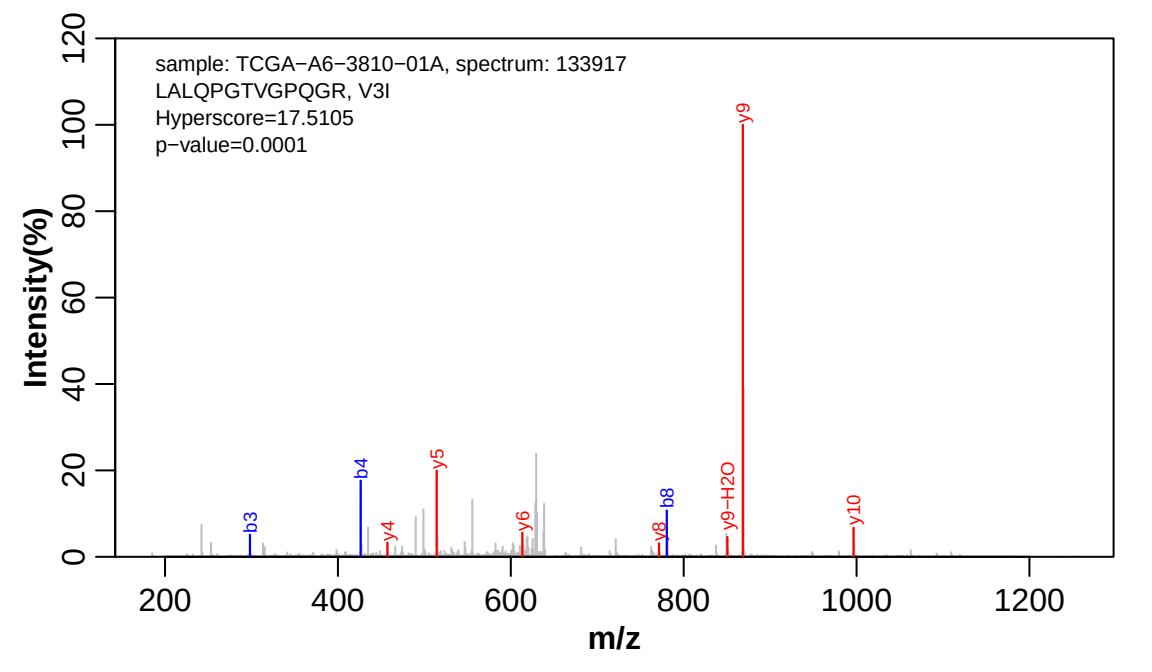

sample: TCGA−A6−3810−01A, spectrum: 78573
FYLGGPTSVR, I9V
Hyperscore=18.3166
p−value=0.0003
Intensity(%)
m/z
b2
b3
b4
b5
y5
y7
y8

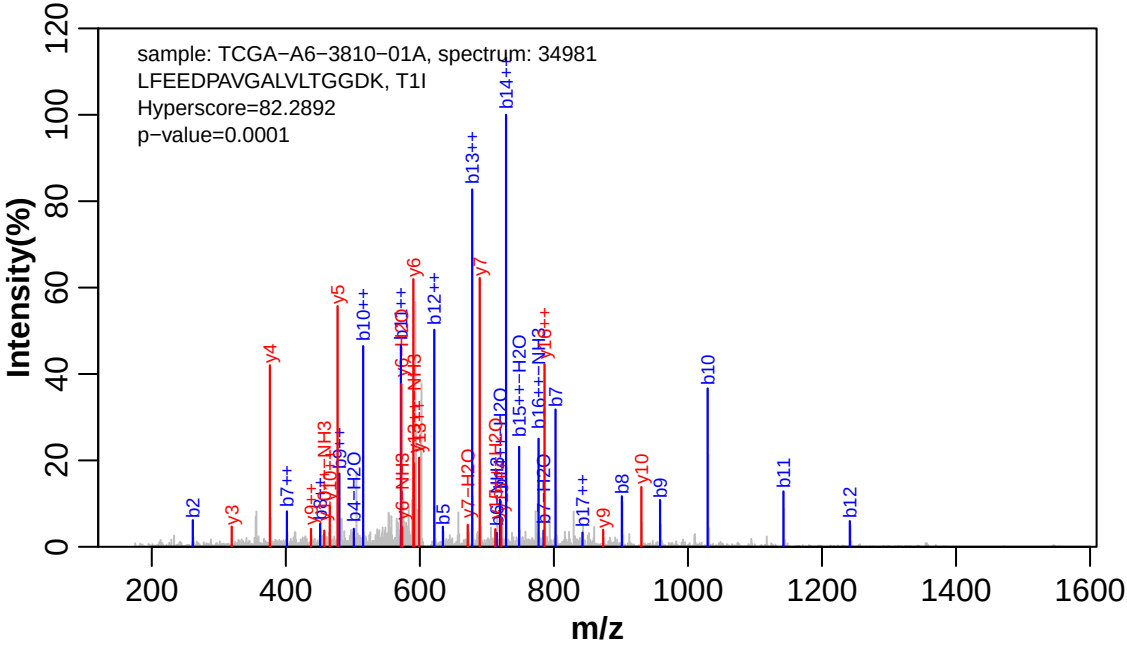

sample: TCGA−A6−3810−01A, spectrum: 6158
GLLDLLEER, V3I
Hyperscore=32.9458
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
y2
b4−NH3
b4
y3
b5
y4
b6
y5−NH3
y5
y6
b7
y7
b8

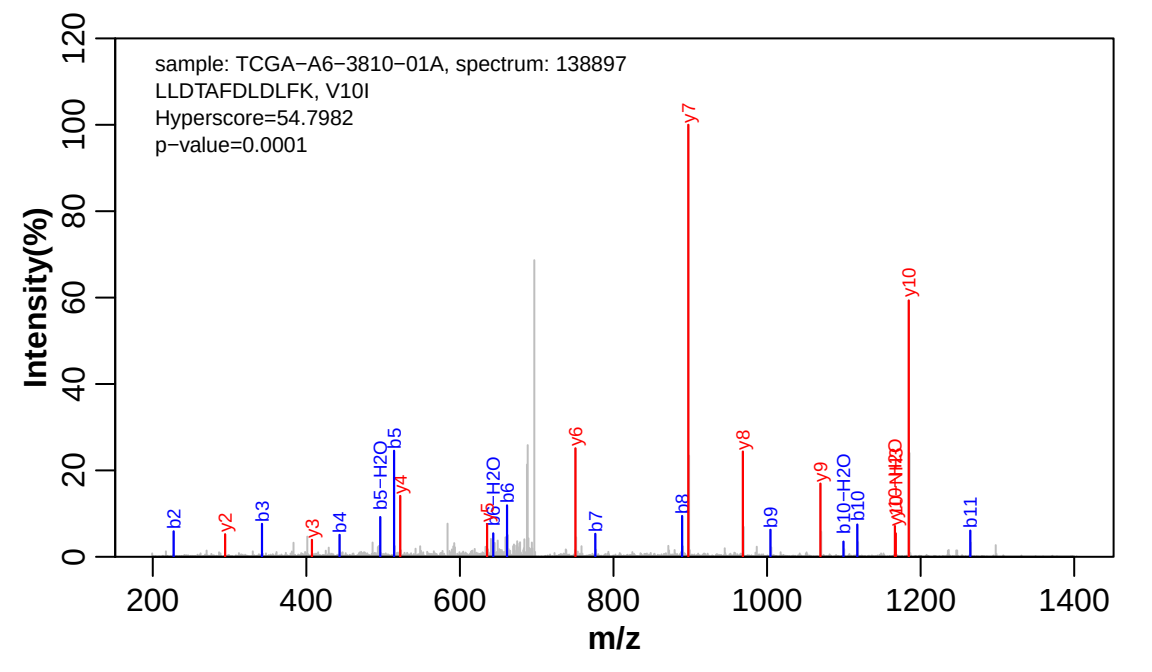

sample: TCGA−A6−3810−01A, spectrum: 23830
GVAGSSVAVLCPYNR, G5S
Hyperscore=23.4929
p−value=0.0001
Intensity(%)
m/z
y4
y5
b7−H2O
b7
b8−NH3
b8−H2O
b8
y5−NH3
b9−H2O
b9−NH3
b9
b10−NH3
b10−H2O
b10
y7
b11
b11−NH3
b11−H2O
y9
y10

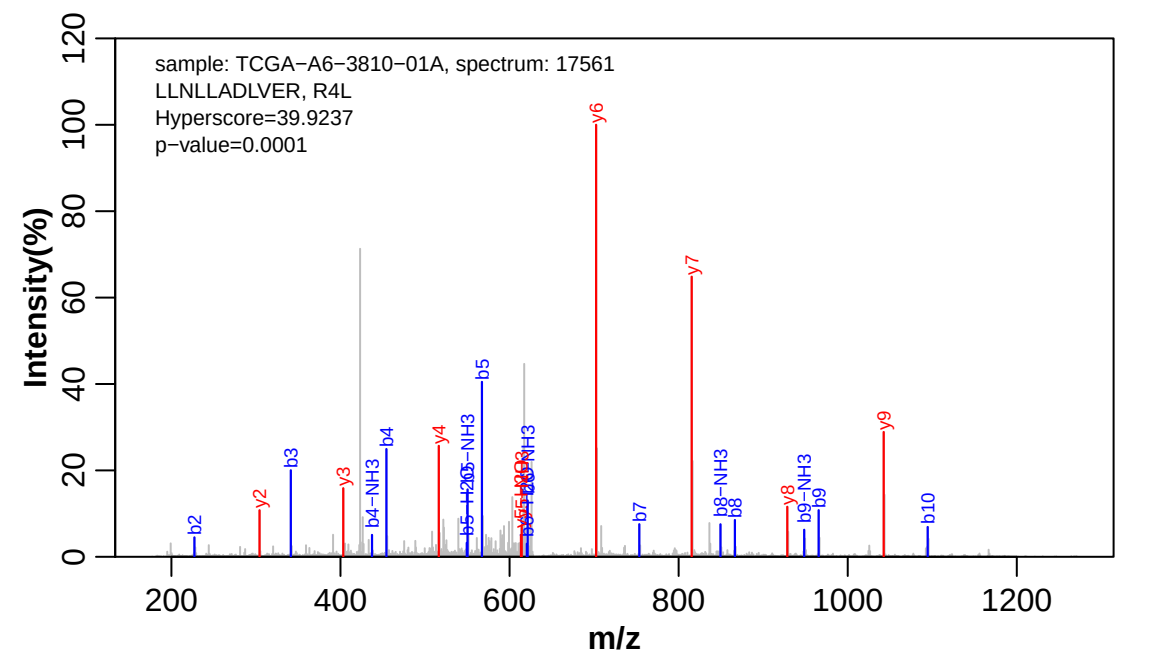

sample: TCGA−A6−3810−01A, spectrum: 113368
KSVEEYANCHLAR, P2S
Hyperscore=32.7479
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y1
y2
b6++−H2O
y6++
y7−NH3
b8++−H2O
y4−NH3
y8−NH3
y9++H2O
b10++−NH3
y11++
b11++−H2O
b12++
y12++−H2O
y12++
y6
b7
y7

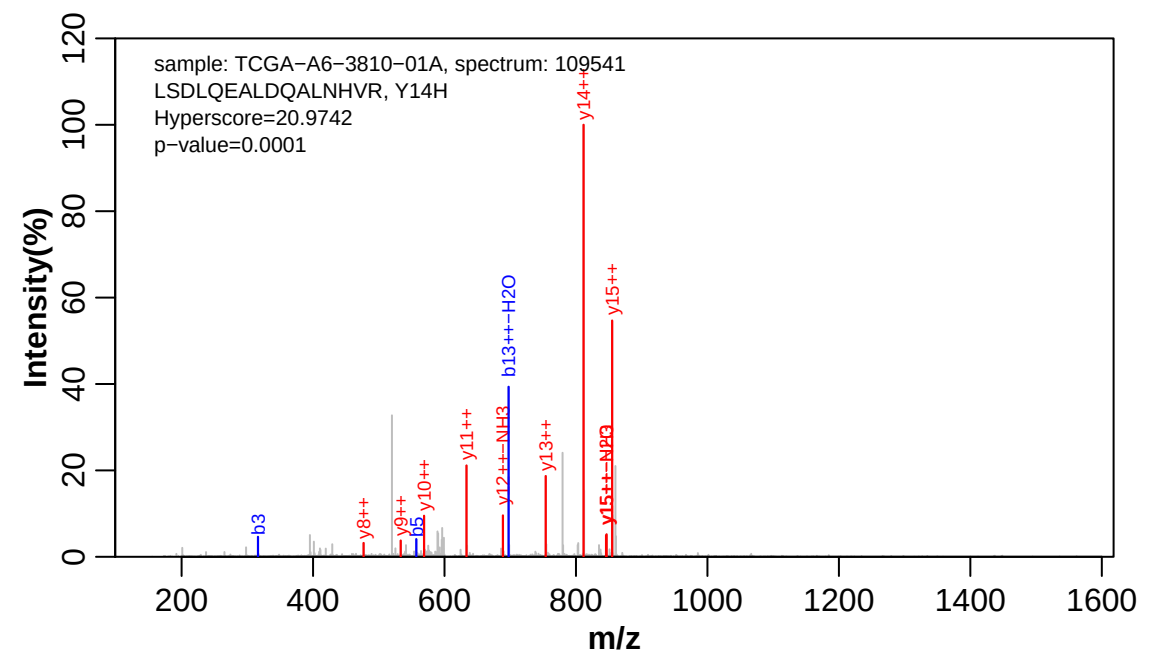

sample: TCGA−A6−3810−01A, spectrum: 52712
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=23.8227
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y7
y9
y10
y13
y14
b16
y3
y4
b7−H2O
b8−H2O
b9−H2O
b12−H2O
y11−NH3
b15−NH3

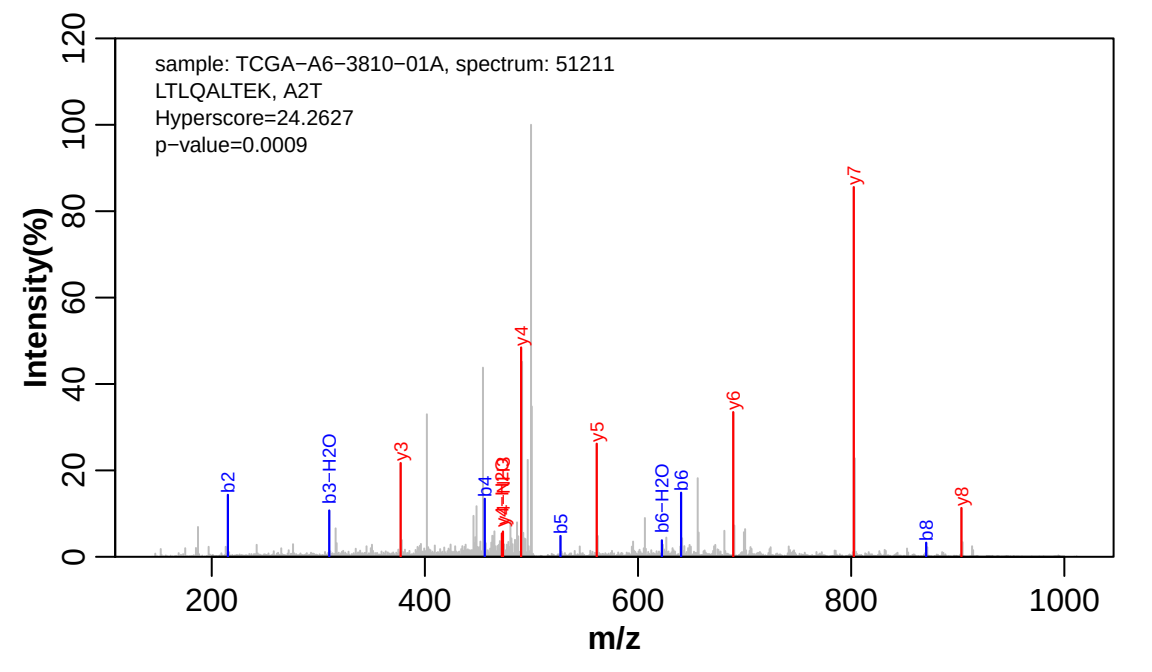

sample: TCGA−A6−3810−01A, spectrum: 133917
LALQPGTVGPQGR, V3I
Hyperscore=17.5105
p−value=0.0001
Intensity(%)
m/z
b3
b4
y4
y5
y6
b8
y8
y9−H2O
y9
y10

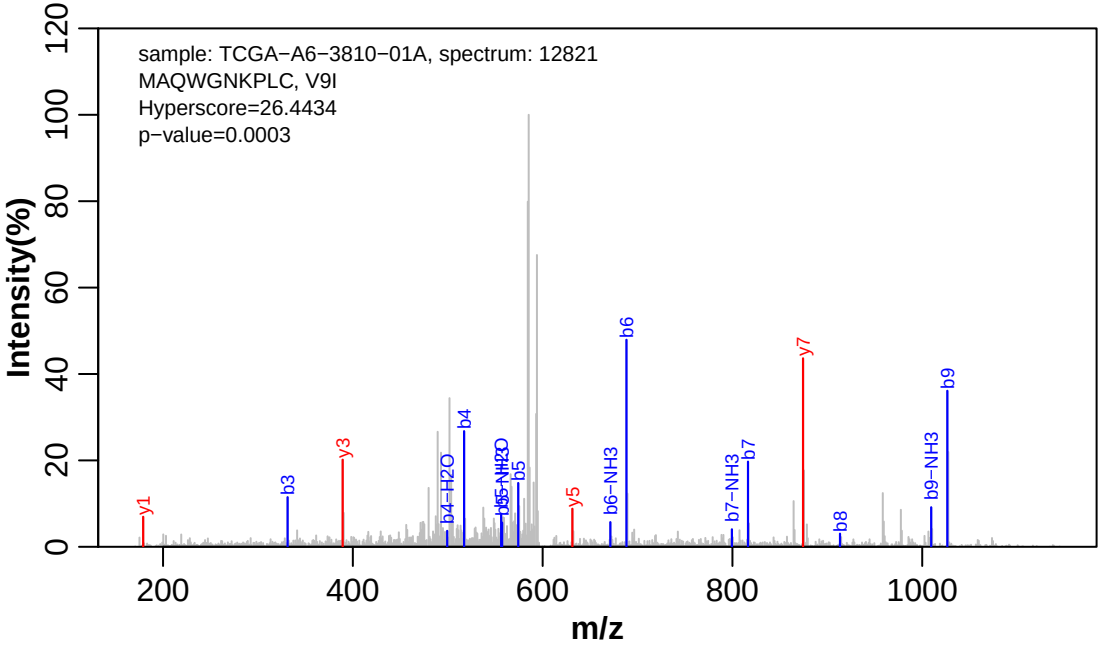

sample: TCGA−A6−3810−01A, spectrum: 34981
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=82.2892
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y4
b7++
y5
b10++
b4−H2O
b5
y7−H2O
b13++
y7
b14++
b12++
b15++−H2O
b16++−NH3
b7
b17++
y9
b8
y10
b9
b10
b11
b12

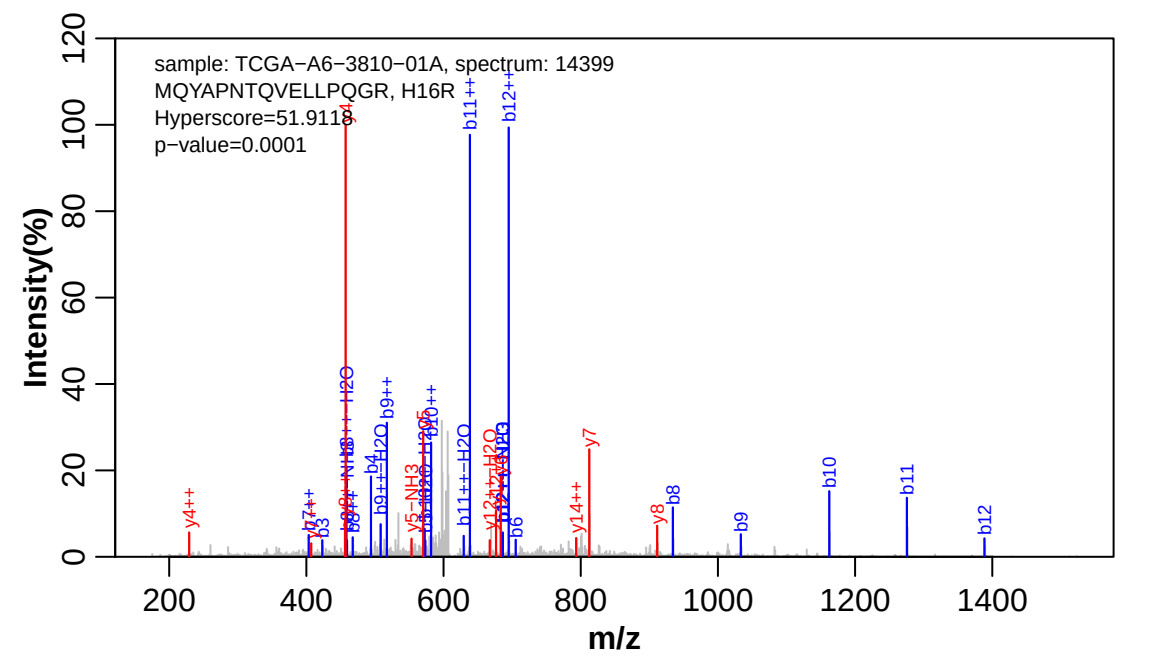

sample: TCGA−A6−3810−01A, spectrum: 138897
LLDTAFDLDLFK, V10I
Hyperscore=54.7982
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
b5−H2O
b5
y4
y5
b6−H2O
b6
y6
b7
b8
y7
y8
b9
y9
b10−H2O
b10
y10−NH3
y10
b11

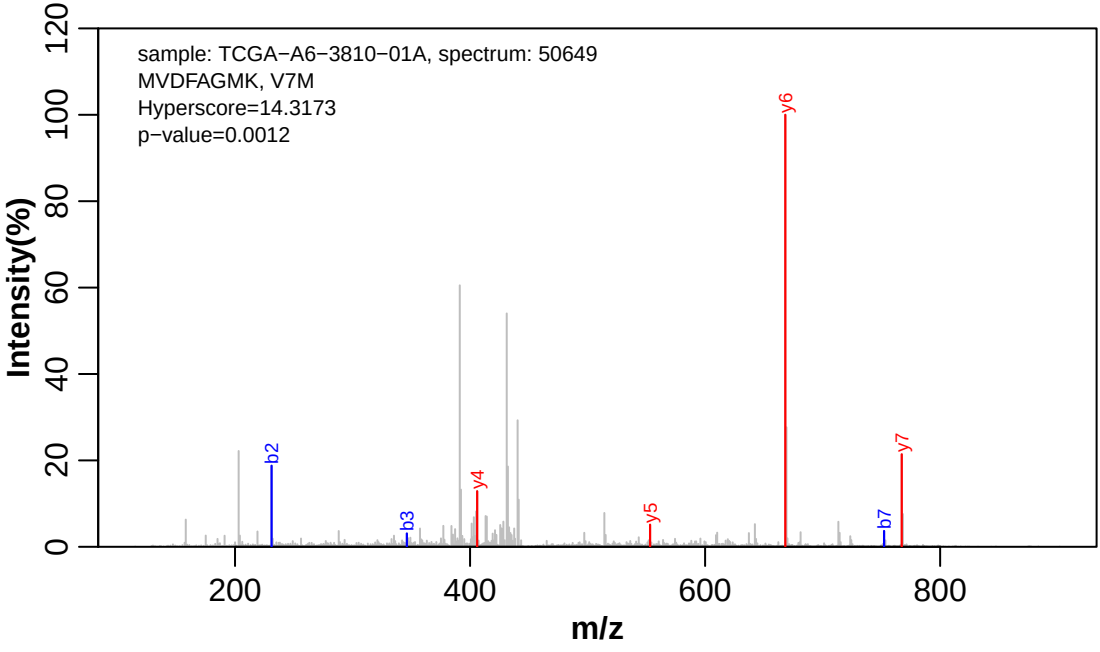

sample: TCGA−A6−3810−01A, spectrum: 17561
LLNLLADLVER, R4L
Hyperscore=39.9237
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

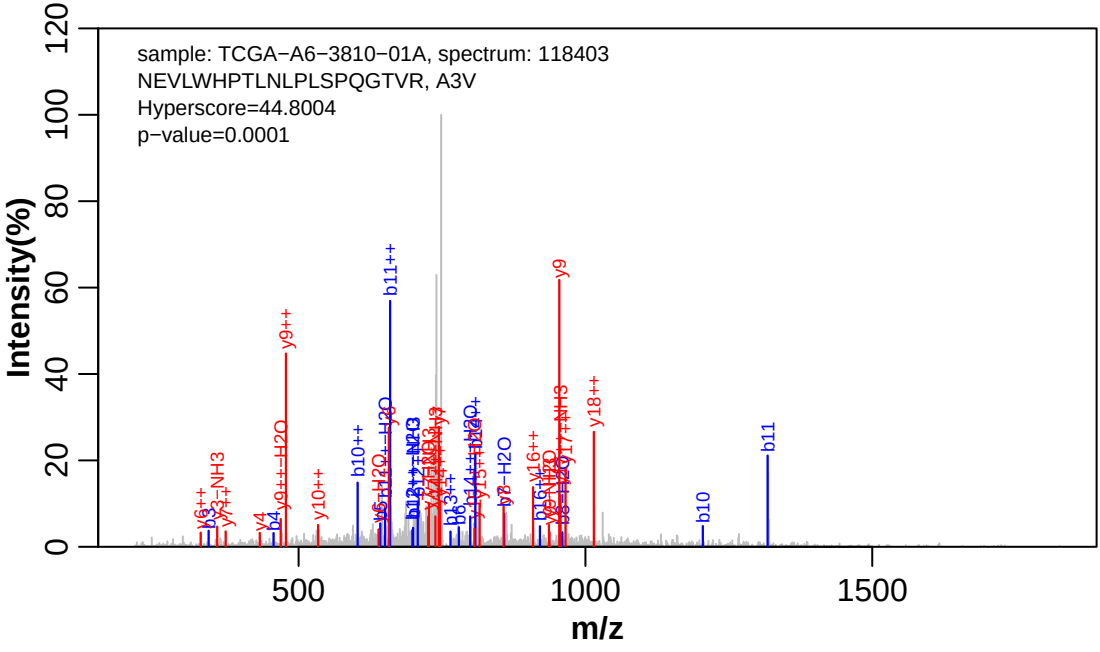

sample: TCGA−A6−3810−01A, spectrum: 109541
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.9742
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y8++
y9++
b5
y10++
y11++
y12++−NH3
b13++−H2O
y13++
y14++
y15++
y15++−NH3

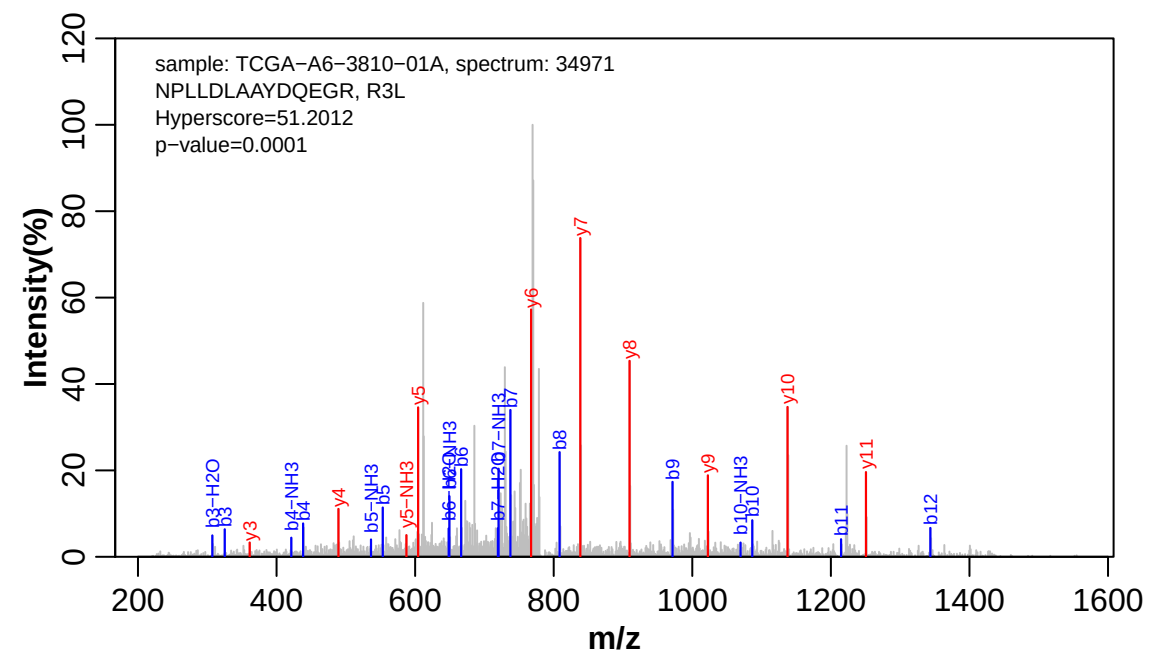

sample: TCGA−A6−3810−01A, spectrum: 51211
LTLQALTEK, A2T
Hyperscore=24.2627
p−value=0.0009
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3−H2O
y3
b4
y4−NH3
y4
b5
y5
b6−H2O
b6
y6
y7
b8
y8

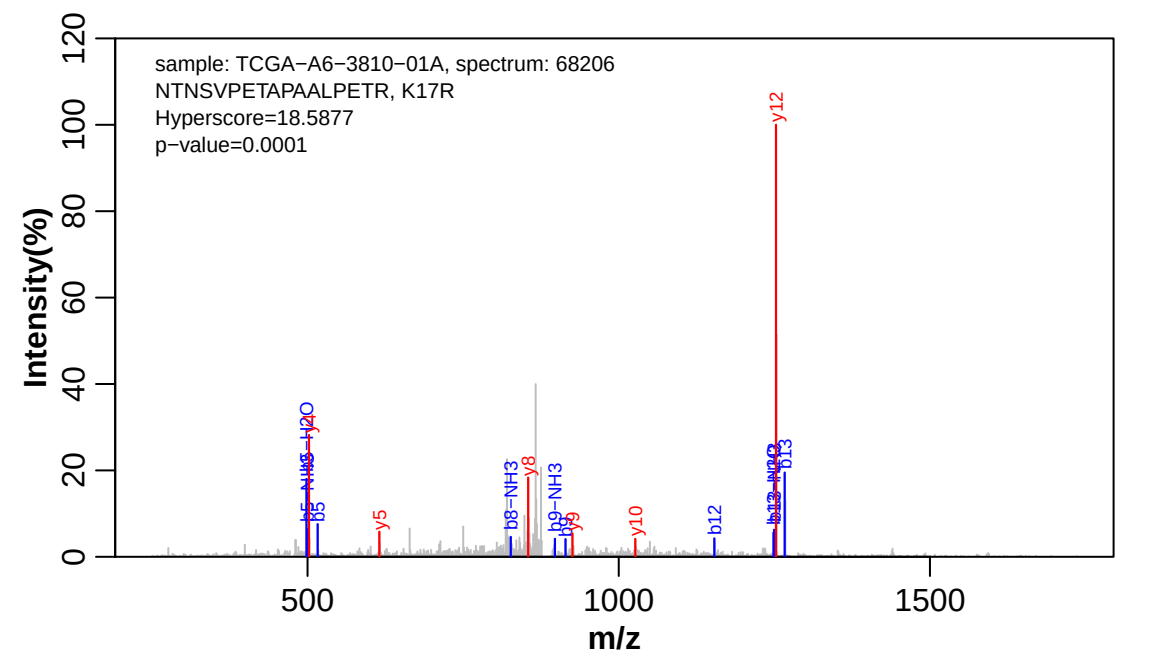

sample: TCGA−A6−3810−01A, spectrum: 12821
MAQWGNKPLC, V9I
Hyperscore=26.4434
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y1
b3
y3
b4−H2O
b4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6
b7−NH3
b7
y7
b8
b9−NH3
b9

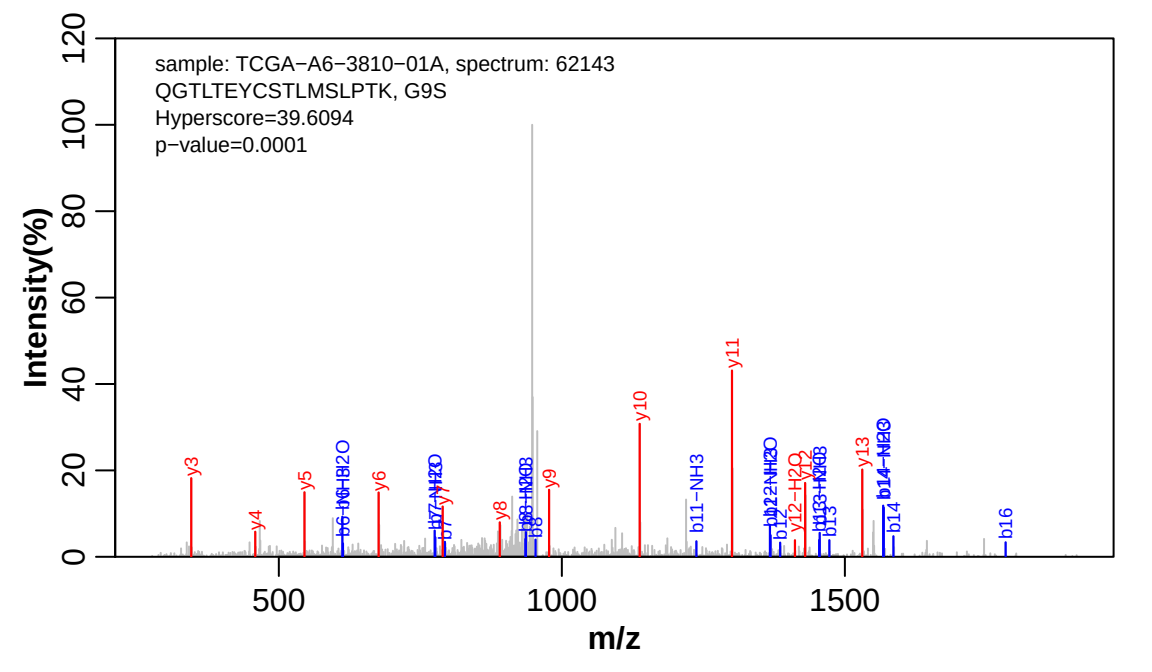

sample: TCGA−A6−3810−01A, spectrum: 14399
MQYAPNTQVELLPQGR, H16R
Hyperscore=51.9118
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4++
y7++
b3
y4
b4
b9++−H2O
b9++
y5−NH3
b10++
b11++−H2O
b11++
b12++
y7
y14++
y8
b8
b9
b10
b11
b12

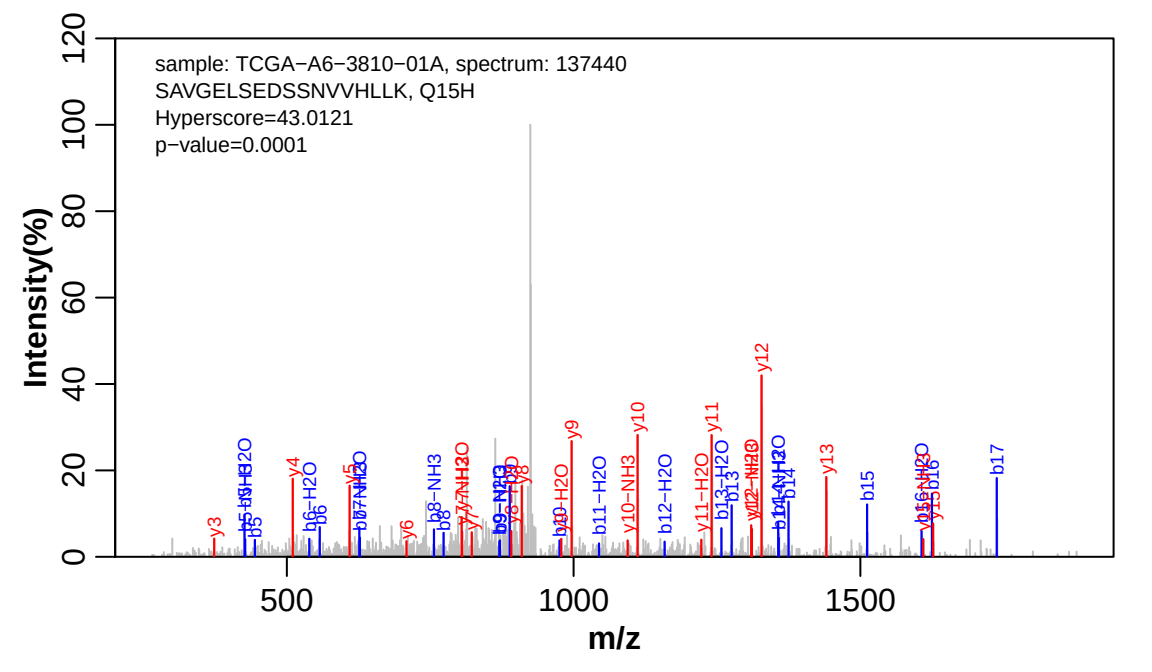

sample: TCGA−A6−3810−01A, spectrum: 50649
MVDFAGMK, V7M
Hyperscore=14.3173
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y4
y5
y6
b7
y7

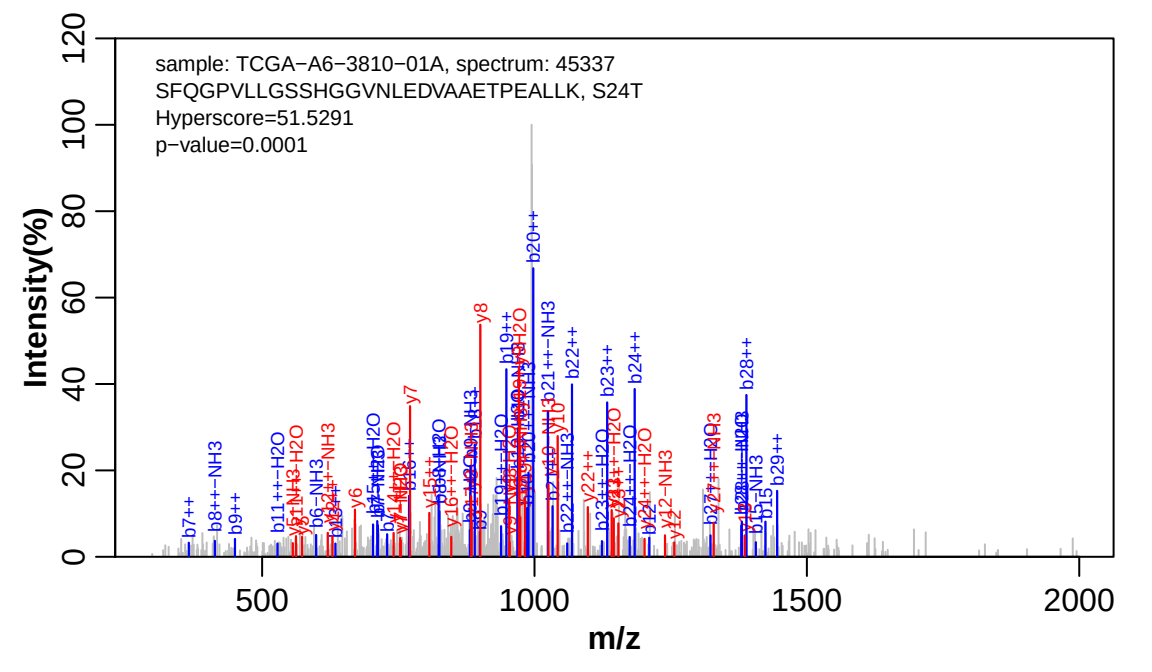

sample: TCGA−A6−3810−01A, spectrum: 118403
NEVLWHPTLNLPLSPQGTVR, A3V
Hyperscore=44.8004
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y9++
b11++
y9
y18++
b11
b10
y10++
b10++
y8−H2O
b10−H2O
y16++
y8−NH3
y7−NH3
b3−NH3
y7++
b3++
y4
b4
y9++−H2O
y8++−H2O
y15++−H2O
b4++−H2O
y8−H2O
y17++−NH3

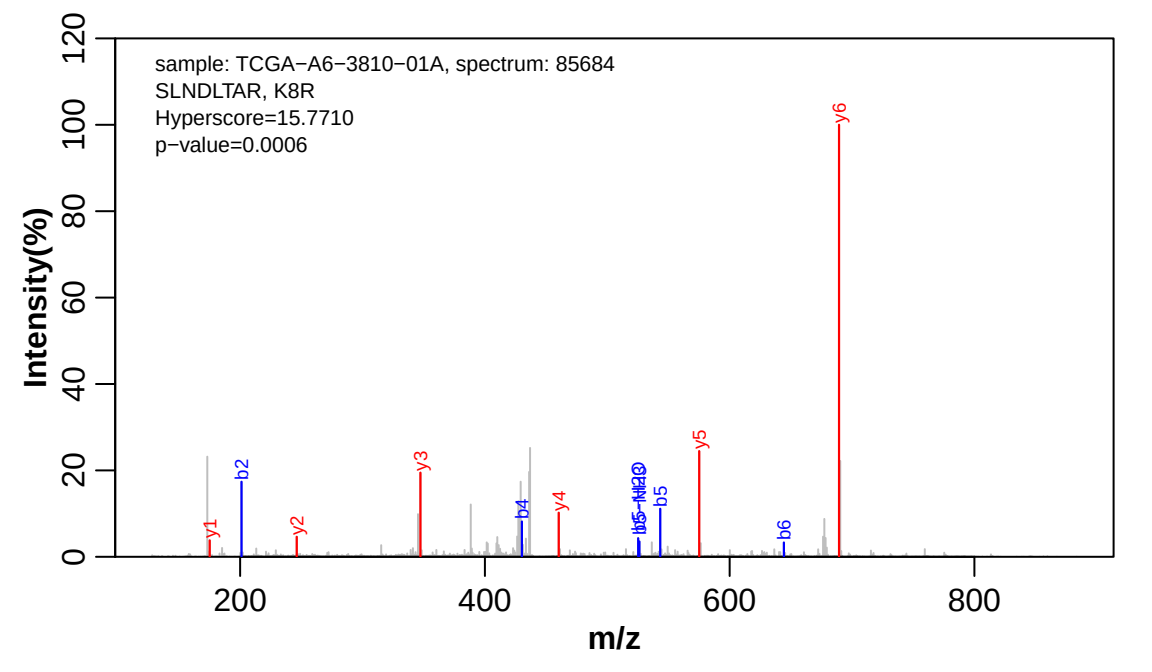

sample: TCGA−A6−3810−01A, spectrum: 34971
NPLLDLAAYDQEGR, R3L
Hyperscore=51.2012
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
y5
b6−H2O−NH3
b6
b7−H2O−NH3
b7
y6
y7
b8
y8
b9
y9
b10−NH3
b10
y10
b11
y11
b12

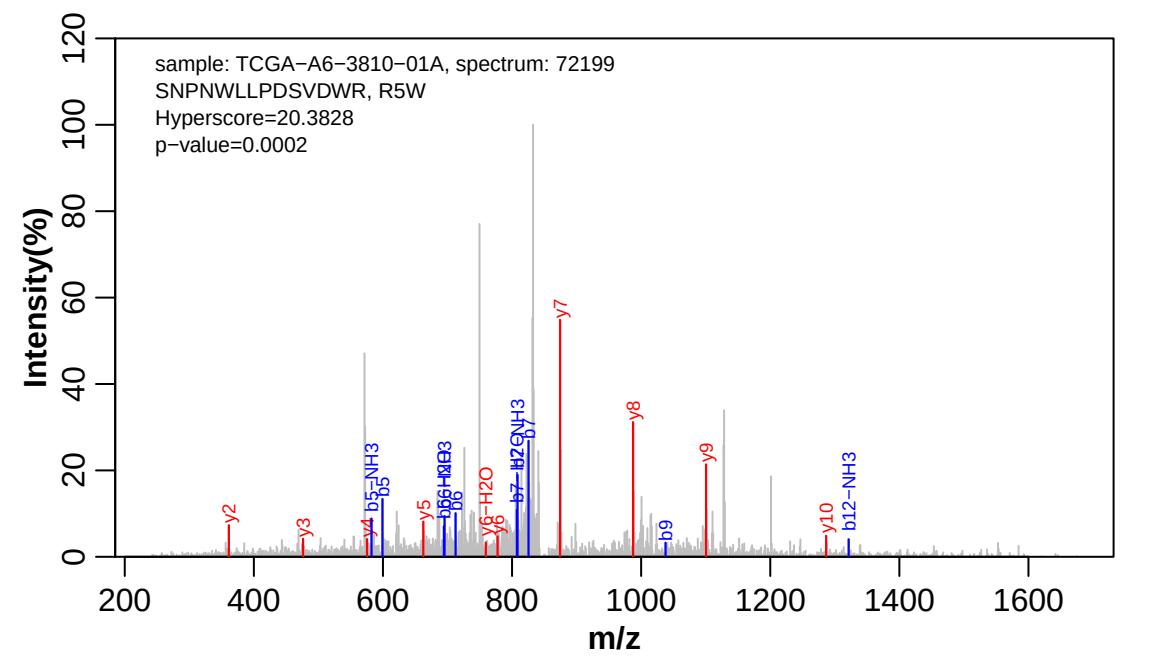

sample: TCGA−A6−3810−01A, spectrum: 68206
NTNSVPETAPAALPETR, K17R
Hyperscore=18.5877
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
b13
y8
b8−NH3
b9−NH3
y10
b12
y5
b5

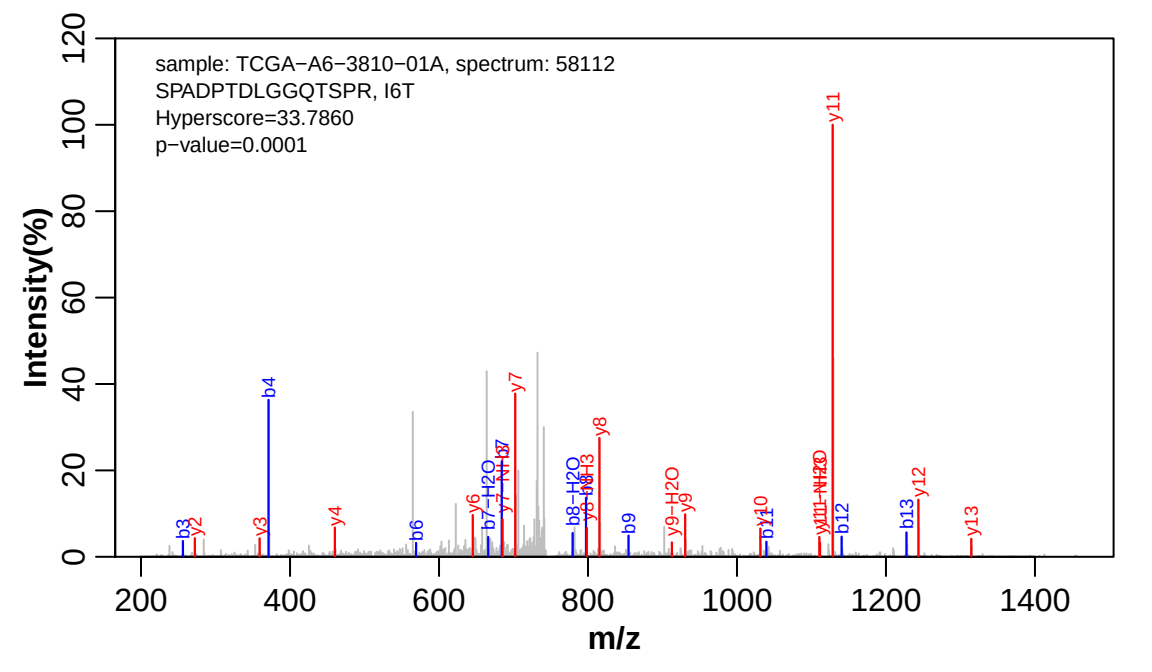

sample: TCGA−A6−3810−01A, spectrum: 62143
QGTLTEYCSTLMSLPTK, G9S
Hyperscore=39.6094
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
y6
y8
y9
y10
y11
y12−H2O
y13
b11−NH3
b14
b16

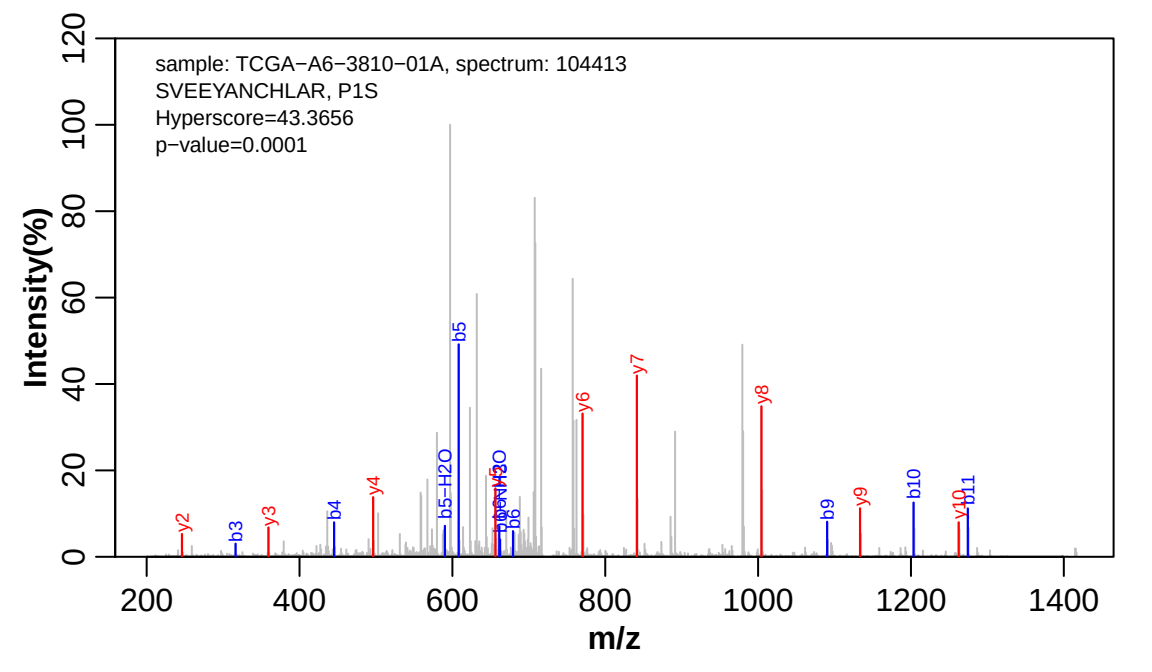

sample: TCGA−A6−3810−01A, spectrum: 137440
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=43.0121
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
y6
y8
y9
y10
y11
y12
y13
b5
b6
b8
b10
b11
b12
b13
b14
b15
b17
b5−H2O
b6−H2O
b8−NH3
y5−H2O
y10−NH3
y11−H2O
b11−H2O
b12−H2O
b13−H2O
b14−NH3
b16−H2O

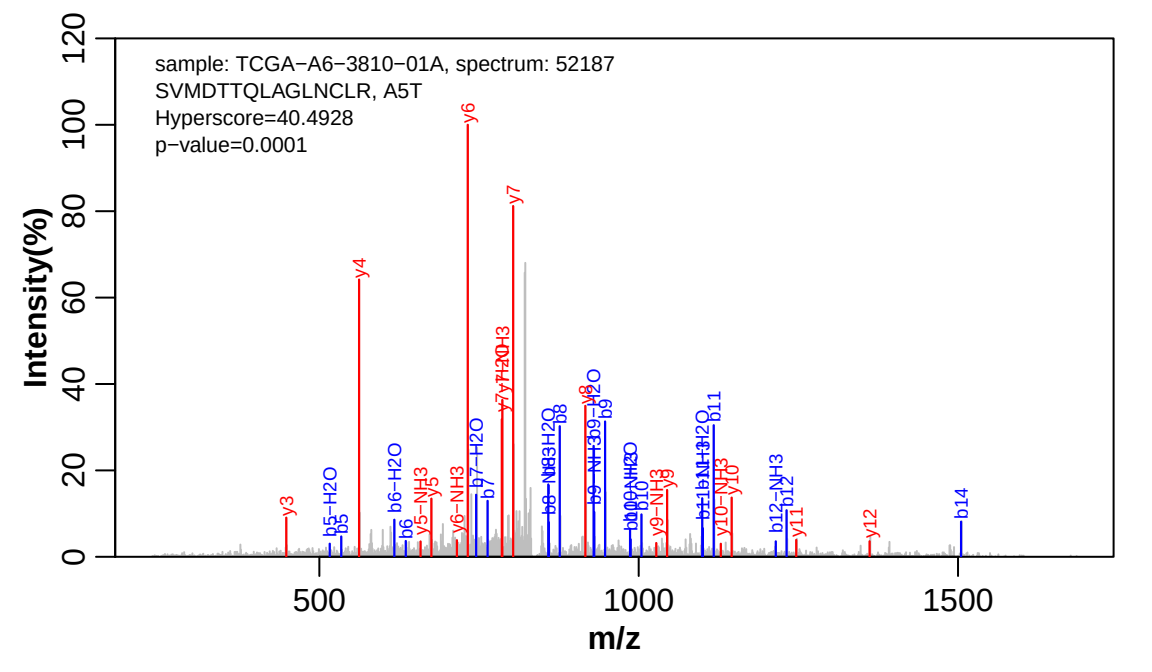

sample: TCGA−A6−3810−01A, spectrum: 45337
SFQGPVLLGSSHGGVNLEDVAAETPEALLK, S24T
Hyperscore=51.5291
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b7++
b8++−NH3
b9++
b11++−H2O
b6−NH3
y6
b20++
y8
y7
b22++
b23++
b24++
b28++
b29++

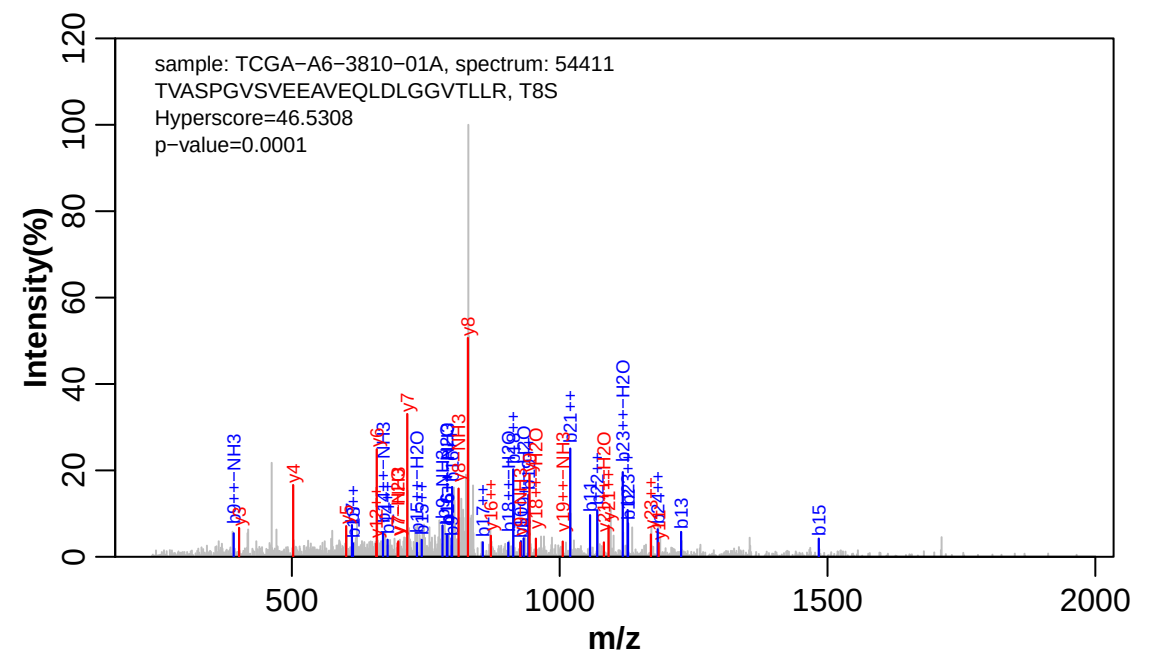

sample: TCGA−A6−3810−01A, spectrum: 85684
SLNDLTAR, K8R
Hyperscore=15.7710
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
y3
b4
y4
b5
y5
b6
y6

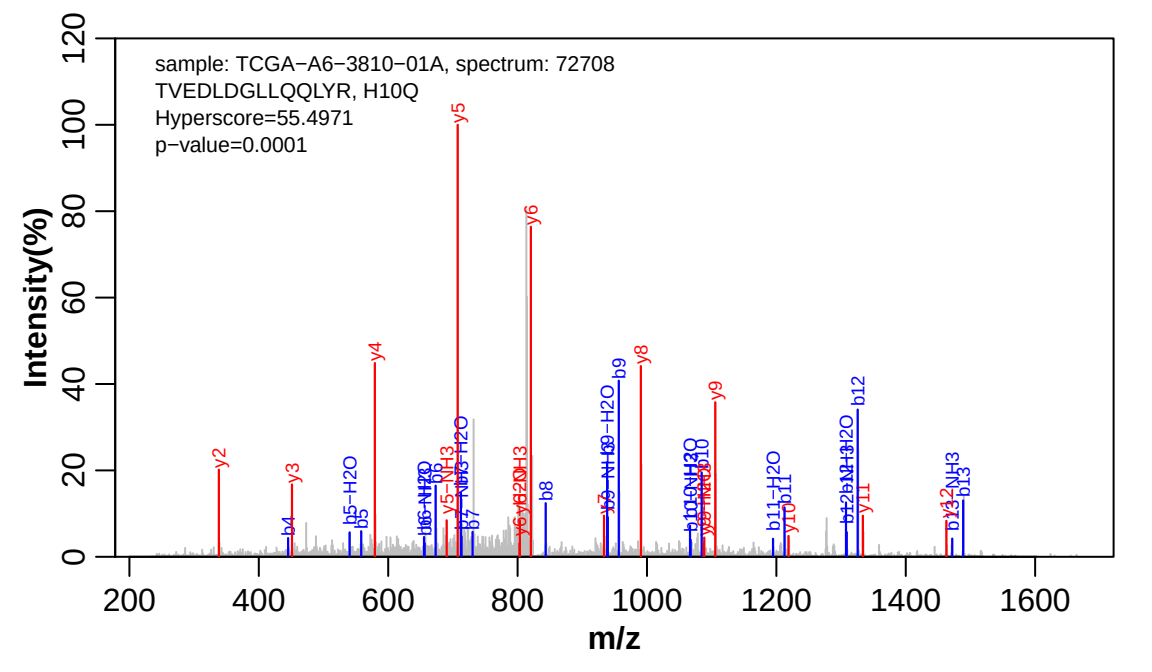

sample: TCGA−A6−3810−01A, spectrum: 72199
SNPNWLLPDSVDWR, R5W
Hyperscore=20.3828
p−value=0.0002
Intensity(%)
m/z
y2
y3
y4
b5−NH3
b5
y5
y6−H2O
y6
y7
y8
y9
b9
y10
b12−NH3

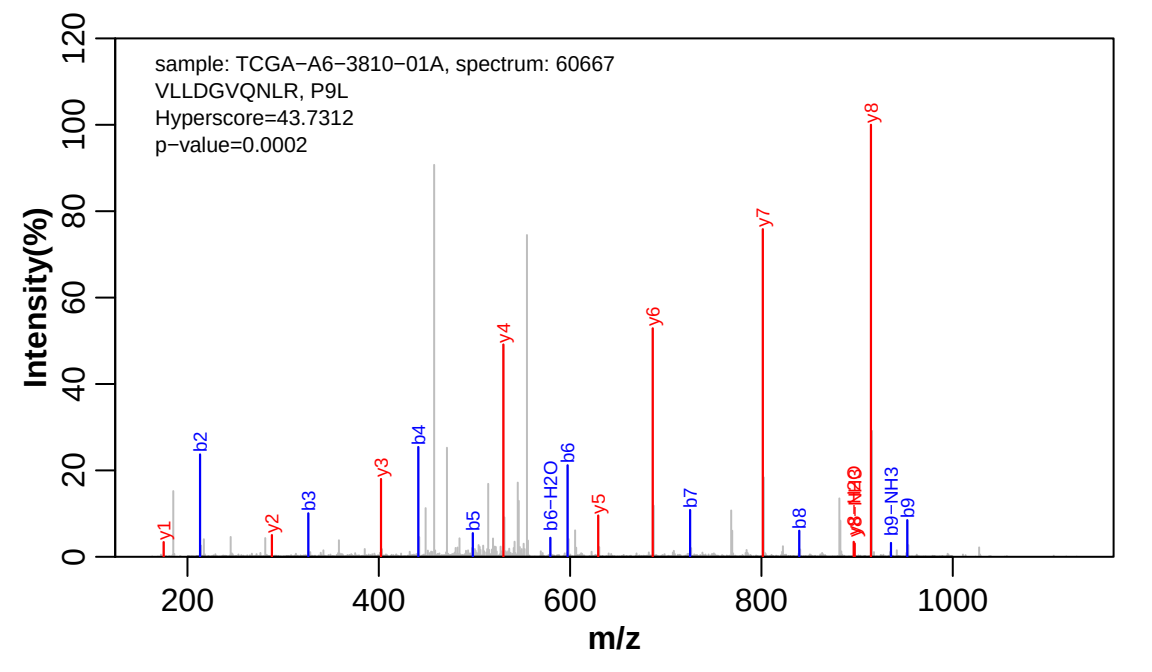

sample: TCGA−A6−3810−01A, spectrum: 58112
SPADPTDLGGQTSPR, I6T
Hyperscore=33.7860
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
b6
y6
b7−H2O
y7−NH3
y7
b8−H2O
b8−NH3
y8
b9
y9−H2O
y9
b10
y10
b11
y11−NH3
y11−H2O
y11
b12
b13
y12
y13

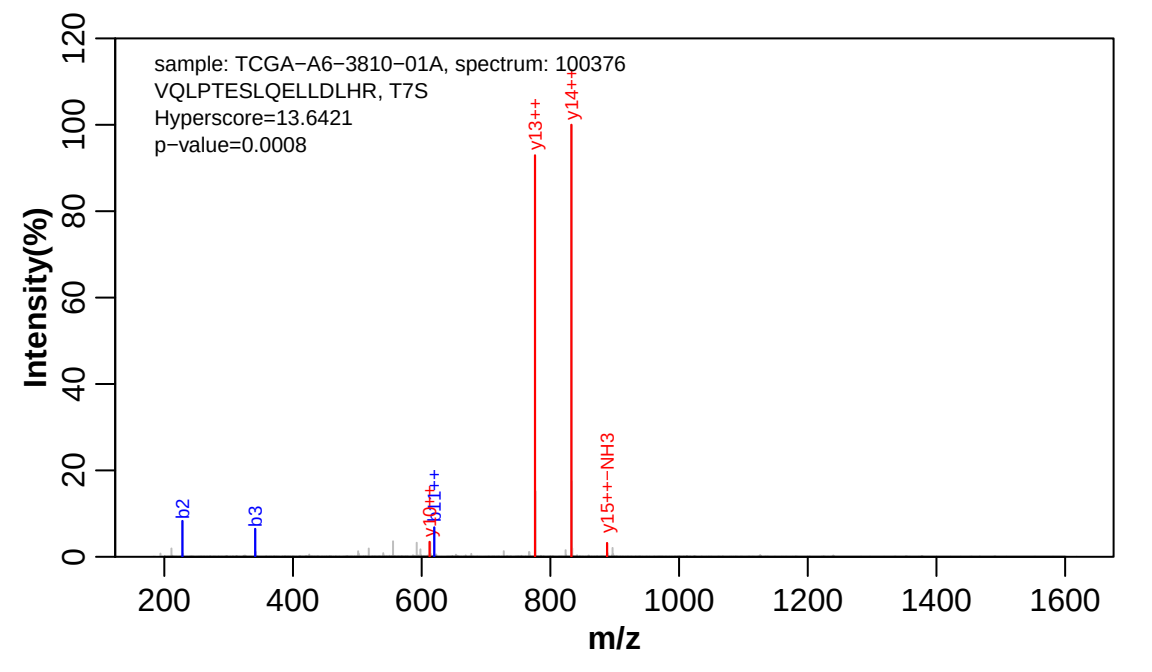

sample: TCGA−A6−3810−01A, spectrum: 104413
SVEEYANCHLAR, P1S
Hyperscore=43.3656
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
y4
b5−H2O
b5
y6
y7
y8
b9
y9
b10
y10
b11

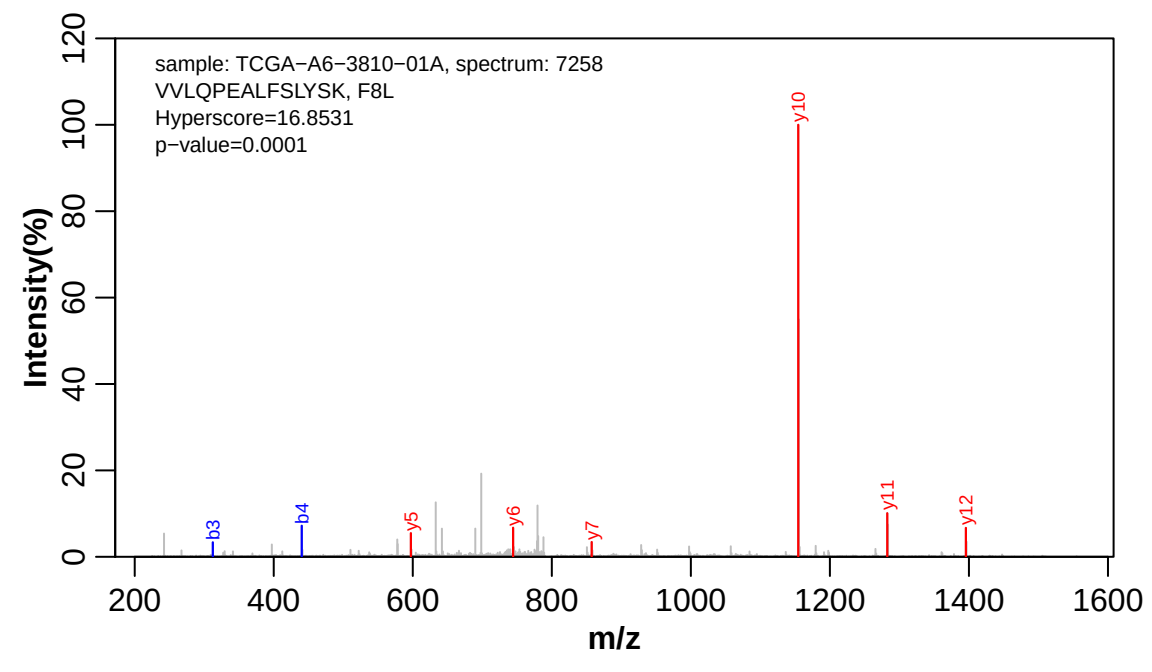

sample: TCGA−A6−3810−01A, spectrum: 52187
SVMDTTQLAGLNCLR, A5T
Hyperscore=40.4928
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
y6
y7
b5
b6
b7
b8
b9
b11
b12
b14
y8
y9
y10
y11
y12
b5−H2O
b6−H2O
y5−NH3
y6−NH3
b7−H2O
y7−H2O
y7−NH3
b8−NH3
b8−H2O
b9−NH3
b9−H2O
y8−H2O
b10−NH3
b10−H2O
y9−NH3
y8
b11−NH3
b11−H2O
y10−NH3
b12−NH3
b12−H2O

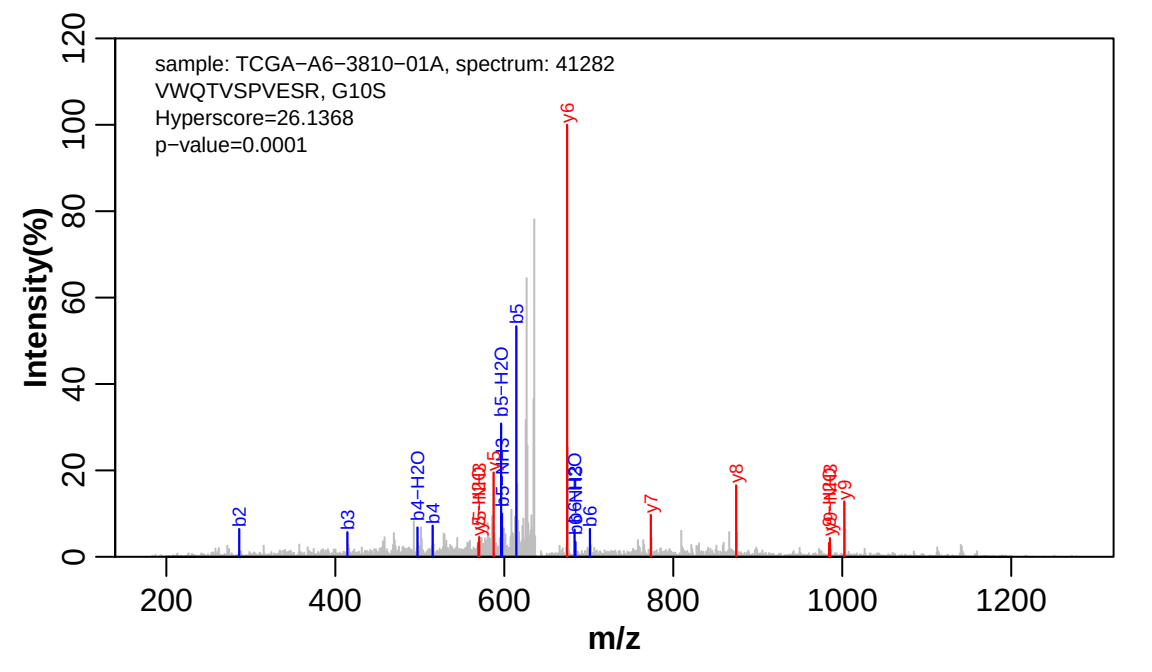

sample: TCGA−A6−3810−01A, spectrum: 54411
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=46.5308
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
y8
y4
y7
b15
b13

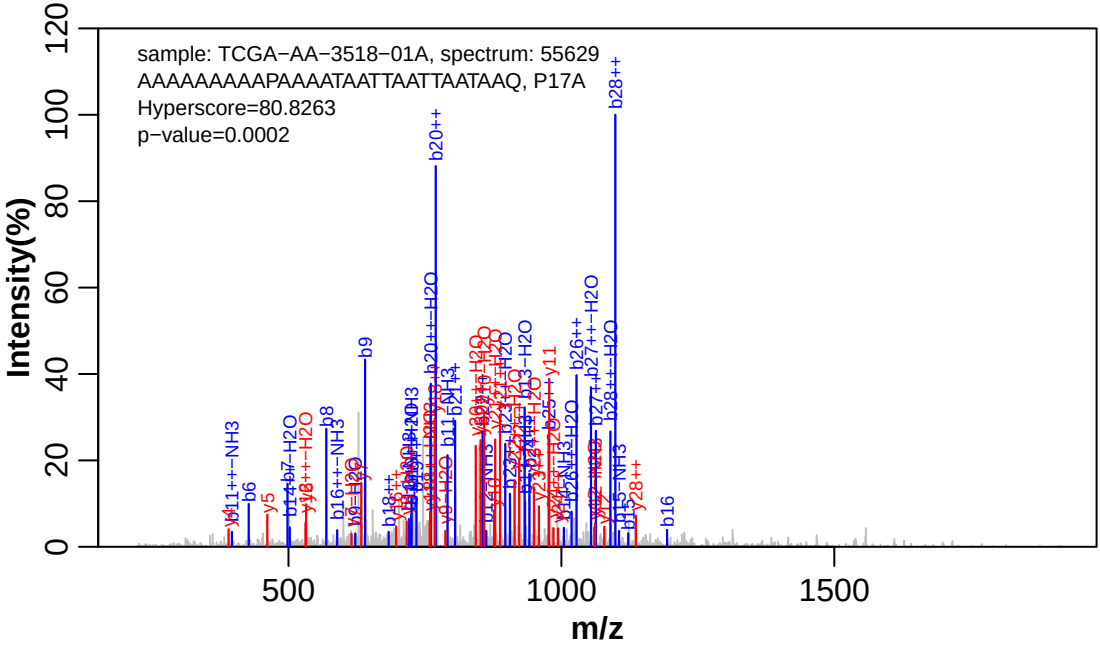

sample: TCGA−A6−3810−01A, spectrum: 72708
TVEDLDGLLQQLYR, H10Q
Hyperscore=55.4971
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y4
y2
y3
y8
y9
b12
b8
b9
b5−H2O
y11
b13

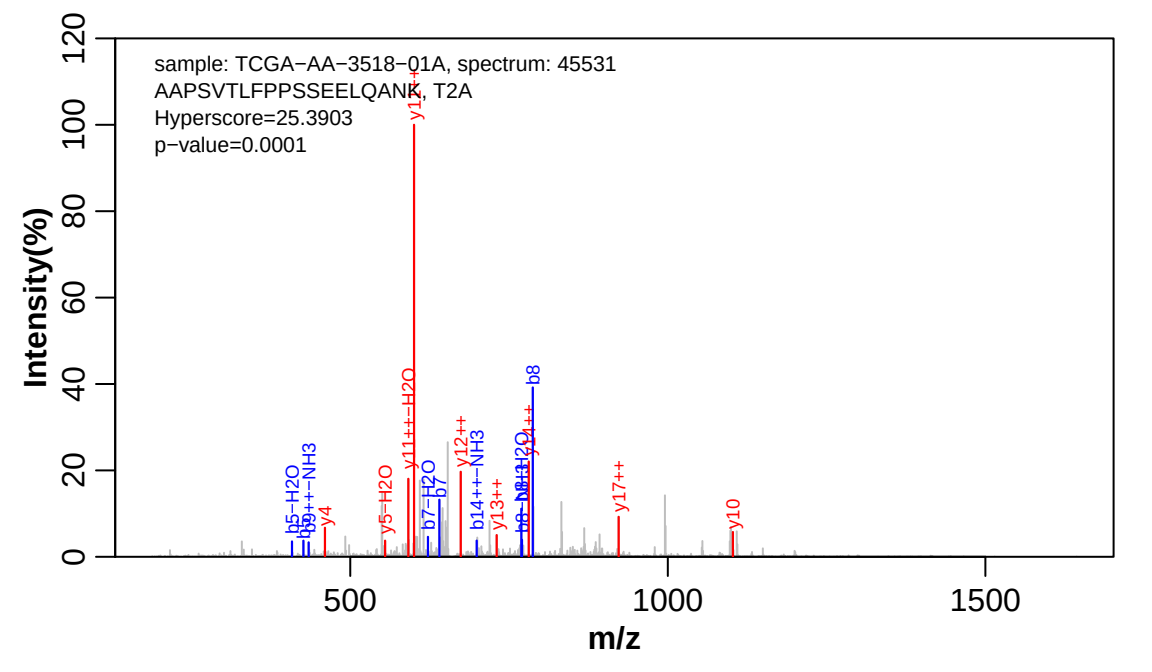

sample: TCGA−A6−3810−01A, spectrum: 60667
VLLDGVQNLR, P9L
Hyperscore=43.7312
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3
b4
b5
y4
b6−H2O
b6
y5
y6
b7
b8
y7
y8
b9−NH3
b9

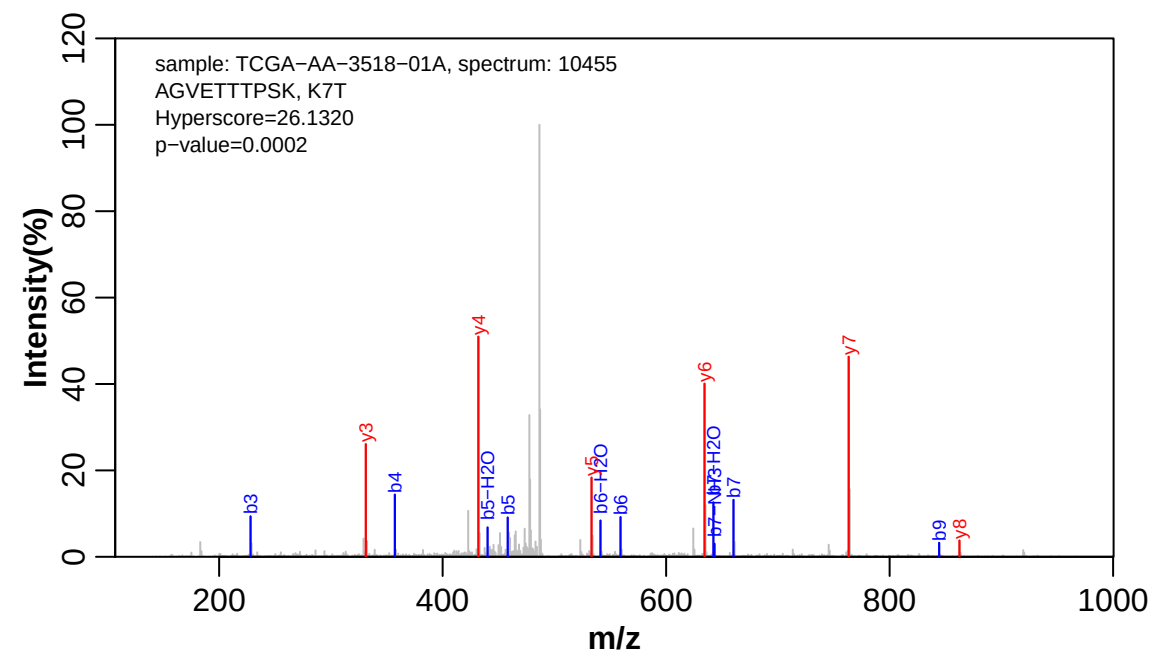

sample: TCGA−A6−3810−01A, spectrum: 100376
VQLPTESLQELLDLHR, T7S
Hyperscore=13.6421
p−value=0.0008
y13++
y14++
y15++−NH3
b2
b3
y10++
b11++
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

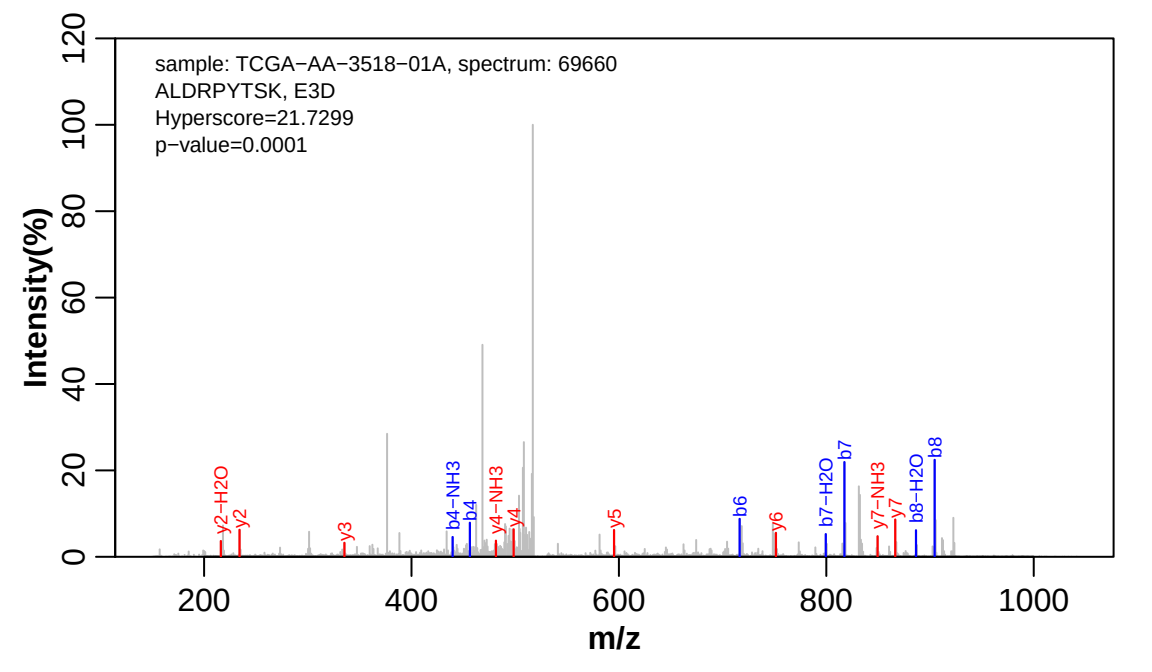

sample: TCGA−A6−3810−01A, spectrum: 7258
VVLQPEALFSLYSK, F8L
Hyperscore=16.8531
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
1600
b3
b4
y5
y6
y7
y10
y11
y12

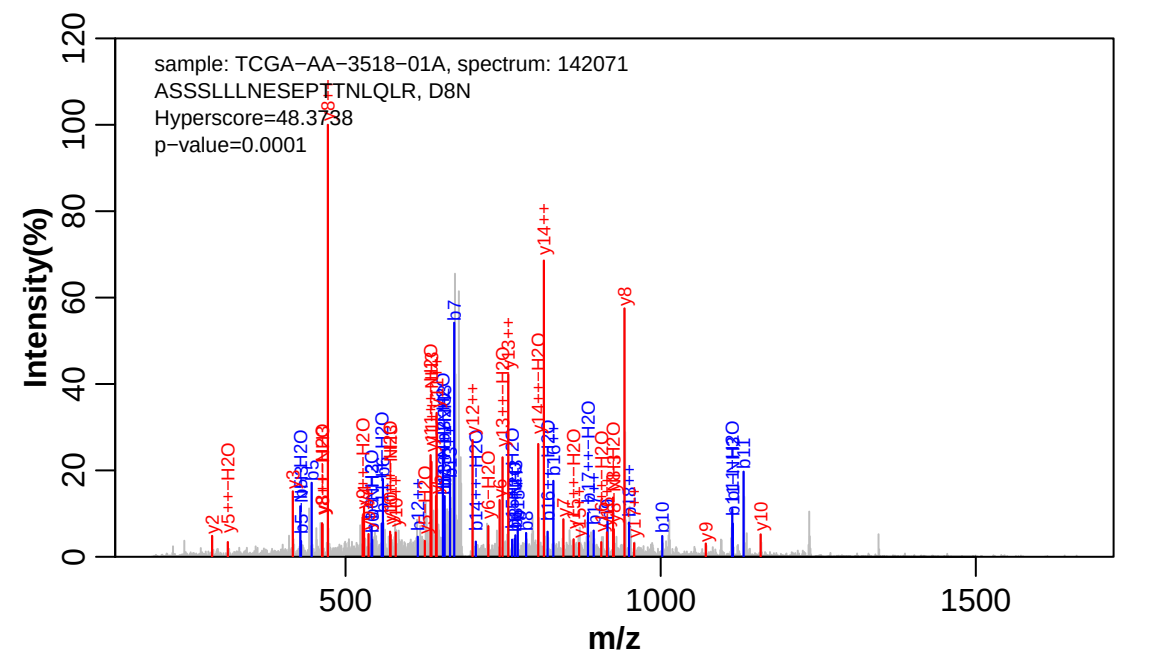

sample: TCGA−A6−3810−01A, spectrum: 41282
VWQTVSPVESR, G10S
Hyperscore=26.1368
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
b4−H2O
b4
b5−H2O
b5
y6
y7
y8
y9

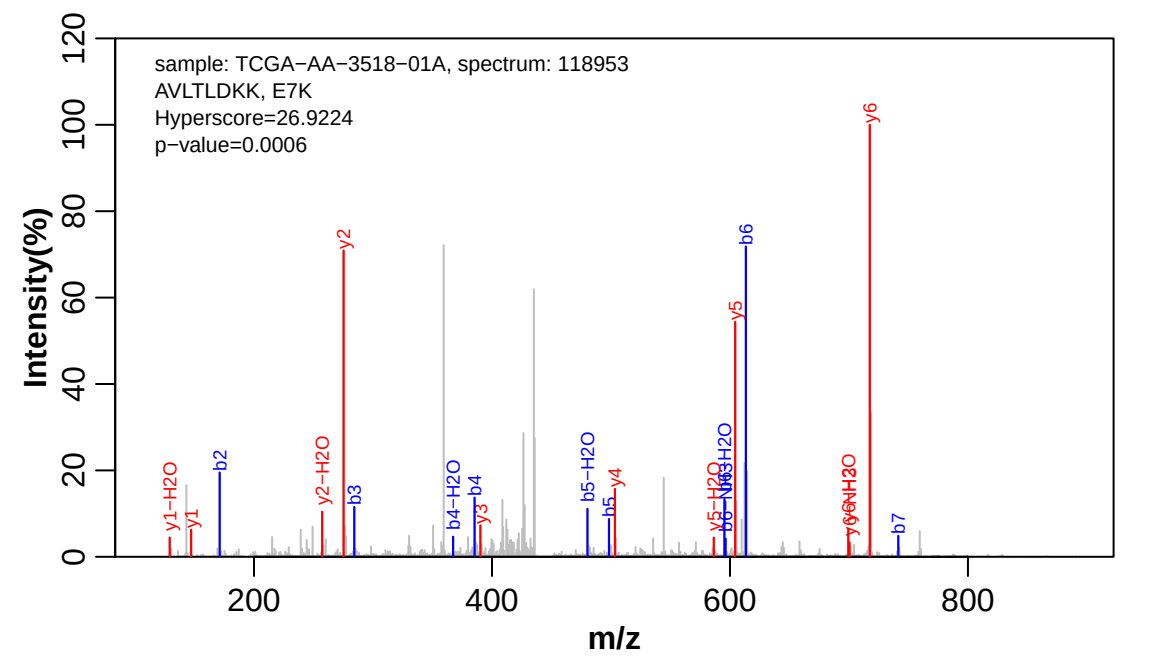

sample: TCGA−AA−3518−01A, spectrum: 55629
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=80.8263
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b20++
b28++
b20++−H2O
b9
b6
y5
b8
b16++−NH3
b18++
b26++
b27++−H2O
b28++−H2O
b15−NH3
y28++
b16

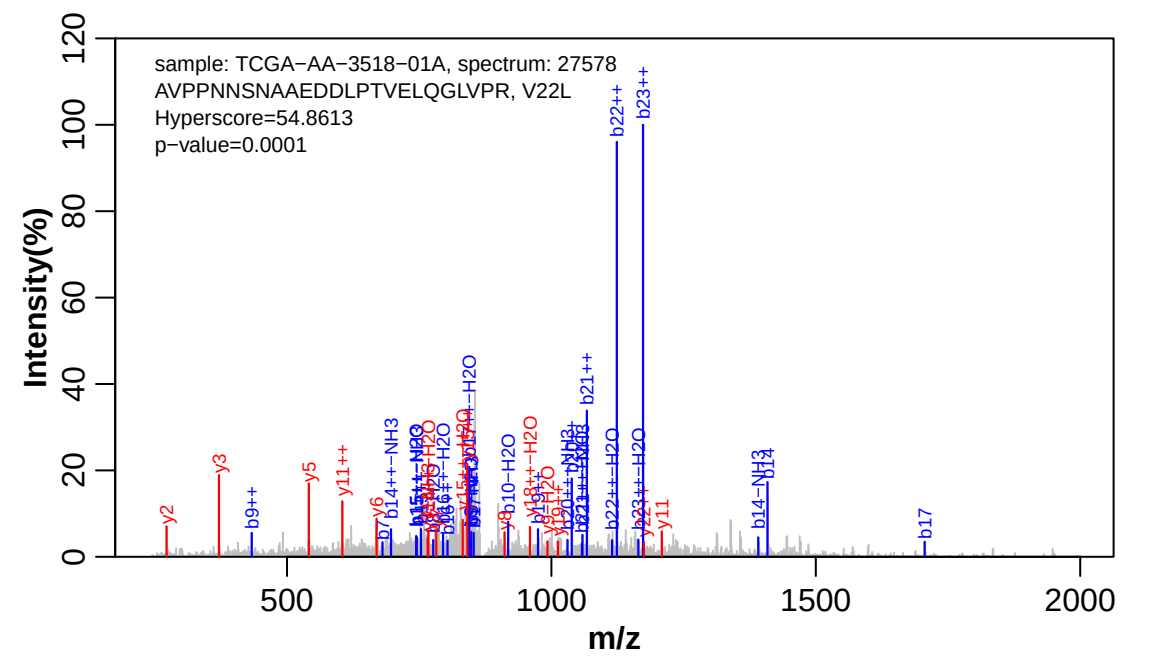

sample: TCGA−AA−3518−01A, spectrum: 45531
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=25.3903
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12++
y11++−H2O
b5−H2O
b9++−NH3
y4
y5−H2O
b7−H2O
b7
y12++
b14++−NH3
y13++
b8
y17++
y10

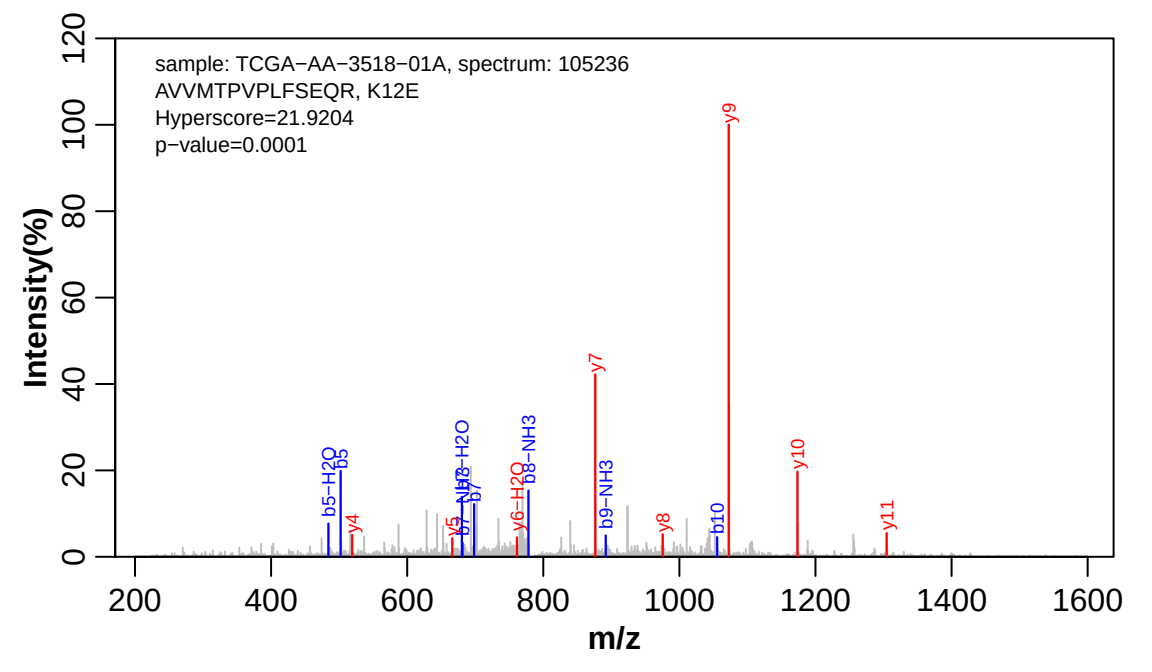

sample: TCGA−AA−3518−01A, spectrum: 10455
AGVETTTPSK, K7T
Hyperscore=26.1320
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
b9
y8

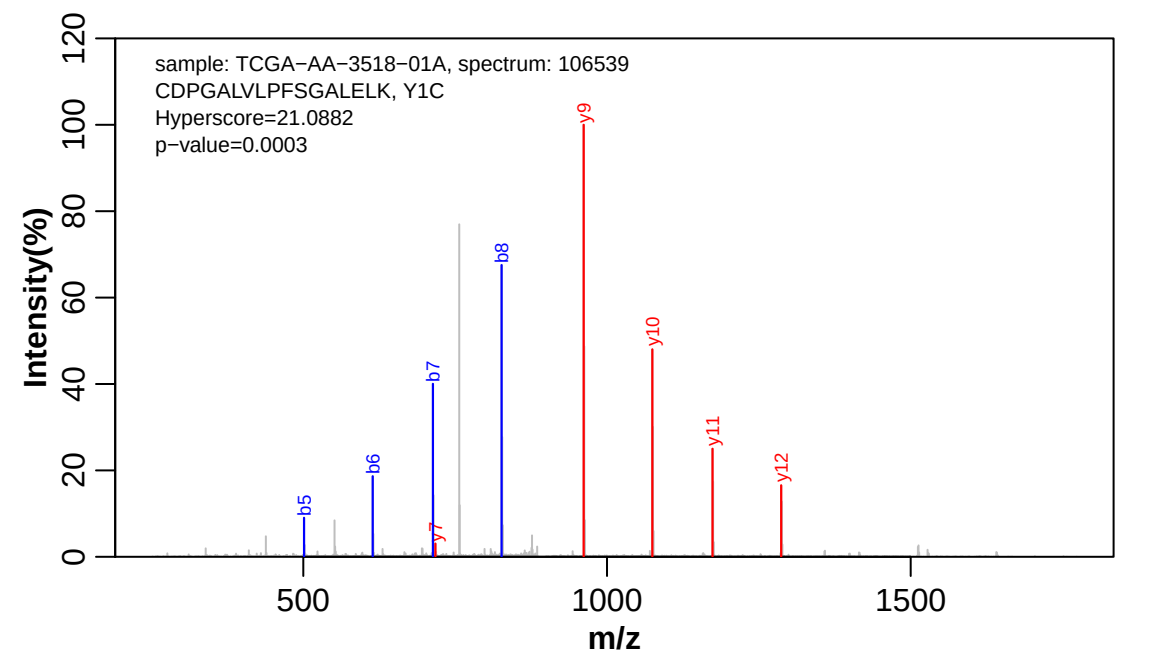

sample: TCGA−AA−3518−01A, spectrum: 69660
ALDRPYTSK, E3D
Hyperscore=21.7299
p−value=0.0001
Intensity(%)
m/z
y2−H2O
y2
y3
b4−NH3
b4
y4−NH3
y4
y5
b6
y6
b7−H2O
b7
y7−NH3
y7
b8−H2O
b8

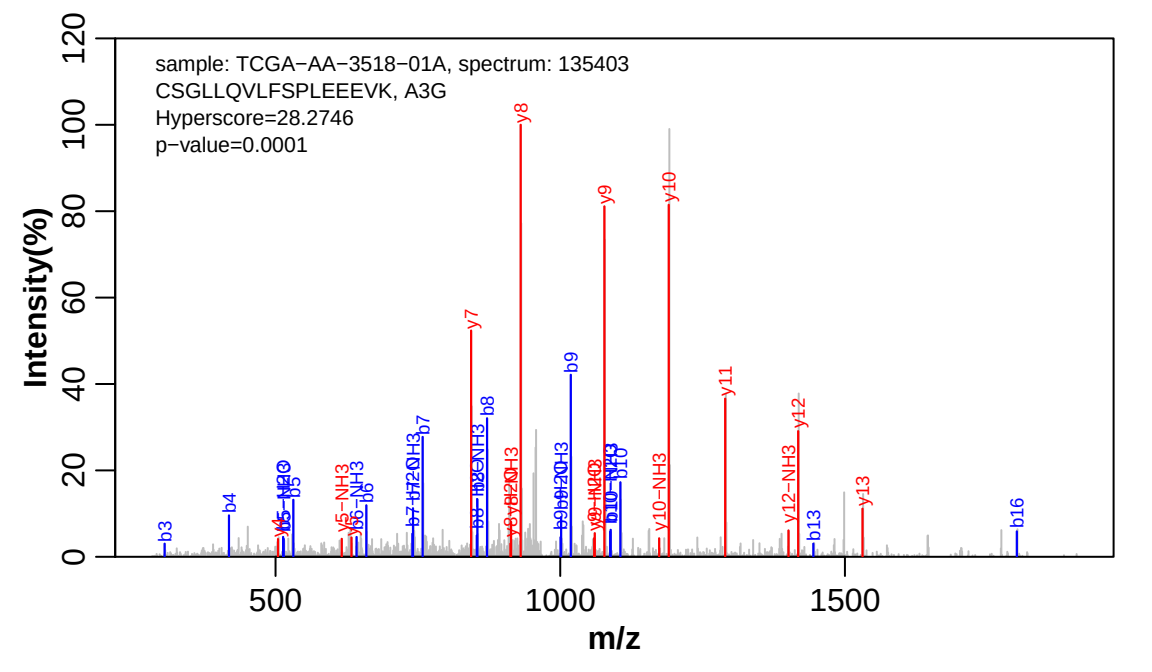

sample: TCGA−AA−3518−01A, spectrum: 142071
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=48.3738
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
y14++
y8
b7
y2
y5++−H2O
b10
y9
y10
b11

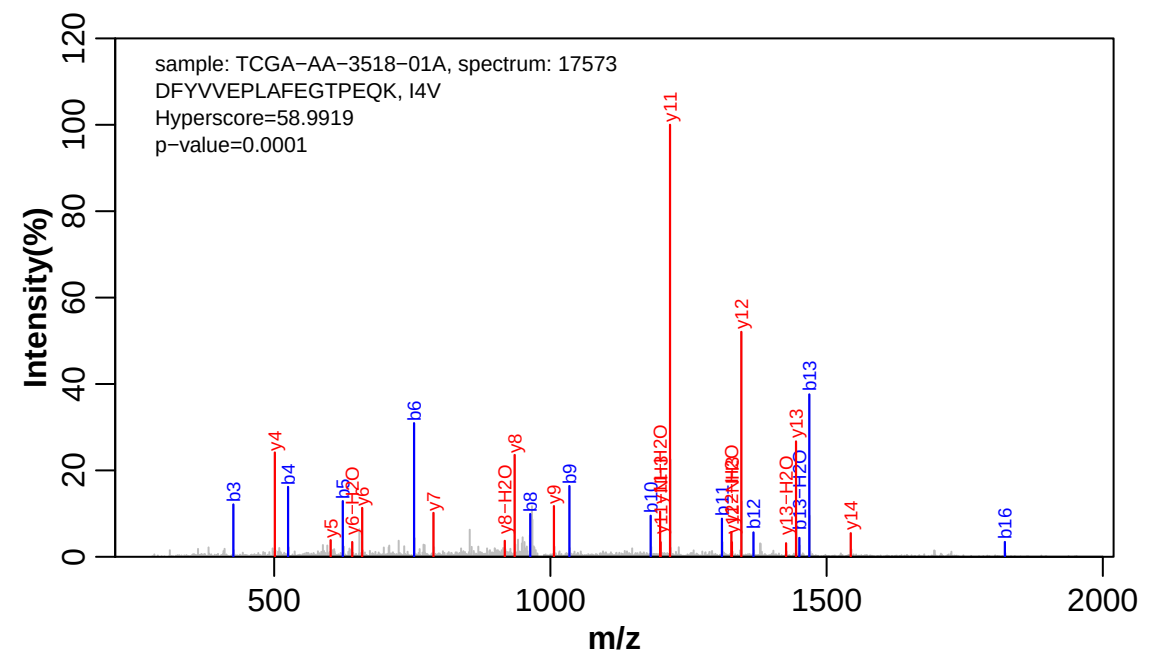

sample: TCGA−AA−3518−01A, spectrum: 118953
AVLTLDKK, E7K
Hyperscore=26.9224
p−value=0.0006
Intensity(%)
m/z
y1−H2O
y1
b2
y2−H2O
y2
b3
b4−H2O
b4
y3
b5−H2O
b5
y4
y5−H2O
y5
b6
y6−NH3
y6−H2O
y6
b7

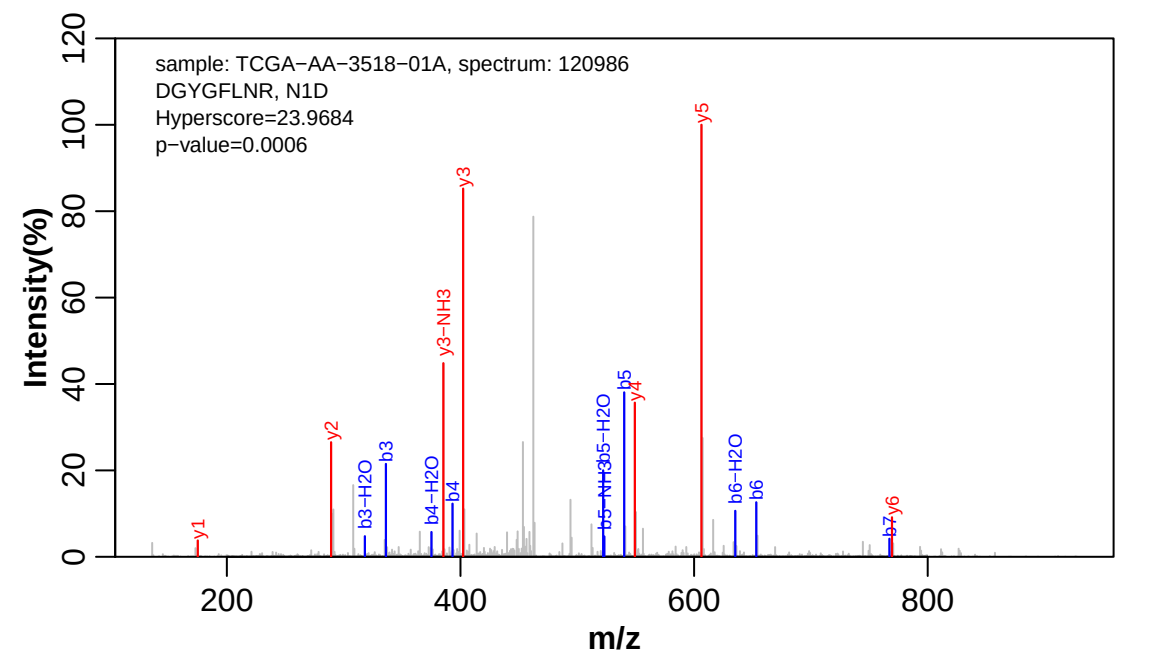

sample: TCGA−AA−3518−01A, spectrum: 27578
AVPPNNSNAAEDDLPTVELQGLVPR, V22L
Hyperscore=54.8613
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
b9++
y5
y11++
y6
b14++−NH3
b10−H2O
b21++
b22++−H2O
b22++
b23++
y11
b14−NH3
b17

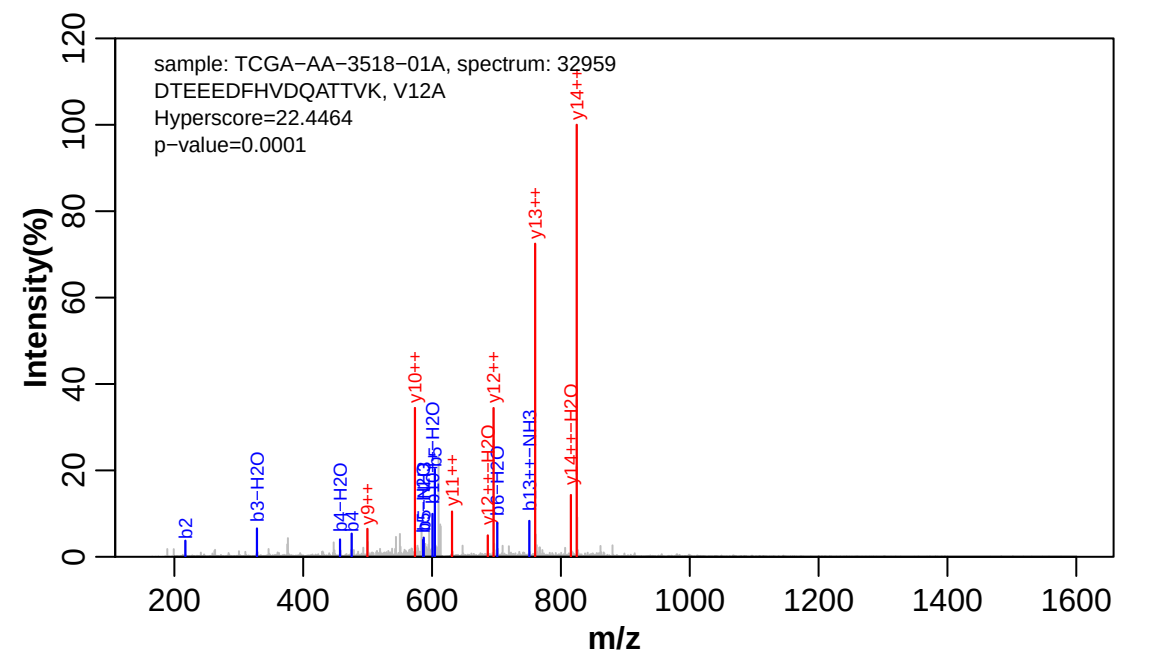

sample: TCGA−AA−3518−01A, spectrum: 105236
AVVMTPVPLFSEQR, K12E
Hyperscore=21.9204
p−value=0.0001
Intensity(%)
m/z
y9
y7
y10
y11
y8
b10
b9−NH3
b8−NH3
b5−H2O
b5
y4
y5
b7−H2O
b7
y6−H2O

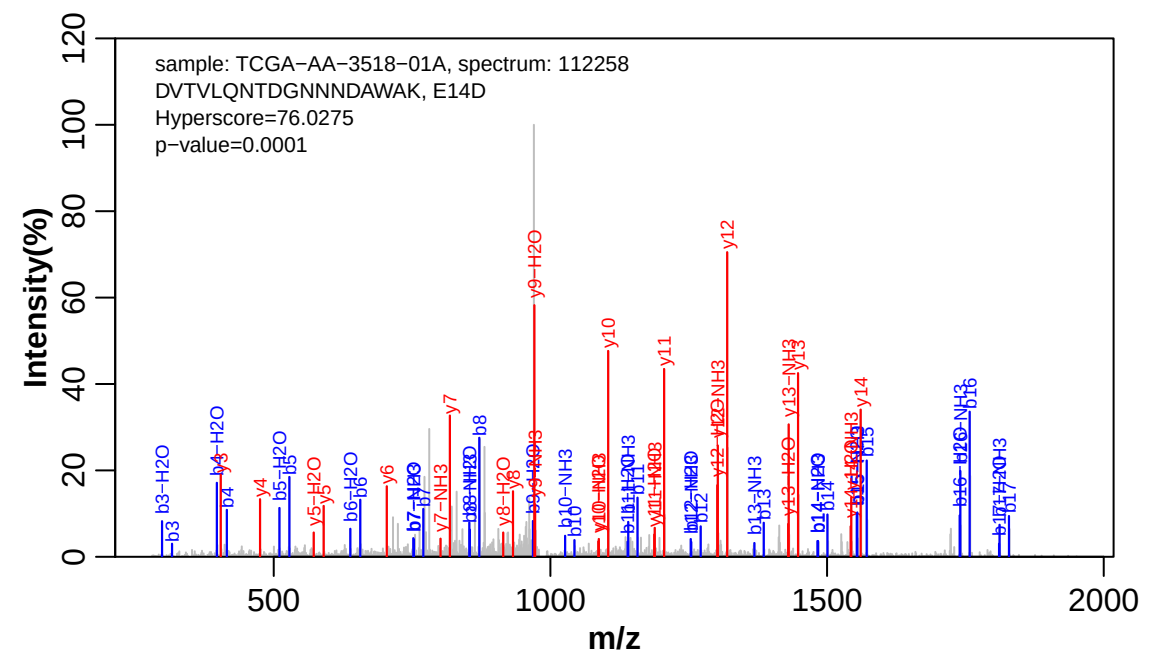

sample: TCGA−AA−3518−01A, spectrum: 106539
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.0882
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6
b7
y7
b8
y9
y10
y11
y12

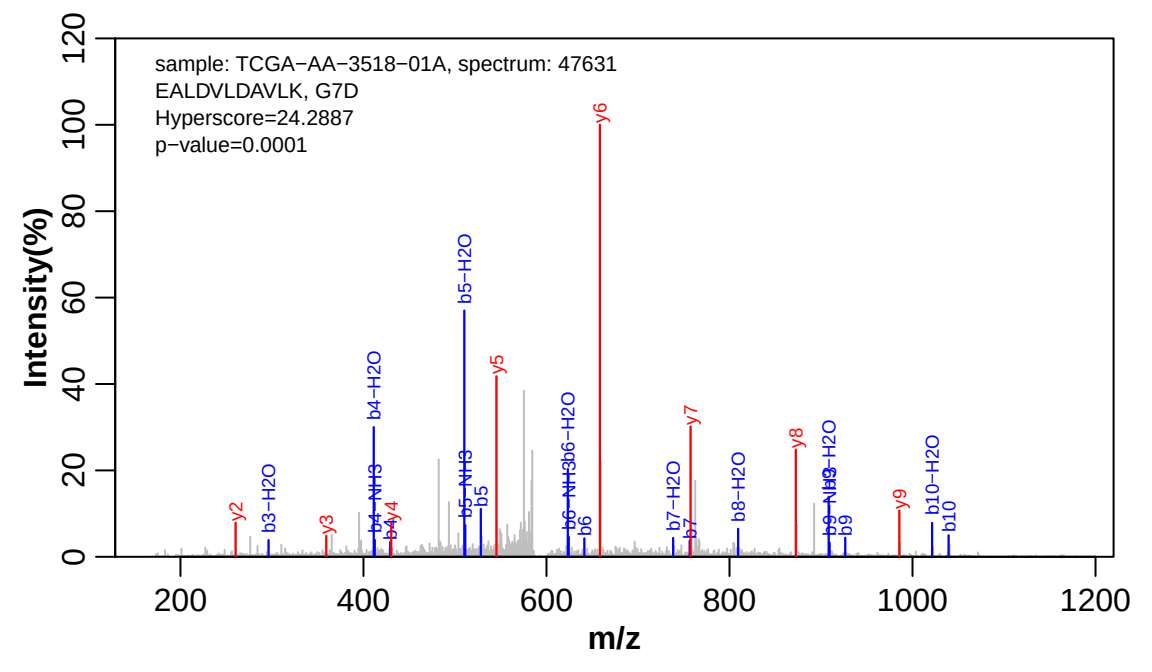

sample: TCGA−AA−3518−01A, spectrum: 135403
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=28.2746
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b4
b5
y5−NH3
b6
b7
b8
y7
b9
y8
y9
y10
y11
y12
y12−NH3
b13
y13
b16
y10−NH3

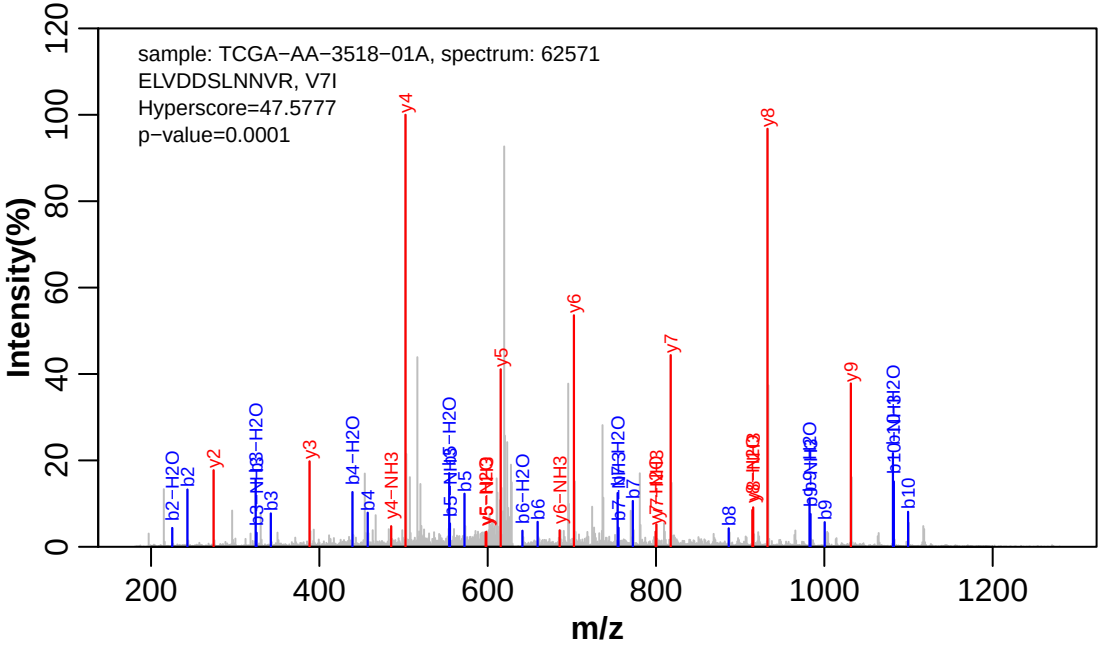

sample: TCGA−AA−3518−01A, spectrum: 17573
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=58.9919
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
y5
b5
y6−H2O
y6
b6
y7
y8−H2O
y8
b8
y9
b9
y11
b10
y11−NH3
y11−H2O
b11
y12−NH3
y12−H2O
b12
y12
b13
y13−H2O
y13
y14
b16

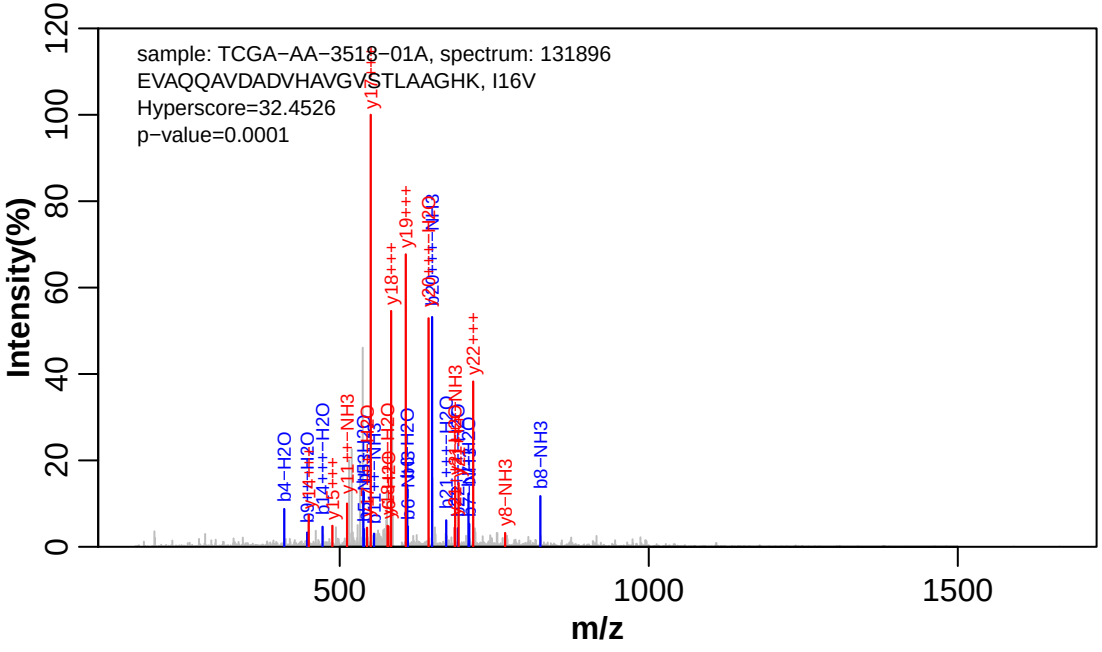

sample: TCGA−AA−3518−01A, spectrum: 120986
DGYGFLNR, N1D
Hyperscore=23.9684
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

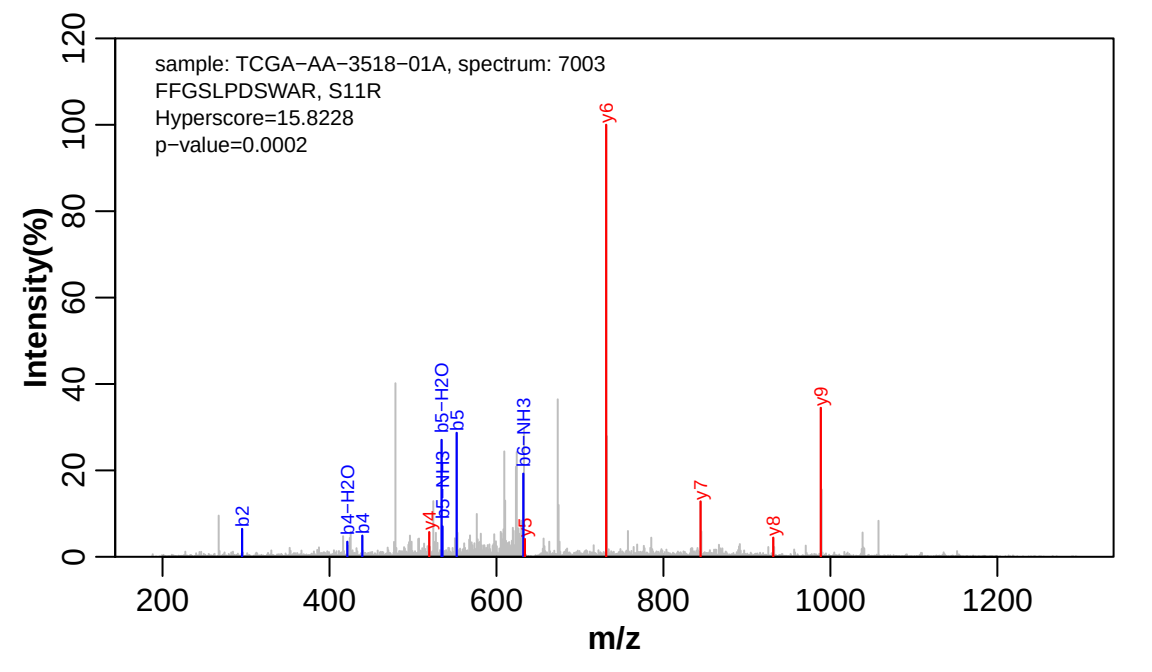

sample: TCGA−AA−3518−01A, spectrum: 32959
DTEEEDFHVDQATTVK, V12A
Hyperscore=22.4464
p−value=0.0001
Intensity(%)
m/z
b2
b3−H2O
b4−H2O
b4
y9++
y10++
y11++
y12++
y12++−H2O
b6−H2O
b13++−NH3
y13++
y14++−H2O
y14++

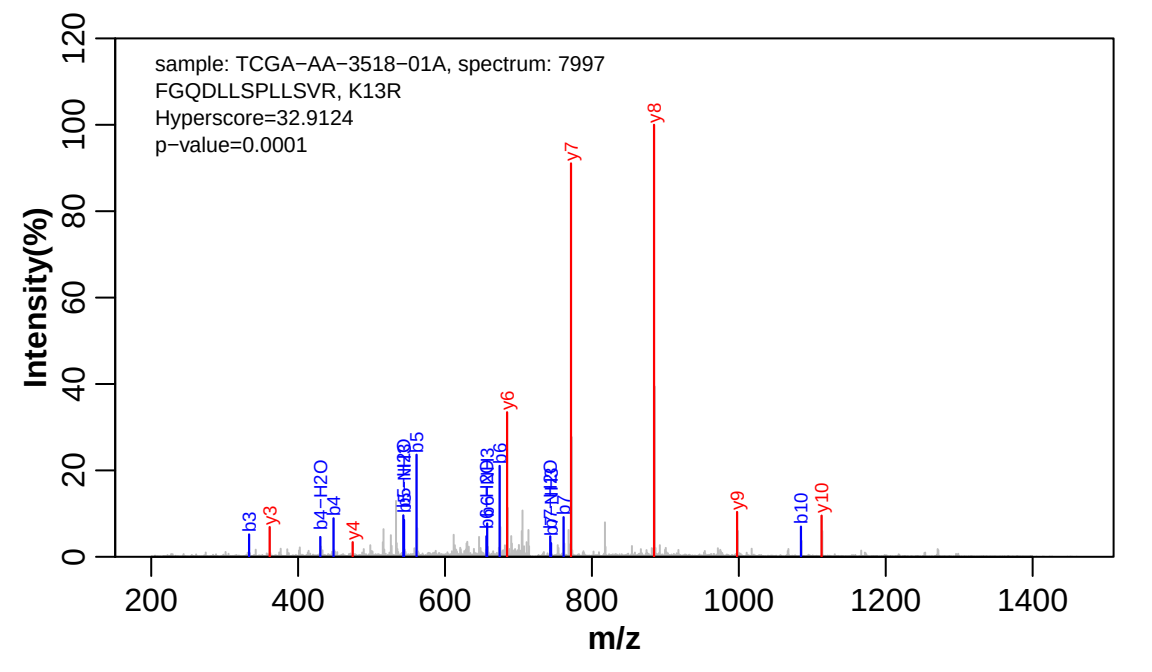

sample: TCGA−AA−3518−01A, spectrum: 112258
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=76.0275
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b3
b4−H2O
b4
y4
b5−H2O
b5
y5−H2O
y5
b6−H2O
b6
y6
y7−NH3
y7
b8
y8−H2O
y8
y9−H2O
b10−NH3
b10
y10
y11
y12
y12−NH3
b13−NH3
y13−NH3
y13
y13−H2O
y14
b16
b16−H2O−NH3
b17−H2O−NH3
b17

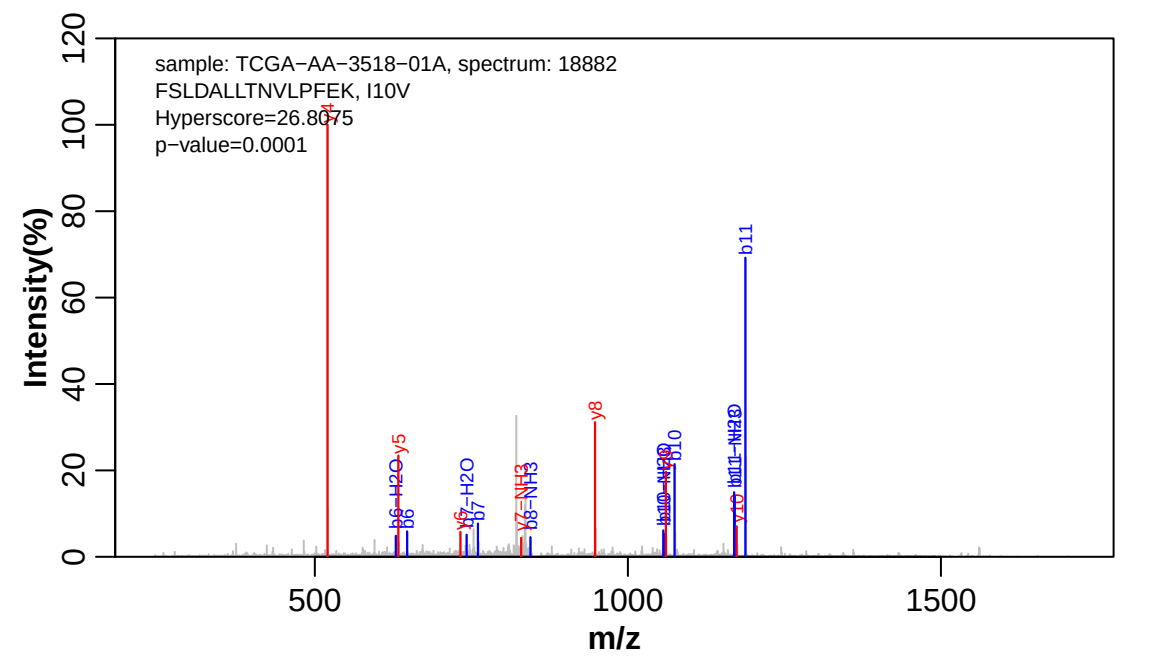

sample: TCGA−AA−3518−01A, spectrum: 47631
EALDVLDAVLK, G7D
Hyperscore=24.2887
p−value=0.0001
Intensity(%)
m/z
y6
b5−H2O
y5
b4−H2O
y7
y8
b8−H2O
b10−H2O
y9
b3−H2O
y2
y3
b4
b5
b6
b7
b9
b10

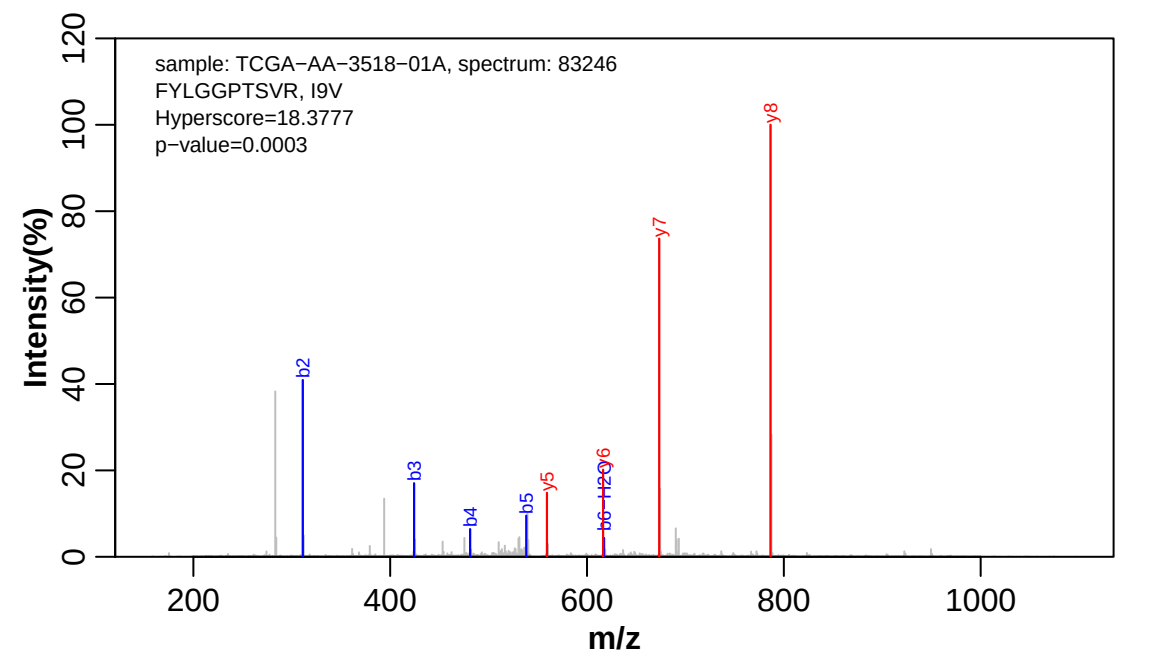

sample: TCGA−AA−3518−01A, spectrum: 62571
ELVDDSLNNVR, V7I
Hyperscore=47.5777
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y4
y8
y6
y5
y7
y9
y2
y3
b2−H2O
b2
b3−H2O
b3
b4−H2O
b4
y4−NH3
b5−H2O
b5
b6−H2O
b6
y6−NH3
b7
b8
b9
b10
b10−H2O

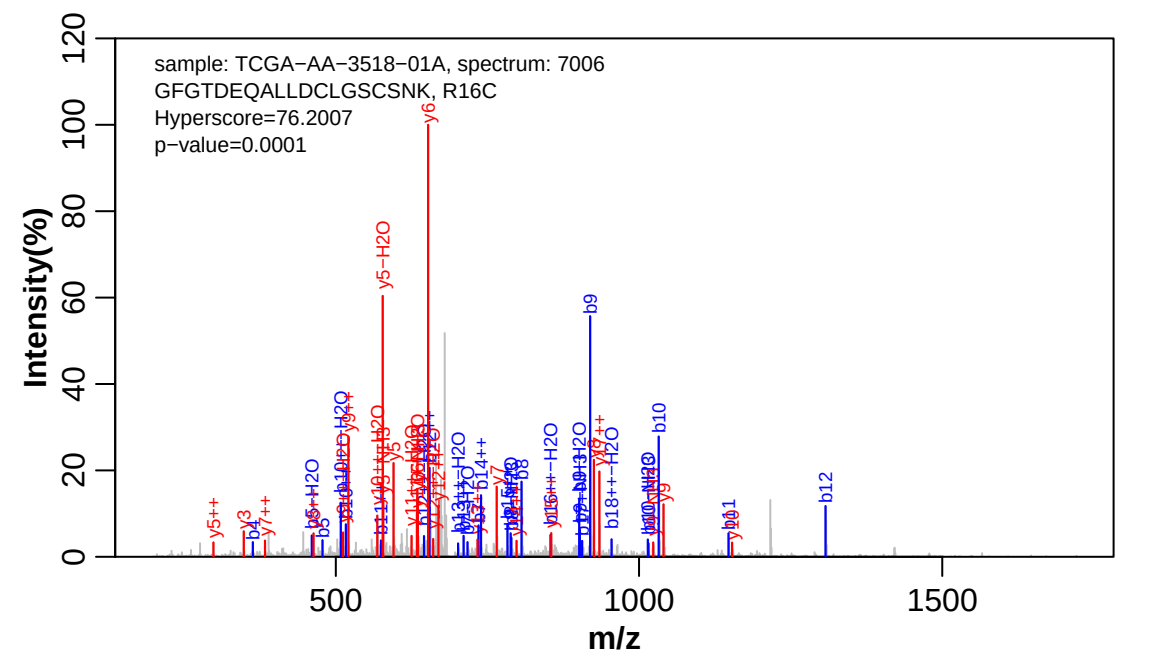

sample: TCGA−AA−3518−01A, spectrum: 131896
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=32.4526
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16+++
y19+++
y18+++
y20+++−NH3
y22+++
b4−H2O
b8−NH3
y8−NH3

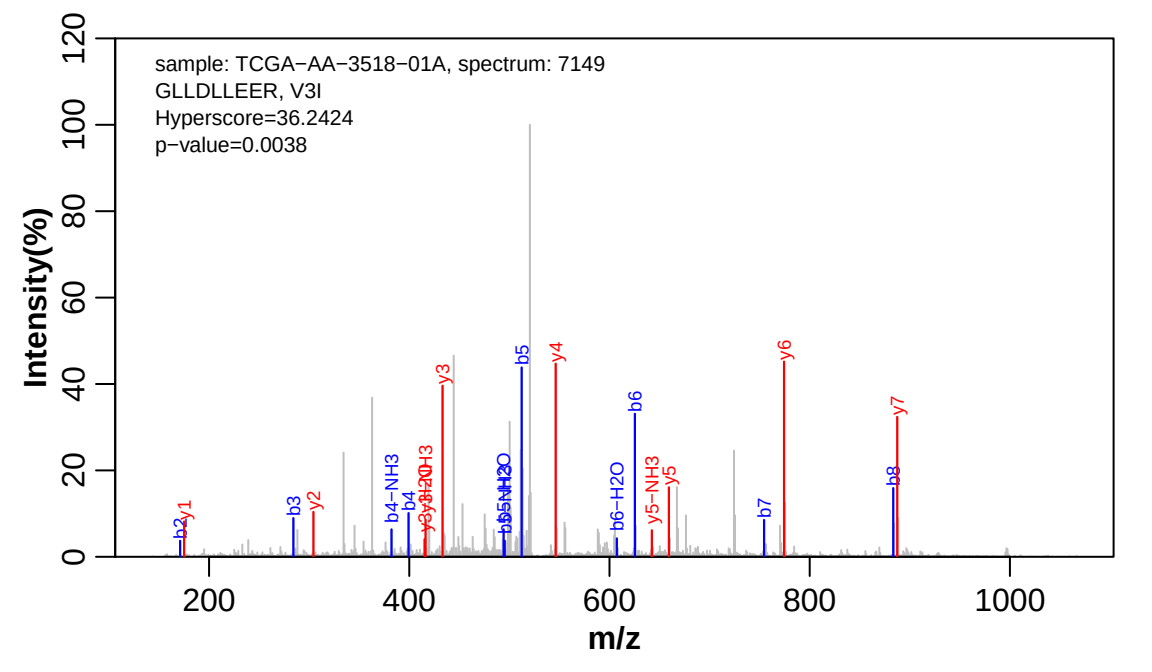

sample: TCGA−AA−3518−01A, spectrum: 7003
FFGSLPDSWAR, S11R
Hyperscore=15.8228
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
y6
y7
y8
y9

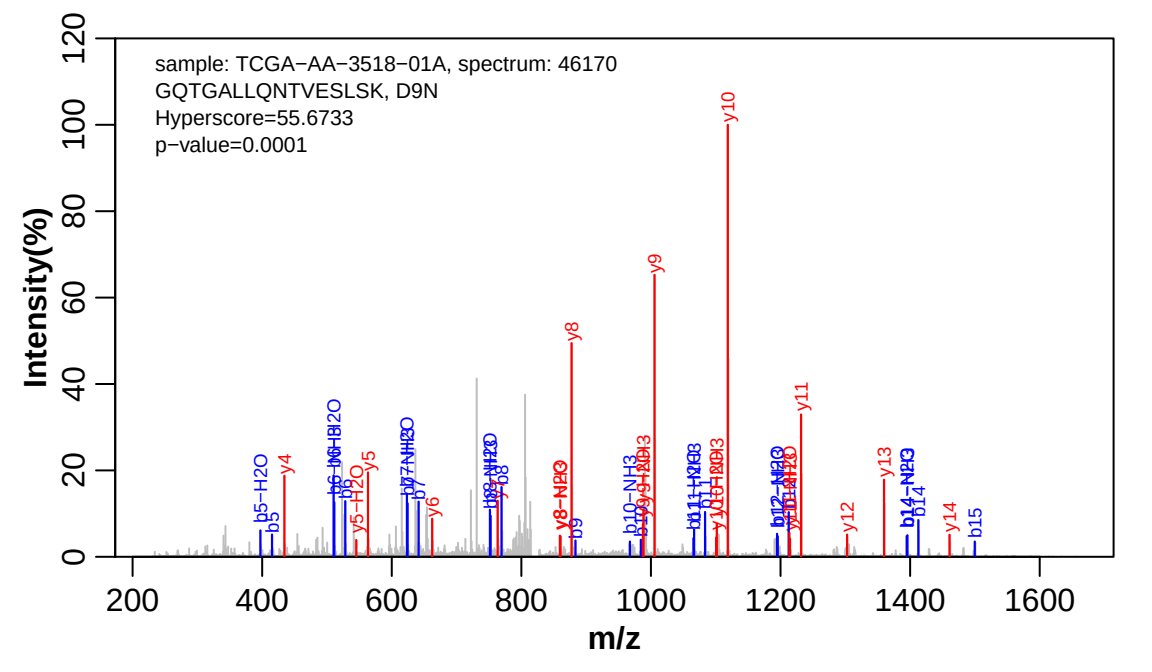

sample: TCGA−AA−3518−01A, spectrum: 7997
FGQDLLSPLLSVR, K13R
Hyperscore=32.9124
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5
y6
b6
y7
b7−NH3
b7
y8
y9
b10
y10

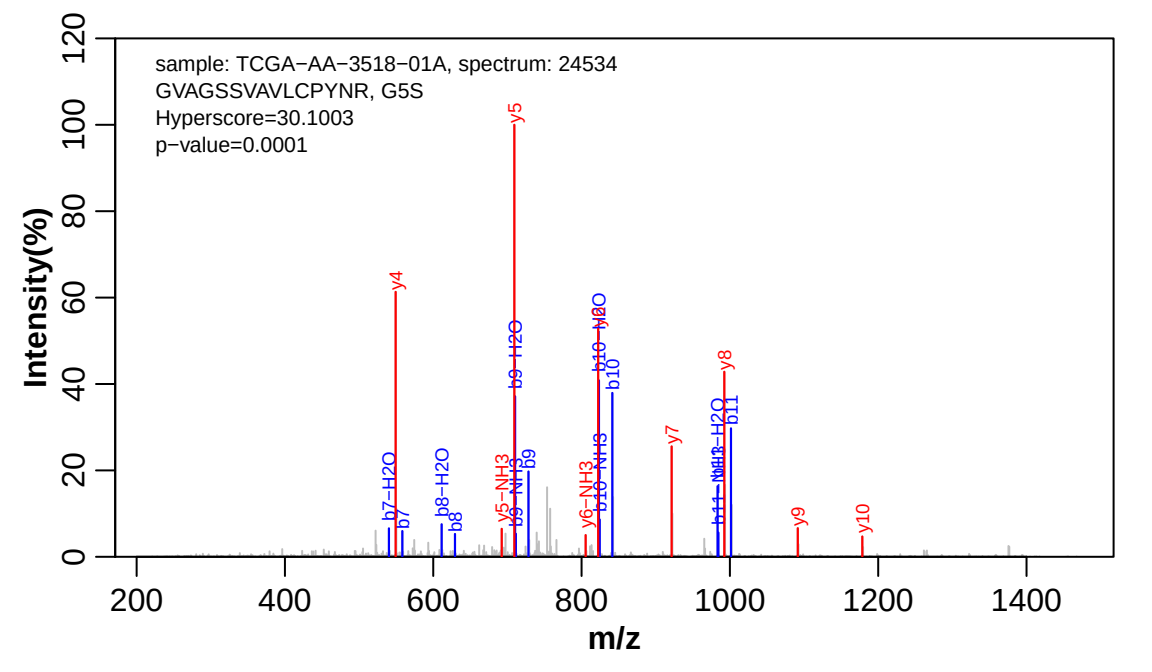

sample: TCGA−AA−3518−01A, spectrum: 18882
FSLDALLTNVLPFEK, I10V
Hyperscore=26.8075
p−value=0.0001
Intensity(%)
m/z
y14
y8
b11
y5
b6−H2O
b6
y6
y7−H2O
b7
y7−NH3
b8−NH3
b10
y10
0
20
40
60
80
100
120
500
1000
1500

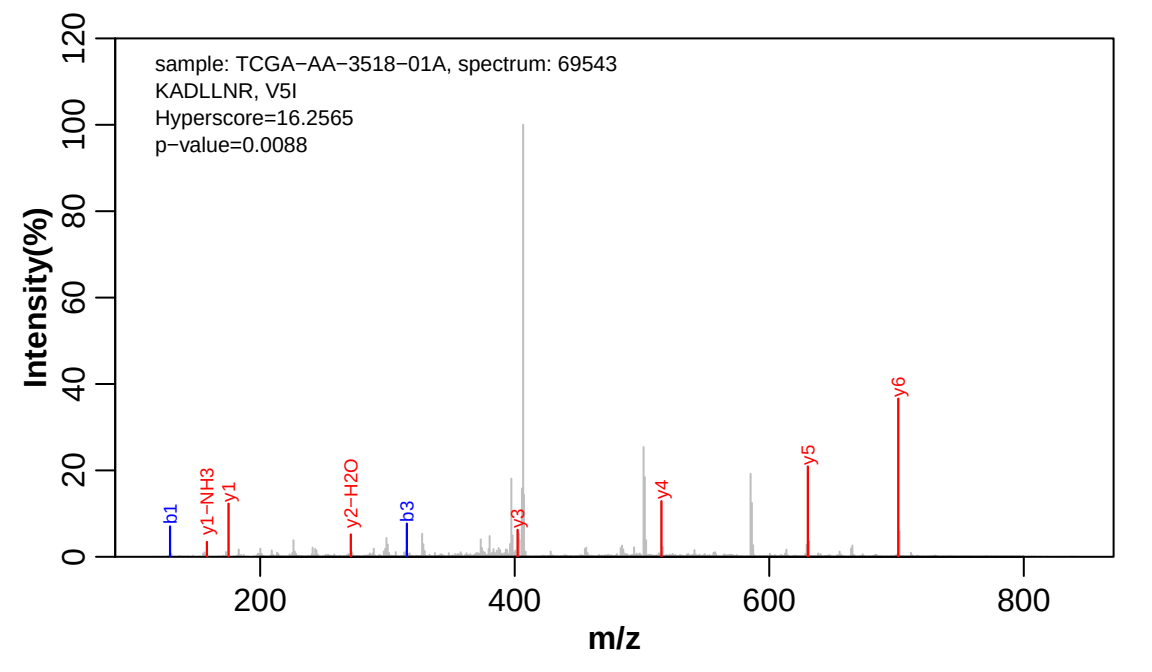

sample: TCGA−AA−3518−01A, spectrum: 83246
FYLGGPTSVR, I9V
Hyperscore=18.3777
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8

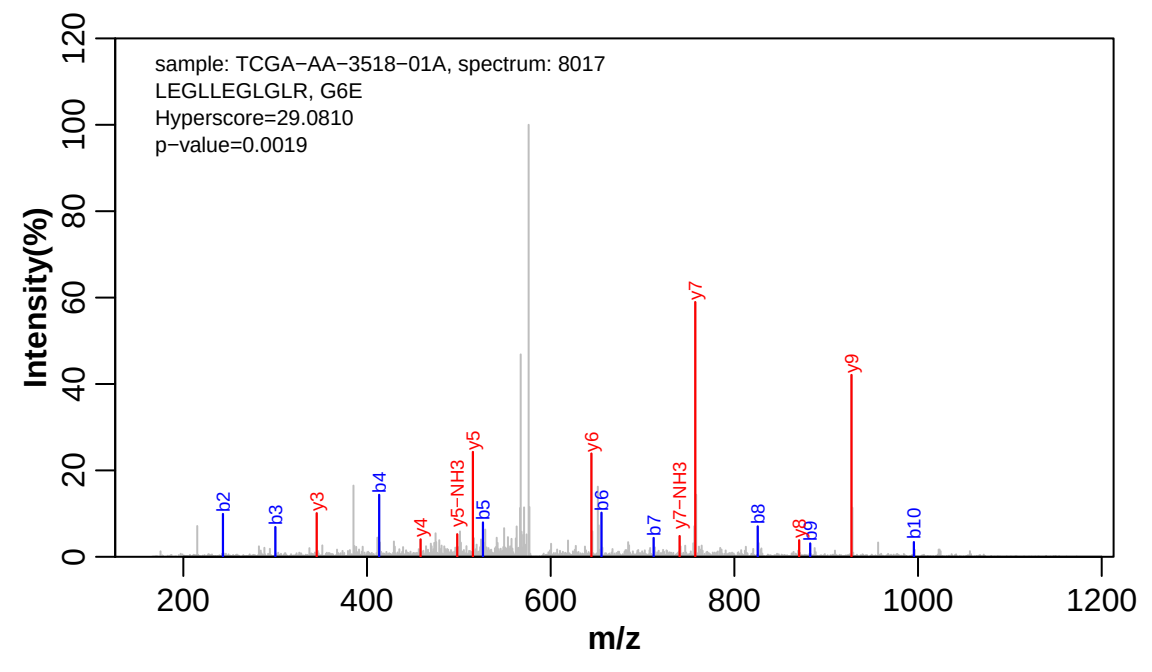

sample: TCGA−AA−3518−01A, spectrum: 7006
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=76.2007
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
y5
b9
b10
b12
y5++
y3
b4
y7++
b5−H2O
b5
y4++
b14++
y7
y9++
b18++−H2O
y9
y10
b11

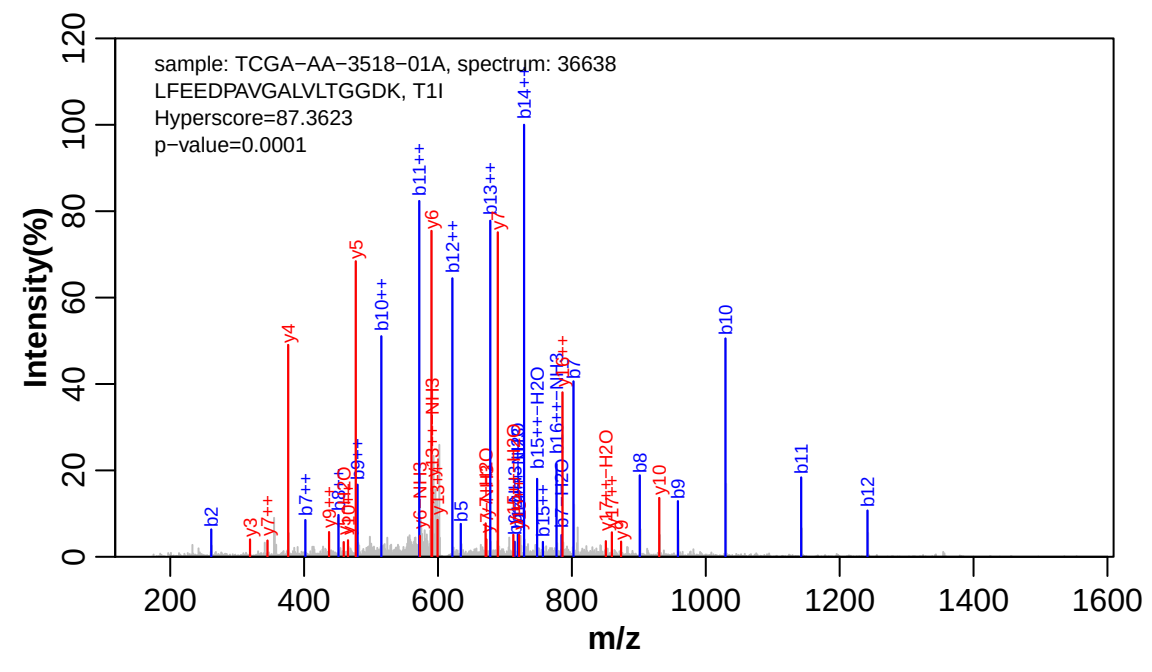

sample: TCGA−AA−3518−01A, spectrum: 7149
GLLDLLEER, V3I
Hyperscore=36.2424
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
b3
y2
b4−NH3
b4
y3−NH3
y3
b5
y4
b6
b6−H2O
y5−NH3
y5
y6
b7
b8
y7

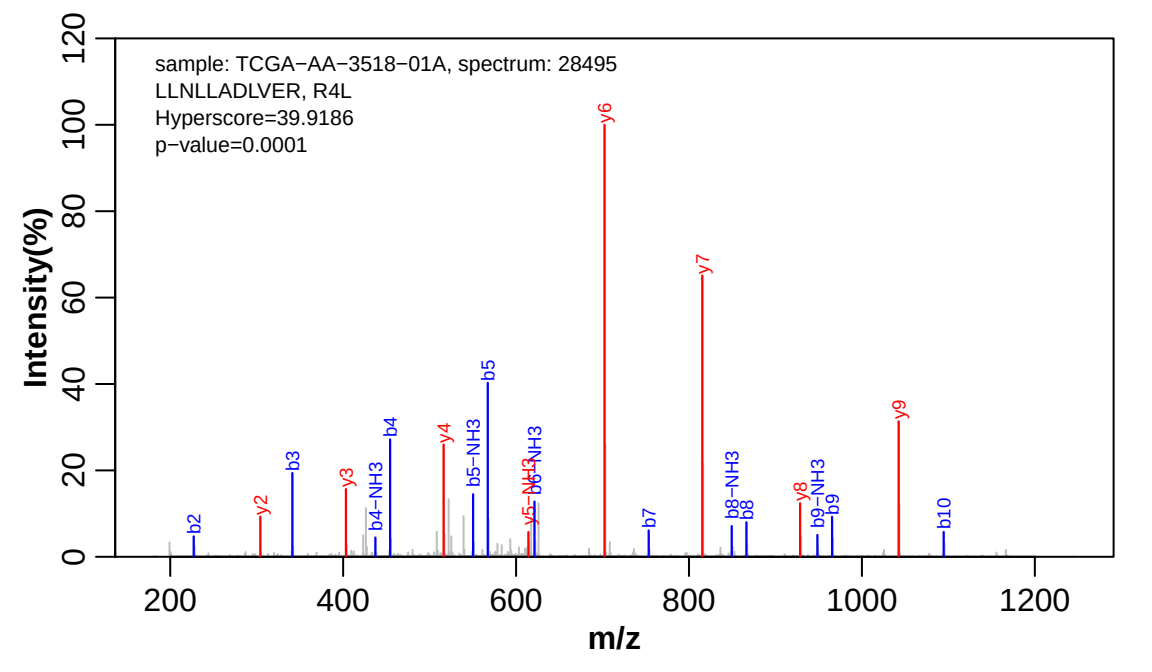

sample: TCGA−AA−3518−01A, spectrum: 46170
GQTGALLQNTVESLSK, D9N
Hyperscore=55.6733
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y12
y14
b15
y4
b5
y5
y6
b9
b10−NH3
b11
b14−NH3

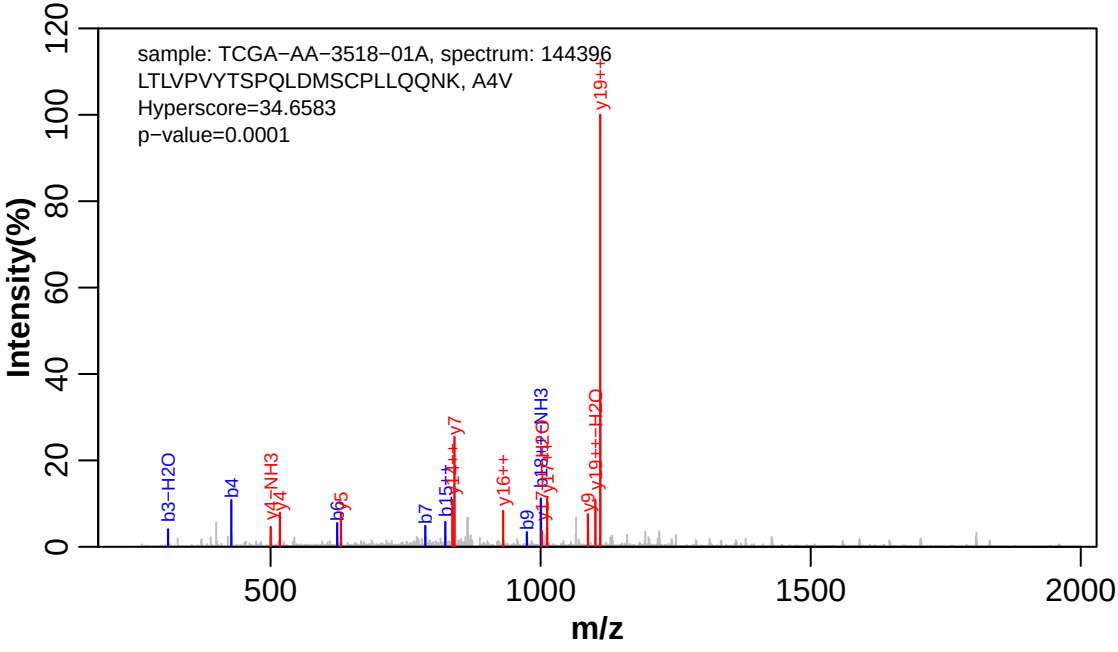

sample: TCGA−AA−3518−01A, spectrum: 24534
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.1003
p−value=0.0001
Intensity(%)
m/z
y4
y5
b7−H2O
b7
b8−H2O
b8
y5−NH3
b9−NH3
b9
b9−H2O
y6−NH3
b10−NH3
b10−H2O
b10
y7
y8
b11−H2O
b11
y9
y10

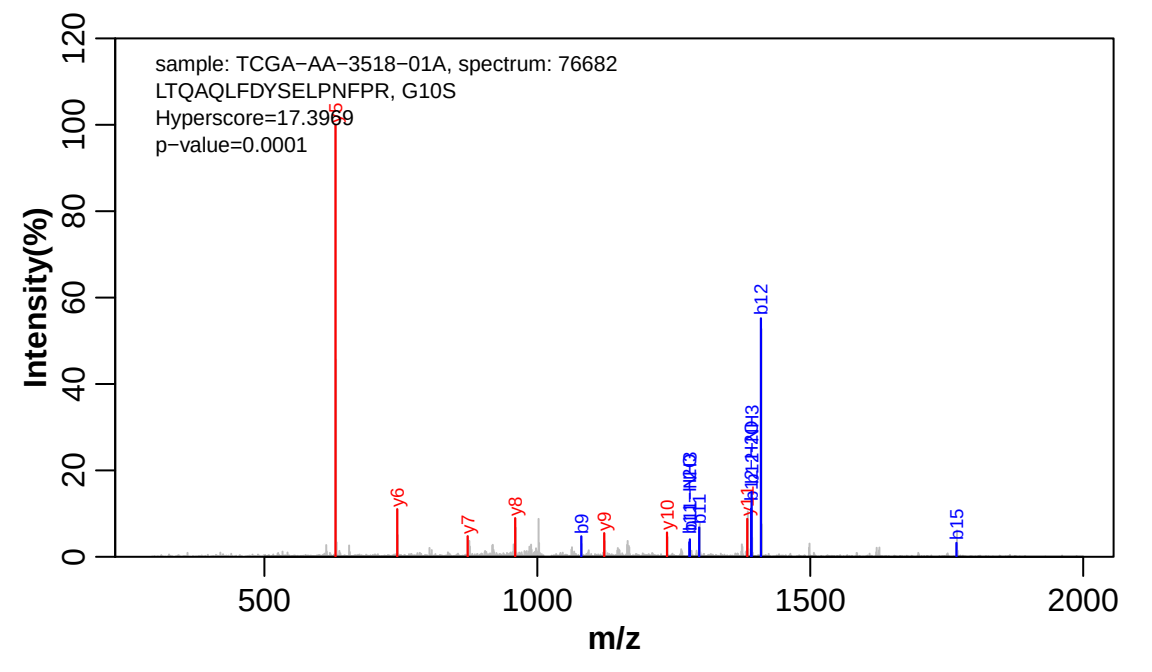

sample: TCGA−AA−3518−01A, spectrum: 69543
KADLLNR, V5I
Hyperscore=16.2565
p−value=0.0088
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b1
y1−NH3
y1
y2−H2O
b3
y3
y4
y5
y6

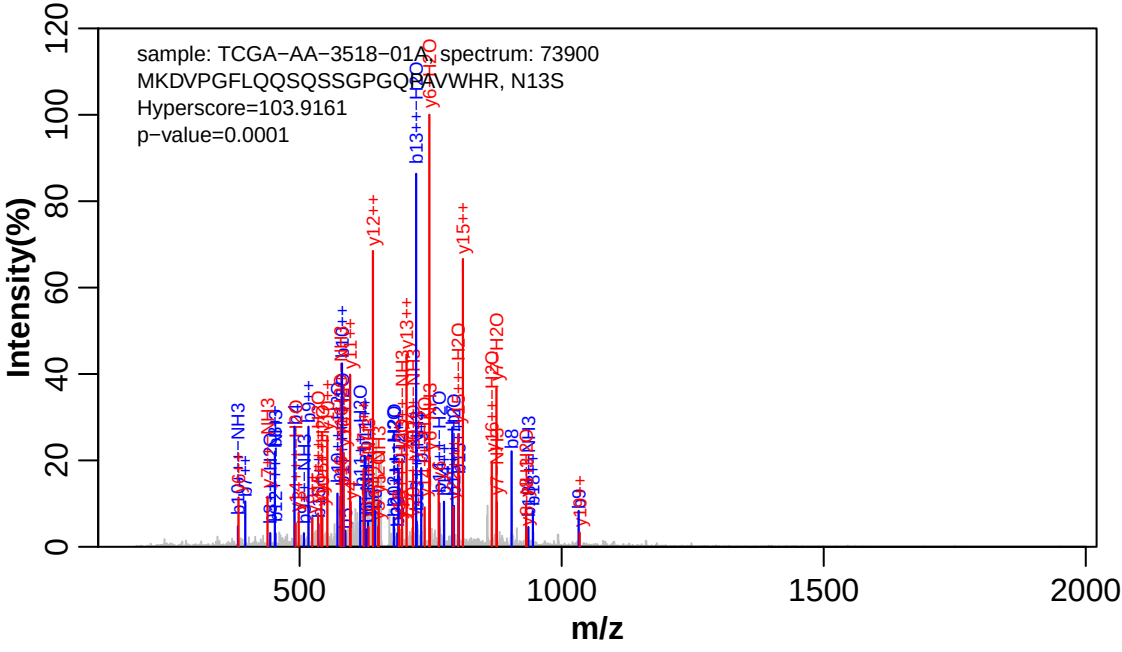

sample: TCGA−AA−3518−01A, spectrum: 8017
LEGLLEGLGLR, G6E
Hyperscore=29.0810
p−value=0.0019
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4
y4
y5−NH3
y5
b5
y6
b6
b7
y7−NH3
y7
b8
y8
b9
y9
b10

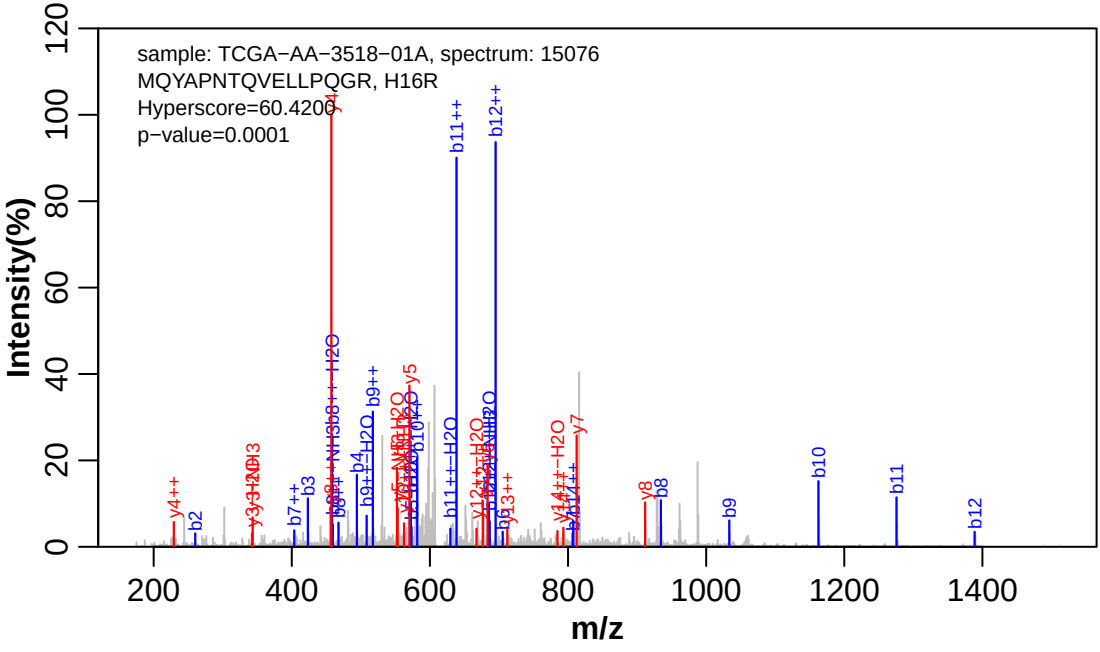

sample: TCGA−AA−3518−01A, spectrum: 36638
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=87.3623
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y7++
b7++
y4
y5
b10++
b11++
y6
b12++
b13++
y7
b14++
b5
b15++−H2O
b16++−NH3
b7
b8
y10
b9
b10
b11
b12

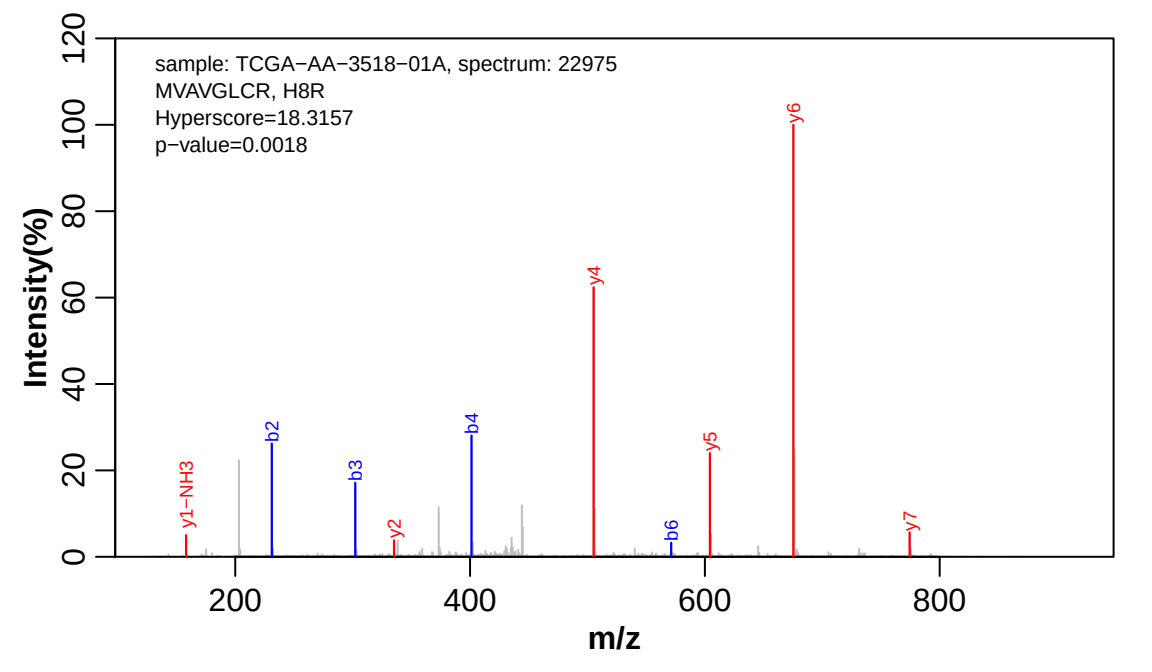

sample: TCGA−AA−3518−01A, spectrum: 28495
LLNLLADLVER, R4L
Hyperscore=39.9186
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

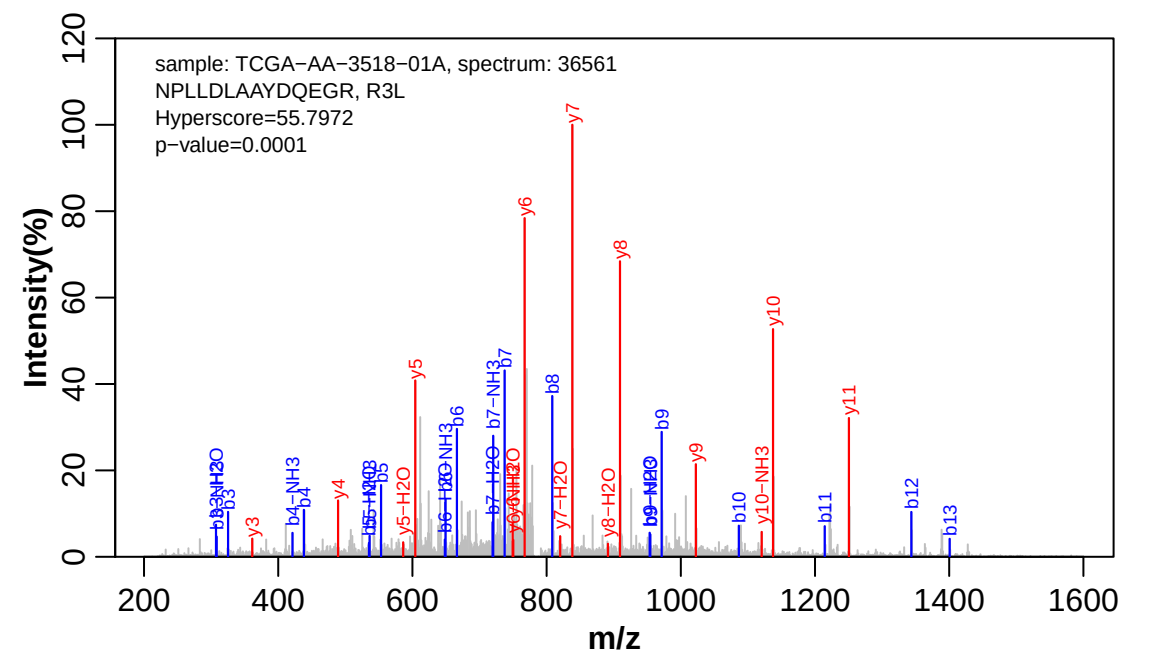

sample: TCGA−AA−3518−01A, spectrum: 144396
LTLVPVYTSPQLDMSCPLLQQNK, A4V
Hyperscore=34.6583
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
b3−H2O
b4
y4−NH3
y4
b6
b7
b15++
y14++−y7
y16++
b9
y7−b18−H2O−NH3
y9
y19++−H2O
y19++

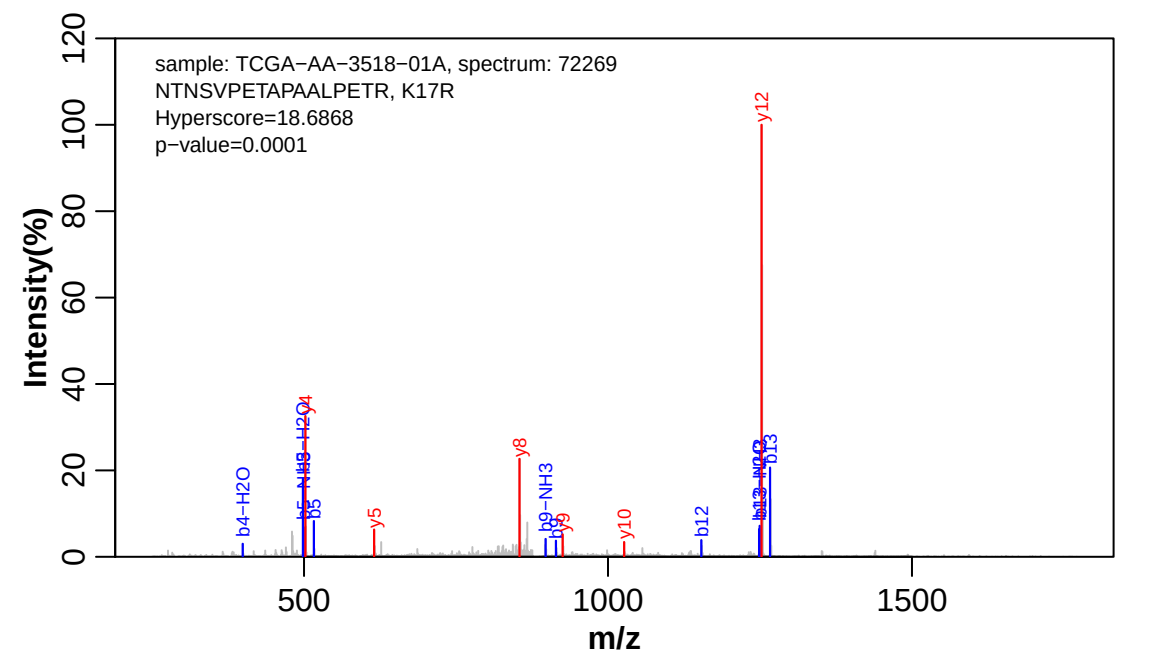

sample: TCGA−AA−3518−01A, spectrum: 76682
LTQAQLFDYSELPNFPR, G10S
Hyperscore=17.3969
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
y6
y7
y8
b9
y9
y10
b11
b12
b15

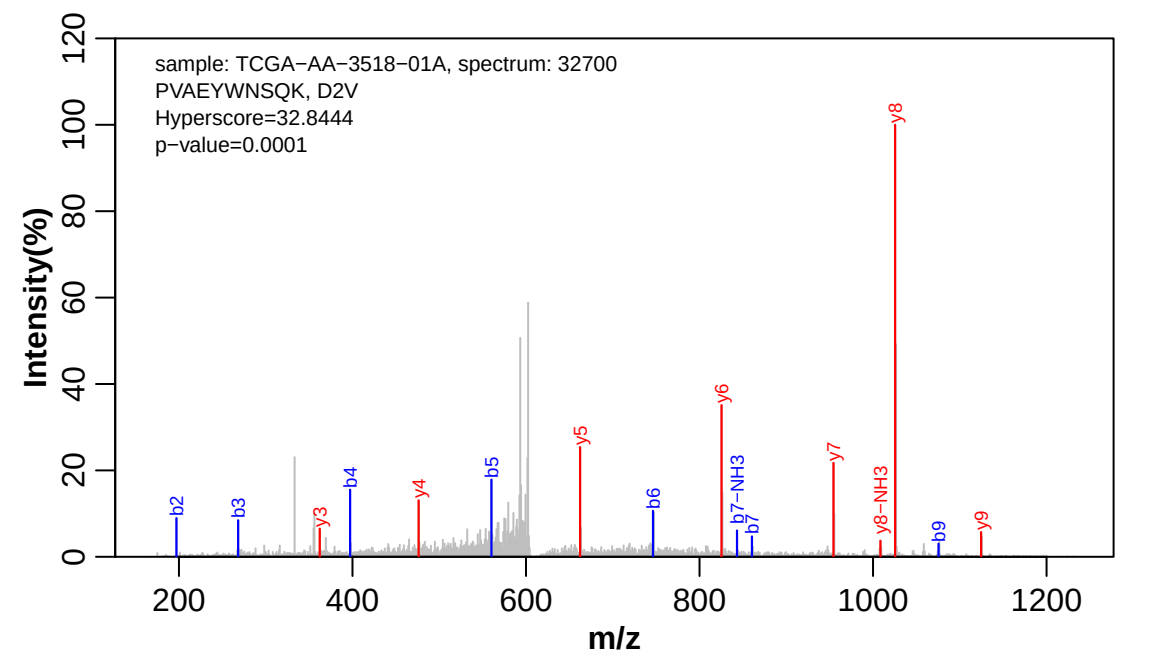

sample: TCGA−AA−3518−01A, spectrum: 73900
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=103.9161
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

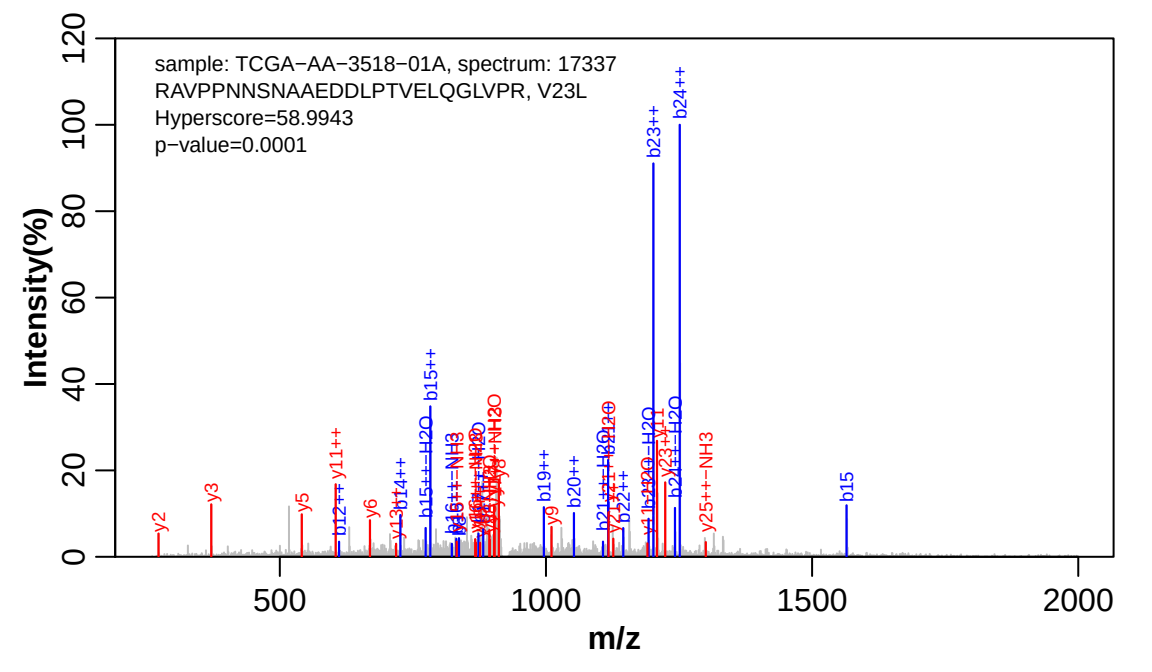

sample: TCGA−AA−3518−01A, spectrum: 15076
MQYAPNTQVELLPQGR, H16R
Hyperscore=60.4200
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4++
b2
b3
b7++
b4
b9++
b9++−H2O
y5
b11++−H2O
b11++
b12++
y7
y8
b8
b9
b10
b11
b12

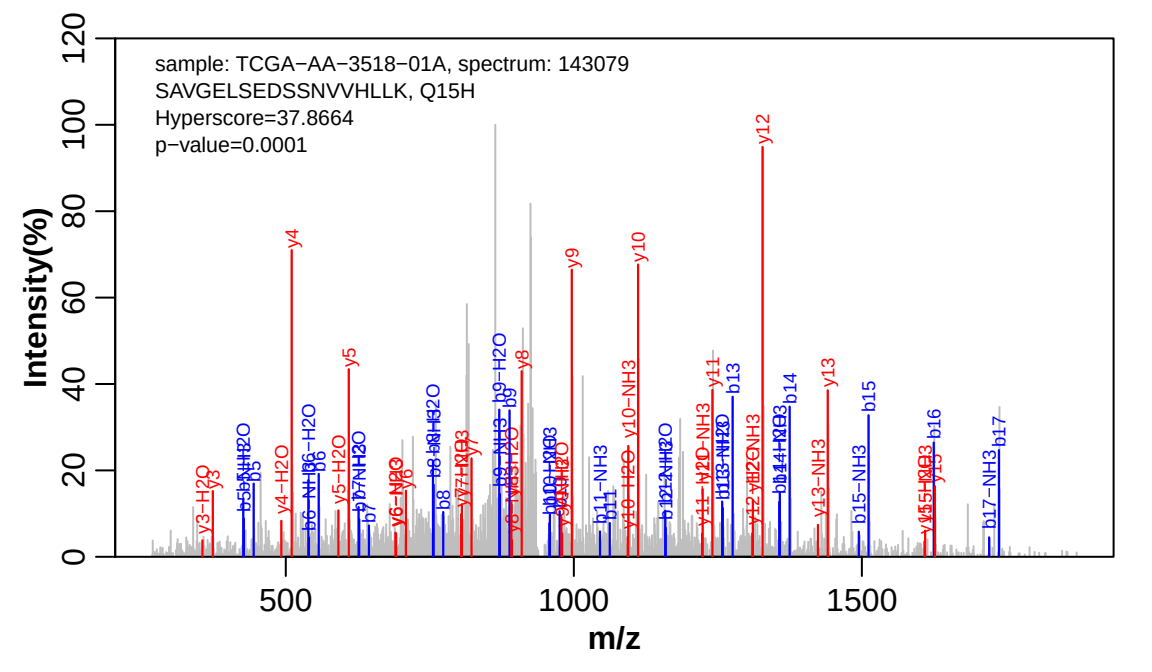

sample: TCGA−AA−3518−01A, spectrum: 22975
MVAVGLCR, H8R
Hyperscore=18.3157
p−value=0.0018
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
b2
b3
y2
b4
y4
b6
y5
y6
y7

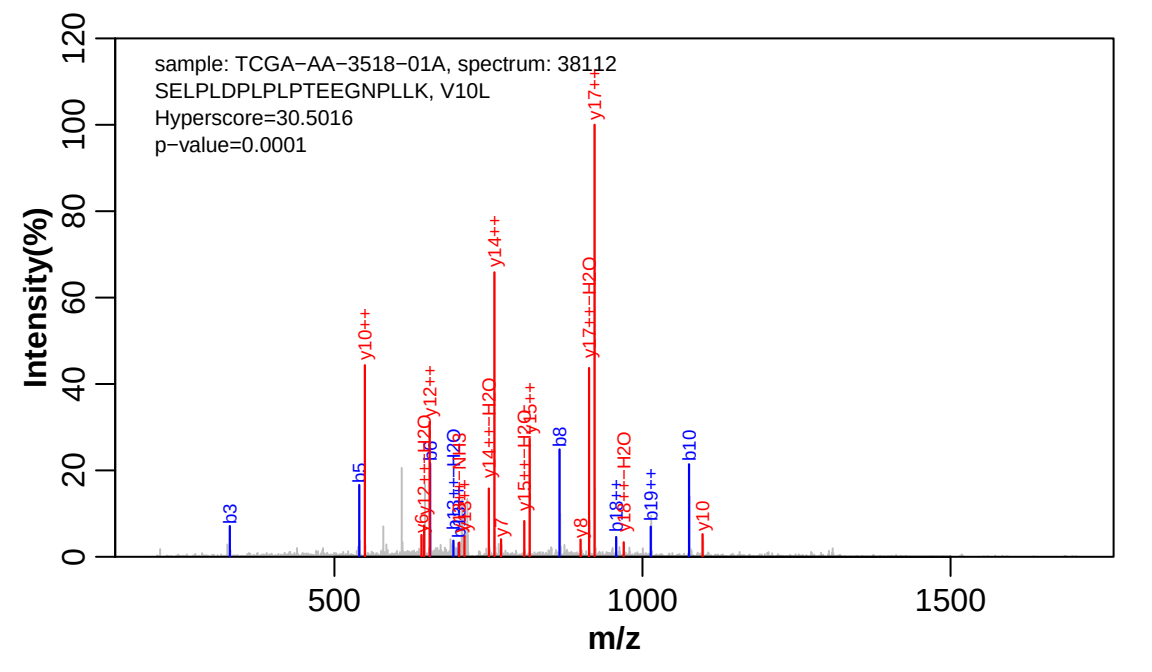

sample: TCGA−AA−3518−01A, spectrum: 36561
NPLLDLAAYDQEGR, R3L
Hyperscore=55.7972
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y6
y8
y10
y5
y11
b8
b7
b7−NH3
b6
b9
y9
y5−H2O
y7−H2O
y8−H2O
y10−NH3
b10
b11
b12
b13
b4−NH3
y4
y3
b3

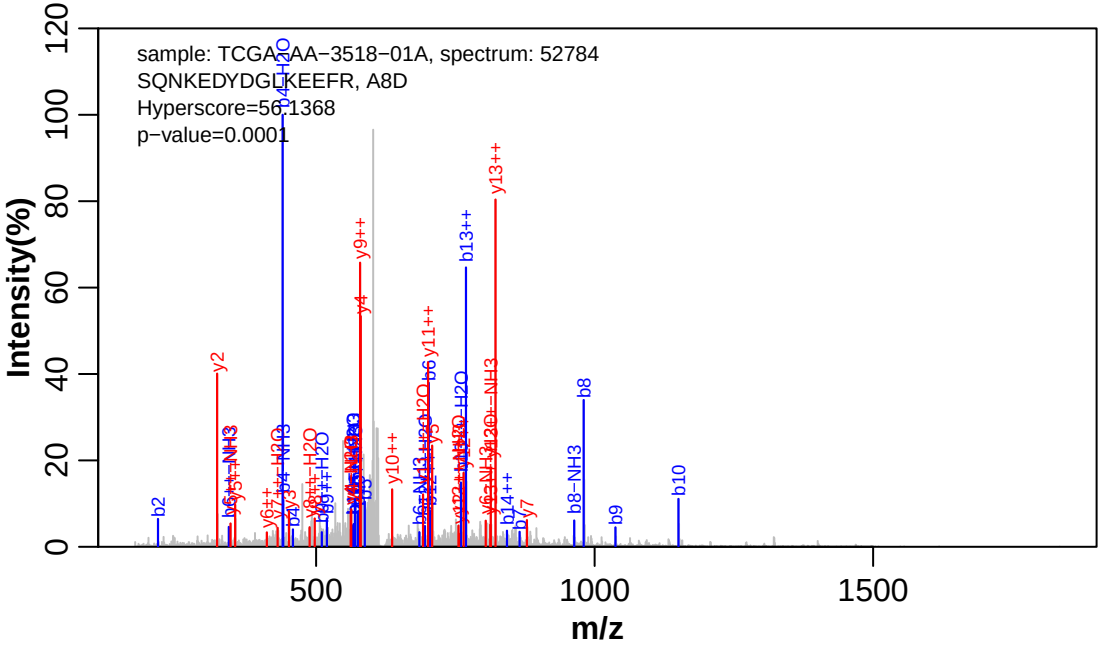

sample: TCGA−AA−3518−01A, spectrum: 72269
NTNSVPETAPAALPETR, K17R
Hyperscore=18.6868
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
y10
b12
b4−H2O
b9−NH3

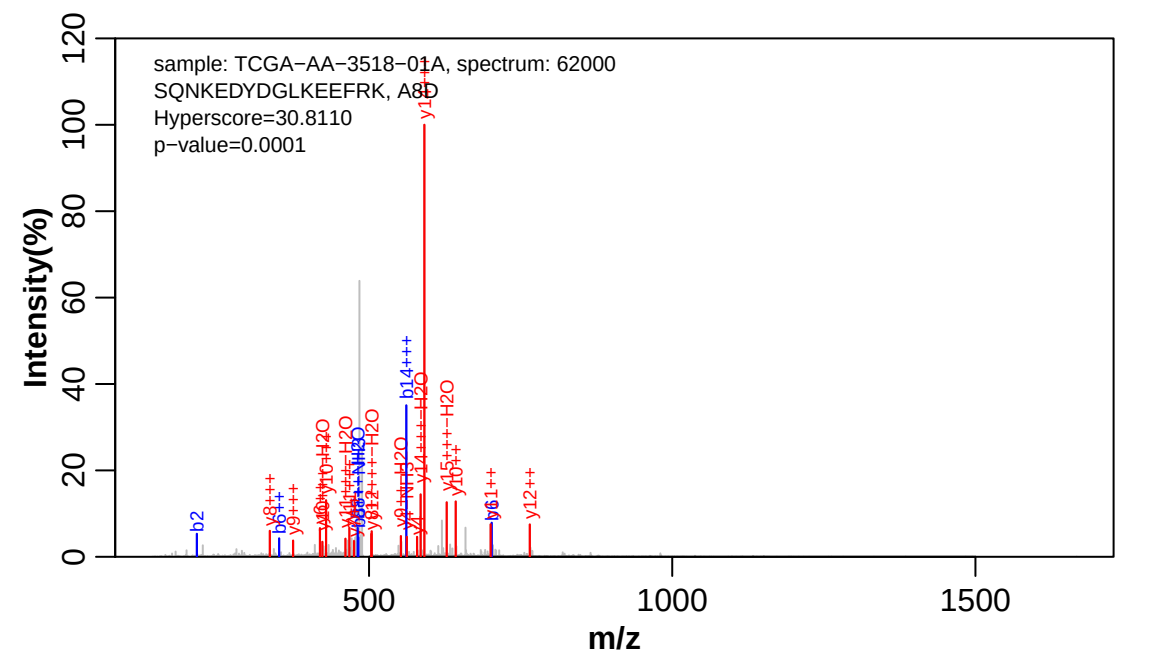

sample: TCGA−AA−3518−01A, spectrum: 32700
PVAEYWNSQK, D2V
Hyperscore=32.8444
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b3
y3
b4
y4
b5
y5
b6
y6
b7−NH3
b7
y7
y8−NH3
y8
b9
y9

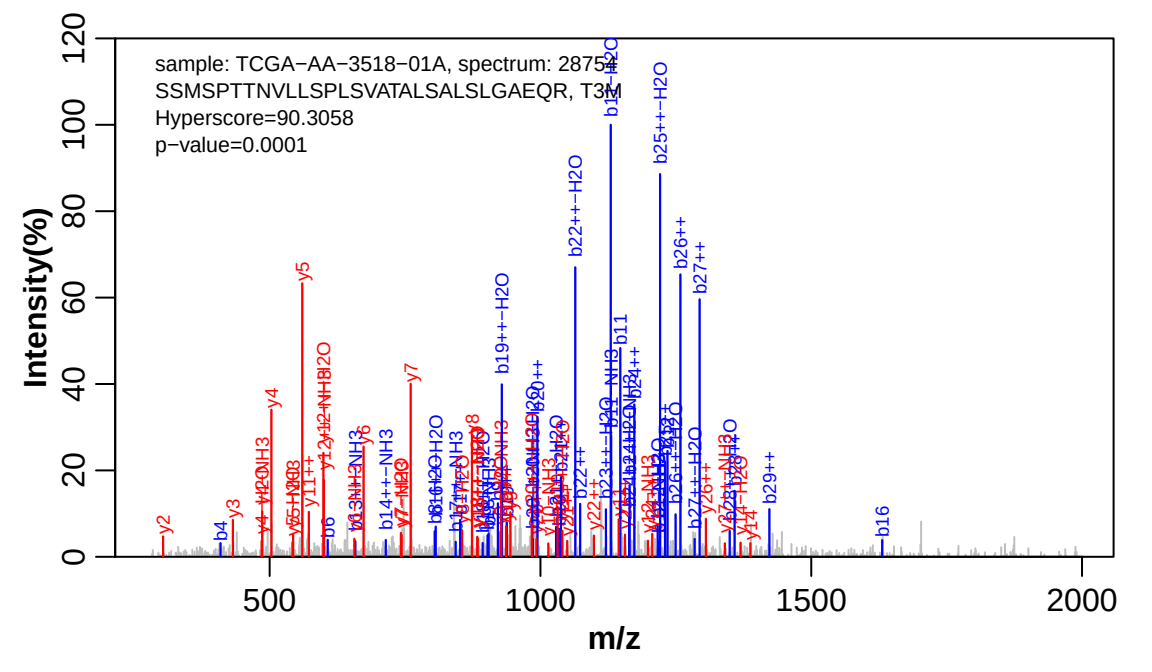

sample: TCGA−AA−3518−01A, spectrum: 17337
RAVPPNNSNAAEDDLPTVELQGLVPR, V23L
Hyperscore=58.9943
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y5
b12++
y11++
y6
y13
b14++
b15++−H2O
b15++
b16++−NH3
b19++
y9
b20++
b21++−H2O
b22++
b23++
b24++
y23++
b25++−H2O
y25++−NH3
b15

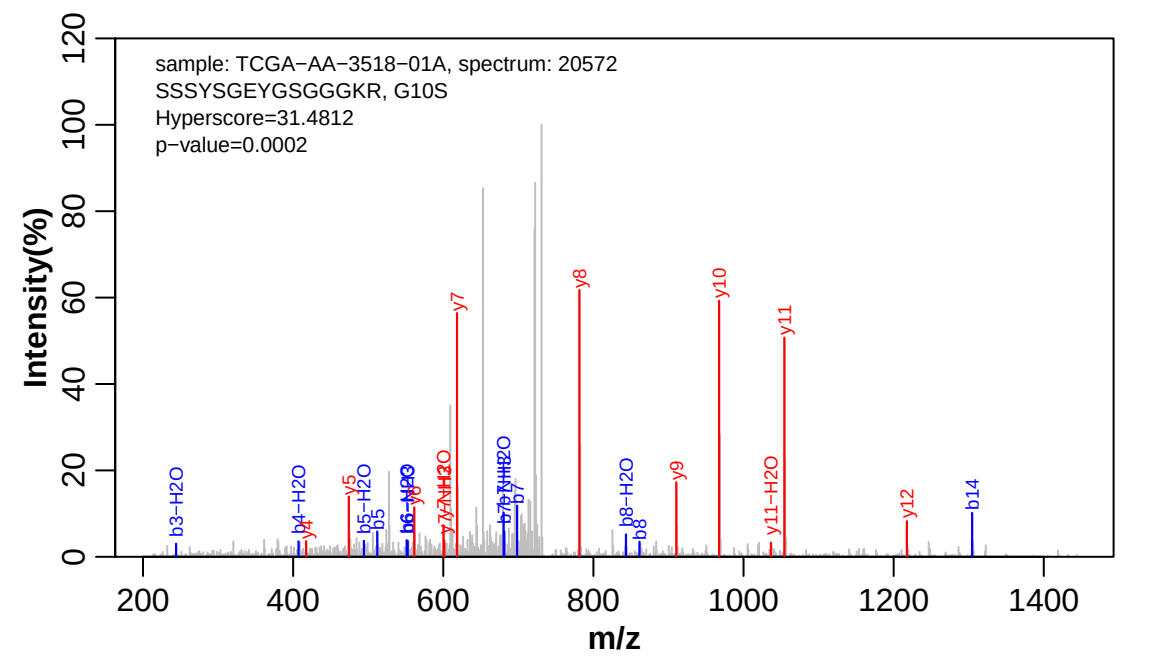

sample: TCGA−AA−3518−01A, spectrum: 143079
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=37.8664
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y9
y10
y12
y13
b15
b16
b17
y3−H2O
y4−H2O
y5−H2O
y3
b5
b6
b7
y6
b8
y7
b9−H2O
y8
b9
b11−NH3
y10−H2O
y10−NH3
y11
b13
b14
y11−NH3
y12−NH3
y13−NH3
b15−NH3
b17−NH3

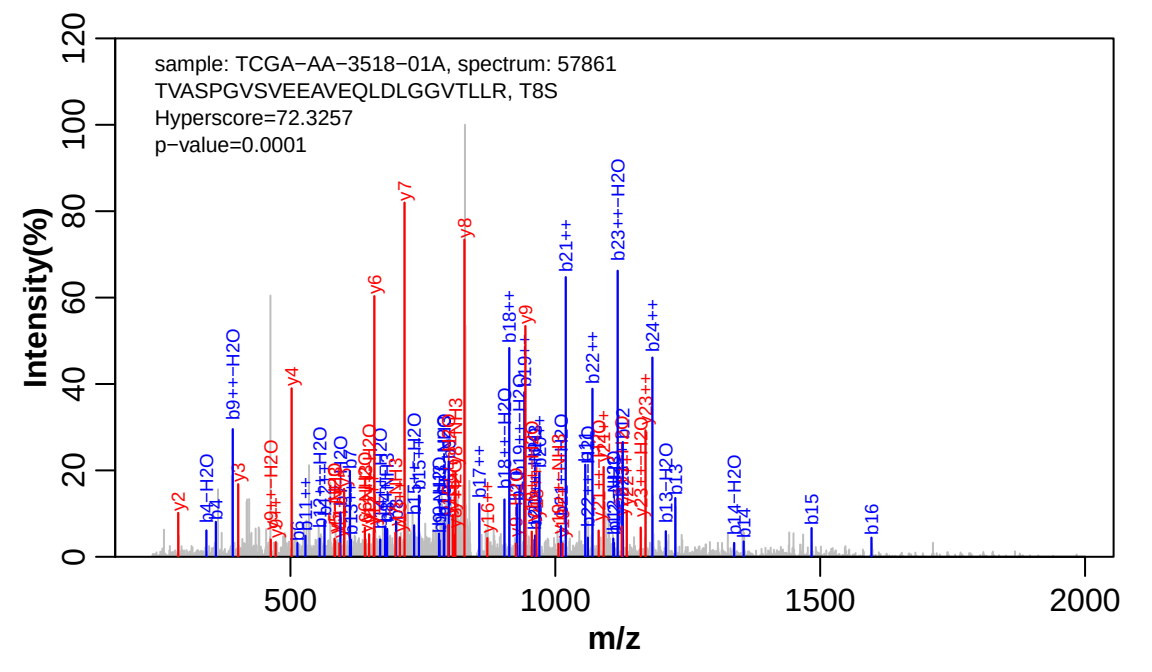

sample: TCGA−AA−3518−01A, spectrum: 38112
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=30.5016
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
h5
y10++
y12++
y6++−H2O
b8
y14++−H2O
y14++
y7
y15++−H2O
y15++
b8
y8
y17++−H2O
y17++
b18++−H2O
b19++
b10
y10

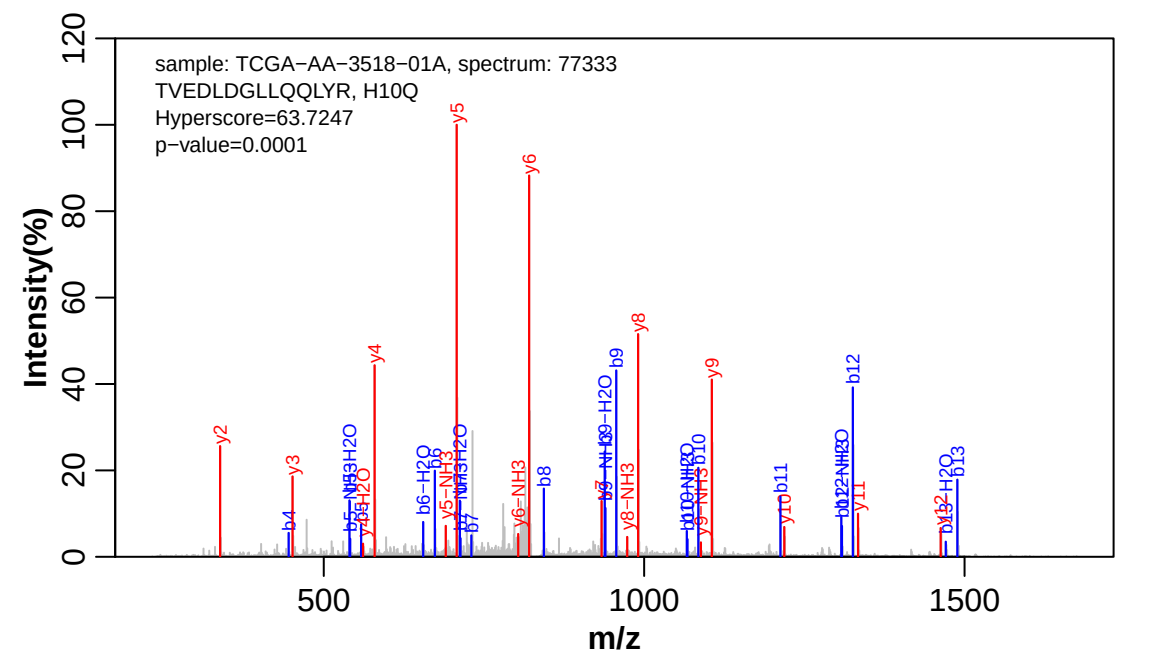

sample: TCGA-AA-3518-01A, spectrum: 52784
SQNKEDYDGLKEEFR, A8D
Hyperscore=56.1368
p-value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
b4-H2O
y4
y9++
y13++
b13++
y11++
b8
b8-NH3
b9
b10
y10++
b14++
y7

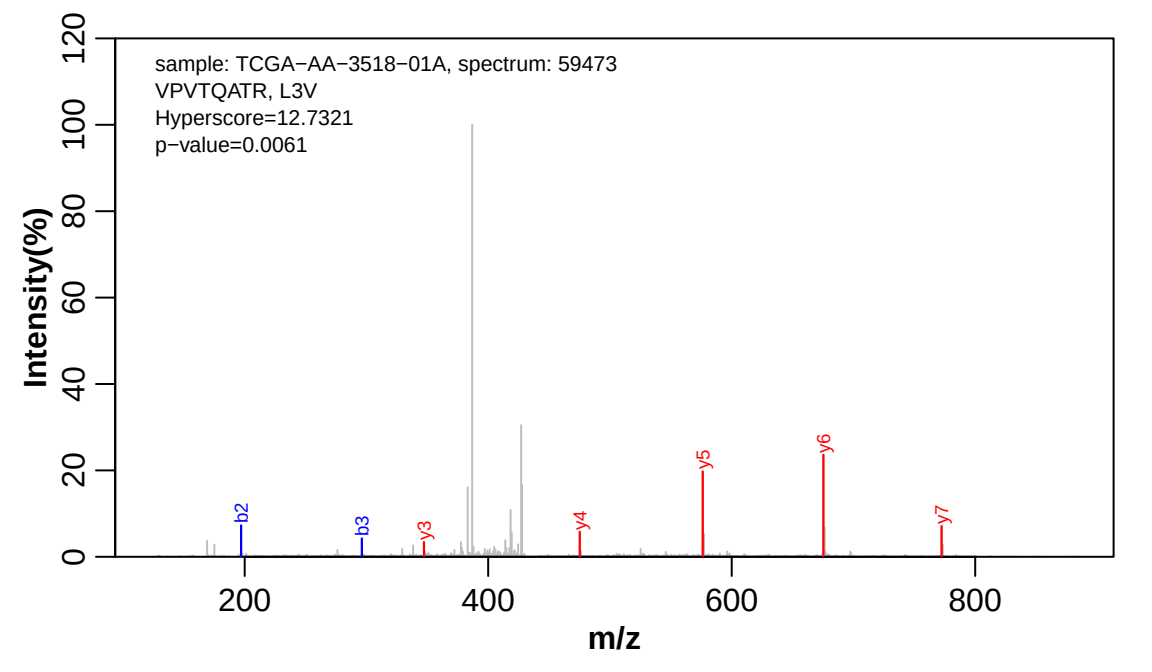

sample: TCGA−AA−3518−01A, spectrum: 62000
SQNKEDYDGLKEEFRK, A8D
Hyperscore=30.8110
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y8++
b6++
y9+++
y12++−H2O
b14+++
y15+++−H2O
y10++
b6++
y12++

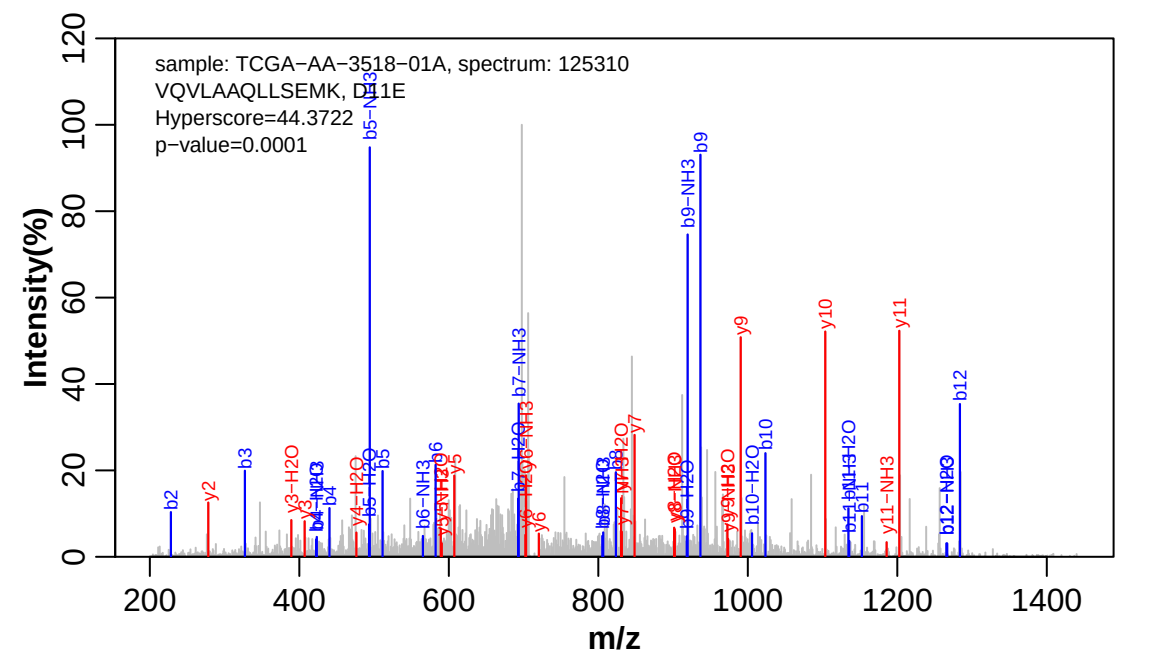

sample: TCGA−AA−3518−01A, spectrum: 28754
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=90.3058
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b4
y3
y4
y5
y6
y7
b14++−NH3
b19++−H2O
b22++−H2O
b15++−H2O
b25++−H2O
b11
b26++
b27++
b29++
b16

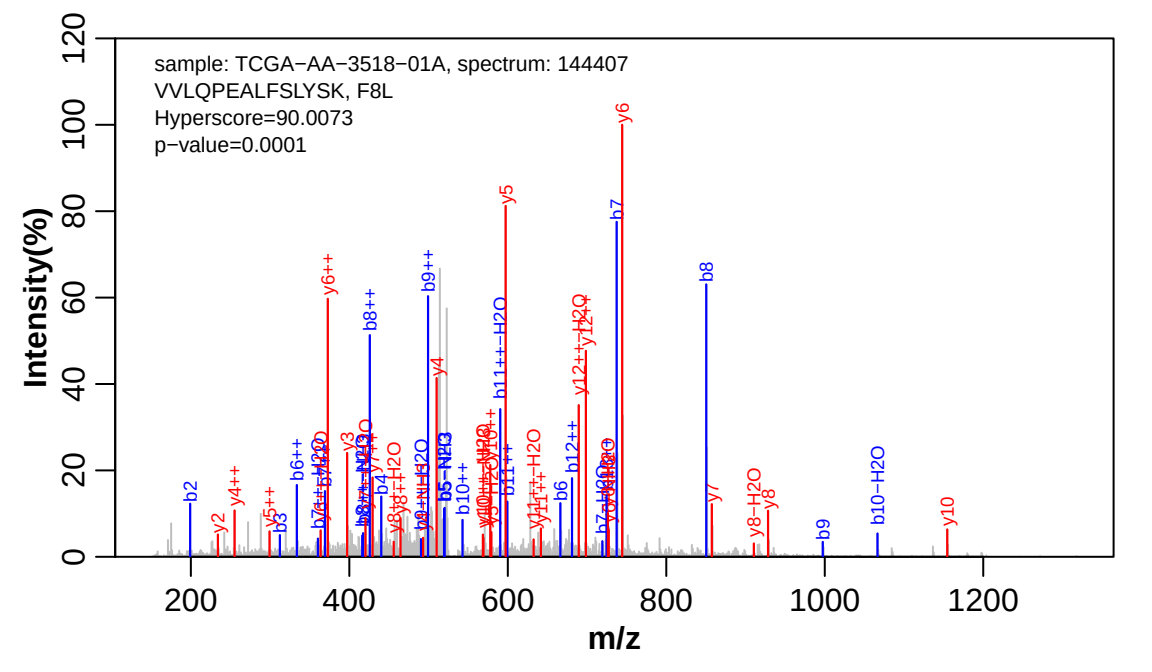

sample: TCGA−AA−3518−01A, spectrum: 20572
SSSYSGEYGSGGGKR, G10S
Hyperscore=31.4812
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
y4
y4−H2O
y5
b5−H2O
b5
y7
y8
y10
y11
b7
b8−H2O
b8
y9
y11−H2O
y12
b14

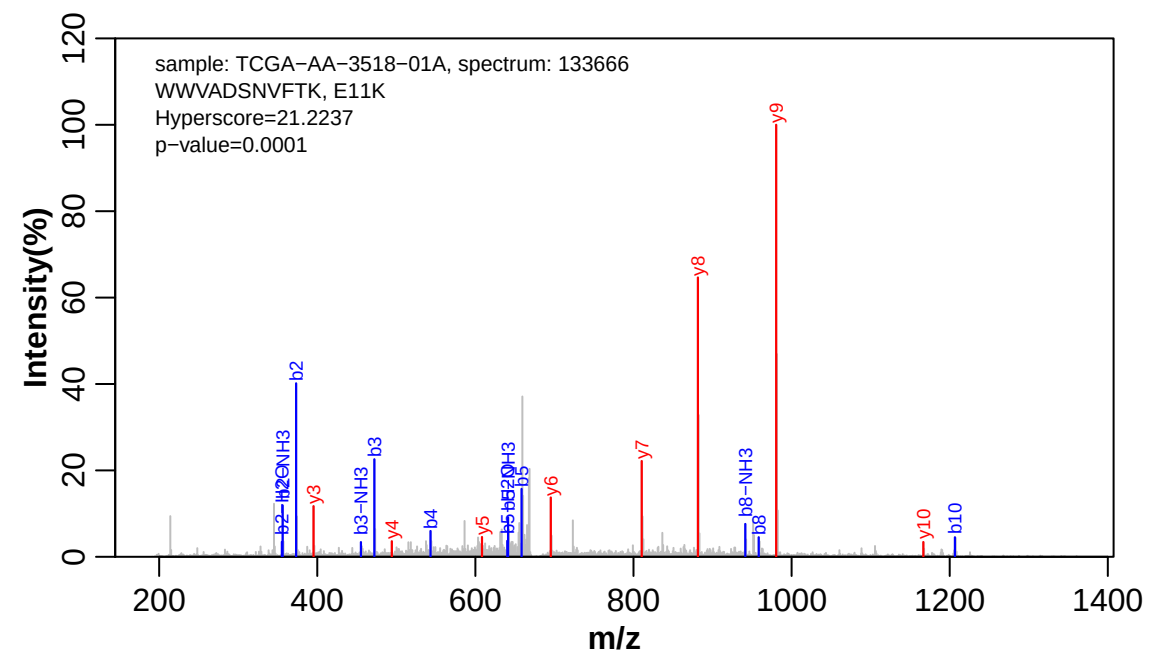

sample: TCGA−AA−3518−01A, spectrum: 57861
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=72.3257
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b4−H2O
b4
y3
b9++−H2O
y4
y8++−H2O
b11++
y6
y7
y8
b15+−H2O
b17++
y16++
b18++−H2O
b18++
y9++
b21++
b22++
b23++−H2O
b24++
y23++−H2O
b13−H2O
b13
b14−H2O
b14
b15
b16

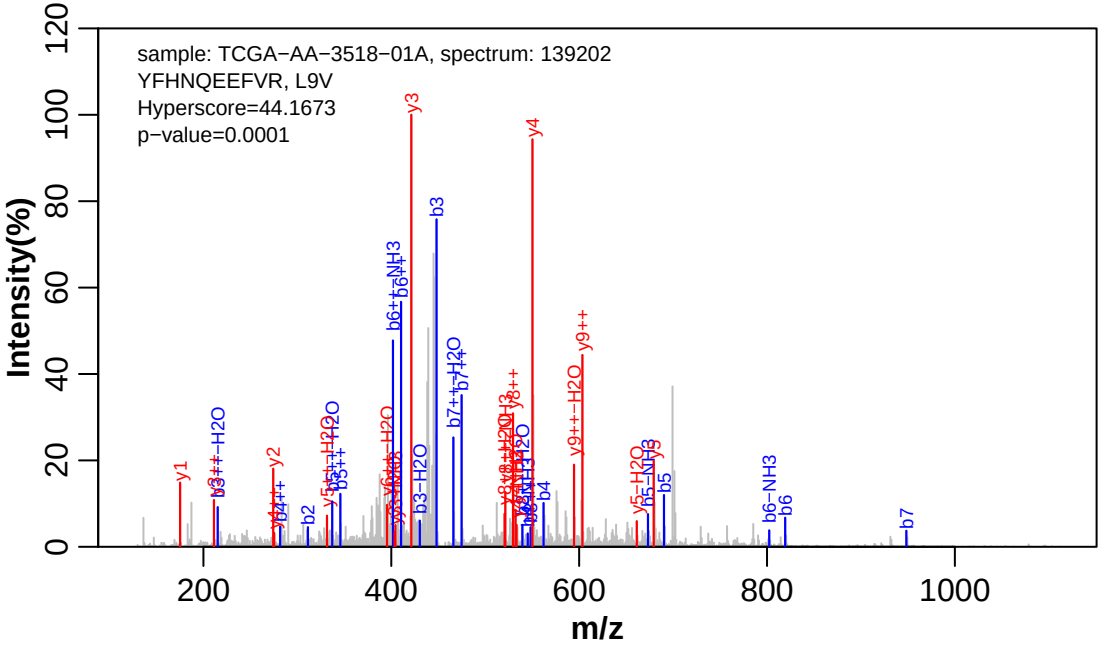

sample: TCGA−AA−3518−01A, spectrum: 77333
TVEDLDGLLQQLYR, H10Q
Hyperscore=63.7247
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
b4
y4
y5
y6
b8
y8
b9
y9
b12
y10
b11
y11
b13
y12
y5−NH3
y6−NH3
y8−NH3
y9−NH3
b6−H2O
b9−H2O
b12−NH3
b12−H2O

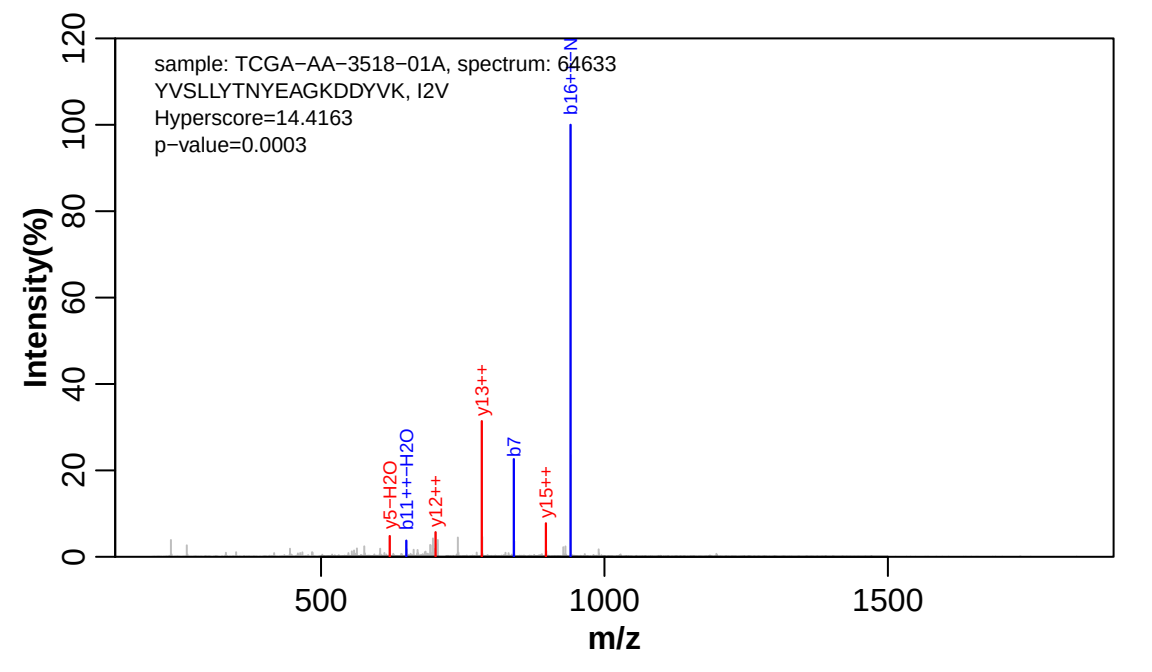

sample: TCGA−AA−3518−01A, spectrum: 59473
VPVTQATR, L3V
Hyperscore=12.7321
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3
y4
y5
y6
y7

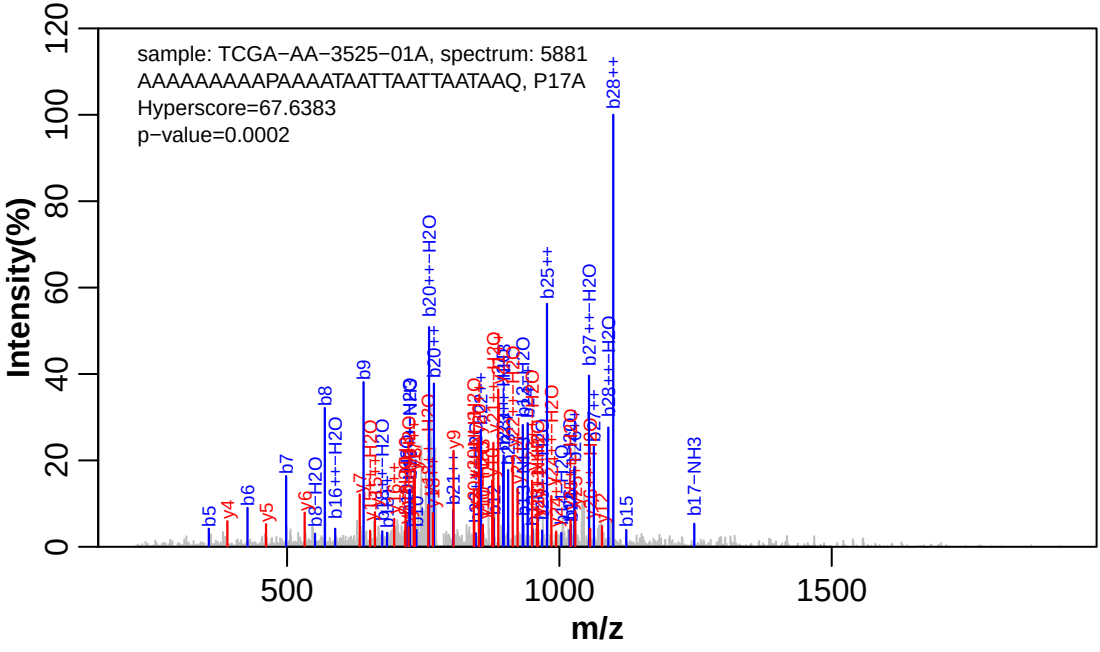

sample: TCGA−AA−3518−01A, spectrum: 125310
VQVLAAQLLSEMK, D11E
Hyperscore=44.3722
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3−H2O
b4
y4−H2O
b5−NH3
b5
b6−NH3
y5
b7−NH3
b7−H2O
y6
b9−NH3
b9
y7
y9
y10
b10
b10−H2O
y11
y11−NH3
b12

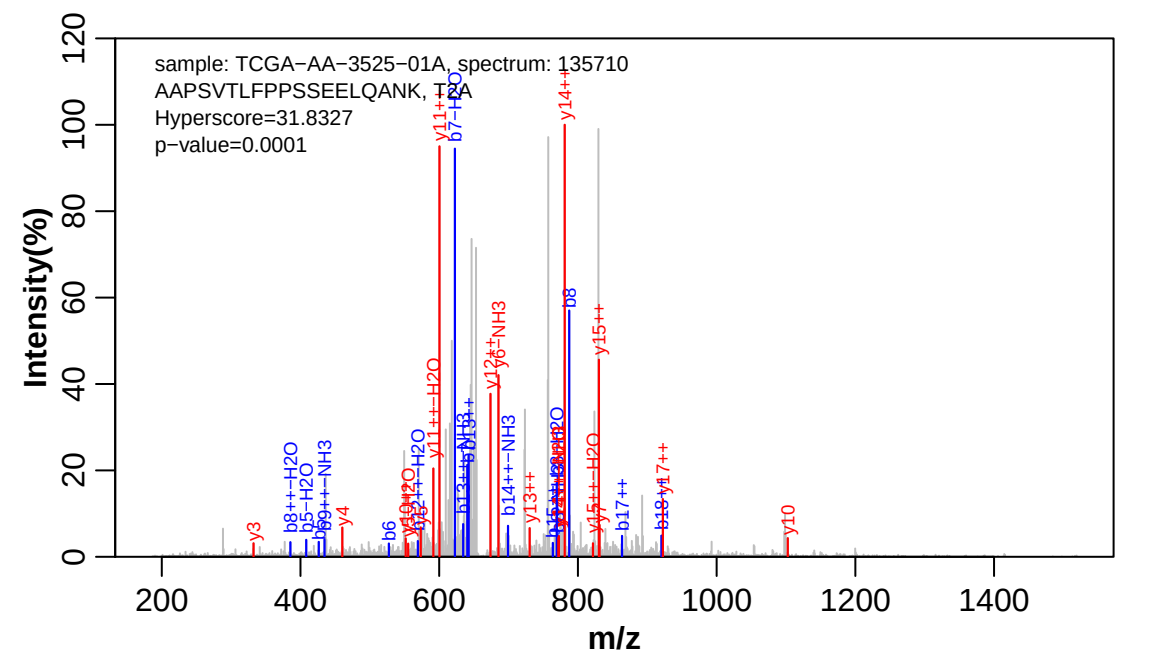

sample: TCGA−AA−3518−01A, spectrum: 144407
VVLQPEALFSLYSK, F8L
Hyperscore=90.0073
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y4++
y5++
b3
b6++
b7++-H2O
y6++
y3
b8++
b4
b9++
b10++
y4
b11++-H2O
y5
b7
b8
y6
b12++
y12++-H2O
b11++
y11++-H2O
b6
y7
y8-H2O
y8
b9
b10-H2O
y10

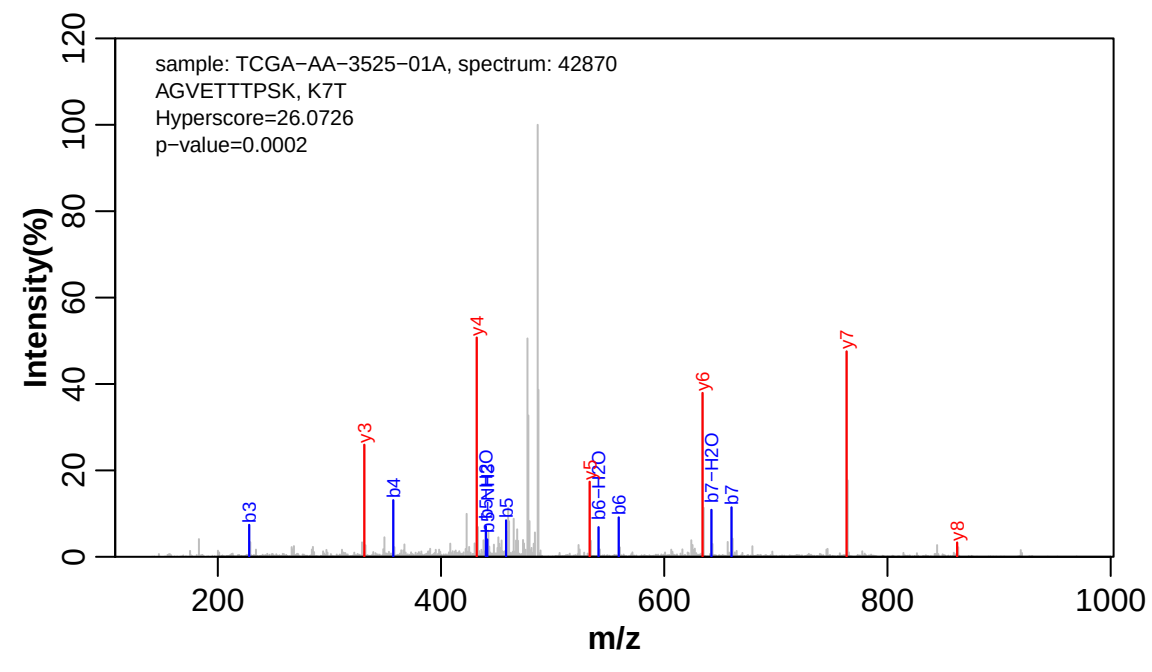

sample: TCGA−AA−3518−01A, spectrum: 133666
WWVADSNVFTK, E11K
Hyperscore=21.2237
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b2−NH3
y3
b3
b3−NH3
y4
b4
y5
b5
b5−NH3
y6
y7
y8
y9
b8−NH3
b8
y10
b10

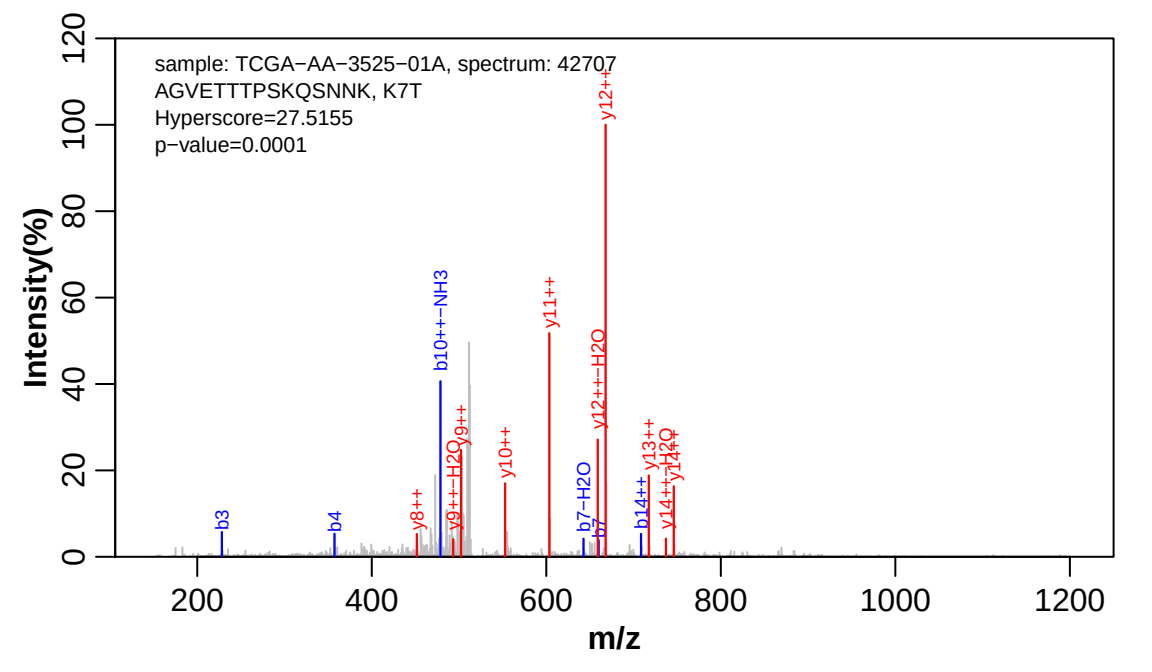

sample: TCGA−AA−3518−01A, spectrum: 139202
YFHNQEEFVR, L9V
Hyperscore=44.1673
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b3++−H2O
y2
y4++
b2
b3++
y5++−H2O
b3−H2O
y6++−H2O
y3
b6++−NH3
b6++
b3
b7++−H2O
b7++
y8++
y9++−H2O
y9++
y4
b4
y5−H2O
y5−NH3
y5
b5
b6−NH3
b6
b7

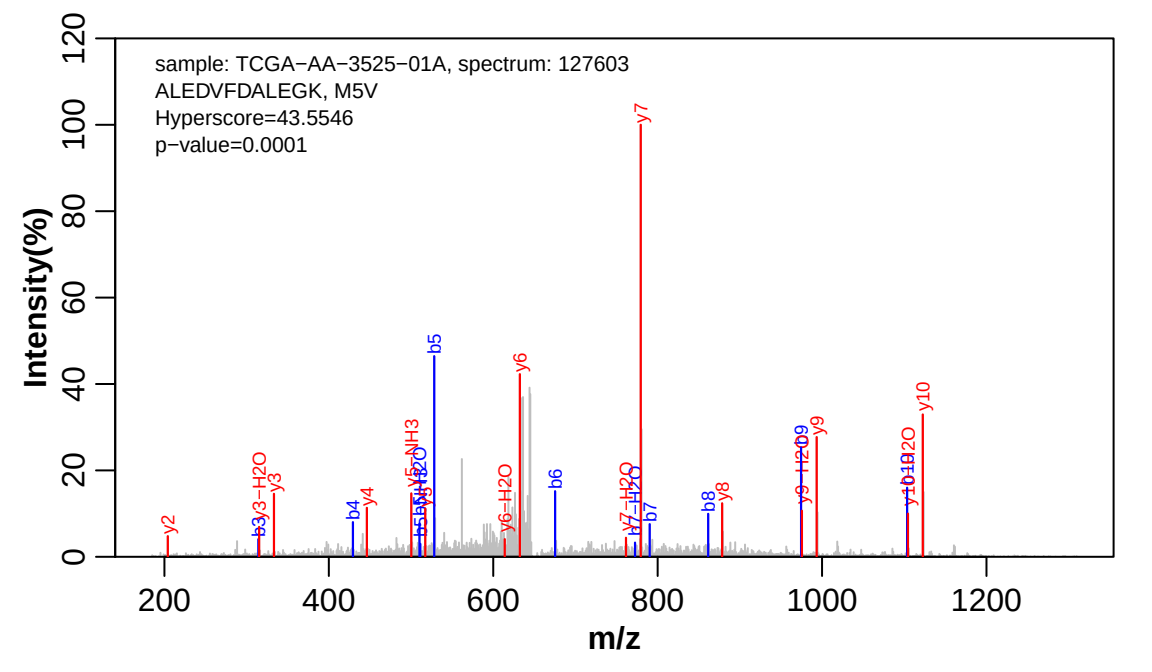

sample: TCGA−AA−3518−01A, spectrum: 64633
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=14.4163
p−value=0.0003
b16++−N
y13++
b7
y15++
y5−H2O
b11++−H2O
y12++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

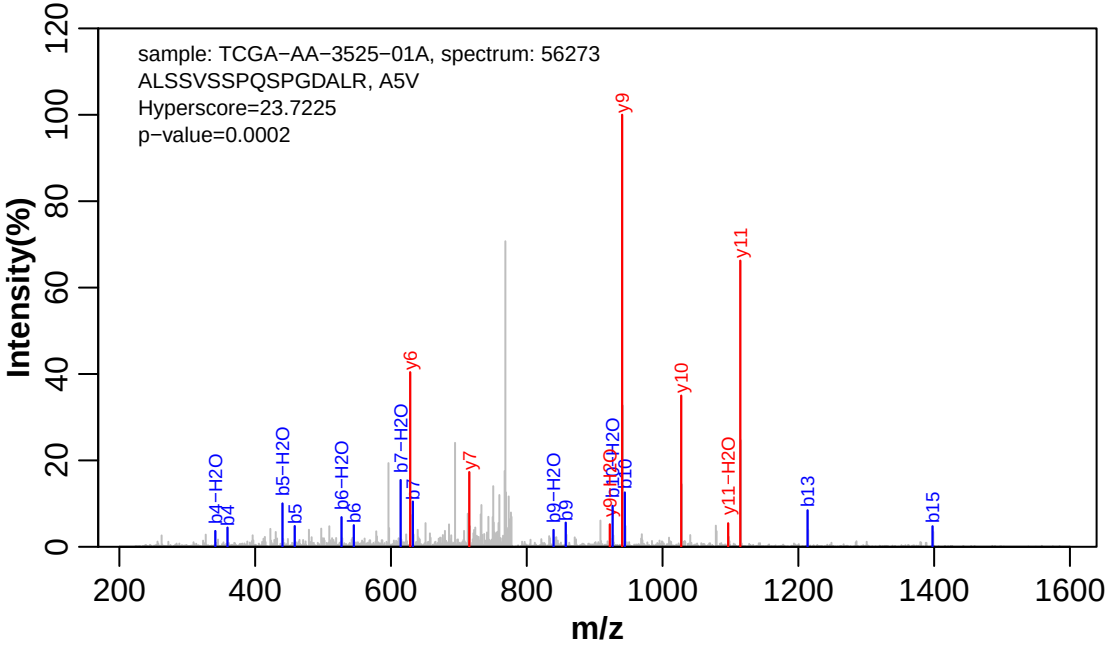

sample: TCGA−AA−3525−01A, spectrum: 5881
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=67.6383
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b25++
b20++−H2O
b20++
b9
b8
b7
b6
b5
y4
y5
y6
b16++−H2O
b27++−H2O
b28++−H2O
b15
b17−NH3

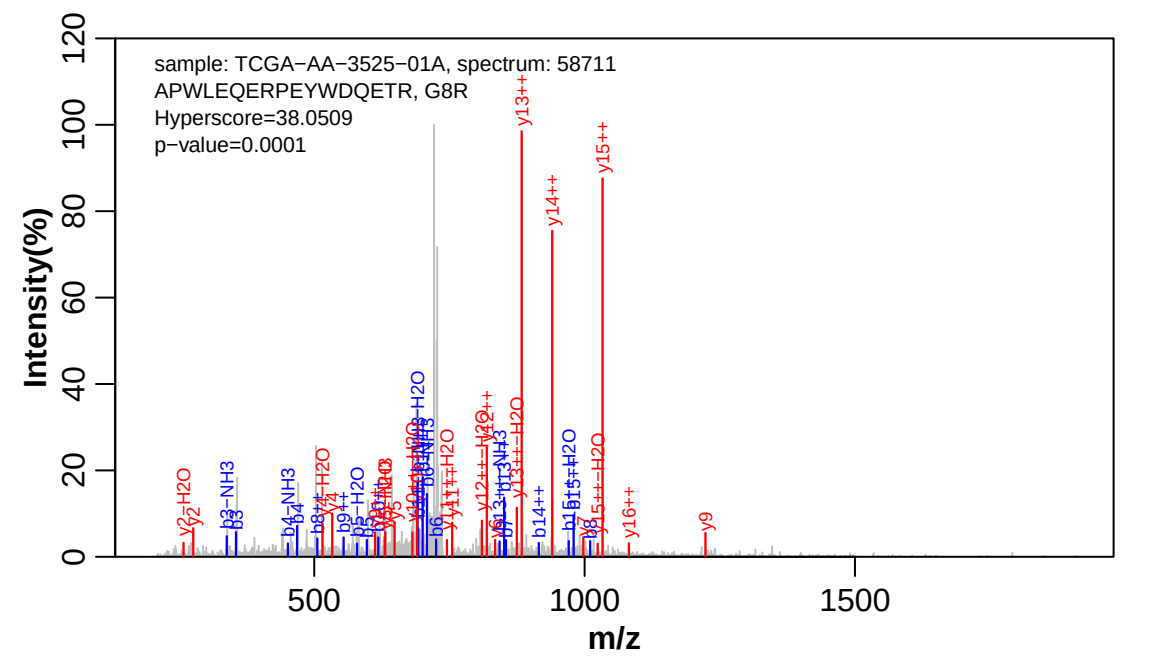

sample: TCGA−AA−3525−01A, spectrum: 135710
AAPSVTLFPPSSEELQANK, TRA
Hyperscore=31.8327
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b8++−H2O
b5−H2O
b9++−NH3
y4
b6
y11++−H2O
y11+
b7−+H2O
y14++
y12++−NH3
y6+
b8
y15++
b14++−NH3
y13++
y15++−H2O
y7+
b17++
b18
y17++
y10

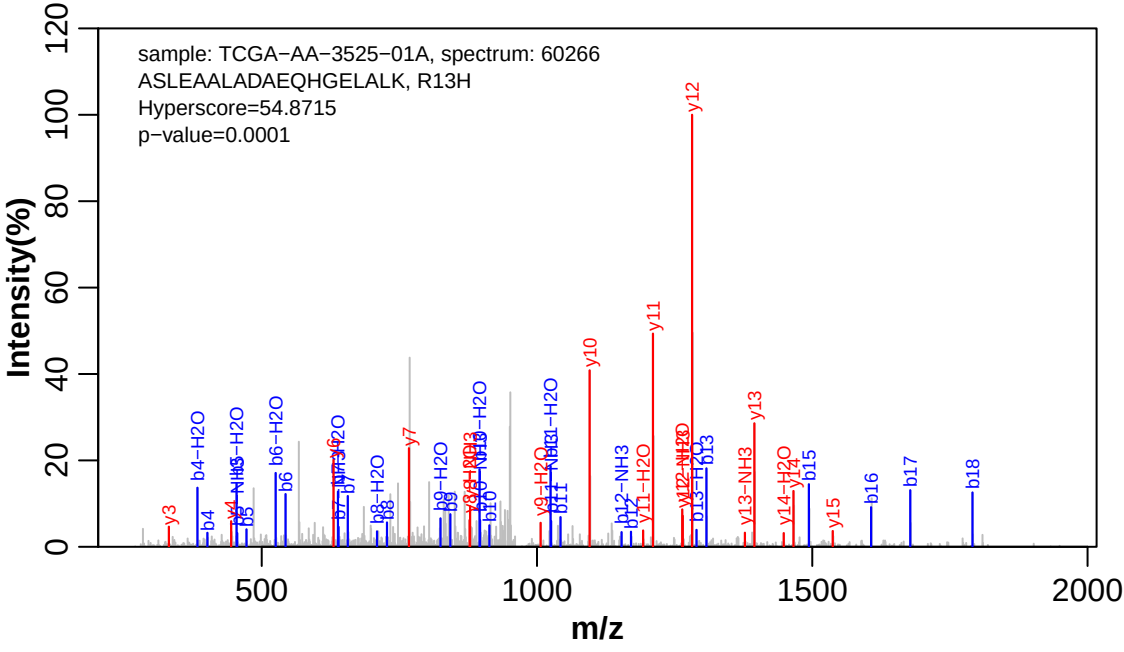

sample: TCGA−AA−3525−01A, spectrum: 42870
AGVETTTPSK, K7T
Hyperscore=26.0726
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b3
y3
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8

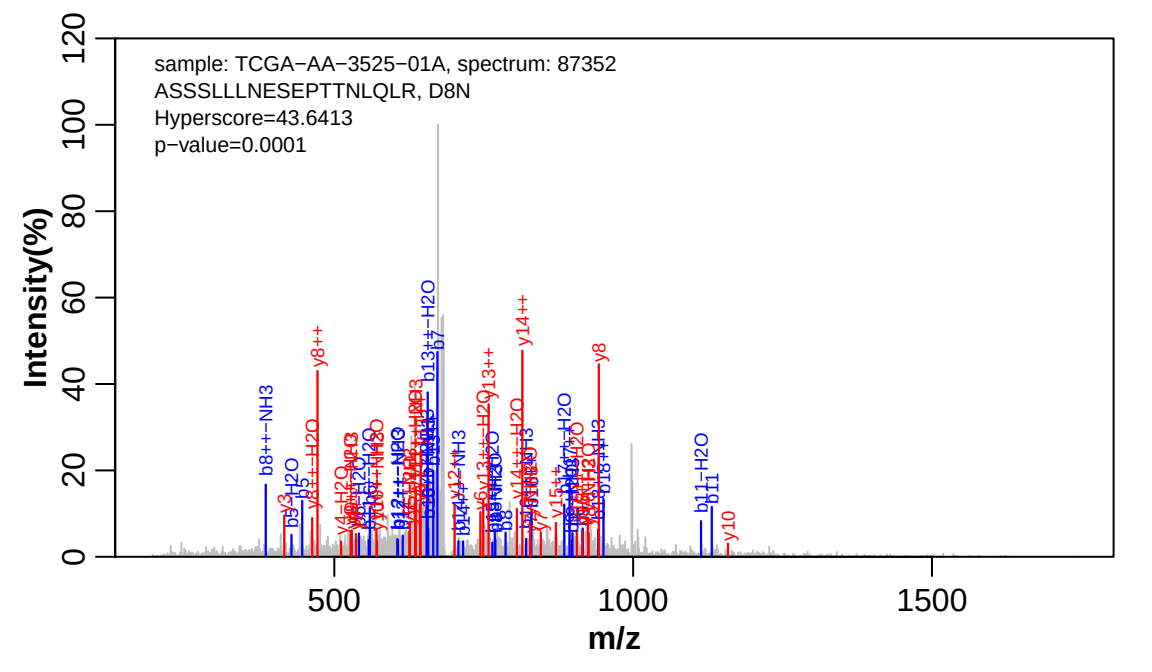

sample: TCGA−AA−3525−01A, spectrum: 42707
AGVETTTPSKQSNNK, K7T
Hyperscore=27.5155
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
b4
y8++
b10++−NH3
y9++−H2O
y9++
y10++
y11++
b7−H2O
b7
y12++−H2O
y12++
b14++
y13++
y14++−H2O
y14++

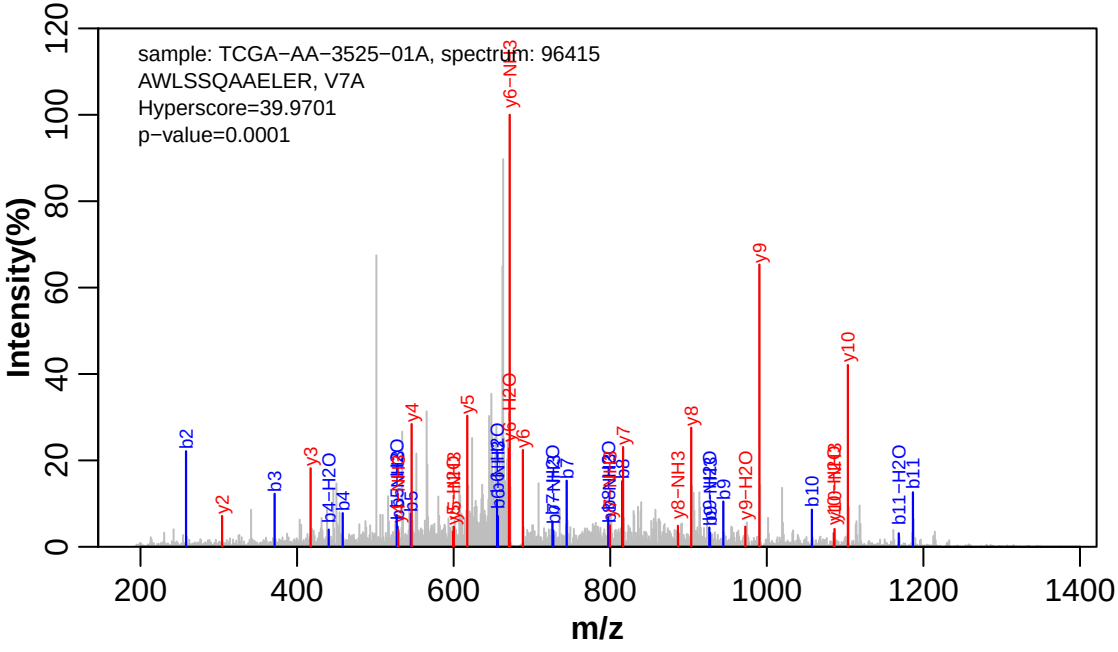

sample: TCGA−AA−3525−01A, spectrum: 127603
ALEDVFDALEGK, M5V
Hyperscore=43.5546
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3/3−H2O
y3
b4
y4
b5
y6
y6−H2O
b6
y7
y7−H2O
b7
b8
y8
y9
y9−H2O
y10
y10−H2O

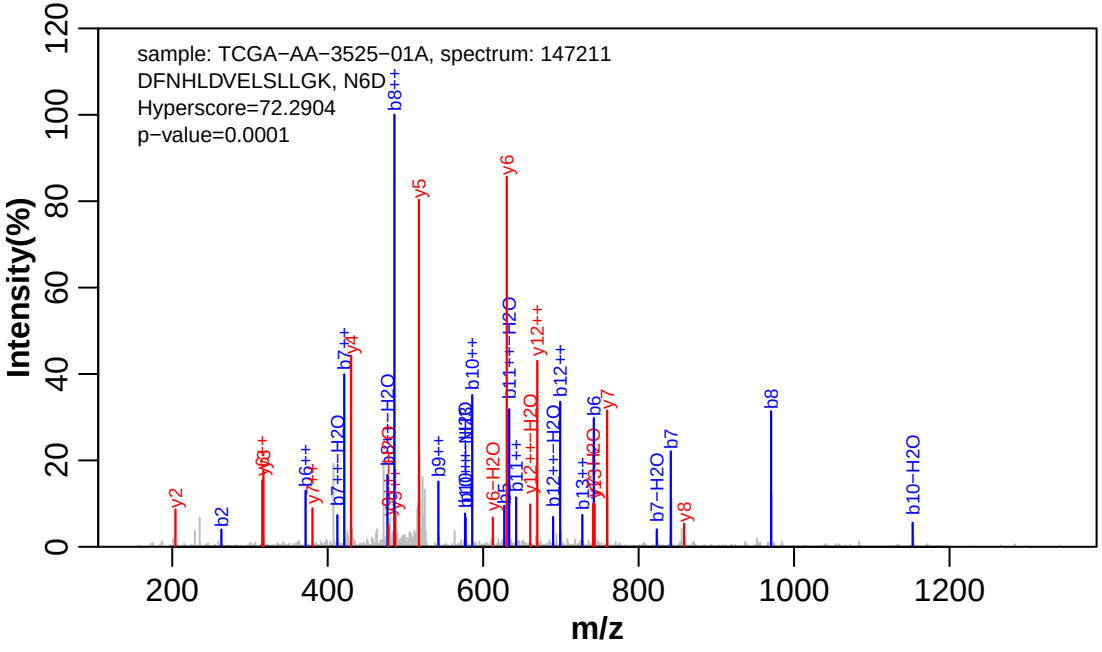

sample: TCGA−AA−3525−01A, spectrum: 56273
ALSSVSSPQSPGDALR, A5V
Hyperscore=23.7225
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y11
y10
y6
y7
y11−H2O
b13
b15
b4−H2O
b4
b5−H2O
b5
b6−H2O
b6
b7−H2O
b7
b9−H2O
b9
y9−H2O
b10

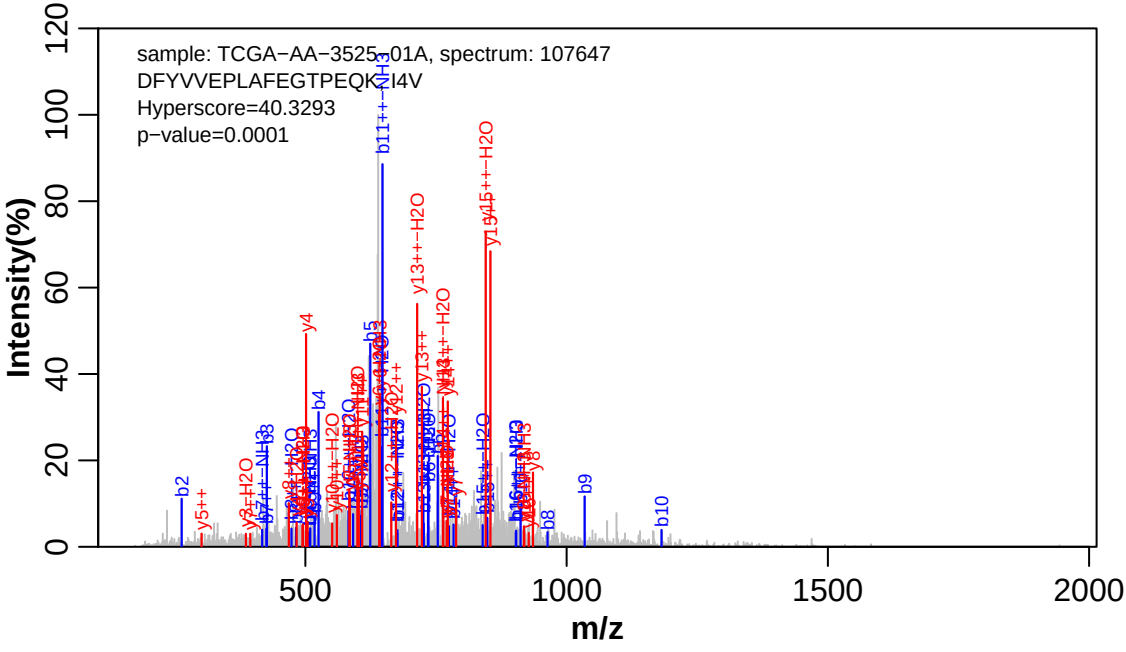

sample: TCGA−AA−3525−01A, spectrum: 58711
APWLEQERPEYWDQETR, G8R
Hyperscore=38.0509
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y13++
y15++
y14++
y16++
y9
b14++
y2−H2O
b3−NH3
b4−NH3
b8++−H2O
b9++
b5−H2O
y11++−H2O
y12++−H2O
y13++−H2O
b15++−H2O
b15++
y15++−H2O

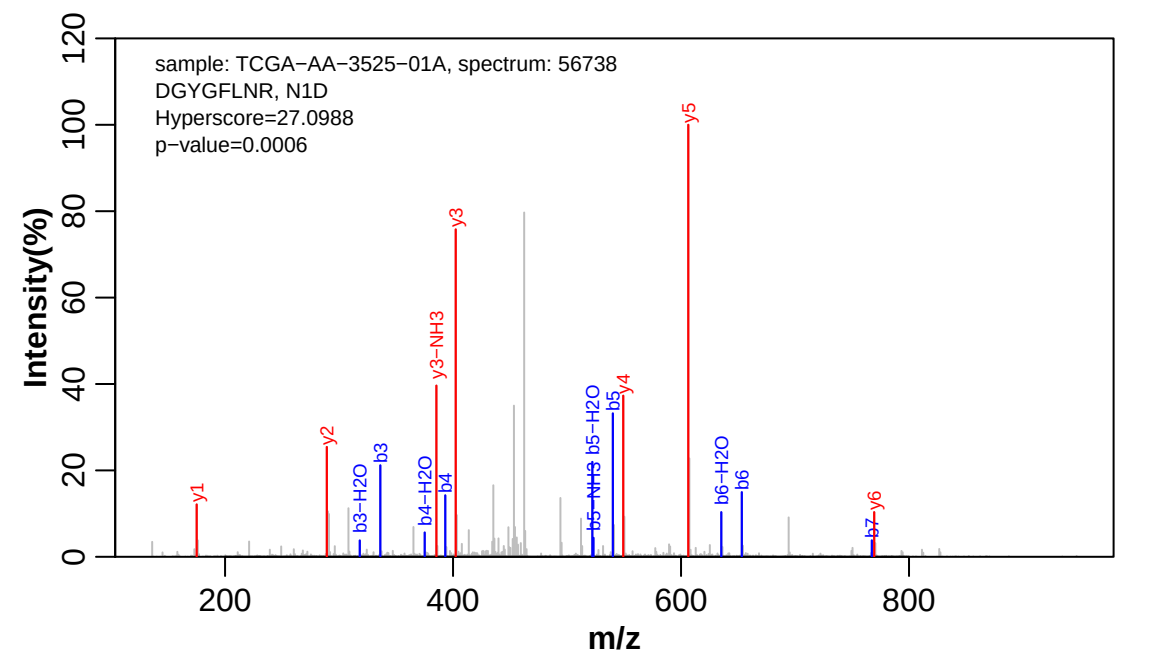

sample: TCGA−AA−3525−01A, spectrum: 60266
ASLEAALADAEQHGELALK, R13H
Hyperscore=54.8715
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
y11
y10
y13
y7
y3
y15
b4−H2O
b6−H2O
b9−H2O
b12−NH3
y11−H2O
y13−NH3
b13
b15
b16
b17
b18

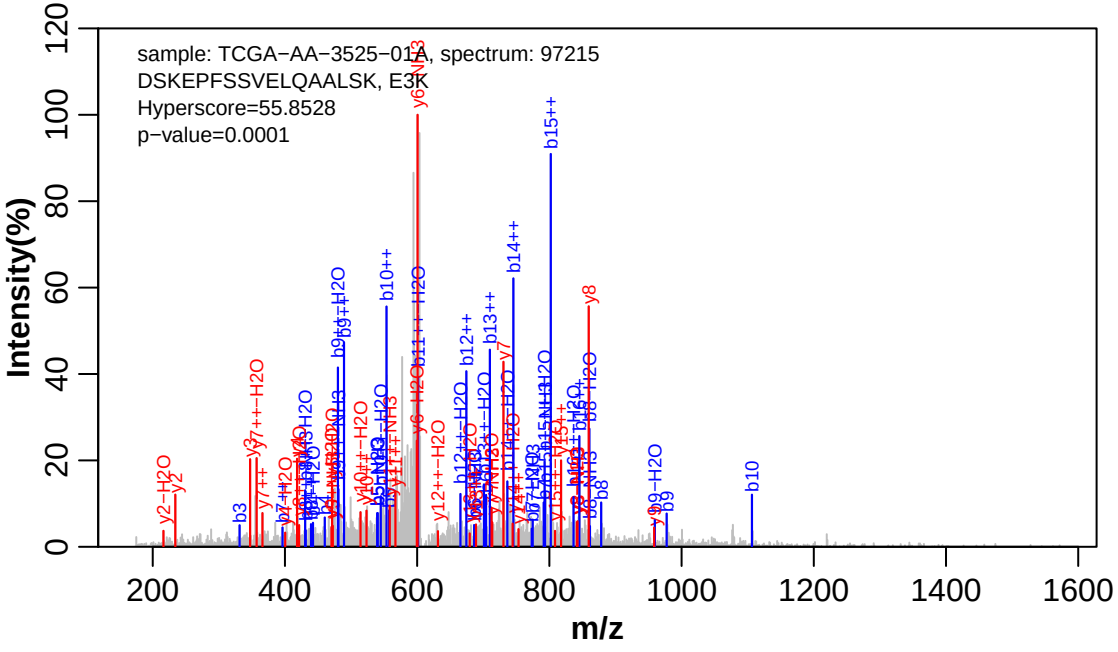

sample: TCGA−AA−3525−01A, spectrum: 87352
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=43.6413
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8++−NH3
b3
b5
y8++−H2O
y8++
b13++−H2O
b7
y13++
y14++
y8
b11−H2O
b11
y10

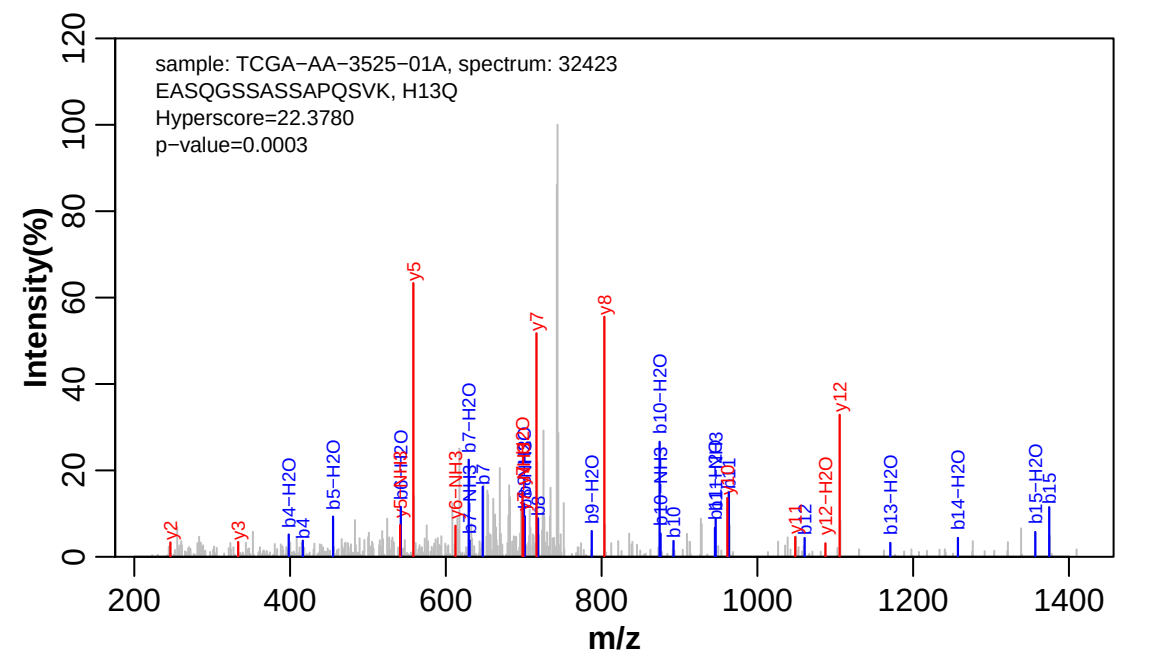

sample: TCGA−AA−3525−01A, spectrum: 96415
AWLSSQAAELER, V7A
Hyperscore=39.9701
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6−NH3
y9
y10
y6
H2O
y4
y5
y8
y7
b2
y2
b3
y3
b4−H2O
b4
b5
b7
b8
b9
b10
b11
b11−H2O
y8−NH3
y9−H2O

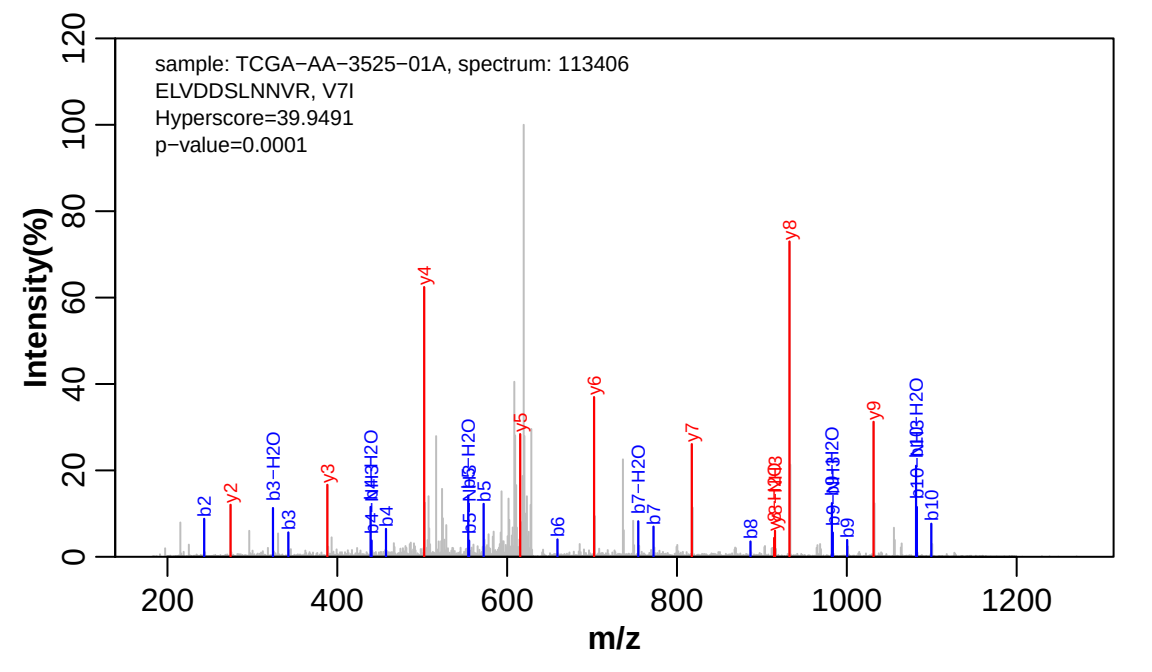

sample: TCGA−AA−3525−01A, spectrum: 147211
DFNHLDVELSLLGK, N6D
Hyperscore=72.2904
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b8++
y5
y6
y4
b7++
b7++−H2O
b8++−H2O
b6++
y7
y3
y3++
y2
b2
b9++
b10++
b11++−H2O
b11++
y12++
y12++−H2O
b12++−H2O
b12++
b13++
y13++−H2O
b6
y7
b8
b7
b7−H2O
y8
b10−H2O

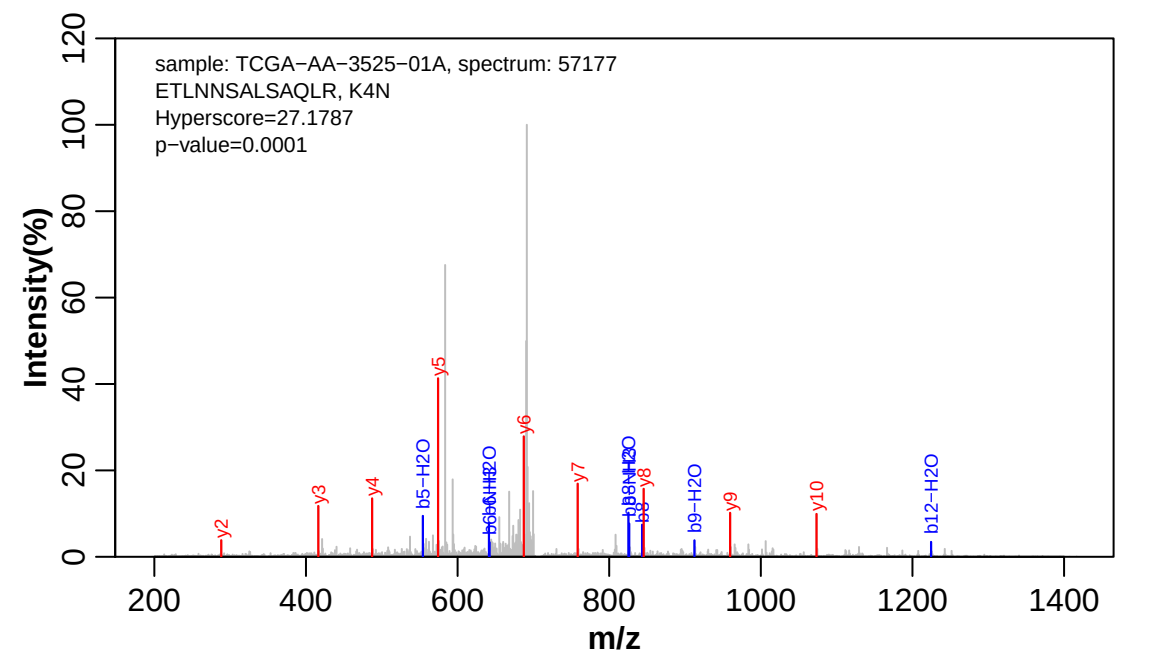

sample: TCGA−AA−3525−01A, spectrum: 107647
DFYVVEPLAFEGTPEQK−I4V
Hyperscore=40.3293
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b2
y5++
b8
y4
b4
b5
b11++−NH3
y13++−H2O
y15++−H2O
y13++
b9
b10

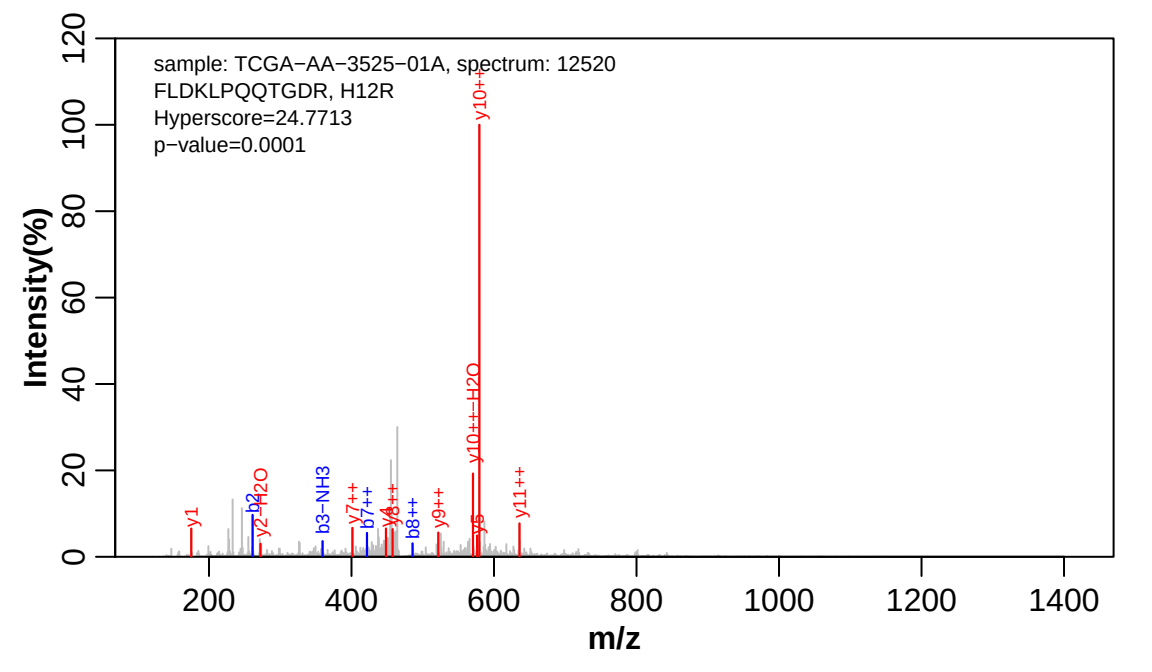

sample: TCGA−AA−3525−01A, spectrum: 56738
DGYGFLNR, N1D
Hyperscore=27.0988
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
y3
b4
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7−y6

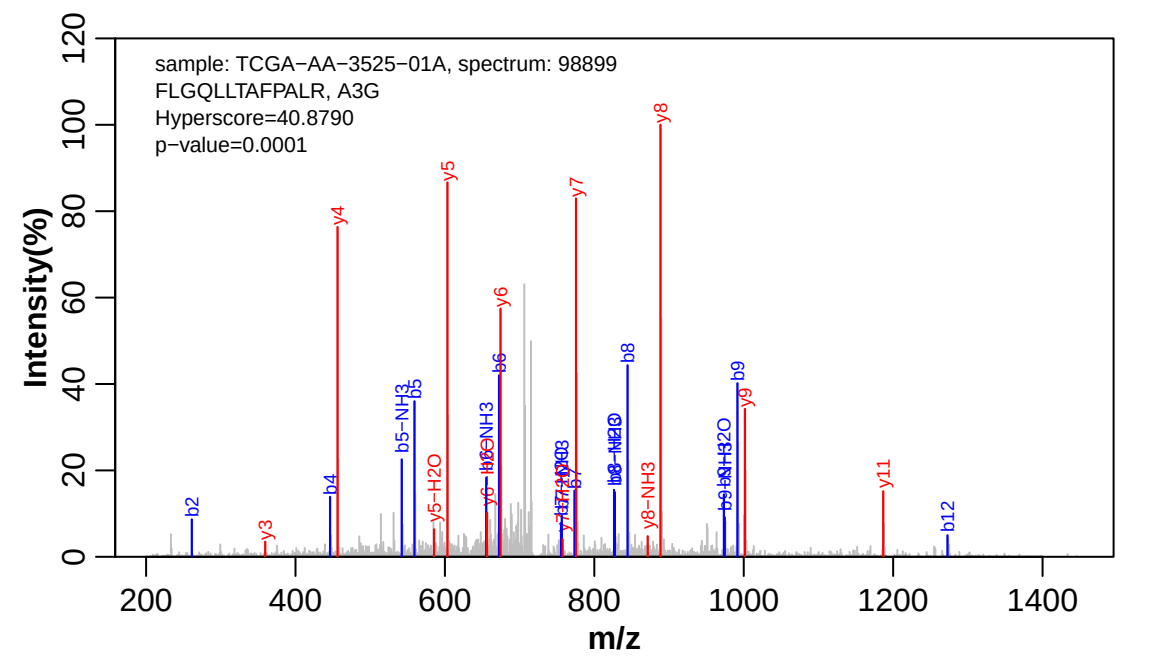

sample: TCGA−AA−3525−01A, spectrum: 97215
DSKEPFSSVELQAALSK, E3K
Hyperscore=55.8528
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6−NH3
b15++
b10++
b14++
b13++
b12++
y8
y7
y2−H2O
y2
b3
y7++
y7++−H2O
b10++−H2O
y6++−H2O
y12++−H2O
b12++−H2O
b8−H2O
b9−H2O
b10

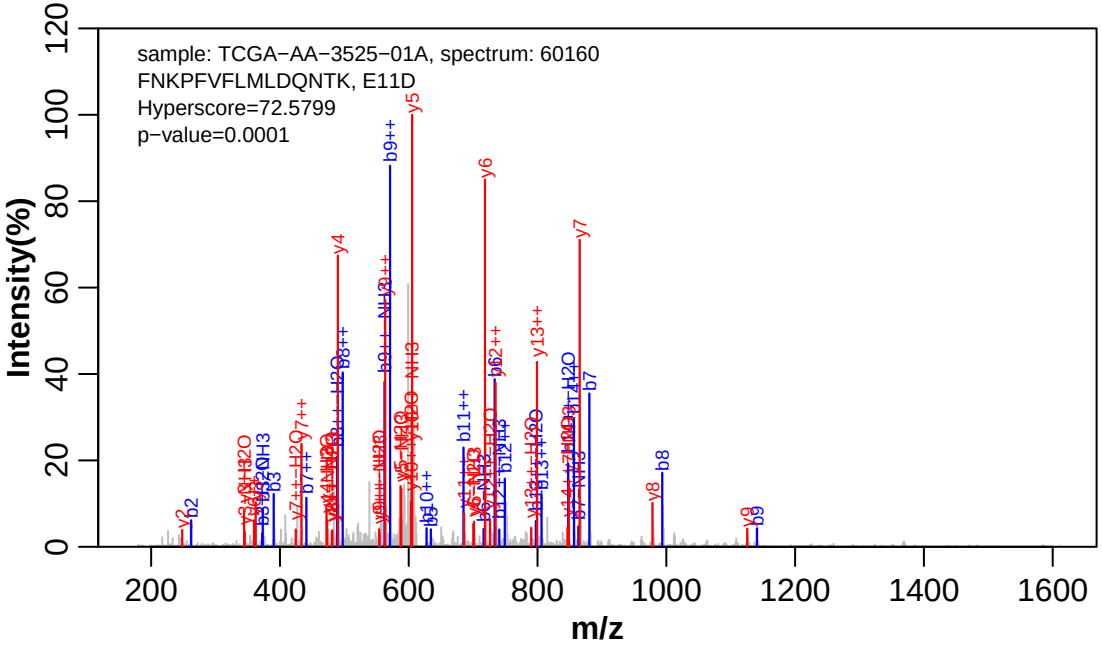

sample: TCGA−AA−3525−01A, spectrum: 32423
EASQGSSASSAPQSVK, H13Q
Hyperscore=22.3780
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
b4−H2O
b4
b5−H2O
y5
y5−H2O
y5−NH3
b6−NH3
b7
b7−H2O
y7
y8
b9−H2O
b10−H2O
b10−NH3
b10
y10
y11
b12
y12−H2O
y12
b13−H2O
b14−H2O
b15−H2O
b15

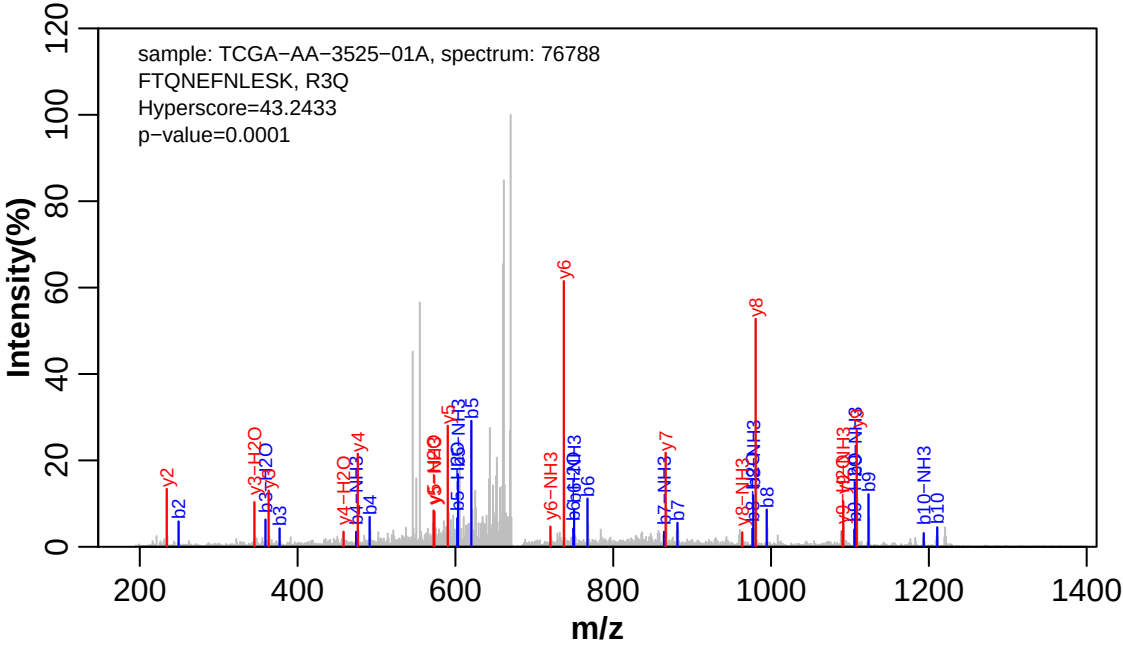

sample: TCGA−AA−3525−01A, spectrum: 113406
ELVDDSLNNVR, V7I
Hyperscore=39.9491
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4
y4
b5−H2O
b5
y5
b6
y6
b7−H2O
b7
y7
b8
y8
b9−H2O
b9
y9
b10−H2O
b10

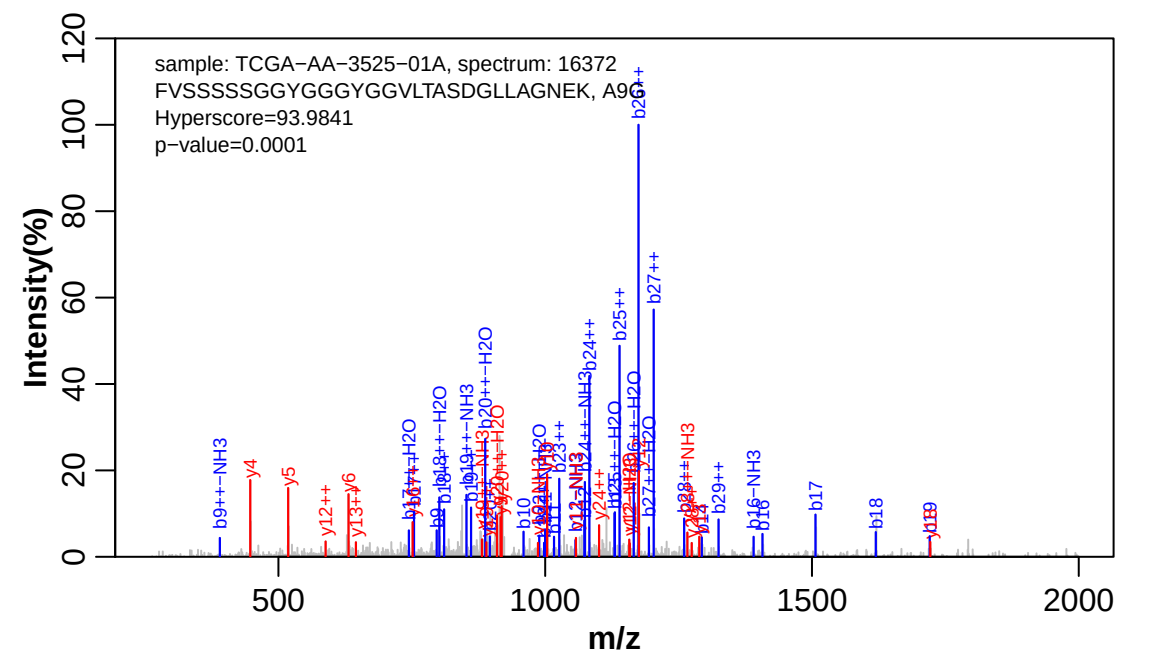

sample: TCGA−AA−3525−01A, spectrum: 57177
ETLNNSALSAQLR, K4N
Hyperscore=27.1787
p−value=0.0001
Intensity(%)
m/z
y2
y3
y4
b5−H2O
y5
y6
y7
y8
b9−H2O
y9
y10
b12−H2O

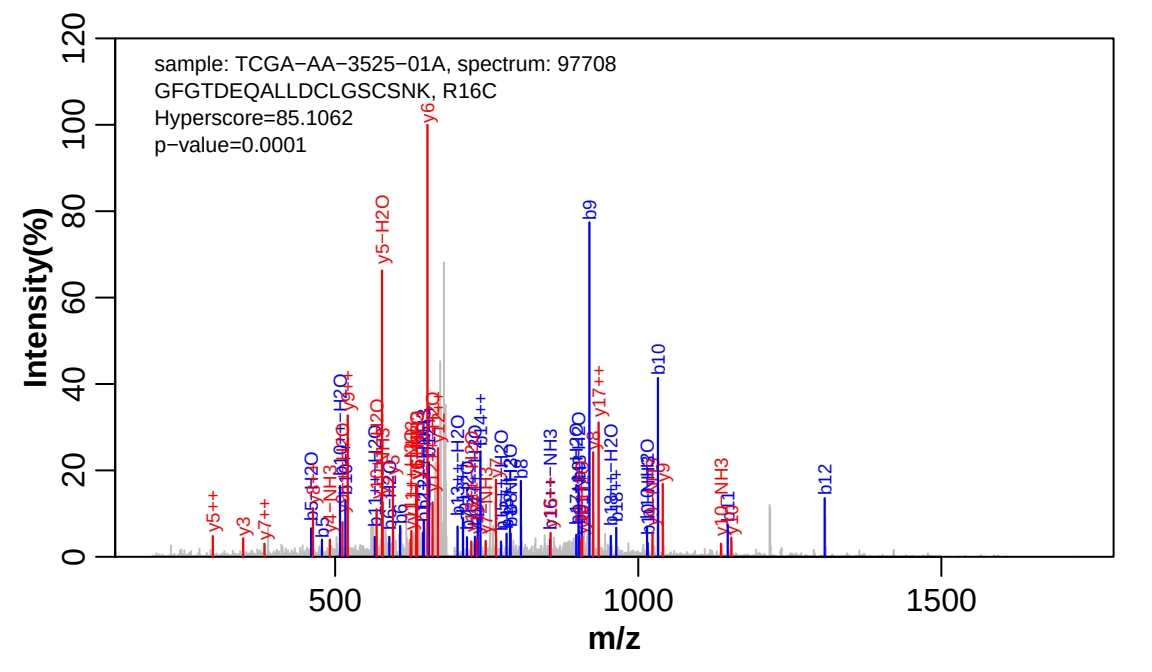

sample: TCGA−AA−3525−01A, spectrum: 12520
FLDKLPQQTGDR, H12R
Hyperscore=24.7713
p−value=0.0001
Intensity(%)
m/z
y1
b2
y2−H2O
b3−NH3
y7++
b7++
y8++
b8++
y9++
y10++−H2O
y10++
y11++

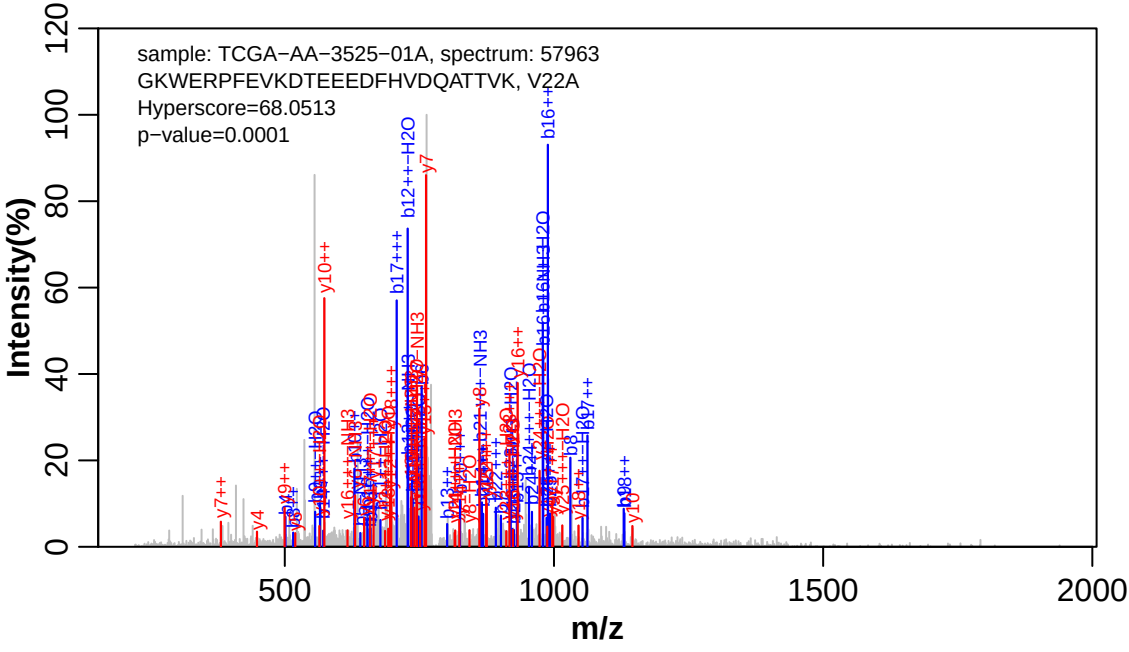

sample: TCGA−AA−3525−01A, spectrum: 98899
FLGQLLTAFPALR, A3G
Hyperscore=40.8790
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
b4
y4
b5−NH3
b5
y5−H2O
y5
y6
b6
b8
y8−NH3
y8
y11
b9
b12

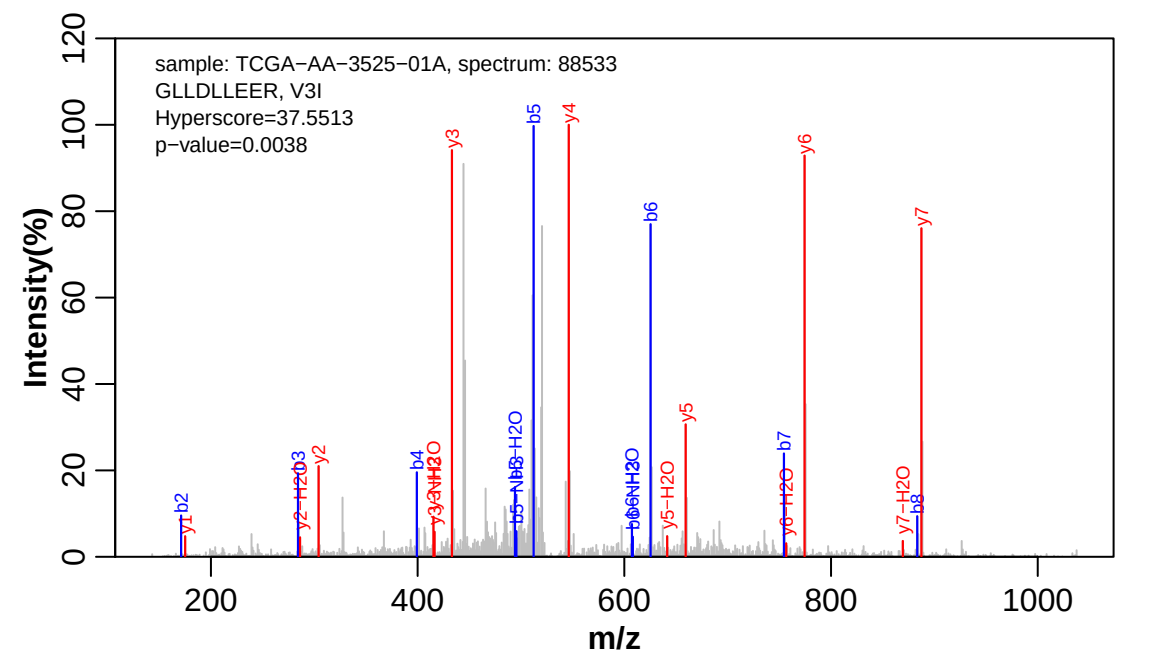

sample: TCGA−AA−3525−01A, spectrum: 60160
FNKPFVFLMLDQNTK, E11D
Hyperscore=72.5799
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
b9++
y6
y4
y7
b8++
b11++
y13++
b7
b8
y8
y9
b9
b2
y2

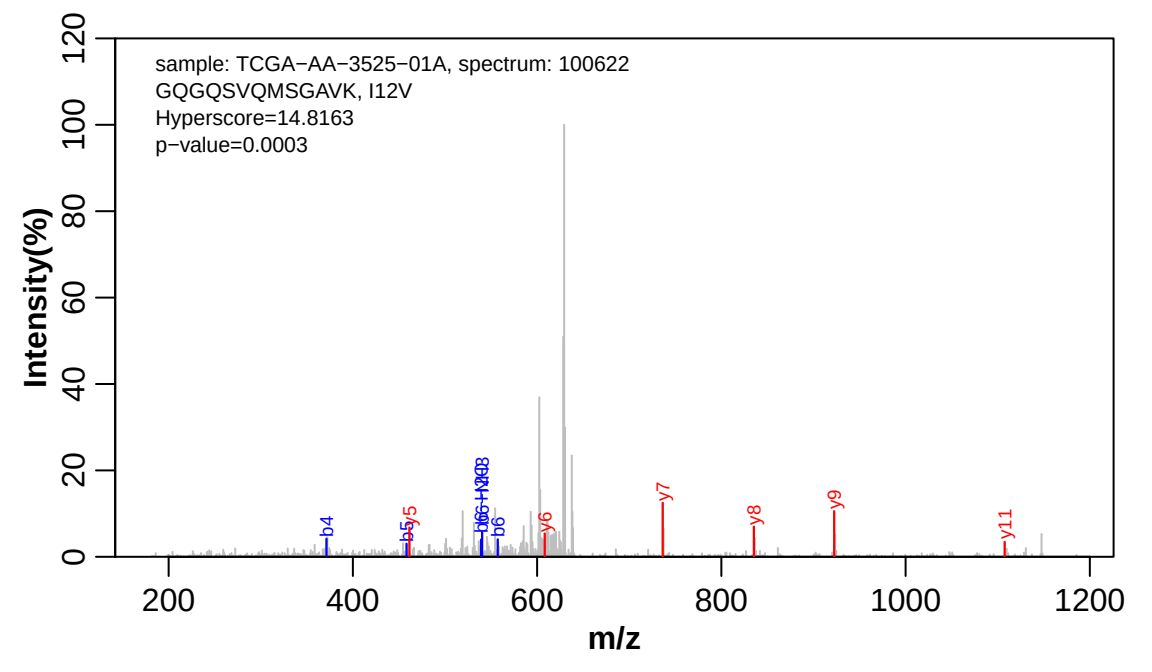

sample: TCGA−AA−3525−01A, spectrum: 76788
FTQNEFNLESK, R3Q
Hyperscore=43.2433
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b2
y3−H2O
y3
b3
y4−H2O
y4−NH3
y4
b4
y5−H2O
y5−NH3
y5
b5−H2O
b5−NH3
b5
y6
y6−NH3
b6−H2O
b6−NH3
b6
y7
y7−NH3
b7
y8
y8−H2O
y8−NH3
b8
y9−H2O
y9−NH3
y9
b9
b10−NH3
b10

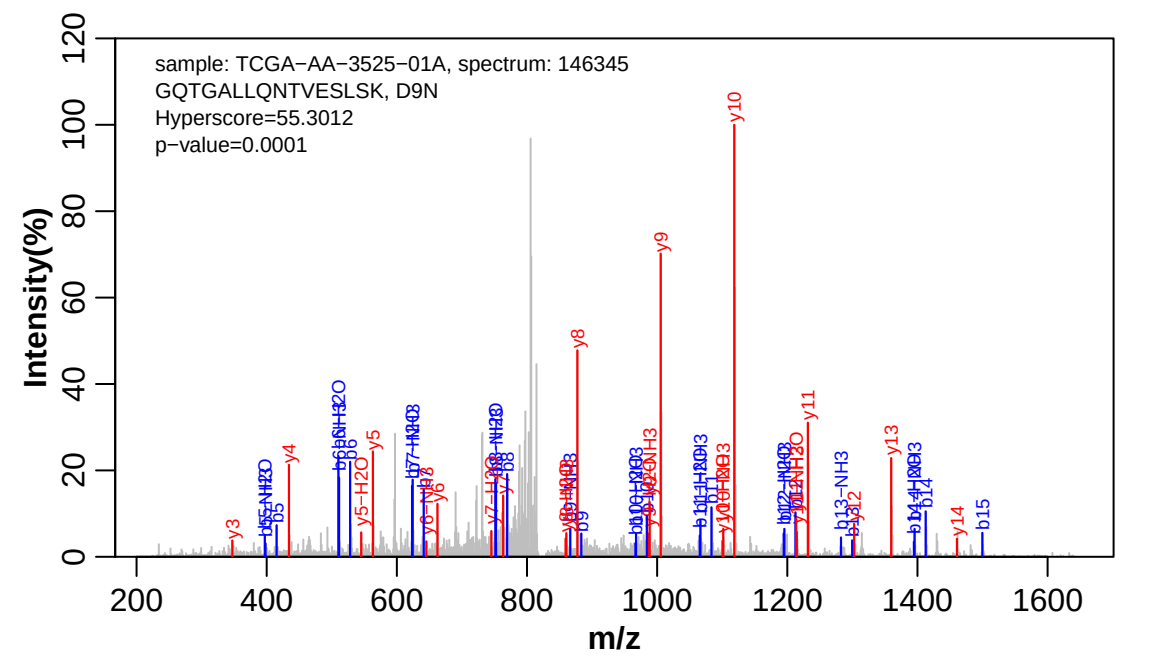

sample: TCGA−AA−3525−01A, spectrum: 16372
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=93.9841
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y12++
y13++
y6
b17++−H2O
b10++−NH3
b10++−H2O
b20++−H2O
b10
b23++
b24++−NH3
b24++
b25++
y24++
b25++−H2O
b26++−H2O
b27++−H2O
b26++
b27++
b28++−NH3
b29++
b16−NH3
b16
b17
b18
y19

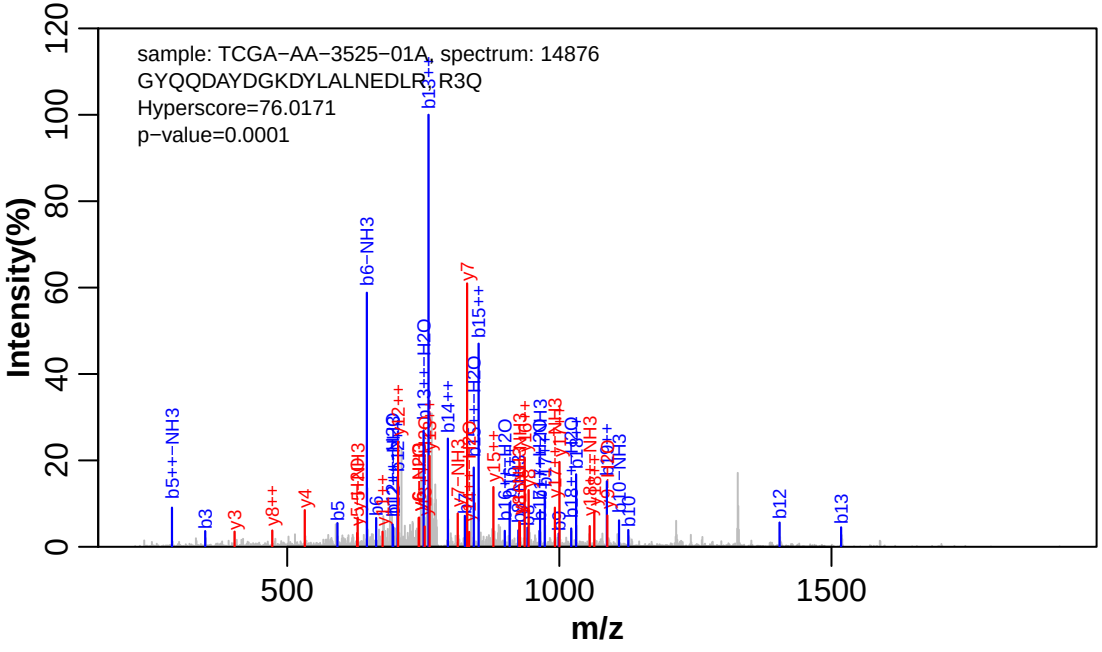

sample: TCGA−AA−3525−01A, spectrum: 97708
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=85.1062
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y5++
y3
y7++
y17++
y10−NH3
y11

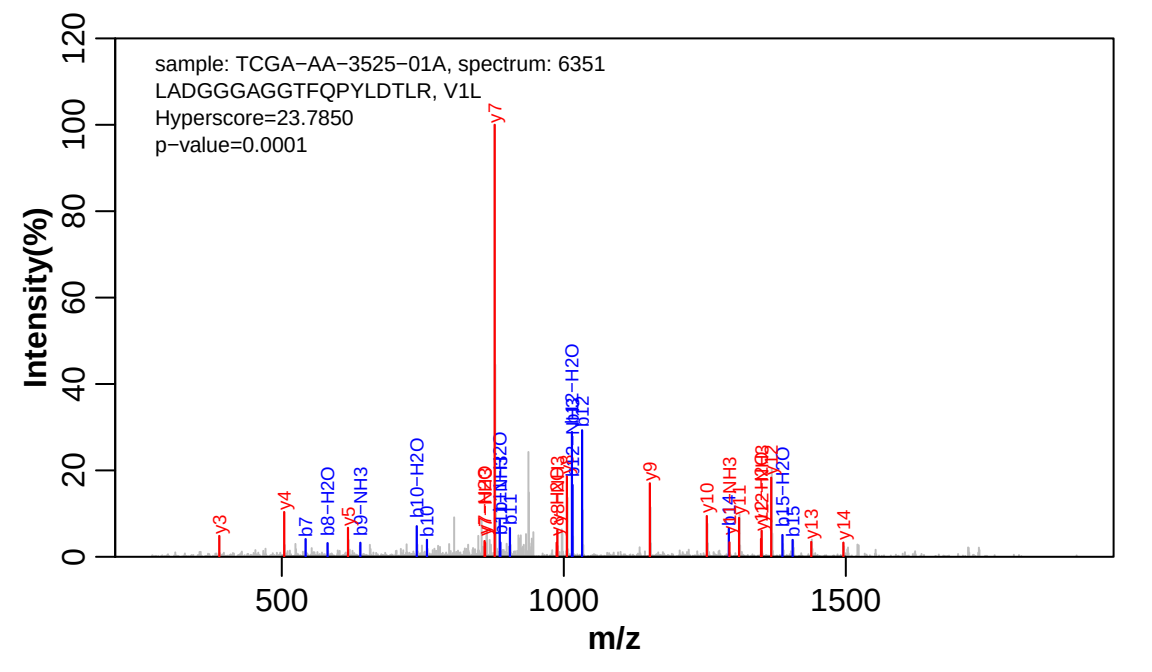

sample: TCGA−AA−3525−01A, spectrum: 57963
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=68.0513
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

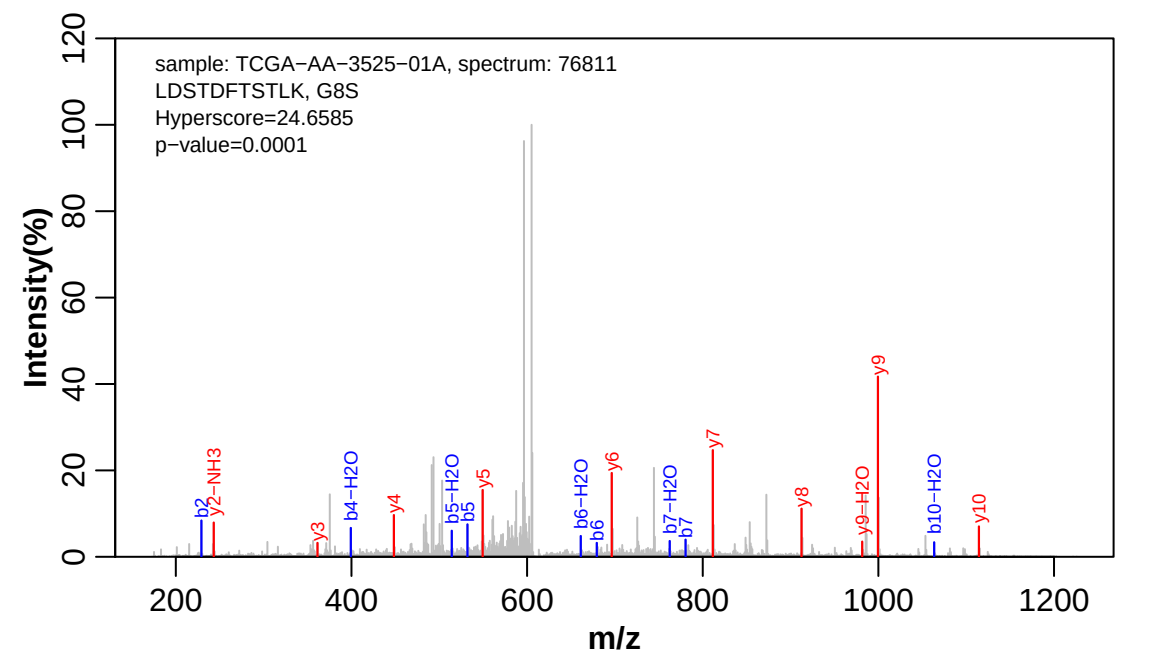

sample: TCGA−AA−3525−01A, spectrum: 88533
GLLDLLEER, V3I
Hyperscore=37.5513
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
y2−H2O
y2
b4
y3
b5
y4
b6
y5
y5−H2O
b7
y6
y6−H2O
y7
y7−H2O
b8

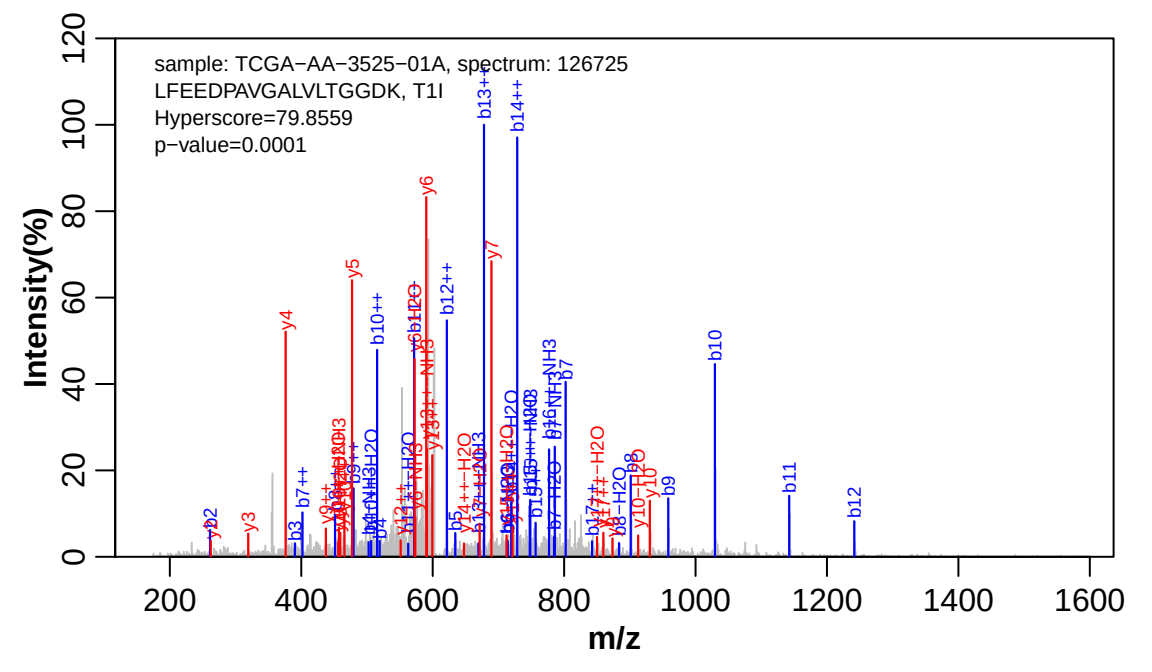

sample: TCGA−AA−3525−01A, spectrum: 100622
GQGQSVQMSGAVK, I12V
Hyperscore=14.8163
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b4
b5
y5
b6
y6
y7
y8
y9
y11

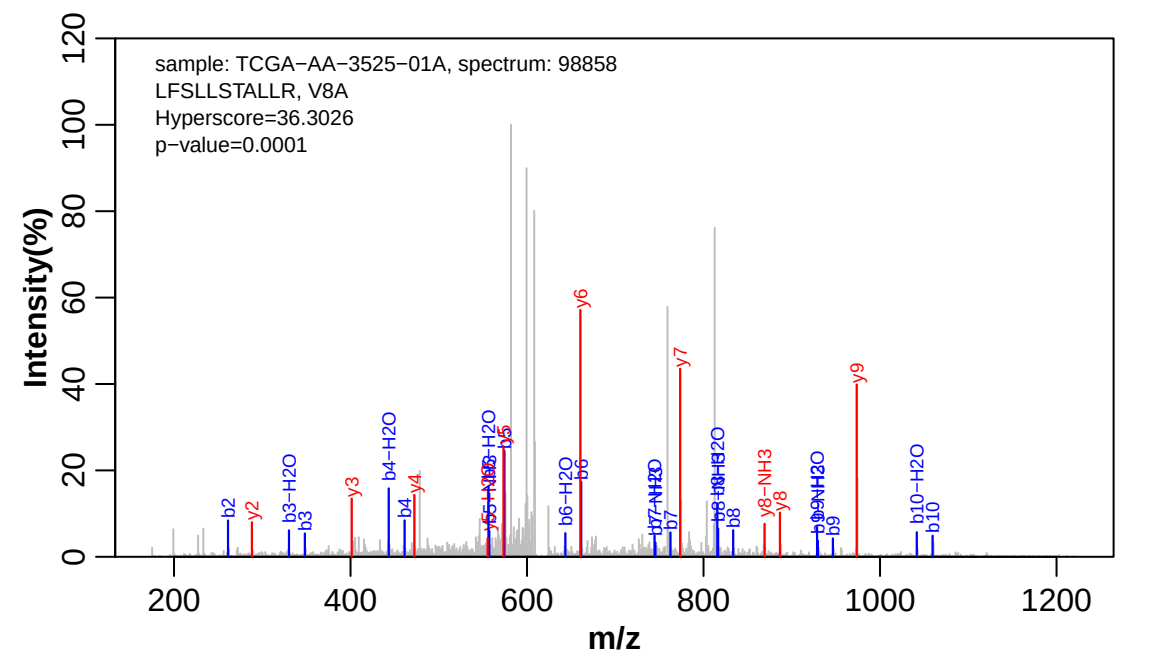

sample: TCGA−AA−3525−01A, spectrum: 146345
GQTGALLQNTVESLSK, D9N
Hyperscore=55.3012
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y4
y5
y5−H2O
y6
y3
y11
y13
y14
b15
b13−NH3
b12

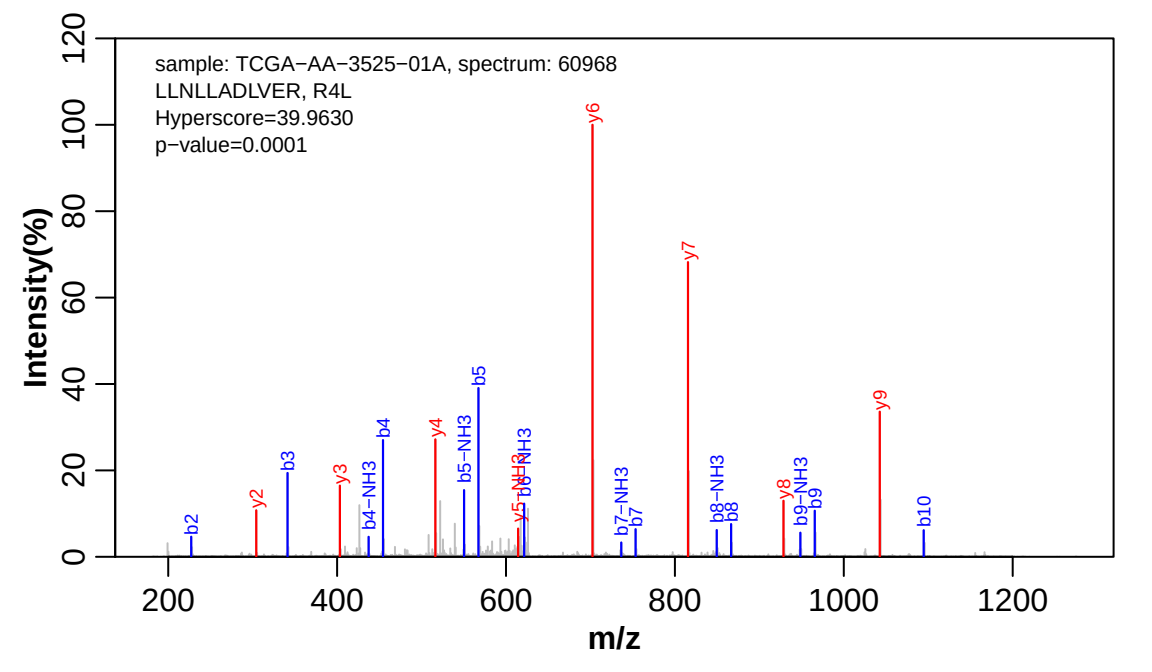

sample: TCGA−AA−3525−01A, spectrum: 14876
GYQQDAYDGKDYLALNEDLR3Q
Hyperscore=76.0171
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b15++
b6−NH3
y7
b15++−H2O
b5++−NH3
b3
y3
y8++
y4
b5
b14++
b12
b13
b10−NH3

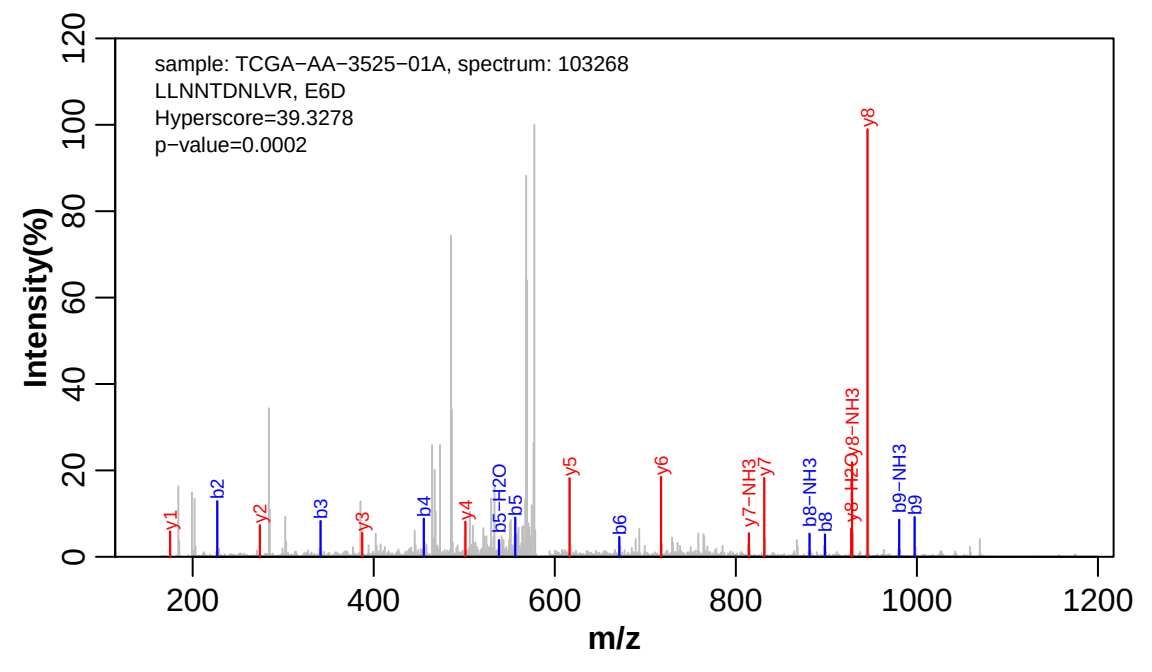

sample: TCGA−AA−3525−01A, spectrum: 6351
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=23.7850
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
b7
b8−H2O
y5
b9−NH3
b10−H2O
b10
y7
y9
y10
y11
b15−H2O
b15
y13
y14

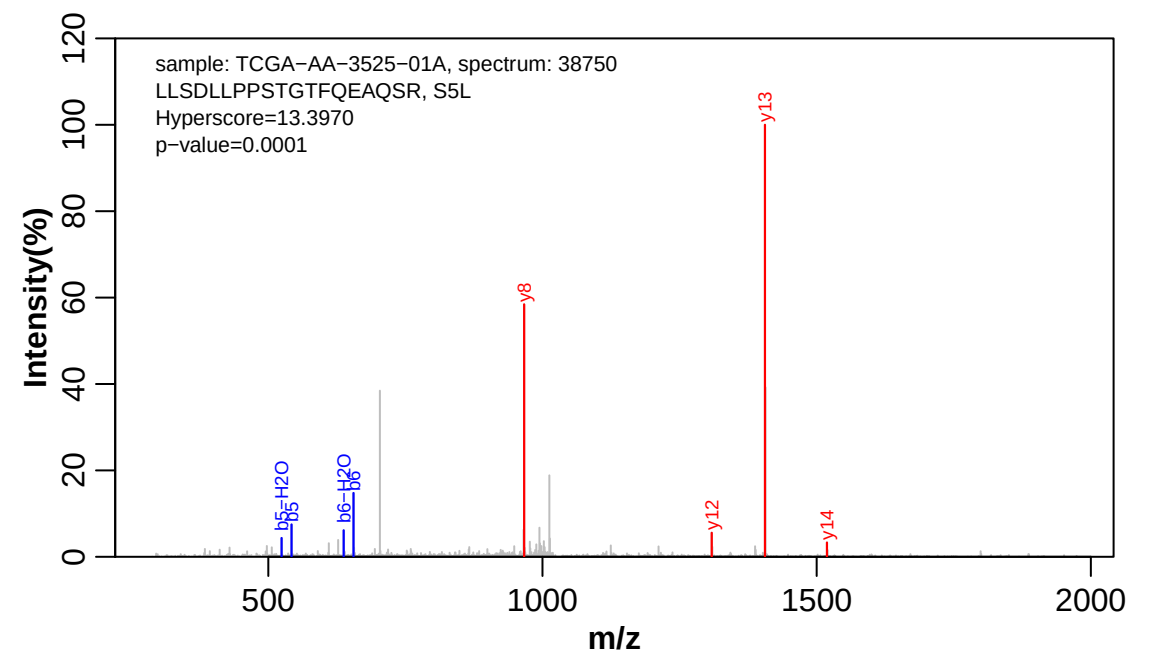

sample: TCGA−AA−3525−01A, spectrum: 76811
LDSTDFTSTLK, G8S
Hyperscore=24.6585
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−NH3
y3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9
y9−H2O
b10−H2O
y10

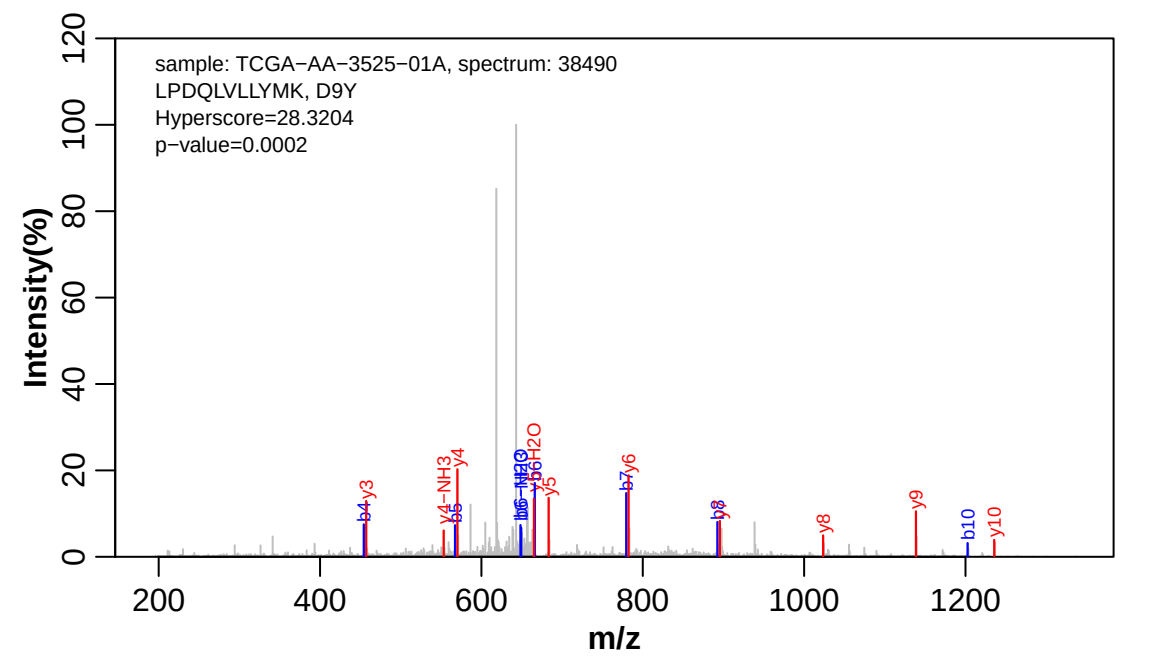

sample: TCGA−AA−3525−01A, spectrum: 126725
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=79.8559
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b13++
b14++
y6
y7
y5
y4
b12++
b10++
b10
b11
b12
b9
b7++
y3
y2
b3
b5
b7
b8−H2O
y10−H2O
y10
y8
y8−H2O

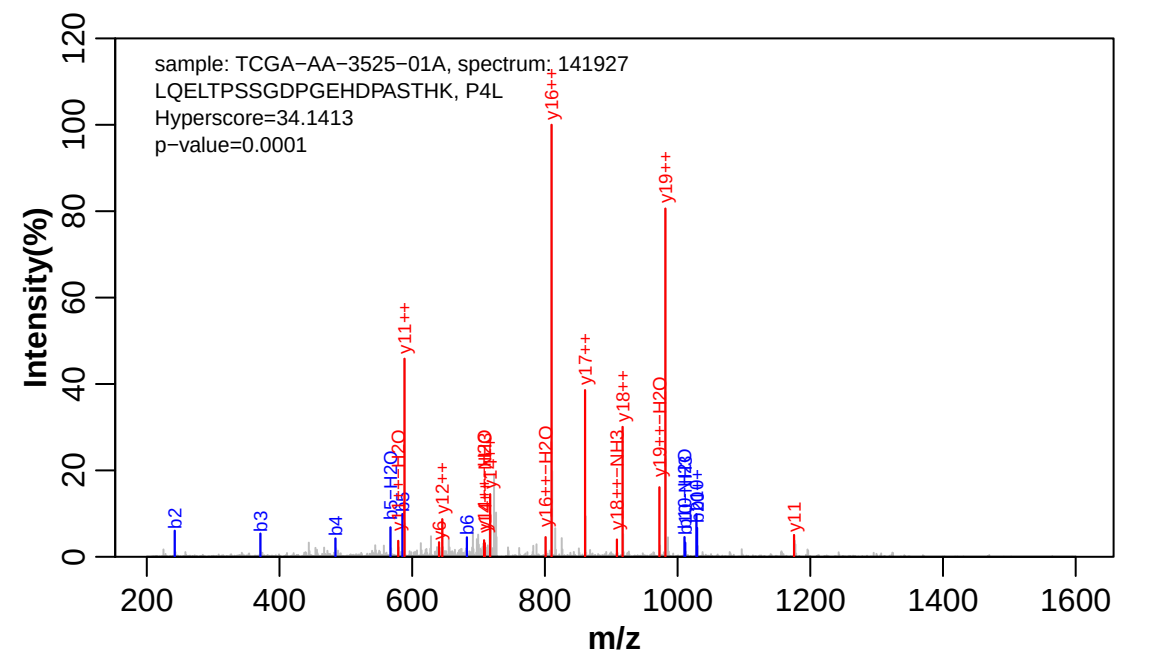

sample: TCGA−AA−3525−01A, spectrum: 98858
LFSLLSTALLR, V8A
Hyperscore=36.3026
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b6−H2O
b6
y6
y7
b7
b8
y8−NH3
y8
y9
b10−H2O
b10

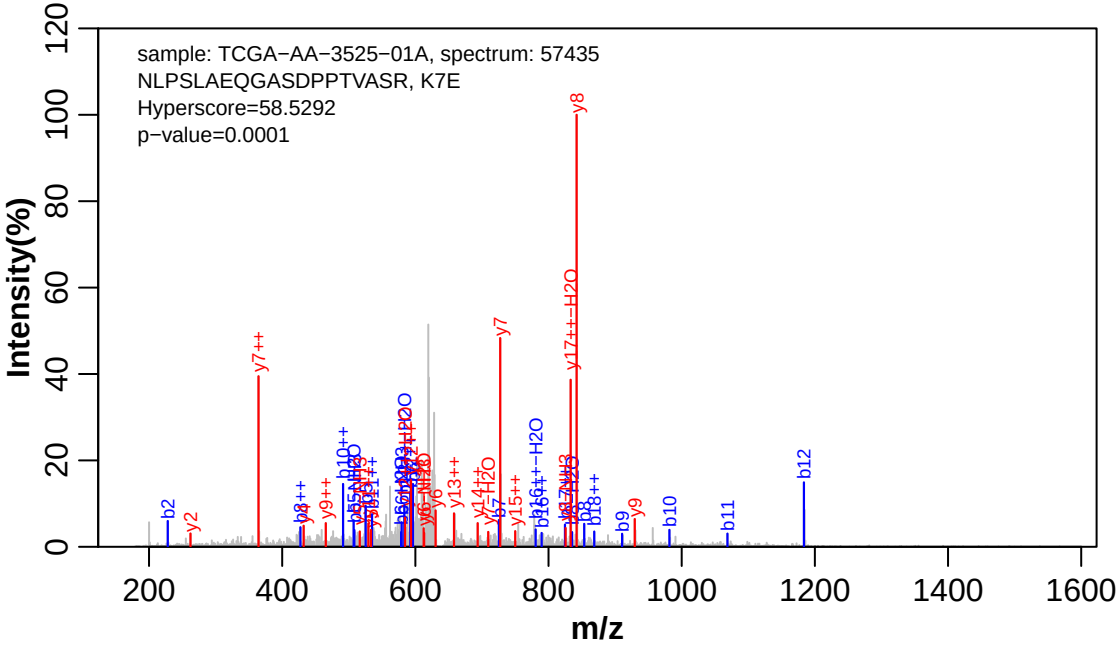

sample: TCGA−AA−3525−01A, spectrum: 60968
LLNLLADLVER, R4L
Hyperscore=39.9630
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y4
y3
y2
y8
b5
b4
b3
b2
b5−NH3
b4−NH3
b7−NH3
b8−NH3
b9−NH3
b10
b9
b8
b7

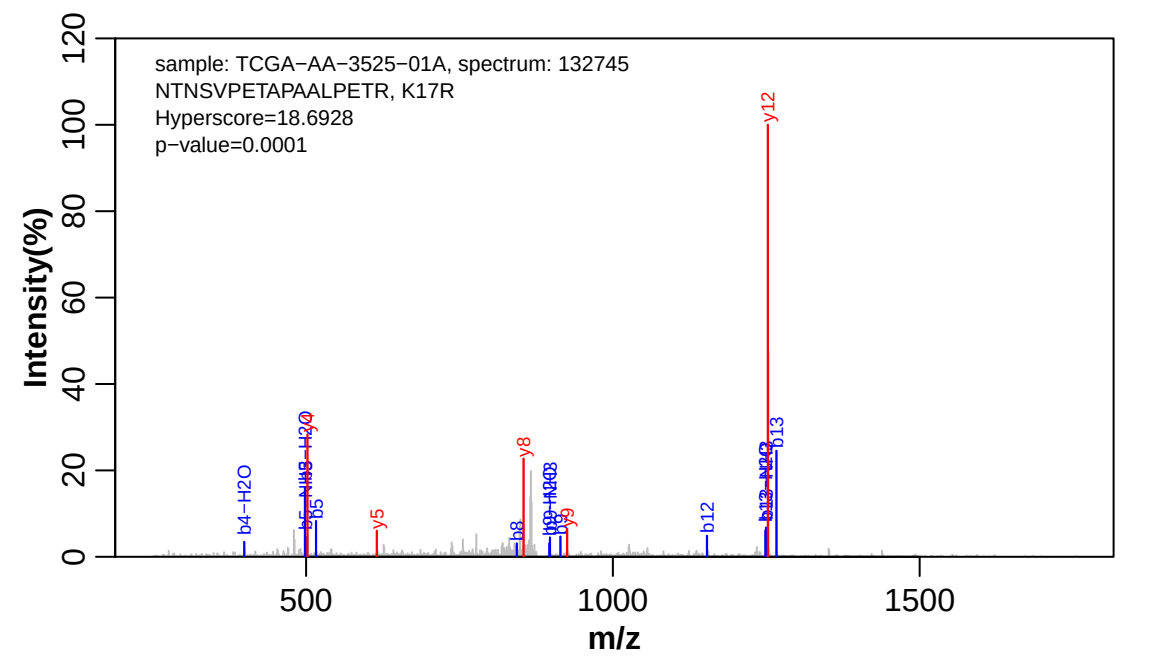

sample: TCGA−AA−3525−01A, spectrum: 103268
LLNNTDNLVR, E6D
Hyperscore=39.3278
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2
y2
b3
y3
b4
y4
b5−H2O
b5
y5
b6
y6
y7−NH3
y7
b8−NH3
b8
y8−H2O
y8−NH3
y8
b9−NH3
b9

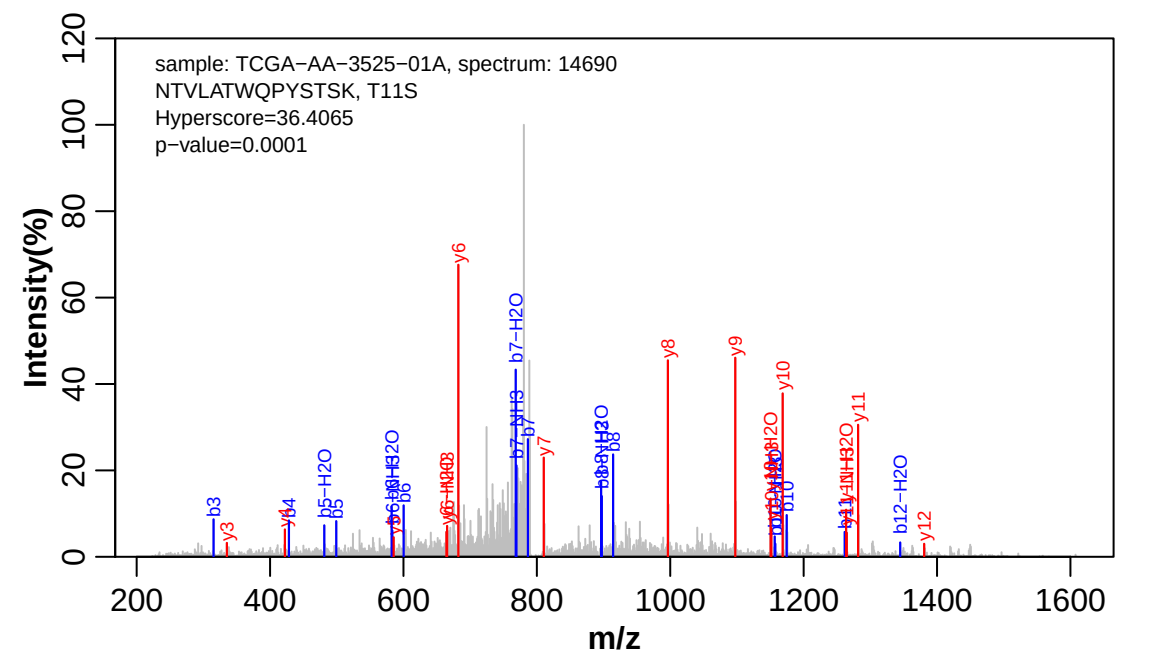

sample: TCGA−AA−3525−01A, spectrum: 38750
LLSDLLPPSTGTFQEAQSR, S5L
Hyperscore=13.3970
p−value=0.0001
y13
y8
b5−H2O
b5
b6−H2O
b6
y12
y14
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

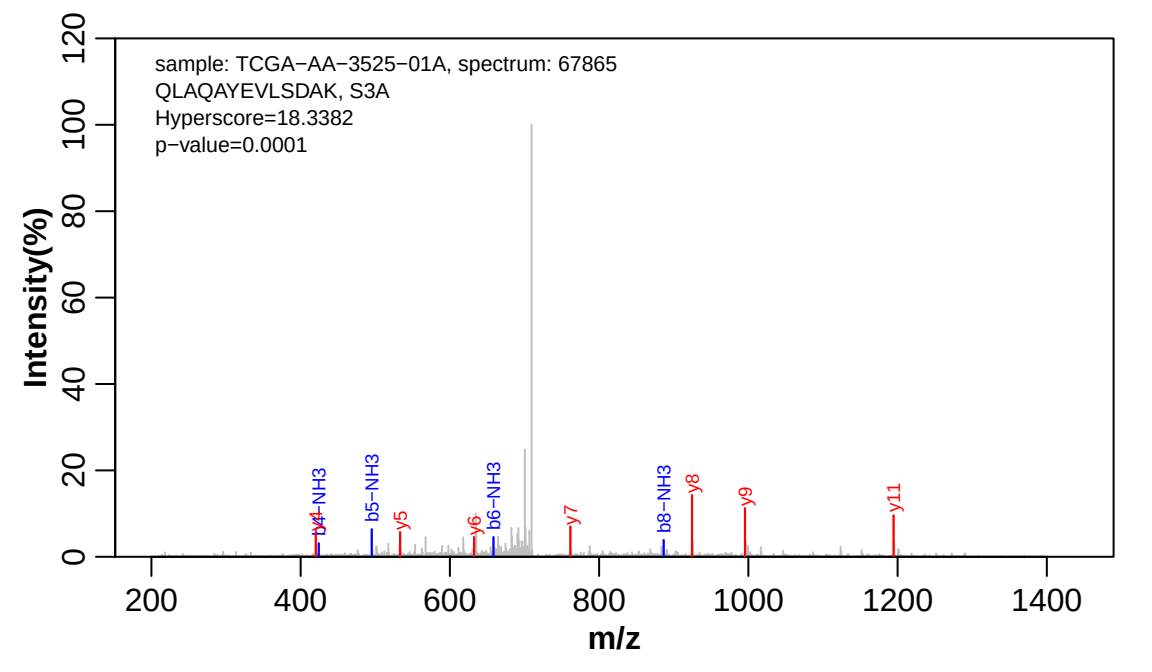

sample: TCGA−AA−3525−01A, spectrum: 38490
LPDQLVLLYMK, D9Y
Hyperscore=28.3204
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b4
y3
y4−NH3
y4
b5
b6−NH3
b6−H2O
b6
y6−H2O
y6
y5
b7
y6
b8
y8
y8
y9
b10
y10

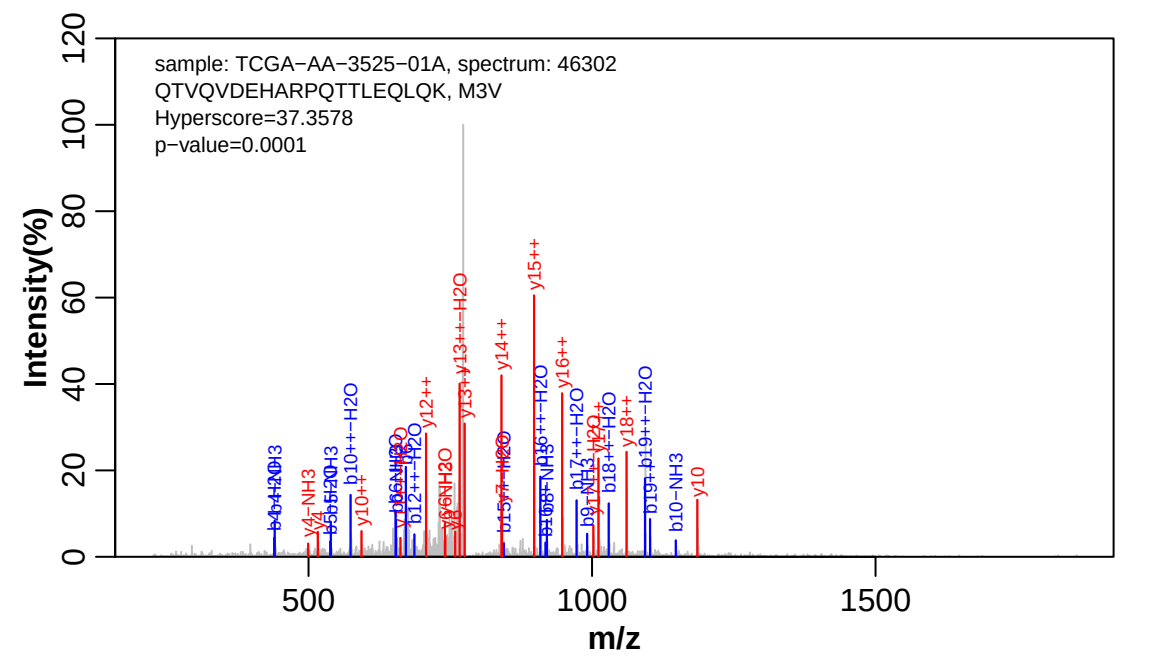

sample: TCGA−AA−3525−01A, spectrum: 141927
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=34.1413
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3
b4
b5−H2O
y11++
y6
y12++
b6
y16++−H2O
y16++
y17++
y18++−NH3
y18++
y19++−H2O
y19++
y11

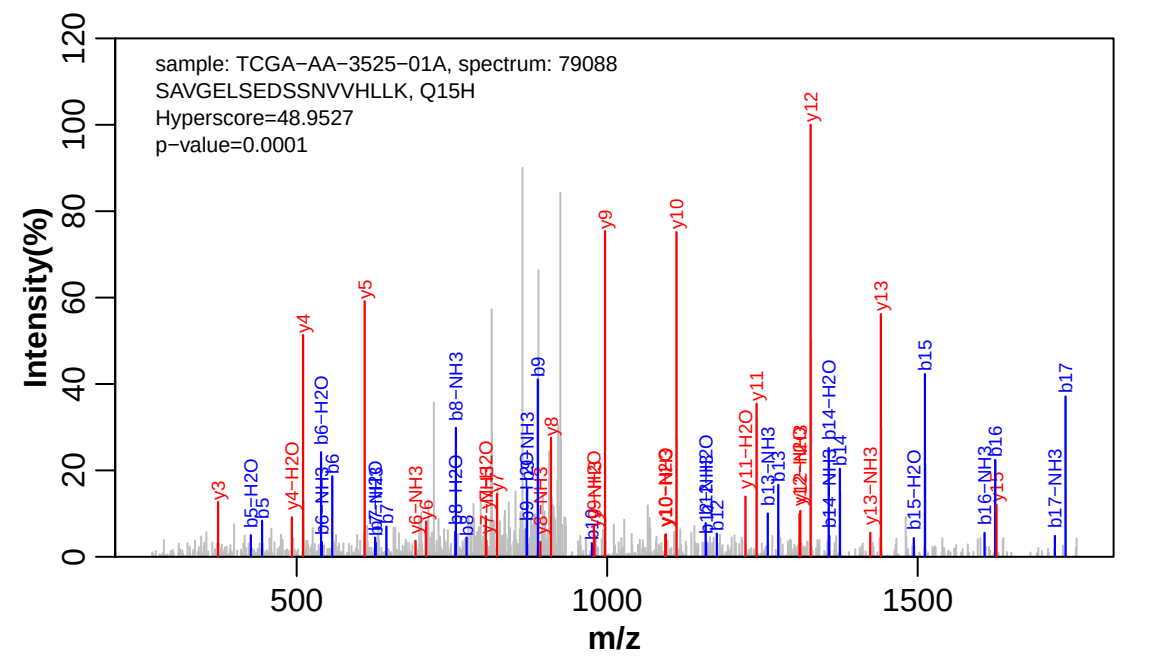

sample: TCGA−AA−3525−01A, spectrum: 57435
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=58.5292
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y8
y7++
y7
y17++−H2O
b2
y2
y4++
y9++
b10++
y13++
y15++
b16++−H2O
b18++
b9
y9
b10
b11
b12

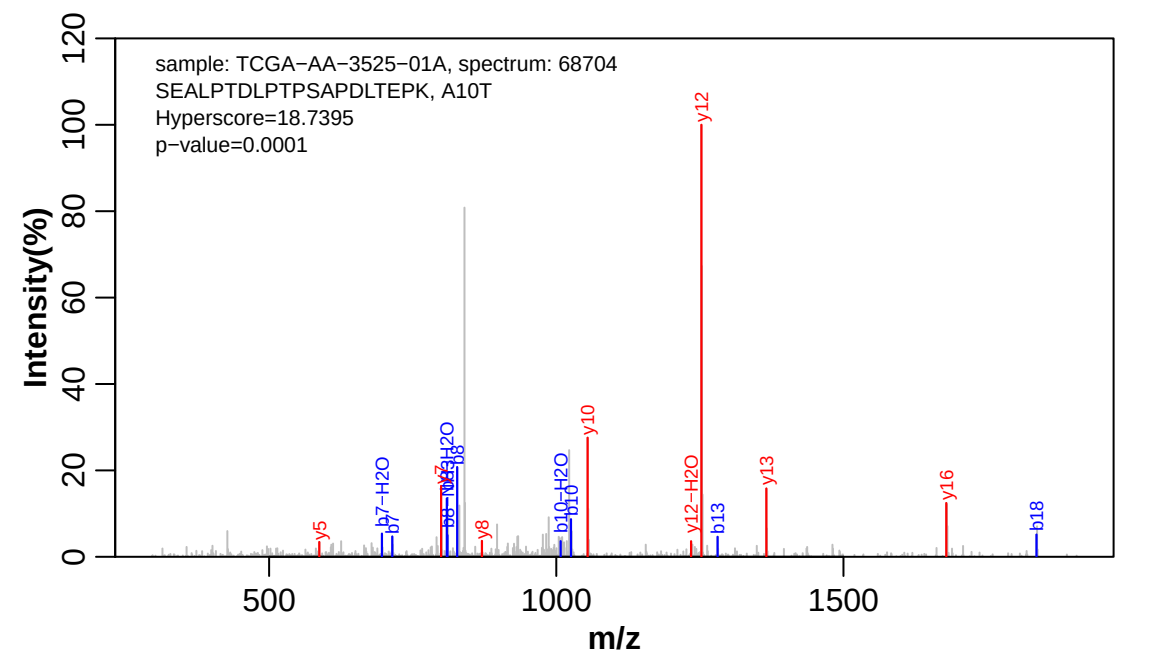

sample: TCGA−AA−3525−01A, spectrum: 132745
NTNSVPETAPAALPETR, K17R
Hyperscore=18.6928
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
b13
y8
y5
b12
b4−H2O
b5
b8
y9

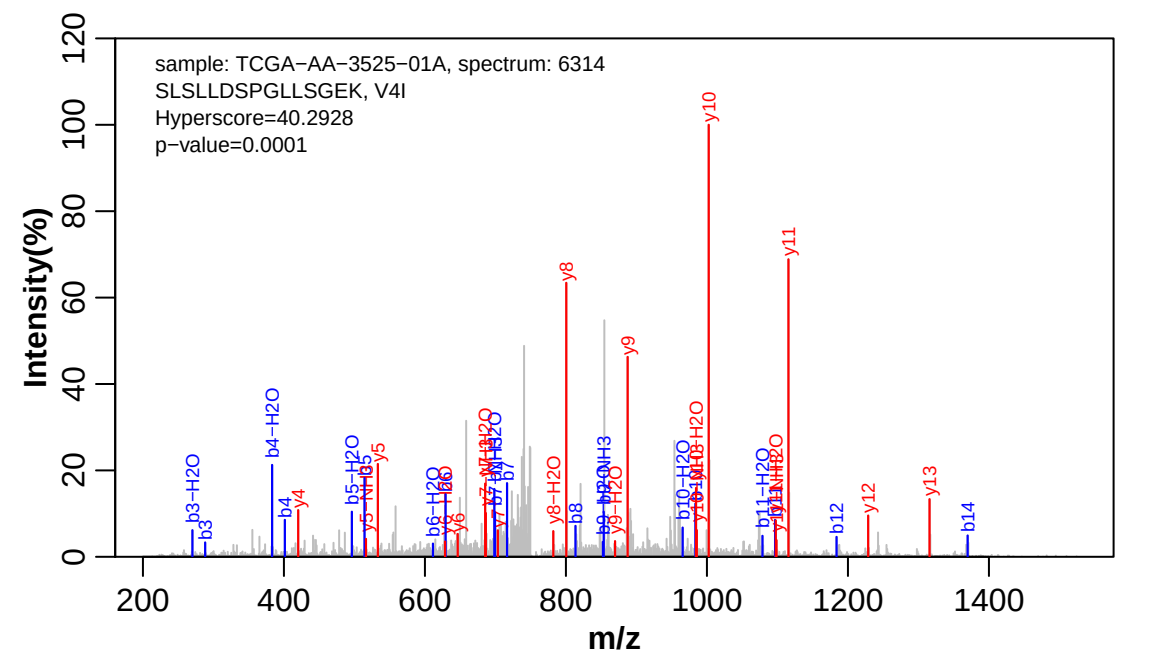

sample: TCGA−AA−3525−01A, spectrum: 14690
NTVLATWQPYSTSK, T11S
Hyperscore=36.4065
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
y4
b5−H2O
b5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
b8−H2O
b8
y8
y9
y10
y11
b11−NH3
b11−H2O
b12−H2O
y12

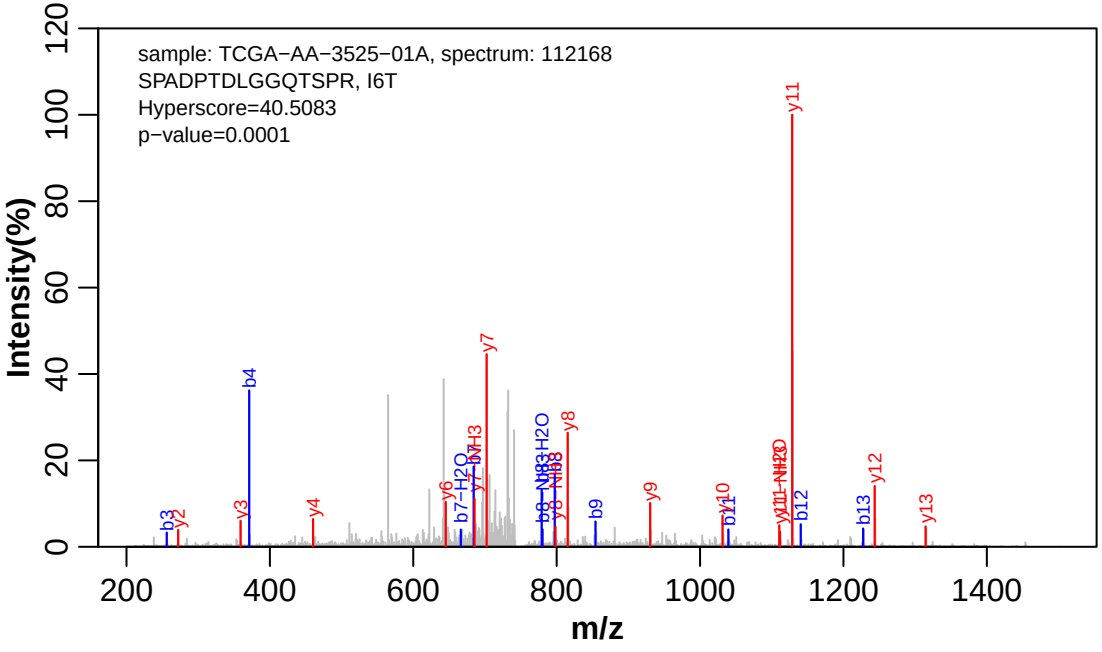

sample: TCGA−AA−3525−01A, spectrum: 67865
QLAQAYEVLSDAK, S3A
Hyperscore=18.3382
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
b4−NH3
b5−NH3
y5
y6
b6−NH3
y7
b8−NH3
y8
y9
y11

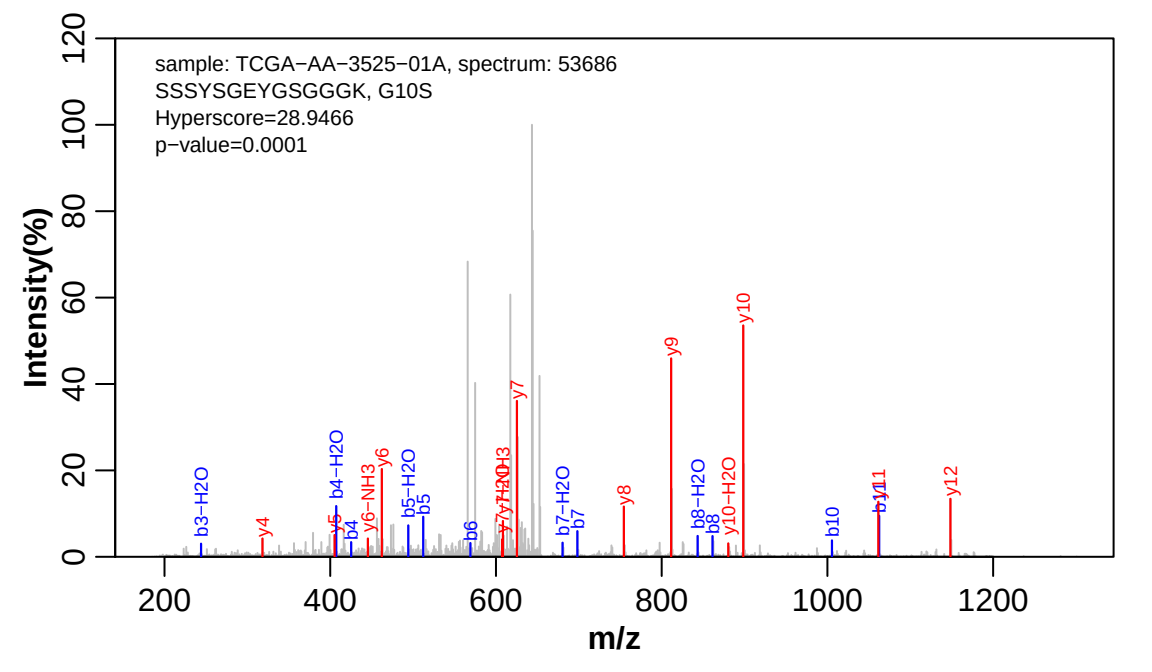

sample: TCGA−AA−3525−01A, spectrum: 46302
QTVQVDEHARPQTTLEQLQK, M3V
Hyperscore=37.3578
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y15++
y14++
y13++−H2O
y16++
y12++
y18++
y10++
y10
b10++−H2O
b19++−H2O
b10−NH3
b18++−H2O
b17++−H2O
y4−NH3

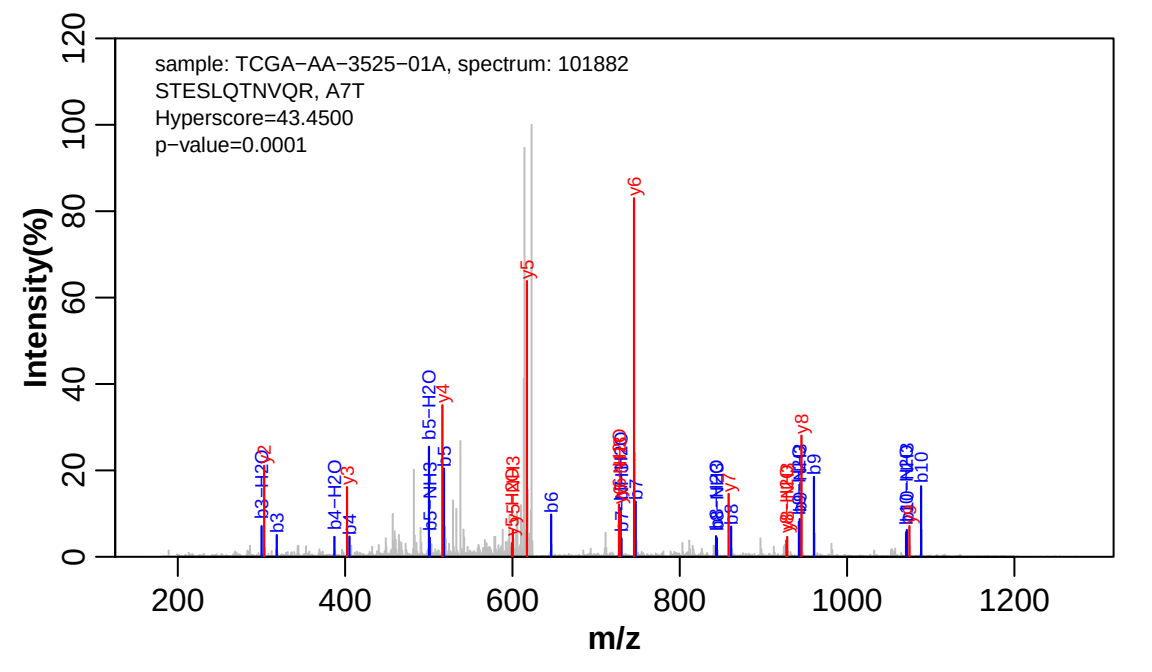

sample: TCGA−AA−3525−01A, spectrum: 79088
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=48.9527
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b5−H2O
b5
y4−H2O
y4
b6−NH3
b6−H2O
b6
y5
b7
y6−NH3
y6
b8−H2O
b8−NH3
b8
y7
b9−H2O
b9−NH3
b9
y8
y9
b10
y10
y10−NH3
b12
y11−H2O
y11
b13−NH3
b13
y12
y12−NH3
b14−NH3
b14−H2O
b14
y13−NH3
y13
b15−H2O
b15
b16−NH3
b16
y15
b17−NH3
b17

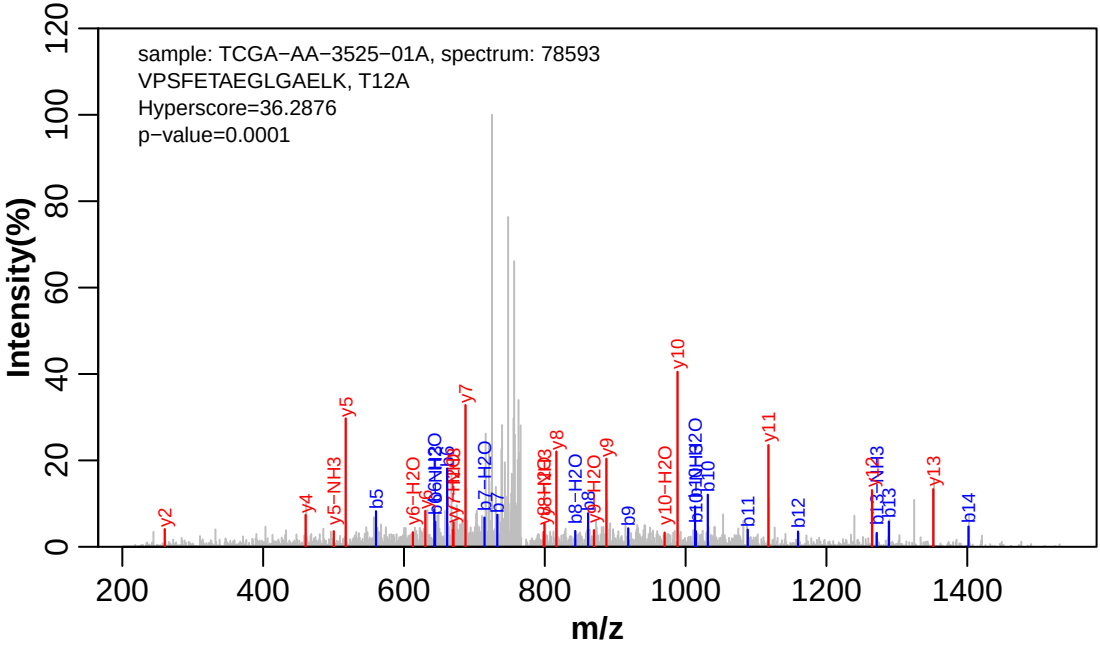

sample: TCGA−AA−3525−01A, spectrum: 68704
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=18.7395
p−value=0.0001
Intensity(%)
m/z
y12
y10
y13
y16
b18
b13
y12−H2O
b10−H2O
b7−H2O
y5
y8
b10
b7

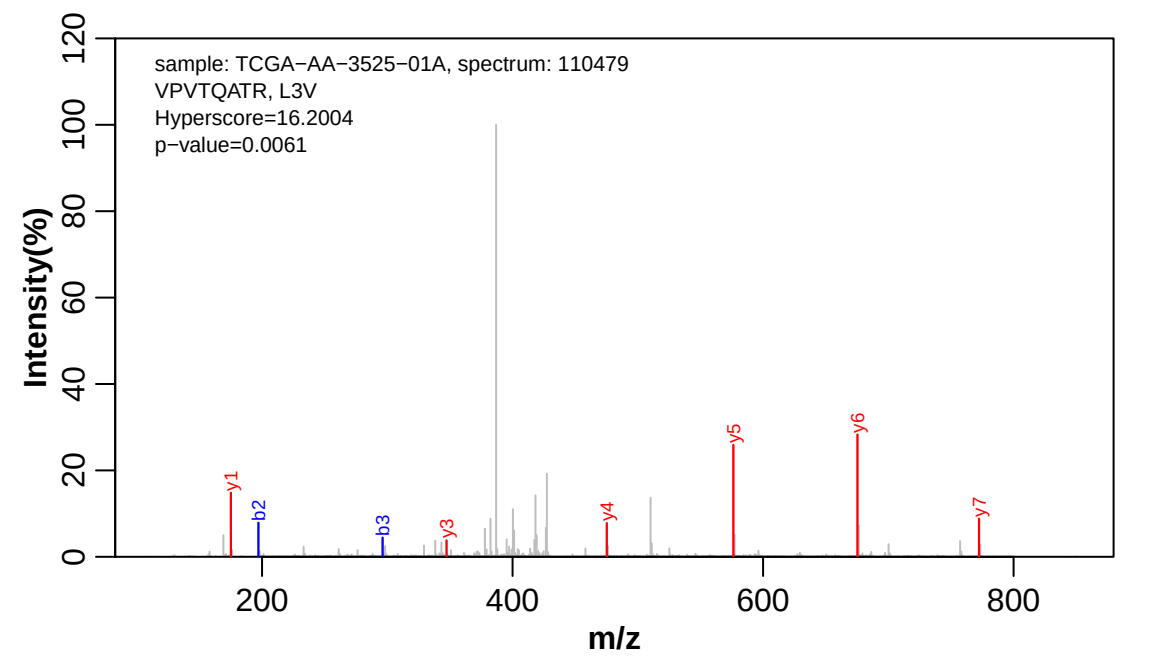

sample: TCGA−AA−3525−01A, spectrum: 6314
SLSLLDSPGLLSGEK, V4I
Hyperscore=40.2928
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
b4−H2O
b4
y4
b5−H2O
y5−NH3
y5
b6−H2O
b6−NH3
y6
y8−H2O
b8
y8
y9
b10−H2O
y10
y10−H2O
b11−H2O
y11
y11−H2O
b12
y12
y13
b14

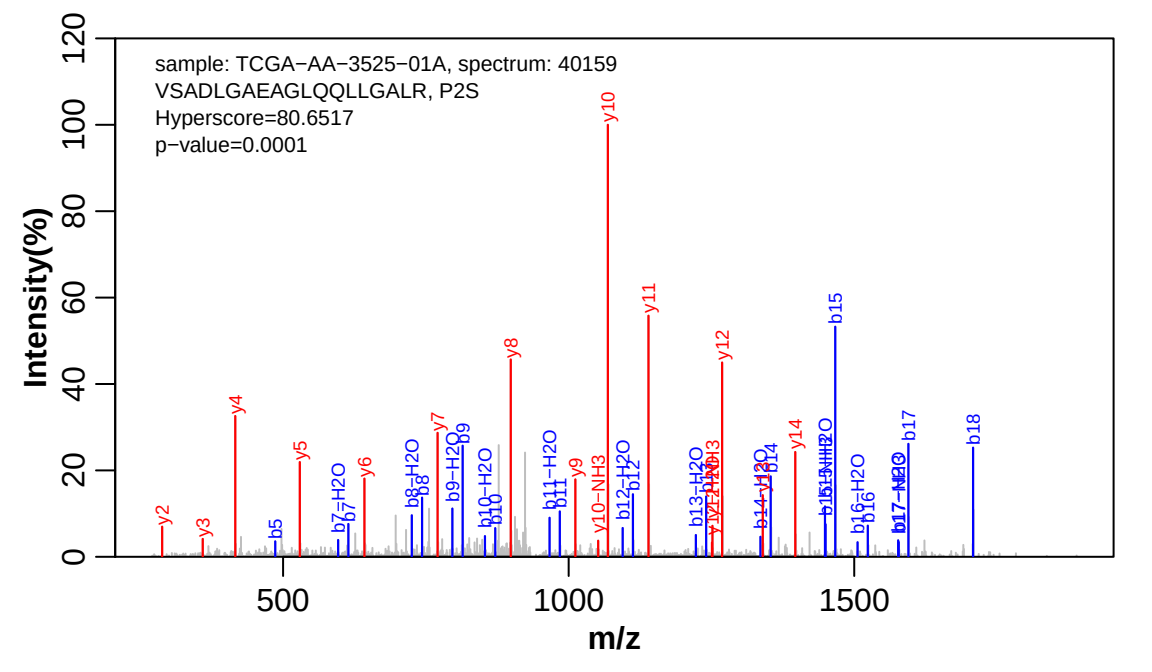

sample: TCGA−AA−3525−01A, spectrum: 112168
SPADPTDLGGQTSPR, I6T
Hyperscore=40.5083
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
y6
b7−H2O
y7
y7−NH3
b8−NH3
b8−H2O
y8
b9
y9
b10
y10
b11
y11
y11−NH3
y11−H2O
b12
b13
y12
y13

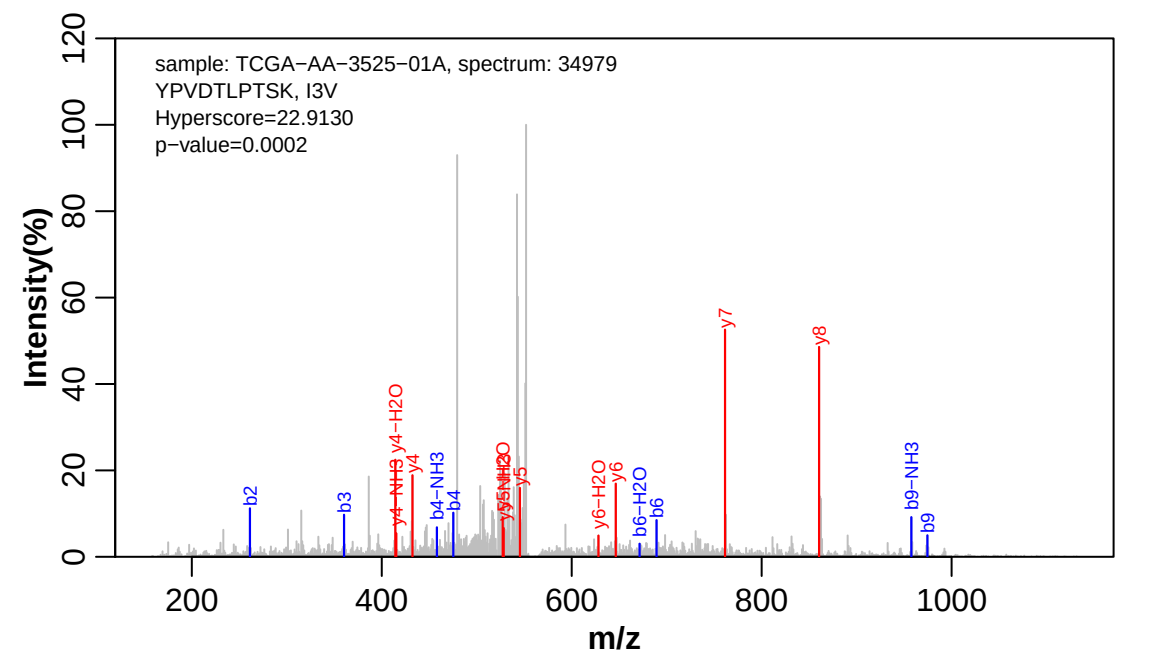

sample: TCGA−AA−3525−01A, spectrum: 53686
SSSYSGEYGSGGGK, G10S
Hyperscore=28.9466
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
y5
b4−H2O
b4
y6−NH3
y6
b5−H2O
b5
b6
y7−H2O
y7−NH3
y7
b7−H2O
b7
y8
y9
b8−H2O
b8
y10−H2O
y10
b10
b11
y11
y12

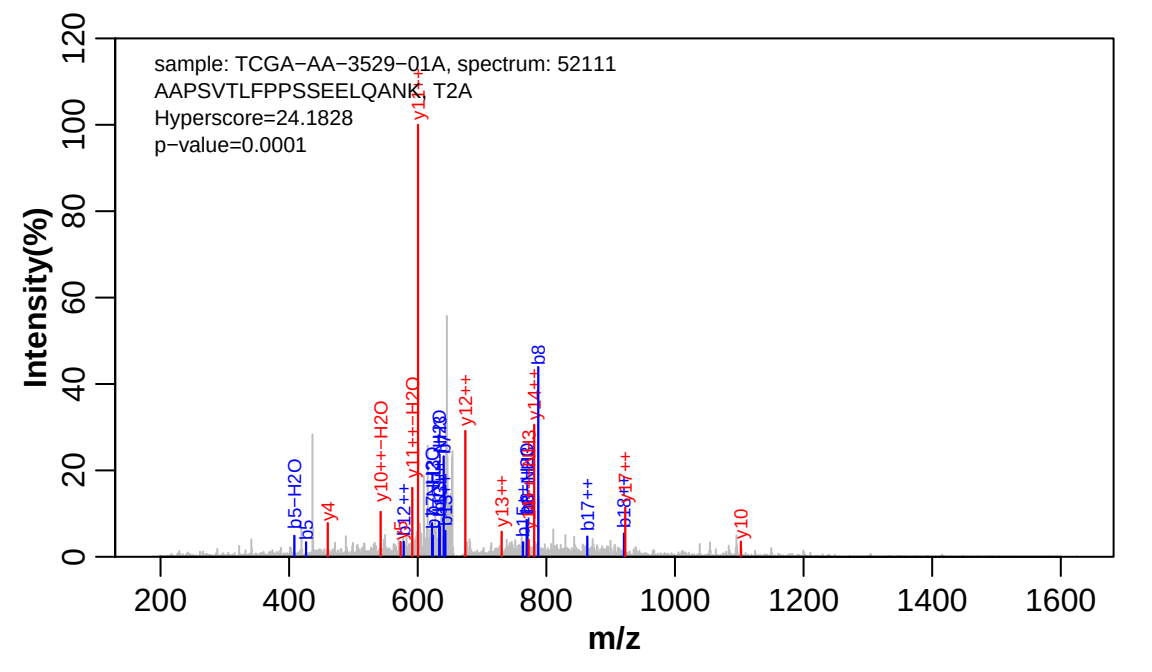

sample: TCGA−AA−3525−01A, spectrum: 101882
STESLQTNVQR, A7T
Hyperscore=43.4500
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y4
b5−H2O
b4−H2O
b3−H2O
y3
b3
b4
b5
b5−NH3
b6
y8
b9
b10

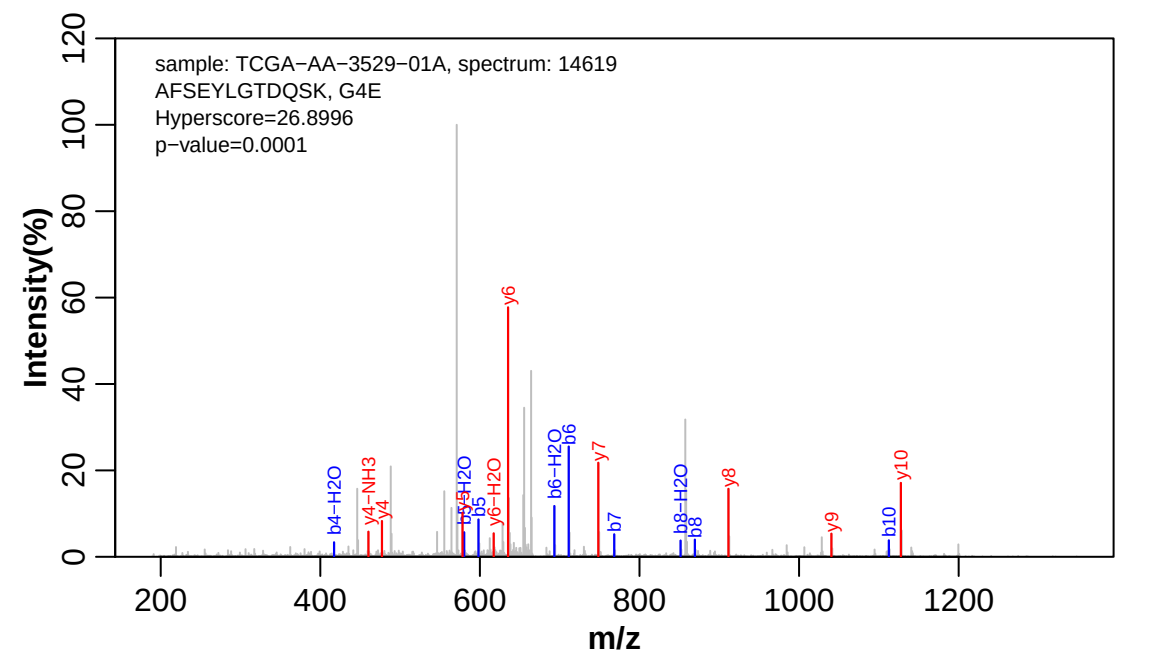

sample: TCGA−AA−3525−01A, spectrum: 78593
VPSFETAEGLGAELK, T12A
Hyperscore=36.2876
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y4
y5−NH3
y5
b5
y6−H2O
y7
b7−H2O
b7
y8
b8−H2O
y9
b9
y10−H2O
y10
b10
b11
y11
b12
b13
y13
b14

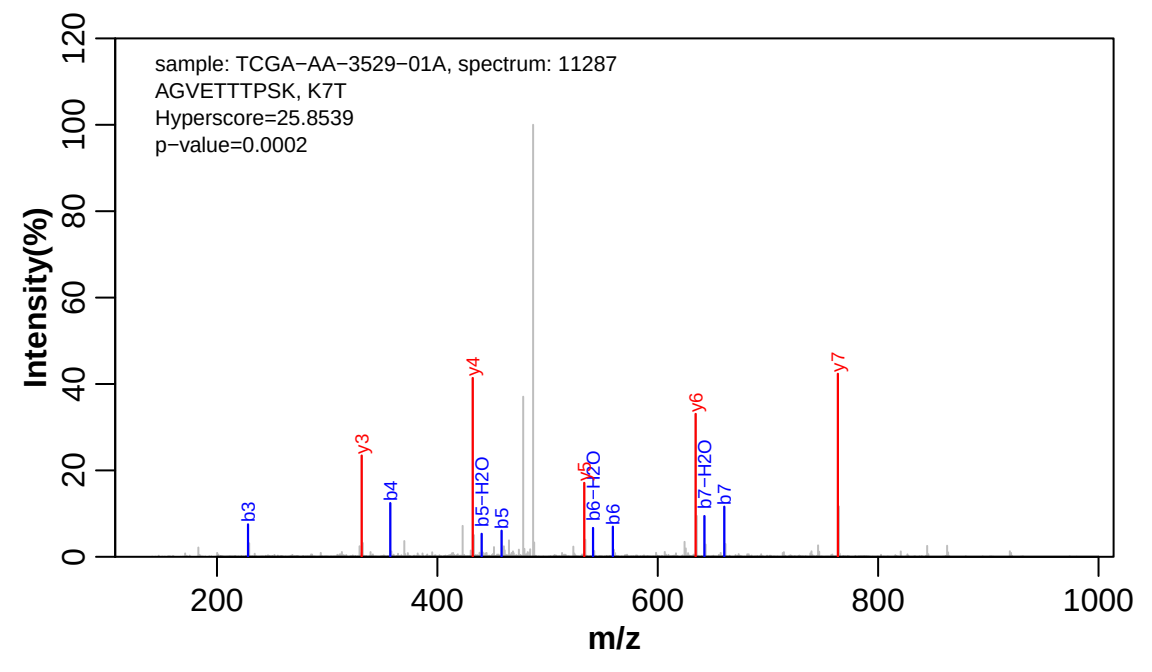

sample: TCGA−AA−3525−01A, spectrum: 110479
VPVTQATR, L3V
Hyperscore=16.2004
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
y4
y5
y6
y7

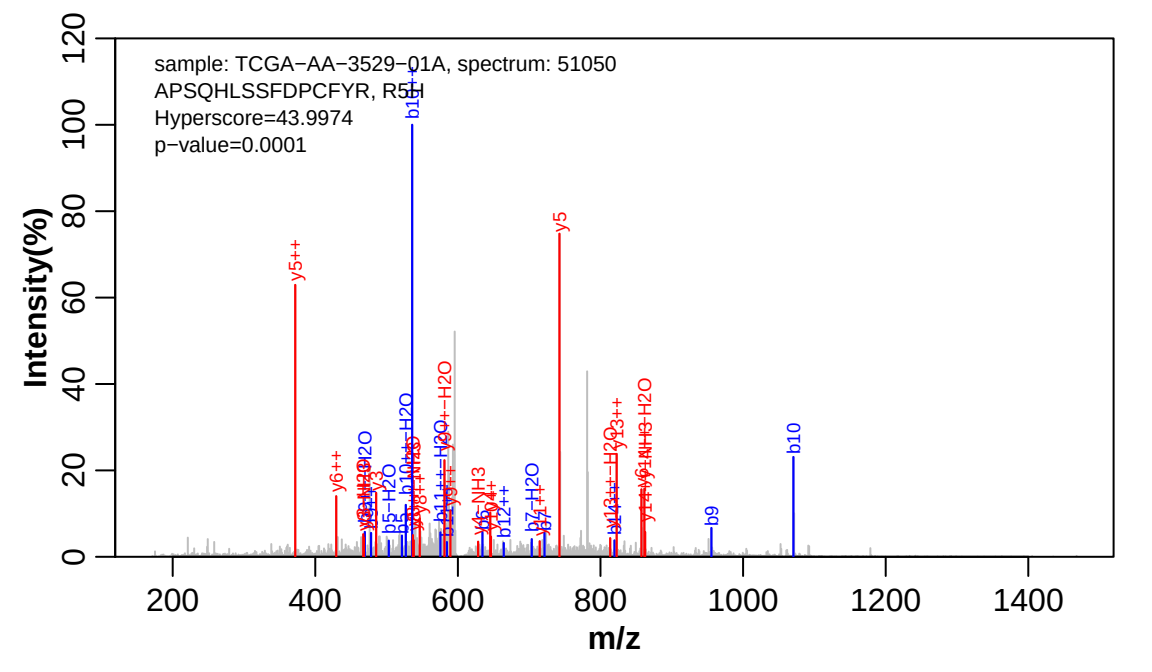

sample: TCGA−AA−3525−01A, spectrum: 40159
VSADLGAEAGLQQLLGALR, P2S
Hyperscore=80.6517
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y10
y11
y12
y8
y4
y7
y5
y6
y9
y14
b15
b18
b17
y2
y3
b5
b7
b8
b9
b10
b11
b12
b13
b14
b16
y10−NH3
b9−H2O
b10−H2O
b11−H2O
b12−H2O
b13−H2O
b14−H2O
b16−H2O
b7−H2O
b8−H2O

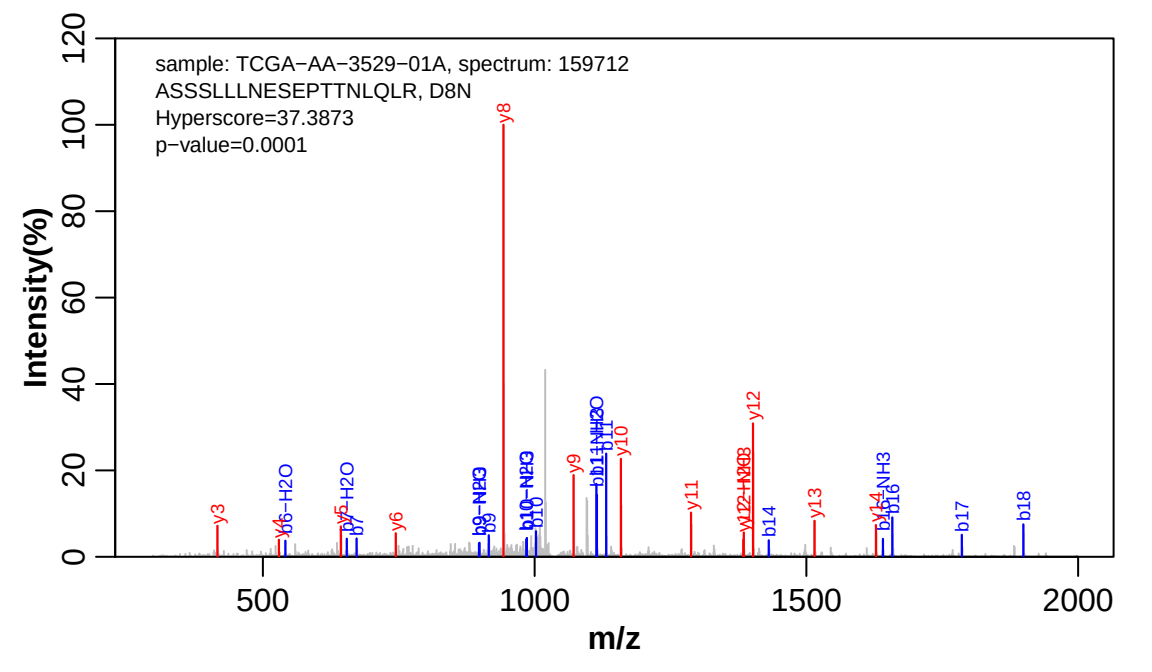

sample: TCGA−AA−3525−01A, spectrum: 34979
YPVDTLPTSK, I3V
Hyperscore=22.9130
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
y4−NH3
y4−H2O
y4
b4−NH3
b4
y5−NH3
y5−H2O
y5
y6−H2O
y6
b6−H2O
b6
y7
y8
b9−NH3
b9

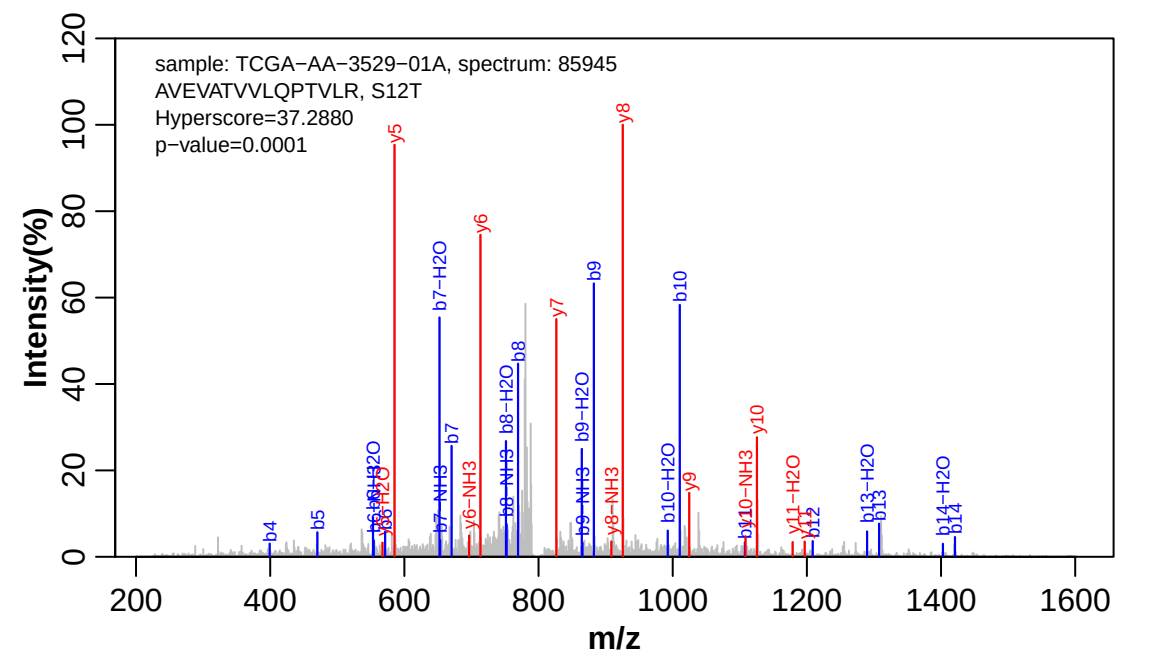

sample: TCGA−AA−3529−01A, spectrum: 52111
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=24.1828
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y12++
y10++−H2O
y11++−H2O
b5−H2O
b5
y4
y12++
y13++
y14++
b8
b17++
b13++
y10

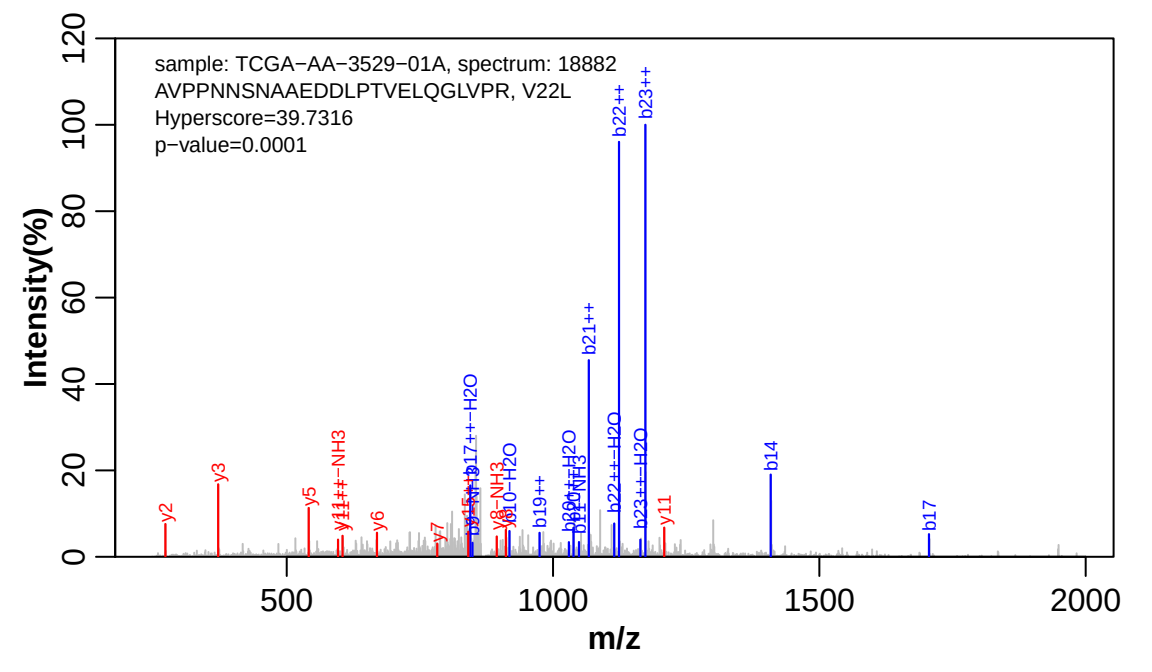

sample: TCGA−AA−3529−01A, spectrum: 14619
AFSEYLGTDQSK, G4E
Hyperscore=26.8996
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b4−H2O
y4−NH3
y4
b5−H2O
b5
y6
y6−H2O
b6−H2O
b6
y7
b7
b8−H2O
b8
y8
y9
b10
y10

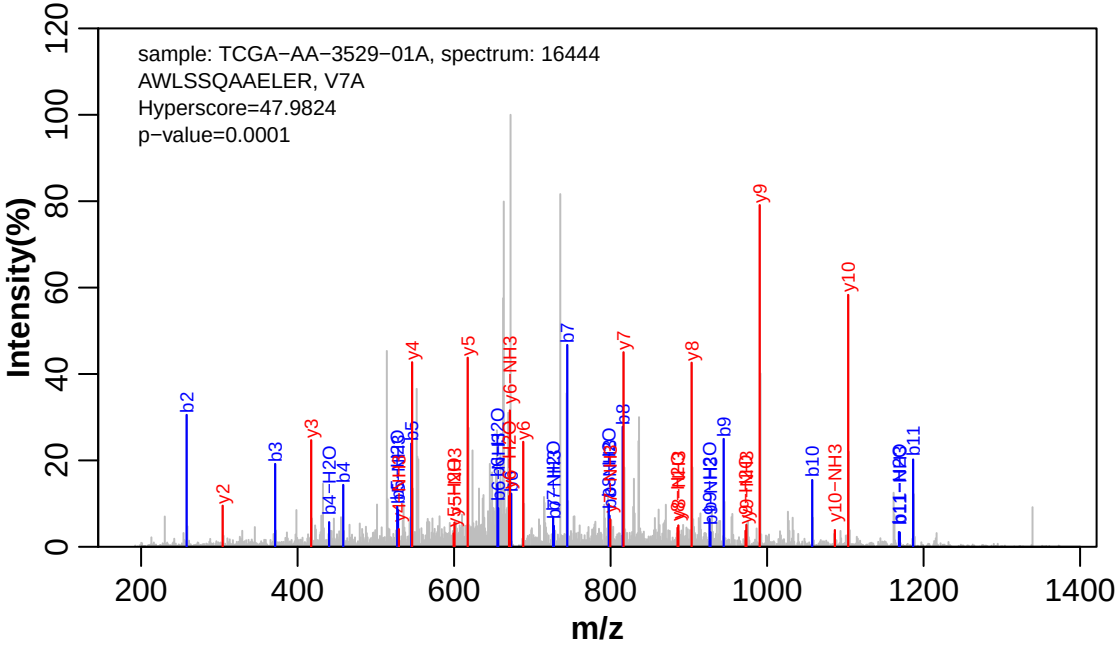

sample: TCGA−AA−3529−01A, spectrum: 11287
AGVETTTPSK, K7T
Hyperscore=25.8539
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7

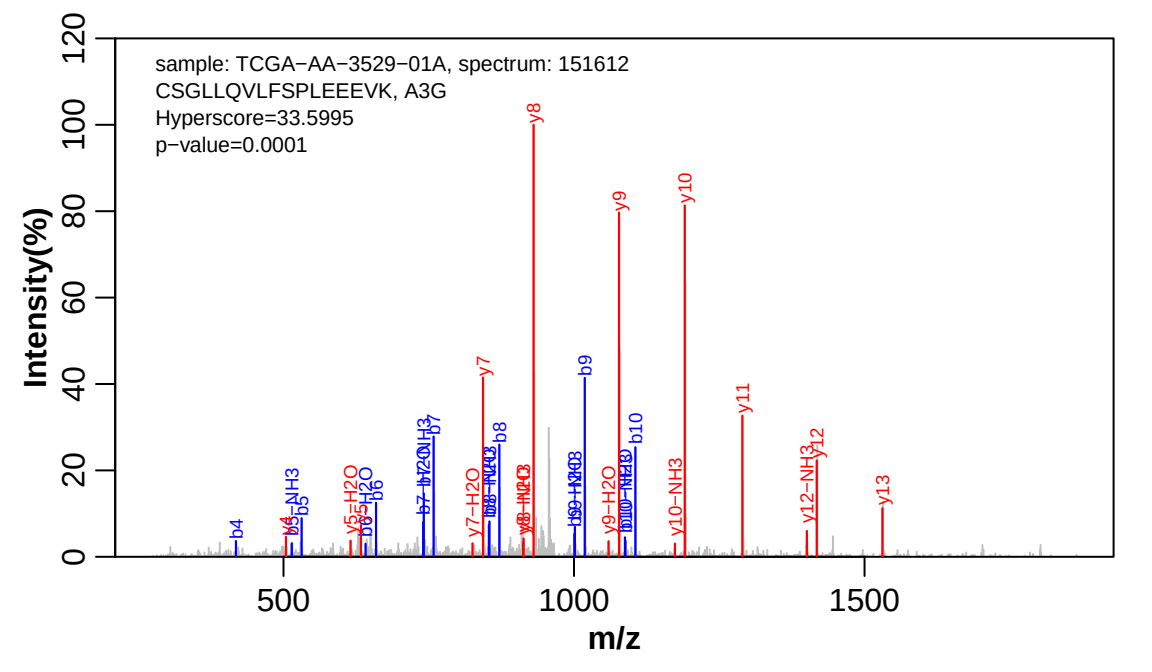

sample: TCGA−AA−3529−01A, spectrum: 51050
APSQHLSSFDPCFYR, R5H
Hyperscore=43.9974
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b10++
y5++
y5
y6++
b10
b9

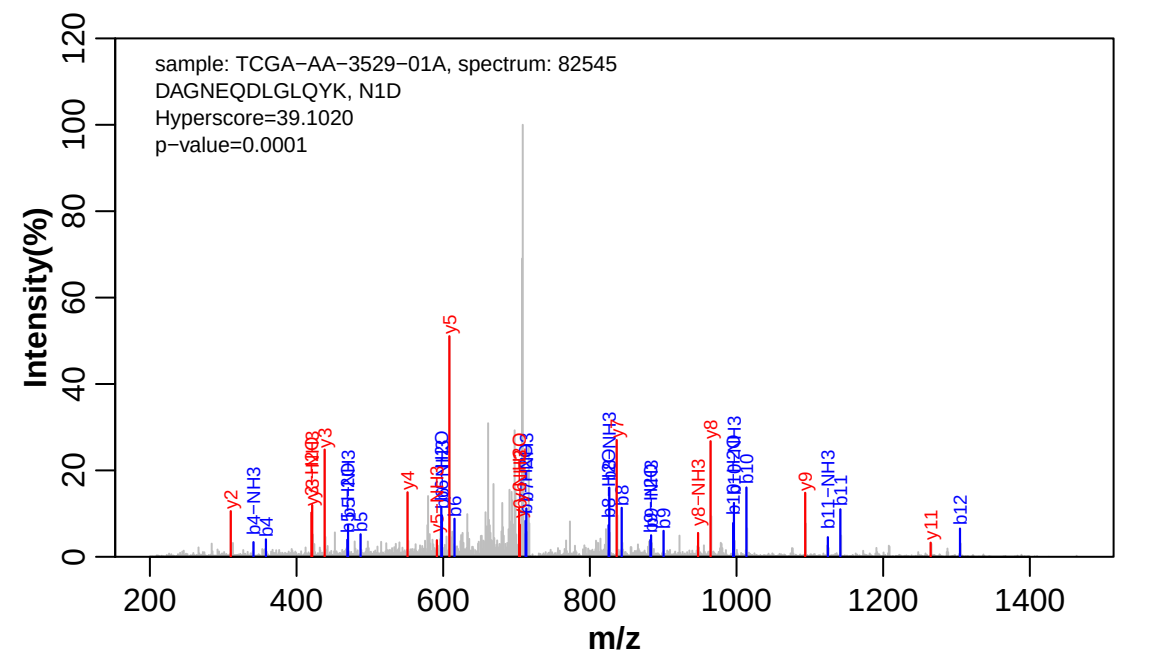

sample: TCGA−AA−3529−01A, spectrum: 159712
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=37.3873
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
b6−H2O
y5
b5−H2O
b7
y6
b9−NH3
b9
b10−NH3
b10
y8
y9
b11−H2O
b11
y10
y11
y12
y12−H2O
y12−NH3
b14
y13
y14
b16
b17
b18

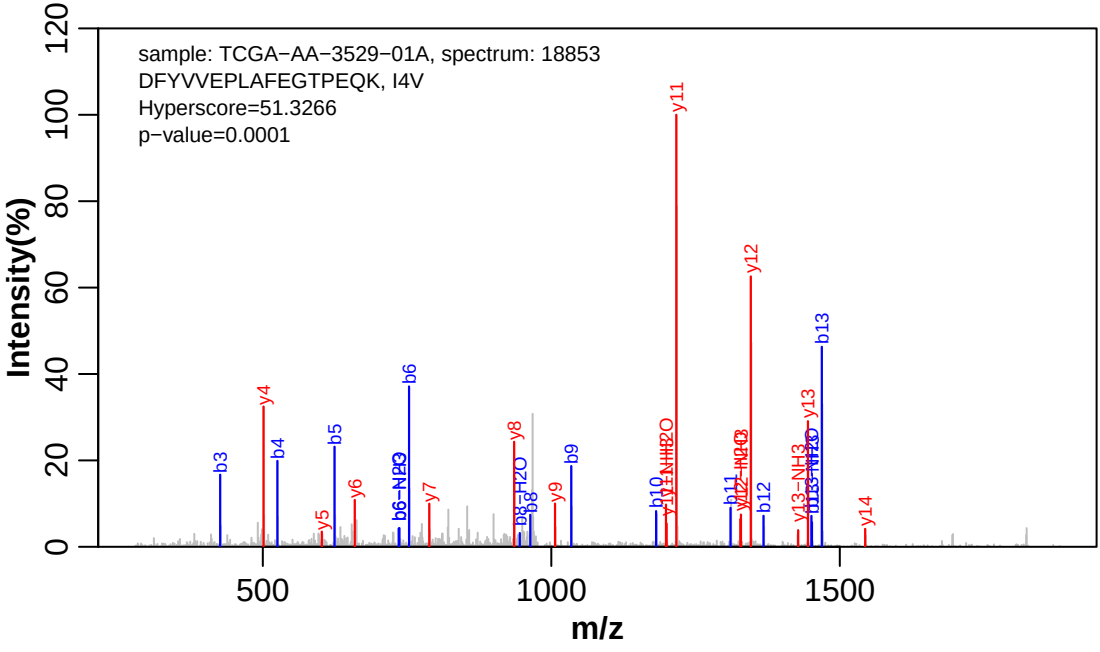

sample: TCGA−AA−3529−01A, spectrum: 85945
AVEVATVVLQPTVLR, S12T
Hyperscore=37.2880
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4
b5
b6−H2O
b6−NH3
b6
b7−NH3
b7
b7−H2O
y6−NH3
y6
b8−NH3
b8−H2O
b8
y7
b9−NH3
b9−H2O
b9
y8−NH3
y8
b10−H2O
b10
y9
b10−NH3
y10
y11−H2O
y11
y12
b13−H2O
b13
b14−H2O
b14
y5

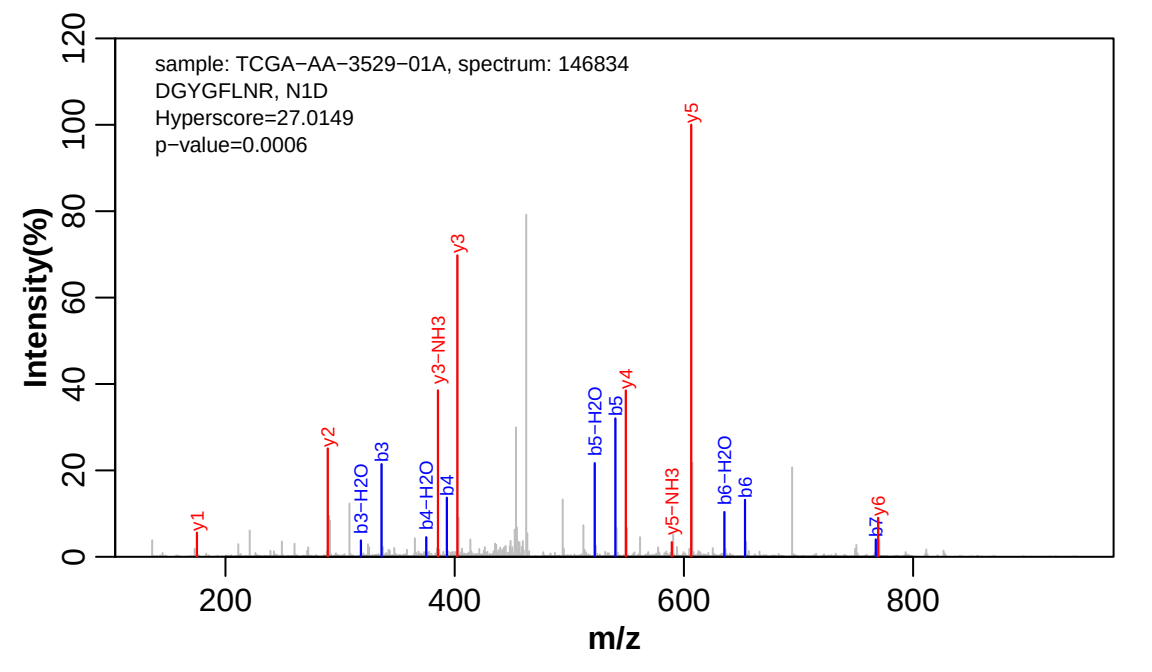

sample: TCGA−AA−3529−01A, spectrum: 18882
AVPPNNSNAAEDDLPTVELQGLVPR, V22L
Hyperscore=39.7316
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y5
y11++−NH3
y6
y7
b17++−H2O
y8−NH3
y10−H2O
b19++
b21++
b22++−H2O
b23++−H2O
y11
b14
b17
b22++
b23++

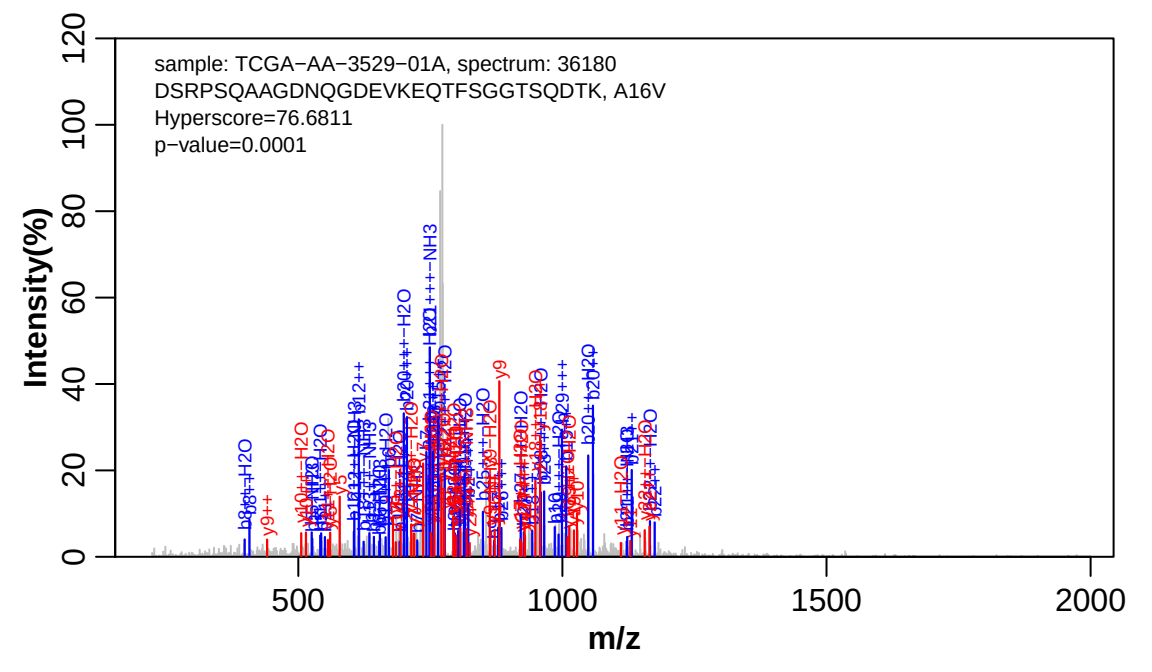

sample: TCGA−AA−3529−01A, spectrum: 16444
AWLSSQAAELER, V7A
Hyperscore=47.9824
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4−H2O
b4
y4
b5
y5
y6−NH3
y6
b7
y7
b8
y8
b9
y9
b10
y10−NH3
y10
b11

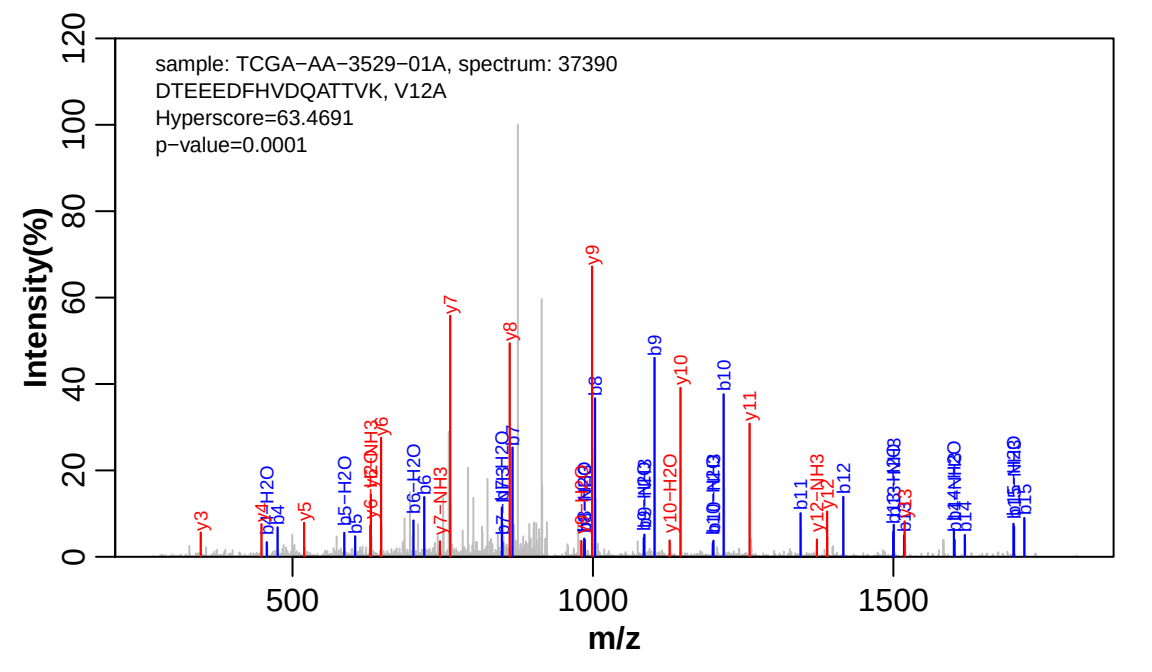

sample: TCGA−AA−3529−01A, spectrum: 151612
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=33.5995
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y8
y9
y10
y7
b9
y11
b10
b8
b7
b6
b5
y12
y13
y7−H2O
y9−H2O
y10−NH3
y12−NH3
y5−H2O
b5−NH3
b6−H2O
b7−H2O
b7−NH3

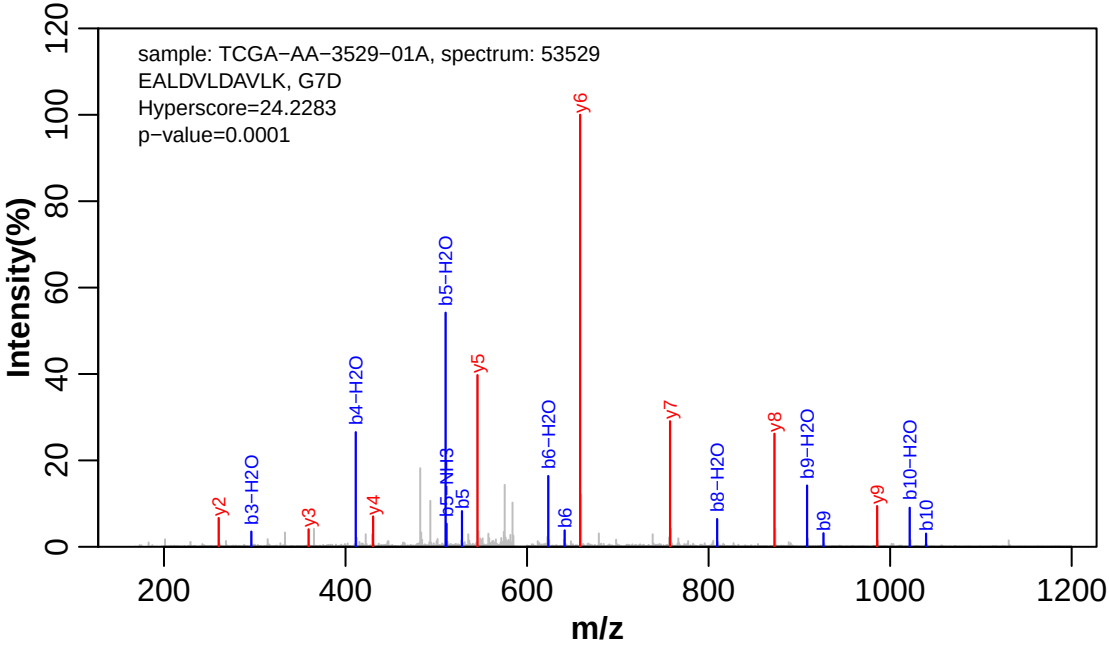

sample: TCGA−AA−3529−01A, spectrum: 82545
DAGNEQDLGLQYK, N1D
Hyperscore=39.1020
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−NH3
b4
y3
y4
y5
b5
b6
y8
y8−NH3
b10
y9
b11−NH3
b11
y11
b12

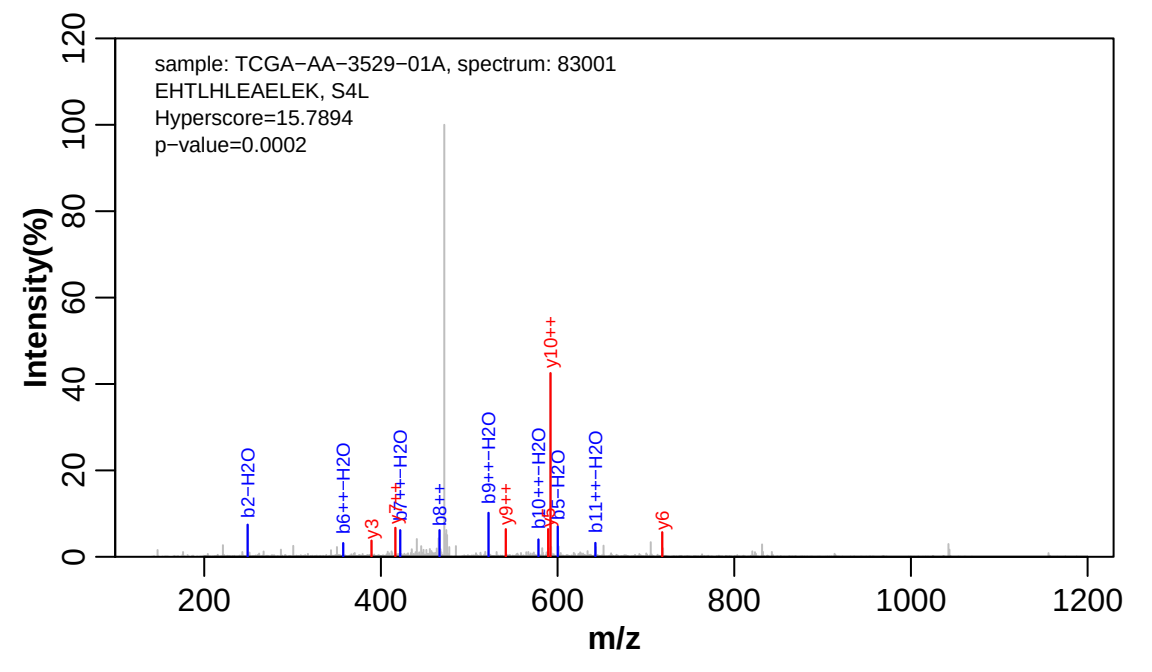

sample: TCGA−AA−3529−01A, spectrum: 18853
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=51.3266
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
y5
y6
b6
y7
y8
y9
b9
b10
y11
y12
b11
b12
b13
y13
y14

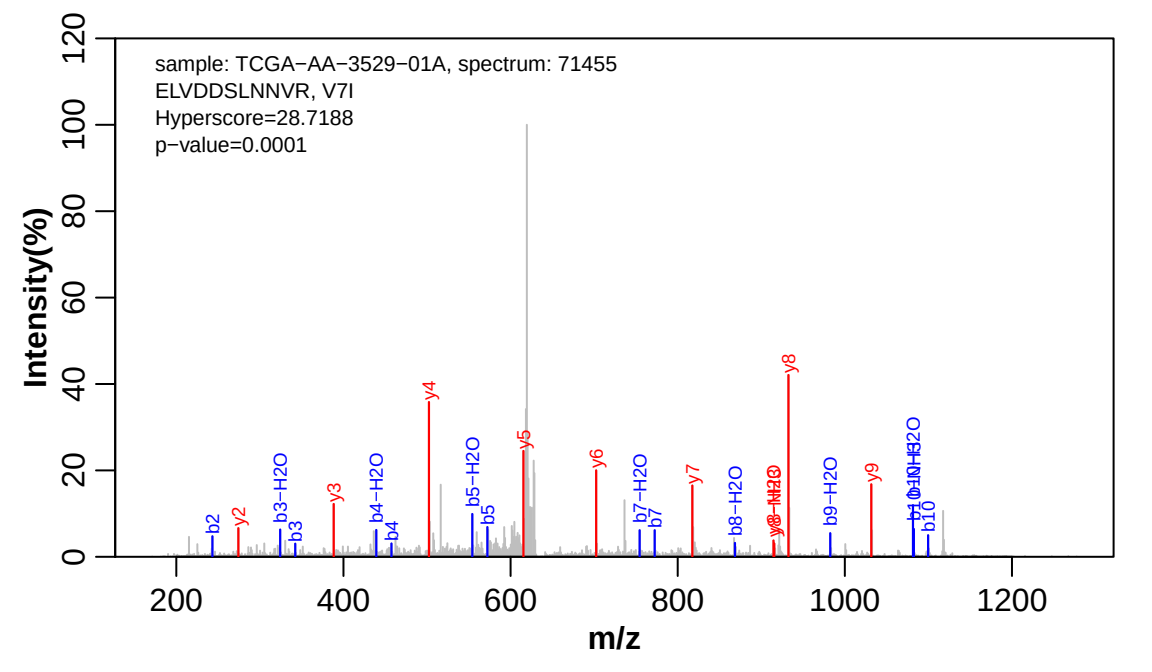

sample: TCGA−AA−3529−01A, spectrum: 146834
DGYGFLNR, N1D
Hyperscore=27.0149
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−H2O
b5
y4
y5−NH3
y5
b6−H2O
b6
b7
y6

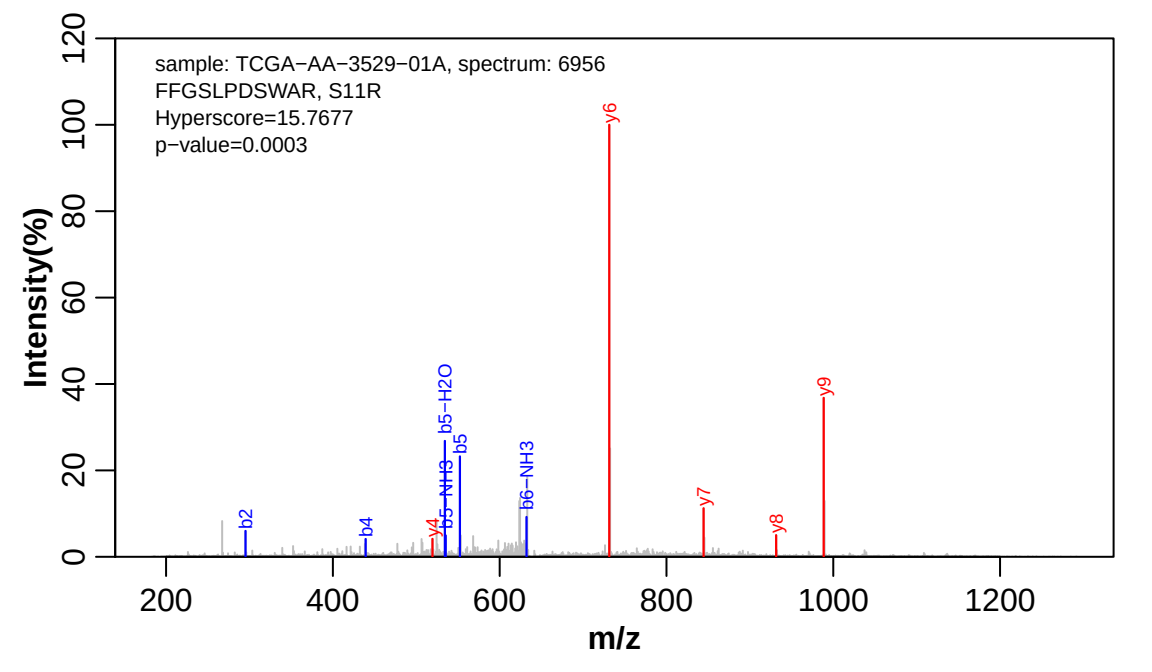

sample: TCGA−AA−3529−01A, spectrum: 36180
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=76.6811
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

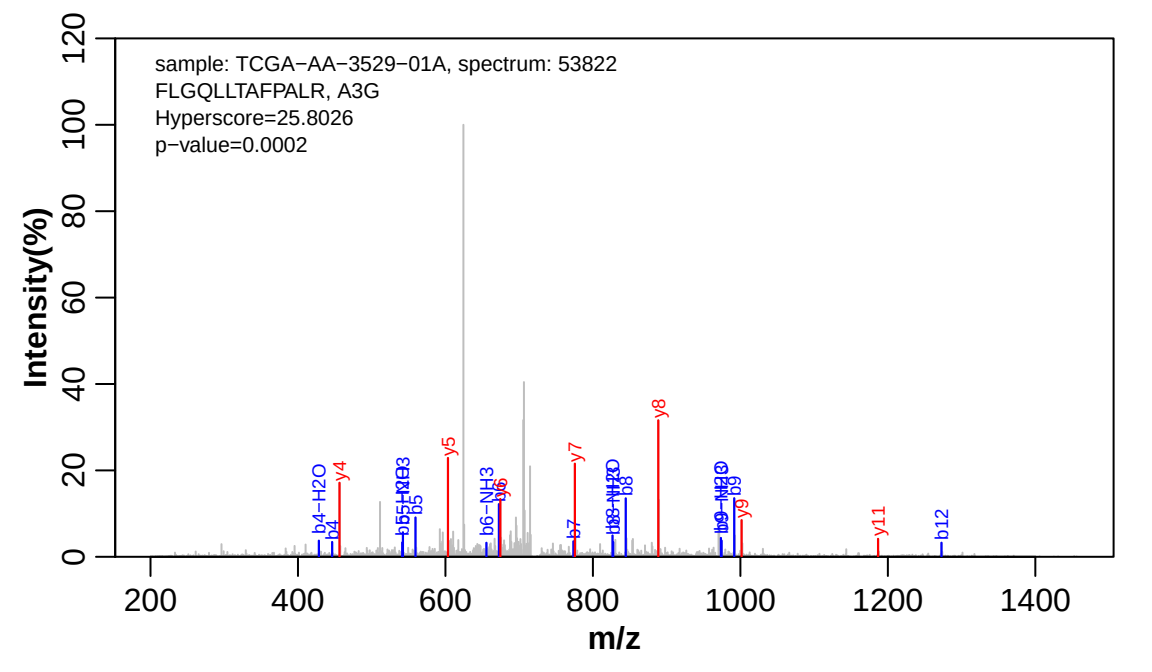

sample: TCGA−AA−3529−01A, spectrum: 37390
DTEEEDFHVDQATTVK, V12A
Hyperscore=63.4691
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b4
y5
b5−H2O
b5
y6
b6−H2O
b6
y7−NH3
y7
y8
b7
y9
b8
b9
y10−H2O
y10
b10
y11
b11
y12−NH3
y12
b12
b14
b15

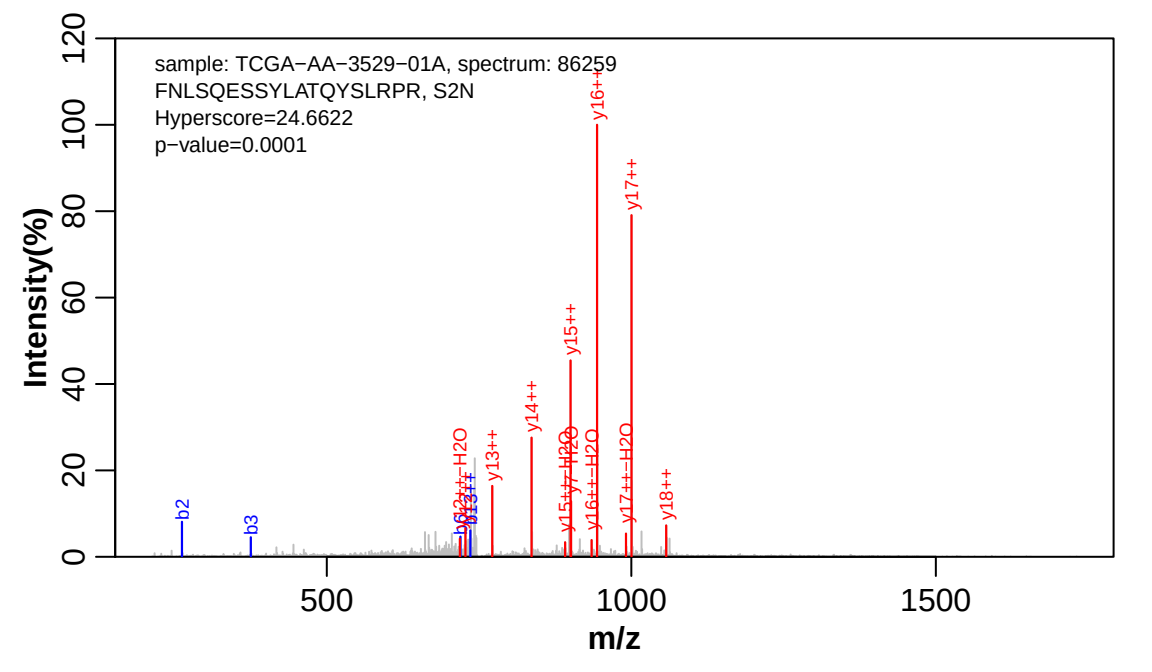

sample: TCGA−AA−3529−01A, spectrum: 53529
EALDVLDAVLK, G7D
Hyperscore=24.2283
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
y4
b4−H2O
b5−NH3
b5
b5−H2O
y5
b6
b6−H2O
y6
y7
b8−H2O
y8
b9
b9−H2O
y9
b10
b10−H2O

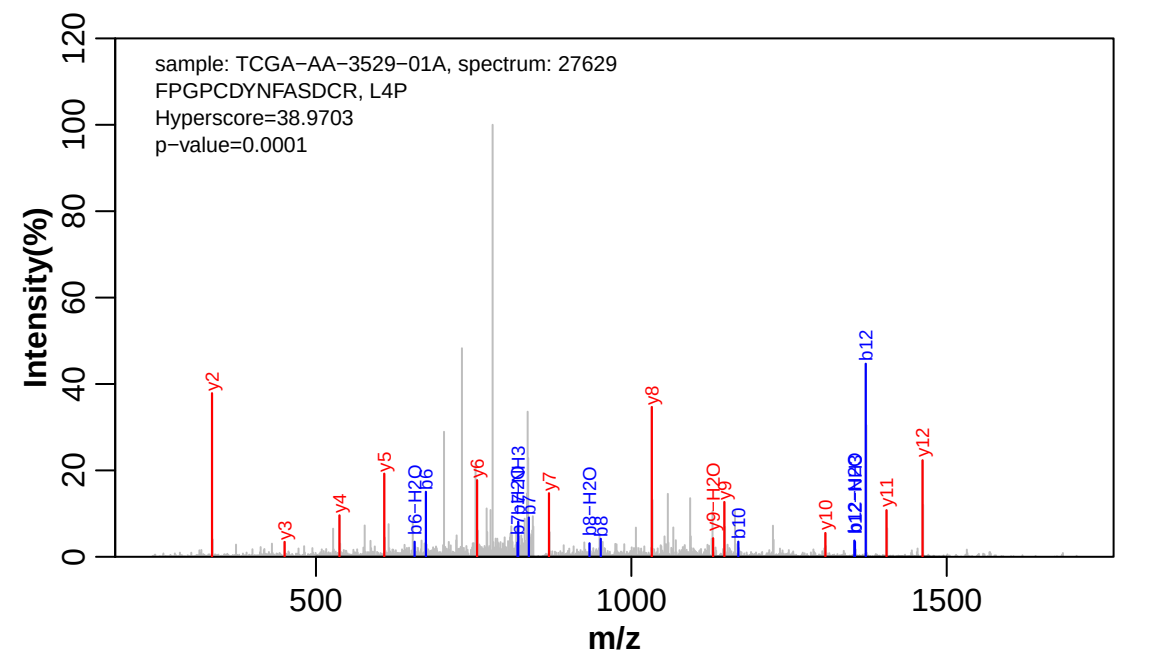

sample: TCGA−AA−3529−01A, spectrum: 83001
EHTLHLEAELEK, S4L
Hyperscore=15.7894
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b6++−H2O
y3
y7++
y7++−H2O
b8++
b9++−H2O
y9++
b10++−H2O
y8
b5−H2O
y10++
b11++−H2O
y6

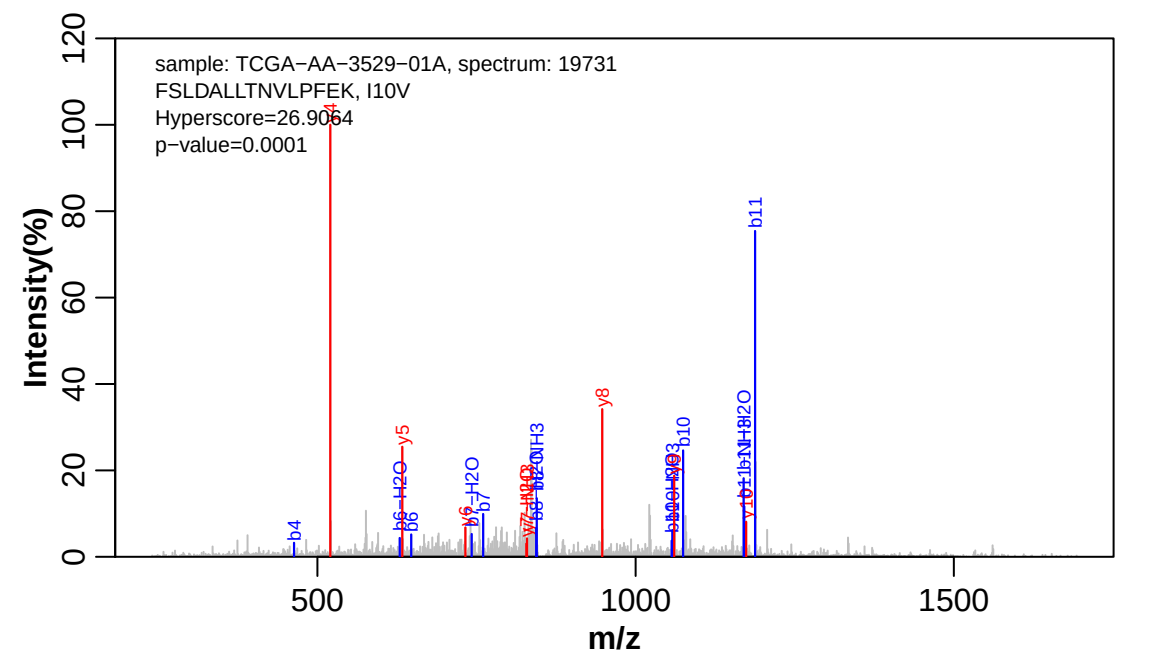

sample: TCGA−AA−3529−01A, spectrum: 71455
ELVDDSLNNVR, V7I
Hyperscore=28.7188
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7
b8−H2O
y8
b9−H2O
y9
b10
y10

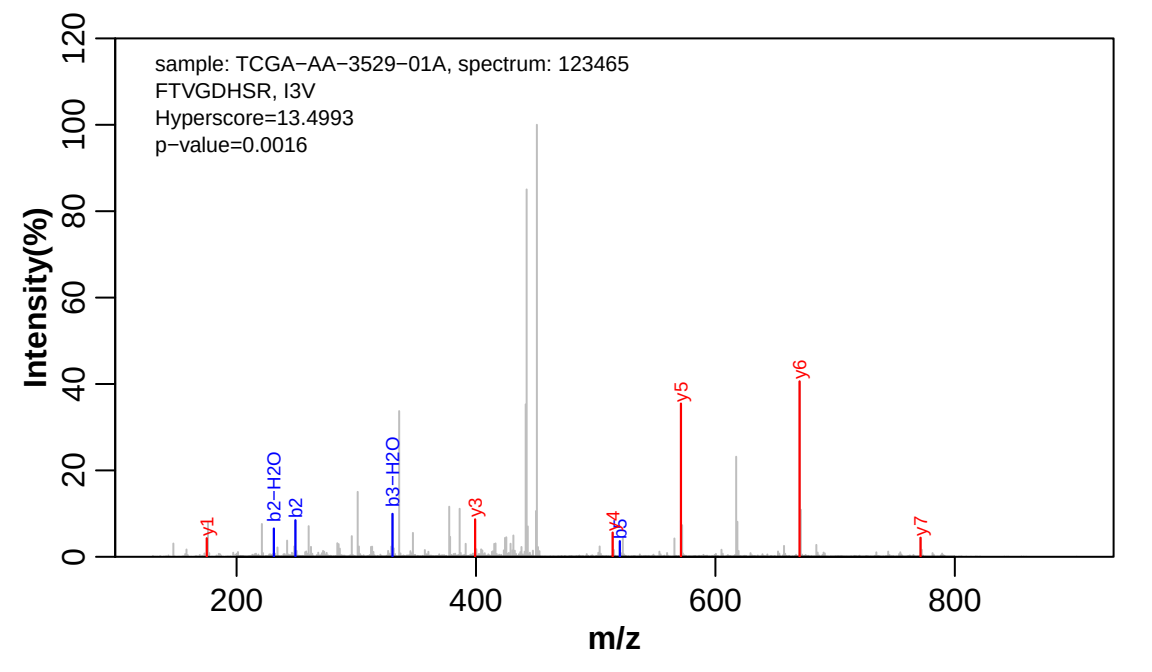

sample: TCGA−AA−3529−01A, spectrum: 6956
FFGSLPDSWAR, S11R
Hyperscore=15.7677
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

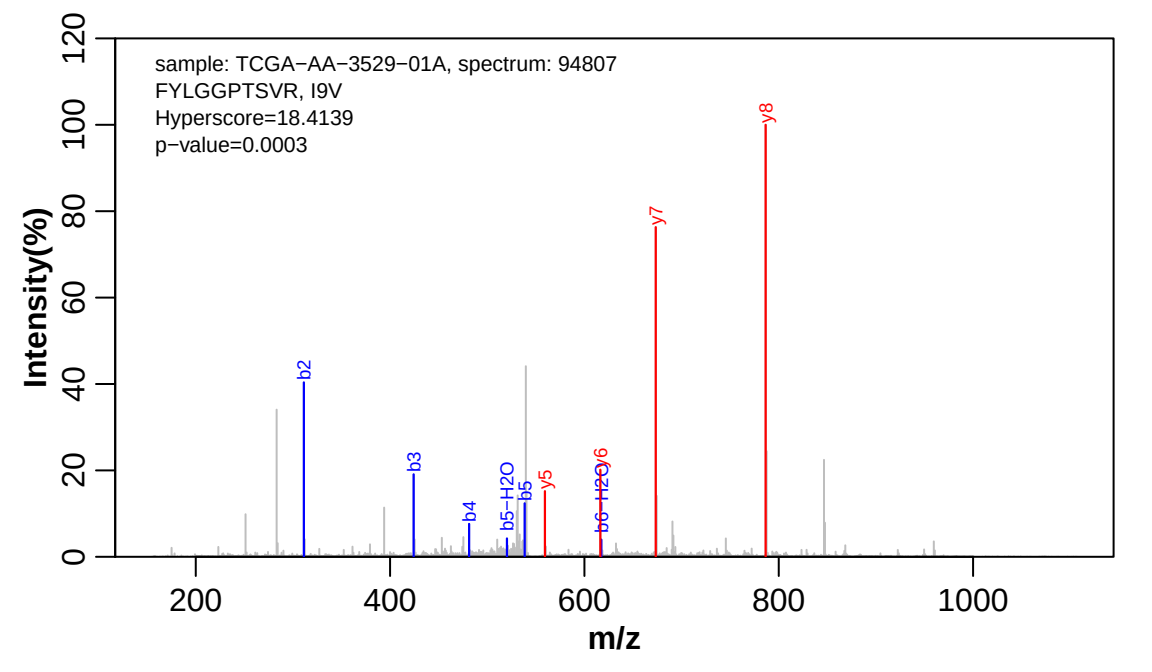

sample: TCGA−AA−3529−01A, spectrum: 53822
FLGQLLTAFPALR, A3G
Hyperscore=25.8026
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4−H2O
y4
y5
b6−NH3
y7
y8
b8
y9
y11
b12

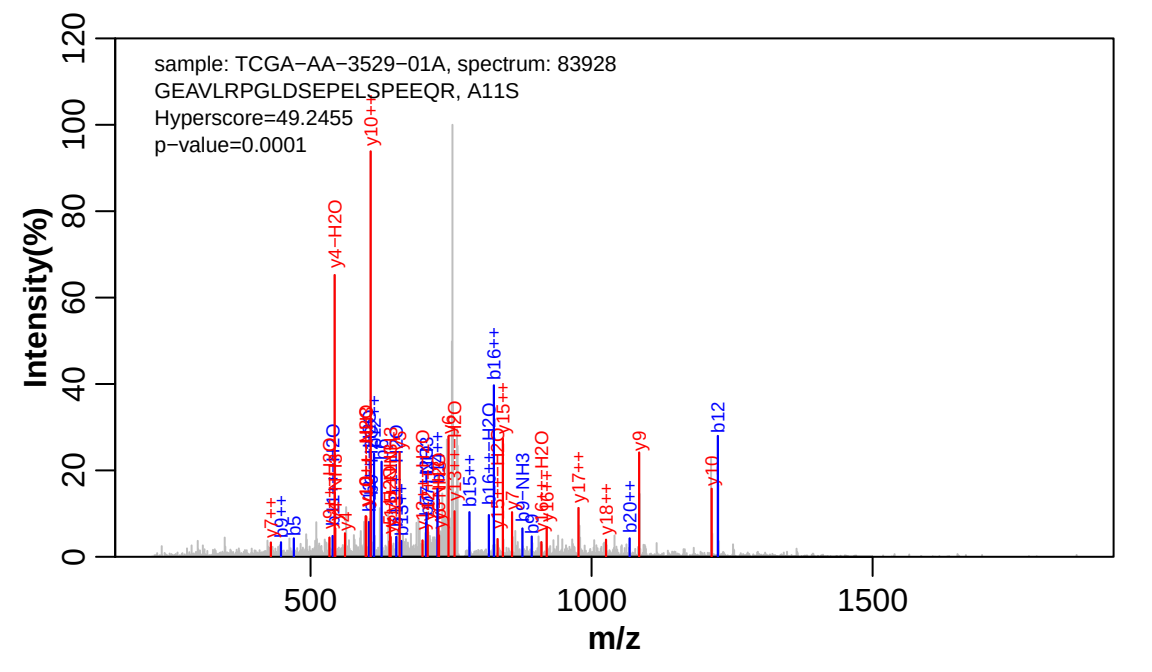

sample: TCGA−AA−3529−01A, spectrum: 86259
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=24.6622
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
y13++
y14++
y15++
y16++
y17++
y18++
y15++−H2O
y16++−H2O
y17++−H2O

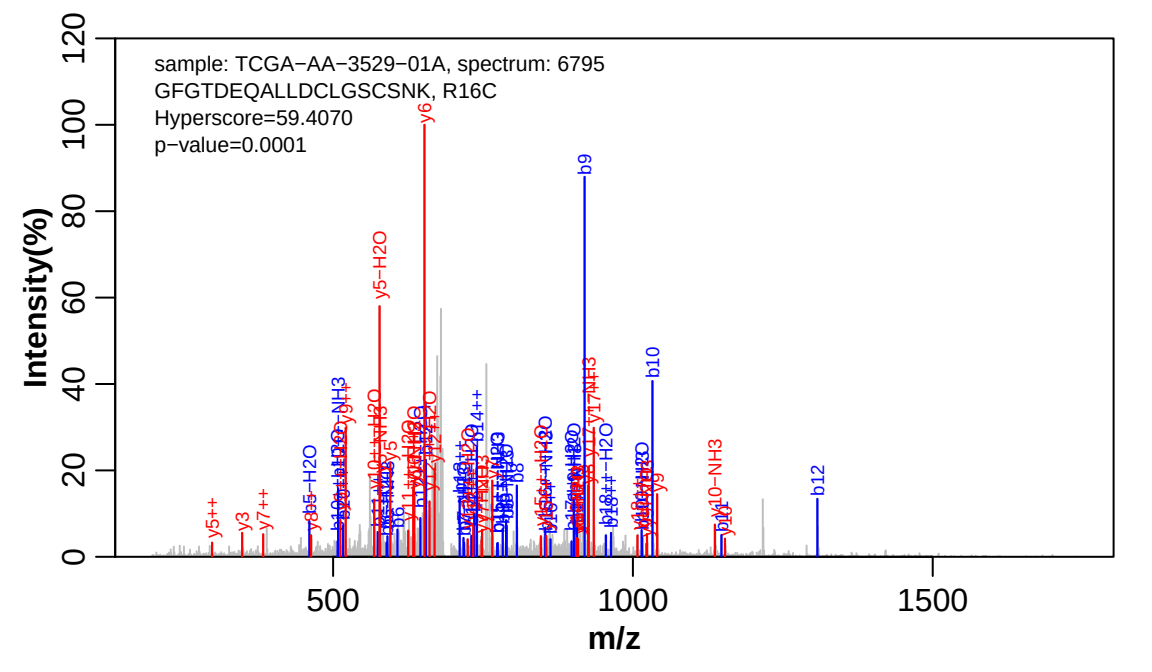

sample: TCGA−AA−3529−01A, spectrum: 27629
FPGPCDYNFASDCR, L4P
Hyperscore=38.9703
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y3
y4
y5
b6−H2O
b6
y6
b7−H2O
b7
b7−NH3
y7
b8−H2O
b8
y8
y9−H2O
y9
b10
y10
b12−NH3
b12
y11
y12

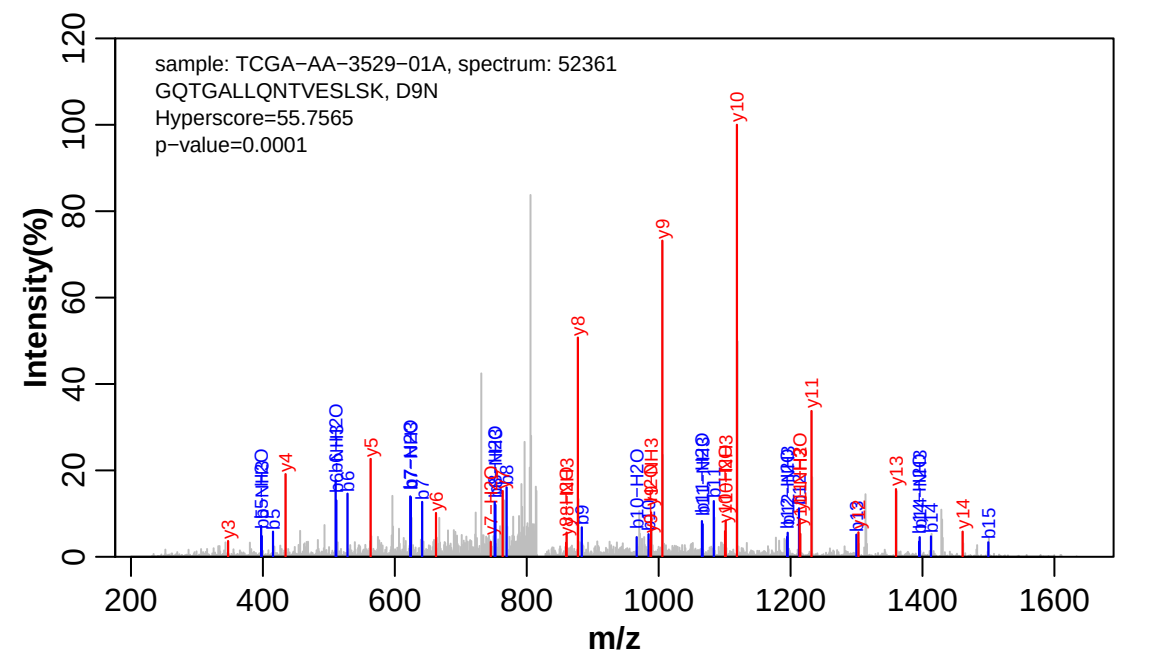

sample: TCGA−AA−3529−01A, spectrum: 19731
FSLDALLTNVLPFEK, I10V
Hyperscore=26.9064
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y8
b11
b10
b4
b6
b6−H2O
b7
b7−H2O
b6−NH3
b7−NH3
b11−H2O

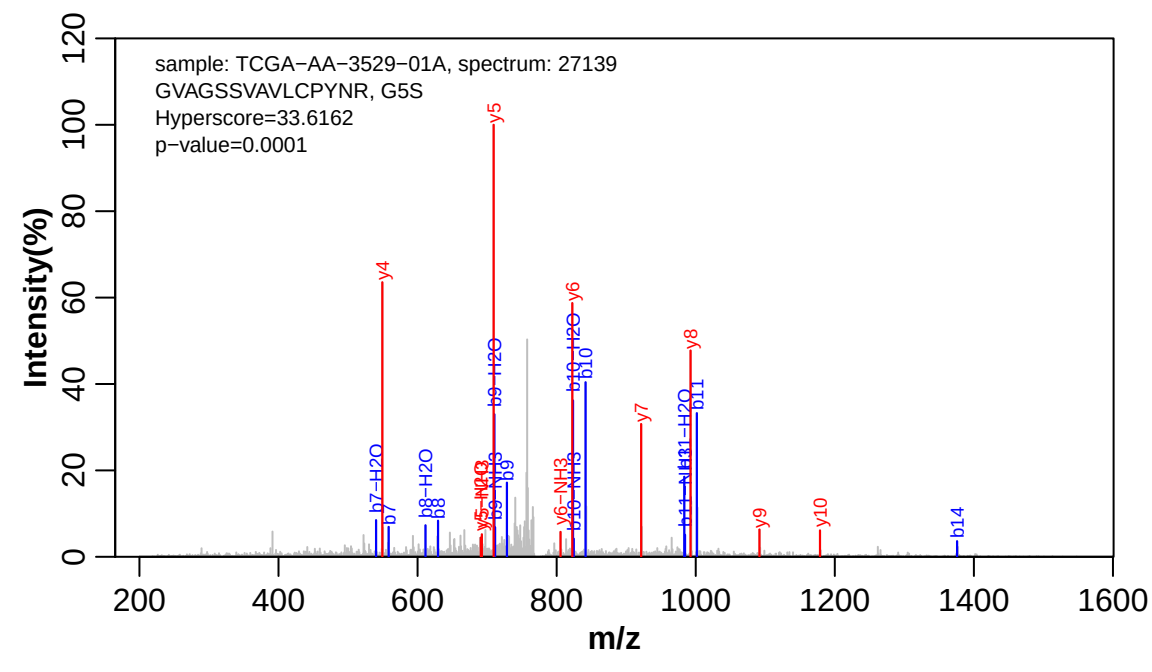

sample: TCGA−AA−3529−01A, spectrum: 123465
FTVGDHSR, I3V
Hyperscore=13.4993
p−value=0.0016
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
b3−H2O
y3
y4
b5
y5
y6
y7

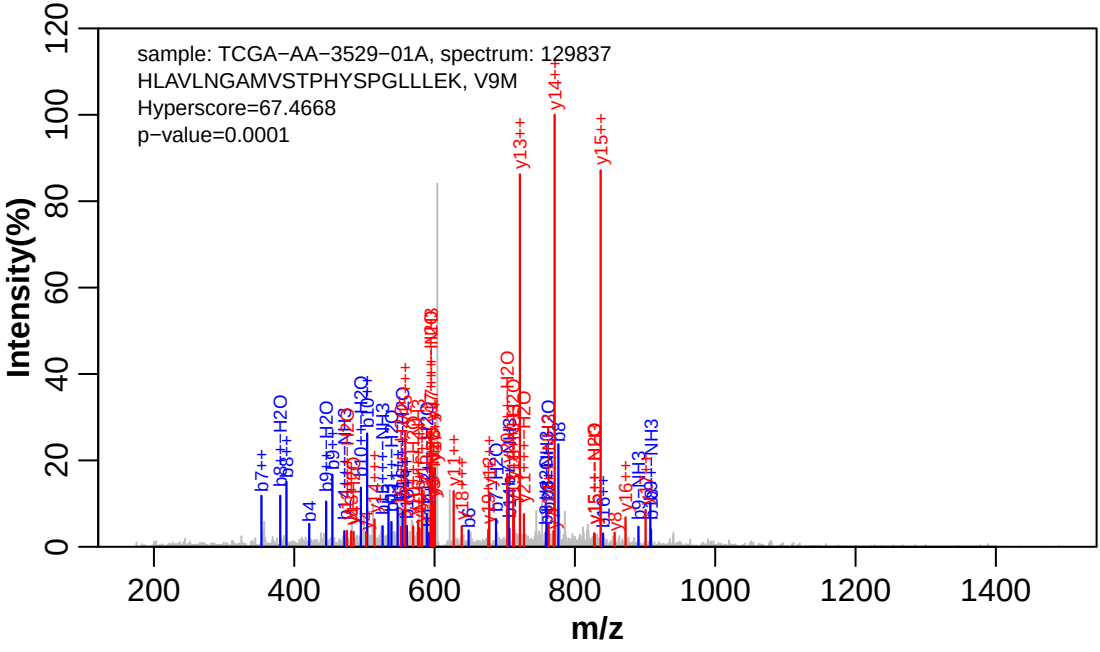

sample: TCGA−AA−3529−01A, spectrum: 94807
FYLGGPTSVR, I9V
Hyperscore=18.4139
p−value=0.0003
Intensity(%)
m/z
b2
b3
b4
b5−H2O
b5
y5
b6−H2O
y6
y7
y8

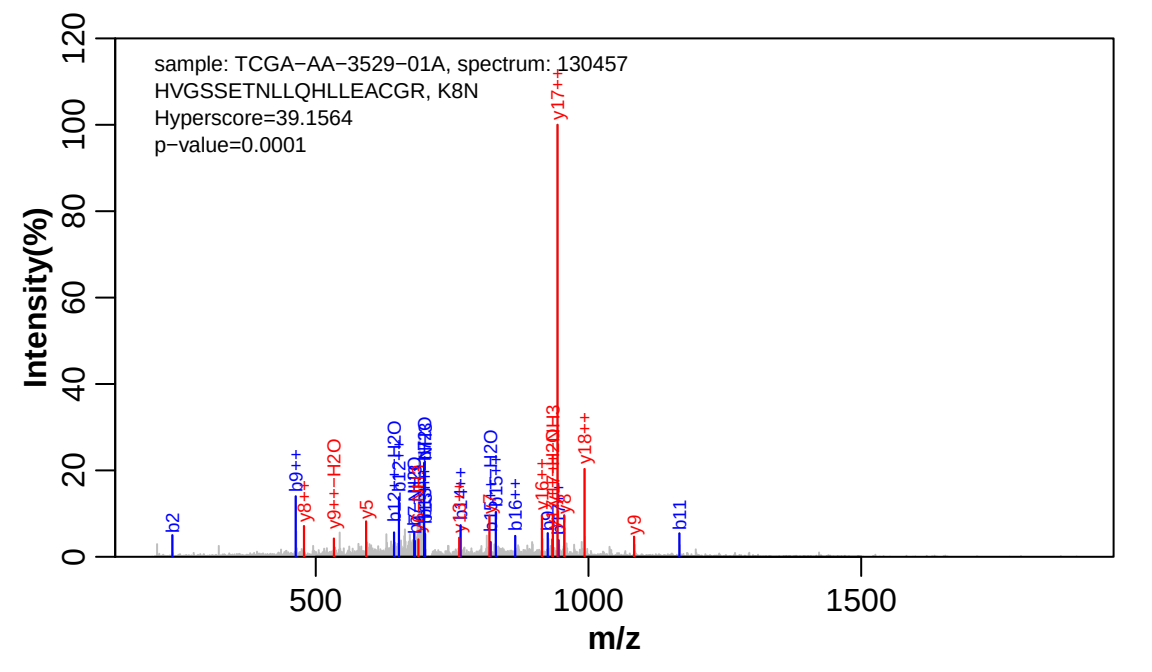

sample: TCGA−AA−3529−01A, spectrum: 83928
GEAVLRPGLDSEPELSPEEQR, A11S
Hyperscore=49.2455
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y10++
y4−H2O
b16++
y15++
y9
b12
y17++
y18++
b20++
b15++
y7++
b5
y4

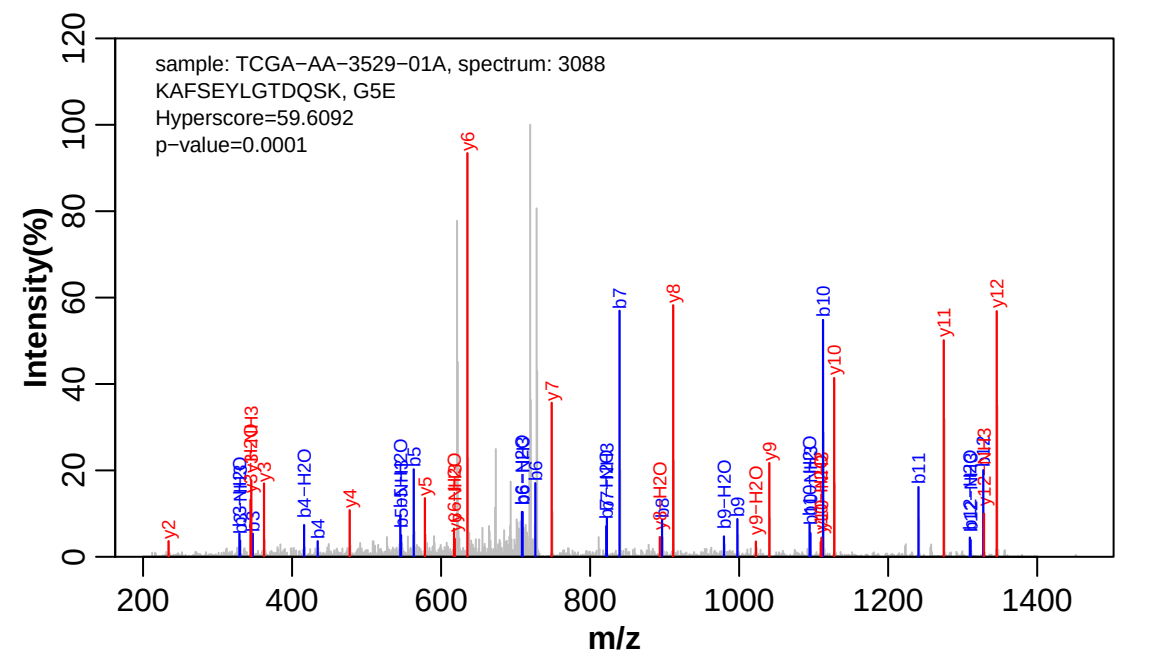

sample: TCGA−AA−3529−01A, spectrum: 6795
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=59.4070
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y5++
y3
y7++
y10−NH3

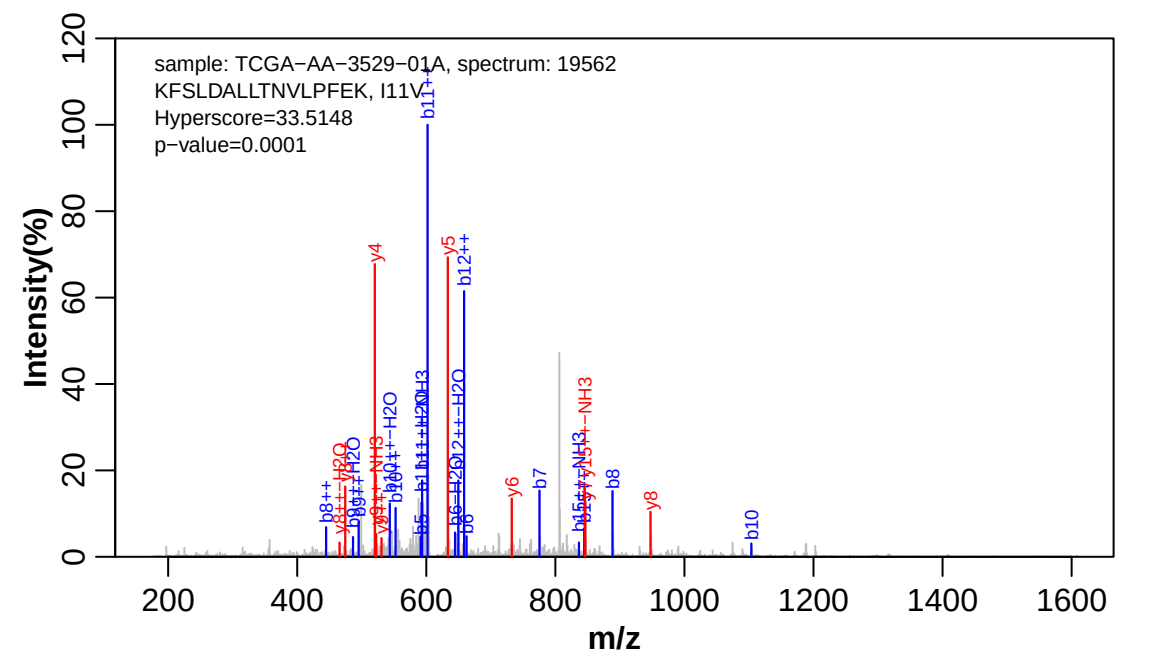

sample: TCGA−AA−3529−01A, spectrum: 52361
GQTGALLQNTVESLSK, D9N
Hyperscore=55.7565
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y5
y4
y3
y6
y13
y14
b15
b7
b9

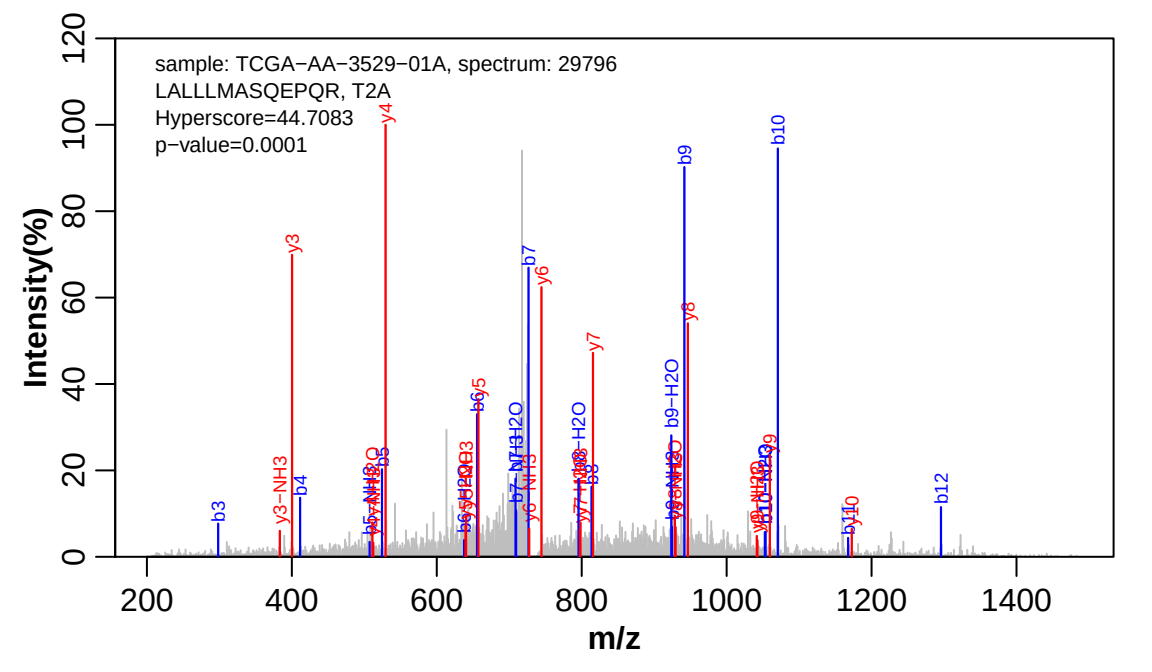

sample: TCGA−AA−3529−01A, spectrum: 27139
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.6162
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y4
y6
y8
y7
y9
y10
b14
b7−H2O
b8−H2O
b9−H2O
b10−H2O
b11−H2O
b7
b8
b9
b10
b11
y5−NH3
y6−NH3
b10−NH3
b11−NH3

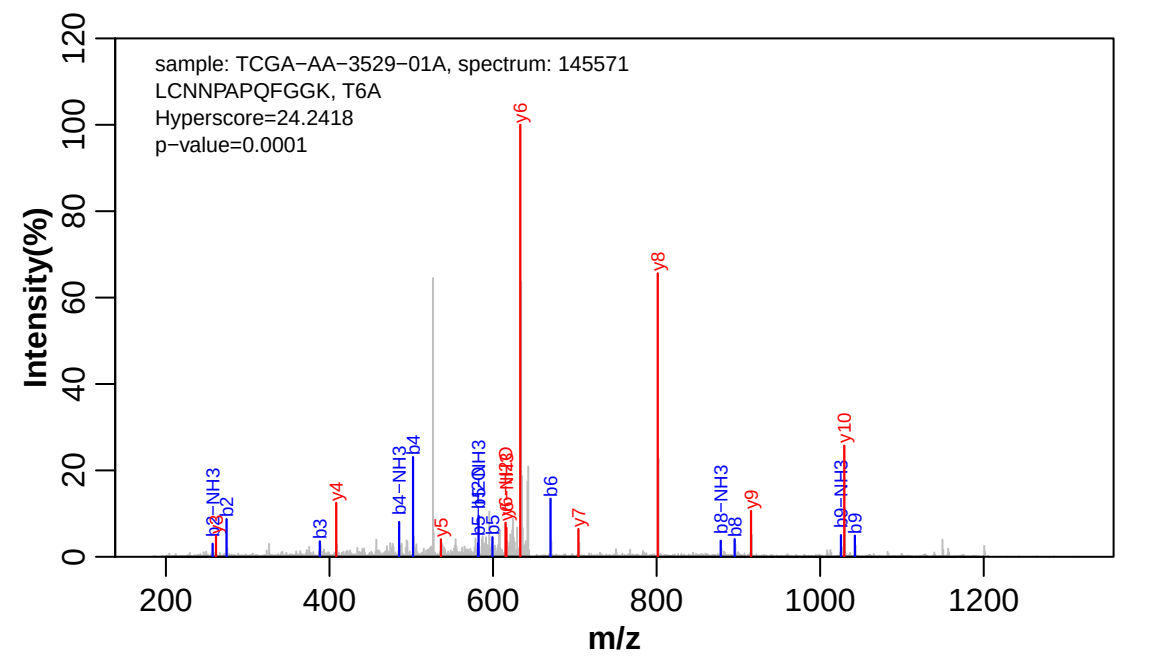

sample: TCGA−AA−3529−01A, spectrum: 129837
HLAVLNGAMVSTPHYSPGLLLEK, V9M
Hyperscore=67.4668
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y14++
y15++
y13++
b7++
b8++-H2O
b4
b9++-H2O
b9++-NH3
b10++-H2O
y16++
b9++-NH3

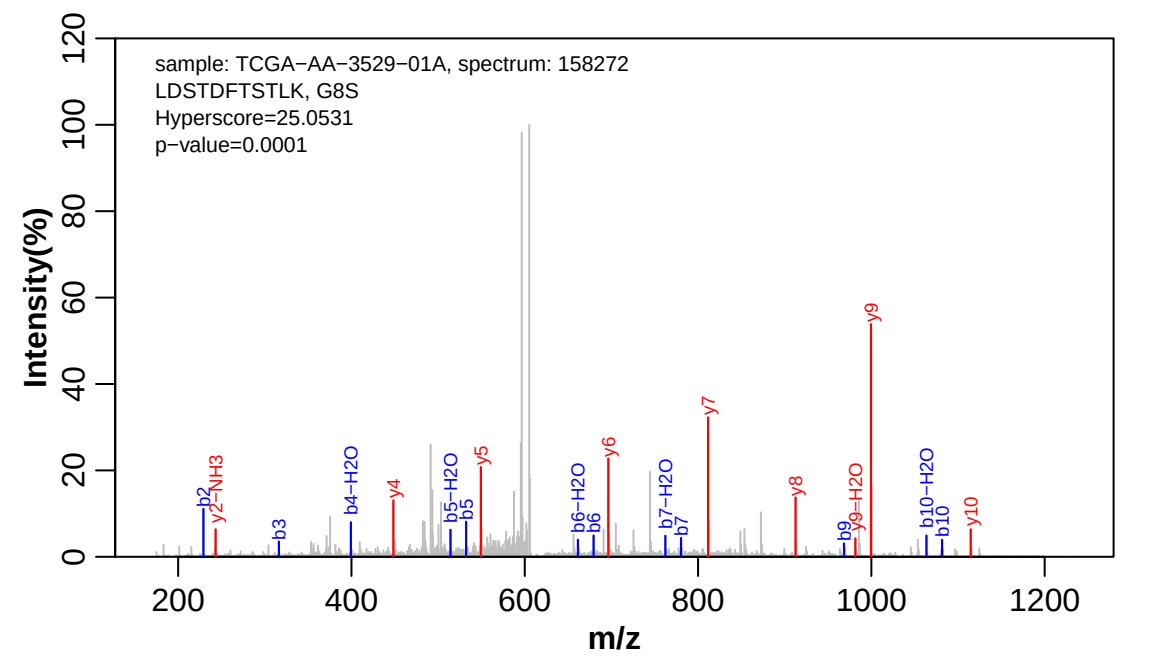

sample: TCGA−AA−3529−01A, spectrum: 130457
HVGSSETNLLQHLLEACGR, K8N
Hyperscore=39.1564
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b9++
y8++
y9++−H2O
y5
b12++H2O
b12++
y14++
b15++H2O
b16++
y16++
y18++
y9
b11
y17++

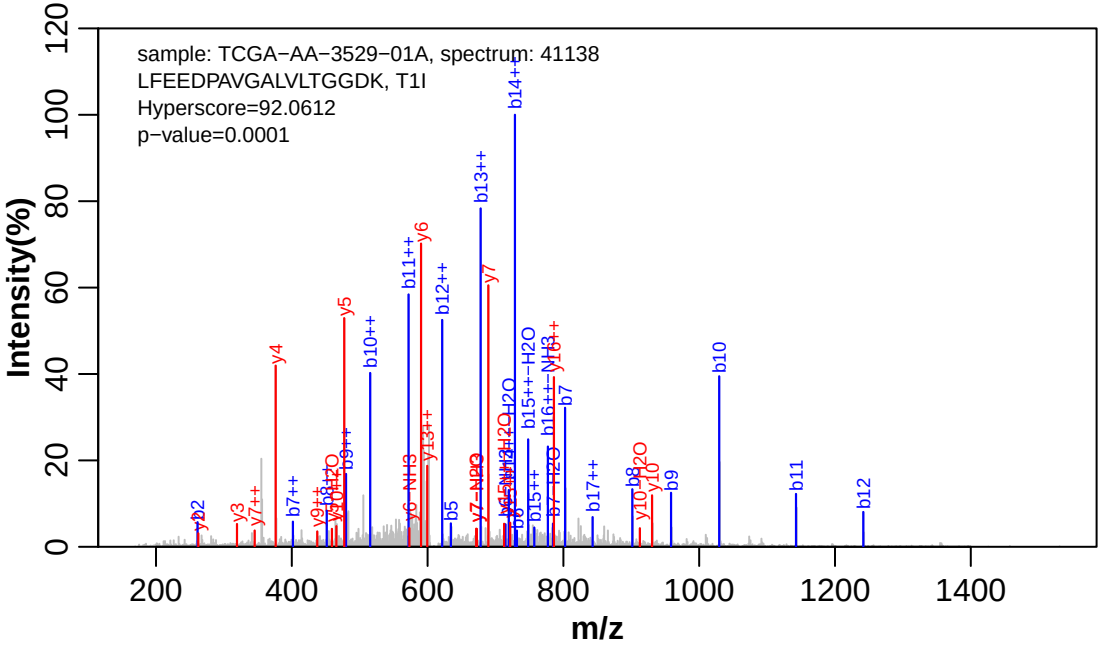

sample: TCGA−AA−3529−01A, spectrum: 3088
KAFSEYLGTDQSK, G5E
Hyperscore=59.6092
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4
b4−H2O
y4
b5
y5
y6
b6
y7
b7
y8
y8−H2O
b9−H2O
b9
y9−H2O
y9
b10
y10
b11
y11
y12

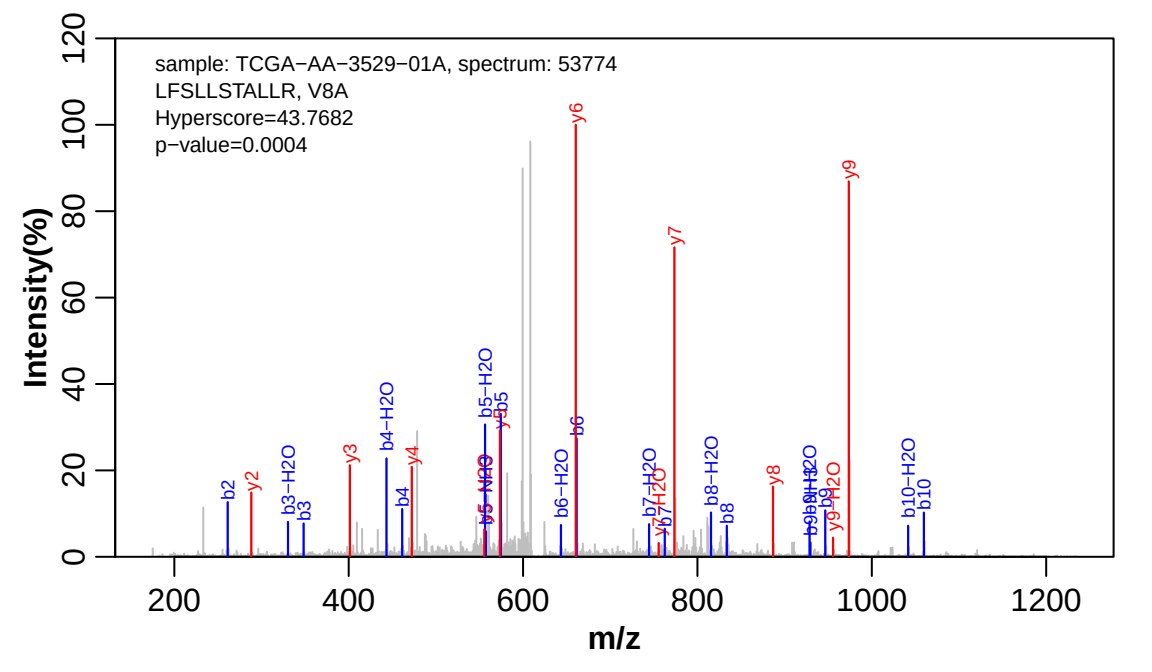

sample: TCGA−AA−3529−01A, spectrum: 19562
KFSLDALLTNVLPFEK, I11V
Hyperscore=33.5148
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b11++
y4
y5
b12++
b12++−H2O
b12++−NH3
y6
b7
b8
y8
b10
b8++

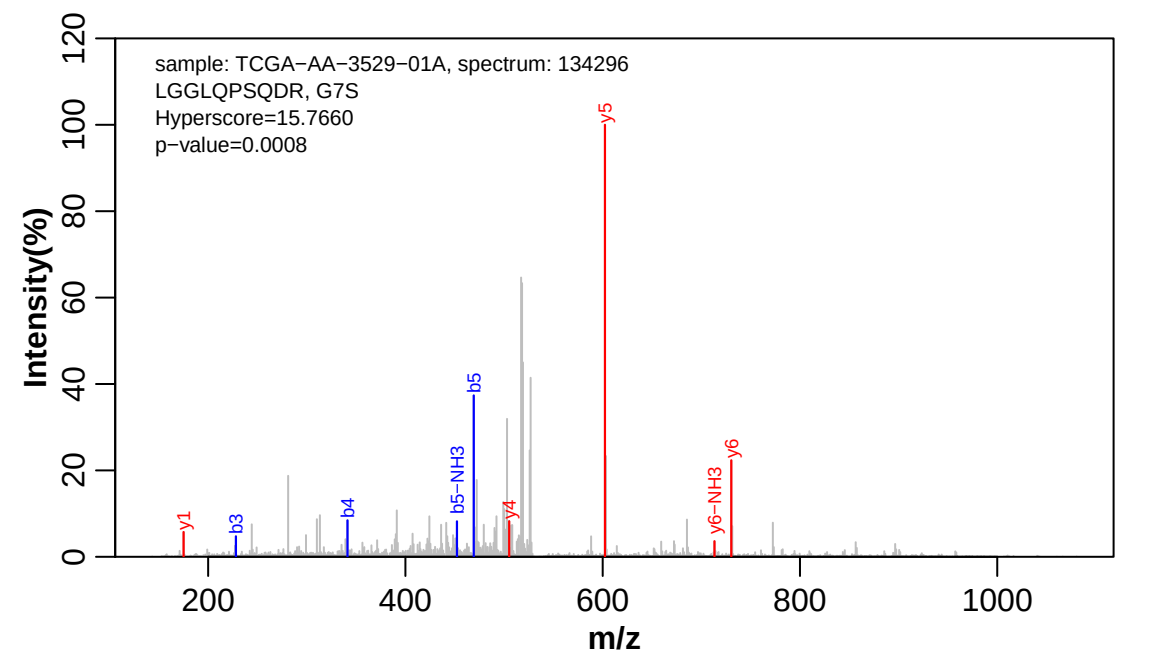

sample: TCGA−AA−3529−01A, spectrum: 29796
LALLLMASQEPQR, T2A
Hyperscore=44.7083
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3−NH3
b4
y3
y4
b5
b6
b7
y6
y7
y8
b9
b10
b12
b9−H2O

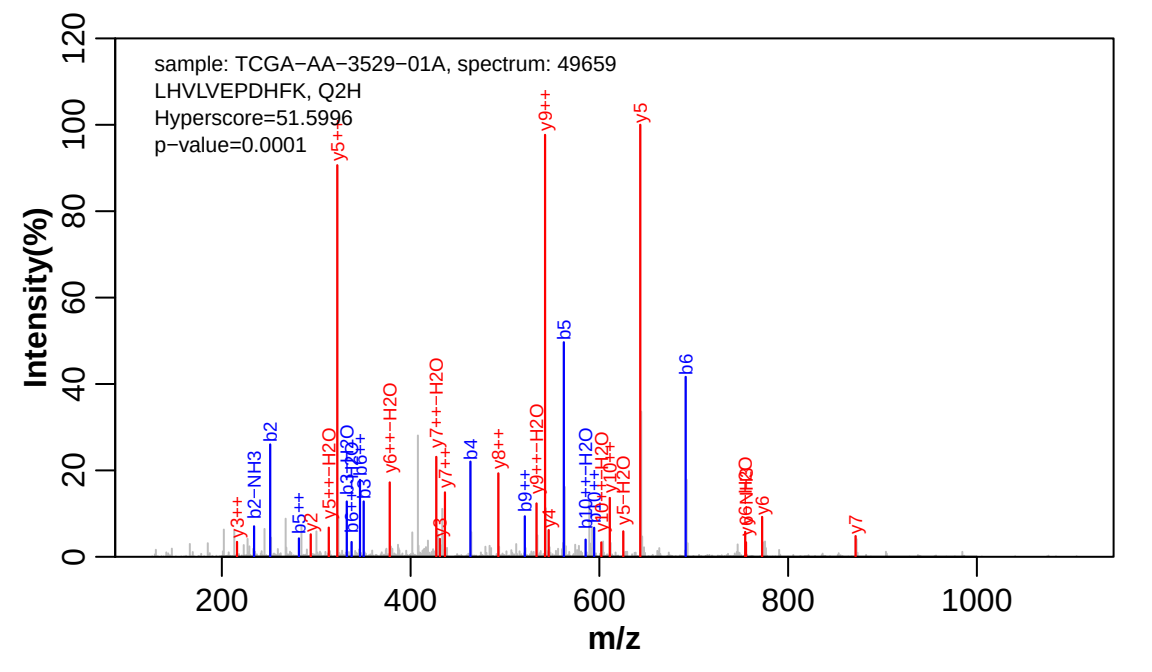

sample: TCGA−AA−3529−01A, spectrum: 145571
LCNNPAPQFGGK, T6A
Hyperscore=24.2418
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y8
y10
y4
y5
y7
y9
b2
b3
b4
b4−NH3
b5
b6
b8
b8−NH3
b9
b9−NH3

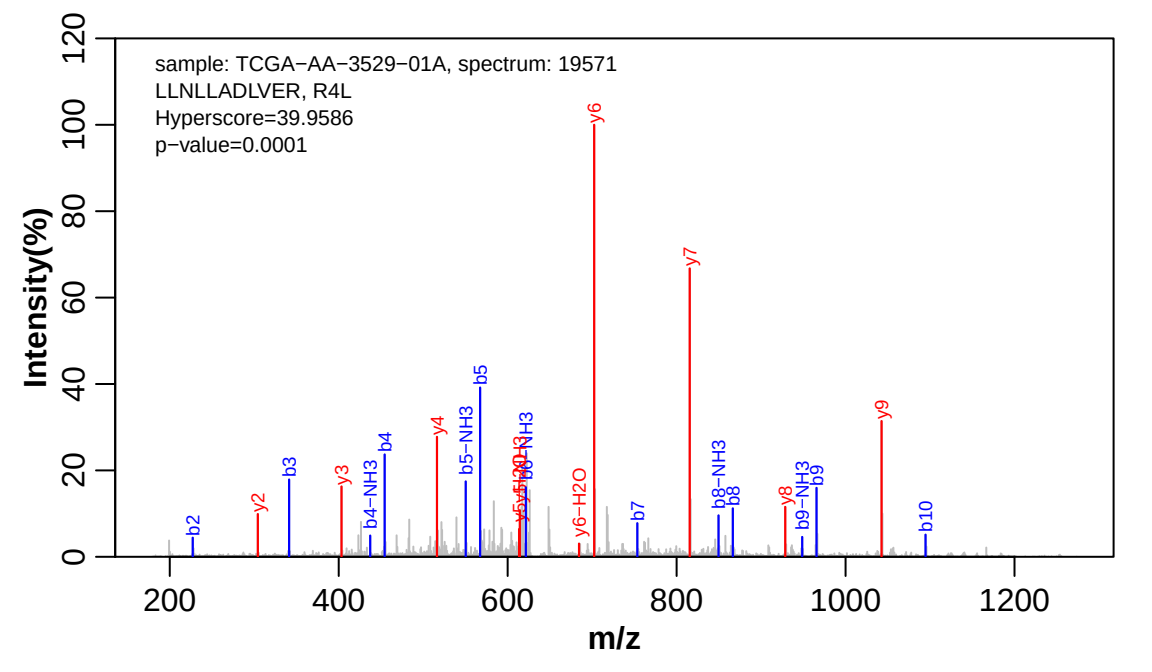

sample: TCGA−AA−3529−01A, spectrum: 158272
LDSTDFTSTLK, G8S
Hyperscore=25.0531
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−NH3
b3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
b9
y9−H2O
y9
b10−H2O
b10
y10

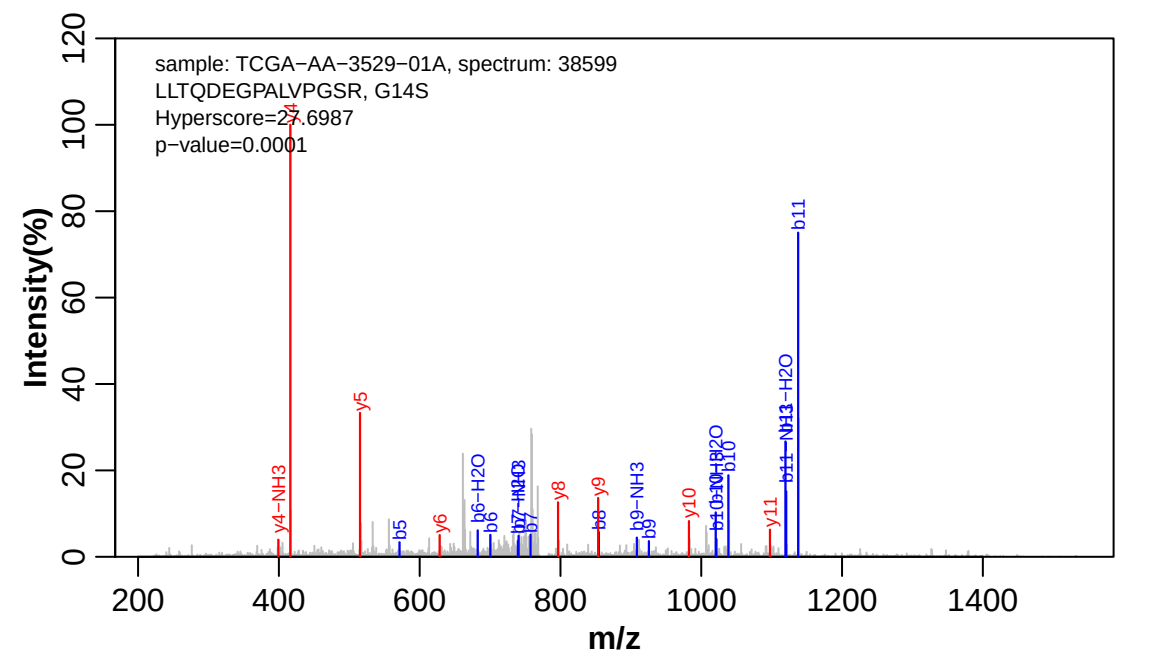

sample: TCGA−AA−3529−01A, spectrum: 41138
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=92.0612
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b14++
b13++
y7
y6
b11++
b12++
y5
b10++
y4
b10
b11
b12
b7
b7++
b17++
b9
b5
b15++-H2O
y13++
y6-NH3
y7-NH3
y16++
y10-H2O
y10
b8
b8-H2O
b15++
y2
y3
y7++
b9++

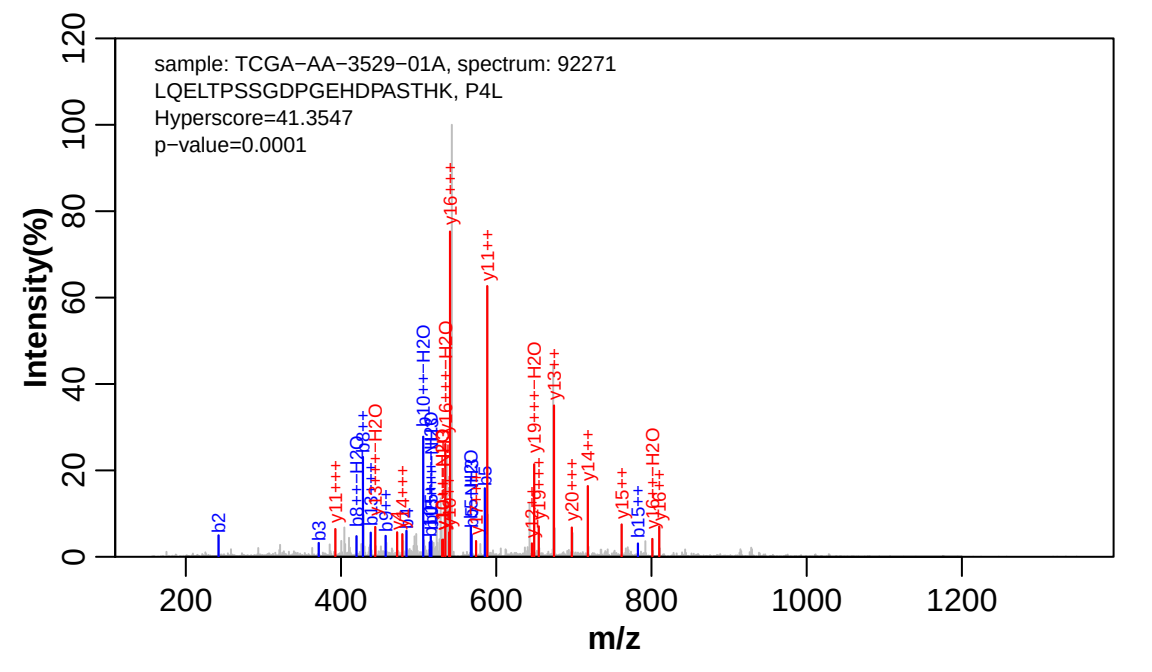

sample: TCGA−AA−3529−01A, spectrum: 53774
LFSLLSTALLR, V8A
Hyperscore=43.7682
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5−NH3
y5
b6
b6−H2O
y6
b7−H2O
y6−H2O
y7
b8−H2O
b8
y8
b9−H2O
y9
b10−H2O
b10

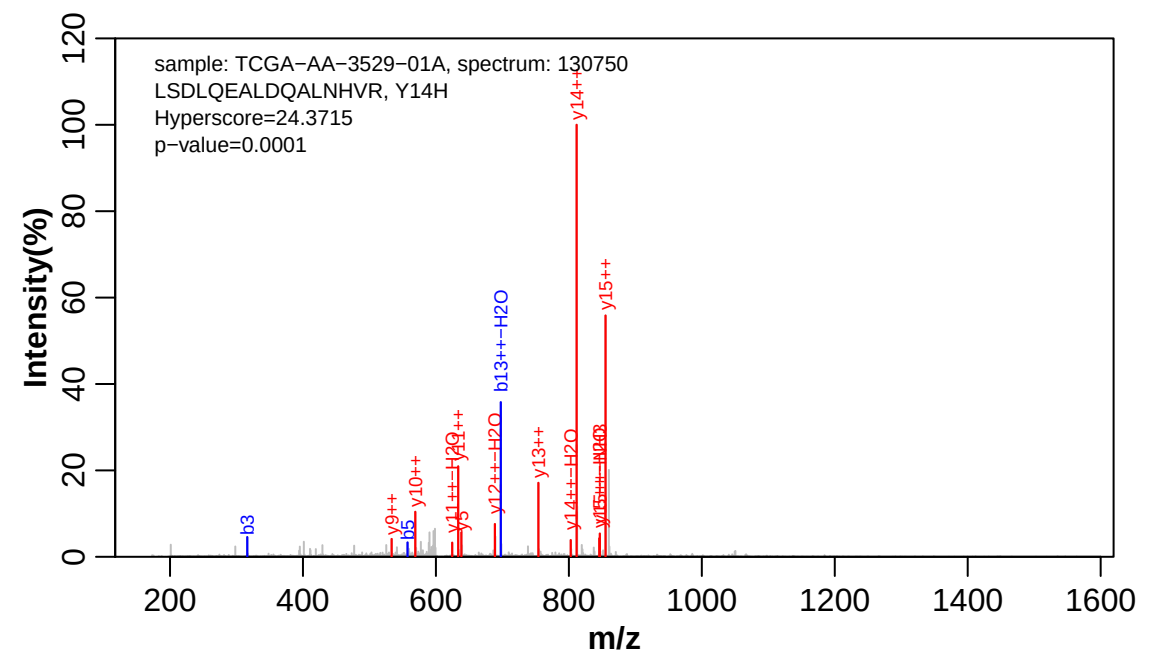

sample: TCGA−AA−3529−01A, spectrum: 134296
LGGLQPSQDR, G7S
Hyperscore=15.7660
p−value=0.0008
Intensity(%)
m/z
y1
b3
b4
b5−NH3
b5
y4
y5
y6−NH3
y6

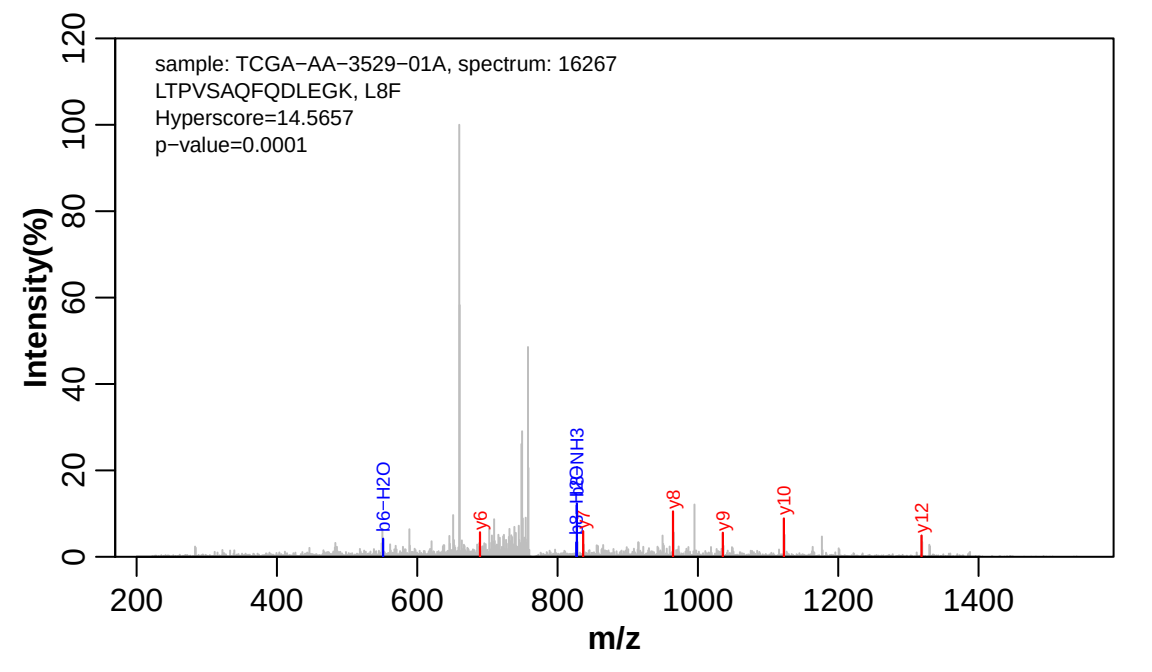

sample: TCGA−AA−3529−01A, spectrum: 49659
LHVLVEPDHFK, Q2H
Hyperscore=51.5996
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y9++
y5
y5++
b5
b6
b2
b2−NH3
y3++
b5++
y2
y5++−H2O
y6++−H2O
y7++−H2O
y9++−H2O
b4
y8++
b9++
y4
b10++−H2O
y5−H2O
y6
y7

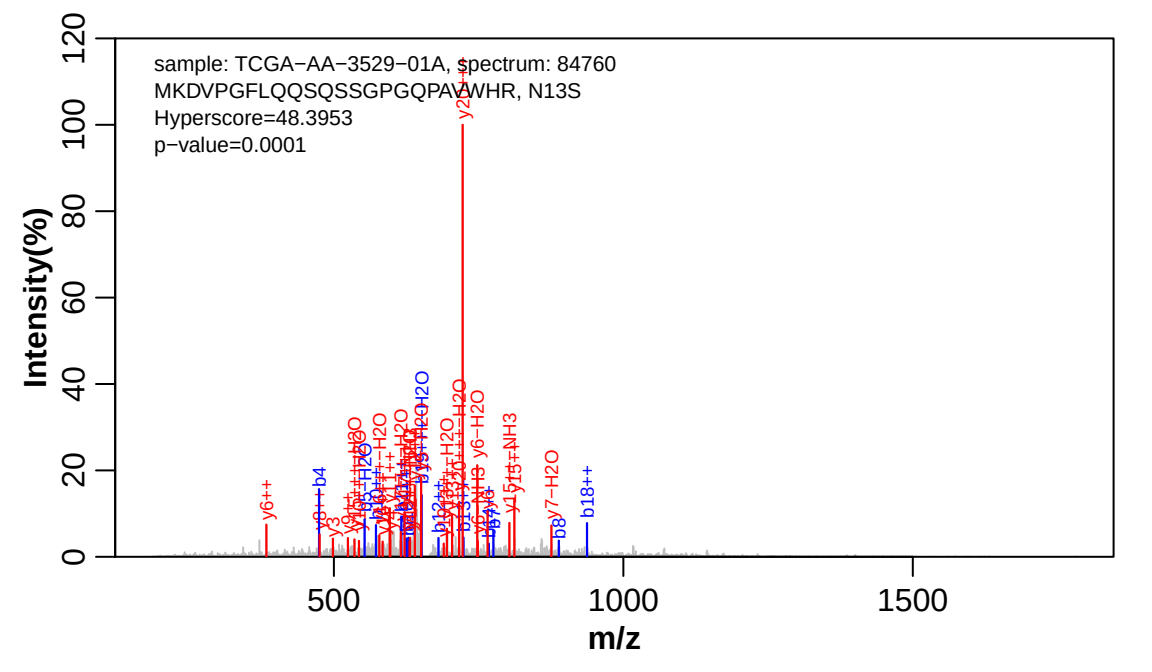

sample: TCGA−AA−3529−01A, spectrum: 19571
LLNLLADLVER, R4L
Hyperscore=39.9586
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y6−H2O
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

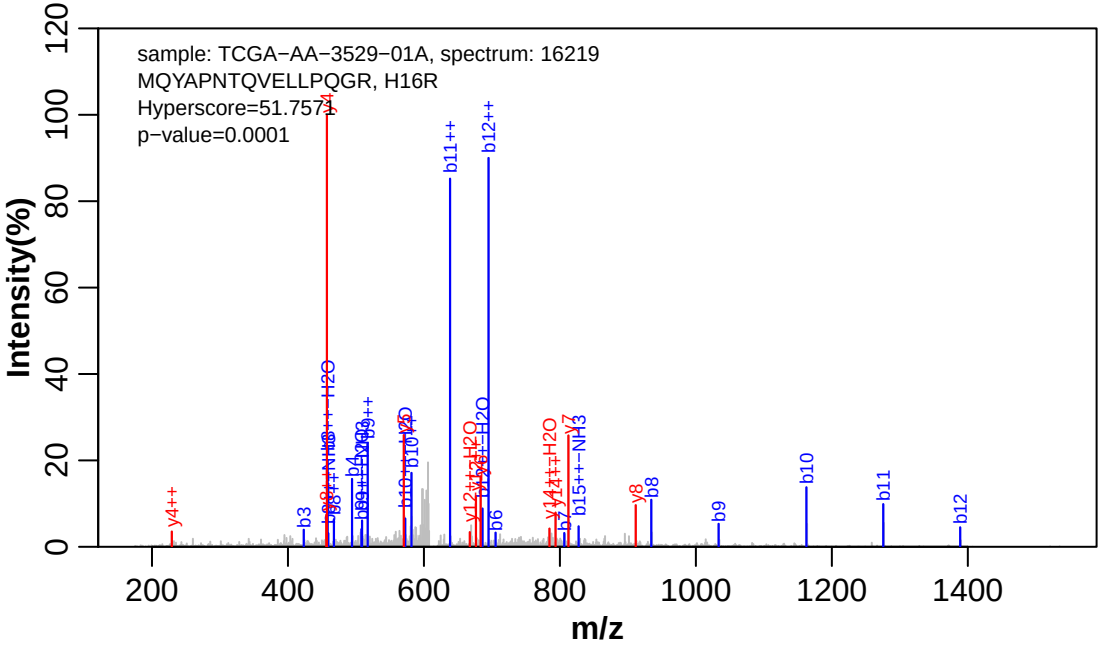

sample: TCGA−AA−3529−01A, spectrum: 38599
LLTQDEGPALVPGSR, G14S
Hyperscore=27.6987
p−value=0.0001
Intensity(%)
m/z
y4
y4−NH3
y5
b5
y6
b6−H2O
b6
y8
b8−y9
b9−NH3
b9
y10
b10−H2O
b10
y11
b11−H2O
b11

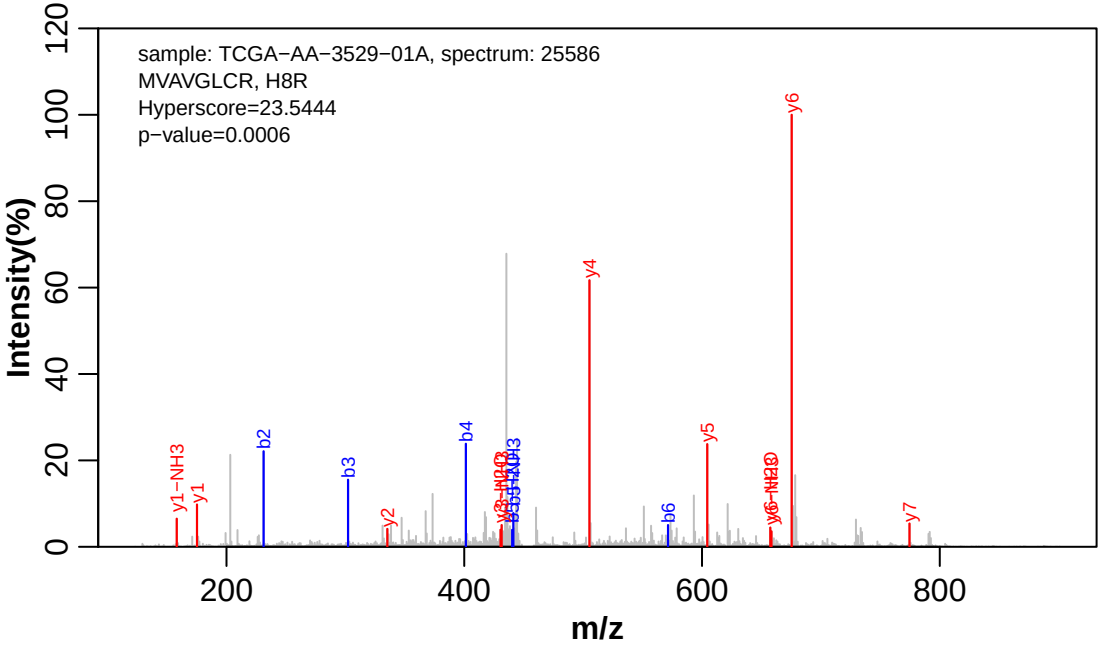

sample: TCGA−AA−3529−01A, spectrum: 92271
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=41.3547
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y11+++
b8++−H2O
b13+++−H2O
b9++
b4+++
y4+++
b10++−H2O
y16+++
y11++
y19+++−H2O
y13++
y14++
y20+++
y15++
b15++
y16++−H2O

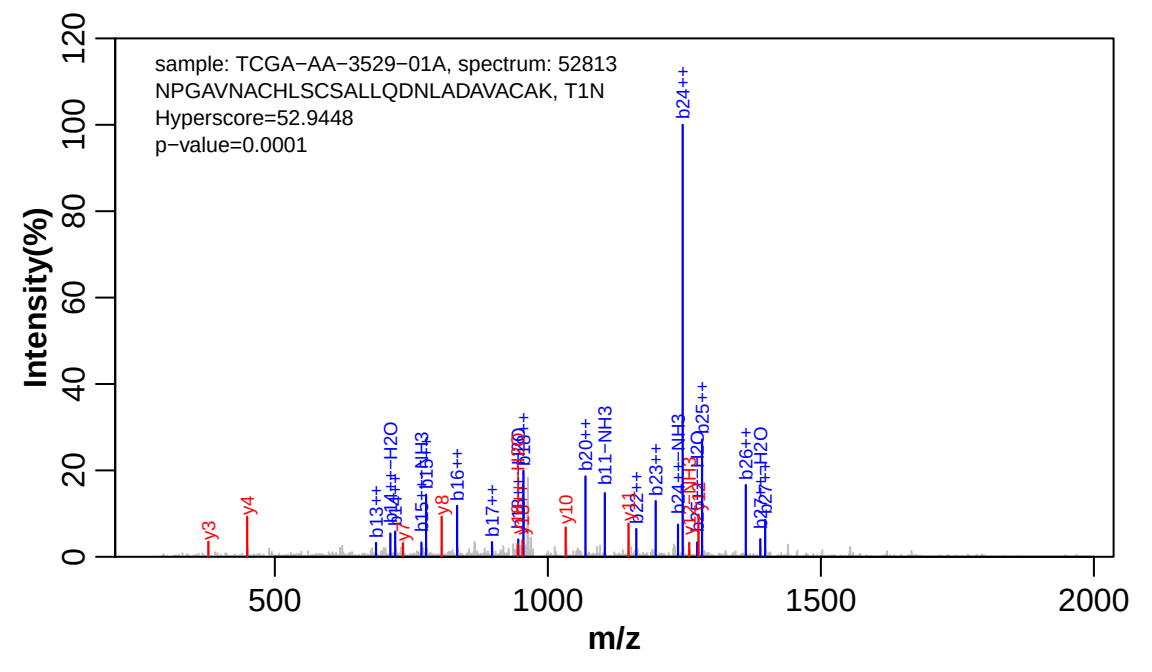

sample: TCGA−AA−3529−01A, spectrum: 130750
LSDLQEALDQALNHVR, Y14H
Hyperscore=24.3715
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y9++
b5
y10++
y11++−H2O
y11++
y12++−H2O
b13++−H2O
y13++
y14++−H2O
y14++
y15++

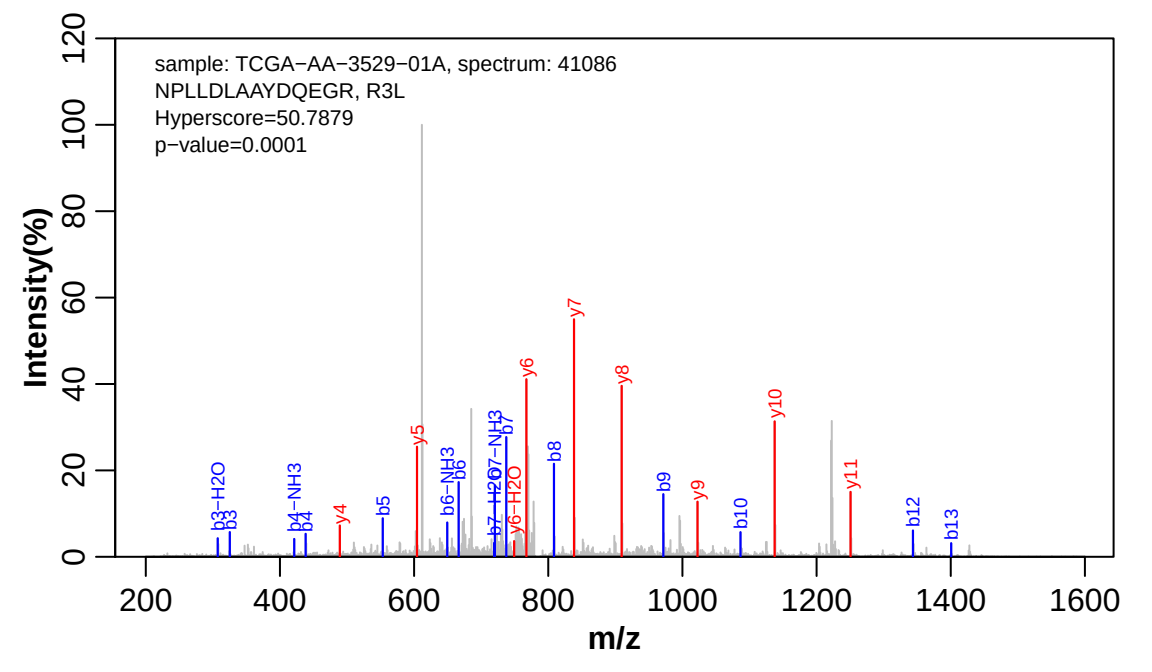

sample: TCGA−AA−3529−01A, spectrum: 16267
LTPVSAQFQDLEGK, L8F
Hyperscore=14.5657
p−value=0.0001
Intensity(%)
m/z
b6−H2O
y6
y8
y9
y10
y12

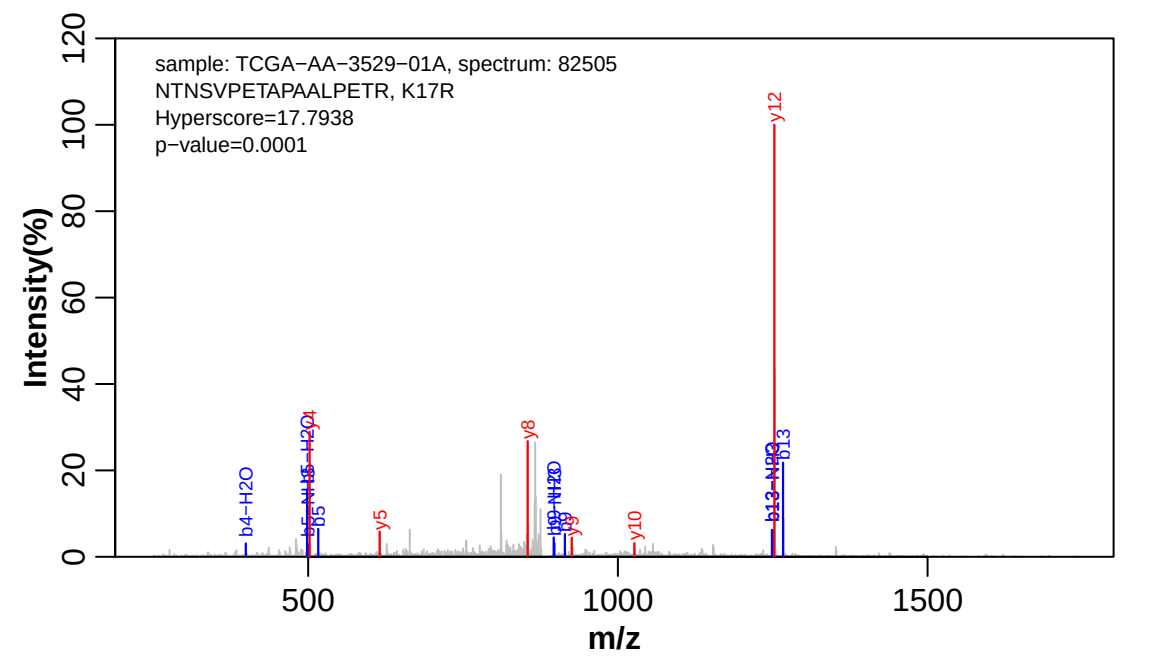

sample: TCGA−AA−3529−01A, spectrum: 84760
MKDVPGFLQQSQSSGPGQPAVAWHR, N13S
Hyperscore=48.3953
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2++
y6++
b4++
b18++
y7−H2O
y6−H2O
y15++NH3

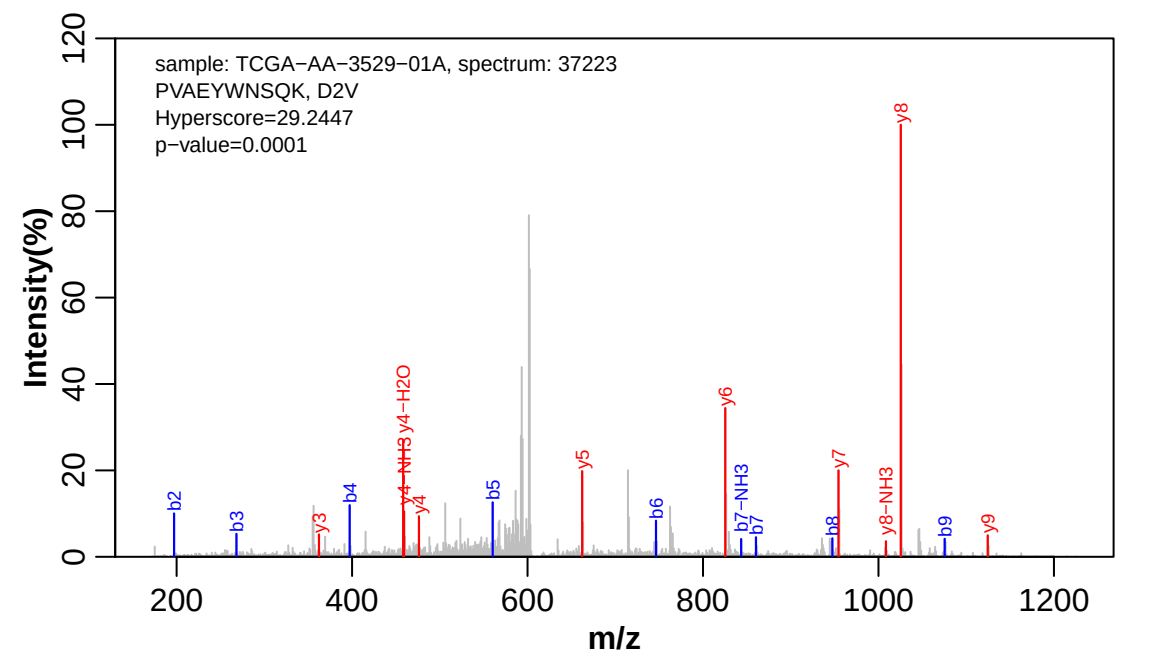

sample: TCGA−AA−3529−01A, spectrum: 16219
MQYAPNTQVELLPQGR, H16R
Hyperscore=51.7573
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4++
b3
y4
b11++
b12++
b10
b11
b12
b8
b9
y8
y7
b6
b15++−NH3

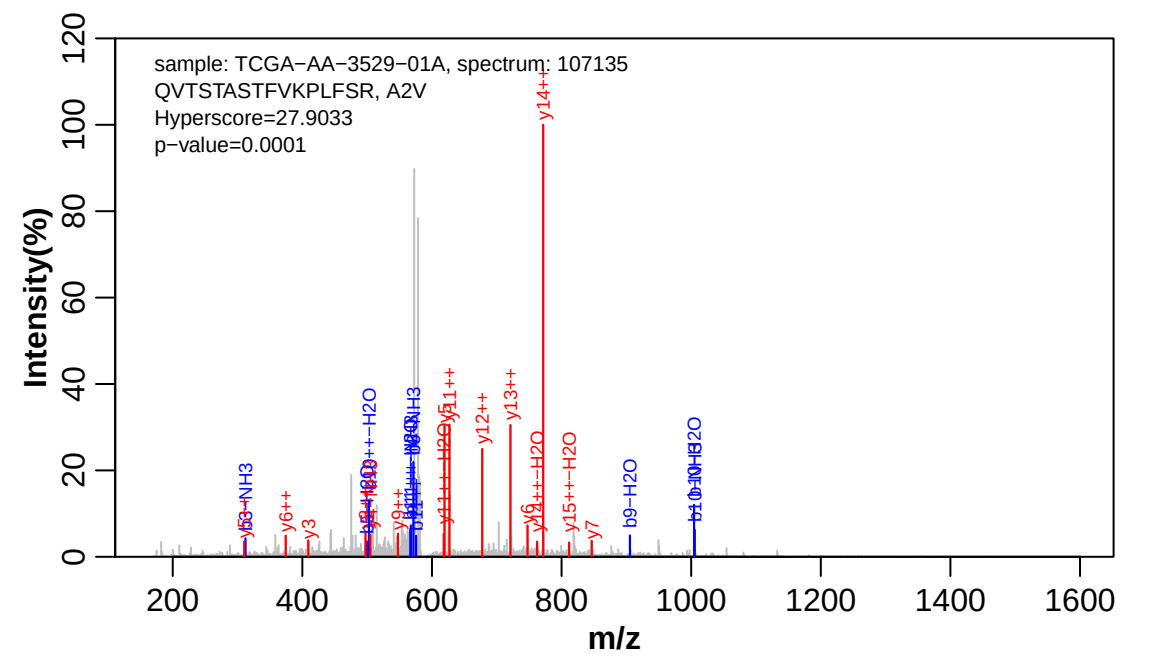

sample: TCGA−AA−3529−01A, spectrum: 25586
MVAVGLCR, H8R
Hyperscore=23.5444
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1−NH3
y1
b2
b3
y2
b4
y4
b6
y5
y6
y7

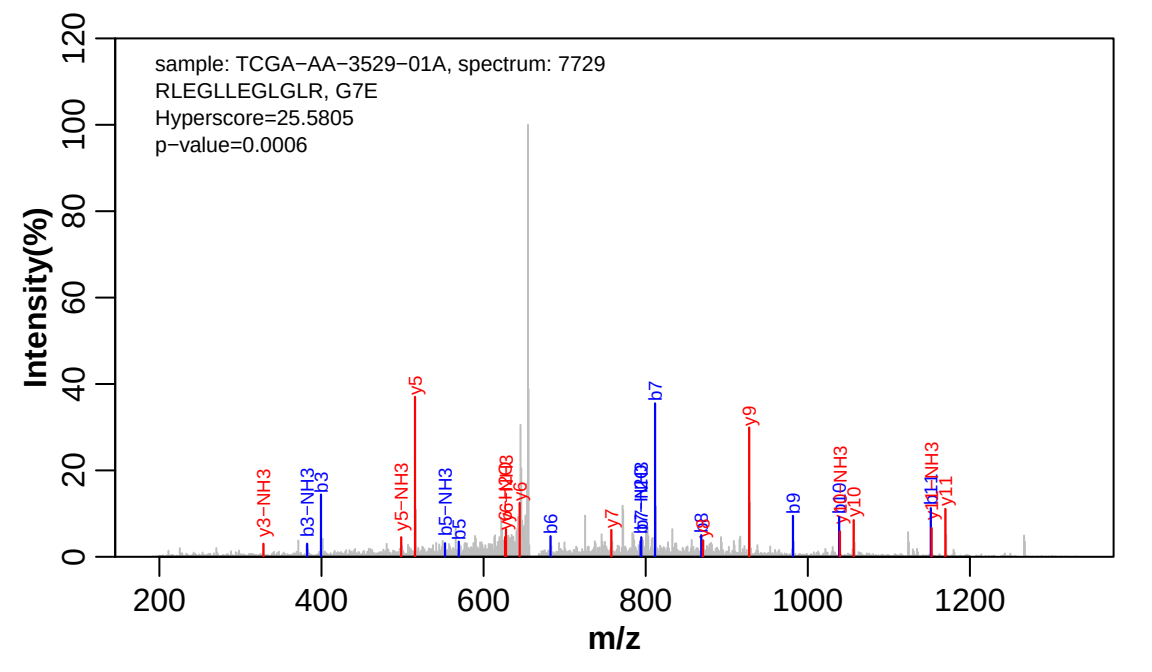

sample: TCGA−AA−3529−01A, spectrum: 52813
NPGAVNACHLSCSALLQDNLADAVACAK, T1N
Hyperscore=52.9448
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
b13++
b14++−H2O
y7
b15++−NH3
b15++
y8
b16++
b17++
y10
b20++
b11−NH3
y11++
b22++
b23++
b24++−NH3
b24++
b25++
b26++
b27++−H2O

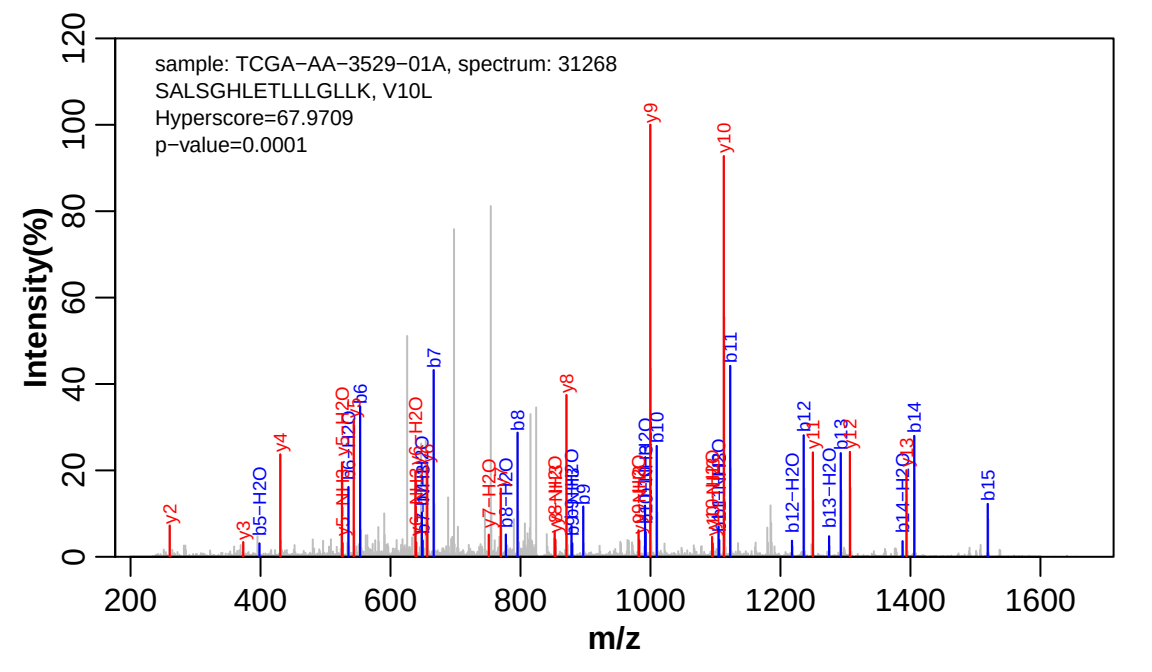

sample: TCGA−AA−3529−01A, spectrum: 41086
NPLLDLAAYDQEGR, R3L
Hyperscore=50.7879
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
b4−NH3
b4
y4
b5
y5
b6−NH3
b6
b7−H2O
b7−NH3
b7
y6−H2O
y6
y7
b8
y8
b9
y9
b10
y10
y11
b12
b13

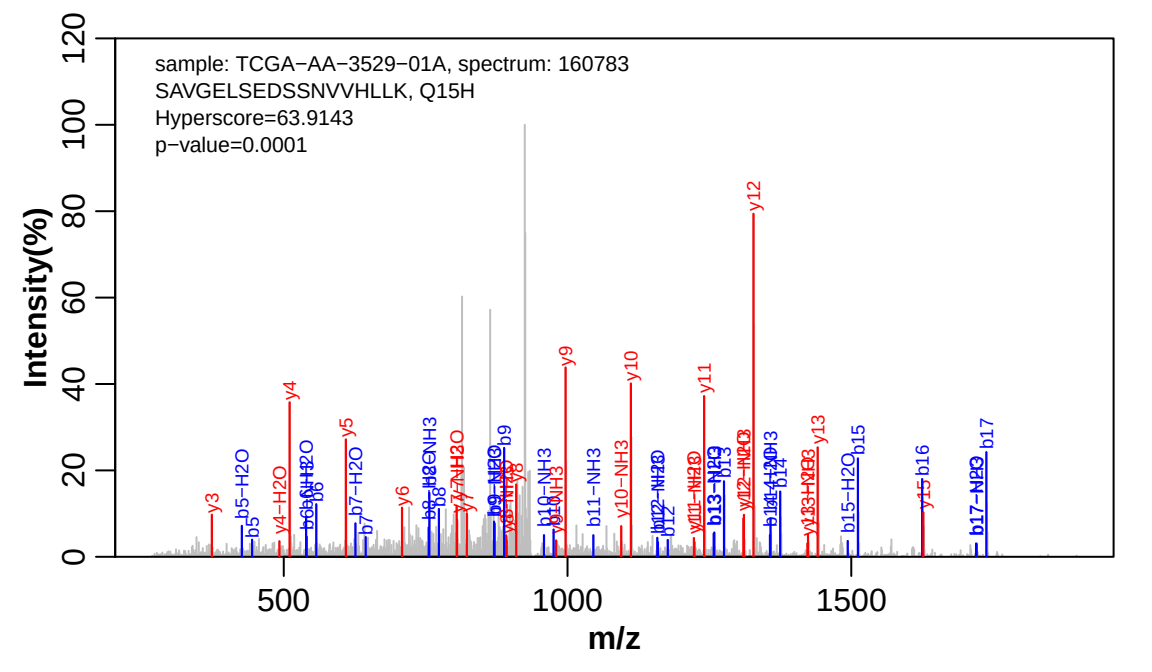

sample: TCGA−AA−3529−01A, spectrum: 82505
NTNSVPETAPAALPETR, K17R
Hyperscore=17.7938
p−value=0.0001
Intensity(%)
m/z
y12
y8
y10
y5
b13
b4−H2O
b5
0
20
40
60
80
100
120
500
1000
1500

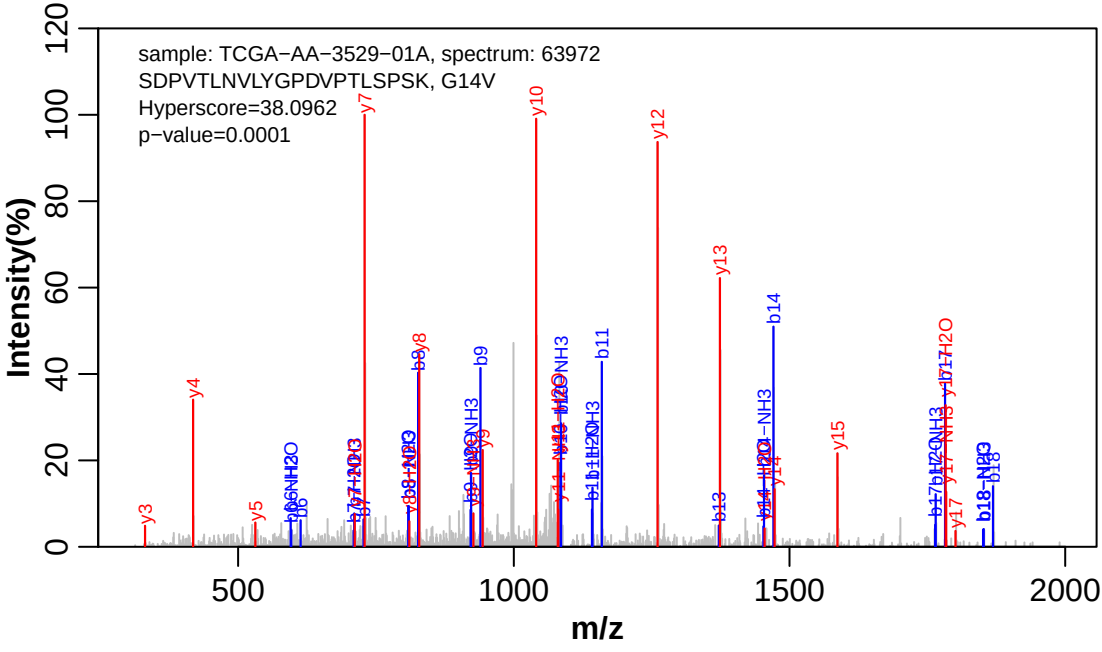

sample: TCGA−AA−3529−01A, spectrum: 37223
PVAEYWNSQK, D2V
Hyperscore=29.2447
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4
y4−NH3
y4−H2O
y4
b5
y5
b6
y6
b7−NH3
b7
b8
y7
y8−NH3
y8
b9
y9

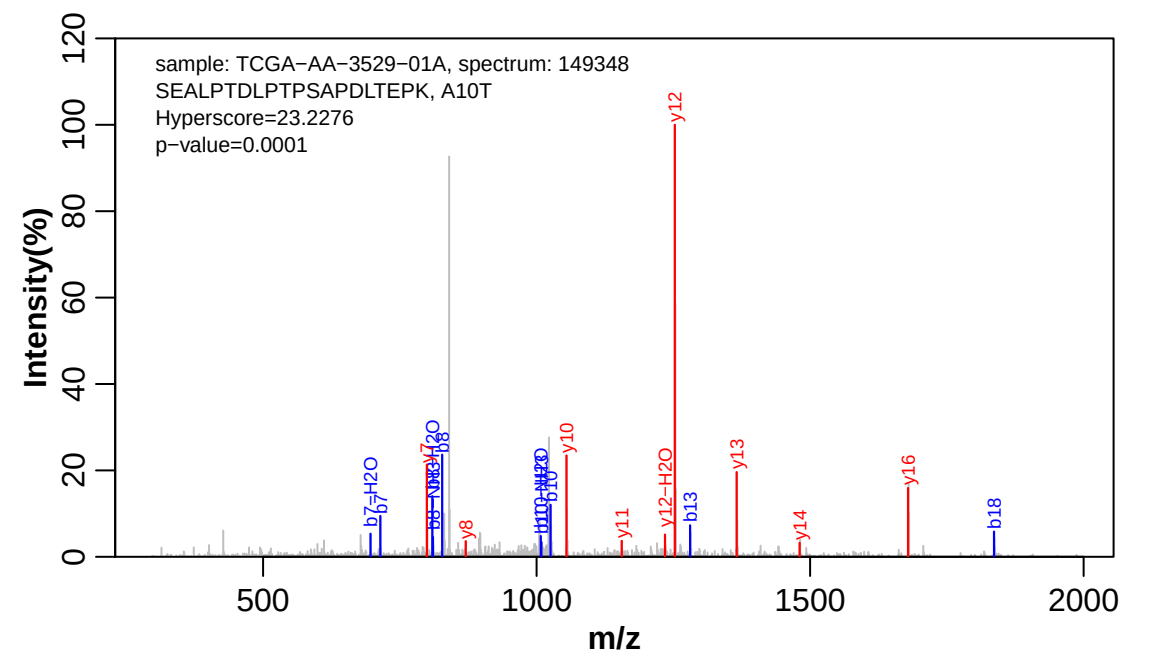

sample: TCGA−AA−3529−01A, spectrum: 107135
QVTSTASTFVKPLFSR, A2V
Hyperscore=27.9033
p−value=0.0001
Intensity(%)
m/z
y14++
y12++
y13++
y11++
y6++
y6++−H2O
y15++−H2O
y7
b9−H2O
y6
y3
y6+
y3−NH3
y9++
y8++−H2O
y8++
y11+++H2O
y11++−H2O
y11++
b10−H2O
b10−NH3
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

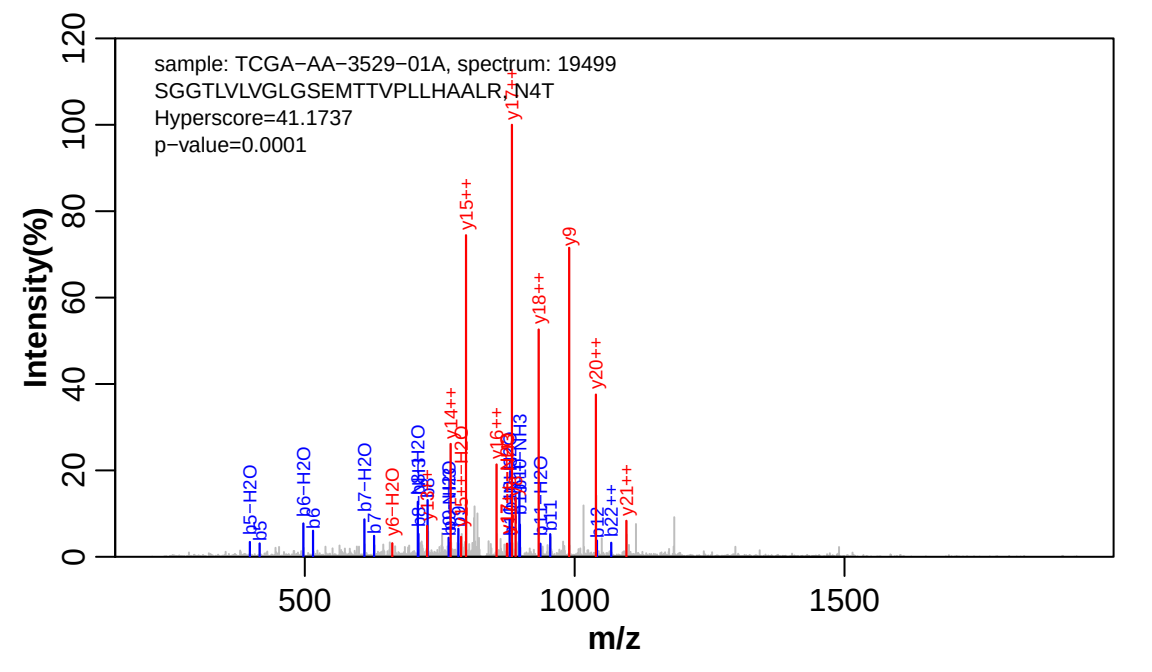

sample: TCGA−AA−3529−01A, spectrum: 7729
RLEGLLEGLGLR, G7E
Hyperscore=25.5805
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y3−NH3
b3−NH3
b3
y5
y5−NH3
b5−NH3
b5
y6
b6
y7
b7
y9
b9
y10
y11
y11−NH3

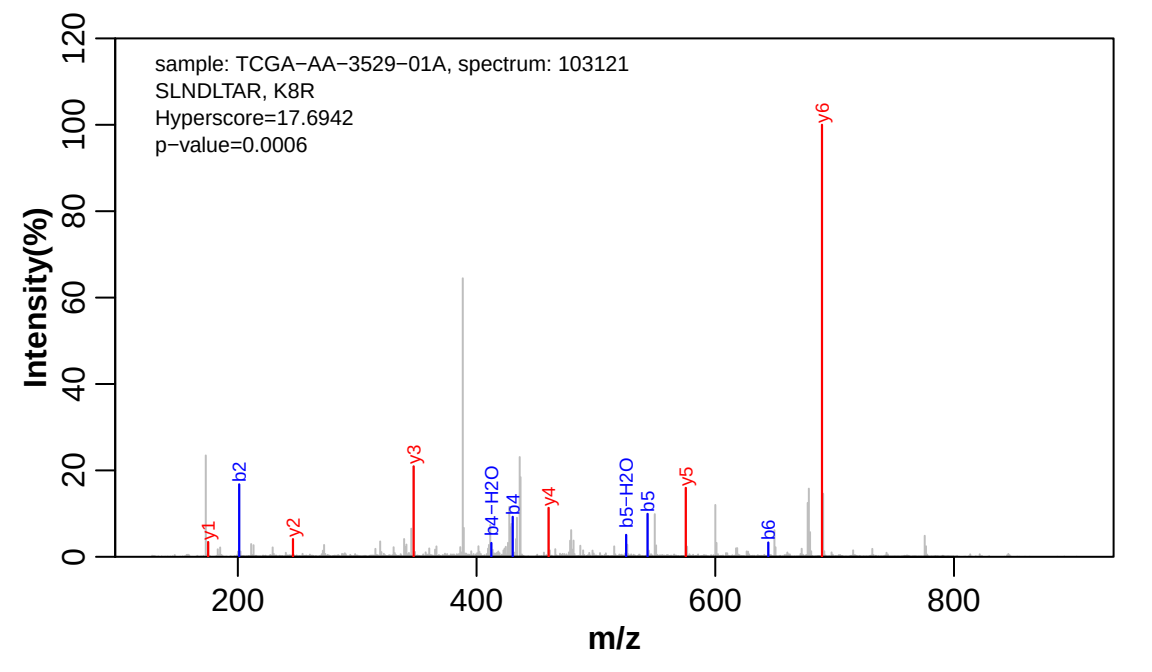

sample: TCGA−AA−3529−01A, spectrum: 31268
SALSGHLETLLLGLLK, V10L
Hyperscore=67.9709
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b5−H2O
y4
y5−NH3
y5−H2O
b6
b7
y6−NH3
y6−H2O
y7−H2O
b8−H2O
b8
y8
b9
y9
b10
y10
b11
b12−H2O
y11
b12
b13−H2O
y12
b13
b14−H2O
y13
b14
b15

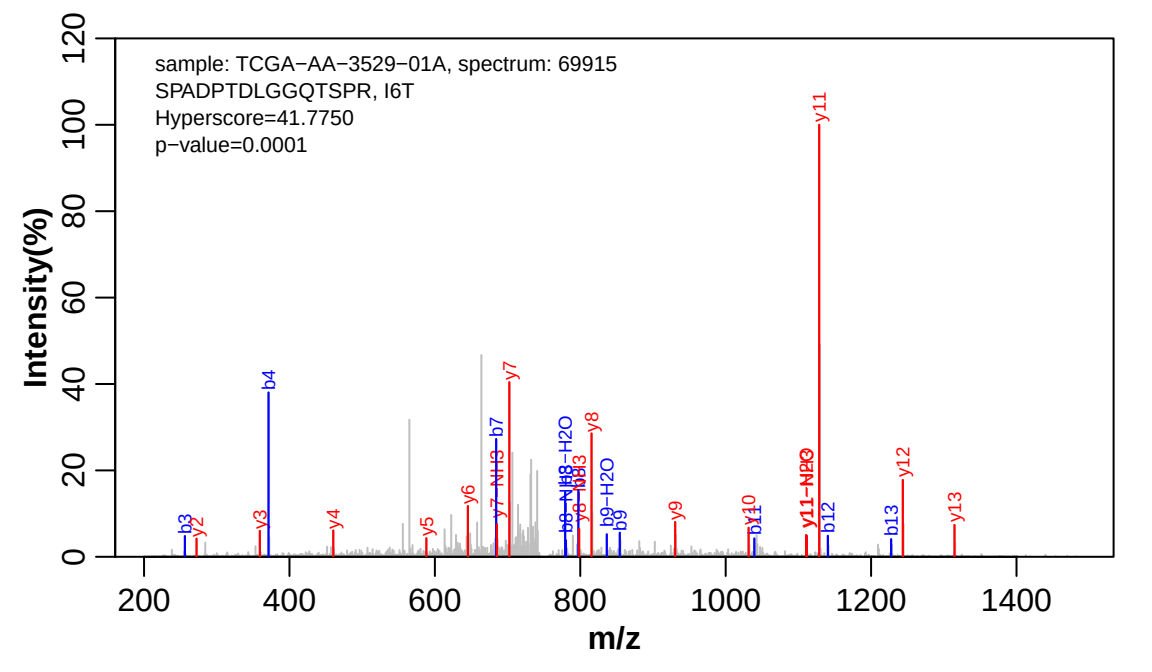

sample: TCGA−AA−3529−01A, spectrum: 160783
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=63.9143
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
b5−H2O
b5
y4
y4−H2O
b6−H2O
b6
b7−H2O
y5
b7
y6
b8−NH3
b8
y7−NH3
y7−H2O
b9
y8
b10−NH3
y9
b11−NH3
y10−NH3
y10
b12
y11
b13−NH3
b13
y12
y12−NH3
b14
b15−H2O
b15
y15
b16
b17−NH3
b17

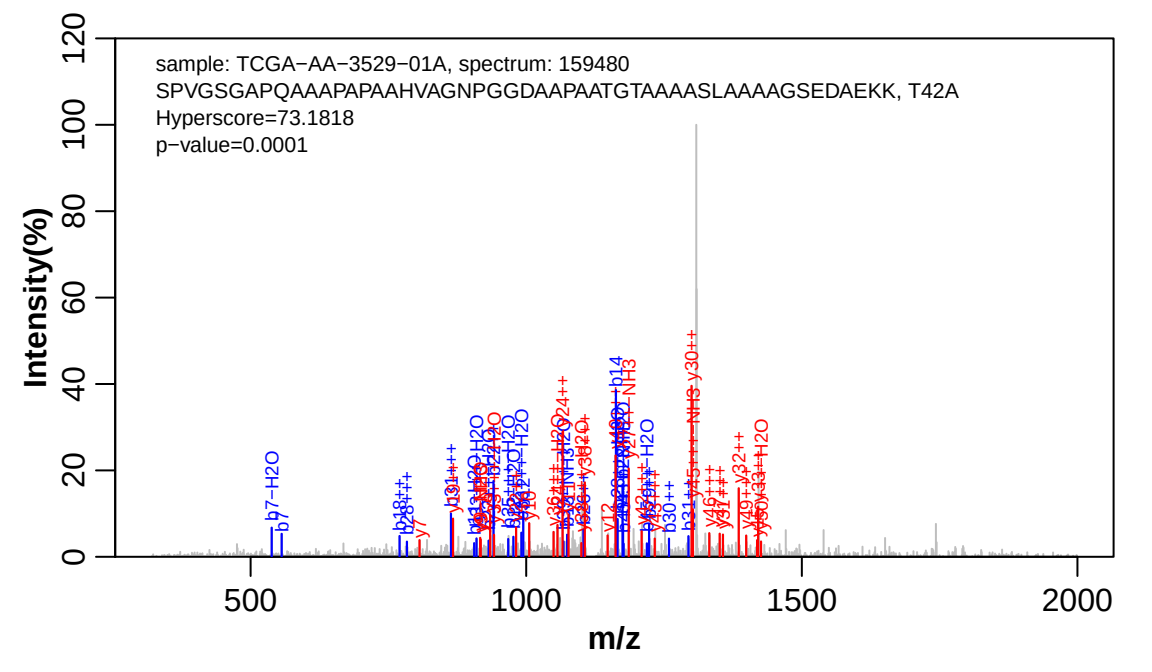

sample: TCGA−AA−3529−01A, spectrum: 63972
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=38.0962
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y5
y7
y8
y9
y10
y11
y12
y13
y14
y15
y17
b8
b9
b11
b13
b14
b18

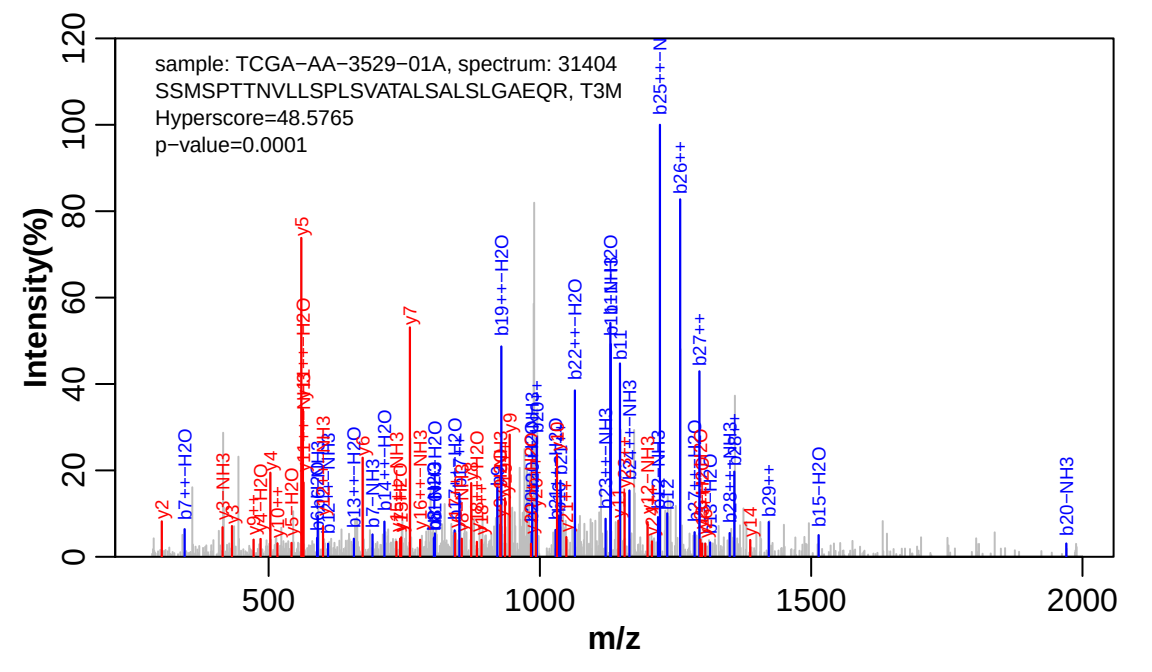

sample: TCGA−AA−3529−01A, spectrum: 149348
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=23.2276
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
y10
y13
y16
y12−H2O
b13
y14
b18
y11
y8
b7−H2O
b7

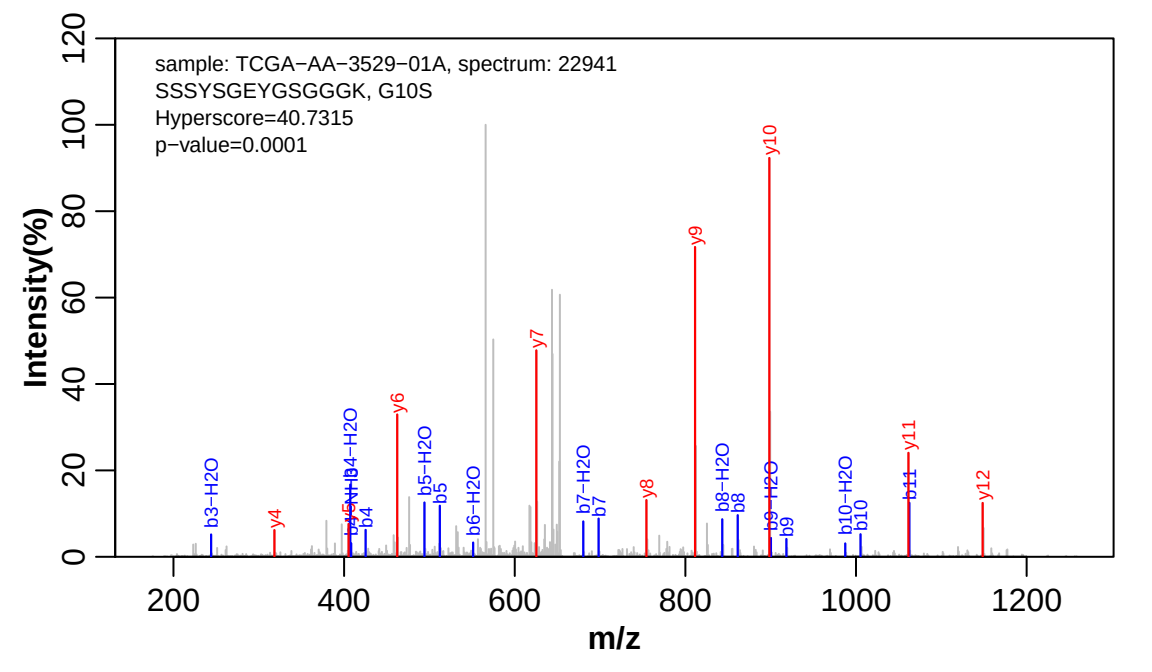

sample: TCGA−AA−3529−01A, spectrum: 19499
SGGTLVLVGLGSEMTTVPLLHAALR_N4T
Hyperscore=41.1737
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y15++
y9
y18++
y20++
y21++
y14++
y16++
b5−H2O
b6−H2O
b7−H2O
y6−H2O
y11−H2O
y11−NH3
b12
b22++

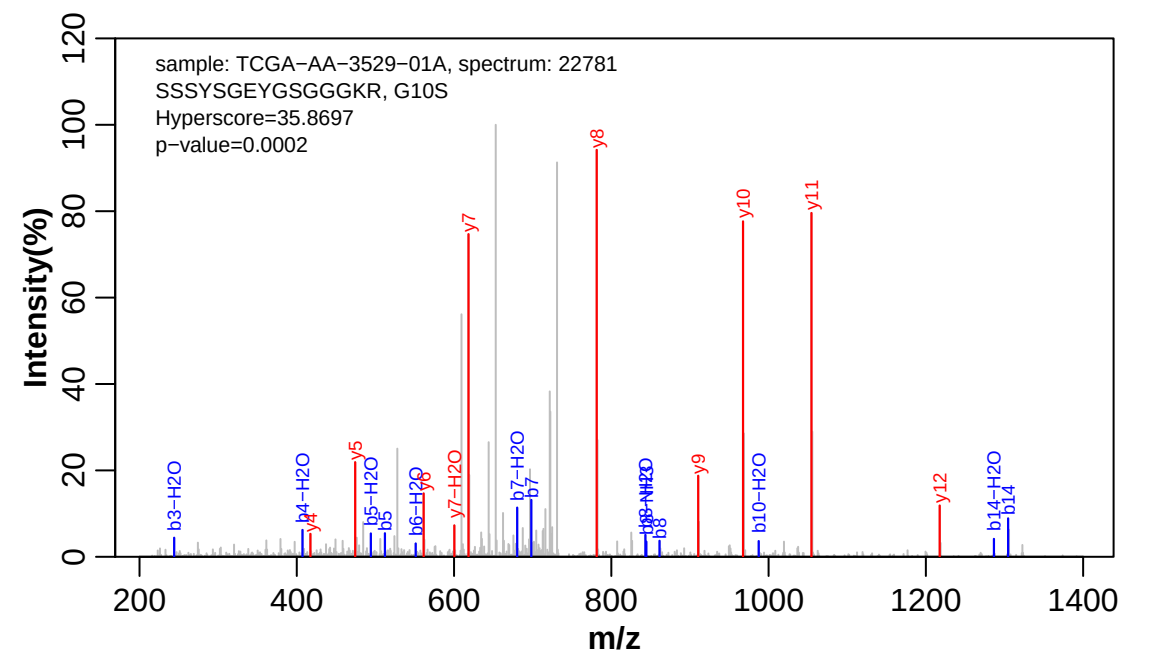

sample: TCGA−AA−3529−01A, spectrum: 103121
SLNDLTAR, K8R
Hyperscore=17.6942
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6
y6

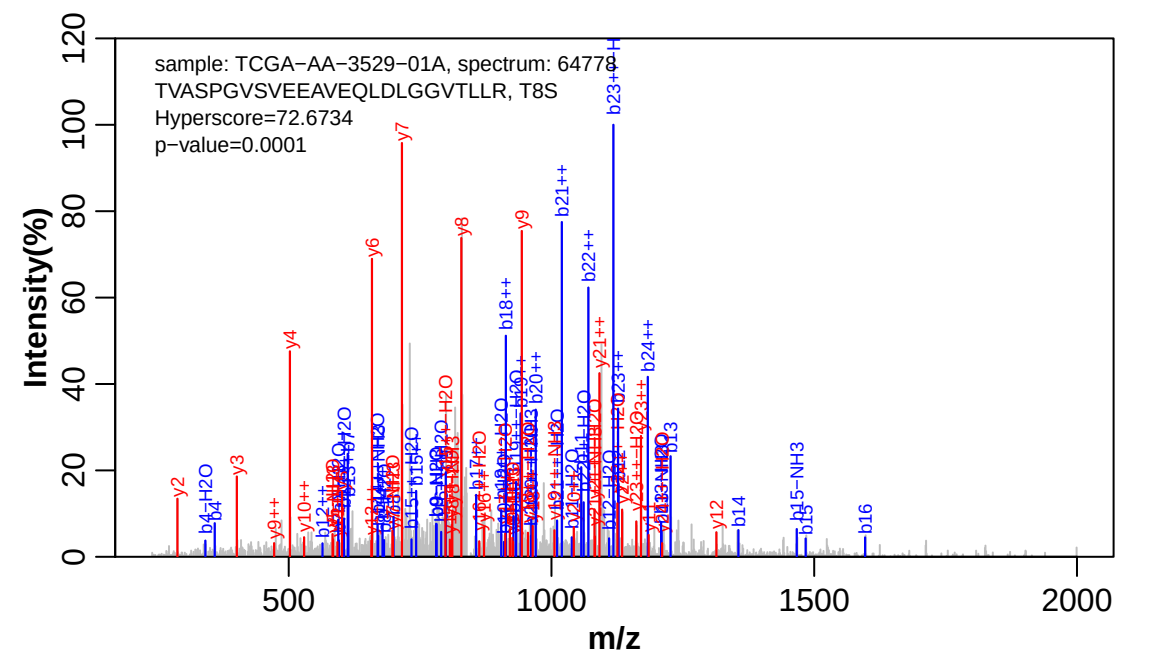

sample: TCGA−AA−3529−01A, spectrum: 69915
SPADPTDLGGQTSPR, I6T
Hyperscore=41.7750
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
y5
y6
y7−NH3
b7
y7
b8−H2O
b8−NH3
y8
b9−H2O
b9
y9
b10
y10
y11−NH3
y11−H2O
y11
b12
b13
y12
y13

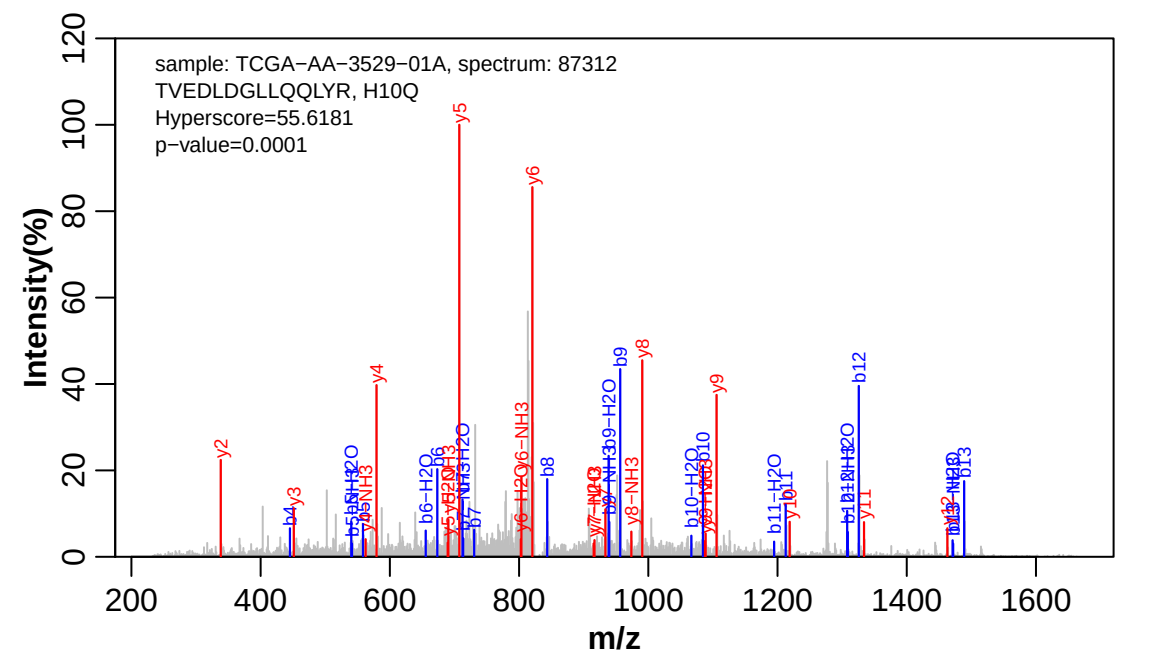

sample: TCGA−AA−3529−01A, spectrum: 159480
SPVGSGAPQAAAPAPAAHVAGNPGGDAAPAATGTAAAASLAAAAGSEDAEKK, T42A
Hyperscore=73.1818
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

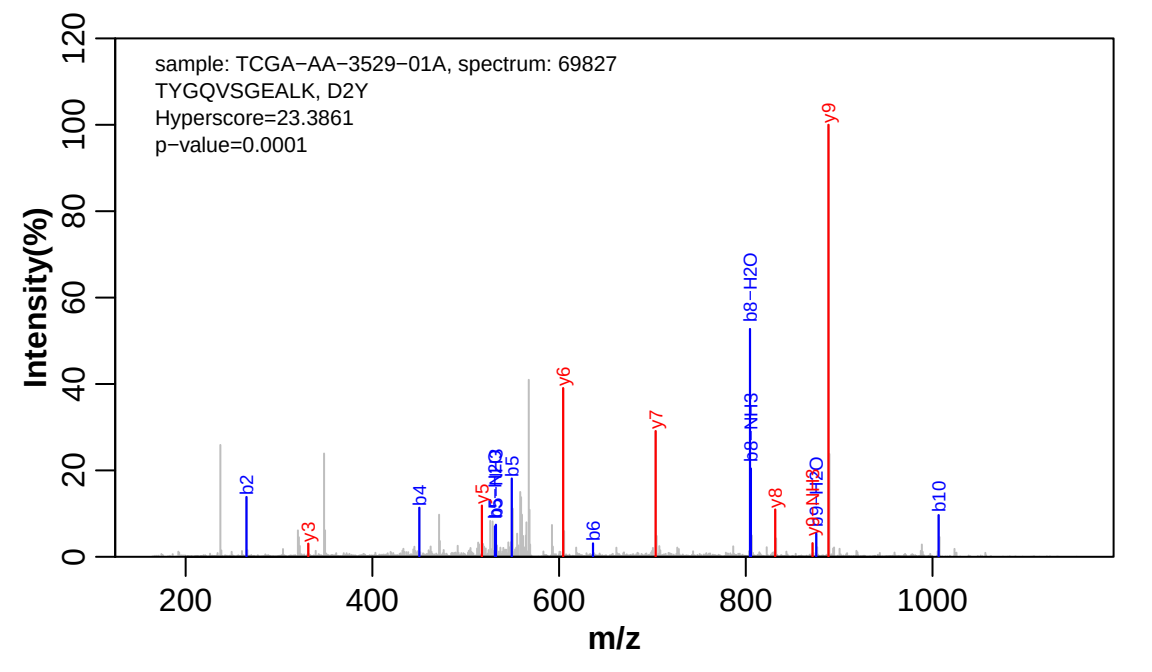

sample: TCGA−AA−3529−01A, spectrum: 31404
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=48.5765
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b7++−H2O
y3−NH3
y3
y4++
y4
y10++
y5−H2O
y5
y7
b19++−H2O
b22++−H2O
b25++−N
b26++
b27++
b15−H2O
b20−NH3
y14
b29++

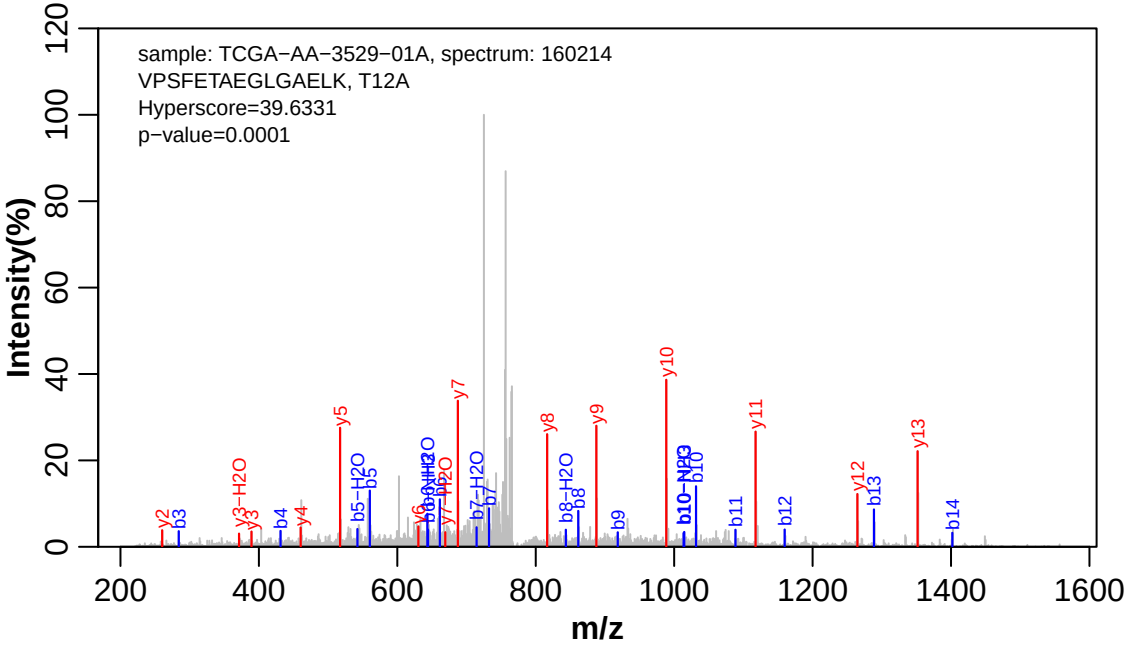

sample: TCGA−AA−3529−01A, spectrum: 22941
SSSYSGEYGSGGGK, G10S
Hyperscore=40.7315
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
b4−NH3
b4−H2O
b4
y6
b5−H2O
b5
b6−H2O
y7
b7−H2O
b7
y8
y9
b8−H2O
b8
y10
b9−H2O
b9
b10−H2O
b10
b11
y11
y12

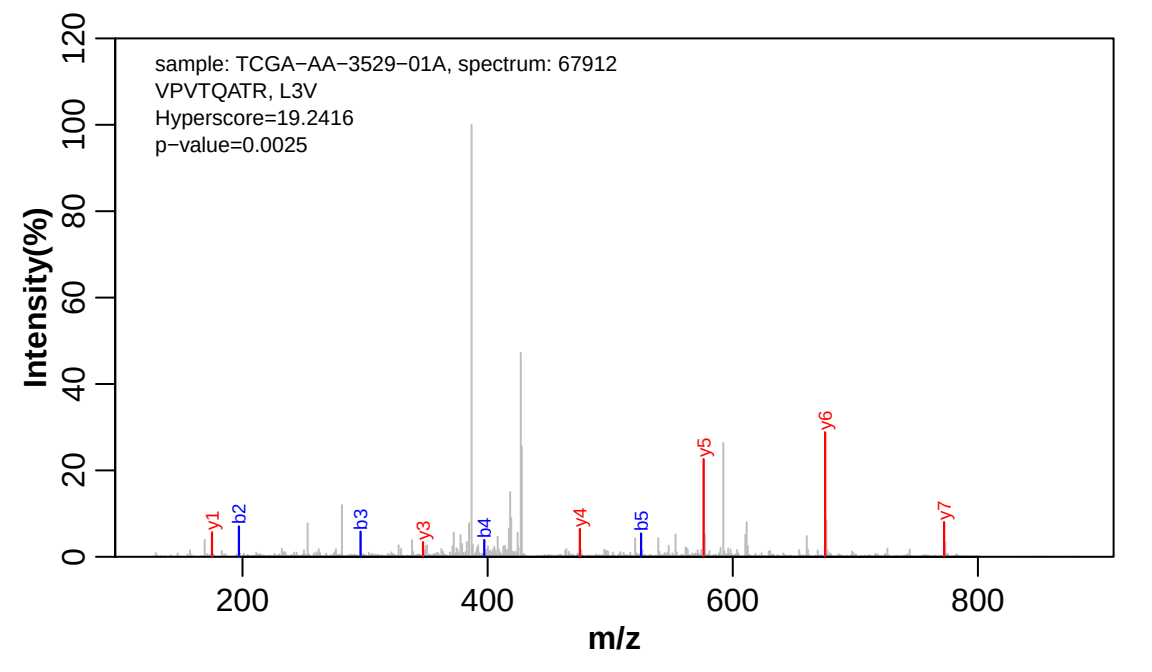

sample: TCGA−AA−3529−01A, spectrum: 22781
SSSYSGEYGSGGGKR, G10S
Hyperscore=35.8697
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
y4
b4−H2O
y5
b5−H2O
b5
b6−H2O
y6
y7−H2O
y7
b7−H2O
b7
y8
b8−NH3
b8−H2O
b8
y9
y10
b10−H2O
y11
y12
b14−H2O
b14

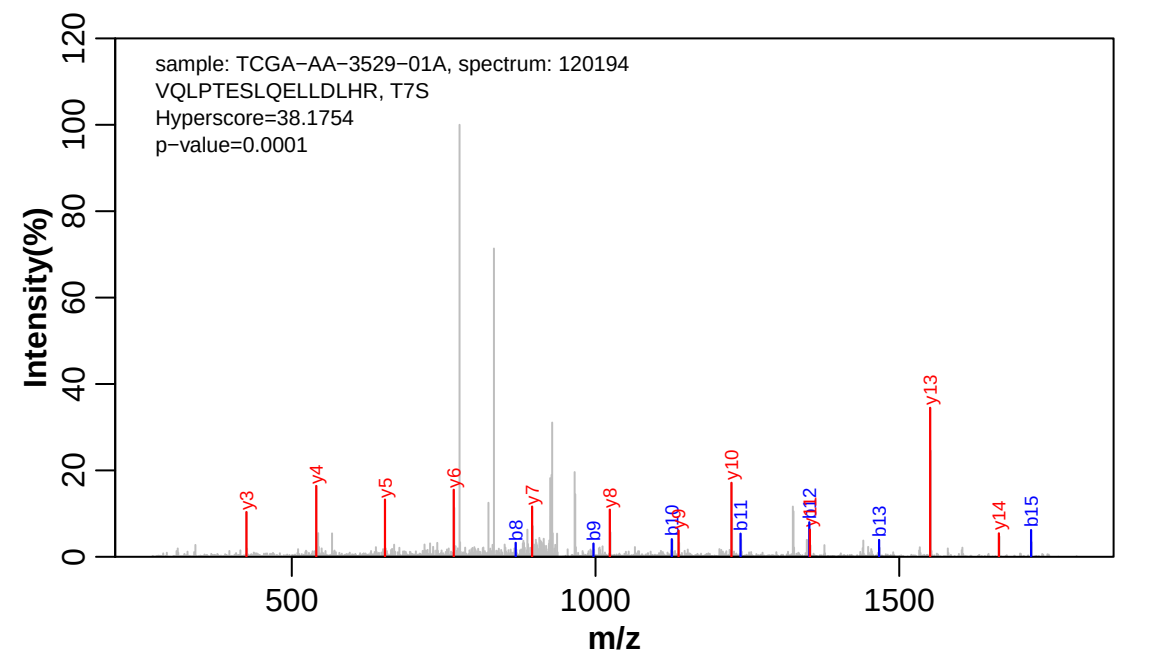

sample: TCGA−AA−3529−01A, spectrum: 64778
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=72.6734
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b4−H2O
b4
y3
y9++
y4
y10++
b12−NH3
y6
y7
y8
b17−H2O
b17
y9
b18++
b20++
b21++
b22++
y21++
b23++
b24++
b13
y12
b14
b15−NH3
b15
b16

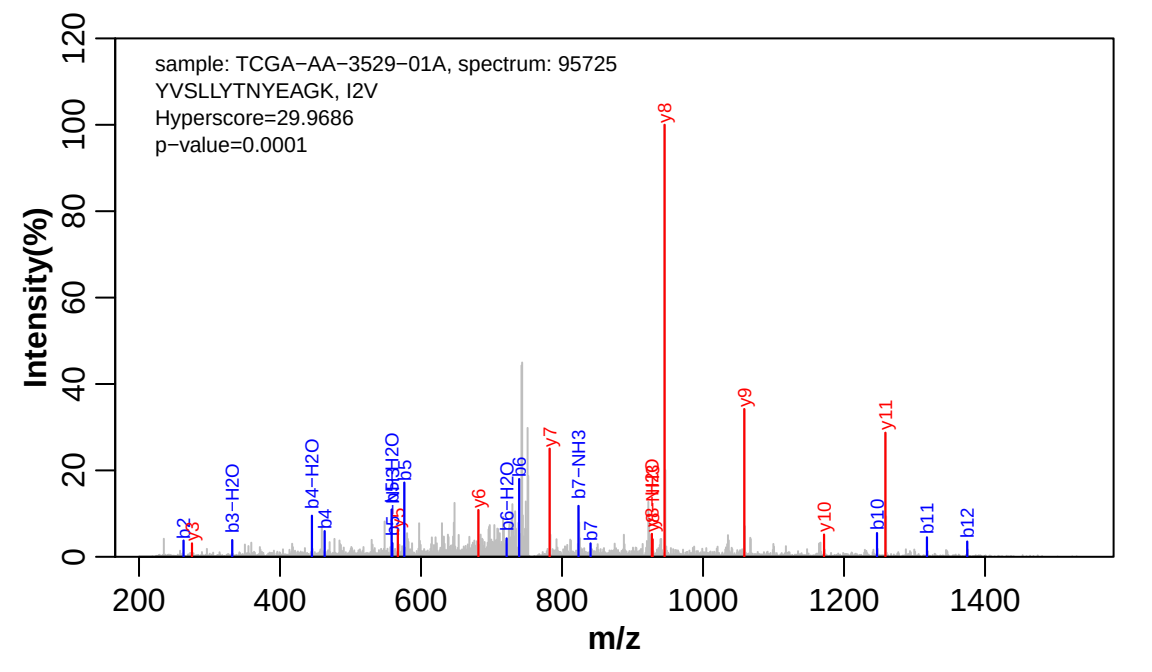

sample: TCGA−AA−3529−01A, spectrum: 87312
TVEDLDGLLQQLYR, H10Q
Hyperscore=55.6181
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y4
y2
y3
y8
y9
b9
b12
b8
b4
y11
y10
y7
b10−H2O
b11−H2O
b6−H2O
y6−NH3
y8−NH3
b9−H2O

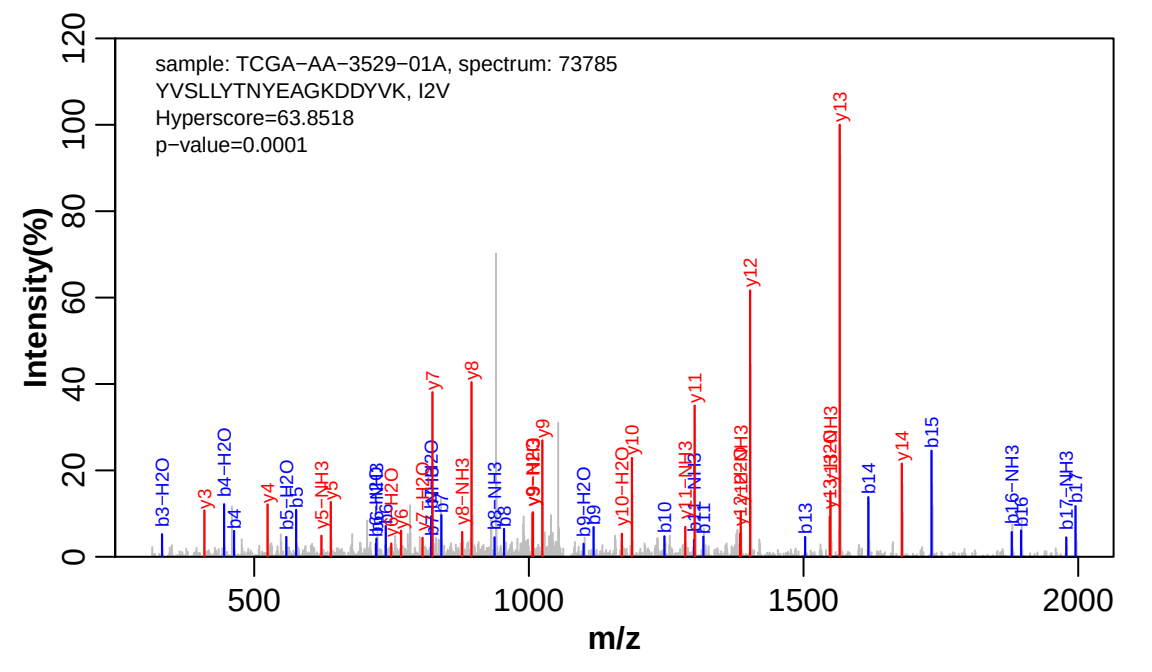

sample: TCGA−AA−3529−01A, spectrum: 69827
TYGQVSGEALK, D2Y
Hyperscore=23.3861
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y3
b4
y5
b5
y6
b6
y7
b8−H2O
y8
y9
b10

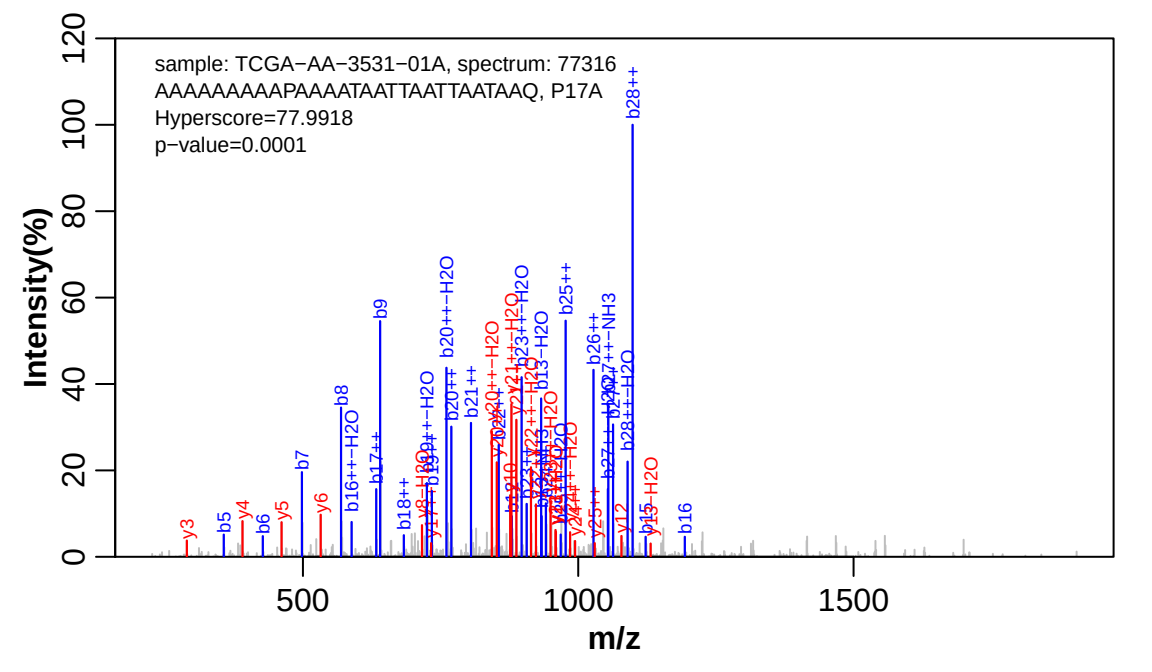

sample: TCGA−AA−3529−01A, spectrum: 160214
VPSFETAEGLGAELK, T12A
Hyperscore=39.6331
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
y3−H2O
y3
b4
y4
b5−H2O
y5
b5
y7−H2O
y7
b7−H2O
b7
y8
b8−H2O
b8
y9
b9
y10
b10−NH3
b10
b11
y11
b12
y12
b13
y13
b14

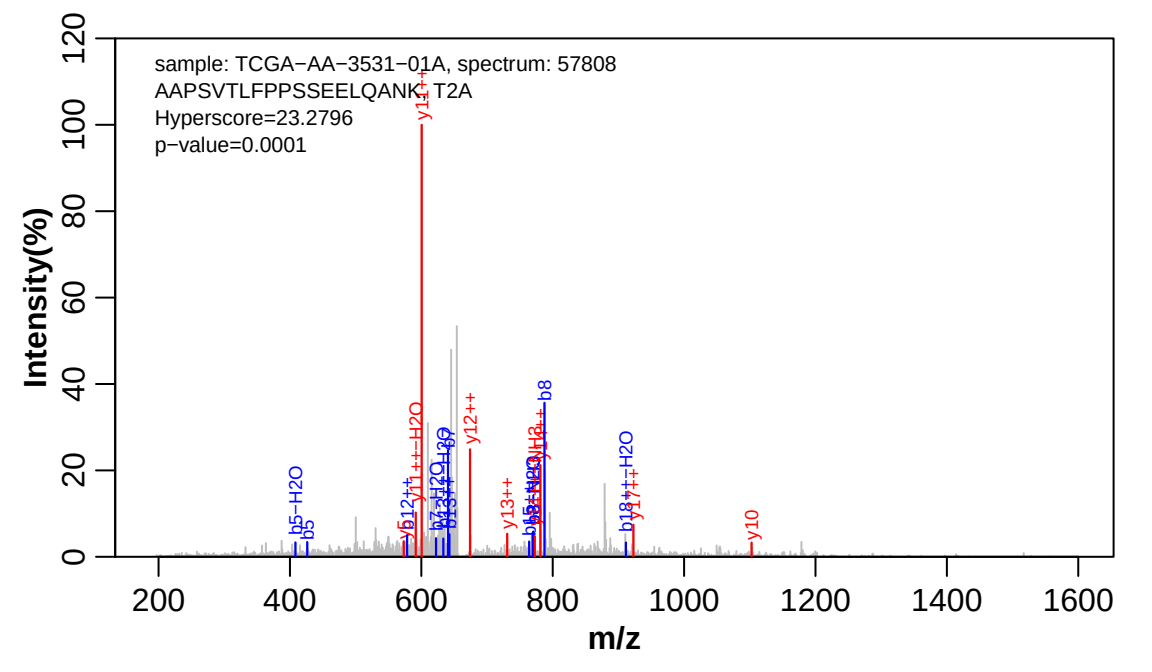

sample: TCGA−AA−3529−01A, spectrum: 67912
VPVTQATR, L3V
Hyperscore=19.2416
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
b4
y4
b5
y5
y6
y7

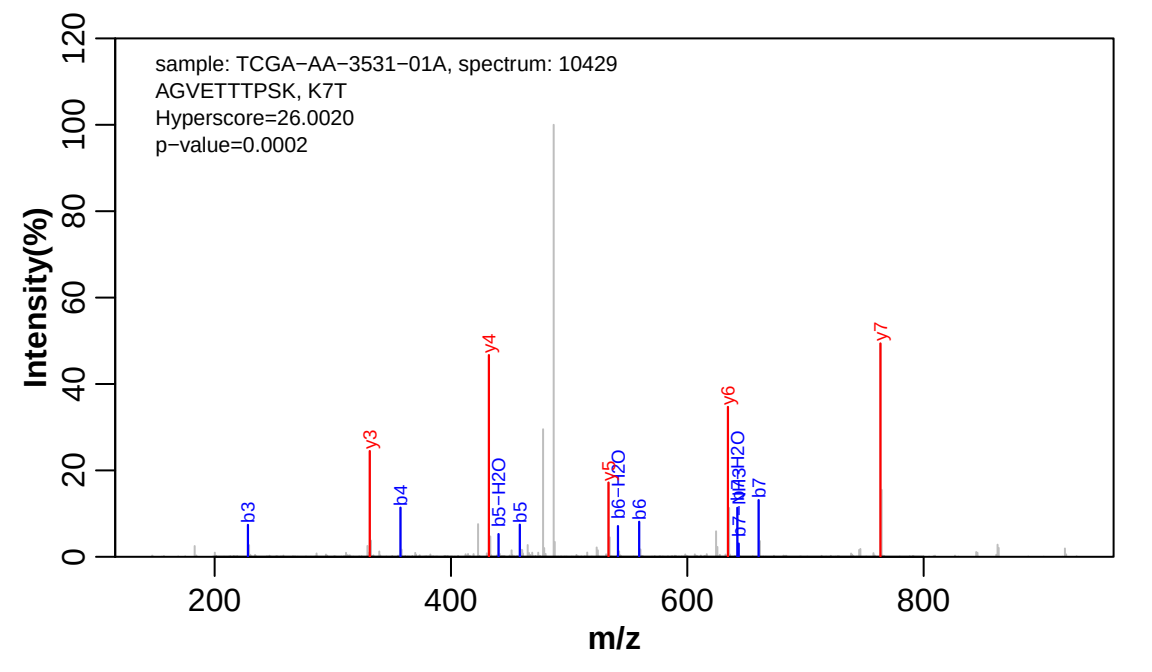

sample: TCGA−AA−3529−01A, spectrum: 120194
VQLPTESLQELLDLHR, T7S
Hyperscore=38.1754
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
y5
y6
y7
y8
b8
b9
b10
y9
y10
b11
y11
y12
b13
y13
y14
b15

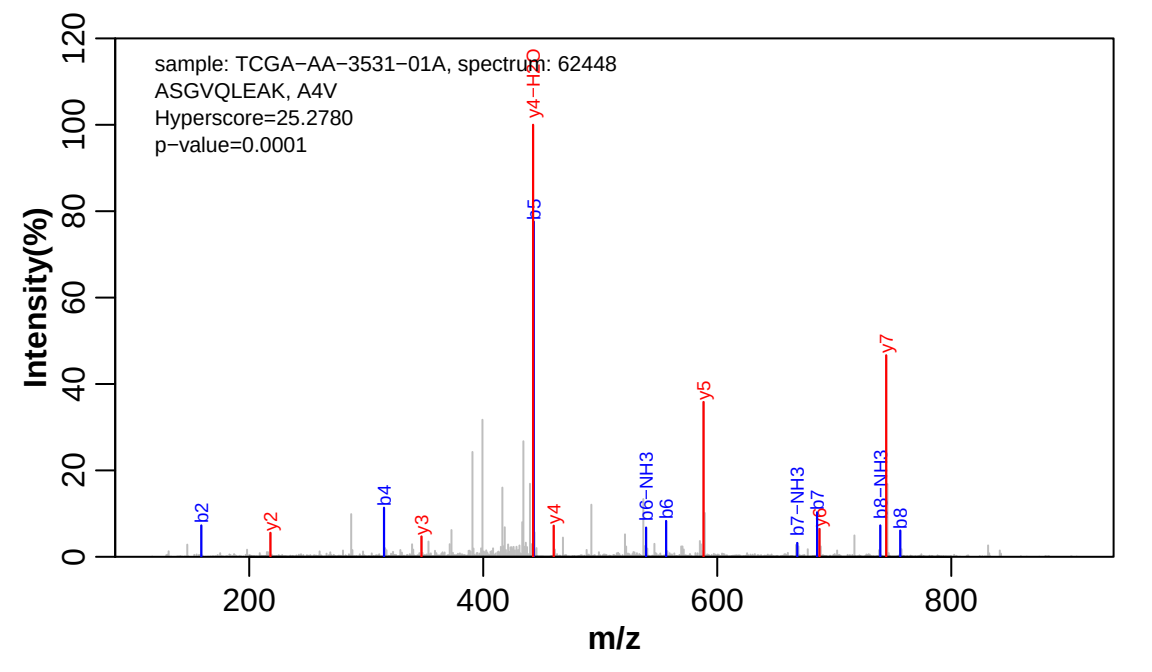

sample: TCGA−AA−3529−01A, spectrum: 95725
YVSLLYTNYEAGK, I2V
Hyperscore=29.9686
p−value=0.0001
Intensity(%)
m/z
y8
y9
y11
y7
y10
b10
b11
b12
b7−NH3
b4−H2O
b3−H2O
y6
b6−H2O
b6
b5
b4
b7
y3
b2

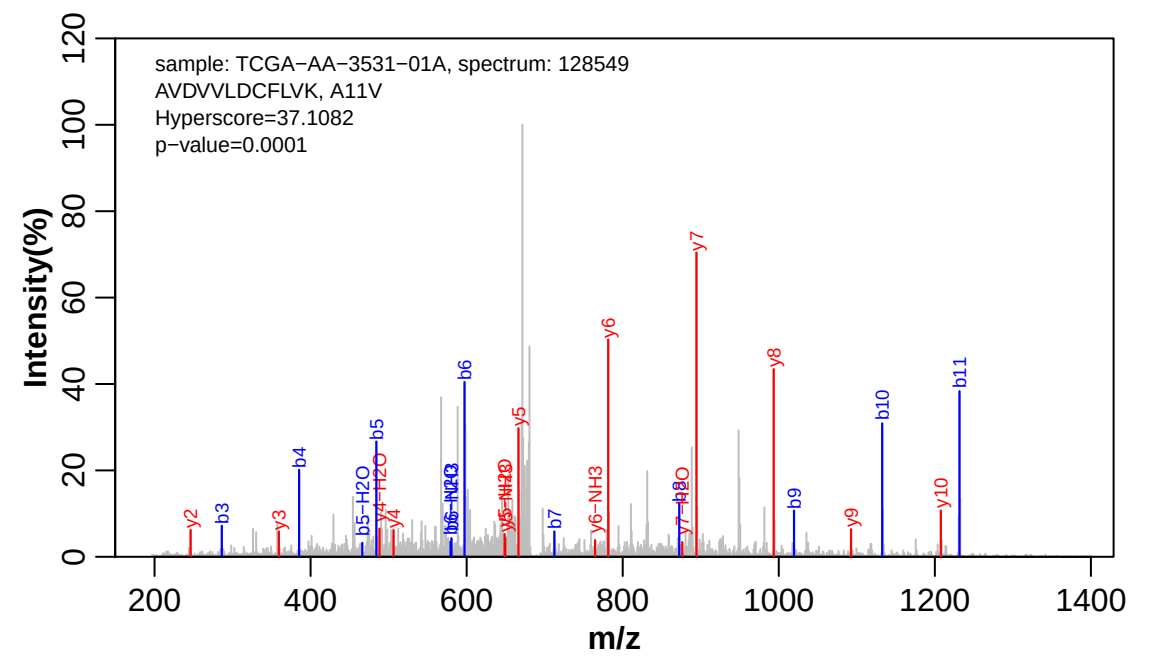

sample: TCGA−AA−3529−01A, spectrum: 73785
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=63.8518
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
y3
b4−H2O
b4
y4
b5−H2O
b5
y5−NH3
y5
y7
y8
y8−NH3
b8−NH3
b8
y9
y9−NH3
b9−H2O
y10−H2O
y10
b10
y11
y11−NH3
y12
b13
y13
b14
y14
b15
b16−NH3
b16
b17−NH3
b17

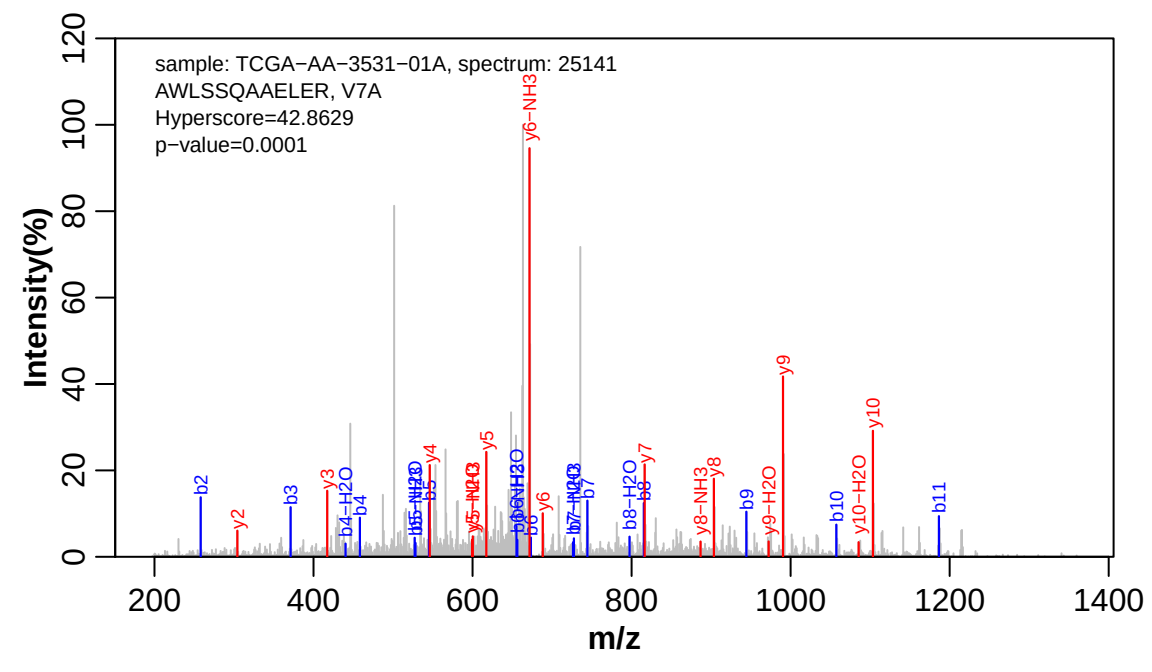

sample: TCGA−AA−3531−01A, spectrum: 77316
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=77.9918
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b5
y4
b6
y5
b7
y6
b8
b16++−H2O
b17++
b9
b18++
b20++−H2O
b20++
b21++
b25++
b28++
b15−H2O
b16

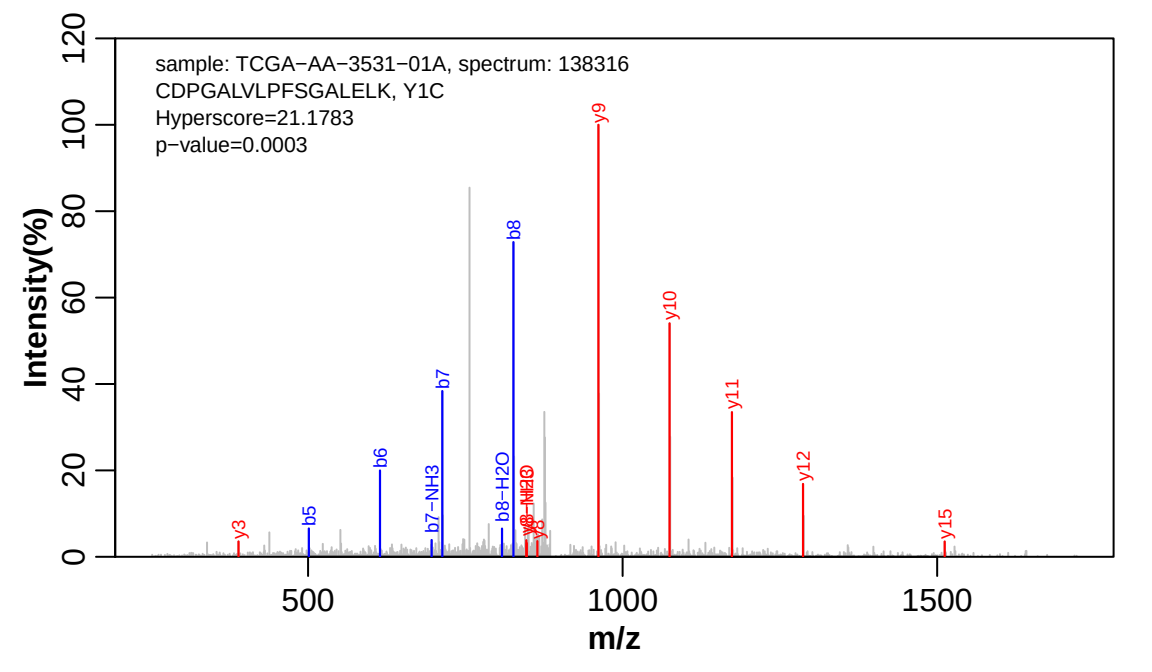

sample: TCGA−AA−3531−01A, spectrum: 57808
AAPSVTLFPPSSEELQANK_T2A
Hyperscore=23.2796
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y14++
y12++−H2O
y12++
y13++
y12++
b8
b5−H2O
b5
y17++−H2O
y10

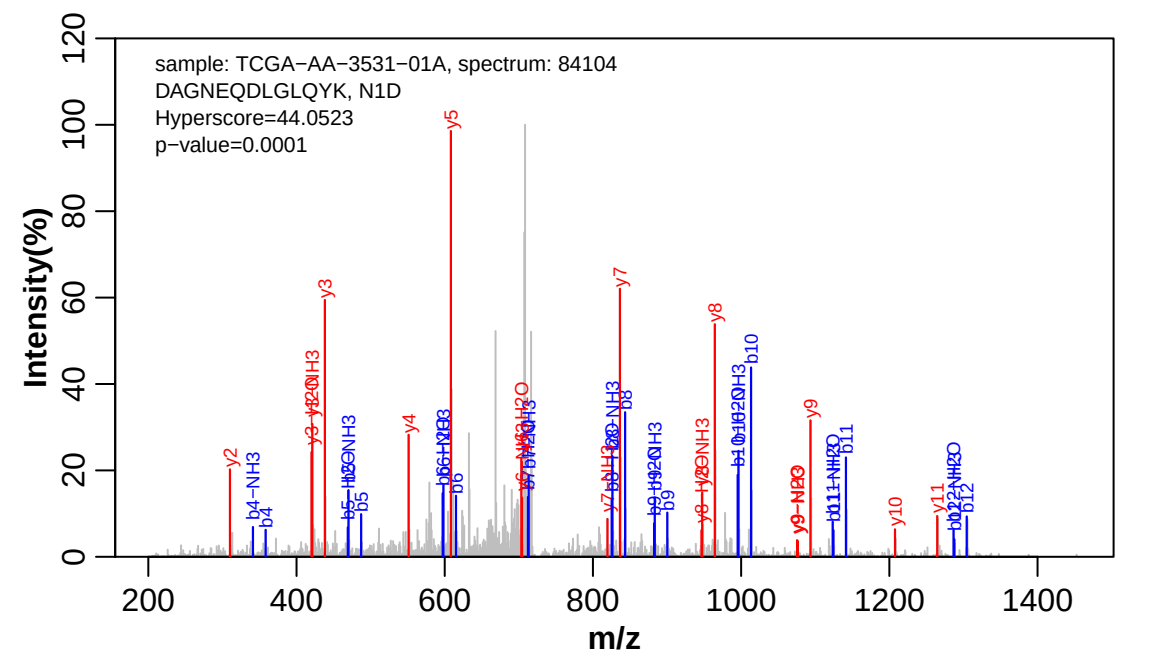

sample: TCGA−AA−3531−01A, spectrum: 10429
AGVETTTPSK, K7T
Hyperscore=26.0020
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7
y7

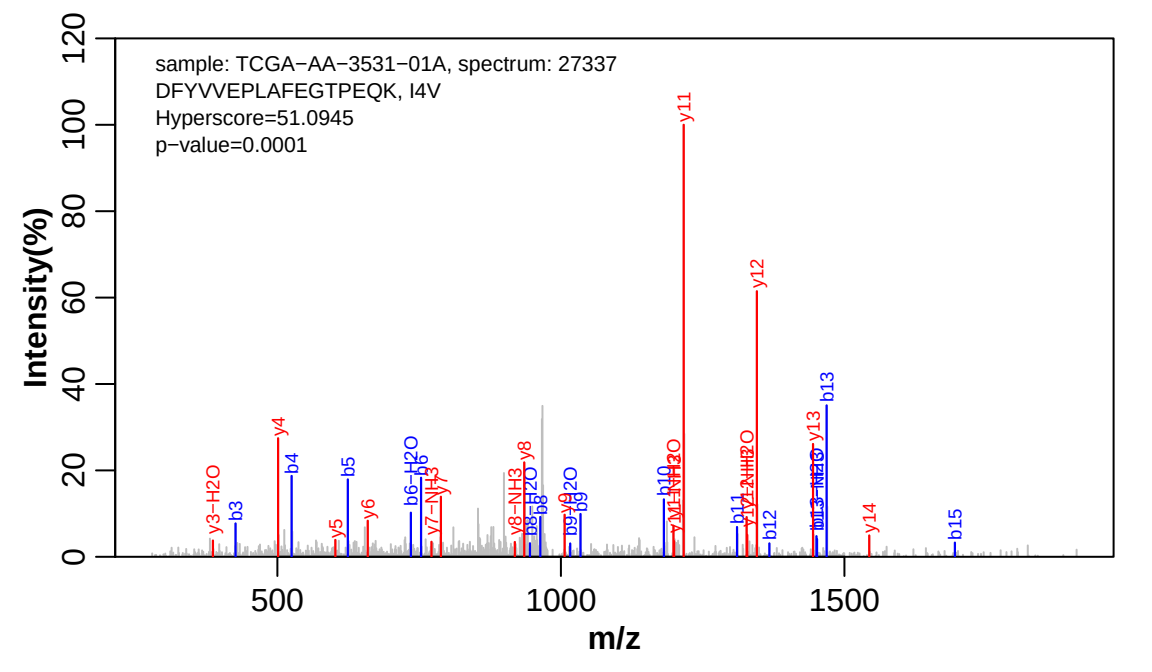

sample: TCGA−AA−3531−01A, spectrum: 62448
ASGVQLEAK, A4V
Hyperscore=25.2780
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b2
y2
b4
y3
y4−H2O
b5
y4
b6−NH3
b6
y5
b7−NH3
y6
b7
b8−NH3
y7
b8

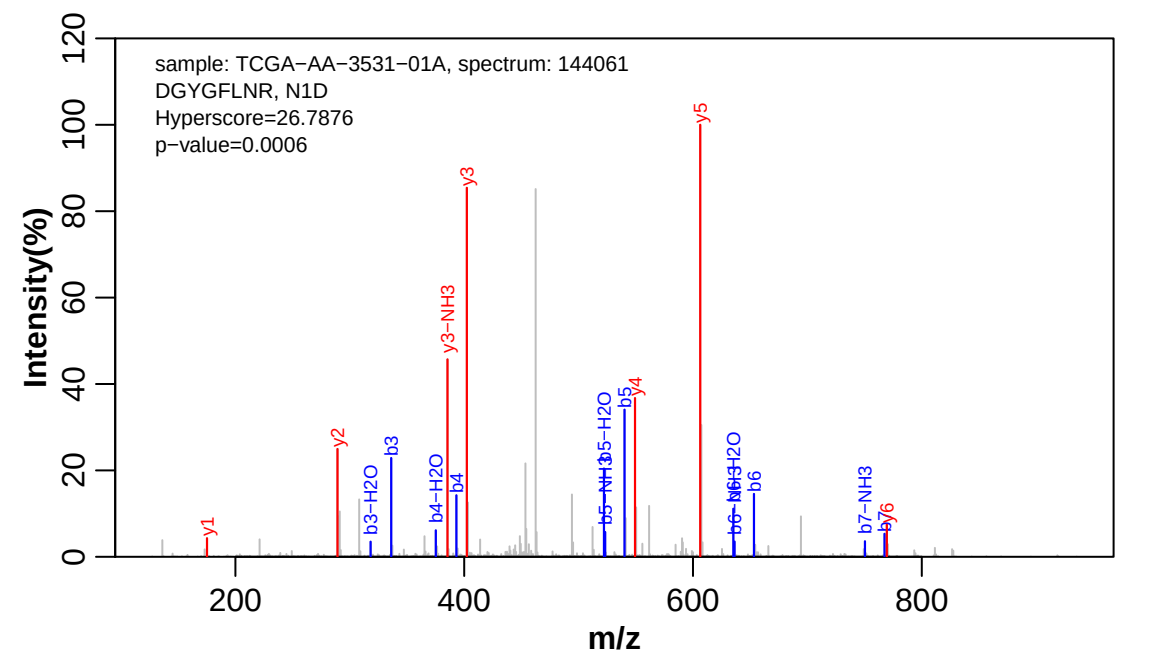

sample: TCGA−AA−3531−01A, spectrum: 128549
AVDVVLDCFLVK, A11V
Hyperscore=37.1082
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
b5−H2O
b5
y4−H2O
y4
b6
y5
b7
y6−NH3
y6
y7
y8
b9
b10
y9
y10
b11

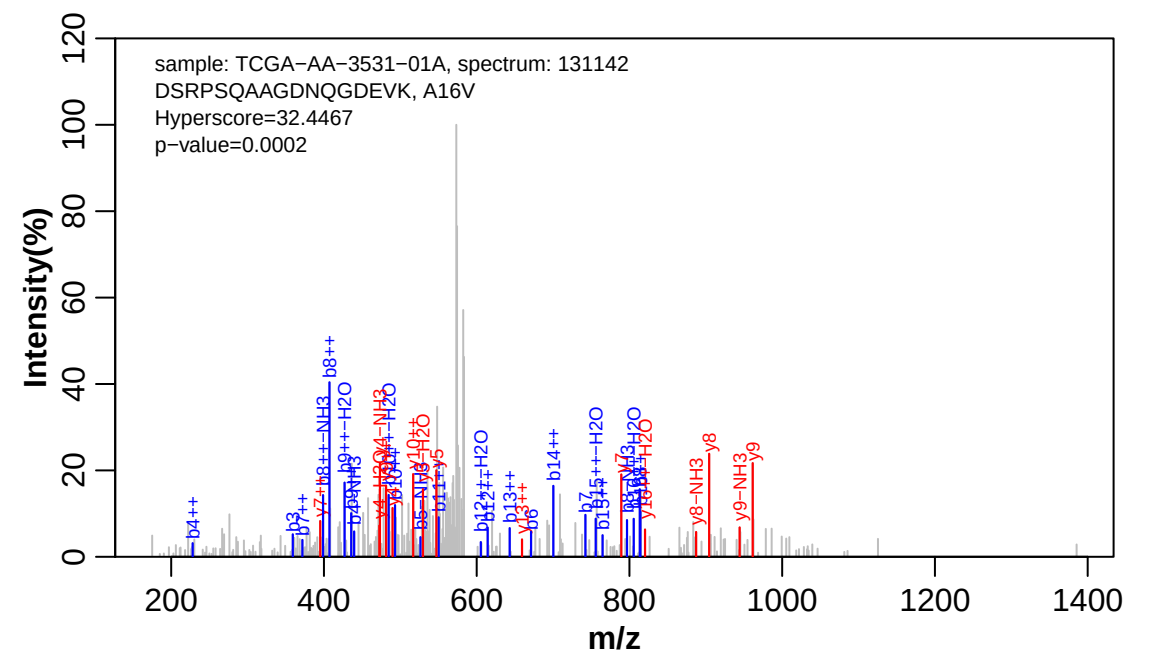

sample: TCGA−AA−3531−01A, spectrum: 25141
AWLSSQAAELER, V7A
Hyperscore=42.8629
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6−NH3
y9
y10
y10−H2O
y9−H2O
y8
y8−NH3
y7
y6
y5
y4
y3
y2
b2
b3
b4
b4−H2O
b5
b6
b8−H2O
b9
b10
b11

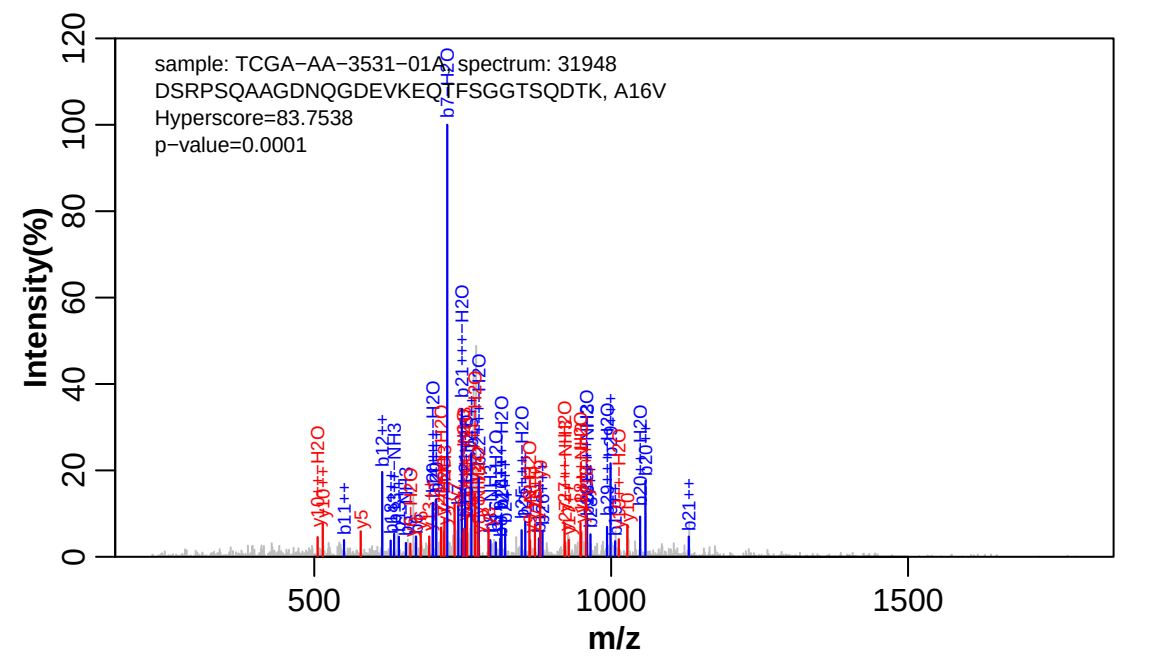

sample: TCGA−AA−3531−01A, spectrum: 138316
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.1783
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
b5
b6
b7−NH3
b7
b8−H2O
b8
y9
y10
y11
y12
y15

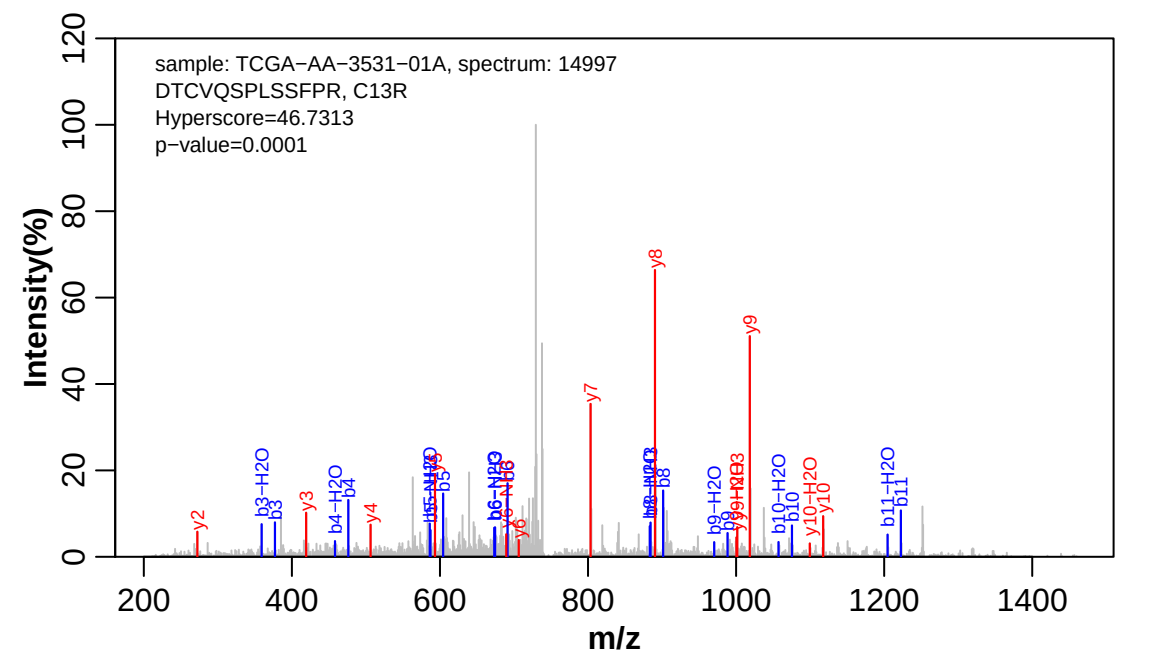

sample: TCGA−AA−3531−01A, spectrum: 84104
DAGNEQDLGLQYK, N1D
Hyperscore=44.0523
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y3
y4
y7
y8
y9
y10
y11
y2
b4−NH3
b4
b5
b6
b8
b10
b11
b12

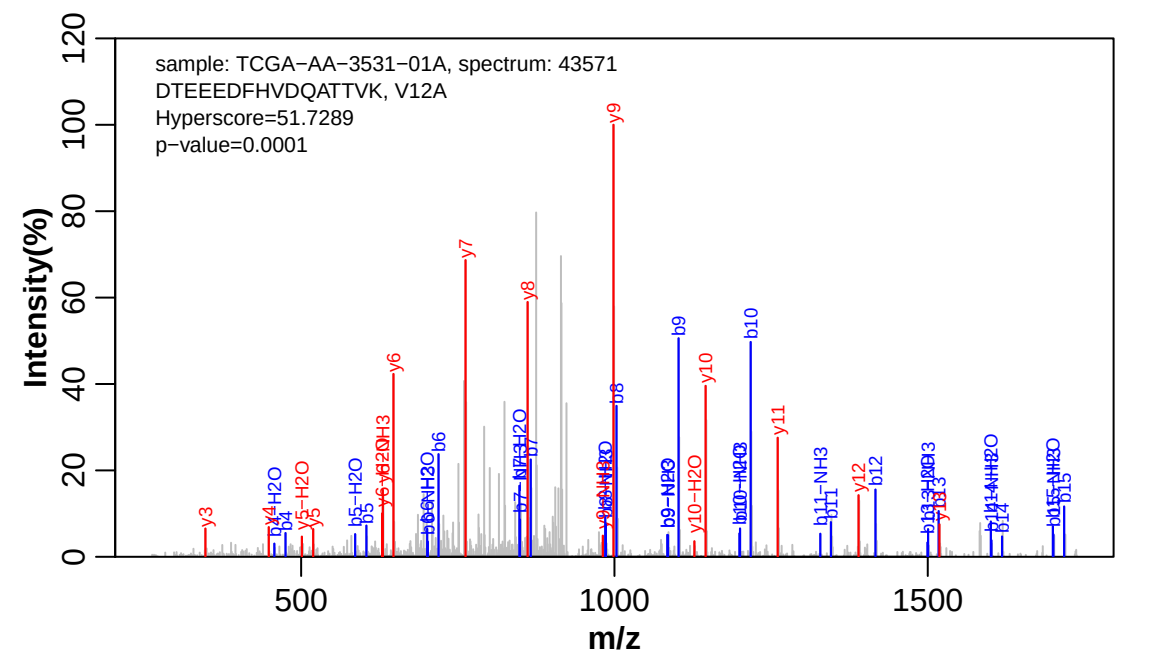

sample: TCGA−AA−3531−01A, spectrum: 27337
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=51.0945
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11
y12
y4
b13
y13
b4
b5
y6
y5
b3
y3−H2O
b6−H2O
b6
y7
y7−NH3
y8
y8−NH3
b8−H2O
b8
b9−H2O
b9
b10
y10−NH3−H2O
b11
y11−NH3−H2O
b12
y14
b15

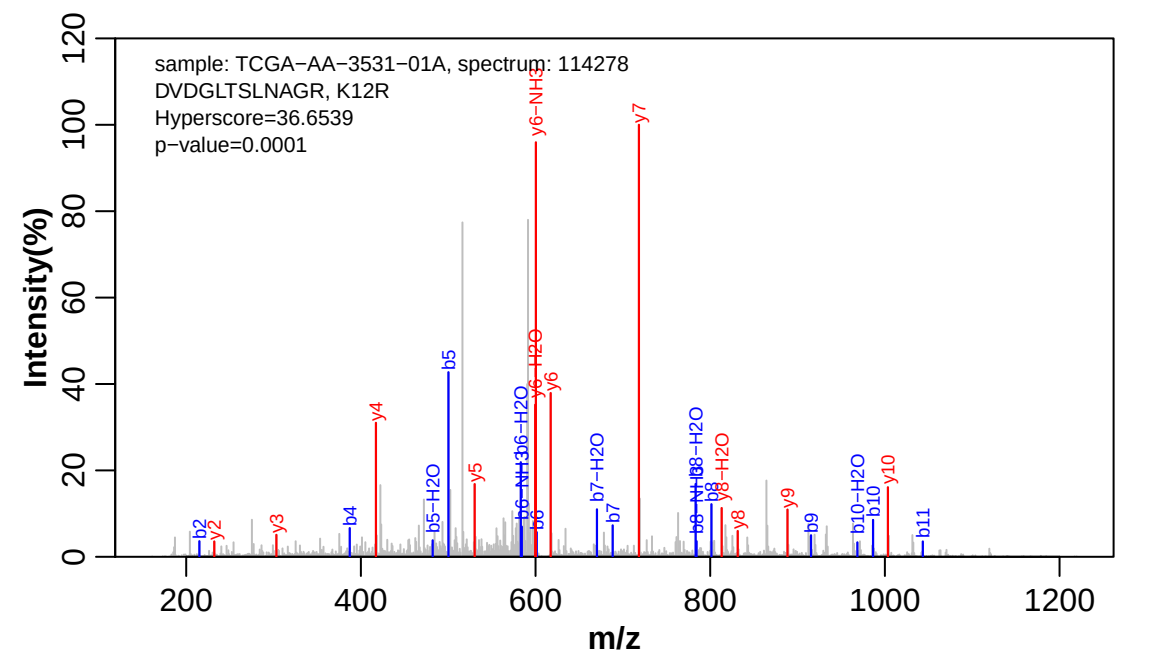

sample: TCGA−AA−3531−01A, spectrum: 144061
DGYGFLNR, N1D
Hyperscore=26.7876
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−NH3
b6−H2O
b6
b7−NH3
y6

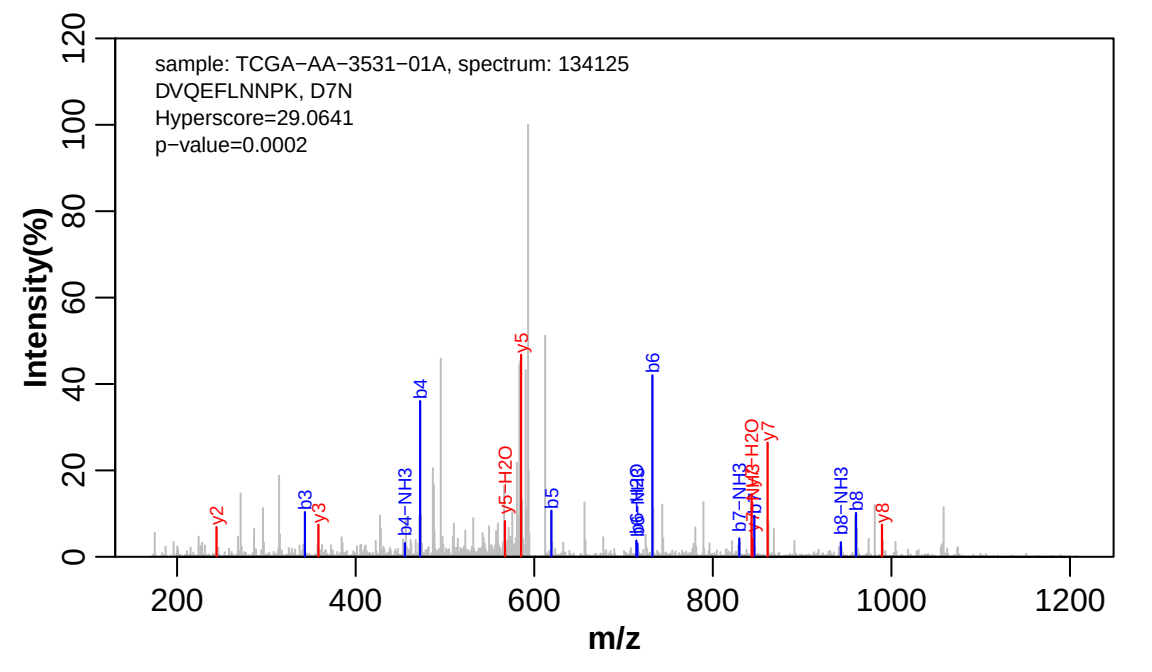

sample: TCGA−AA−3531−01A, spectrum: 131142
DSRPSQAAGDNQGDEVK, A16V
Hyperscore=32.4467
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4++
b3
b7++
y2++
b8++−NH3
b8++
b9++−H2O
b9++−NH3
y4++−H2O
y4++−NH3
b5−NH3
b5−H2O
y10++
y5
b11++
b12++−H2O
b12++
b13++
y3++
b6
b14++
b7
b15++−H2O
b15++
b8−NH3
y16++−H2O
y8
y8−NH3
y9
y9−NH3

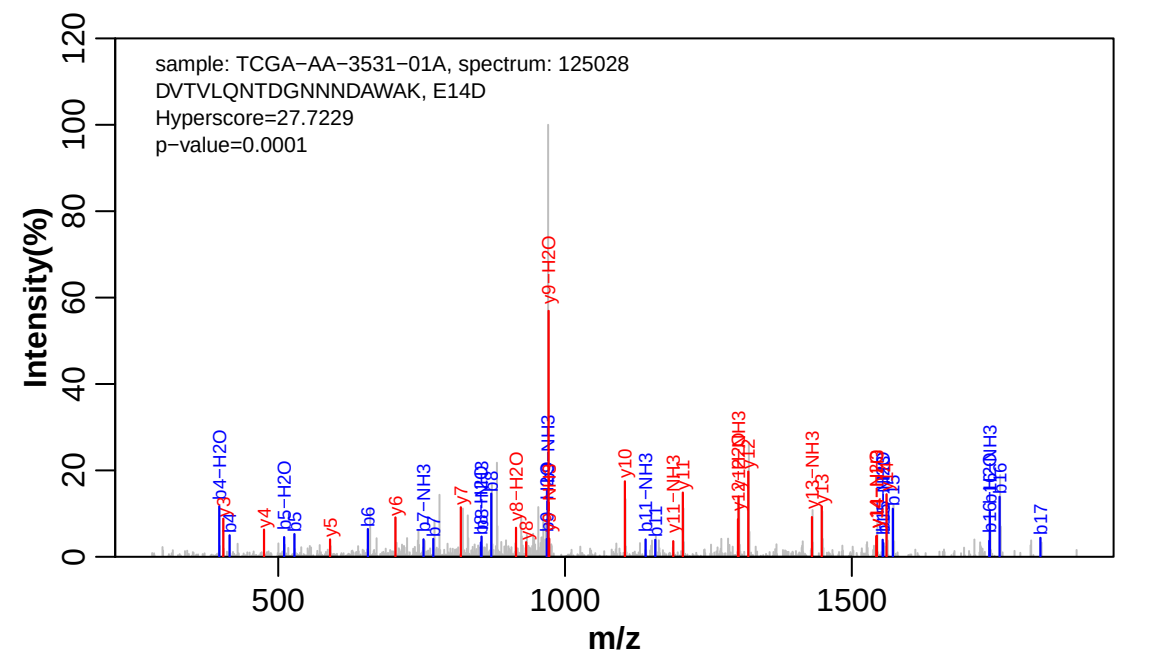

sample: TCGA−AA−3531−01A spectrum: 31948
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=83.7538
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b7++-H2O
b21+++-H2O
y10++-H2O
b11++
y5
b12++
b20++-H2O
b21++

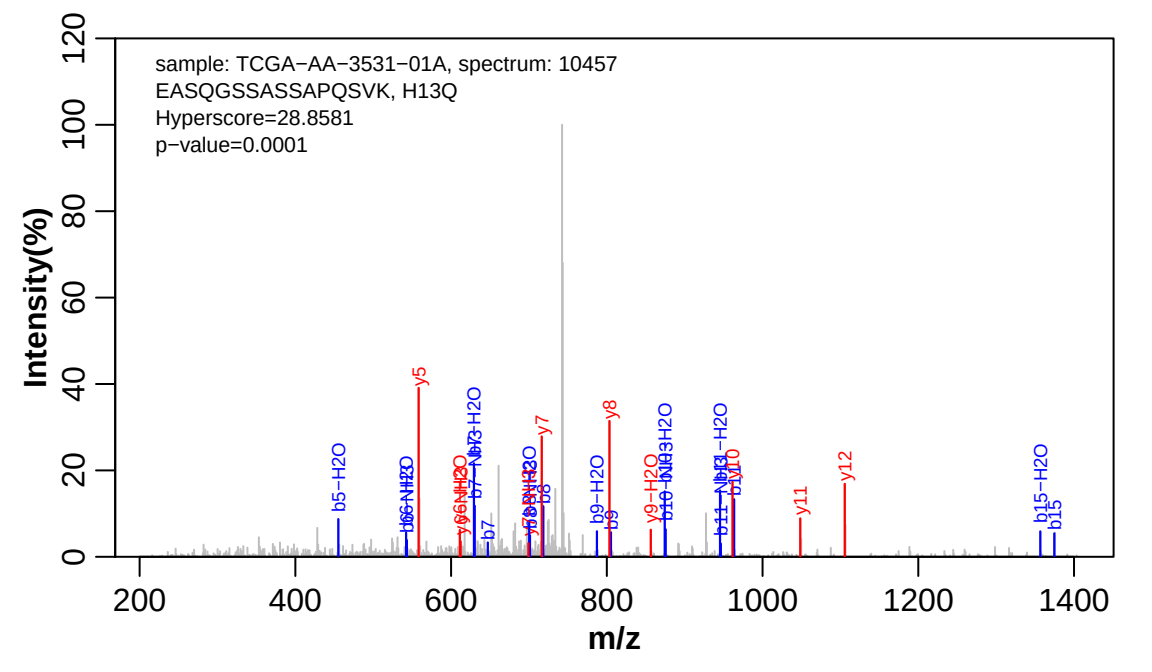

sample: TCGA−AA−3531−01A, spectrum: 14997
DTCVQSPLSSFPR, C13R
Hyperscore=46.7313
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
y7
y8
y9
b8
b9−H2O
b10−H2O
b10
y10−H2O
y10
b11−H2O
b11

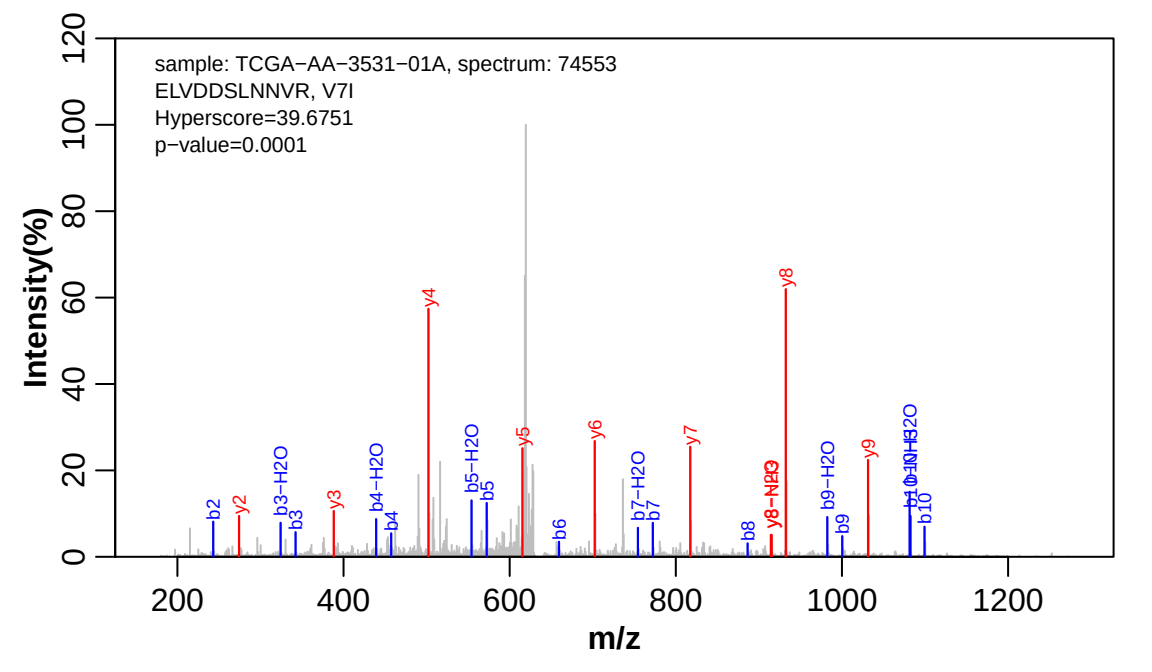

sample: TCGA−AA−3531−01A, spectrum: 43571
DTEEEDFHVDQATTVK, V12A
Hyperscore=51.7289
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y9
y7
y8
y6
b9
b10
y10
y11
b8
b6
b7
y3
y4
y5
b4
b5
y12
b12
b11
b14
b15
y10−H2O
y10−NH3
b11−NH3
y5−H2O
b5−H2O
b10−H2O
b9−H2O
b9−NH3
b10−NH3
b15−NH3
b15−H2O
b14−H2O
b14−NH3
b13−H2O
b13−NH3
y13
y6−H2O
y6−NH3
b6−H2O
b6−NH3
b7−H2O
b7−NH3
y4−H2O

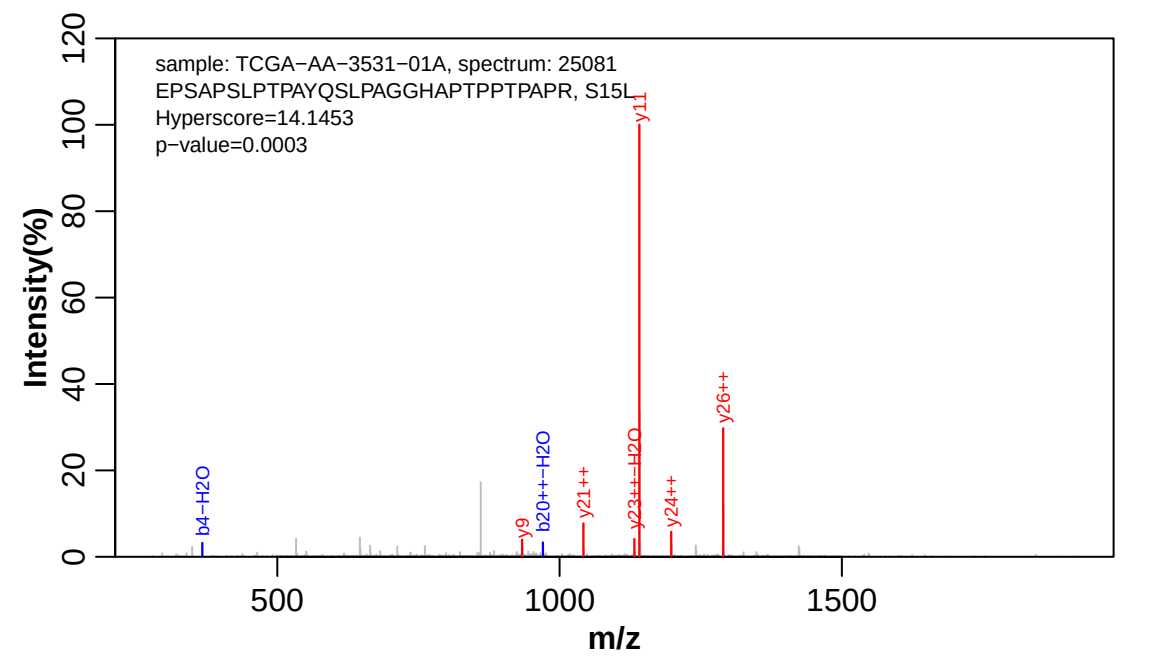

sample: TCGA−AA−3531−01A, spectrum: 114278
DVDGLTSLNAGR, K12R
Hyperscore=36.6539
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b4
y4
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6−NH3
y6−H2O
y6
b7−H2O
b7
y7
b8−NH3
b8−H2O
b8
y8−H2O
y8
y9
b9
b10−H2O
b10
y10
b11

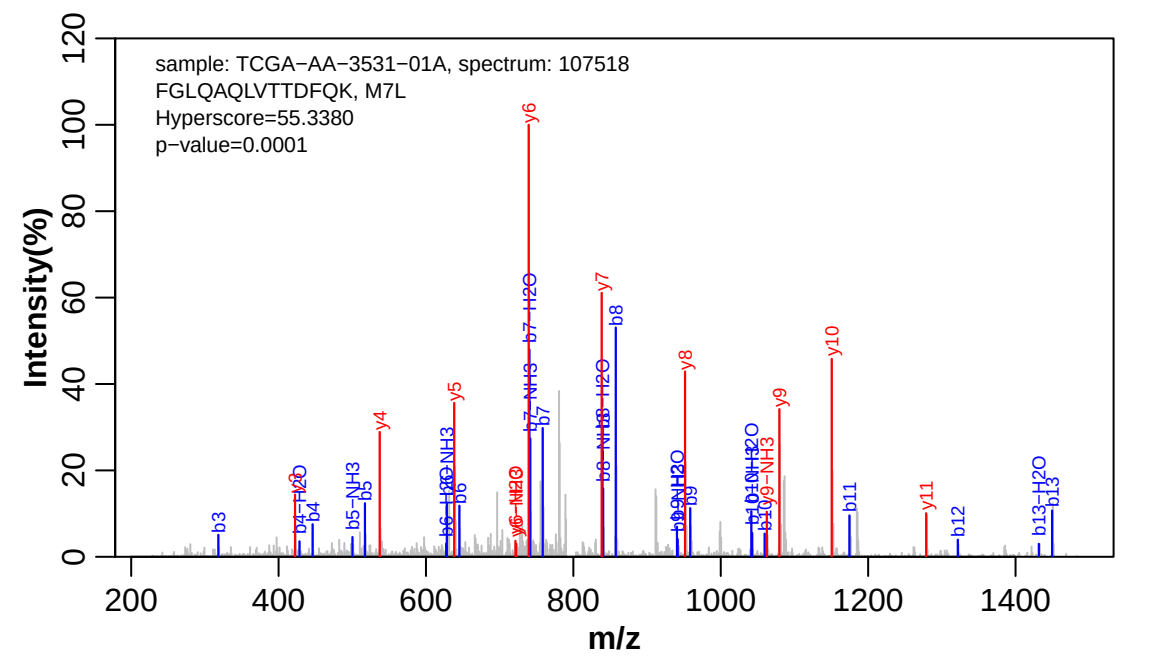

sample: TCGA−AA−3531−01A, spectrum: 134125
DVQEFLNNPK, D7N
Hyperscore=29.0641
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3
b4−NH3
b4
y5−H2O
y5
b5
b6
b6−NH3
b6−H2O
b7−NH3
y7−NH3
y7−H2O
y7
b8−NH3
b8
y8

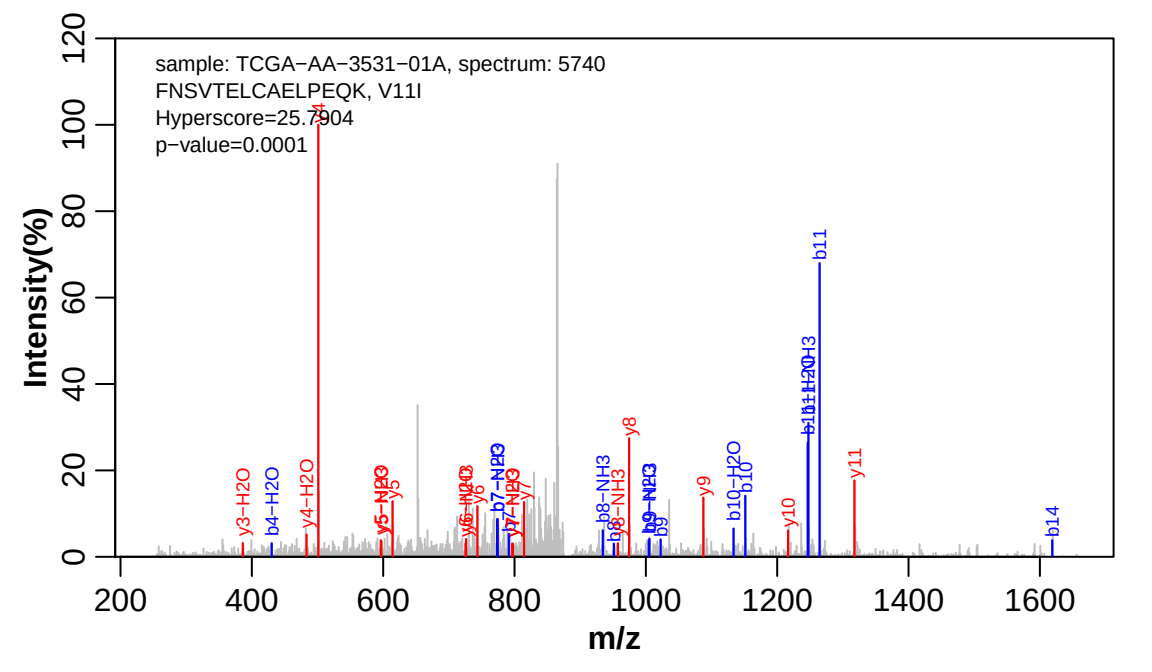

sample: TCGA−AA−3531−01A, spectrum: 125028
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=27.7229
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
y4
b5−H2O
y5
b6
y6
b7−NH3
y7
y8−H2O
y9−H2O
y10
b11−NH3
y11−NH3
y13−NH3
b16
b17

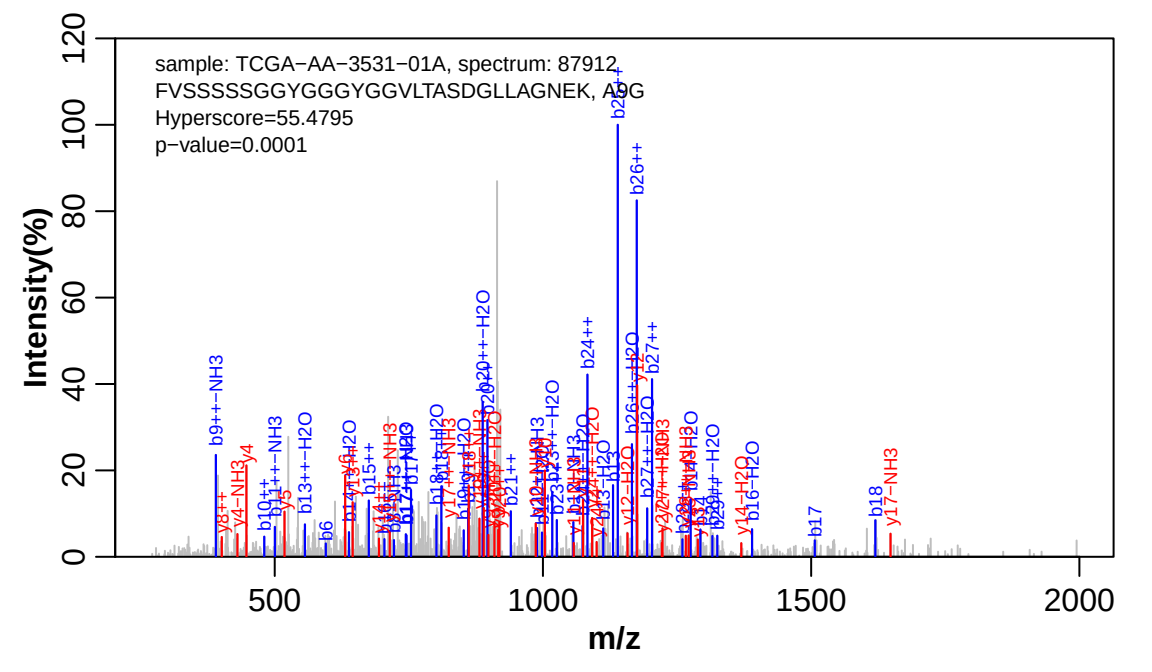

sample: TCGA−AA−3531−01A, spectrum: 10457
EASQGSSASSAPQSVK, H13Q
Hyperscore=28.8581
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b5−H2O
y5
b7−H2O
y7
y8
b9−H2O
b9
y9−H2O
b10−H2O
b11−H2O
y10
y11
y12
b15−H2O
b15

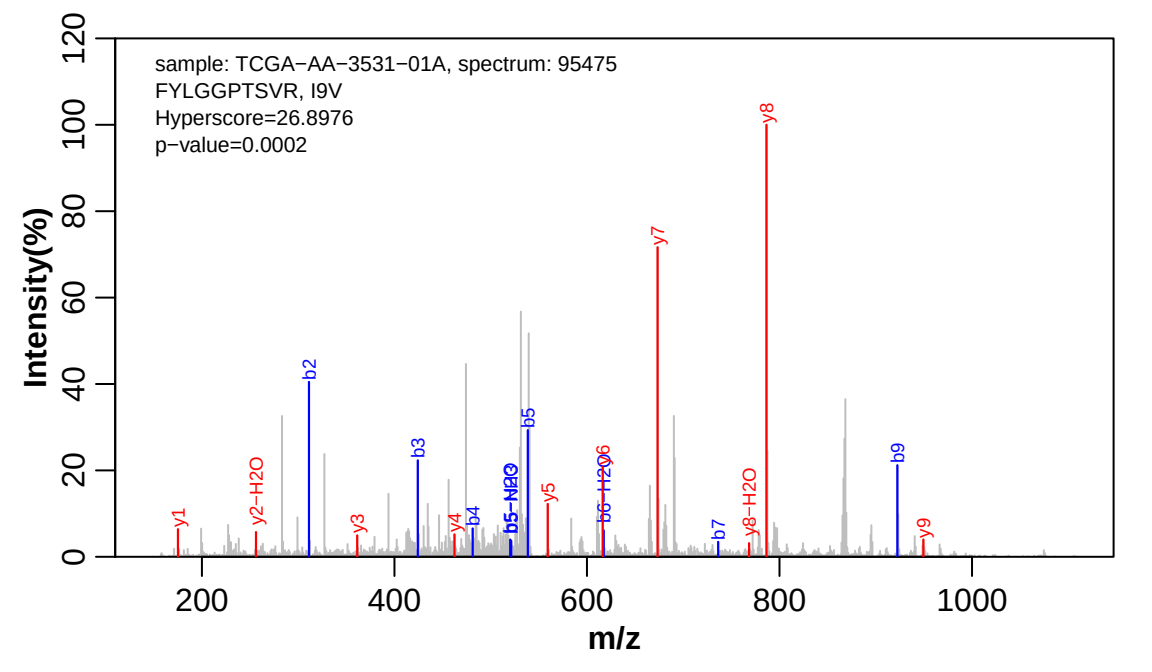

sample: TCGA−AA−3531−01A, spectrum: 74553
ELVDDSLNNVR, V7I
Hyperscore=39.6751
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6
y6
b7−H2O
b7
y7
b8
y8−NH3
y8
b9−H2O
b9
y9
b10−H2O
b10

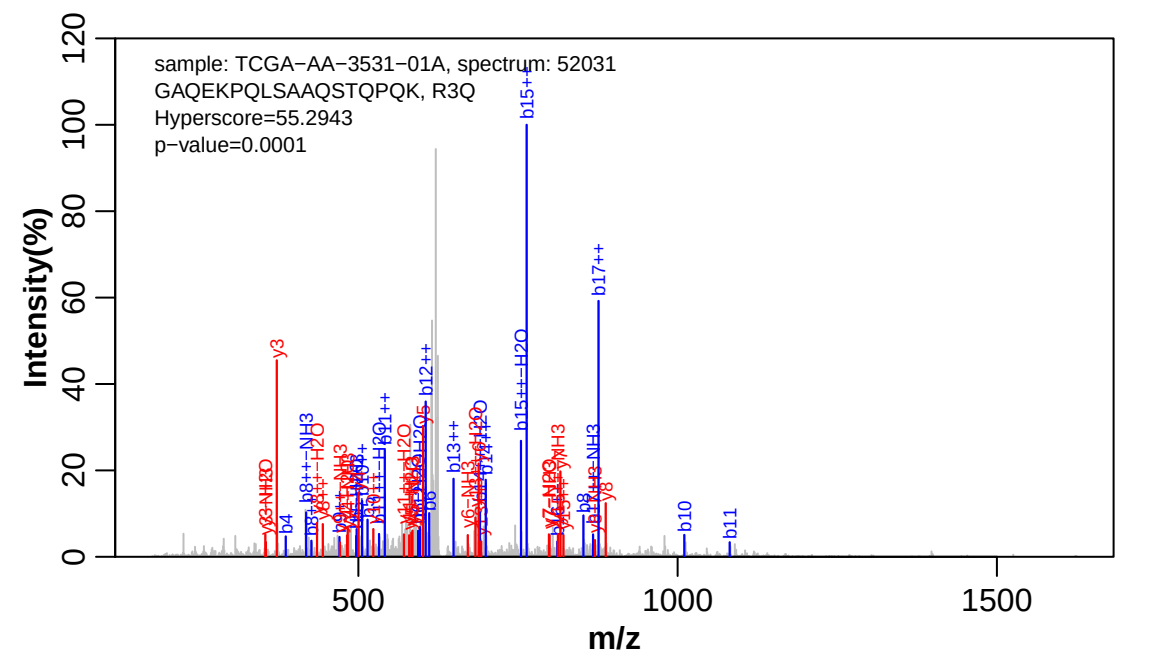

sample: TCGA−AA−3531−01A, spectrum: 25081
EPSAPSLPTPAYQSLPAGGHAPTPPTPAPR, S15L
Hyperscore=14.1453
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
b4−H2O
y9
b20++−H2O
y21++
y23++−H2O
y24++
y11
y26++

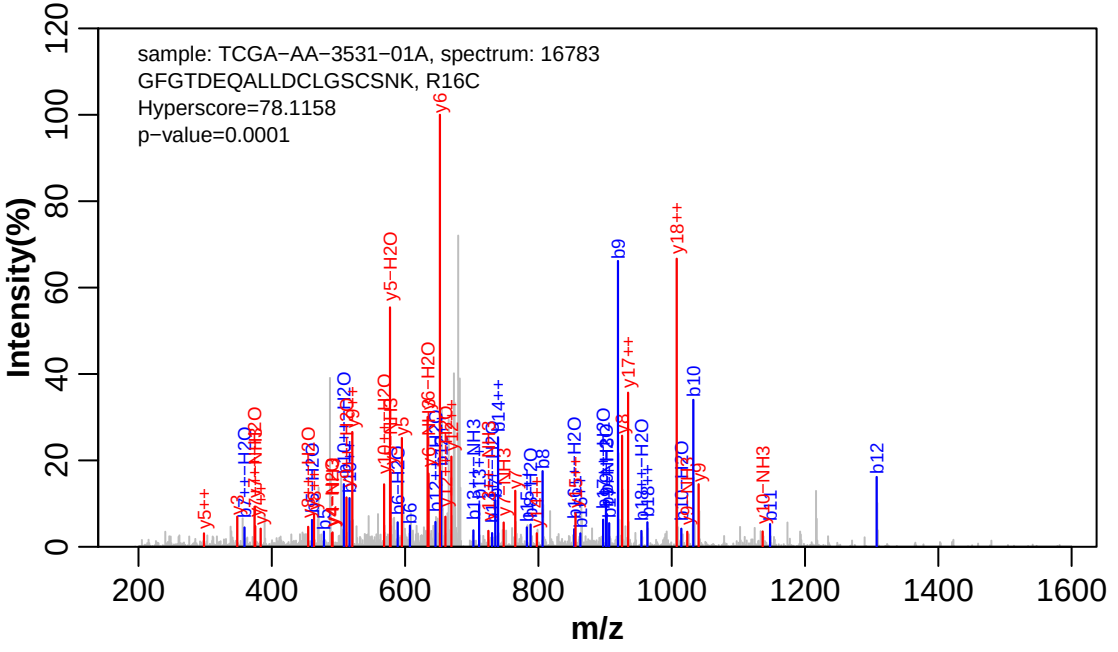

sample: TCGA−AA−3531−01A, spectrum: 107518
FGLQAQLVTTDFQK, M7L
Hyperscore=55.3380
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6
y7
y8
y10
y9
y5
y4
y11
b8
b7 − H2O
b7 − NH3
b7
b8 − NH3 − H2O
b8 − H2O
b8 − NH3
b9 − H2O
b9 − NH3
b10 − H2O
b10 − NH3
b11
b12
b13 − H2O
b13
b3
b4 − H2O
b4
b5 − NH3
b5
b6 − H2O
b6 − NH3
b6
y6 − H2O
y6 − NH3

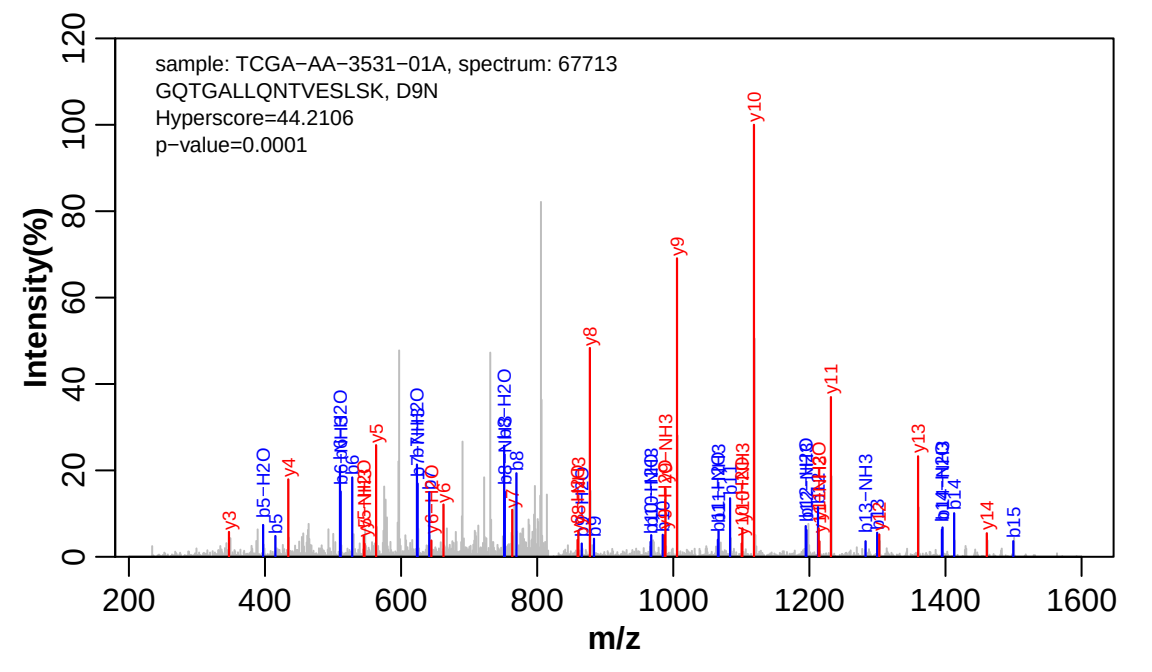

sample: TCGA−AA−3531−01A, spectrum: 5740
FNSVTELCAELPEQK, V11I
Hyperscore=25.7904
p−value=0.0001
Intensity(%)
m/z
y3−H2O
b4−H2O
y4−H2O
y4
y5
y6
y7
y8
b8−NH3
b9
y9
b10−H2O
b10
y10
b11
y11
b14

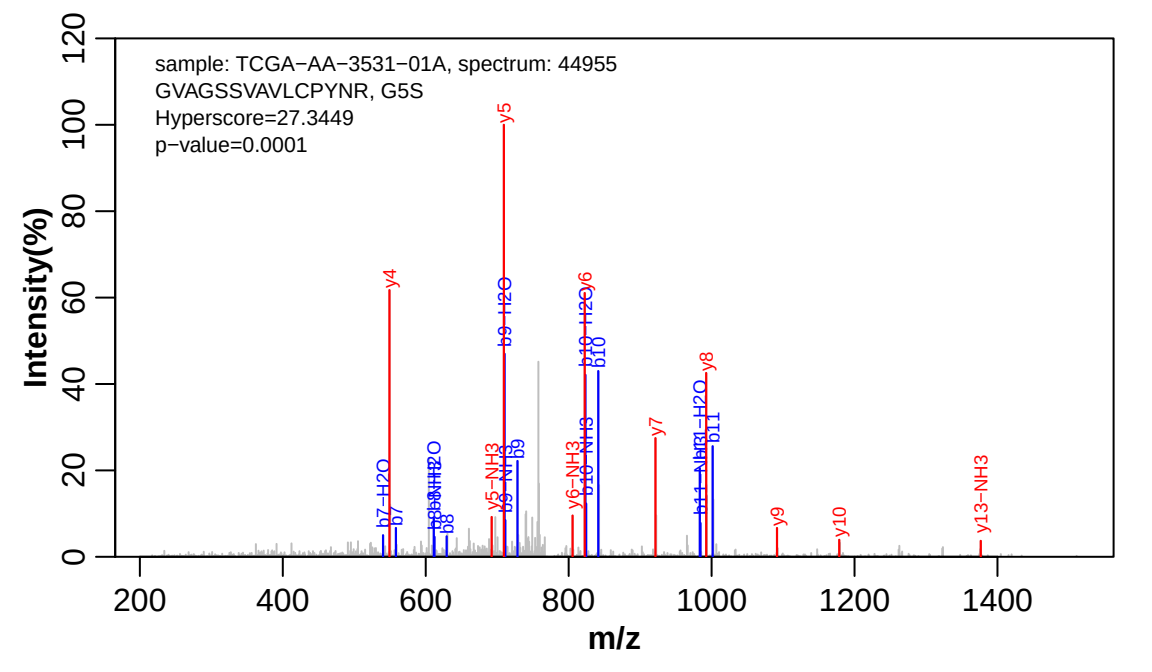

sample: TCGA−AA−3531−01A, spectrum: 87912
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=55.4795
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y8++
y4−NH3
y4
b10++−NH3
b11++−NH3
y5
b13++−H2O
b6
b14++−H2O
b15++
b18++−H2O
y17++−NH3
b21++
b24++
b26++
y26++−H2O
b27++−H2O
b27++
b28++
b29++−H2O
y14−H2O
b16−H2O
b17
b18
y17−NH3

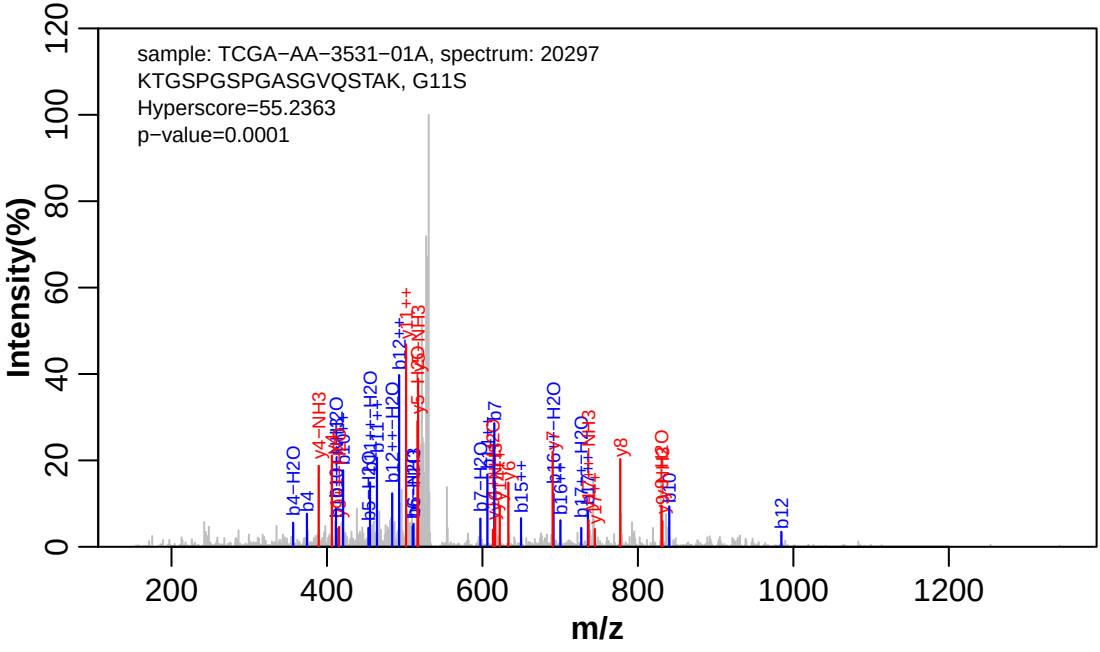

sample: TCGA−AA−3531−01A, spectrum: 95475
FYLGGPTSVR, I9V
Hyperscore=26.8976
p−value=0.0002
Intensity(%)
m/z
y1
y2−H2O
b2
y3
b3
y4
b4
b5−NH3
b5
y5
b6−H2O
b6
y7
b7
y8
y8−H2O
b9
y9

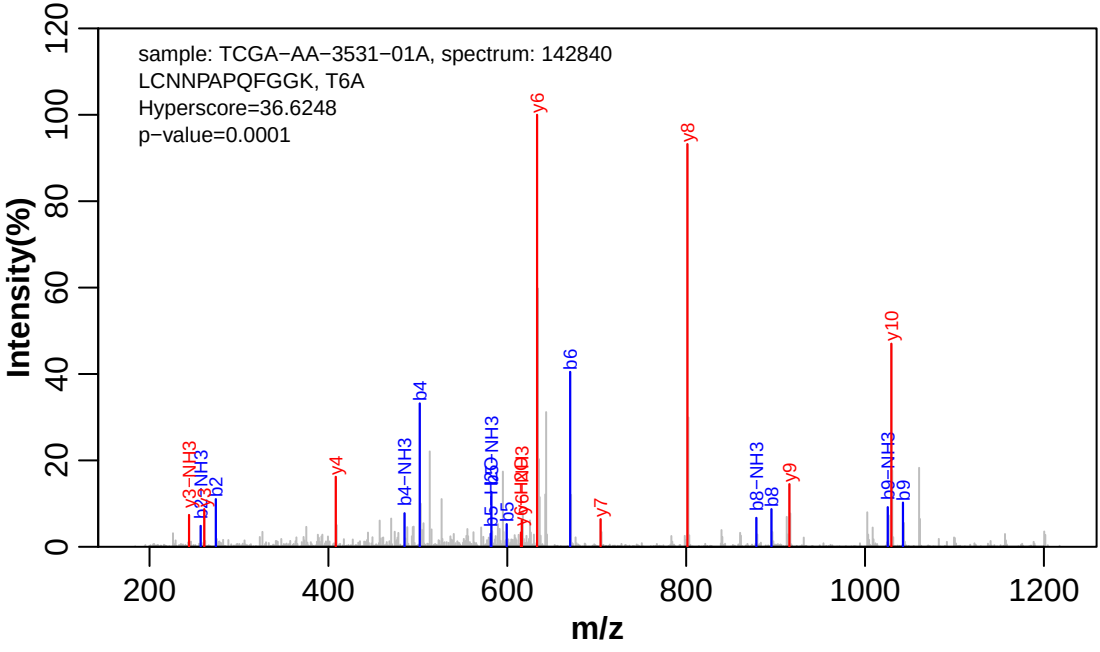

sample: TCGA−AA−3531−01A, spectrum: 52031
GAQEKPQLSAAQSTQPQK, R3Q
Hyperscore=55.2943
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b15++
b17++
y3
b15++−H2O
b12++
b13++
b10
b11

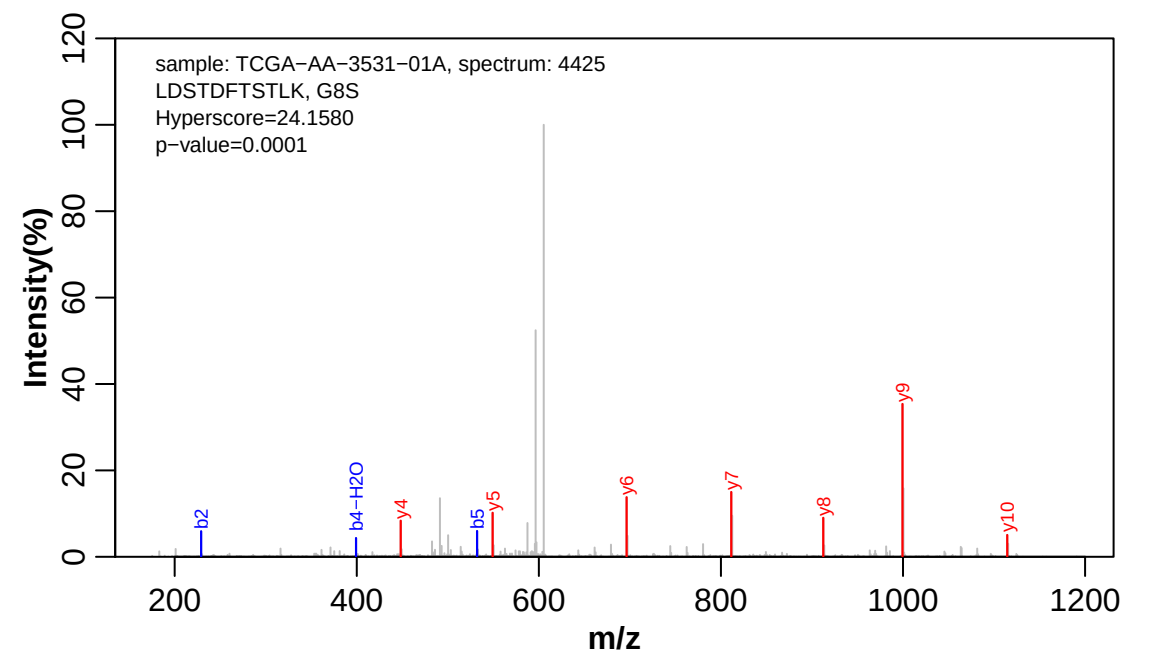

sample: TCGA−AA−3531−01A, spectrum: 16783
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=78.1158
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y5−H2O
y18++
b9
y17++
b10
b12
y5++
y5
b6
b8
y14++
y10−NH3
y9
b11

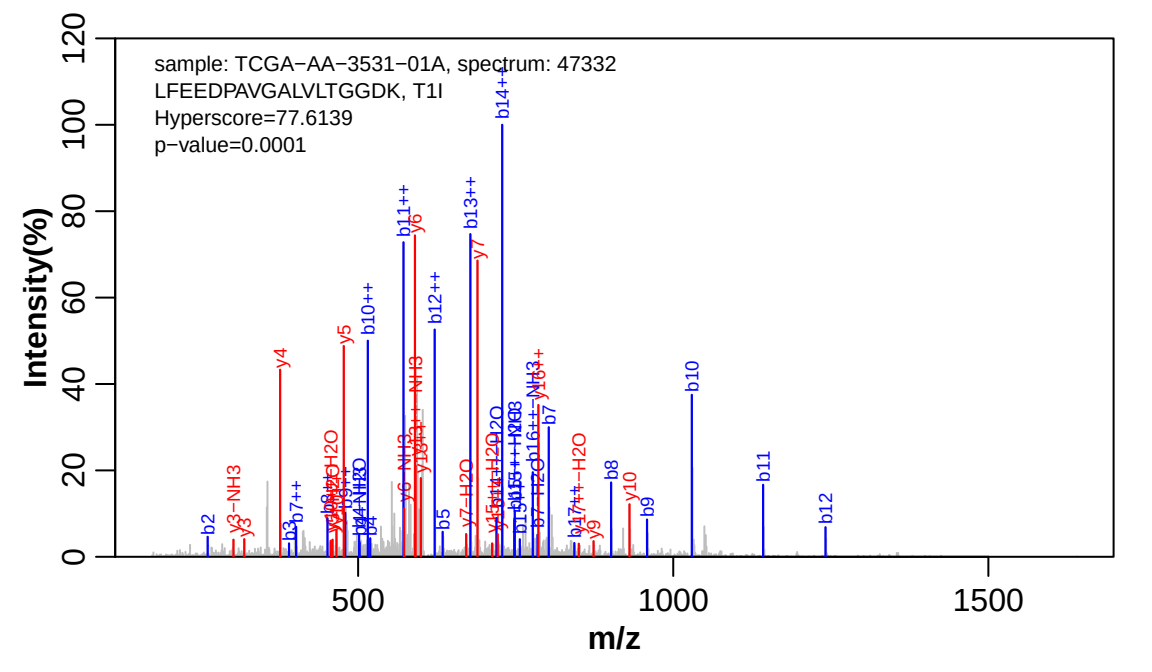

sample: TCGA−AA−3531−01A, spectrum: 67713
GQTGALLQNTVESLSK, D9N
Hyperscore=44.2106
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y5
y4
y3
y14
b15
b5−H2O
b5
b8−NH3
b8−H2O
b13−NH3

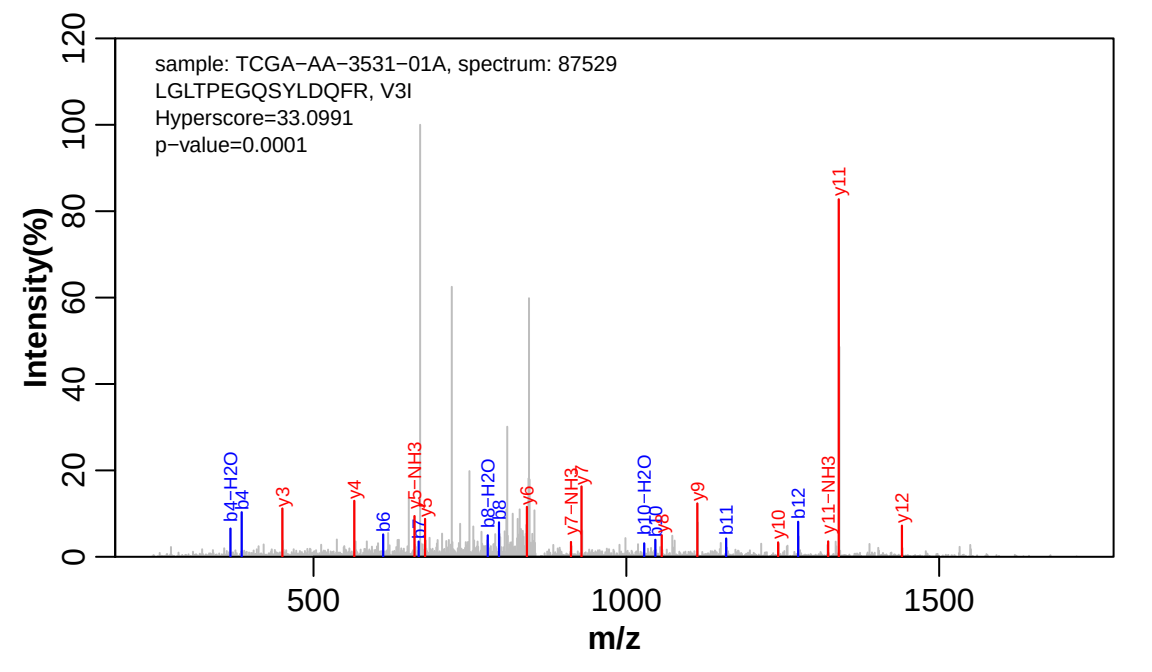

sample: TCGA−AA−3531−01A, spectrum: 44955
GVAGSSVAVLCPYNR, G5S
Hyperscore=27.3449
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
y6
b10
y8
y7
b11−NH3
b11−H2O
y5−NH3
b9−NH3
b9
y6−NH3
b10−NH3
b7−H2O
b7
y9
y10
y13−NH3

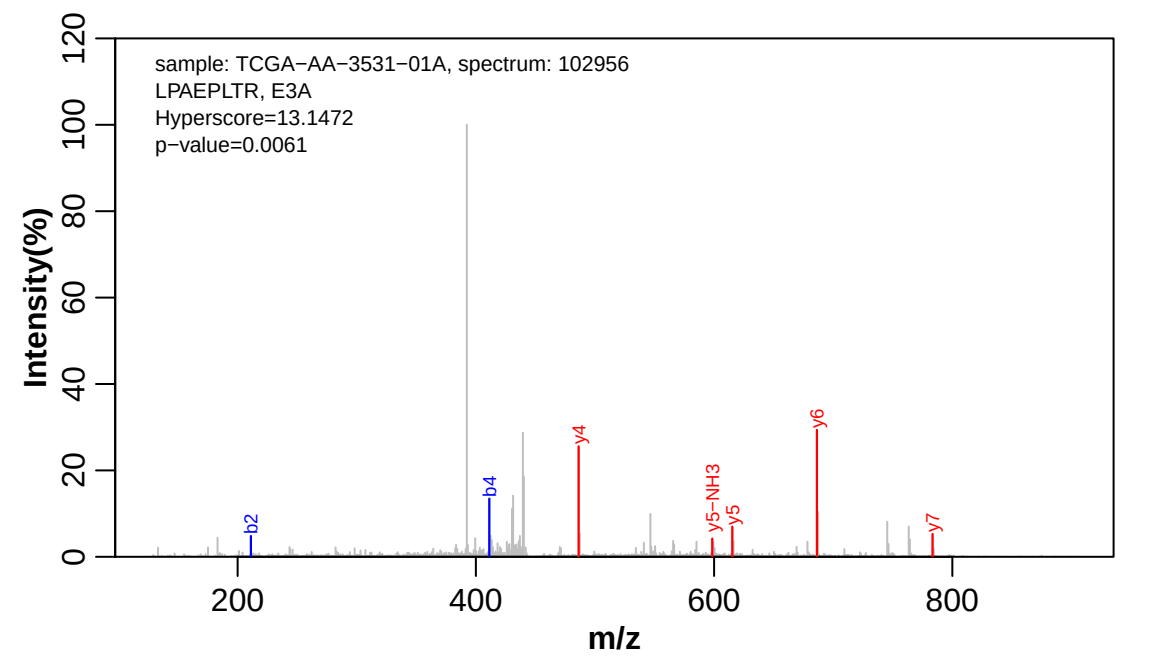

sample: TCGA−AA−3531−01A, spectrum: 20297
KTGSPGSPGASGVQSTAK, G11S
Hyperscore=55.2363
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b4−H2O
b4
y4−NH3
y4
b5−H2O
b5
b11++−H2O
b11++
b12++−H2O
b12++
b12++
y5−H2O
y5−NH3
y5
y11++
b7−H2O
b7
y6
b15++
b16
y7−H2O
y7
b17++−H2O
b17++
y8
b10
b12

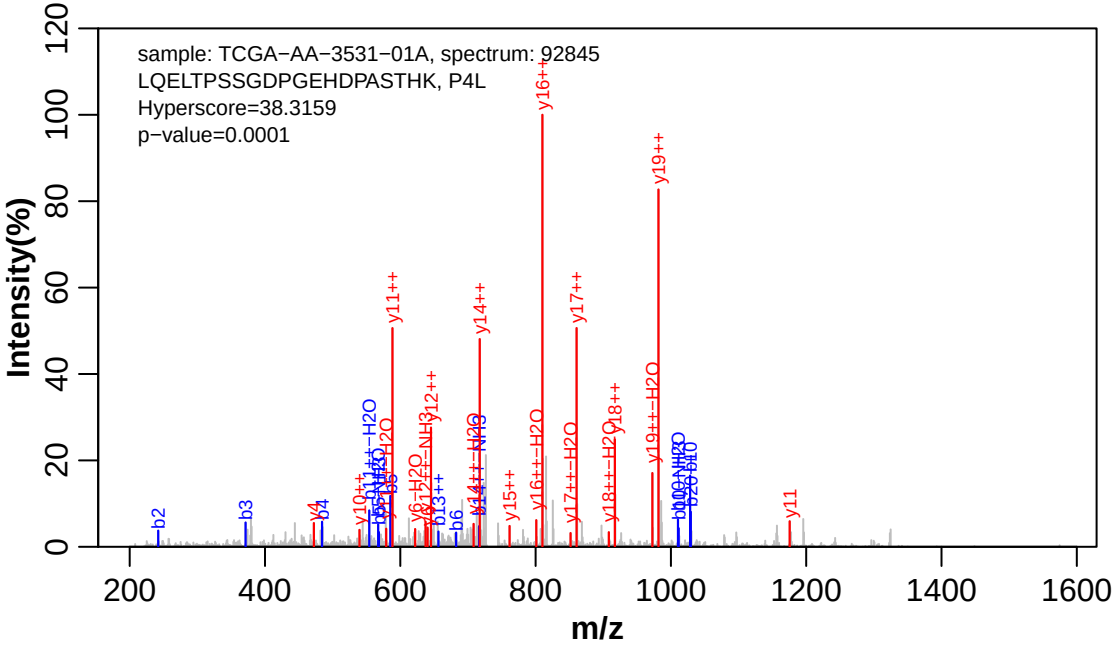

sample: TCGA−AA−3531−01A, spectrum: 142840
LCNNPAPQFGGK, T6A
Hyperscore=36.6248
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y8
y10
b6
b4
y4
y7
y9
b4−NH3
b8−NH3
b9−NH3
y3−NH3
b2−NH3
b2
b8
b9
b5
y3

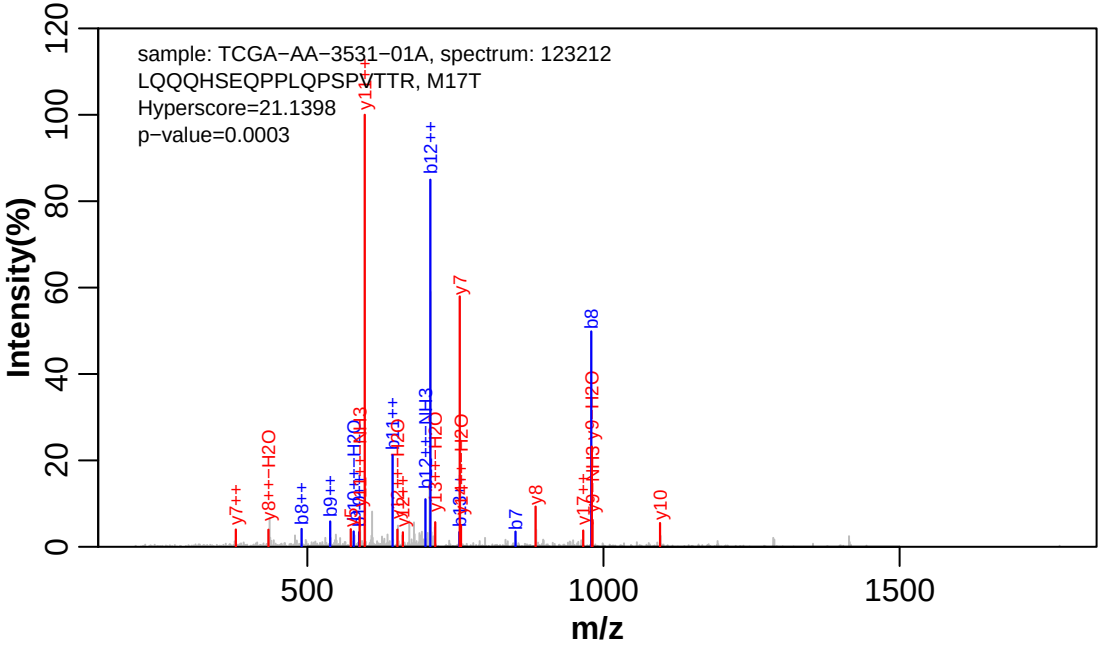

sample: TCGA−AA−3531−01A, spectrum: 4425
LDSTDFTSTLK, G8S
Hyperscore=24.1580
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5
y5
y6
y7
y8
y9
y10

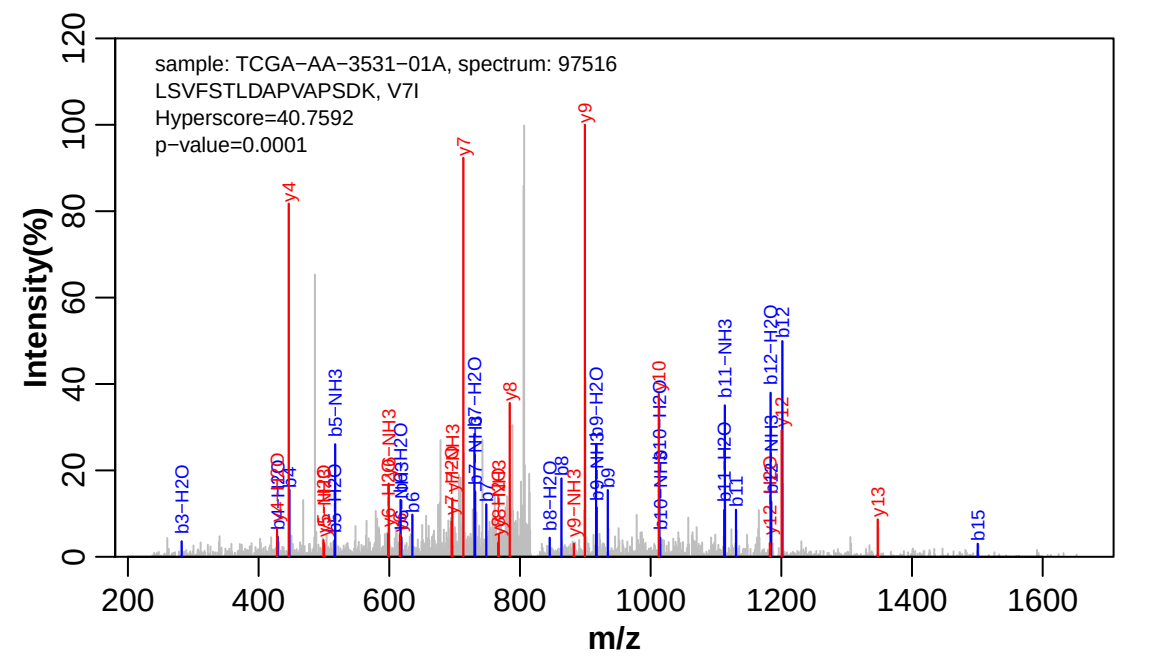

sample: TCGA−AA−3531−01A, spectrum: 47332
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=77.6139
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3−NH3
y3
b3
y4
b7++
y5
b10++
b11++
y6
b13++
y7
b12++
b5
y7−H2O
b14++
b10
b11
b12
b8
y10
b9
b17++−H2O
y9

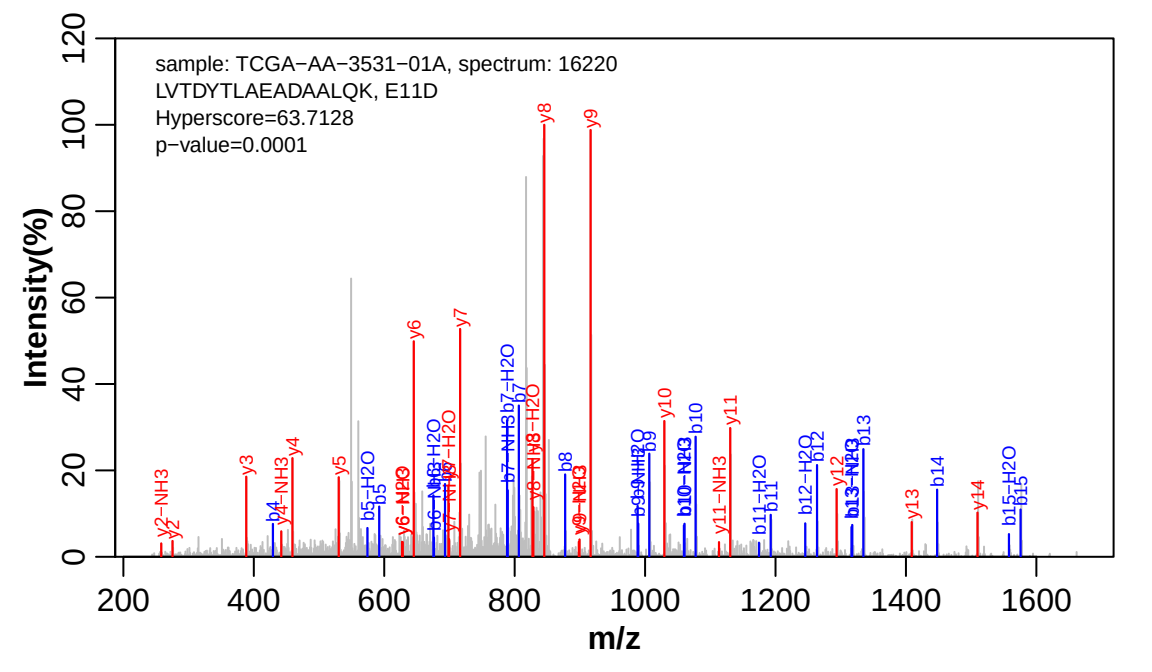

sample: TCGA−AA−3531−01A, spectrum: 87529
LGLTPEGQSYLDQFR, V3I
Hyperscore=33.0991
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
b4
y3
y4
b6
b7
y5−NH3
y5
b8−H2O
b8
y6
y7−NH3
y7
b10−H2O
b10
y8
y9
b11
y10
b12
y11−NH3
y11
y12

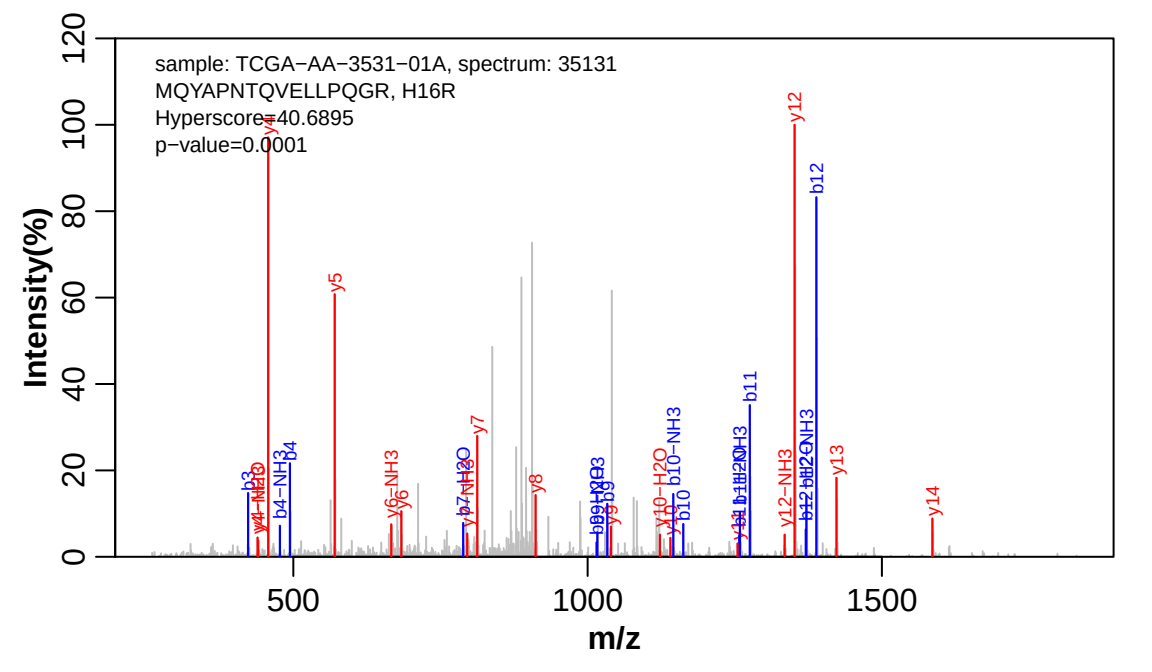

sample: TCGA−AA−3531−01A, spectrum: 102956
LPAEPLTR, E3A
Hyperscore=13.1472
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b4
y4
y5−NH3
y5
y6
y7

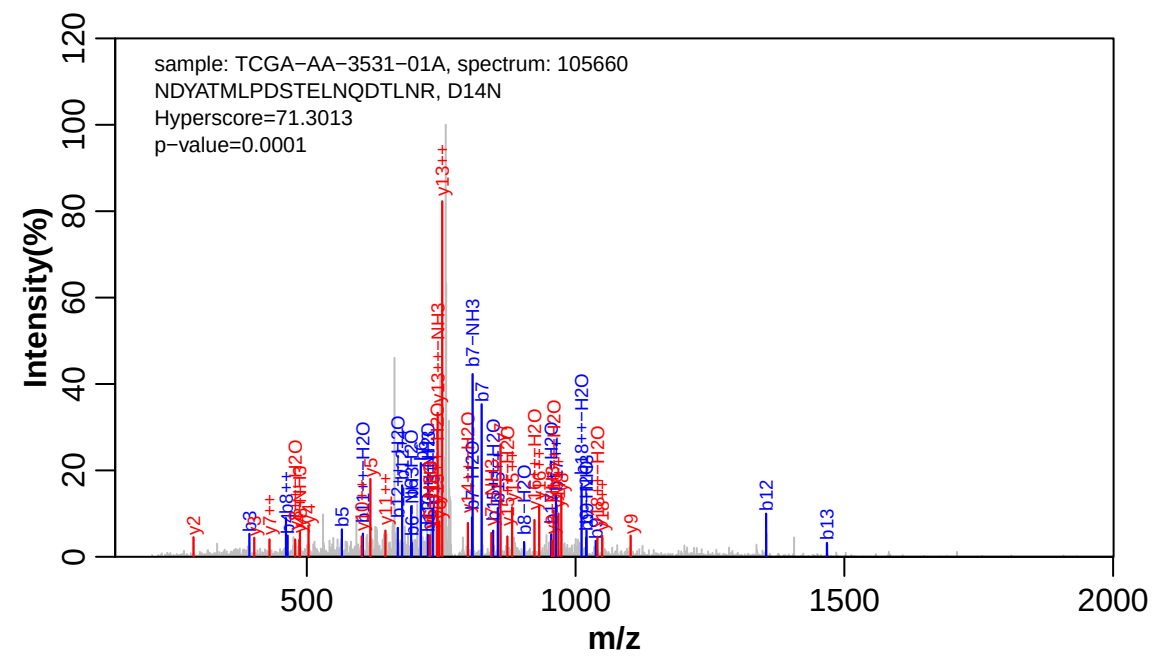

sample: TCGA−AA−3531−01A, spectrum: 92845
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=38.3159
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3
y4
b4
y10++
y11++
y11++−H2O
y12++
y12++−NH3
b13++
b6
y14++
y14++−NH3
y15++
y16++
y16++−H2O
y17++
y17++−H2O
y18++−H2O
y18++
y19++
y19++−H2O
y11

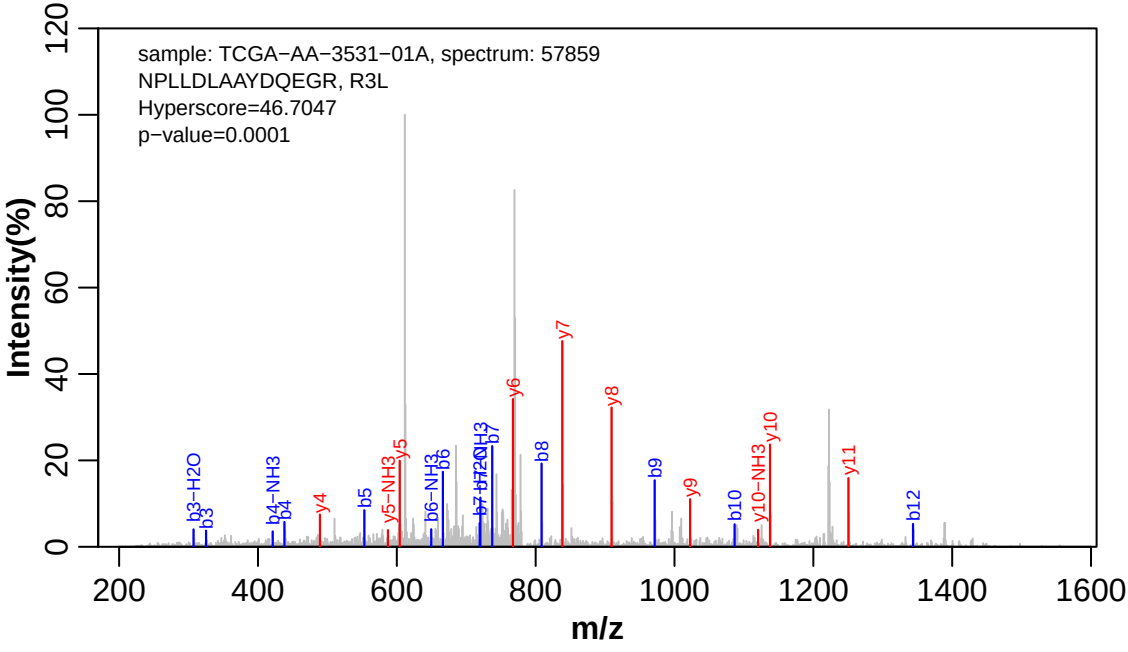

sample: TCGA−AA−3531−01A, spectrum: 123212
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.1398
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7++
y8++−H2O
b8++
b9++
y11++
b11++
b12++
b12++−NH3
y13++−H2O
y7
b8
y8
b7
y10

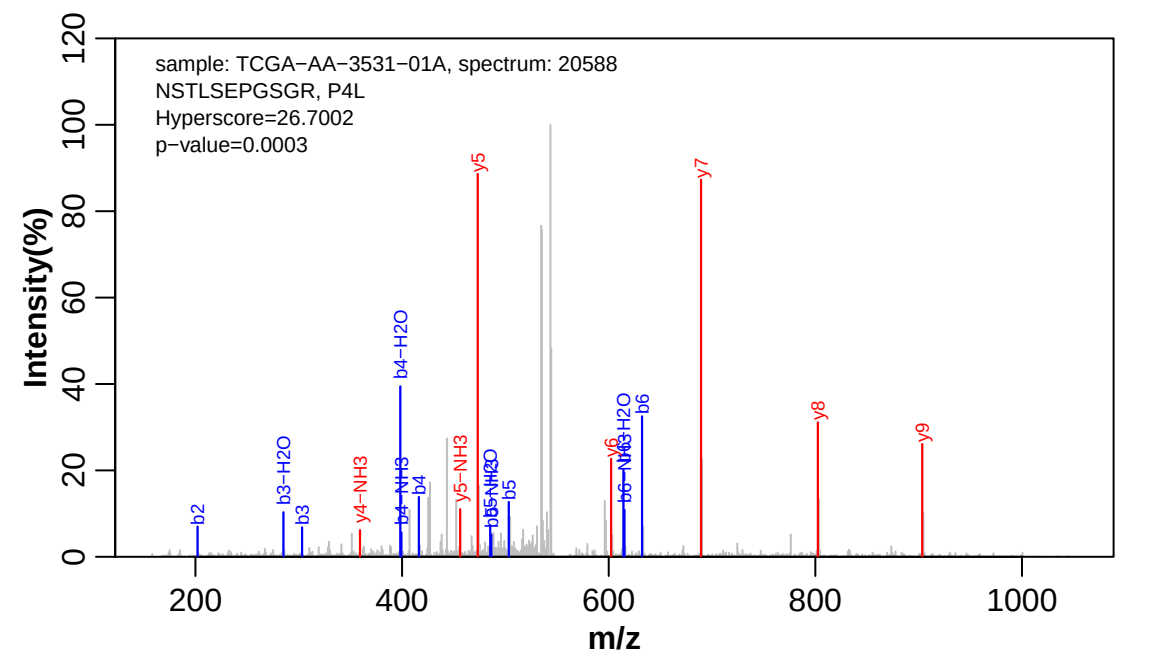

sample: TCGA−AA−3531−01A, spectrum: 97516
LSVFSTLDAPVAPSDK, V7I
Hyperscore=40.7592
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y7
y4
y8
y13
b15
b12
b12−H2O
b11−NH3
b11−H2O
b11
b10−NH3
b10−H2O
b10
b9−NH3
b9−H2O
b9
b8−H2O
b8
b7−NH3
b7−H2O
b7
b6
b5−NH3
b5−H2O
b5
b4−NH3
b4−H2O
b4
b3−H2O
y12
y12−H2O
y12−NH3
y10
y9−NH3
y8−H2O
y8
y7−NH3
y7−H2O
y7
y6−NH3
y6−H2O
y6
y5−NH3
y5−H2O
y5

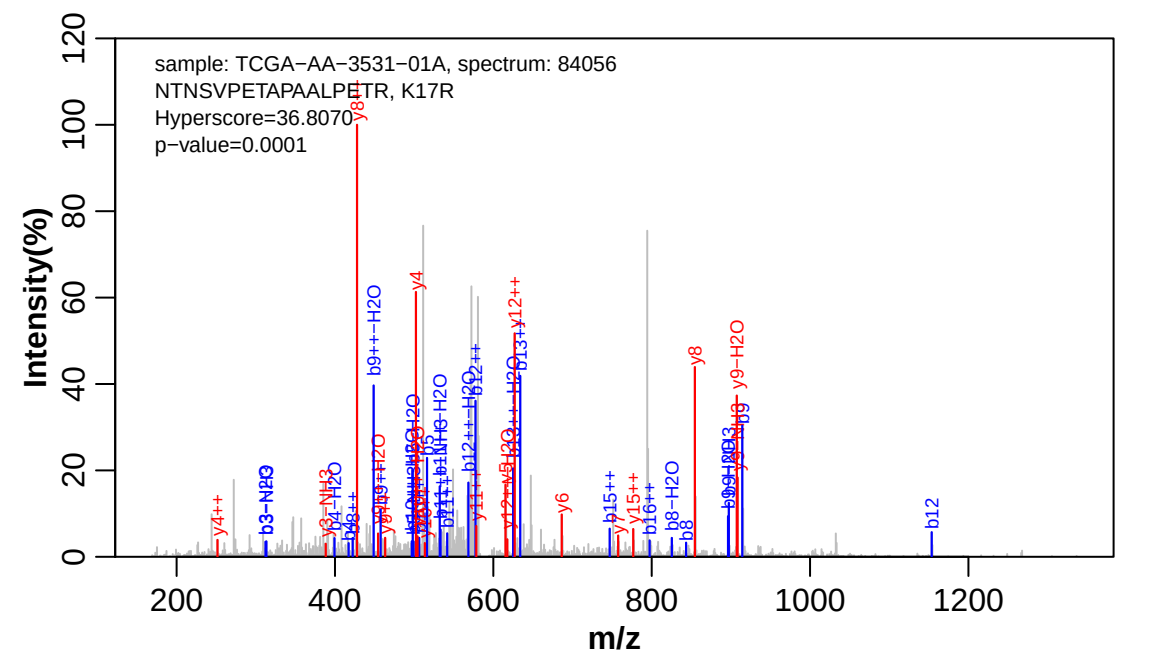

sample: TCGA−AA−3531−01A, spectrum: 16220
LVTDYTLAEADAALQK, E11D
Hyperscore=63.7128
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y8
y9
y6
y7
y3
y4
y5
y10
y11
y12
y13
y14
b10
b11
b12
b13
b14
b15
b5
b6
b7
b8
b9
y2
y2−NH3
y4−NH3
b5−H2O
b6−H2O
b7−H2O
y8−H2O
y11−NH3
b11−H2O
b12−H2O
b15−H2O

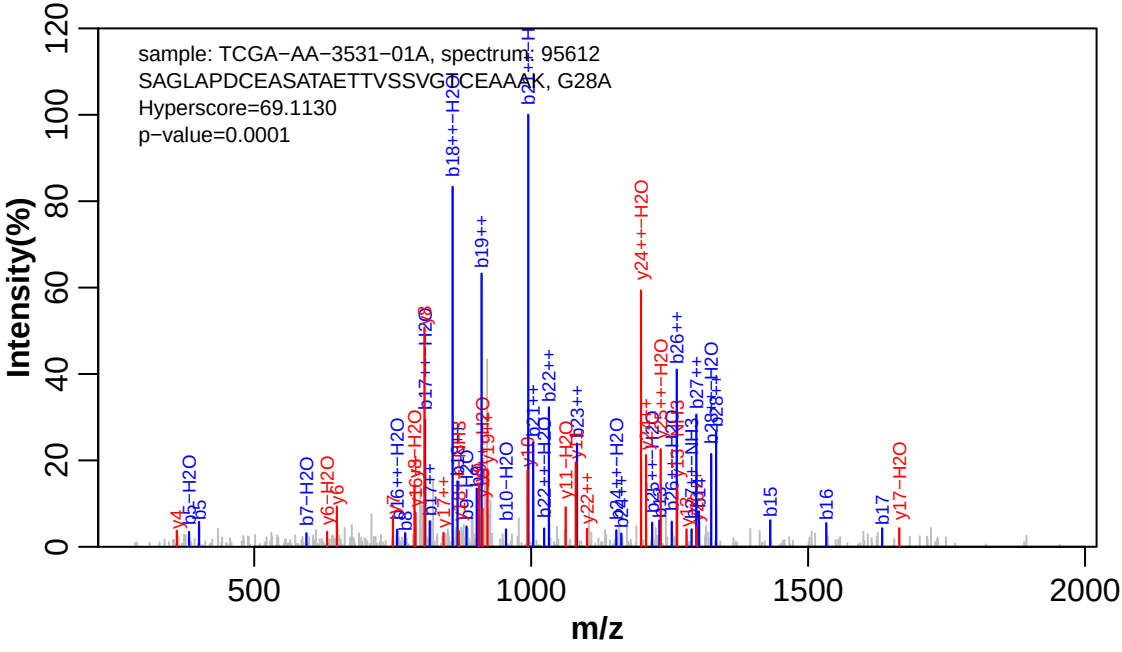

sample: TCGA−AA−3531−01A, spectrum: 35131
MQYAPNTQVELLPQGR, H16R
Hyperscore=40.6895
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y8
y12
b12
b11
b4
b3
y13
y14

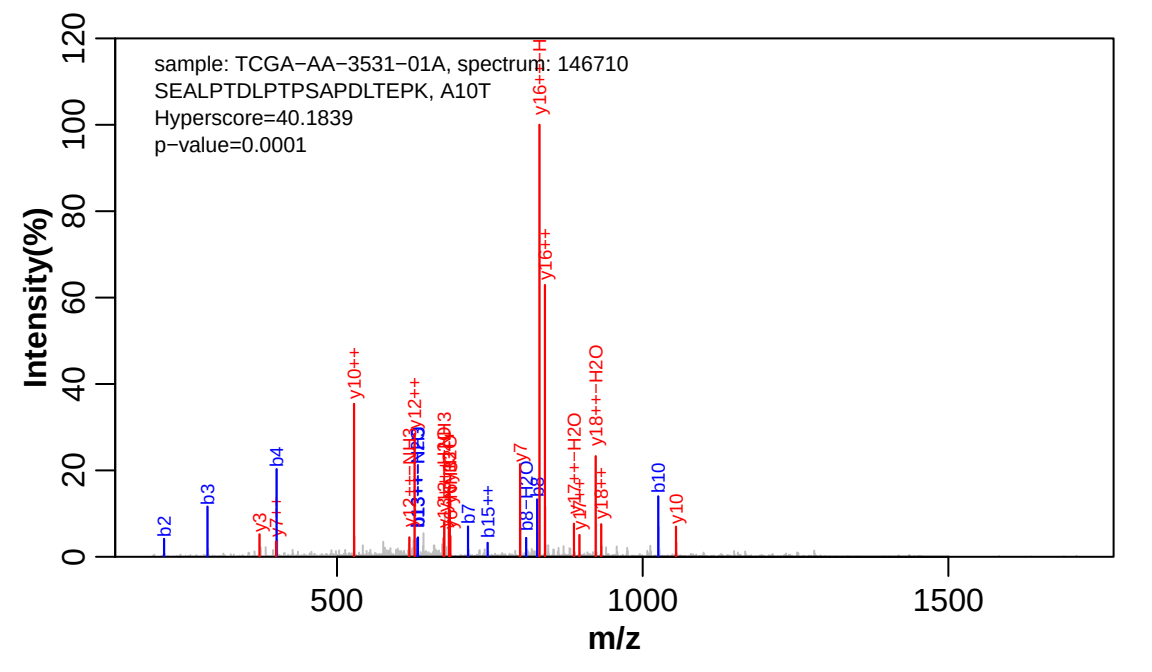

sample: TCGA−AA−3531−01A, spectrum: 105660
NDYATMLPDSTELNQDTLNR, D14N
Hyperscore=71.3013
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b3
y7++
b5
y13++
b7−NH3
b7
b8−H2O
b12
b13
y9

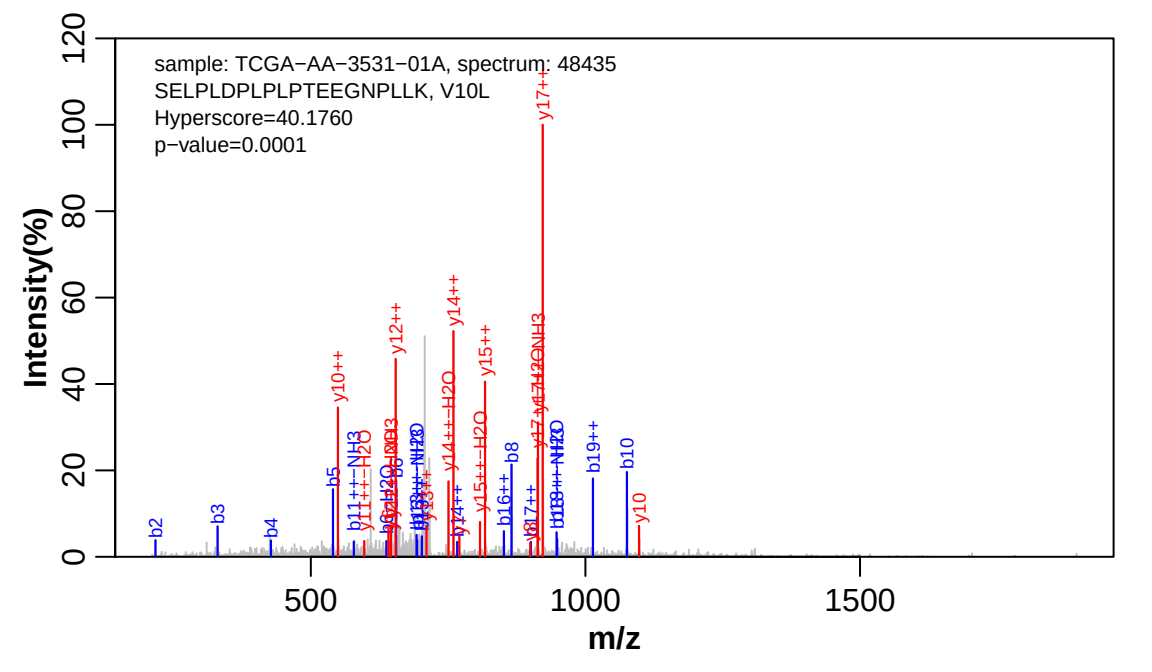

sample: TCGA−AA−3531−01A, spectrum: 57859
NPLLDLAAYDQEGR, R3L
Hyperscore=46.7047
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
b4−NH3
b4
y4
b5
y5−NH3
y5
b6−NH3
b6
b7−H2O
b7−NH3
b7
y6
y7
b8
y8
b9
y9
b10
y10−NH3
y10
y11
b12

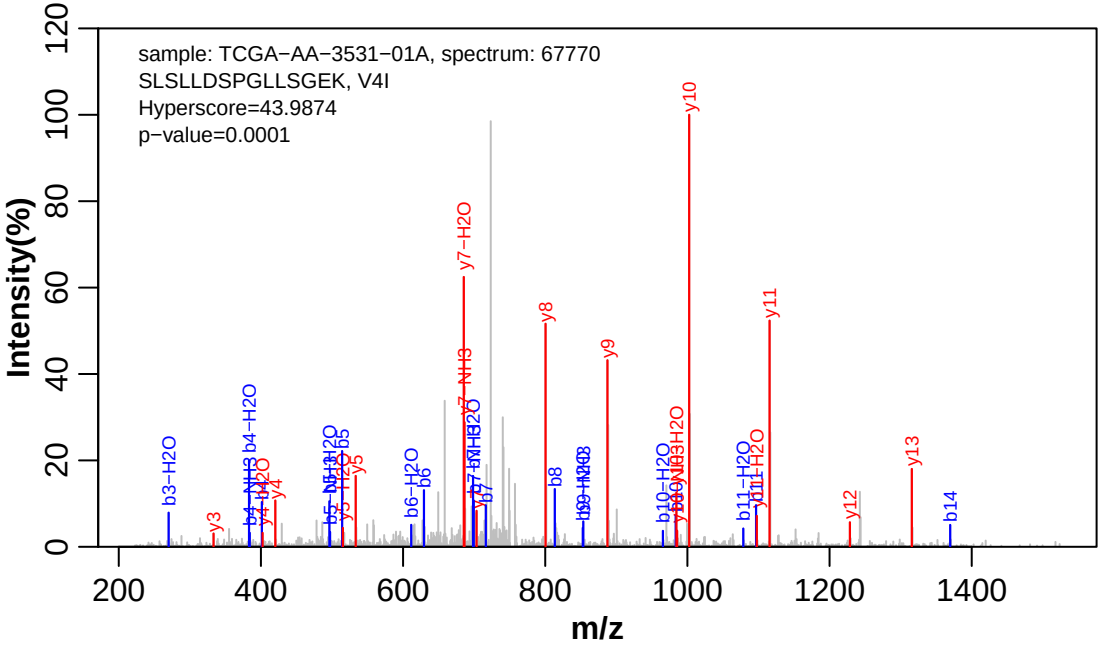

sample: TCGA−AA−3531−01A, spectrum: 20588
NSTLSEPGSGR, P4L
Hyperscore=26.7002
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y4−NH3
b4−NH3
b4
b4−H2O
y5
y5−NH3
b5−NH3
b5−H2O
b5
y6
b6−NH3
b6−H2O
b6
y7
y8
y9

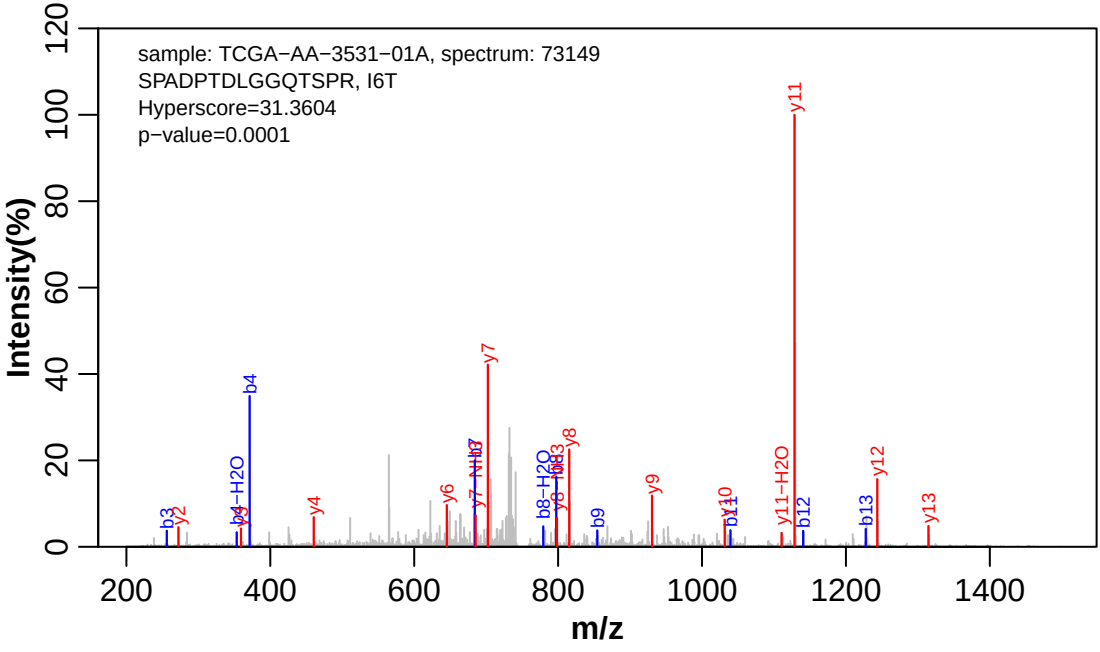

sample: TCGA−AA−3531−01A, spectrum: 84056
NTNSVPETAPAALPETR, K17R
Hyperscore=36.8070
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y8++
y4++
y4
b9++−H2O
y6
y8
y9−H2O
b12
b12++
b15++
y15++
b16++
b8−H2O
b8
y12++
b13++

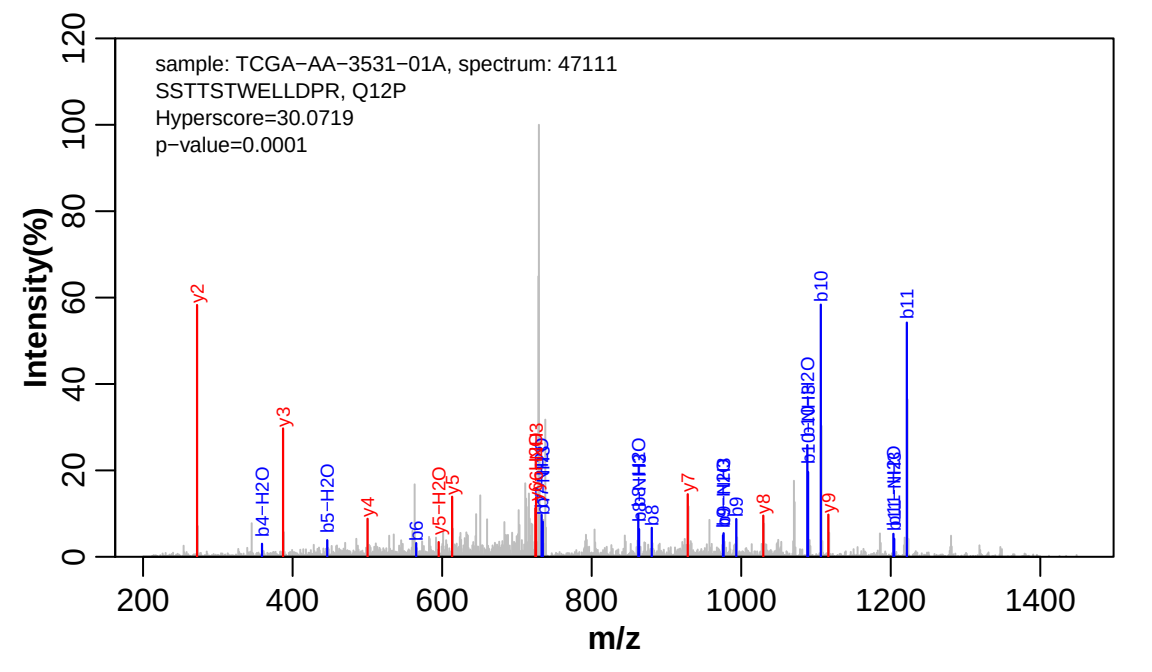

sample: TCGA−AA−3531−01A, spectrum: 95612
SAGLAPDCEASATAETTVSSVGDCEAAAK, G28A
Hyperscore=69.1130
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++−H
b18++−H2O
b19++
y24++−H2O
b22++
b23++
y22++
b24++−H2O
b26++
b27++
b28++−H2O
b15
b16
b17
y17−H2O
b7−H2O
y6−H2O
y4
b5
b10−H2O
y11−H2O
b22++−H2O
b17++−H2O
b9++−H2O
b8++−H2O
b6++−H2O
b7++
y19++
y21++
y23++
y25++
y26++
y27++
y28++
y29++
y30++
y31++
y32++
y33++
y34++
y35++
y36++
y37++
y38++
y39++
y40++
y41++
y42++
y43++
y44++
y45++
y46++
y47++
y48++
y49++
y50++
y51++
y52++
y53++
y54++
y55++
y56++
y57++
y58++
y59++
y60++
y61++
y62++
y63++
y64++

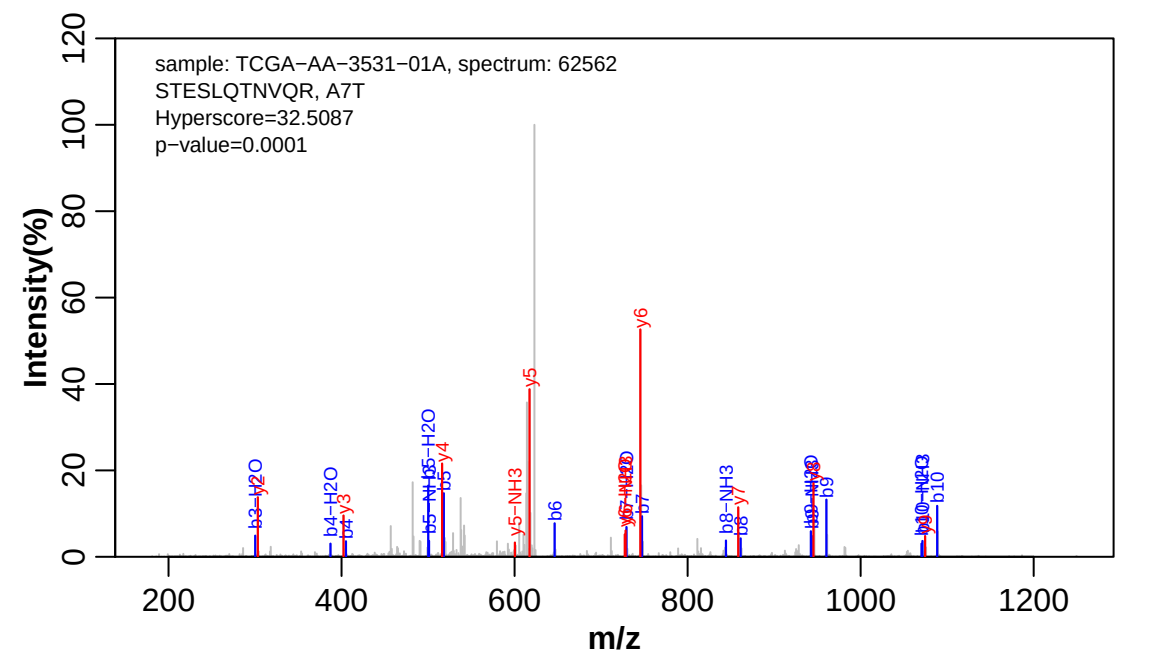

sample: TCGA−AA−3531−01A, spectrum: 146710
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=40.1839
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
y3
y2++
b4
y10++
b7
b15++
y7
b8−H2O
b8
y17++−H2O
y18++
y18++−H2O
b10
y10
y16++−H

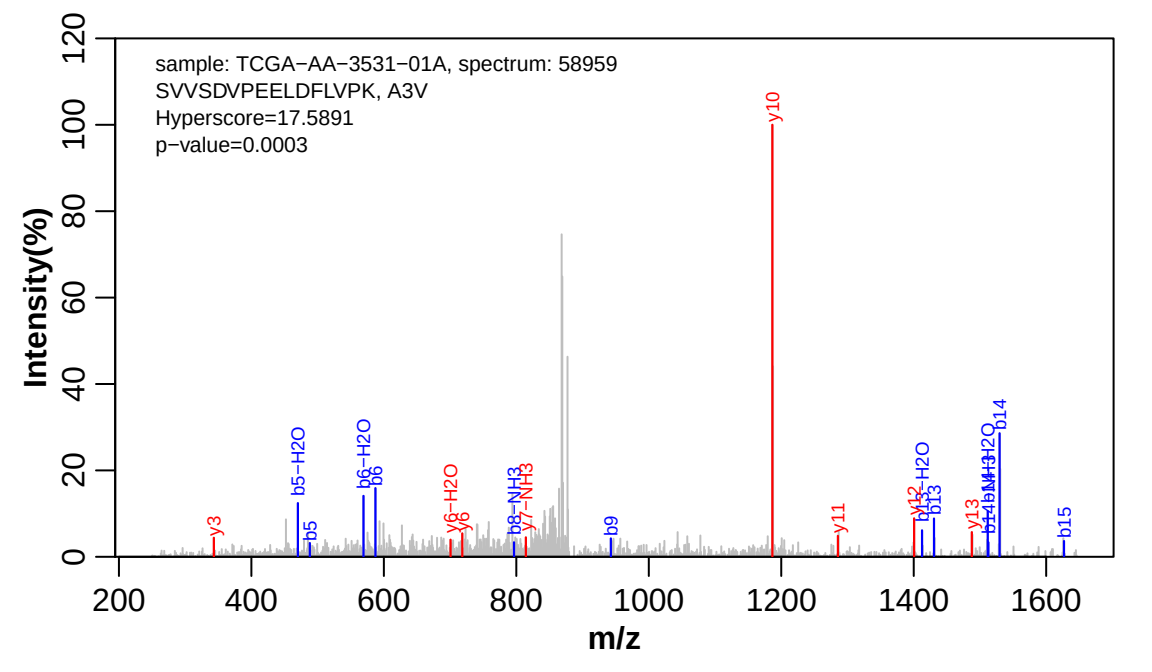

sample: TCGA−AA−3531−01A, spectrum: 48435
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=40.1760
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b4
b5
y10++
y11++−NH3
y11++−H2O
y12++
y14++
y14++−H2O
y15++
y15++−H2O
b8
b16++
y17++
y17++−NH3
b19++
b10
y10

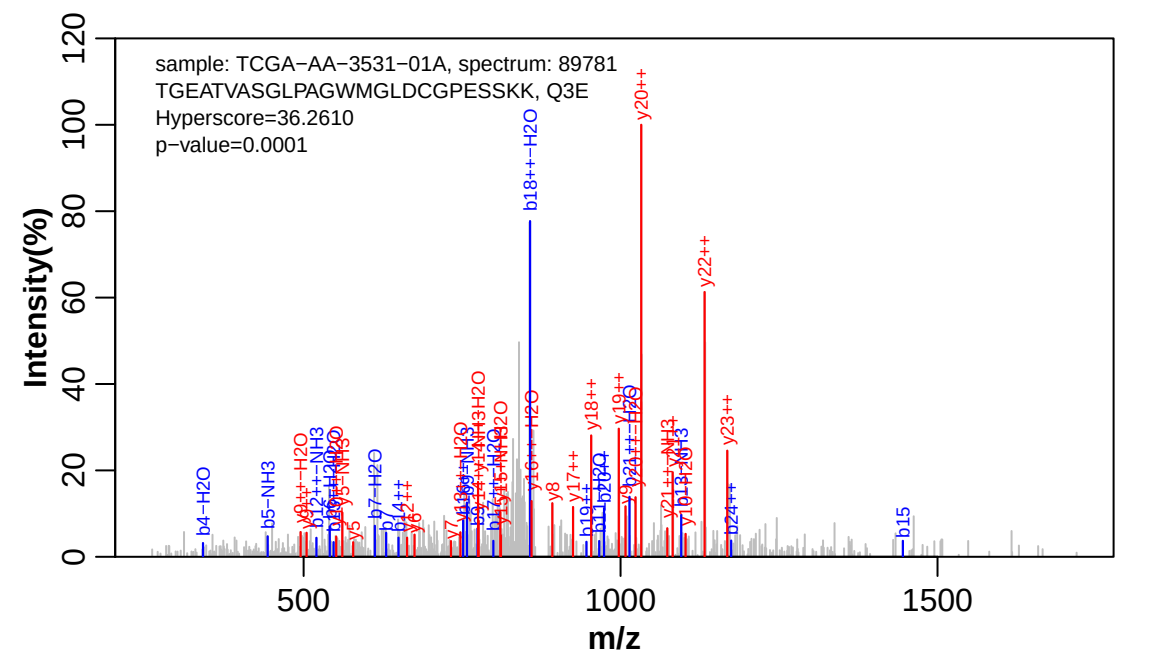

sample: TCGA−AA−3531−01A, spectrum: 67770
SLSLLDSPGLLSGEK, V4I
Hyperscore=43.9874
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10
y7−H2O
y8
y11
y9
y13
b3−H2O
b4−H2O
b6−H2O
b10−H2O
b11−H2O
y12
b14
y3
y4
y5
b6
b8

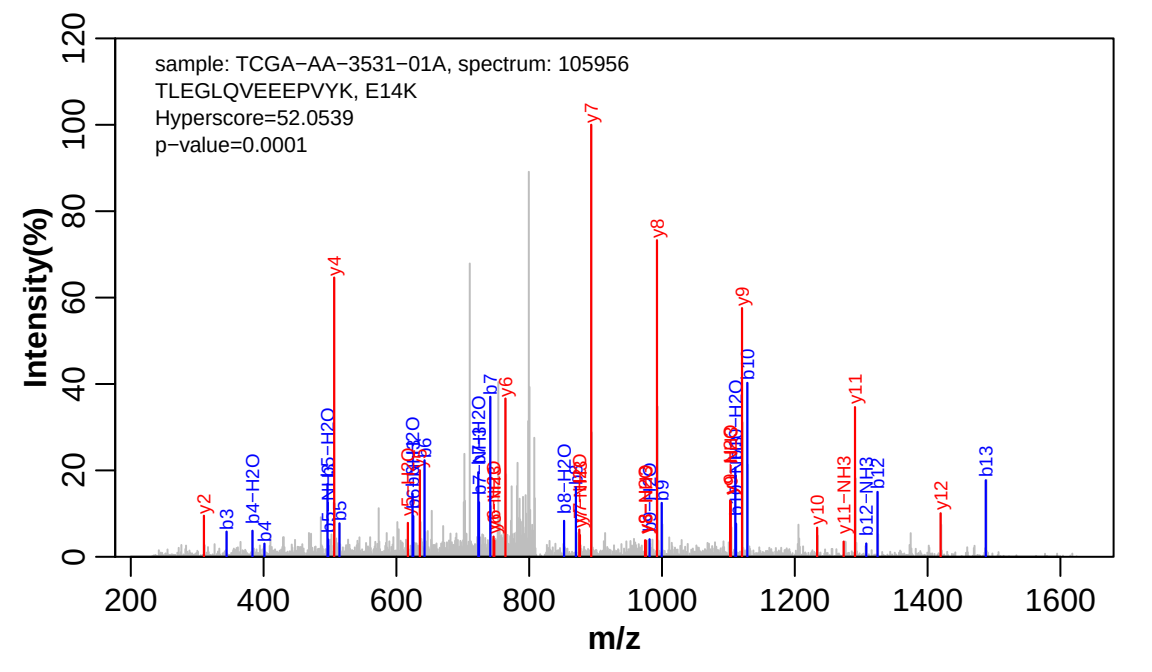

sample: TCGA−AA−3531−01A, spectrum: 73149
SPADPTDLGGQTSPR, I6T
Hyperscore=31.3604
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
b4
b4−H2O
y4
y6
y7
y7−NH3
y7
b8−H2O
b8−NH3
y8
b9
y9
b10
y10
y11−H2O
b12
y11
b13
y12
y13

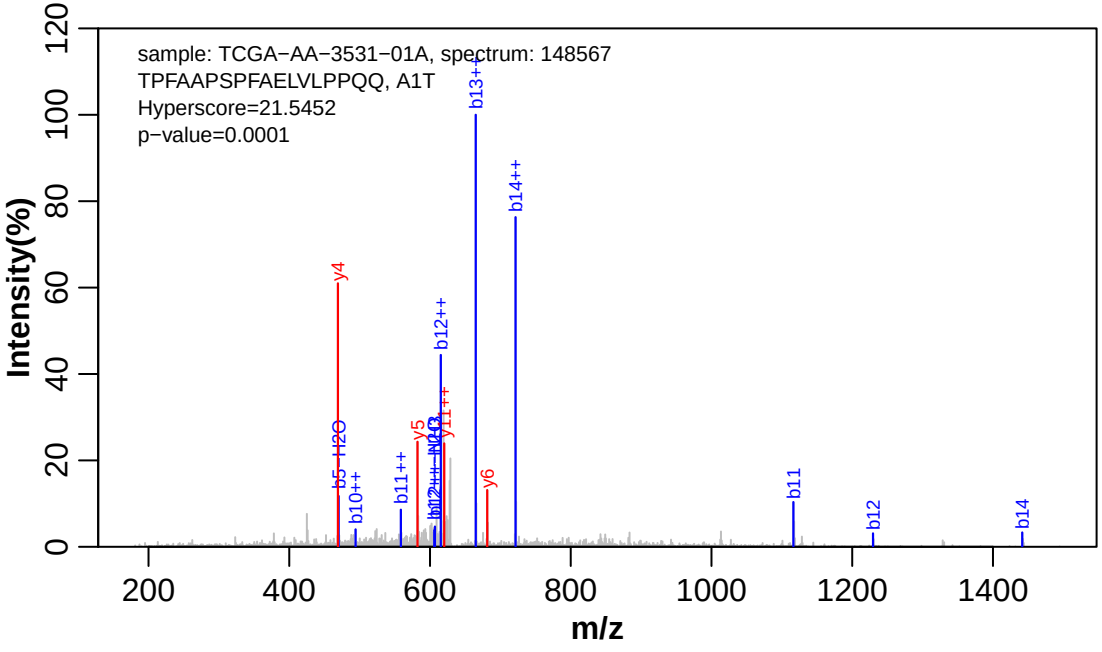

sample: TCGA−AA−3531−01A, spectrum: 47111
SSTTSTWELLDPR, Q12P
Hyperscore=30.0719
p−value=0.0001
Intensity(%)
m/z
y2
y3
b4−H2O
b5−H2O
y4
b6
y5−H2O
y5
y7
b8
y8
b9
y9
b10
b11

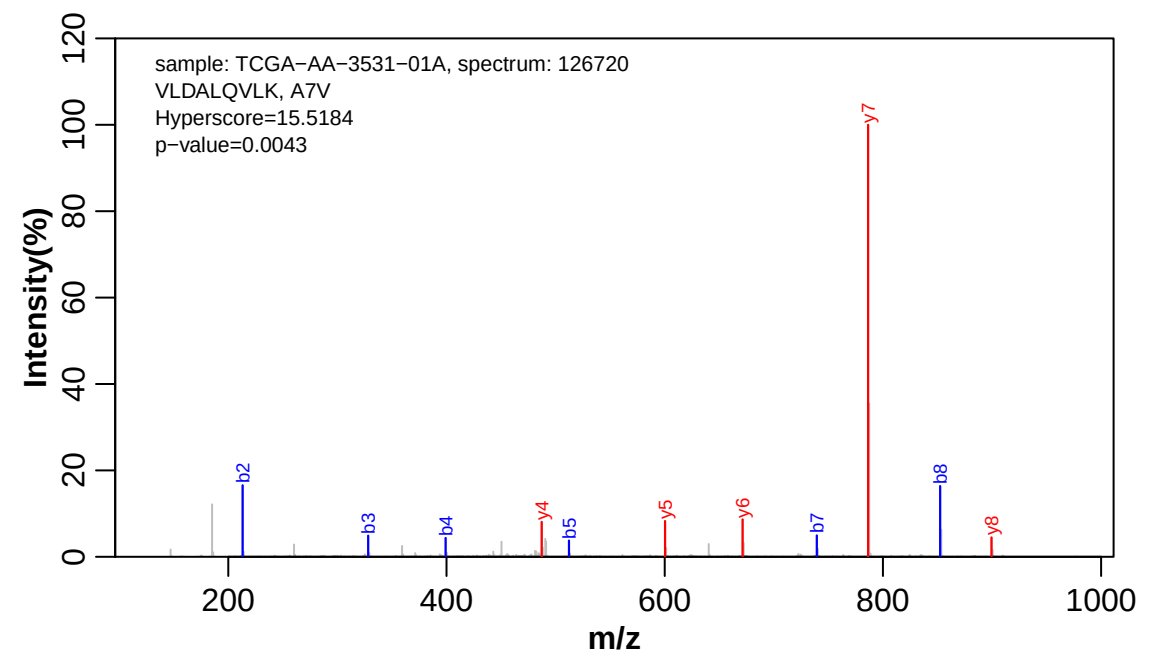

sample: TCGA−AA−3531−01A, spectrum: 62562
STESLQTNVQR, A7T
Hyperscore=32.5087
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y2
b4−H2O
b4
y3
b5−NH3
b5−H2O
b5
y4
y5−NH3
y5
b6
y6
b7
b8−NH3
b8
y7
b9
b10
b10−NH3

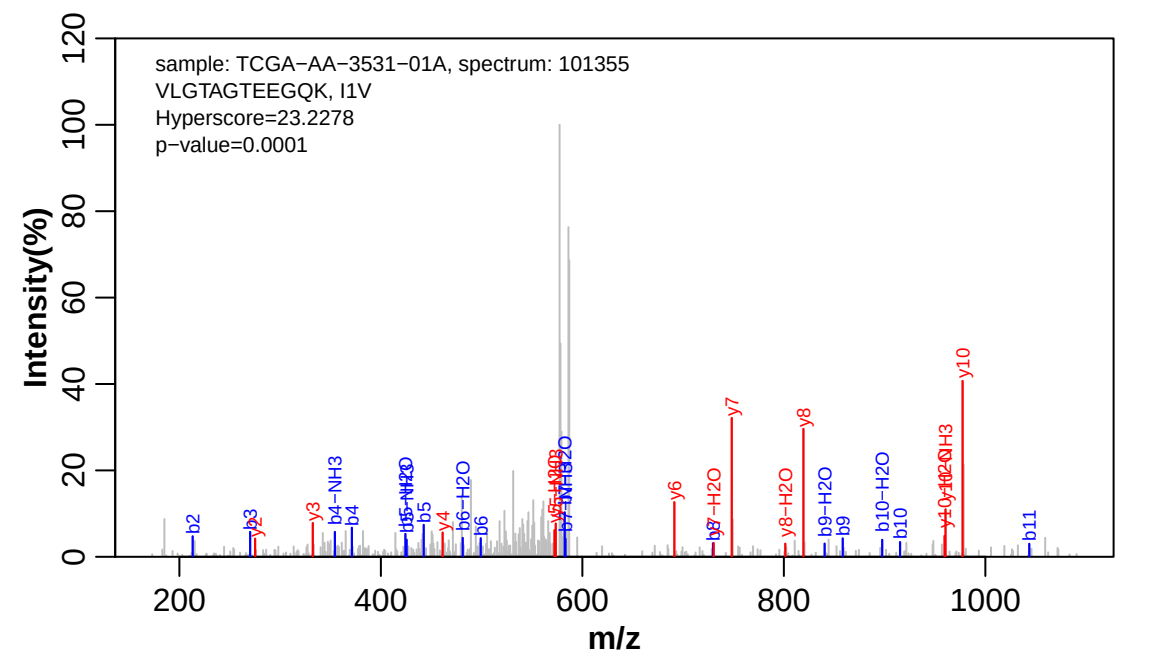

sample: TCGA−AA−3531−01A, spectrum: 58959
SVVSDVPEELDFLVPK, A3V
Hyperscore=17.5891
p−value=0.0003
Intensity(%)
m/z
y10
y3
b5−H2O
b5
b6−H2O
b6
y6−H2O
y6
b8−NH3
y7−NH3
b9
y11
y12
y12−H2O
b13
y13
b14
b15

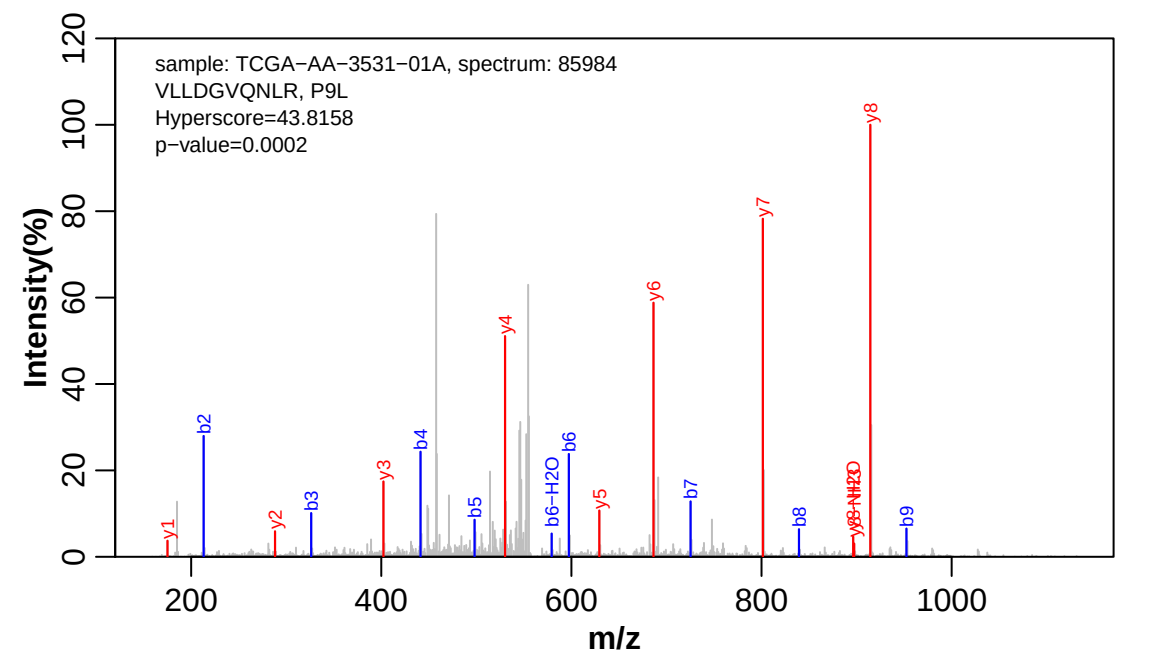

sample: TCGA−AA−3531−01A, spectrum: 89781
TGEATVASGLPAGWMGLDCGPESSKK, Q3E
Hyperscore=36.2610
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4−H2O
b5−NH3
y9++−H2O
b12++−NH3
y5
b7−H2O
b7
b14++
y6
y7
b13++−NH3
b14++−H2O
b15++−H2O
y16++−H2O
b18++−H2O
y20++
y8
y17++
y18++
b19++
b11−H2O
y21++−H2O
y19++
y21++−NH3
y10−H2O−NH3
y22++
y23++
b24++
b15

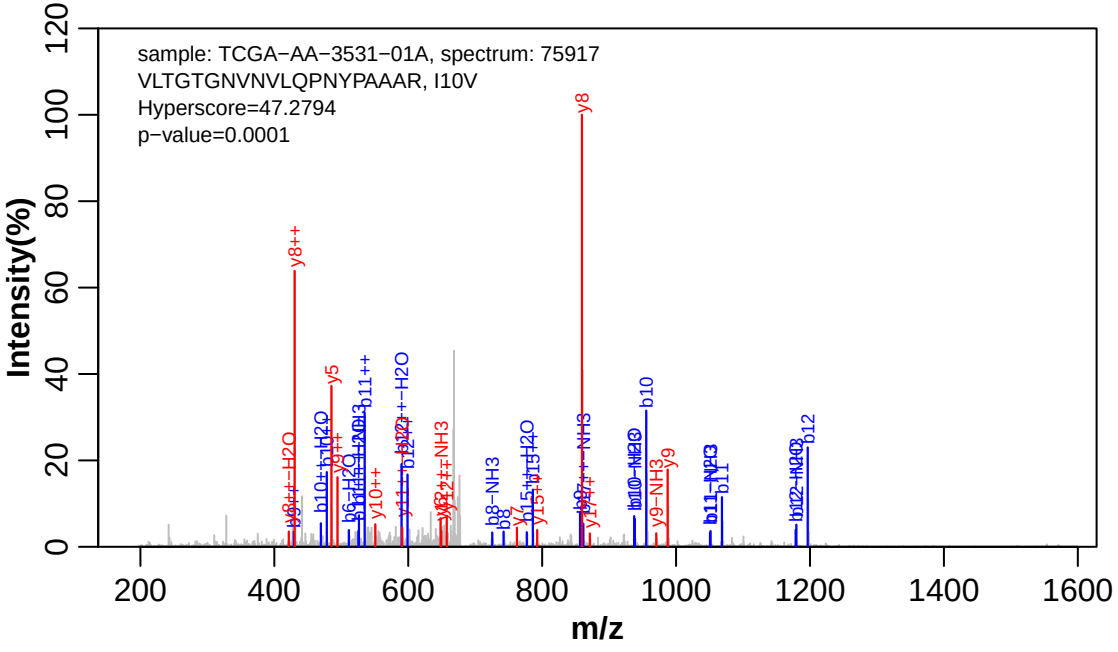

sample: TCGA−AA−3531−01A, spectrum: 105956
TLEGLQVEEEPVYK, E14K
Hyperscore=52.0539
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y8
y4
y9
y6
y11
b7
b10
b13
y2
b3
b4−H2O
b4
b5
y10
y11−NH3
b12−NH3
b12
y12

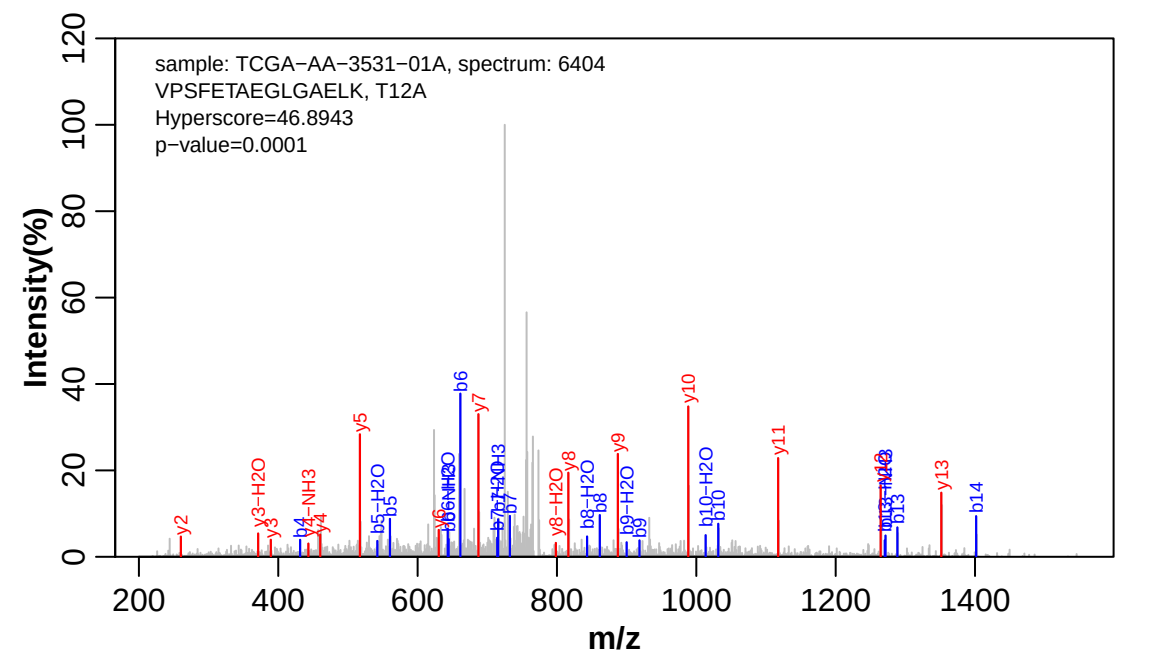

sample: TCGA−AA−3531−01A, spectrum: 148567
TPFAAPSPFAELVLPPQQ, A1T
Hyperscore=21.5452
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
b5−H2O
b10++
b11++
y5
b12++
y11++
y6
b13++
b14++
b11
b12
b14

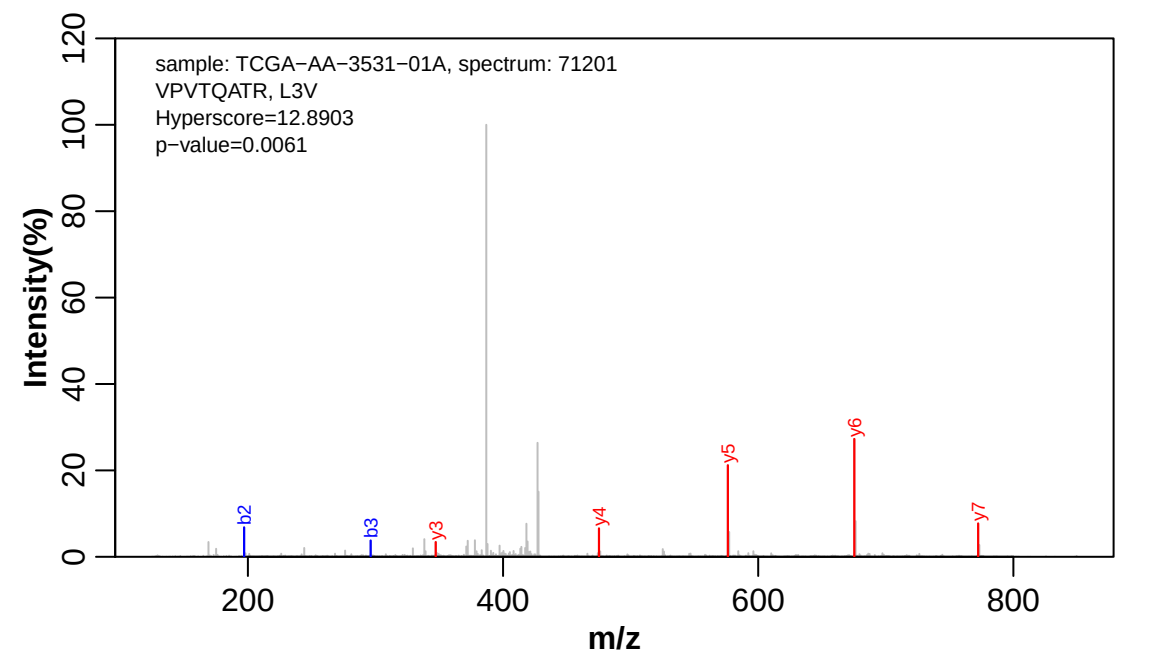

sample: TCGA−AA−3531−01A, spectrum: 126720
VLDALQVLK, A7V
Hyperscore=15.5184
p−value=0.0043
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b2
b3
b4
y4
b5
y5
y6
b7
y7
b8
y8

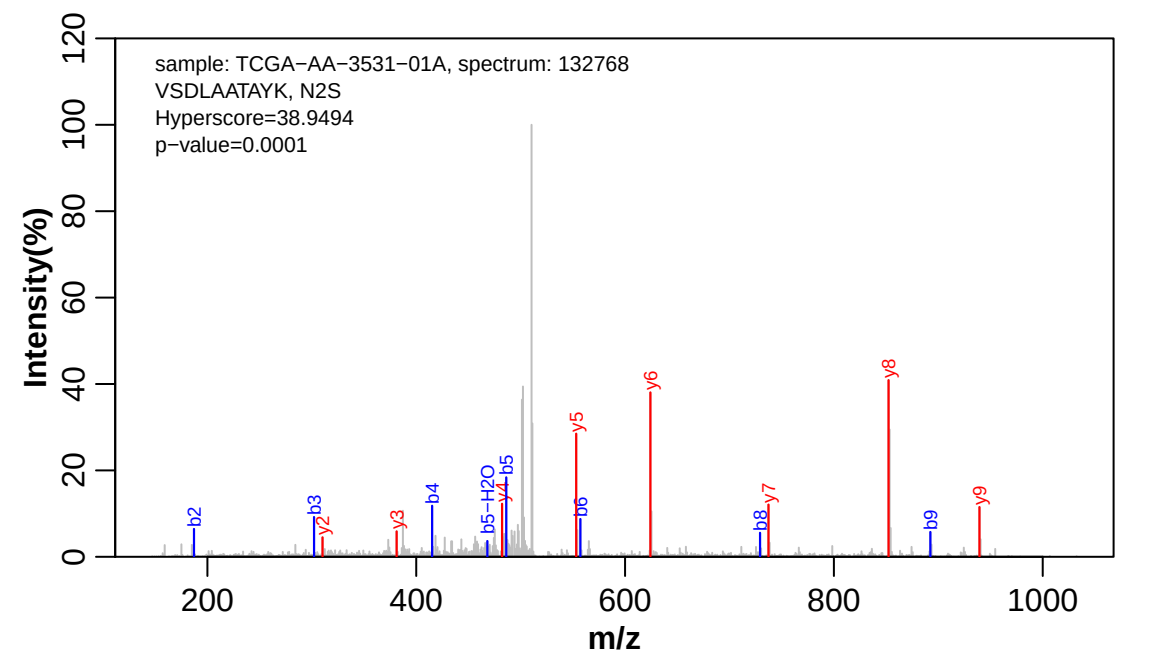

sample: TCGA−AA−3531−01A, spectrum: 101355
VLGTAGTEEGQK, I1V
Hyperscore=23.2278
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
b3
y3
b4−NH3
b4
b5−NH3
b5−H2O
b5
y4
b6−H2O
b6
y6
b7−H2O
y7
b8−H2O
y8
b9−H2O
b9
b10−H2O
b10
y10
b11

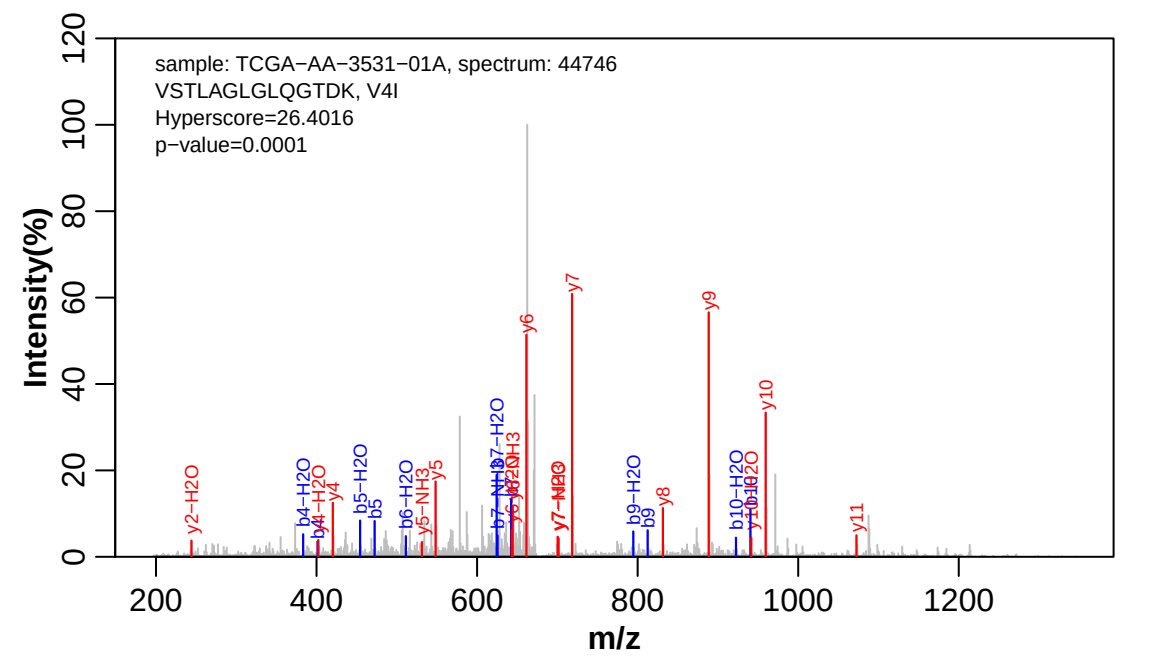

sample: TCGA−AA−3531−01A, spectrum: 85984
VLLDGVQNLR, P9L
Hyperscore=43.8158
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3
y3
b4
b5
y4
b6−H2O
b6
y5
y6
b7
b8
y7
y8
b9

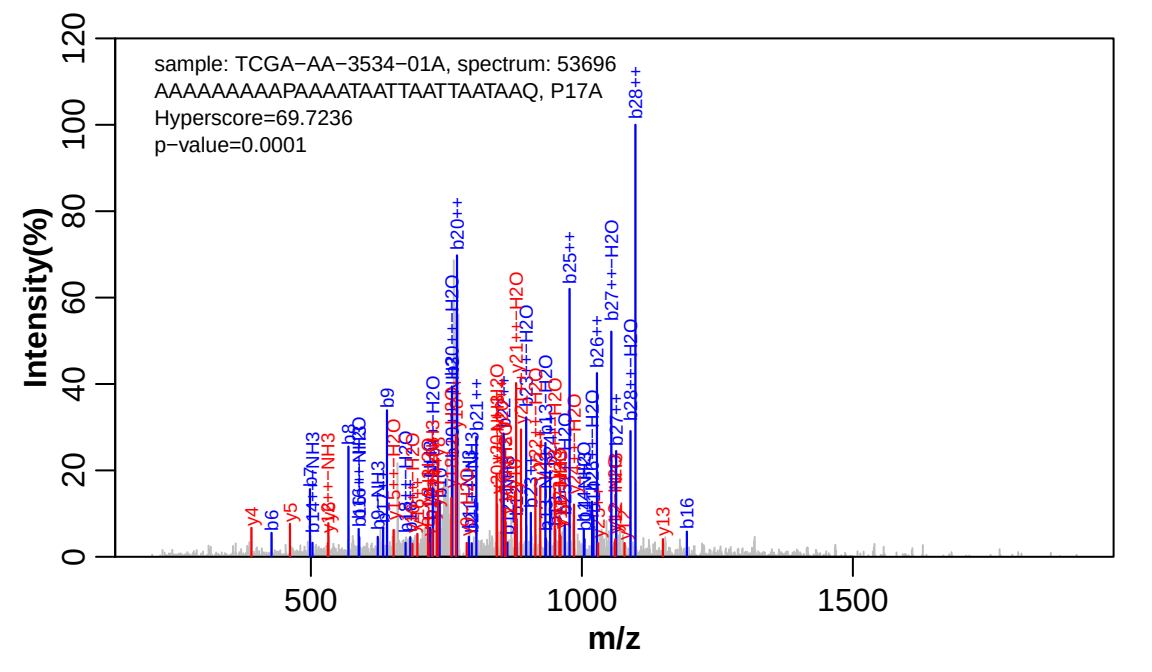

sample: TCGA−AA−3531−01A, spectrum: 75917
VLTGTGNVNVLQPNYPAAAR, I10V
Hyperscore=47.2794
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y8
y8++
y5
y10++
b11++
b10
b12
y9
y9−NH3
b8−NH3

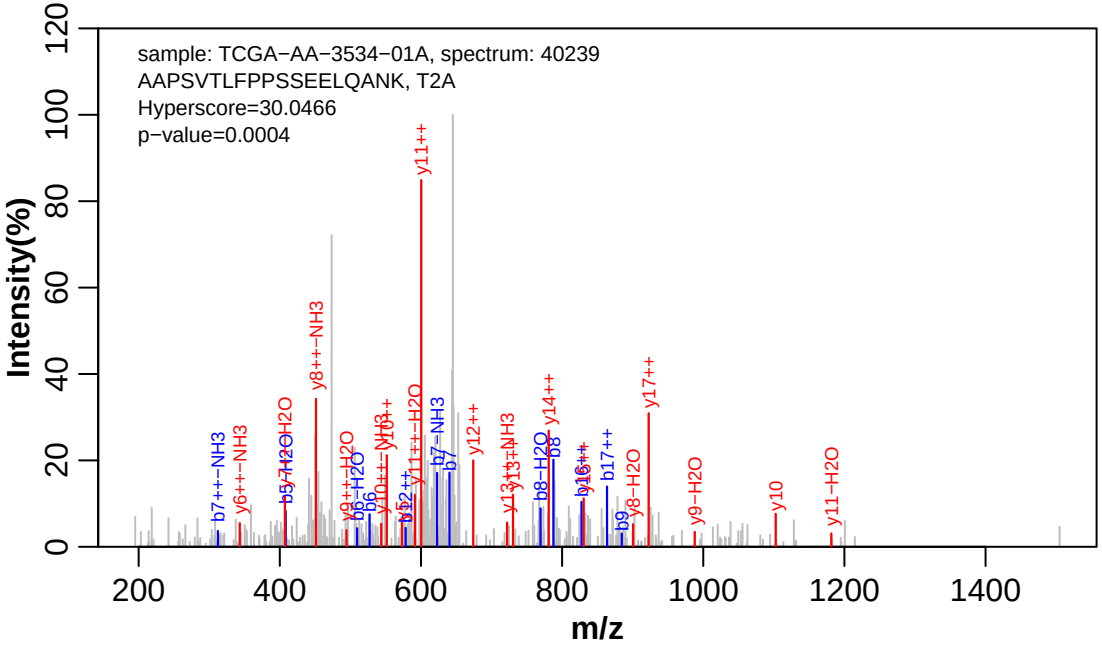

sample: TCGA−AA−3531−01A, spectrum: 6404
VPSFETAEGLGAELK, T12A
Hyperscore=46.8943
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
y3−H2O
b4
b4−NH3
y4
y5
b5
b5−H2O
y6
b6
b6−NH3
b6−H2O
y7
b7
b7−NH3
b7−H2O
y8
y8−H2O
b8
b8−H2O
y9
b9
b9−H2O
y10
b10
b10−H2O
y11
b13
b13−NH3
b13−H2O
y13
b14

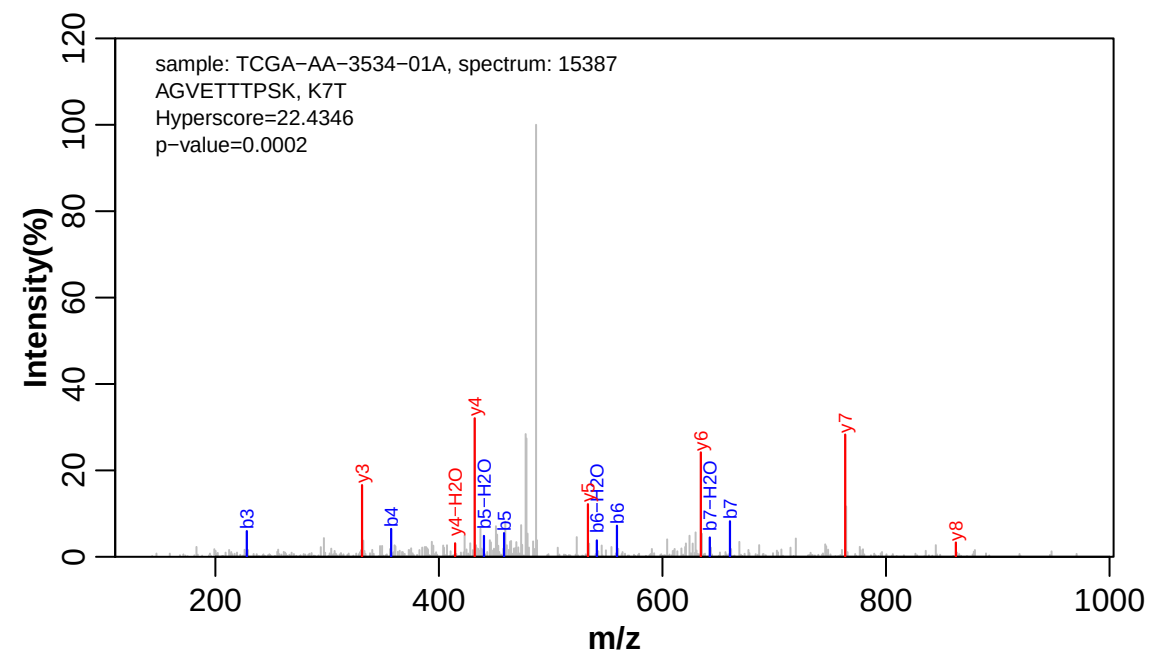

sample: TCGA−AA−3531−01A, spectrum: 71201
VPVTQATR, L3V
Hyperscore=12.8903
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3
y4
y5
y6
y7

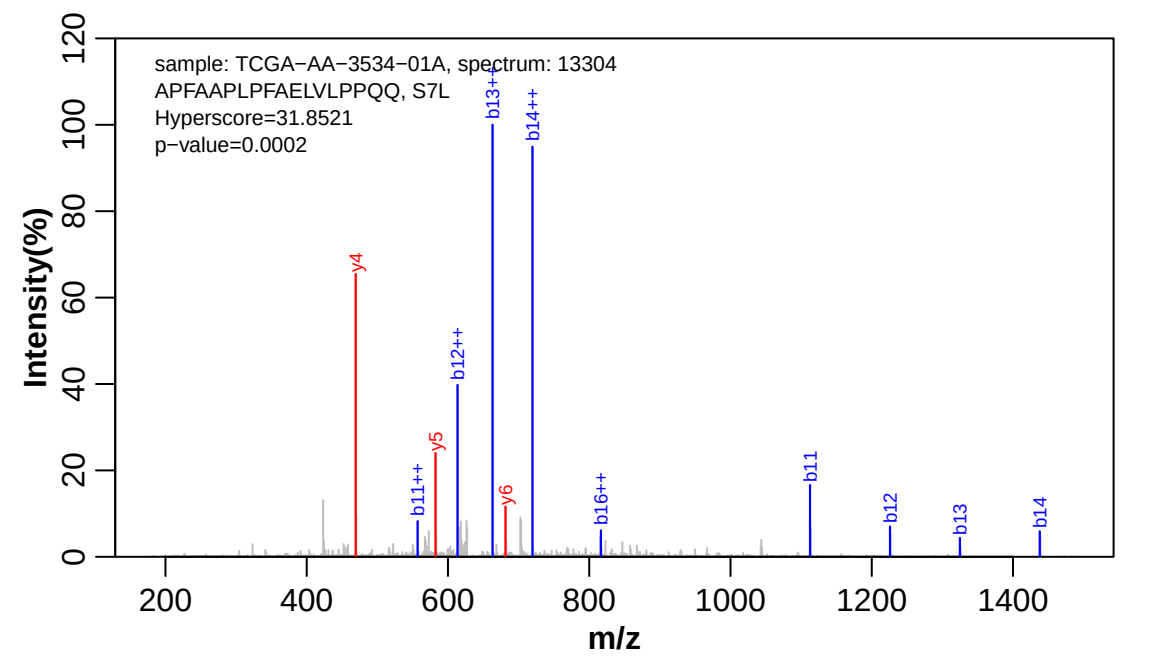

sample: TCGA−AA−3531−01A, spectrum: 132768
VSDLAATAYK, N2S
Hyperscore=38.9494
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
y2
y3
b4
b5−H2O
y4
b5
y5
b6
y6
b8
y7
y8
b9
y9

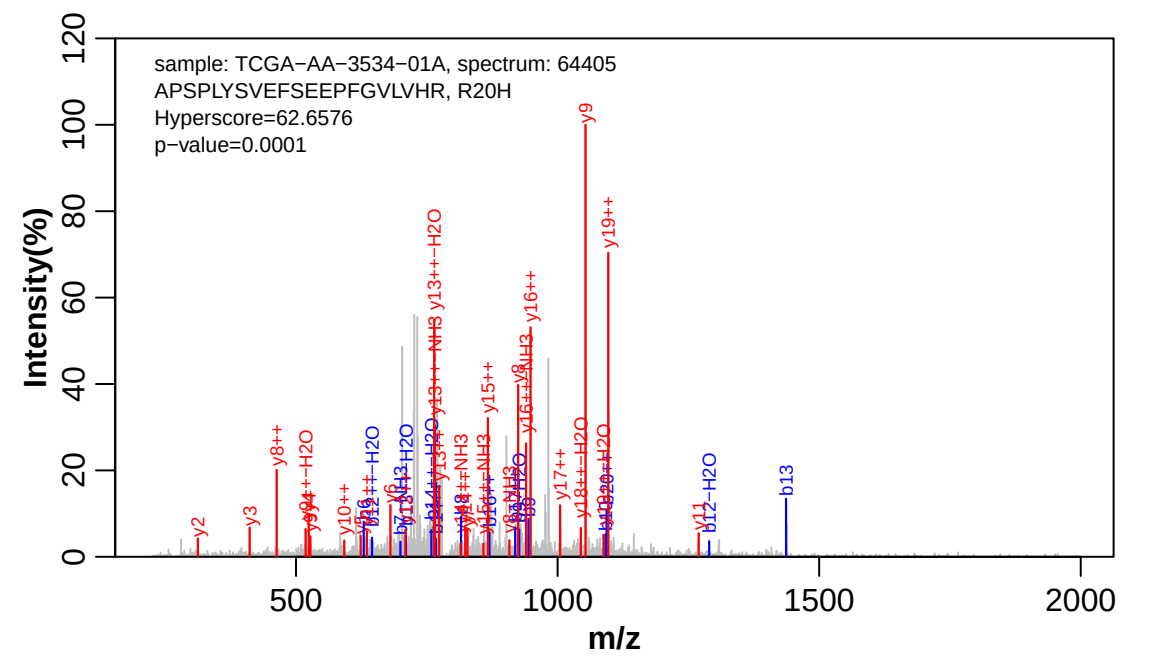

sample: TCGA−AA−3531−01A, spectrum: 44746
VSTLAGLGLQGTDK, V4I
Hyperscore=26.4016
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2−H2O
b4−H2O
b4−H2O
y4
b5−H2O
b5
b6−H2O
y5−NH3
y5
b7−NH3
b7−H2O
y6
y7
y9
y10
b9−H2O
b9
y8
b10−H2O
y11

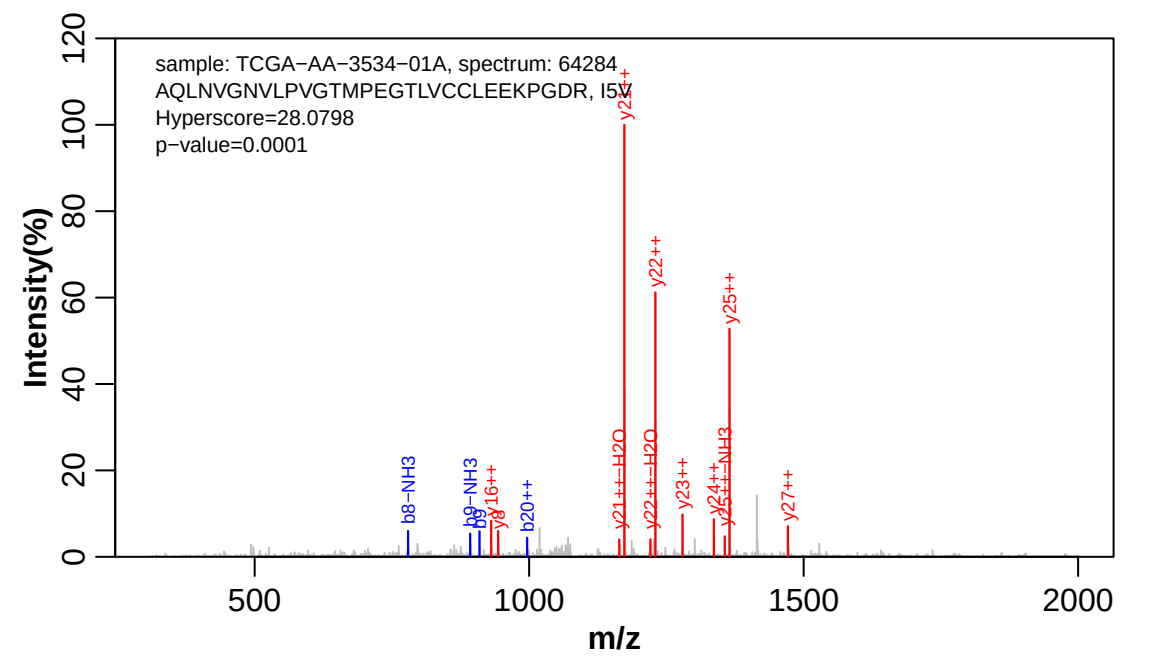

sample: TCGA−AA−3534−01A, spectrum: 53696
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=69.7236
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b20++
b25++
b27++−H2O
b26++
b16
y13
y4
b6
y5
b9
b21++

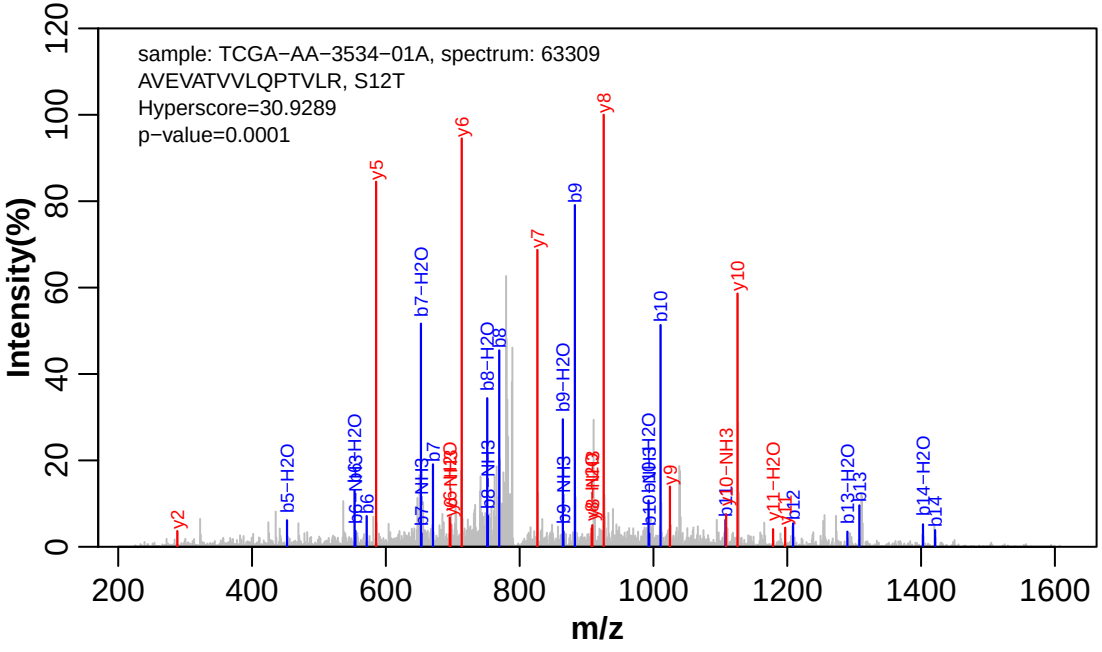

sample: TCGA−AA−3534−01A, spectrum: 40239
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=30.0466
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b7++−NH3
y6++−NH3
b5−H2O
b5−H2O
y8++−NH3
y9++−H2O
b6−H2O
b6
y10++−NH3
b2++
y11++−H2O
y11++
b7−NH3
b7
y12++
y13++−NH3
b8−H2O
b8
y14++
b16++
b17++
b9
y8−H2O
y17++
y9−H2O
y10
y11−H2O

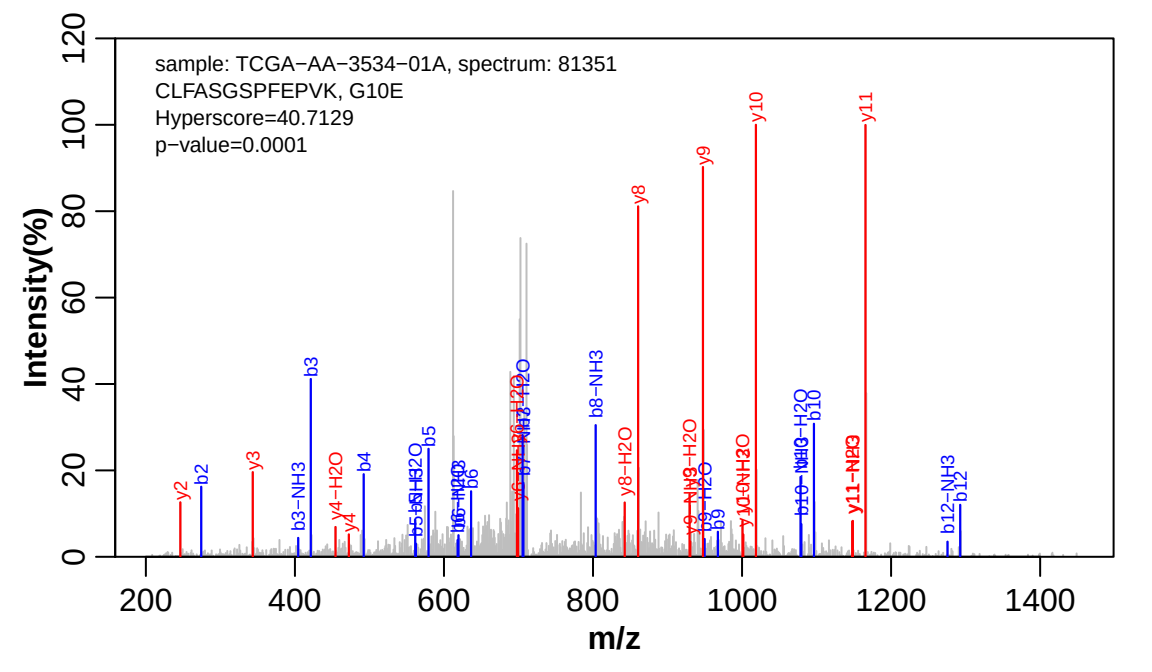

sample: TCGA−AA−3534−01A, spectrum: 15387
AGVETTTPSK, K7T
Hyperscore=22.4346
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8

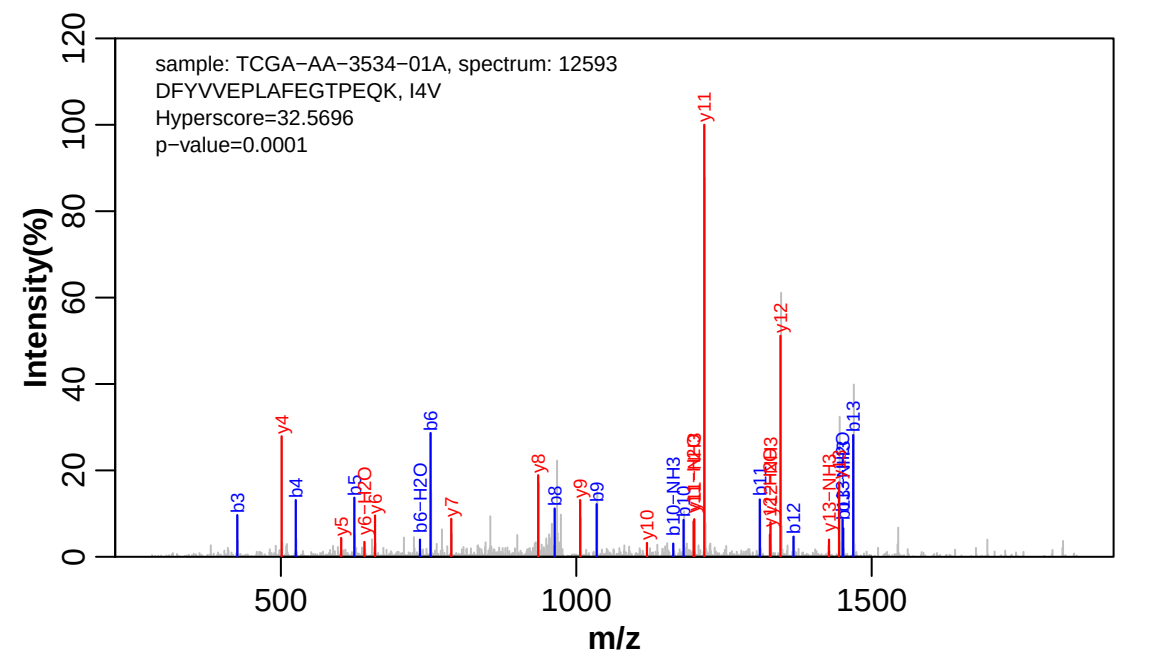

sample: TCGA−AA−3534−01A, spectrum: 13304
APFAAPLPFAELVLPPQQ, S7L
Hyperscore=31.8521
p−value=0.0002
y4
b11++
y5
b12++
b13++
y6
b14++
b16++
b11
b12
b13
b14
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
m/z

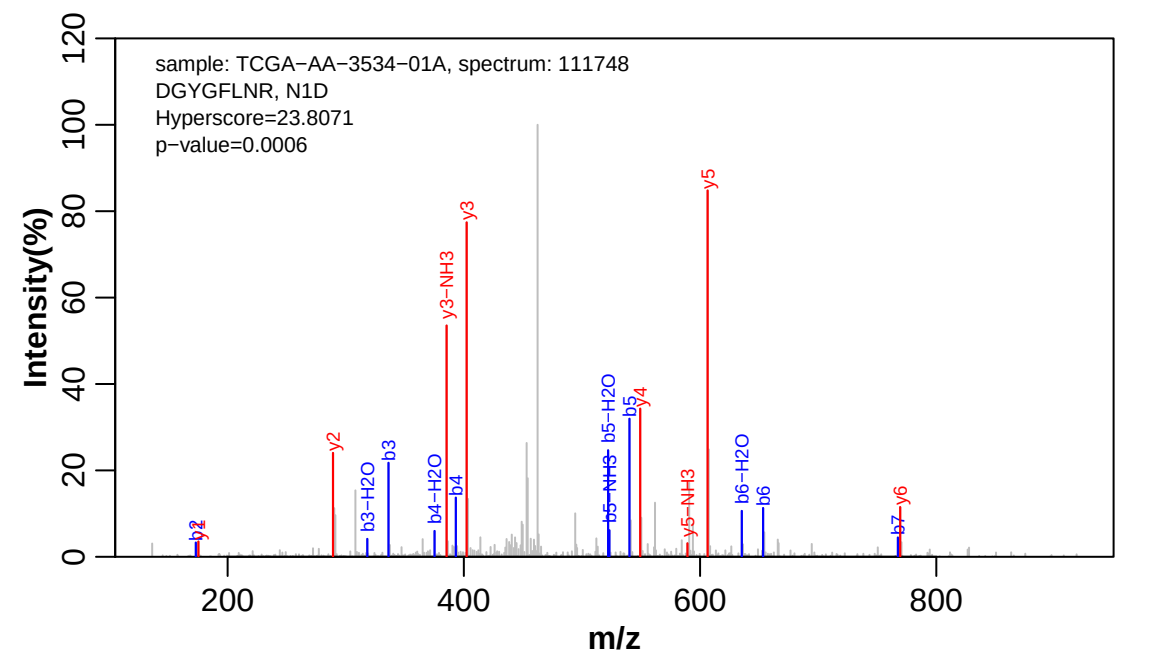

sample: TCGA−AA−3534−01A, spectrum: 64405
APSPLYSVEFSEEPFGVLVHR, R20H
Hyperscore=62.6576
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y8++
y8++−H2O
y10++
y15++
y16++
y17++
y18++−H2O
y19++
y9
b13
b12−H2O
y11
y13++−NH3−H2O
y16++−NH3

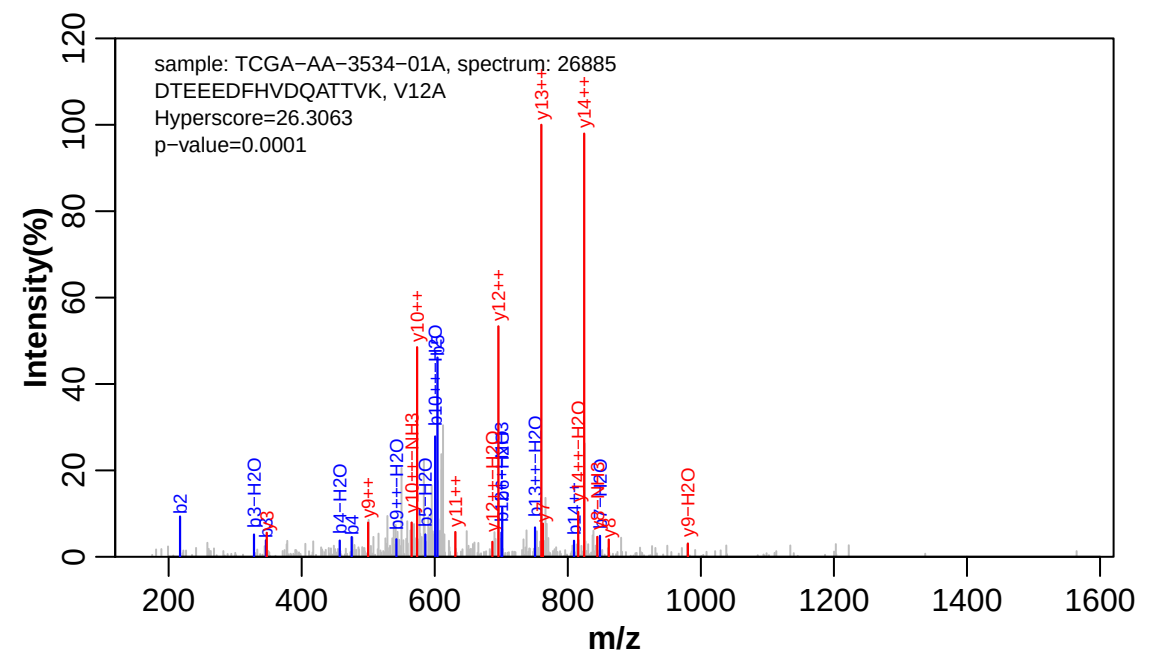

sample: TCGA−AA−3534−01A, spectrum: 64284
AQLNVGNVLPVGTMPEGTLVCCLEEKPGDR, I5V
Hyperscore=28.0798
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b8−NH3
b9−NH3
b9
y16++
b20++
y21++−H2O
y21++
y22++−H2O
y22++
y23++
y24++
y25++−NH3
y25++
y27++

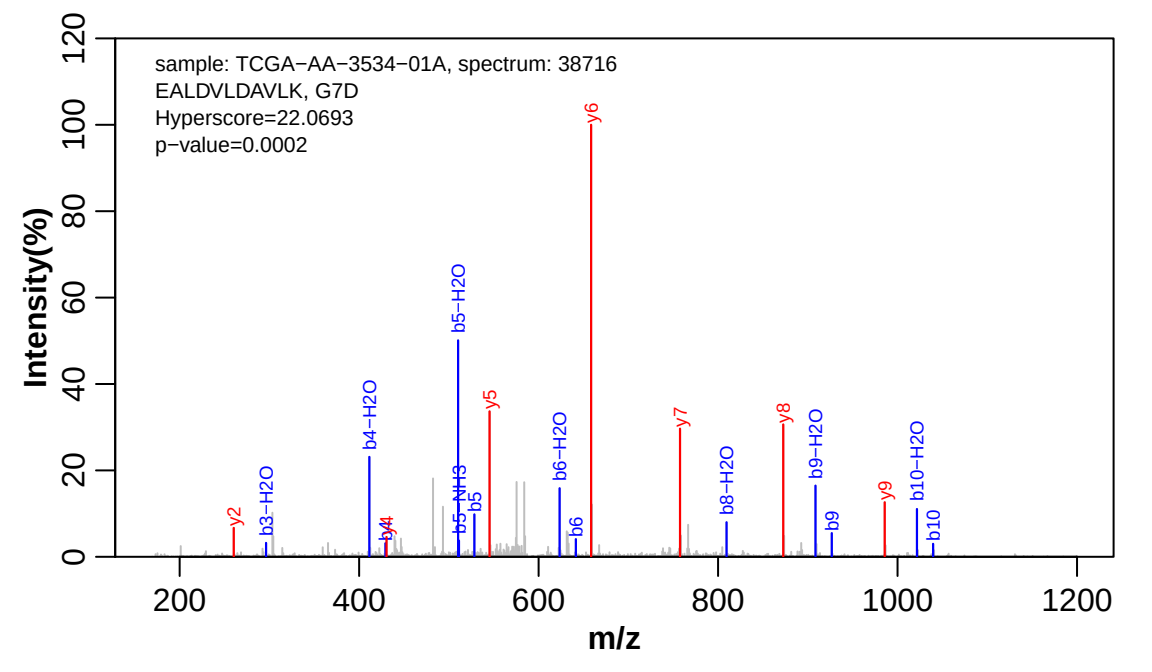

sample: TCGA−AA−3534−01A, spectrum: 63309
AVEVATVVLQPTVLR, S12T
Hyperscore=30.9289
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b5−H2O
y5
b6−H2O
b6
b7−NH3
b7
b7−H2O
y6
b8−NH3
b8−H2O
b8
y7
b9
b9−H2O
b9−NH3
y8
b10
b10−H2O
y9
y10
b11−NH3
y11−H2O
b12
b13−H2O
b13
b14−H2O
b14

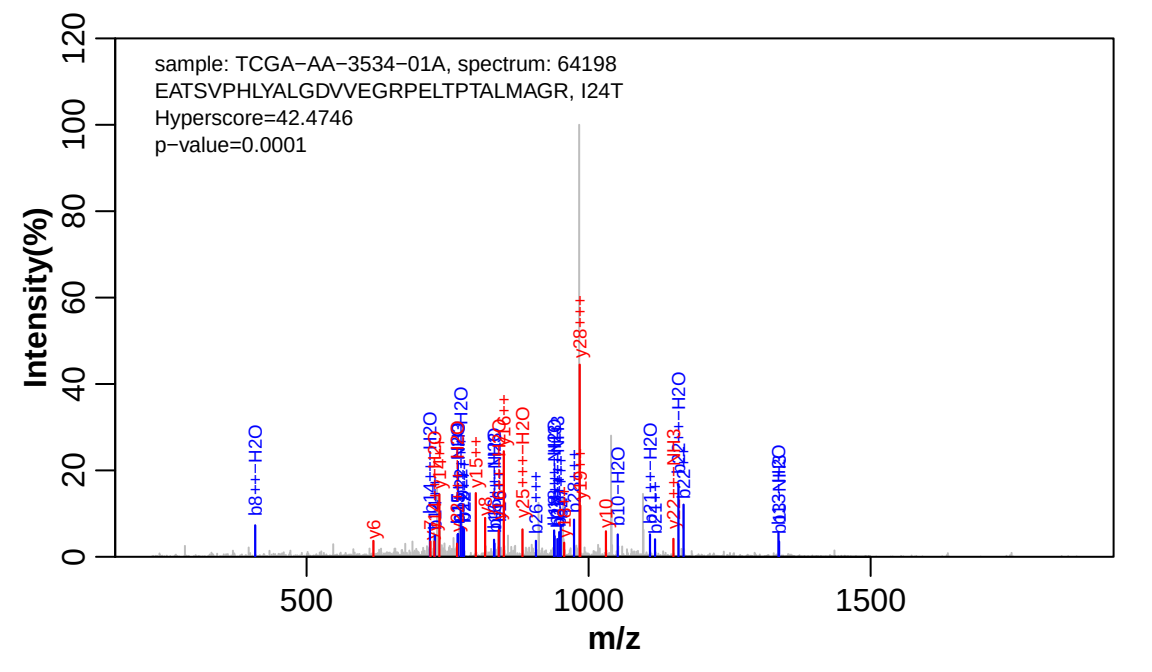

sample: TCGA−AA−3534−01A, spectrum: 81351
CLFASGSPFEPVK, G10E
Hyperscore=40.7129
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b2
y3
b3
b3−NH3
y4−H2O
y4
b4
b5
b6
b8−NH3
y8−H2O
y8
y9
y10
y11
b10
b12−NH3
b12

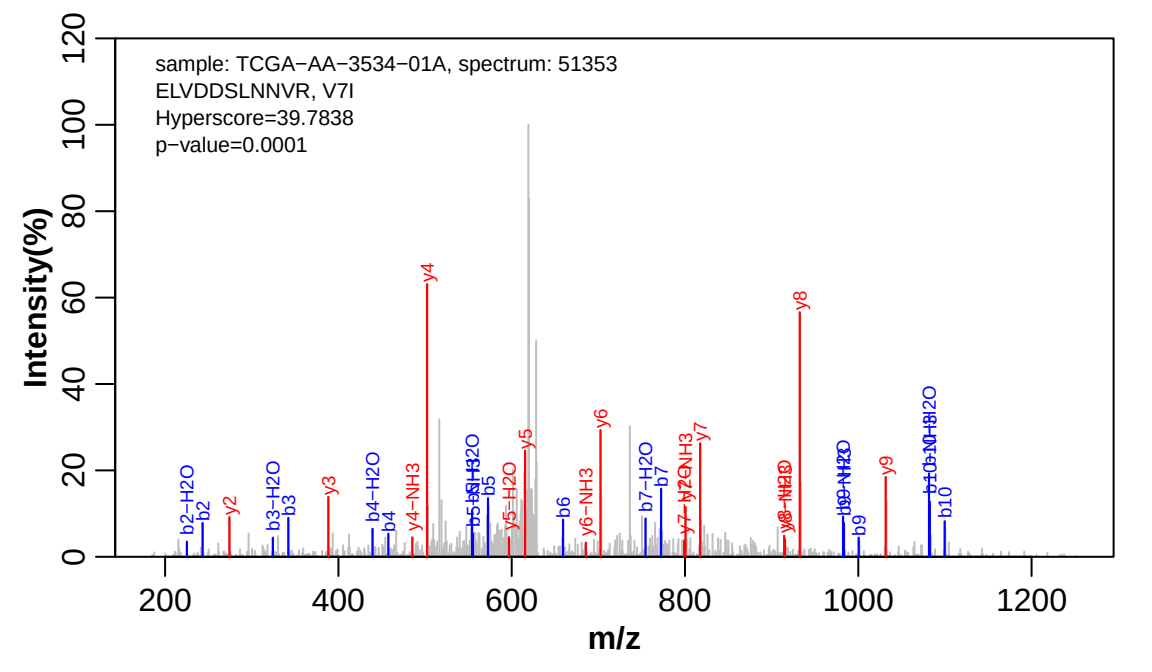

sample: TCGA−AA−3534−01A, spectrum: 12593
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=32.5696
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
y5
y6
b5
y6−H2O
b6
b6−H2O
y7
y8
b8
y9
b9
y10
b10−NH3
y11
y11−NH3
y11−H2O
y11−2NH3
y11−NH3−H2O
y11−2H2O
y11−2NH3−H2O
b11
y12
y12−NH3
y12−H2O
y12−2NH3
b12
y13−NH3
y13−H2O
y13−2NH3
y13−NH3−H2O
y13−2H2O
y13−2NH3−H2O
b13

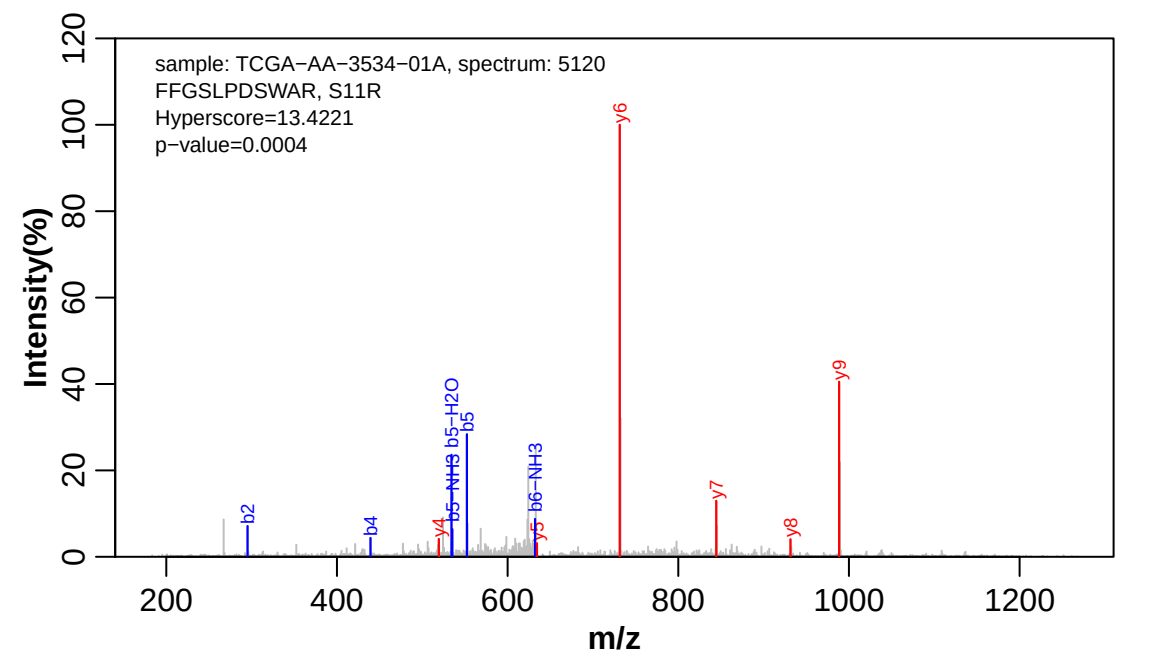

sample: TCGA−AA−3534−01A, spectrum: 111748
DGYGFLNR, N1D
Hyperscore=23.8071
p−value=0.0006
Intensity(%)
m/z
y5
y3
y3−NH3
y2
y4
b5−H2O
b5
b3
b3−H2O
b4−H2O
b4
b5−NH3
y5−NH3
b6−H2O
b6
y6
b7
b2
y1

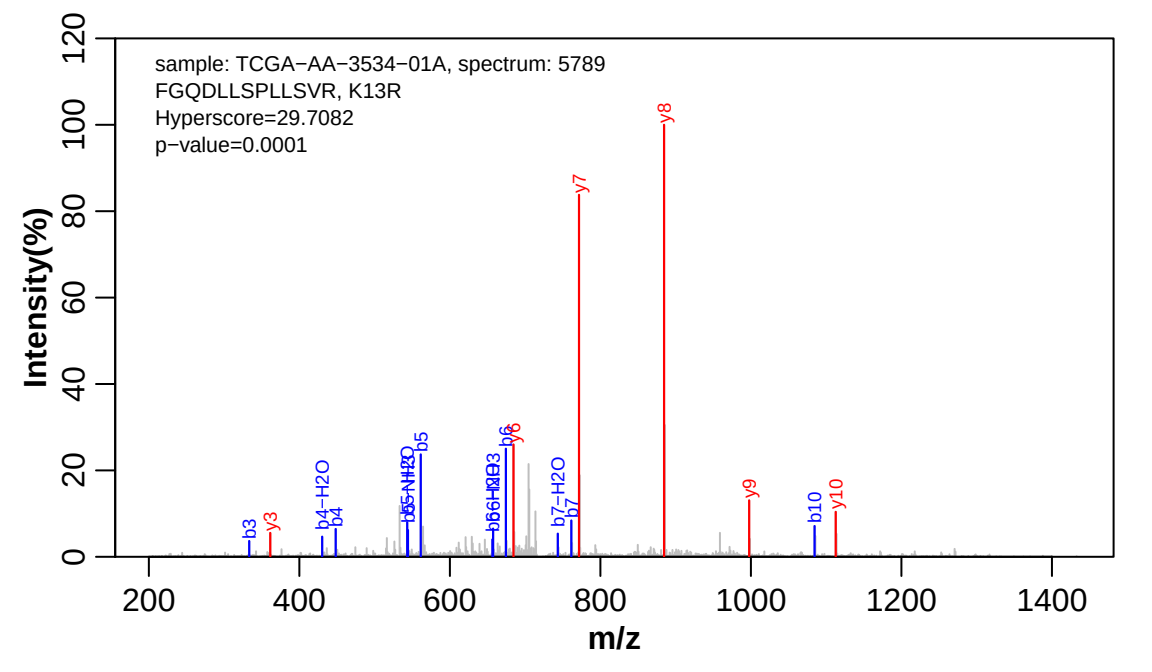

sample: TCGA−AA−3534−01A, spectrum: 26885
DTEEEDFHVDQATTVK, V12A
Hyperscore=26.3063
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
b3
b4−H2O
b4
y9++
b9++−H2O
y10++−NH3
y10++
b5−H2O
b10++−H2O
y11++
y12++−H2O
y12++−NH3
y12++
b13++−H2O
y13++
y14++−H2O
y14++
y9−H2O

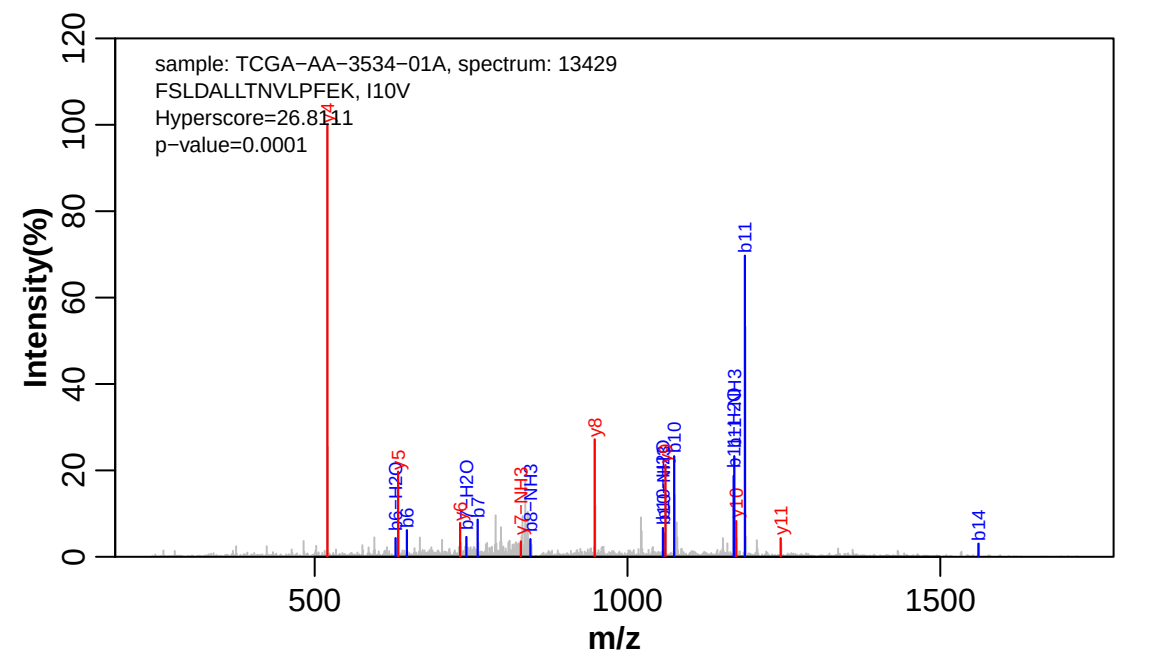

sample: TCGA−AA−3534−01A, spectrum: 38716
EALDVLDAVLK, G7D
Hyperscore=22.0693
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
b4−H2O
b4
b5−NH3
b5
b5−H2O
y5
y6
b6−H2O
b6
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

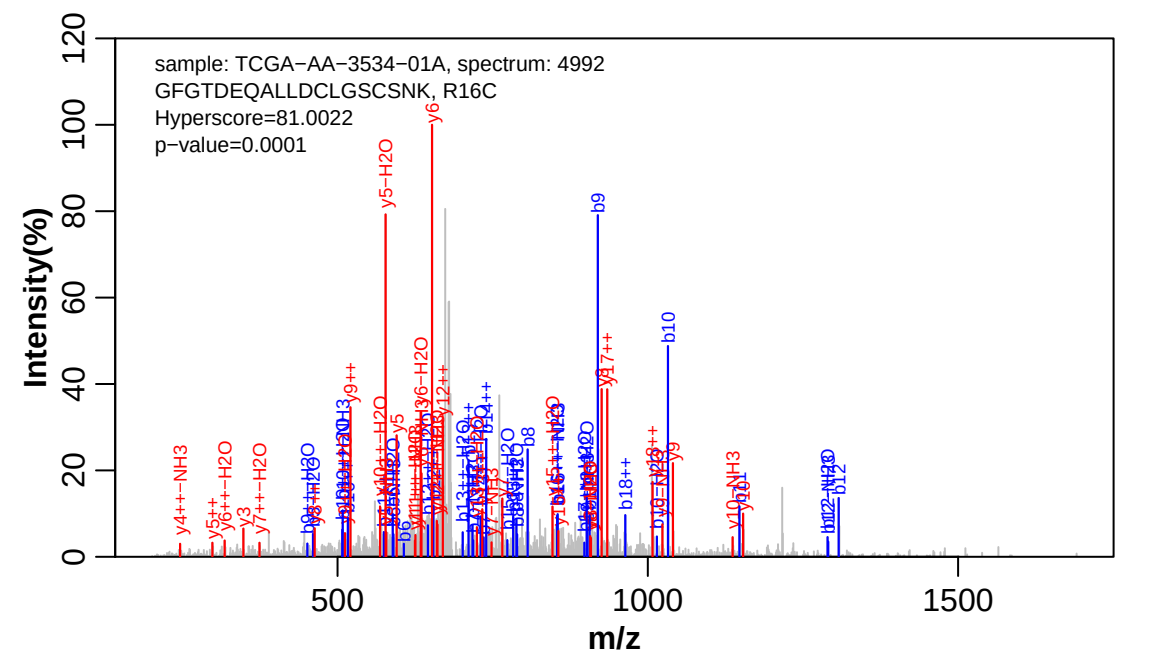

sample: TCGA−AA−3534−01A, spectrum: 64198
EATSVPHLYALGDVVEGRPELTPTALMAGR, I24T
Hyperscore=42.4746
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b8++−H2O
y6
y28+++
y10−H2O
b10−H2O
b21++−H2O
b22++−NH3
b22++−H2O
b33−NH3
b33−H2O
y25+++−H2O
b26+++
y15++
y10++
y6++

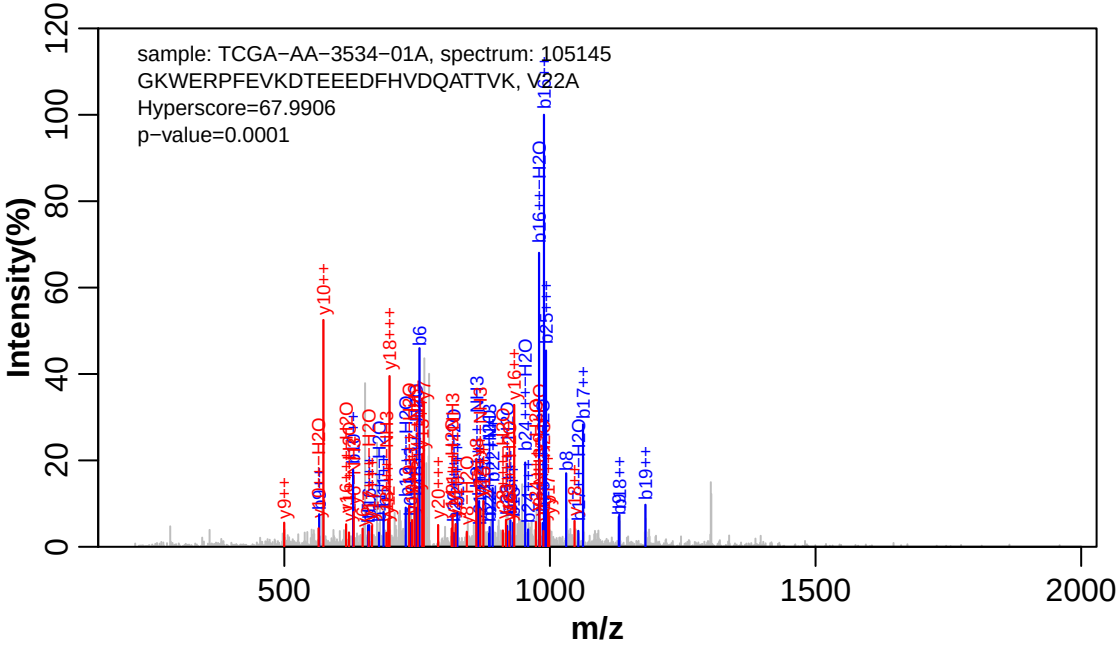

sample: TCGA−AA−3534−01A, spectrum: 51353
ELVDDSLNNVR, V7I
Hyperscore=39.7838
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
b5−NH3
b5−H2O
b5
y5−H2O
y5
b6
y6−NH3
y6
b7−H2O
b7
y7−H2O−NH3
y7
y8
b9−NH3
b9−H2O
b9
y9
b10−NH3
b10−H2O
b10

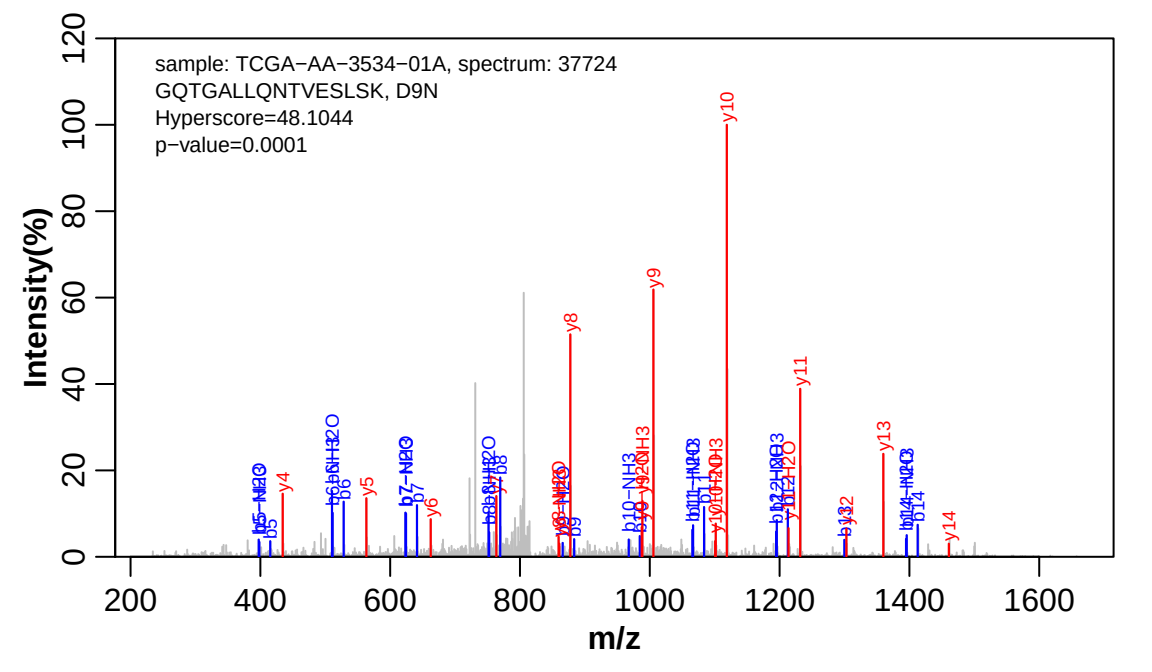

sample: TCGA−AA−3534−01A, spectrum: 5120
FFGSLPDSWAR, S11R
Hyperscore=13.4221
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
y6
y7
y8
y9

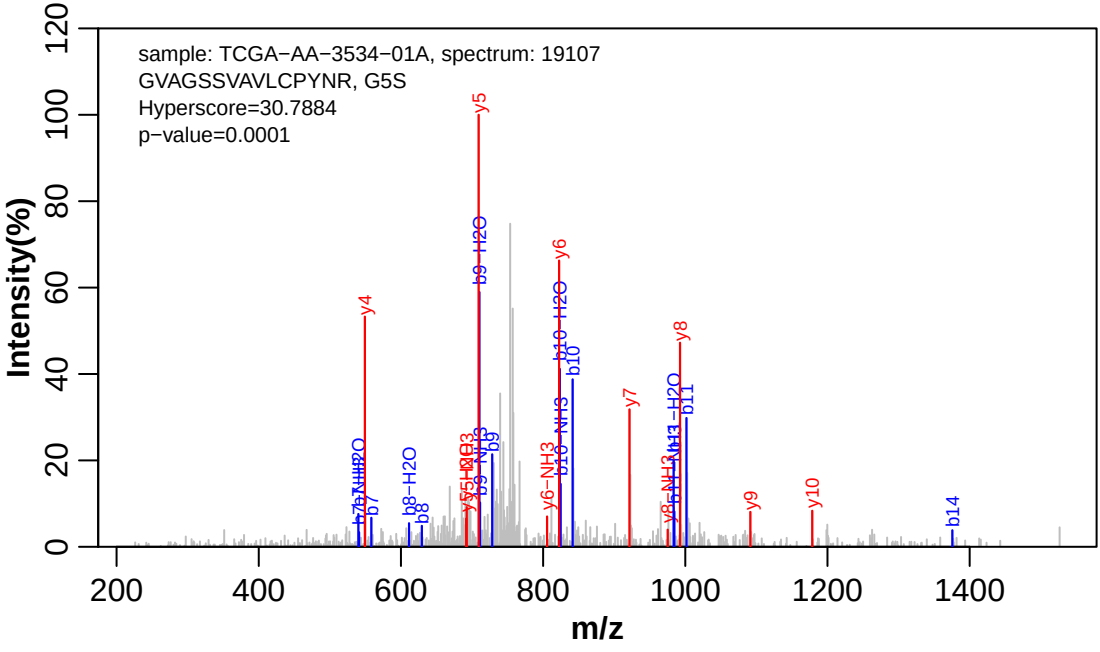

sample: TCGA−AA−3534−01A, spectrum: 5789
FGQDLLSPLLSVR, K13R
Hyperscore=29.7082
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5−NH3
b5−H2O
b5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9
b10
y10

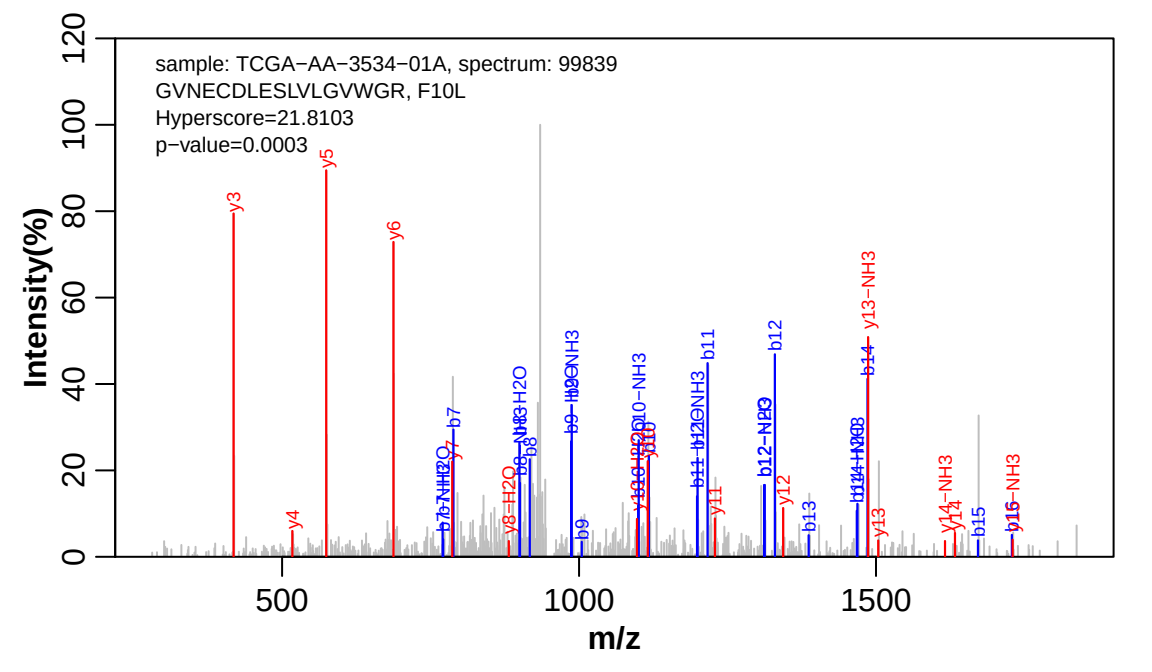

sample: TCGA−AA−3534−01A, spectrum: 13429
FSLDALLTNVLPFEK, I10V
Hyperscore=26.8111
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
b6−H2O
b6
y6
b7−H2O
b7
y7−NH3
b8−NH3
y8
b10
b10−NH3
b10−H2O
b11
b11−NH3
b11−H2O
y10
y11
b14

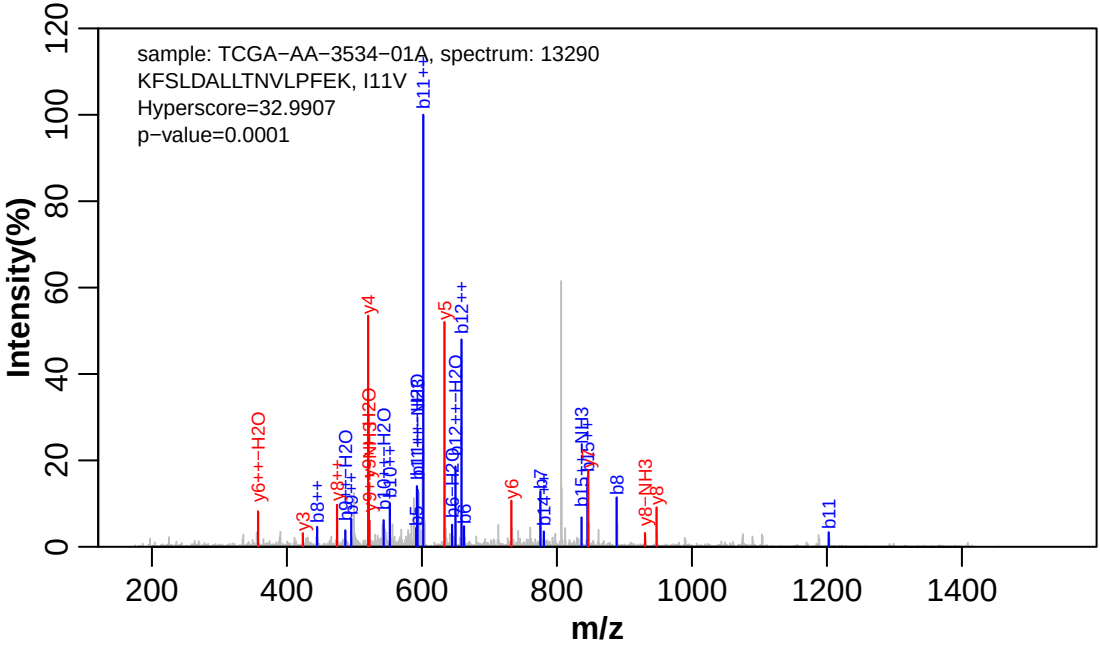

sample: TCGA−AA−3534−01A, spectrum: 4992
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=81.0022
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
y7++
y9
y9++
b18++
y10−NH3
b12
y4++−NH3
y5++
y6++−H2O
y3
y7++−H2O
b8

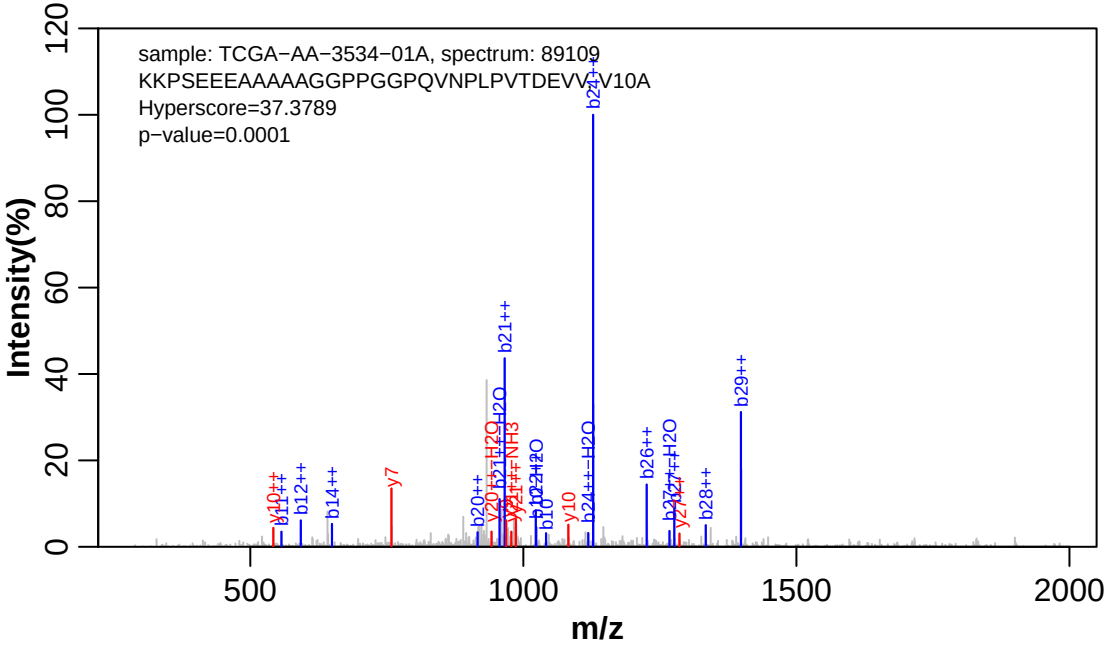

sample: TCGA−AA−3534−01A, spectrum: 105145
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=67.9906
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y9++
y10++−H2O
y10++
y18+++
b6
b16++−H2O
b16++
b25+++
y16++−H2O
b17++
b8
b18++
b19++

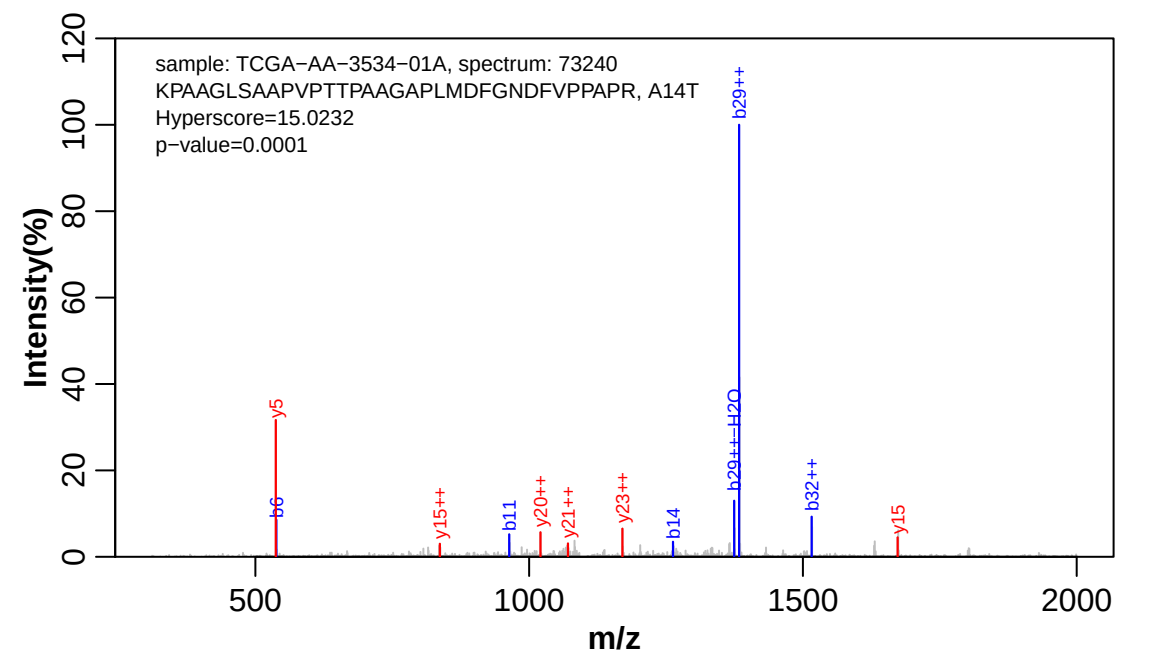

sample: TCGA−AA−3534−01A, spectrum: 37724
GQTGALLQNTVESLSK, D9N
Hyperscore=48.1044
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
y4
y5
y6
b10−NH3

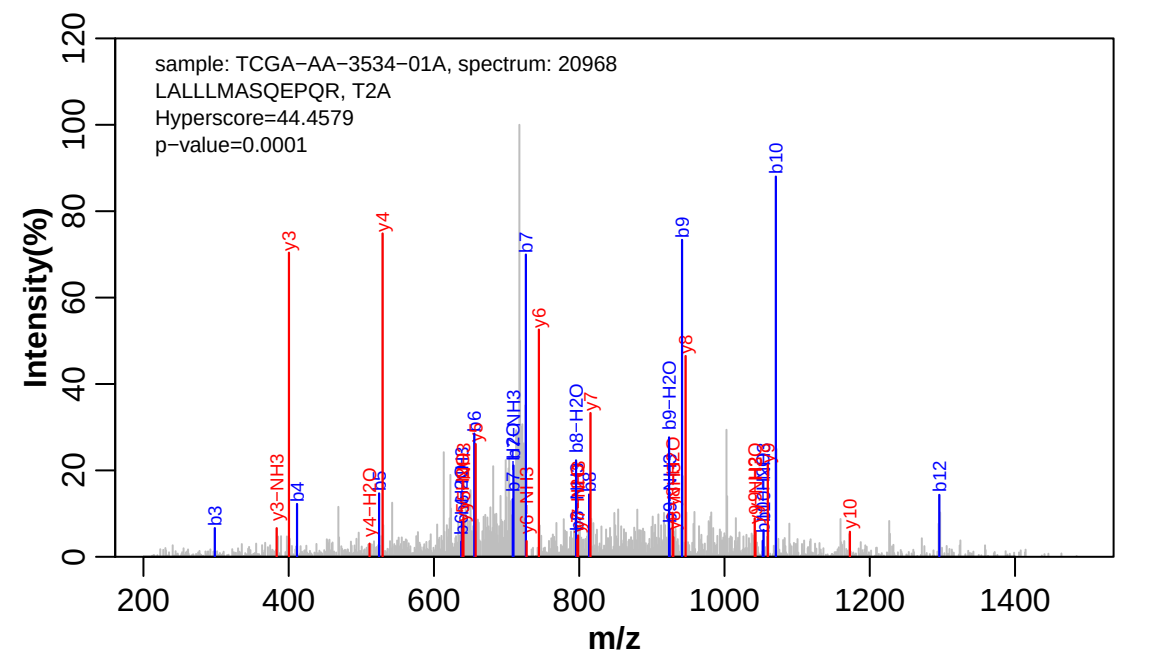

sample: TCGA−AA−3534−01A, spectrum: 19107
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.7884
p−value=0.0001
Intensity(%)
m/z
y5
y4
y6
y8
y7
y9
y10
b14
b9−H2O
b10−H2O
b10
b11
b8−H2O
b8
b7
y6−NH3
y8−NH3
b9
b10−NH3

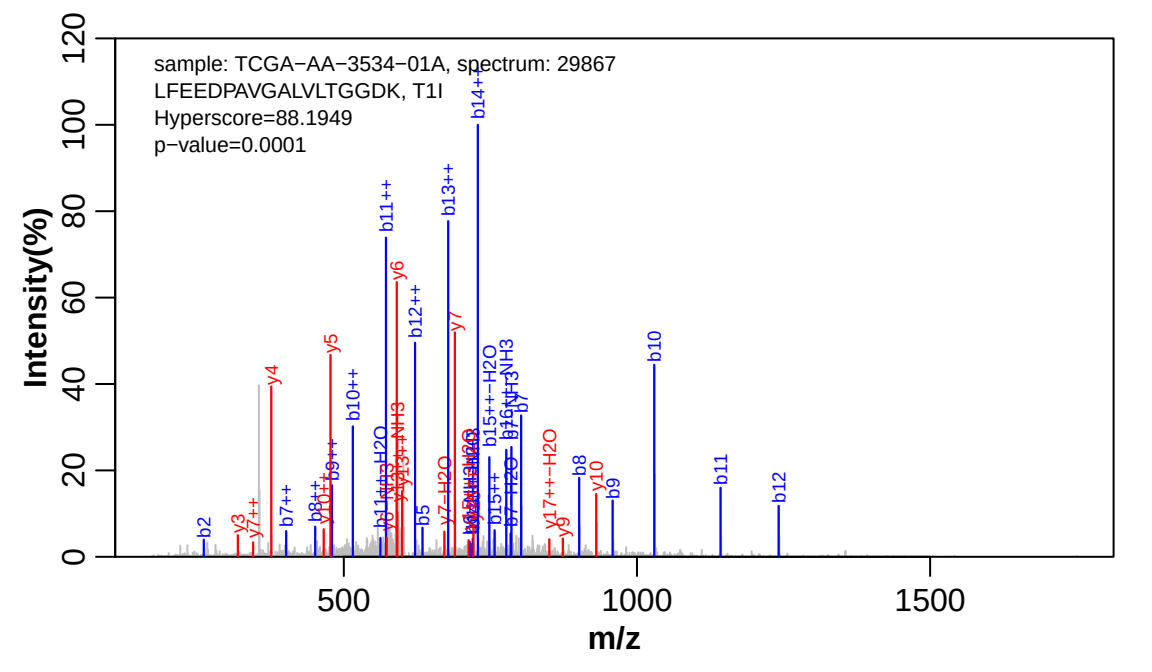

sample: TCGA−AA−3534−01A, spectrum: 99839
GVNECDLESLVLGVWGR, F10L
Hyperscore=21.8103
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
y6
y7
b7
b8
b9
y8−H2O
y10−NH3
b11
b12
y11
y12
b13
b14
y13−NH3
y13
y14−NH3
b15
b16−NH3

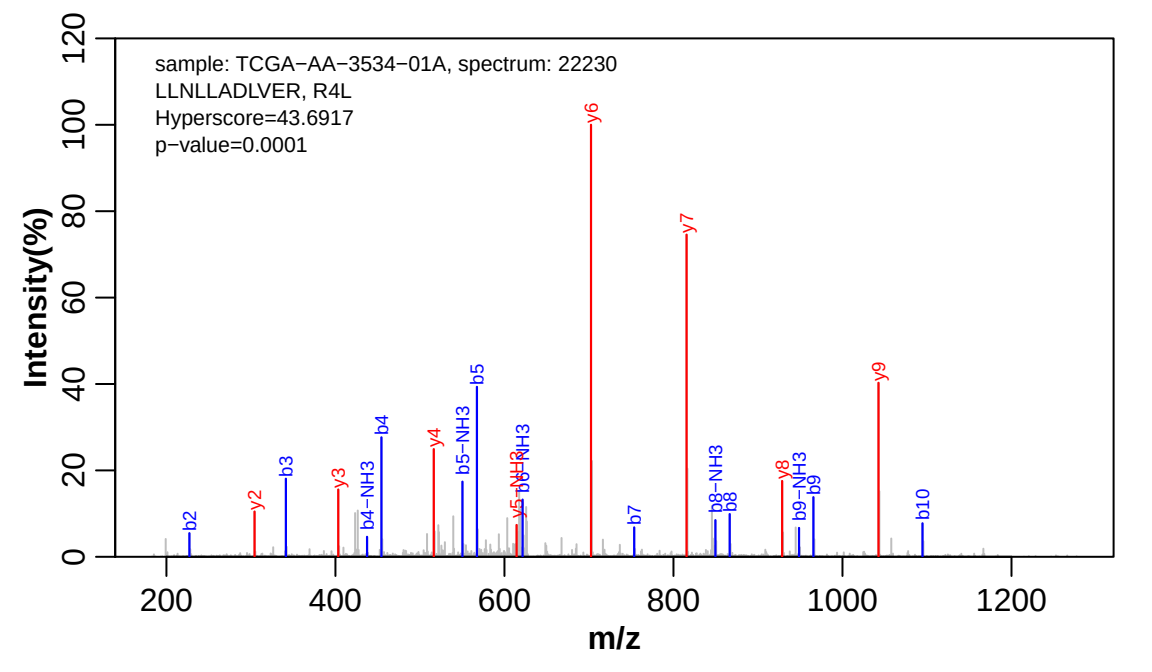

sample: TCGA−AA−3534−01A, spectrum: 13290
KFSLDALLTNVLPFEK, I11V
Hyperscore=32.9907
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b11++
y4
y5
b12++
y6++−H2O
y3
b8++
y6
b8
y8−NH3
y8
b11

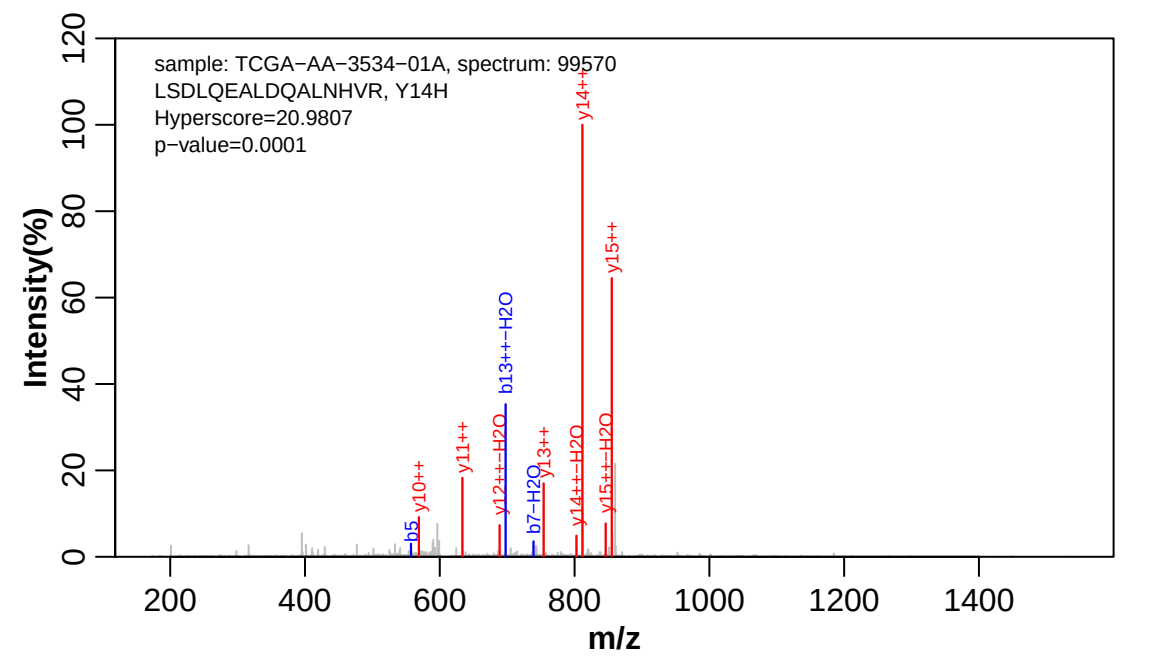

sample: TCGA−AA−3534−01A, spectrum: 89109
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=37.3789
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b21++
b21++
b12++
b14++
y7
b20++
b21++
b26++
b29++
b28++
y10
b24++−H2O

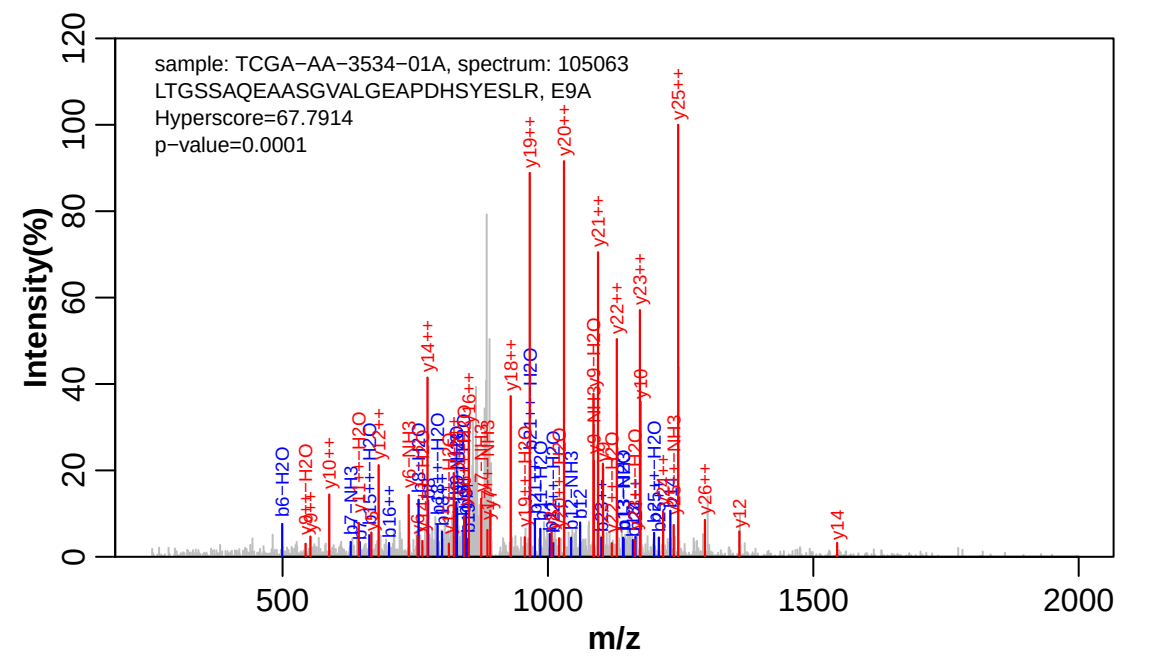

sample: TCGA−AA−3534−01A, spectrum: 73240
KPAAGLSAAPVPTTPAAGAPLMDFGNDFVPPAPR, A14T
Hyperscore=15.0232
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
y5
b6
y15++
b11
y20++
y21++
y23++
b14
b29++−H2O
b29++
b32++
y15

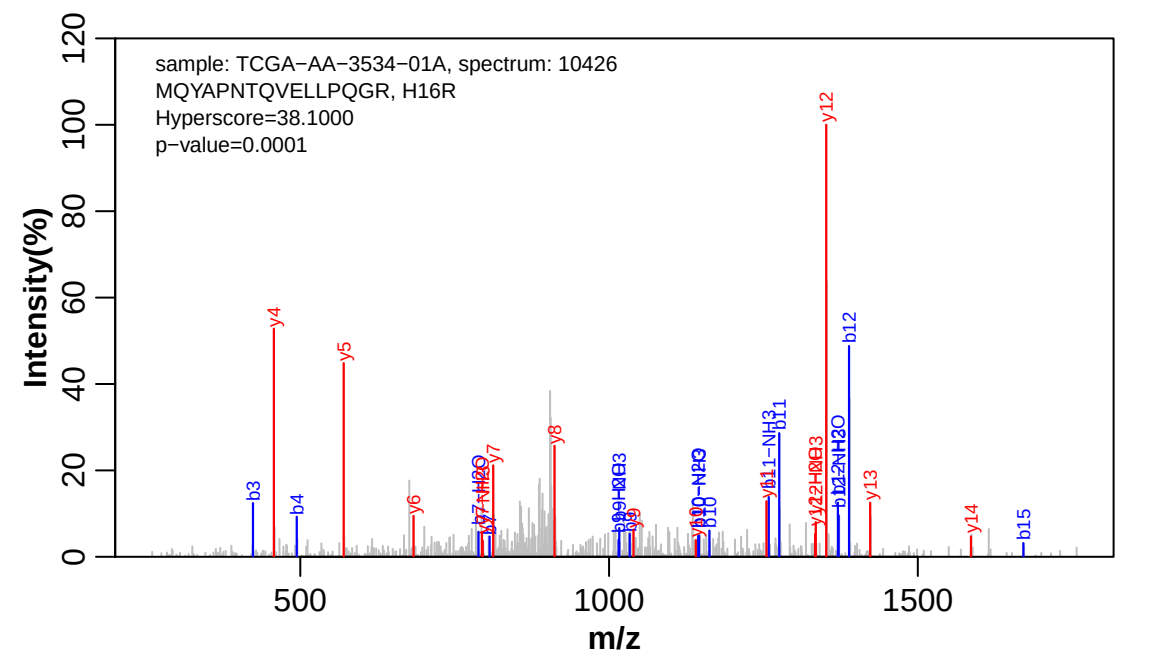

sample: TCGA−AA−3534−01A, spectrum: 20968
LALLLMASQEPQR, T2A
Hyperscore=44.4579
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
y3−NH3
b4
y4
y4−H2O
b5
b7
b7−H2O
b7−NH3
y6
b8−H2O
y7
b9
b9−H2O
y8
b10
y10
b12

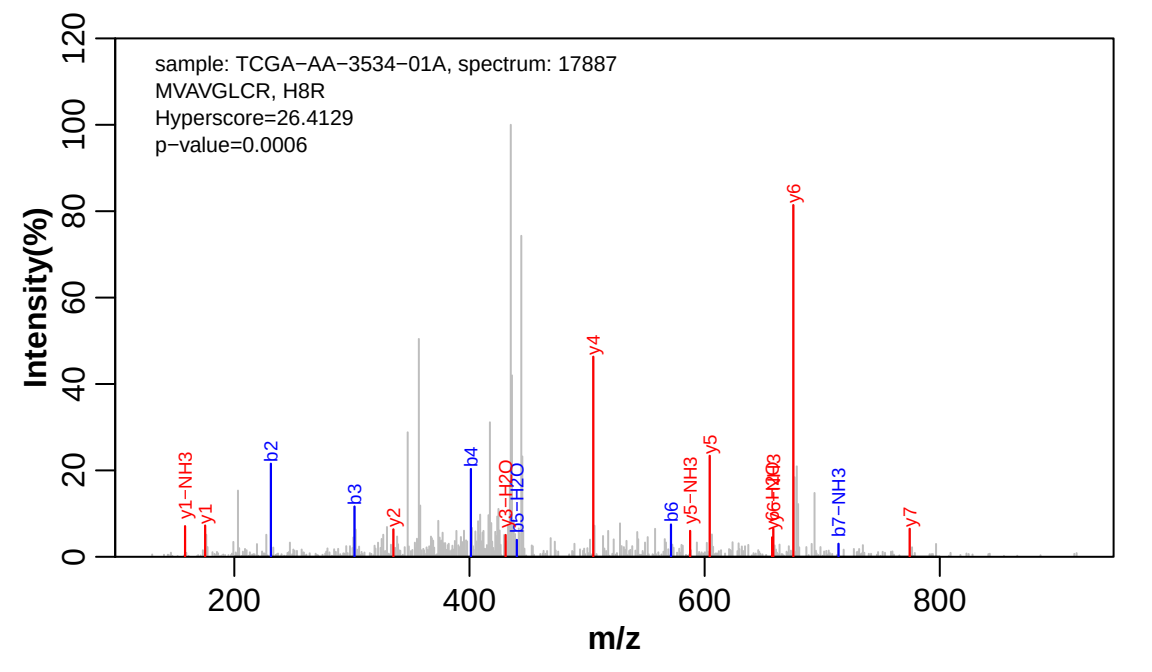

sample: TCGA−AA−3534−01A, spectrum: 29867
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=88.1949
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y7++
y4
b7++
b8++
y10++
y5
b9++
b10++
b11++
y6
b11++−H2O
y13++−NH3
b12++
y7
b13++
b14++
y7−H2O
b5
b15++
b15++−H2O
b16++−NH3
b7
y17++−H2O
y9
b8
y10
b9
b10
b11
b12

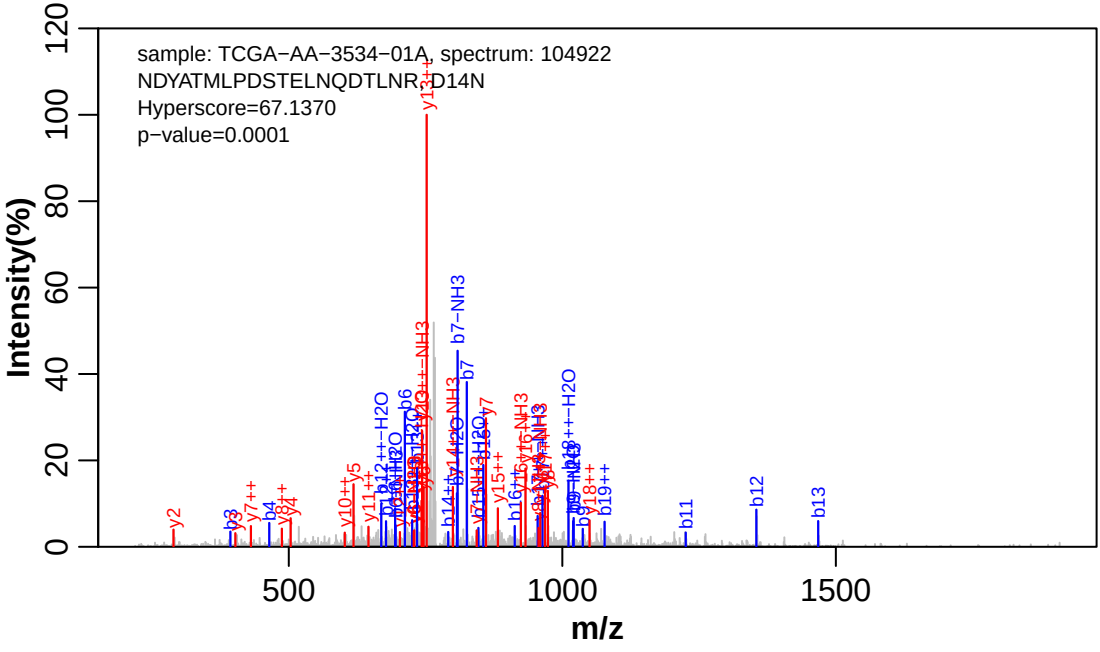

sample: TCGA−AA−3534−01A, spectrum: 22230
LLNLLADLVER, R4L
Hyperscore=43.6917
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y4
y3
y2
y8
b5
b4
b3
b2
b5−NH3
b4−NH3
y5−NH3
b6
b7
b8−NH3
b8
b9−NH3
b9
b10

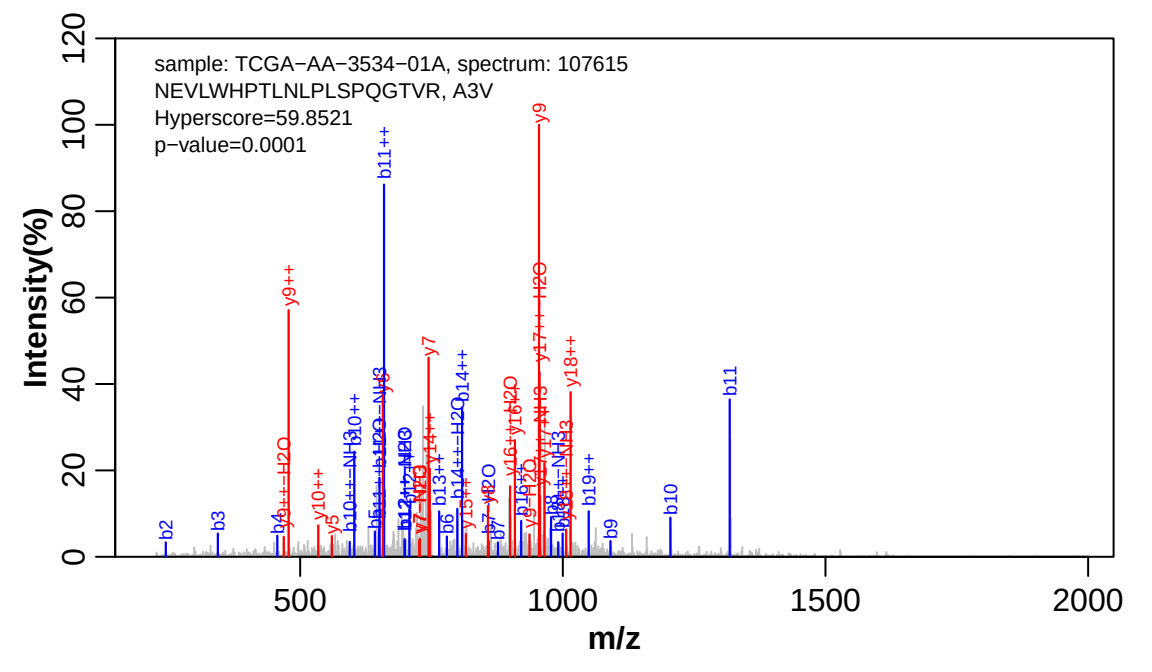

sample: TCGA−AA−3534−01A, spectrum: 99570
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.9807
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b5
y10++
y11++
y12++−H2O
b13++−H2O
b7−H2O
y13++
y14++−H2O
y14++
y15++−H2O
y15++

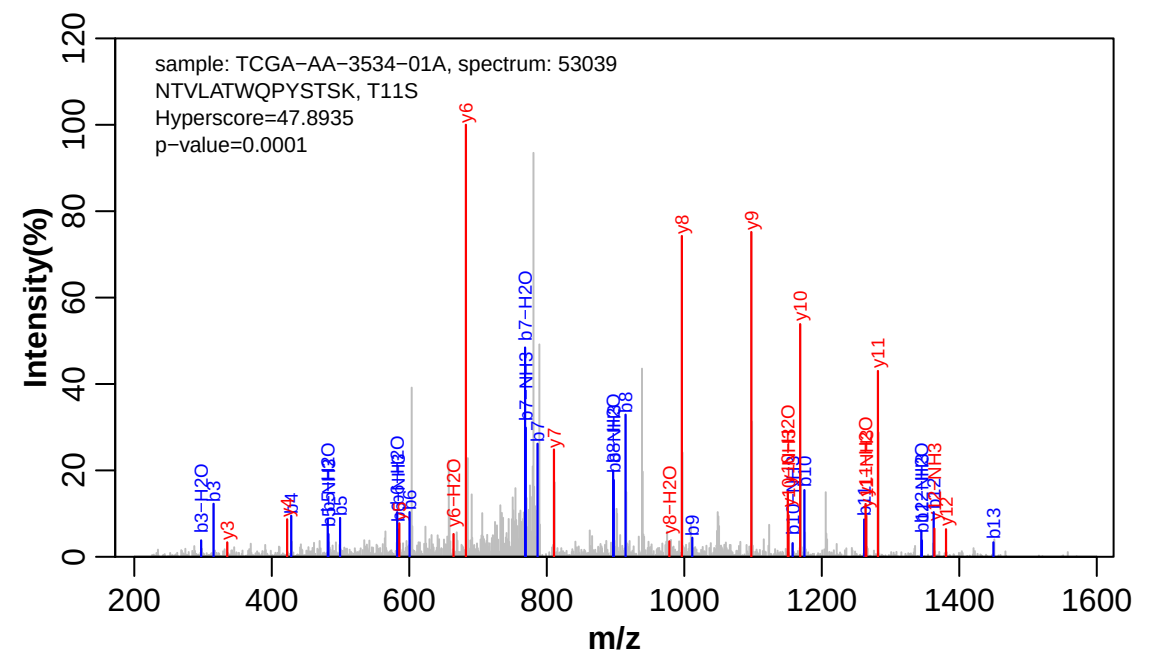

sample: TCGA−AA−3534−01A, spectrum: 105063
LTGSSAQEAASGVALGEAPDHSYESLR, E9A
Hyperscore=67.7914
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y25++
y20++
y19++
y21++
y23++
y22++
y18++
y14++
y10
y26++
y12
y14
b6−H2O
y10++
b7−NH3
y12++

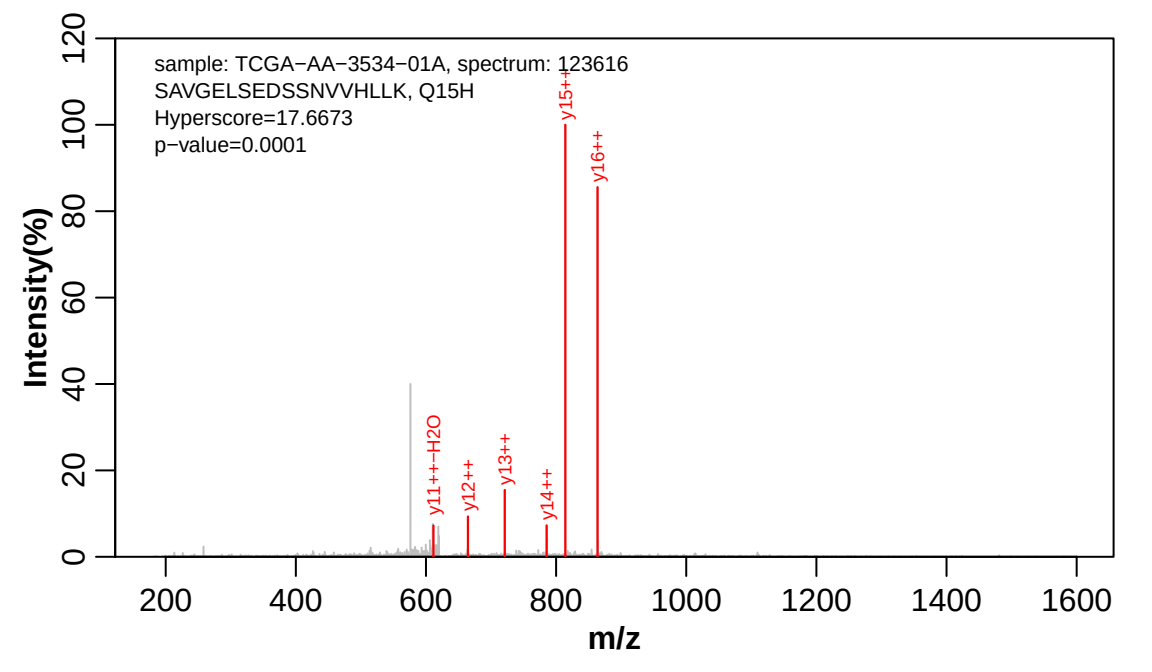

sample: TCGA−AA−3534−01A, spectrum: 10426
MQYAPNTQVELLPQGR, H16R
Hyperscore=38.1000
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b4
y4
y5
y6
y7
y8
b11
y12
b12
y13
y14
b15

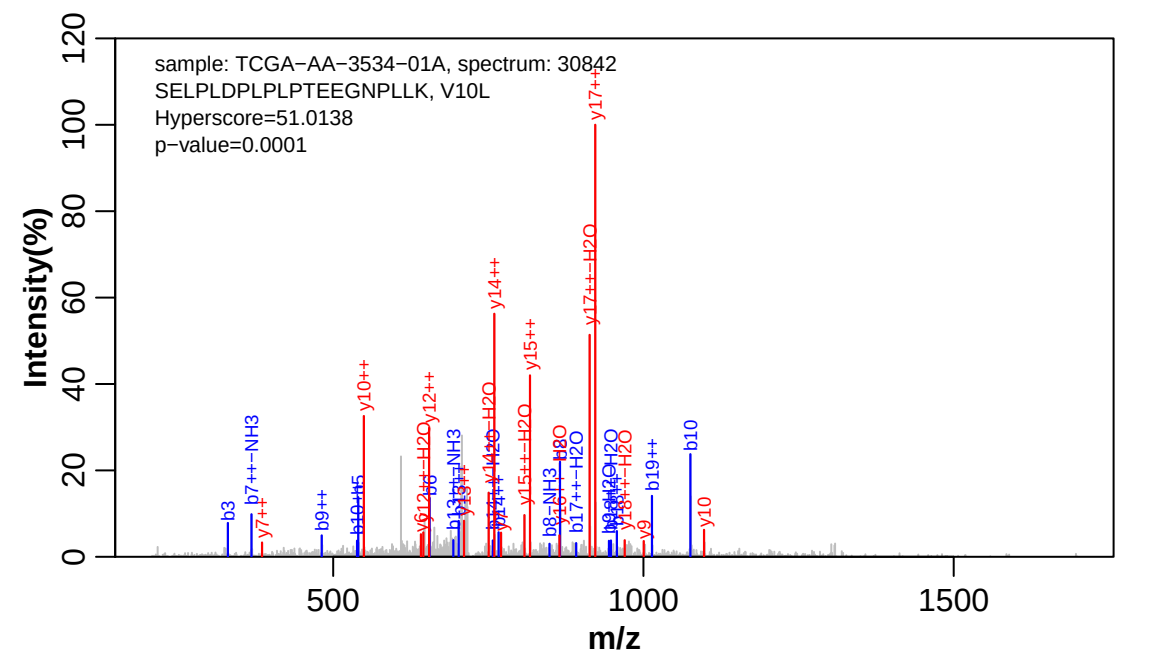

sample: TCGA−AA−3534−01A, spectrum: 17887
MVAVGLCR, H8R
Hyperscore=26.4129
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2
b3
y2
b4
y3−H2O
b5−H2O
y4
b6
y5−NH3
y5
y6−H2O
y6
b7−NH3
y7

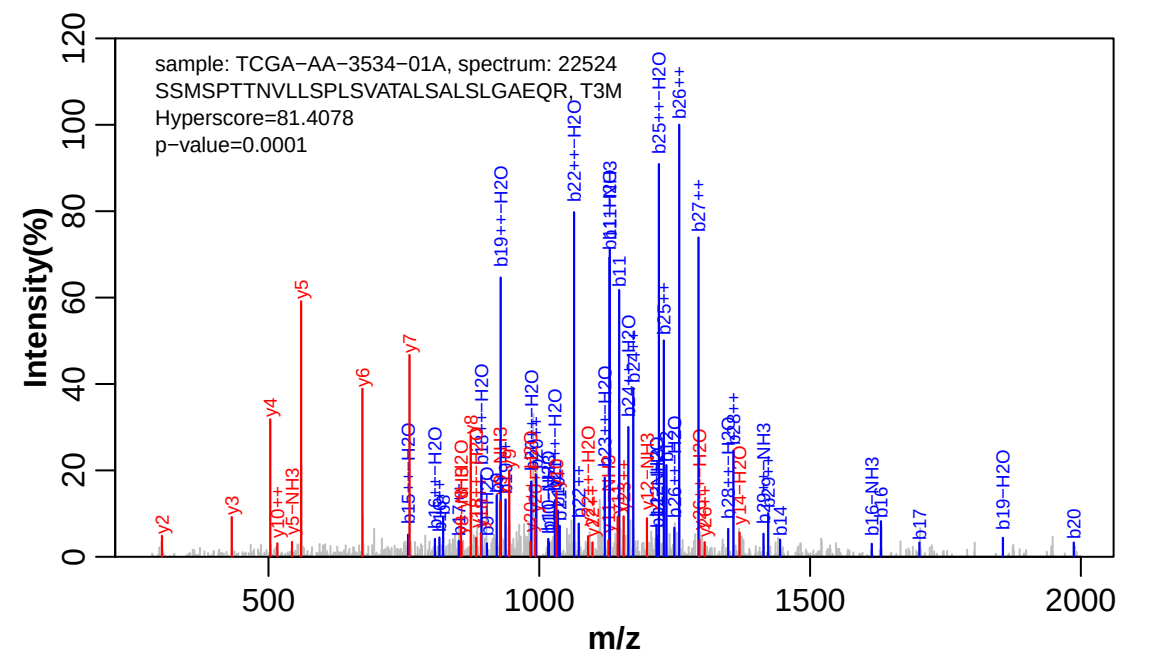

sample: TCGA−AA−3534−01A, spectrum: 104922
NDYATMLPDSTELNQDTLNR, D14N
Hyperscore=67.1370
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y13++
b7−NH3
b7
y2
b3
y7++
b4
y8++
y4++
y10++
y5
y11++
b12++−H2O
b6
y15++
b16++
b11
b12
b13
b19++

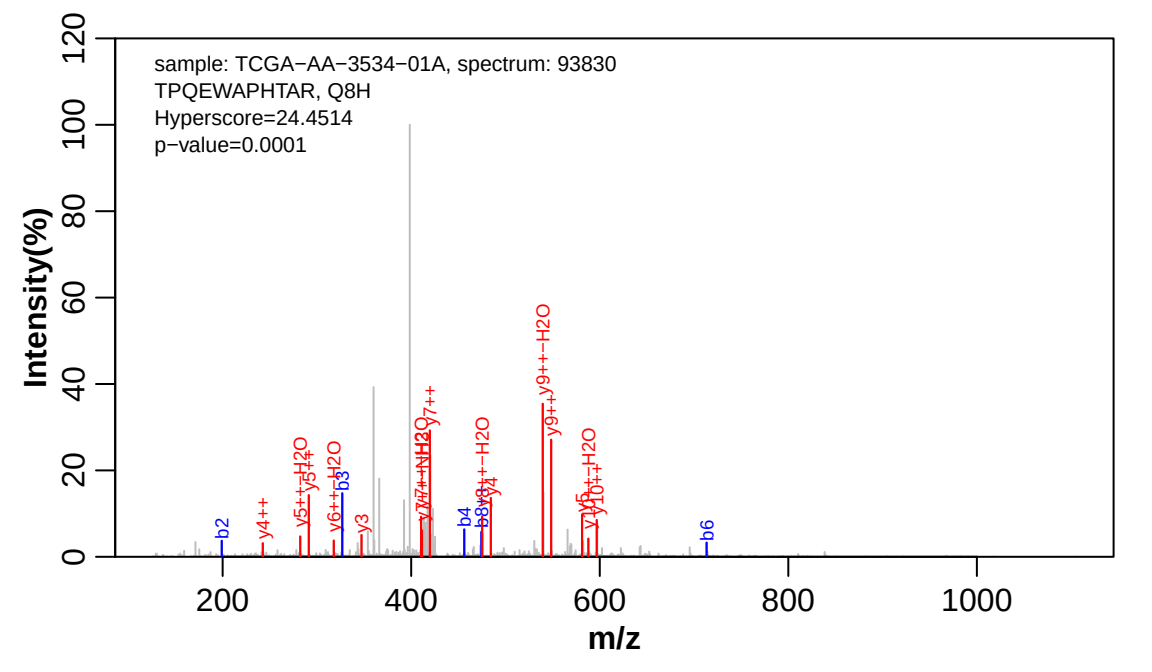

sample: TCGA−AA−3534−01A, spectrum: 107615
NEVLWHPTLNLPLSPQGTVR, A3V
Hyperscore=59.8521
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b2
b3
b4
y9++ H2O
y9++
y10++
y5
b10++ NH3
b10++
b5++ H2O
b5++ NH3
b11++
y7
y14++
b13++
b6
b14++ H2O
b14++
y15++
b7
y8++ H2O
y16++ H2O
y16++
y9
y17++ NH3
y17++ H2O
y9++
y18++
b19++
b9
b10
b11

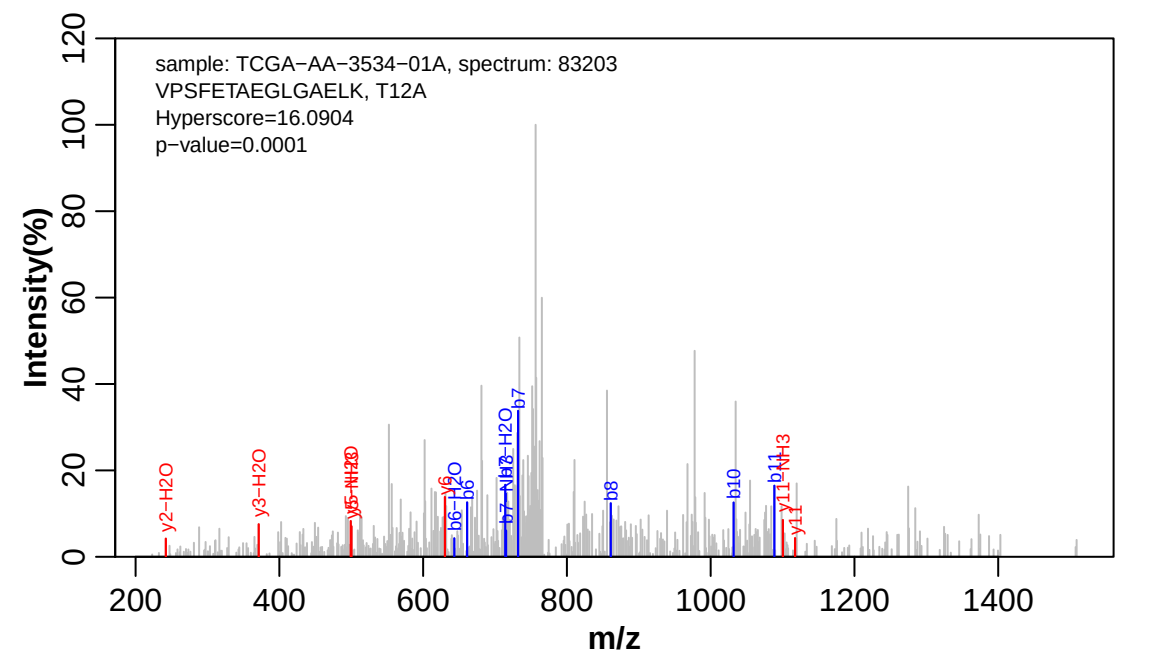

sample: TCGA−AA−3534−01A, spectrum: 53039
NTVLATWQPYSTSK, T11S
Hyperscore=47.8935
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y8
y9
y10
y11
b7−NH3
b7−H2O
b7
y7
b8
y8−H2O
b9
y6−H2O
b3−H2O
b3
y3
y4
b5
b13

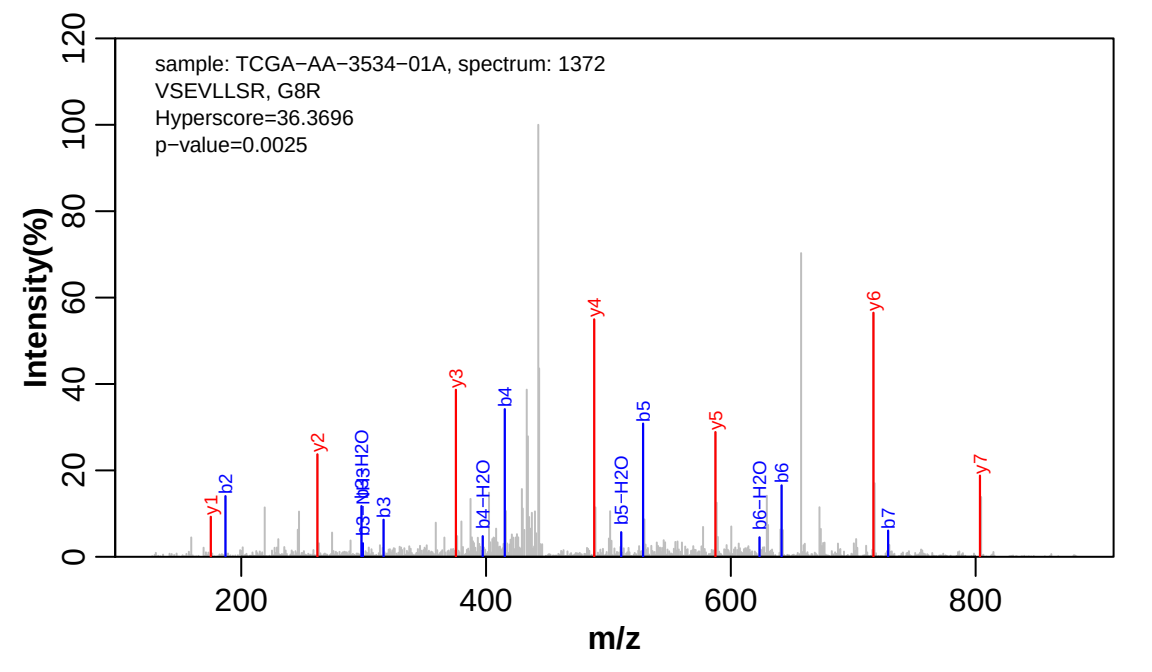

sample: TCGA−AA−3534−01A, spectrum: 123616
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.6673
p−value=0.0001
y15++
y16++
y11++−H2O
y12++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

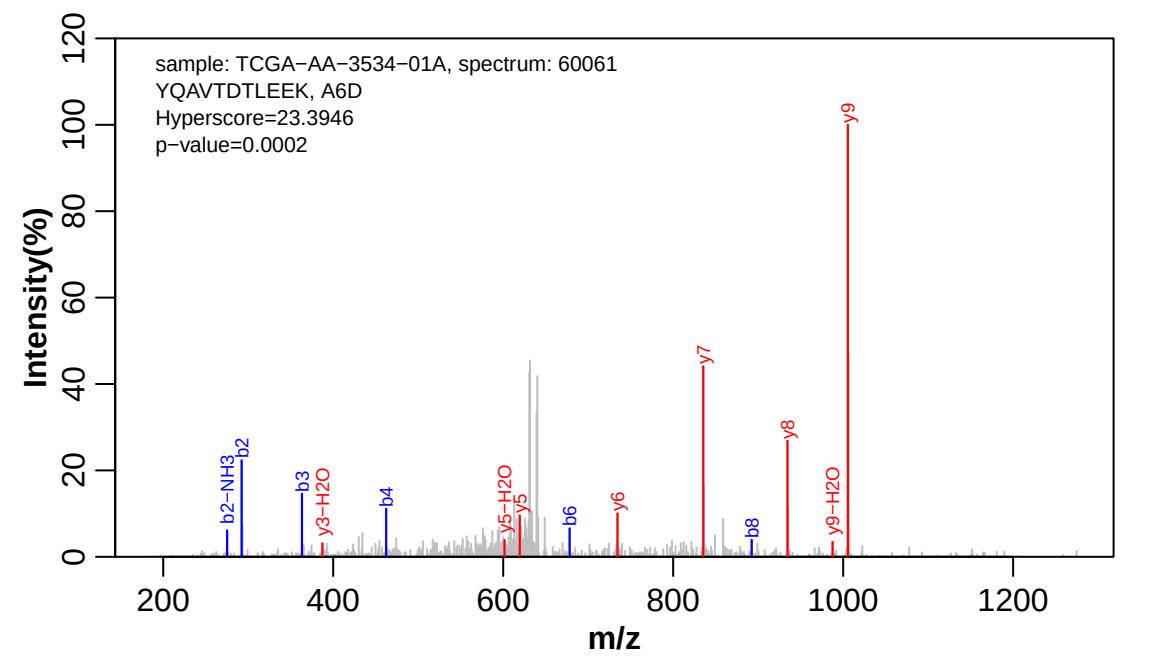

sample: TCGA−AA−3534−01A, spectrum: 30842
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=51.0138
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y7++
b7++−NH3
b9++
b10−H5
y10++
y12++−H2O
y12++
b8
b13++−NH3
y13++
b14++−H2O
y14++
y15++−H2O
y15++
b8−NH3
b8
y16++−H2O
b17++−H2O
y17++−H2O
y17++
y18++−H2O
y9
b19++
b10
y10

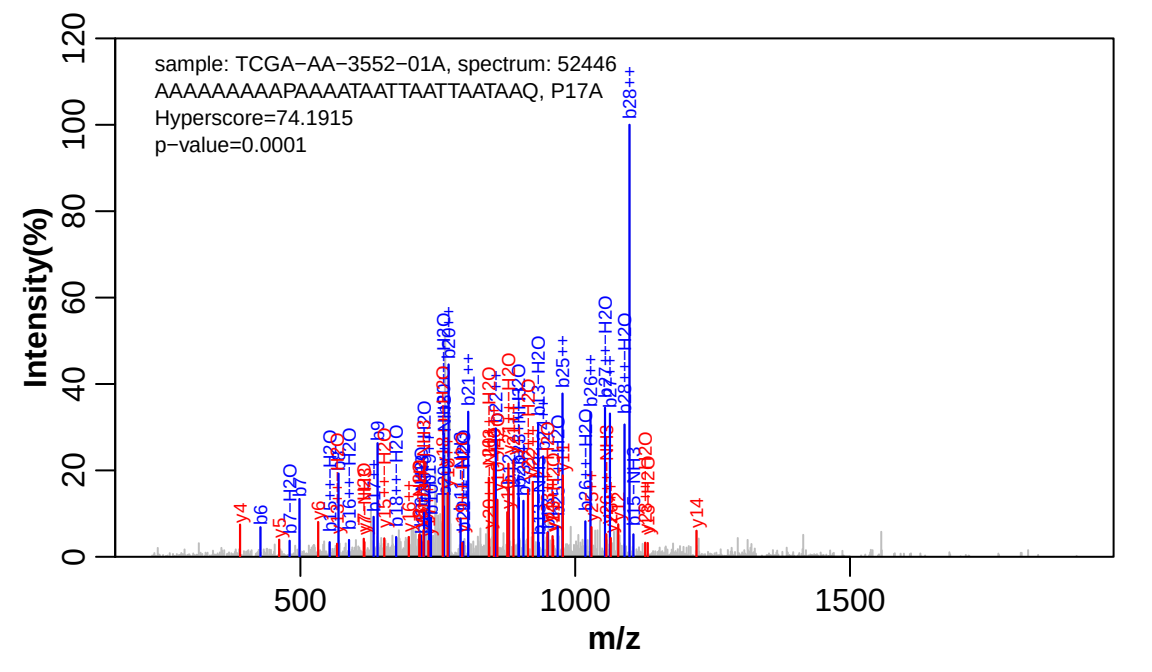

sample: TCGA−AA−3534−01A, spectrum: 22524
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=81.4078
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y10++
y5−NH3
y4
y5
y6
y7
b15++−H2O
b16++−H2O
b19++−H2O
b22++−H2O
b26++
b25++−H2O
b25++
b27++
b11
b24+−H2O
b24+
b23++−H2O
b28++−H2O
b28++
b29++−NH3
b14
b16−NH3
b16
b17
b19−H2O
b20

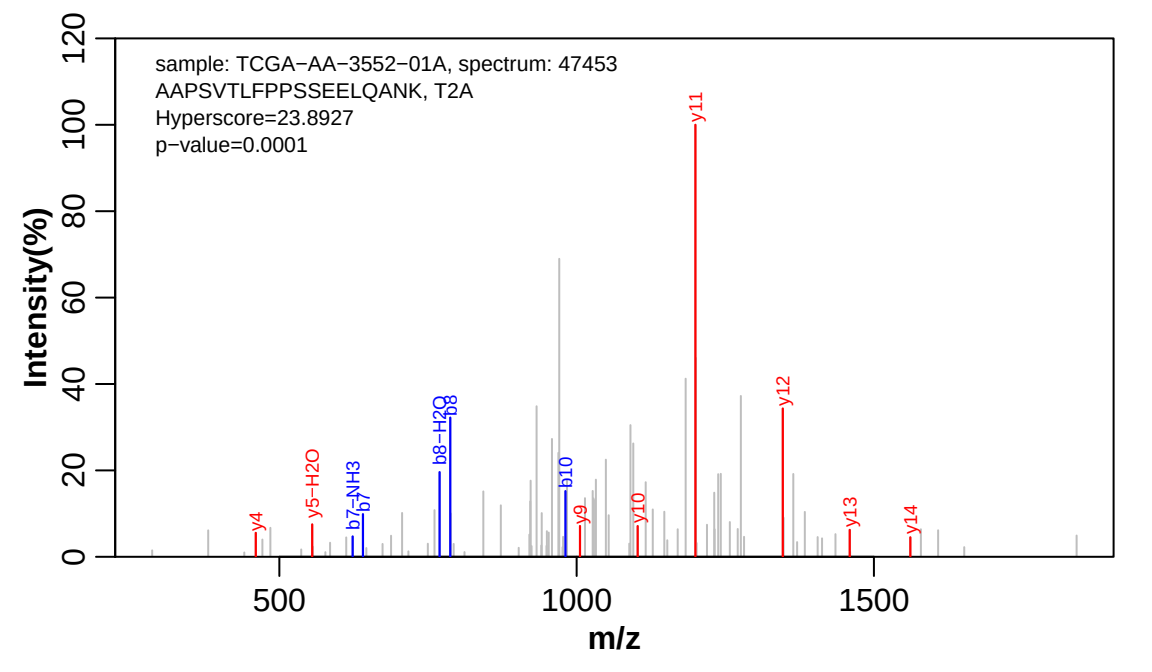

sample: TCGA−AA−3534−01A, spectrum: 93830
TPQEWAPHTAR, Q8H
Hyperscore=24.4514
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y4++
y5++−H2O
y5++
y6++−H2O
b3
y3
y7++−NH2
y7++
b4
b8++−H2O
y4
y9++−H2O
y9++
y5
y10++−H2O
b6

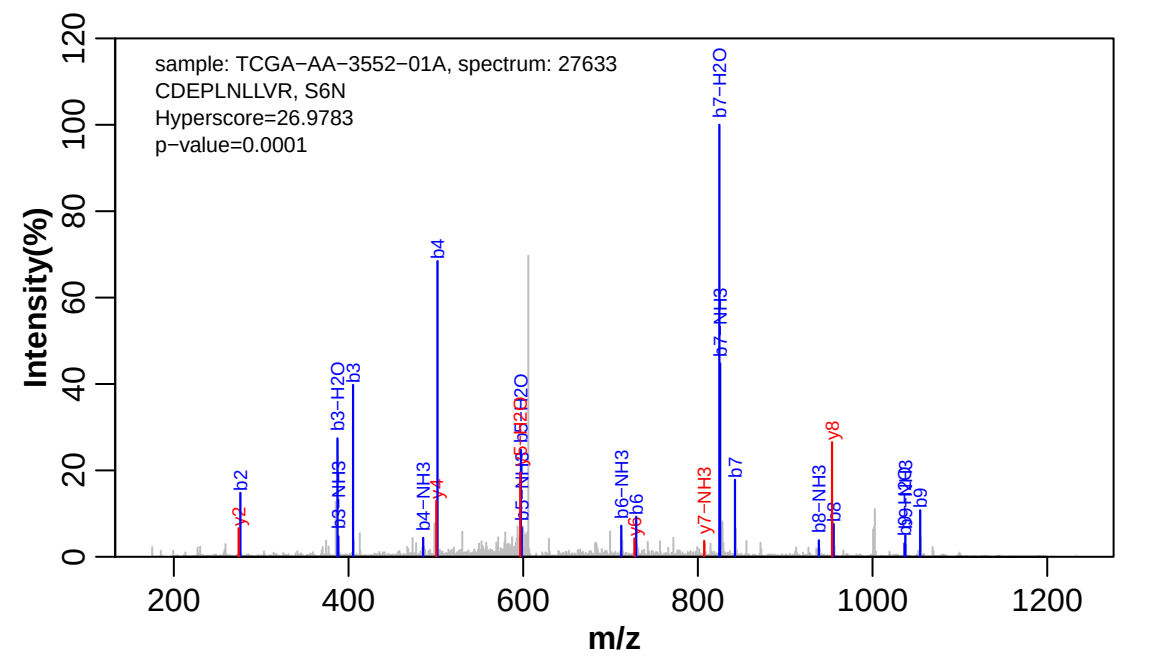

sample: TCGA−AA−3534−01A, spectrum: 83203
VPSFETAEGLGAELK, T12A
Hyperscore=16.0904
p−value=0.0001
Intensity(%)
m/z
y2−H2O
y3−H2O
y6
b6−H2O
b6
b7−NH3
b7−H2O
b7
b8
b10
b11
y11−NH3
y11

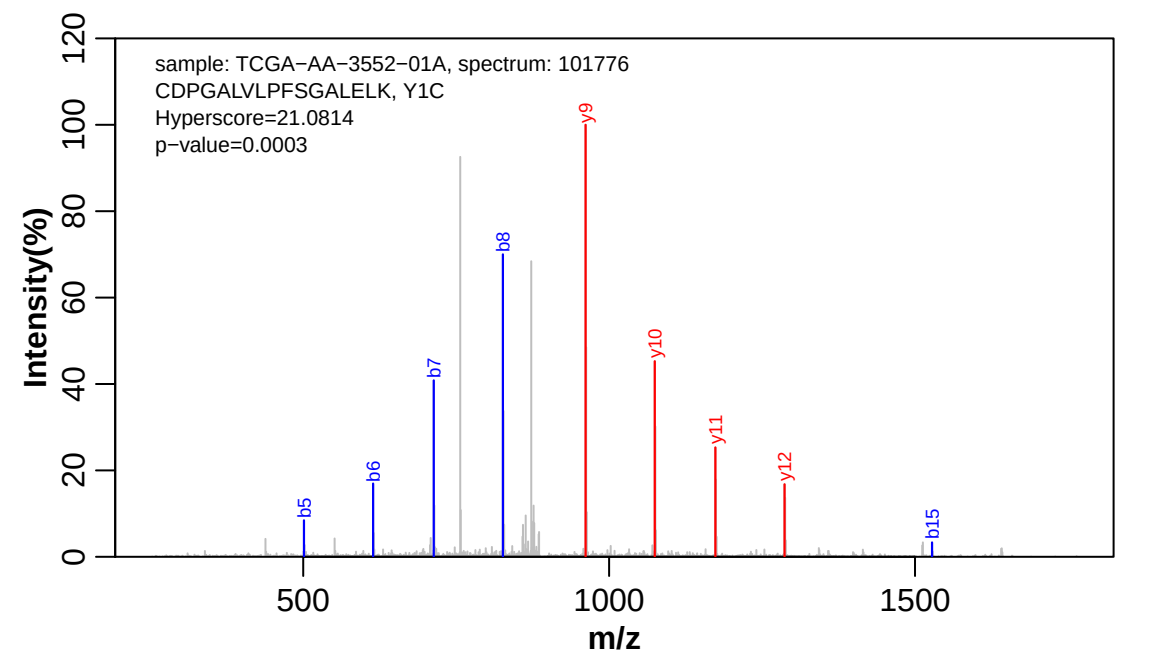

sample: TCGA−AA−3534−01A, spectrum: 1372
VSEVLLSR, G8R
Hyperscore=36.3696
p−value=0.0025
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2
y2
b3
y3
b4
b4−H2O
y4
b5
b5−H2O
y5
b6
b6−H2O
y6
b7
y7

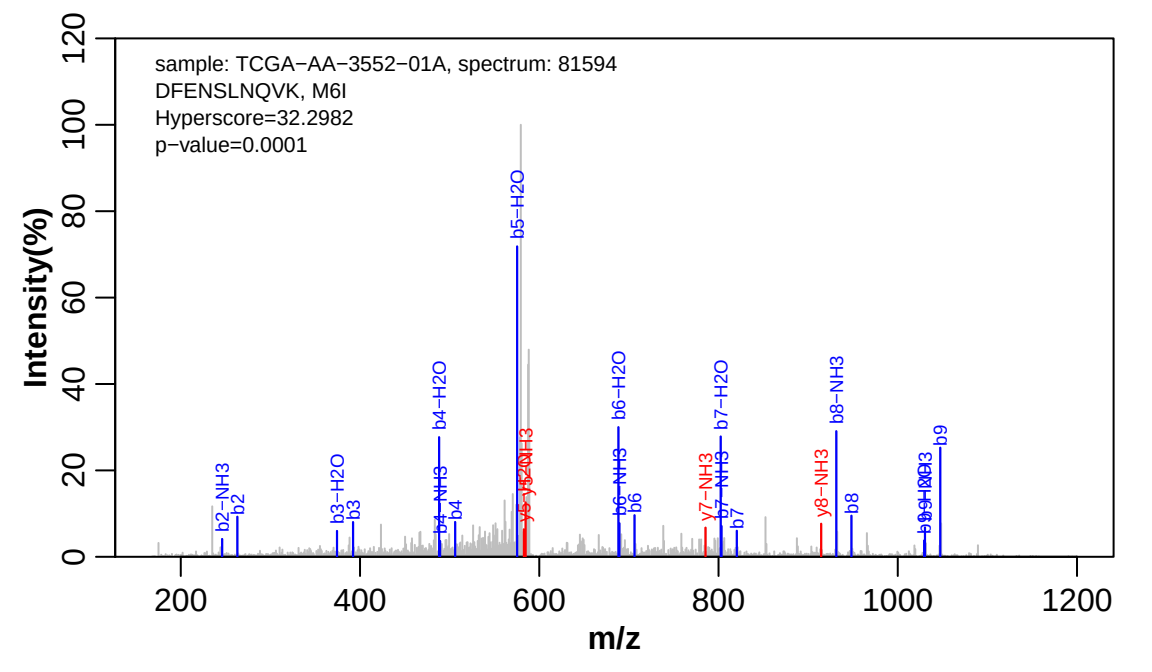

sample: TCGA−AA−3534−01A, spectrum: 60061
YQAVTDTLEEK, A6D
Hyperscore=23.3946
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−NH3
b2
b3
y3−H2O
b4
y5−H2O
y5
b6
y6
y7
b8
y8
y9
y9−H2O

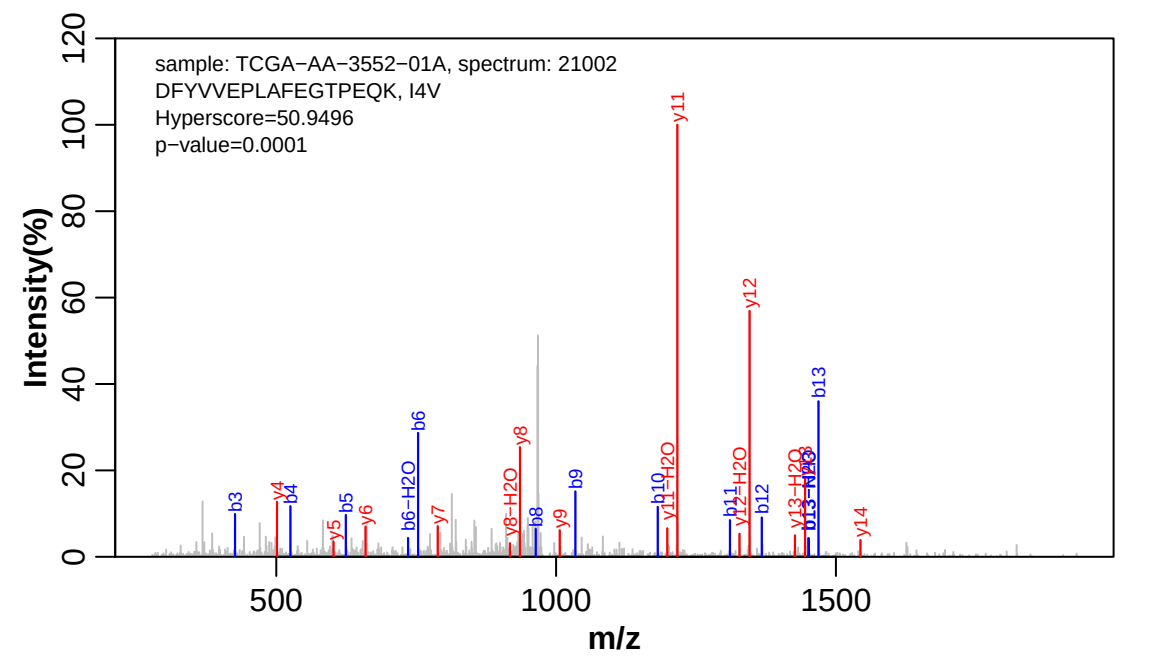

sample: TCGA−AA−3552−01A, spectrum: 52446
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=74.1915
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
y14

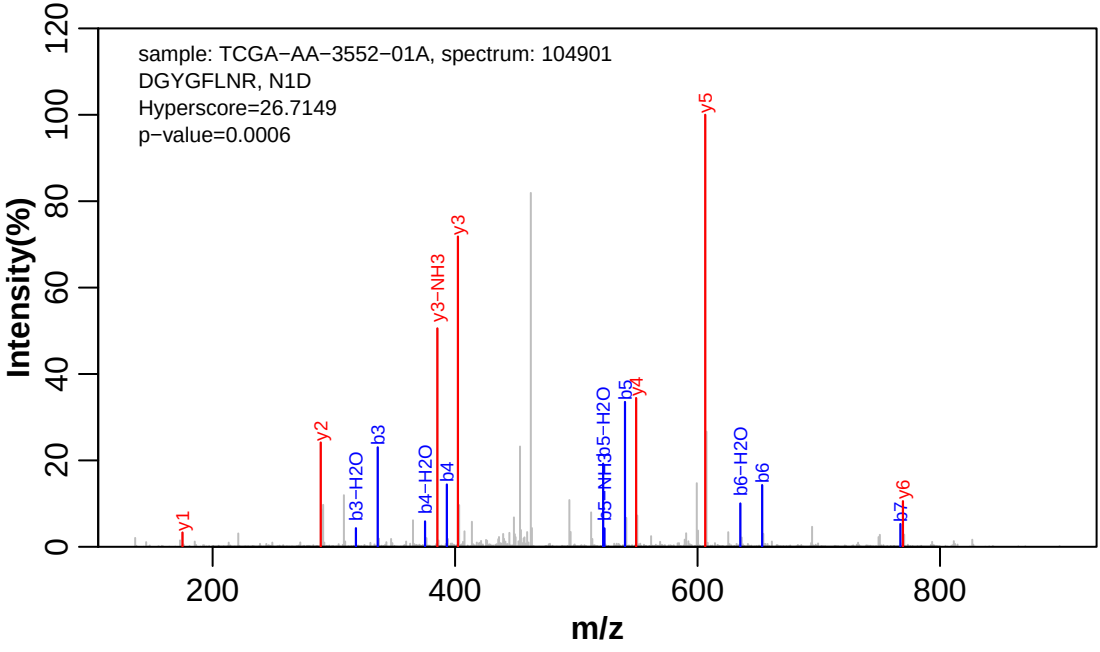

sample: TCGA−AA−3552−01A, spectrum: 47453
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=23.8927
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4
y5−H2O
b7−NH3
b7
b8−H2O
b8
b10
y9
y10
y11
y12
y13
y14

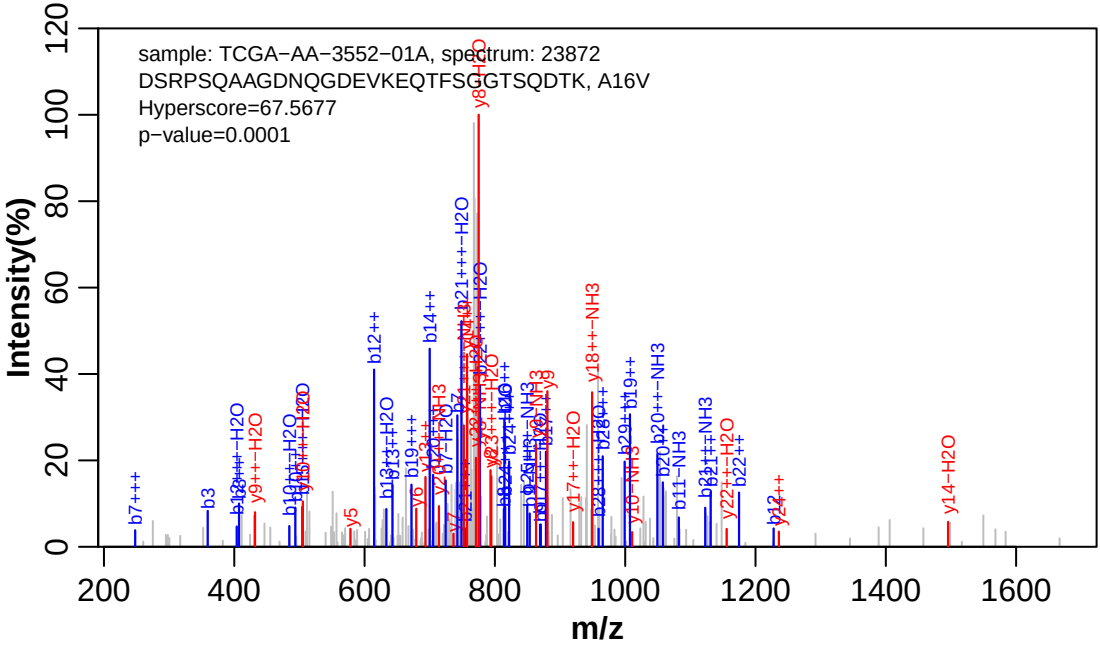

sample: TCGA−AA−3552−01A, spectrum: 27633
CDEPLNLLVR, S6N
Hyperscore=26.9783
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b7−H2O
b7
b7−NH3
b4
b3
b3−H2O
b3−NH3
b4−NH3
y4
y2
b2
b6−NH3
y6
b6
y7−NH3
y8
b8−NH3
b8
b9

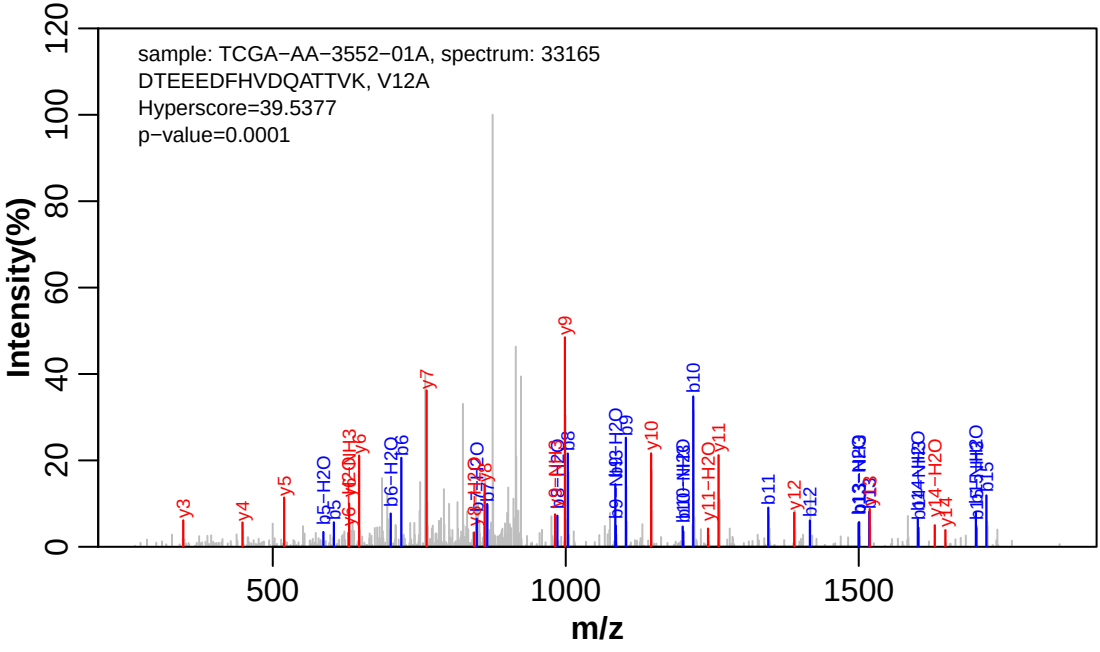

sample: TCGA−AA−3552−01A, spectrum: 101776
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.0814
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6
b7
b8
y9
y10
y11
y12
b15

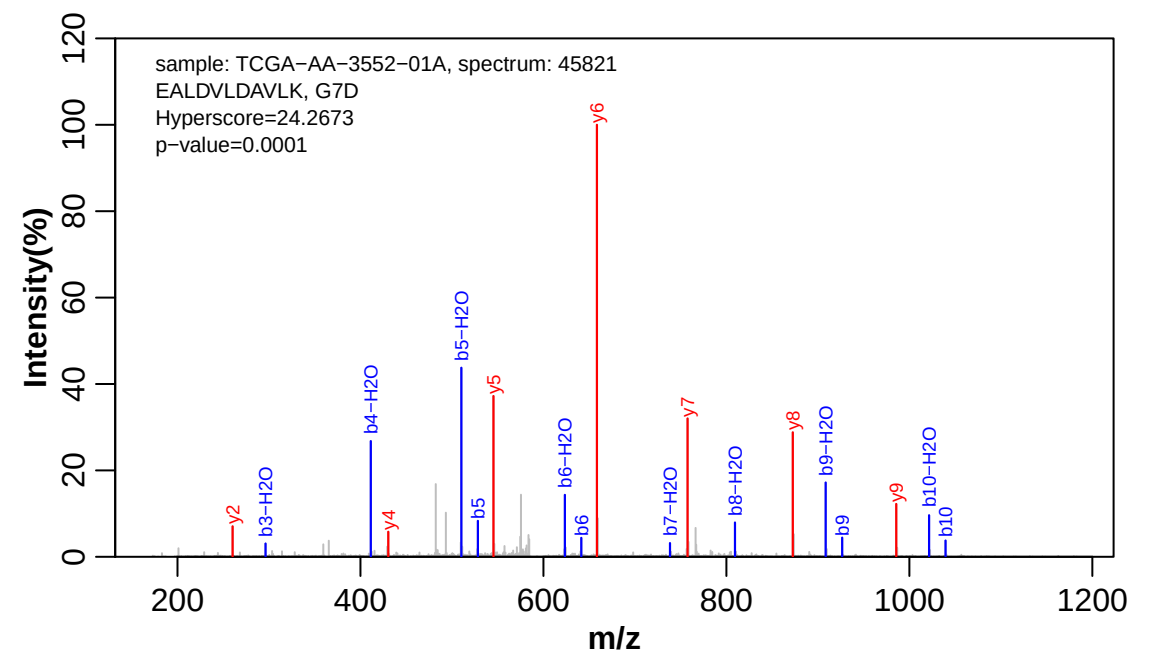

sample: TCGA−AA−3552−01A, spectrum: 81594
DFENSLNQVK, M6I
Hyperscore=32.2982
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−NH3
b2
b3−H2O
b3
b4−H2O
b4−NH3
b4
b5−H2O
y5−H2O
y5−NH3
b6−H2O
b6−NH3
b6
y7−NH3
b7−H2O
b7−NH3
b7
y8−NH3
b8−NH3
b8
b9

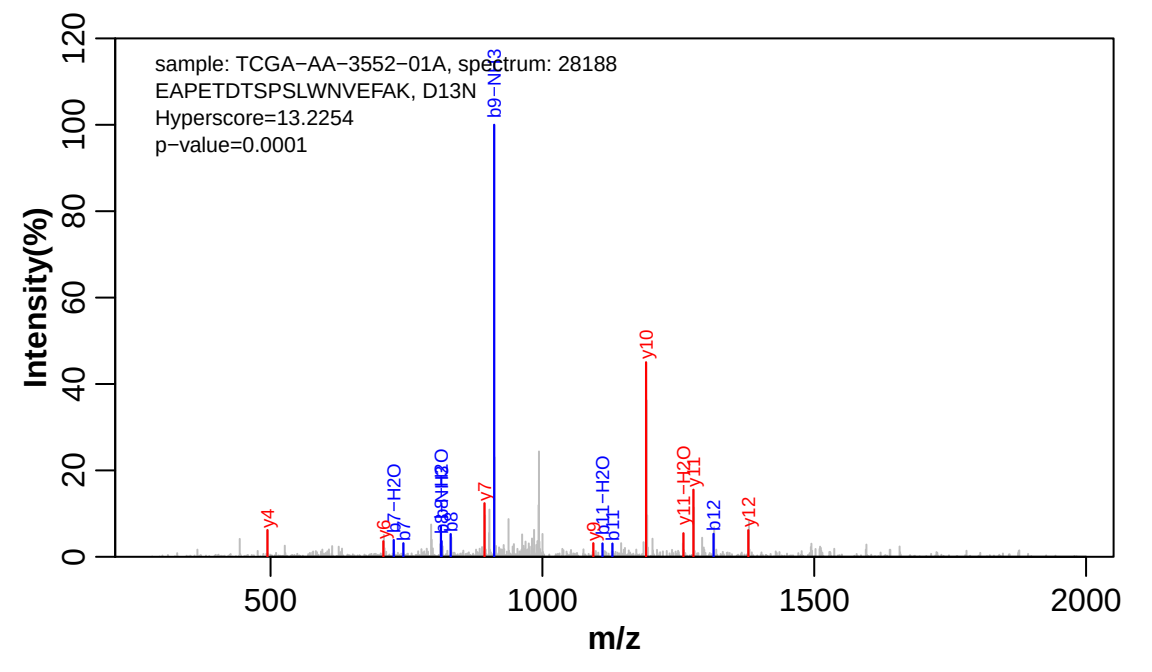

sample: TCGA−AA−3552−01A, spectrum: 21002
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=50.9496
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
y5
b5
y6
b6−H2O
b6
y7
y8−H2O
y8
b8
y9
b9
b10
y11−H2O
y11
b11
y12−H2O
y12
b12
y13−H2O
y13−NH3
b13
y14

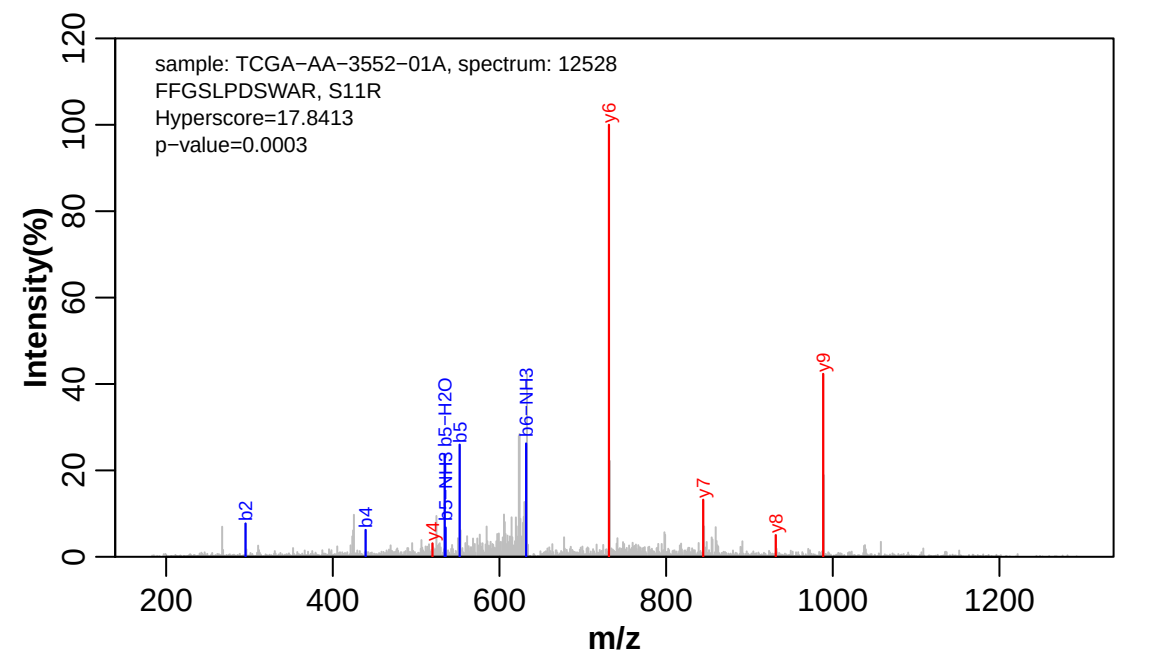

sample: TCGA−AA−3552−01A, spectrum: 104901
DGYGFLNR, N1D
Hyperscore=26.7149
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

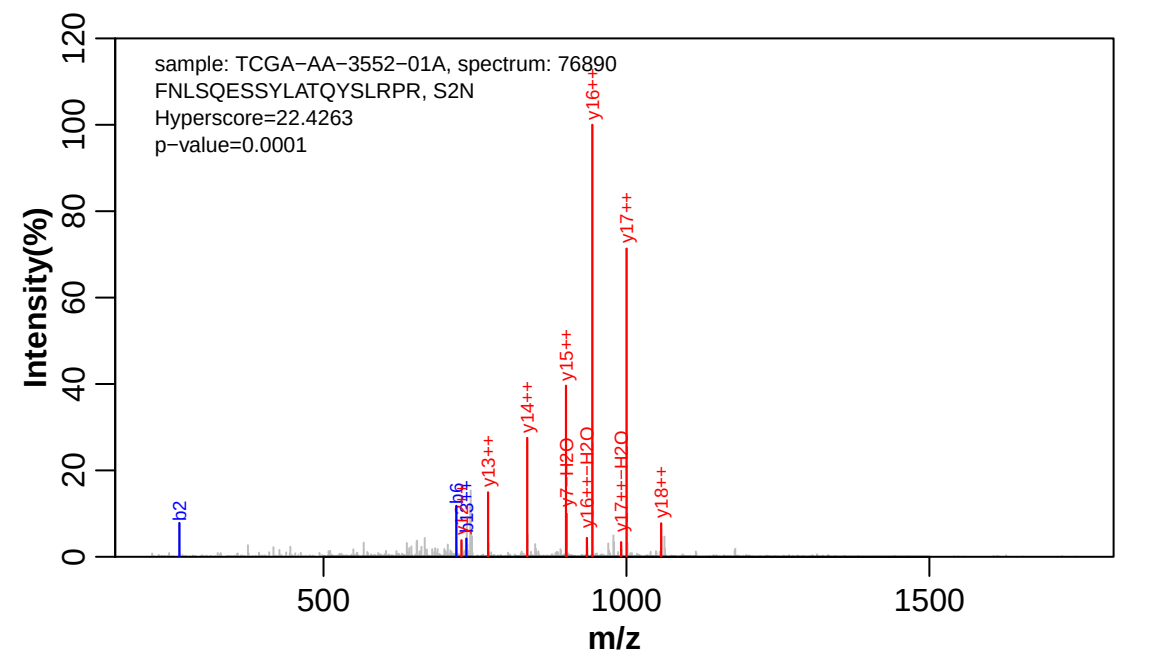

sample: TCGA−AA−3552−01A, spectrum: 23872
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=67.5677
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b7+++
b3
y9++−H2O
y5
b12++
b13++−H2O
b19+++
b14++
y8++−H2O
y14−H2O

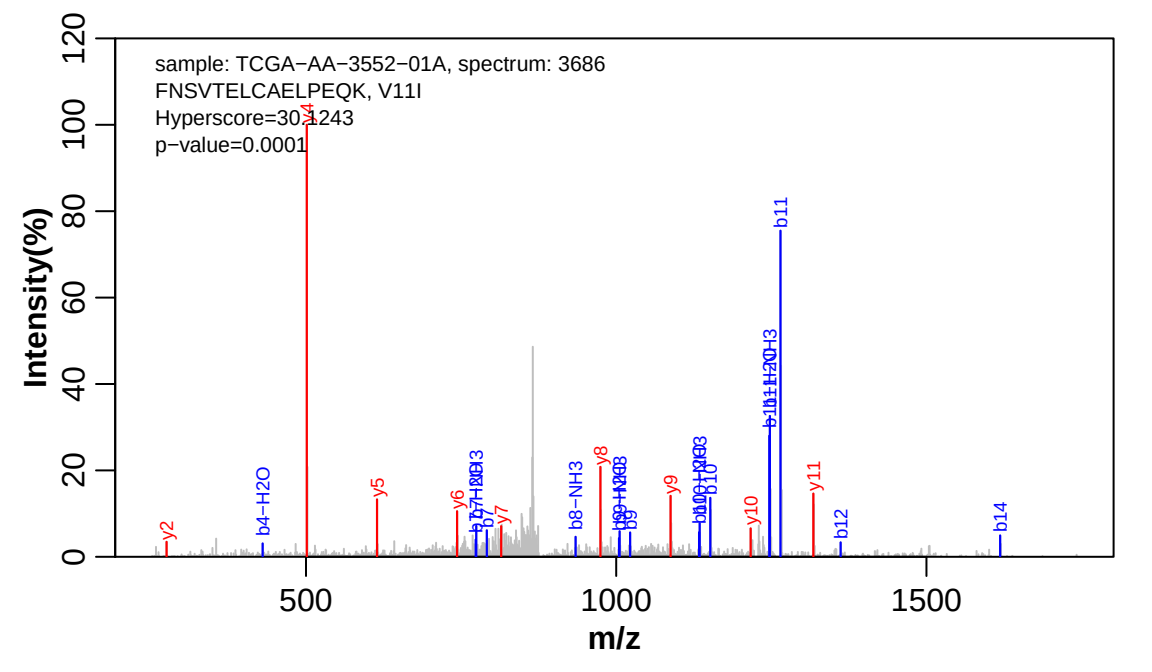

sample: TCGA−AA−3552−01A, spectrum: 33165
DTEEEDFHVDQATTVK, V12A
Hyperscore=39.5377
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
y5
b5−H2O
b5
y6
y6−H2O−NH3
y6
b6−H2O
b6
y7
y8−H2O
y8
b8−H2O
b8
y9
b9−NH3−H2O
b9
y10
b10
y11−H2O
y11
b11
y12
b12
b13−NH3
y13
y14−H2O
y14
b15−H2O
b15

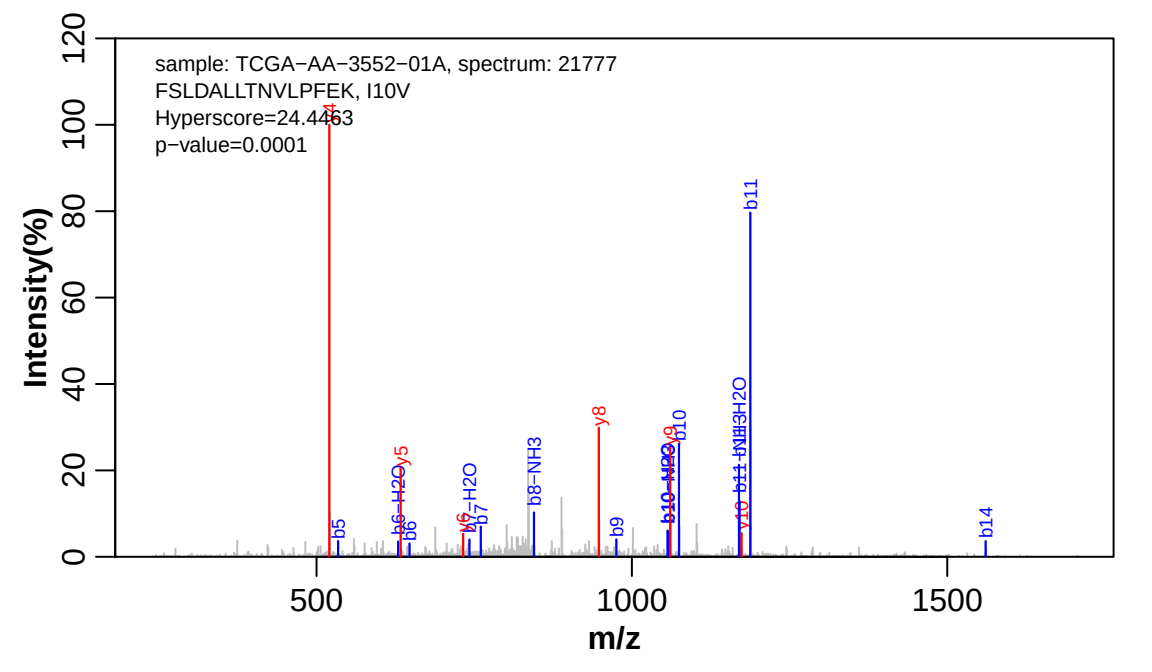

sample: TCGA−AA−3552−01A, spectrum: 45821
EALDVLDAVLK, G7D
Hyperscore=24.2673
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

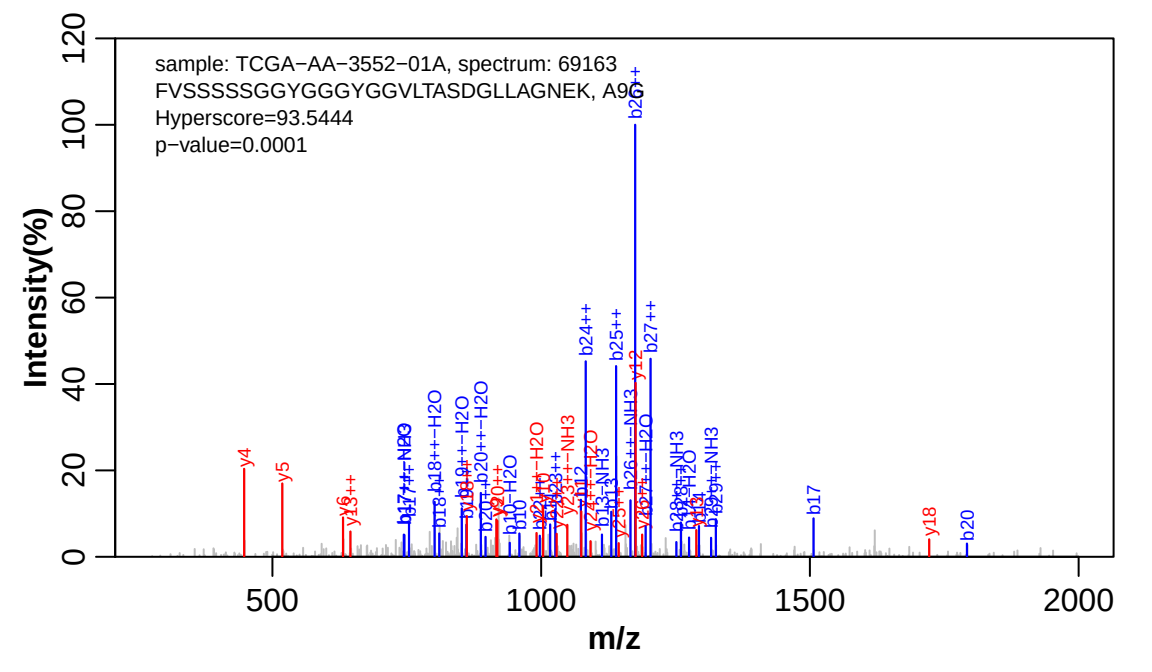

sample: TCGA−AA−3552−01A, spectrum: 28188
EAPETDTSPSLWNVEFAK, D13N
Hyperscore=13.2254
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9−NH3
y10
y11−H2O
y11
b12
y12
y4
y6
b7
y7−H2O
b8
y7
b11−H2O
b11
y8

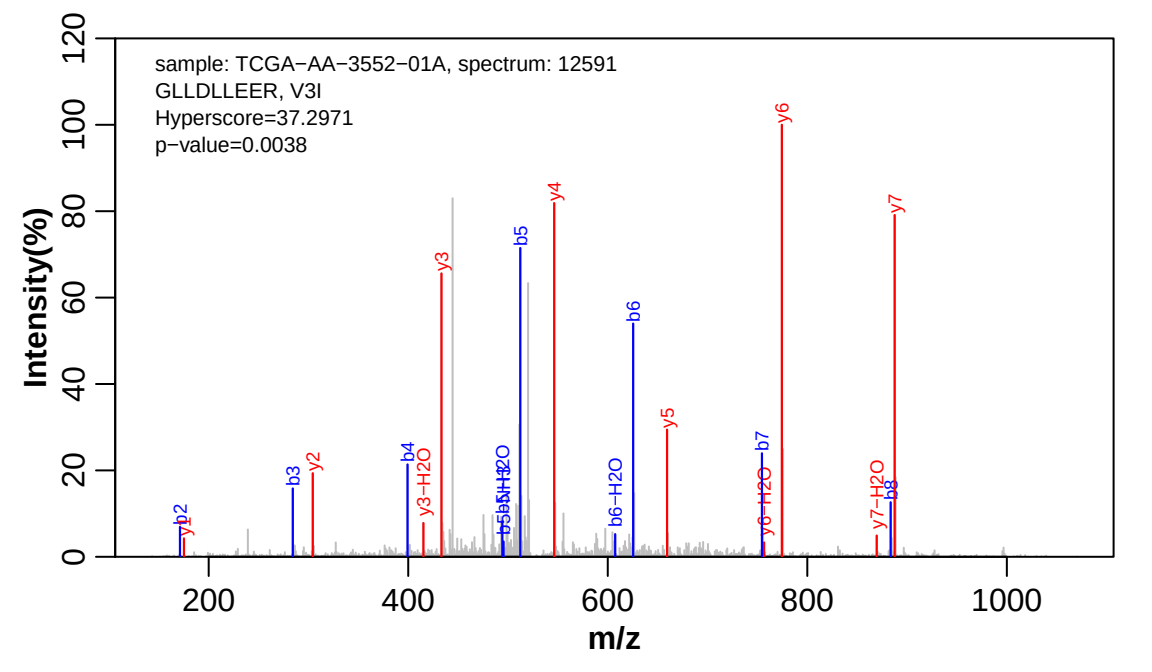

sample: TCGA−AA−3552−01A, spectrum: 12528
FFGSLPDSWAR, S11R
Hyperscore=17.8413
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

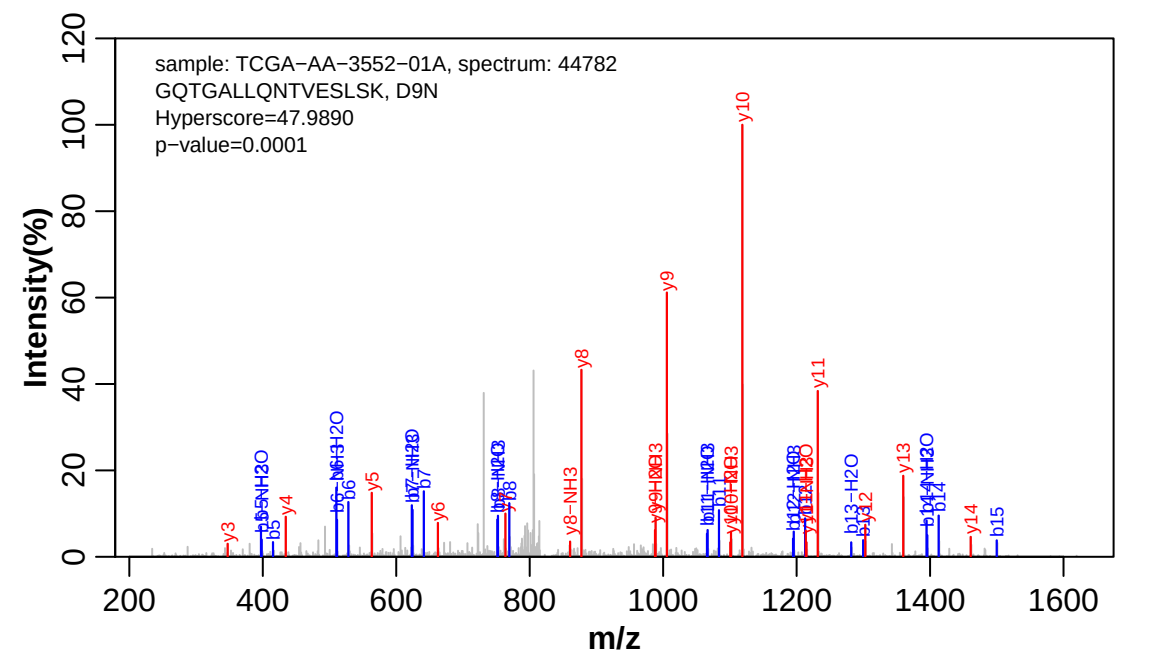

sample: TCGA−AA−3552−01A, spectrum: 76890
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=22.4263
p−value=0.0001
Intensity(%)
m/z
b2
y13++
y14++
y15++
y16++
y17++
y18++
y7−H2O
y16++−H2O
y17++−H2O

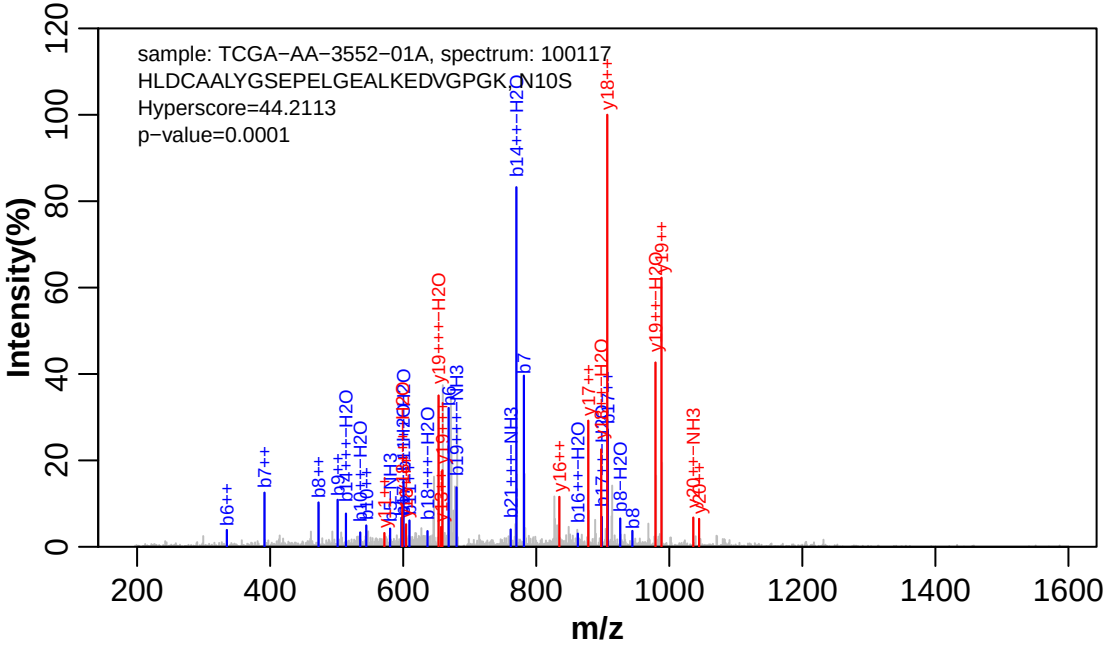

sample: TCGA−AA−3552−01A, spectrum: 3686
FNSVTELCAELPEQK, V11I
Hyperscore=30.1243
p−value=0.0001
Intensity(%)
m/z
y4
y2
b4−H2O
y5
y6
y7
b8−NH3
y8
y9
y10
b11
y11
b12
b14

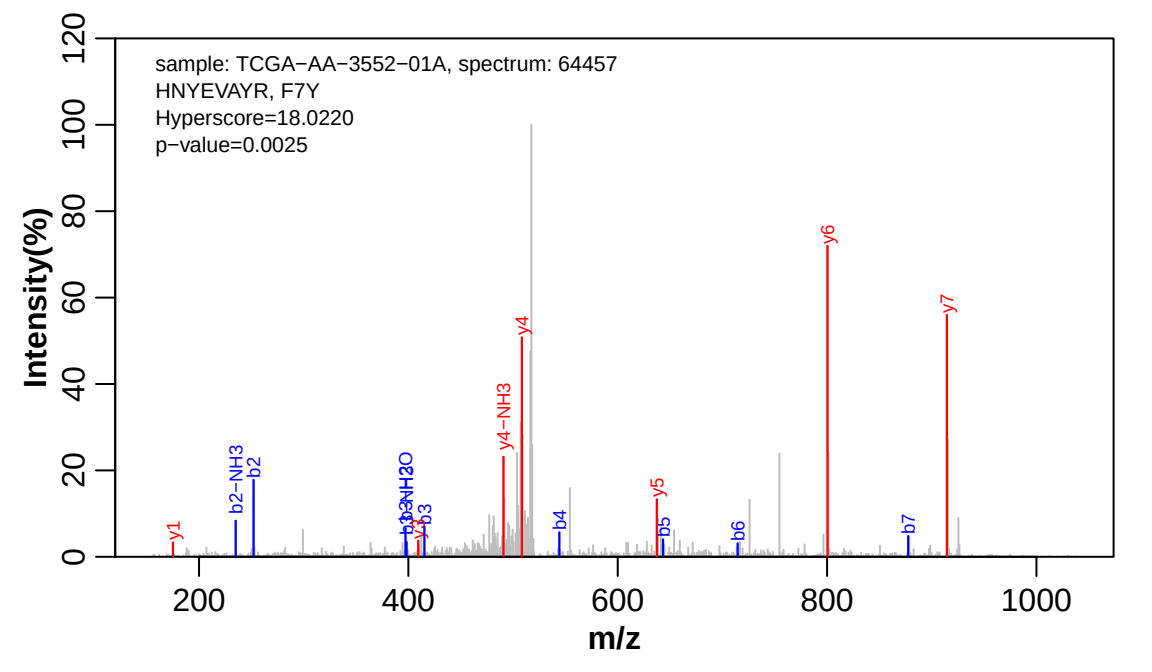

sample: TCGA−AA−3552−01A, spectrum: 21777
FSLDALLTNVLPFEK, I10V
Hyperscore=24.4463
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11
b5
b6−H2O
y5
b6
y6
b7−H2O
b7
b8−NH3
y8
b9
b10−NH3
b10−H2O
b10
y9
y10
b11−NH3
b11−H2O
b11
b14

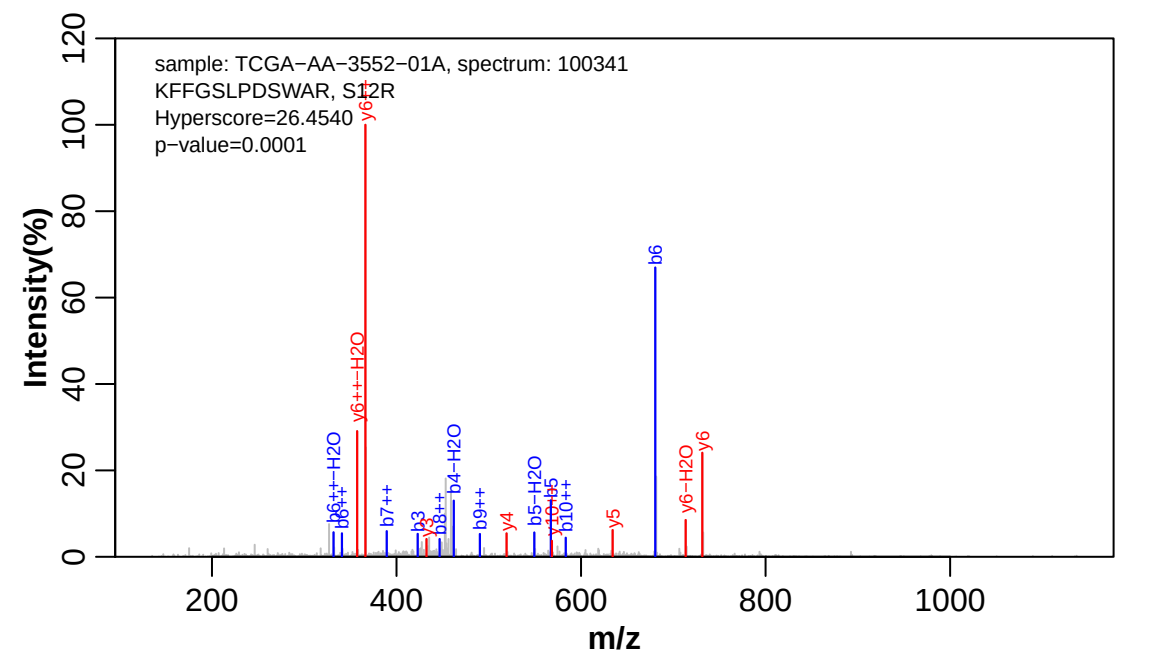

sample: TCGA−AA−3552−01A, spectrum: 69163
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=93.5444
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
y5
y6
y13++
b17++
b18++
b18++−H2O
b19++
b19++−H2O
b20++
b20++−H2O
y20++
b10
b10−H2O
y23++
y23++−NH3
y24++
y24++−H2O
y25++
b24++
b25++
b26++−NH3
y42
b26++
b27++
b26++−H2O
b28++−NH3
b28++−H2O
b29++
b29++−NH3
b17
y18
b20

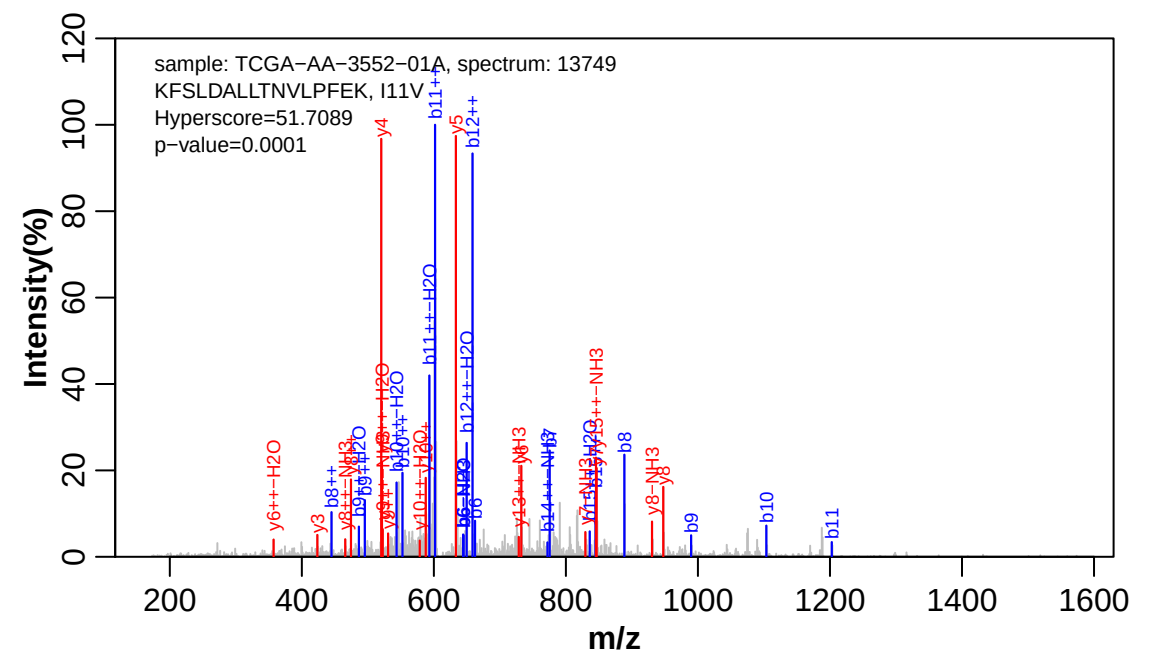

sample: TCGA−AA−3552−01A, spectrum: 12591
GLLDLLEER, V3I
Hyperscore=37.2971
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y2
b4
y3−H2O
y3
b5
y4
b6
b6−H2O
y5
y6−H2O
b7
y6
y7−H2O
b8
y7

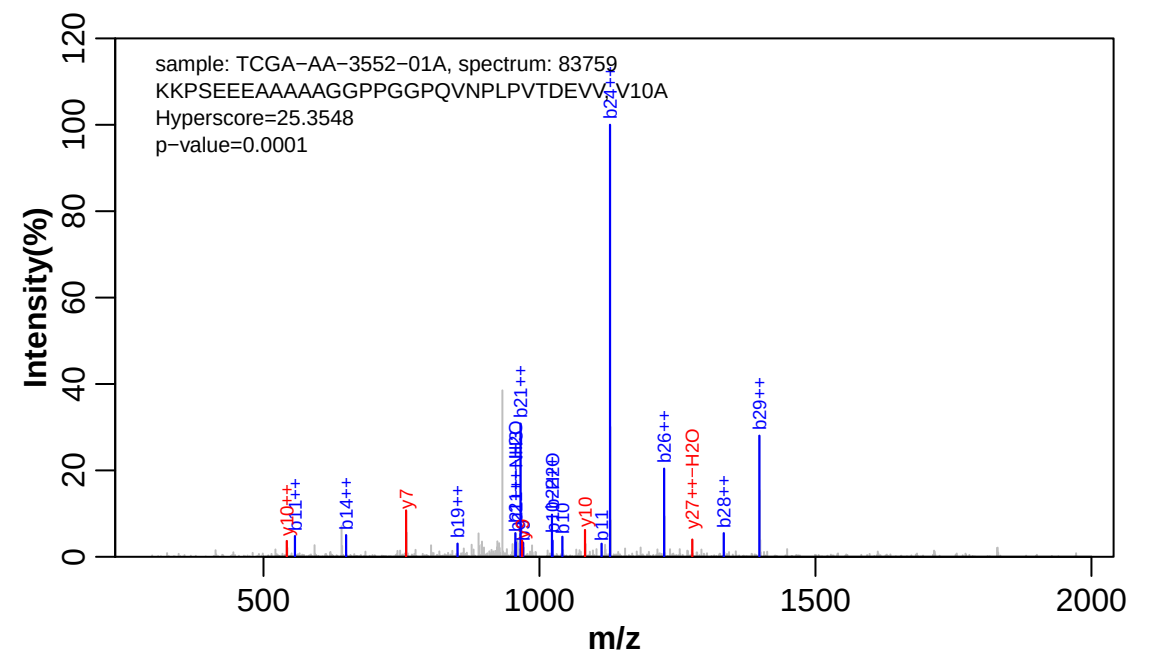

sample: TCGA−AA−3552−01A, spectrum: 44782
GQTGALLQNTVESLSK, D9N
Hyperscore=47.9890
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
b15
y8−NH3
b13−H2O
y3
y4
y5
y6

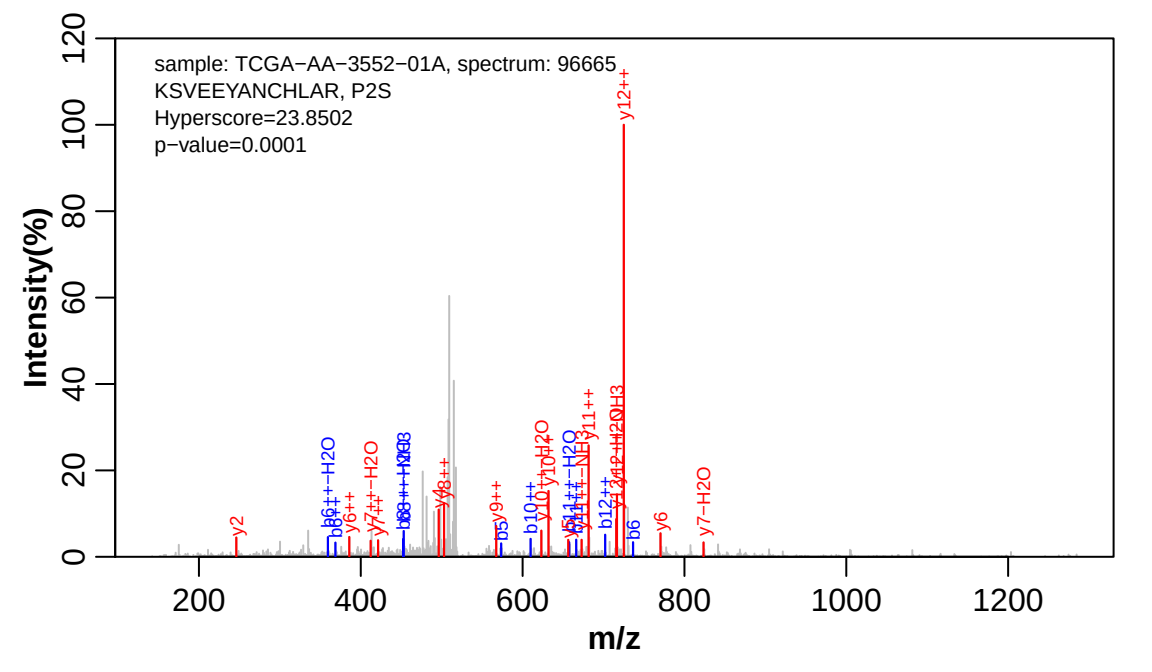

sample: TCGA−AA−3552−01A, spectrum: 100117
HLDCAALYGSEPELGEALKEDVGPGKQN10S
Hyperscore=44.2113
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b6++
b7++
b8++
b8−H2O
b8
b14+++−H2O
b14+++−NH3
b7
b16++−H2O
y16++
y17++
y18++
y19+++−H2O
y19+++−NH3
y19++−H2O
y19++
y20++−NH3

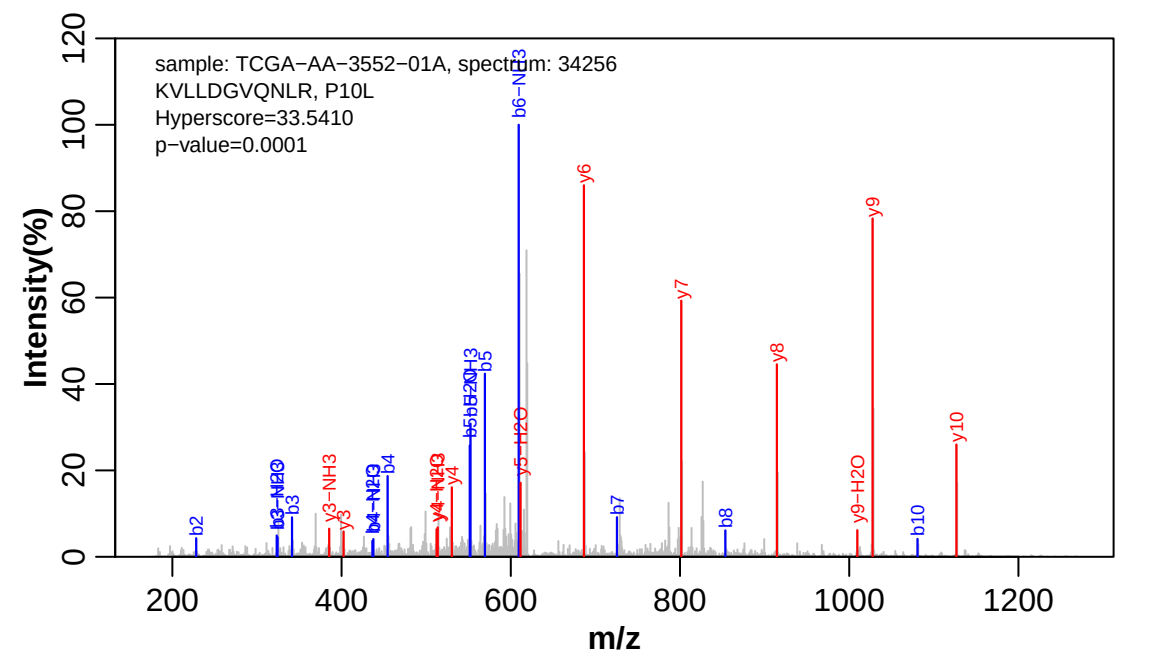

sample: TCGA−AA−3552−01A, spectrum: 64457
HNYEVAYR, F7Y
Hyperscore=18.0220
p−value=0.0025
Intensity(%)
m/z
y1
b2−NH3
b2
b3
y4−NH3
y4
y5
b4
b5
b6
y6
b7
y7

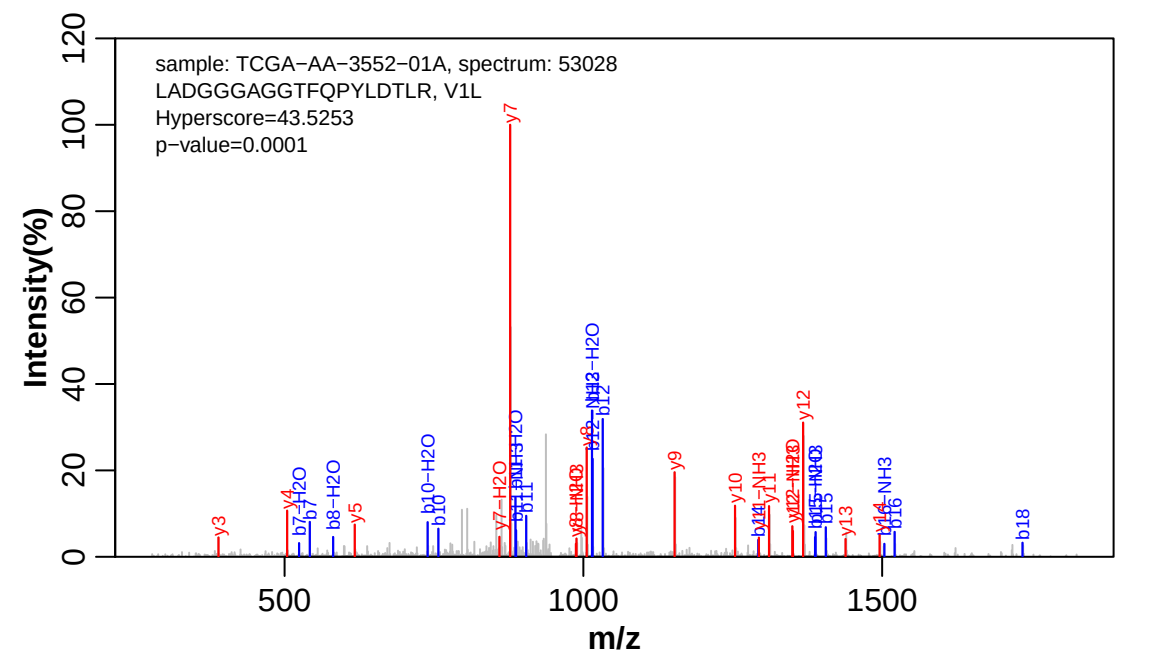

sample: TCGA−AA−3552−01A, spectrum: 100341
KFFGSLPDSWAR, S12R
Hyperscore=26.4540
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y6++
y6++−H2O
b6++−H2O
b6++
b7++
b3
y3
b8++
b4−H2O
b9++
y4
b5−H2O
y10++b5
b10++
y5
b6
y6−H2O
y6

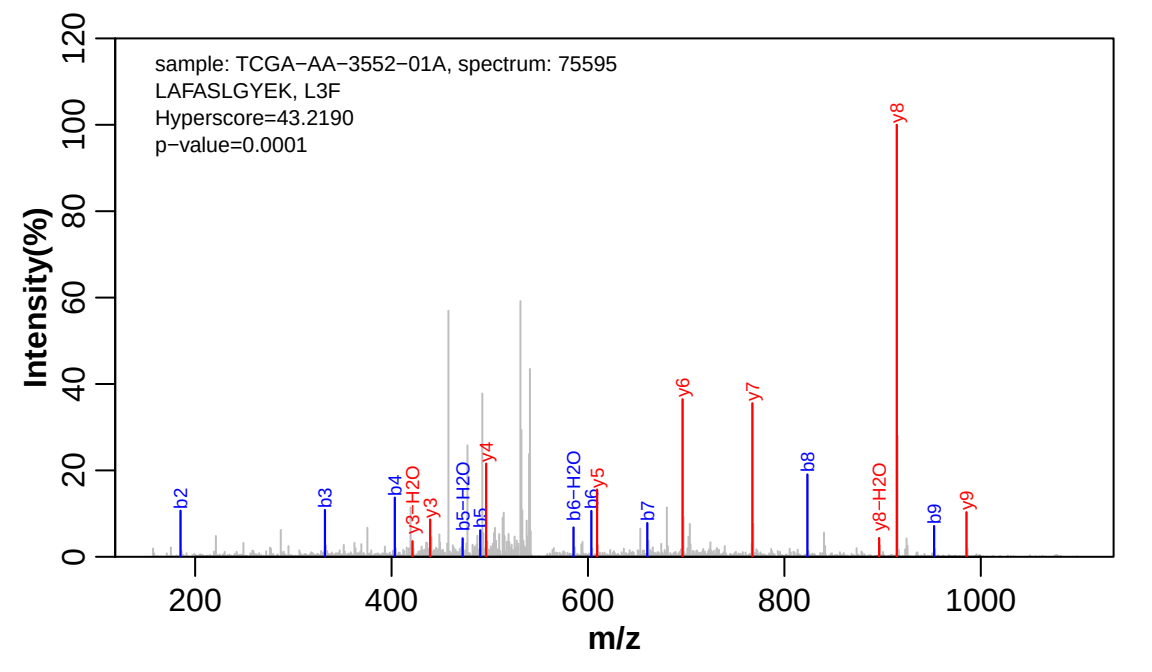

sample: TCGA−AA−3552−01A, spectrum: 13749
KFSLDALLTNVLPFEK, I11V
Hyperscore=51.7089
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4
b11++
y5
b12++
b11++−H2O
b12++−H2O
y6++−H2O
y3
b8++
b10++−H2O
b10++
y8++−NH3
b9++−H2O
y10++−H2O
y13++−NH3
y8−NH3
y8
b8
b9
b10
b11

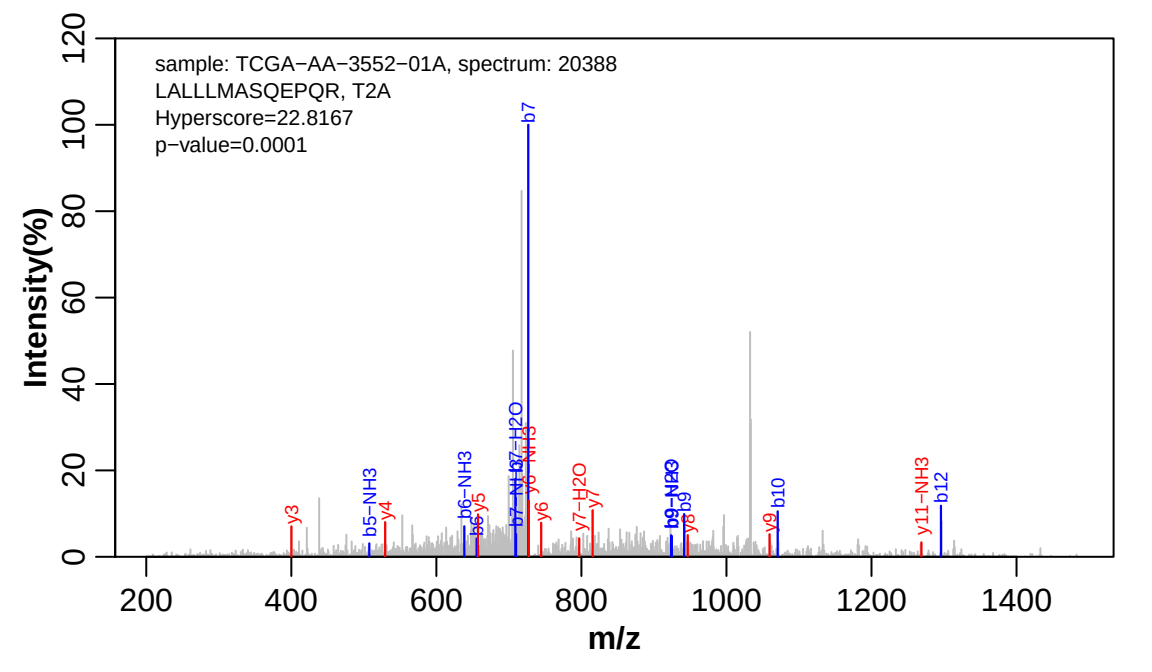

sample: TCGA−AA−3552−01A, spectrum: 83759
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=25.3548
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b21++
b21++−H2O
b26++
y27++−H2O
b29++
b28++
b14++
y7
b19++
y10
b11

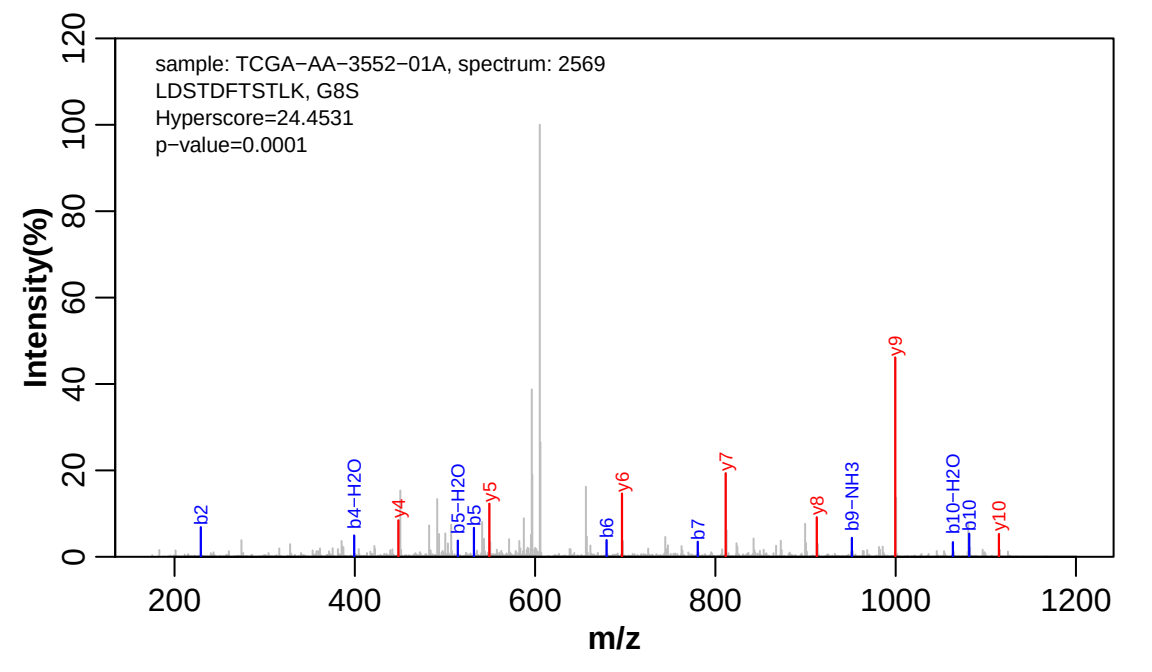

sample: TCGA−AA−3552−01A, spectrum: 96665
KSVEEYANCHLAR, P2S
Hyperscore=23.8502
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y12++
y2
b6++−H2O
y6++
y7++−H2O
y8++
y9++
b9
b10++
y10++−H2O
y11++
b12++
b6
y6
y7−H2O

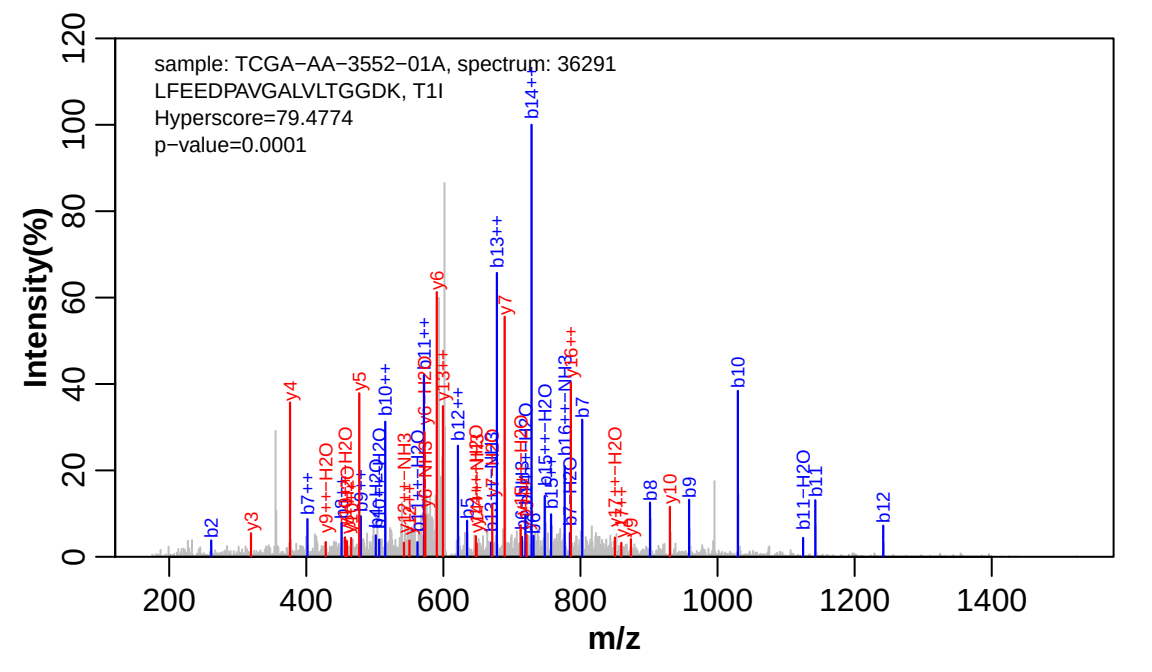

sample: TCGA−AA−3552−01A, spectrum: 34256
KVLLDGVQNLR, P10L
Hyperscore=33.5410
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3−NH3
y3
b4
y4
y5−H2O
b6−NH3
y6
b7
y7
b8
y8
y9
y9−H2O
b10
y10

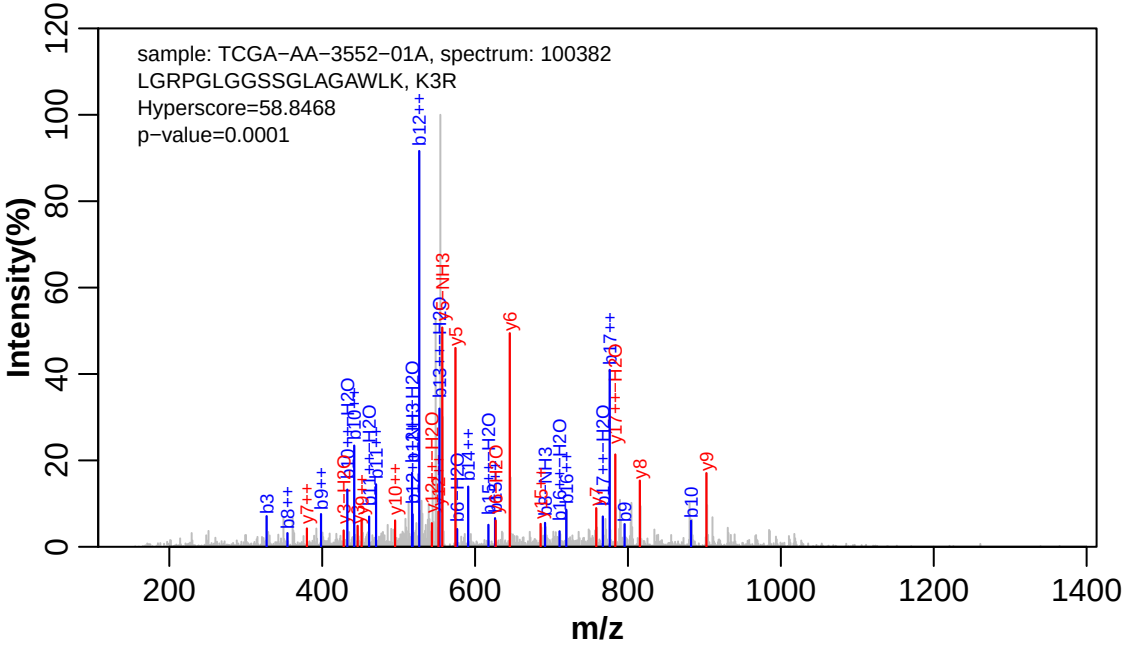

sample: TCGA−AA−3552−01A, spectrum: 53028
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=43.5253
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y7
y3
y4
b7−H2O
b7
b8−H2O
y5
b10−H2O
b10
y7−H2O
y9
y10
y11−NH3
y12
y13
b15
b16−NH3
b16
b18

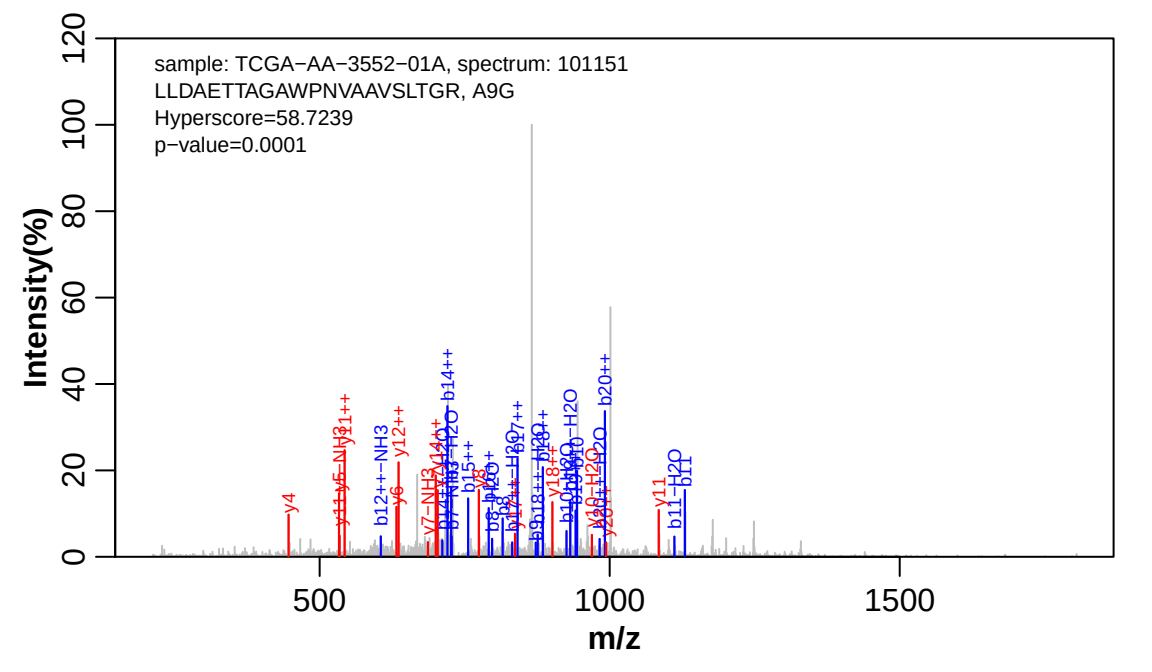

sample: TCGA−AA−3552−01A, spectrum: 75595
LAFASLGYEK, L3F
Hyperscore=43.2190
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
b4
y3−H2O
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
b7
y6
y7
b8
y8−H2O
y8
b9
y9

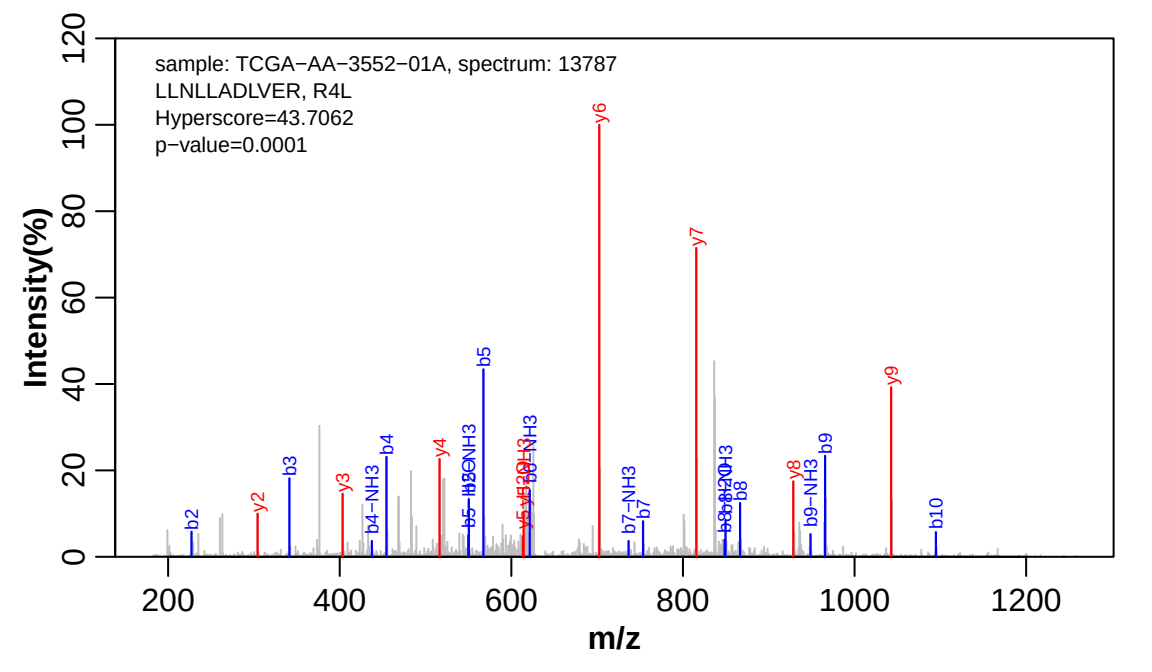

sample: TCGA−AA−3552−01A, spectrum: 20388
LALLLMASQEPQR, T2A
Hyperscore=22.8167
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b7
b7−H2O
b7−NH3
y6−NH3
y6
y7−H2O
y7
b5−NH3
y4
y3
b6−NH3
b6
y5
b9−NH3
b9−H2O
b9
y8
y9
b10
y11−NH3
b12

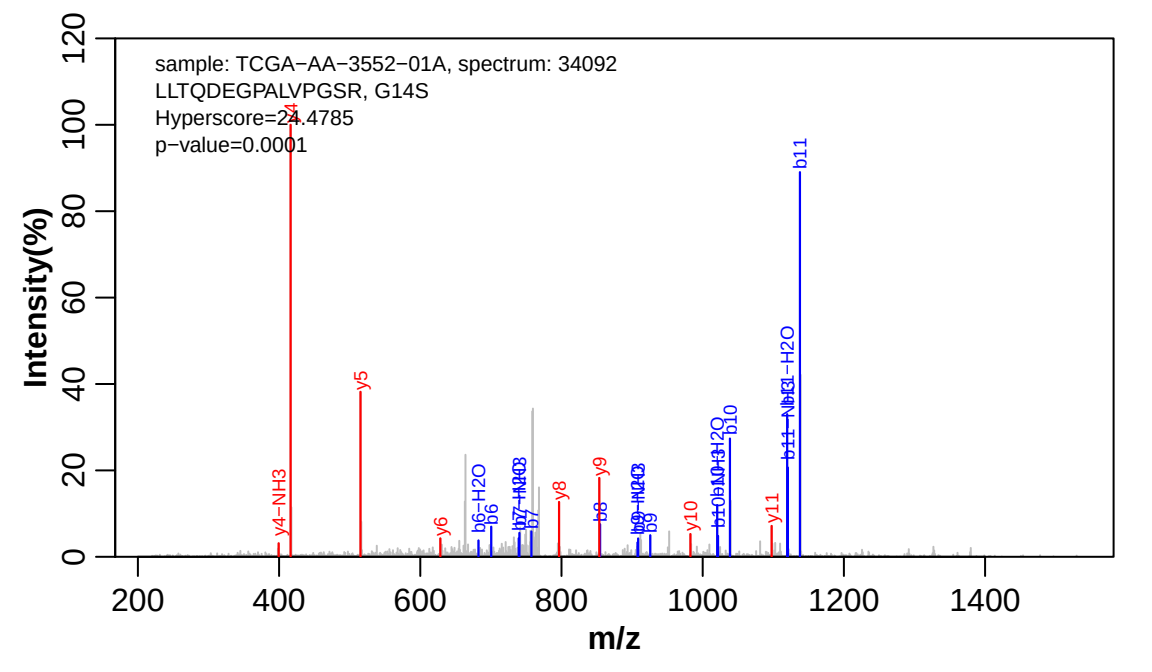

sample: TCGA−AA−3552−01A, spectrum: 2569
LDSTDFTSTLK, G8S
Hyperscore=24.4531
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
b6
y6
b7
y7
y8
b9−NH3
y9
b10−H2O
b10
y10

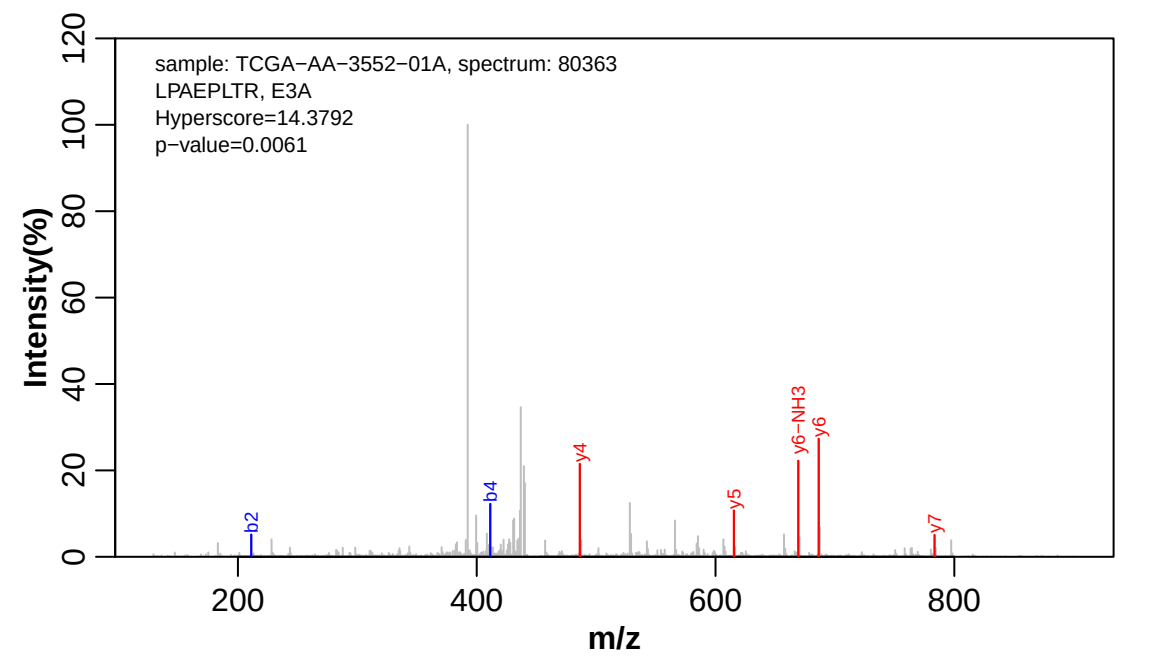

sample: TCGA−AA−3552−01A, spectrum: 36291
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=79.4774
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
y9++−H2O
y5
b10++
b14++
b13++
y6
y7
b12++
b7
b10
b11−H2O
b11
b12
b8
y10
b9

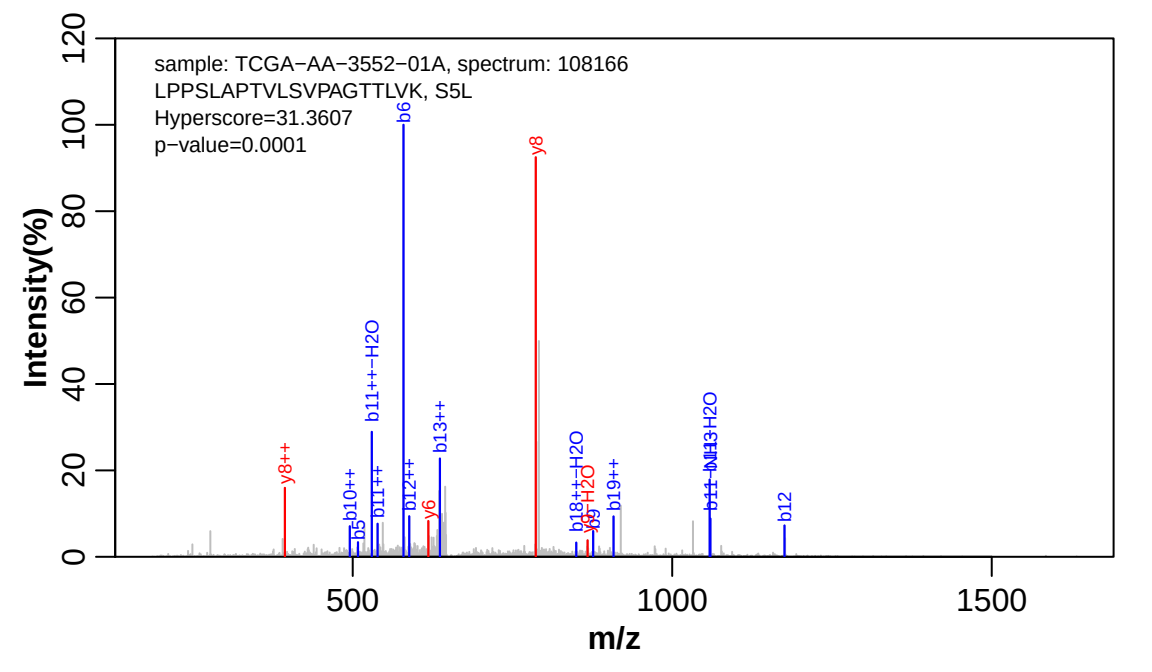

sample: TCGA−AA−3552−01A, spectrum: 100382
LGRPGLGGSSGLAGAWLK, K3R
Hyperscore=58.8468
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b12++
b3
b8++
y7++
b9++
y10++
y6
y5
y9
y8
b10
b9
b7
b6
b5
b4++
y17++
y15++
y14++
y13++
y12++
y11++
y9++
y8++
y7++
y6++
y5++
y4++
y3++
y2++
y1++
b17++
b16++
b15++
b14++
b13++
b12++
b11++
b10++
b8++
b7++
b6++
b5++
b4++
b3++
b2++
b1++
H2O
NH3

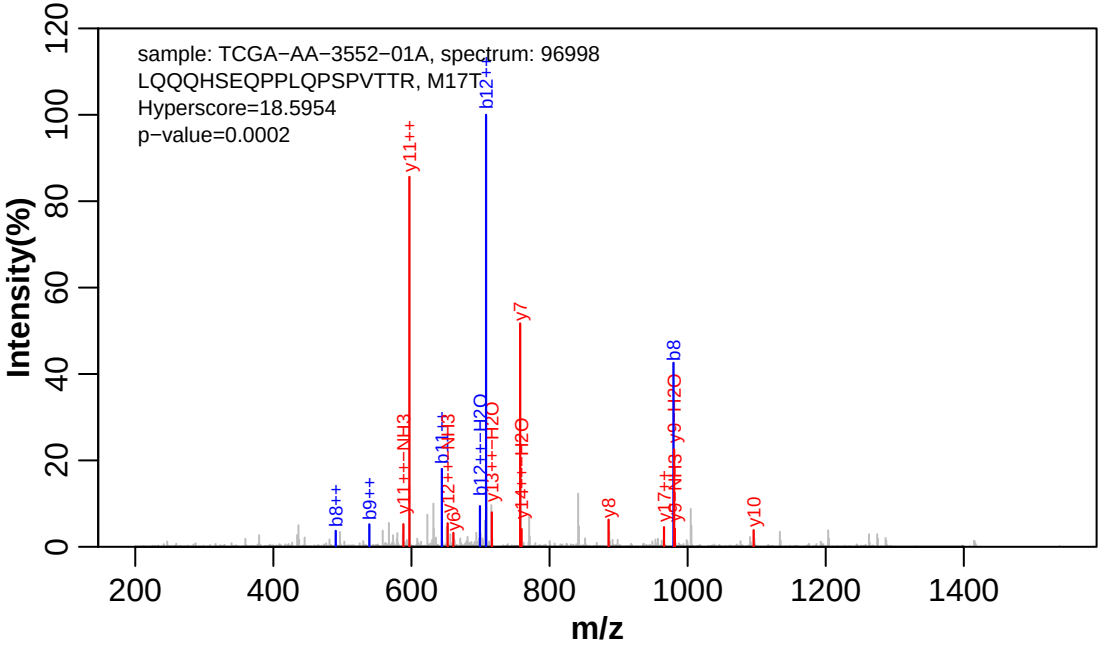

sample: TCGA−AA−3552−01A, spectrum: 101151
LLDAETTAGAWPNVAAVSLTGR, A9G
Hyperscore=58.7239
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y11−NH3
y11++
b12++−NH3
y6
y12++
y7−NH3
b14++
b15++
b2O++
b17++
b18++
y18++
b19++
b20++
y11
b11−H2O
b11

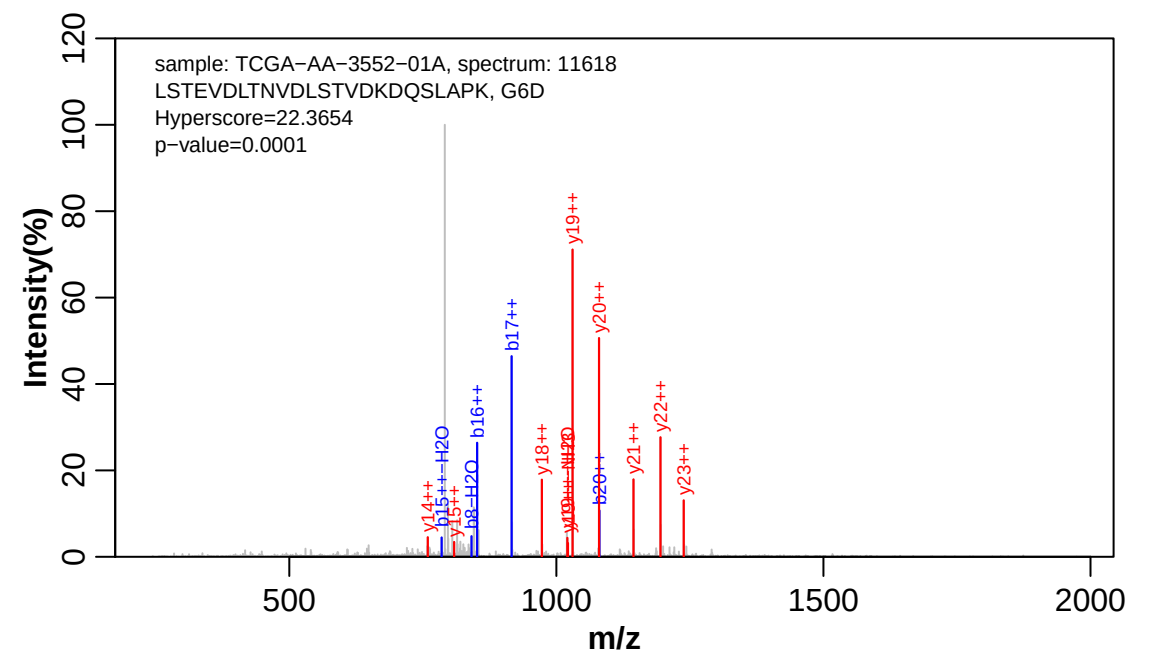

sample: TCGA−AA−3552−01A, spectrum: 13787
LLNLLADLVER, R4L
Hyperscore=43.7062
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
b5
y4
b4
b3
y3
y2
b2
b4−NH3
b5−NH3
b7−NH3
b9−NH3
b10
b9
b8
y8
b7

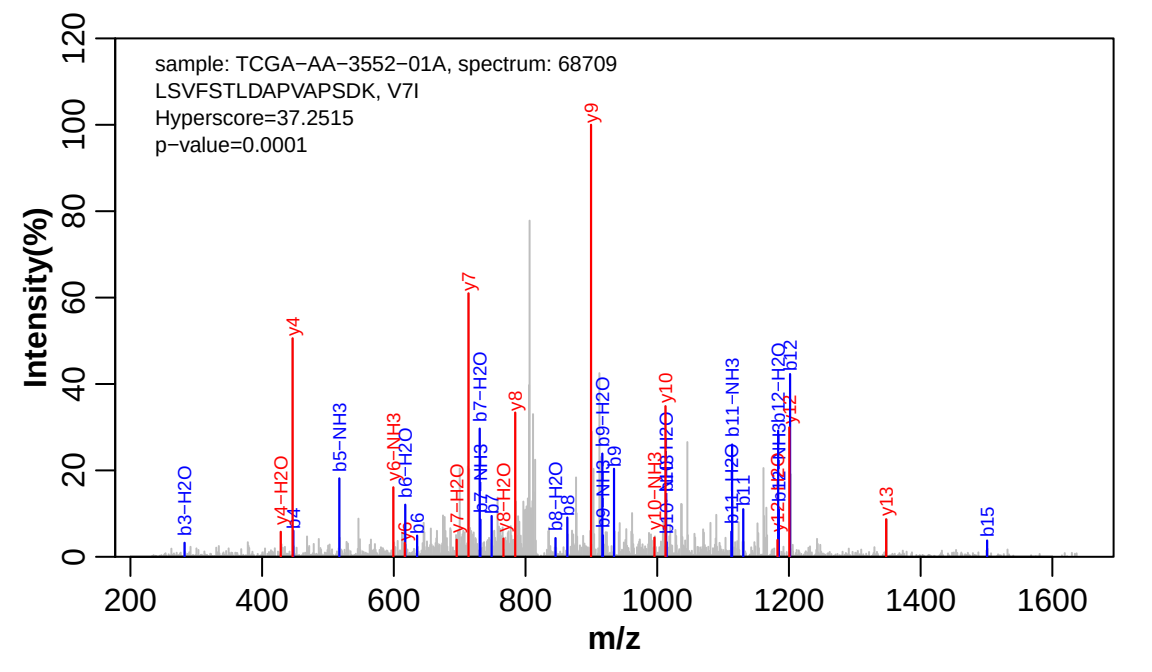

sample: TCGA−AA−3552−01A, spectrum: 34092
LLTQDEGPALVPGSR, G14S
Hyperscore=24.4785
p−value=0.0001
Intensity(%)
m/z
y4−NH3
y4
y5
y6
b6−H2O
b6
y8
y9
b8
y10
b10
b11
y11
b11−H2O

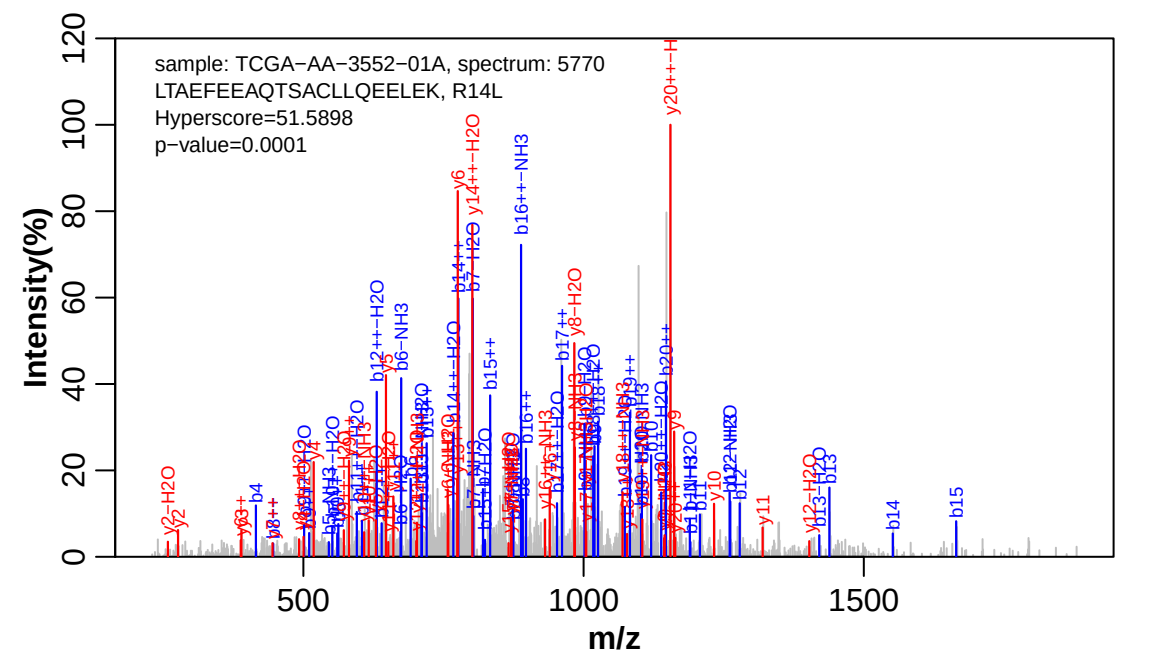

sample: TCGA−AA−3552−01A, spectrum: 80363
LPAEPLTR, E3A
Hyperscore=14.3792
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b4
y4
y5
y6−NH3
y6
y7

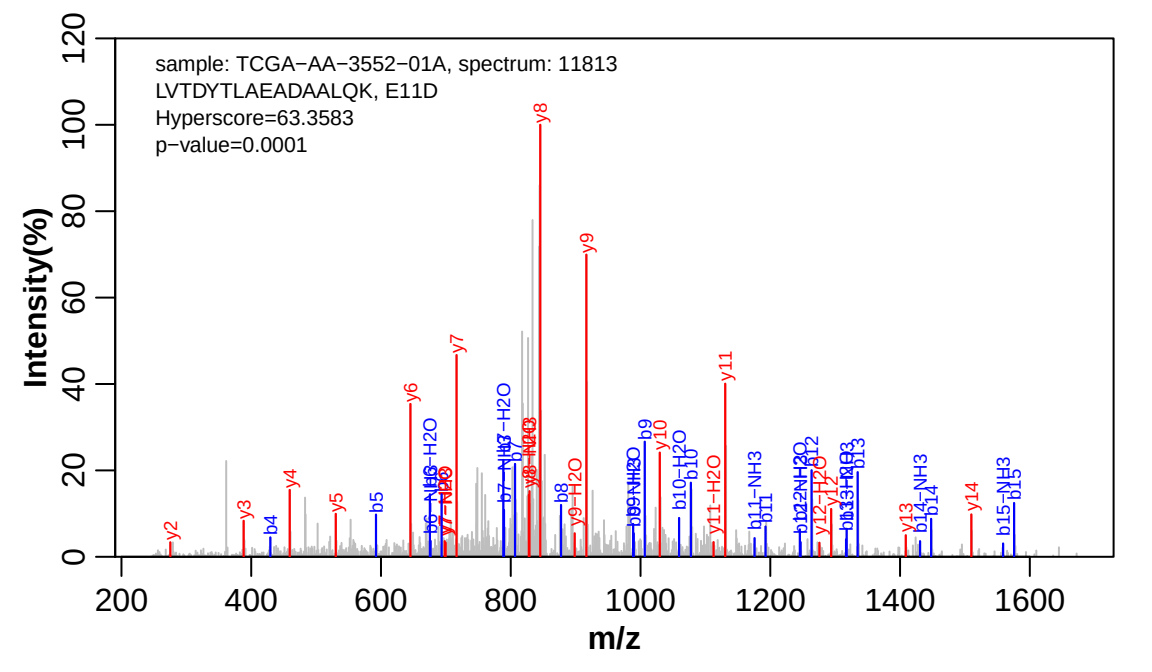

sample: TCGA−AA−3552−01A, spectrum: 108166
LPPSLAPTVLSVPAGTTLVK, S5L
Hyperscore=31.3607
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
b10++
b5
b11++
b11++−H2O
b6
y6
b12++
b13++
y8
b18++−H2O
b9−H2O
b19++
b11−H2O
b12

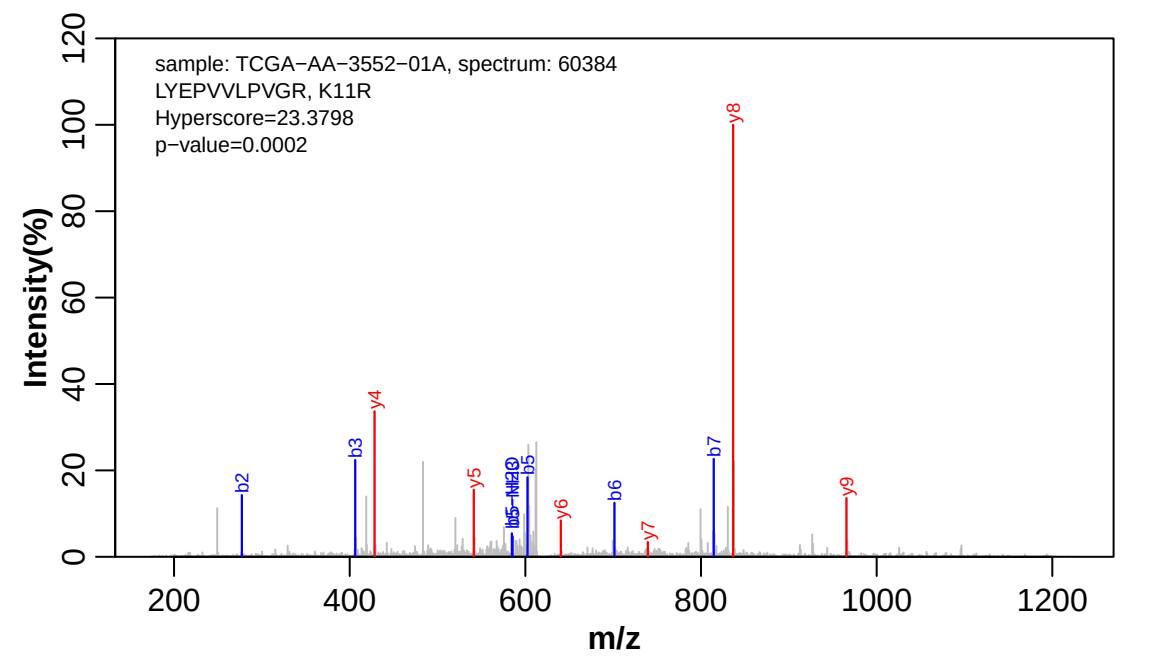

sample: TCGA−AA−3552−01A, spectrum: 96998
LQQQHSEQPPLQPSPVTTR, M17:
Hyperscore=18.5954
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b12++
y11++
y7
b8++
b9++
y11++−NH3
b11++
y6
y12++−NH3
b12++−H2O
y13++−H2O
y14++−H2O
y8
y17++
y9−NH3
y9−H2O
b8
y10

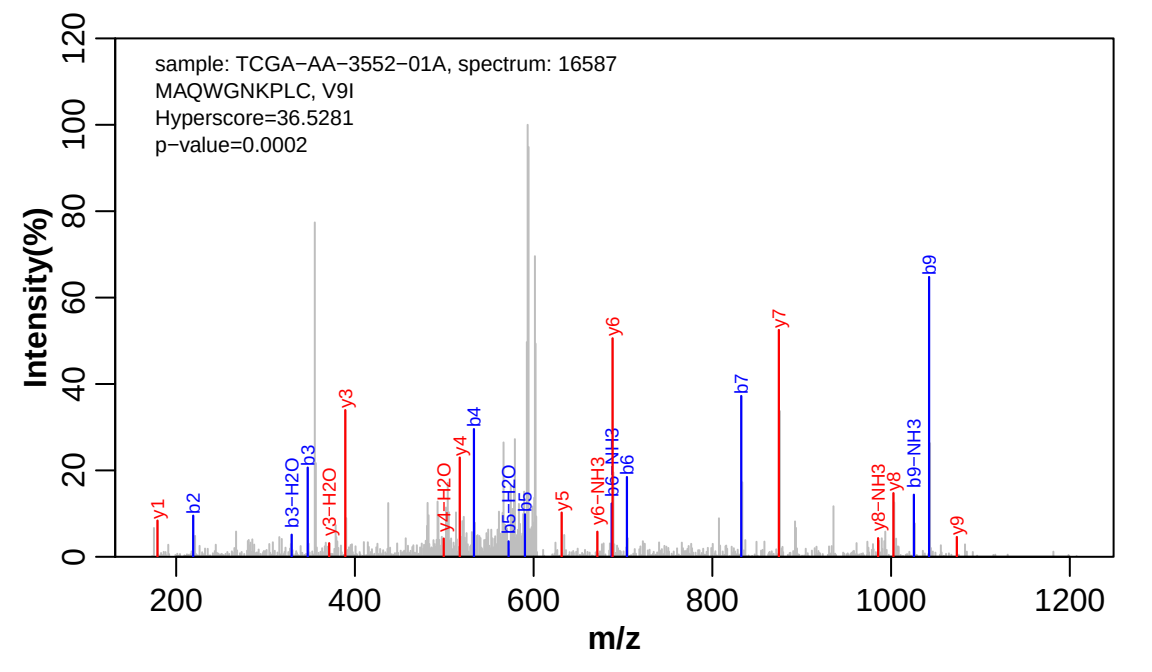

sample: TCGA−AA−3552−01A, spectrum: 11618
LSTEVDLTNVDLSTVDKDQSLAPK, G6D
Hyperscore=22.3654
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y14++
b15++−H2O
y15++
b8−H2O
b16++
b17++
y18++
y19++
y20++
b20++
y21++
y22++
y23++

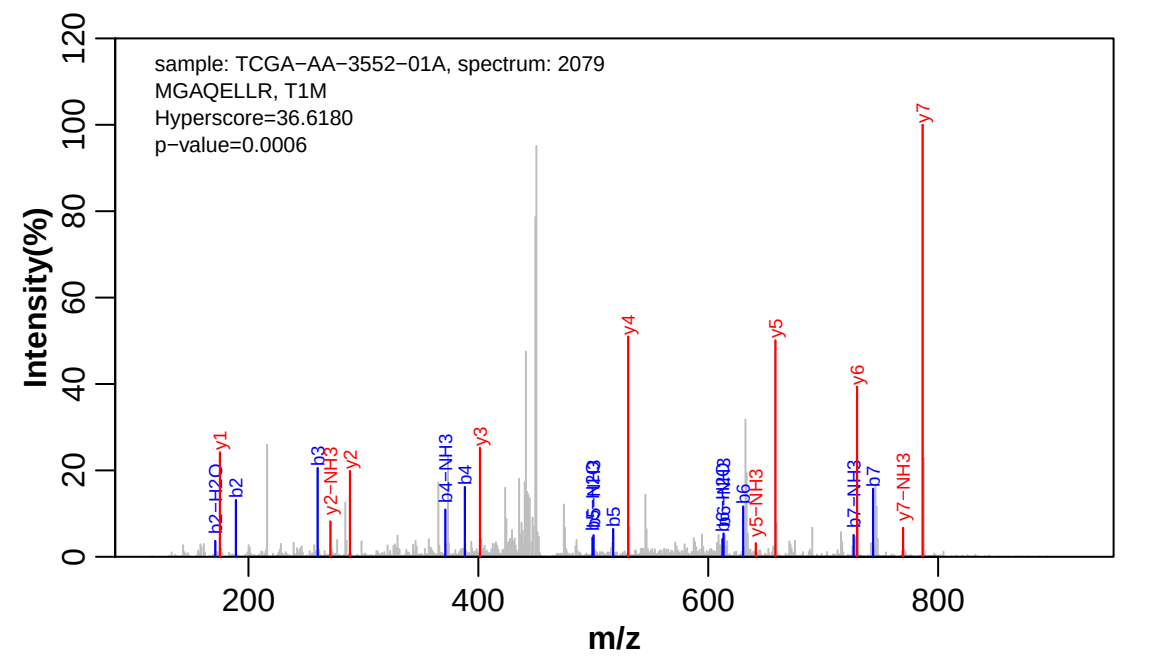

sample: TCGA−AA−3552−01A, spectrum: 68709
LSVFSTLDAPVAPSDK, V7I
Hyperscore=37.2515
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
y4−H2O
y4
b4
b5−NH3
y6−NH3
b6−H2O
y6
b6
y7−H2O
y7
b7−NH3
b7−H2O
y8
y8−H2O
b8−H2O
b8
b9−NH3
b9−H2O
b9
y9
y10−NH3
y10−NH3−H2O
y10
b11−H2O
b11−NH3
b11
y12−b12−NH3
b12−H2O
b12
y12
y13
b15

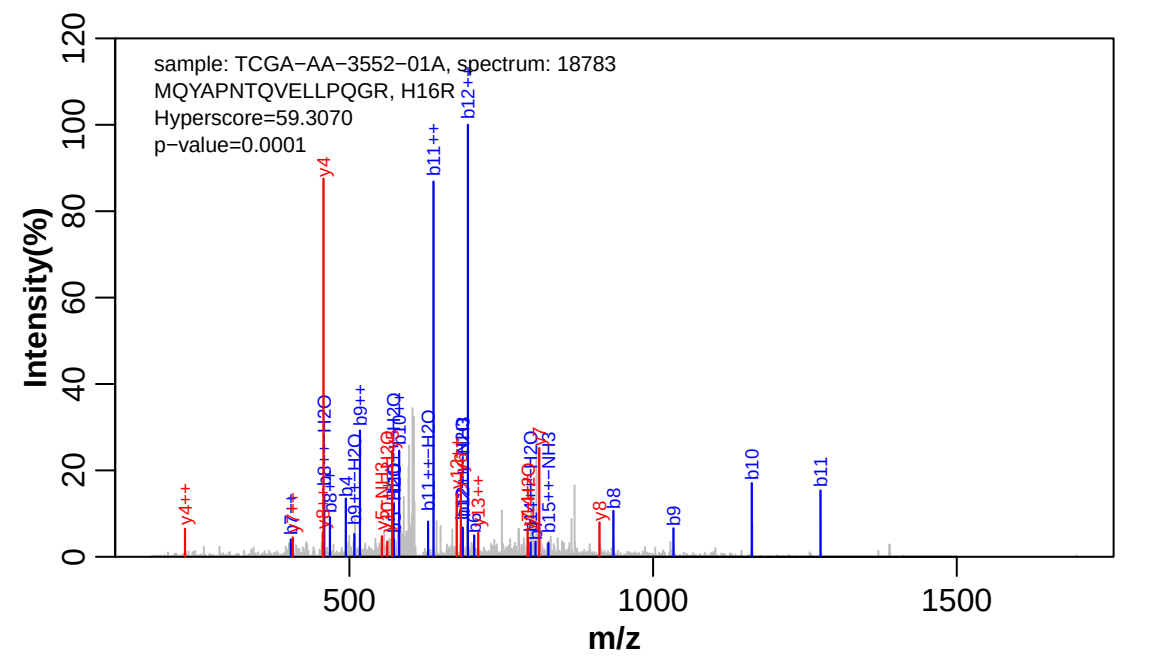

sample: TCGA−AA−3552−01A, spectrum: 5770
LTAEFEEAQTSACLLQEELEK, R14L
Hyperscore=51.5898
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

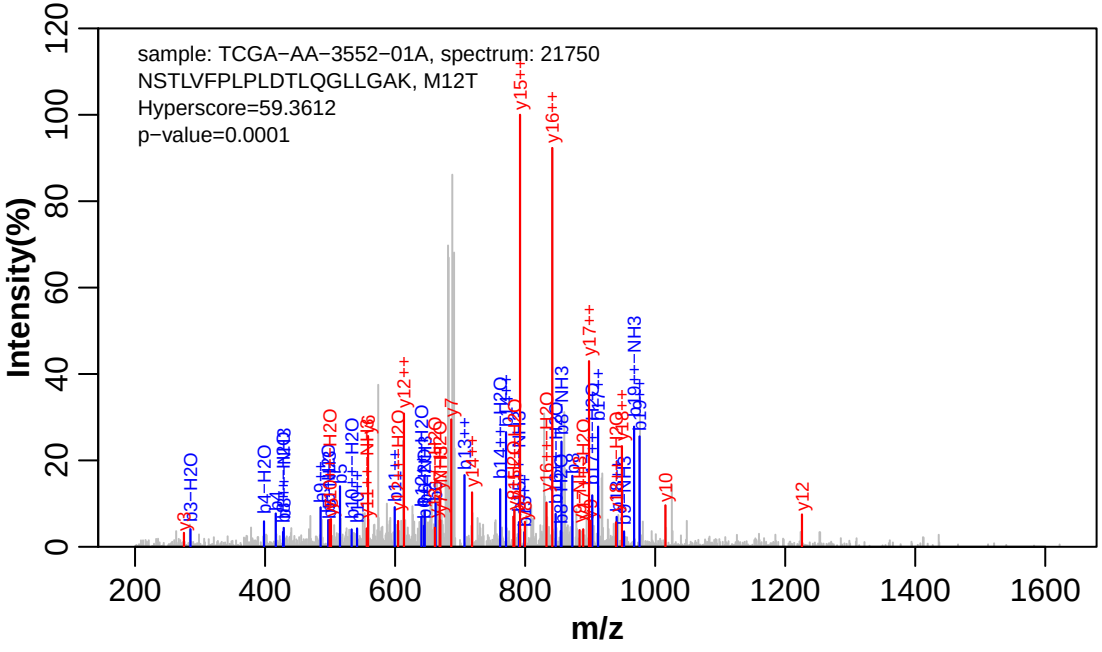

sample: TCGA−AA−3552−01A, spectrum: 11813
LVTDYTLAEADAALQK, E11D
Hyperscore=63.3583
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b4
y4
y5
b5
y6
y7
y8
y9
b8
y9−H2O
b9
y10
b10
y10−H2O
y11
y11−H2O
b11−NH3
b11
y12
y13
b14−NH3
b14
y14
b15−NH3
b15

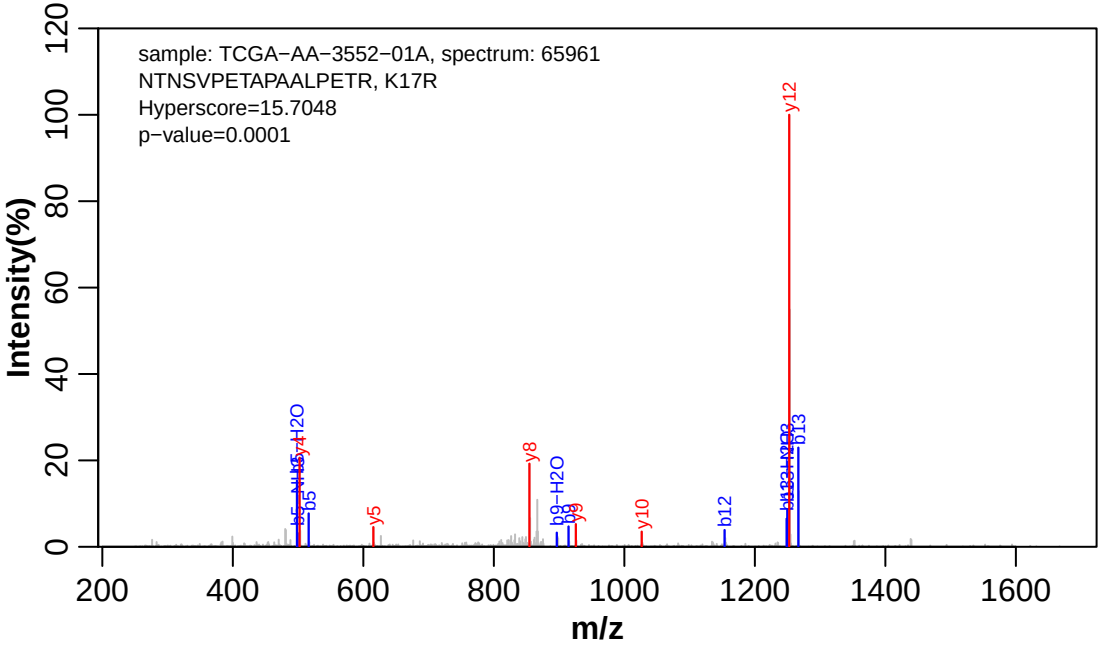

sample: TCGA−AA−3552−01A, spectrum: 60384
LYEPVVLPVGR, K11R
Hyperscore=23.3798
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y4
y5
b5
y6
b6
y7
b7
y8
y9

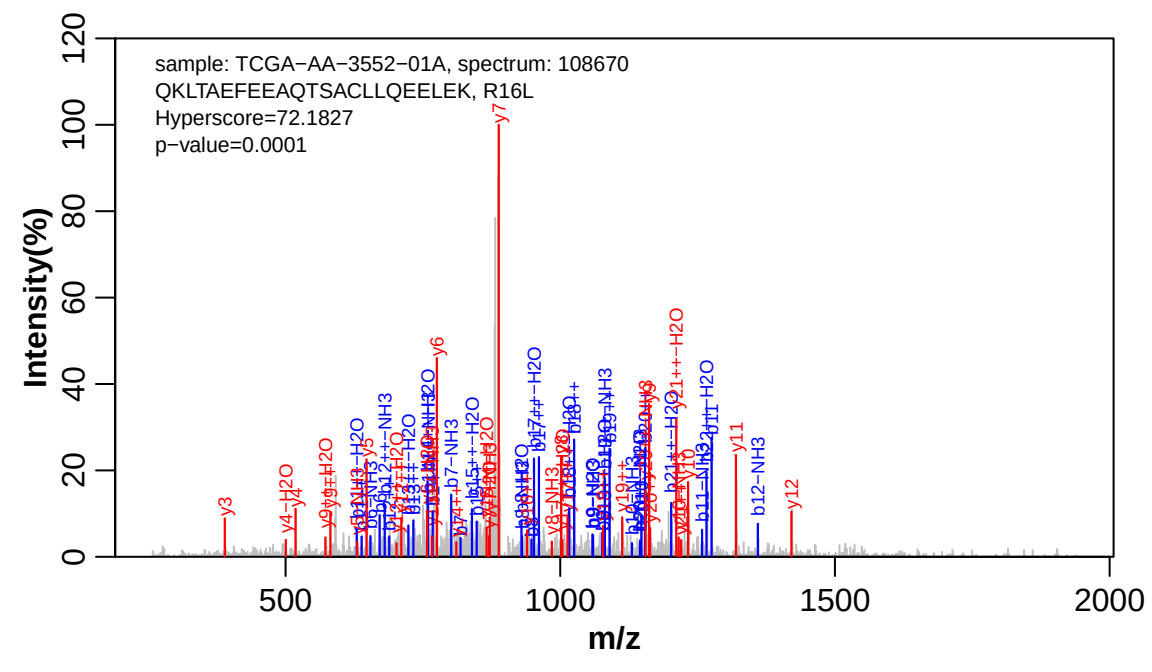

sample: TCGA−AA−3552−01A, spectrum: 16587
MAQWGNKPLC, V9I
Hyperscore=36.5281
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2
b3−H2O
b3
y3−H2O
y3
y4−H2O
y4
b4
b5−H2O
b5
y5
y6−NH3
b6−NH3
y6
b6
b7
y7
y8−NH3
y8
b9−NH3
b9
y9

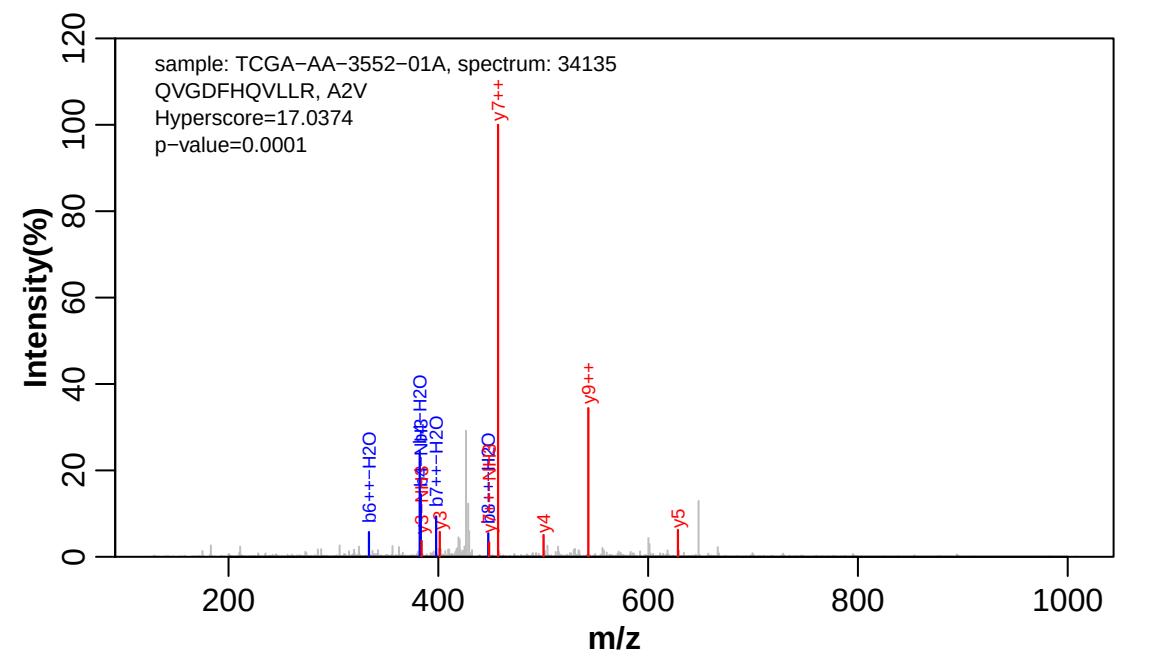

sample: TCGA−AA−3552−01A, spectrum: 2079
MGAQELLR, T1M
Hyperscore=36.6180
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y7
y4
y5
y6
y1
b2−H2O
b2
b3
y2−NH3
y2
b4−NH3
b4
y3
b5
y5−NH3
b7−NH3
b7
y7−NH3

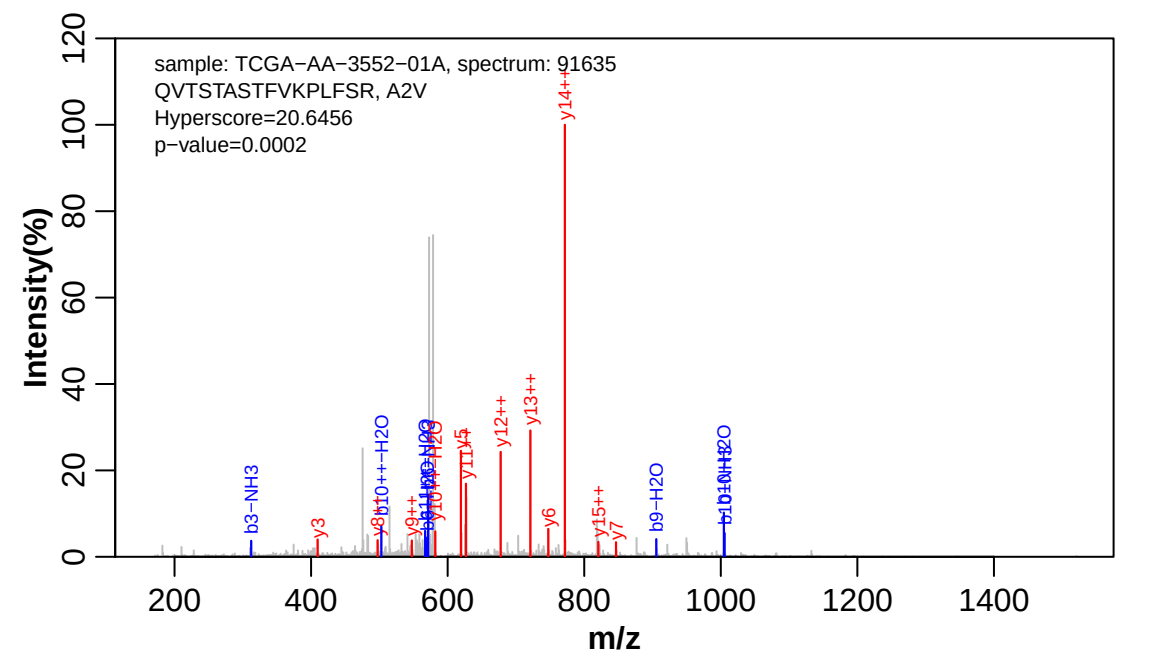

sample: TCGA−AA−3552−01A, spectrum: 18783
MQYAPNTQVELLPQGR, H16R
Hyperscore=59.3070
p−value=0.0001
Intensity(%)
m/z
y4
b12++
b11++
y4++
b7++
b11++−H2O
b9++
b4
b9++−H2O
b15++−NH3
b8
b9
b10
b11

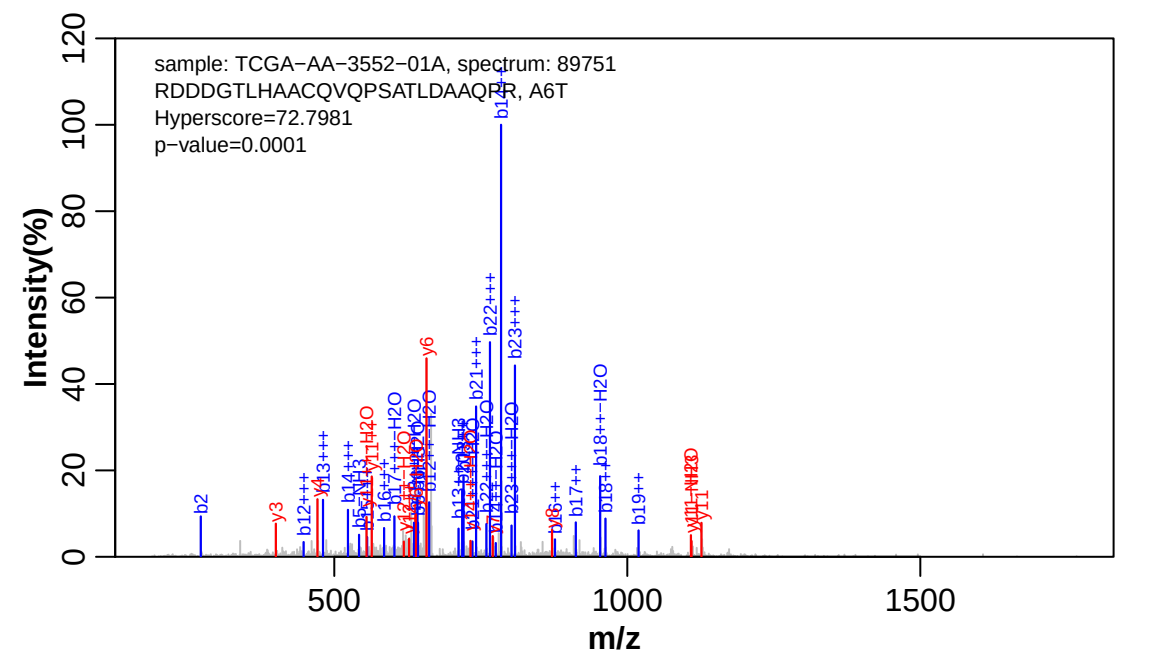

sample: TCGA−AA−3552−01A, spectrum: 21750
NSTLVFPLPLDTLQGLLGAK, M12T
Hyperscore=59.3612
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y15++
y16++
y12++
y7
y13++
y17++
y10
y12
b3−H2O
b4−H2O

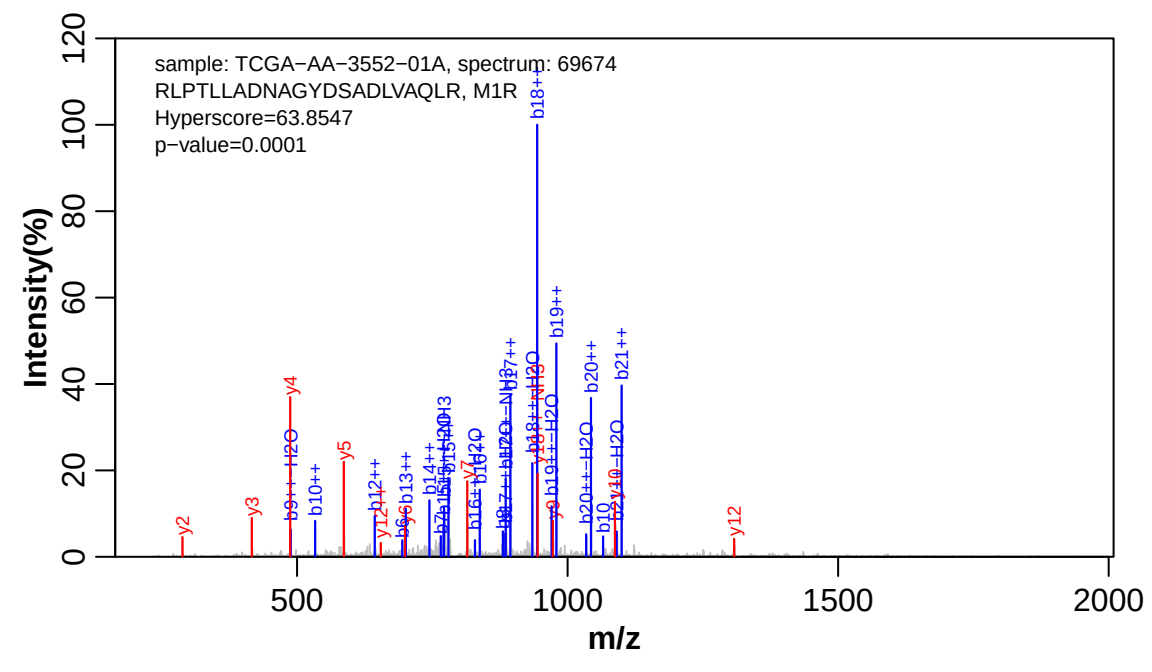

sample: TCGA−AA−3552−01A, spectrum: 65961
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7048
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
y10
b12
b13
b9−H2O
b5
y7−H2O
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

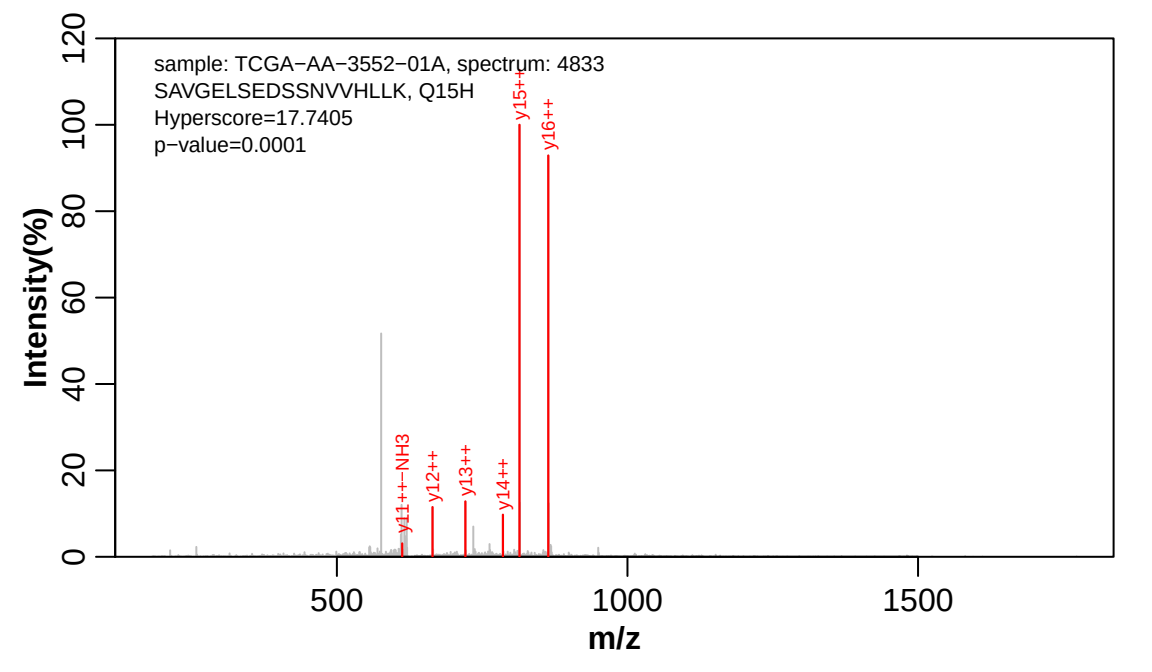

sample: TCGA−AA−3552−01A, spectrum: 108670
QKLTAEFEEAQTSACLLQEELEK, R16L
Hyperscore=72.1827
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y7
y6
y3
y4−H2O
y12
y11
b12−NH3

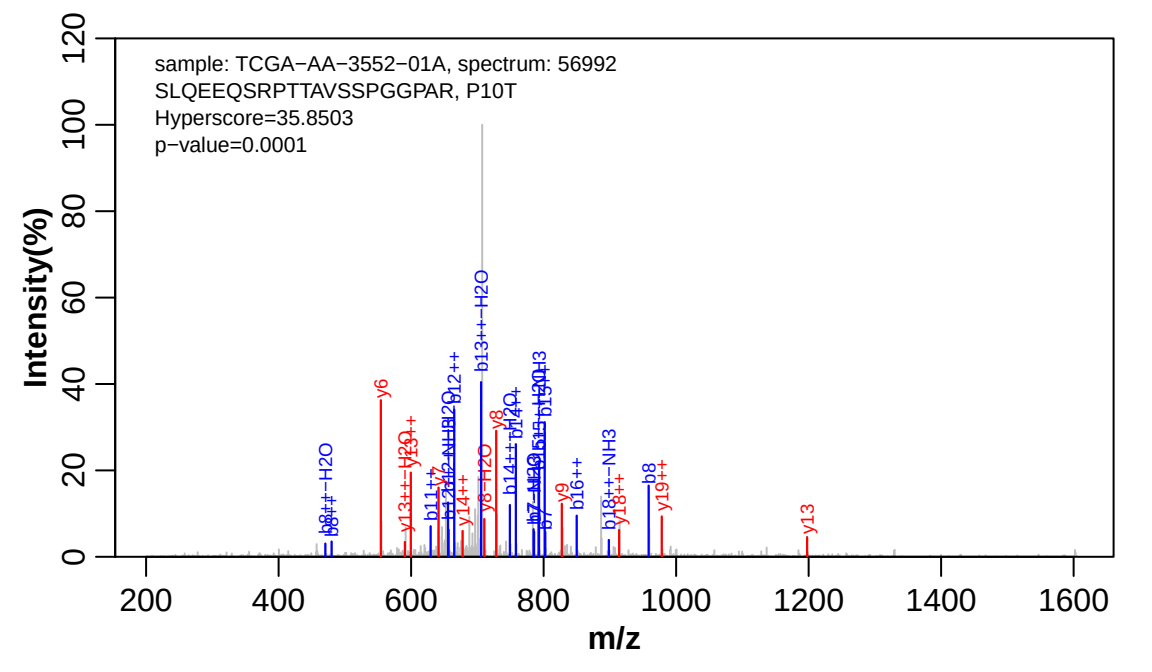

sample: TCGA−AA−3552−01A, spectrum: 34135
QVGDFHQVLLR, A2V
Hyperscore=17.0374
p−value=0.0001
Intensity(%)
m/z
y7++
y9++
y5
y4
y3
b6++−H2O
b7++−H2O
b8++−H2O
0
20
40
60
80
100
120
200
400
600
800
1000

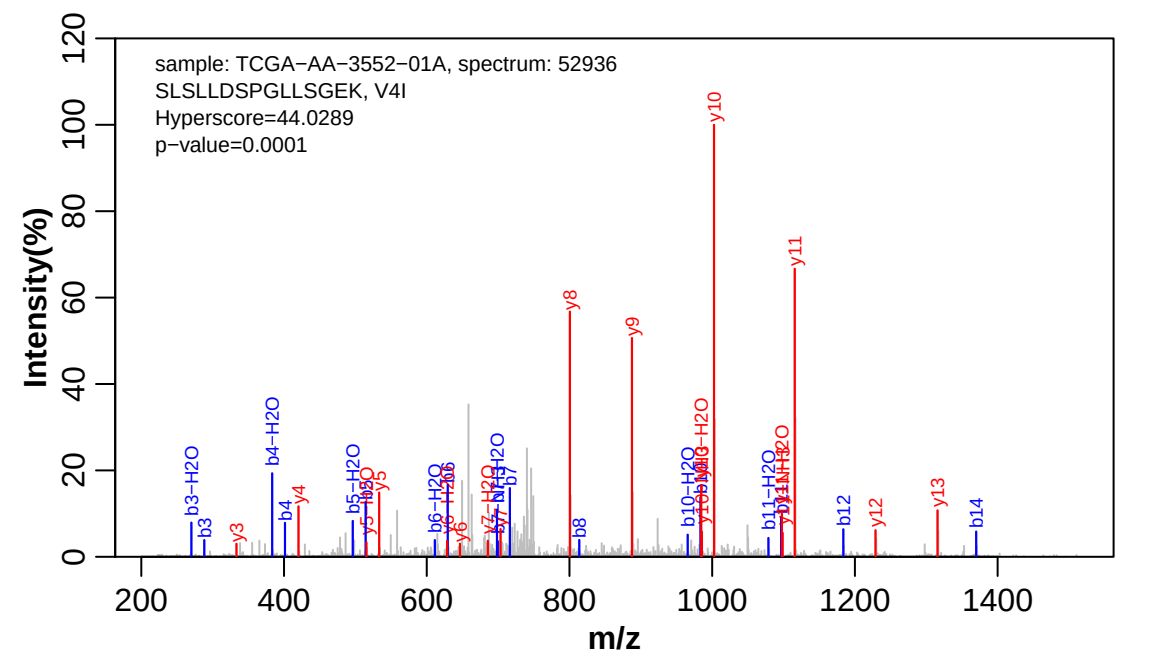

sample: TCGA−AA−3552−01A, spectrum: 91635
QVTSTASTFVKPLFSR, A2V
Hyperscore=20.6456
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−NH3
y3
y14++
y13++
y12++
y11++
y6
y15++
y7
b9−H2O

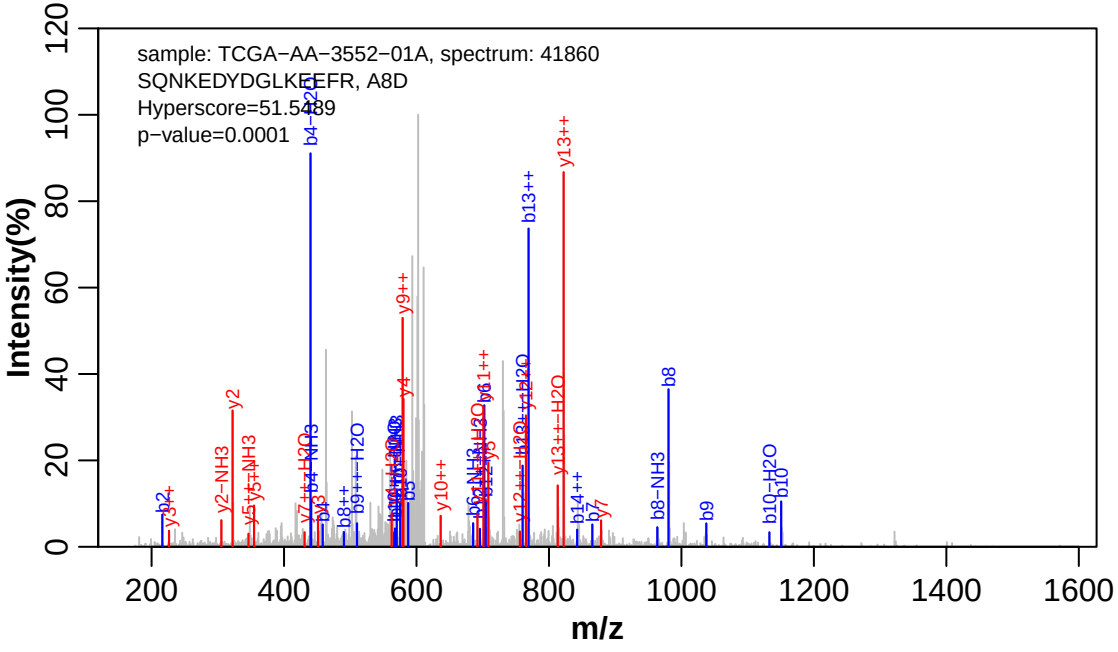

sample: TCGA−AA−3552−01A, spectrum: 89751
RDDDGTLHAACQVQPSATLDAAQTR, A6T
Hyperscore=72.7981
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b12+++
y4
b13+++
b14+++
b16++
b17+++
b18++
b19++
b17++
b18++−H2O
b19++
y6
b21+++
b22+++
b23+++
b12++

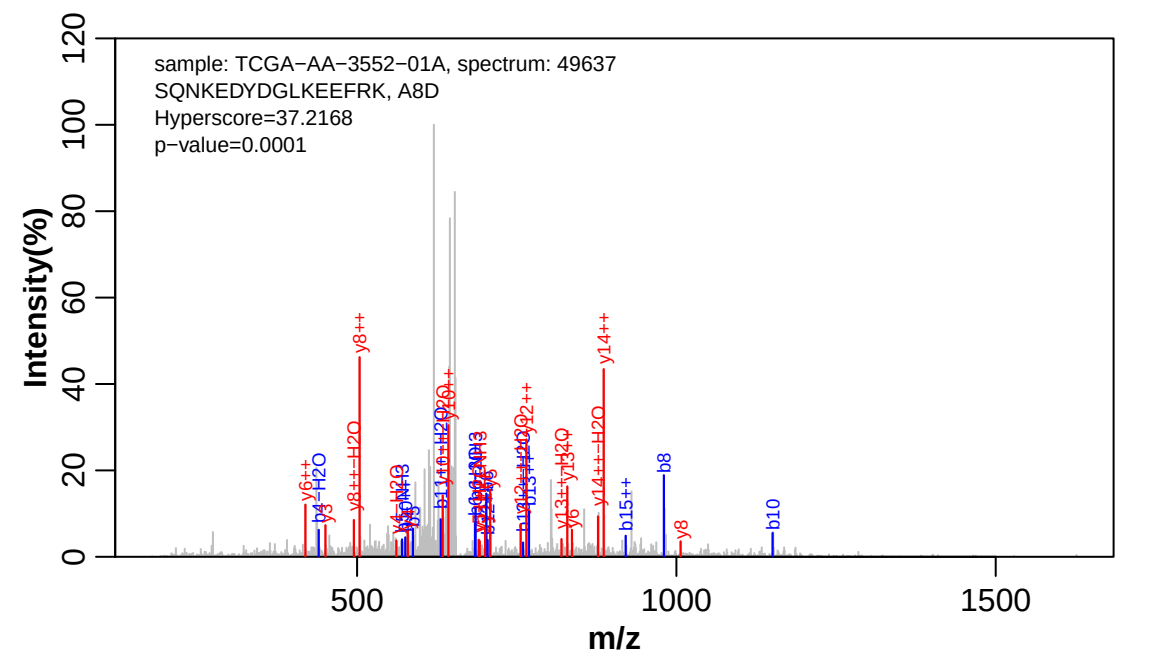

sample: TCGA−AA−3552−01A, spectrum: 69674
RLPTLLADNAGYDSADLVAQLR, M1R
Hyperscore=63.8547
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y4
y5
y12
y12
b9++ H2O
b10++
b12++
b13++
b14++
b16++ H2O
b18++
b18++ H2O
b19++
b19++ H2O
b20++ H2O
b20++
b21++
b10
b21++ H2O

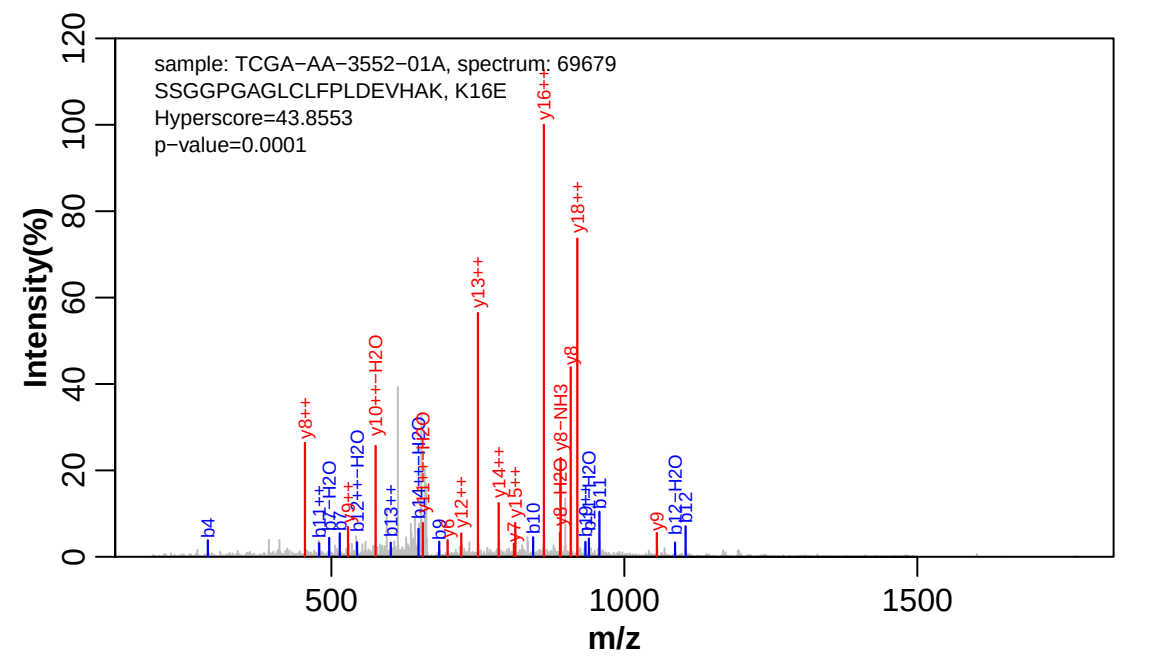

sample: TCGA−AA−3552−01A, spectrum: 4833
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7405
p−value=0.0001
y15++
y16++
y11++−NH3
y12++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

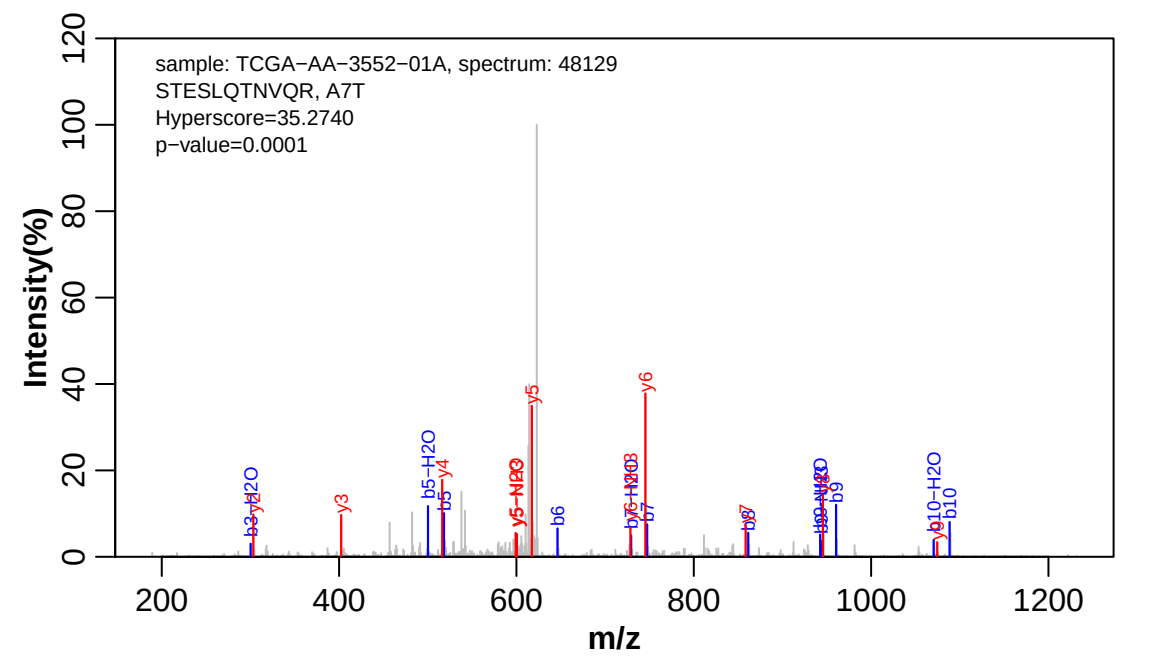

sample: TCGA−AA−3552−01A, spectrum: 56992
SLQEEQSRPTTAVSSPGGPAR, P10T
Hyperscore=35.8503
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y13++−H2O
y13++
b11++
y14++
b13++−H2O
b12++
y8
y8++−H2O
b14++
b14++−H2O
b15++−H2O
b16++
y9
b18++−NH3
y18++
b8
y19++
y13

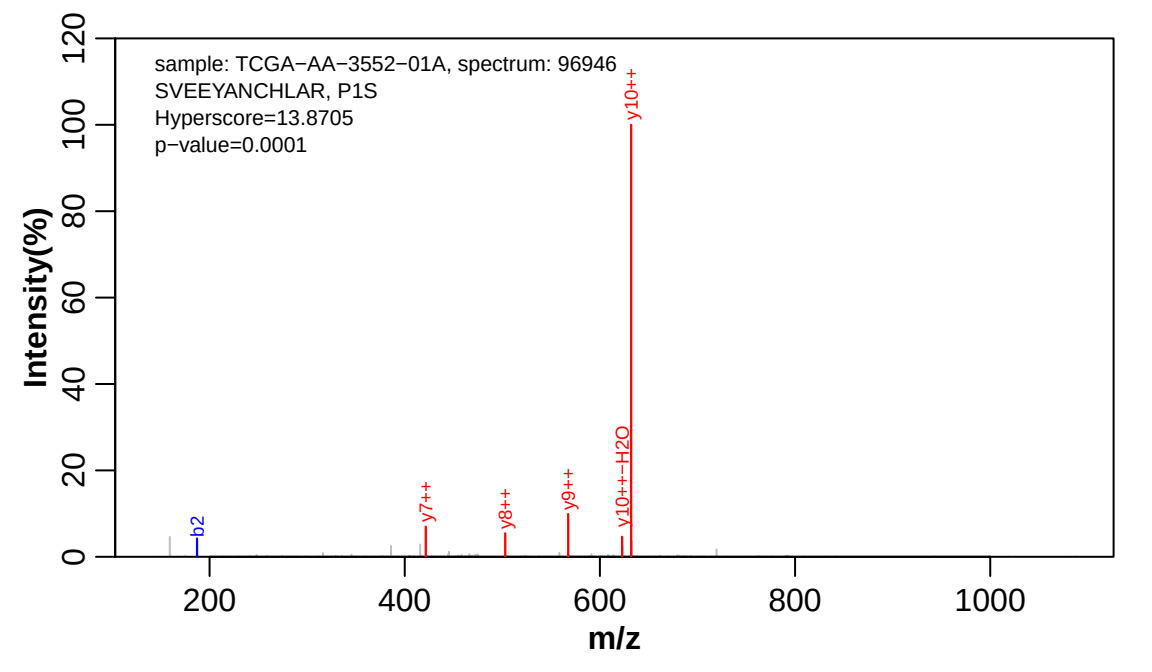

sample: TCGA−AA−3552−01A, spectrum: 52936
SLSLLDSPGLLSGEK, V4I
Hyperscore=44.0289
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
y5−NH3
y5
b6−H2O
b6
y6
y7−H2O
y7−NH3
b7
y8
b8
y9
b10−H2O
y10−NH3−H2O
y10
b11−H2O
y11−NH3−H2O
y11
b12
y12
y13
b14

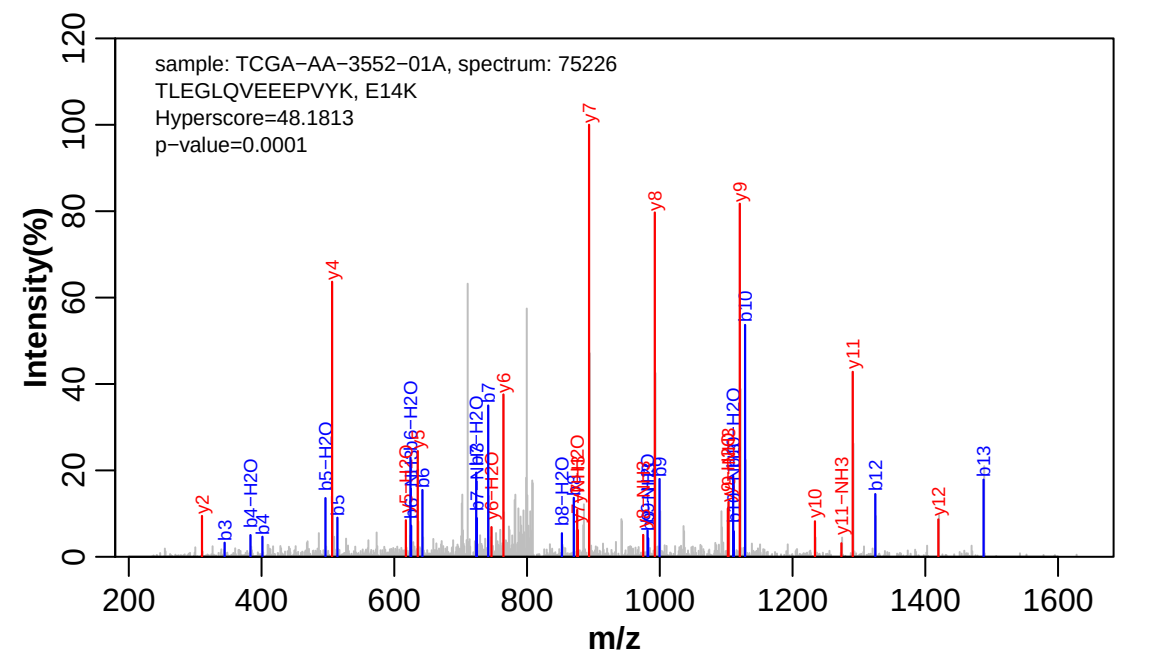

sample: TCGA−AA−3552−01A, spectrum: 41860
SQNKEDYDGLKEEFR, A8D
Hyperscore=51.5489
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4−H2O
b4
y13++
b13++
y9++
y2
y2−NH3
y5+−NH3
y7++−H2O
y7++−NH3
b3
b8++
b9++−H2O
y4
y10++
b6−NH3−H2O
y11++
y5
y12++−H2O
y12++
b14++
b7
y7
y13++−H2O
b8
b8−NH3
b9
b10−H2O
b10
b2
y3++

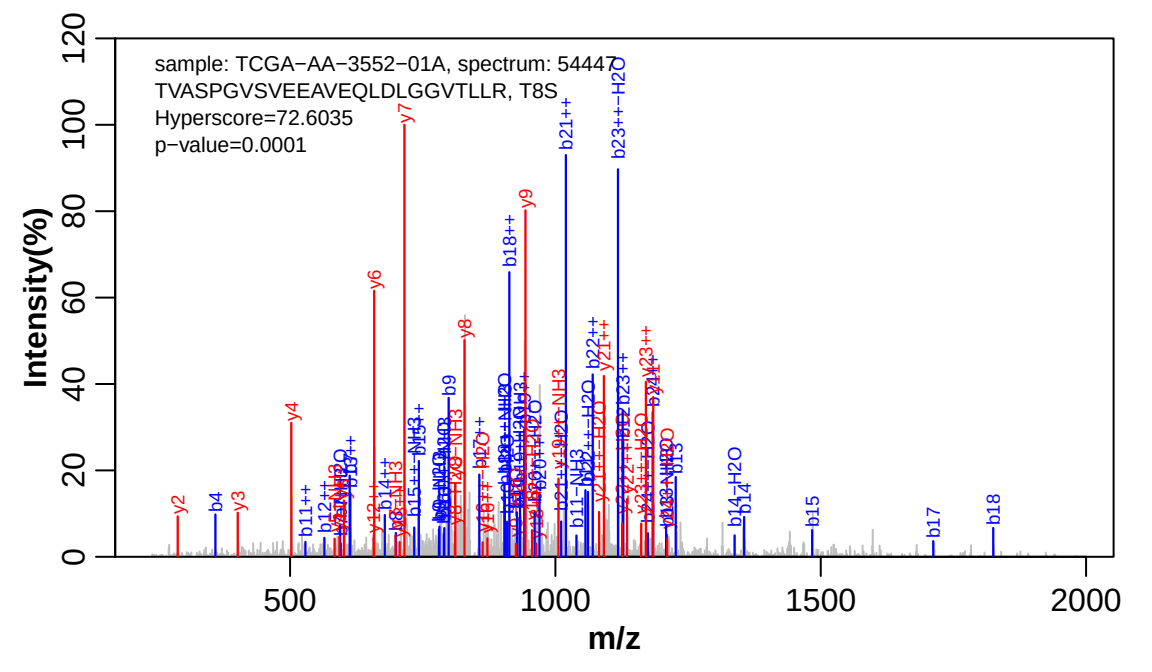

sample: TCGA−AA−3552−01A, spectrum: 49637
SQNKEDYDGLKEEFRK, A8D
Hyperscore=37.2168
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
y8++−H2O
y6++
b4−H2O
y3
b15++
b8
y14++
y14++−H2O
y8
b10

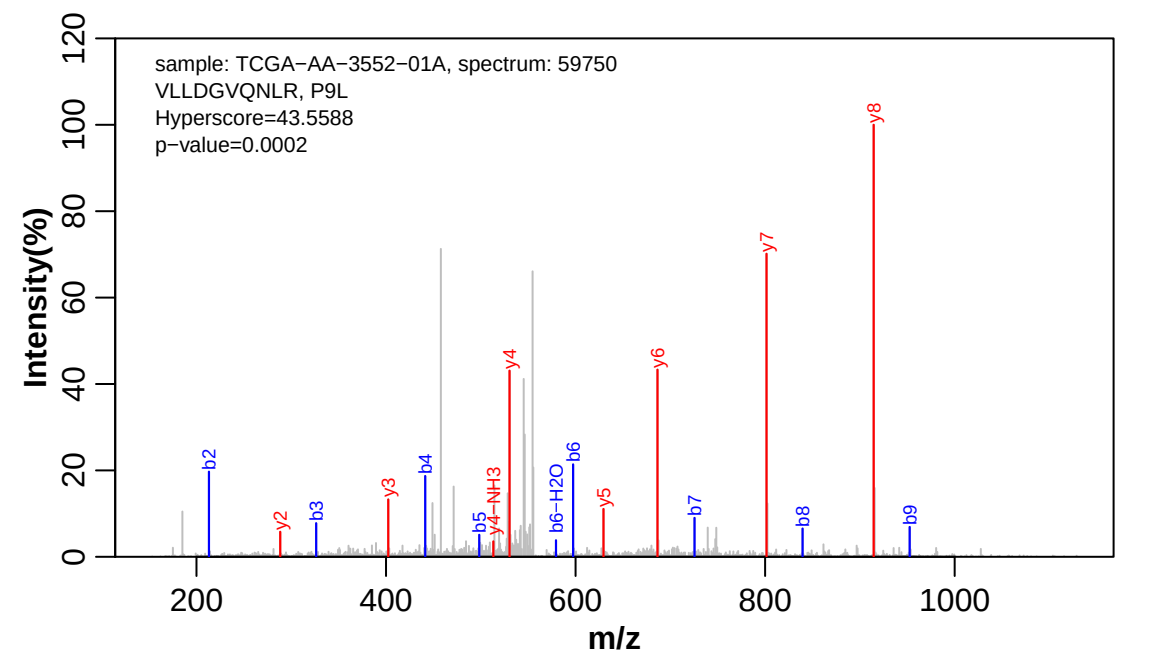

sample: TCGA−AA−3552−01A, spectrum: 69679
SSGGPGAGLCLFPLDEVHAK, K16E
Hyperscore=43.8553
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16++
y18++
y13++
y8
y8−NH3
y8−H2O
y10++−H2O
y8++
b4
b11++
b7−H2O
b12++−H2O
b13++
y14++−H2O
y14++
b8
y12++
y14++
y15++
y7
b10
b9++−H2O
b11
y9
b12−H2O

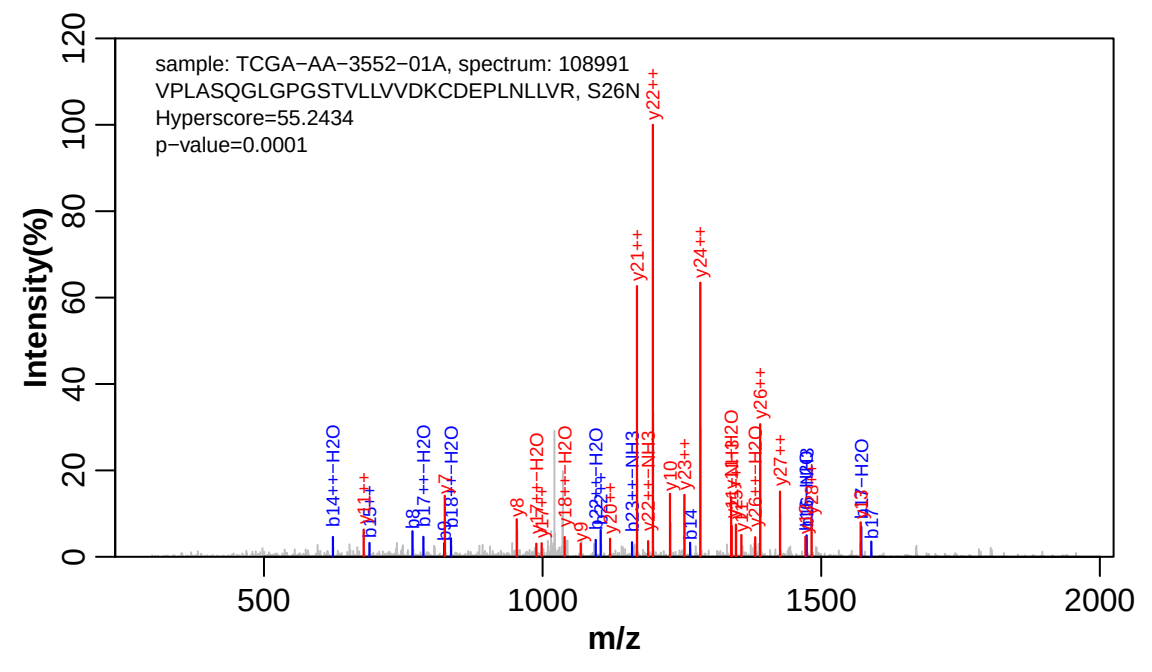

sample: TCGA−AA−3552−01A, spectrum: 48129
STESLQTNVQR, A7T
Hyperscore=35.2740
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y2
y3
b5−H2O
b5
y4
y5
y5−NH3
b6
y6
b7−H2O
b7
b8
b9
b10−H2O
b10

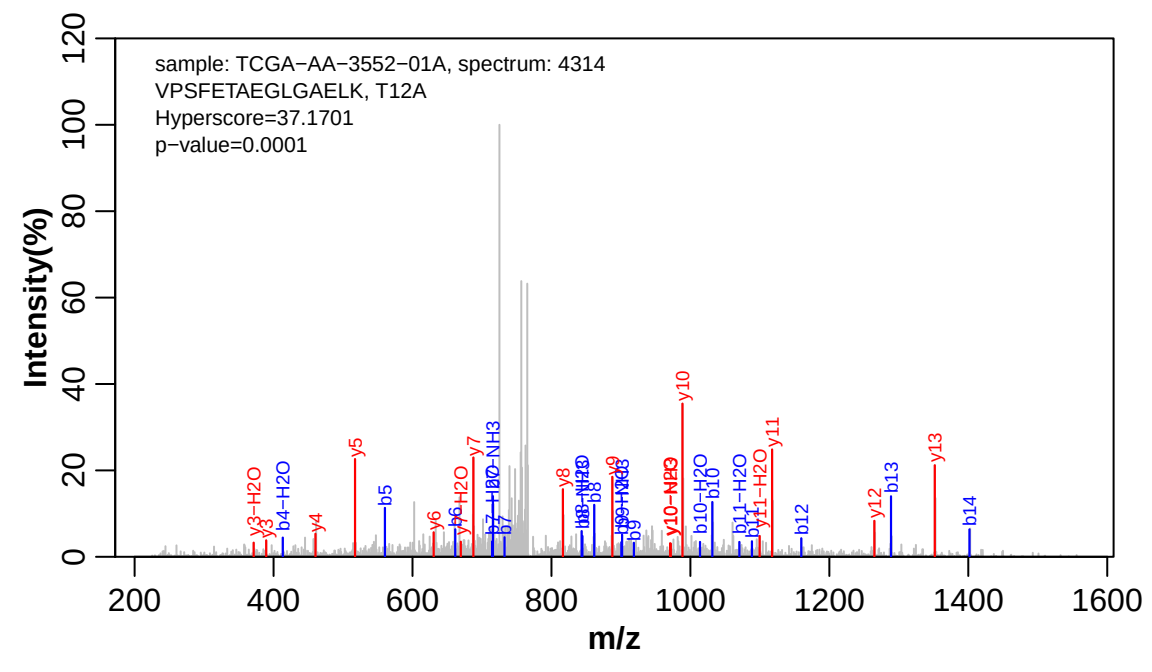

sample: TCGA−AA−3552−01A, spectrum: 96946
SVEEYANCHLAR, P1S
Hyperscore=13.8705
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
y7++
y8++
y9++
y10++−H2O
y10++

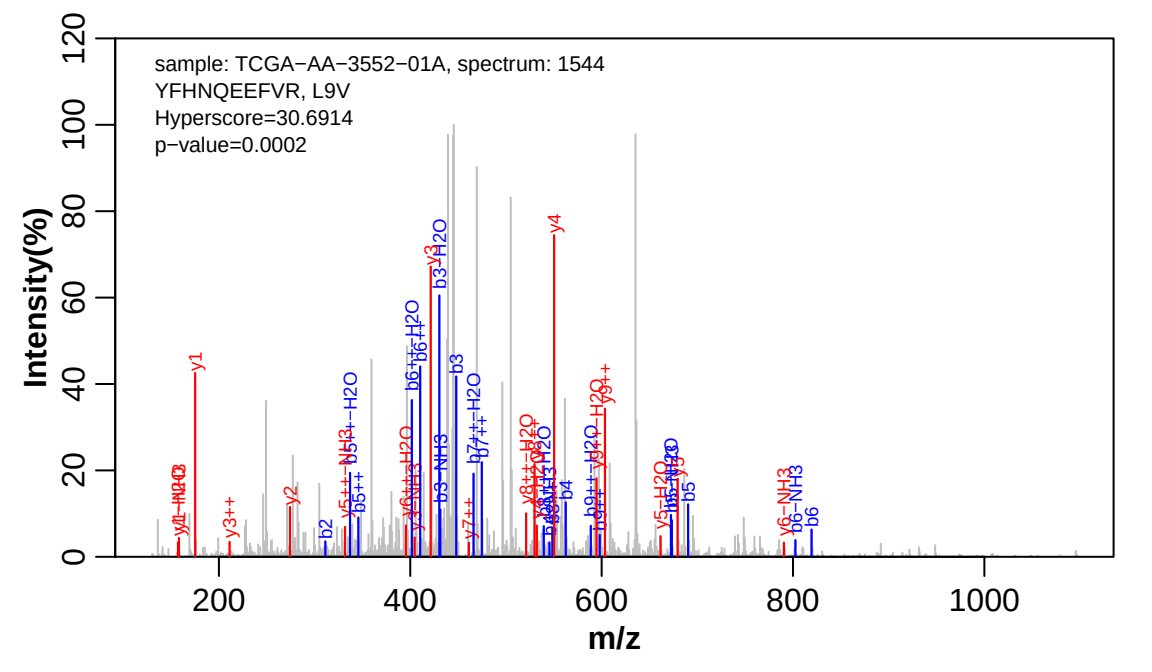

sample: TCGA−AA−3552−01A, spectrum: 75226
TLEGLQVEEEPVYK, E14K
Hyperscore=48.1813
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
b4−H2O
b4
b5−H2O
y4
b5
y5−H2O
y5−NH3
y5
b6
b6−H2O
b7−NH3
b7−H2O
b7
y6−H2O
y6
b8−H2O
y7−NH3
y7−H2O
y7
y8−NH3
y8−H2O
b9
y8
b10−NH3
b10−H2O
y9−NH3
y9−H2O
y9
b10
y10
y11−NH3
y11
b12
y12
b13

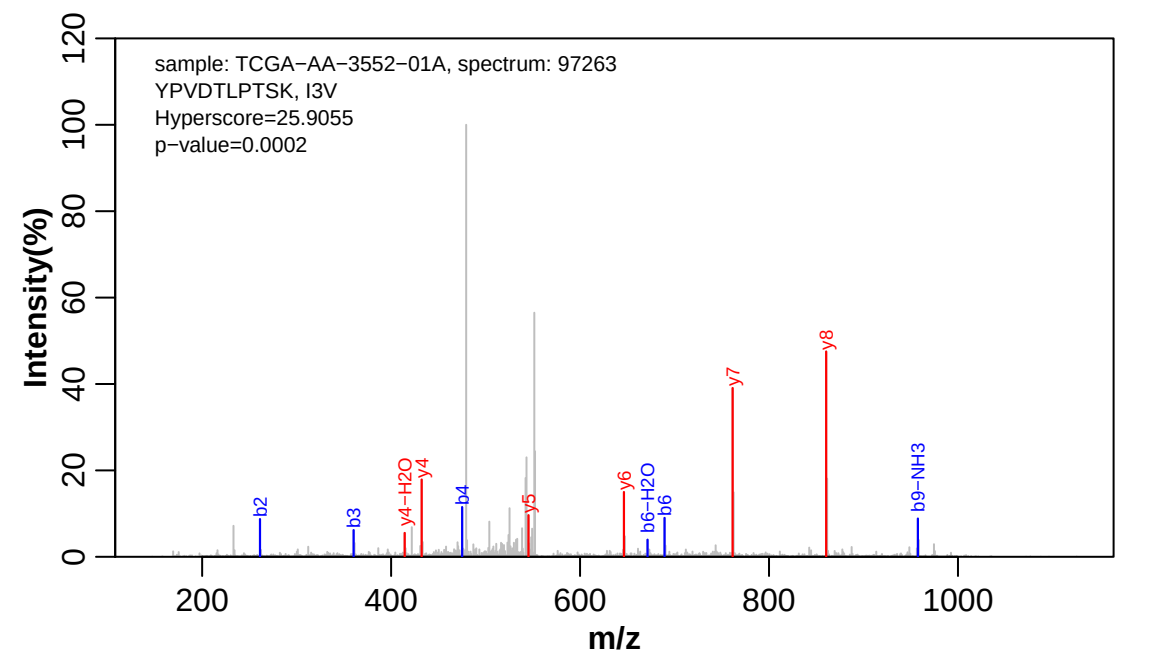

sample: TCGA−AA−3552−01A, spectrum: 54447
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=72.6035
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b4
y3
y4
b11++
y6
y7
y8
b9
b18++
y9
b21++
b23++−H2O
b15
b17
b18

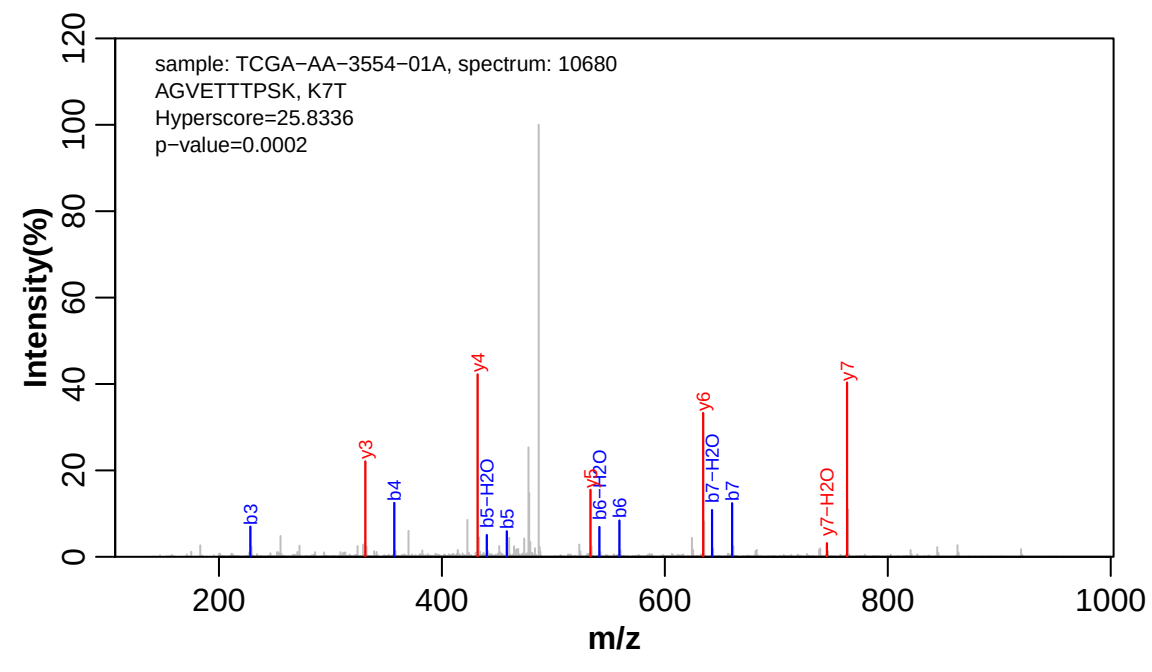

sample: TCGA−AA−3552−01A, spectrum: 59750
VLLDGVQNLR, P9L
Hyperscore=43.5588
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
y2
b3
y3
b4
y4
y4−NH3
b5
b6−H2O
b6
y5
y6
b7
y7
b8
y8
b9

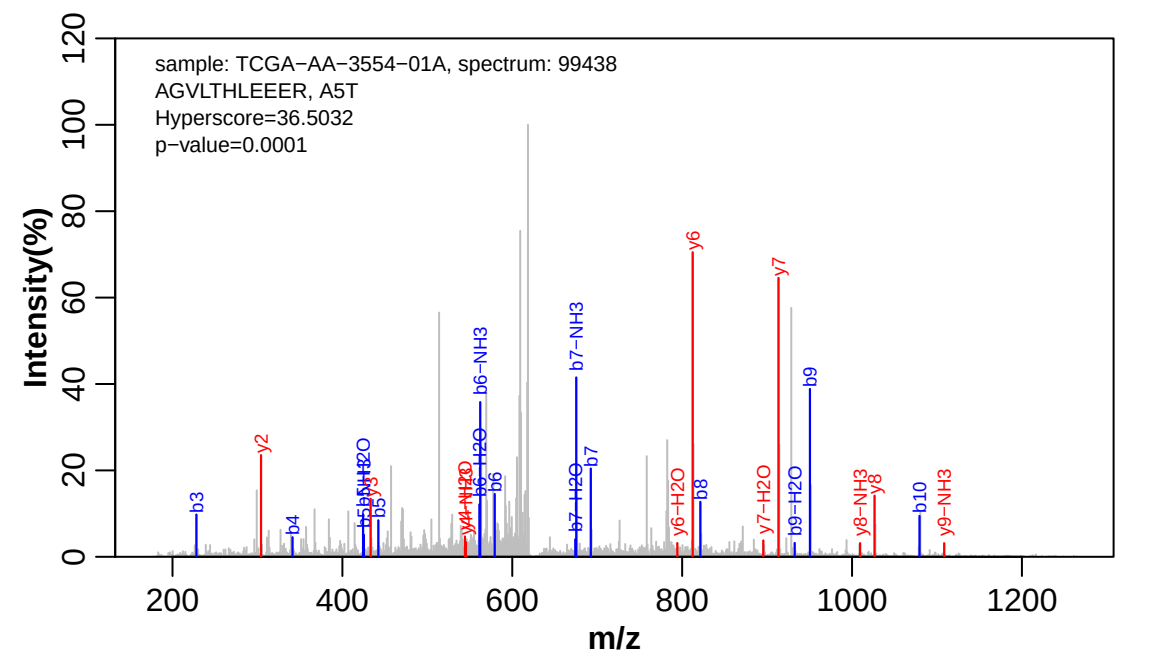

sample: TCGA−AA−3552−01A, spectrum: 108991
VPLASQGLGPGSTVLLVVDKCDEPLNLLVR, S26N
Hyperscore=55.2434
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y22++
y21++
y24++
y26++
y27++
b14++−H2O
b11++
b8
b17++−H2O
b9
b18++−H2O
y8
y17++−H2O
y18++−H2O
y9
b22++−H2O
y20++
b23++−NH3
y22++−NH3
y10
y23++
b14
y17++−H2O
y26++−H2O
b13−H2O
b17

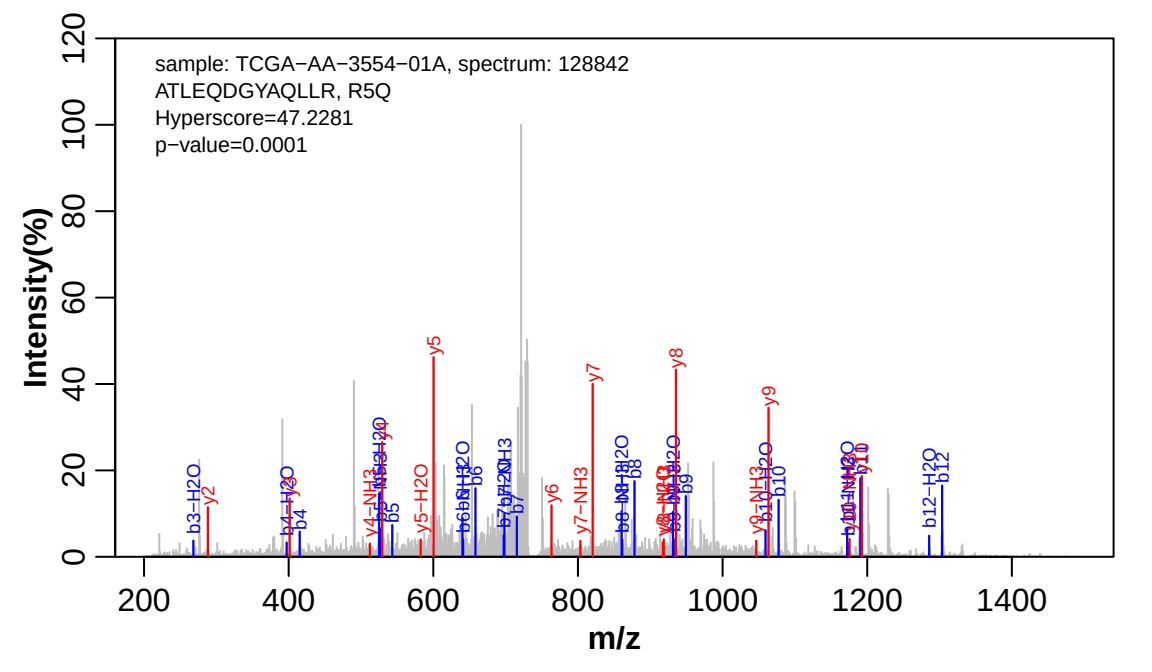

sample: TCGA−AA−3552−01A, spectrum: 4314
VPSFETAEGLGAELK, T12A
Hyperscore=37.1701
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3−H2O
y3
b4−H2O
y4
y5
b5
y6
y6−H2O
y7
b7−H2O−NH3
b7
y8
b8
y9
b9
y10
y10−NH3
b10−H2O
b10
b11−H2O
b11
y11−H2O
y11
b12
y12
b13
y13
b14

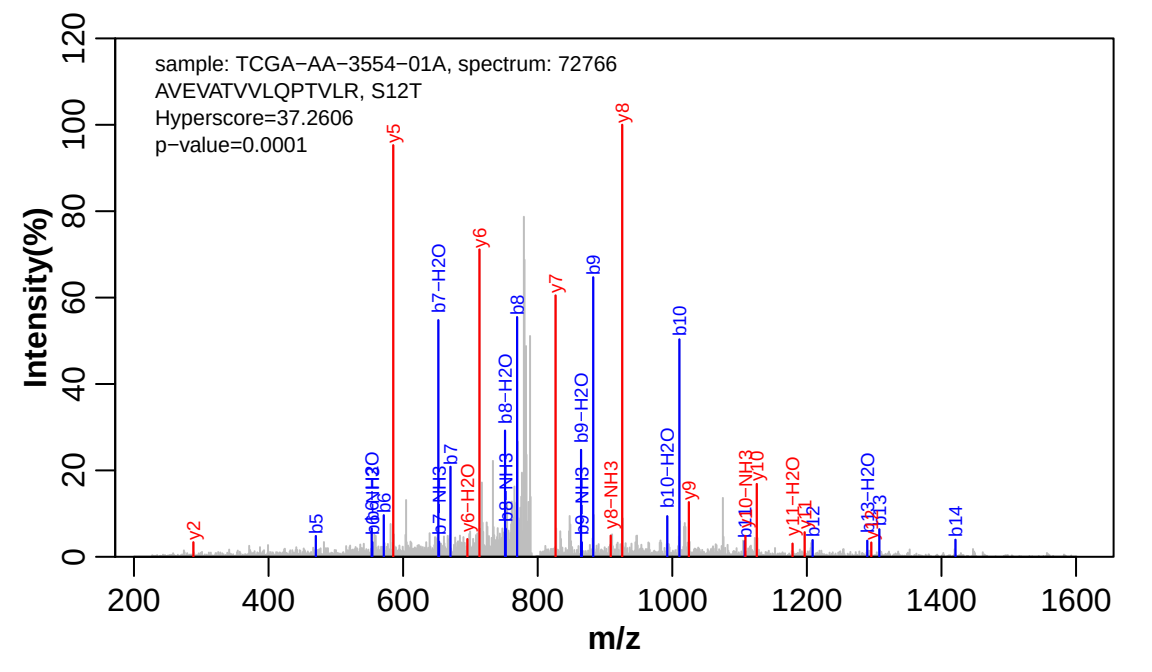

sample: TCGA−AA−3552−01A, spectrum: 1544
YFHNQEEFVR, L9V
Hyperscore=30.6914
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
y3++
y2
b2
y5++−NH3
b5++
y5++−H2O
b5++−H2O
y6++−H2O
b6++−H2O
y3
b3−H2O
b3
b3−NH3
y7++−H2O
b7++−H2O
y4
y8++−H2O
b8++−H2O
y9++
b9++−H2O
b4
y5−H2O
b5−H2O
b5
y6−NH3
b6−NH3
b6

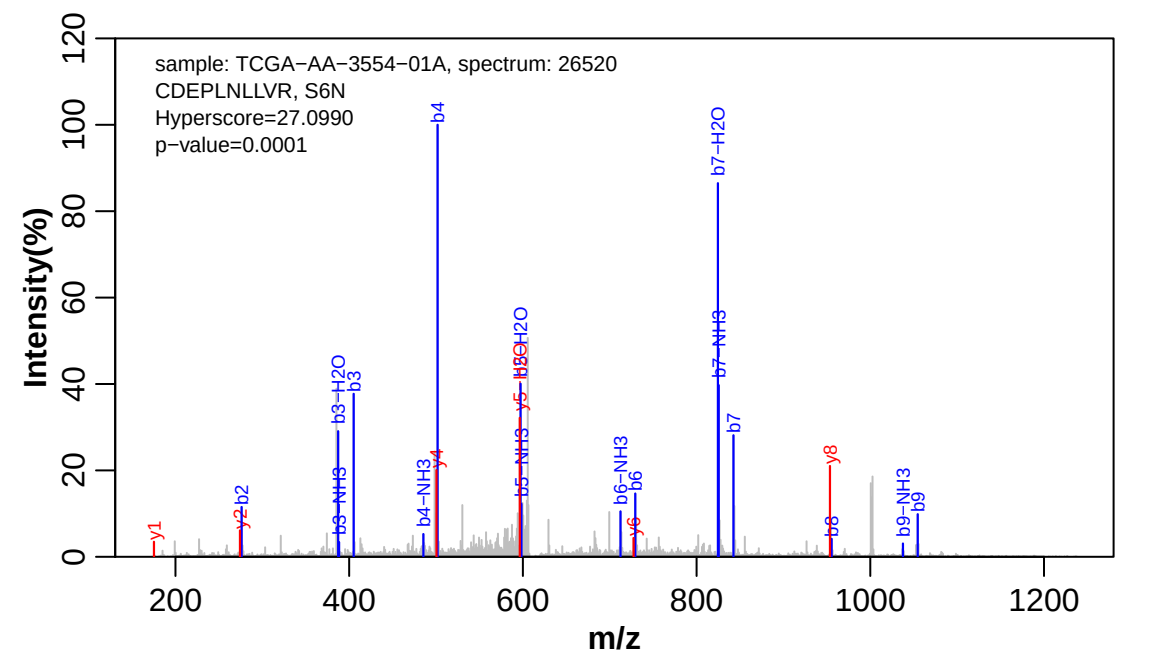

sample: TCGA−AA−3552−01A, spectrum: 97263
YPVDTLPTSK, I3V
Hyperscore=25.9055
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
y4−H2O
y4
b4
y5
y6
b6−H2O
b6
y7
y8
b9−NH3

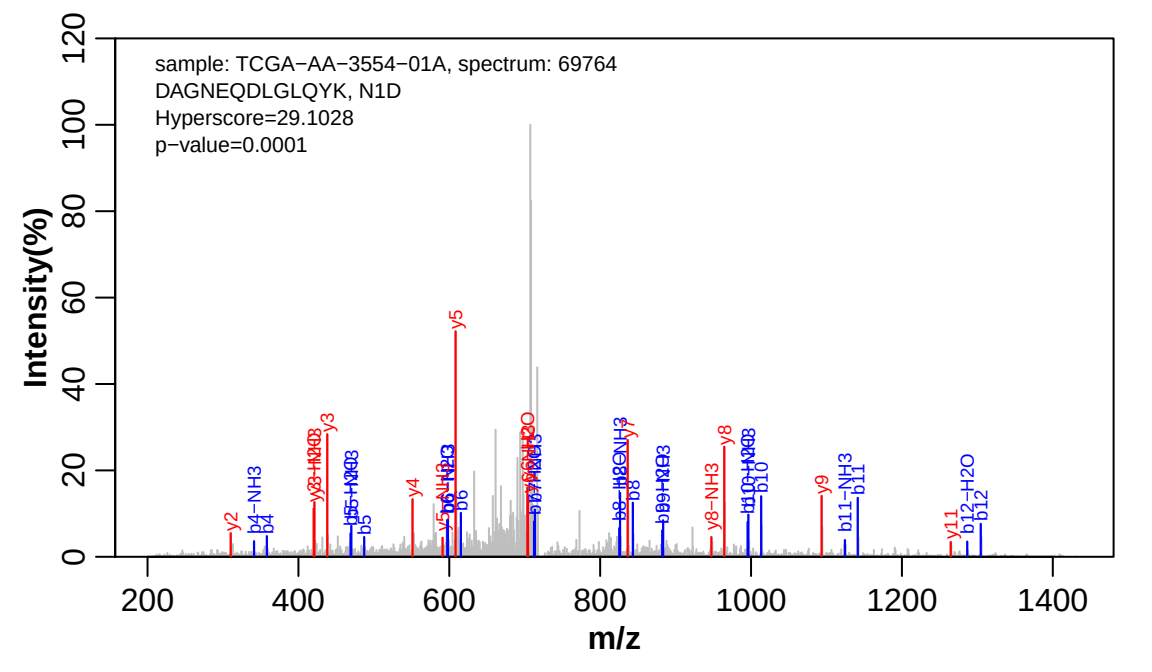

sample: TCGA−AA−3554−01A, spectrum: 10680
AGVETTTPSK, K7T
Hyperscore=25.8336
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7−H2O
y7

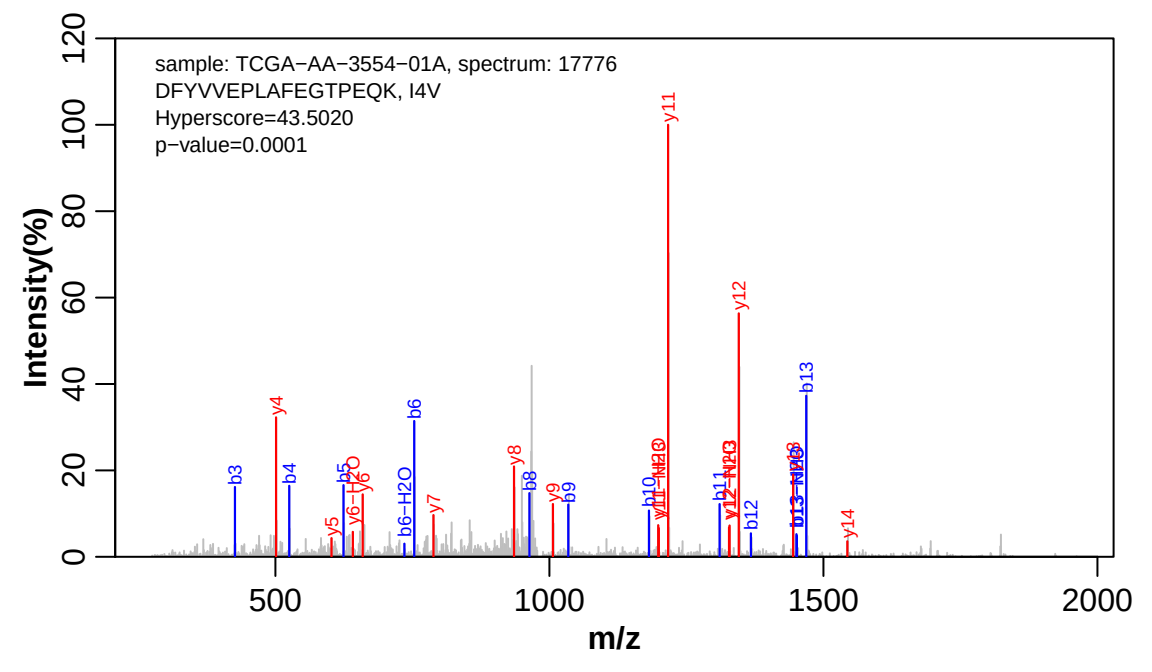

sample: TCGA−AA−3554−01A, spectrum: 99438
AGVLTHLEEER, A5T
Hyperscore=36.5032
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
y2
b4
b5−H2O
b5−NH3
b5
y3
y4−NH3
y4−H2O
b6−NH3
b6−H2O
b6
b7−NH3
b7−H2O
b7
y6
y6−H2O
b8
y7
y7−H2O
b9
b9−H2O
y8−NH3
y8
b10
y9−NH3

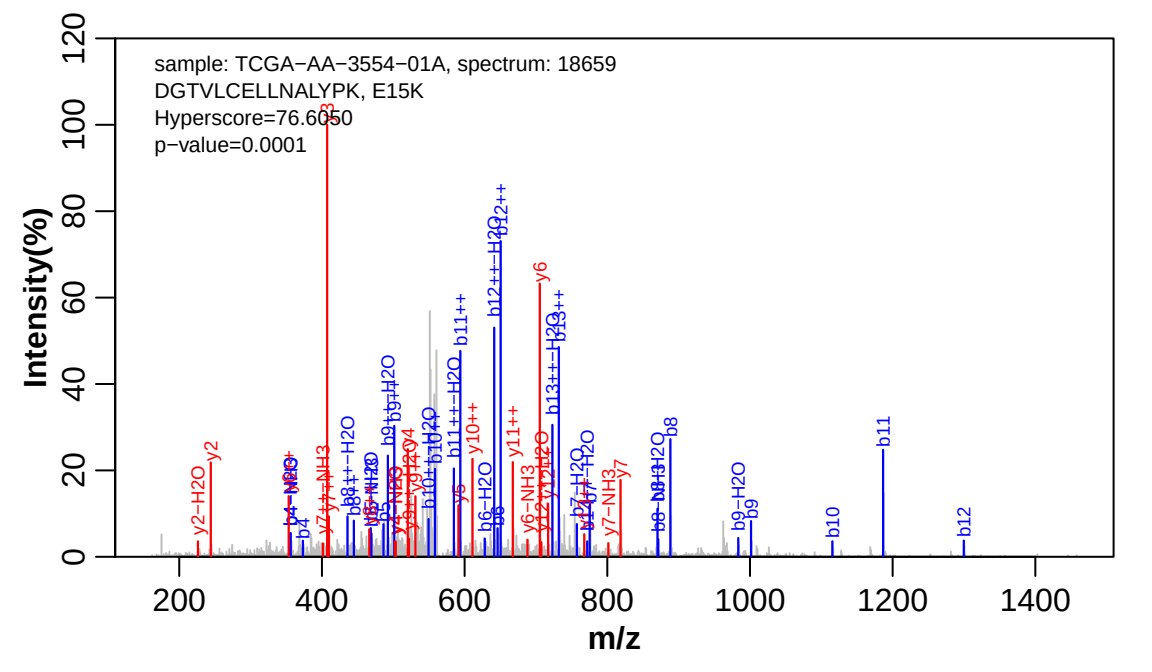

sample: TCGA−AA−3554−01A, spectrum: 128842
ATLEQDGYAQLLR, R5Q
Hyperscore=47.2281
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
y2
b4−H2O
b4
y4−NH3
y4
b5
y5−H2O
y5
b6
b6−NH3
b6−H2O
b7−H2O
b7−NH3
b7
y6
y7−NH3
y7
b8−H2O
b8
y8−NH3
y8−H2O
b9
y8
y9−NH3
y9
b10
b10−NH3
b10−H2O
b11
b12−H2O
b12

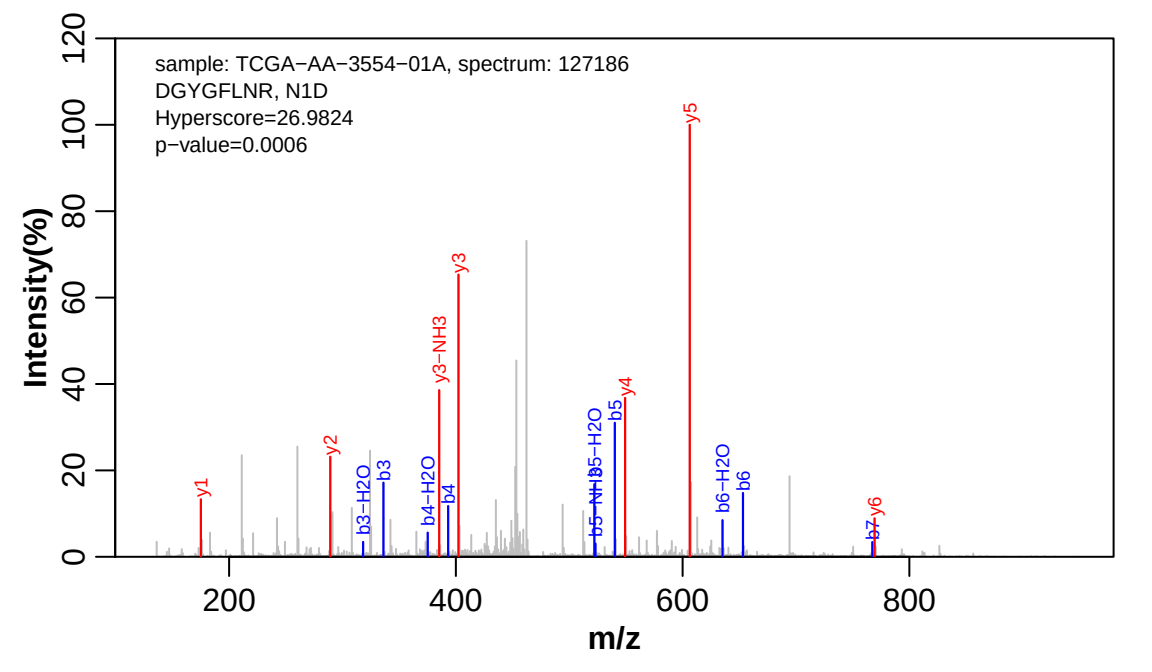

sample: TCGA−AA−3554−01A, spectrum: 72766
AVEVATVVLQPTVLR, S12T
Hyperscore=37.2606
p−value=0.0001
Intensity(%)
m/z
y2
b5
b6
b7
b7−NH3
b7−H2O
y6−H2O
y6
y5
b8
b8−NH3
b8−H2O
y7
b9
b9−NH3
b9−H2O
y8−NH3
y8
b10
b10−H2O
y9
b10−NH3
y10
y11−H2O
b12
b13−H2O
b14

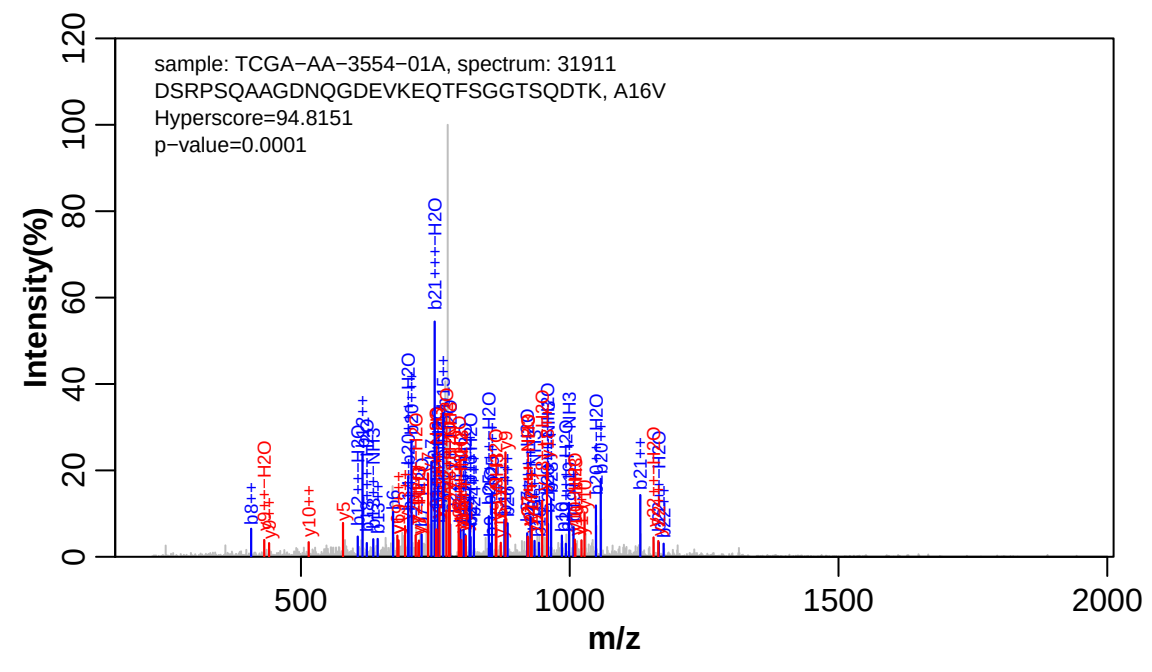

sample: TCGA−AA−3554−01A, spectrum: 26520
CDEPLNLLVR, S6N
Hyperscore=27.0990
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
y2−b2
b3−NH3
b3−H2O
b3
b4−NH3
y4
b4
b5−NH3
y5−H2O
b6−NH3
y6
b6
b7−NH3
b7−H2O
b7
y8
b8
b9−NH3
b9

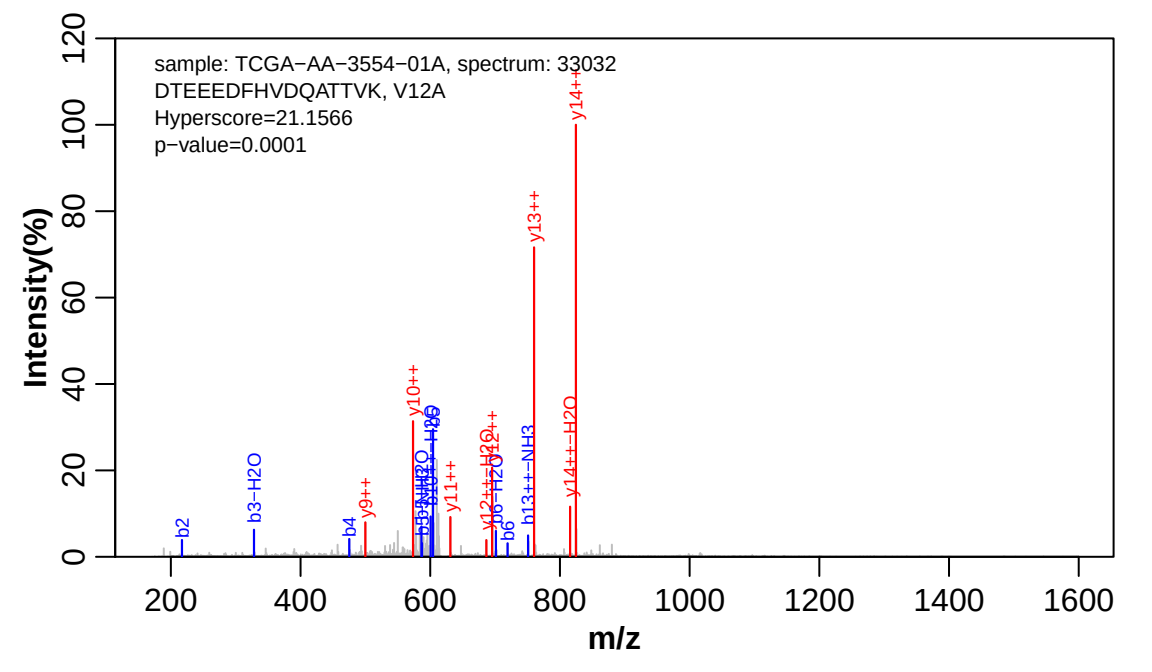

sample: TCGA−AA−3554−01A, spectrum: 69764
DAGNEQDLGLQYK, N1D
Hyperscore=29.1028
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−NH3
b4
y3
y3−H2O
y3−NH3
b5−H2O
b5−NH3
b5
y4
y5
y5−H2O
y5−NH3
b6−H2O
b6−NH3
b6
b7−H2O
b7−NH3
y7
y7−H2O
y7−NH3
b8−H2O
b8−NH3
b8
b9−H2O
b9−NH3
y8
y8−H2O
y8−NH3
b10−H2O
b10−NH3
b10
y9
b11−NH3
b11
y11
b12−H2O
b12

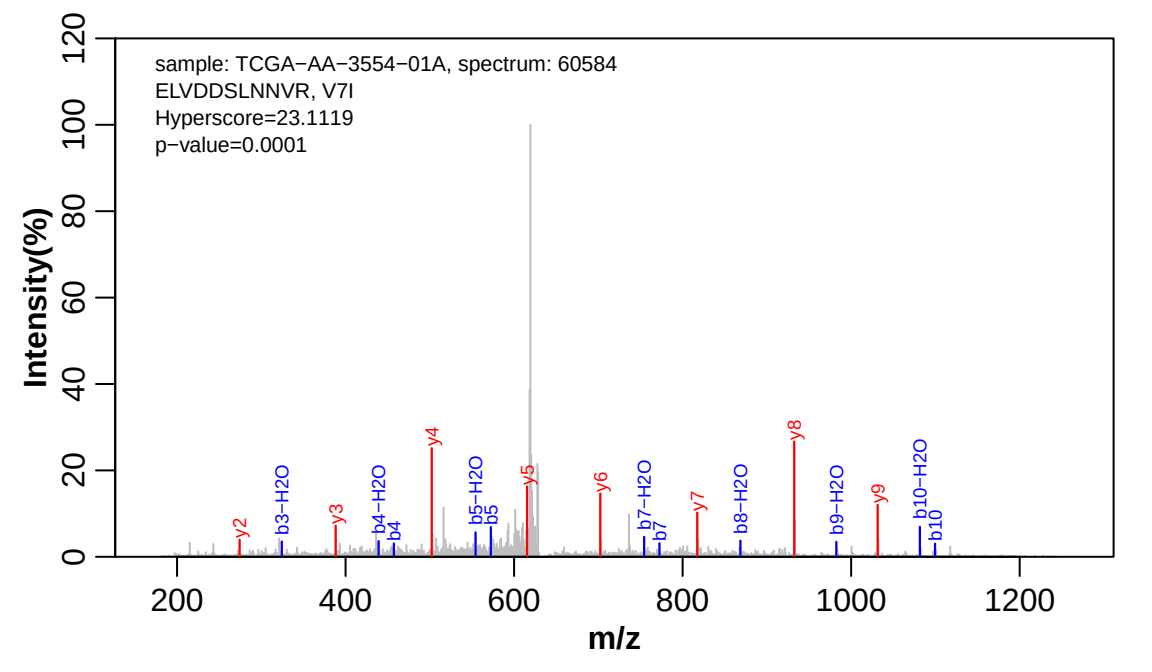

sample: TCGA−AA−3554−01A, spectrum: 17776
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=43.5020
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
y5
b5
y6−H2O
y6
b6−H2O
b6
y7
y8
b8
y9
b9
y11
b10
y11−NH3
y11−H2O
b11
y12−NH3
y12−H2O
y12
b12
b13
b13−NH3
b13−H2O
y14

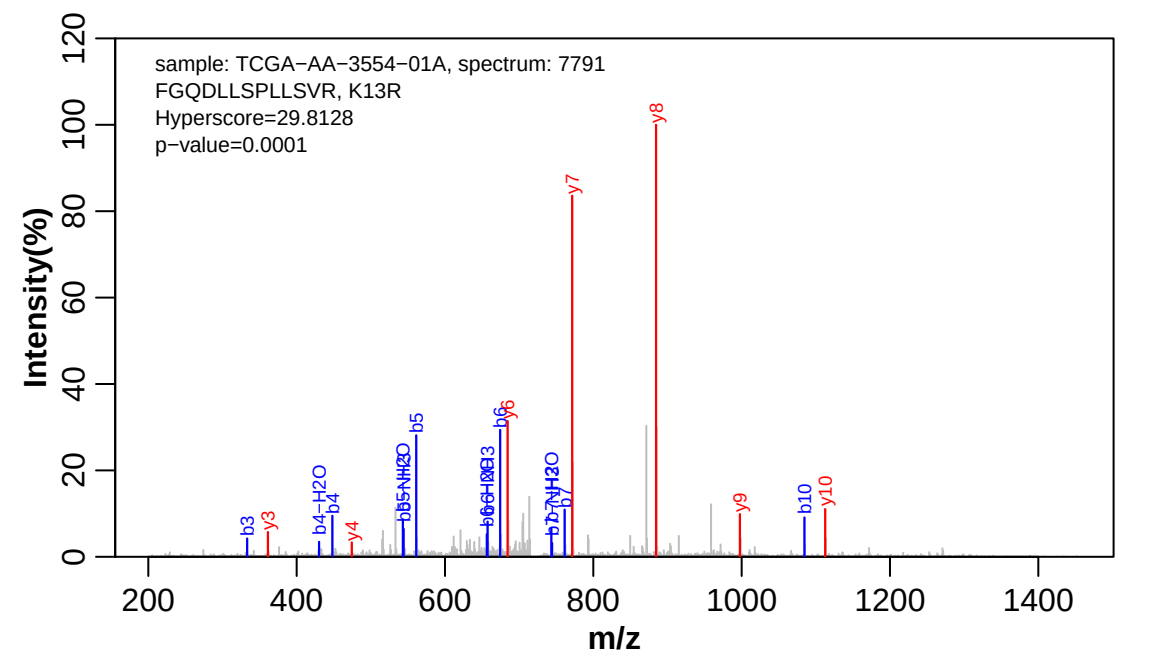

sample: TCGA−AA−3554−01A, spectrum: 18659
DGTVLCELLNALYPK, E15K
Hyperscore=76.6050
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
y2
y2−H2O
b4
y7++
y7−NH3
b8++−H2O
b5
b9+
b9+−H2O
b10+
b10+−H2O
b11++
b11++−H2O
y5
y10++
b6−H2O
b6
y11++
y6−NH3
b12++
b12++−H2O
y6
b13++
b13++−H2O
y7
y7−NH3
b8
b9−H2O
b9
b10
b11
b12

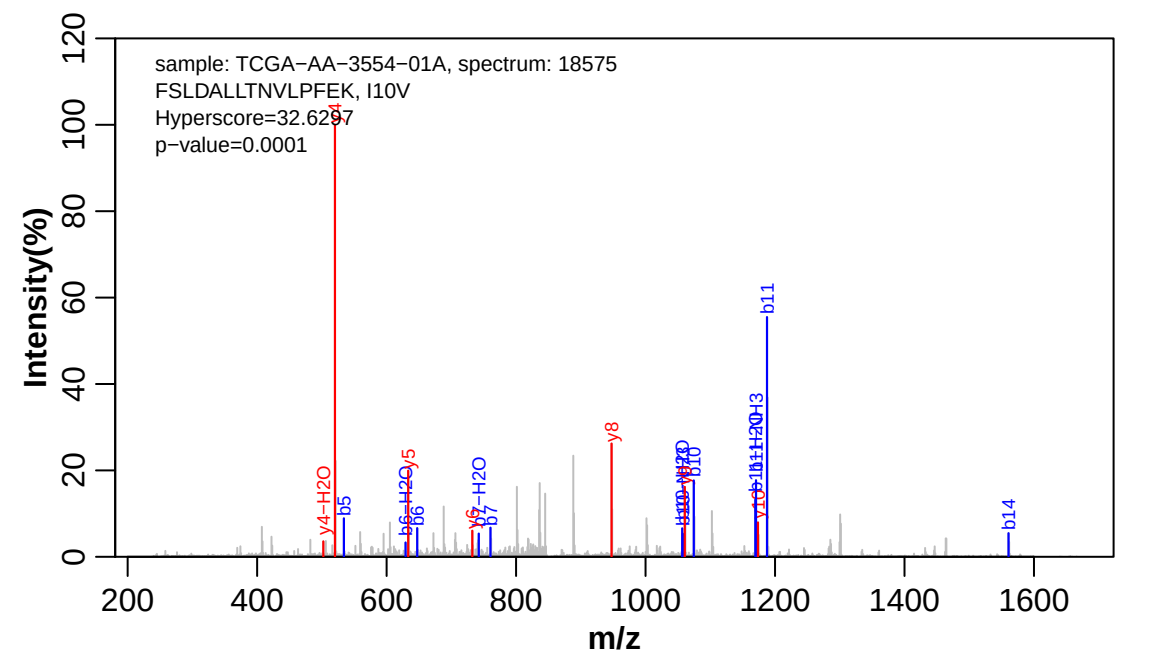

sample: TCGA−AA−3554−01A, spectrum: 127186
DGYGFLNR, N1D
Hyperscore=26.9824
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−H2O
b5−NH3
b5
y4
y5
b6−H2O
b6
b7
y6

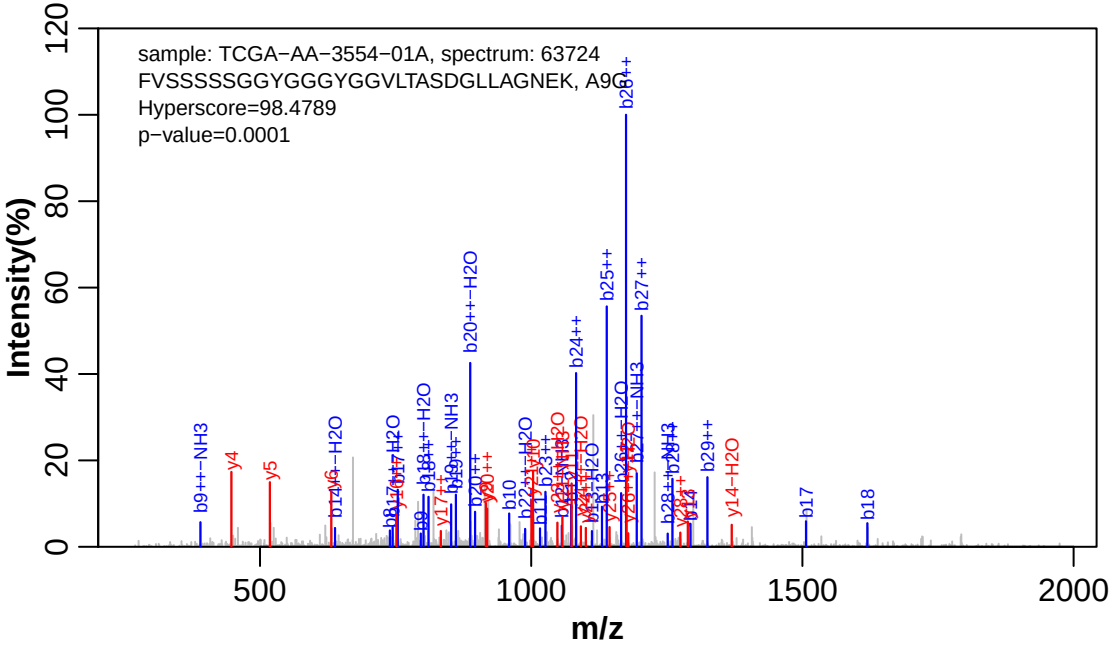

sample: TCGA−AA−3554−01A, spectrum: 31911
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=94.8151
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

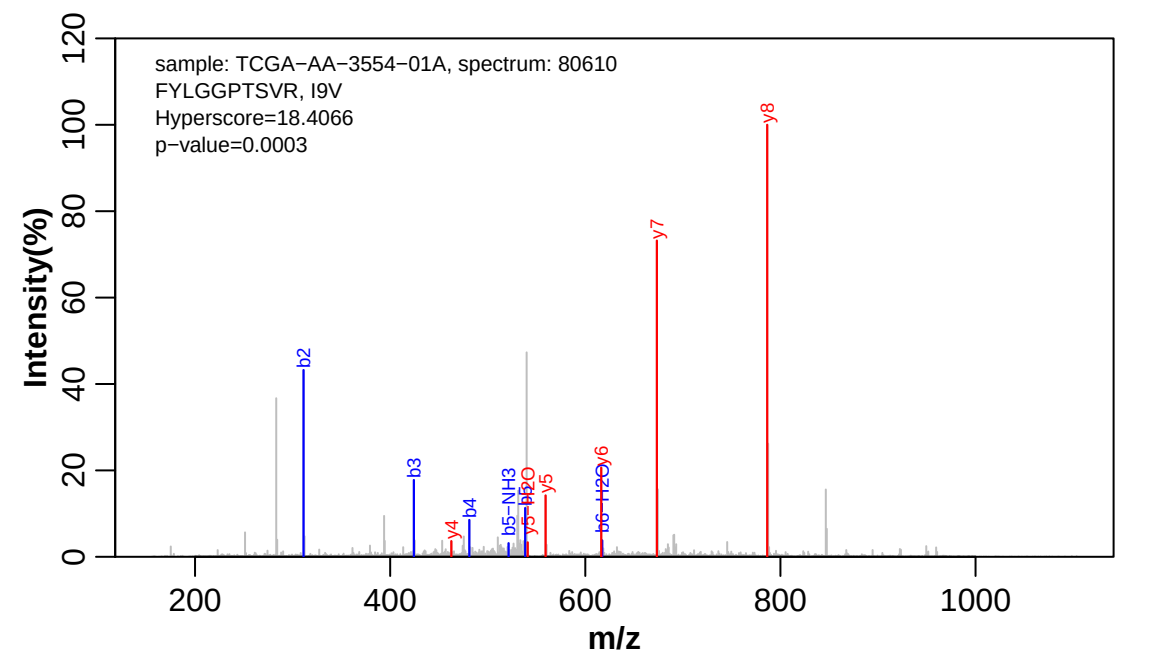

sample: TCGA−AA−3554−01A, spectrum: 33032
DTEEEDFHVDQATTVK, V12A
Hyperscore=21.1566
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
b4
y9++
y10++
y11++
y12++−H2O
y6−H2O
b6
b13++−NH3
y13++
y14++−H2O
y14++

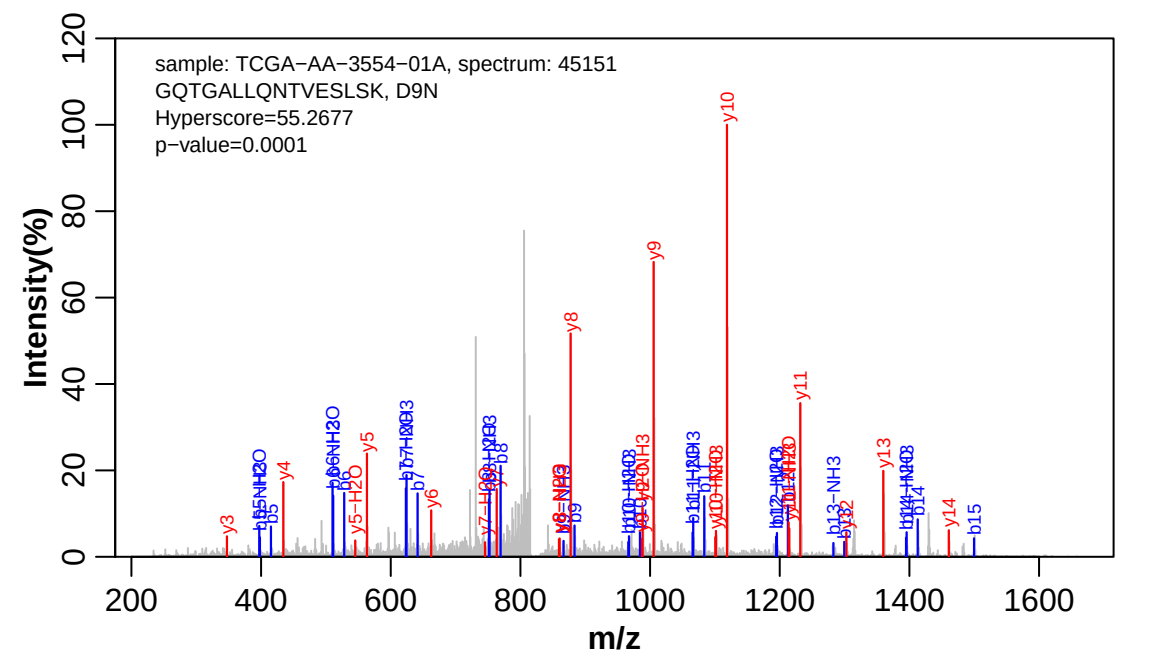

sample: TCGA−AA−3554−01A, spectrum: 60584
ELVDDSLNNVR, V7I
Hyperscore=23.1119
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7
b8−H2O
y8
b9−H2O
y9
b10−H2O
b10

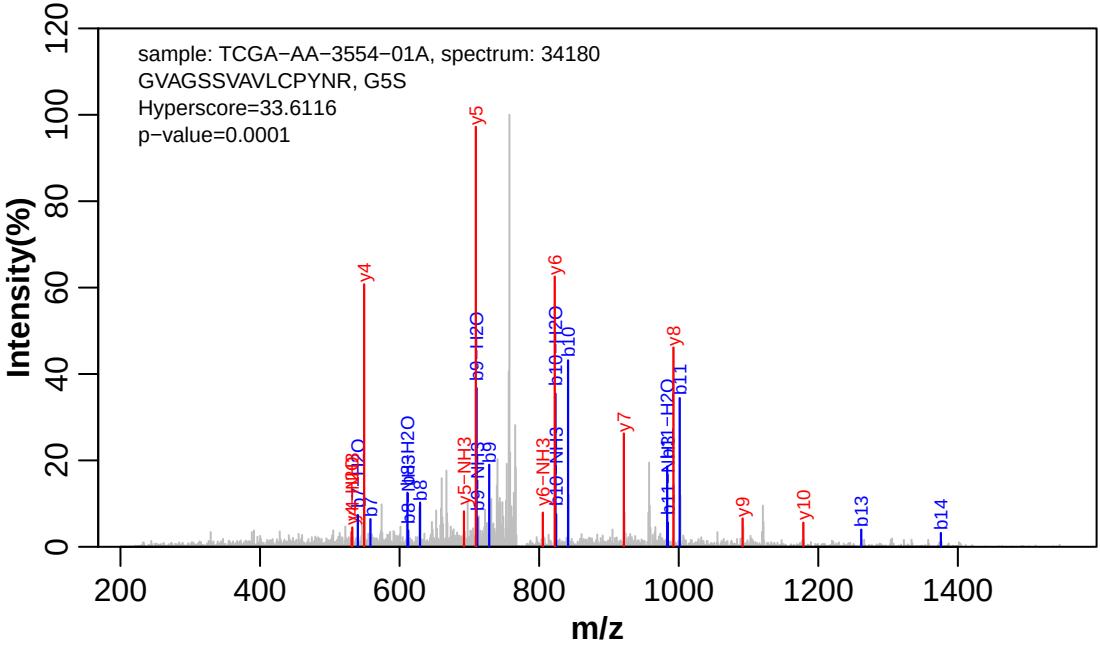

sample: TCGA−AA−3554−01A, spectrum: 7791
FGQDLLSPLLSVR, K13R
Hyperscore=29.8128
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5
y6
y7
y8
b7
y9
b10
y10

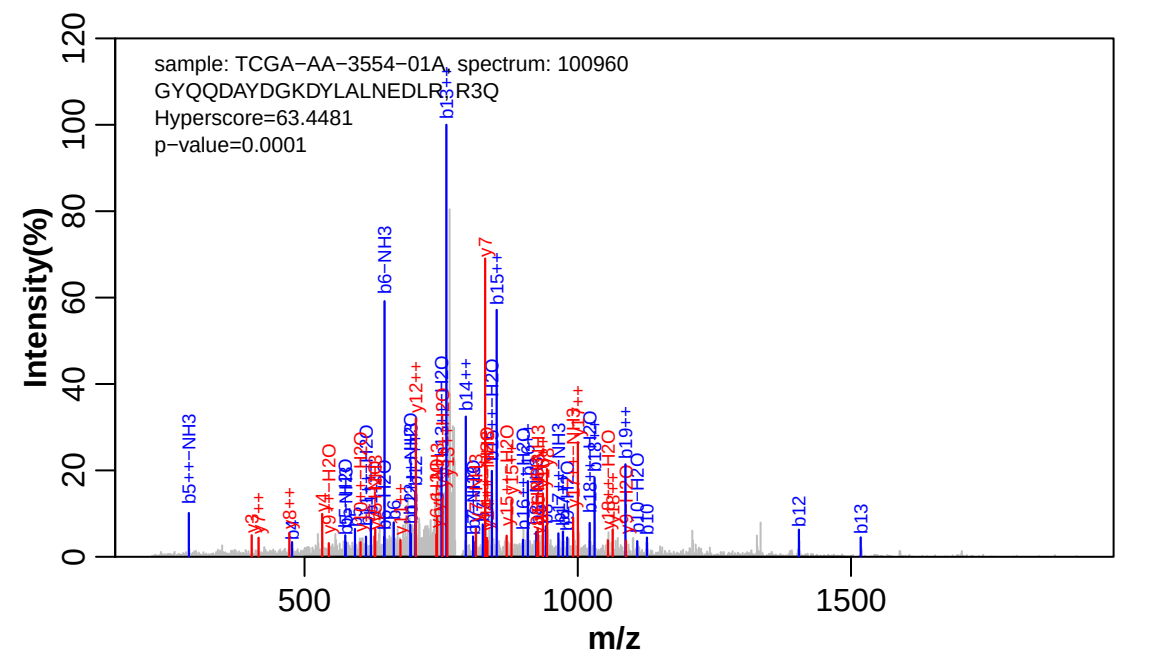

sample: TCGA−AA−3554−01A, spectrum: 18575
FSLDALLTNVLPFEK, I10V
Hyperscore=32.6297
p−value=0.0001
Intensity(%)
m/z
y4
y4−H2O
b5
b6−H2O
y5
b6
y6
y6−H2O
b7
y8
b10
b11
b11−H2O
b11−NH3
b14

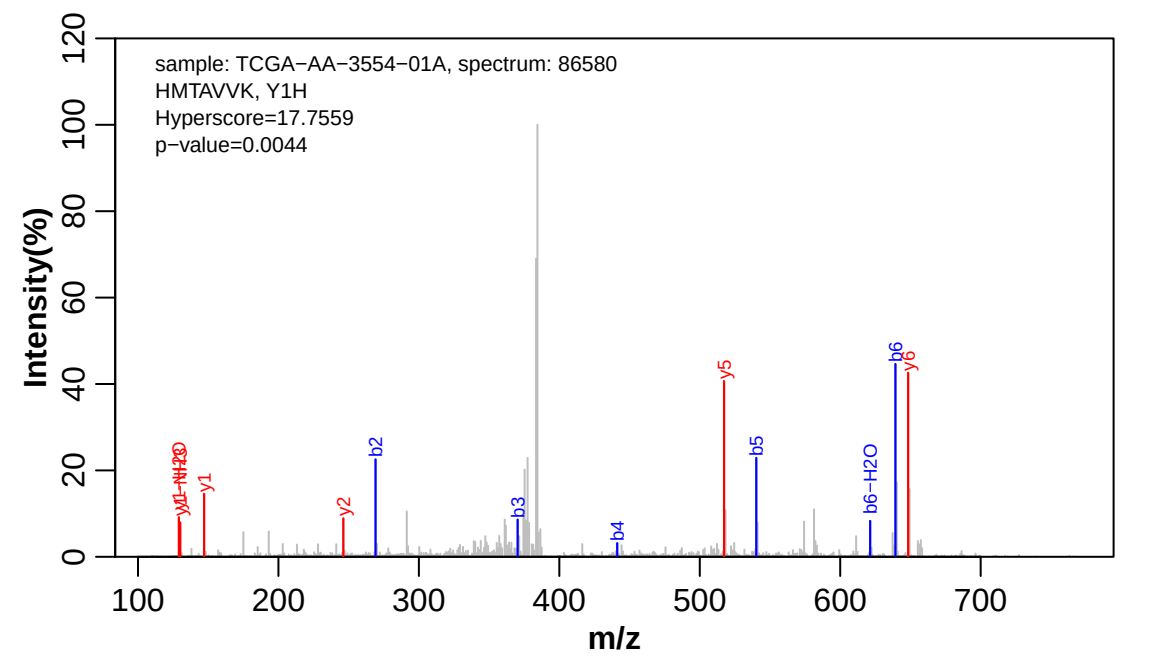

sample: TCGA−AA−3554−01A, spectrum: 63724
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=98.4789
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
b14++−H2O
b17++−H2O
b18++−H2O
b18++−NH3
v17++
b20++−H2O
b10
b22++−H2O
b23++
b24++
b25++
b26++−H2O
b27++
b28++−NH3
b28++
b29++
y14−H2O
b17
b18
b28++

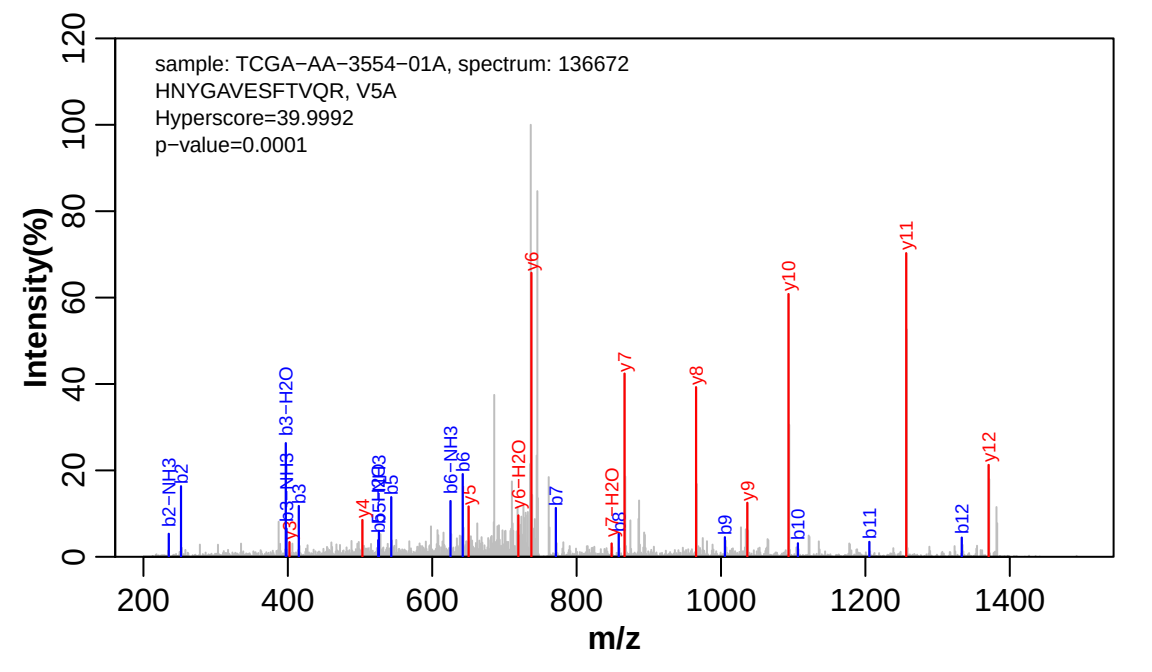

sample: TCGA−AA−3554−01A, spectrum: 80610
FYLGGPTSVR, I9V
Hyperscore=18.4066
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
y4
b4
b5−NH3
y5−H2O
y5
b6−H2O
y6
y7
y8

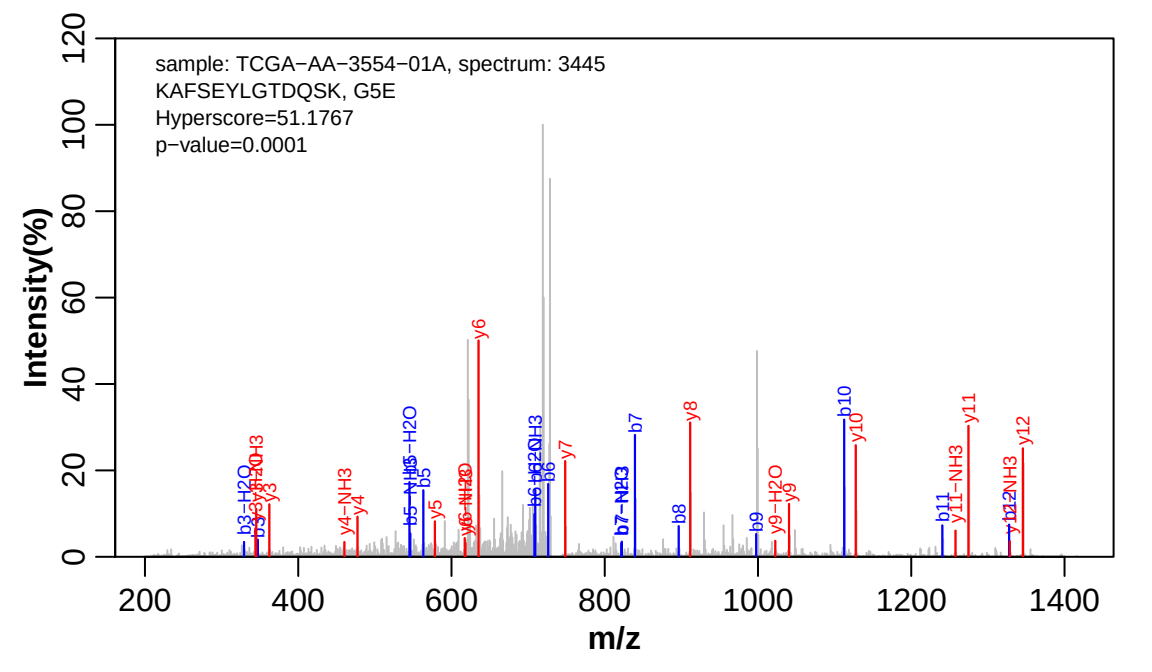

sample: TCGA−AA−3554−01A, spectrum: 45151
GQTGALLQNTVESLSK, D9N
Hyperscore=55.2677
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
b15
y5
y6
y4
y3

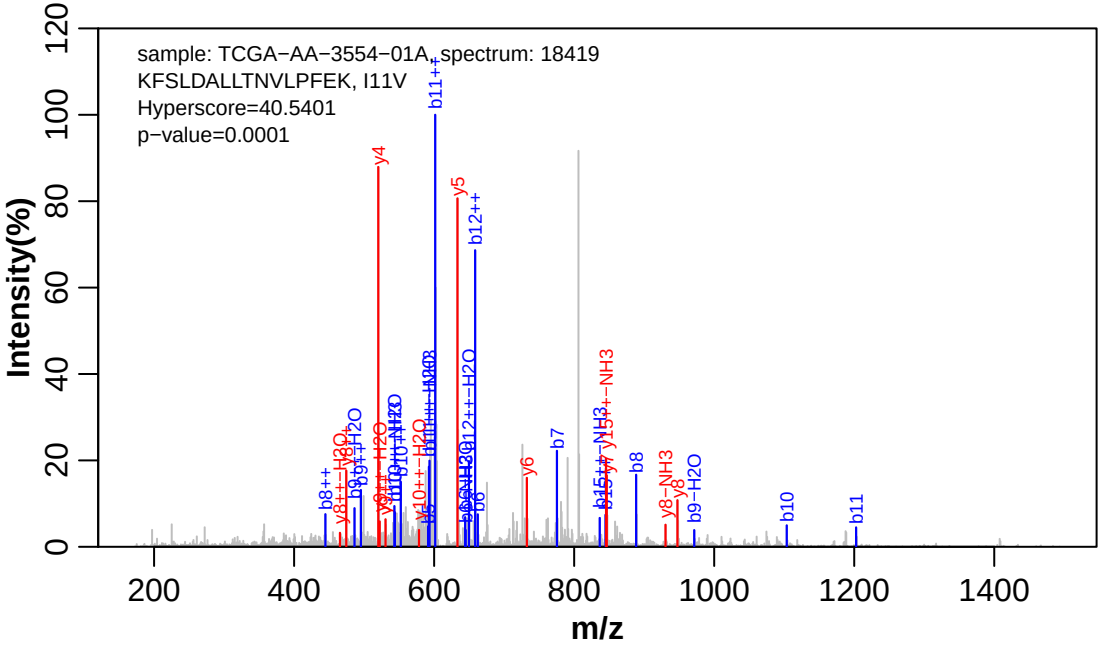

sample: TCGA−AA−3554−01A, spectrum: 34180
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.6116
p−value=0.0001
Intensity(%)
m/z
y4
y5
y6
y7
y8
y9
y10
b10
b11
b13
b14

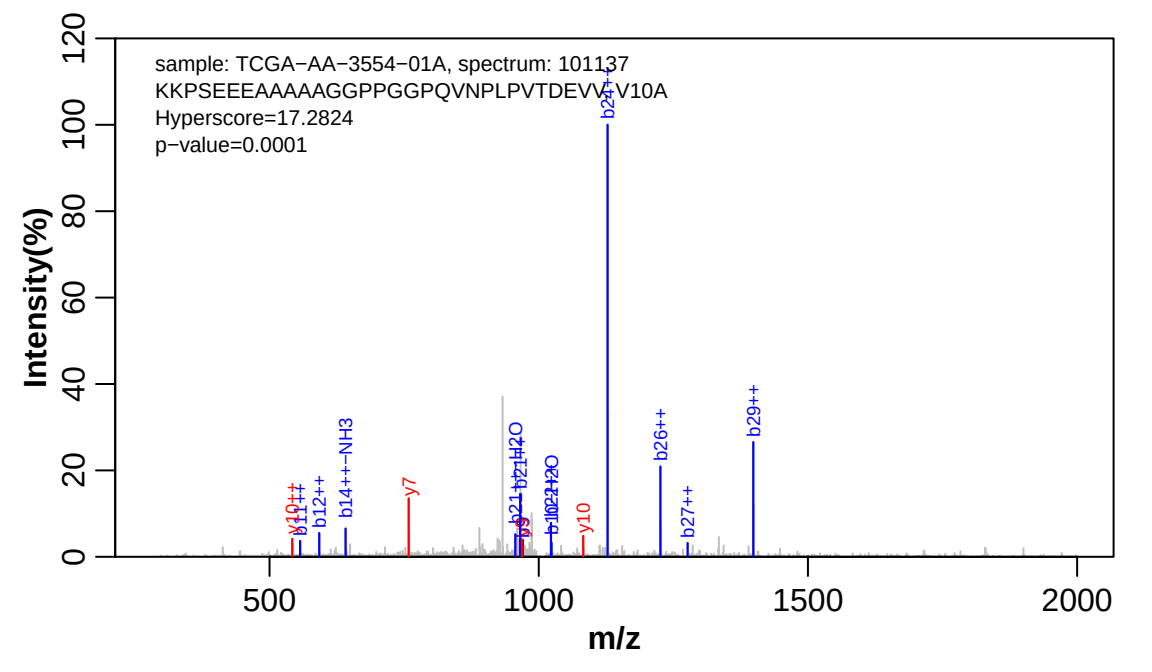

sample: TCGA−AA−3554−01A, spectrum: 100960
GYQQDAYDGKDYLALNEDLRSR3Q
Hyperscore=63.4481
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b15++
b6−NH3
b5++−NH3
b14++
y7
b15++
y12++
b19++
b12
b13

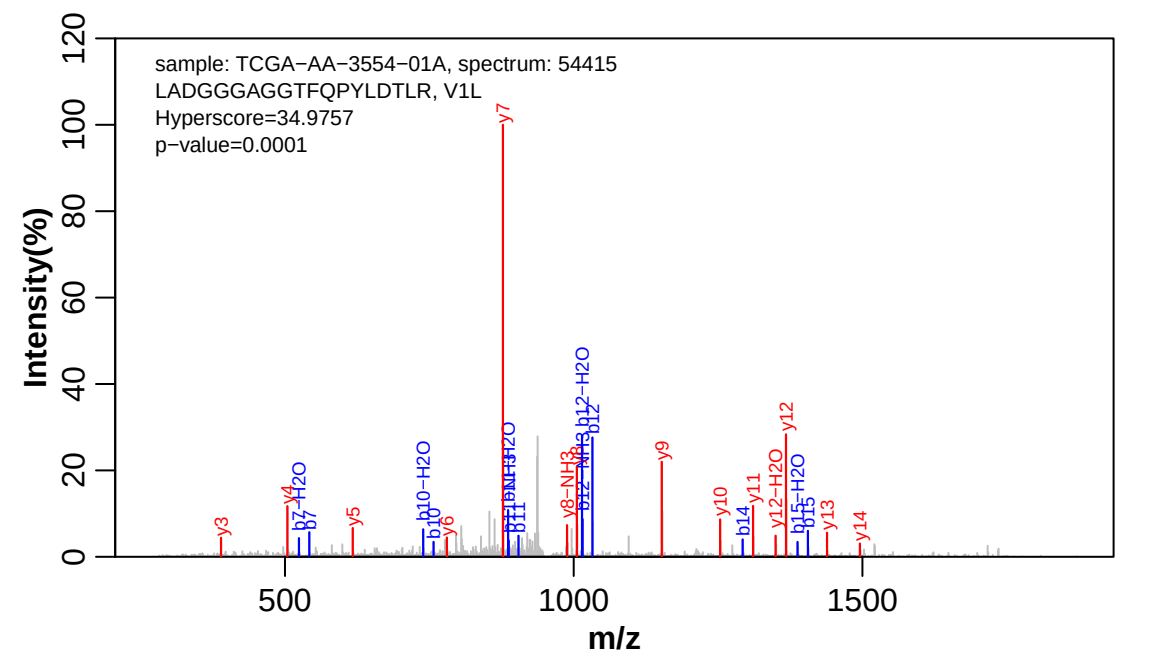

sample: TCGA−AA−3554−01A, spectrum: 86580
HMTAVVK, Y1H
Hyperscore=17.7559
p−value=0.0044
Intensity(%)
m/z
y1−NH3
y1
y2
b2
b3
b4
y5
b5
b6−H2O
b6
y6

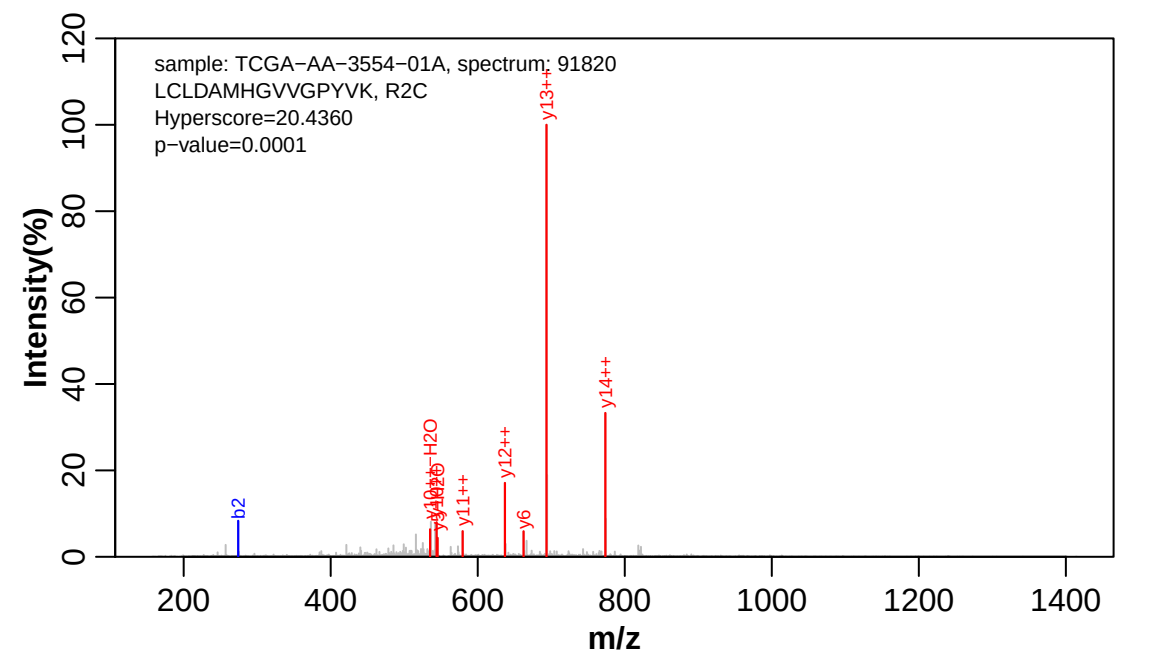

sample: TCGA−AA−3554−01A, spectrum: 136672
HNYGAVESFTVQR, V5A
Hyperscore=39.9992
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−NH3
b2
b3−NH3
b3−H2O
b3
y4
b5−NH3
b5
b6−NH3
b6
y5
y6−H2O
y6
b7
y7−H2O
y7
y8
b9
y9
b10
y10
b11
y11
b12
y12

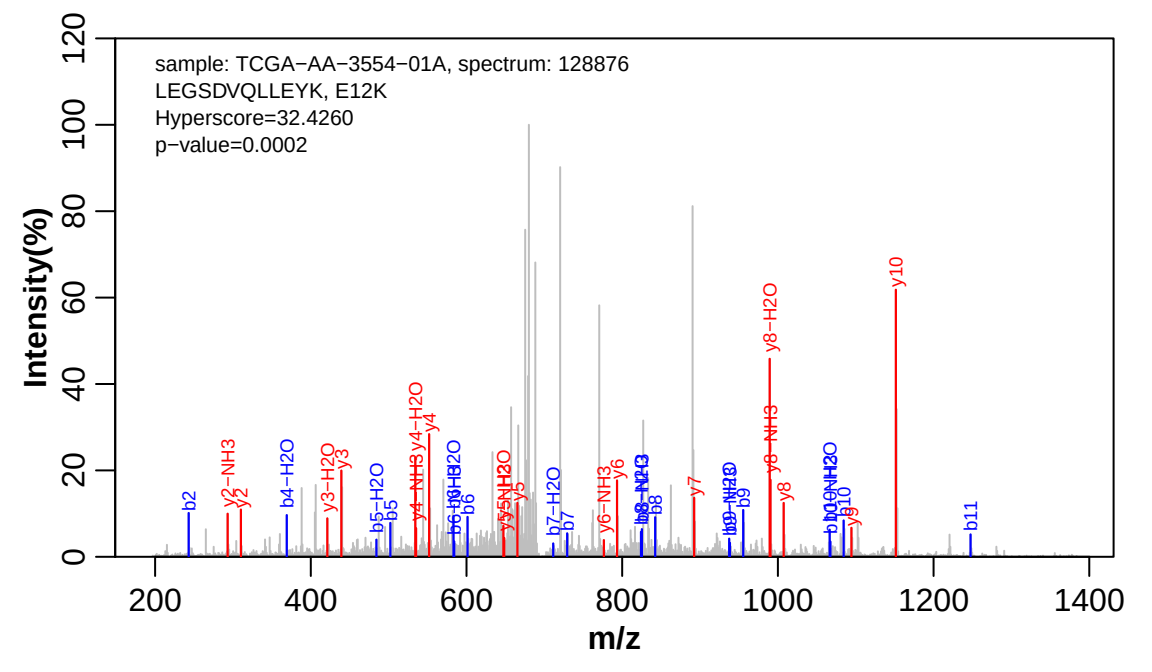

sample: TCGA−AA−3554−01A, spectrum: 3445
KAFSEYLGTDQSK, G5E
Hyperscore=51.1767
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
y3
y4−NH3
y4
b5−NH3
b5−H2O
b5
y5
y6
b6
y7
b7
y8
b8
b9
y9−H2O
y9
b10
y10
b11
y11−NH3
y11
y12−NH3
y12

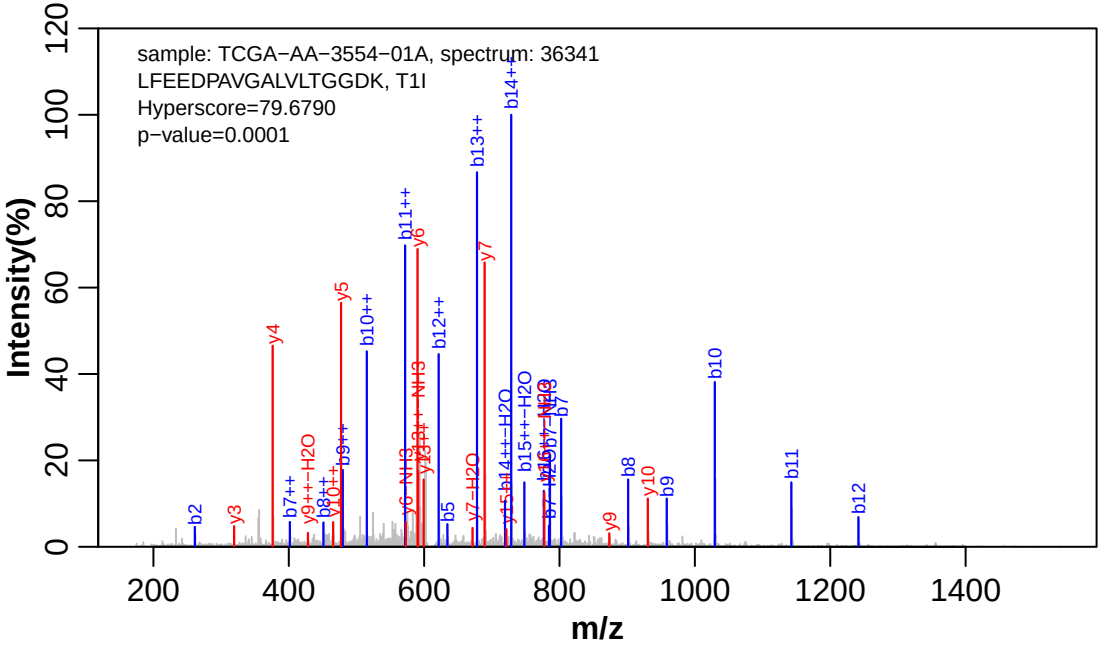

sample: TCGA−AA−3554−01A, spectrum: 18419
KFSLDALLTNVLPFEK, I11V
Hyperscore=40.5401
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b11++
y4
y5
b12++
b12++−H2O
b7
y6
b8
y8−NH3
y8
b9−H2O
b10
b11
b8++
b9++
y6++
y7++
y10++
b12++−NH3
y15++−NH3

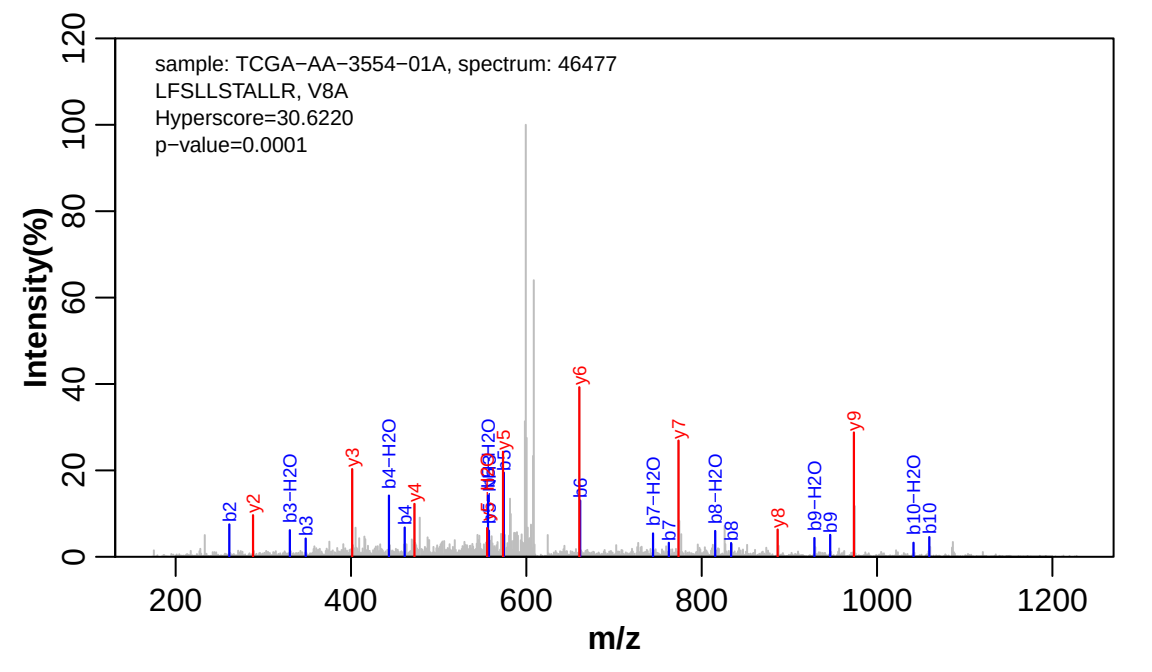

sample: TCGA−AA−3554−01A, spectrum: 101137
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV+V10A
Hyperscore=17.2824
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
b29++
b26++
b27++
b14++−NH3
y7
y10
b12++

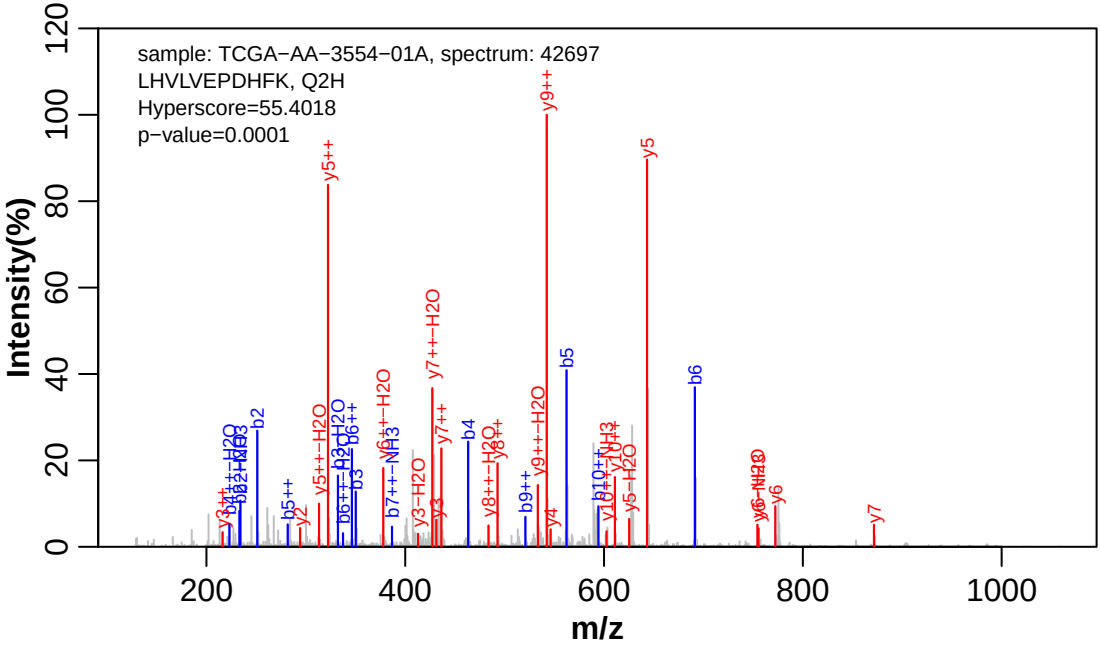

sample: TCGA−AA−3554−01A, spectrum: 54415
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=34.9757
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
b7−H2O
b7
y5
b10−H2O
b10
y6
y7
b11−H2O
b11
y8−NH3
y8
b12−NH3
b12−H2O
b12
y9
y10
b14
y11
y12−H2O
y12
b15−H2O
b15
y13
y14

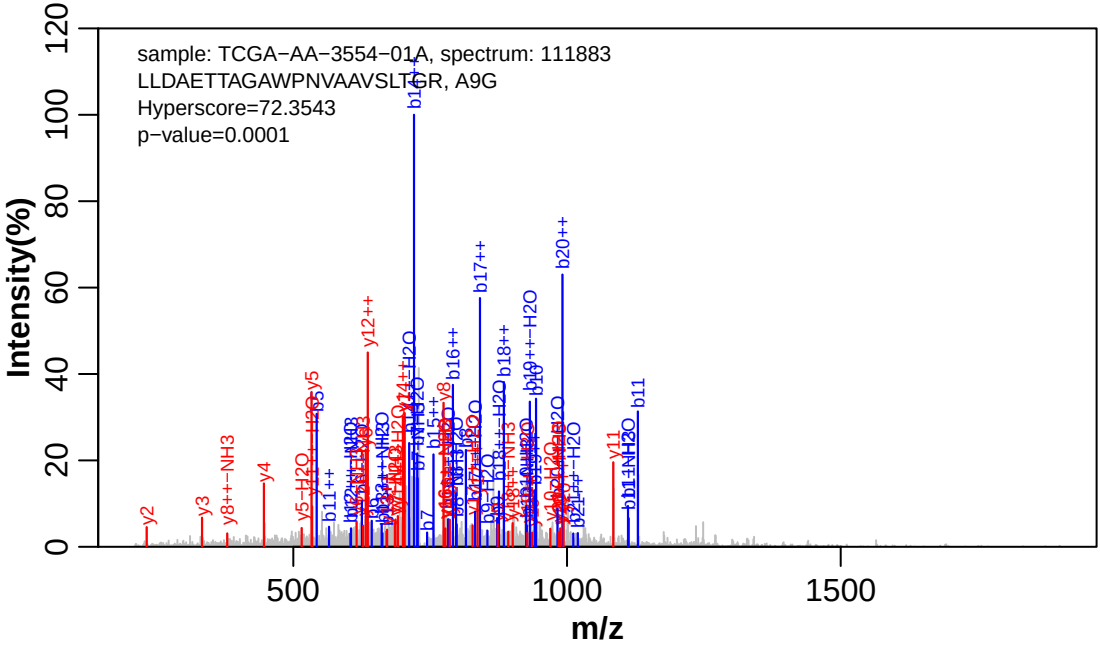

sample: TCGA−AA−3554−01A, spectrum: 91820
LCLDAMHGVVGPYVK, R2C
Hyperscore=20.4360
p−value=0.0001
Intensity(%)
m/z
b2
y11++
y12++
y13++
y14++
y6
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

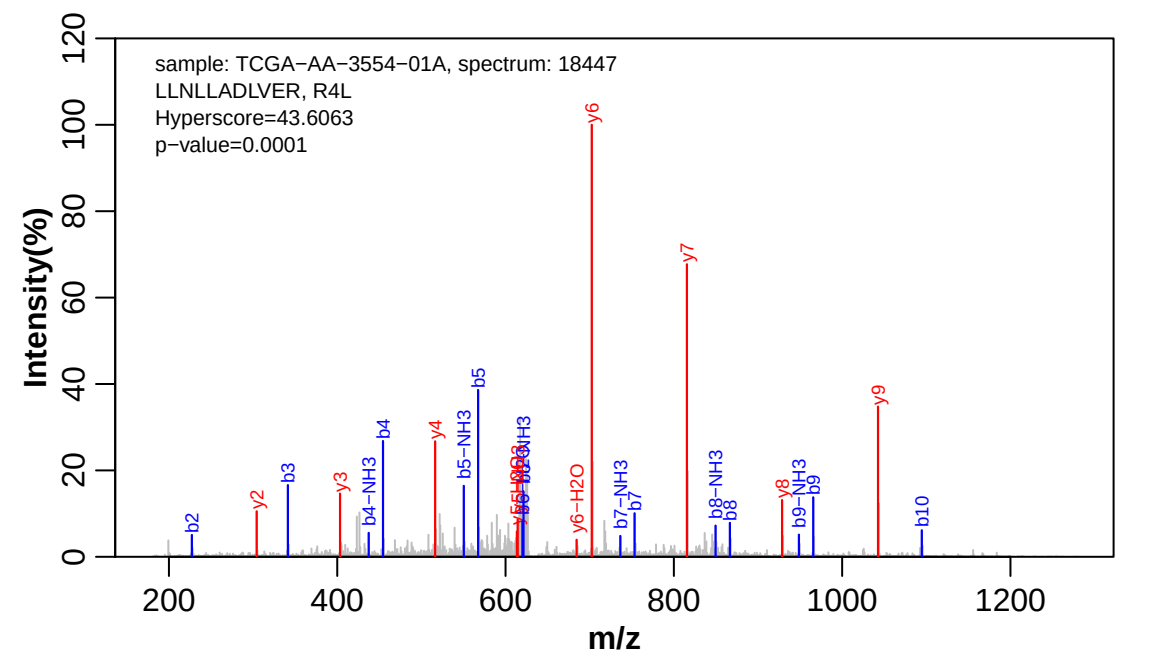

sample: TCGA−AA−3554−01A, spectrum: 128876
LEGSDVQLLEYK, E12K
Hyperscore=32.4260
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2−NH3
y2
b4−H2O
y3−H2O
y3
b5−H2O
b5
y4−NH3
y4−H2O
y4
b6
y5
b7−H2O
b7
y6−NH3
y6
b8
y7
b9
y8−H2O
y8−NH3
y8
y10
b11

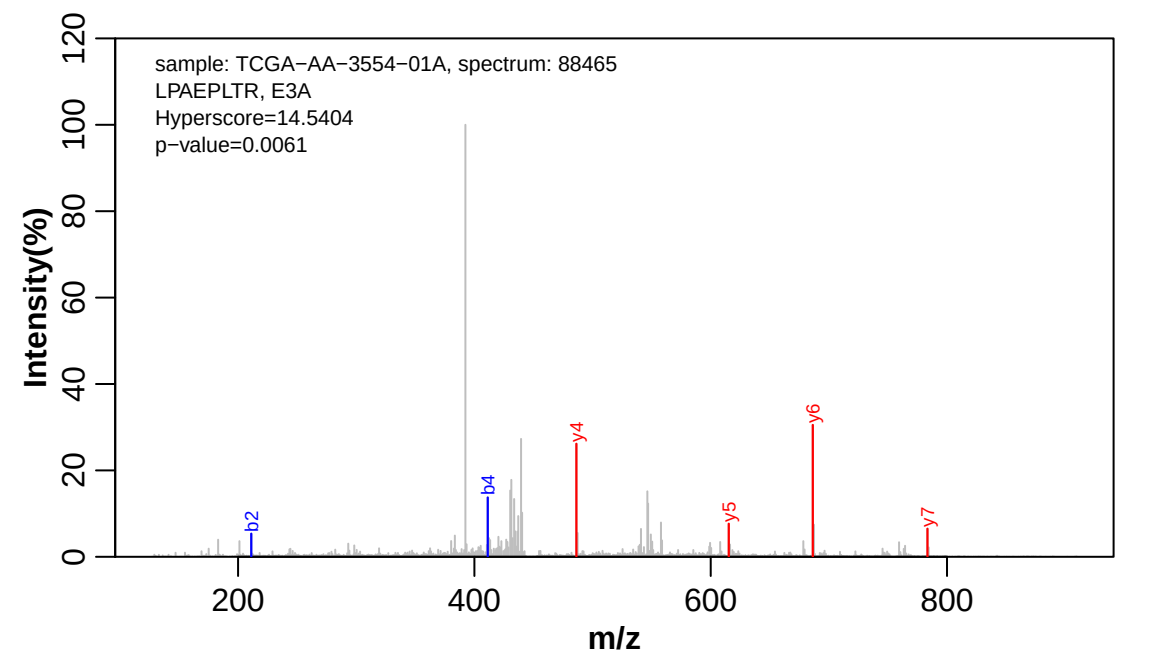

sample: TCGA−AA−3554−01A, spectrum: 36341
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=79.6790
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
y9++−H2O
b8++
y10++
b9++
y5
b10++
y6
b11++
y6−NH3
y3++−NH3
b12++
b5
y7
b13++
y7−H2O
y5−H2O
b14++
b15++−H2O
b14++
b7
b8
y10
b9
y9
b10
b11
b12

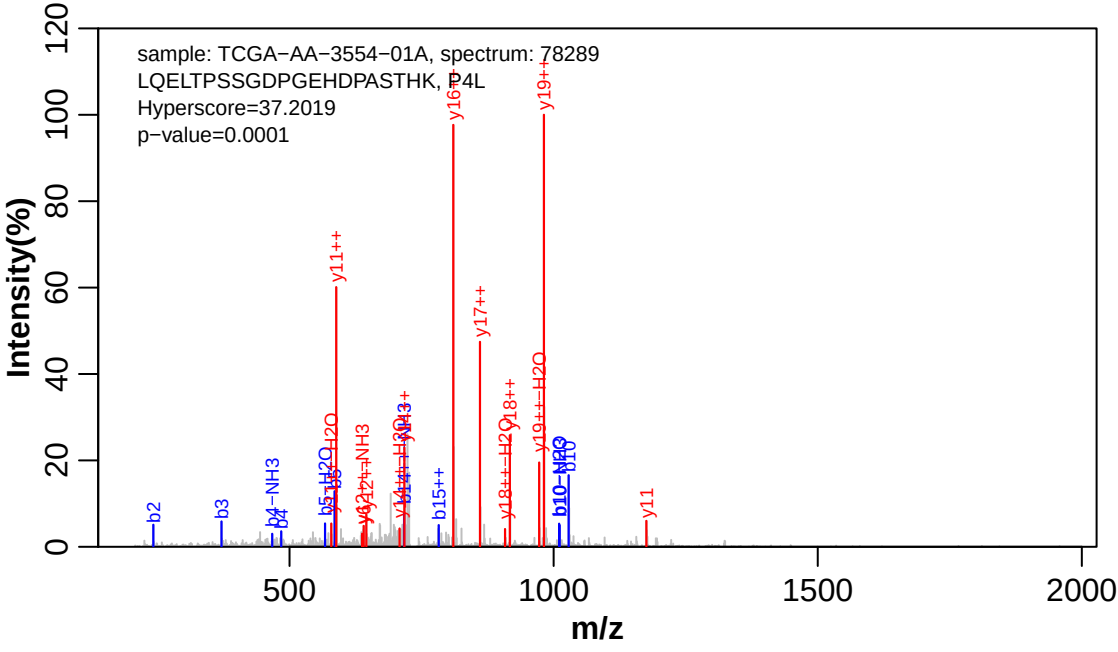

sample: TCGA−AA−3554−01A, spectrum: 46477
LFSLLSTALLR, V8A
Hyperscore=30.6220
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6
y6
b7−H2O
b7
y7
b8−H2O
b8
y8
b9−H2O
b9
y9
b10−H2O
b10

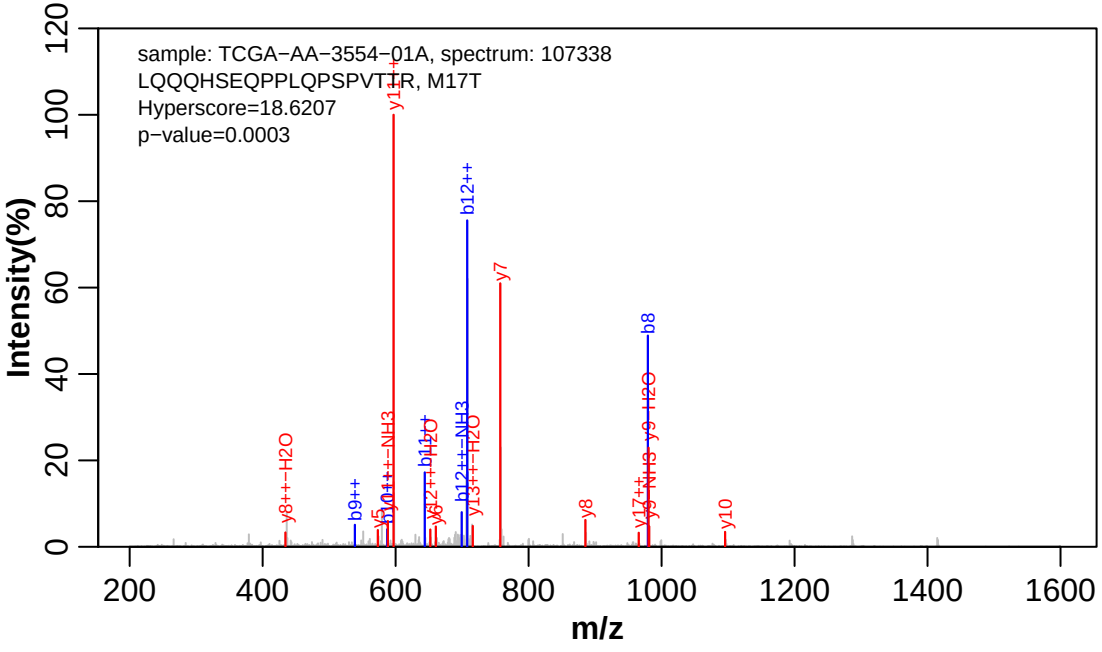

sample: TCGA−AA−3554−01A, spectrum: 42697
LHVLVEPDHFK, Q2H
Hyperscore=55.4018
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y9++
y5
y5++
b5
b6
y7++−H2O
y7++
b4
y5++−H2O
y8++
y8++−H2O
y9++−H2O
y3−H2O
b7++−NH3
b6++−H2O
b6++
b5++
b5++−H2O
b5++−NH3
b2
b5++
y2
b9++
y4
b10++
y10++
y10++−NH3
y5−H2O
y6−NH3
y6
y7

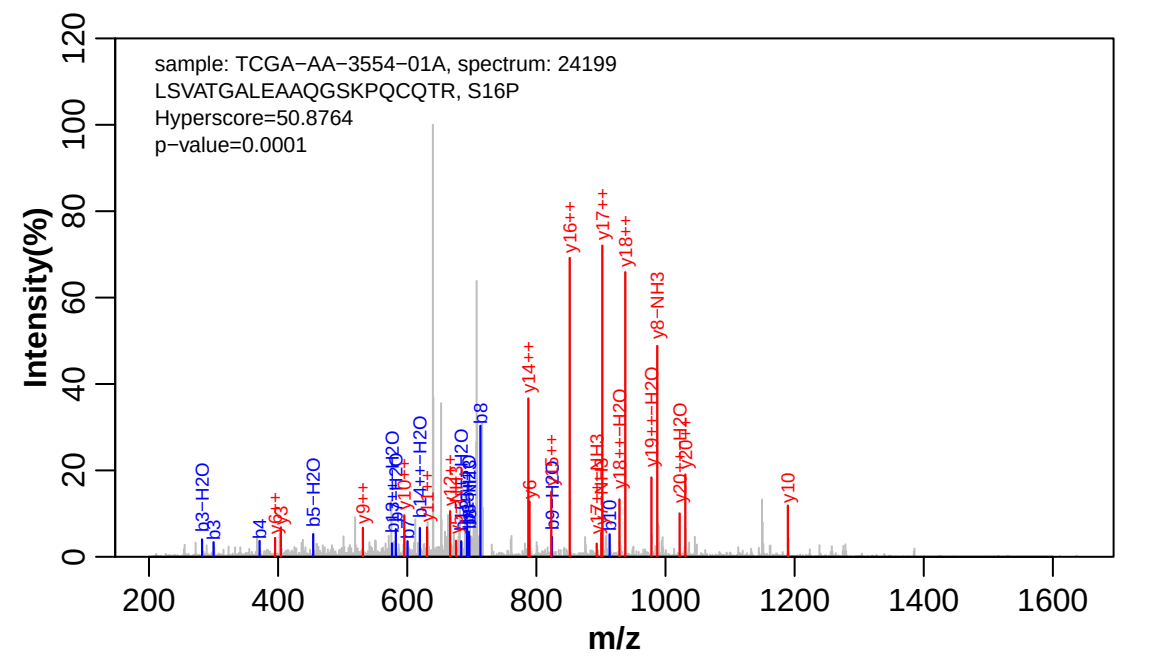

sample: TCGA−AA−3554−01A, spectrum: 111883
LLDAETTAGAWPNVAAVSLTGR, A9G
Hyperscore=72.3543
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
y8++−NH3
y4
y5−H2O
y5
b5
b11++
y12++
b14++
b16++
b17++
b18++
b20++
b11
y11
b11−NH2O

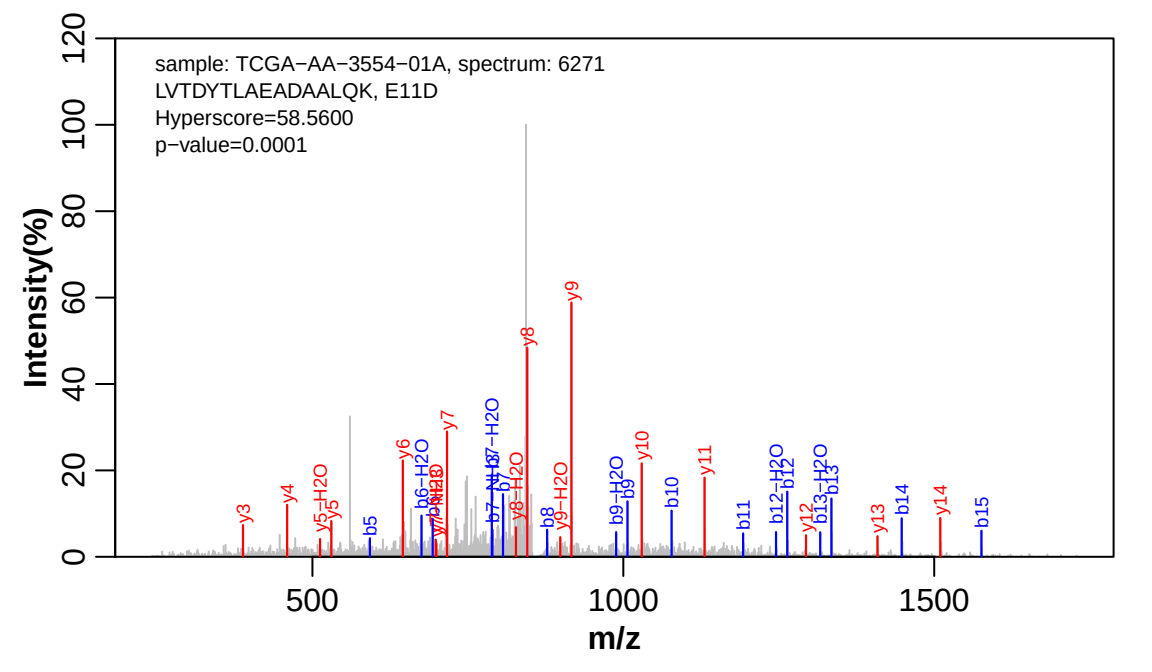

sample: TCGA−AA−3554−01A, spectrum: 18447
LLNLLADLVER, R4L
Hyperscore=43.6063
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y6−H2O
b7−NH3
b7
y6
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

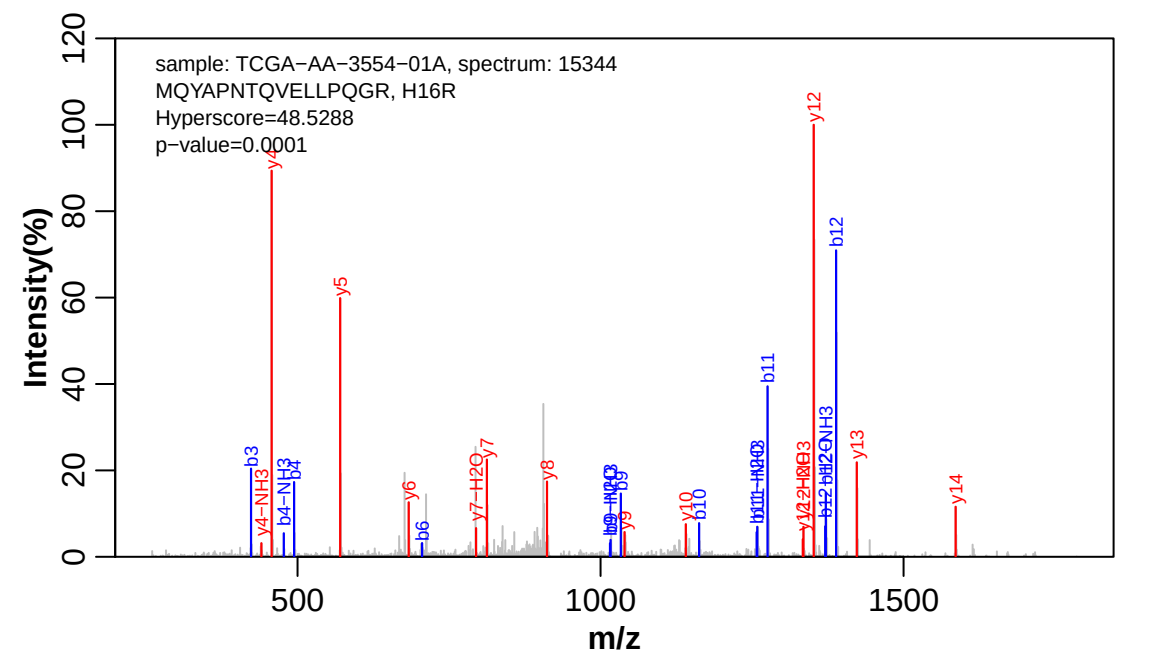

sample: TCGA−AA−3554−01A, spectrum: 88465
LPAEPLTR, E3A
Hyperscore=14.5404
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b4
y4
y5
y6
y7

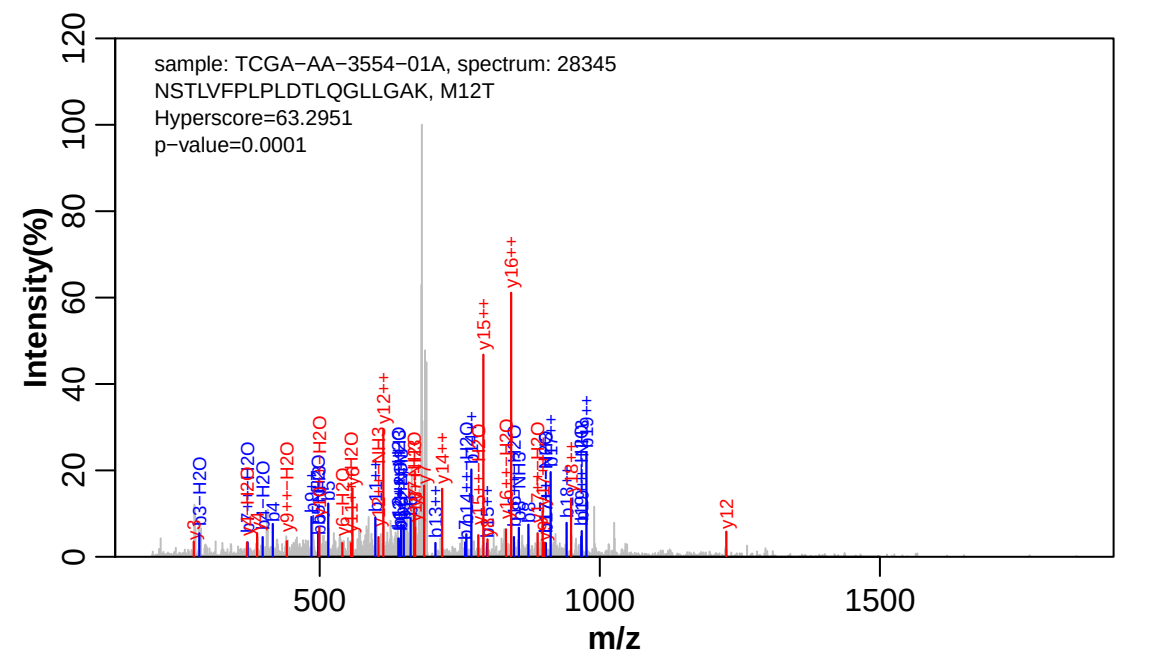

sample: TCGA−AA−3554−01A, spectrum: 78289
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=37.2019
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b2
b3
b4−NH3
y11++
y16++
y17++
y18++−H2O
y19++
y19++−H2O
b15++
y11

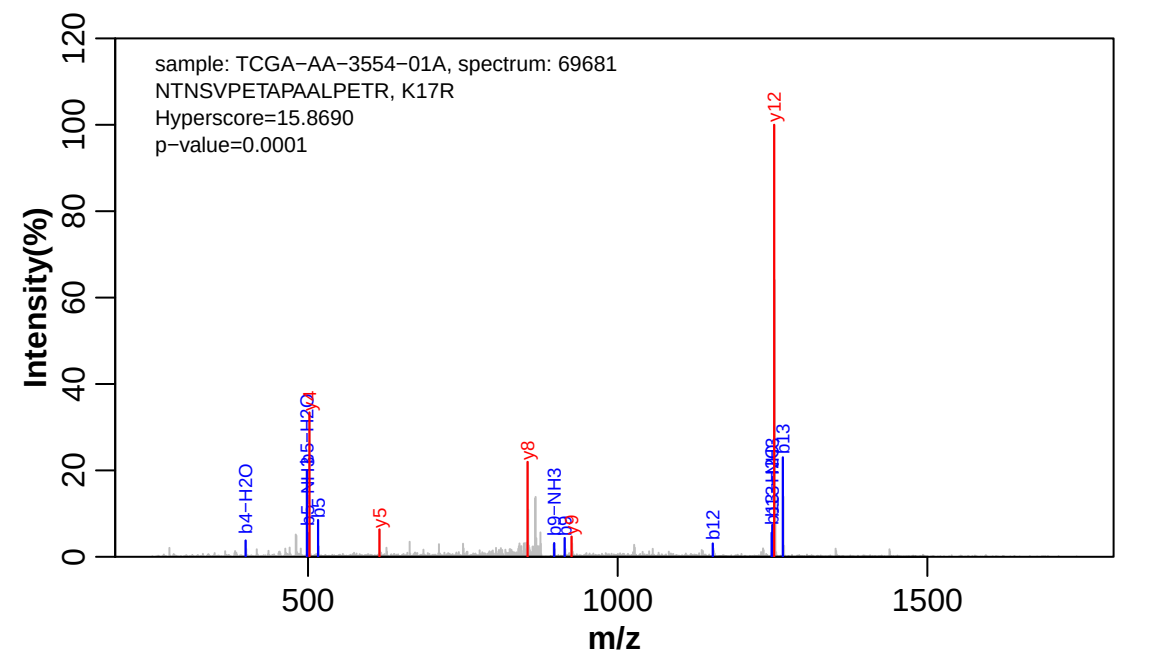

sample: TCGA−AA−3554−01A, spectrum: 107338
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=18.6207
p−value=0.0003
Intensity(%)
m/z
y11++
b12++
y7
b8
y8++−H2O
b9++
y5
b10++−NH3
b11++
y6
y12++
b12++−NH3
y13++−H2O
y8
y17++
y9−NH3
y9−H2O
y10

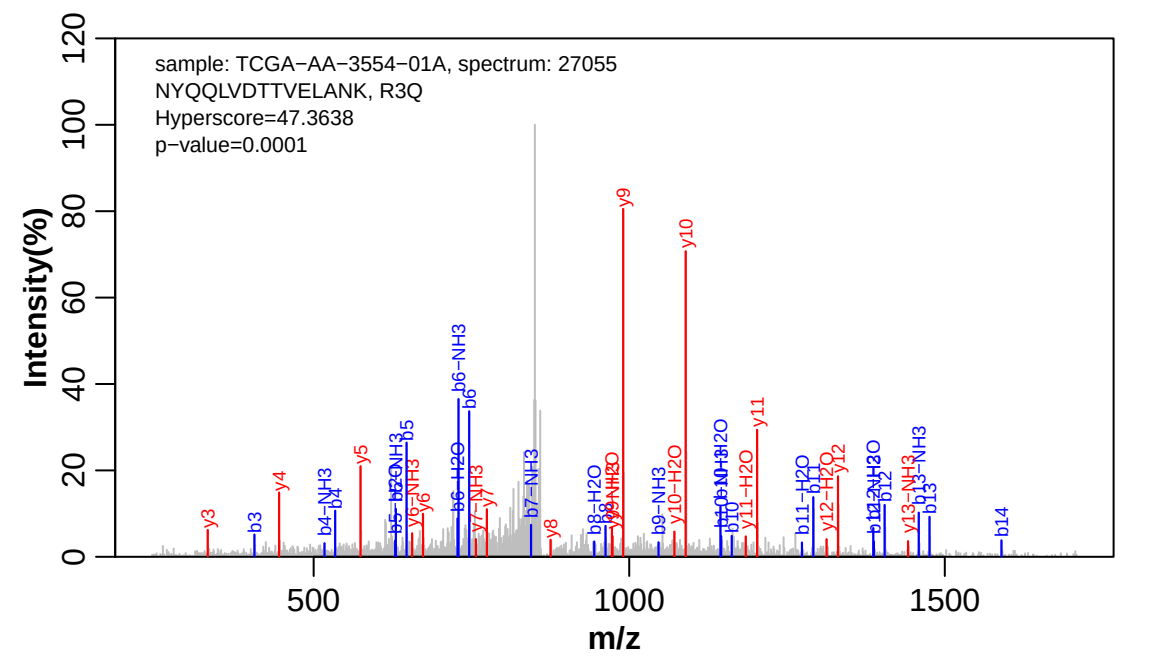

sample: TCGA−AA−3554−01A, spectrum: 24199
LSVATGALEAAQGSKPQCQTR, S16P
Hyperscore=50.8764
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
b4
y3++
b5−H2O
y9++
b8
y14++
y6
y16++
y17++
y18++
y8−NH3
y19++−H2O
y10

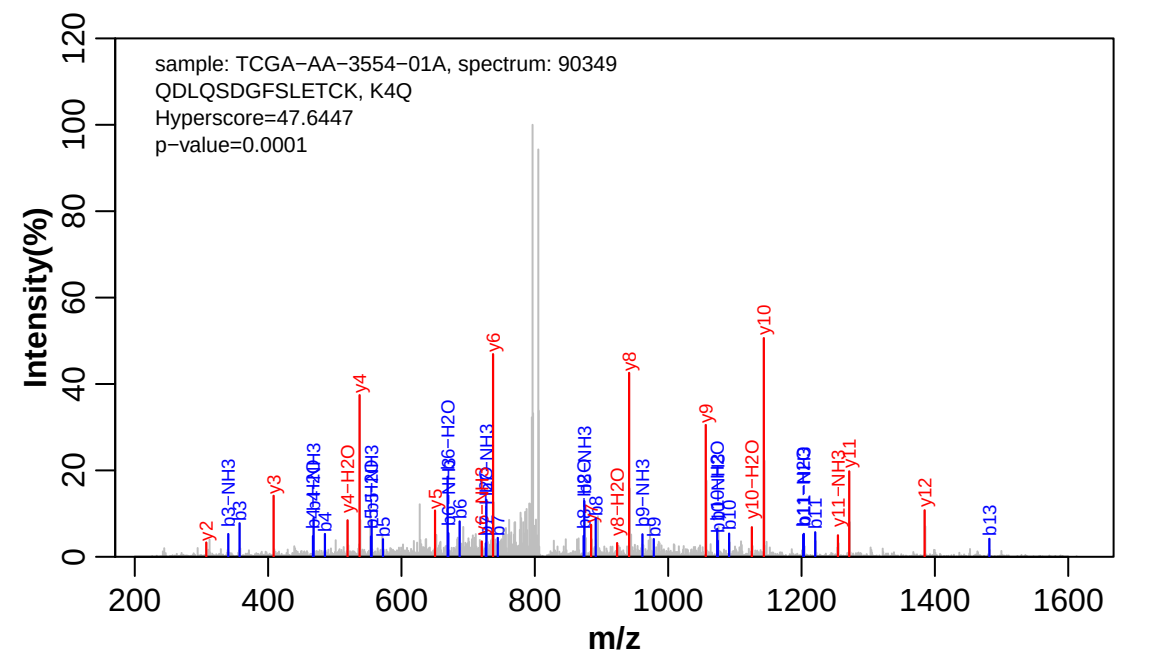

sample: TCGA−AA−3554−01A, spectrum: 6271
LVTDYTLAEADAALQK, E11D
Hyperscore=58.5600
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
y5−H2O
y5
b5
y6
b6−H2O
y7
b7−NH3
b7−H2O
y8
y8−H2O
y9
y9−H2O
b8
b9−H2O
b9
y10
b10
y11
b11
b12−H2O
b12
y12
b13−H2O
b13
y13
b14
y14
b15

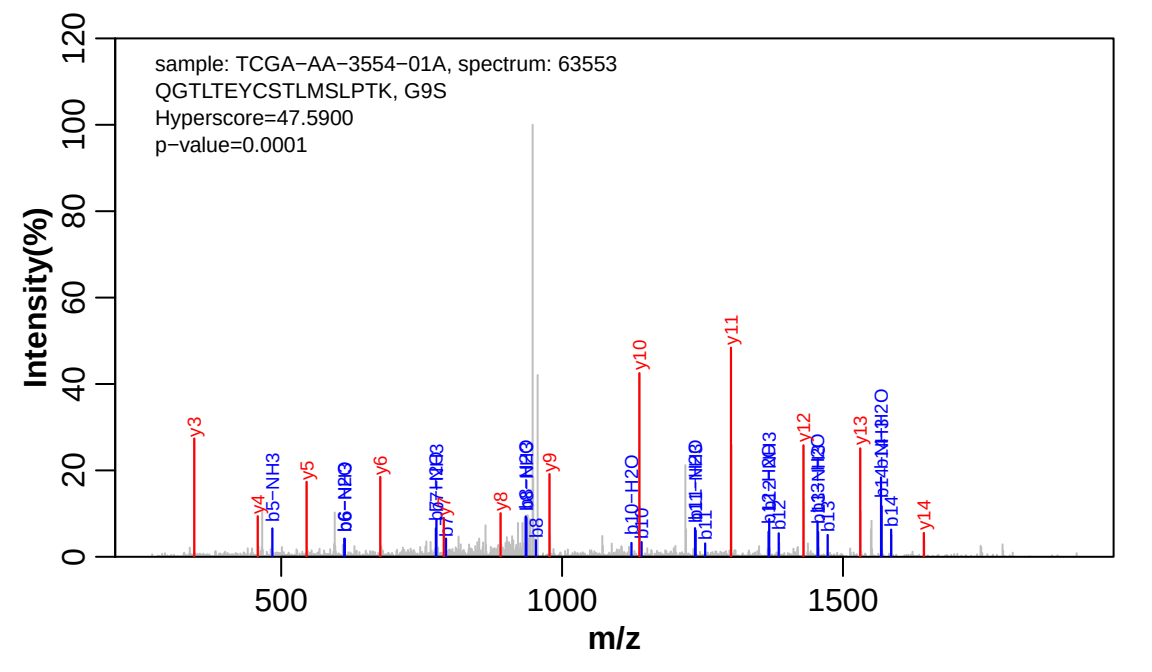

sample: TCGA−AA−3554−01A, spectrum: 15344
MQYAPNTQVELLPQGR, H16R
Hyperscore=48.5288
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y4
y5
b12
b11
y13
y14
y8
y7
y6
b3
y4−NH3
b4
b4−NH3
b6
y7−H2O
y10
b10
y9
b9

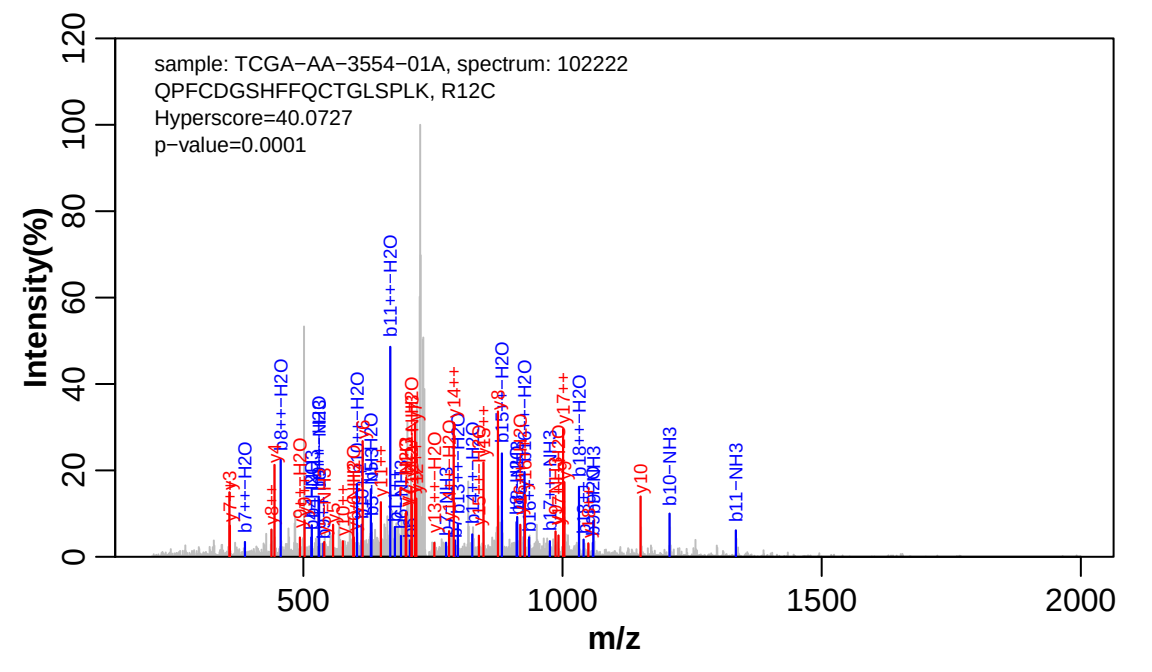

sample: TCGA−AA−3554−01A, spectrum: 28345
NSTLVFPLPLDTLQGLLGAK, M12T
Hyperscore=63.2951
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16++
y15++
y12++
y12
y14++
y3
b3−H2O
y4
y9++−H2O

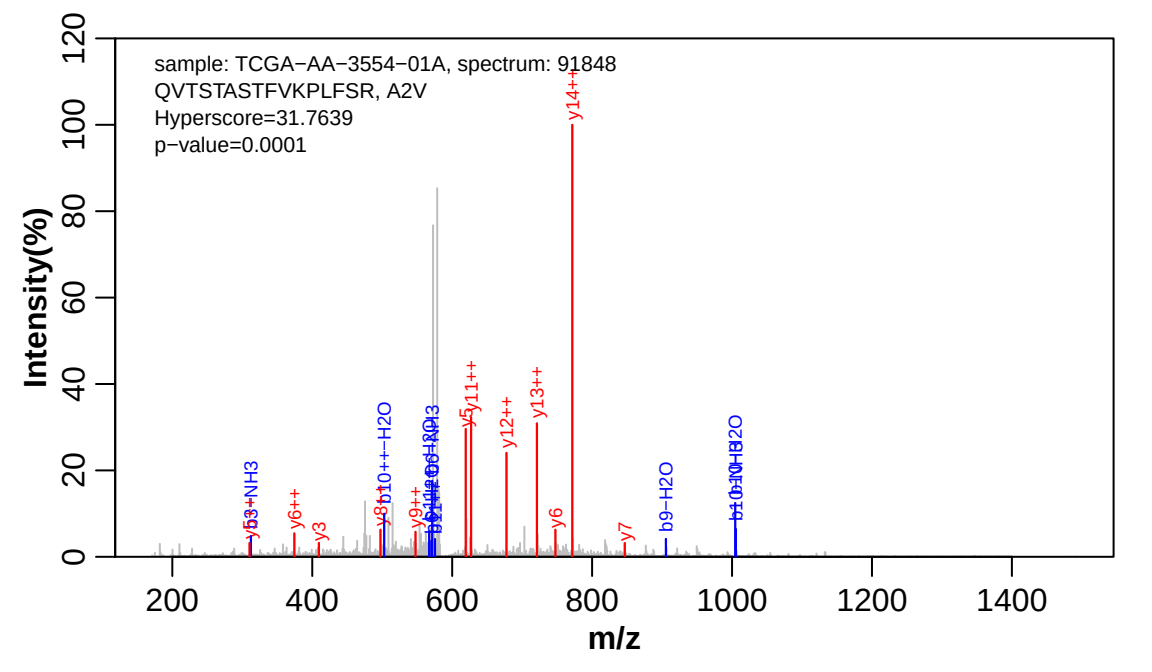

sample: TCGA−AA−3554−01A, spectrum: 69681
NTNSVPETAPAALPETR, K17R
Hyperscore=15.8690
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y8
y5
b4−H2O
b5
b9−NH3
b12
b13

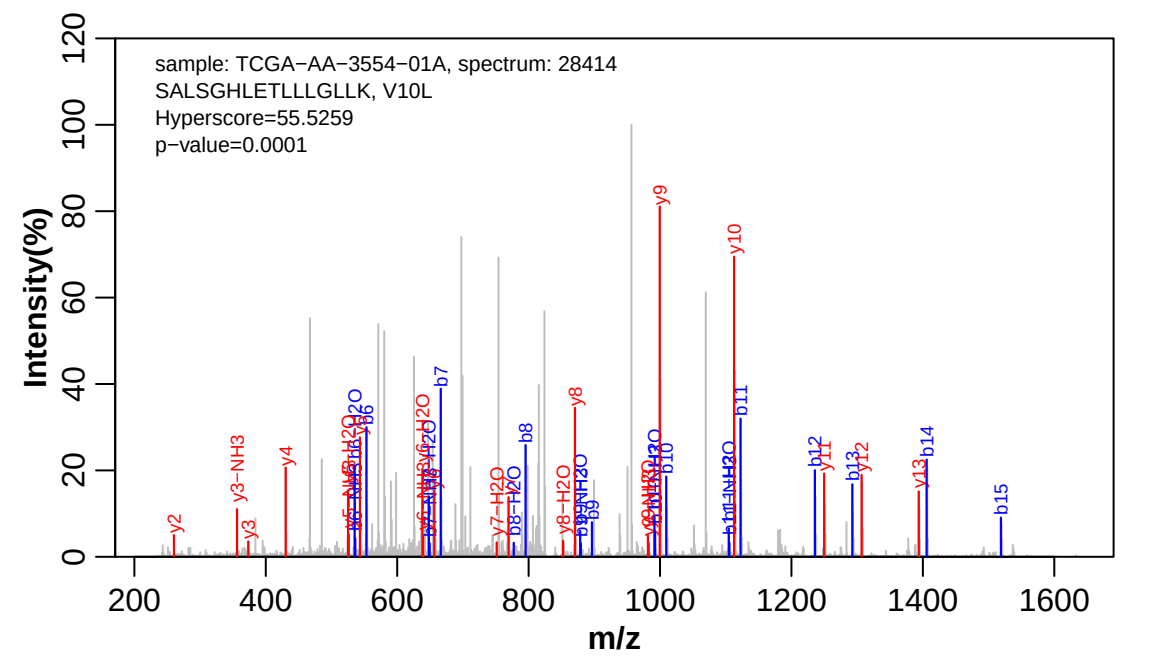

sample: TCGA−AA−3554−01A, spectrum: 27055
NYQQLVDTTVELANK, R3Q
Hyperscore=47.3638
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b3
y4
b4−NH3
b4
y5
b5−H2O
b5−NH3
b5
y6−NH3
y6
b6−H2O
b6−NH3
b6
y7−NH3
y7
b7−NH3
y8
y9
b8−H2O
b8
y9−NH3
y10−H2O
y10
y11−H2O
y11
b11−H2O
b11
y12−H2O
y12
b12−H2O
b12
y13−NH3
b13−NH3
b13
b14

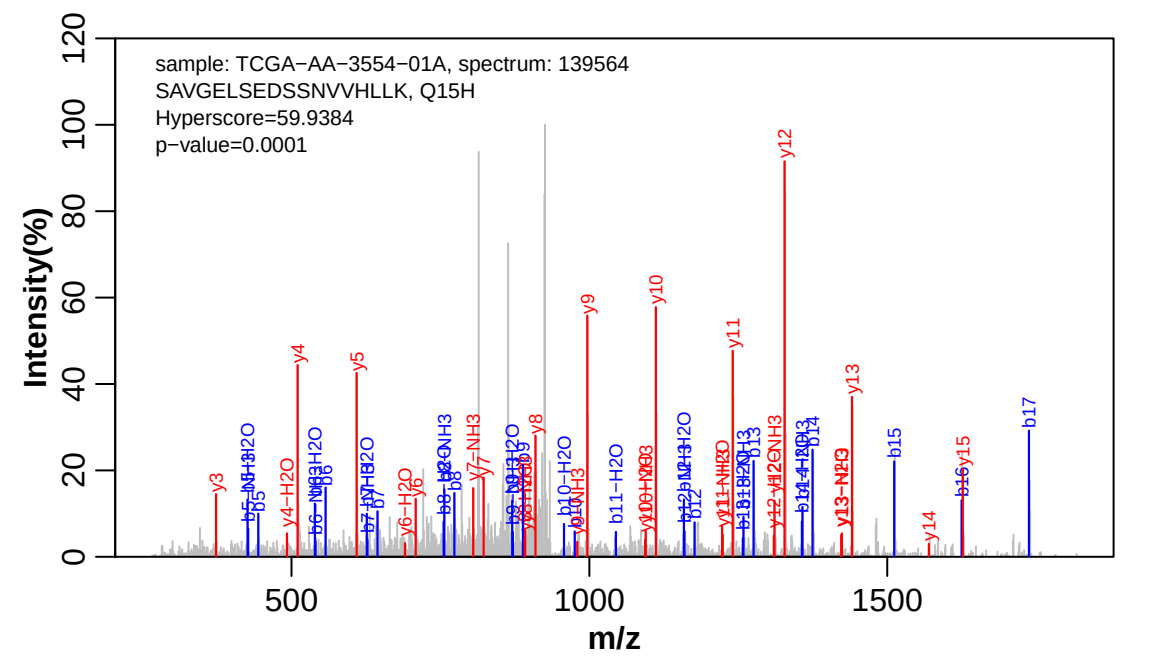

sample: TCGA−AA−3554−01A, spectrum: 90349
QDLQSDGFSLETCK, K4Q
Hyperscore=47.6447
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3−NH3
b3
y3
b4
y4
y4−H2O
b5
y5
b6−H2O
b6
y6
b7
y8
y8−H2O
b9−NH3
b9
y9
b10
y10
y10−H2O
b11
y11−NH3
y11
y12
b13

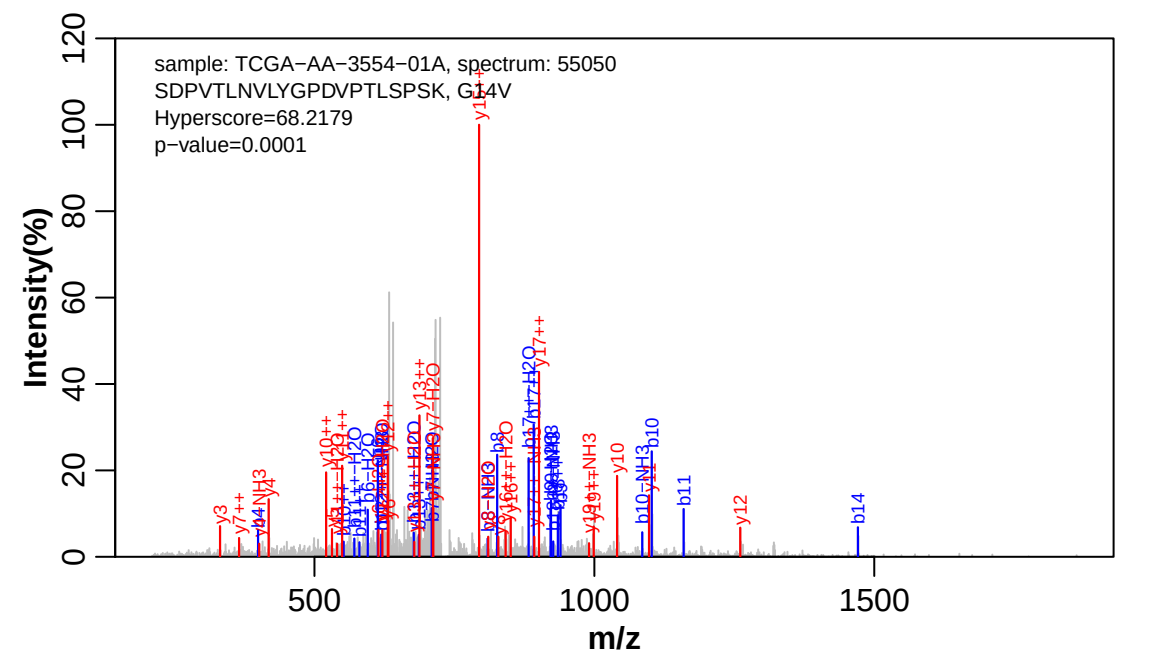

sample: TCGA−AA−3554−01A, spectrum: 63553
QGTLTEYCSTLMSLPTK, G9S
Hyperscore=47.5900
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
b5−NH3
y5
y6
y8
y9
b10−H2O
y10
y11
y12
y13
y14

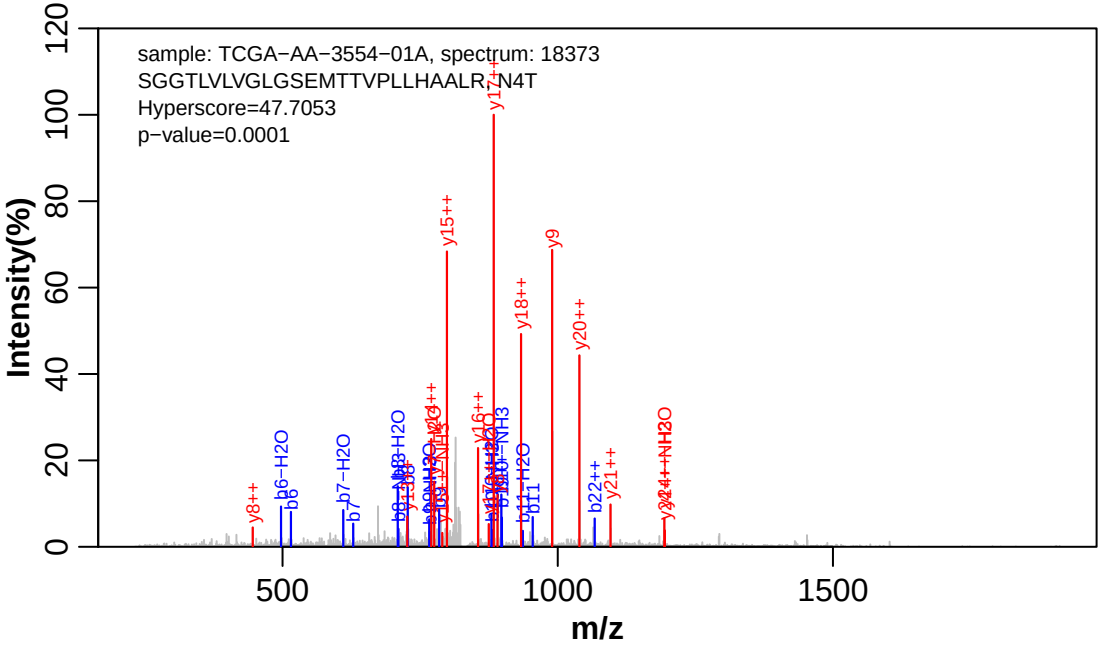

sample: TCGA−AA−3554−01A, spectrum: 102222
QPFCDGSHFFQCTGLSPLK, R12C
Hyperscore=40.0727
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b11++−H2O
b8++−H2O
y7++y3
b7++−H2O
y8++
y10
b10−NH3
b11−NH3
y17++
b18++−H2O

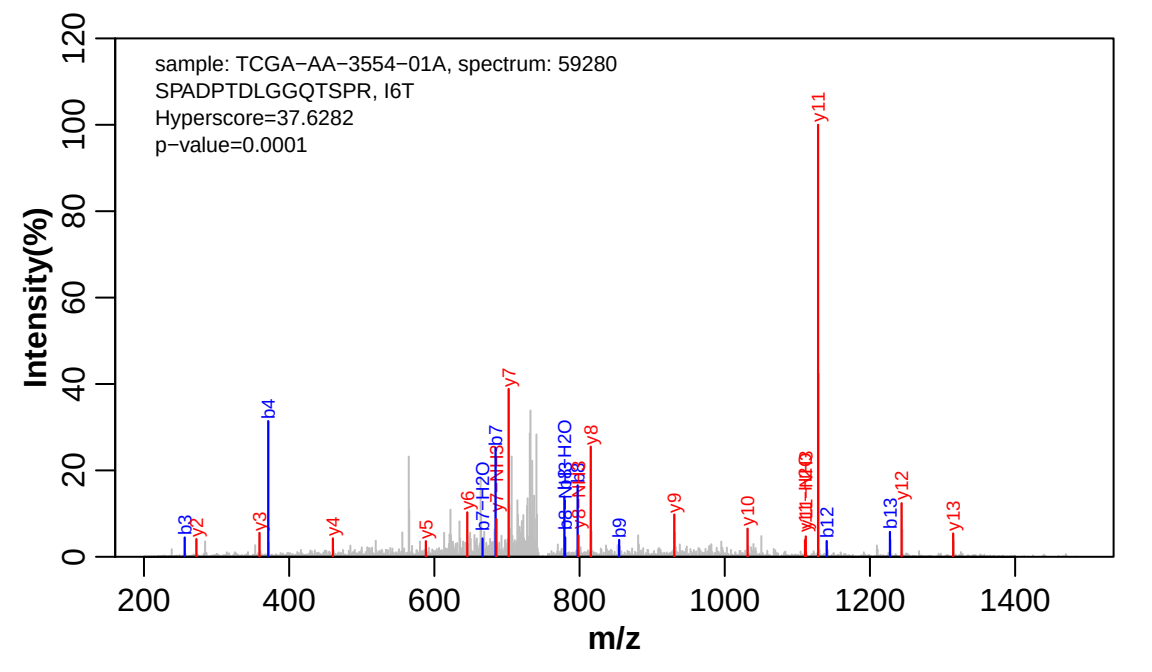

sample: TCGA−AA−3554−01A, spectrum: 91848
QVTSTASTFVKPLFSR, A2V
Hyperscore=31.7639
p−value=0.0001
Intensity(%)
m/z
y14++
y11++
y13++
y12++
y5
y6
y7
y6++
y3
y3−NH3
b9−H2O
b10++−H2O
y9++
y8
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

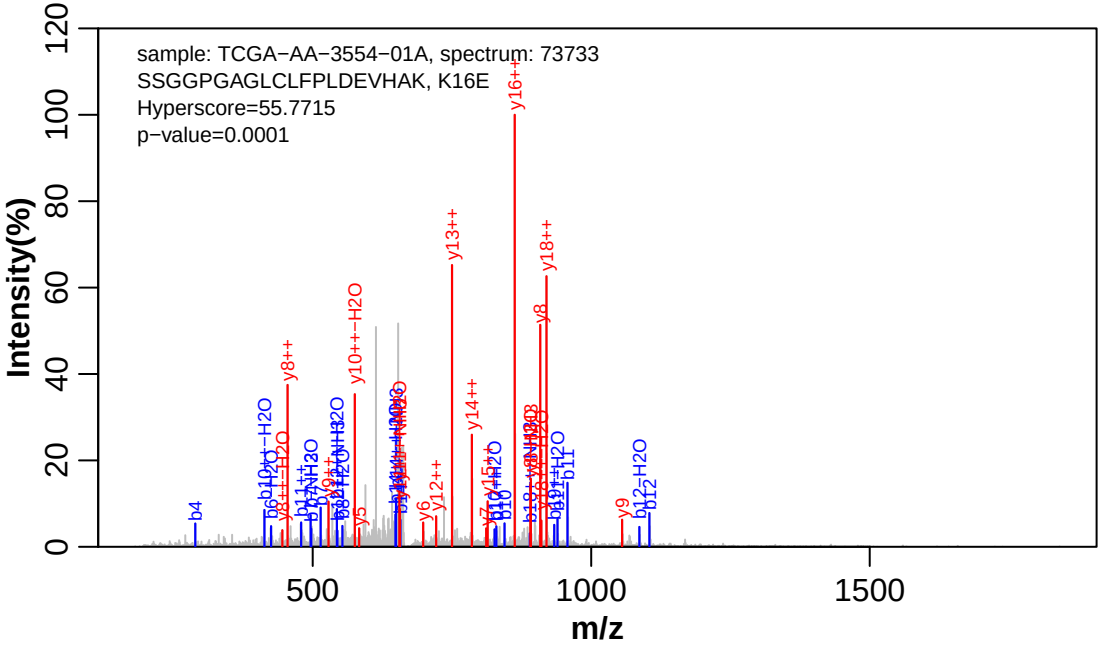

sample: TCGA−AA−3554−01A, spectrum: 28414
SALSGHLETLLLGLLK, V10L
Hyperscore=55.5259
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3−NH3
y3
y4
b6
b7
b8
y7−H2O
b8−H2O
y8
y8−H2O
b9
b10
y9
y10
b11
b12
y11
b13
y12
y13
b14
b15

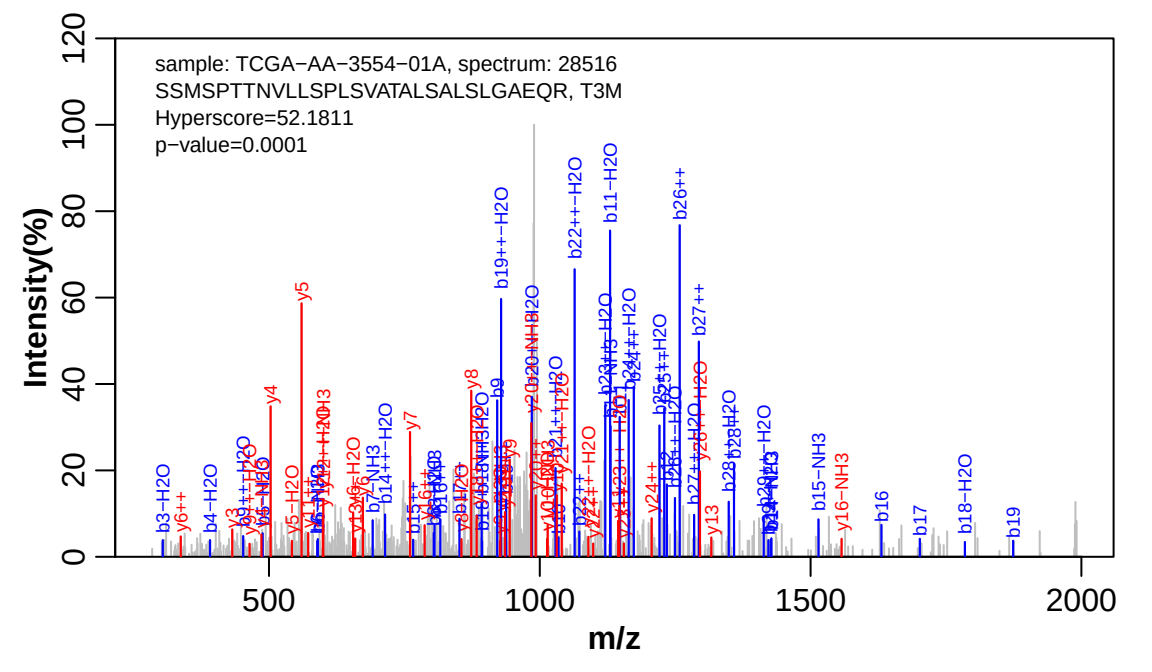

sample: TCGA−AA−3554−01A, spectrum: 139564
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=59.9384
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
y6
y7
y8
y9
y10
y11
y12
y13
y14
y15
b15
b16
b17

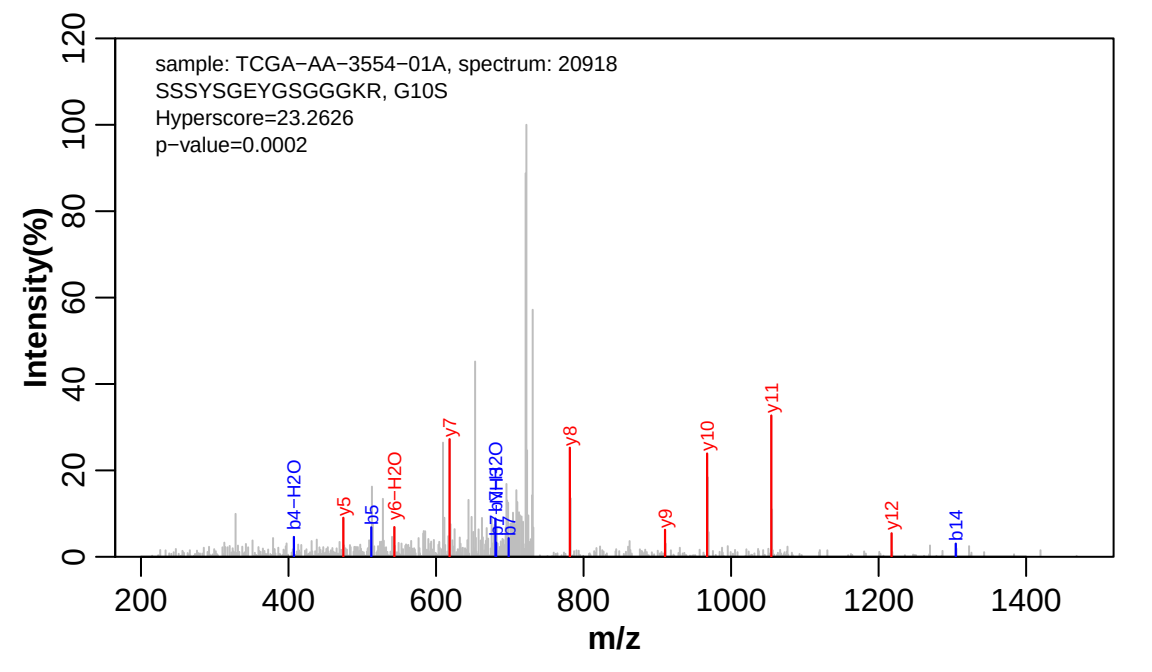

sample: TCGA−AA−3554−01A, spectrum: 55050
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=68.2179
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y15++
y3
y7++
y4
y4−NH3
y10++
y13++
y7−H2O
y17++
b8−NH3
b8
y16++−H2O
b17++−H2O
y10++−NH3
y10
b10
b10−NH3
b11
y12
b14

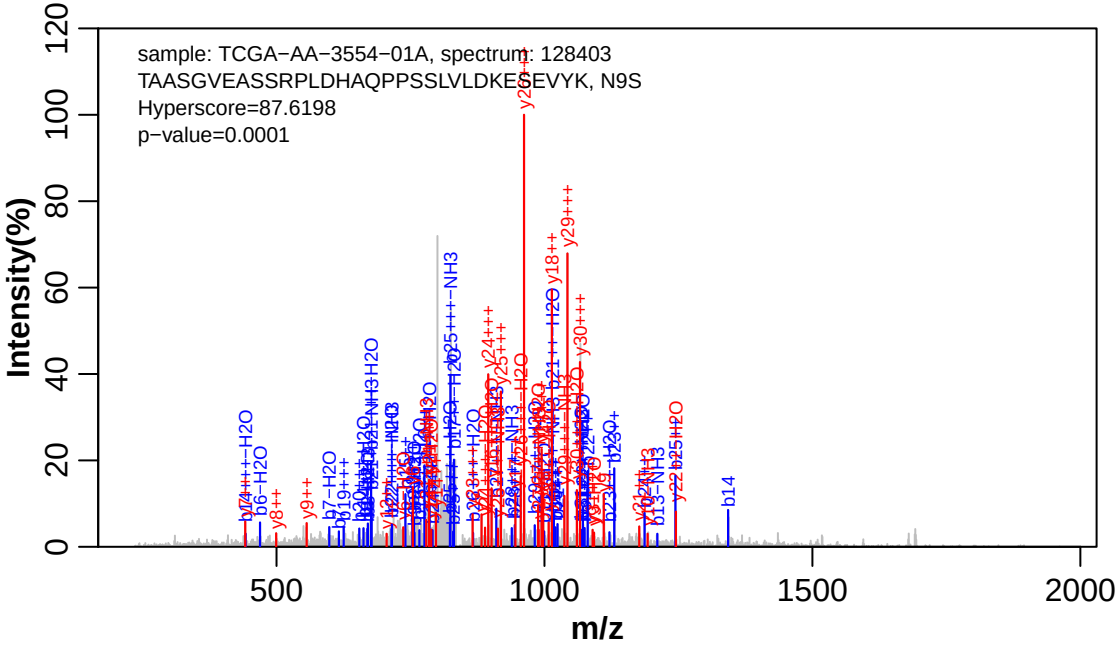

sample: TCGA−AA−3554−01A, spectrum: 18373
SGGTLVLVGLGSEMTTVPLLHAALRLN4T
Hyperscore=47.7053
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y17++
y15++
y9
y18++
y20++
y16++
y21++
b22++
b11−H2O
b8−H2O
b7−H2O
y8++

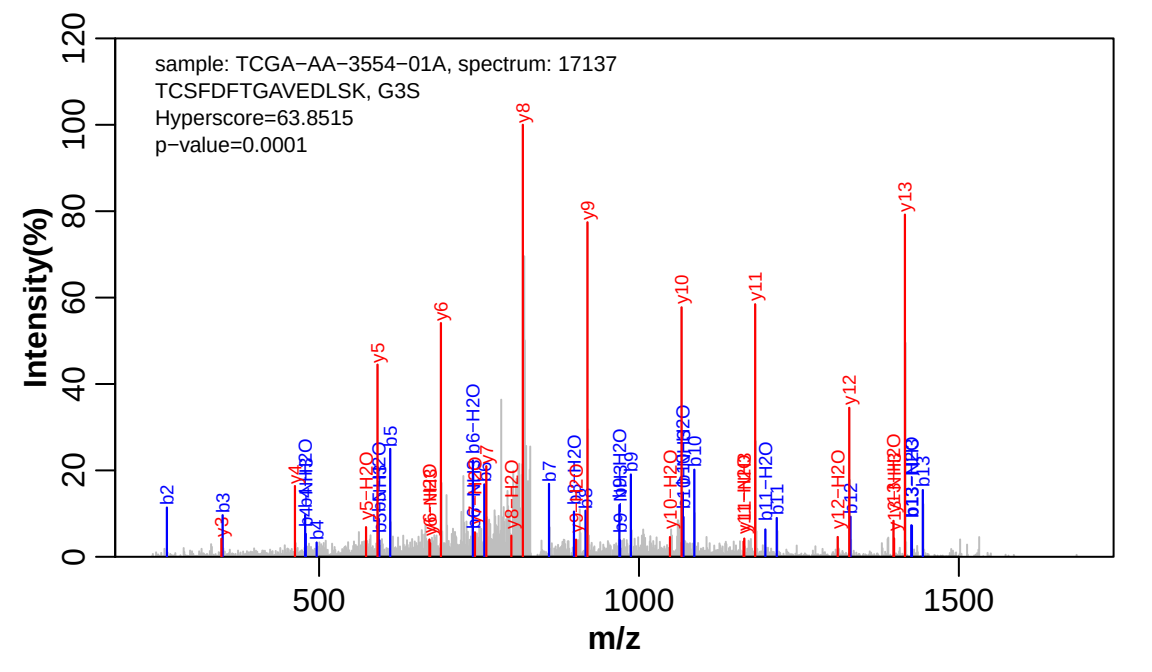

sample: TCGA−AA−3554−01A, spectrum: 59280
SPADPTDLGGQTSPR, I6T
Hyperscore=37.6282
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
y5
y6
b7−H2O
y7−NH3
b7
y7
b8−NH3
b8−H2O
y8−NH3
y8
b9
y9
y10
y11−NH3
y11−H2O
y11
b12
b13
y12
y13

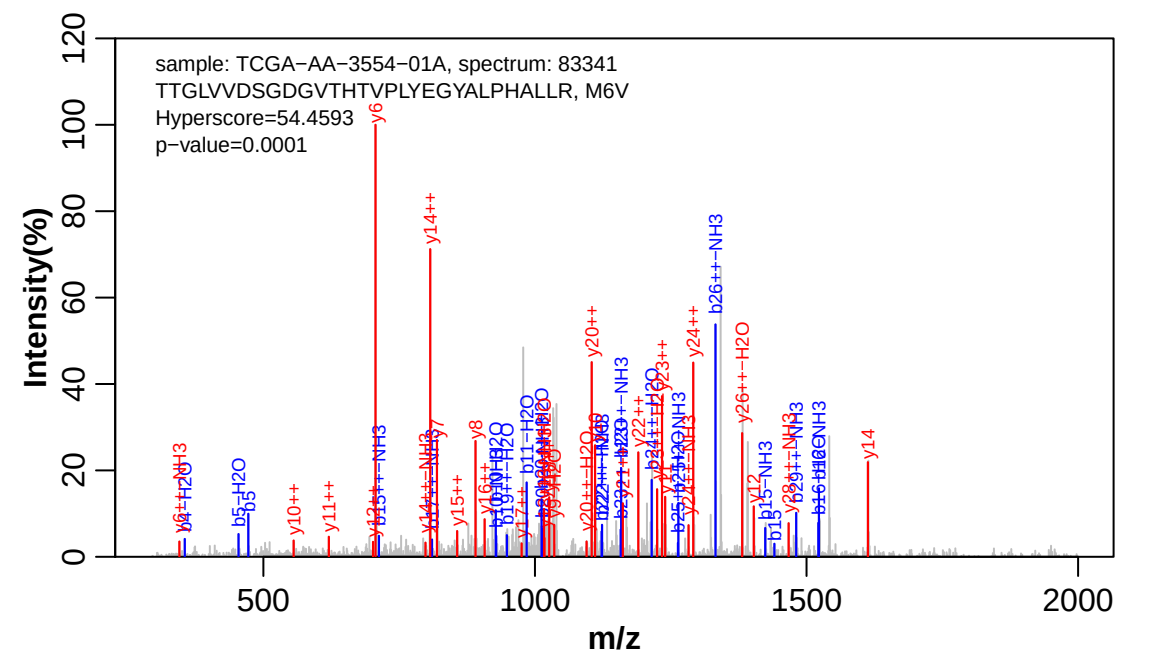

sample: TCGA−AA−3554−01A, spectrum: 73733
SSGGPGAGLCLFPLDEVHAK, K16E
Hyperscore=55.7715
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16++
y13++
y18++
y8
y8++
y10++−H2O
y14++
y12++
y6
y5
b4
y9
b12−H2O
b12

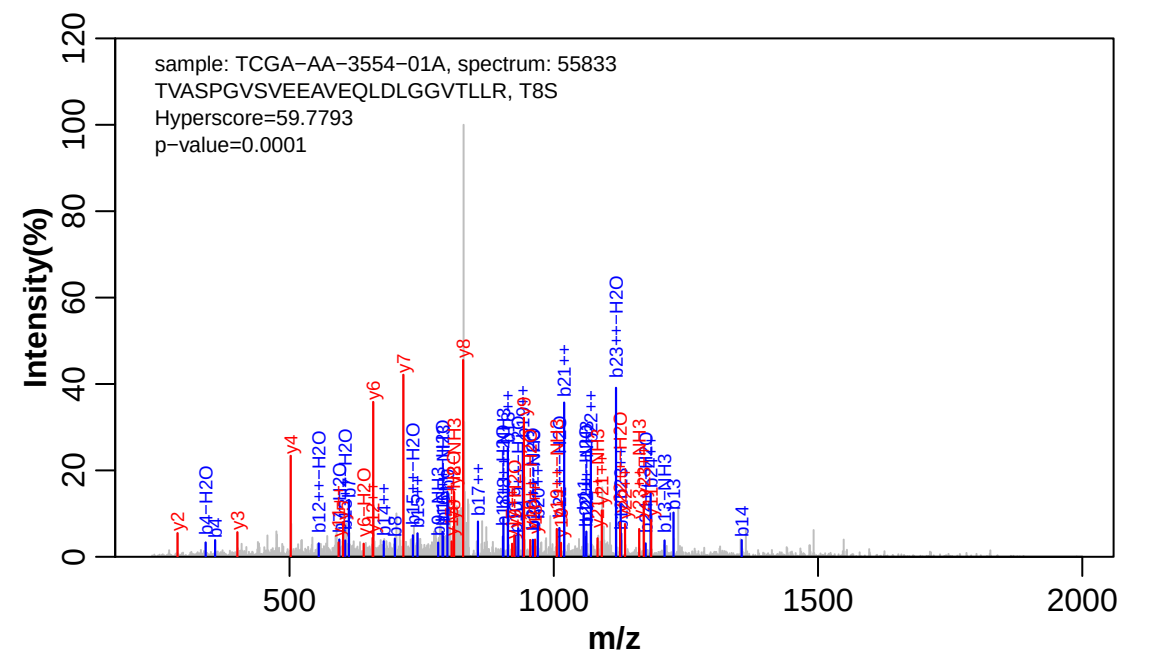

sample: TCGA−AA−3554−01A, spectrum: 28516
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=52.1811
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
y6++
b4−H2O
y5
y4
y5−H2O
b7−NH3
b14++−H2O
y7
b19++−H2O
y8
b9
b22++−H2O
b11−H2O
b26++
b27++
y16−NH3
b16
b17
b18−H2O
b19

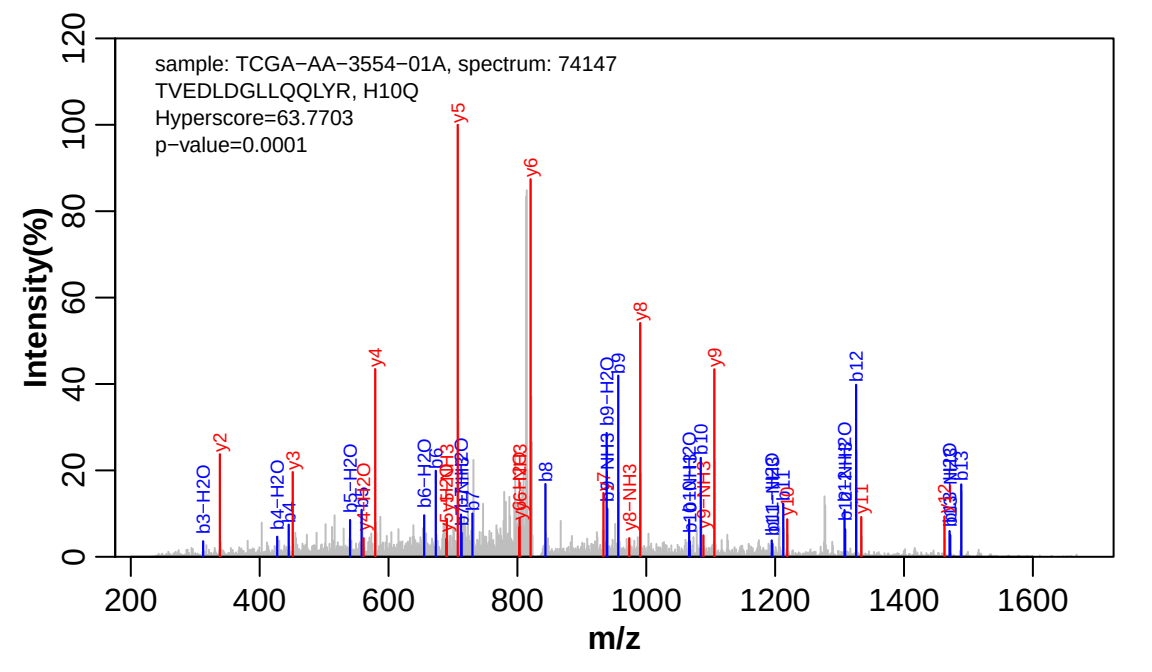

sample: TCGA−AA−3554−01A, spectrum: 20918
SSSYSGEYGSGGGKR, G10S
Hyperscore=23.2626
p−value=0.0002
Intensity(%)
m/z
b4−H2O
y5
b5
y6−H2O
y7
b7−NH3
b7−H2O
b7
y8
y9
y10
y11
y12
b14

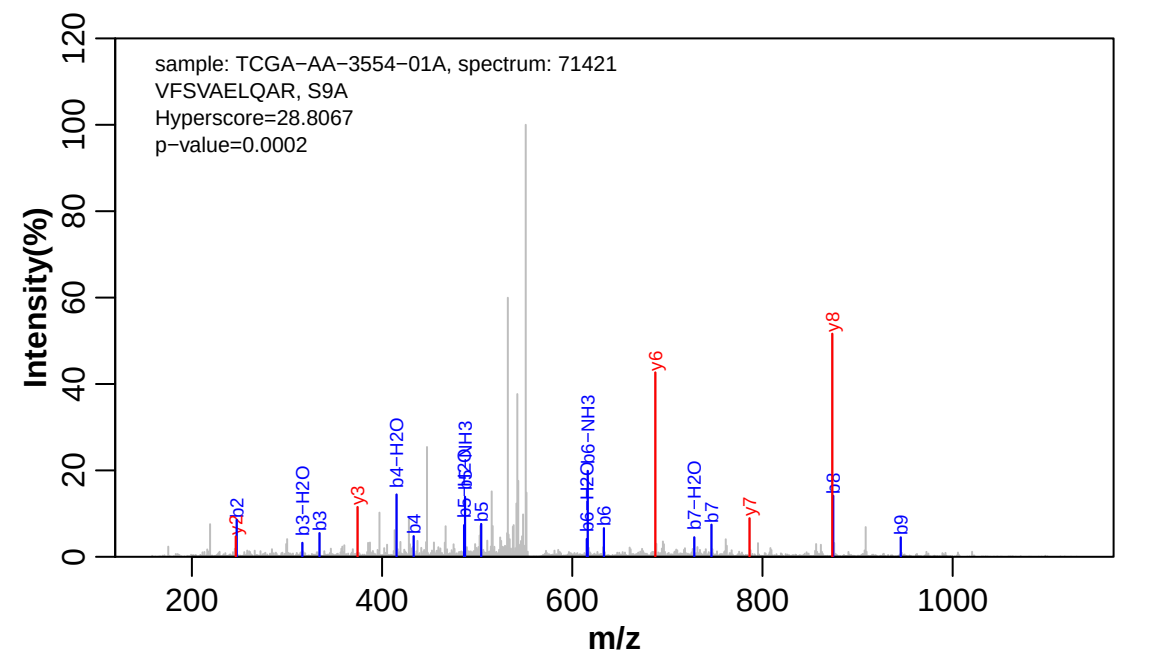

sample: TCGA−AA−3554−01A, spectrum: 128403
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=87.6198
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y28++
y29+++
y18++
y30+++
b14
y8++
y9++
b6−H2O
y22−H2O
b13−NH3

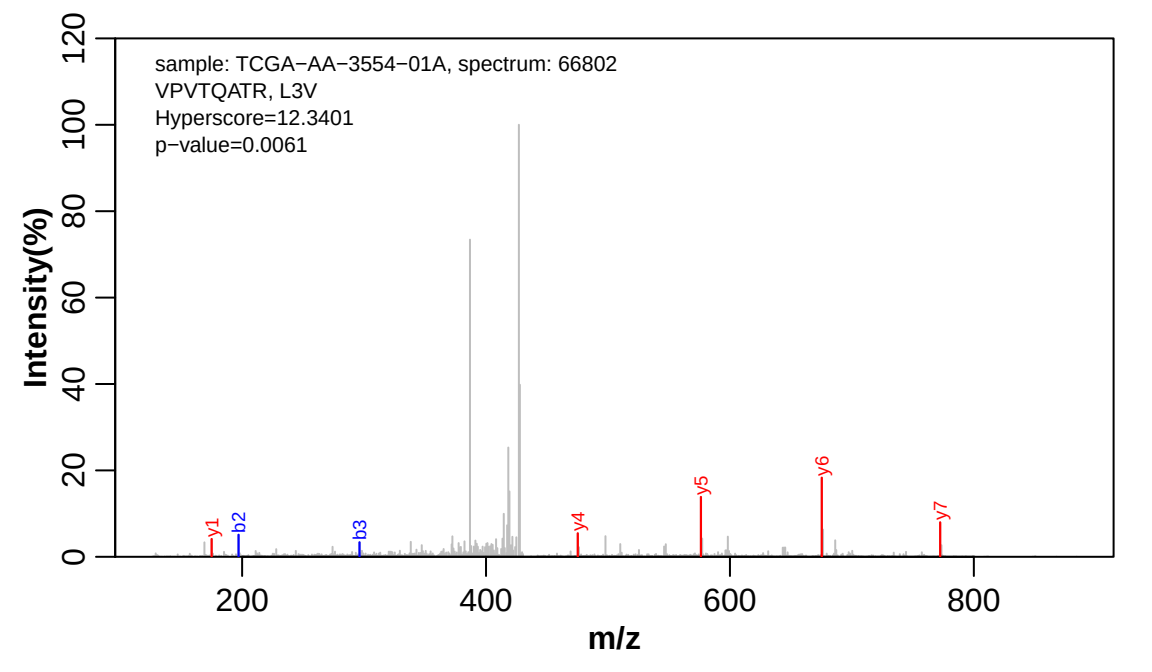

sample: TCGA−AA−3554−01A, spectrum: 17137
TCSFDFTGAVEDLSK, G3S
Hyperscore=63.8515
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
b3
y3
y4
b4
y5
y5−H2O
b5
y6
y6−NH3
b6−H2O
y7
b6−NH3
y8
y8−H2O
b7
y9
y9−H2O
b8
b9
b9−NH3
b9−H2O
y10
y10−H2O
b10
b10−H2O
y11
y11−NH3
y11−H2O
b11
b11−H2O
y12
y12−H2O
b12
y13
y13−NH3
y13−H2O
b13
b13−NH3
b13−H2O

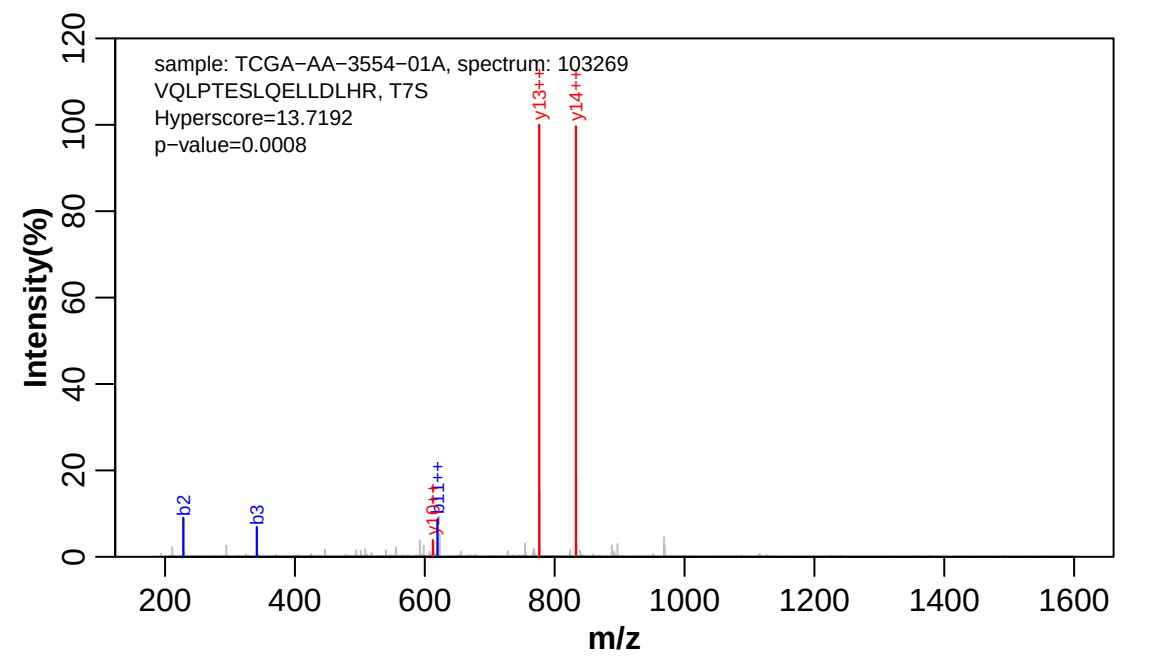

sample: TCGA−AA−3554−01A, spectrum: 83341
TTGLVVDSGDGVTHTVPLYEGYALPHALLR, M6V
Hyperscore=54.4593
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6
y14++
y7
y8
y15++
y16++
y17++
y10++
y11++
y12++−NH3
y20++
y22++
y23++
y24++
y26++−H2O
y12
y14
b26++−NH3
b5−H2O
b5
b15−NH3
b13
b29++−NH3
b16++−NH3
b11−H2O

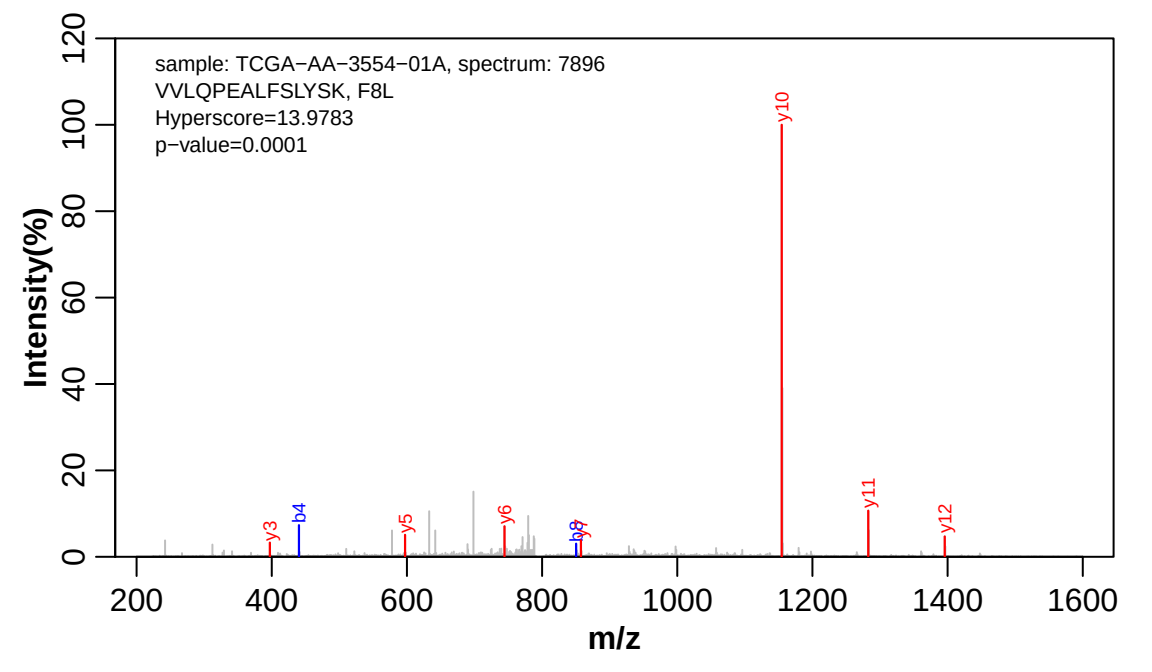

sample: TCGA−AA−3554−01A, spectrum: 55833
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=59.7793
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b4−H2O
b4
y3
y4
b12++−H2O
y6
y7
y8
b14++
b15++−H2O
b17++
b21++
b23++−H2O
b13
b14

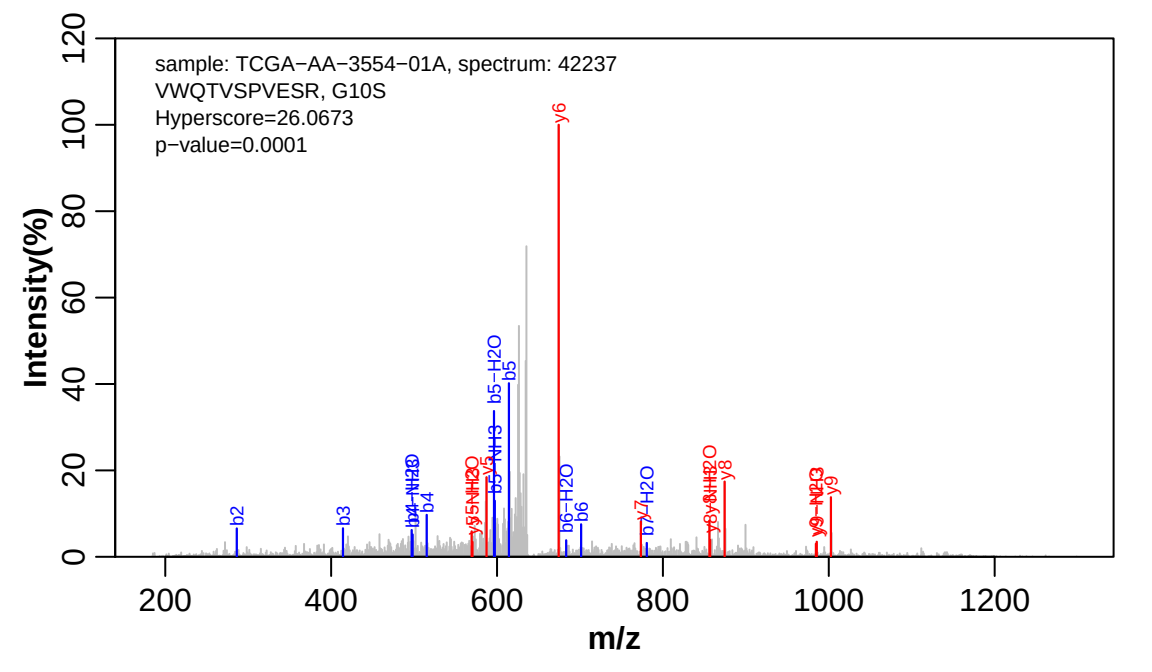

sample: TCGA−AA−3554−01A, spectrum: 74147
TVEDLDGLLQQLYR, H10Q
Hyperscore=63.7703
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y8
y4
y9
y2
y3
b12
b8
b3−H2O
b4−H2O
b5−H2O
b6−H2O
b9−H2O
b9−NH3
y8−NH3
y9−NH3
y11

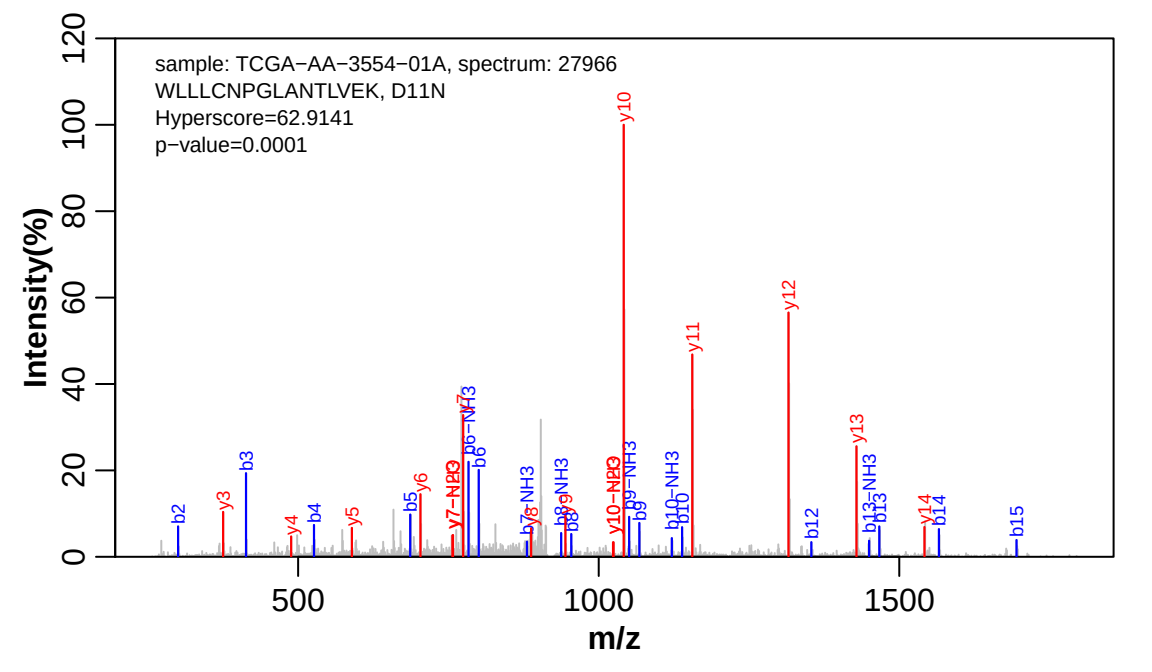

sample: TCGA−AA−3554−01A, spectrum: 71421
VFSVAELQAR, S9A
Hyperscore=28.8067
p−value=0.0002
Intensity(%)
m/z
y2
b2
b3−H2O
b3
y3
b4−H2O
b4
b5−NH3
b5
b6−H2O
b6−NH3
b6
y6
b7−H2O
b7
y7
y8
b8
b9

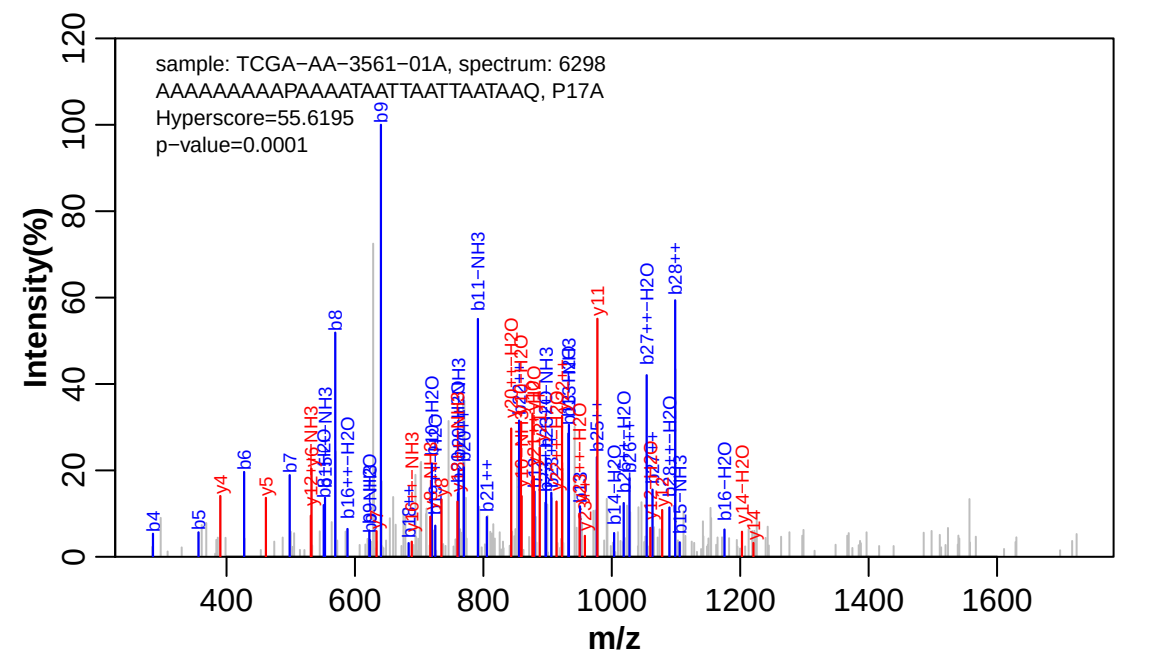

sample: TCGA−AA−3554−01A, spectrum: 66802
VPVTQATR, L3V
Hyperscore=12.3401
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y4
y5
y6
y7

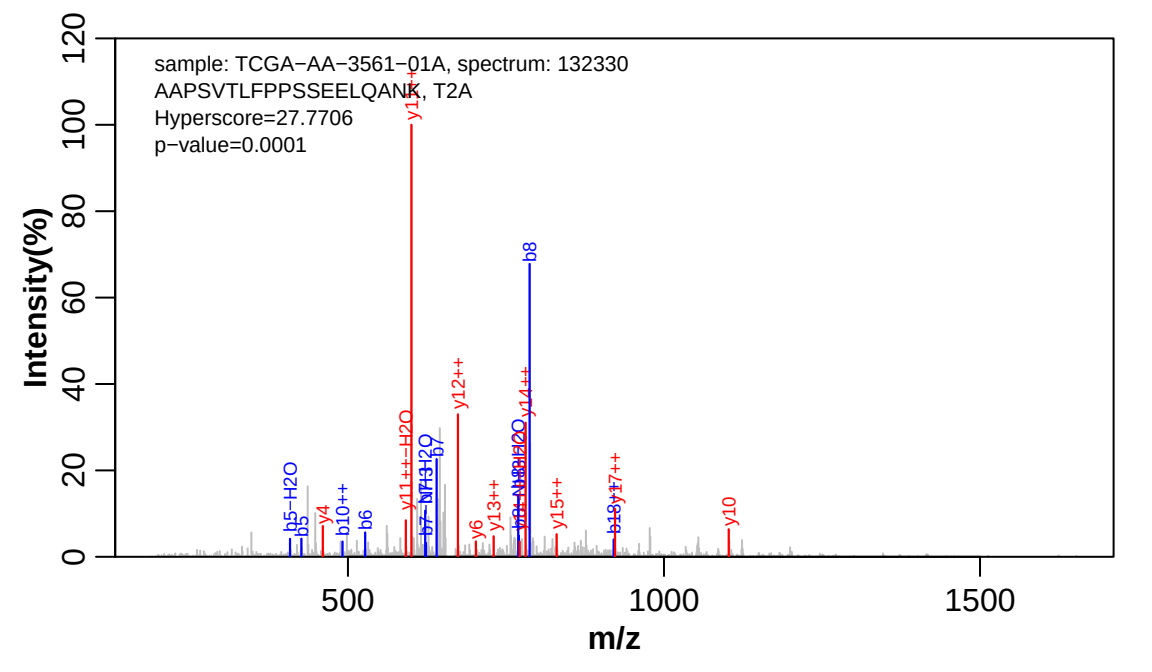

sample: TCGA−AA−3554−01A, spectrum: 103269
VQLPTESLQELLDLHR, T7S
Hyperscore=13.7192
p−value=0.0008
y13++
y14++
b2
b3
y10++
y11++
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

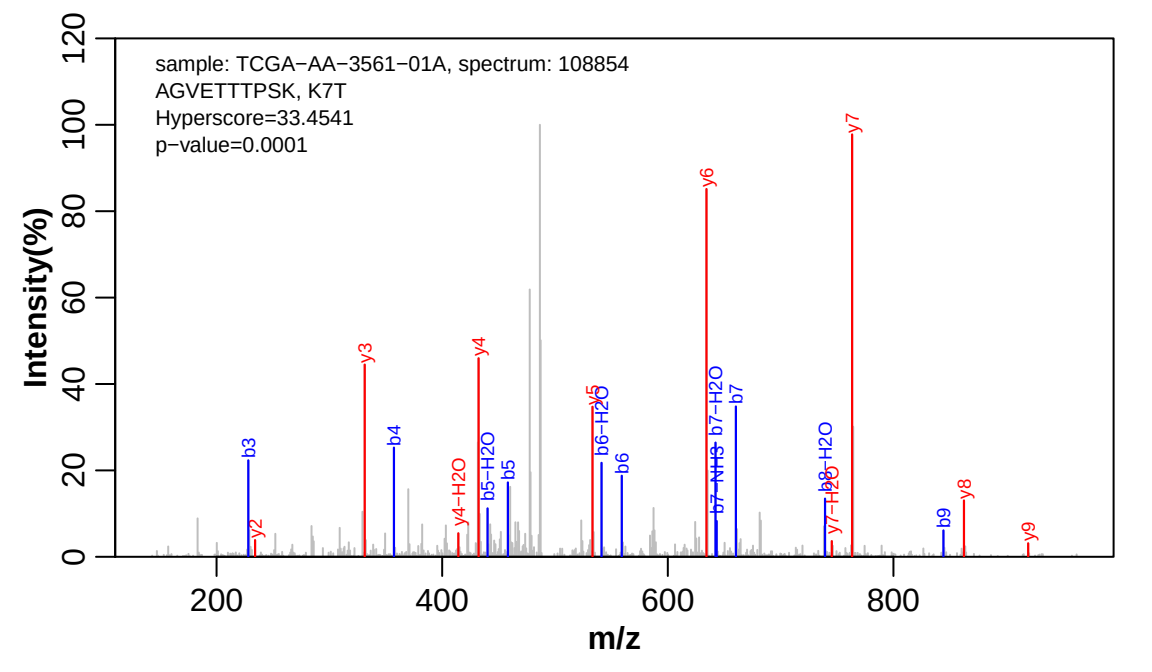

sample: TCGA−AA−3554−01A, spectrum: 7896
VVLQPEALFSLYSK, F8L
Hyperscore=13.9783
p−value=0.0001
Intensity(%)
m/z
y10
y11
y12
y6
y5
y3
b4
b9
y9
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

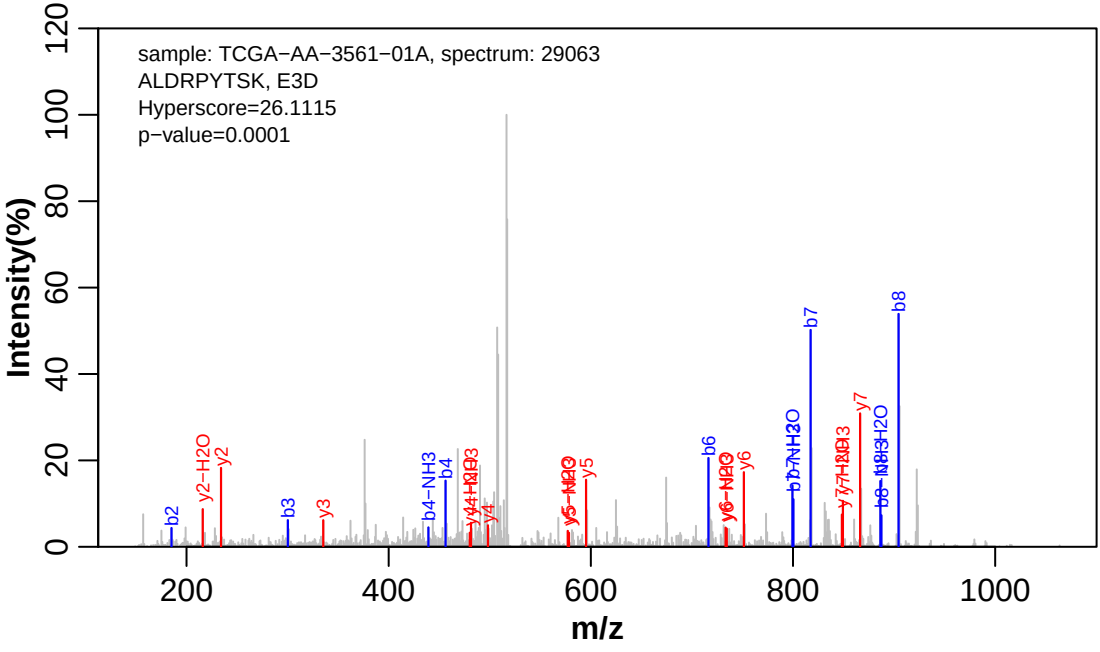

sample: TCGA−AA−3554−01A, spectrum: 42237
VWQTVSPVESR, G10S
Hyperscore=26.0673
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
b2
b3
b4
b5
b5−H2O
b5−NH3
b6
b6−H2O
b7
b7−H2O
y8
y9

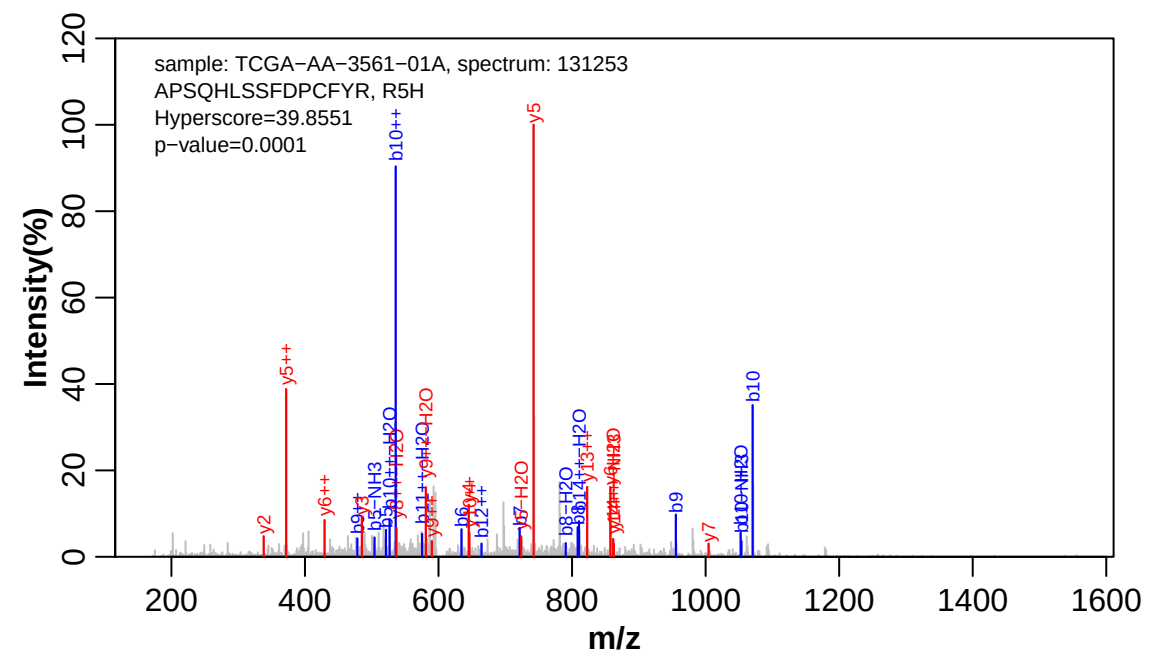

sample: TCGA−AA−3554−01A, spectrum: 27966
WLLLCNPGLANTLVEK, D11N
Hyperscore=62.9141
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y10
y12
y11
y13
y14
b15
b12
b13
b14
b10
b10-NH3
b9
b9-NH3
b8
b8-NH3
b7
b7-NH3
b6
b6-NH3
y7-NH3
y6
b5
y5
b4
y4
b3
y3
b2

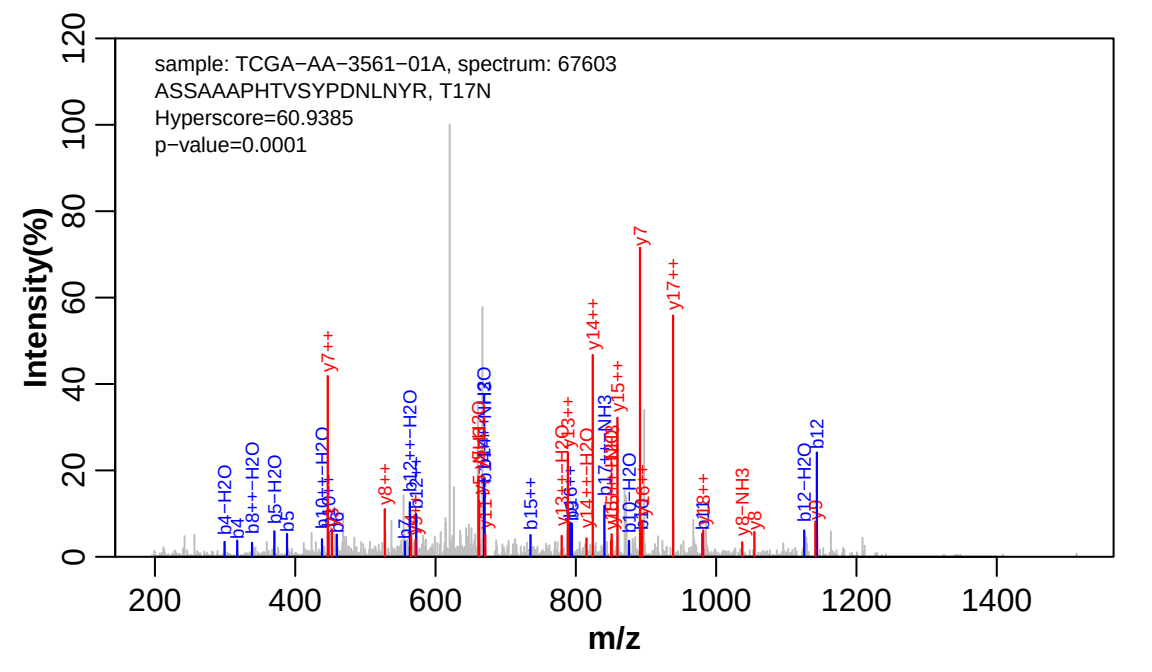

sample: TCGA−AA−3561−01A, spectrum: 6298
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=55.6195
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600
b4
b5
y4
b6
y5
b7
b8
b9
b11−NH3
y11
b21++
b25++
b28++
b16−H2O
y14−H2O
y14
b15−NH3

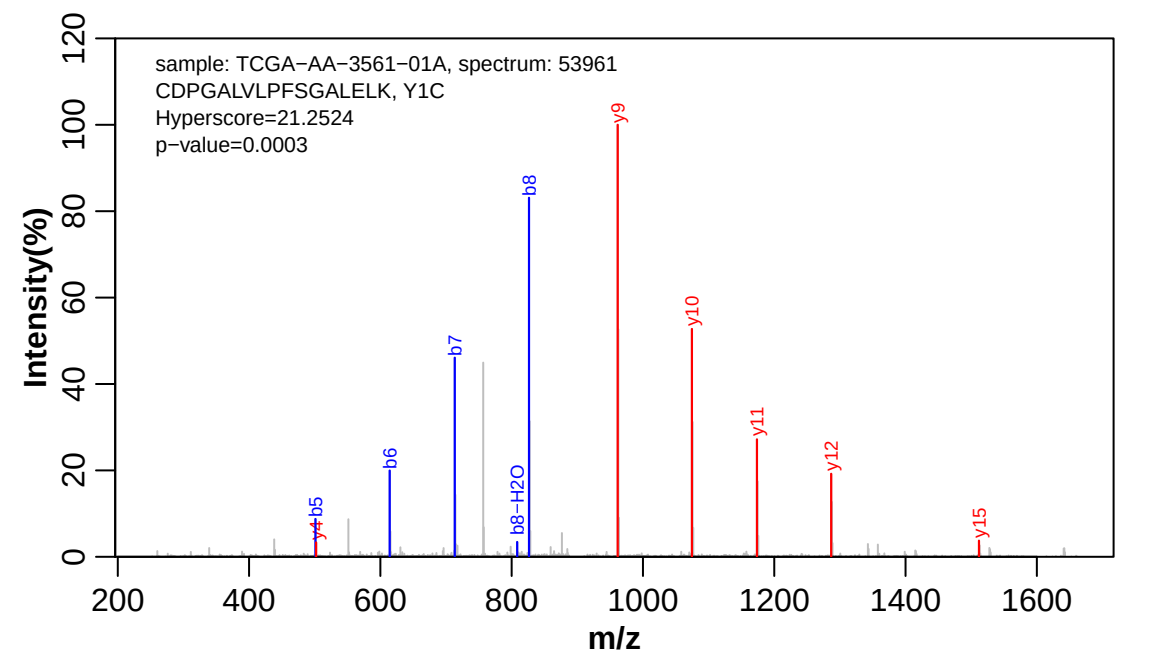

sample: TCGA−AA−3561−01A, spectrum: 132330
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=27.7706
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
b8
y12++
y11++−H2O
y14++
b7
b7−NH3
b7−H2O
b5−H2O
b5
y4
b10++
b6
y6
y13++
y15++
b18y17++
y10

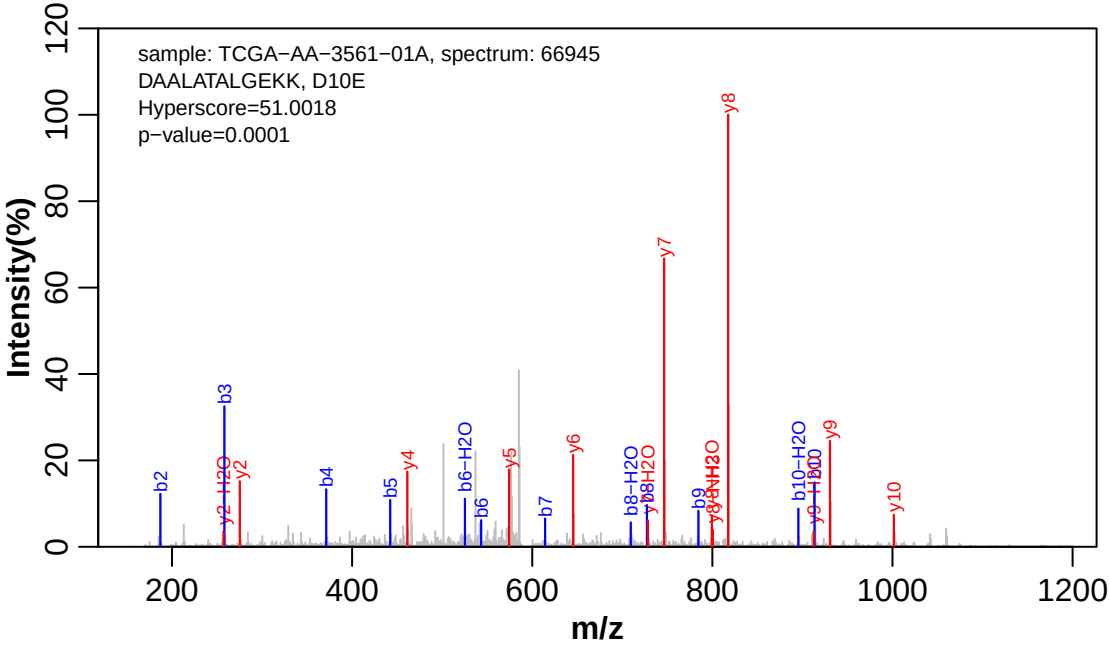

sample: TCGA−AA−3561−01A, spectrum: 108854
AGVETTTPSK, K7T
Hyperscore=33.4541
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y2
y3
b4
y4
y4−H2O
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
y7−H2O
b8−H2O
b8
y8
b9
y9

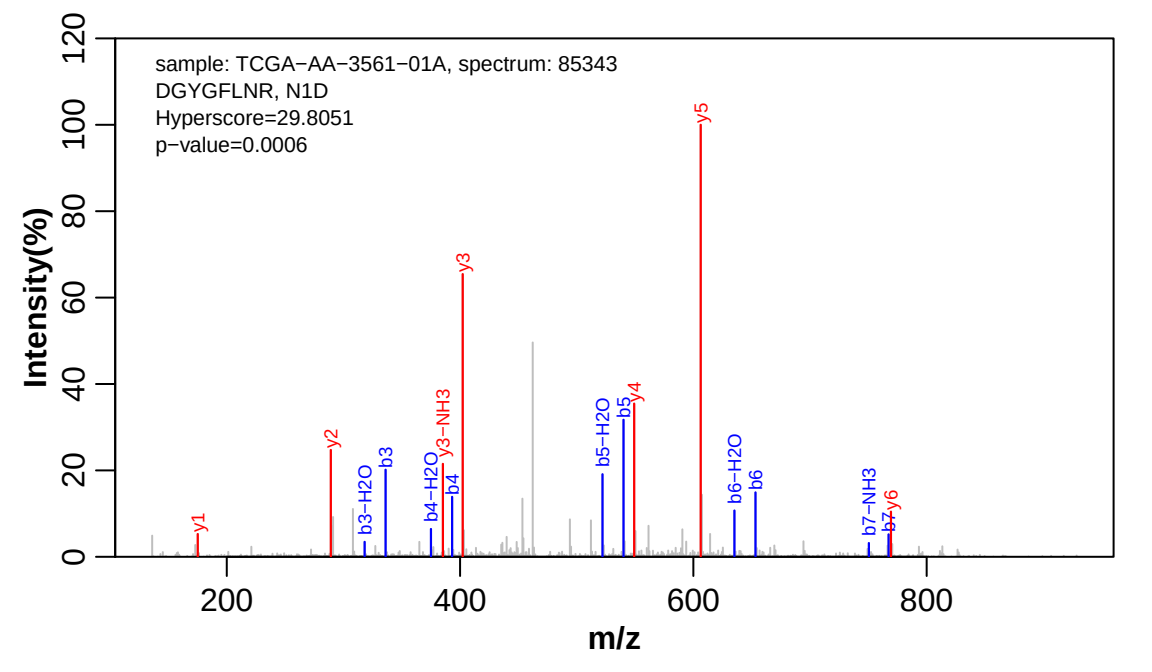

sample: TCGA−AA−3561−01A, spectrum: 29063
ALDRPYTSK, E3D
Hyperscore=26.1115
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2−H2O
y2
b3
y3
b4−NH3
b4
y4
b6
y6
y5
b7
b8
y7

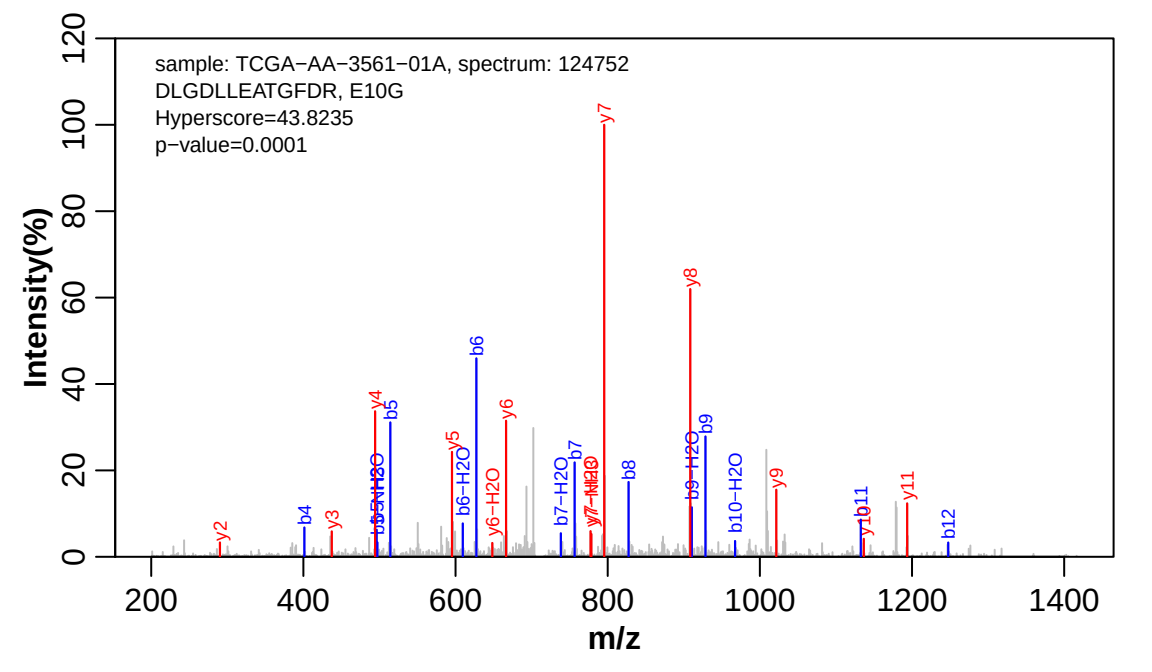

sample: TCGA−AA−3561−01A, spectrum: 131253
APSQHLSSFDPCFYR, R5H
Hyperscore=39.8551
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
b10++
y5++
y6++
y2
b10
b9
y7
b12++
b7−H2O
b8−H2O
y13++
b10−NH3
b5−NH3

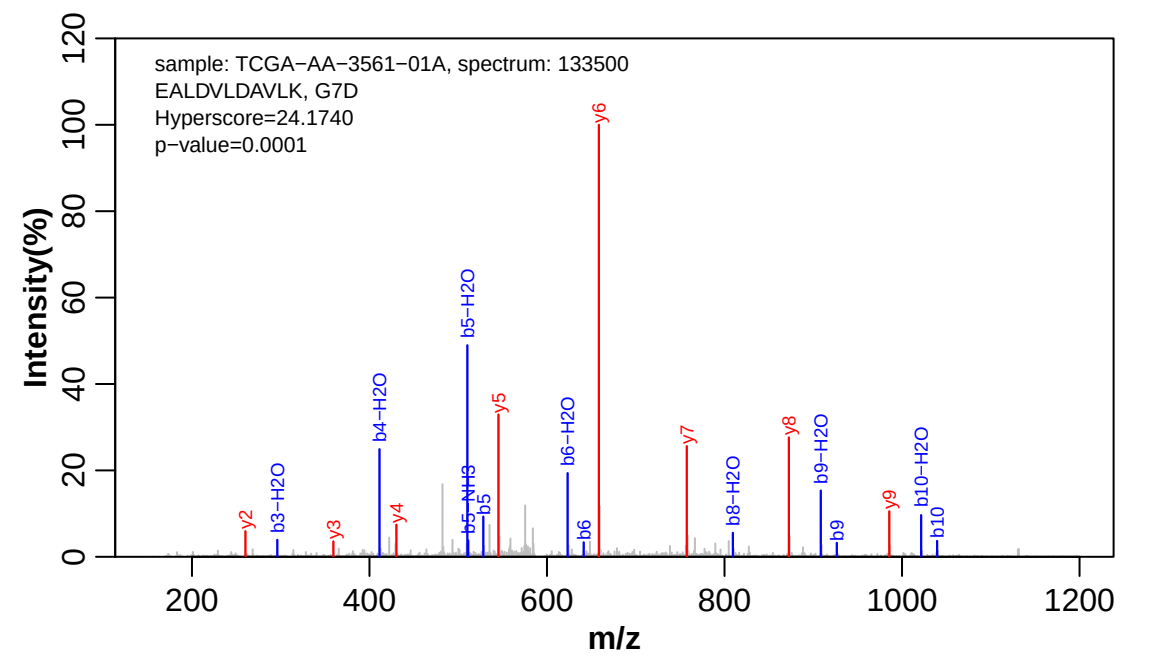

sample: TCGA−AA−3561−01A, spectrum: 67603
ASSAAAPHTVSYPDNLNYR, T17N
Hyperscore=60.9385
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4−H2O
b4
b8++−H2O
b5−H2O
b5
y7++
b10++−H2O
b8
y8++
b7
y12++−H2O
b12++−H2O
b15++
y13++−H2O
y13++
y14++−H2O
y14++
y15++
b10−H2O
y7
y17++
y18++
y8−NH3
y8
b12−H2O
b12
y9

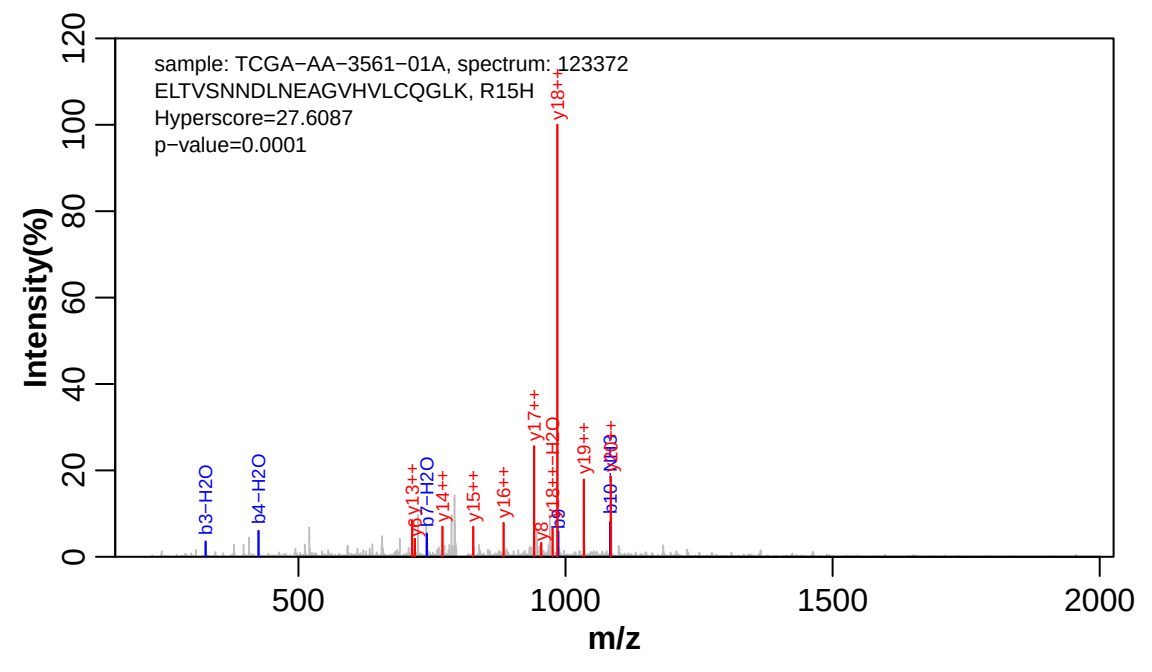

sample: TCGA−AA−3561−01A, spectrum: 53961
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.2524
p−value=0.0003
Intensity(%)
m/z
y9
b8
y10
b7
y11
b6
y12
y4
b5
b8−H2O
y15

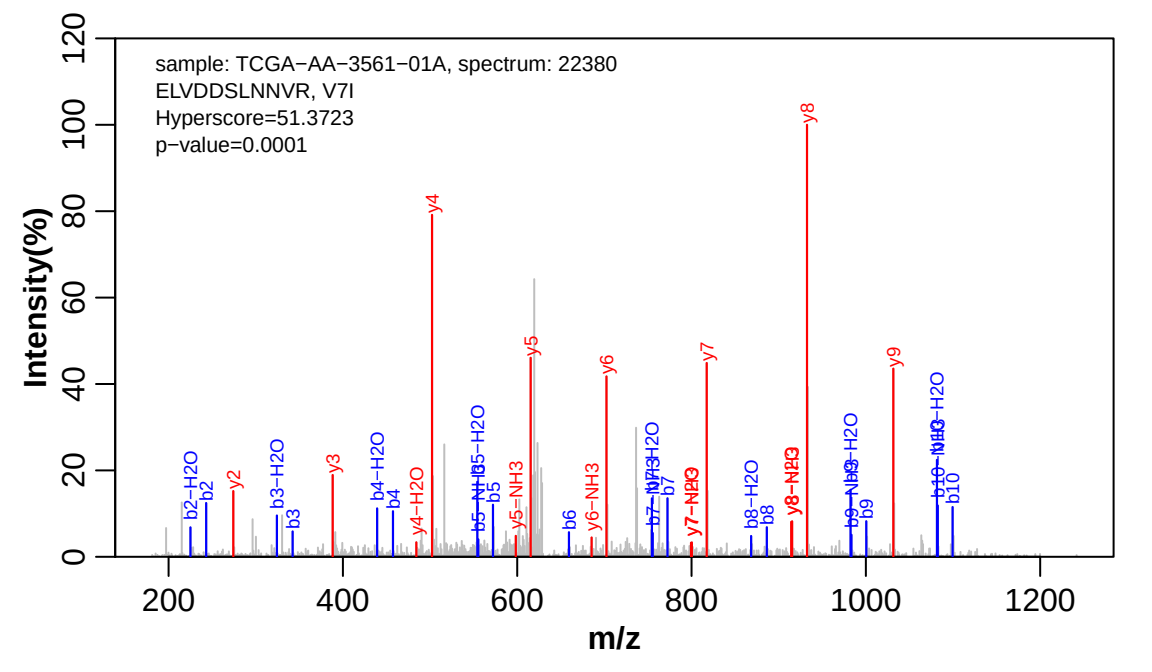

sample: TCGA−AA−3561−01A, spectrum: 66945
DAALATALGEKK, D10E
Hyperscore=51.0018
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y2−H2O
y2
b4
b5
y4
b6−H2O
b6
y5
b7
y6
b8−H2O
y8−H2O
y7
y8
b9
b10−H2O
y9
y10

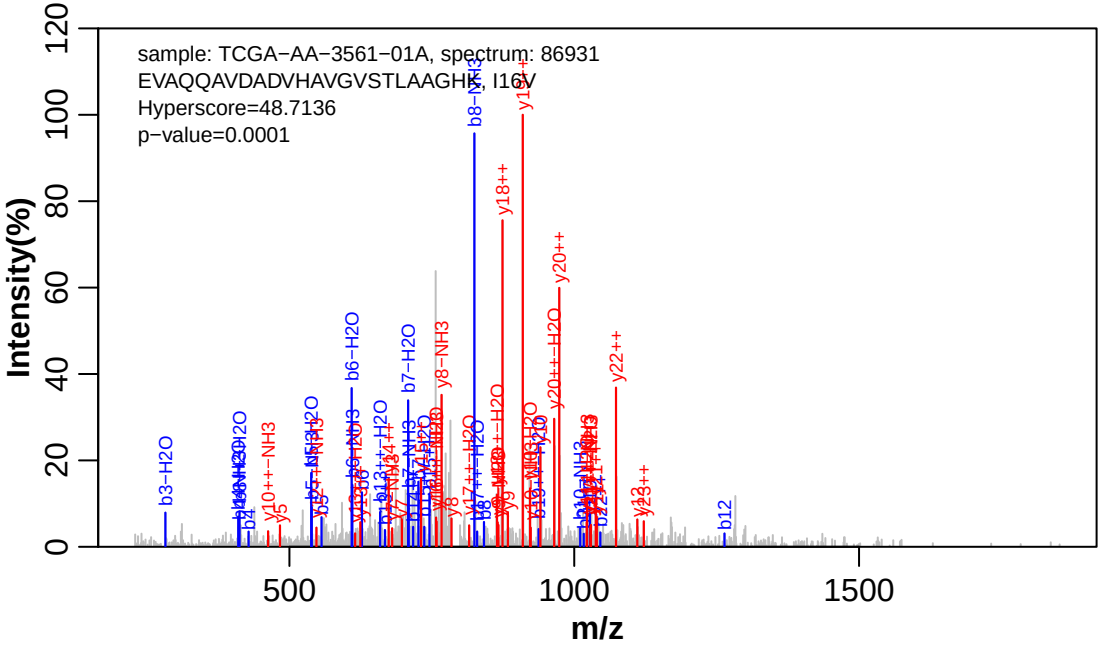

sample: TCGA−AA−3561−01A, spectrum: 85343
DGYGFLNR, N1D
Hyperscore=29.8051
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7−NH3
b7
y6

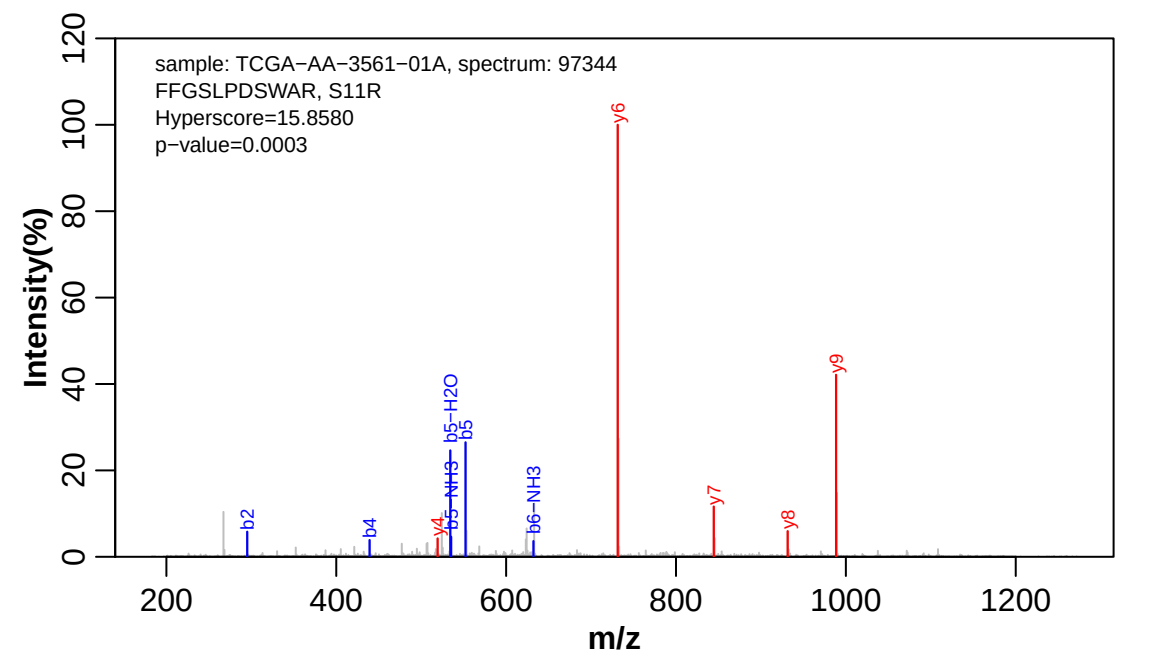

sample: TCGA−AA−3561−01A, spectrum: 124752
DLGDLLEATGFDR, E10G
Hyperscore=43.8235
p−value=0.0001
Intensity(%)
m/z
y7
y8
b6
y4
b5
y5
y6
b9
b8
y9
y11
b12
y2
b4
y3
b5−NH3
b5−H2O
b6−H2O
y6−H2O
b7−H2O
b9−H2O
b10−H2O
y10
b11

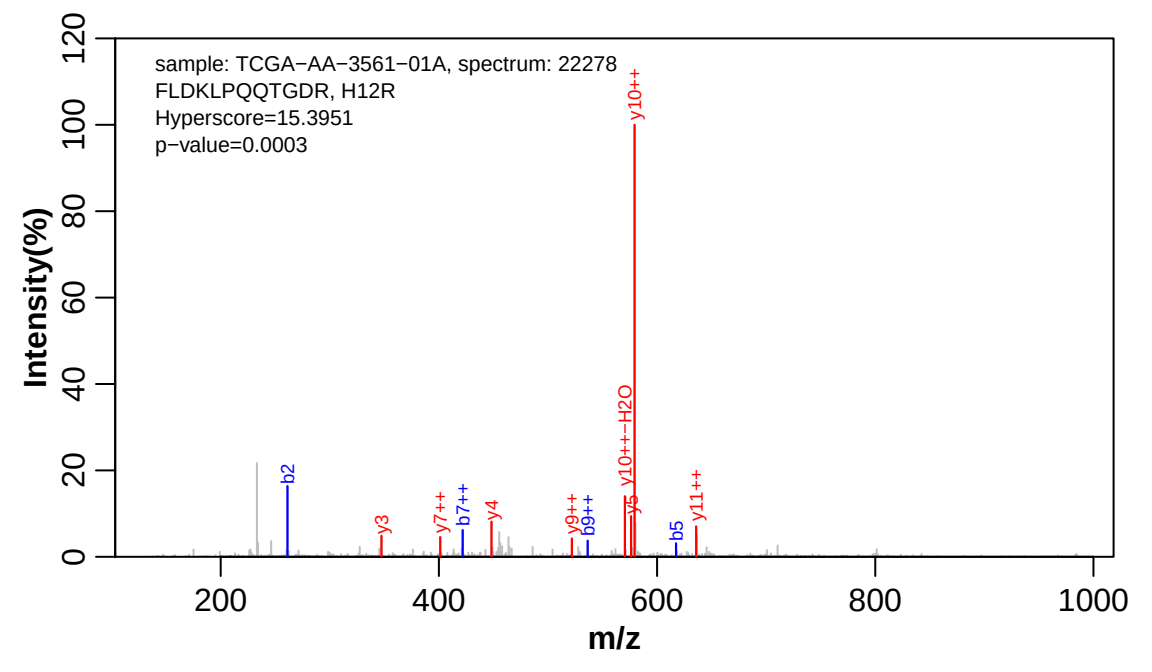

sample: TCGA−AA−3561−01A, spectrum: 133500
EALDVLDAVLK, G7D
Hyperscore=24.1740
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
y4
b5−NH3
b5
b5−H2O
y5
b6
b6−H2O
y6
y7
b8−H2O
y8
b9
b9−H2O
y9
b10
b10−H2O

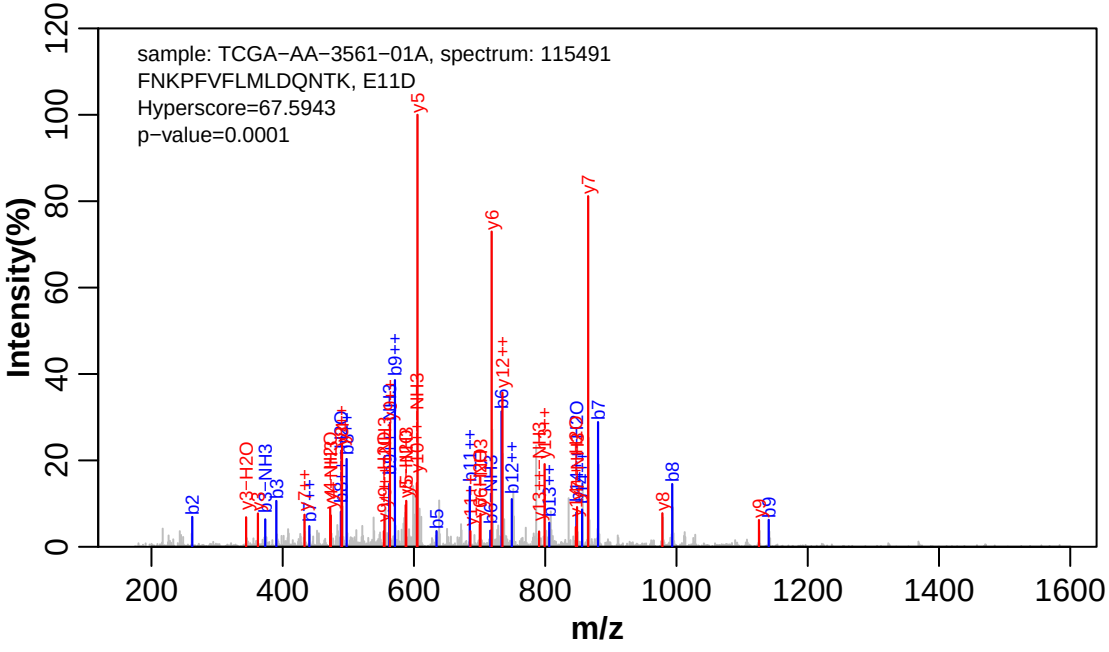

sample: TCGA−AA−3561−01A, spectrum: 123372
ELTVSNNDLNEAGVHVLCQGLK, R15H
Hyperscore=27.6087
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b4−H2O
y13++
b7−H2O
y14++
y15++
y16++
y8
y17++
y18++−H2O
b9
y18++
y19++
b10
y20++

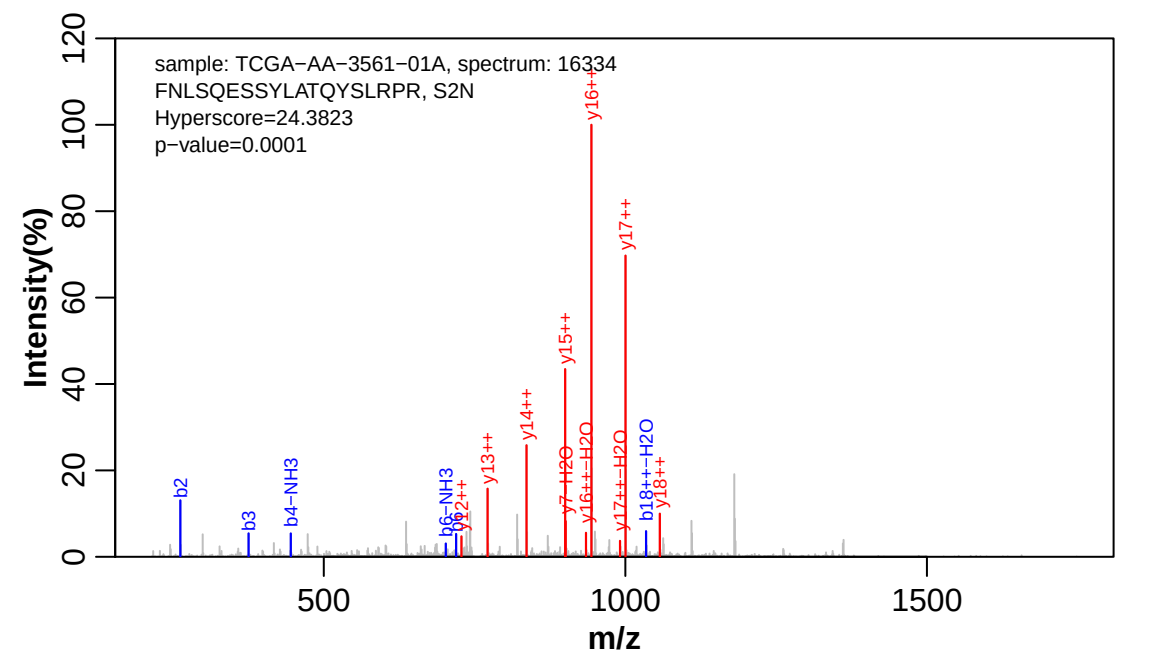

sample: TCGA−AA−3561−01A, spectrum: 22380
ELVDDSLNNVR, V7I
Hyperscore=51.3723
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−H2O
y4
b5−NH3
b5−H2O
b5
y5−NH3
y5
b6
y6−NH3
y6
b7−NH3
b7−H2O
b7
y7−NH3
y7
b8−H2O
b8
y8−NH3
y8
b9−NH3
b9−H2O
b9
y9
b10−NH3
b10−H2O
b10

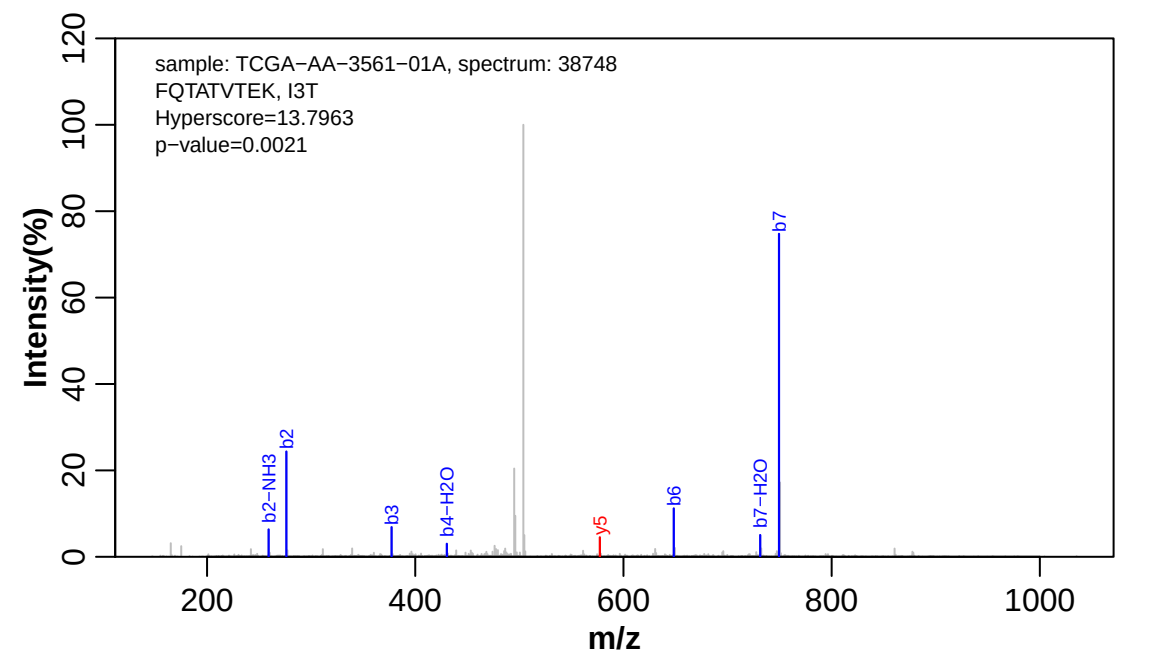

sample: TCGA−AA−3561−01A, spectrum: 86931
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=48.7136
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b8−NH3
y16++
y18++
y20++
y20++−H2O
y22++
y23++
b12
b6−H2O
b7−H2O
y8−NH3
y10++−NH3
y5

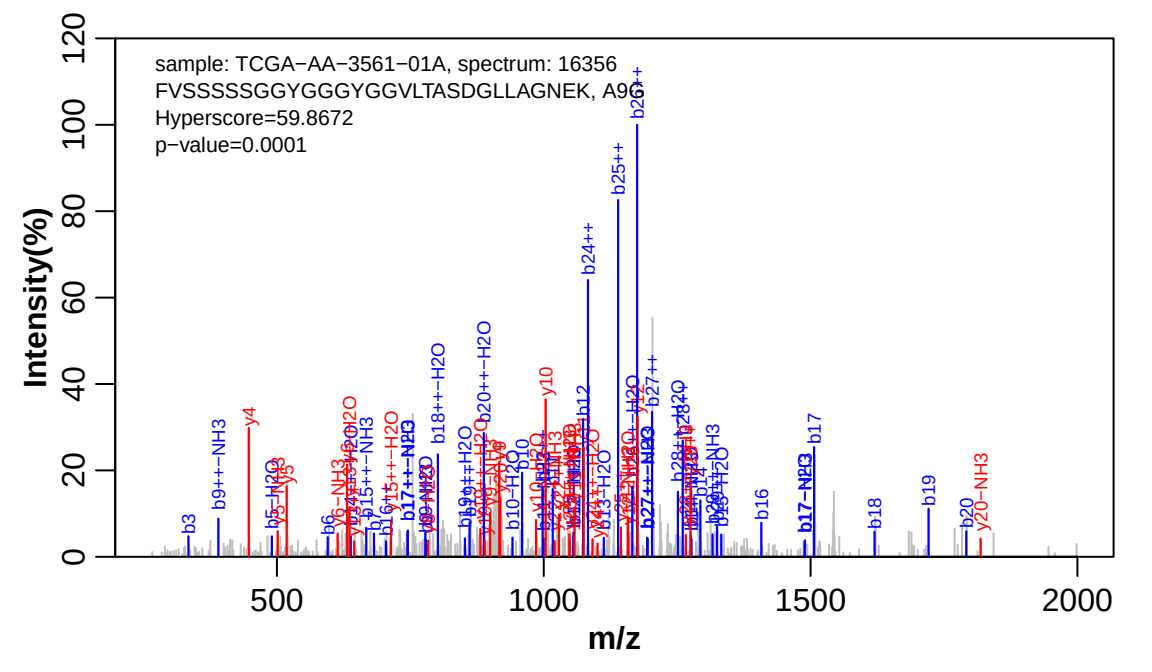

sample: TCGA−AA−3561−01A, spectrum: 97344
FFGSLPDSWAR, S11R
Hyperscore=15.8580
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

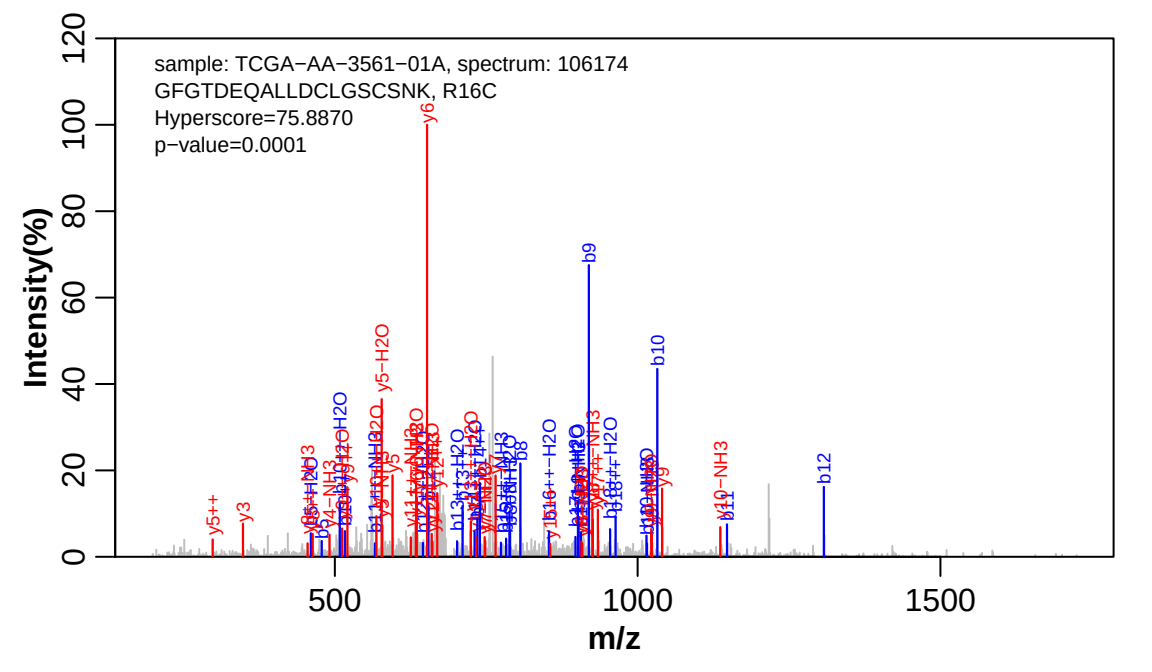

sample: TCGA−AA−3561−01A, spectrum: 22278
FLDKLPQQTGDR, H12R
Hyperscore=15.3951
p−value=0.0003
Intensity(%)
m/z
y10++
y10++−H2O
y11++
b2
y3
y7++
b7++
y4
y9++
b9++
y5
b5
0
20
40
60
80
100
120
200
400
600
800
1000

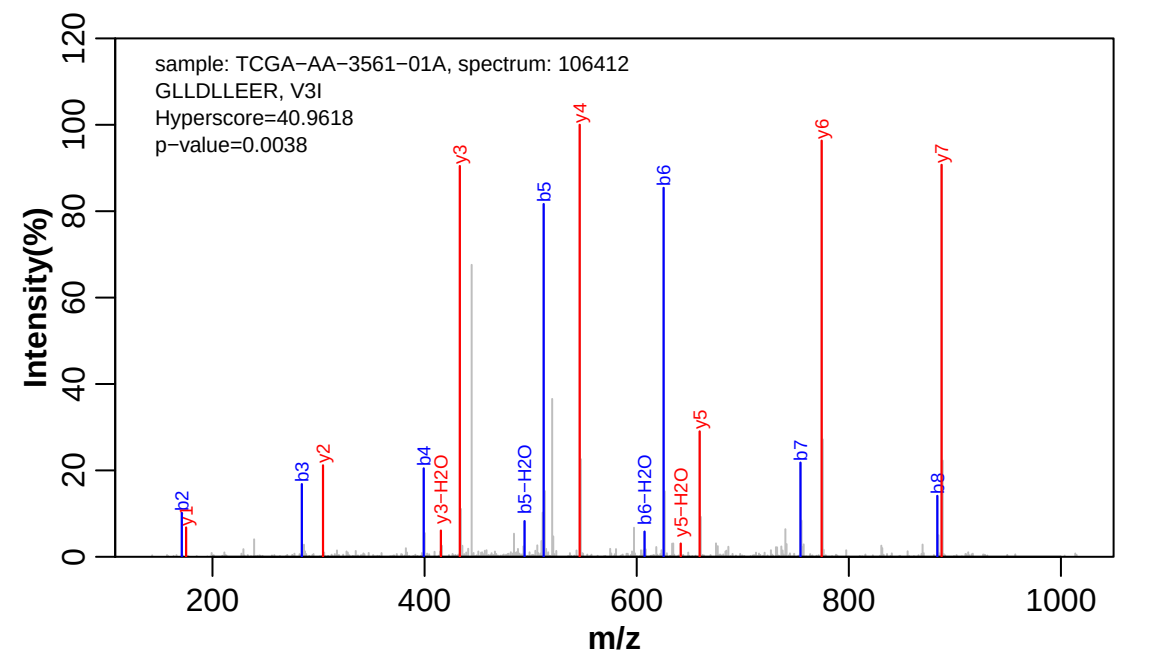

sample: TCGA−AA−3561−01A, spectrum: 115491
FNKPFVFLMLDQNTK, E11D
Hyperscore=67.5943
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y7
y6
b6
y12++
b9++
b7
b8
b2
b5
y8
y9
b9
b12++
y13++
y10++
NH3
H2O

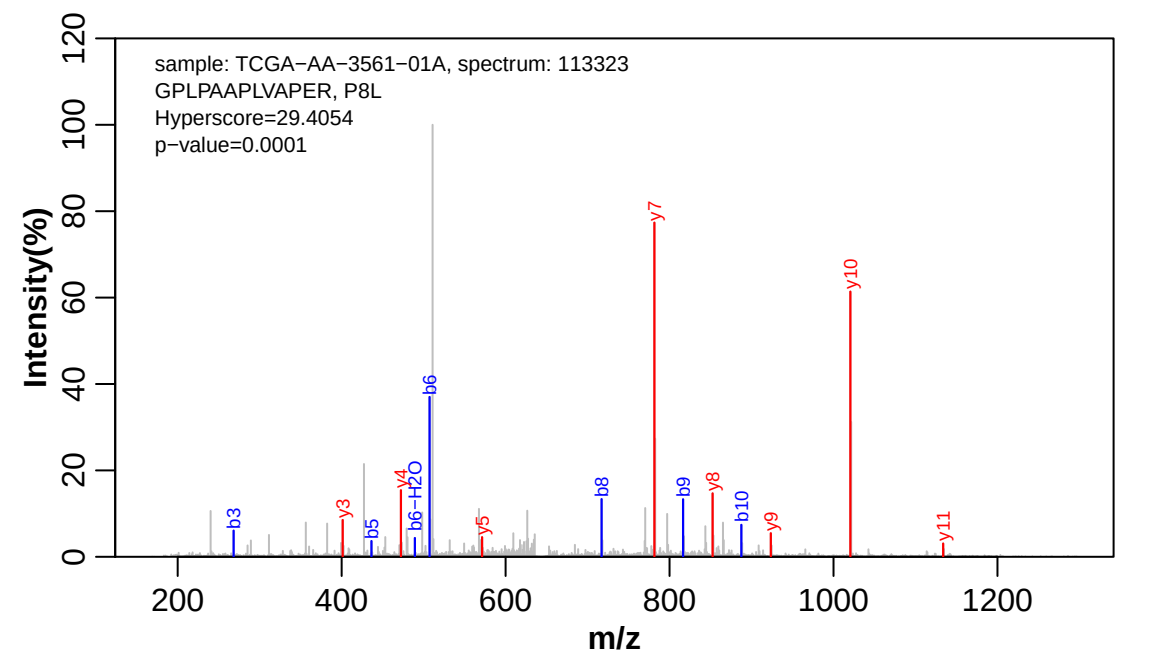

sample: TCGA−AA−3561−01A, spectrum: 16334
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=24.3823
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b4−NH3
b6−NH3
b6
y12++
y13++
y14++
y7−H2O
y15++
y16++−H2O
y16++
y17++−H2O
y17++
b18++−H2O
y18++

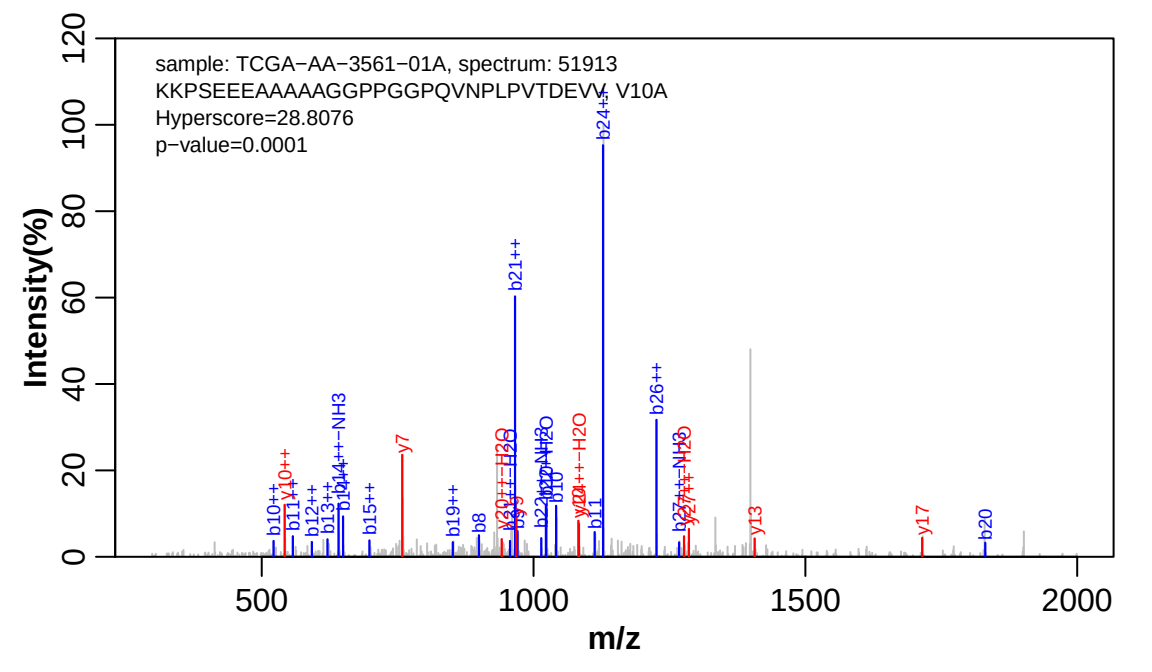

sample: TCGA−AA−3561−01A, spectrum: 38748
FQTATVTEK, I3T
Hyperscore=13.7963
p−value=0.0021
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2−NH3
b2
b3
b4−H2O
y5
b6
b7−H2O
b7

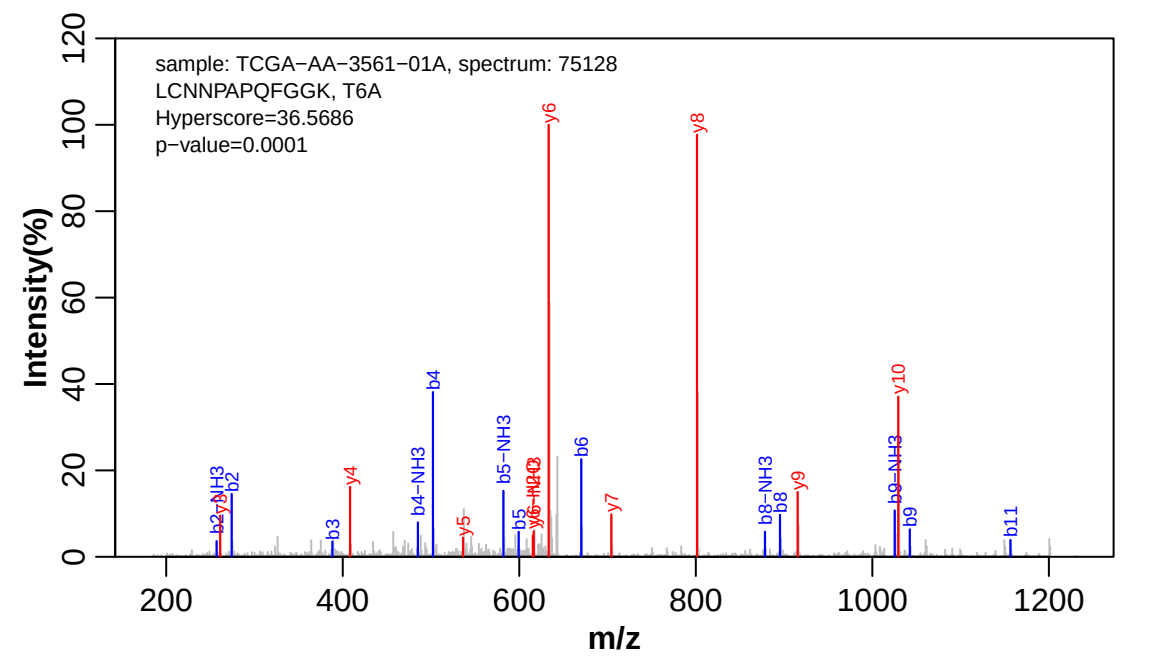

sample: TCGA−AA−3561−01A, spectrum: 16356
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=59.8672
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
b9++−NH3
y4
b5−H2O
y5
b6
b6−NH3
y6
y6−H2O
b7
b15++−NH3
b16
y15++−H2O
b17++−NH3
b17++−H2O
b18++−H2O
b19++−H2O
b20++−H2O
b10−H2O
y10
b12
y13−H2O
b24++
b25++
b26++
b27++−NH3
b27++
b16
b17−NH3
b17
b18
b19
b20
y20−NH3

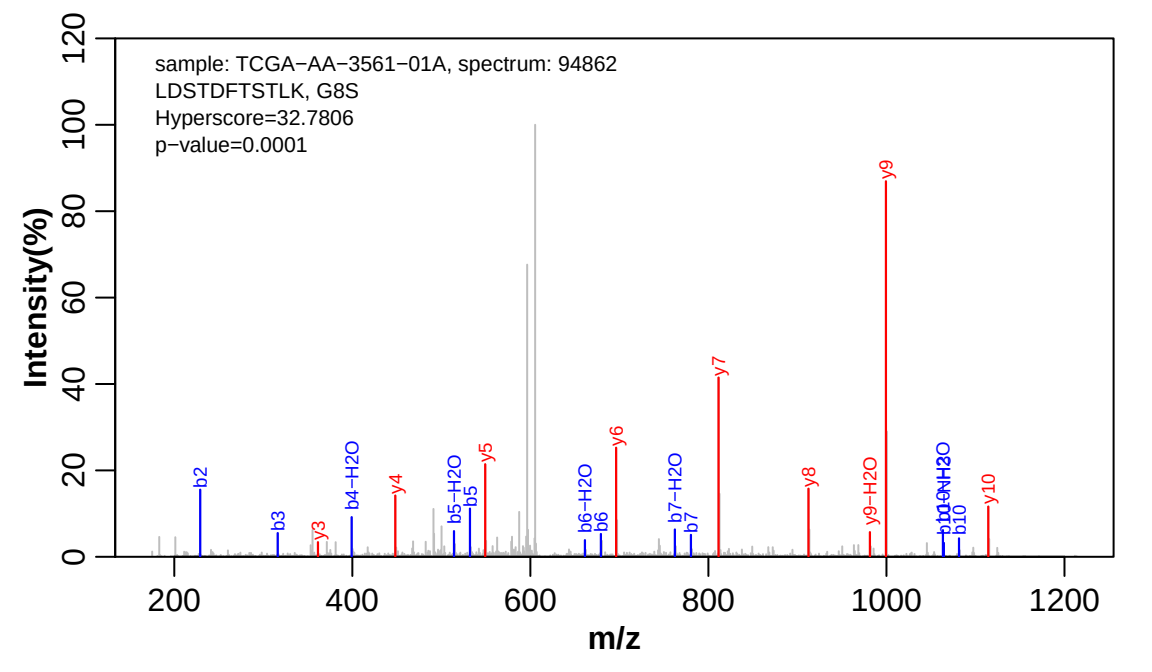

sample: TCGA−AA−3561−01A, spectrum: 106174
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=75.8870
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
y5++
y3
b9
b10
b12
y10−NH3
y11
y9
b8
b18++−H2O
y16++−H2O

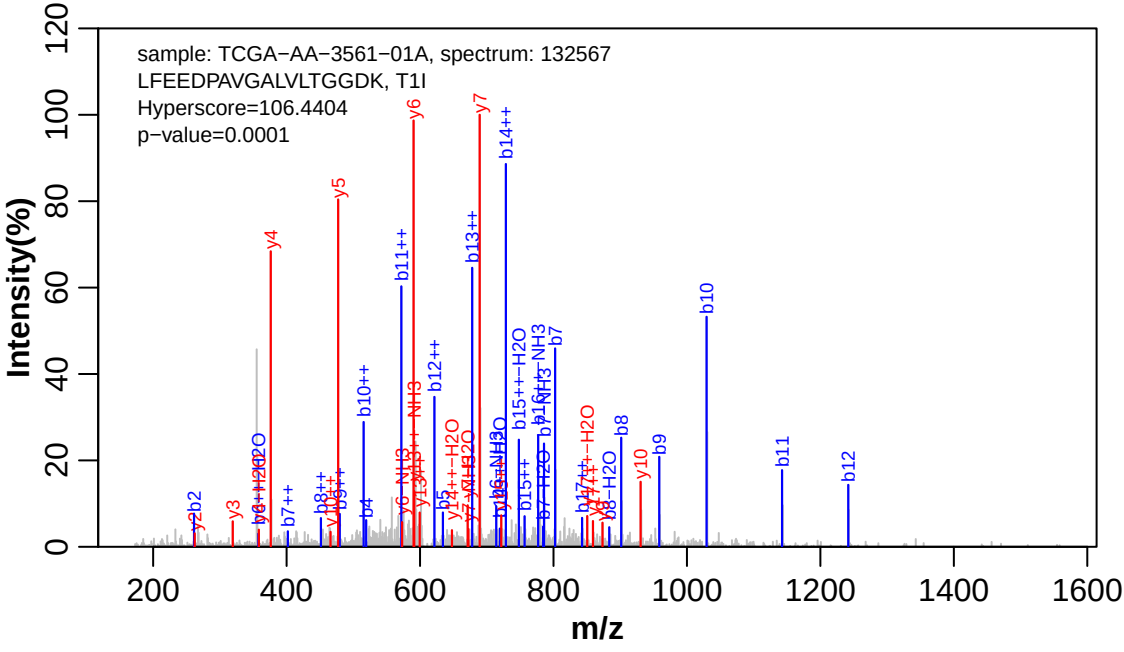

sample: TCGA−AA−3561−01A, spectrum: 106412
GLLDLLEER, V3I
Hyperscore=40.9618
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y2
b4
y3−H2O
y3
y4
b5
b5−H2O
b6−H2O
b6
y5−H2O
y5
b7
y6
b8
y7

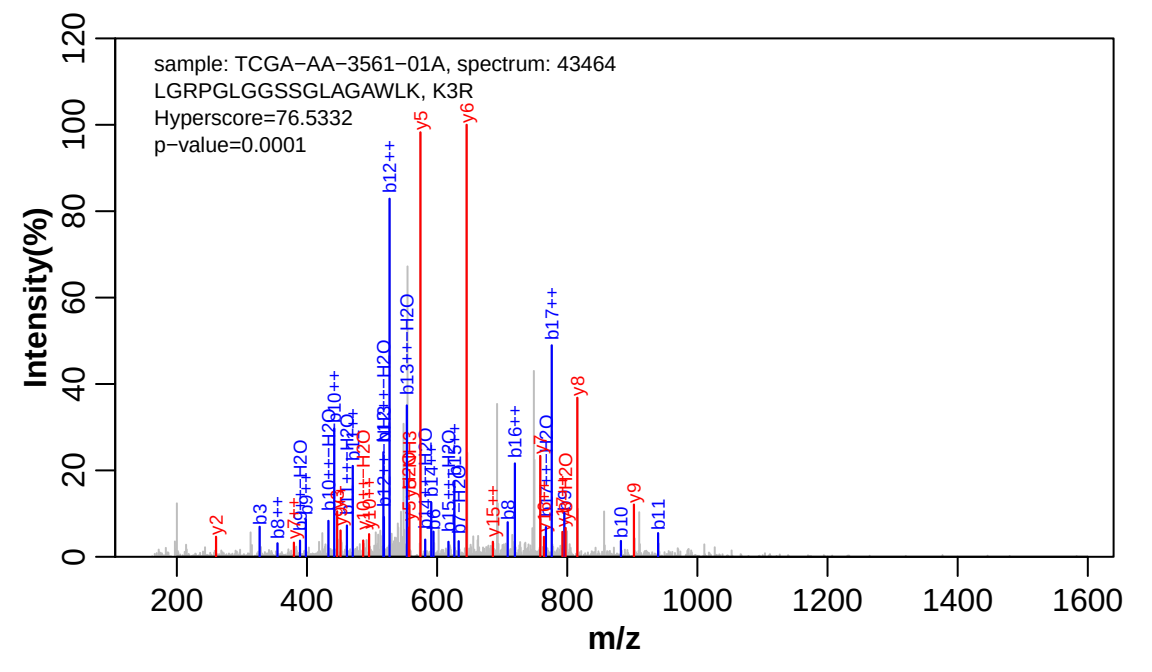

sample: TCGA−AA−3561−01A, spectrum: 113323
GPLPAAPLVAPER, P8L
Hyperscore=29.4054
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
y3
b5
y4
b6−H2O
b6
y5
b8
y7
b9
y8
b10
y9
y10
y11

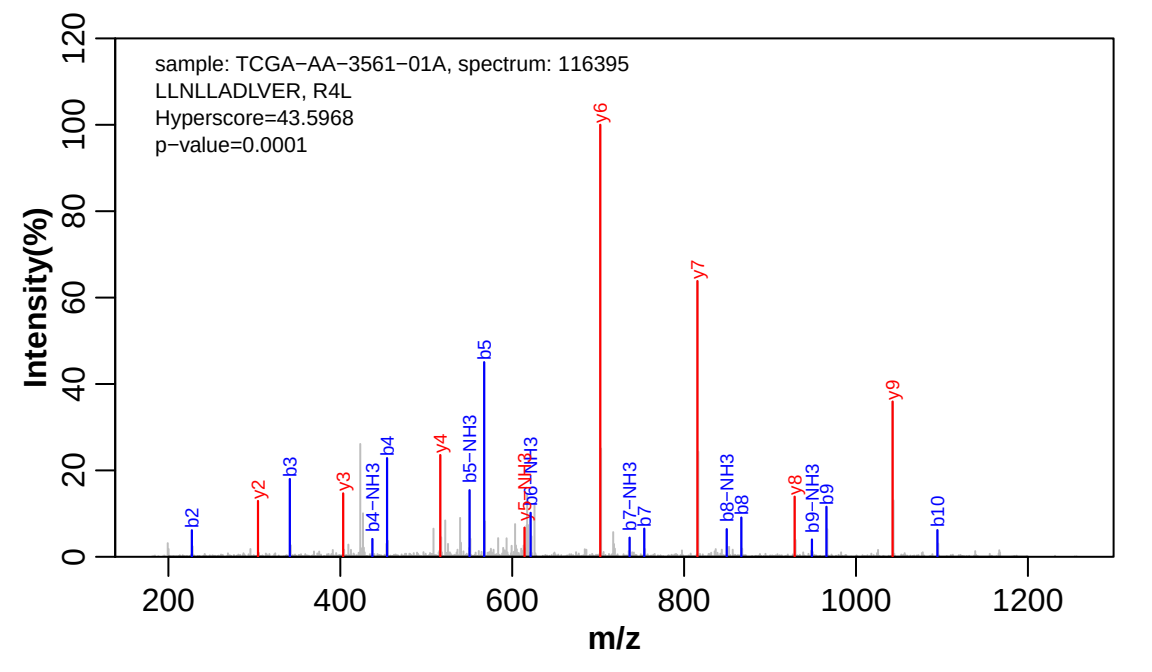

sample: TCGA−AA−3561−01A, spectrum: 51913
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV, V10A
Hyperscore=28.8076
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
b21++
b26++
y7
y13
y17
b20
b15++
b19++
b8
b11
b10++
y11++
b12++
b13++
b14++
b14++−NH3
y20++−H2O
y24++−H2O
y27++−NH3
y27++−H2O

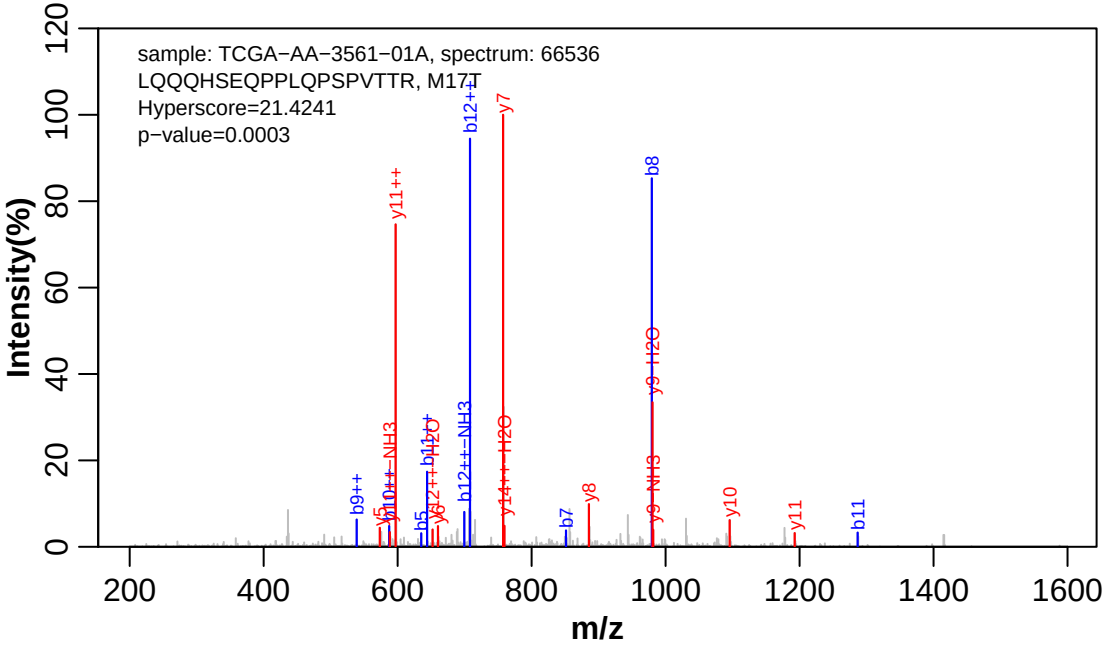

sample: TCGA−AA−3561−01A, spectrum: 75128
LCNNPAPQFGGK, T6A
Hyperscore=36.5686
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y8
y10
b4
b4−NH3
b5−NH3
b6
y4
y5
y7
y9
b2−NH3
b2
b3
b5
b8−NH3
b8
b9−NH3
b9
b11

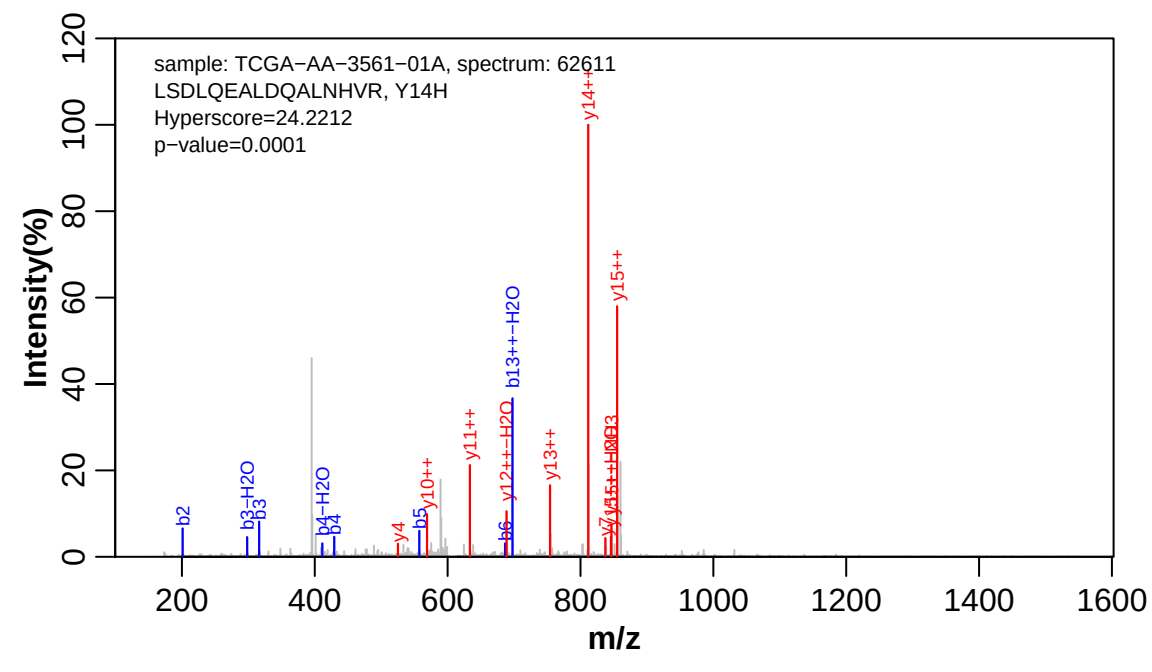

sample: TCGA−AA−3561−01A, spectrum: 94862
LDSTDFTSTLK, G8S
Hyperscore=32.7806
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9−H2O
y9
b10−NH3
b10−H2O
b10
y10

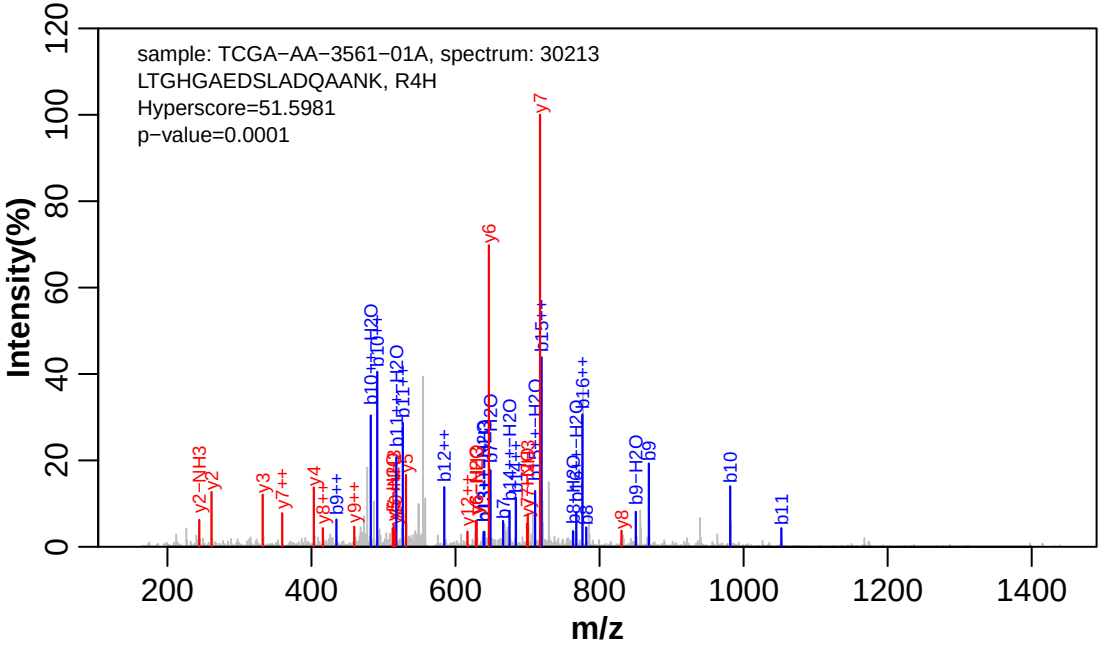

sample: TCGA−AA−3561−01A, spectrum: 132567
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=106.4404
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y5
y4
b14++
b13++
b11++
b12++
b10++
b10
b11
b12
y2b2
y3
b7++
b4
b5
b8
b9
y10
b7
b15++−H2O
b15++
b16++−NH3
b17++
b17++−H2O
b8−H2O

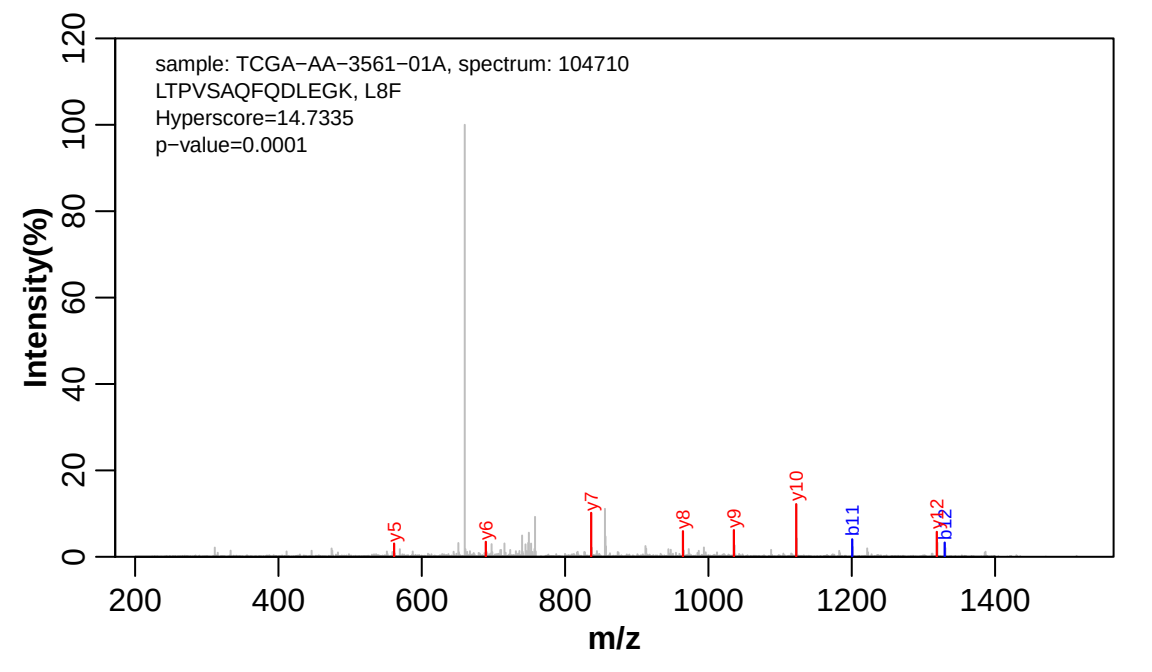

sample: TCGA−AA−3561−01A, spectrum: 43464
LGRPGLGGSSGLAGAWLK, K3R
Hyperscore=76.5332
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
b8++
y6++−H2O
y7++
b9++−H2O
b10++−H2O
y3++−H2O
y10++−H2O
b12++−H2O
b13++−H2O
b12++
y5
y6
b17++
y8
b16++
y15++
b8
b10
y9
b11

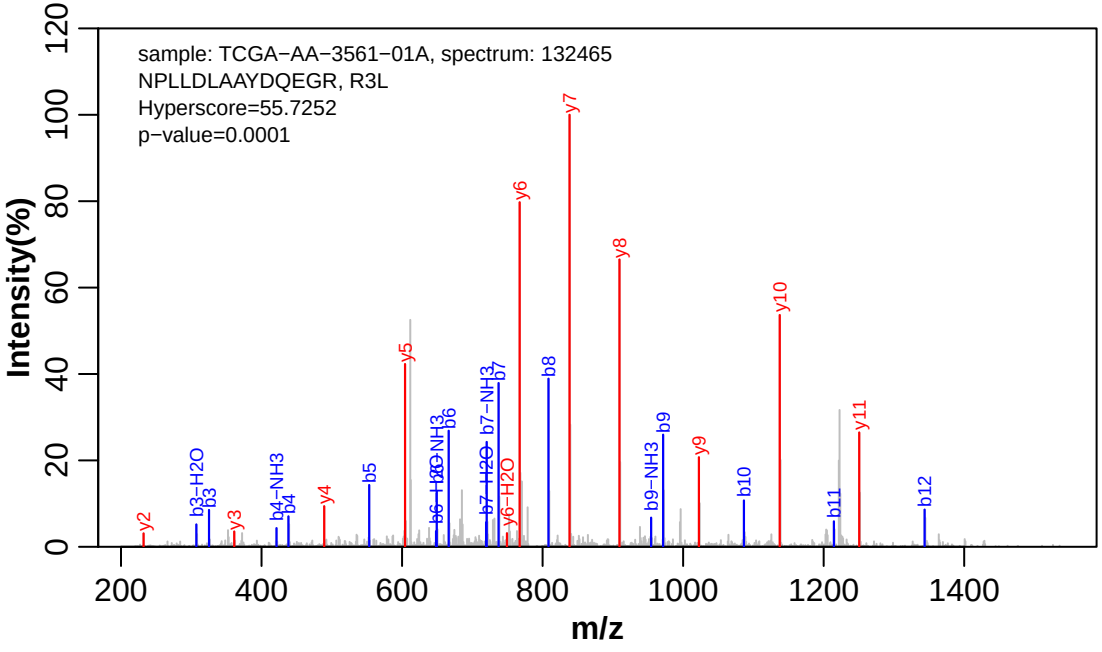

sample: TCGA−AA−3561−01A, spectrum: 116395
LLNLLADLVER, R4L
Hyperscore=43.5968
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
b6−NH3
y6
b7−NH3
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

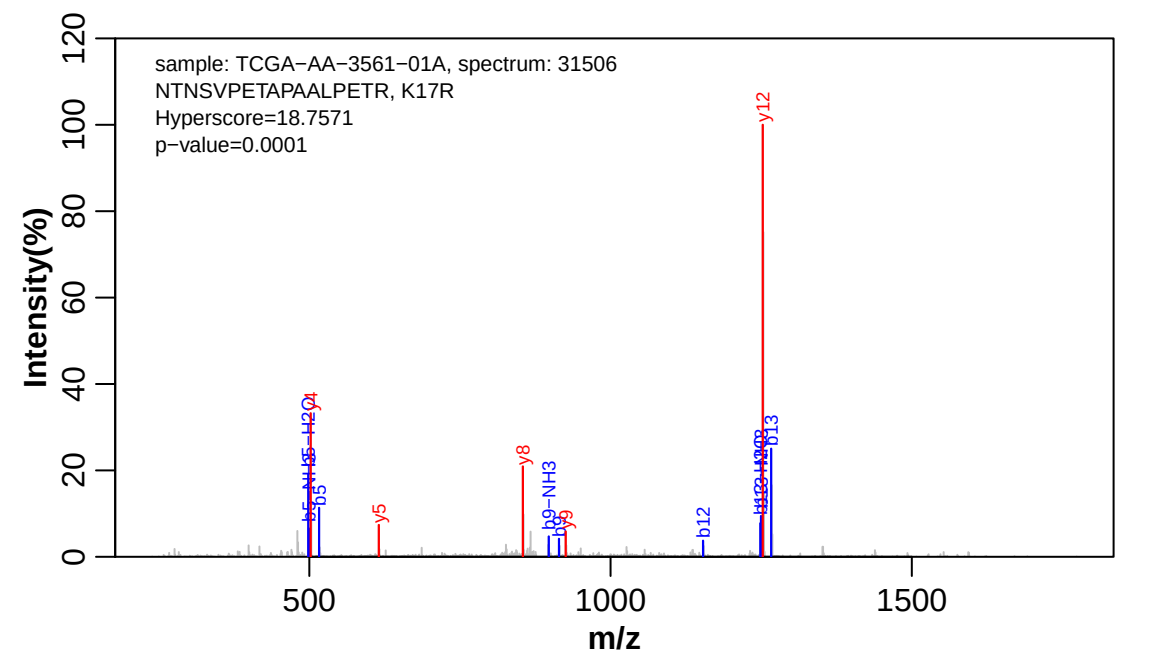

sample: TCGA−AA−3561−01A, spectrum: 66536
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.4241
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b9++
y5
y10++−NH3
b5
y6
y7++−H2O
b11++
b12++−NH3
b12++
y14+++−H2O
y7
b7
y8
b8
y9−H2O
y9−NH3
y10
y11
b11

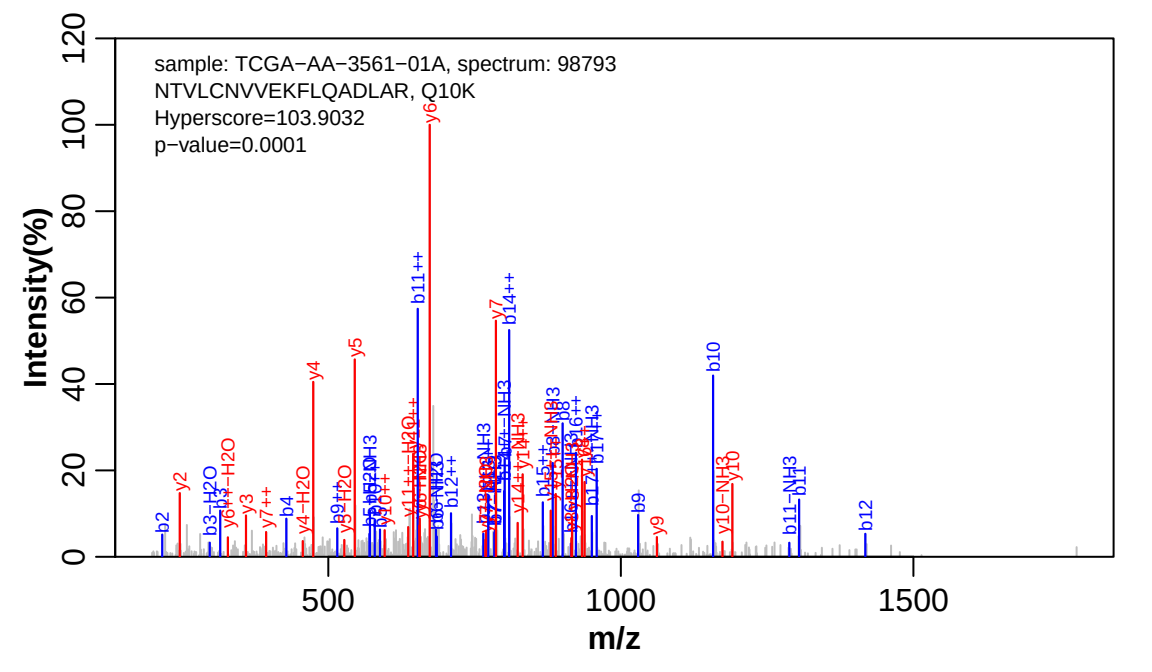

sample: TCGA−AA−3561−01A, spectrum: 62611
LSDLQEALDQALNHVR, Y14H
Hyperscore=24.2212
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
b3
b4−H2O
b4
y4
b5
y10++
y11++
b6
y12++−H2O
b13++−H2O
y13++
y14++
y15++

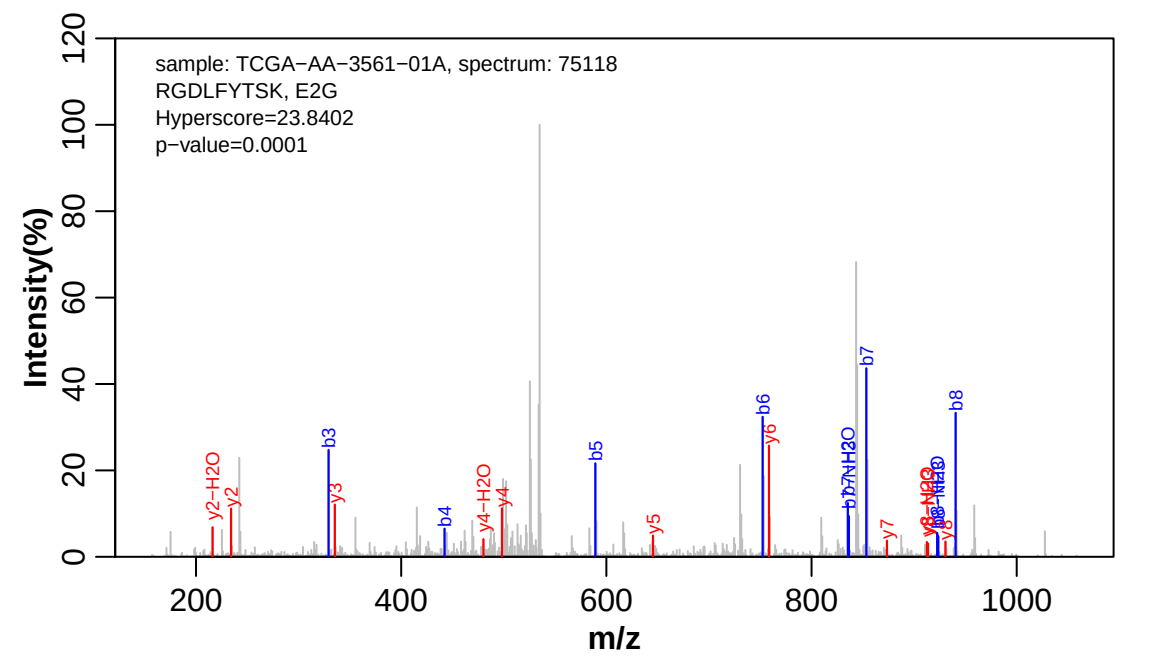

sample: TCGA−AA−3561−01A, spectrum: 30213
LTGHGAEDSLADQAANK, R4H
Hyperscore=51.5981
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y6
b15++
b10
b11
b12++
b16++
y2−NH3
y2
y3
y7++
y4
y8++
b9++
y9++
y5
b10+−H2O
b11+−H2O
b7
b8
b9−H2O
y8

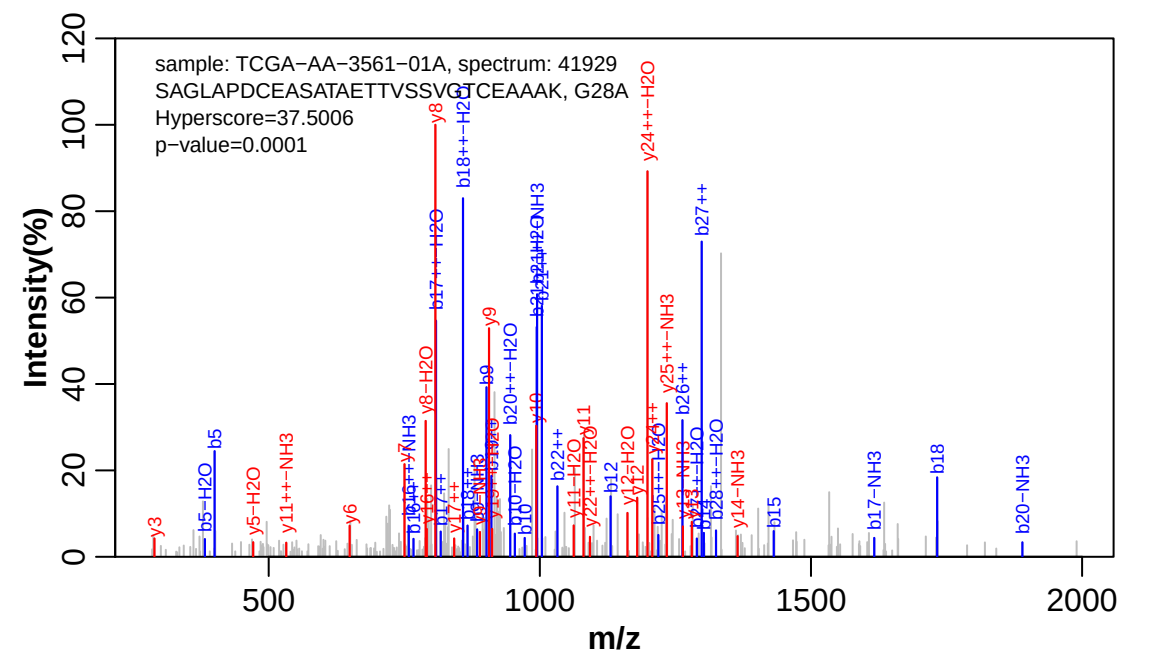

sample: TCGA−AA−3561−01A, spectrum: 104710
LTPVSAQFQDLEGK, L8F
Hyperscore=14.7335
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
y5
y6
y7
y8
y9
y10
b11
y12
b12

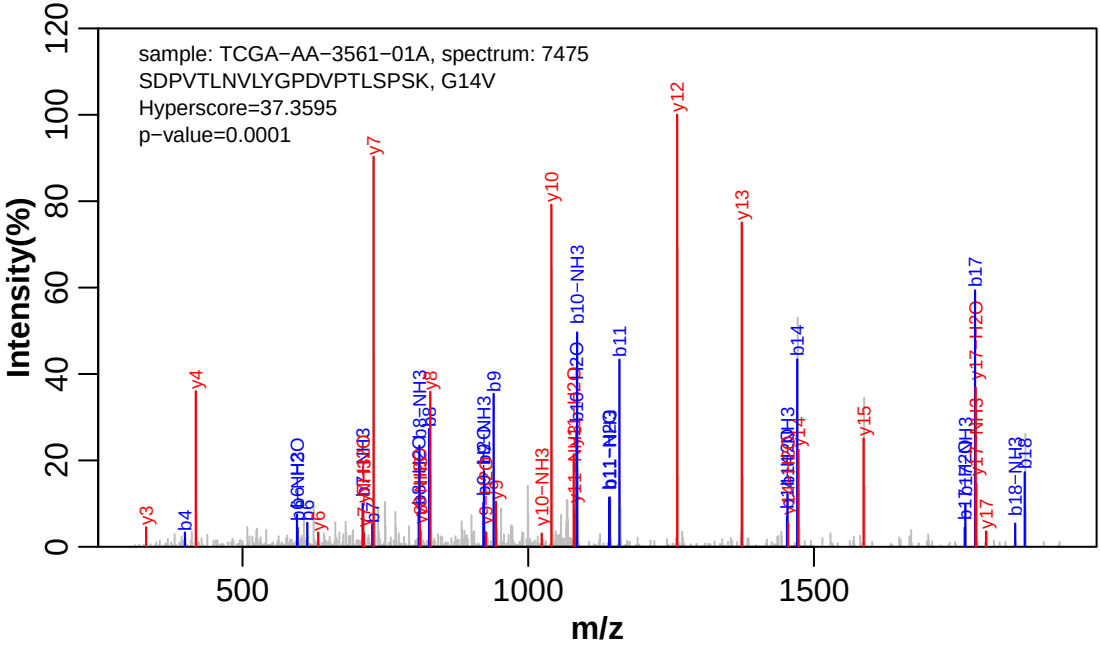

sample: TCGA−AA−3561−01A, spectrum: 132465
NPLLDLAAYDQEGR, R3L
Hyperscore=55.7252
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3−H2O
b3
y3
b4−NH3
b4
y4
b5
y5
b6−H2O
b6−NH3
b6
b7−H2O
b7−NH3
b7
y6−H2O
y6
b8
y7
y8
b9−NH3
b9
y9
b10
y10
b11
y11
b12

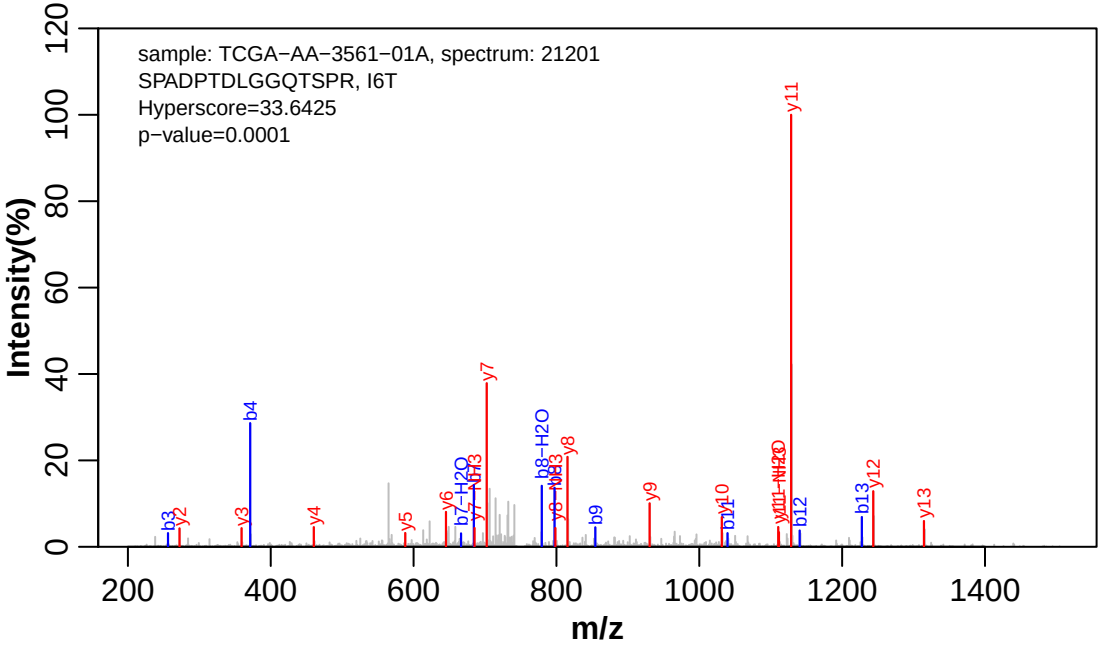

sample: TCGA−AA−3561−01A, spectrum: 31506
NTNSVPETAPAALPETR, K17R
Hyperscore=18.7571
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y8
y5
b5
b12
b13
b9−NH3

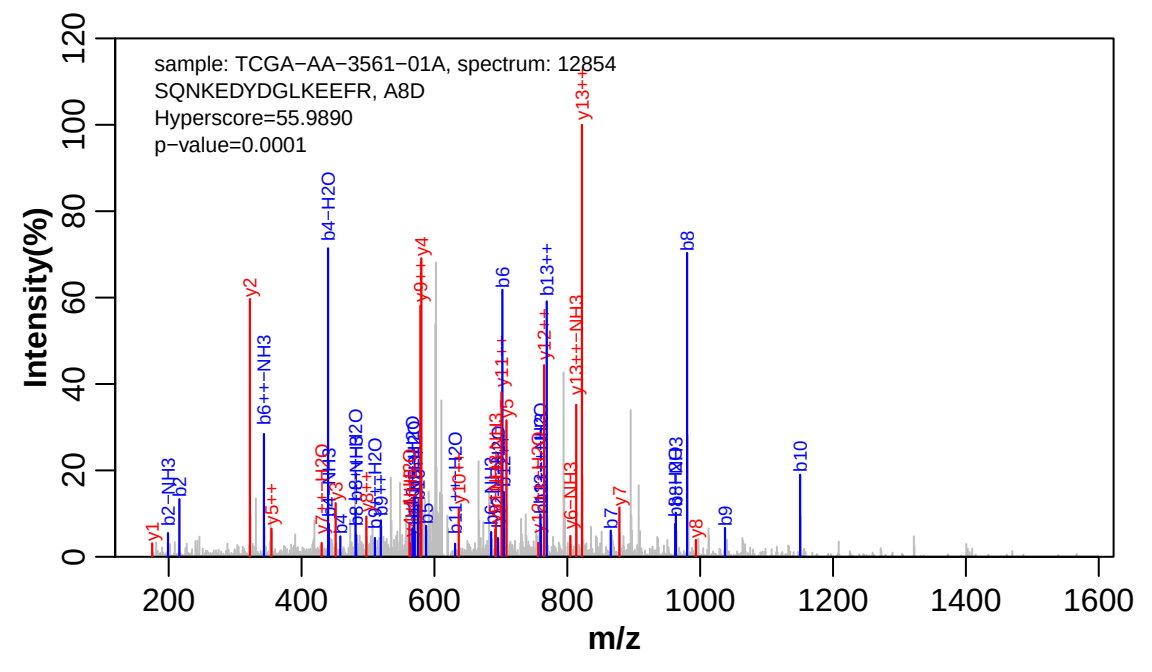

sample: TCGA−AA−3561−01A, spectrum: 98793
NTVLCNVVEKFLQADLAR, Q10K
Hyperscore=103.9032
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
b3−H2O
b4++
y6++−H2O
y3
y7++
b4
y4−H2O
y4
b9++
y5−H2O
y5
b11++
y6
b12++
y7
b14++
b10
y10
y10−NH3
b11−NH3
b11
b12
b9
y9

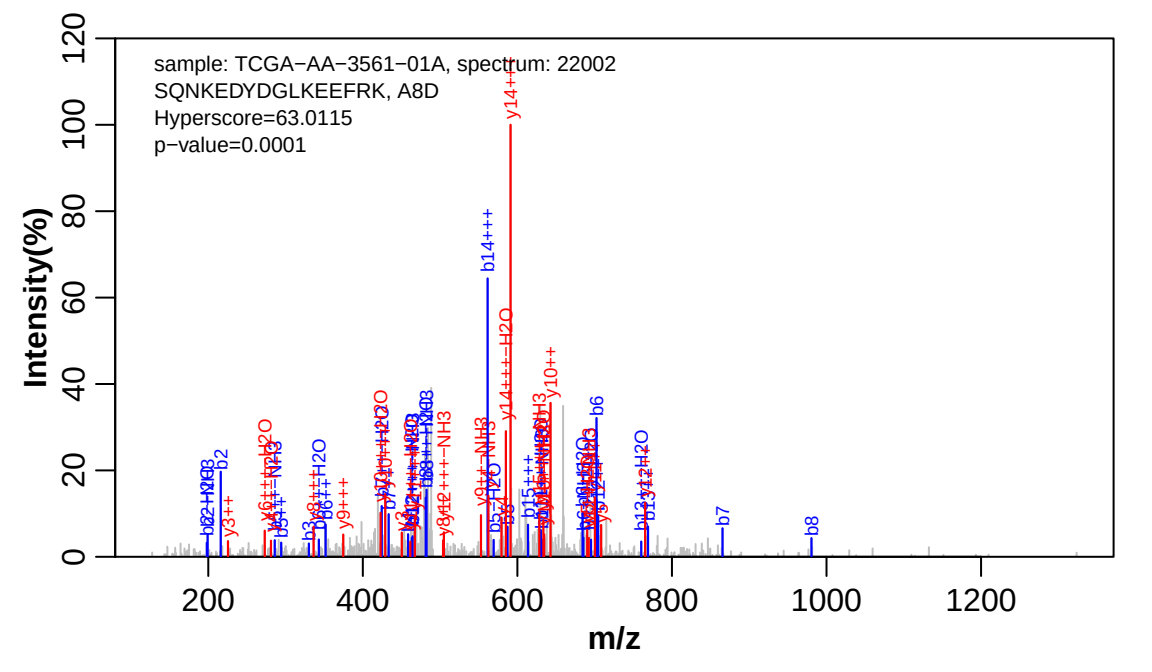

sample: TCGA−AA−3561−01A, spectrum: 75118
RGDLFYTSK, E2G
Hyperscore=23.8402
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y2−H2O
y2
b3
y3
b4
y4−H2O
y4
b5
y5
b6
y6
b7
b7−NH3
b7−H2O
y7
b8
y8−NH3
y8−H2O
y8

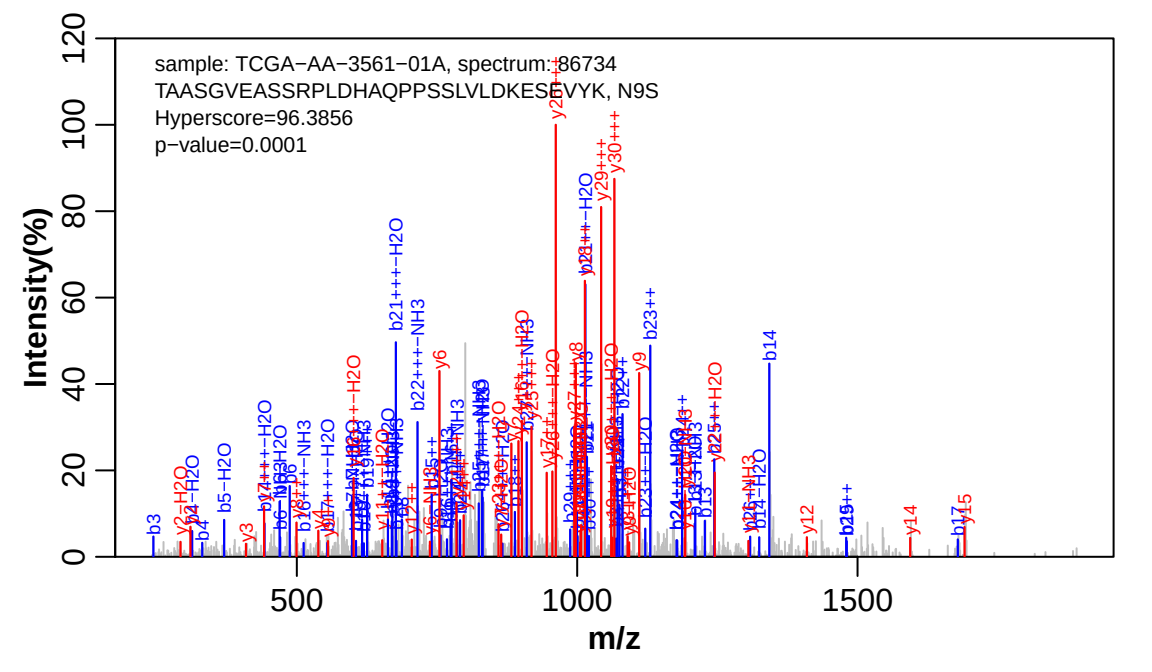

sample: TCGA−AA−3561−01A, spectrum: 41929
SAGLAPDCEASATAETTVSSVGTCEAAAK, G28A
Hyperscore=37.5006
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
b5
b5−H2O
y5−H2O
y11++−NH3
y6
y8
y8−H2O
b17++−H2O
b18++−H2O
y24++−H2O
y9
b20++−H2O
b27++
y25++−NH3
b26++
b10
b10−H2O
b22++
y11−H2O
y11
b12
y12−H2O
y12
y22++−H2O
b28++−H2O
y14−NH3
b15
b17−NH3
b18
b20−NH3

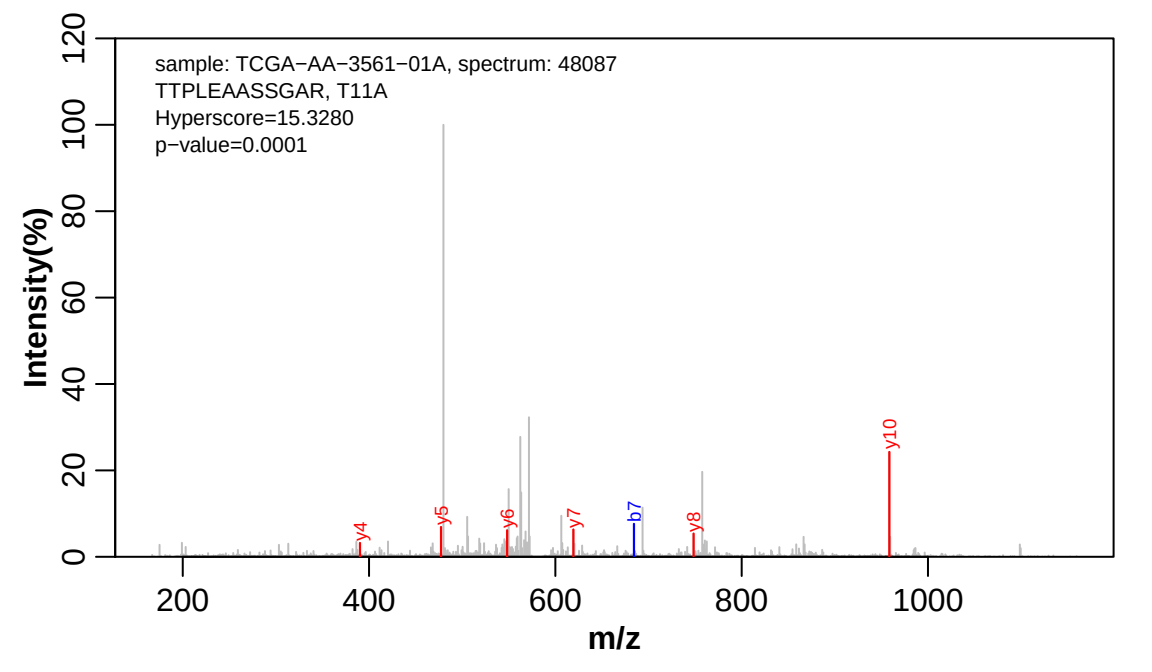

sample: TCGA−AA−3561−01A, spectrum: 7475
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=37.3595
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y7
y10
y13
y4
b10−NH3
b11
b14
b17
y15
y3
b4
y6
y8
b9
y10−NH3
b18−NH3

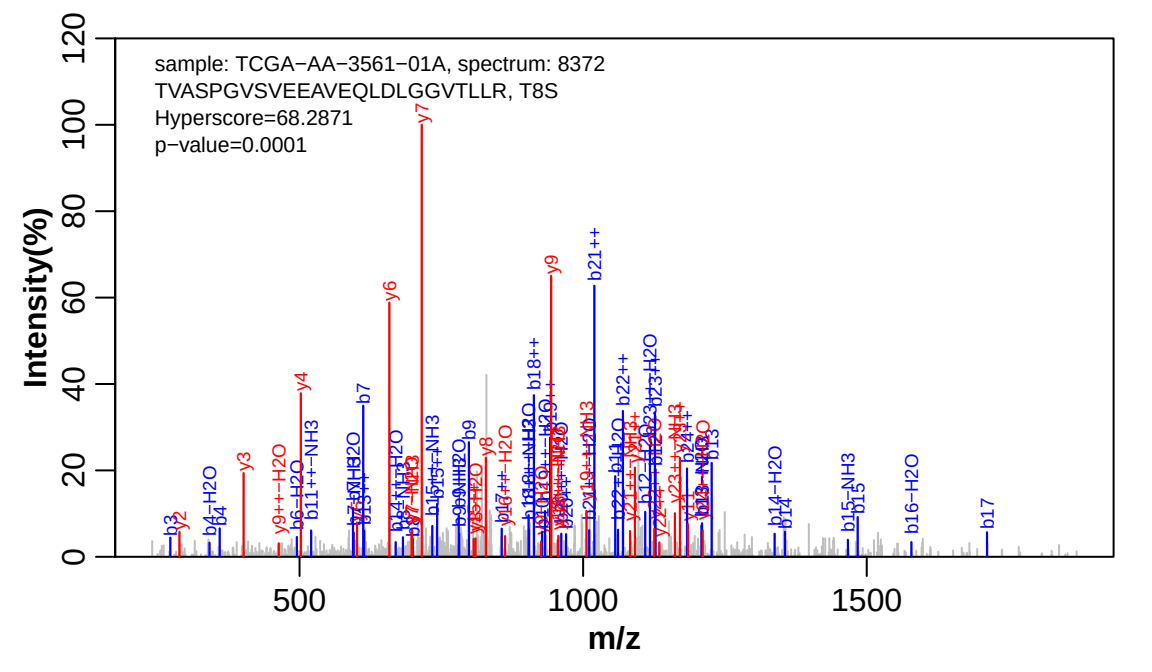

sample: TCGA−AA−3561−01A, spectrum: 21201
SPADPTDLGGQTSPR, I6T
Hyperscore=33.6425
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
y5
y6
b7−H2O
y7−NH3
y7
b8−H2O
b8−NH3
y8
b9
y9
b10
y10
y11−H2O
y11−NH3
y11
b12
b13
y12
y13

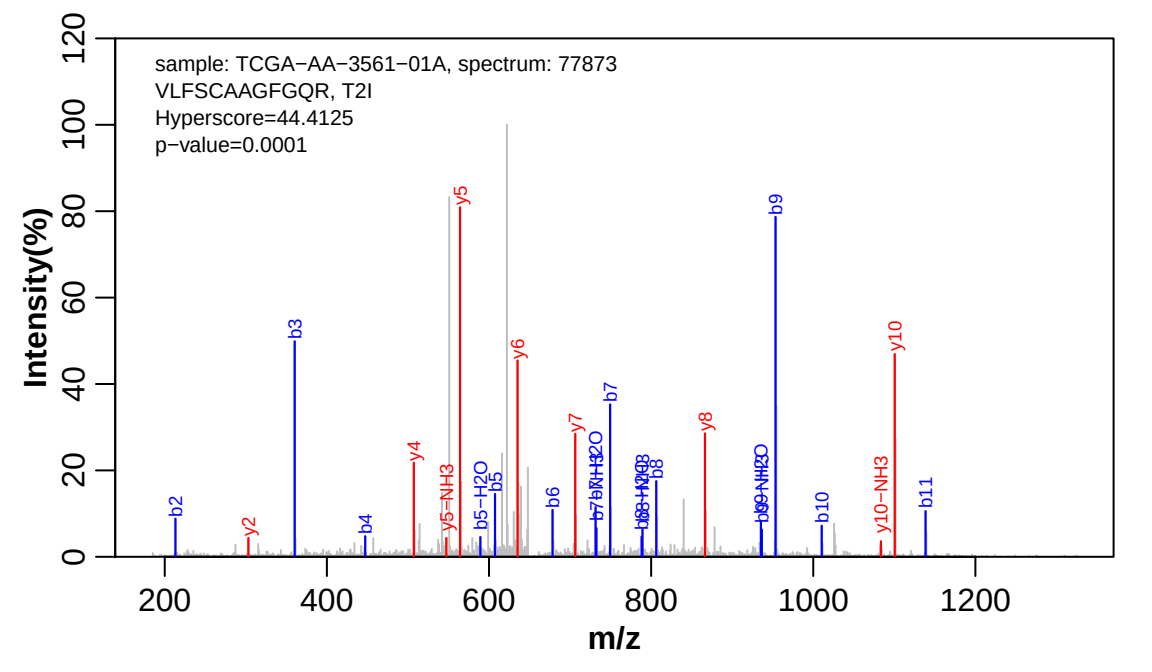

sample: TCGA−AA−3561−01A, spectrum: 12854
SQNKEDYDGLKEEFR, A8D
Hyperscore=55.9890
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y1
b2−NH3
b2
y2
b6++−NH3
y5++
b4−H2O
b4
y3
b8++−NH3
b8++−H2O
b9++−H2O
y4
y9++
b5
b11++−H2O
b6
y11++
y5
y12++
b13++
y13++−NH3
y6−NH3
y13++
b7
y7
b8
y8
b9
b10

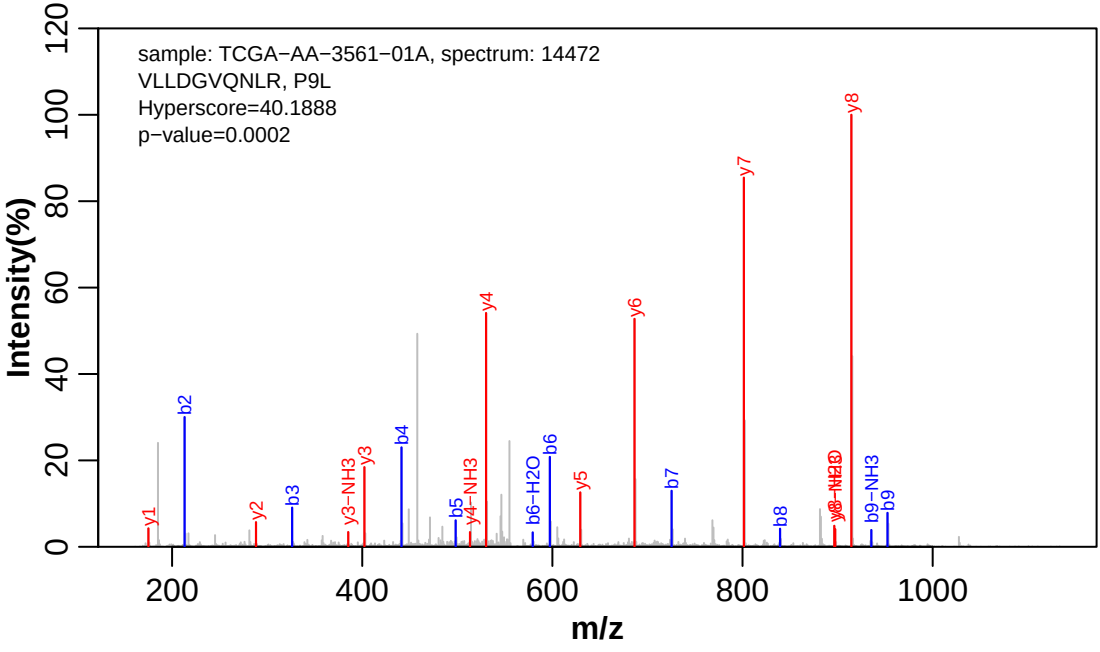

sample: TCGA−AA−3561−01A, spectrum: 22002
SQNKEDYDGLKEEFRK, A8D
Hyperscore=63.0115
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y14+++
b14+++
y14+++−H2O
y10++
b6
b7
b8
y9++
y9+++
y9++−NH3
y9+++−NH3
b5++−H2O
b5++−NH3
b15+++
y6+++−H2O
y6+++−NH3
b6+++−H2O
b6++−H2O
b2
y3++
b2+−H2O
b2+−NH3

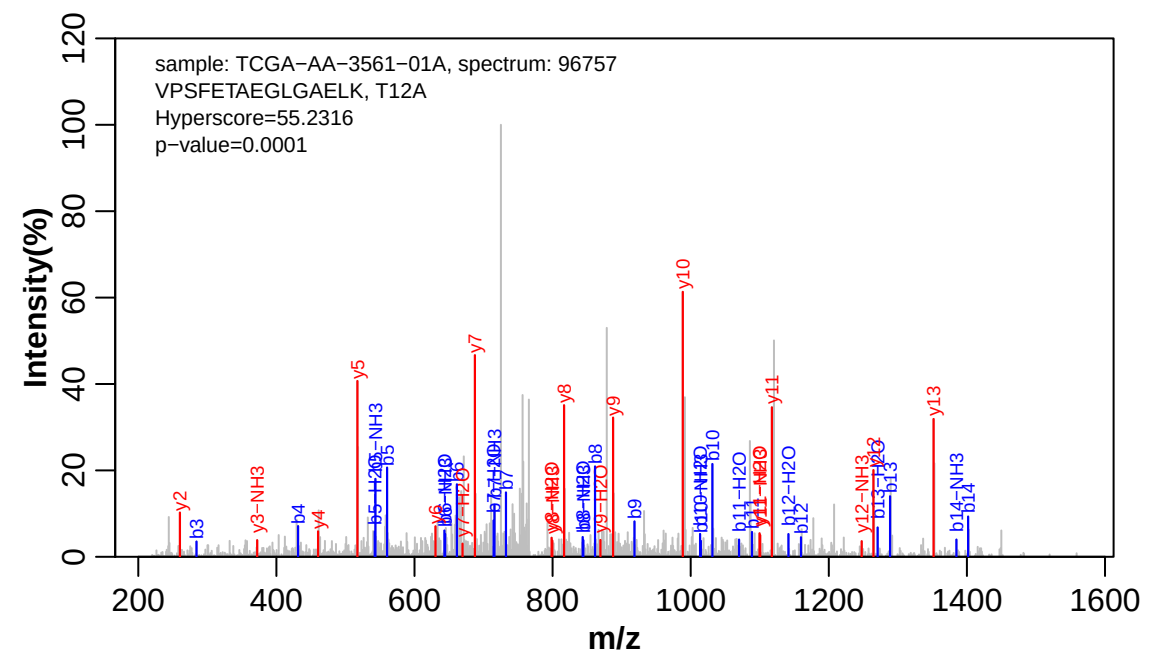

sample: TCGA−AA−3561−01A, spectrum: 86734
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=96.3856
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

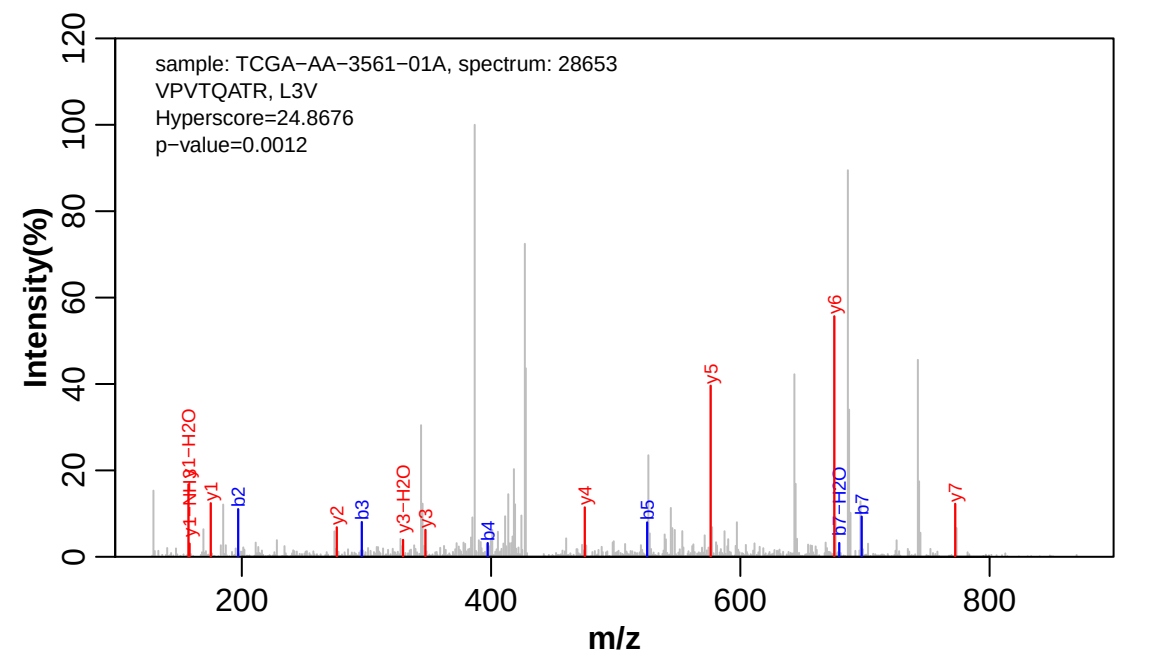

sample: TCGA−AA−3561−01A, spectrum: 48087
TTPLEAASSGAR, T11A
Hyperscore=15.3280
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y4
y5
y6
y7
b7
y8
y10

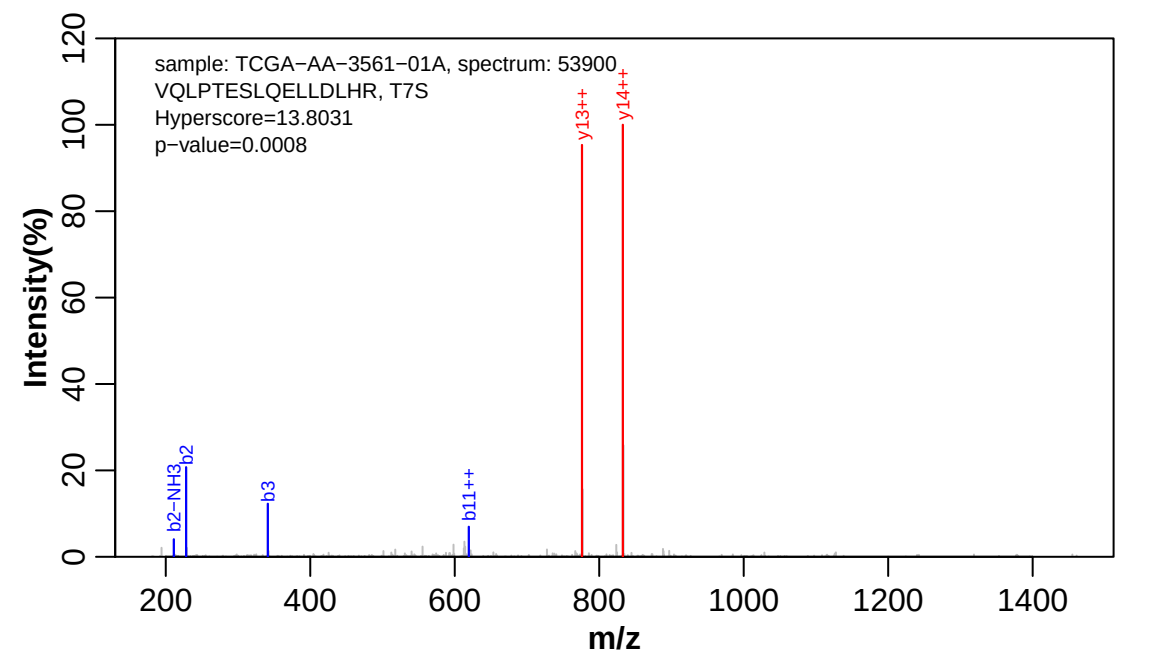

sample: TCGA−AA−3561−01A, spectrum: 8372
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=68.2871
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y6
y9
y4
y3
b21++
b18++
b7
b22++
b23+H2O
y8
b2
y2
b4−H2O
b6−H2O
b11++−NH3
y9++−H2O
b14−H2O
b15−NH3
b16−H2O
b17

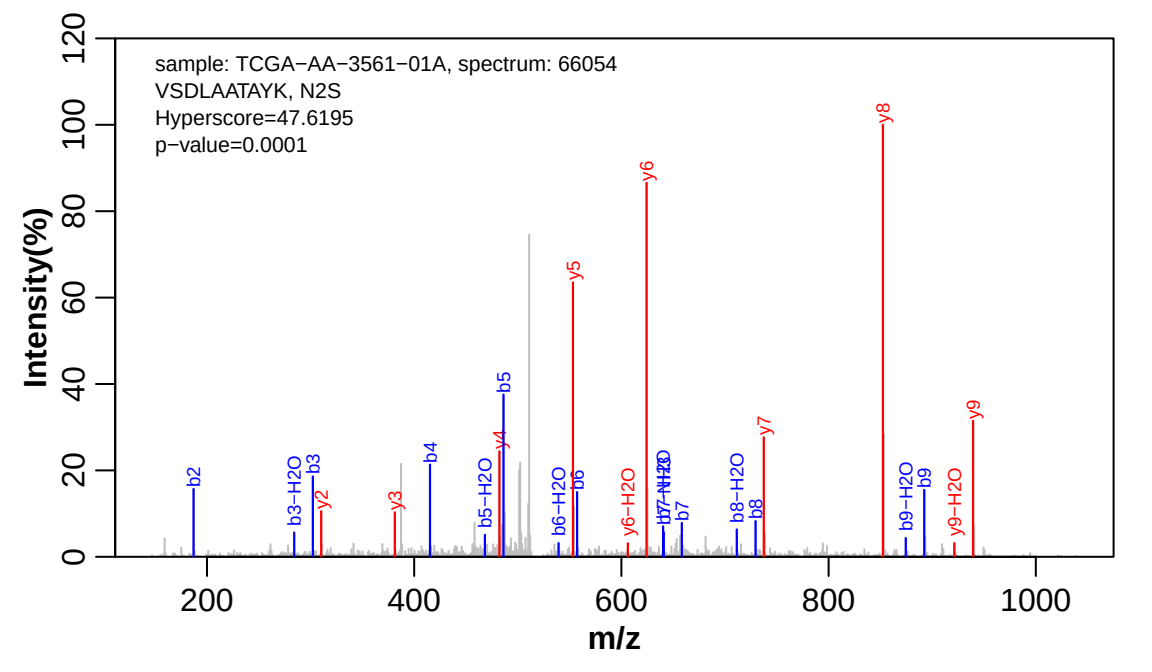

sample: TCGA−AA−3561−01A, spectrum: 77873
VLFSCAAGFGQR, T2I
Hyperscore=44.4125
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
b4
y4
y5−NH3
y5
b5−H2O
b5
b6
y6
y7
b7
y8
b8
b9
b9−NH3
b10
y10−NH3
y10
b11

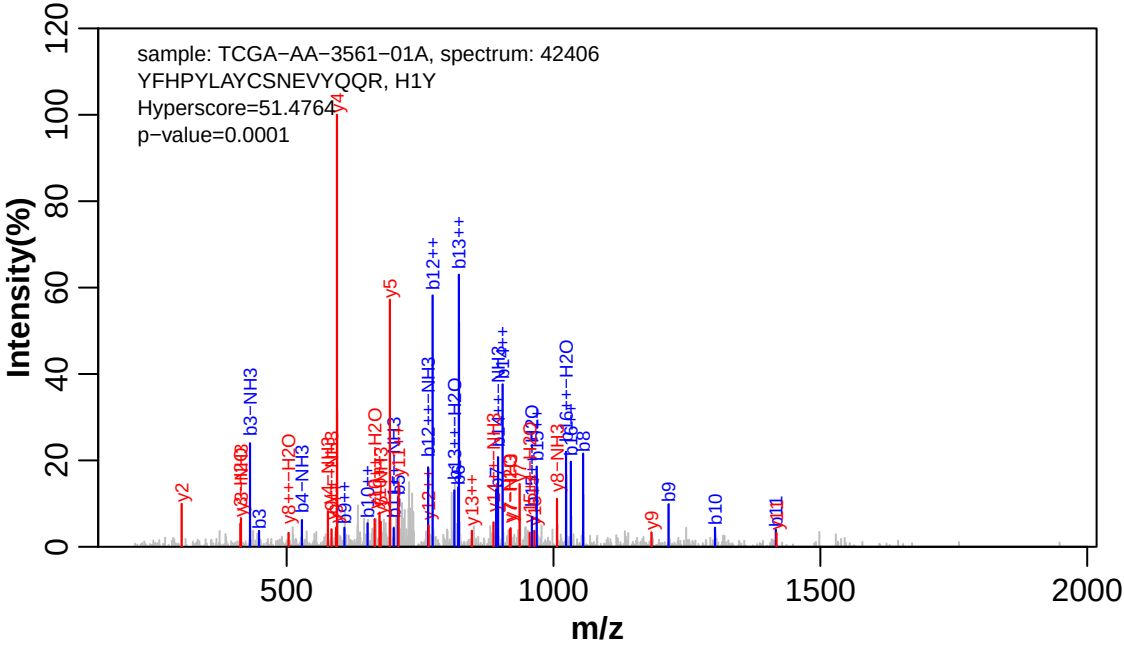

sample: TCGA−AA−3561−01A, spectrum: 14472
VLLDGVQNLR, P9L
Hyperscore=40.1888
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3
y3−NH3
y3
b4
b5
y4−NH3
y4
b6−H2O
b6
y5
y6
b7
b8
y7
y8
b9−NH3
b9

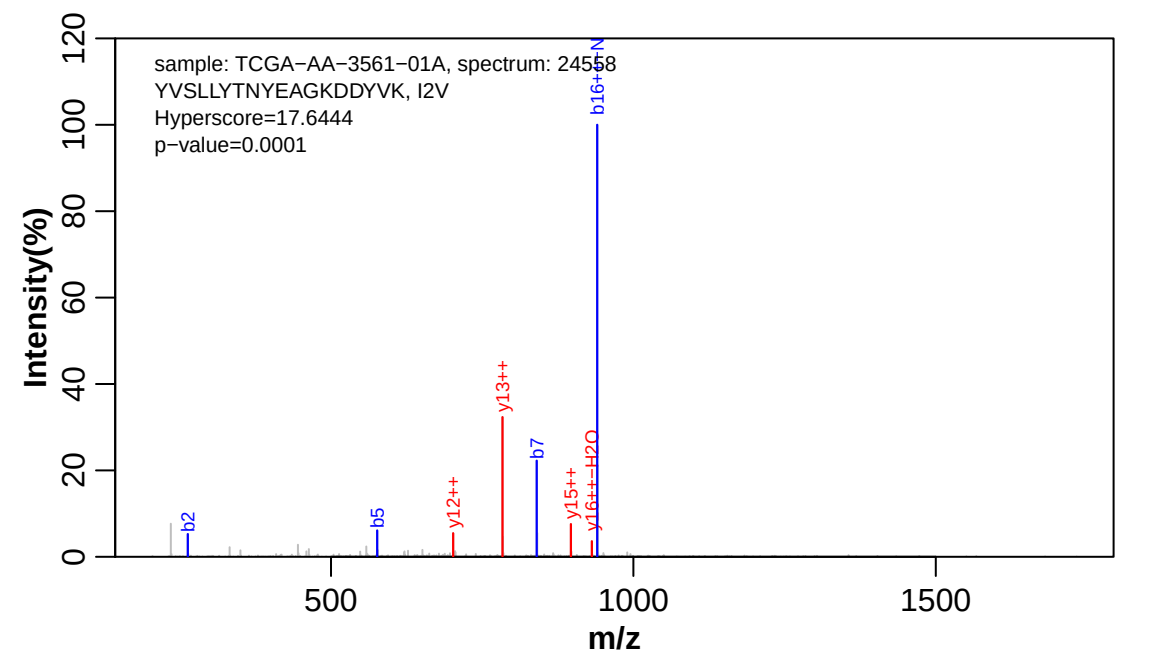

sample: TCGA−AA−3561−01A, spectrum: 96757
VPSFETAEGLGAELK, T12A
Hyperscore=55.2316
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
y3−NH3
b4
y4
y5
b5−H2O
b5−NH3
b5
y6
y7
y7−H2O
b7
y8
b8
y9−H2O
y9
b9
y10
b10
b11−H2O
y11
b12−H2O
b12
y12−NH3
b13
y13
b14−NH3
b14

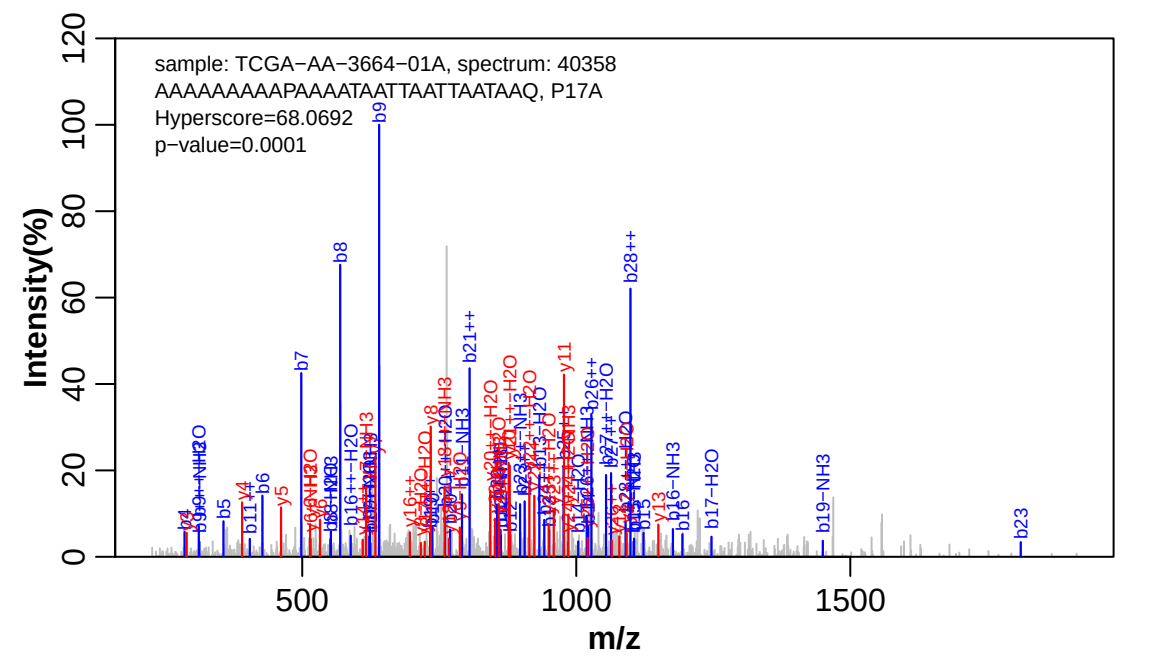

sample: TCGA−AA−3561−01A, spectrum: 28653
VPVTQATR, L3V
Hyperscore=24.8676
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1−NH3
y1−H2O
y1
b2
y2
b3
y3−H2O
y3
b4
y4
b5
y5
y6
b7−H2O
b7
y7

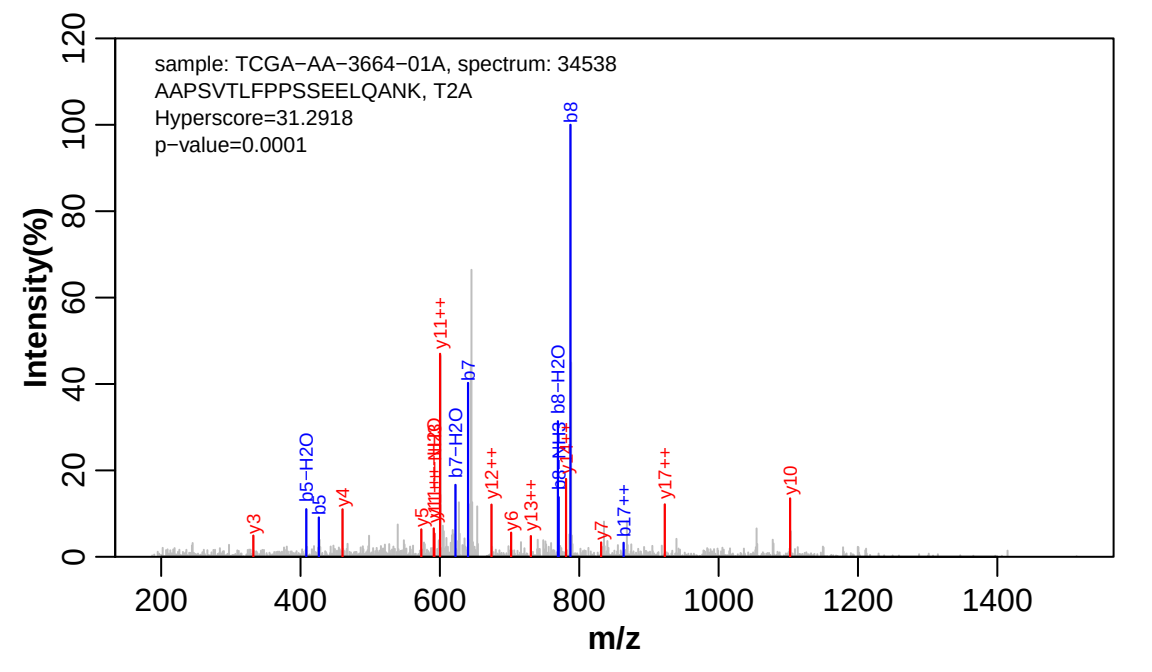

sample: TCGA−AA−3561−01A, spectrum: 53900
VQLPTESLQELLDLHR, T7S
Hyperscore=13.8031
p−value=0.0008
y13++
y14++
b2−NH3
b2
b3
b11++
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
m/z

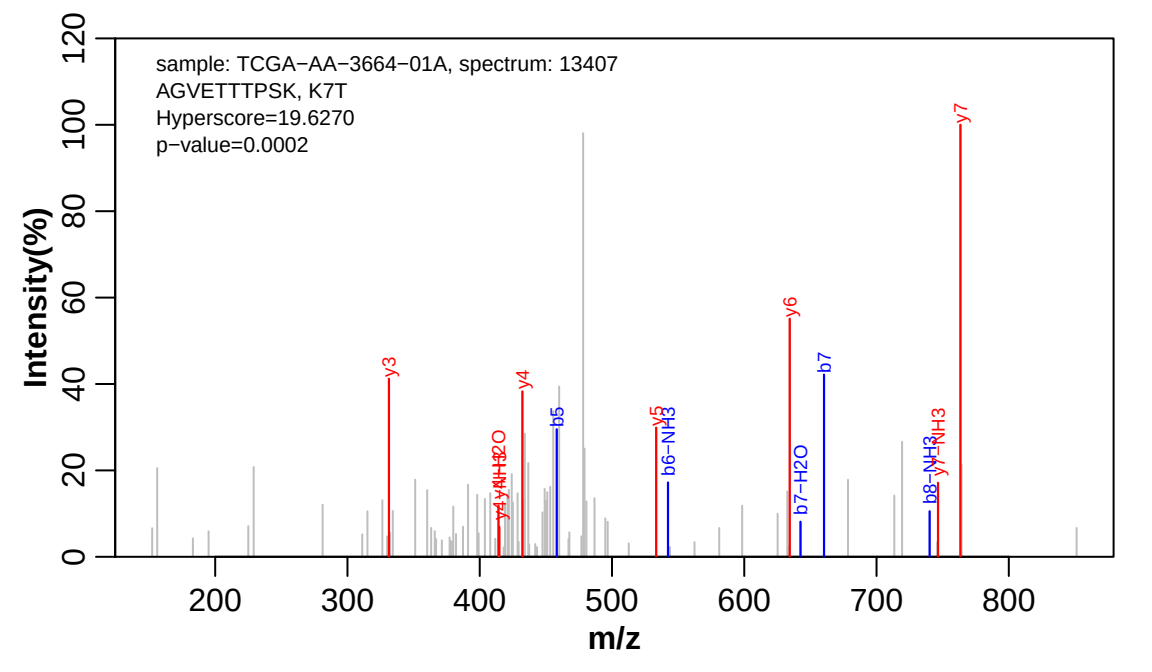

sample: TCGA−AA−3561−01A, spectrum: 66054
VSDLAATAYK, N2S
Hyperscore=47.6195
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4
b5−H2O
b5
y4
b6−H2O
y5
b6
y6−H2O
y6
b7−H2O
b7
b8−H2O
b8
y7
y8
b9−H2O
b9
y9−H2O
y9

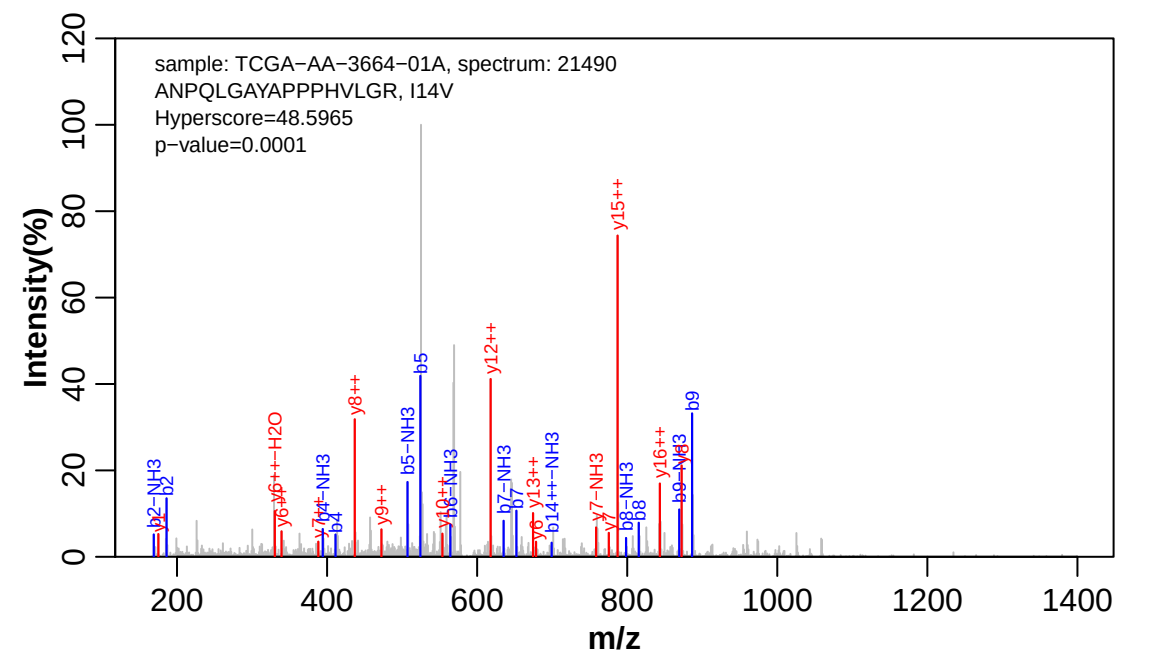

sample: TCGA−AA−3561−01A, spectrum: 42406
YFHPYLAYCSNEVYQQR, H1Y
Hyperscore=51.4764
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
y5
y2
y9
y10
y11
b3
b4−NH3
b9
b10
b12++
b13++
b12++−NH3
b13++−H2O
y13++
b8
y8−NH3
b8++−H2O
b9++
b10++
y8++−H2O
y8++−NH3
b3−NH3

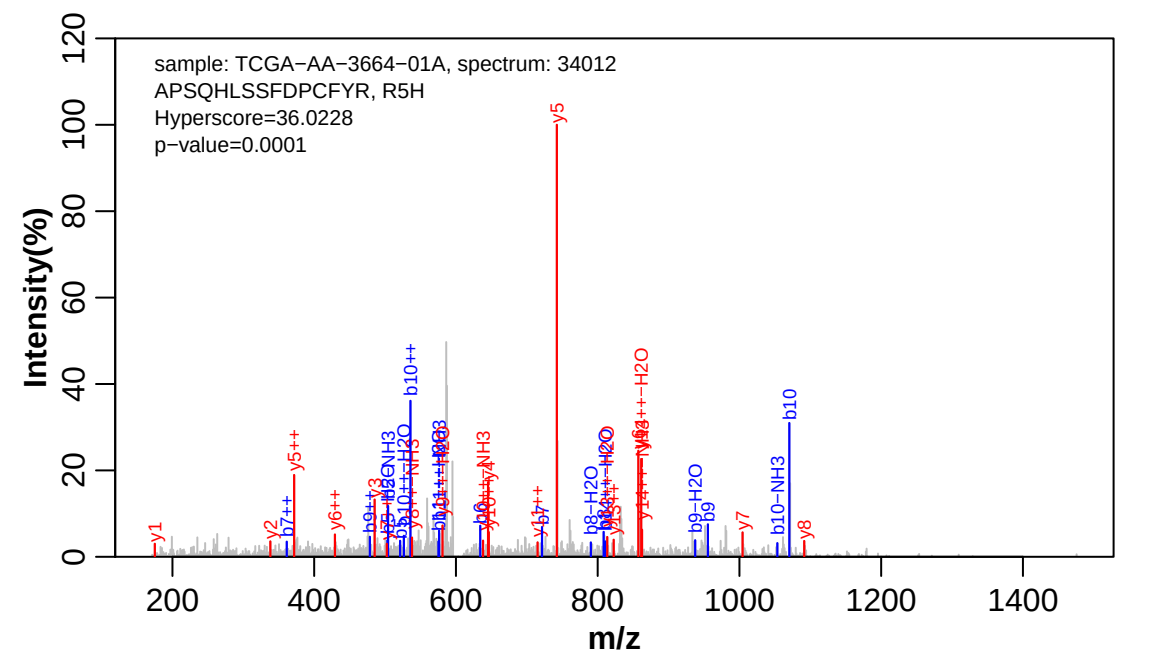

sample: TCGA−AA−3561−01A, spectrum: 24558
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=17.6444
p−value=0.0001
b16+-N
y13++
b7
y15++
y16++-H2O
y12++
b5
b2
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

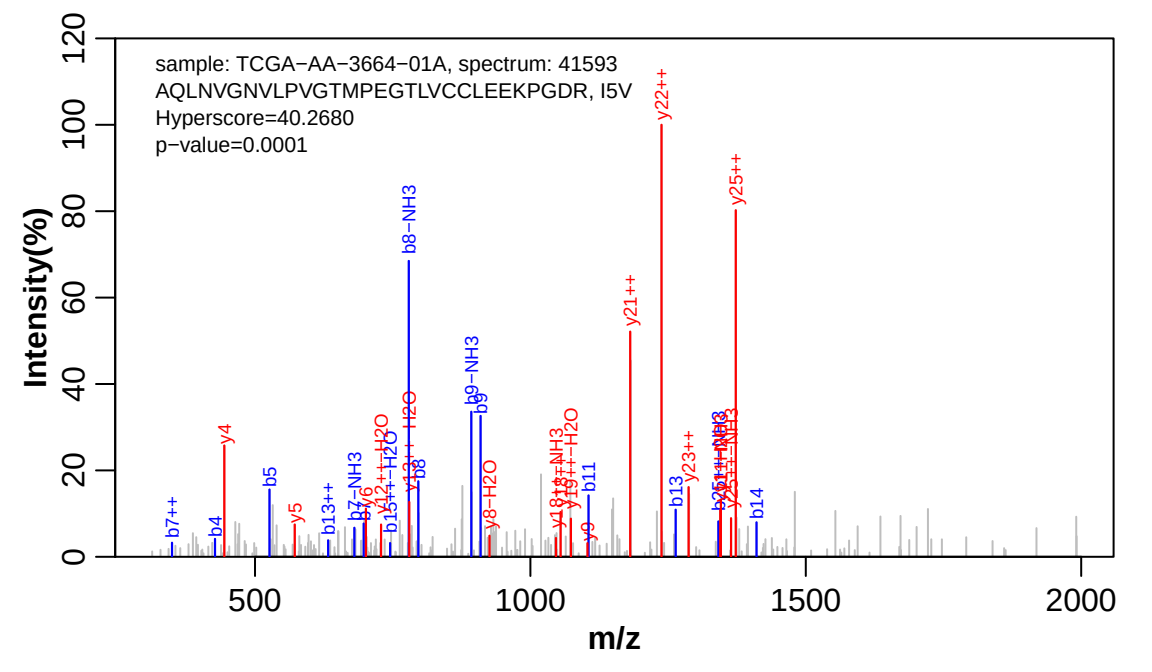

sample: TCGA−AA−3664−01A, spectrum: 40358
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=68.0692
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9
b8
b7
b28++
b21++
b26++
b19−NH3
b17−H2O
b16−NH3
b23
y11
y8
y5
b6
b5
b4

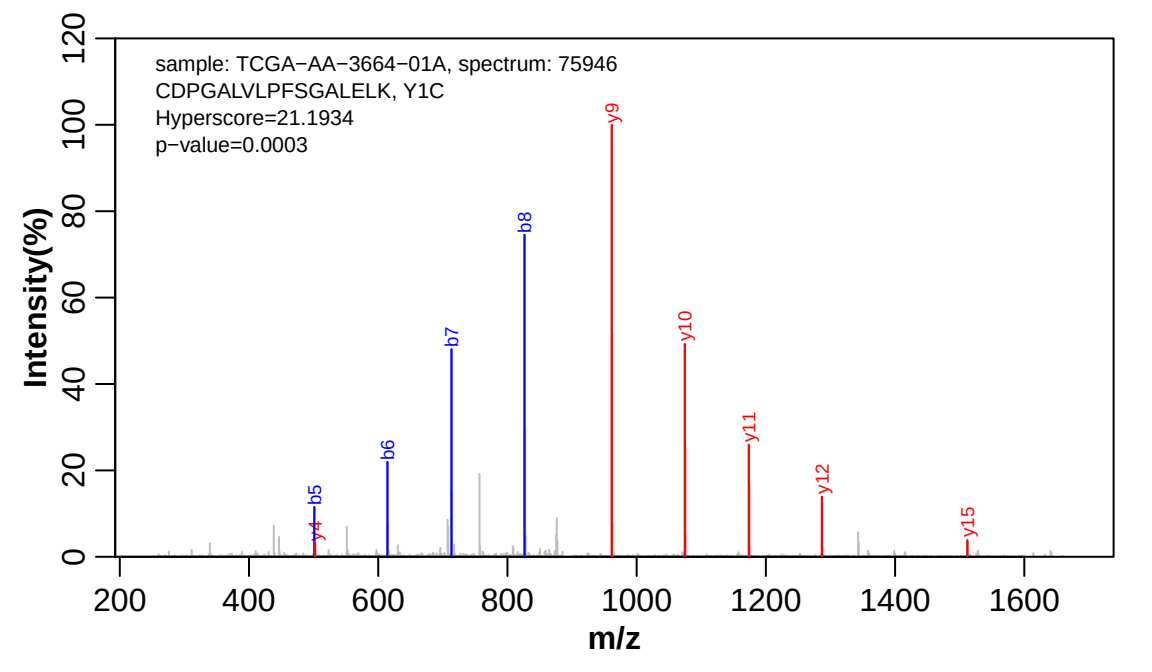

sample: TCGA−AA−3664−01A, spectrum: 34538
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=31.2918
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b8
y11++
b7
b8−H2O
b7−H2O
b5−H2O
b5
y4
y3
y12++
y6
y13++
y7
b17++
y17++
y10

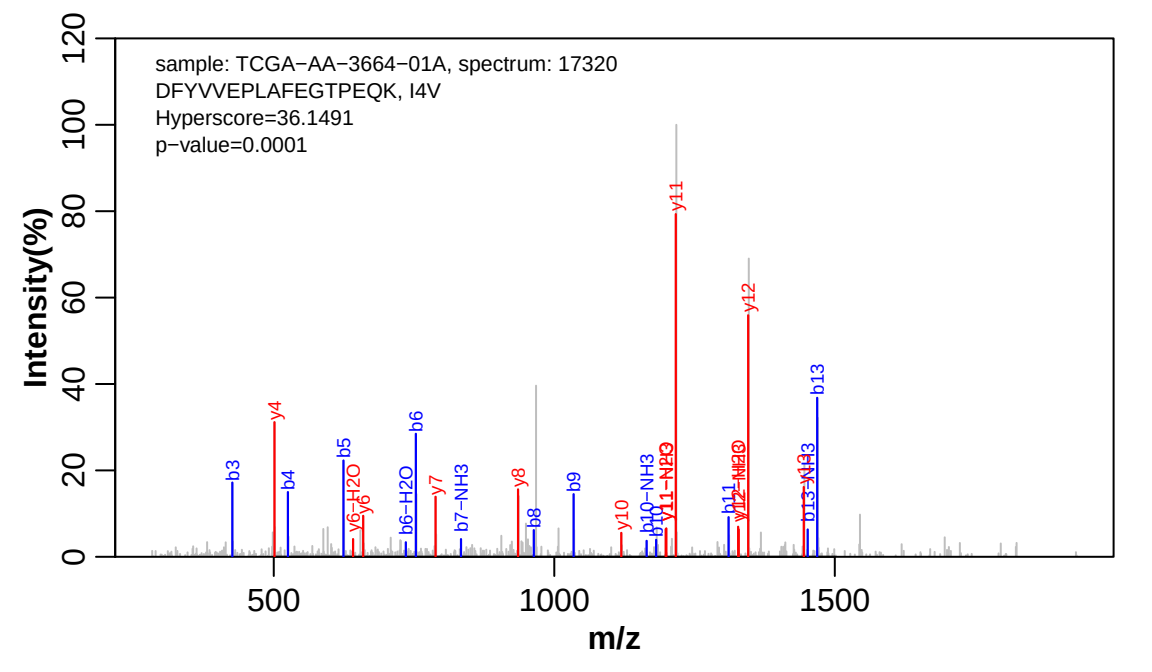

sample: TCGA−AA−3664−01A, spectrum: 13407
AGVETTTPSK, K7T
Hyperscore=19.6270
p−value=0.0002
Intensity(%)
m/z
y3
y4
b5
y5
b6−NH3
y6
b7
b7−H2O
b8−NH3
y7−NH3
y7
y4−H2O
y4−NH3

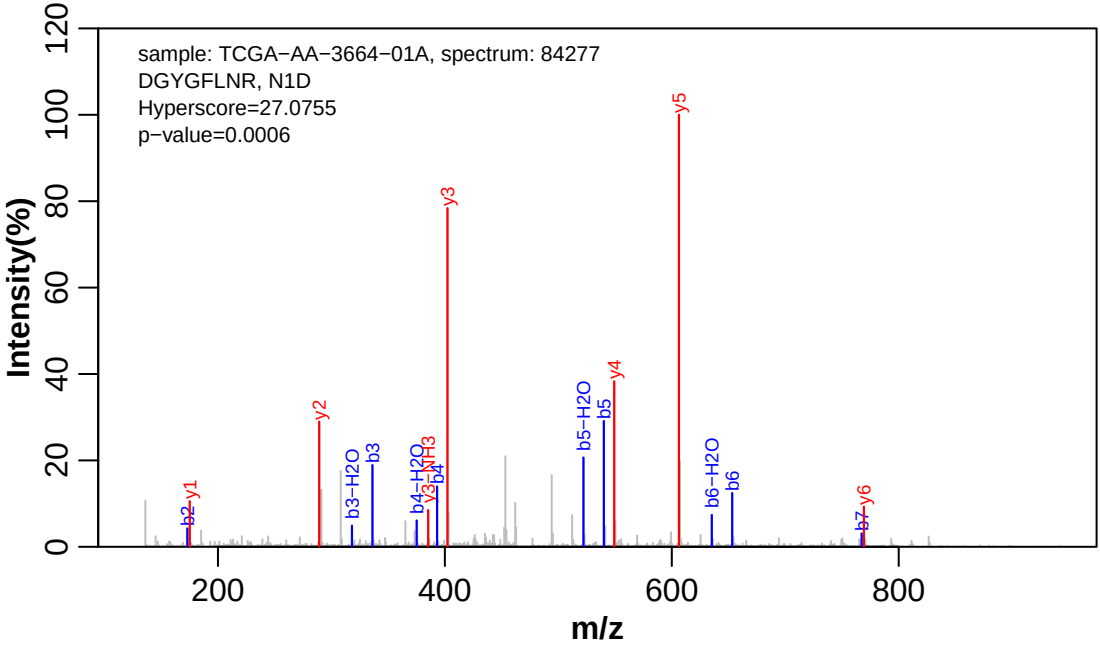

sample: TCGA−AA−3664−01A, spectrum: 21490
ANPQLGAYAPPPHVLGR, I14V
Hyperscore=48.5965
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−NH3
b2
y6++−H2O
y6++
y7++−NH3
b4
y9++
y8++
b5−NH3
b5
y10++
b6−NH3
y12++
b7−NH3
b7
y13++
y6
b14++−NH3
y15++
y7−NH3
y7
b8−NH3
b8
y16++
b9−NH3
b9

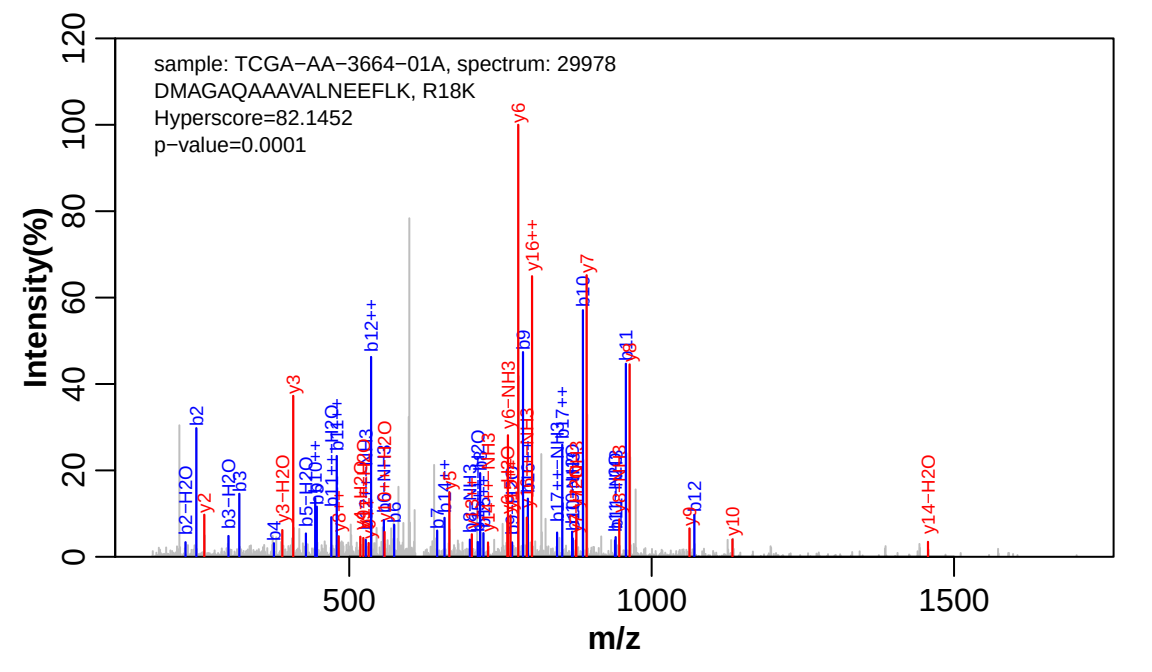

sample: TCGA−AA−3664−01A, spectrum: 34012
APSQHLSSFDPCFYR, R5H
Hyperscore=36.0228
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y1
y2
b7++
y5++
y6++
b9++
y3
b8−NH3
b8−H2O
y10++−H2O
y8++−NH3
b10++
y5
y10++−NH3
y6
y10++y7
y11++
y7
b8−H2O
b8++−H2O
y14++−H2O
b9−H2O
b9
y7
b10−NH3
b10
y8

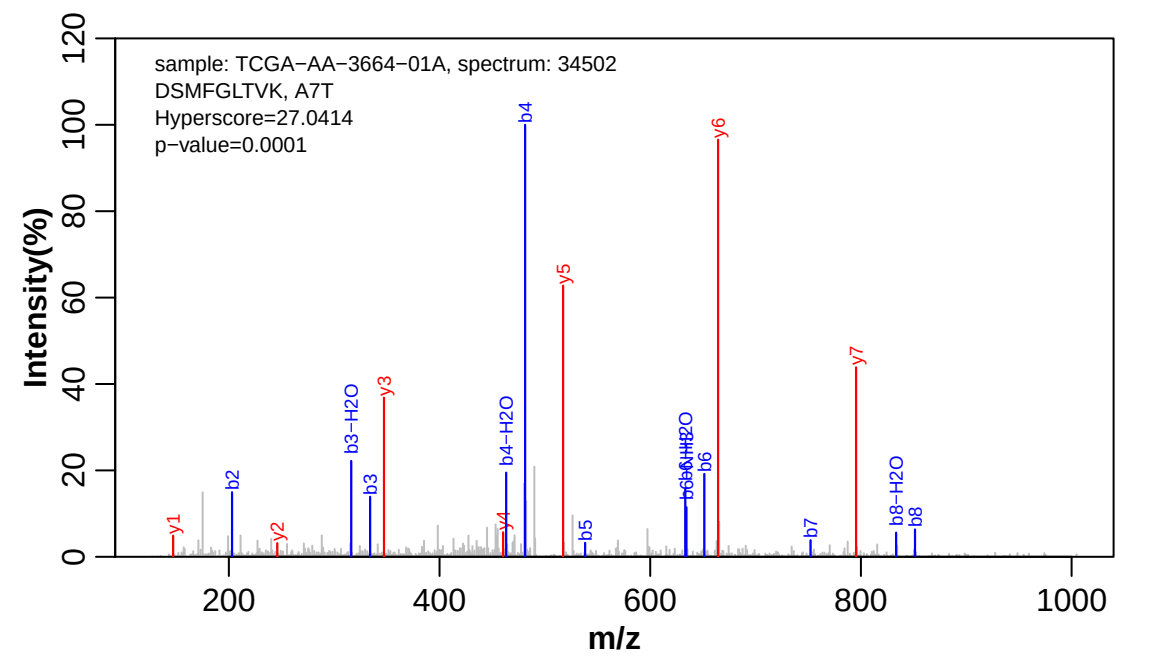

sample: TCGA−AA−3664−01A, spectrum: 41593
AQLNVGNVLPVGTMPEGTLVCCLEEKPGDR, I5V
Hyperscore=40.2680
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b7++
b4
y4
b5
y5
b13++
b7−NH3
b6
b12++−H2O
b13++−H2O
b8−NH3
b8
b9−NH3
b9
y8−H2O
y18++−NH3
y18++
y19++−H2O
y9
b11
y21++
b13
y23++
b25++−NH3
y25++−NH3
y25++
b14
y22++
y25++

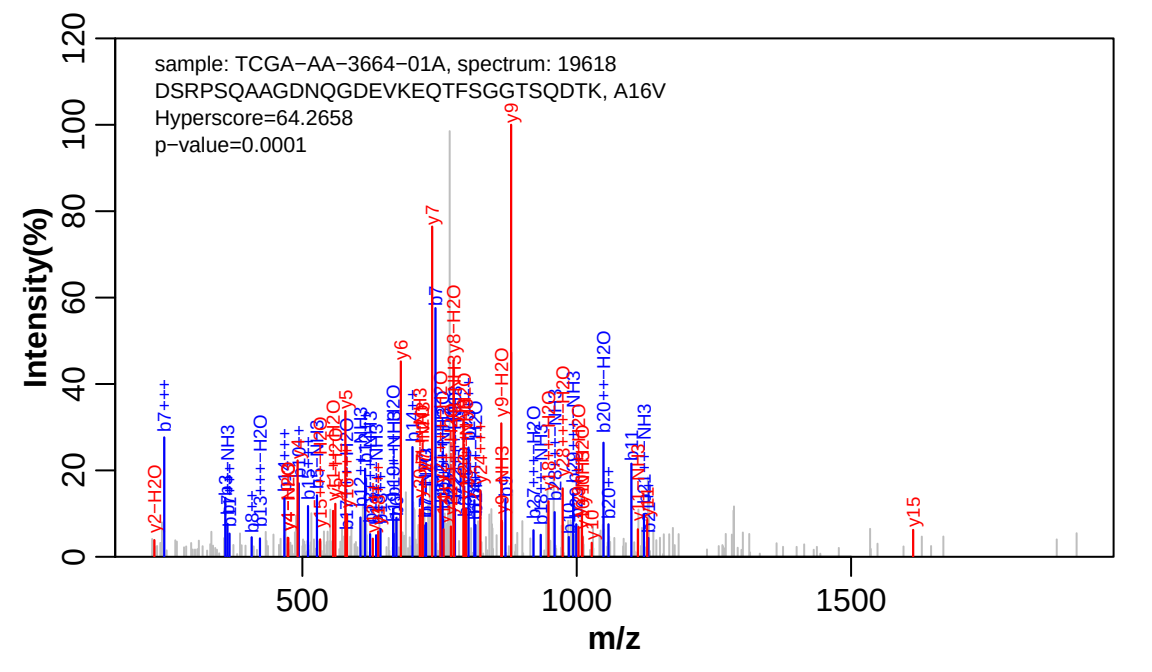

sample: TCGA−AA−3664−01A, spectrum: 75946
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.1934
p−value=0.0003
Intensity(%)
m/z
y9
b8
b7
y10
b6
y11
y12
b5
y4
y15

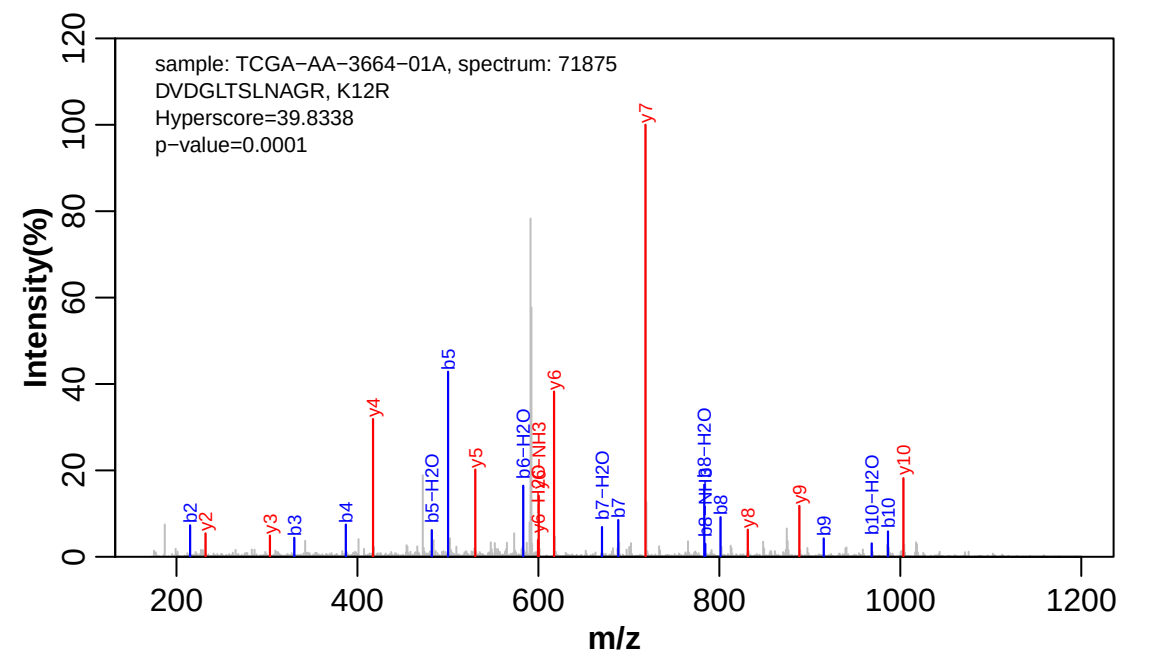

sample: TCGA−AA−3664−01A, spectrum: 17320
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=36.1491
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
y6−H2O
b5
b6−H2O
b6
y7
b7−NH3
y8
b8
b9
y10
b10−NH3
y11−NH3
y11
y12−NH3
y12
b11
b13−NH3
b13

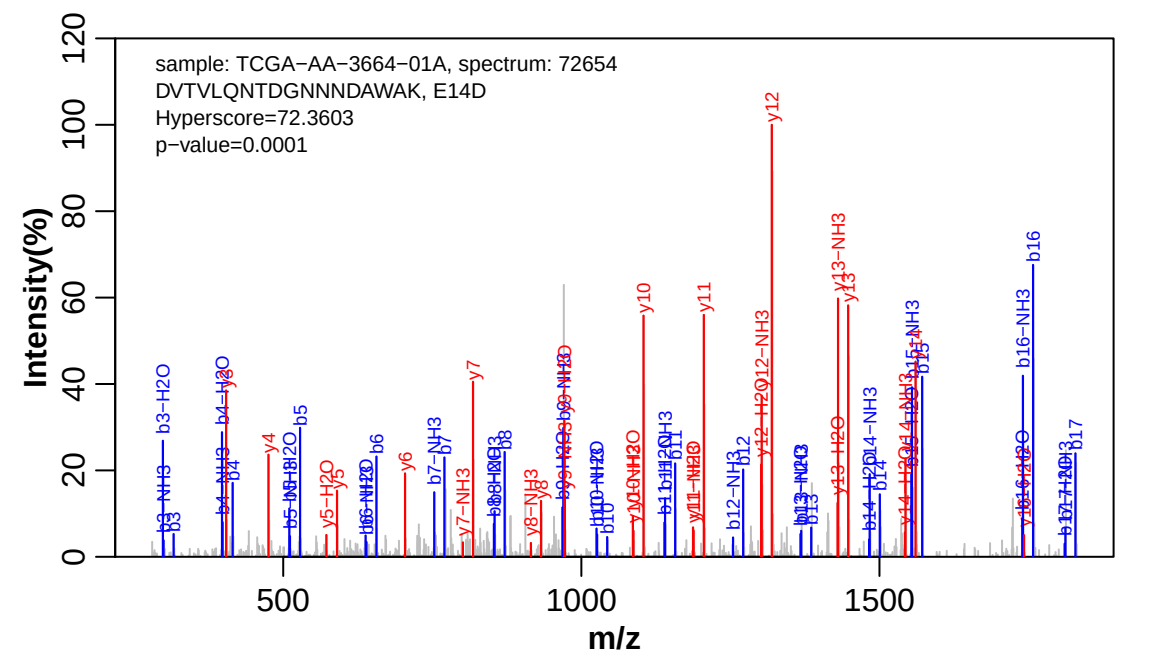

sample: TCGA−AA−3664−01A, spectrum: 84277
DGYGFLNR, N1D
Hyperscore=27.0755
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y5
y3
y4
y2
b5−H2O
b5
b6−H2O
b6
b3−H2O
b3
b4−H2O
y3−NH3
b4
b2
y1
b7
y6

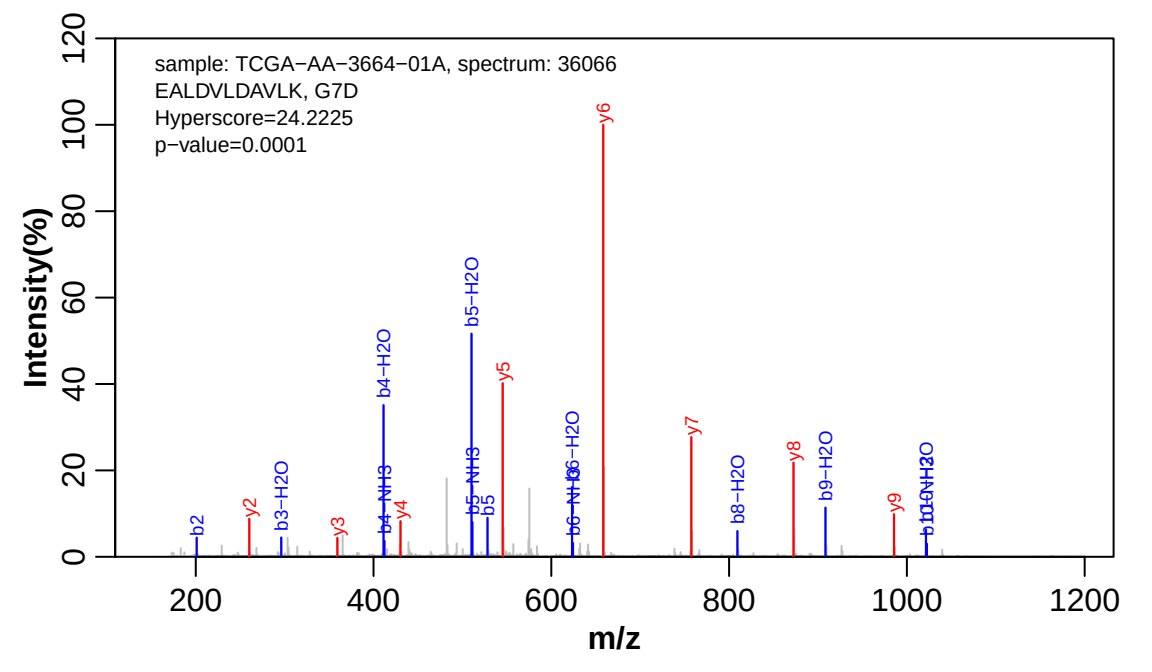

sample: TCGA−AA−3664−01A, spectrum: 29978
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=82.1452
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2−H2O
b2
y2
b3−H2O
b3
b4
y3−H2O
y3
b5−H2O
b5
b6−H2O++
b11++−H2O++
y8++
b12++
y6−NH3
y16++
y7
b10
b9
b11
b17++−NH3
b14++
y5
y12
y10
y14−H2O

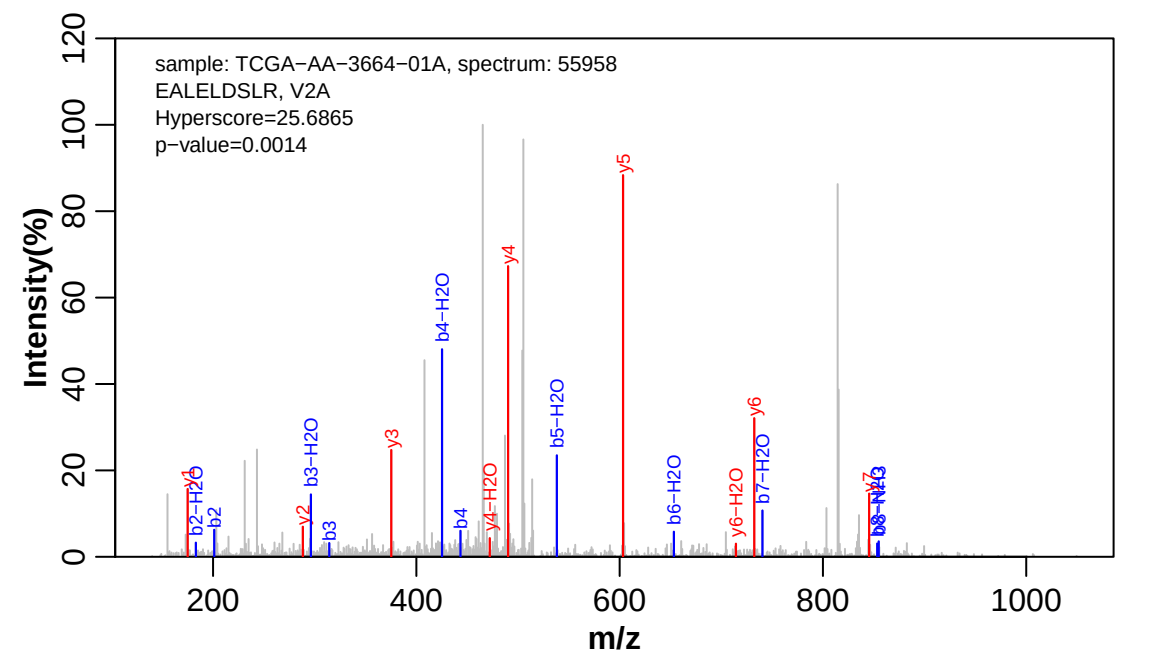

sample: TCGA−AA−3664−01A, spectrum: 34502
DSMFGLTVK, A7T
Hyperscore=27.0414
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3−H2O
b3
y3
b4−H2O
y4
b4
y5
b5
b6−NH3
b6−H2O
b6
y6
b7
y7
b8−H2O
b8

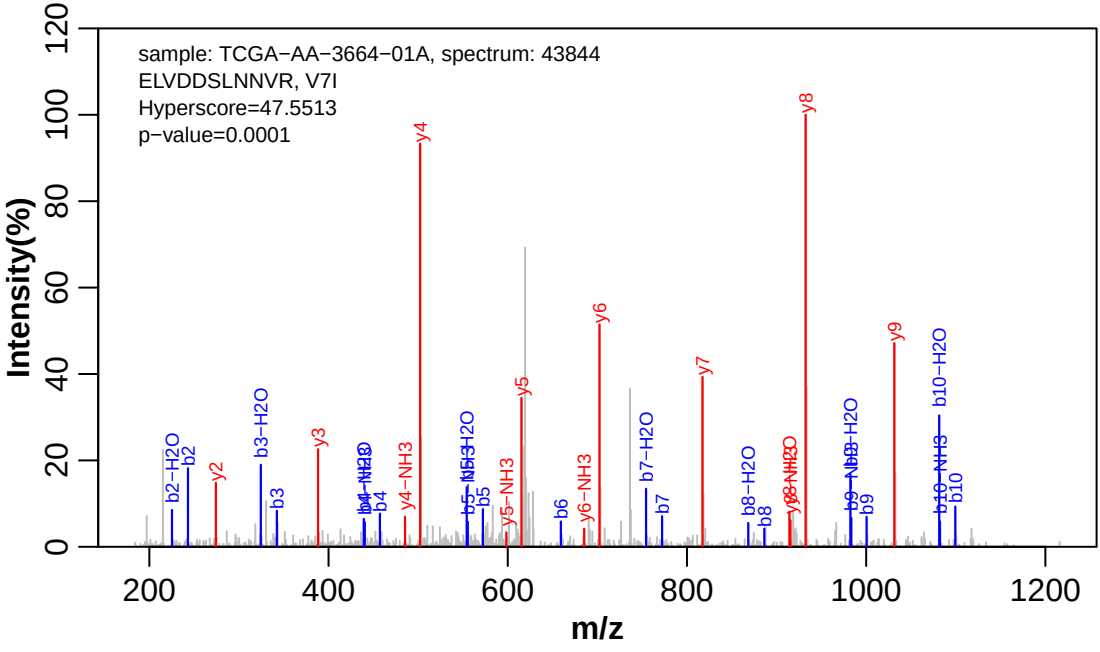

sample: TCGA−AA−3664−01A, spectrum: 19618
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=64.2658
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y7
y6
y15
b7+++
y2−H2O
y8−H2O
y9−H2O
y9−NH3
b20++−H2O
b20++
b7++−NH3
b7++−H2O
b8++
b13+++−H2O
b13+++
y4−NH3
y4+++
b13++
b13+−NH3
y5+++
y5+++−H2O
y5+++−NH3
y5++
y5++−H2O
y5++−NH3
b12++−NH3
b12++
b12++−H2O
b9+−H2O
b9+−NH3
b9+
y6++
y6++−H2O
y6++−NH3
b14++
b14++−H2O
b14++−NH3
b7
b7++
b7++−H2O
b7++−NH3
y8−NH3
y8−H2O
y9−NH3
y9−H2O
b27+++−H2O
b27+++−NH3
b27+++
b28+++−H2O
b28+++−NH3
b28+++
b20++
b21
b21++−NH3
b21++
y15

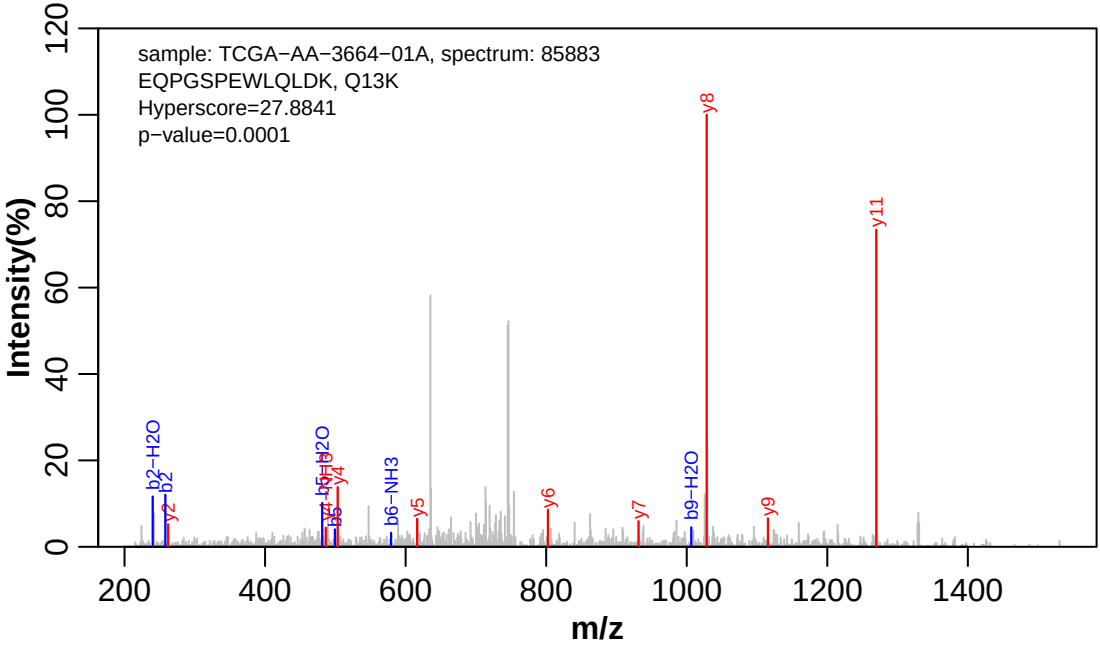

sample: TCGA−AA−3664−01A, spectrum: 71875
DVDGLTSLNAGR, K12R
Hyperscore=39.8338
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6−NH3
y6−H2O
y6
b7−H2O
b7
y7
b8−NH3
b8−H2O
b8
y8
y9
b9
b10−H2O
b10
y10

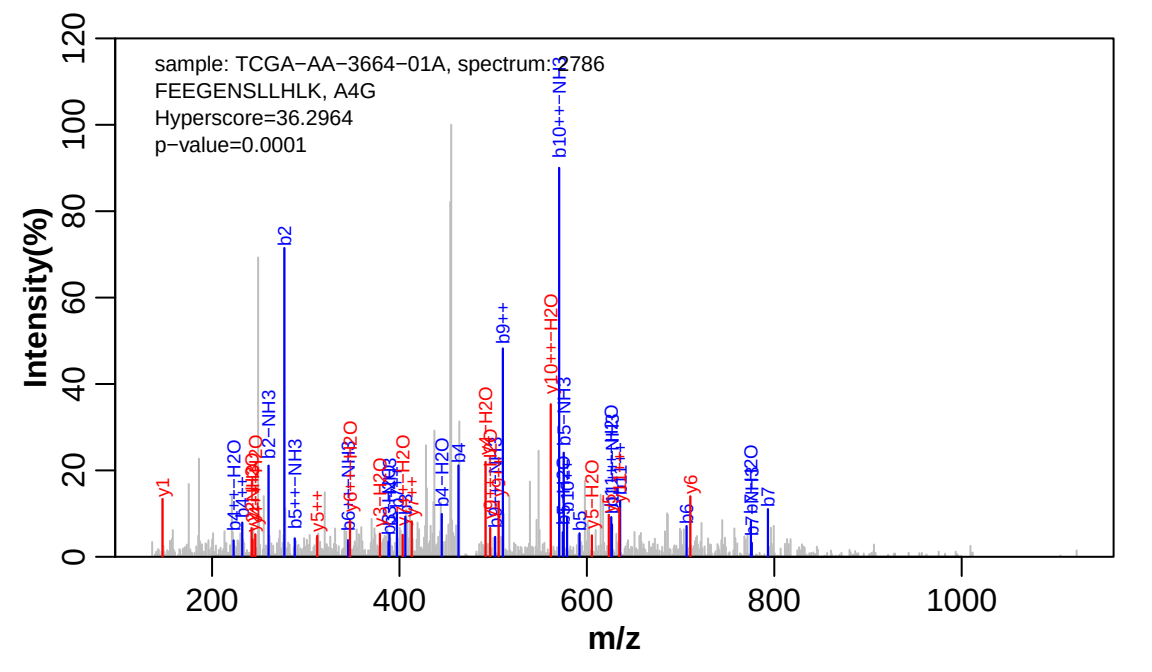

sample: TCGA−AA−3664−01A, spectrum: 72654
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=72.3603
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y13−NH3
y13
b16
b16−NH3
y10
y11
y7
y6
y5
b5
b6
b7−NH3
b7
y7−NH3
y8−NH3
y8
y12−NH3
y12−H2O
y13−H2O
b12−NH3
b12
b14−NH3
b14
b15−NH3
b15
b17
b3−H2O
b3−NH3
b3
b4−H2O
b4−NH3
b4
y4
y5−H2O

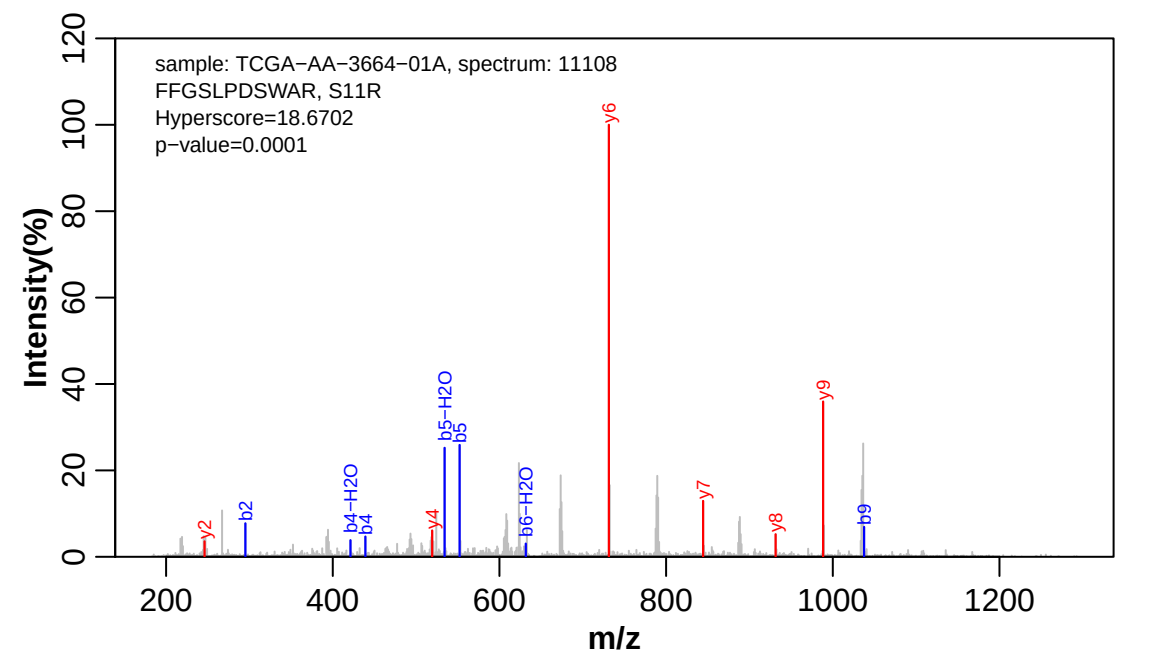

sample: TCGA−AA−3664−01A, spectrum: 36066
EALDVLDAVLK, G7D
Hyperscore=24.2225
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
y3
b4−NH3
b4−H2O
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6−H2O
y6
y7
b8−H2O
y8
b9−H2O
y9

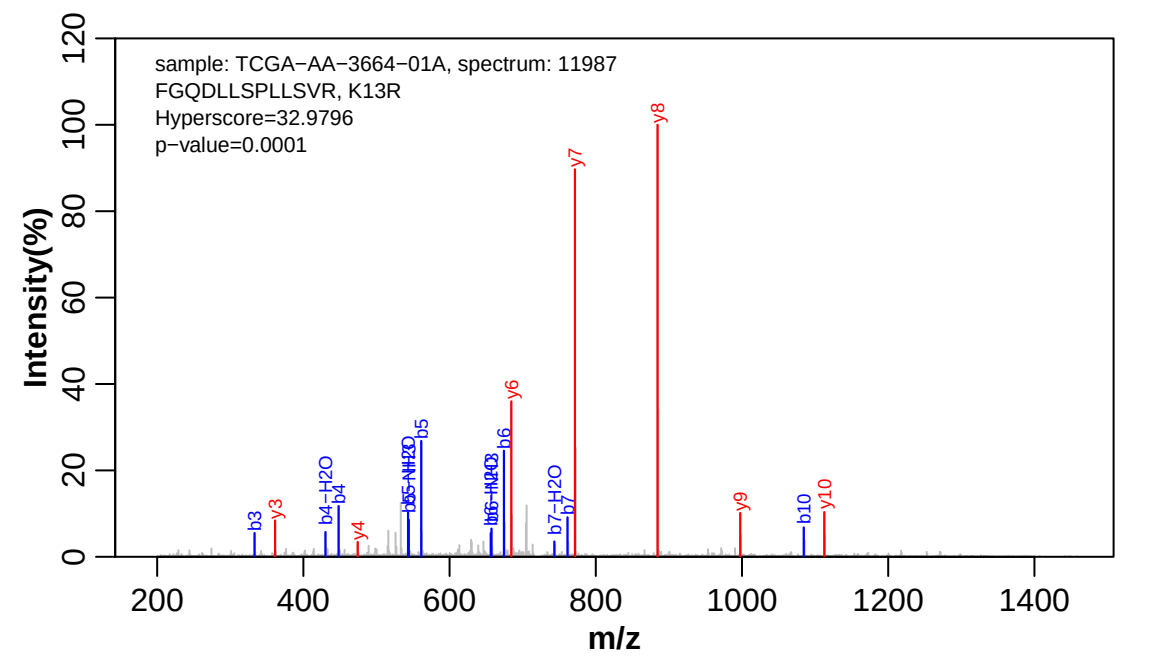

sample: TCGA−AA−3664−01A, spectrum: 55958
EALELDSLR, V2A
Hyperscore=25.6865
p−value=0.0014
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y5
y4
b4−H2O
b5−H2O
y3
b3−H2O
y6
b7−H2O
b6−H2O
y6−H2O
y4−H2O
b4
b2−H2O
b2
y2
b3
y1
b8−NH3
y7

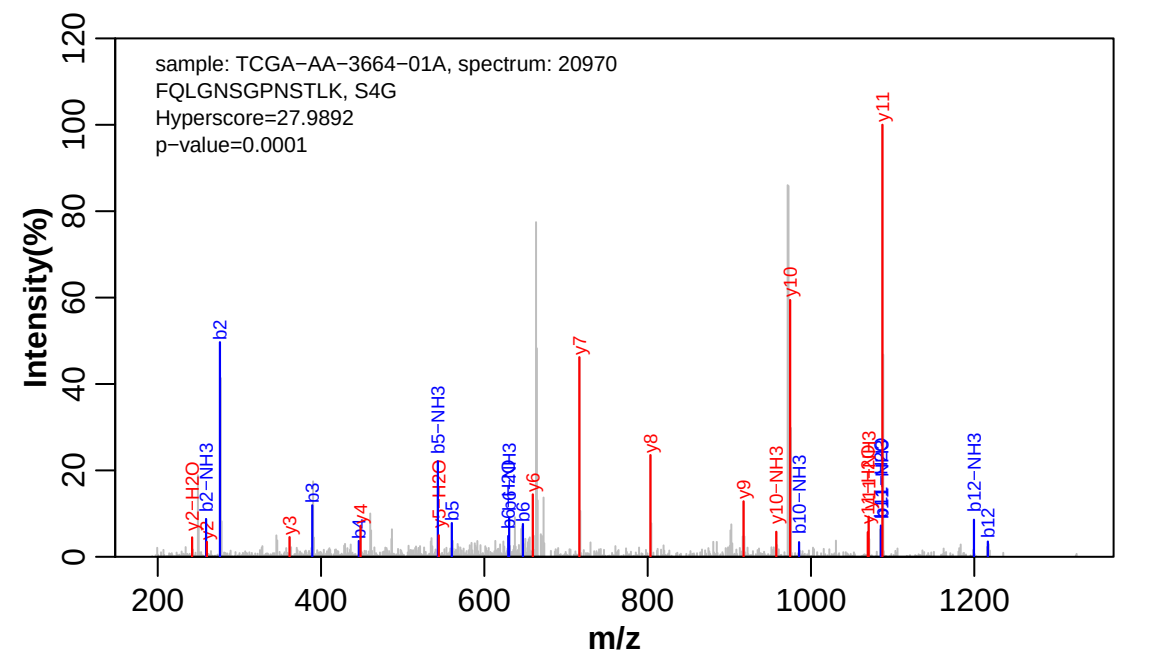

sample: TCGA−AA−3664−01A, spectrum: 43844
ELVDDSLNNVR, V7I
Hyperscore=47.5513
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3
b4−NH3
b4
y4−NH3
y4
b5−NH3
b5−H2O
b5
y5−NH3
y5
b6
y6−NH3
y6
b7−H2O
b7
y7
b8−H2O
b8
y8−NH3
y8
b9−H2O
b9
y9
b10−NH3
b10−H2O
b10

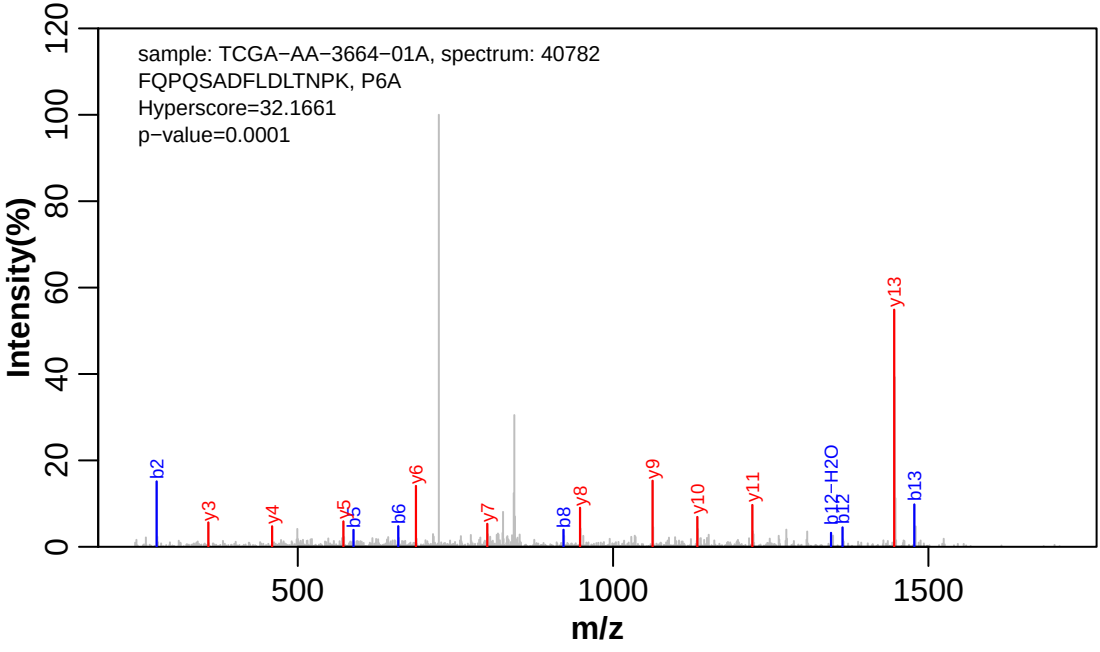

sample: TCGA−AA−3664−01A, spectrum: 85883
EQPGSPEWLQLDK, Q13K
Hyperscore=27.8841
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b2
y2
b5−H2O
y4
b5
y3
b6−NH3
y5
y6
y7
b9−H2O
y8
y9
y11

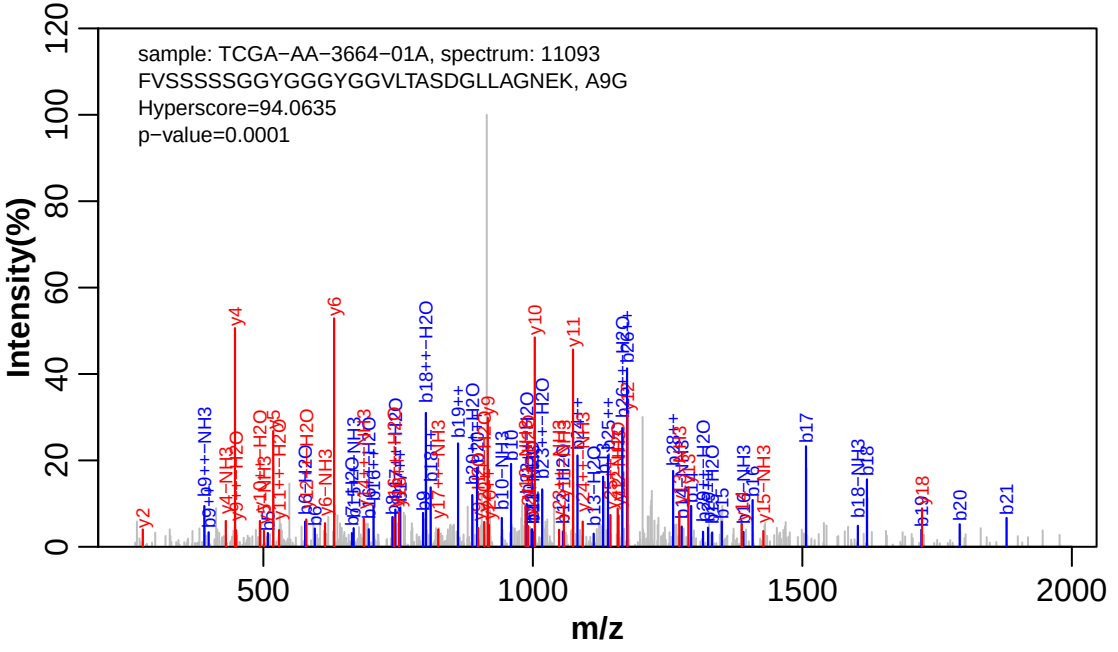

sample: TCGA−AA−3664−01A, spectrum: 2786
FEEGENSLLHLK, A4G
Hyperscore=36.2964
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b2−NH3
b4++−H2O
b5++−NH3
y5++
b6,y6++−NH3
b4−H2O
b4
b9++
y10++−H2O
b10++−NH3
b5−NH3
b5
y5−H2O
y6
b6
b7
b7−NH3

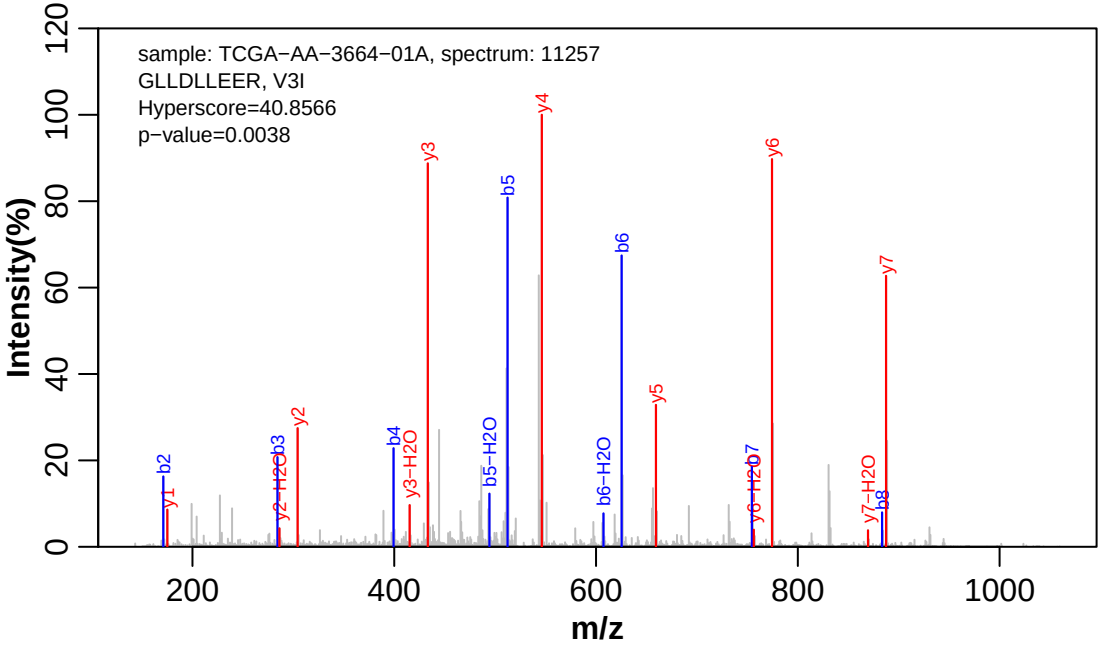

sample: TCGA−AA−3664−01A, spectrum: 11108
FFGSLPDSWAR, S11R
Hyperscore=18.6702
p−value=0.0001
Intensity(%)
m/z
y6
y9
y7
y8
b9
b5−H2O
b5
b4−H2O
b4
b6−H2O
y4
y2
b2

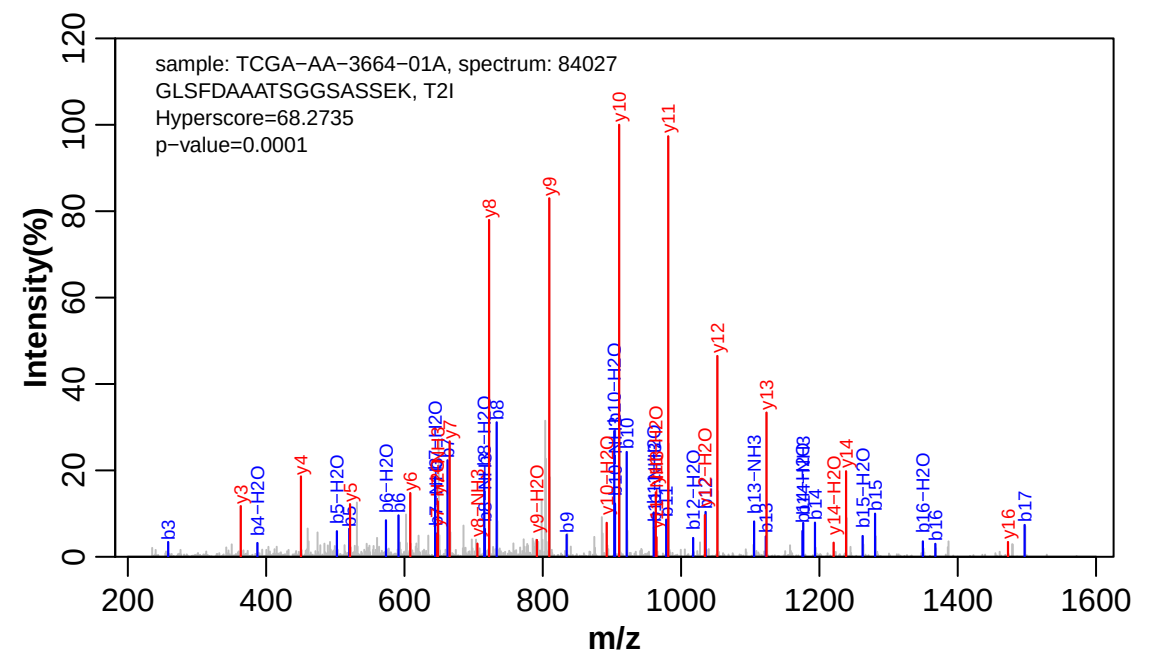

sample: TCGA−AA−3664−01A, spectrum: 11987
FGQDLLSPLLSVR, K13R
Hyperscore=32.9796
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5
y6
b6
b7−H2O
b7
y7
y8
y9
b10
y10

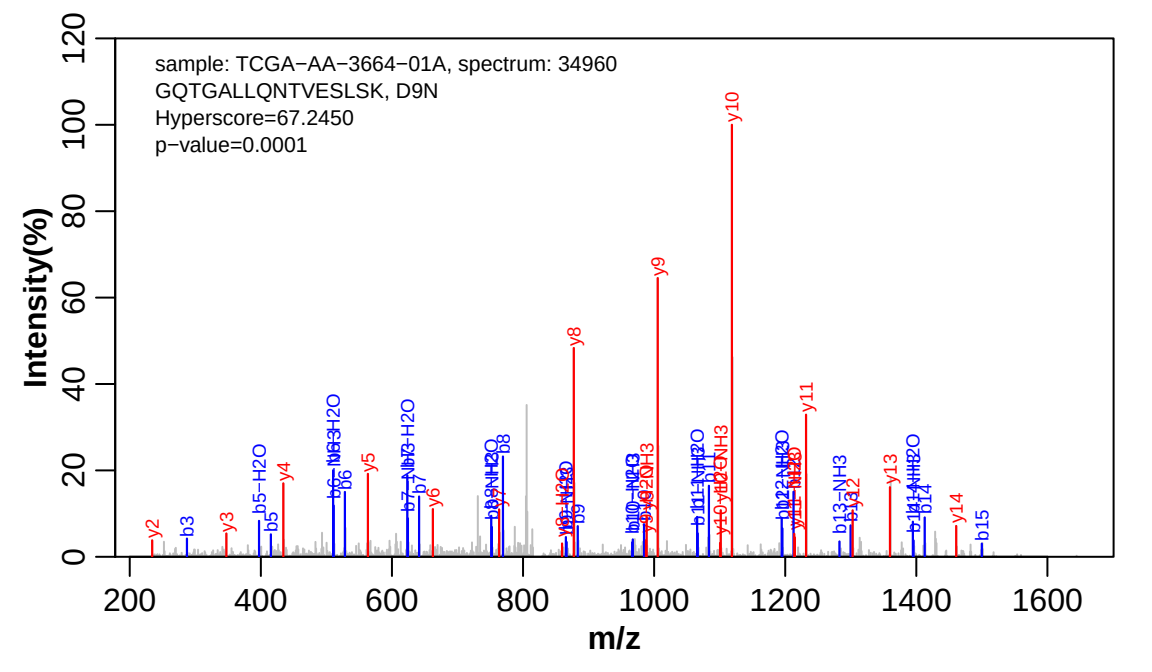

sample: TCGA−AA−3664−01A, spectrum: 20970
FQLGNSGPNSTLK, S4G
Hyperscore=27.9892
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y11
y10
y7
y8
y9
b2
b3
b4
y4
b5
b6
y6
y3
y2
b2−NH3
y2−H2O
b5−NH3
y10−NH3
b10−NH3
b12−NH3
b12

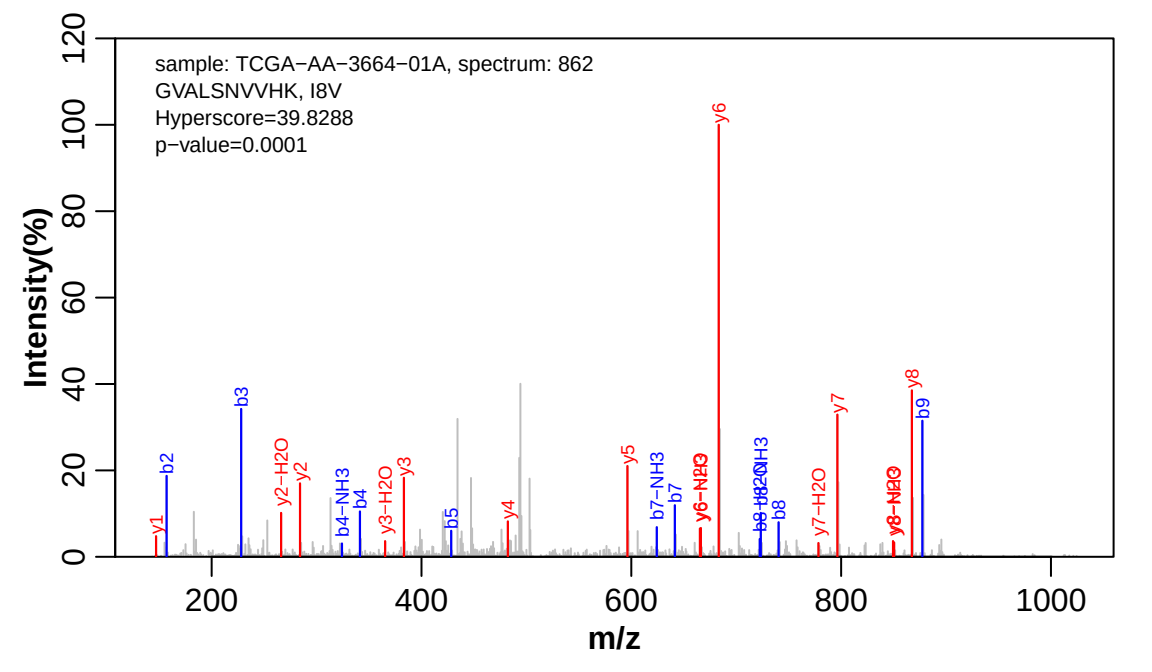

sample: TCGA−AA−3664−01A, spectrum: 40782
FQPQSADFLDLTNPK, P6A
Hyperscore=32.1661
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
y3
y4
y5
b5
b6
y6
y7
b8
y8
y9
y10
y11
b12−H2O
b12
y13
b13

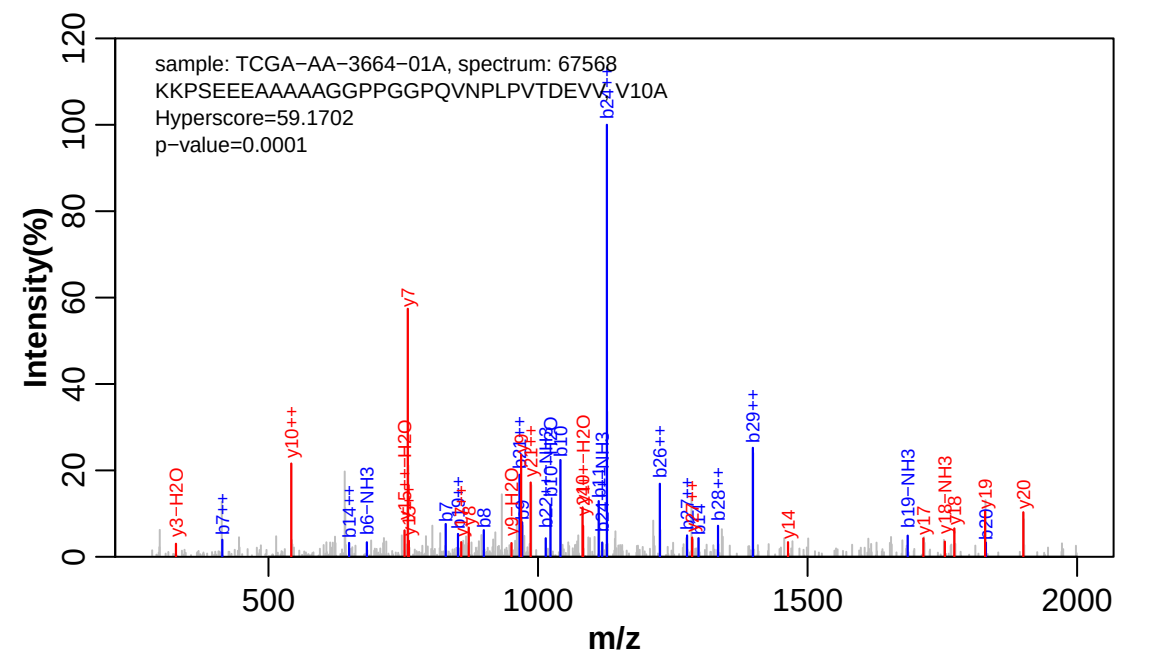

sample: TCGA−AA−3664−01A, spectrum: 11093
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=94.0635
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

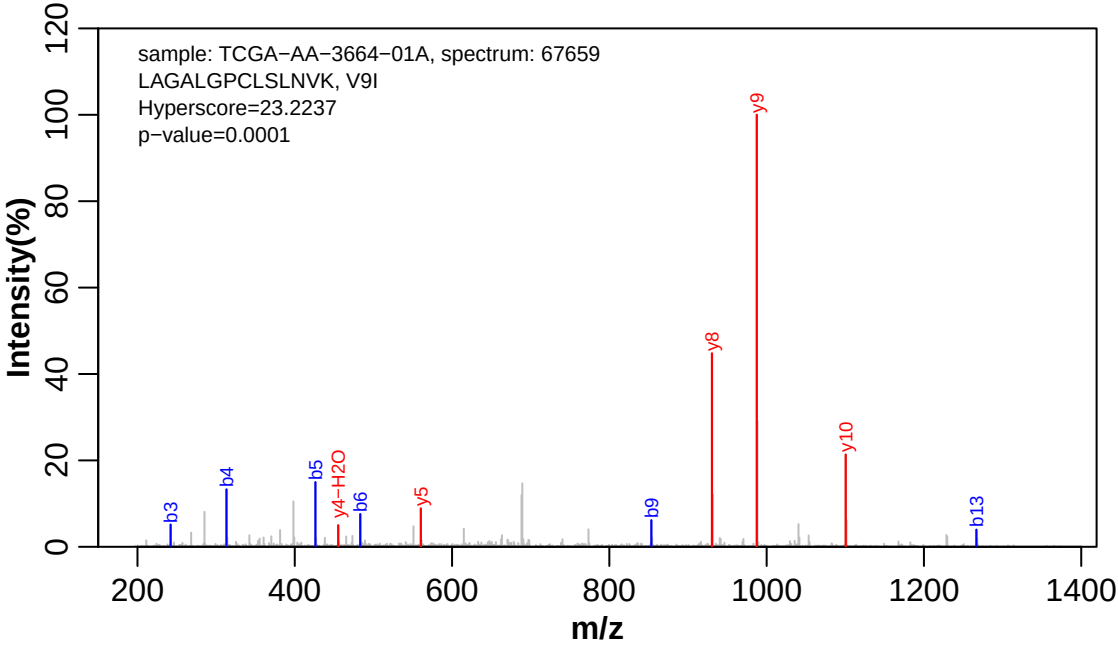

sample: TCGA−AA−3664−01A, spectrum: 11257
GLLDLLEER, V3I
Hyperscore=40.8566
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
y2−H2O
b3
y2
b4
y3−H2O
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
y6−H2O
b7
y6
y7−H2O
b8
y7

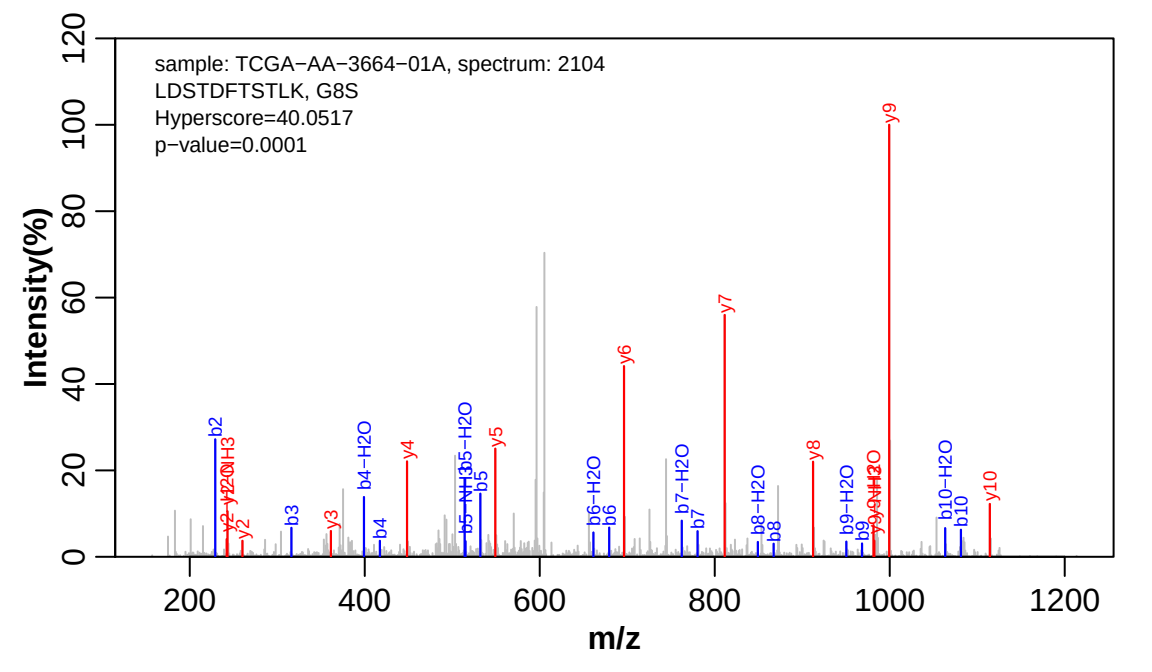

sample: TCGA−AA−3664−01A, spectrum: 84027
GLSFDAAATSGGSASSEK, T2I
Hyperscore=68.2735
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y11
y8
y9
y12
y13
y4
y3
y5
y6
y7
y14
y16
b3
b4−H2O
b5−H2O
b6−H2O
b8
b9
b10
b12−H2O
b13−NH3
b14
b15−H2O
b16−H2O
b17

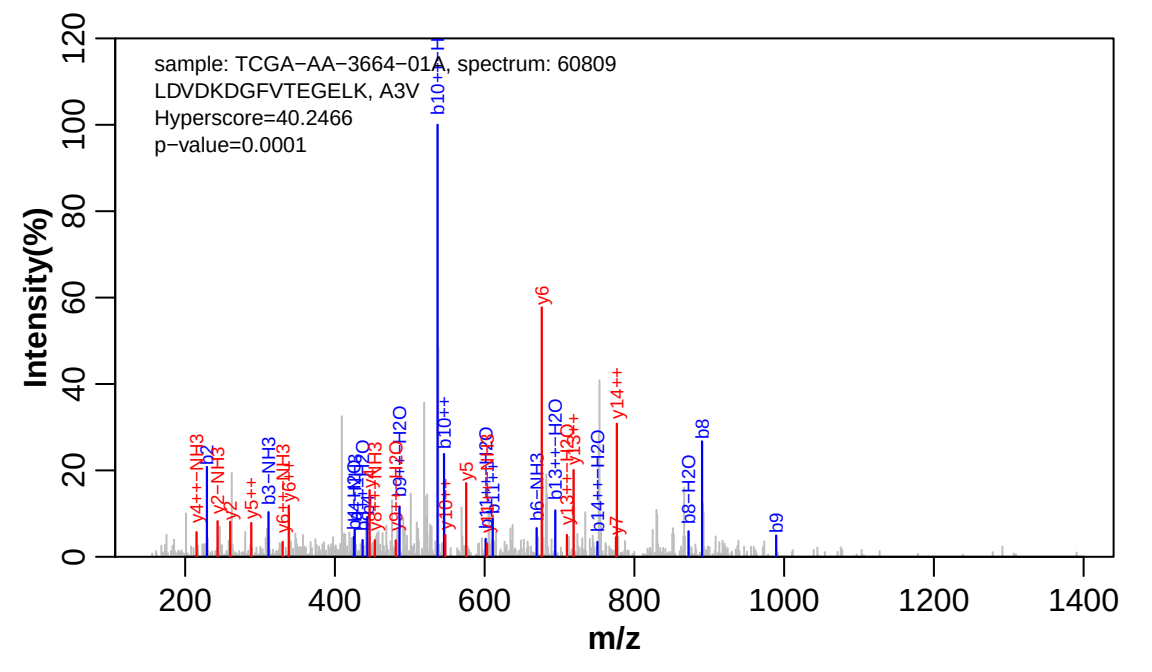

sample: TCGA−AA−3664−01A, spectrum: 34960
GQTGALLQNTVESLSK, D9N
Hyperscore=67.2450
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y5
y4
y6
y3
y2
y13
y14
b15
b3
b5
b13−NH3
b12

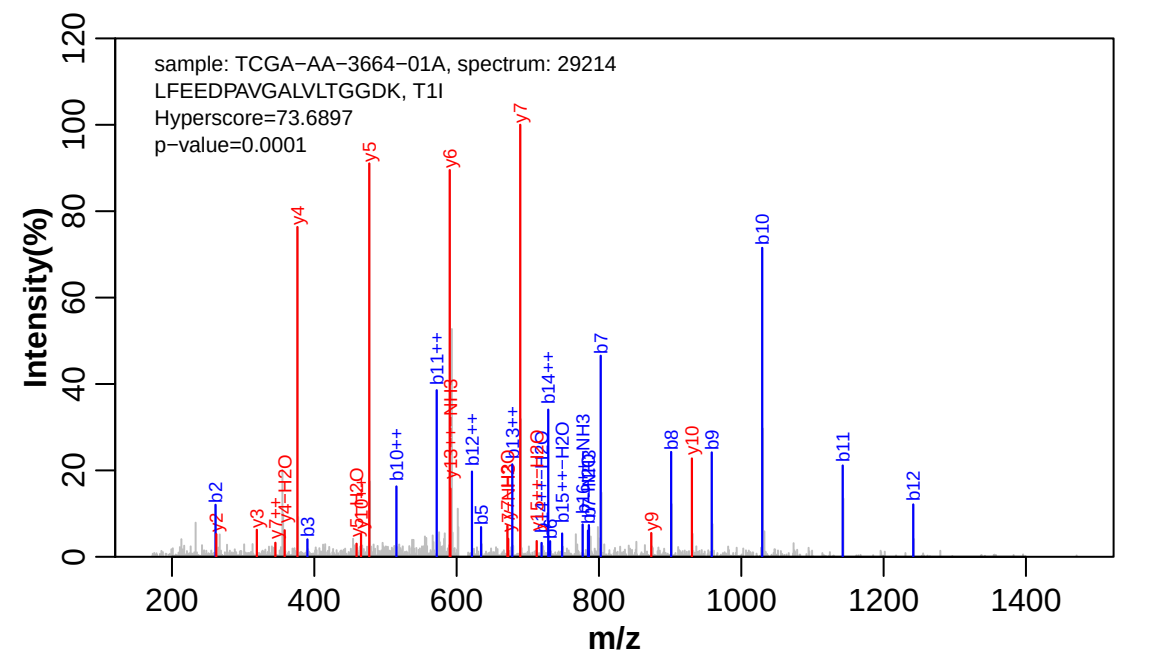

sample: TCGA−AA−3664−01A, spectrum: 862
GVALSNVVHK, I8V
Hyperscore=39.8288
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y2−H2O
y2
b4−NH3
b4
y3−H2O
y3
b5
y4
y5
b7−NH3
b7
y6−NH3
y6
y6−H2O
b8−NH3
b8
y7−H2O
y7
y8−NH3
y8
b9

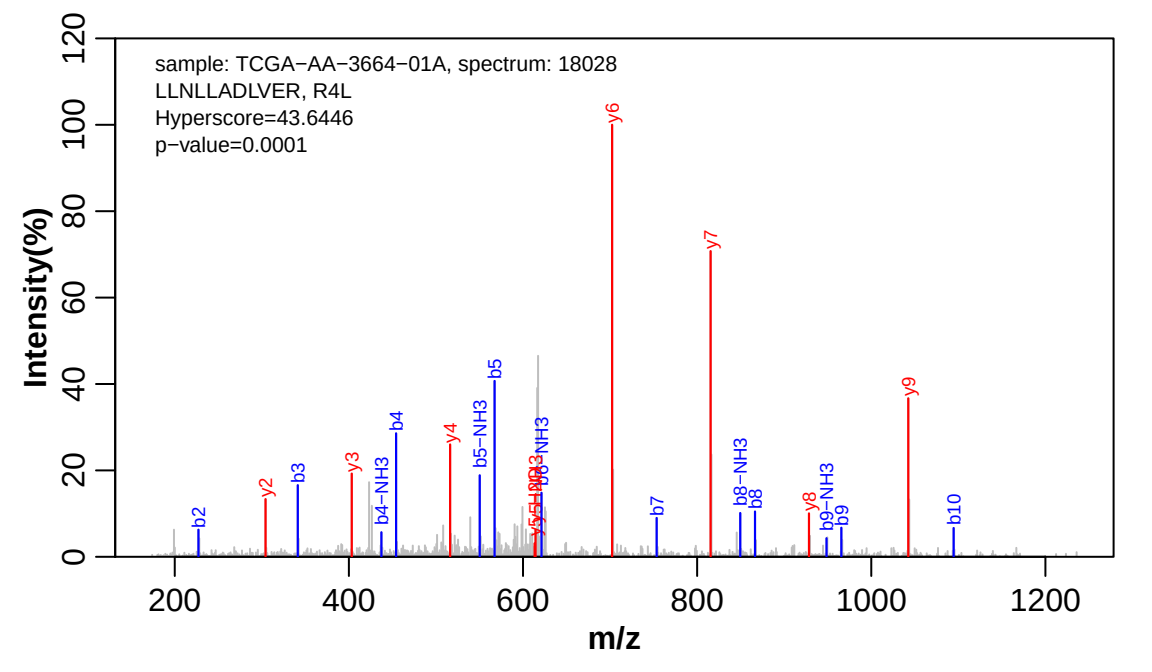

sample: TCGA−AA−3664−01A, spectrum: 67568
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV+V10A
Hyperscore=59.1702
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3−H2O
b7++
y10++
b14++
b6−NH3
y15++−H2O
y7
b7
b8
b9−H2O
b22
b10
b24++
b26++
b28++
b29++
y14
b19−NH3
y17
y18−NH3
b20y19
y20

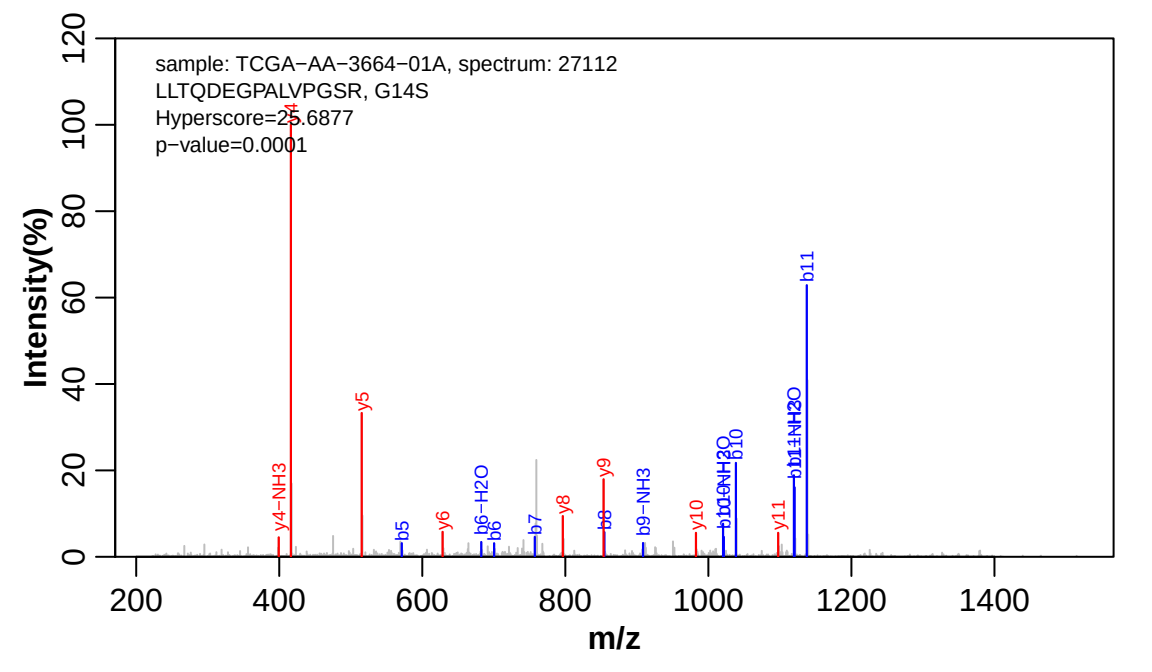

sample: TCGA−AA−3664−01A, spectrum: 67659
LAGALGPCLSLNVK, V9I
Hyperscore=23.2237
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
b4
b5
y4−H2O
b6
y5
b9
y8
y9
y10
b13

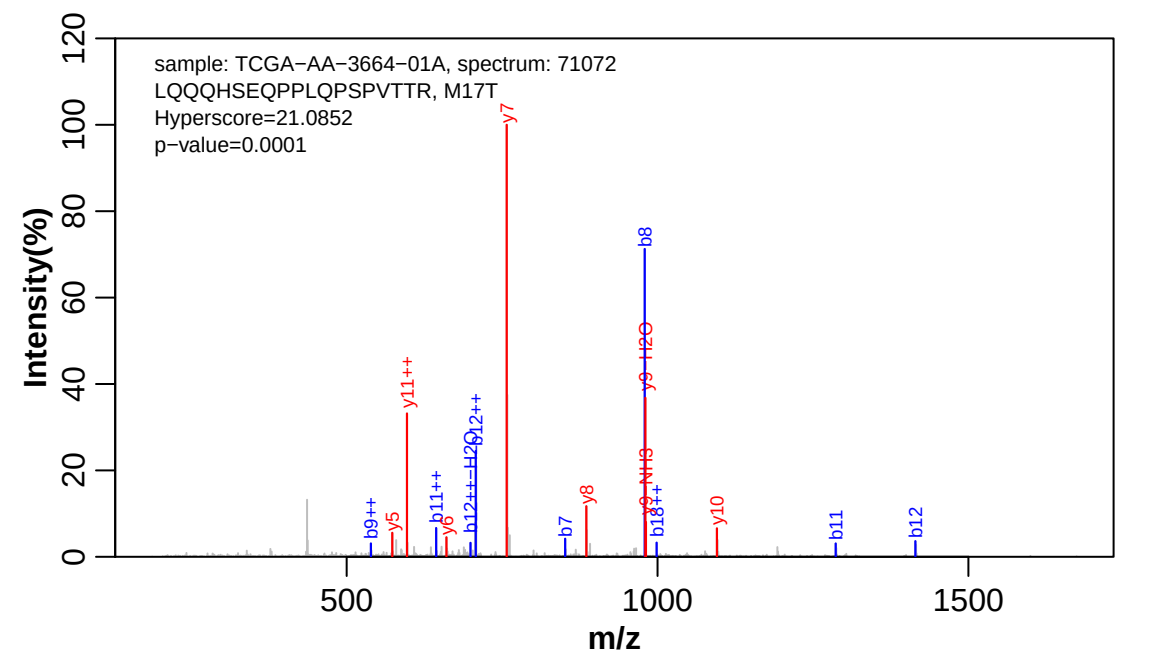

sample: TCGA−AA−3664−01A, spectrum: 2104
LDSTDFTSTLK, G8S
Hyperscore=40.0517
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−H2O
b8
y8
b9−H2O
b9
b10−H2O
b10
y10
y9

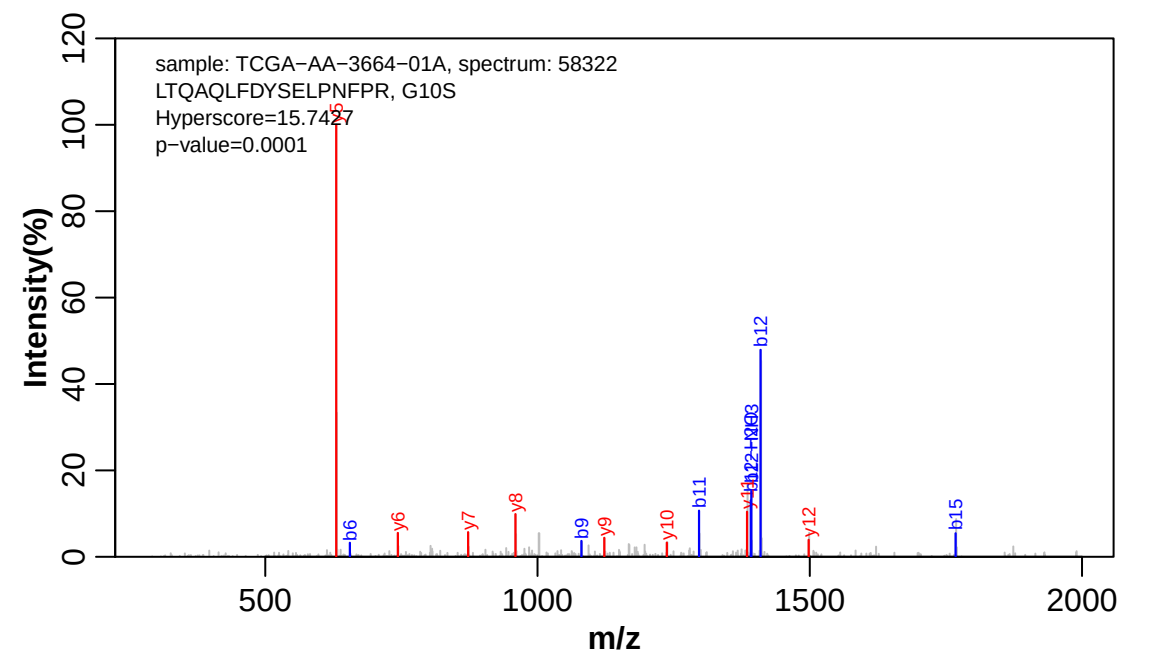

sample: TCGA−AA−3664−01A, spectrum: 60809
LDVDKDGFVTEGELK, A3V
Hyperscore=40.2466
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b10+−H
b10++
y6
y14++
b8
b9
y5
y7
b8−H2O
b14++−H2O
b6−NH3
b13++−H2O
y13++
y13++−H2O
b11++−NH3
y10++
y5++
b3−NH3
y6+−NH3
y4++−NH3
b2
y2−NH3
y2
y3+−H2O
y3+−NH3
y3+
y8++−NH3
y8++
y9+−H2O

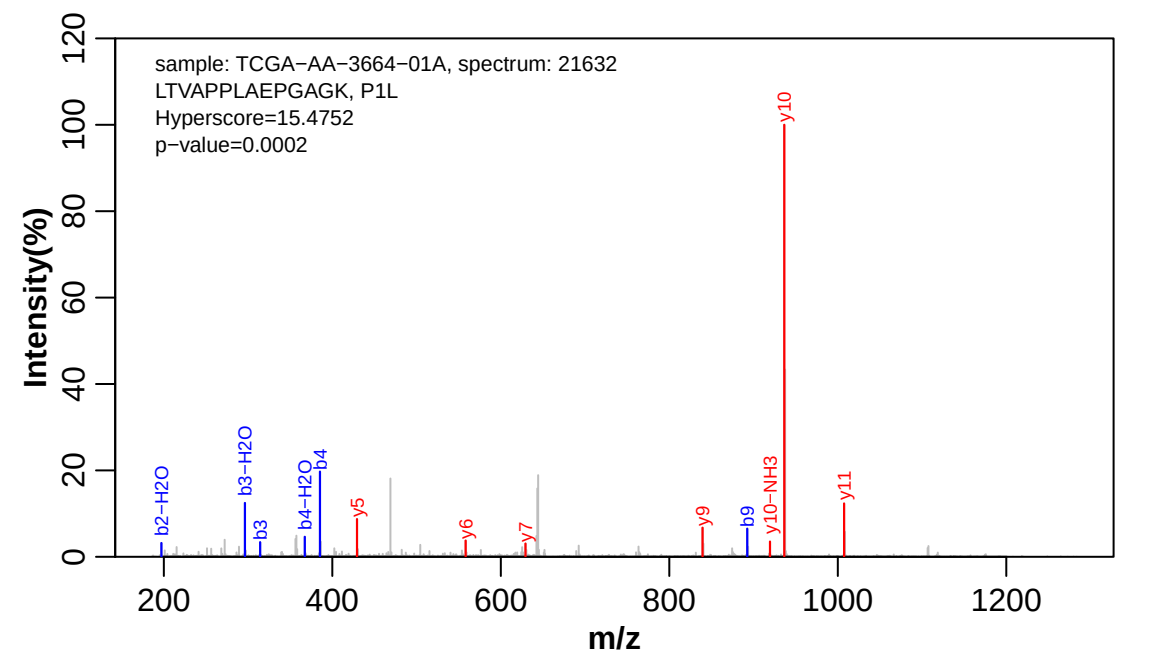

sample: TCGA−AA−3664−01A, spectrum: 29214
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=73.6897
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y5
y6
y4
b10
b11++
b7
b14++
b12++
b10++
b5
b8
y10
b9
b11
b12
y2
b2
y3
y7++
y4−H2O
b3
y9

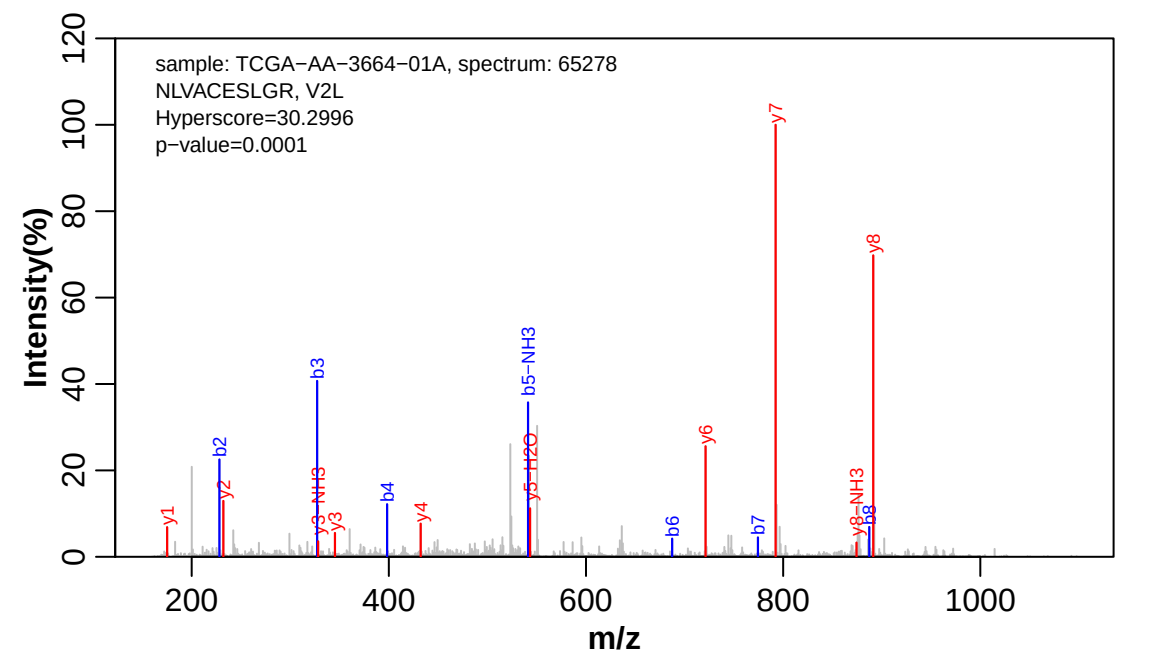

sample: TCGA−AA−3664−01A, spectrum: 18028
LLNLLADLVER, R4L
Hyperscore=43.6446
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y4
y3
y2
b5
b5−NH3
b4
b4−NH3
b3
b2
b7
b8−NH3
b8
y8
b9−NH3
b9
b10

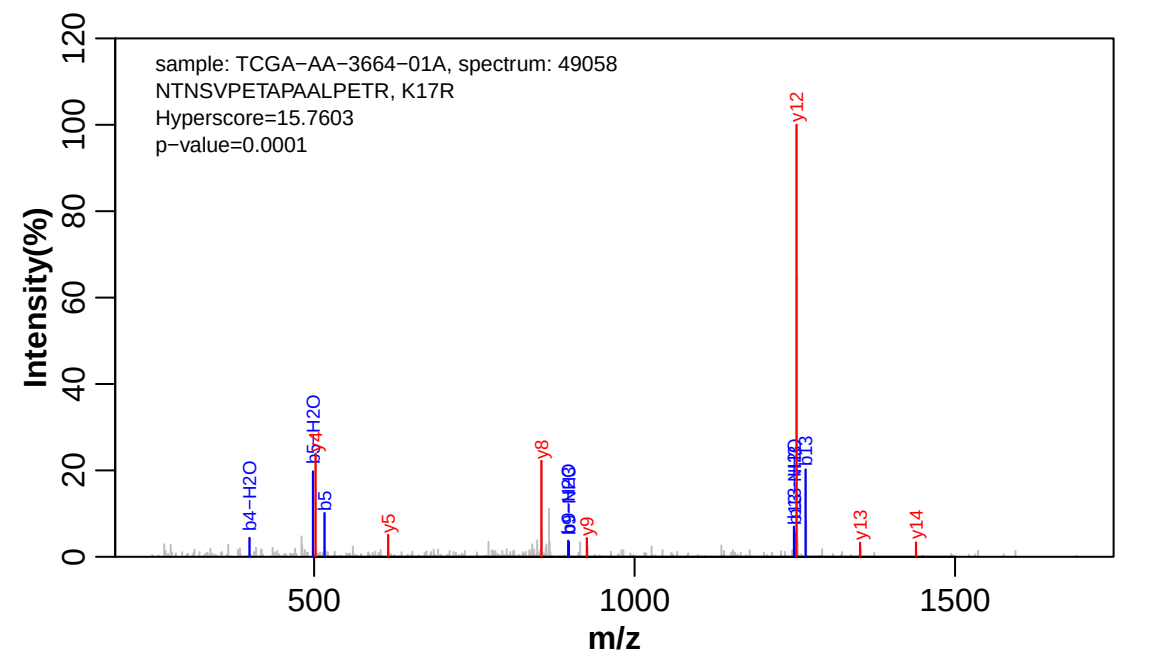

sample: TCGA−AA−3664−01A, spectrum: 27112
LLTQDEGPALVPGSR, G14S
Hyperscore=25.6877
p−value=0.0001
Intensity(%)
m/z
y4−NH3
y4
y5
b5
y6
b6−H2O
b6
b7
y8
y9
b8
b9−NH3
y10
b10
y11
b11

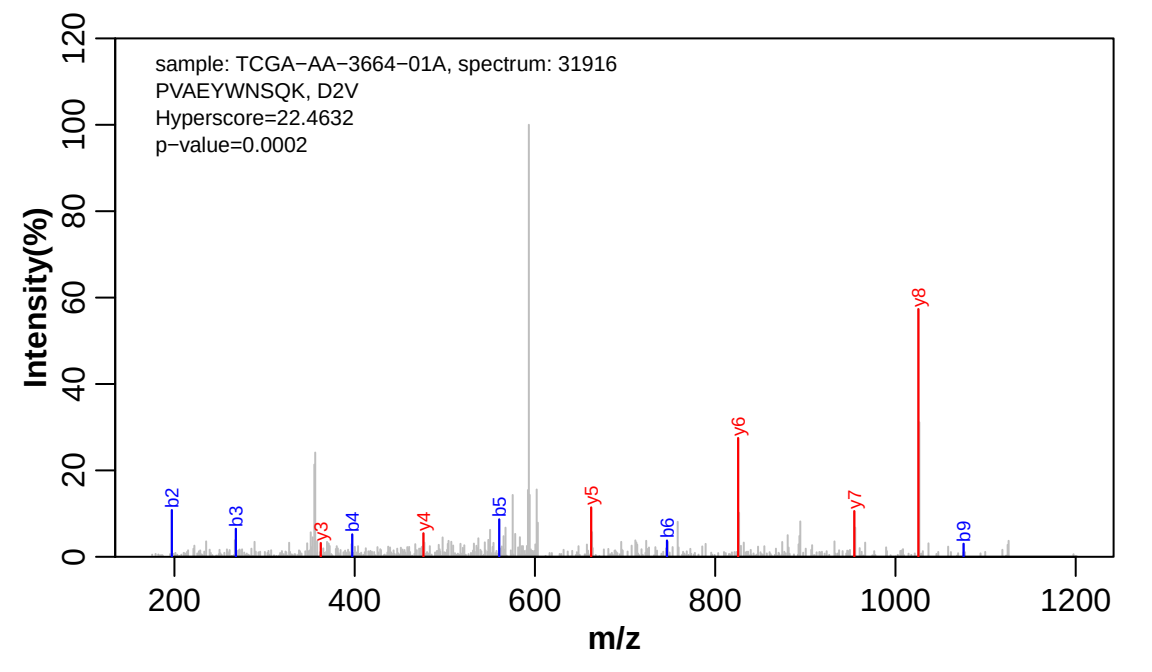

sample: TCGA−AA−3664−01A, spectrum: 71072
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.0852
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y7
b8
y11++
y9−H2O
b12++
b9++
y5
b11++
y6
b12++−H2O
b7
y8
y9−NH3
b18++
y10
b11
b12

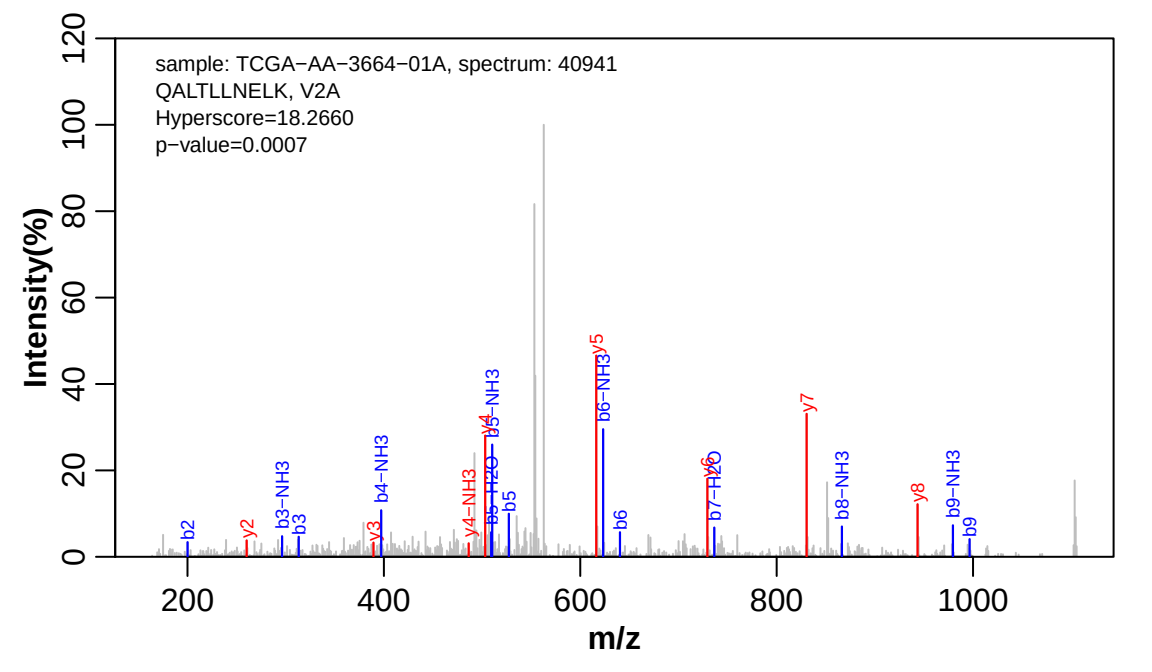

sample: TCGA−AA−3664−01A, spectrum: 58322
LTQAQLFDYSELPNFPR, G10S
Hyperscore=15.7427
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
b6
y6
y7
y8
b9
y9
y10
b11
b12
y12
b15

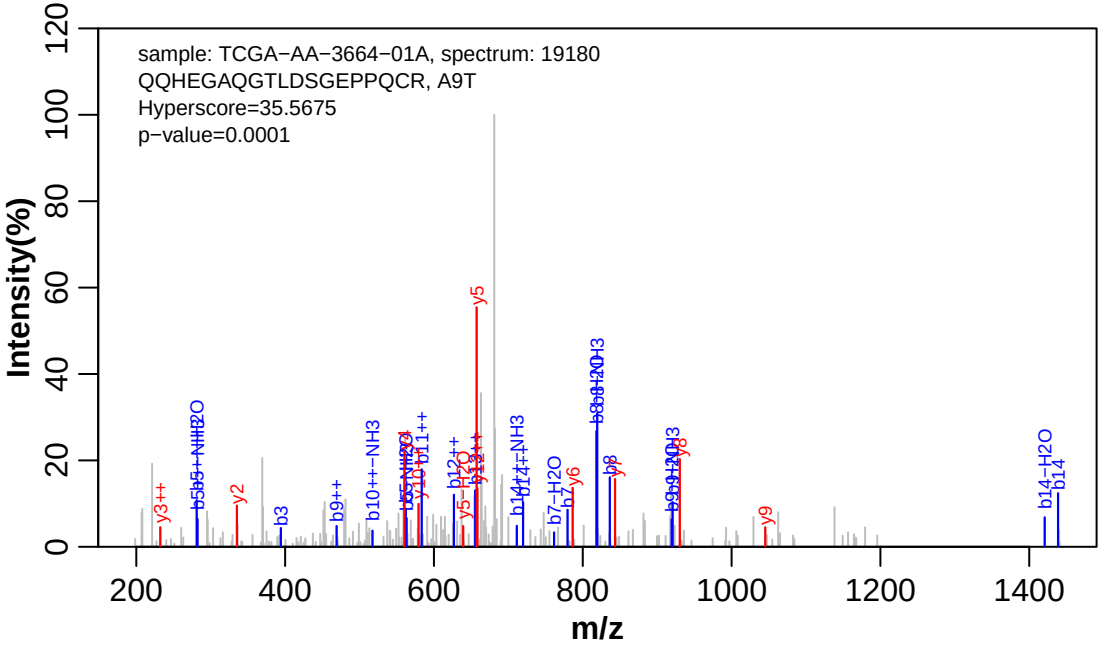

sample: TCGA−AA−3664−01A, spectrum: 21632
LTVAPPLAEPGAGK, P1L
Hyperscore=15.4752
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b3−H2O
b3
b4−H2O
b4
y5
y6
y7
y9
b9
y10−NH3
y10
y11

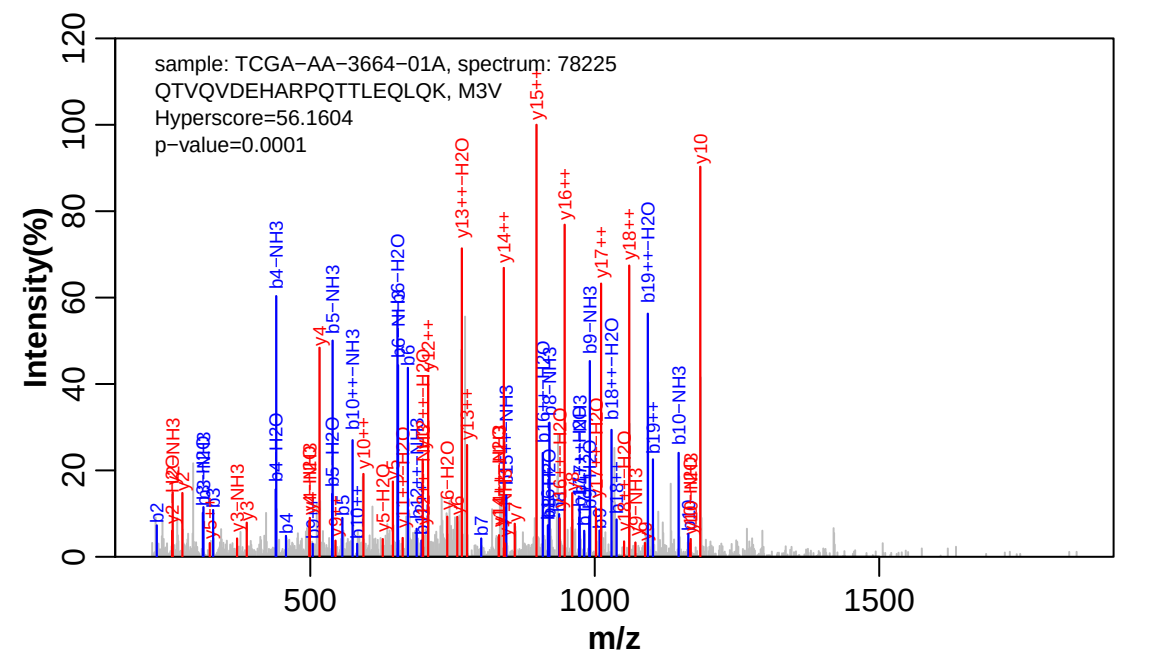

sample: TCGA−AA−3664−01A, spectrum: 65278
NLVACESLGR, V2L
Hyperscore=30.2996
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3
y3−NH3
y3
b4
y4
b5−NH3
y5−H2O
y6
b6
b7
y7
y8
y8−NH3
b8

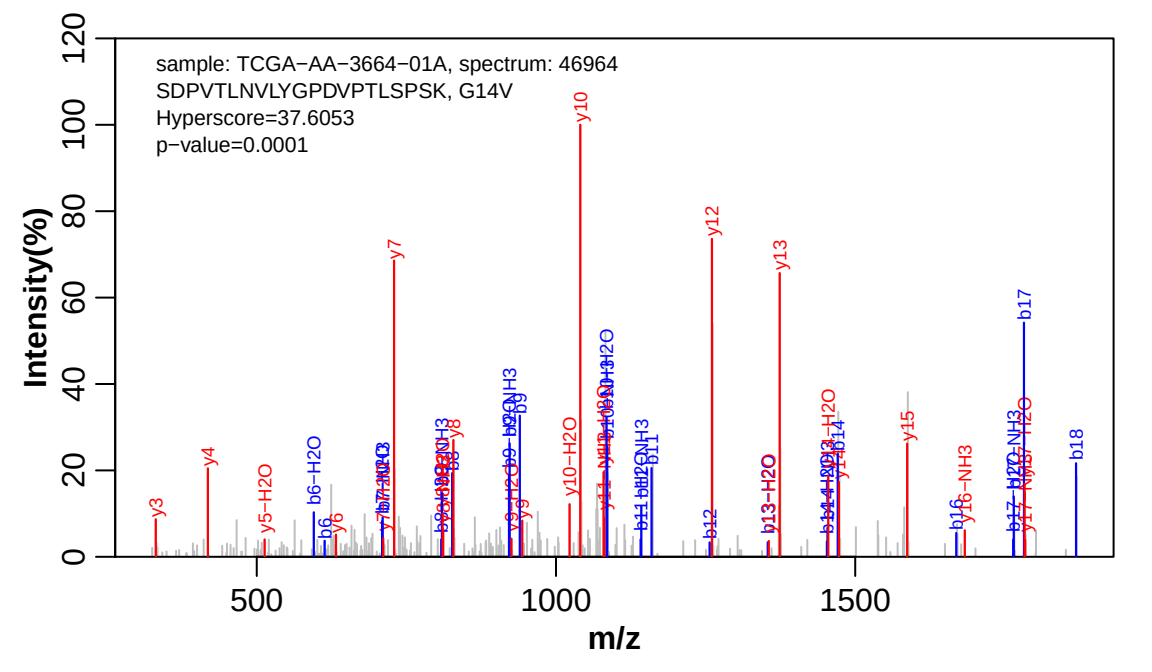

sample: TCGA−AA−3664−01A, spectrum: 49058
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7603
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
b5−H2O
b5
y5
y8
y9
y12
b13
y13
y14

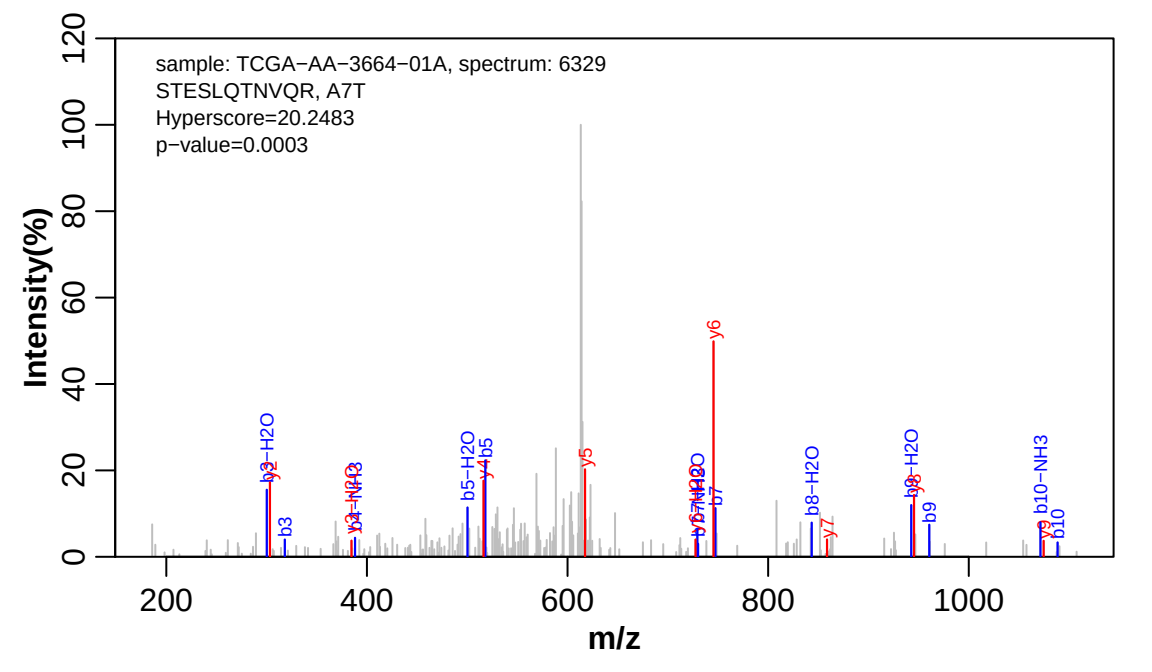

sample: TCGA−AA−3664−01A, spectrum: 31916
PVAEYWNSQK, D2V
Hyperscore=22.4632
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b3
y3
b4
y4
b5
y5
b6
y6
y7
y8
b9

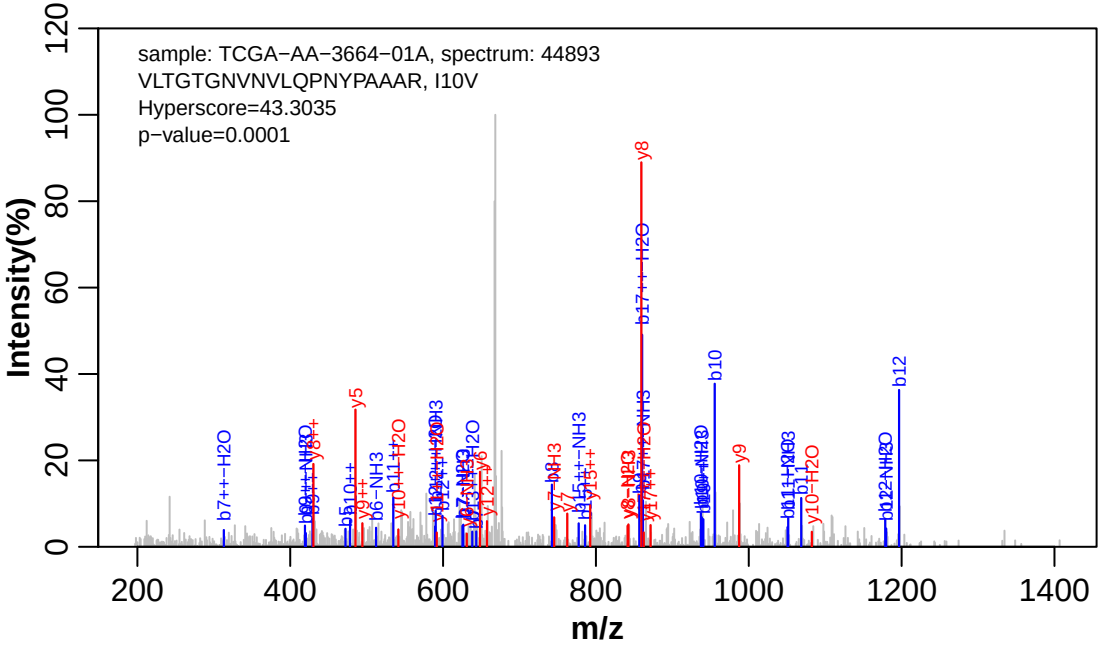

sample: TCGA−AA−3664−01A, spectrum: 40941
QALTLLNELK, V2A
Hyperscore=18.2660
p−value=0.0007
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
b3−NH3
b3
y3
b4−NH3
y4−NH3
b5−H2O
b5−NH3
b5
y5
b6−NH3
b6
y6
b7−H2O
y7
b8−NH3
y8
b9−NH3
b9

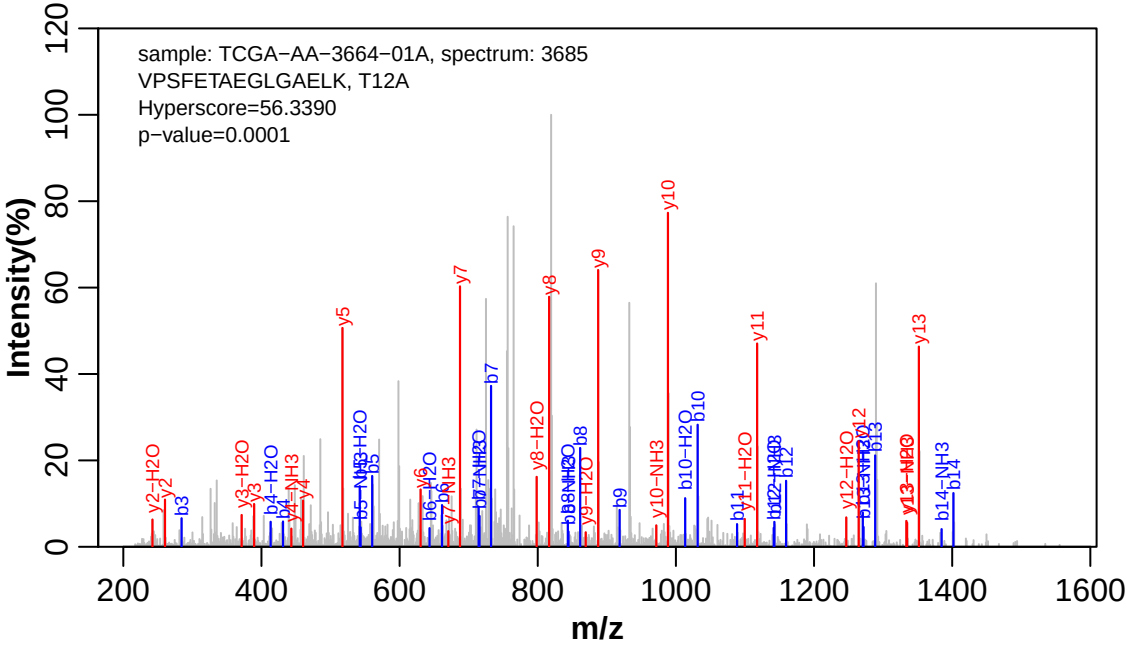

sample: TCGA−AA−3664−01A, spectrum: 19180
QQHEGAQGTLDSGEPPQCR, A9T
Hyperscore=35.5675
p−value=0.0001
Intensity(%)
m/z
y3++
y2
b3
b9++
b10++−NH3
y5
b14++−NH3
b7−H2O
y6
b8
y8
y9
b14−H2O
b14

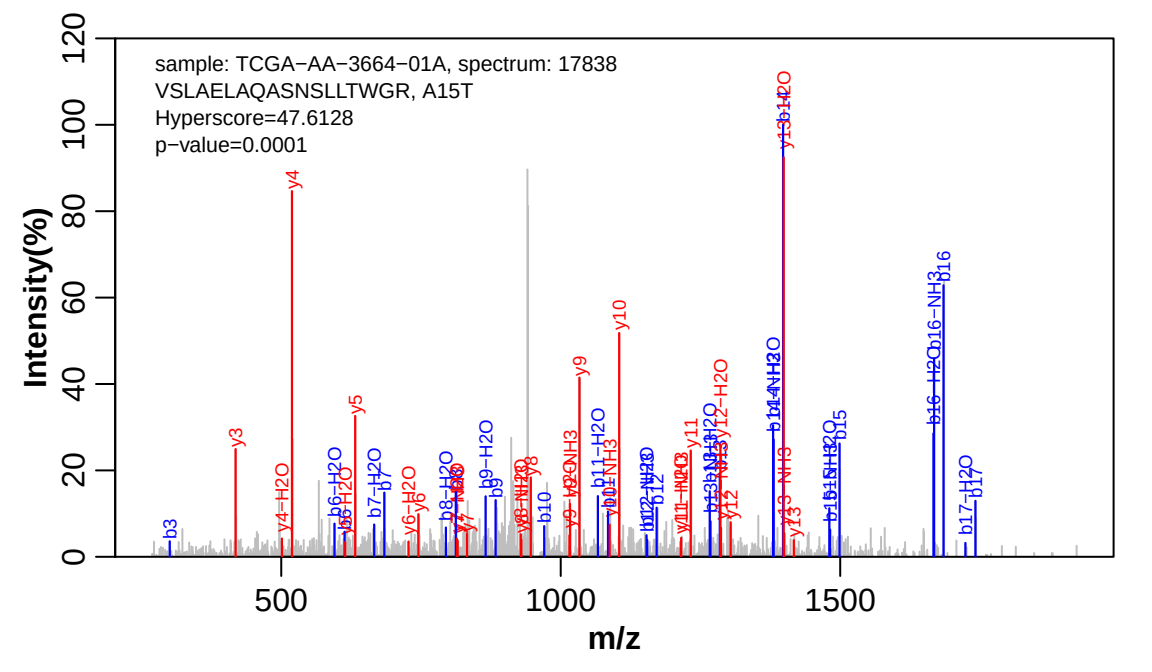

sample: TCGA−AA−3664−01A, spectrum: 78225
QTVQVDEHARPQTTLEQLQK, M3V
Hyperscore=56.1604
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2−H2ONH3
y2
y3−NH3
b4−NH3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
b10++−NH3
y10++
y5−H2O
b6−NH3
b6−H2O
b6
y6−H2O
y6
y13++
b7
y13++−H2O
y14++
y15++
y16++
b9−NH3
y17++
b18++−H2O
y18++
b19++−H2O
y19++
b10−NH3
y10

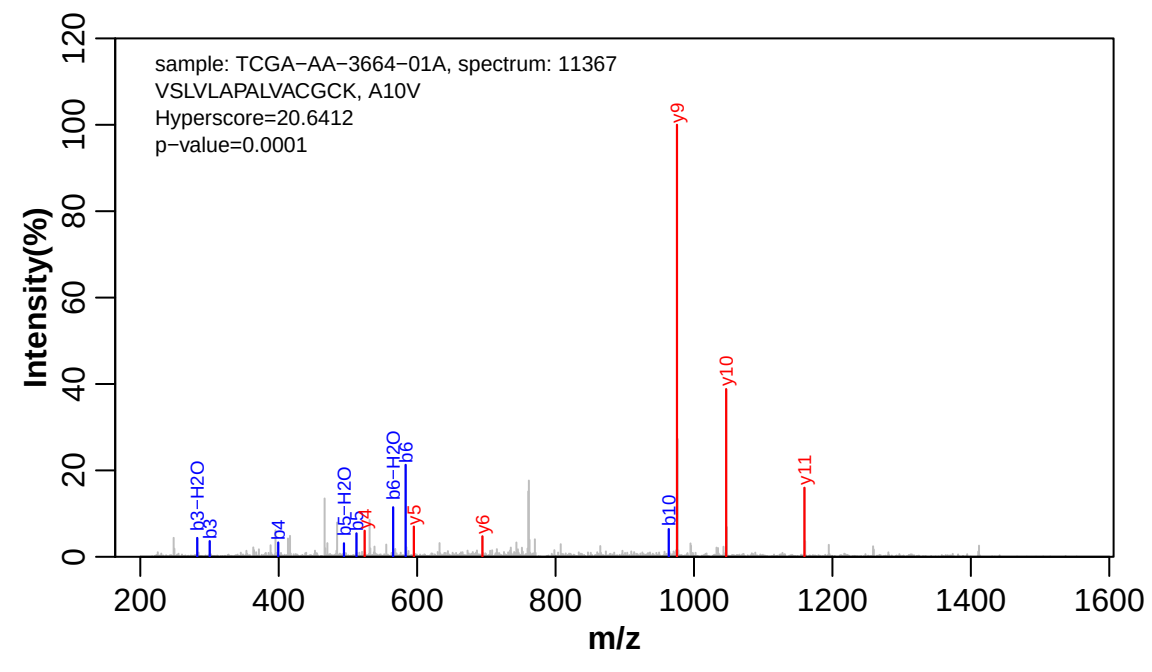

sample: TCGA−AA−3664−01A, spectrum: 46964
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=37.6053
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5−H2O
b6−H2O
b6
y6
y7
y8
y9
b9
y10
y10−H2O
b11
y12
b12
y13
b13−H2O
y14
y15
b16
y16−NH3
b17
b18

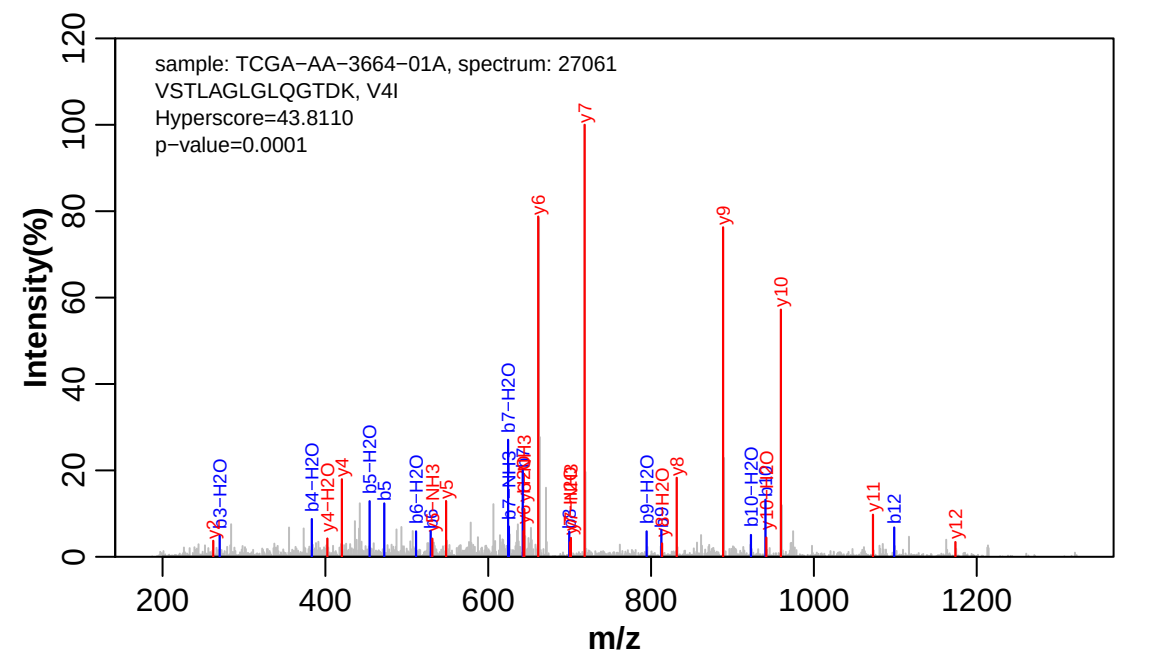

sample: TCGA−AA−3664−01A, spectrum: 6329
STESLQTNVQR, A7T
Hyperscore=20.2483
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3−H2O
b3
b3−NH3
b5−H2O
y4
b5
y5
y6
b7
b8−H2O
y7
b8−H2O
b9
b10−NH3
y9
b10

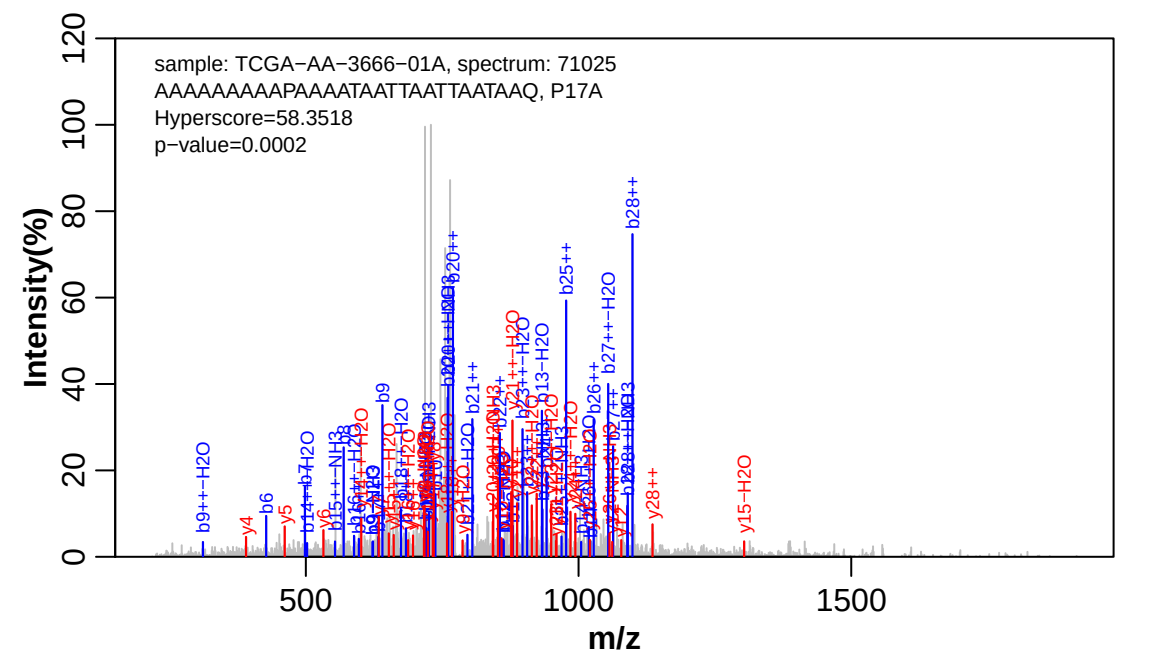

sample: TCGA−AA−3664−01A, spectrum: 44893
VLTGTGNVNVLQPNYPAAAR, I10V
Hyperscore=43.3035
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b7++−H2O
y5
y8
b17++ H2O
b10
b12
y9
y10−H2O

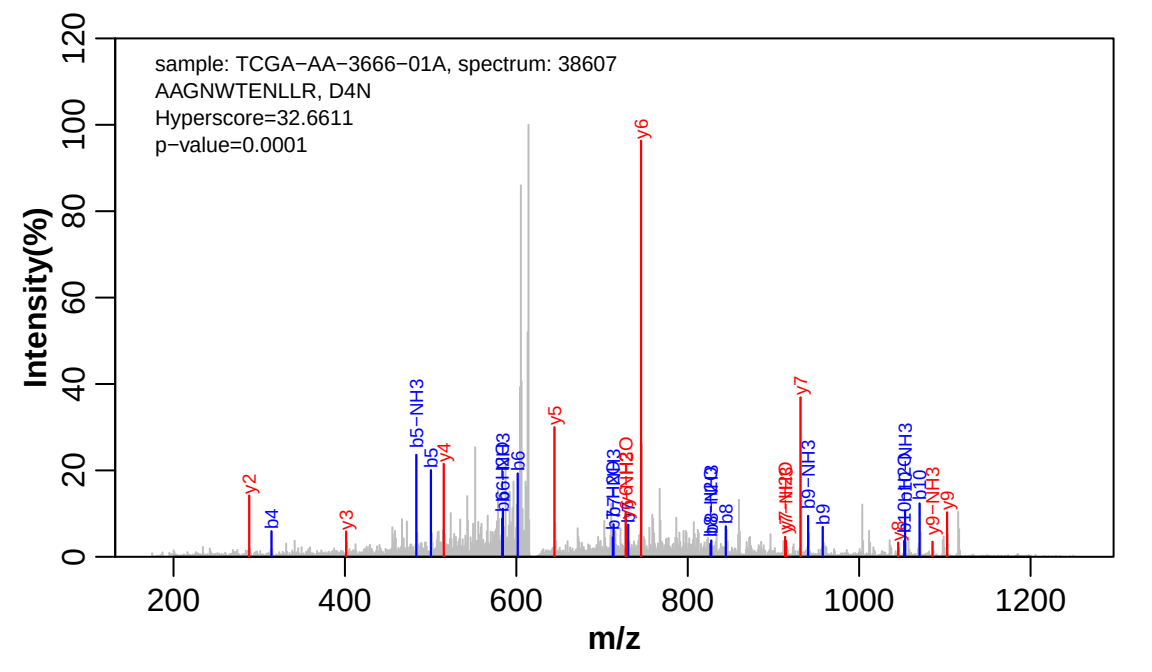

sample: TCGA−AA−3664−01A, spectrum: 3685
VPSFETAEGLGAELK, T12A
Hyperscore=56.3390
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y7
y5
y11
y13
b10
b7
b9
b5
b14
y2−H2O
y2
b3
y3−H2O
y3
b4−H2O
b4
y4−NH3
y4
y8−H2O
y10−NH3
b10−H2O
y11−H2O
y12−H2O
b14−NH3

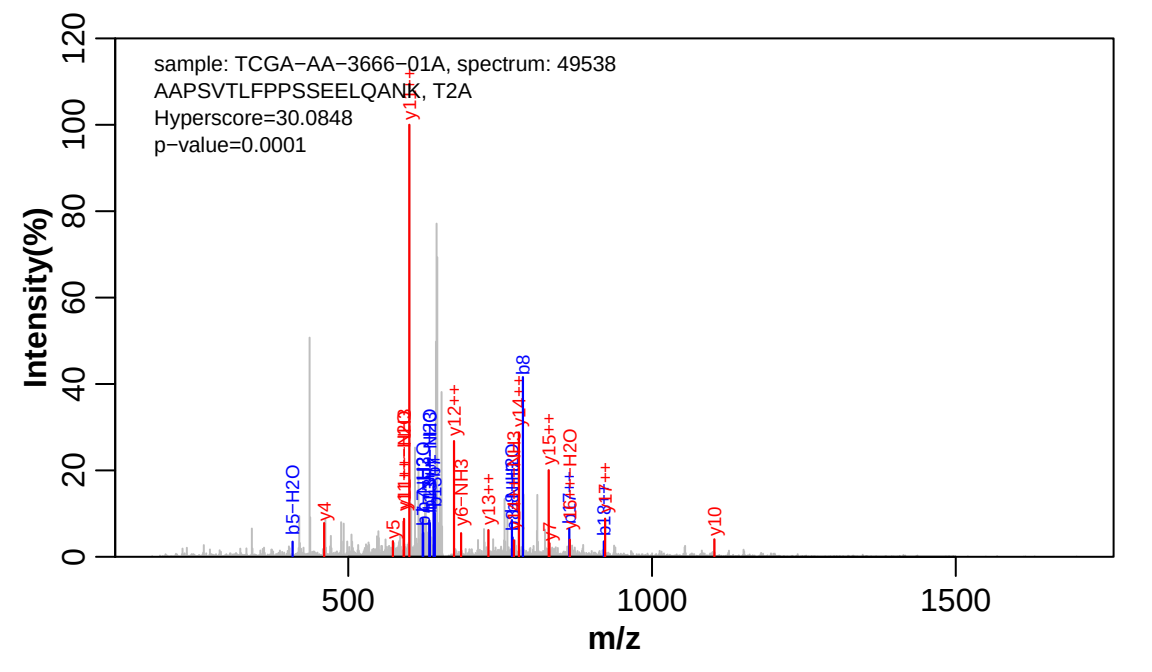

sample: TCGA−AA−3664−01A, spectrum: 17838
VSLAELAQASNSLLTWGR, A15T
Hyperscore=47.6128
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
y3
y4−H2O
y5
b6−H2O
b7−H2O
b7
y6
y6−H2O
b8−H2O
b9
b9−H2O
y8
b10
y9
y9−NH3
b11−H2O
y10
y10−NH3
y11
y11−H2O
y12−H2O
y12
y13−NH3
y13
b14−NH3
b14−H2O
y13−H2O
b15
b16−H2O
b16−NH3
b16
b17−H2O
b17

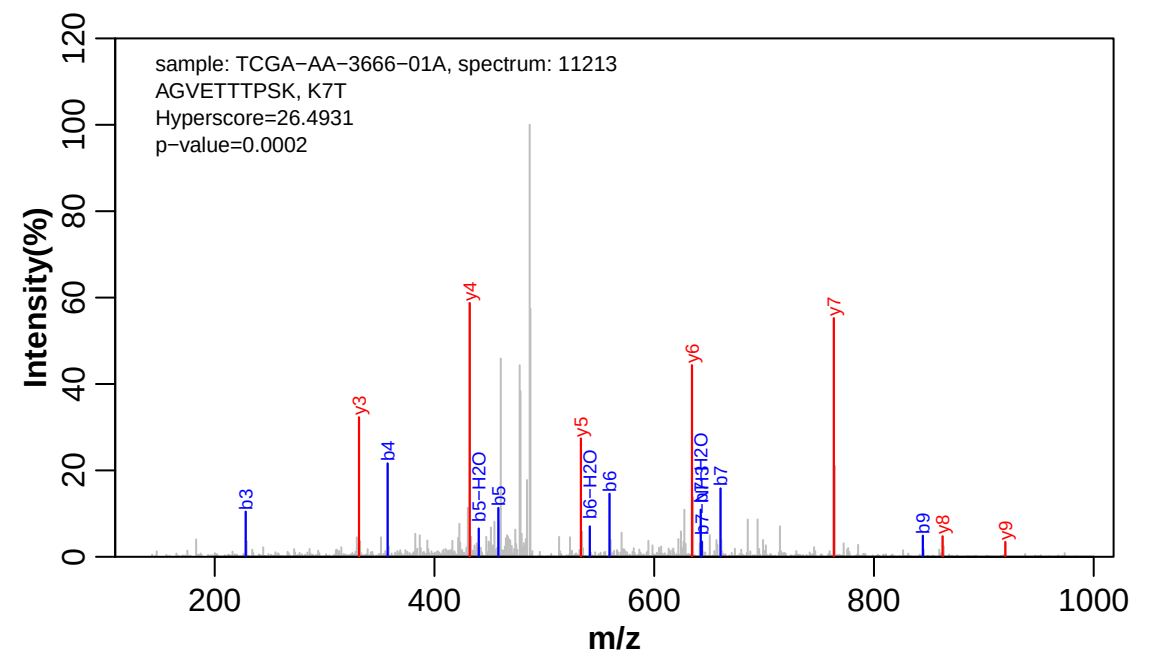

sample: TCGA−AA−3664−01A, spectrum: 11367
VSLVLAPALVACGCK, A10V
Hyperscore=20.6412
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
b4
b5−H2O
b5
y4
b6−H2O
b6
y5
y6
b10
y9
y10
y11

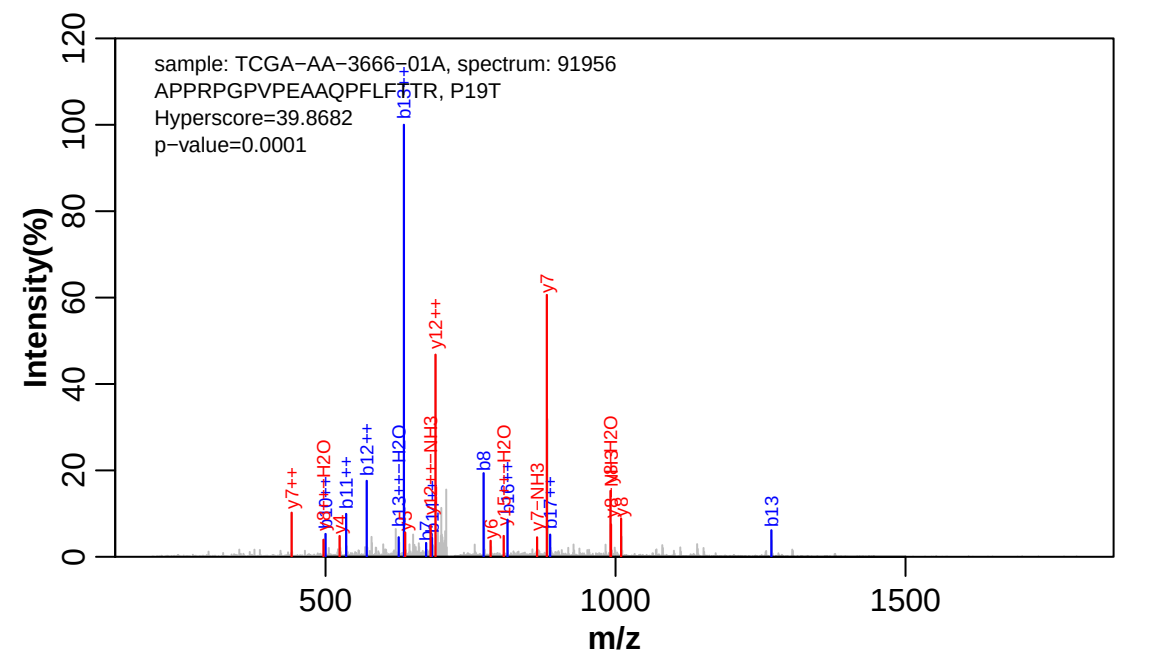

sample: TCGA−AA−3664−01A, spectrum: 27061
VSTLAGLGLQGTDK, V4I
Hyperscore=43.8110
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y7
y6
y9
y10
y8
y11
b12
y12
b7−H2O
b7−NH3
b5−H2O
b5
b4−H2O
y4
y4−H2O
y5
b6−H2O
b6−NH3
b9−H2O
b9
y3−H2O
b10−H2O
y2

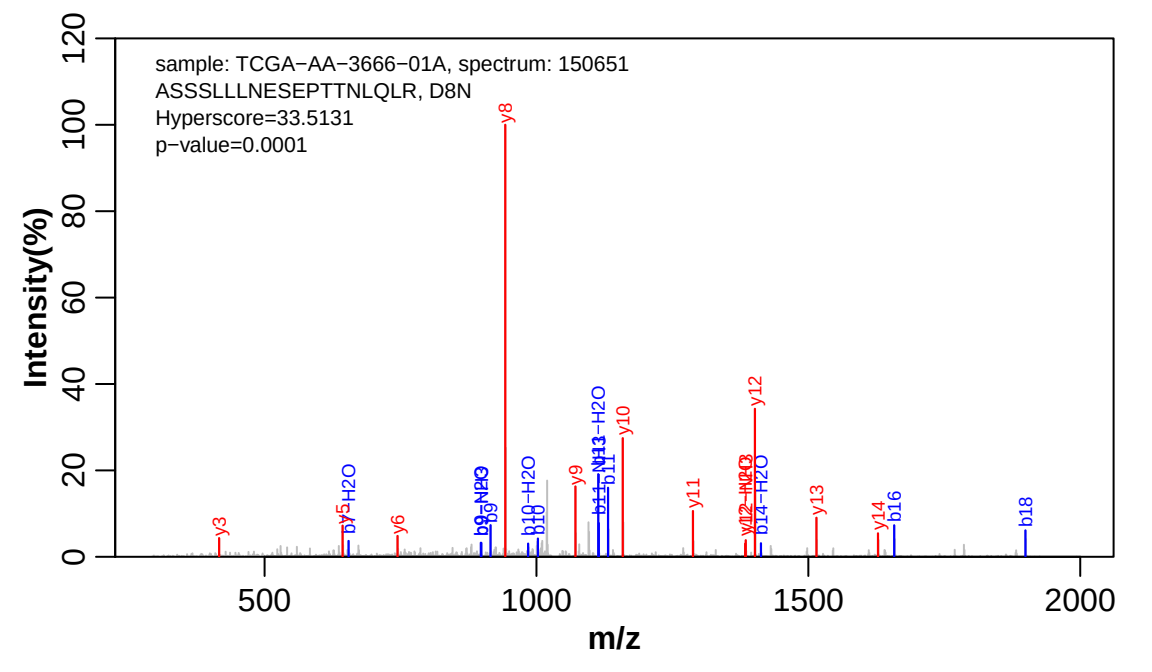

sample: TCGA−AA−3666−01A, spectrum: 71025
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=58.3518
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9++−H2O
y4
b6
y5
b24++−H2O
y6
b15++−NH3
b15++−H2O
b9
b16++−H2O
b16++−NH3
y15++−H2O
y16++−H2O
b17++−H2O
b17++−NH3
b18++−H2O
b18++−NH3
b19++−H2O
b19++−NH3
b20++−H2O
b20++−NH3
b21++
b21++−H2O
b21++−NH3
b22++−H2O
b22++−NH3
b23++−H2O
b23++−NH3
b24++−H2O
b24++−NH3
y21++−H2O
y23++−H2O
y13−H2O
b25++
b26++
b27++−H2O
b28++
y28++
y15−H2O

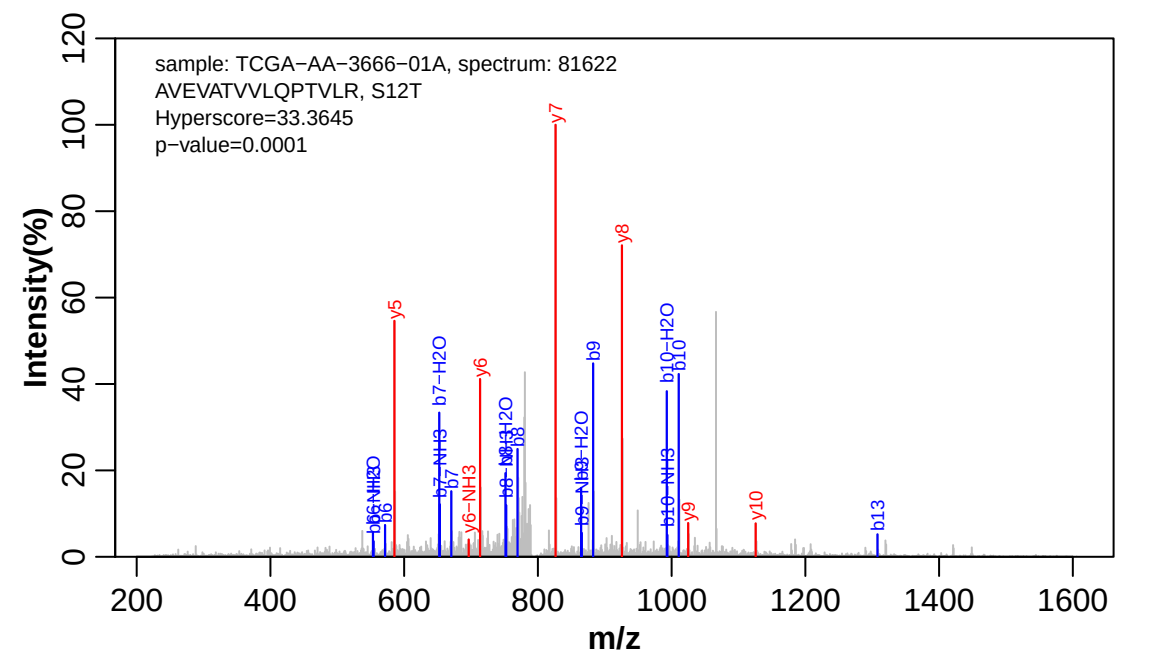

sample: TCGA−AA−3666−01A, spectrum: 38607
AAGNWTENLLR, D4N
Hyperscore=32.6611
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y7
y2
b4
y3
b5−NH3
b5
y4
b6
b9−NH3
b9
b8
b10
y9−NH3
y9

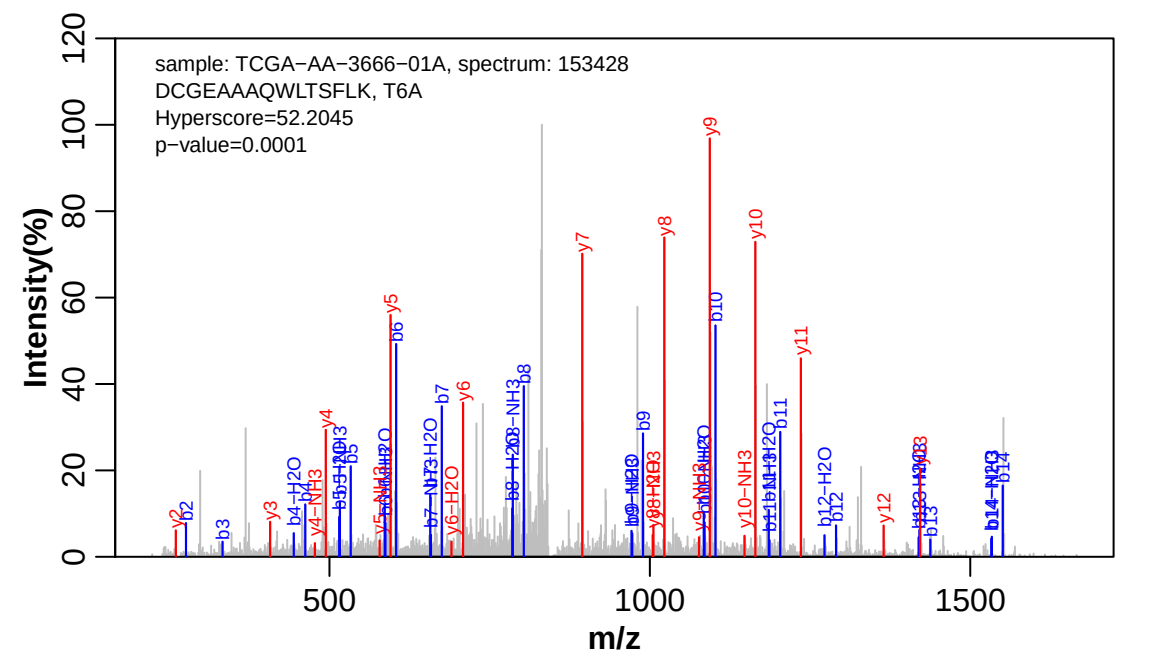

sample: TCGA−AA−3666−01A, spectrum: 49538
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=30.0848
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
b5−H2O
y4
y5
y6−NH3
y12++
y13++
y14++
b8
y15++
y7
y16++−H2O
b19 17++
y10

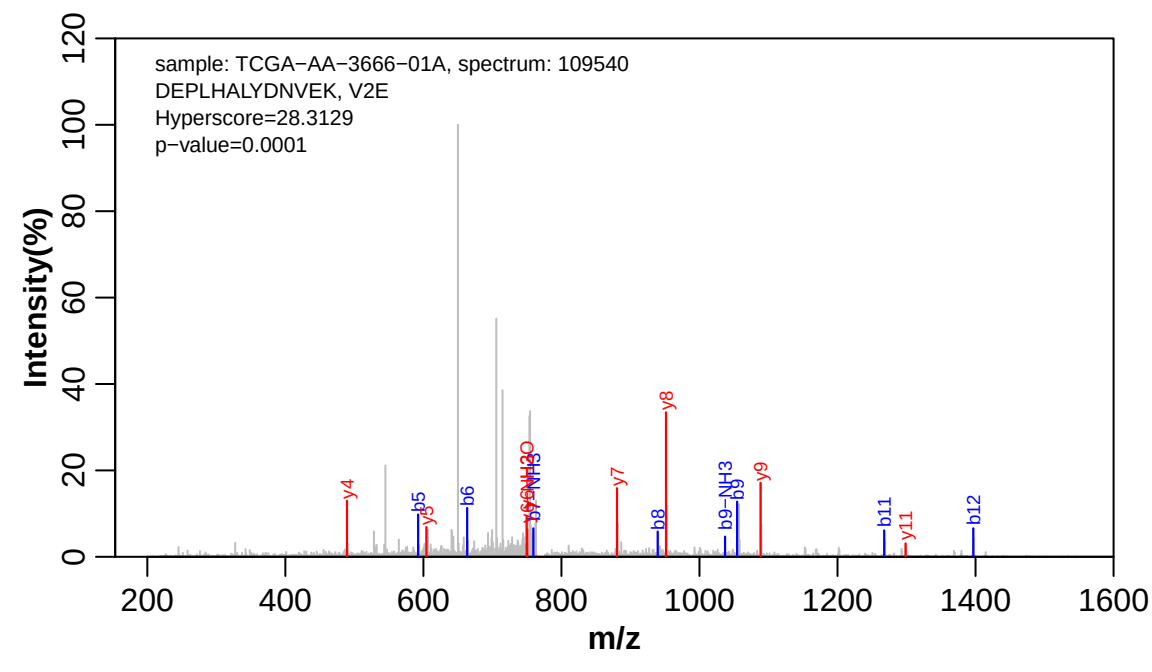

sample: TCGA−AA−3666−01A, spectrum: 11213
AGVETTTPSK, K7T
Hyperscore=26.4931
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3−H2O
b7
y7
b9
y8
y9

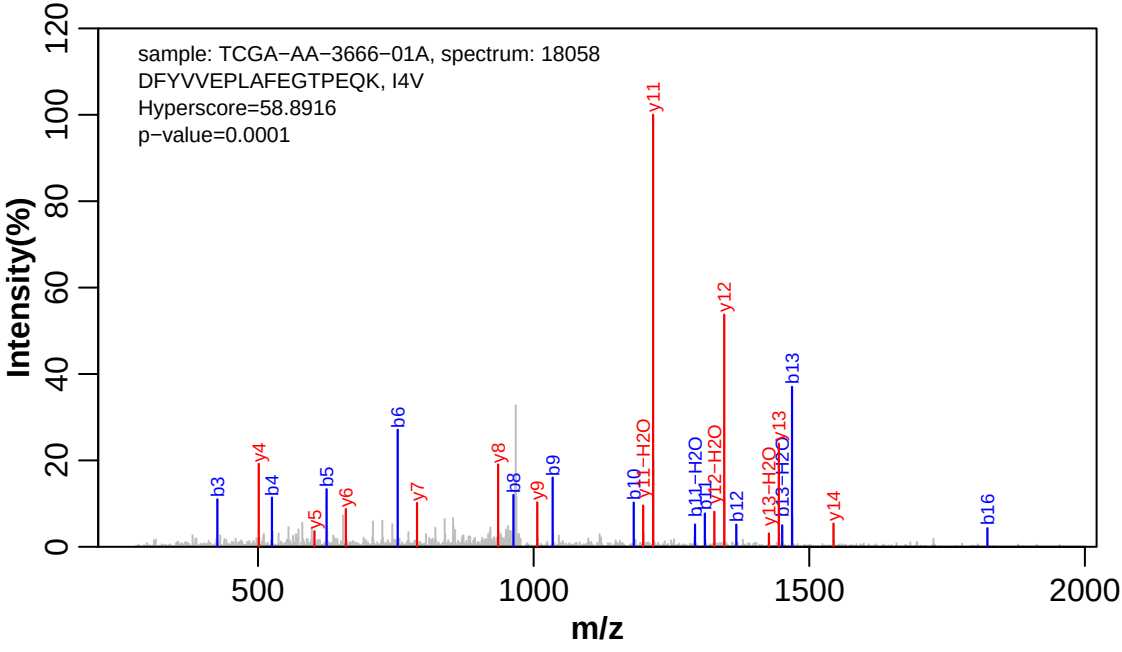

sample: TCGA−AA−3666−01A, spectrum: 91956
APPRPGPVPEAAQPFLFSTR, P19T
Hyperscore=39.8682
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7++
y10++H2O
y4
b11++
b12++
b13++−H2O
y9
b13++
b7y12++−NH3
y12++
b8
y6
y15++H2O
y7−NH3
b17++
y7
y8−NH3−H2O
y8
b13

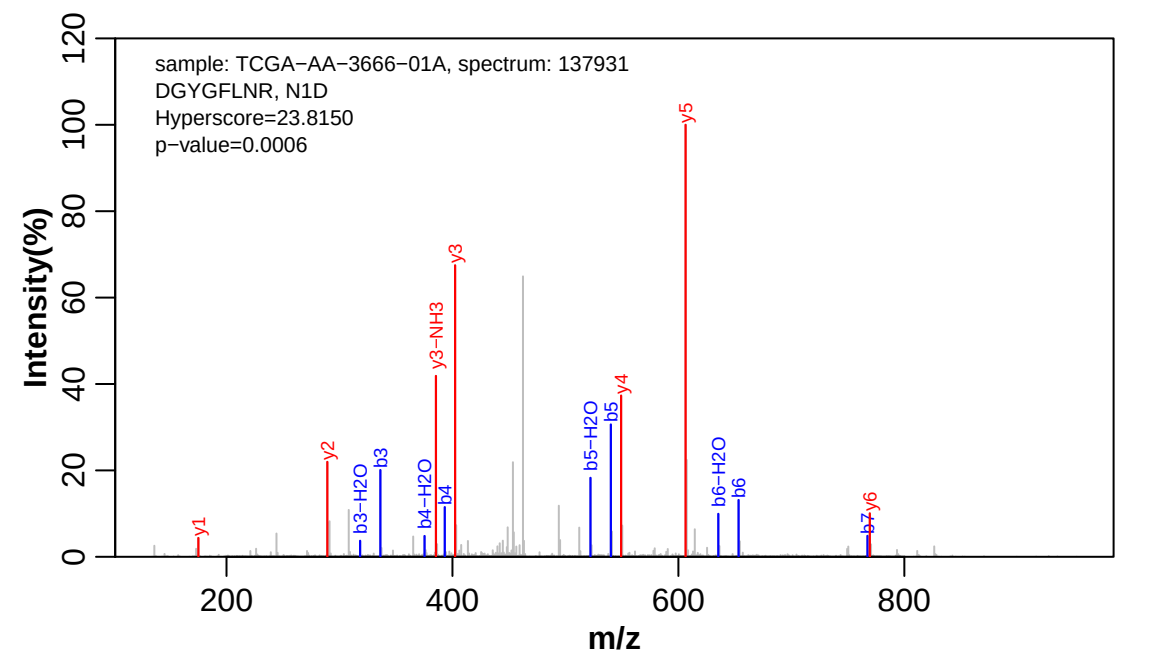

sample: TCGA−AA−3666−01A, spectrum: 150651
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=33.5131
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y5
b7−H2O
y6
b9−NH3
b9
b10−H2O
b10
y8
y9
b11−NH3
b11
b11−H2O
y10
y11
y12−H2O
y12
b14−H2O
y13
y14
b16
b18

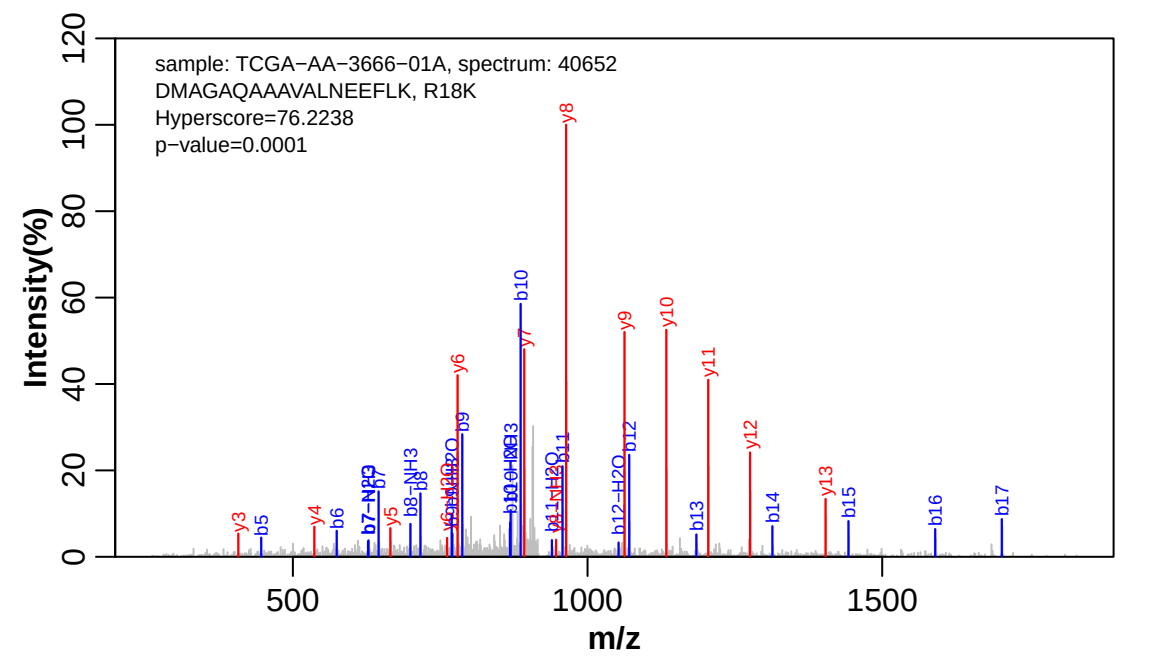

sample: TCGA−AA−3666−01A, spectrum: 81622
AVEVATVVLQPTVLR, S12T
Hyperscore=33.3645
p−value=0.0001
Intensity(%)
m/z
y7
y8
y5
y6
b7−H2O
b7−NH3
b7
y6−NH3
b9
b10−H2O
b10
b10−NH3
y9
y10
b13

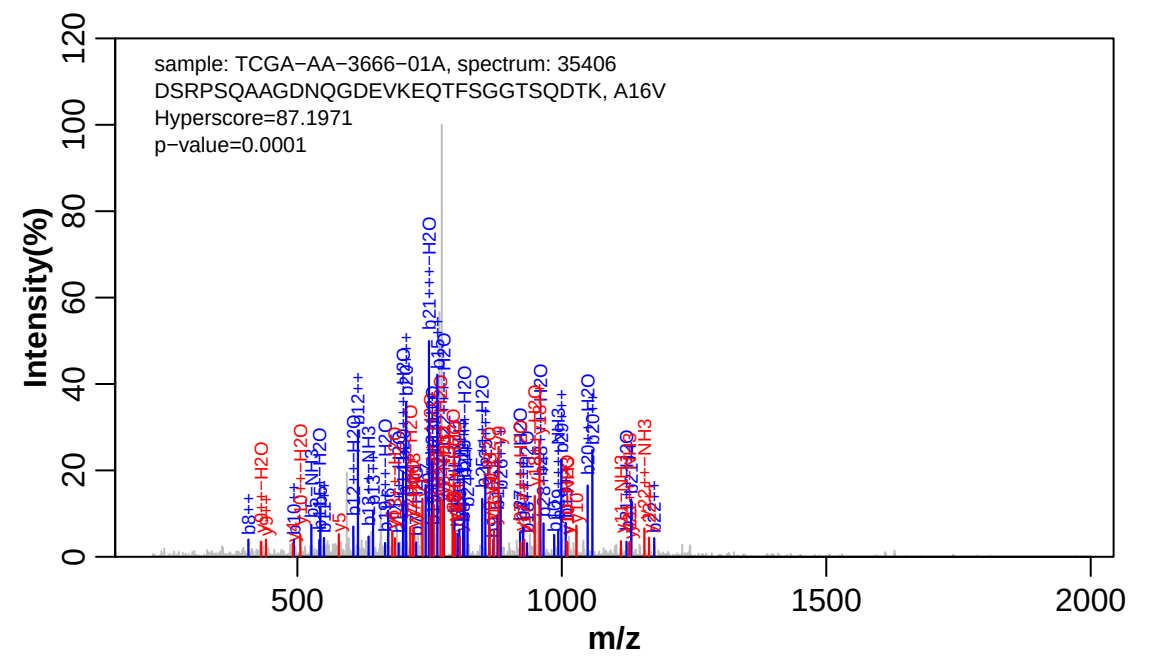

sample: TCGA−AA−3666−01A, spectrum: 153428
DCGEAAAQWLTSFLK, T6A
Hyperscore=52.2045
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b2
b3
y3
b4−H2O
b4
y4−NH3
y4
b5
y5
b6
y6
b7
b8
y7
y8
b9
y9
b10
y10
y11
b11
y10−NH3
b12−H2O
b12
y12
b13
b14−NH3
b14

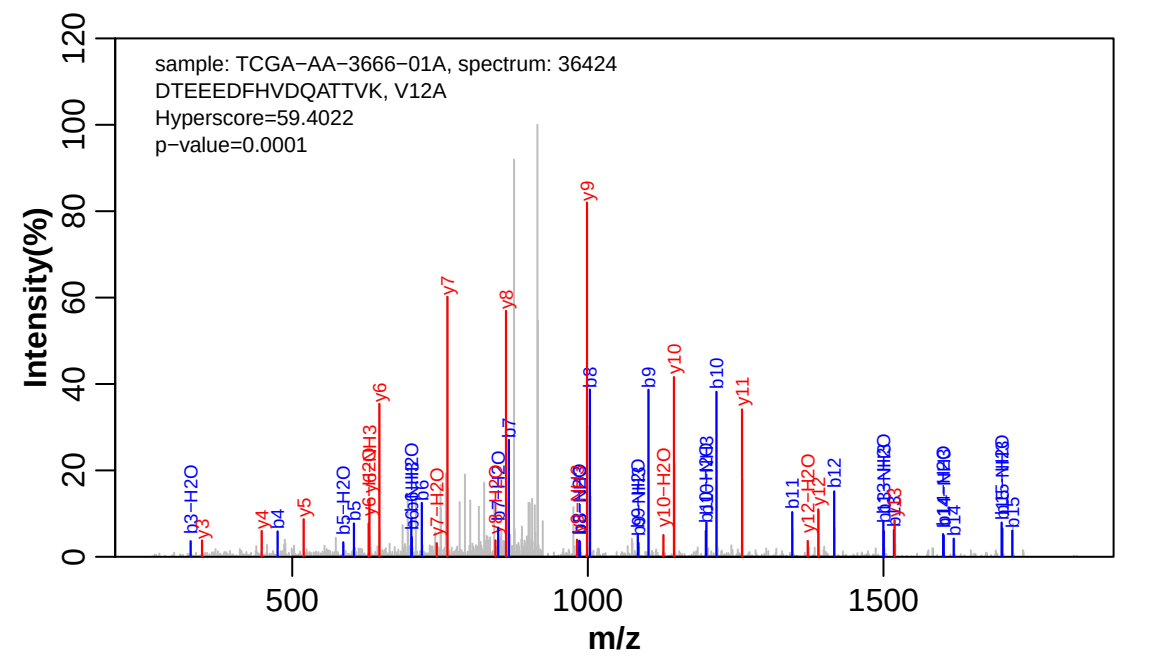

sample: TCGA−AA−3666−01A, spectrum: 109540
DEPLHALYDNVEK, V2E
Hyperscore=28.3129
p−value=0.0001
Intensity(%)
m/z
y4
b5
y5
b6
y7
y8
b8
b9−NH3
b9
y9
b11
y11
b12

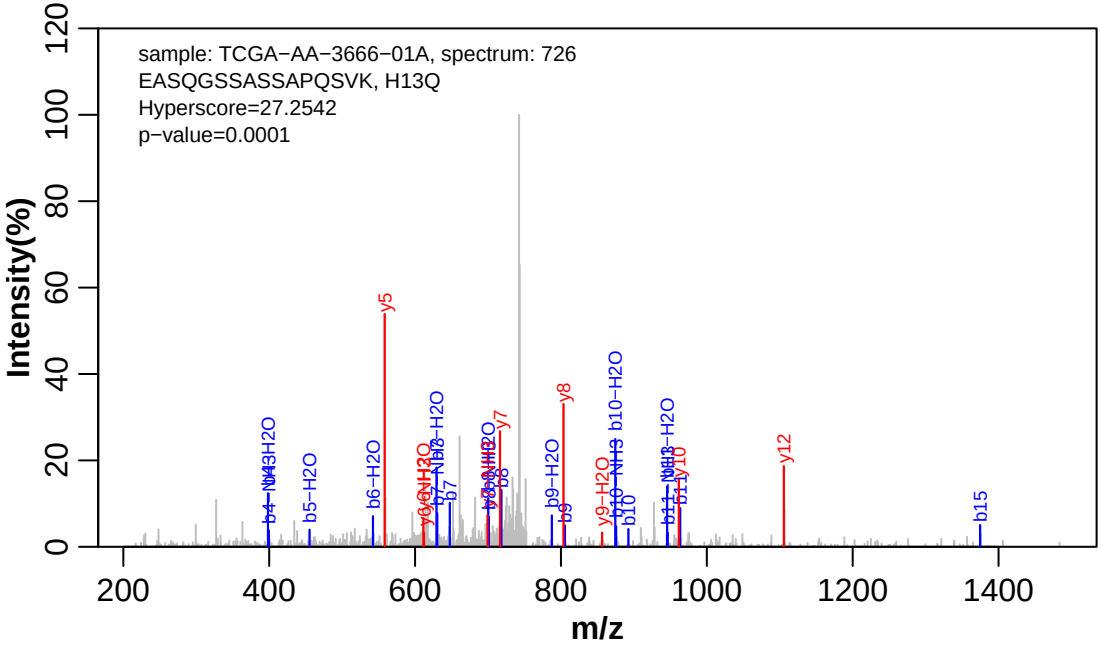

sample: TCGA−AA−3666−01A, spectrum: 18058
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=58.8916
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
b3
y4
b4
b5
y5
y6
b6
y7
y8
b8
y9
b9
b10
y11−H2O
y11
b11−H2O
b11
y12−H2O
y12
b12
y13−H2O
y13
b13−H2O
b13
y14
b16

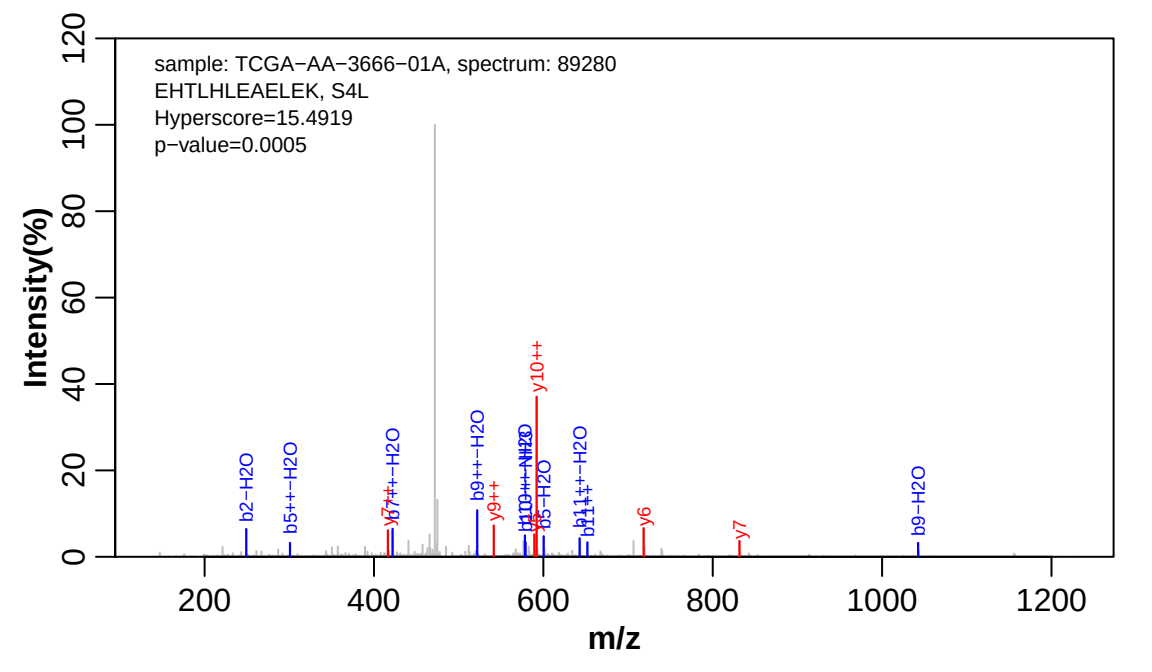

sample: TCGA−AA−3666−01A, spectrum: 137931
DGYGFLNR, N1D
Hyperscore=23.8150
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
y3
b4
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

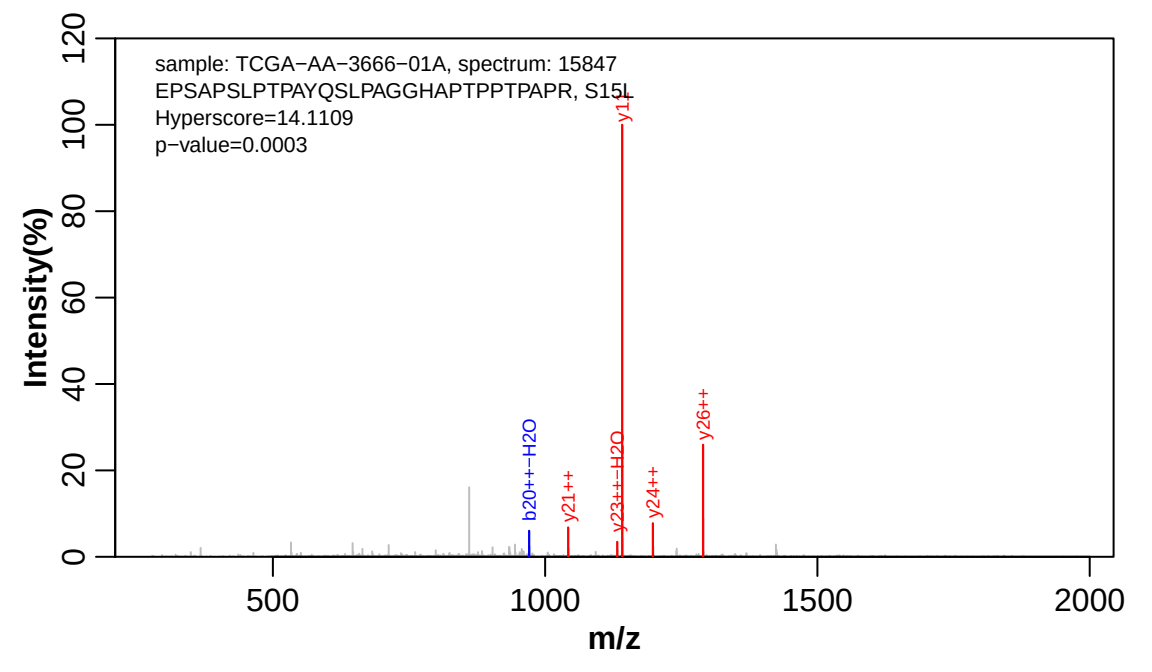

sample: TCGA−AA−3666−01A, spectrum: 40652
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=76.2238
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
b10
y7
y9
y10
y11
y12
y13
y6
b9
b11
b12
b13
b14
b15
b16
b17
y3
b5
y4
b6
y5
b8

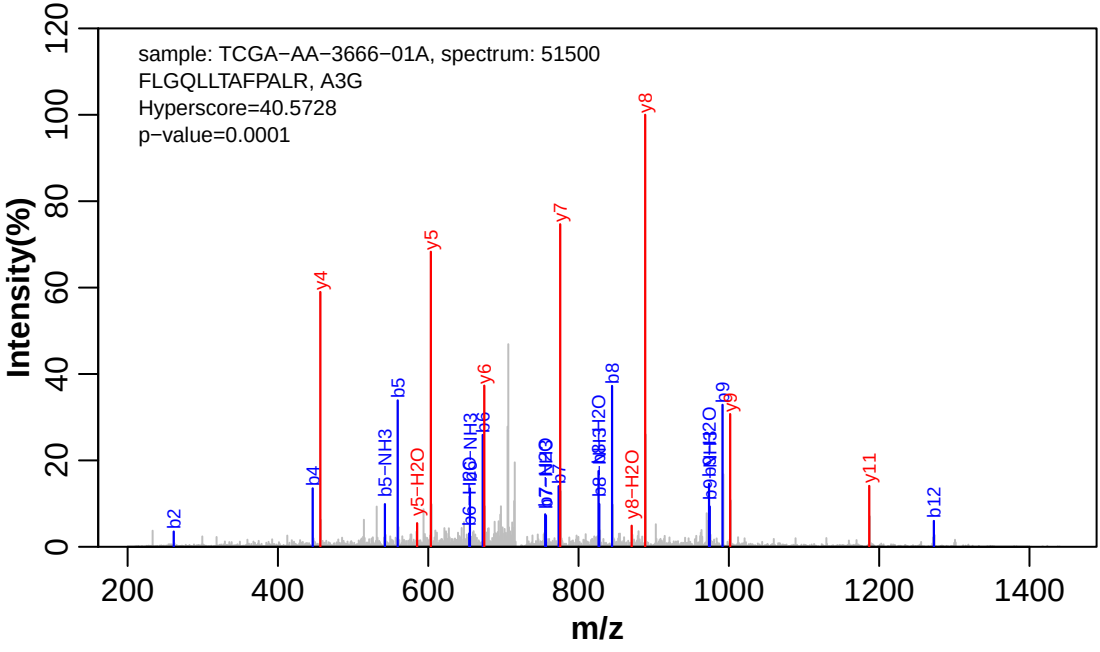

sample: TCGA−AA−3666−01A, spectrum: 35406
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=87.1971
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

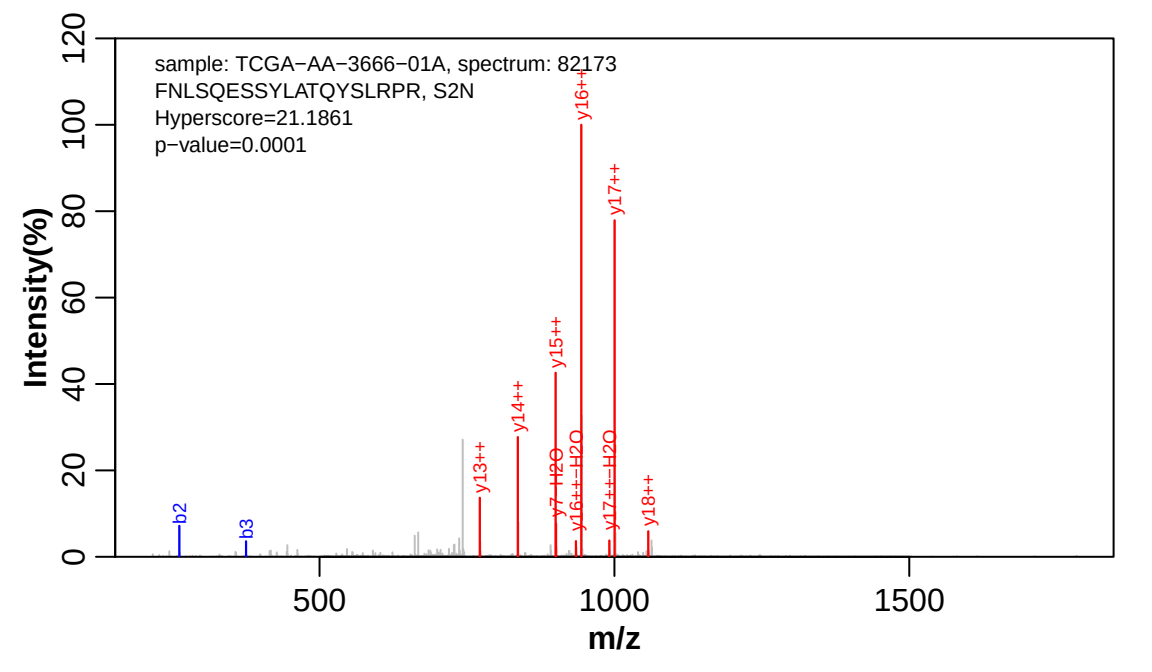

sample: TCGA−AA−3666−01A, spectrum: 36424
DTEEEDFHVDQATTVK, V12A
Hyperscore=59.4022
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y8
y7
y6
y10
y11
b8
b9
b10
b7
y5
y4
b4
b5
b6
y3
b3−H2O
y7−H2O
y10−H2O
b11
y12−H2O
b12
b15
y12
y13
b14

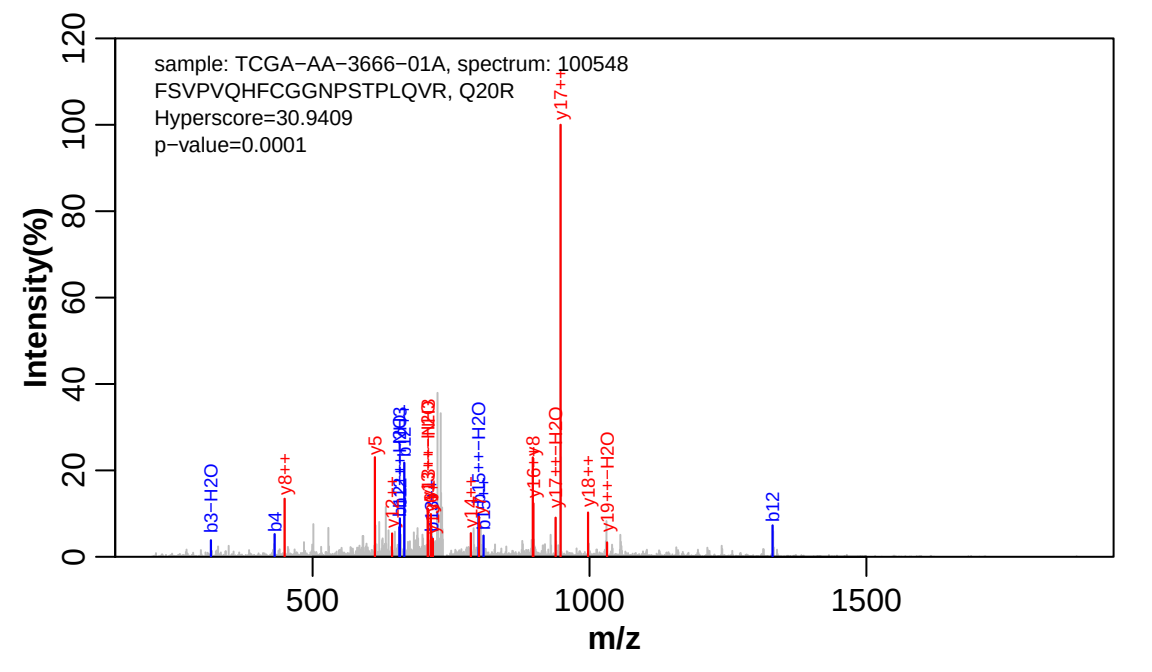

sample: TCGA−AA−3666−01A, spectrum: 726
EASQGSSASSAPQSVK, H13Q
Hyperscore=27.2542
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y8
y7
y12
b15
b6−H2O
b5−H2O
b9−H2O
b10−H2O
b10−NH3
y9−H2O
b4−NH3
b7
b8
b9
b10
y10

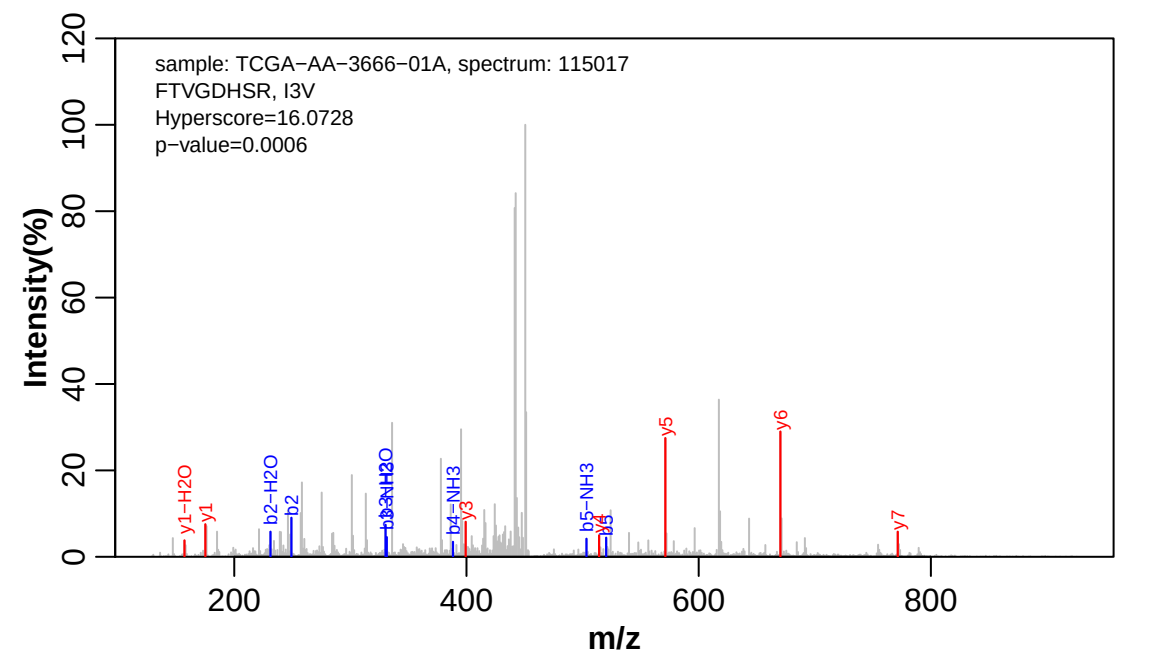

sample: TCGA−AA−3666−01A, spectrum: 89280
EHTLHLEAELEK, S4L
Hyperscore=15.4919
p−value=0.0005
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b5++−H2O
y7++
y7++−H2O
b9++−H2O
y9++
y10++
b5−H2O
b11++−H2O
y6
y7
b9−H2O

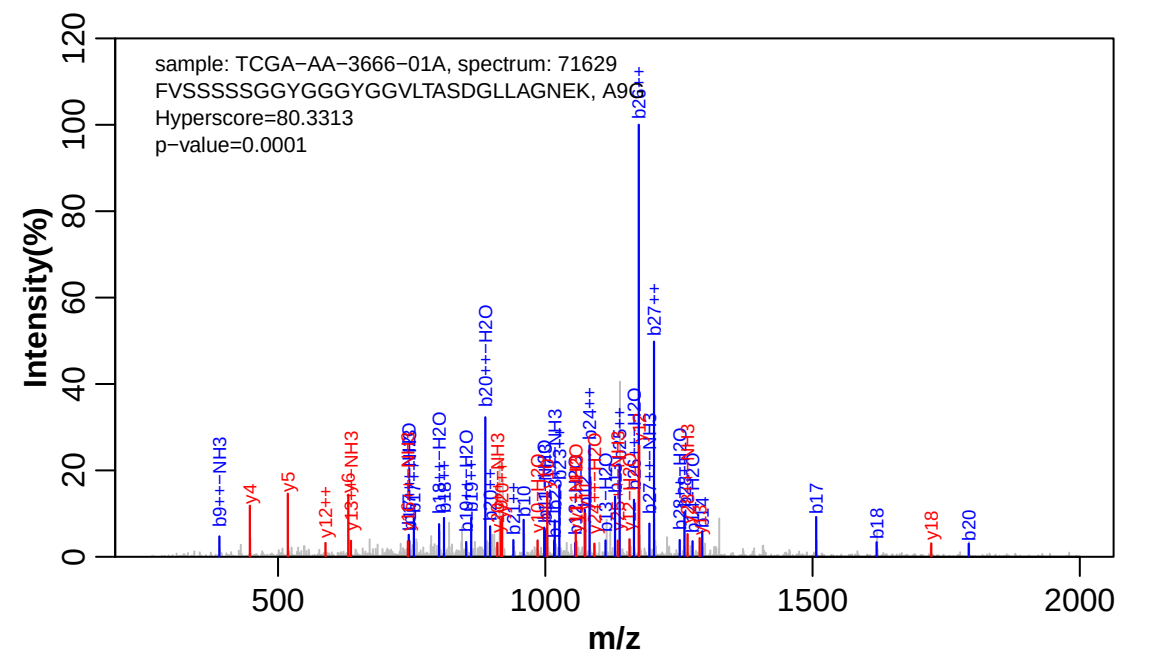

sample: TCGA−AA−3666−01A, spectrum: 15847
EPSAPSLPTPAYQSLPAGGHAPTPPTPAPR, S15L
Hyperscore=14.1109
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
b20++−H2O
y21++
y23++−H2O
y24++
y26++

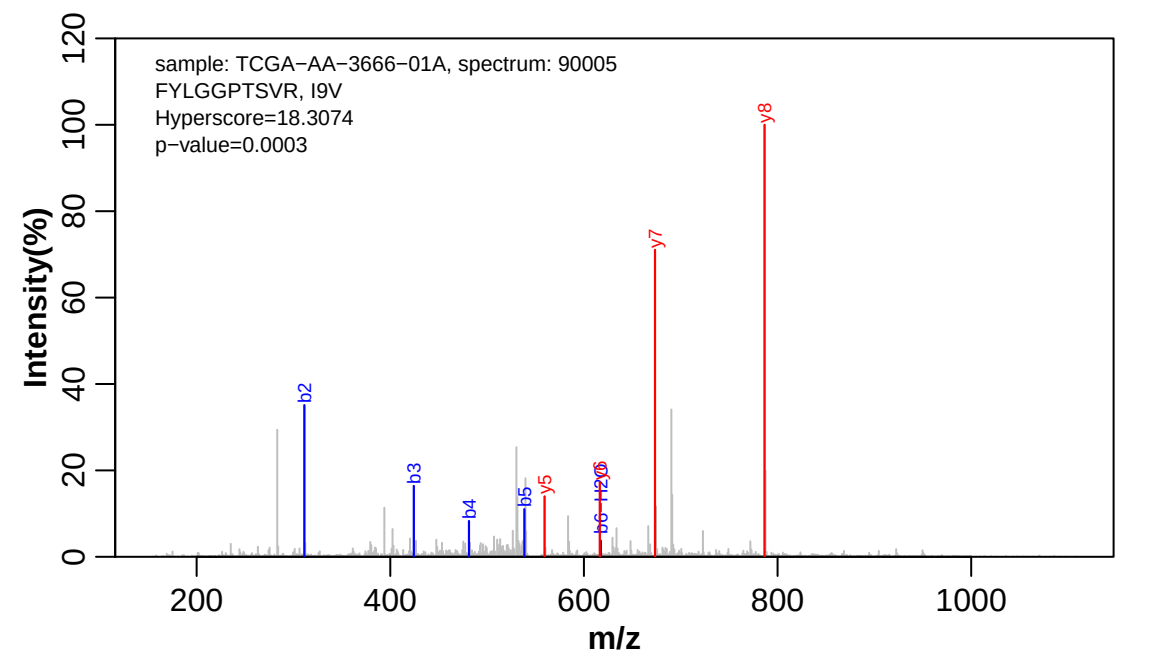

sample: TCGA−AA−3666−01A, spectrum: 51500
FLGQLLTAFPALR, A3G
Hyperscore=40.5728
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b4
b5
b5−NH3
y5−H2O
y4
y5
y6
y7
y8
b8
y8−H2O
y11
b12

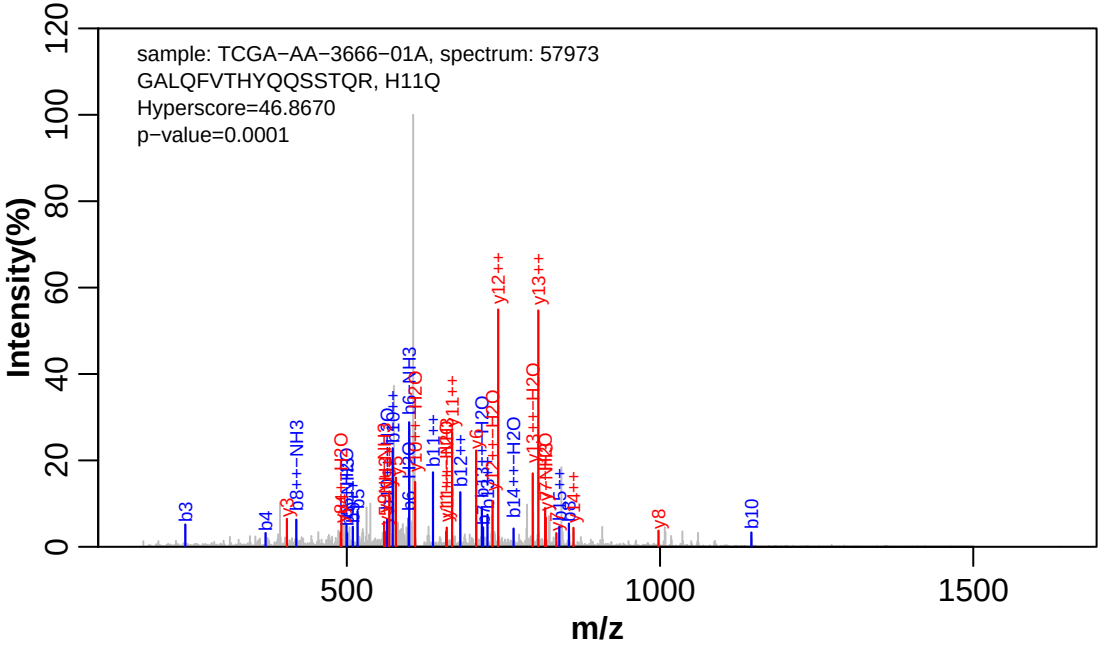

sample: TCGA−AA−3666−01A, spectrum: 82173
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=21.1861
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
b3
y13++
y14++
y15++
y7−H2O
y16++−H2O
y16++
y17++−H2O
y17++
y18++

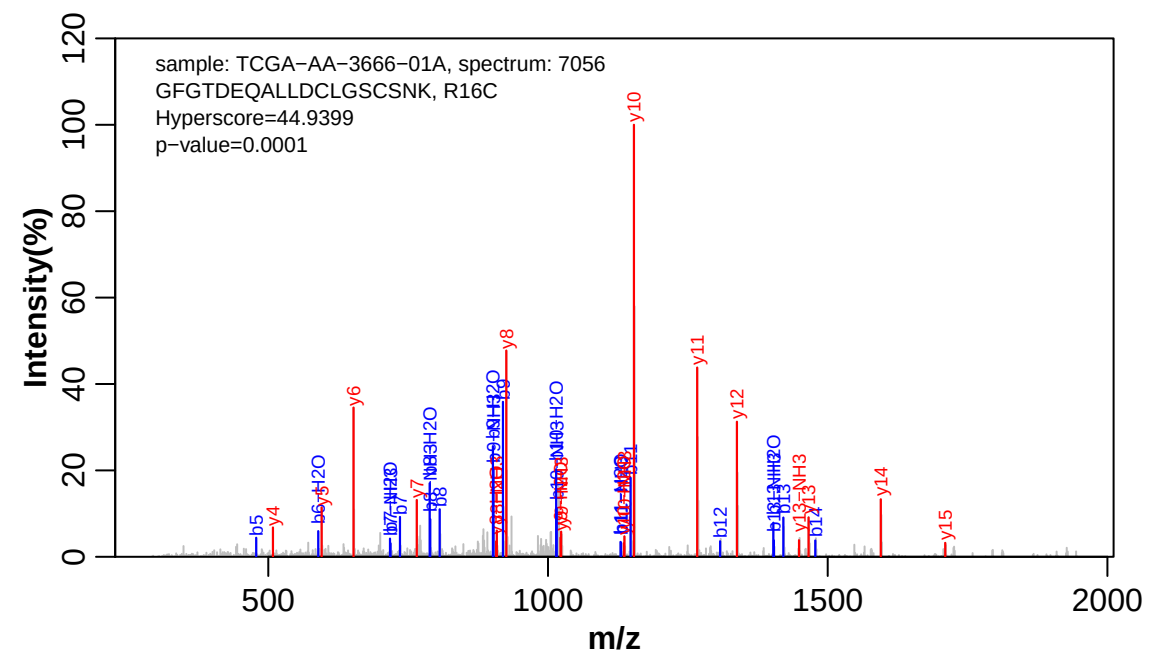

sample: TCGA−AA−3666−01A, spectrum: 100548
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=30.9409
p−value=0.0001
Intensity(%)
m/z
y17++
y5
y8++
b3−H2O
b4
y16+y8
y17++−H2O
y18++
y19++−H2O
b12
y14++
b15++−H2O
0
20
40
60
80
100
120
500
1000
1500

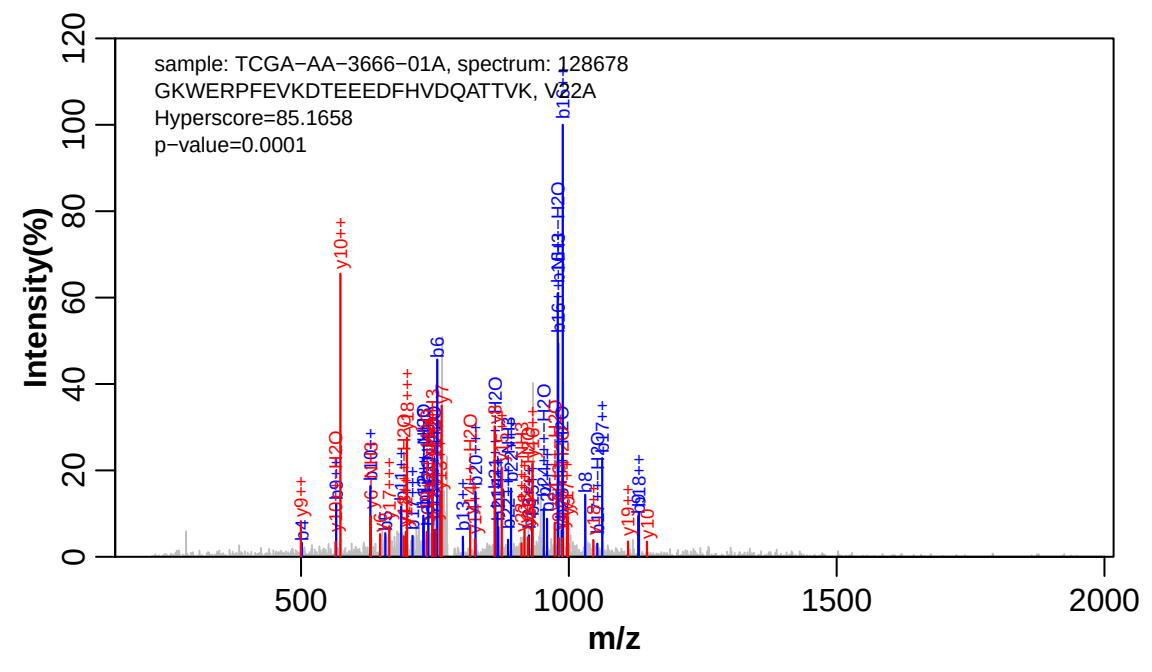

sample: TCGA−AA−3666−01A, spectrum: 115017
FTVGDHSR, I3V
Hyperscore=16.0728
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−H2O
y1
b2−H2O
b2
b4−NH3
y3
b5−NH3
y5
y6
y7

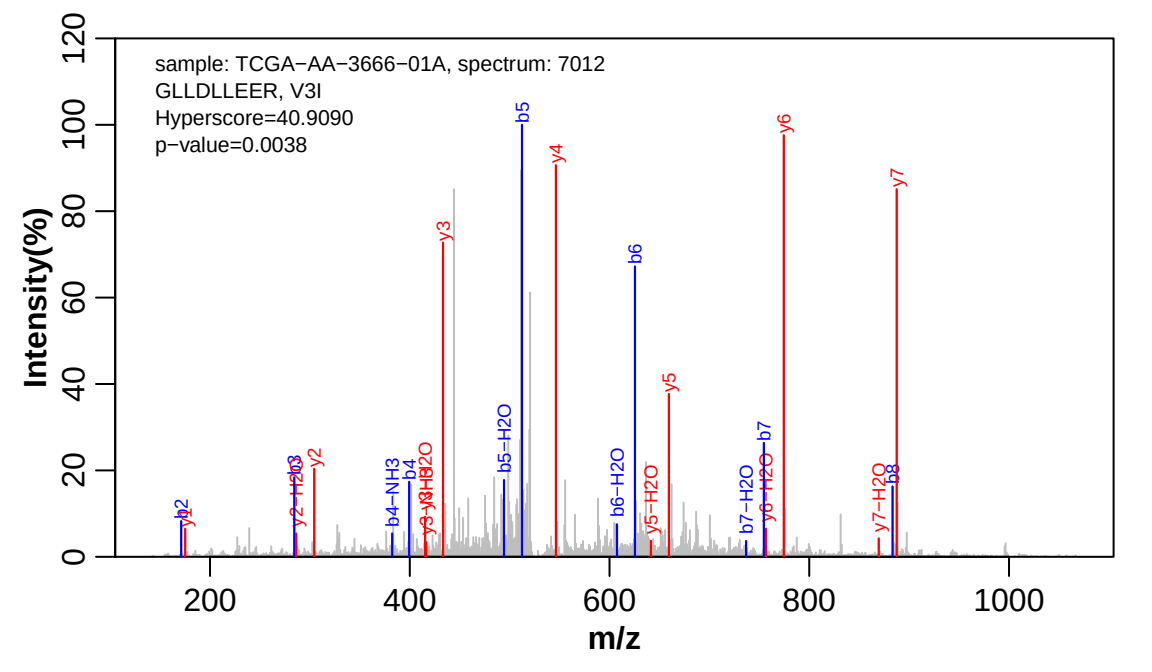

sample: TCGA−AA−3666−01A, spectrum: 71629
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=80.3313
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y12++
y13++y6−NH3
b18++−H2O
b20++−H2O
b21++
b10
b24++
b26++
b27++
b17
b18
y18
b20

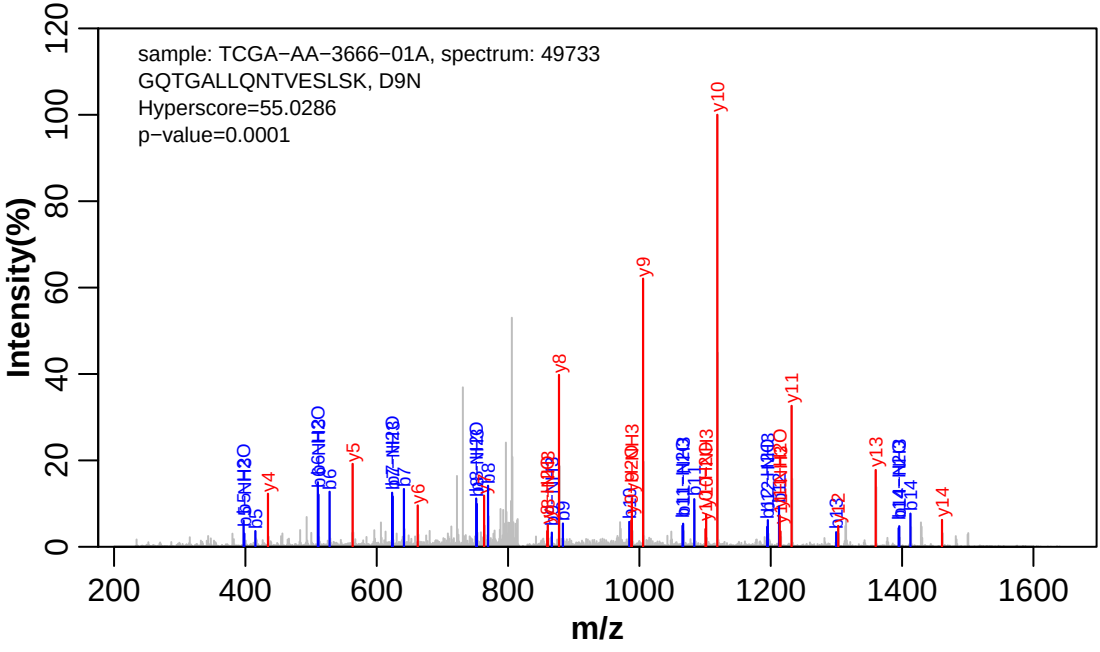

sample: TCGA−AA−3666−01A, spectrum: 90005
FYLGGPTSVR, I9V
Hyperscore=18.3074
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
b4
b5
y5
b6−H2O
y7
y8

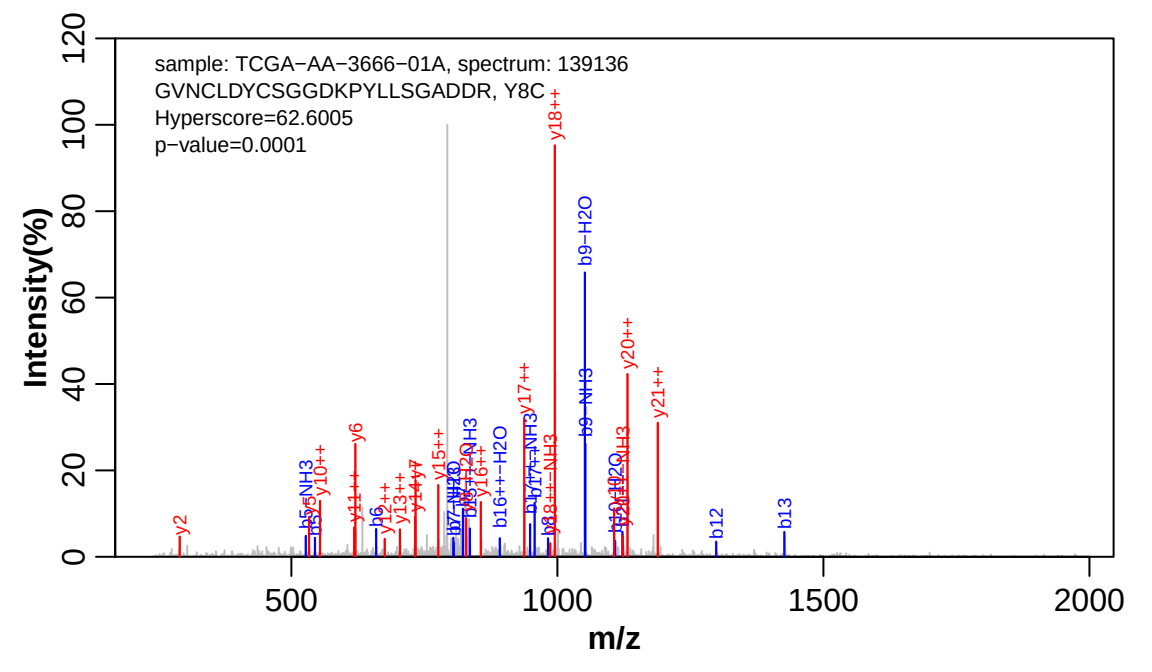

sample: TCGA−AA−3666−01A, spectrum: 57973
GALQFVTHYQQSSTQR, H11Q
Hyperscore=46.8670
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b4
y3
b8++−NH3
y12++
y13++
b10
y8

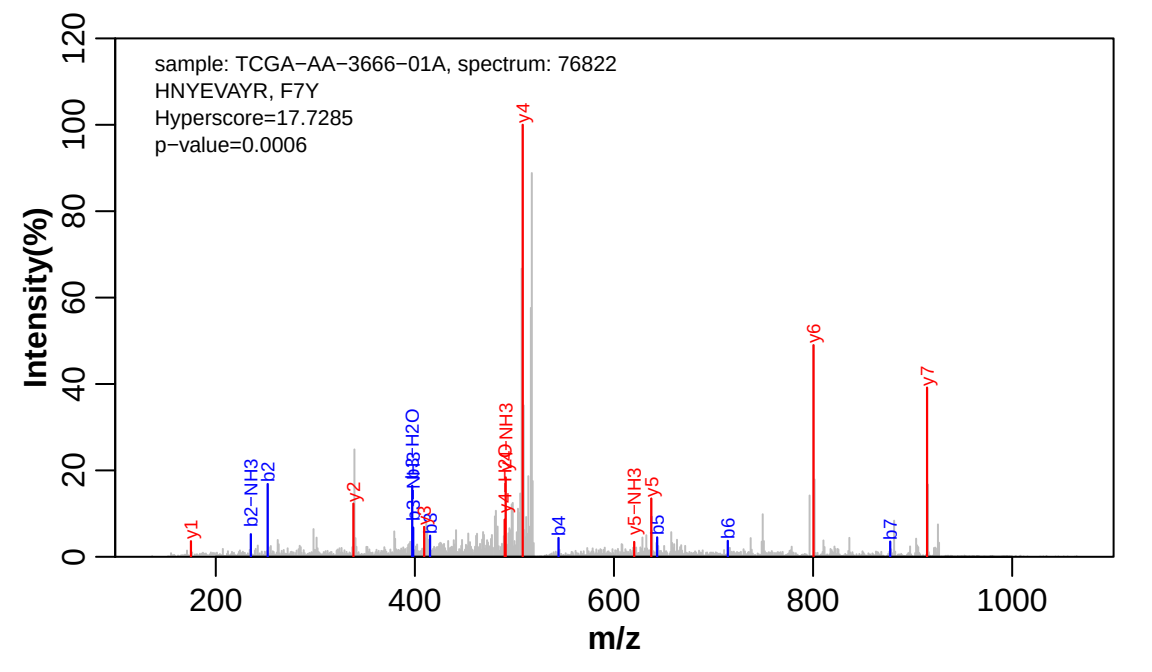

sample: TCGA−AA−3666−01A, spectrum: 7056
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=44.9399
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10
y11
y8
y6
y12
y14
y15
y4
b5
b12
b14

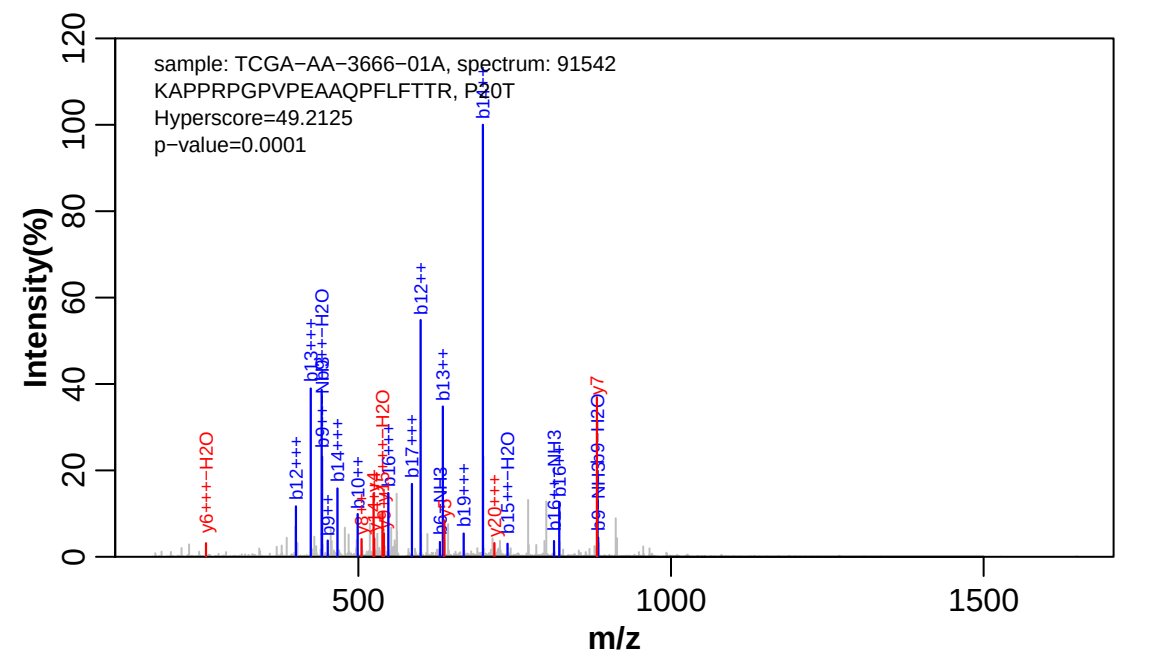

sample: TCGA−AA−3666−01A, spectrum: 128678
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=85.1658
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

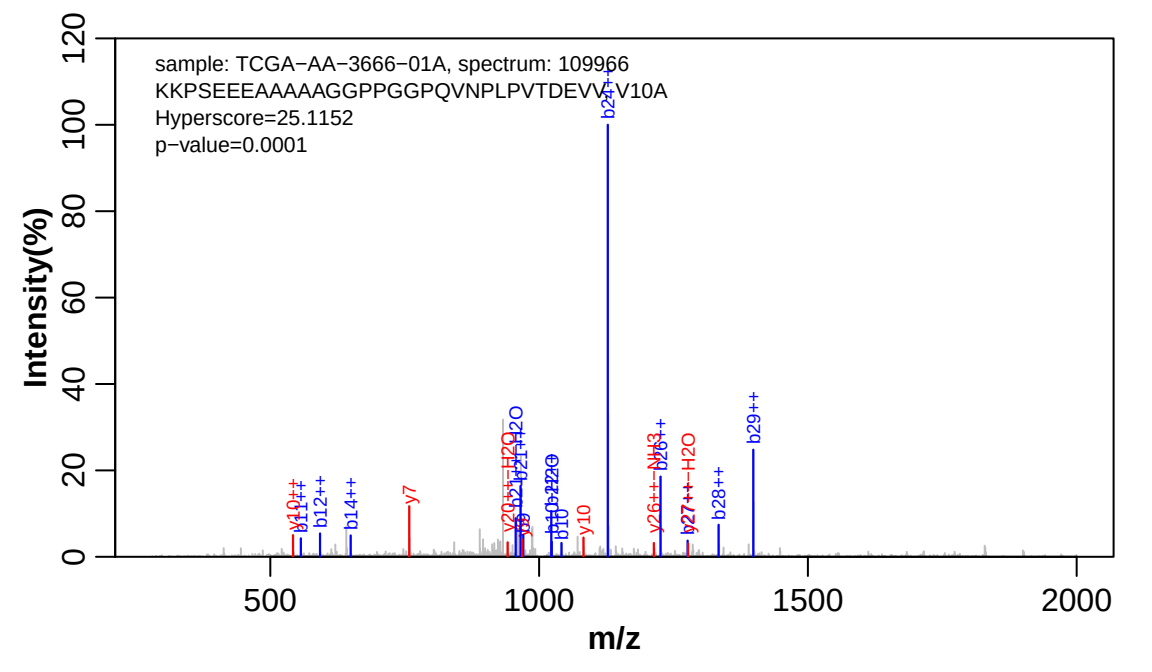

sample: TCGA−AA−3666−01A, spectrum: 7012
GLLDLLEER, V3I
Hyperscore=40.9090
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y2
b2
y2−H2O
b3
b4−NH3
b4
y3−NH3
y3−H2O
y3
b5
b5−H2O
y4
b6
b6−H2O
y5
y5−H2O
b7−H2O
b7
y6−H2O
y6
y7−H2O
b8
y7

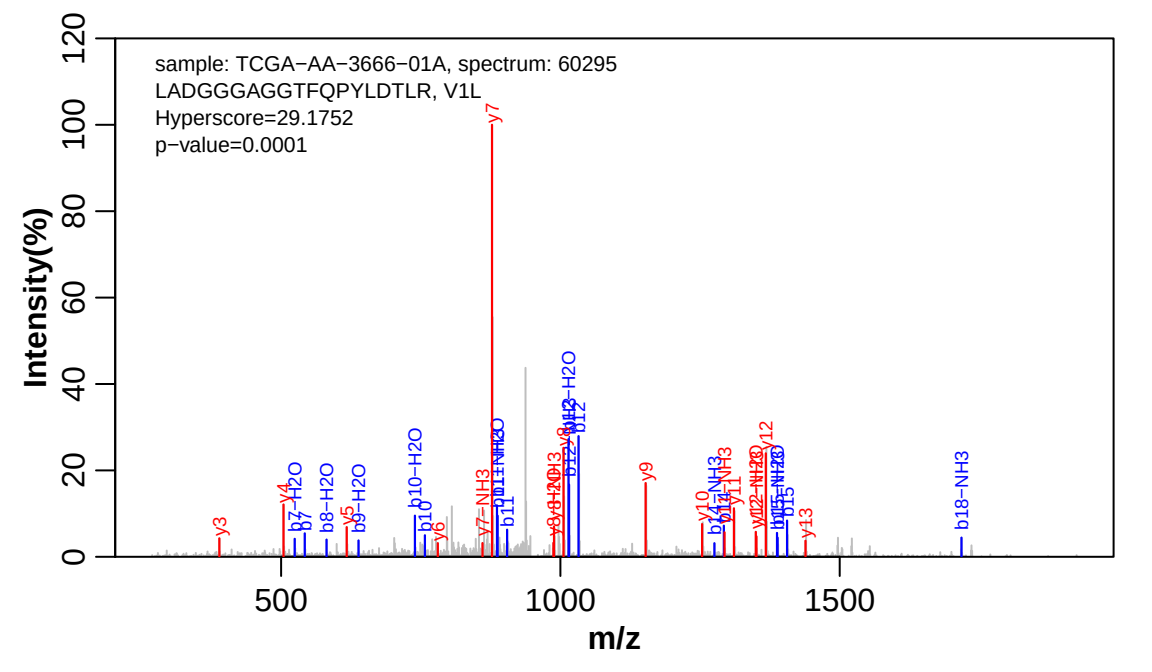

sample: TCGA−AA−3666−01A, spectrum: 49733
GQTGALLQNTVESLSK, D9N
Hyperscore=55.0286
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
y6
y5
y4

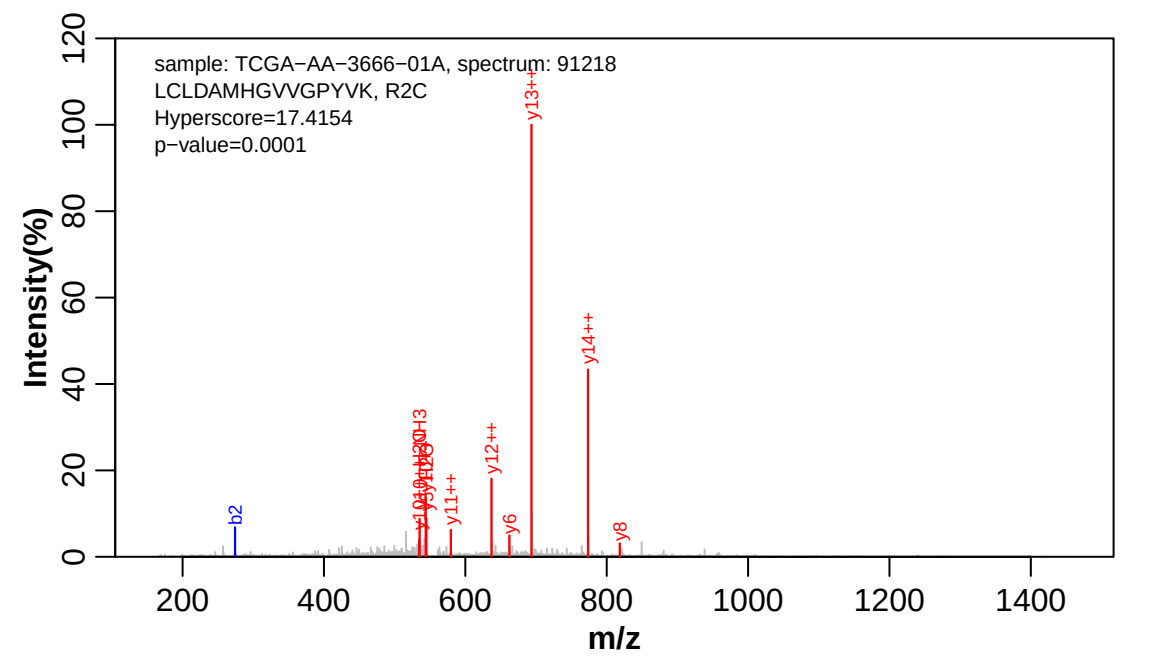

sample: TCGA−AA−3666−01A, spectrum: 139136
GVNCLDYCSGGDKPYLLSGADDR, Y8C
Hyperscore=62.6005
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b5−NH3
b5
y10++
y6
y11++
b6
y12++
y13++
y14++
y15++
b16++−H2O
y16++
y17++
b17++−NH3
b18++−NH3
y18++
b9−H2O
b9−NH3
y20++
y21++
b12
b13

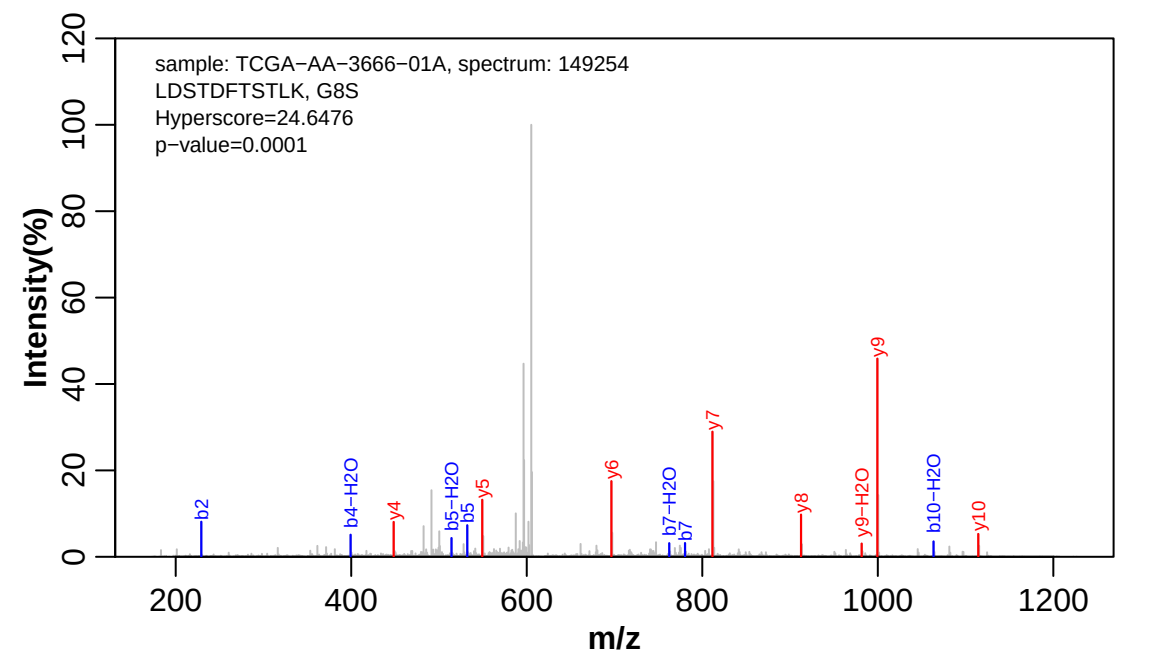

sample: TCGA−AA−3666−01A, spectrum: 76822
HNYEVAYR, F7Y
Hyperscore=17.7285
p−value=0.0006
Intensity(%)
m/z
y1
b2−NH3
b2
y2
b3−NH3
b3−H2O
b3
y4−H2O−NH3
y4
b4
y5−NH3
y5
b5
b6
y6
b7
y7

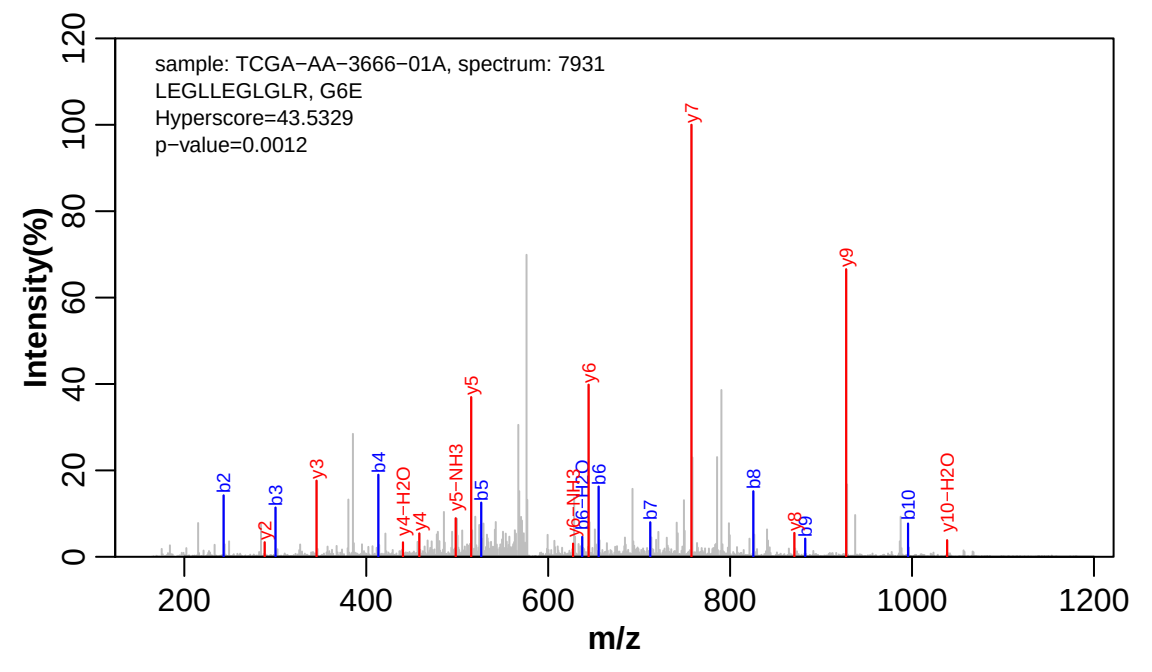

sample: TCGA−AA−3666−01A, spectrum: 91542
KAPPRPGPVPEAAQPFLFTTR, P20T
Hyperscore=49.2125
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6+++−H2O
b12+++
b13+++
b9++−NH3
b9++−H2O
b14+++
b10++
y8++
y7++
y6++
y5++
y4++
b16+++−H2O
b17+++
b12++
b6+−NH3
b13++
b19+++
b1++
y20++
b15++−H2O
b16+−NH3
b9−NH3&0−H2O
y7

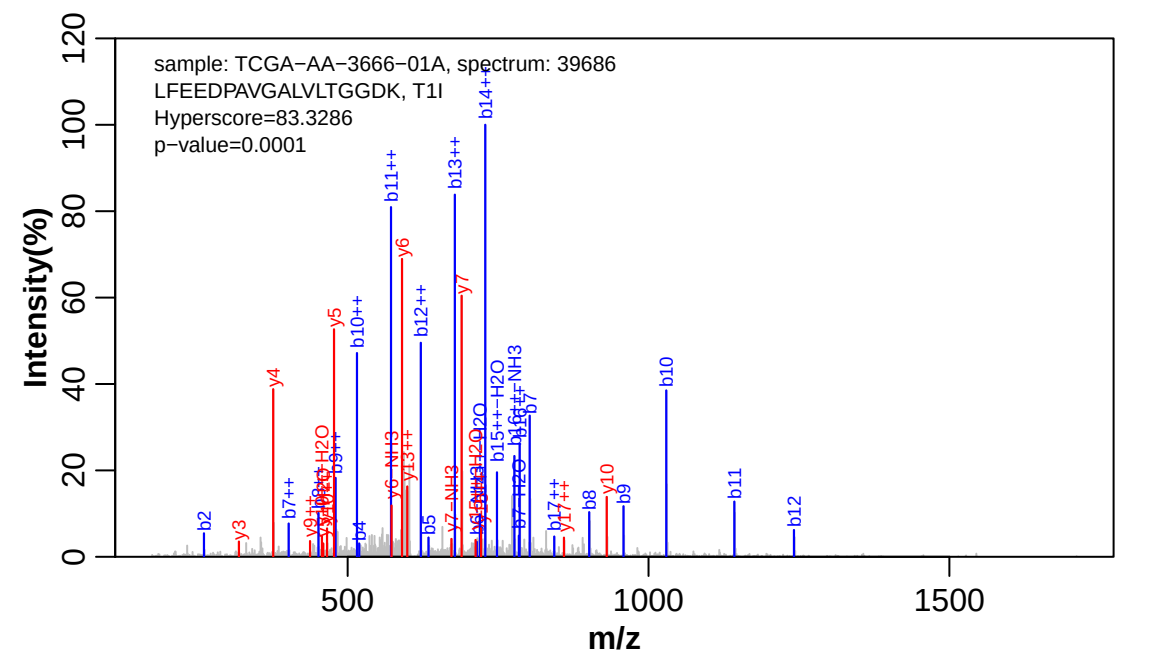

sample: TCGA−AA−3666−01A, spectrum: 109966
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV+V10A
Hyperscore=25.1152
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
b29++
b28++
b14++
b12++
y7
y10
b11++
y10++

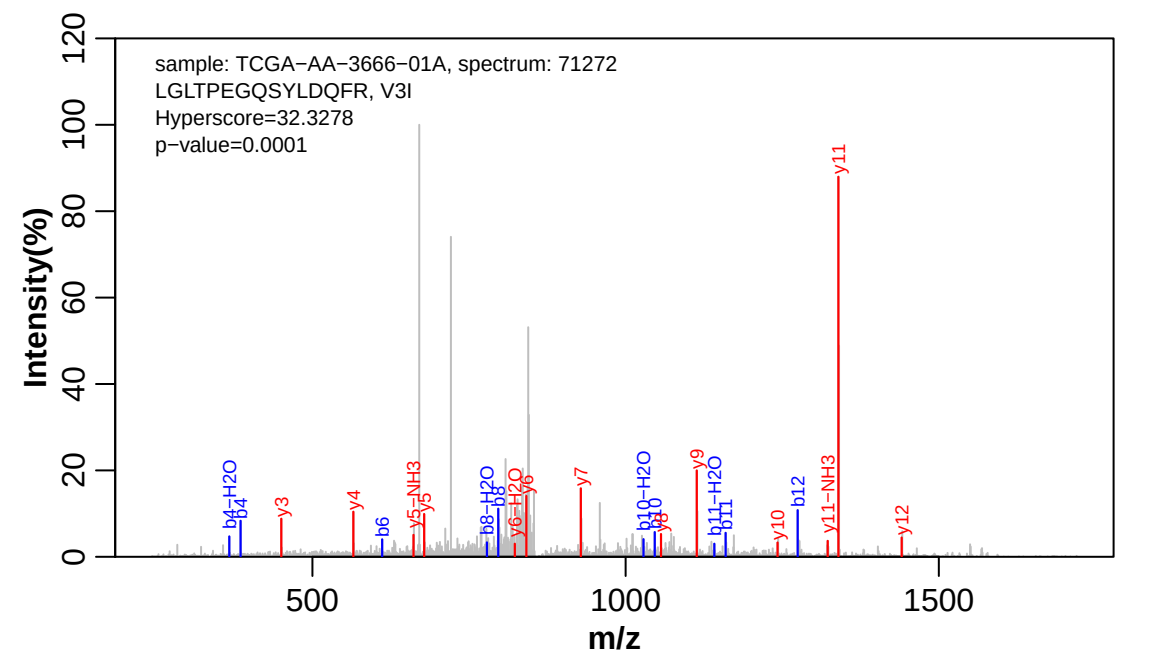

sample: TCGA−AA−3666−01A, spectrum: 60295
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=29.1752
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y3
y4
b7−H2O
b8−H2O
y5
b9−H2O
b10−H2O
b10
y6
y7−NH3
b11
b12
y9
b18−NH3

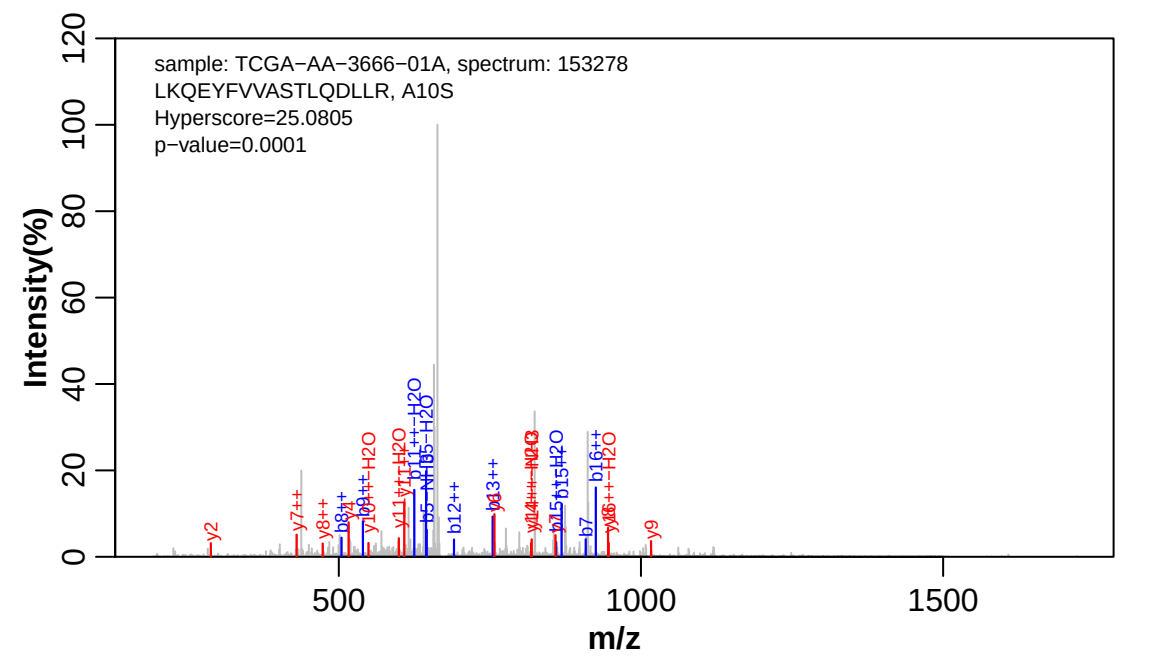

sample: TCGA−AA−3666−01A, spectrum: 91218
LCLDAMHGVVGPYVK, R2C
Hyperscore=17.4154
p−value=0.0001
Intensity(%)
m/z
b2
y11++
y12++
y6
y13++
y14++
y8
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

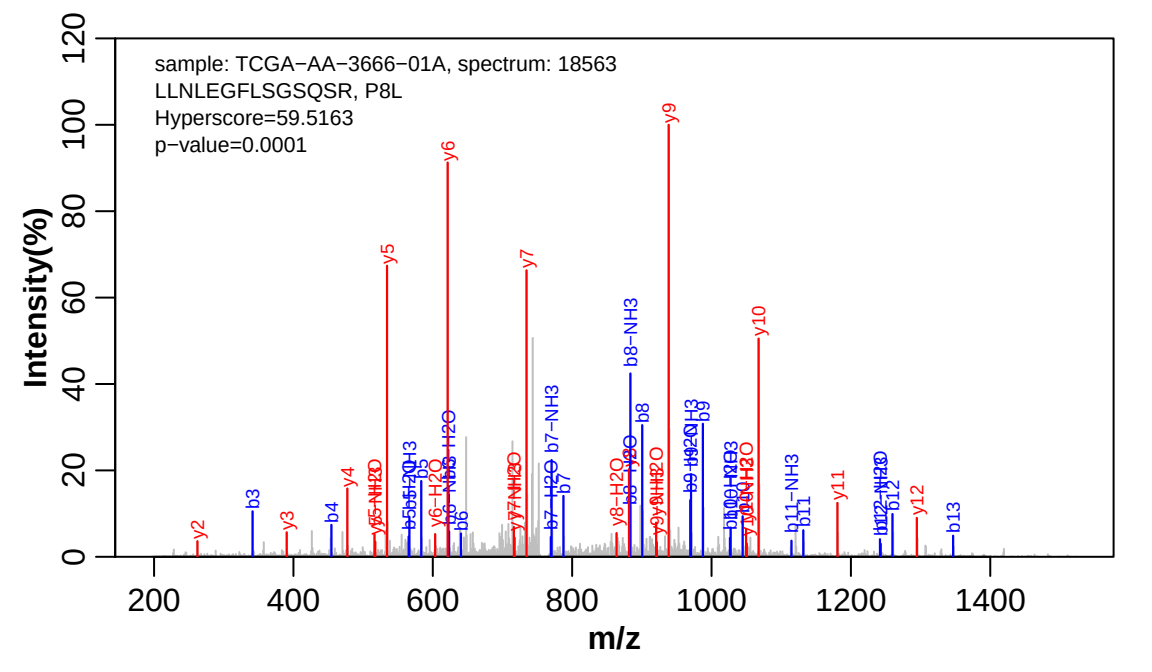

sample: TCGA−AA−3666−01A, spectrum: 149254
LDSTDFTSTLK, G8S
Hyperscore=24.6476
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7
y8
y9−H2O
y9
b10−H2O
y10

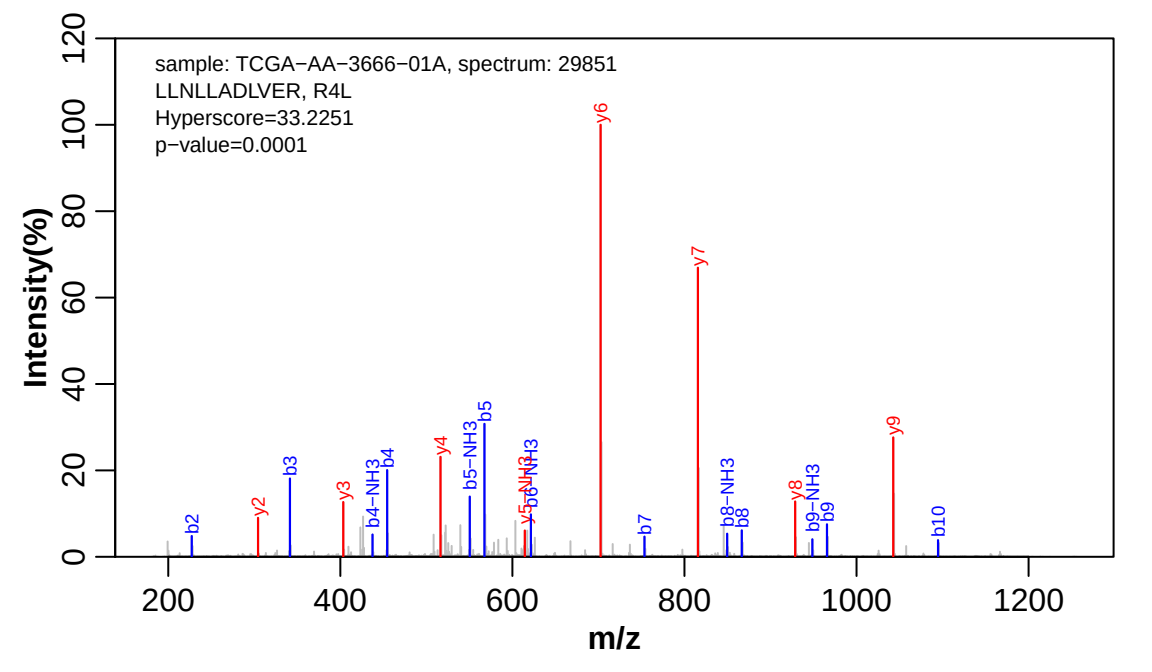

sample: TCGA−AA−3666−01A, spectrum: 7931
LEGLLEGLGLR, G6E
Hyperscore=43.5329
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4
y4−H2O
y4
y5−NH3
y5
b5
y6−NH3
y6−H2O
y6
b6
b7
y7
b8
y8
b9
y9
b10
y10−H2O

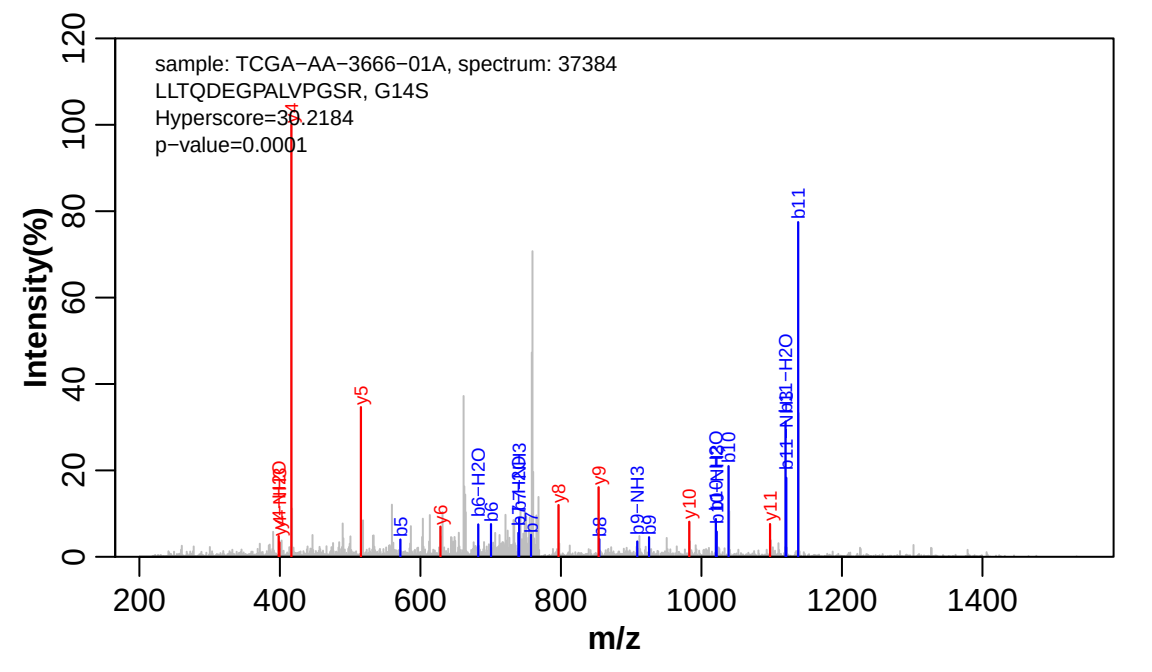

sample: TCGA−AA−3666−01A, spectrum: 39686
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=83.3286
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b7++
y4
y5
b10++
b9++
b4
b5
y6−NH3
y13++
b11++
y6
b12++
y7−NH3
b13++
y7
b14++
b15++−H2O
b16++−NH3
b7
b17++
y17++
b8
y10
b9
b10
b11
b12

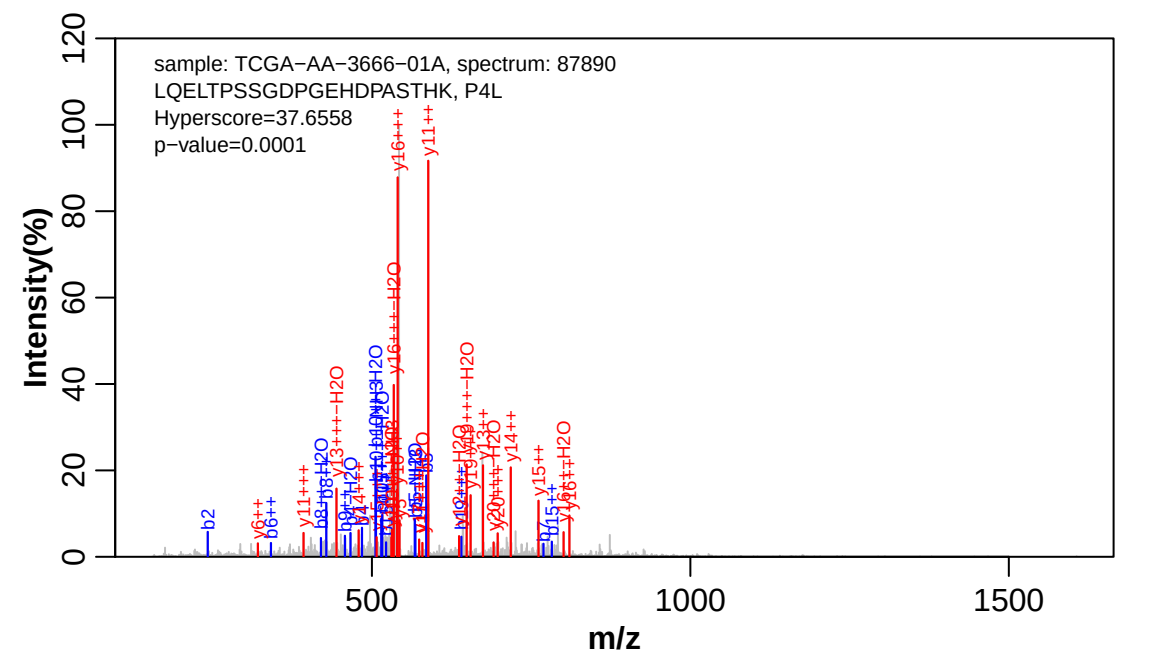

sample: TCGA−AA−3666−01A, spectrum: 71272
LGLTPEGQSYLDQFR, V3I
Hyperscore=32.3278
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
b4
y3
y4
b6
y5−NH3
y5
b8−H2O
b8
y6−H2O
y6
y7
b10−H2O
b10
y8
y9
b11−H2O
b11
y10
b12
y11−NH3
y11
y12

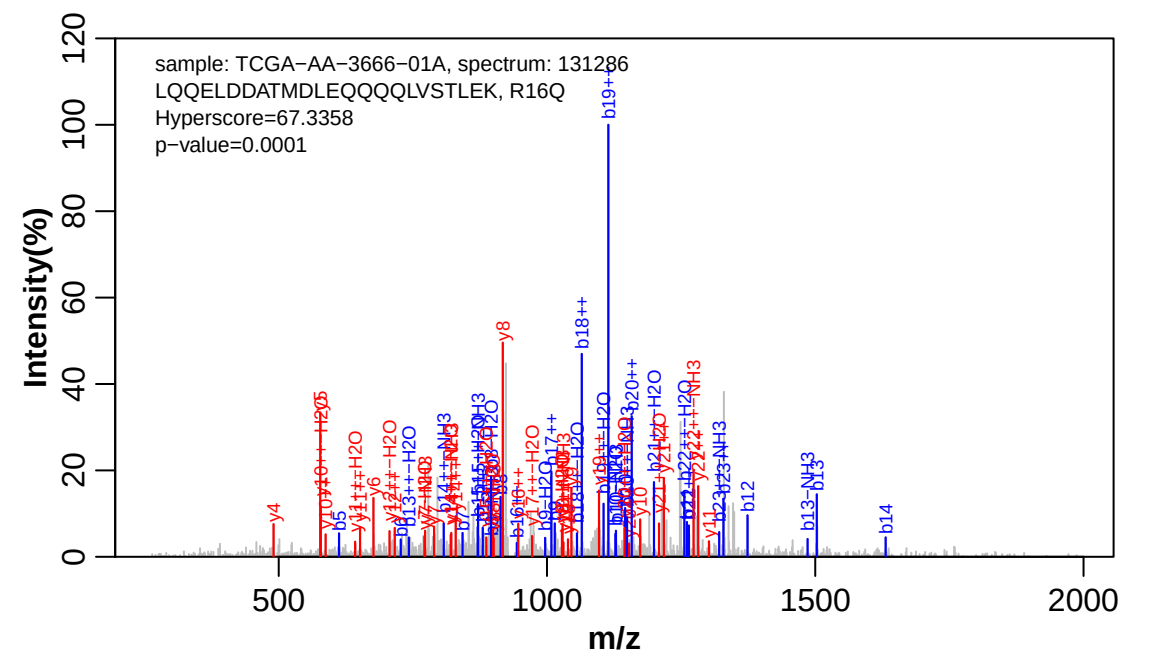

sample: TCGA−AA−3666−01A, spectrum: 153278
LKQEYFVVASTLQDLLR, A10S
Hyperscore=25.0805
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y7++
y8++
b8++
b9++
y10++−H2O
y11++−H2O
y11++−H2O
b11++−H2O
b5−NH3
b5−H2O
b12++
b13++
y14++−H2O
y14++−H2O
b15++−H2O
b15++−H2O
b7
b16++
y16++−H2O
y9

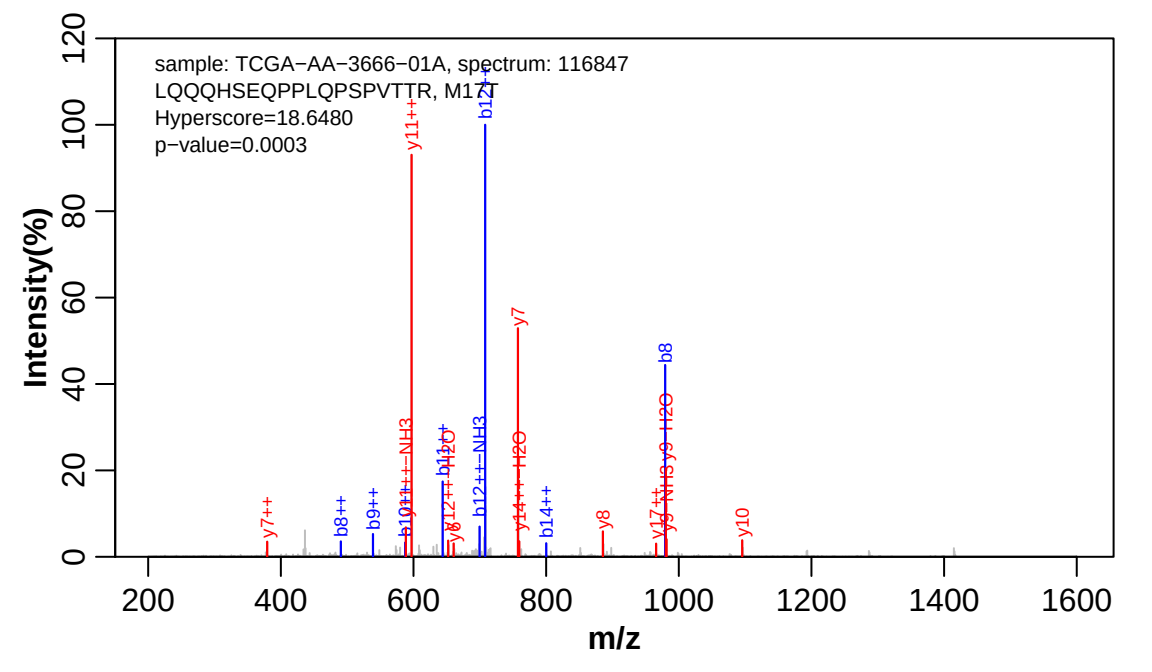

sample: TCGA−AA−3666−01A, spectrum: 18563
LLNLEGFLSGSQSR, P8L
Hyperscore=59.5163
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
y4
y5
y6
y7
b7
b8
y8
y9
y10
y11
y12
b13

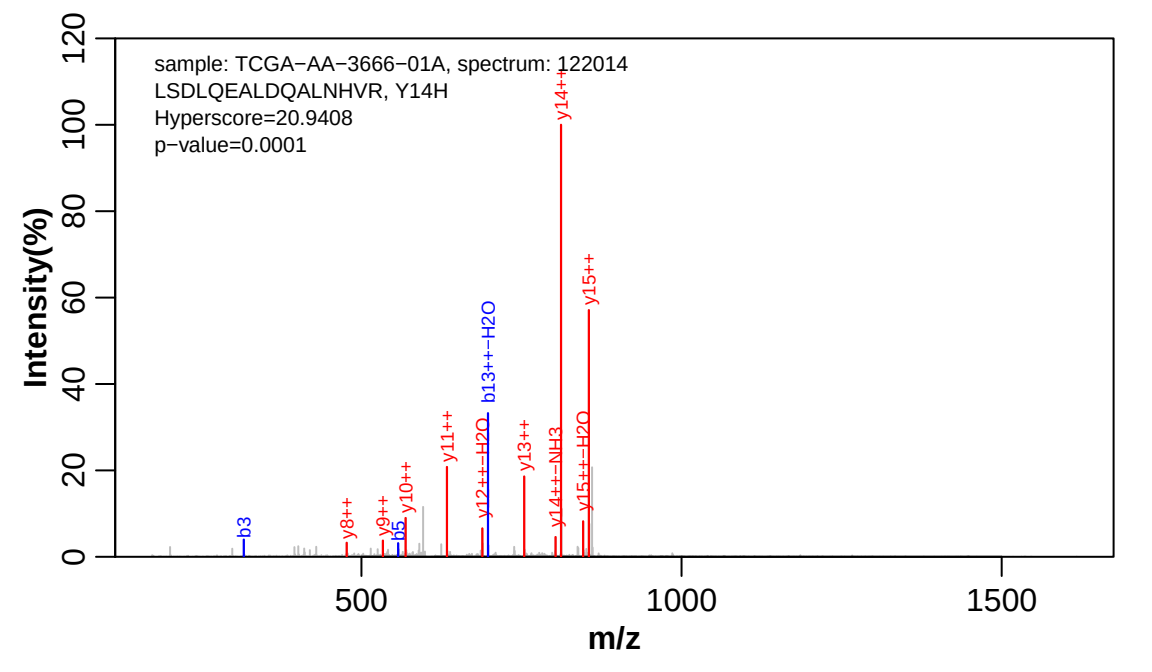

sample: TCGA−AA−3666−01A, spectrum: 29851
LLNLLADLVER, R4L
Hyperscore=33.2251
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

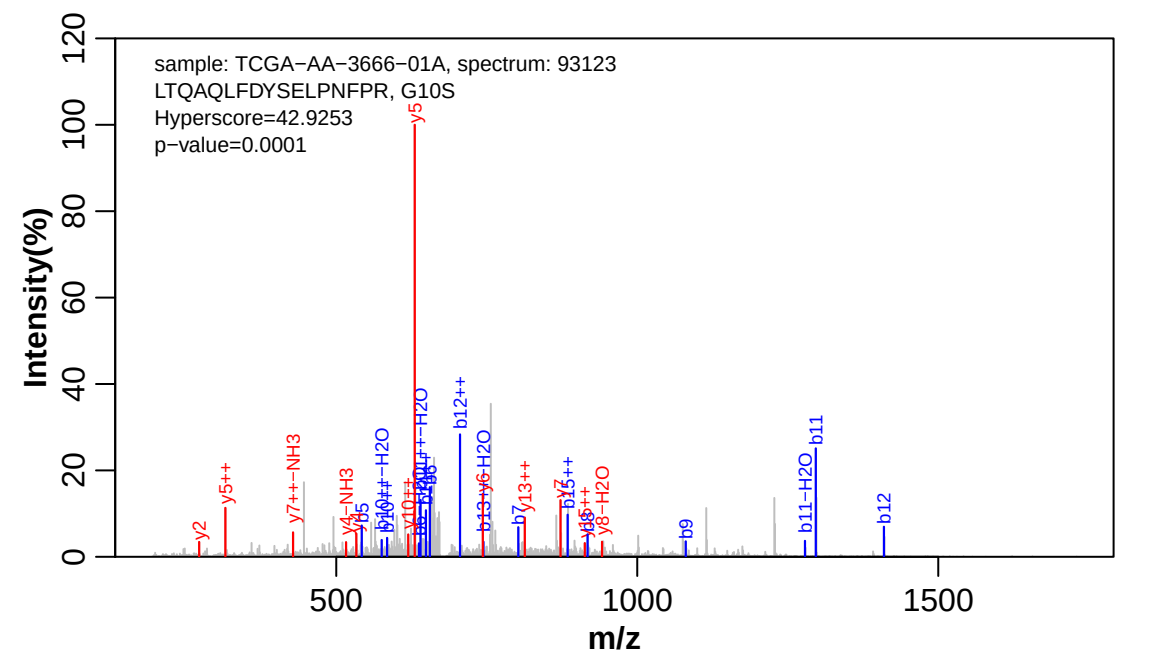

sample: TCGA−AA−3666−01A, spectrum: 37384
LLTQDEGPALVPGSR, G14S
Hyperscore=39.2184
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y1
y5
y6
y8
y9
y10
y11
b5
b6
b6−H2O
b8
b8−NH3
b9
b10
b11
b11−H2O

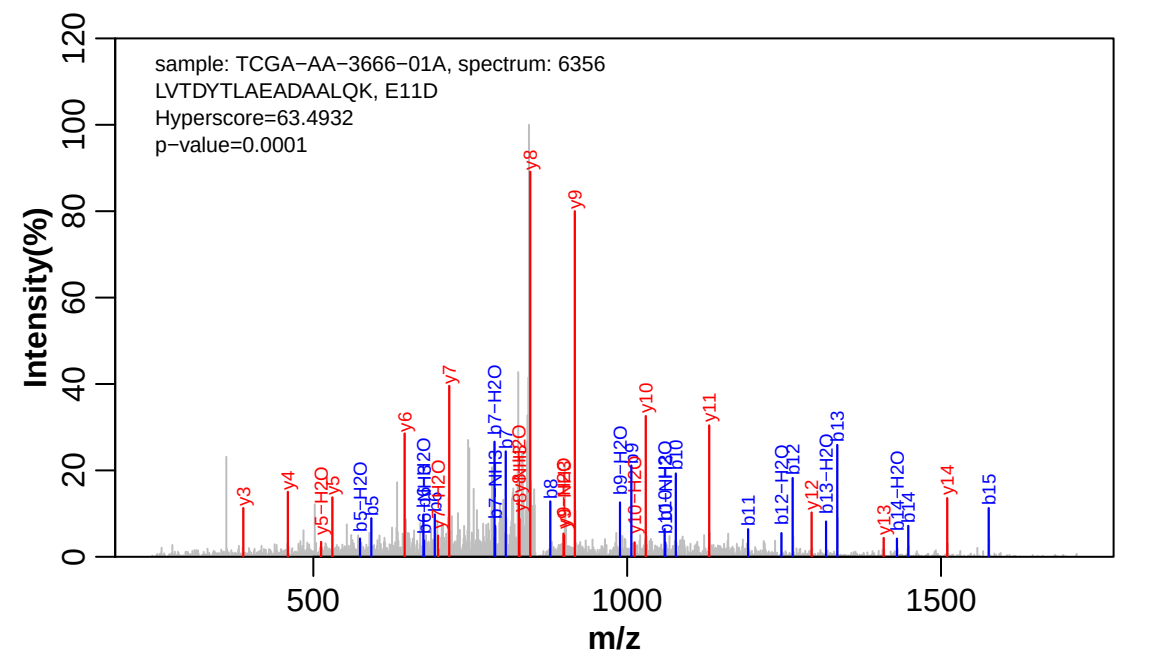

sample: TCGA−AA−3666−01A, spectrum: 87890
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=37.6558
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y6++
b6++
y11+++
b8+−H2O
b8+
y13+++−H2O
y16+++
y11++
y16+++−H2O
y13++
y14++
y15++
b7
b15++
y16++−H2O

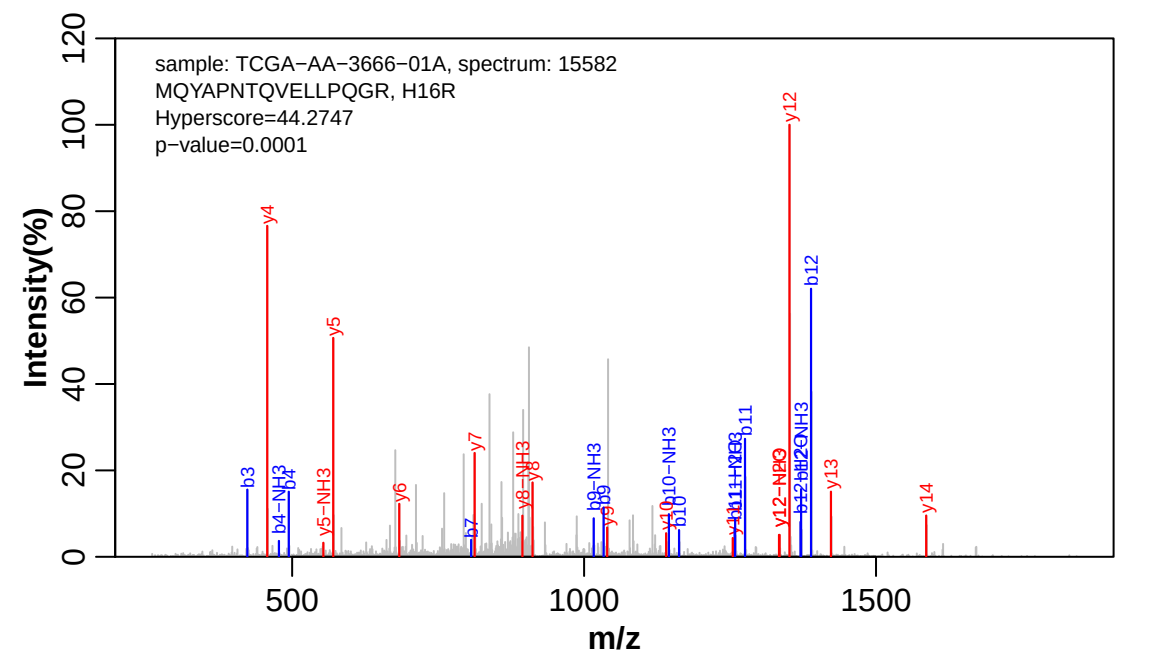

sample: TCGA−AA−3666−01A, spectrum: 131286
LQQELDDATMDLEQQQQLVSTLEK, R16Q
Hyperscore=67.3358
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b19++
y8
b18++
y4
b14
b12
b13
b13−NH3

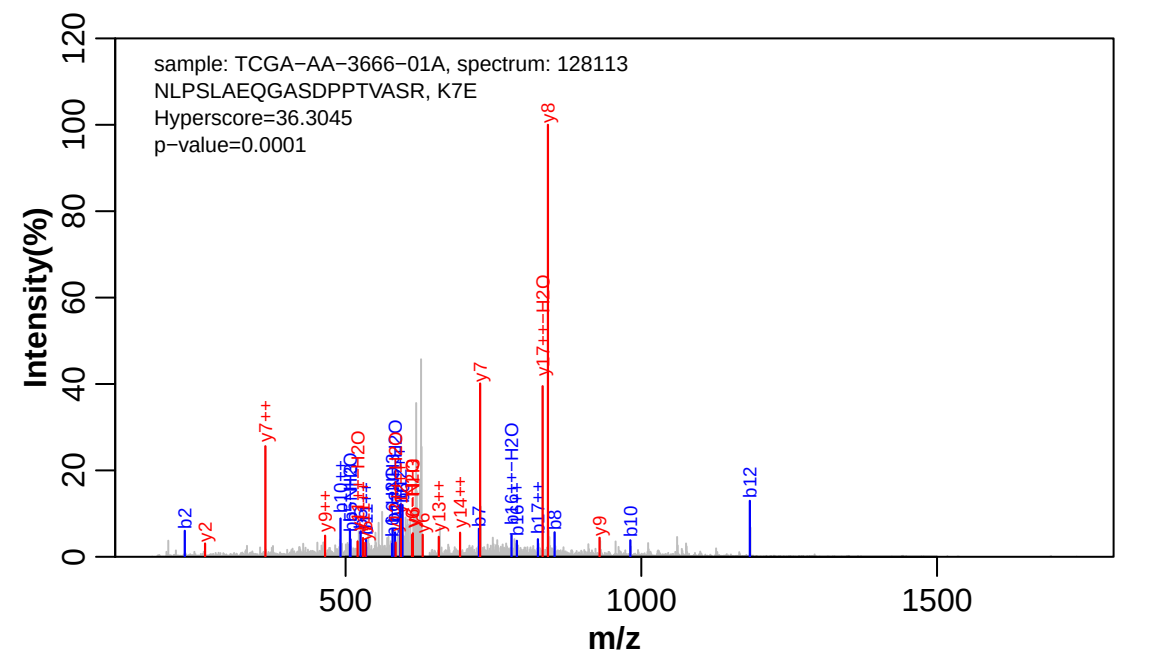

sample: TCGA−AA−3666−01A, spectrum: 116847
LQQQHSEQPPLQPSPVTTR, M12T
Hyperscore=18.6480
p−value=0.0003
Intensity(%)
m/z
y7++
b8++
b9++
b10++−NH3
y11++
b11++
y12++ H2O
y8++
b12++
b12++−NH3
y7
y14++ H2O
b14++
y8
y17++
y9 NH3 y9 H2O
b8
y10

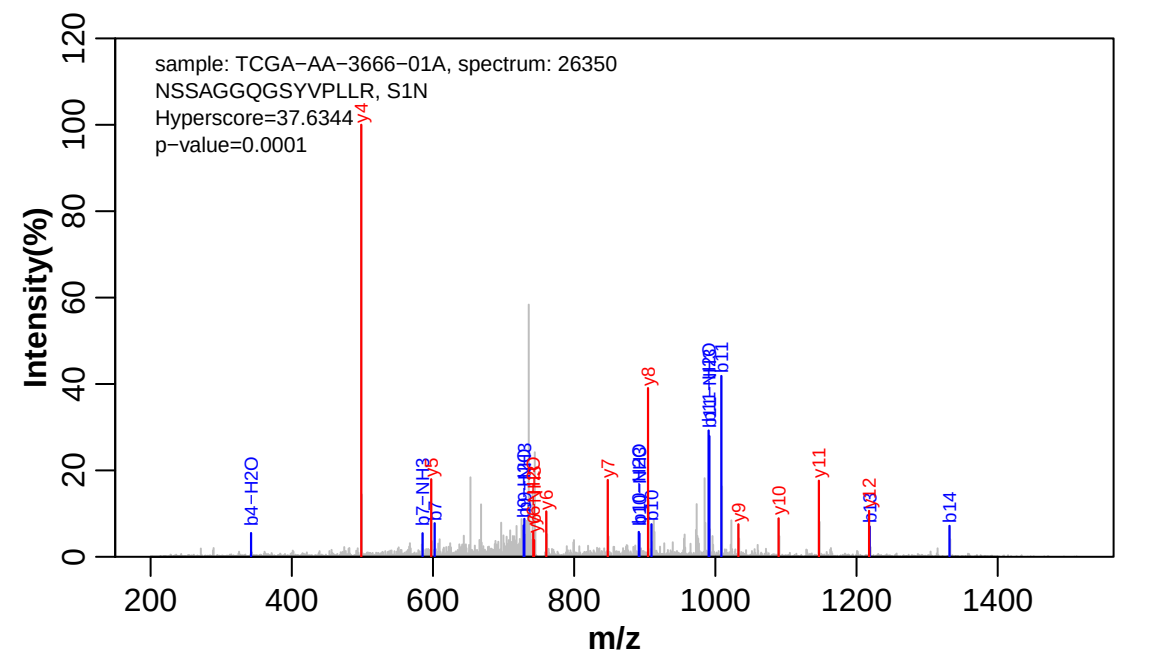

sample: TCGA−AA−3666−01A, spectrum: 122014
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.9408
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y8++
y9++
b5
y10++
y11++
y12++−H2O
b13++−H2O
y13++
y14++−NH3
y15++−H2O
y14++
y15++

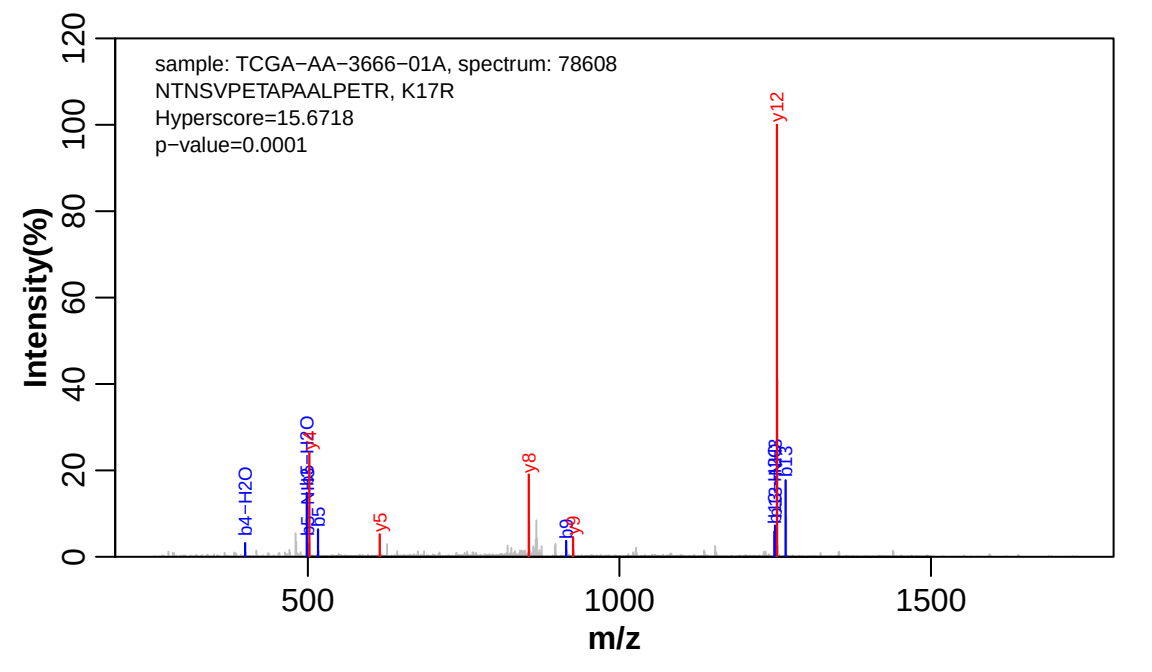

sample: TCGA−AA−3666−01A, spectrum: 93123
LTQAQLFDYSELPNFPR, G10S
Hyperscore=42.9253
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y5++
y7++−NH3
y4−NH3
y5
b10++−H2O
b12++
b13++y6−H2O
b7
y13++
y7
b15++
y8−H2O
b9
b11−H2O
b11
b12

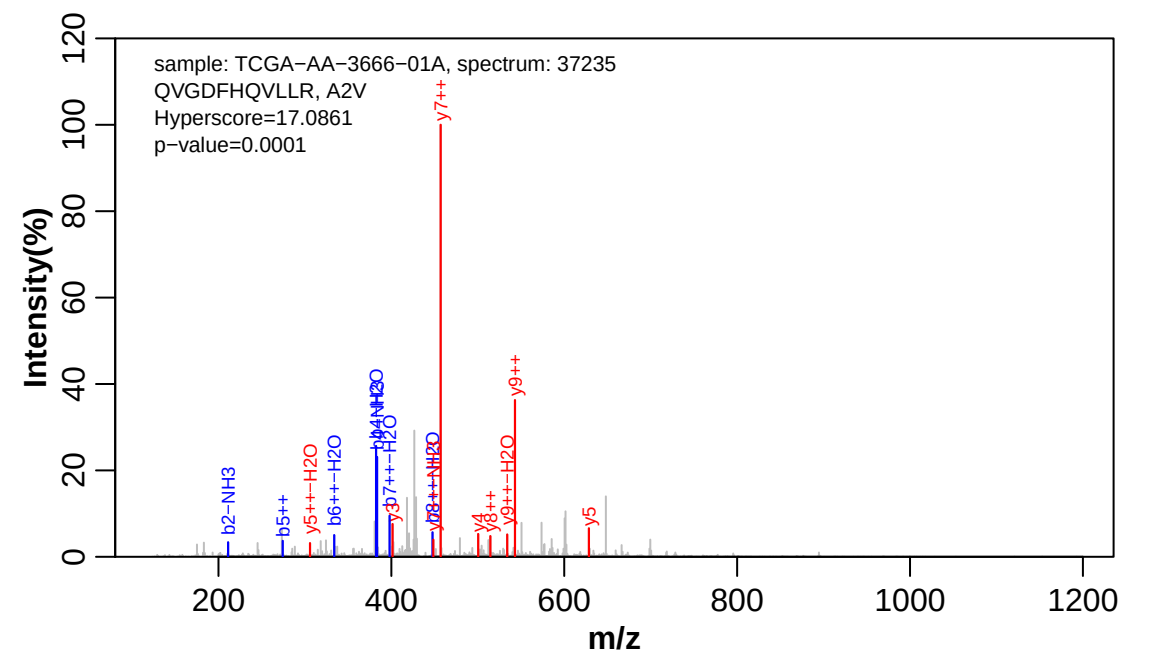

sample: TCGA−AA−3666−01A, spectrum: 6356
LVTDYTLAEADAALQK, E11D
Hyperscore=63.4932
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5−H2O
y5
b5−H2O
b5
y6
y7
b7−NH3
b7−H2O
y8
y9
b8
b9−H2O
y10
y10−H2O
b10−NH3
b10
y11
b11
b12−H2O
b12
y12
b13−H2O
b13
y13
b14−H2O
b14
y14
b15

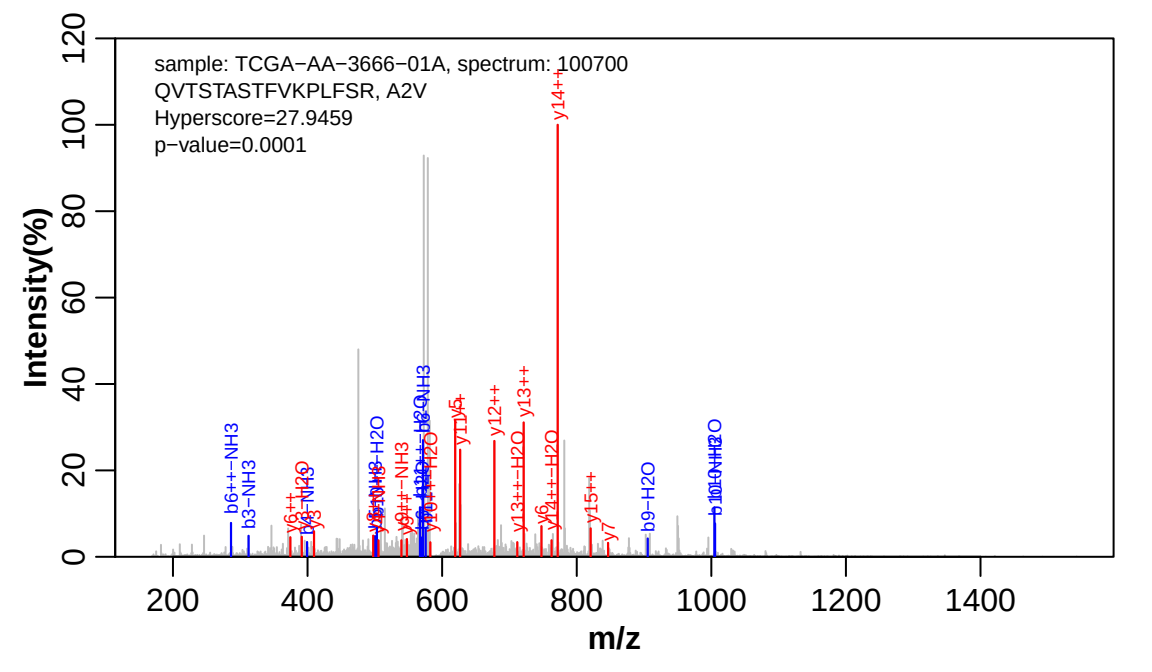

sample: TCGA−AA−3666−01A, spectrum: 15582
MQYAPNTQVELLPQGR, H16R
Hyperscore=44.2747
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
y4
b4
b4−NH3
y5
y5−NH3
y6
y7
b7
y8
y8−NH3
b8−NH3
y9
b9
y10
b10
b10−NH3
b11
y12
b12
y13
y14

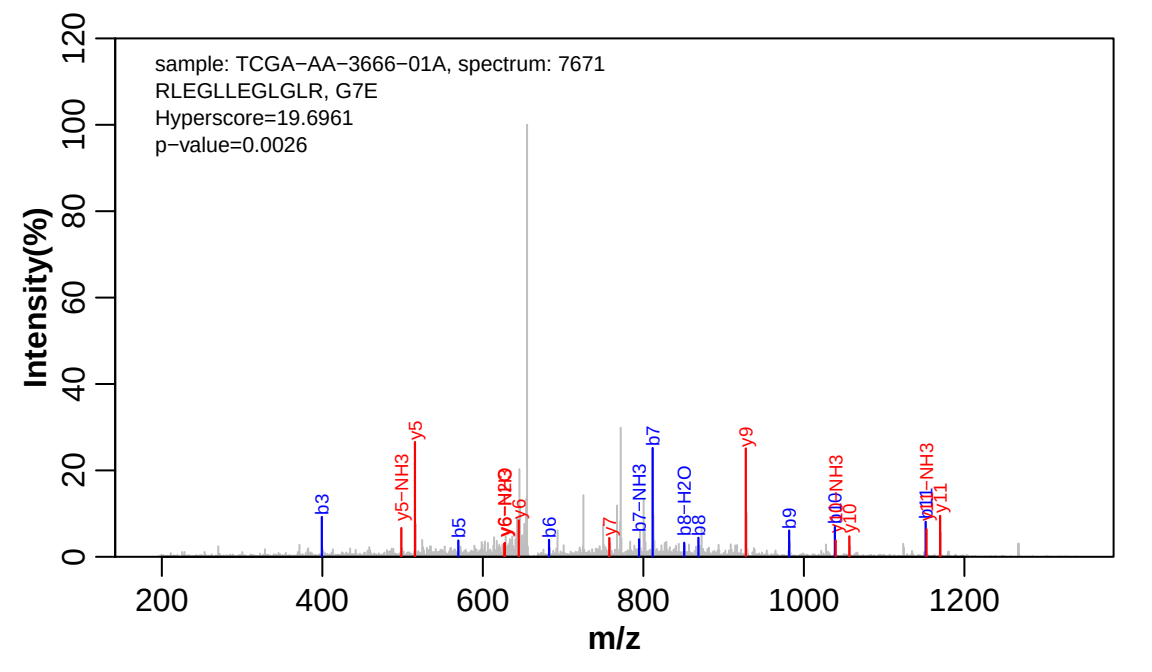

sample: TCGA−AA−3666−01A, spectrum: 128113
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=36.3045
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
y7++
y9++
y7
y14++
y13++
y17++−H2O
y8
b8
y9
b10
b12

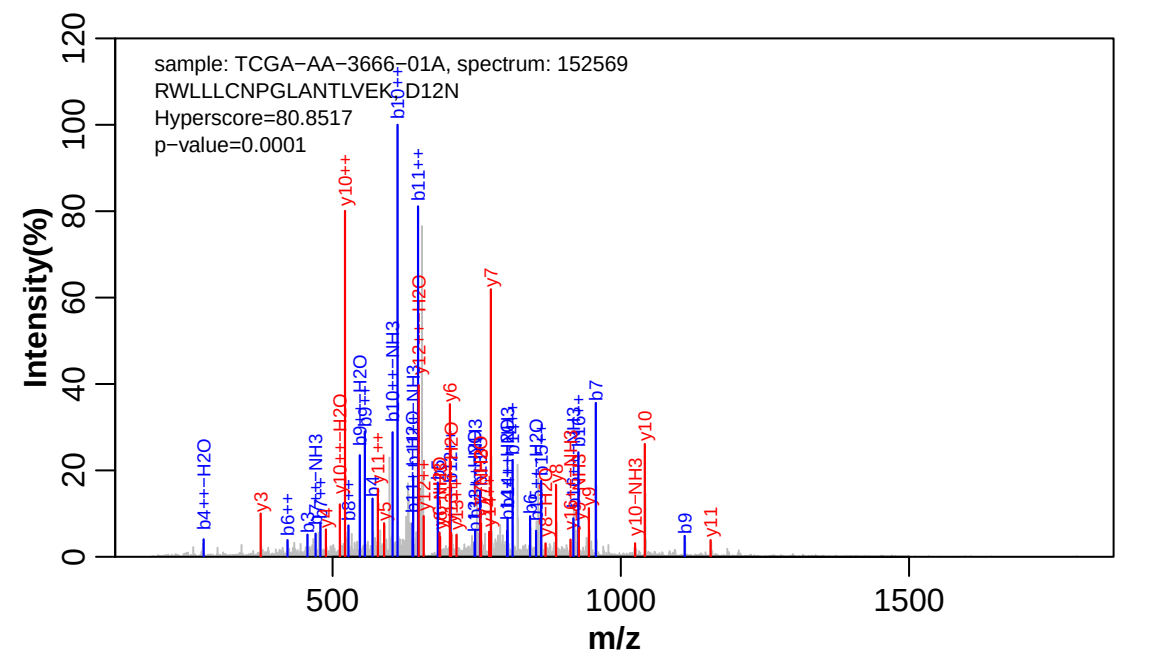

sample: TCGA−AA−3666−01A, spectrum: 26350
NSSAGGQGSYVPLLR, S1N
Hyperscore=37.6344
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
b4−H2O
b7−NH3
b7
y3
y8
y7
y6
y9
y10
y11
b14

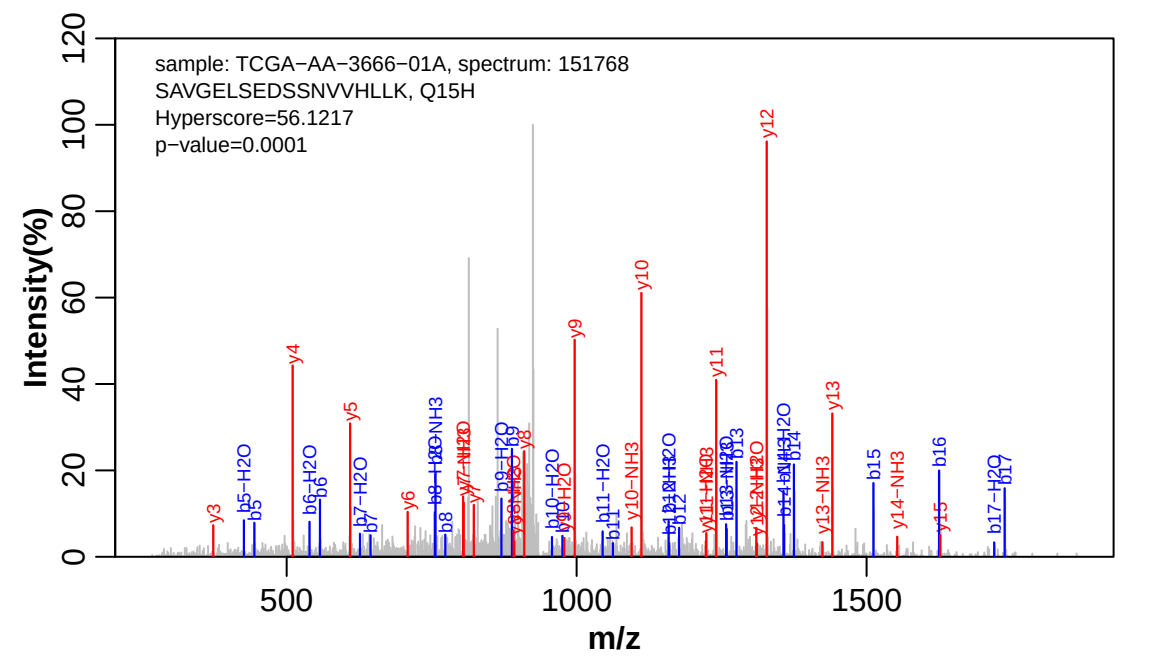

sample: TCGA−AA−3666−01A, spectrum: 78608
NTNSVPETAPAALPETR, K17R
Hyperscore=15.6718
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
y5
y8
y12

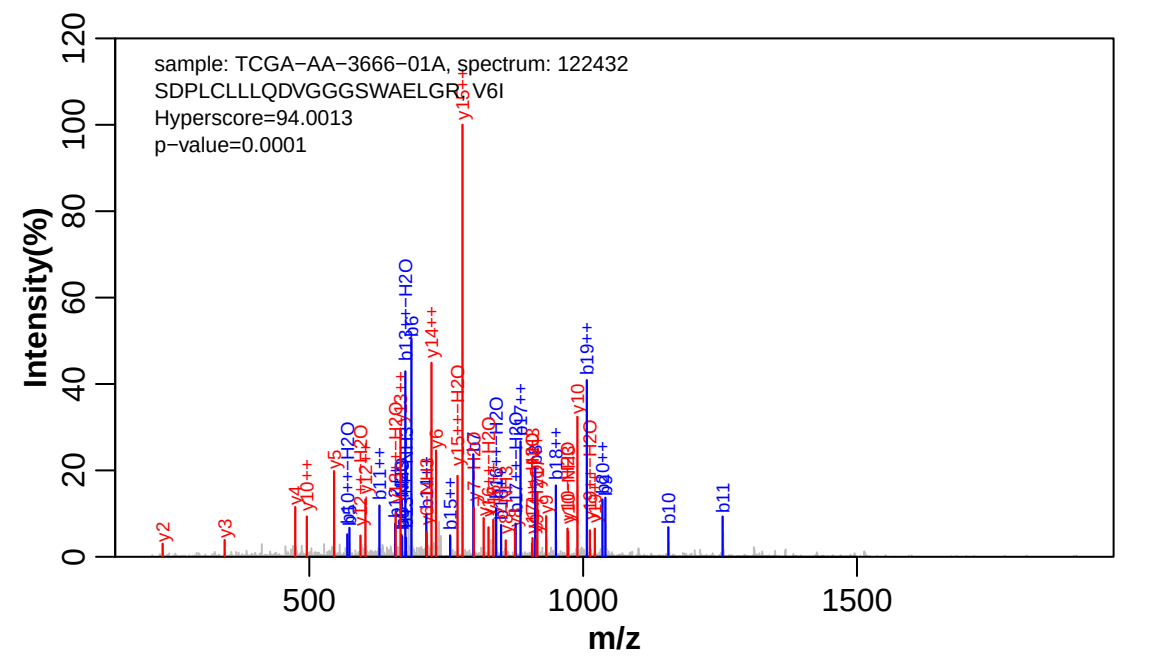

sample: TCGA−AA−3666−01A, spectrum: 37235
QVGDFHQVLLR, A2V
Hyperscore=17.0861
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−NH3
b5++
y5++−H2O
b6++−H2O
y7++
y7++−H2O
y3
y8++−NH2O
y4
y8++
y9++−H2O
y9++
y5

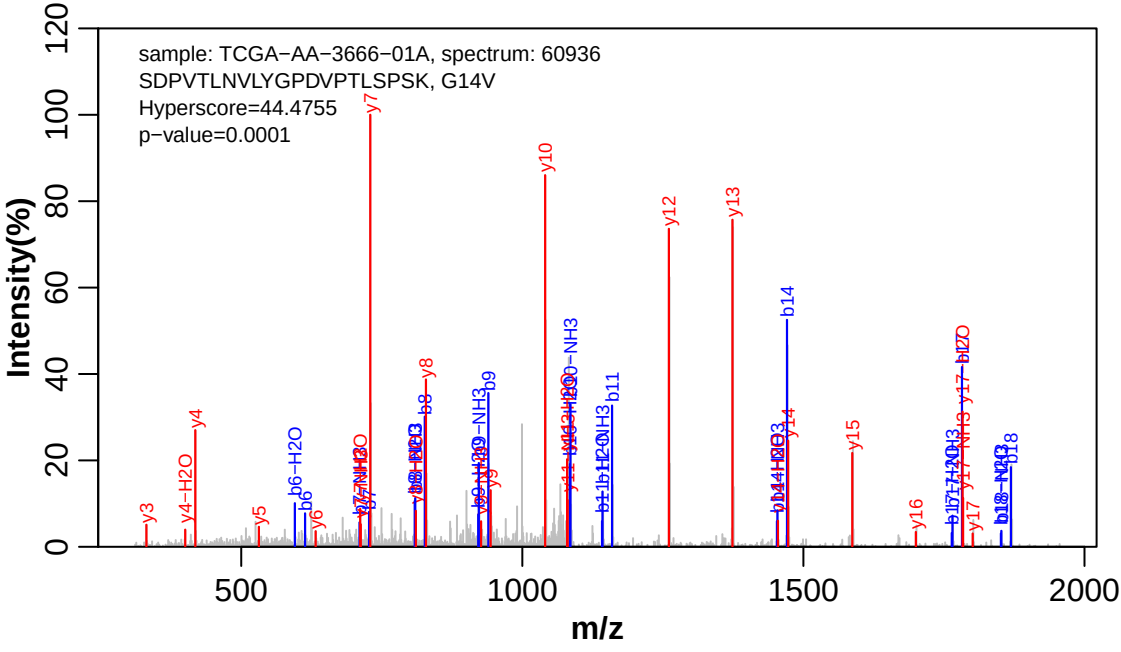

sample: TCGA−AA−3666−01A, spectrum: 100700
QVTSTASTFVKPLFSR, A2V
Hyperscore=27.9459
p−value=0.0001
Intensity(%)
m/z
y14++
b6++−NH3
b3−NH3
y6++
y3−NH3
y3
y12++
y13++
y13++−H2O
y6
y14++−H2O
y15++
y7
b9−H2O
b10−NH3
b10−H2O

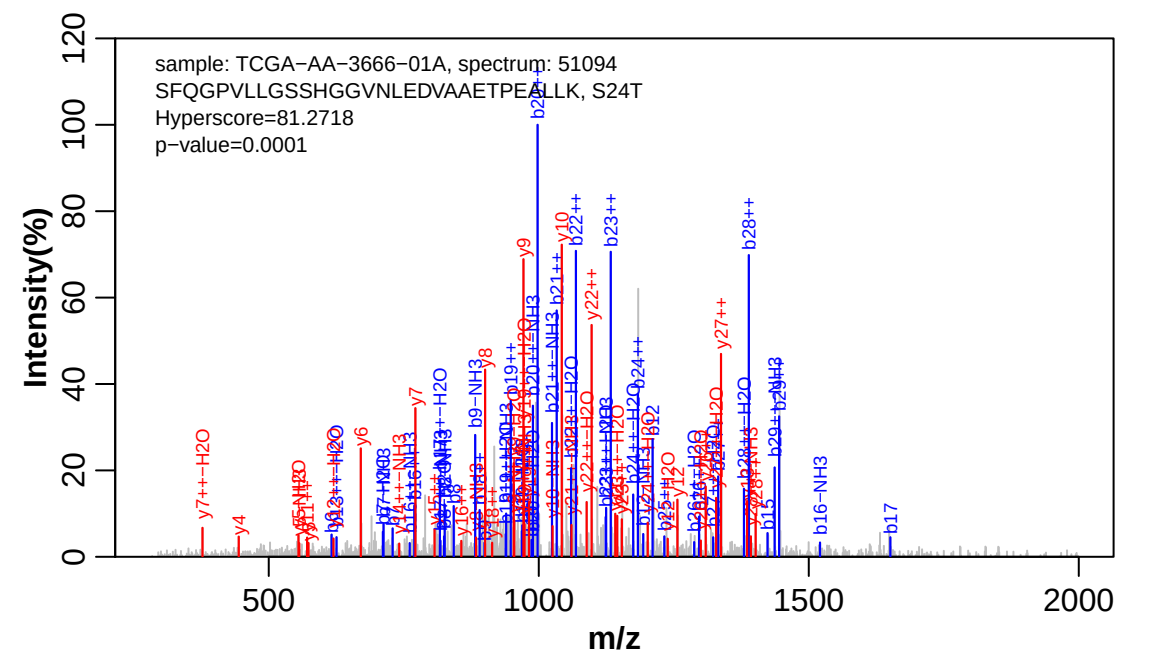

sample: TCGA−AA−3666−01A, spectrum: 7671
RLEGLLEGLGLR, G7E
Hyperscore=19.6961
p−value=0.0026
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
y5−NH3
y5
b5
y6−NH3
y6
b6
y7
b7−NH3
b7
b8−H2O
b8
y9
b9
y10−NH3
y10
y11−NH3
y11

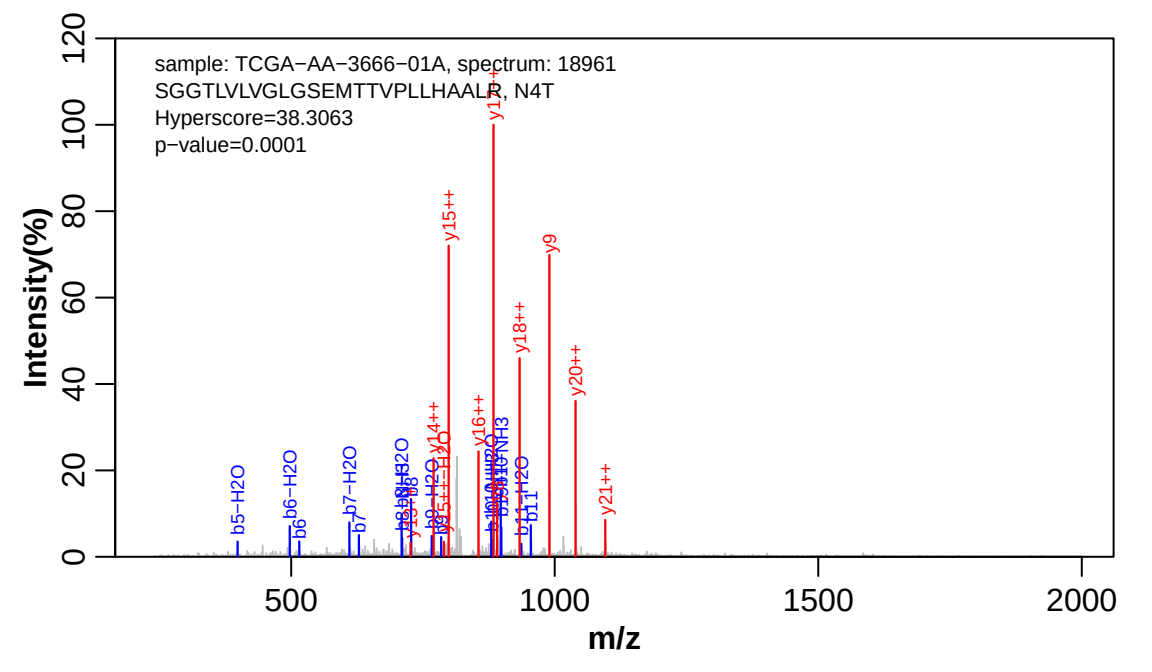

sample: TCGA−AA−3666−01A, spectrum: 152569
RWLLLCNPGLANTLVEK_D12N
Hyperscore=80.8517
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4++−H2O
y3
b6++
b3
b7++−NH3
y4
y10++−H2O
b8++
b9++H2O
y11++
y5
b10++−NH3
b11++
y12++−H2O
y6
y7
b10++
b11++
b7
y10−NH3
y10
b9
y11

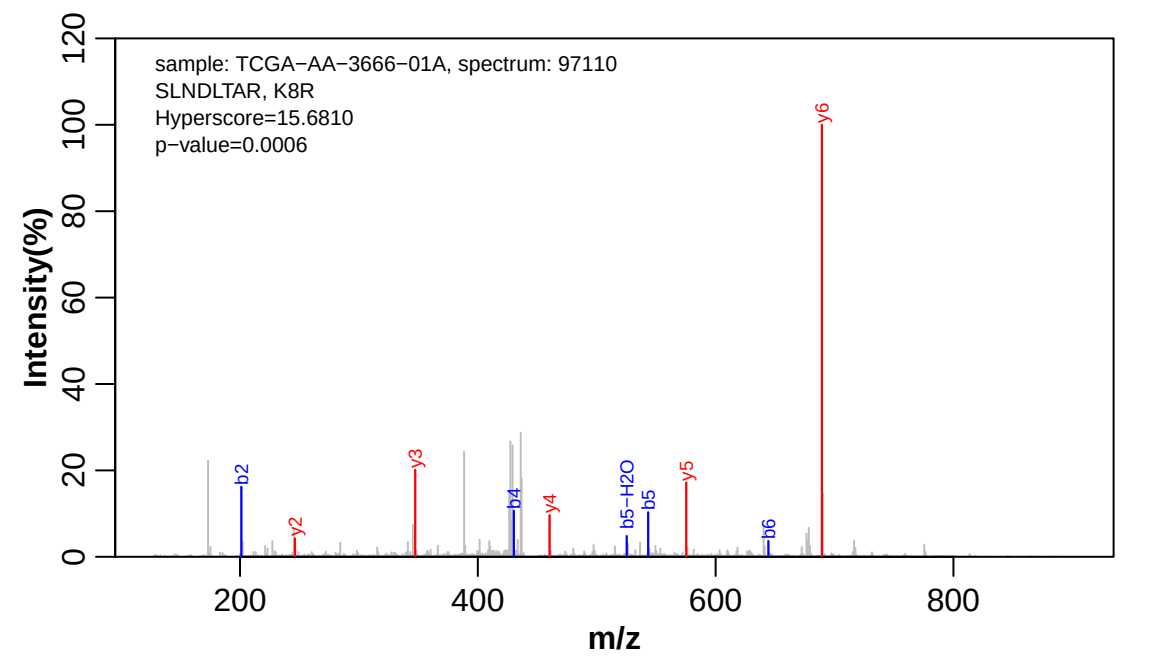

sample: TCGA−AA−3666−01A, spectrum: 151768
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=56.1217
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
y6
y7
y8
y9
y10
y11
y12
y13
b5
b6
b7
b8
b9
b10
b11
b15
b16
b17
y10−NH3
y13−NH3
y14−NH3
y15
b17−H2O

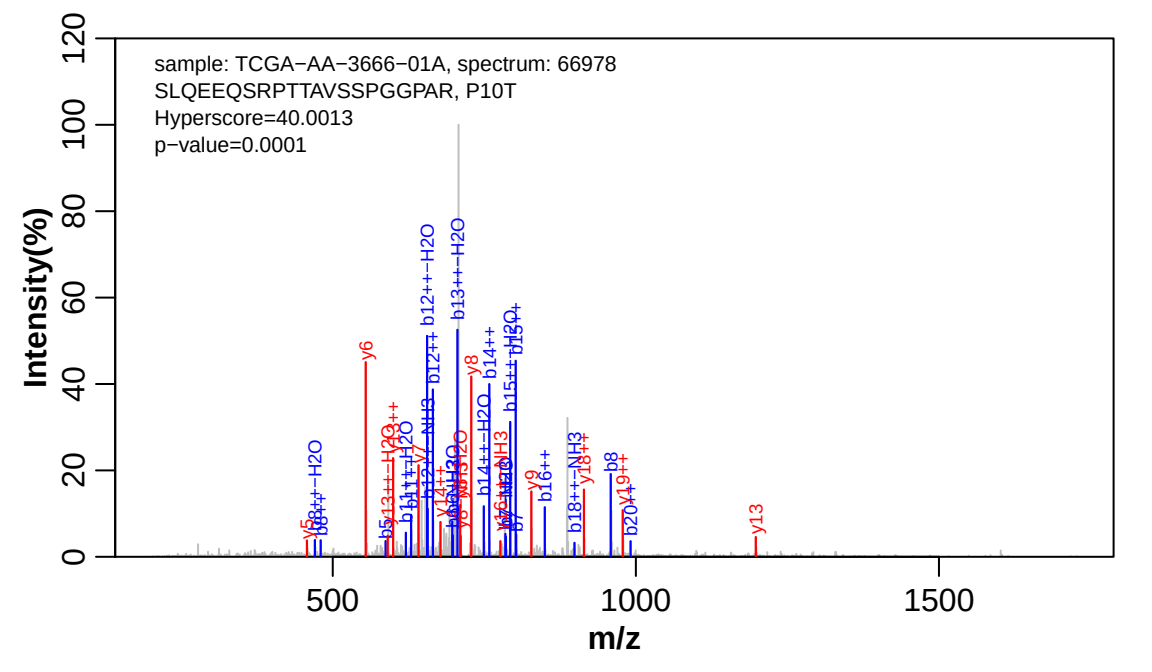

sample: TCGA−AA−3666−01A, spectrum: 122432
SDPLCLLLQDVGGGSWAELGRLV6I
Hyperscore=94.0013
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
y4
y10++
y5
y10++−H2O
y12++−H2O
y11++
b11++
y6
b15++
y15++−H2O
y14++
b13++−H2O
b19++
b10
b11

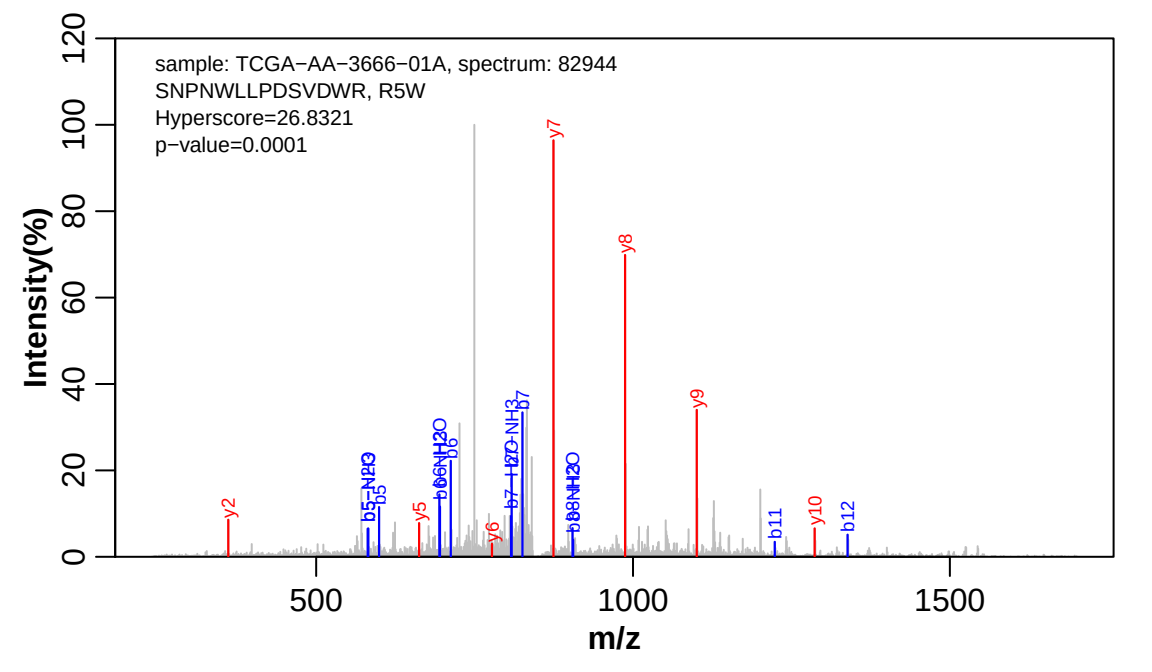

sample: TCGA−AA−3666−01A, spectrum: 60936
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=44.4755
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y4−H2O
y5
b6−H2O
b6
y6
y7
y8
b8
b9
b9−NH3
y9
y10
y11
y12
y13
b11
b14
y14
y15
y16
y17
y17−NH3
b18
b18−NH3

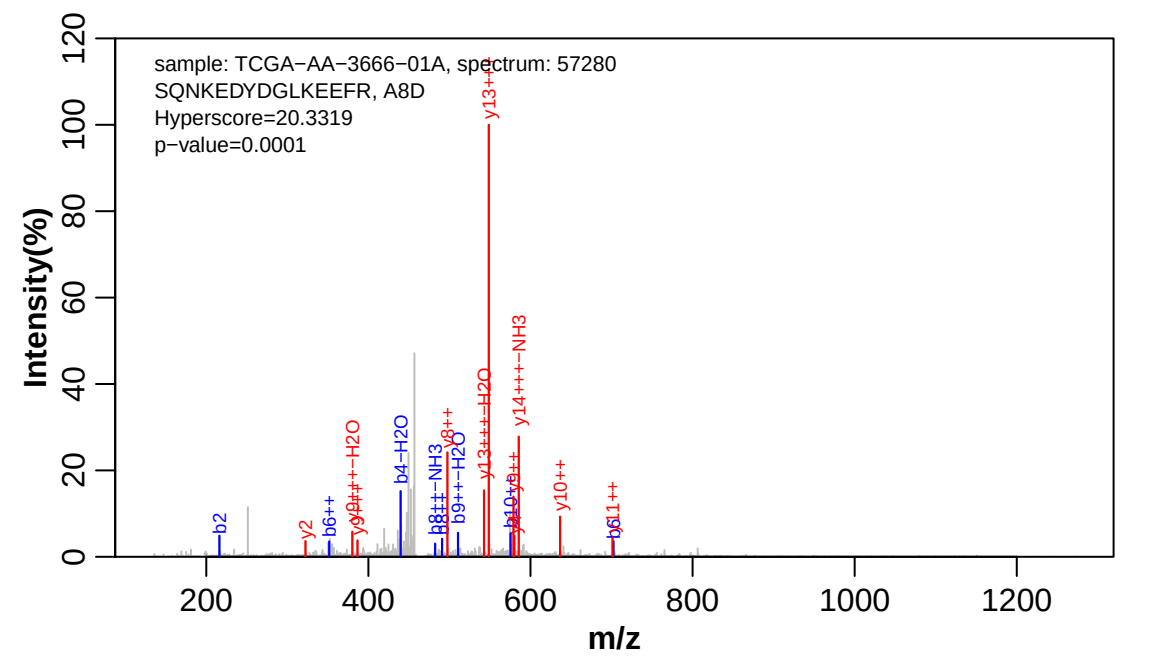

sample: TCGA−AA−3666−01A, spectrum: 51094
SFQGPVLLGSSHGGVNLEDVAAETPEALLK, S24T
Hyperscore=81.2718
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b2++
y9
b22++
b23++
y10
b21++
y22++
b28++
y27++
y7++−H2O
y4
y6
y7
b9−NH3
y8
b19++
b20++−H2O
b21++−NH3
b21++−H2O
b24++
b2
b16−NH3
b17

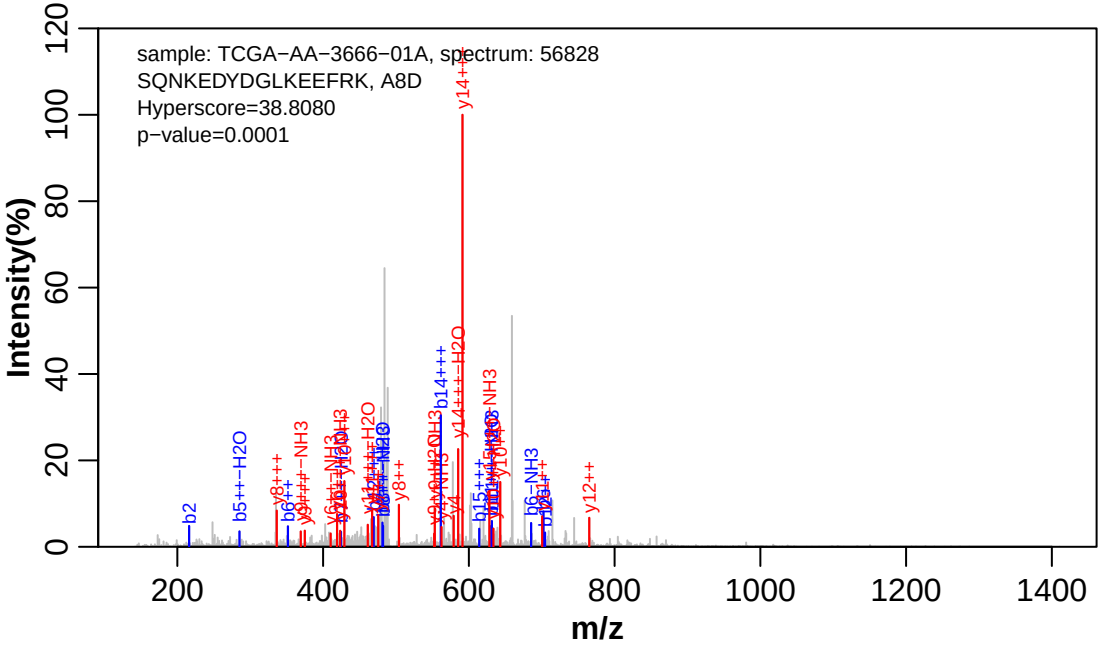

sample: TCGA−AA−3666−01A, spectrum: 18961
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=38.3063
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y17++
y15++
y9
y18++
y20++
y21++
y16++
y14++
b5−H2O
b6−H2O
b7−H2O
b11−H2O

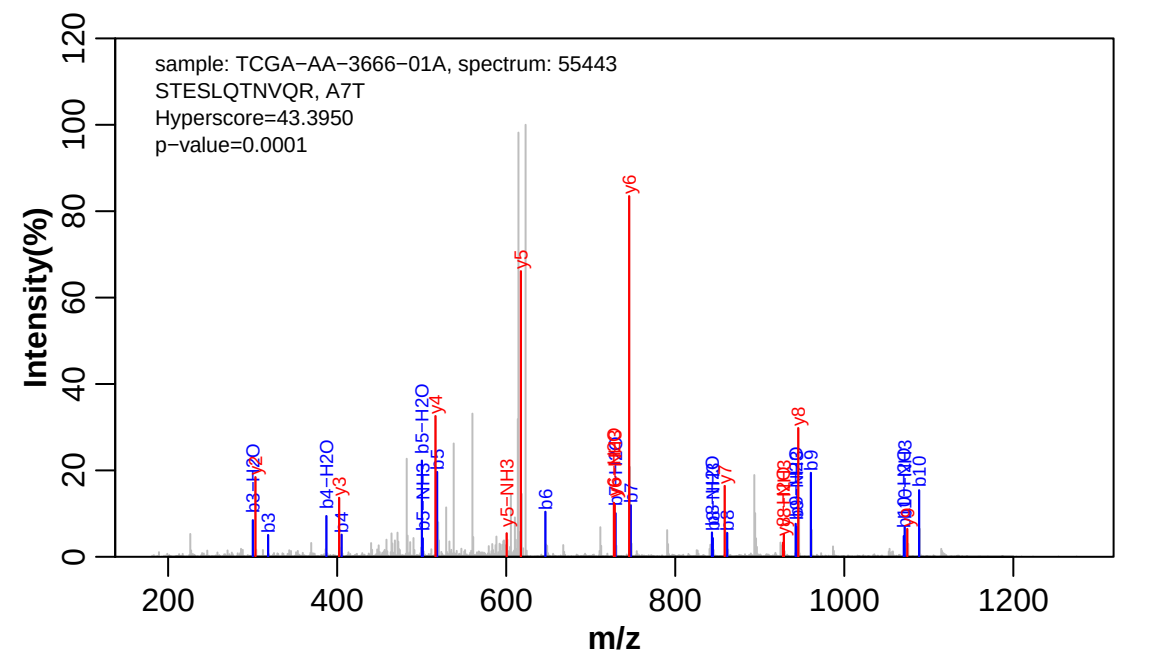

sample: TCGA−AA−3666−01A, spectrum: 97110
SLNDLTAR, K8R
Hyperscore=15.6810
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2
y3
b4
y4
b5−H2O
b5
y5
b6
y6

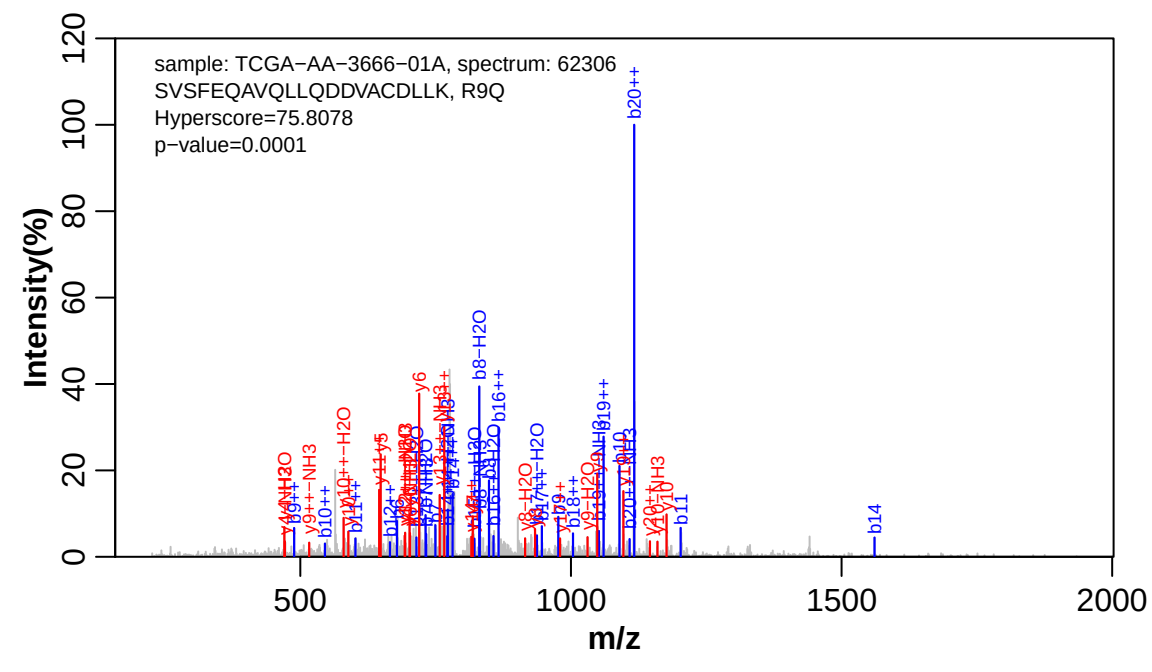

sample: TCGA−AA−3666−01A, spectrum: 66978
SLQEEQSRPTTAVSSPGGPAR, P10T
Hyperscore=40.0013
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y6
y8
y13
b12++−H2O
b13++−H2O
b14++
b14++−H2O
b15++−H2O
b16++
b18++−NH3
y18++
b8
y19++
b20++
y5
b8++−H2O

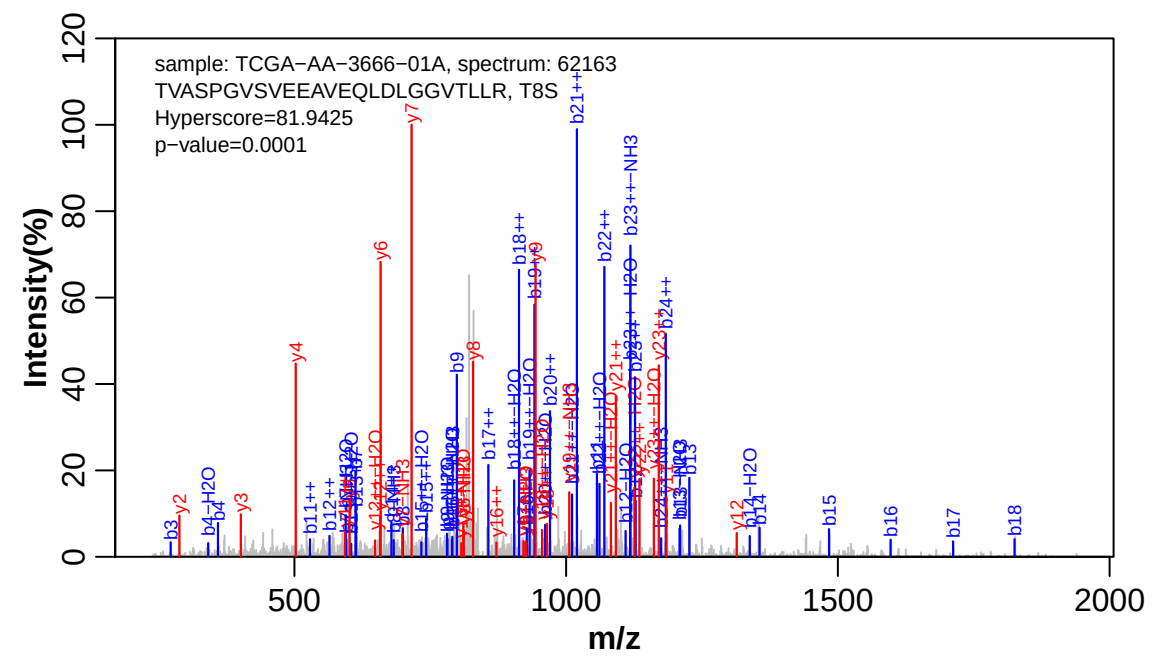

sample: TCGA−AA−3666−01A, spectrum: 82944
SNPNWLLPDSVDWR, R5W
Hyperscore=26.8321
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y5
y6
y7
y8
y9
y10
b11
b12

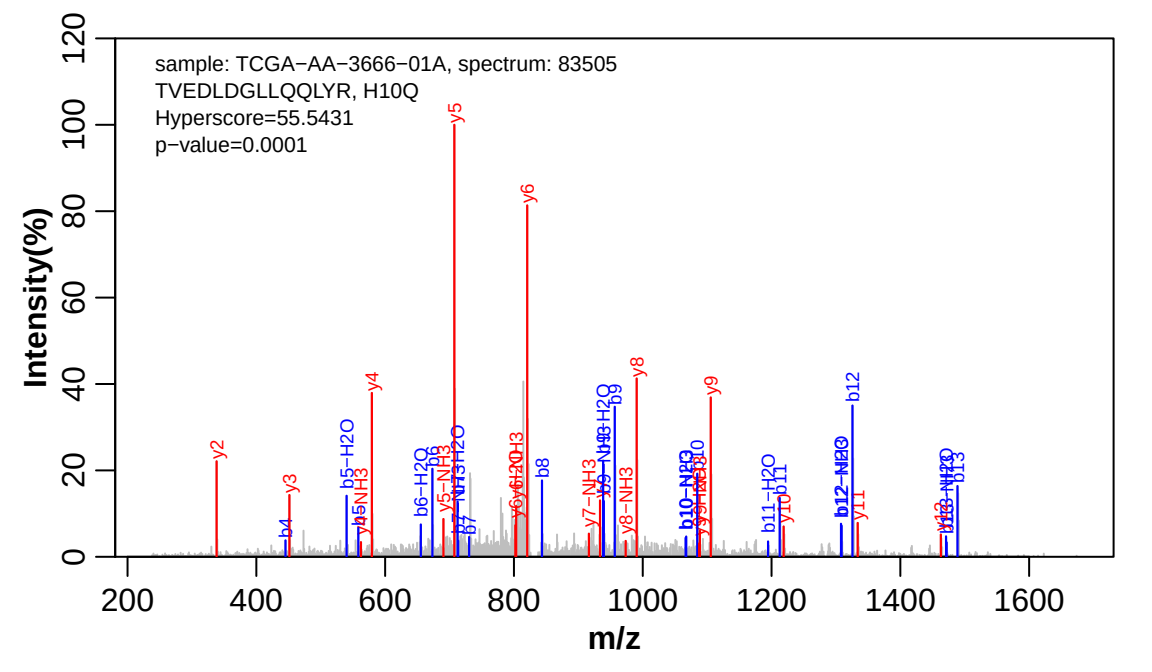

sample: TCGA−AA−3666−01A, spectrum: 57280
SQNKEDYDGLKEEFR, A8D
Hyperscore=20.3319
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b6++
y8+++−H2O
b4−H2O
b8+++−NH3
b8+++
b9++−H2O
y13+++
y13+++−H2O
y14++++−NH3
y10++
b11++

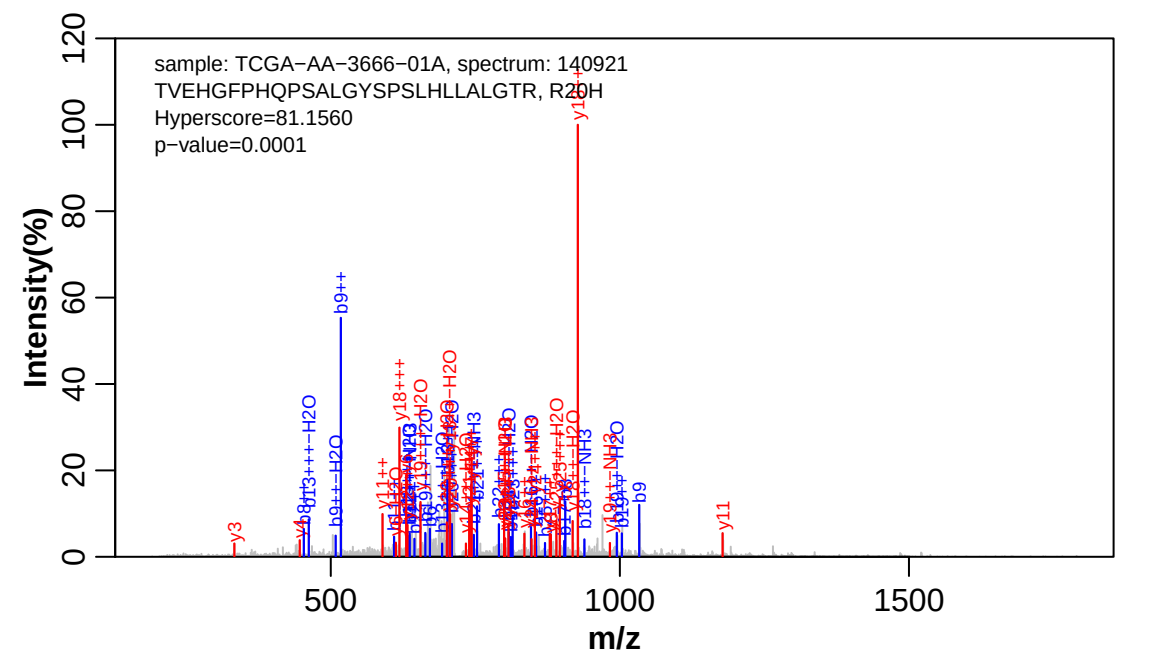

sample: TCGA−AA−3666−01A, spectrum: 56828
SQNKEDYDGLKEEFRK, A8D
Hyperscore=38.8080
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b5++−H2O
y8+++
b6++
y9+++−NH3
y14++
y14+++−H2O
b14+++
b15+++
b6−NH3
y12++

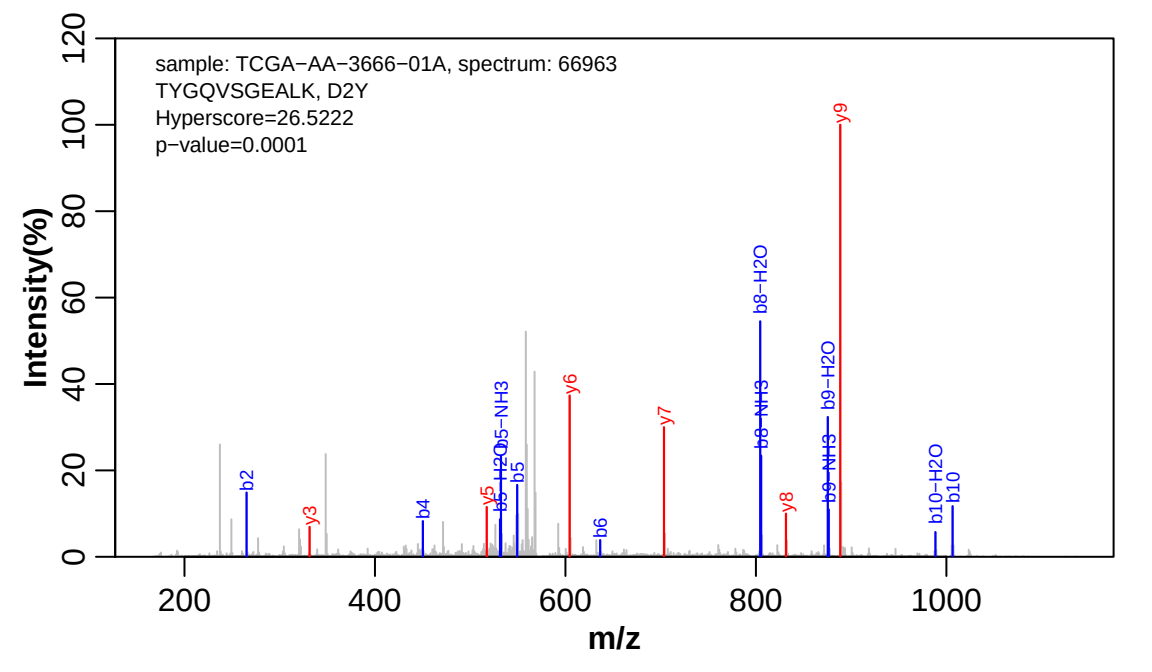

sample: TCGA−AA−3666−01A, spectrum: 55443
STESLQTNVQR, A7T
Hyperscore=43.3950
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
b4−H2O
y3
b4
b5−NH3
b5−H2O
b5
y4
y5−NH3
y5
b6
y6
b7
b8−NH3
b8−H2O
y7
b8
y8
b9
b10−H2O
b10

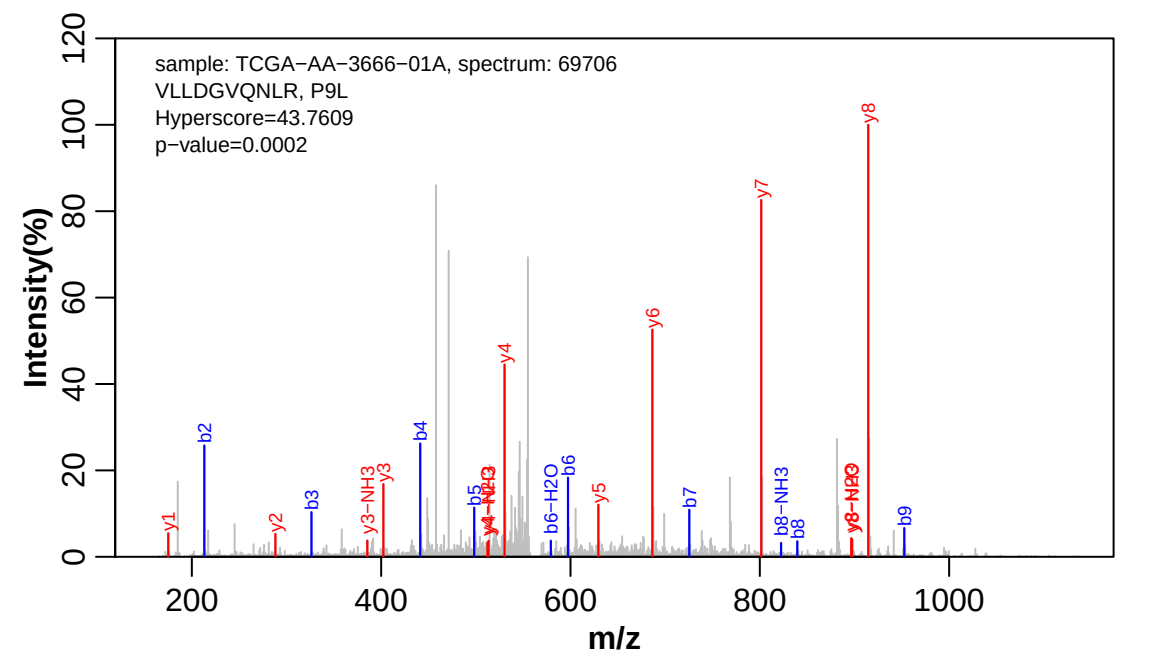

sample: TCGA−AA−3666−01A, spectrum: 62306
SVSFEQAVQLLQDDVACDLLK, R9Q
Hyperscore=75.8078
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b20++
b8−H2O
b16++
y6
b14

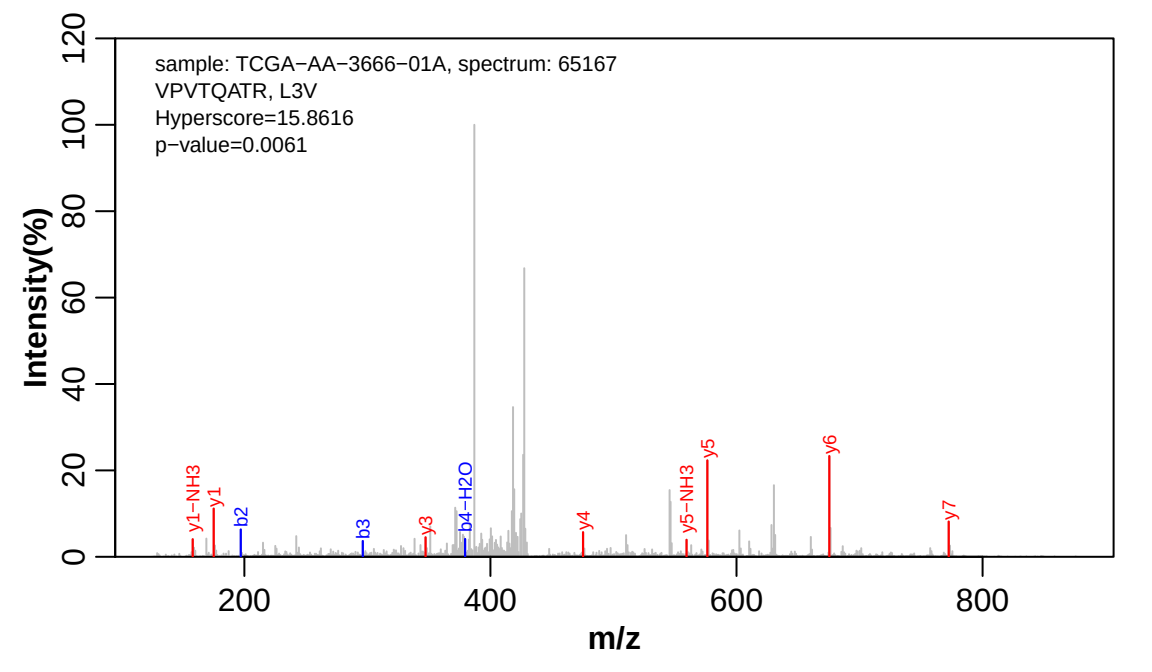

sample: TCGA−AA−3666−01A, spectrum: 62163
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=81.9425
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y2
b4−H2O
b4
y3
y4
b11++
b12++
y6
y7
b17++
y16++
b9
y8
b18++
b18++−H2O
b19++−H2O
b19++
y9
b20++
b21++
b22++
b23++−NH3
b23++−H2O
b24++
y23++
b13
y12
b14−H2O
b15
b16
b17
b18

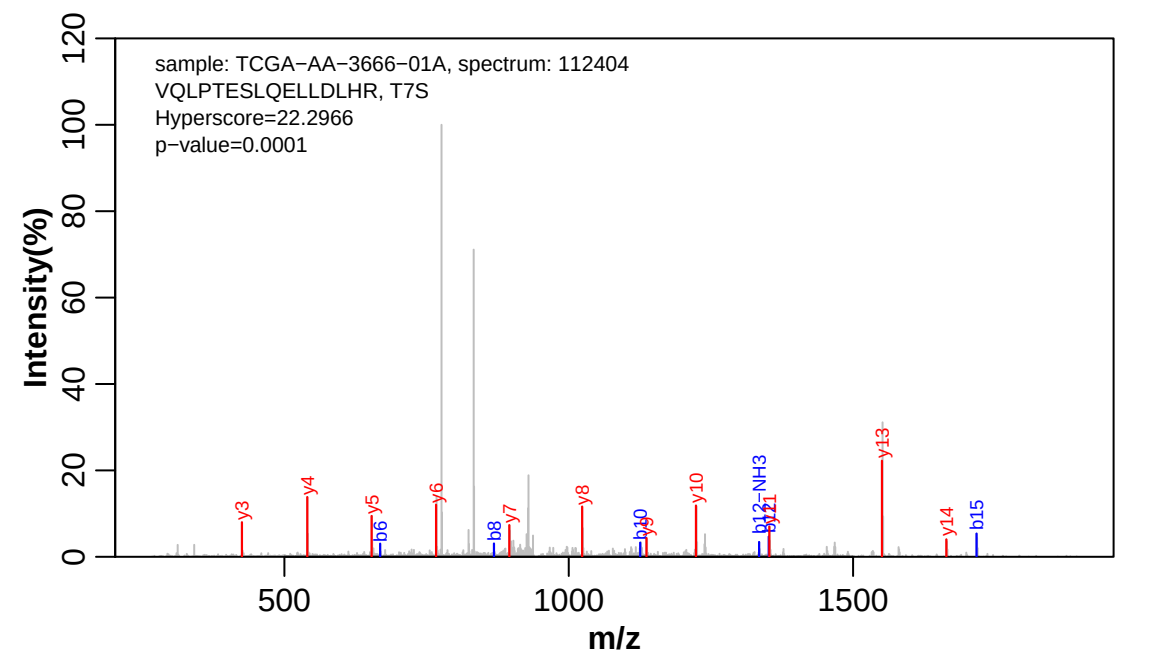

sample: TCGA−AA−3666−01A, spectrum: 83505
TVEDLDGLLQQLYR, H10Q
Hyperscore=55.5431
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y4
y2
y3
y8
y9
b12
b8
b5−H2O
b6−H2O
b4
y5−NH3
b5−NH3
y7−NH3
y8−NH3
b11−H2O
y10
y11
b13

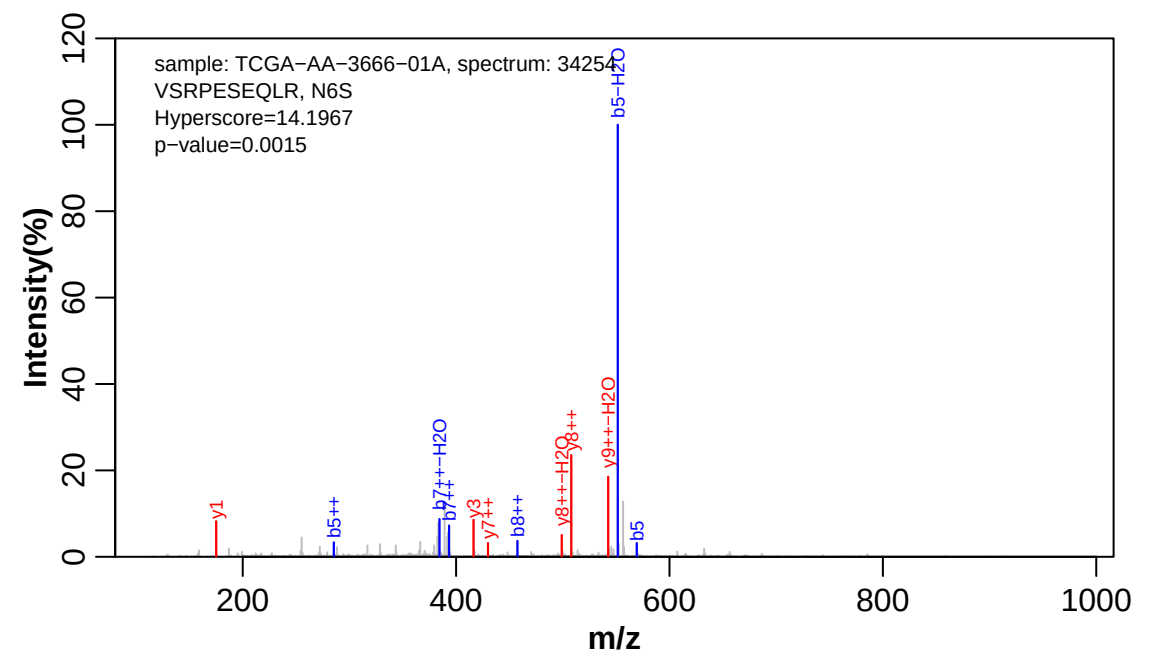

sample: TCGA−AA−3666−01A, spectrum: 140921
TVEHGFPHQPSALGYSPSLHLLALGTR, R20H
Hyperscore=81.1560
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y10++
b9++
y18+++−H2O
b9++−H2O
y18+++
y11++
y3
b18+++−NH3
b9
y11

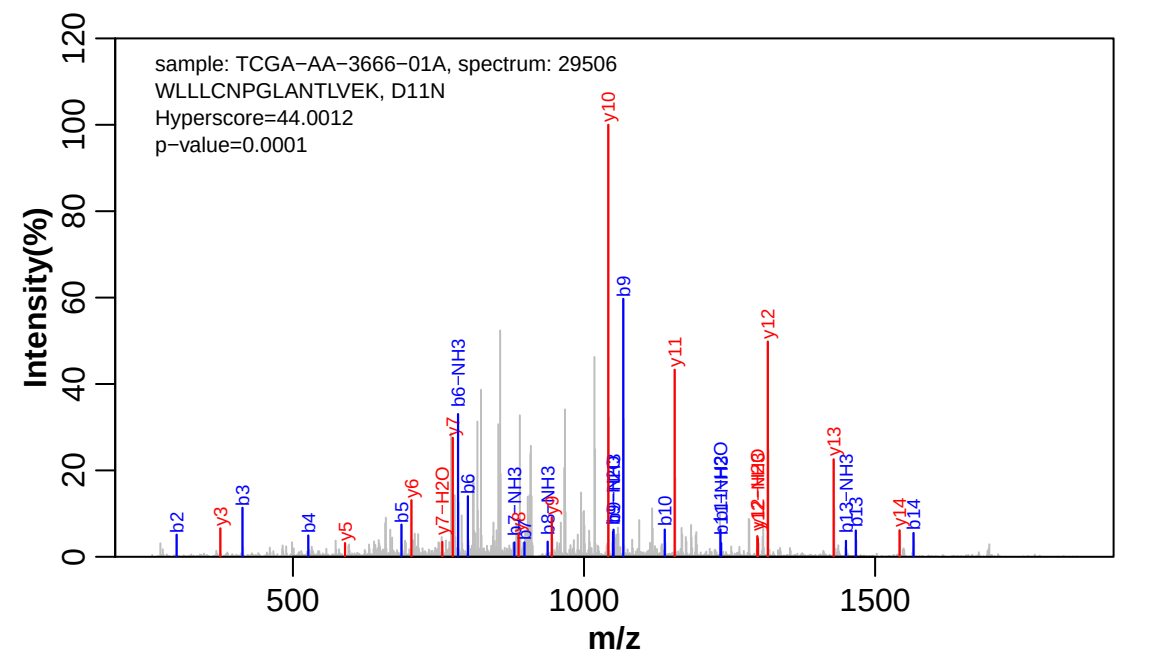

sample: TCGA−AA−3666−01A, spectrum: 66963
TYGQVSGEALK, D2Y
Hyperscore=26.5222
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y3
b4
y5
b5−H2O
b5−NH3
b5
y6
b6
y7
b8−H2O
b8−NH3
y8
b9−H2O
b9−NH3
y9
b10−H2O
b10

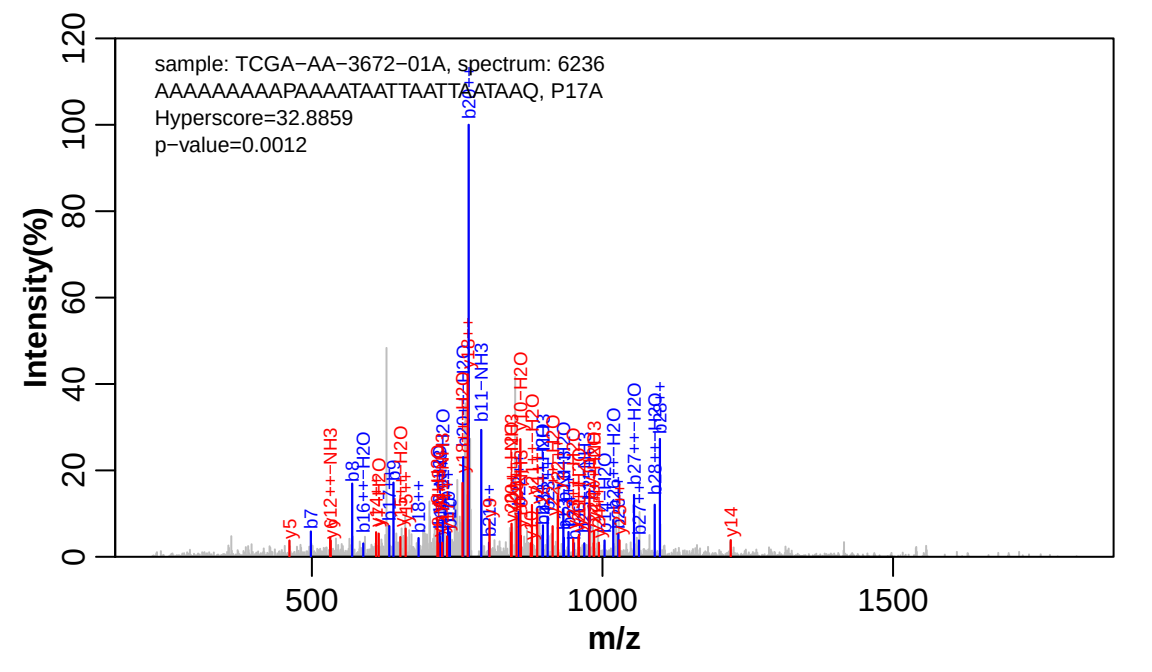

sample: TCGA−AA−3666−01A, spectrum: 69706
VLLDGVQNLR, P9L
Hyperscore=43.7609
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3−NH3
y3
b4
b5
y4−NH3
y4
b6−H2O
b6
y5
y6
b7
b8−NH3
b8
y7
y8−NH3
y8
b9

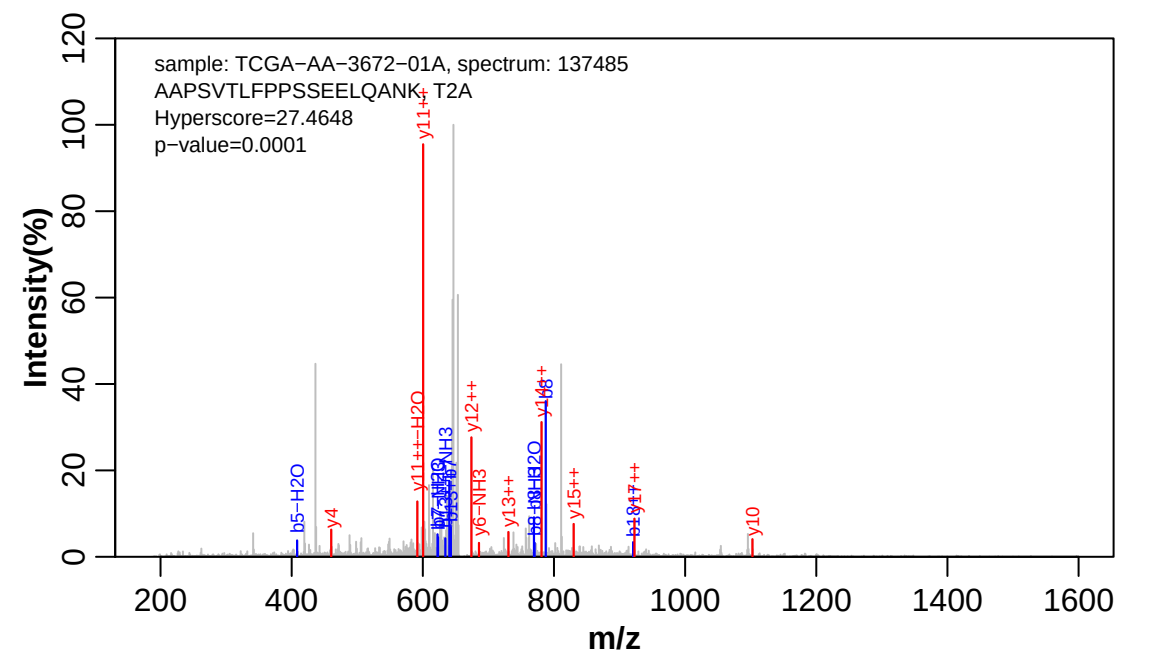

sample: TCGA−AA−3666−01A, spectrum: 65167
VPVTQATR, L3V
Hyperscore=15.8616
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2
b3
y3
b4−H2O
y4
y5−NH3
y5
y6
y7

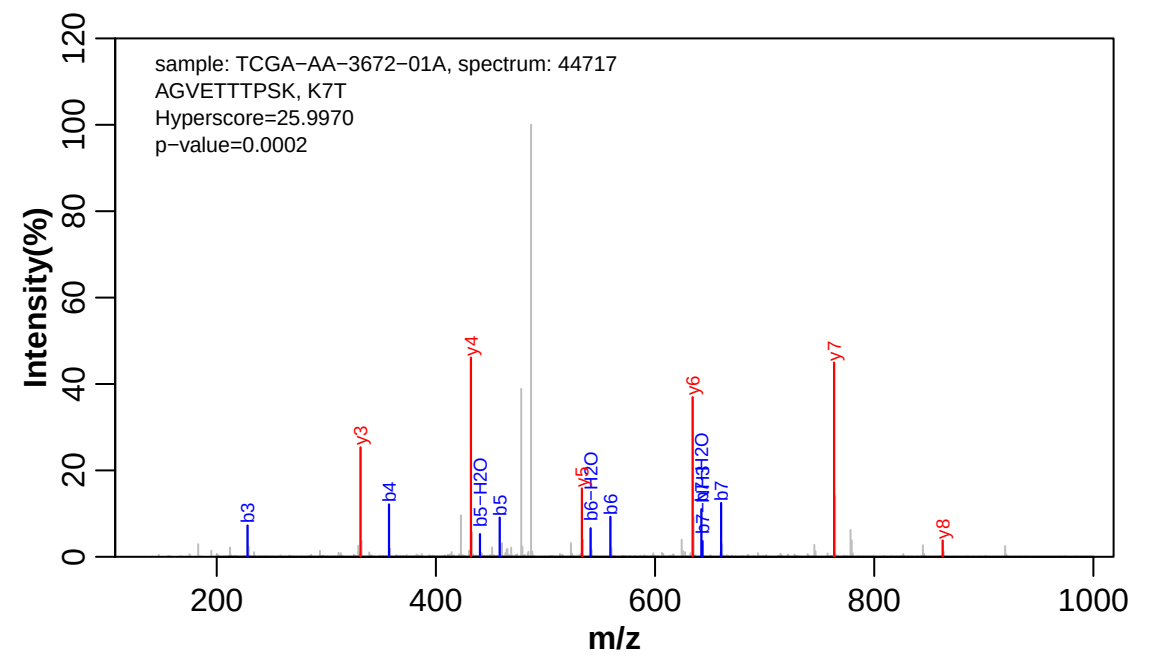

sample: TCGA−AA−3666−01A, spectrum: 112404
VQLPTESLQELLDLHR, T7S
Hyperscore=22.2966
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
y5
b6
y6
b8
y7
y8
b10
y9
y10
b12−NH3
b12
y13
y14
b15

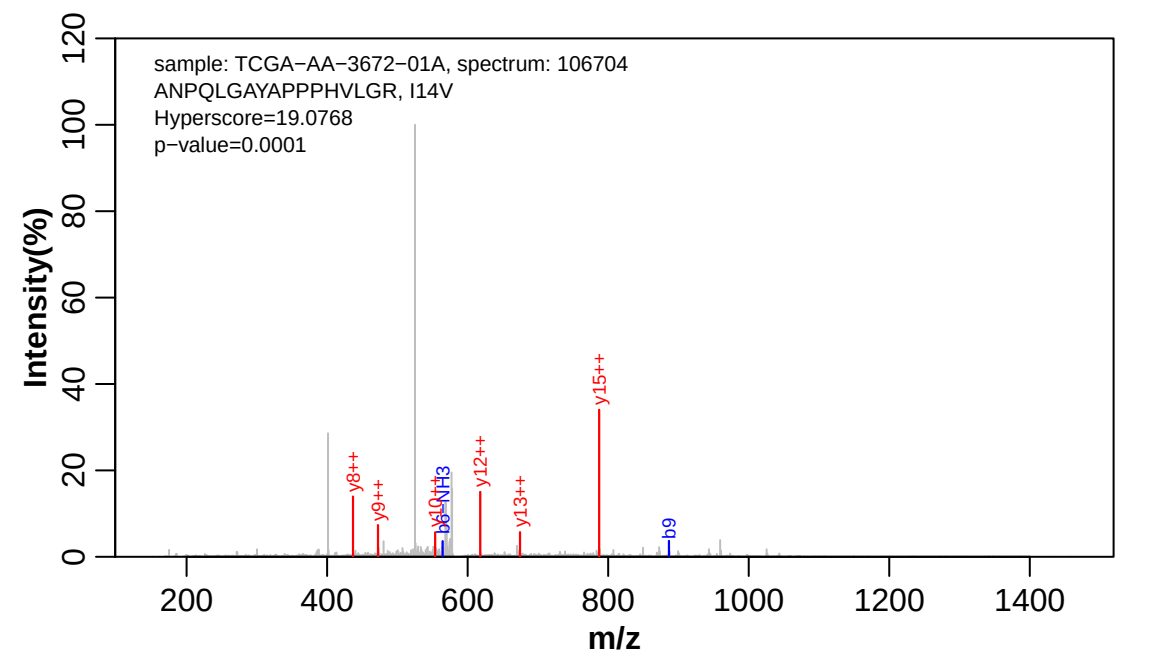

sample: TCGA−AA−3666−01A, spectrum: 34254
VSRPESEQLR, N6S
Hyperscore=14.1967
p−value=0.0015
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b5++
b7++−H2O
b7++
y3
y7++
b8++
y8++−H2O
y8++
y9++−H2O
b5−H2O
b5

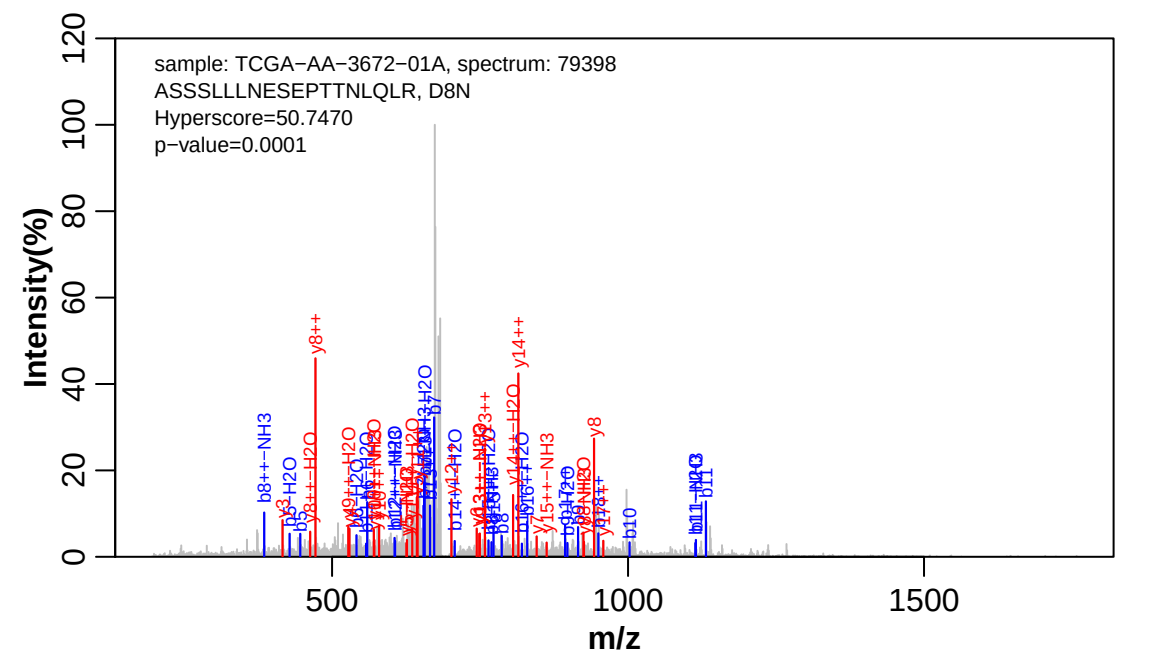

sample: TCGA−AA−3666−01A, spectrum: 29506
WLLLCNPGLANTLVEK, D11N
Hyperscore=44.0012
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3
b4
y5
b5
y6
y7−H2O
y7
b6
b6−NH3
b7−NH3
b8−NH3
y10
b9
y11
b10
y12
y12−NH3
y12−H2O
b13−NH3
y13
b13
y14
b14

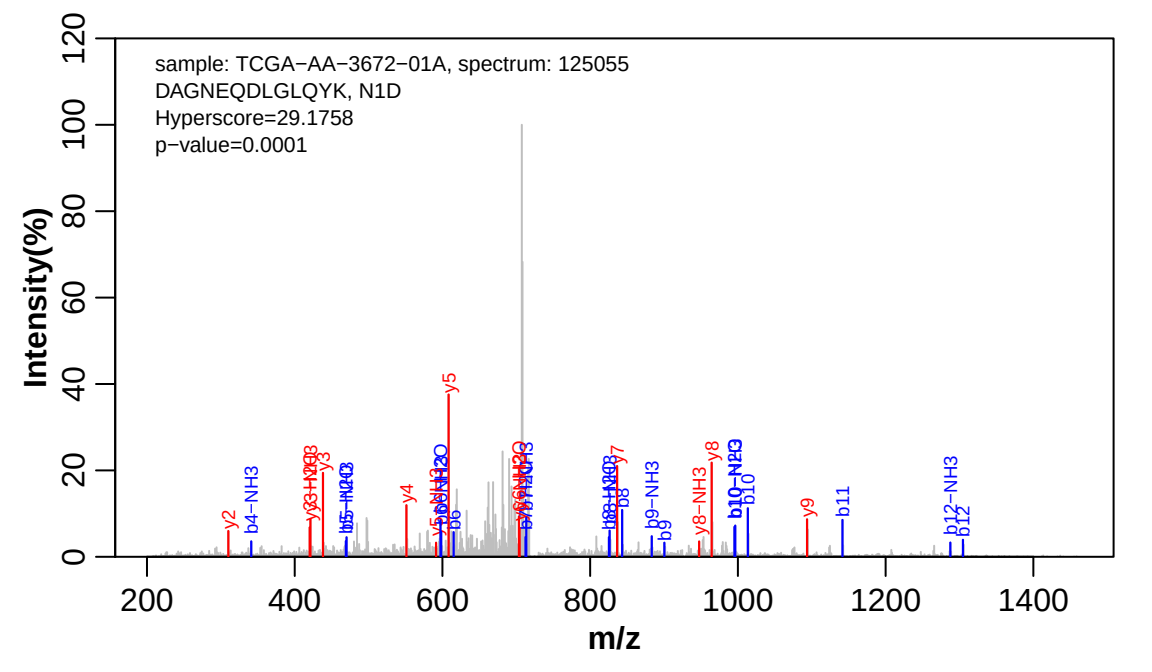

sample: TCGA−AA−3672−01A, spectrum: 6236
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=32.8859
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b20++
b11−NH3
y12++−NH3
y5
b7
b8
b16++
y14

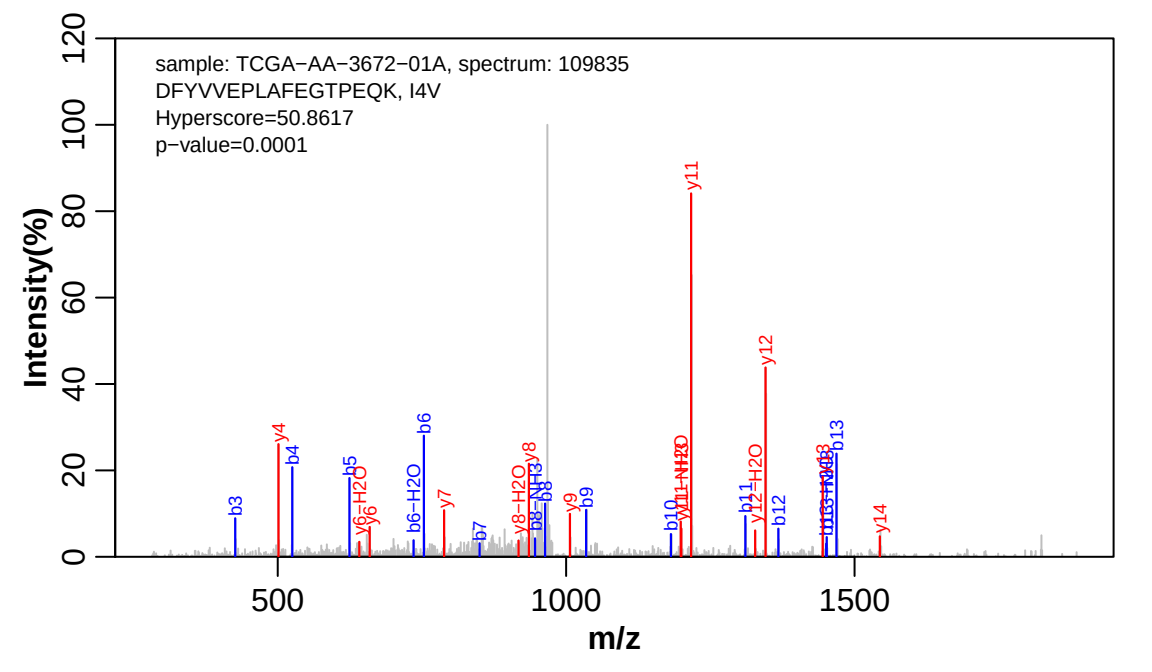

sample: TCGA−AA−3672−01A, spectrum: 137485
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=27.4648
p−value=0.0001
Intensity(%)
m/z
y11++
y11++−H2O
y12++
y6−NH3
y13++
y15++
y10
b5−H2O
y4
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

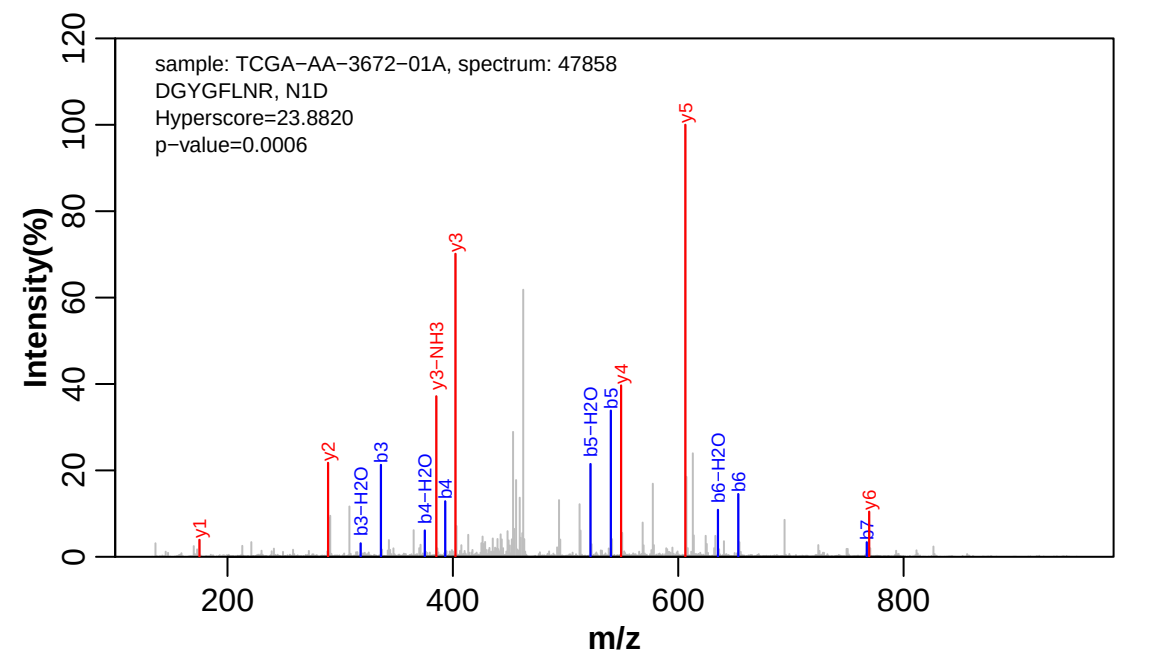

sample: TCGA−AA−3672−01A, spectrum: 44717
AGVETTTPSK, K7T
Hyperscore=25.9970
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
b6−H2O
y5
b6
y6
b7−NH3
b7−H2O
b7
y7
y8

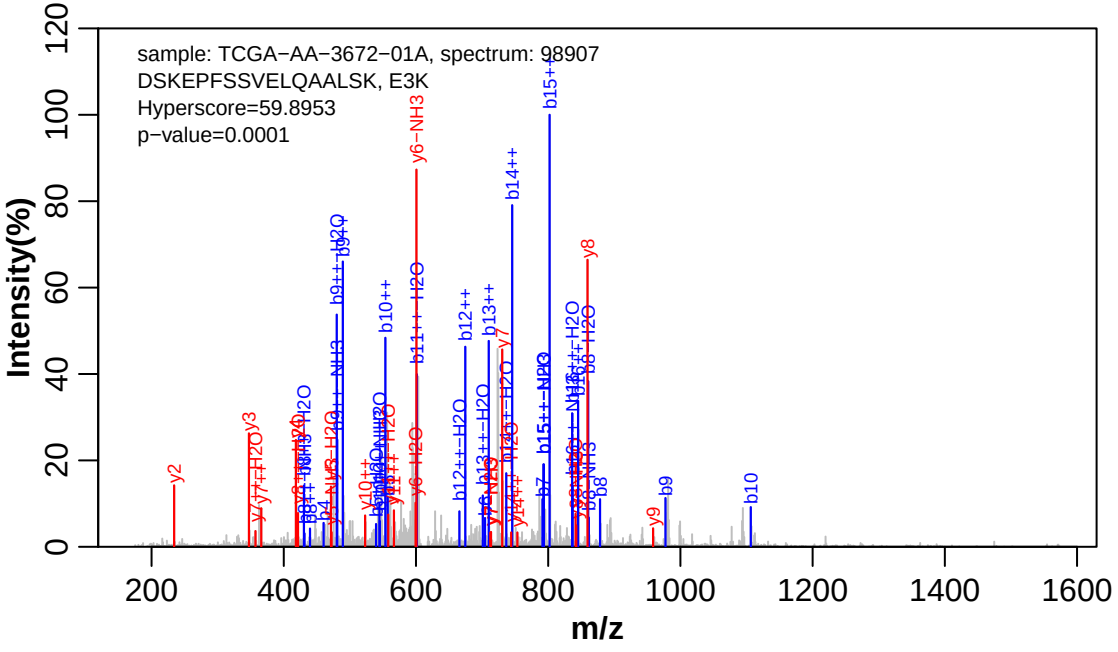

sample: TCGA−AA−3672−01A, spectrum: 106704
ANPQLGAYAPPPHVLGR, I14V
Hyperscore=19.0768
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
y8++
y9++
b6−NH3
y12++
y13++
y15++
b9

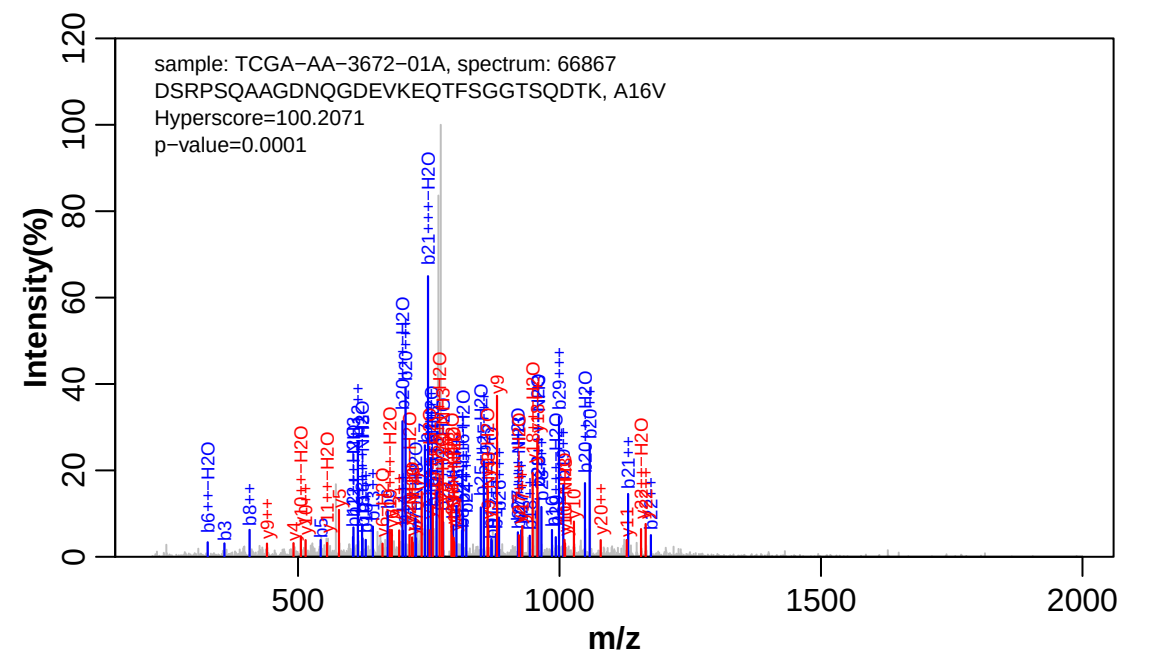

sample: TCGA−AA−3672−01A, spectrum: 79398
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=50.7470
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8++−NH3
b8
b3−H2O
b3
y8++−H2O
y8++
y8
y14++
y14++−H2O
y15++−NH3
b10
b11−NH3
b11

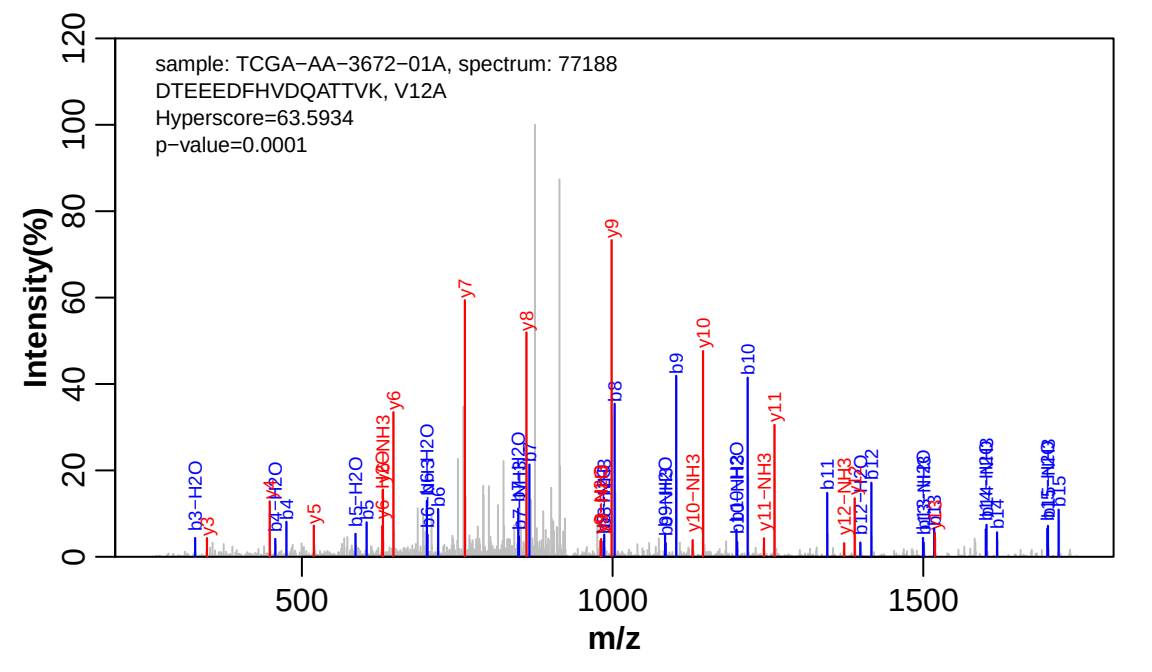

sample: TCGA−AA−3672−01A, spectrum: 125055
DAGNEQDLGLQYK, N1D
Hyperscore=29.1758
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−NH3
y3
y4
y5
b6
y7
b8
b9−NH3
b9
y8−NH3
y8
b10
y9
b11
b12−NH3
b12

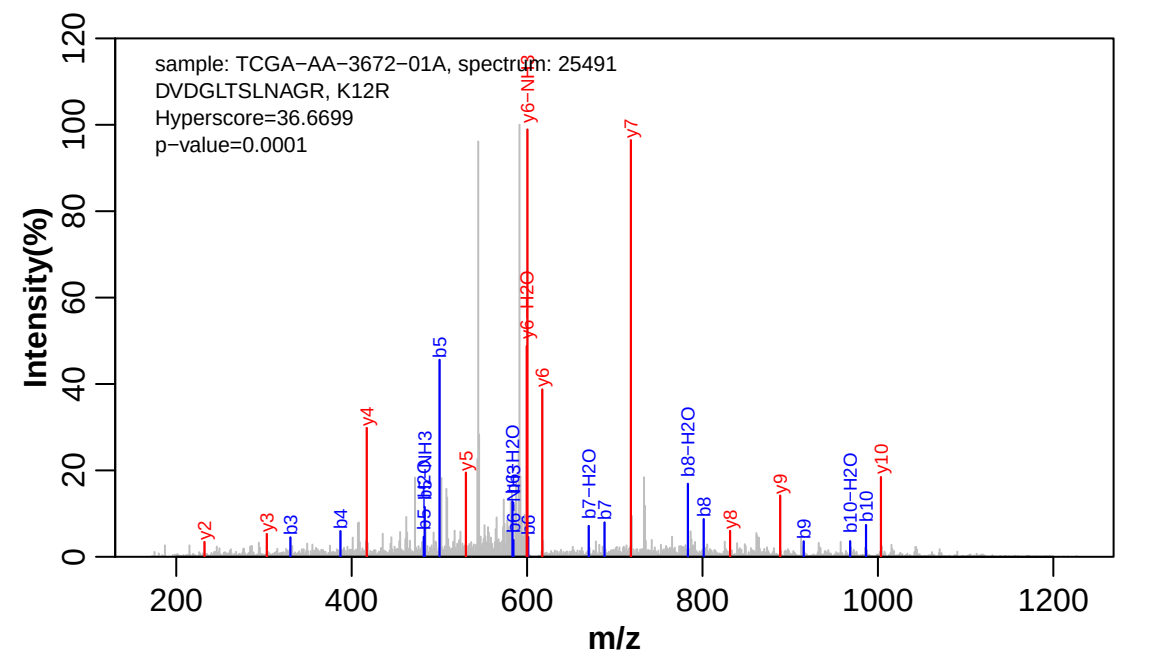

sample: TCGA−AA−3672−01A, spectrum: 109835
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=50.8617
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
y6−H2O
y6
b6
b6−H2O
y7
b7
y8−H2O
y8
b8−NH3
b8
y9
b9
b10
y11−NH3
y11−H2O
y11
b11
y12−H2O
y12
b12
b13
y14

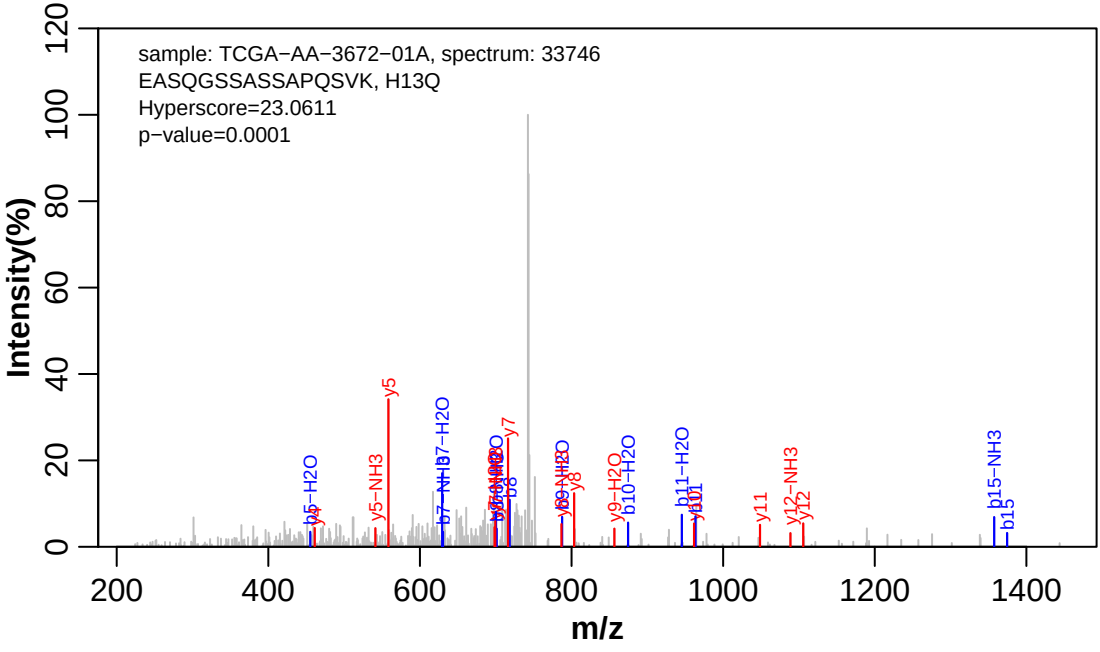

sample: TCGA−AA−3672−01A, spectrum: 47858
DGYGFLNR, N1D
Hyperscore=23.8820
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7−y6

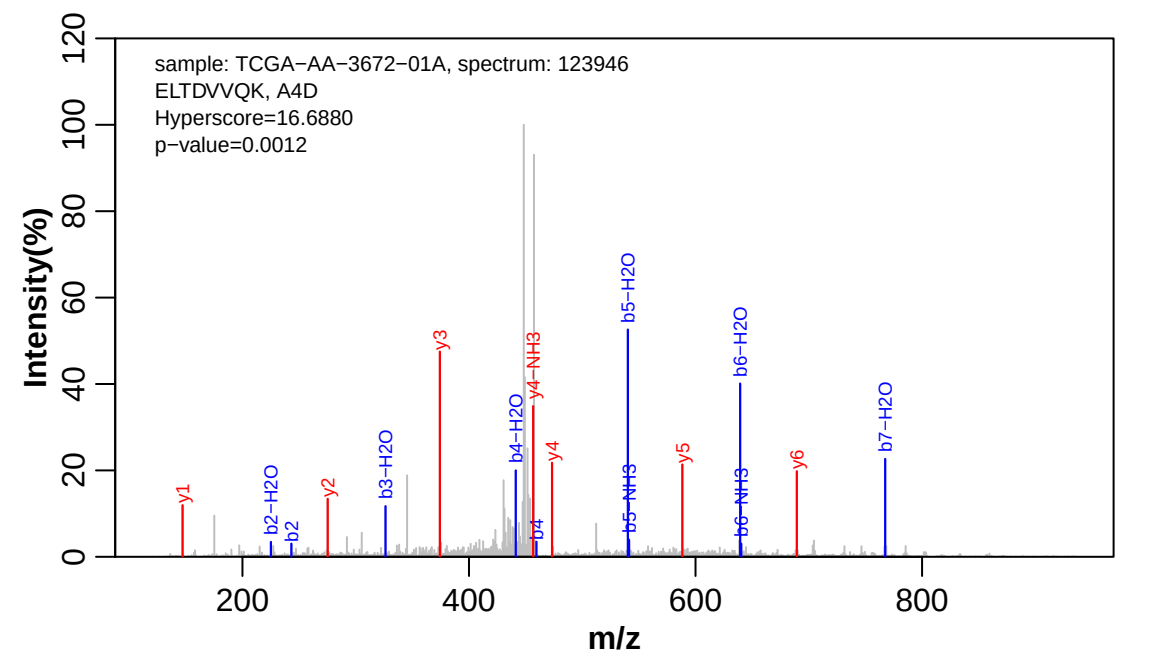

sample: TCGA−AA−3672−01A, spectrum: 98907
DSKEPFSSVELQAALSK, E3K
Hyperscore=59.8953
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6−NH3
b15++
b14++
y8
b10
b9
y9
y2

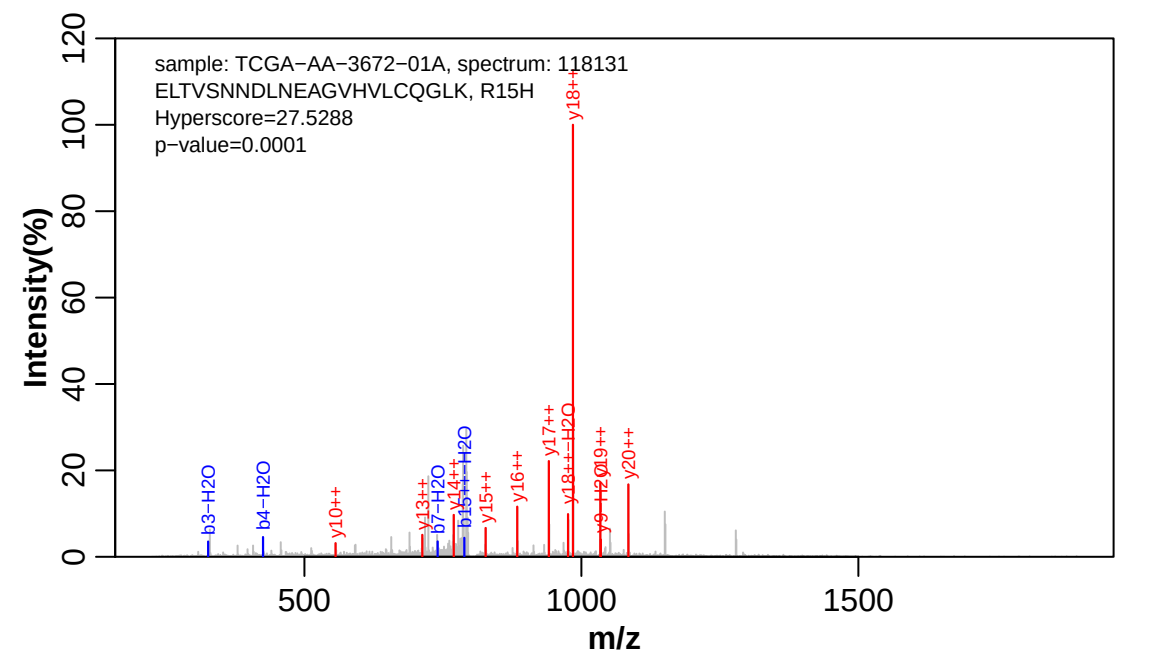

sample: TCGA−AA−3672−01A, spectrum: 66867
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=100.2071
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b6++−H2O
b3
b8++
y9++
b21+++−H2O
b20++−H2O
b29+++
b20++H2O
y20++
b21++
y11
b22++−H2O

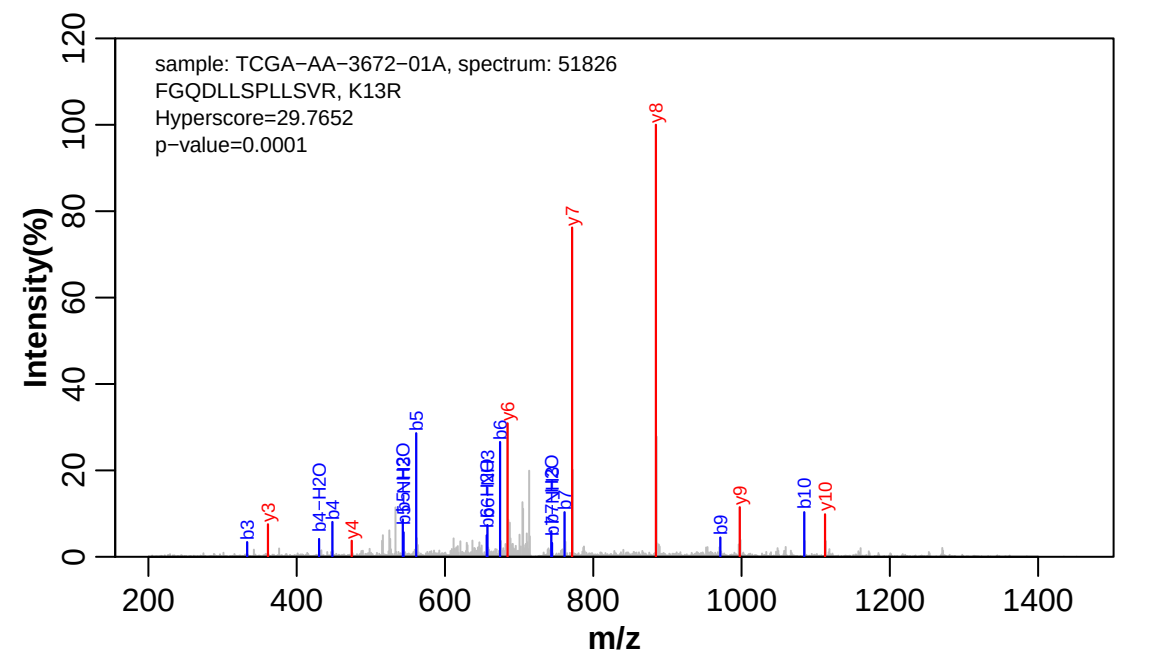

sample: TCGA−AA−3672−01A, spectrum: 77188
DTEEEDFHVDQATTVK, V12A
Hyperscore=63.5934
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y3
b4−H2O
b4
y5
b5−H2O
b5
y6−H2O
y6−NH3
y6
b6−H2O
b6
y7
b7−H2O
b7
y8
b8
y9
b9
y10
b10
y11
b11
y12−NH3
b12−H2O
b12
b13
b14
b15

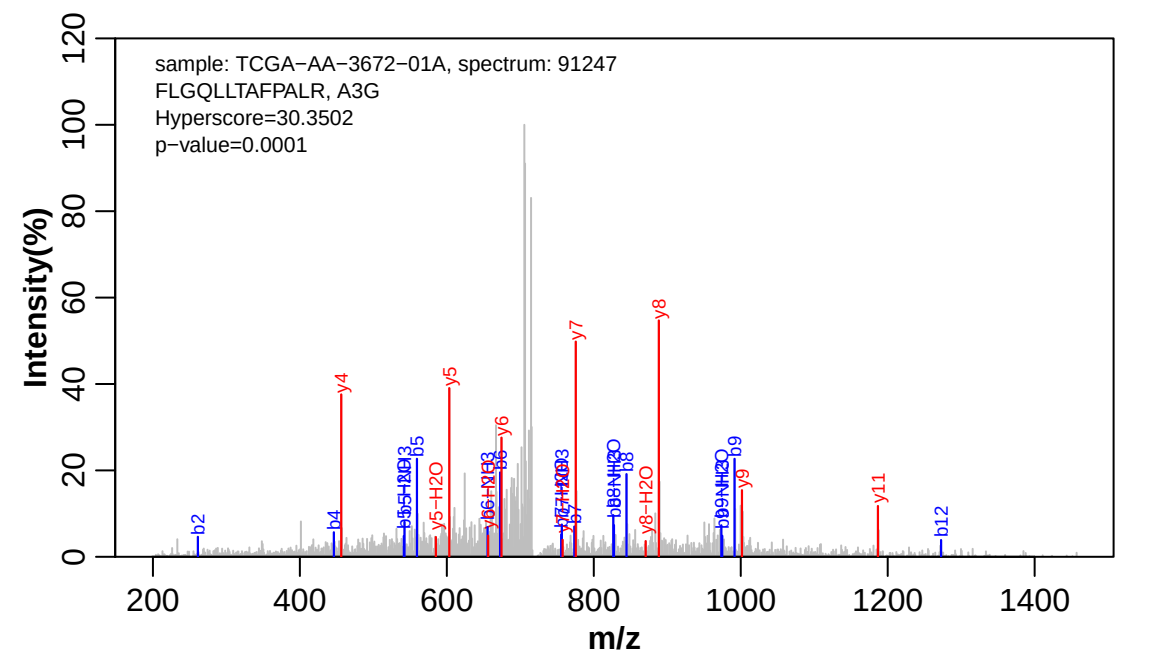

sample: TCGA−AA−3672−01A, spectrum: 25491
DVDGLTSLNAGR, K12R
Hyperscore=36.6699
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y3
b3
b4
y4
b5
y5
y6−NH3
y6−H2O
y6
y7
b7−H2O
b7
b8−H2O
b8
y8
y9
b9
b10−H2O
b10
y10

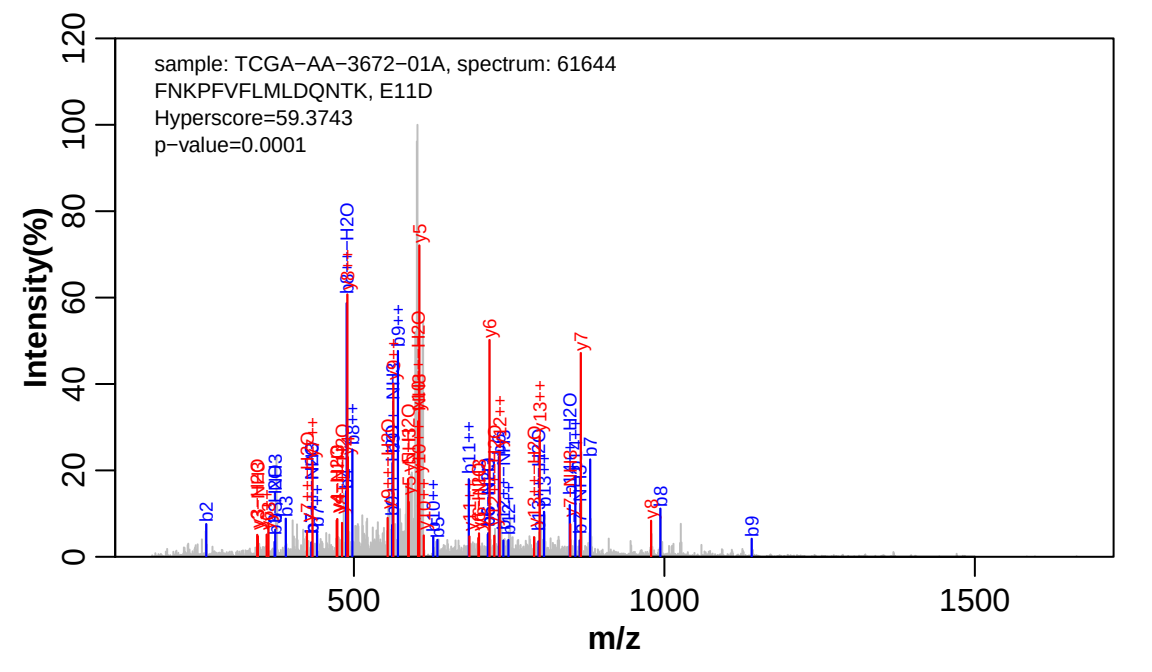

sample: TCGA−AA−3672−01A, spectrum: 33746
EASQGSSASSAPQSVK, H13Q
Hyperscore=23.0611
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y5−NH3
b5−H2O
b7−NH3
b7−H2O
y7
y8
y8−NH3
y8−H2O
y9−H2O
b10−H2O
b11−H2O
y11
y12−NH3
y12
b15−NH3
b15

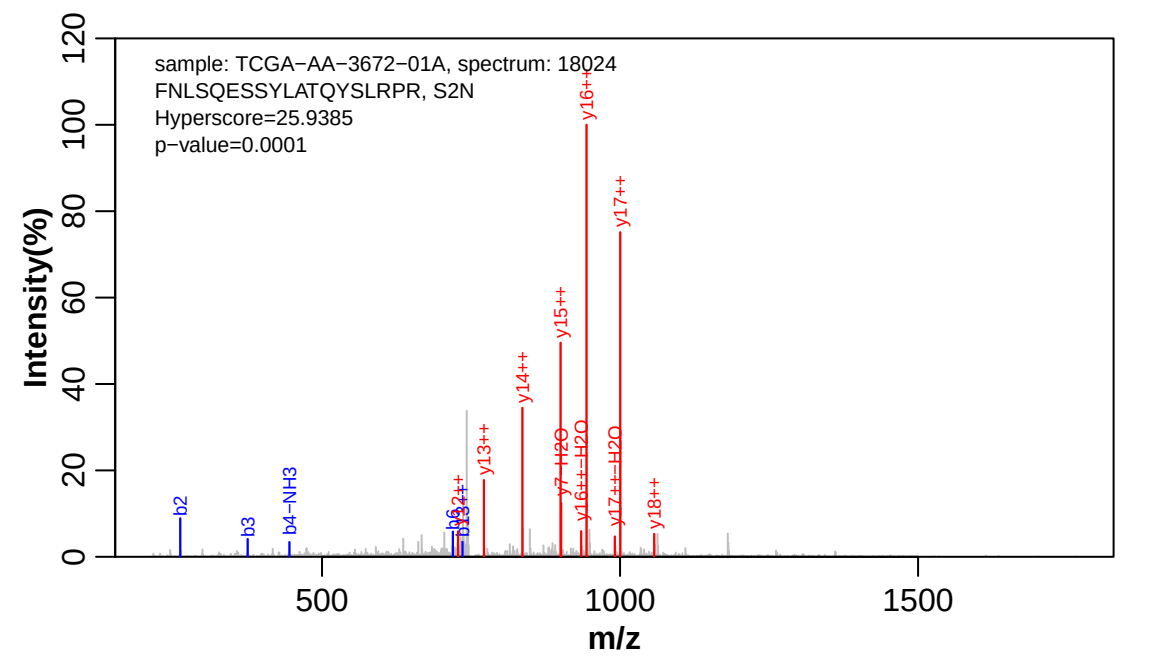

sample: TCGA−AA−3672−01A, spectrum: 123946
ELTDVVQK, A4D
Hyperscore=16.6880
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2−H2O
b2
y2
b3−H2O
y3
b4−H2O
y4−NH3
y4
b4
b5−H2O
b5−NH3
y5
b6−H2O
b6−NH3
y6
b7−H2O

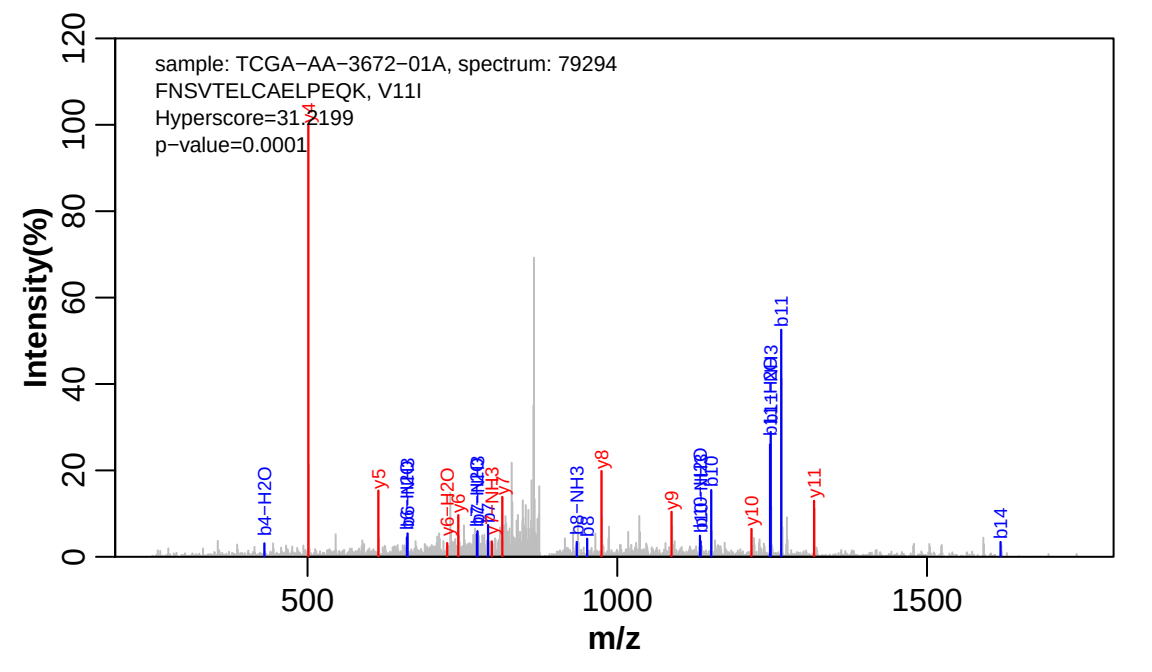

sample: TCGA−AA−3672−01A, spectrum: 118131
ELTVSNNDLNEAGVHVLCQGLK, R15H
Hyperscore=27.5288
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b4−H2O
y10++
y13++
b7−H2O
y14++
b15++−H2O
y15++
y16++
y17++
y18++−H2O
y18++
y19++
y20++

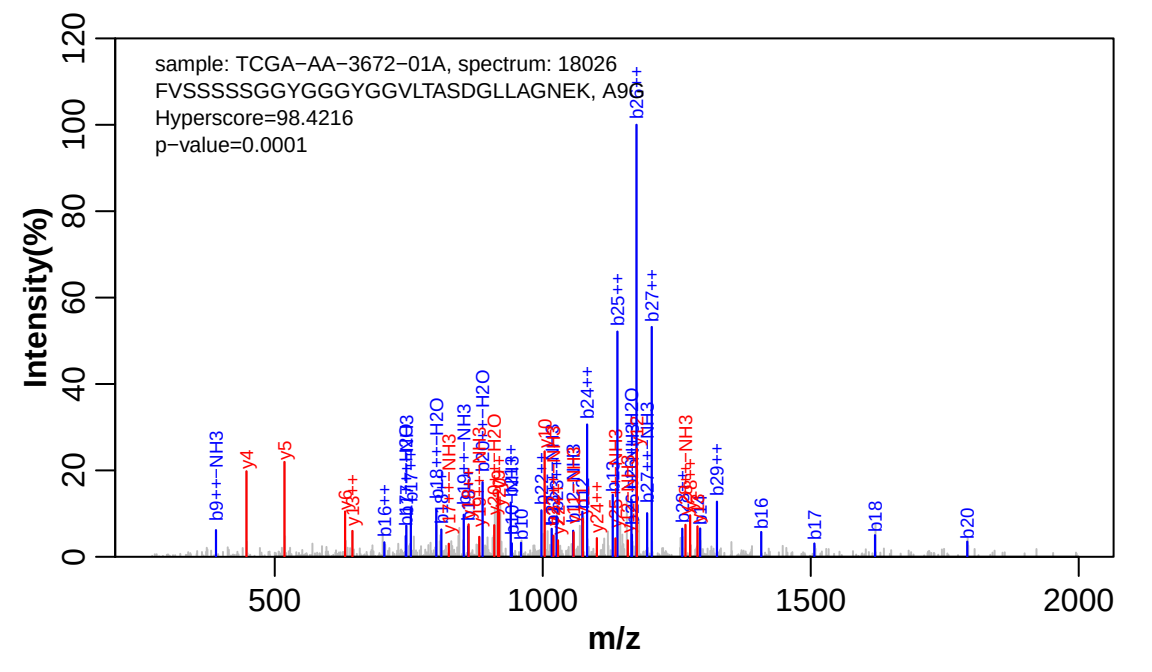

sample: TCGA−AA−3672−01A, spectrum: 51826
FGQDLLSPLLSVR, K13R
Hyperscore=29.7652
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
b6−H2O
b6
y6
y7
y8
b9
y9
b10
y10

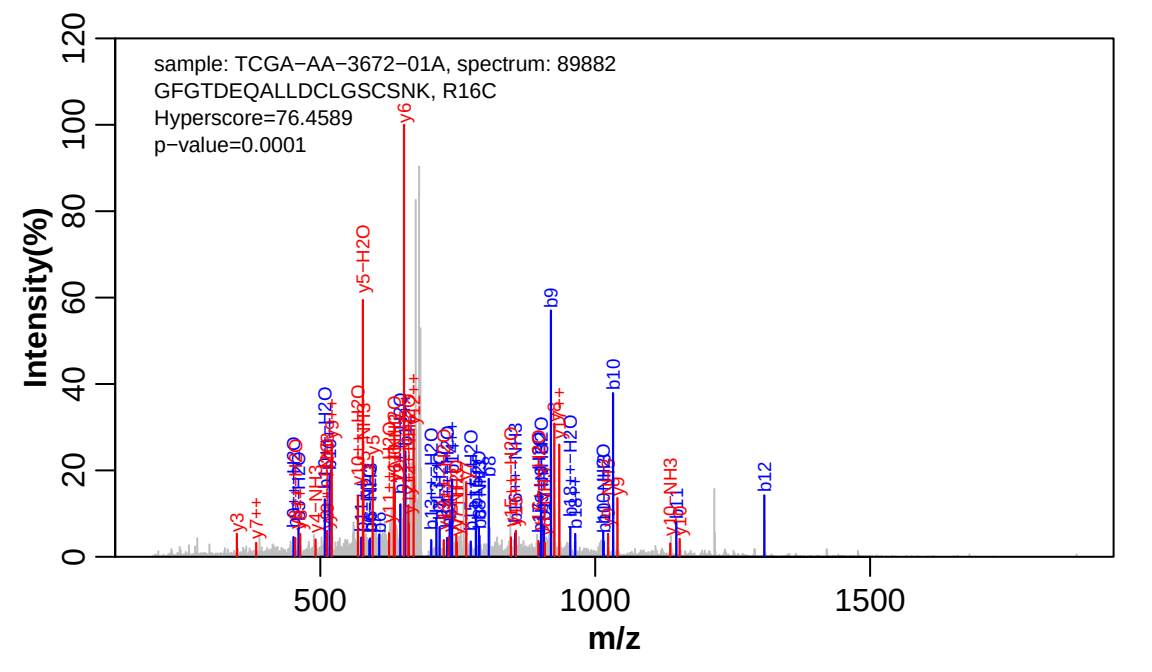

sample: TCGA−AA−3672−01A, spectrum: 91247
FLGQLLTAFPALR, A3G
Hyperscore=30.3502
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y4
b4
y5
y5−H2O
b5
y6
y7
b8
y8
y8−H2O
y9
b9
y11
b12

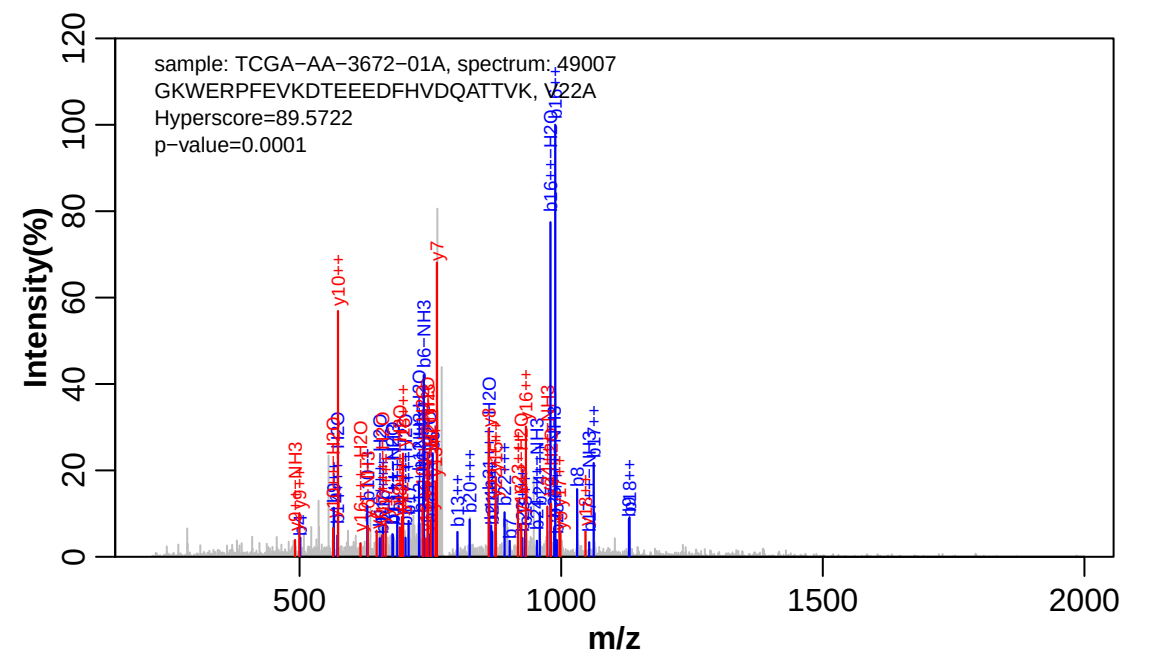

sample: TCGA−AA−3672−01A, spectrum: 61644
FNKPFVFLMLDQNTK, E11D
Hyperscore=59.3743
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
y5
y6
y7
b8
b9

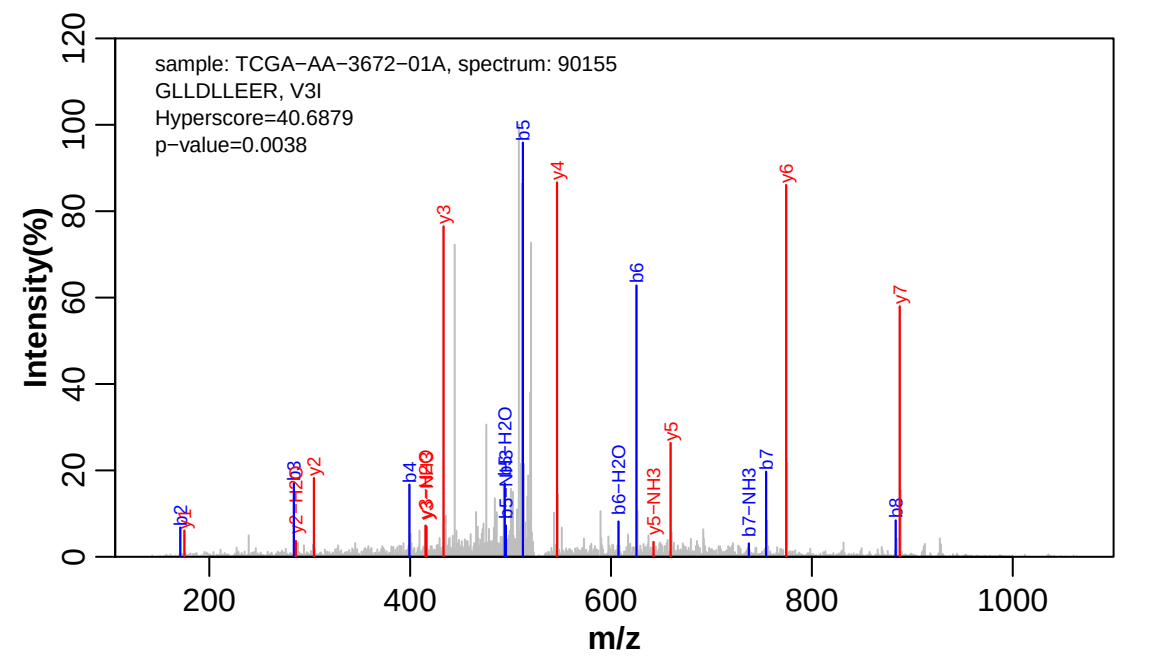

sample: TCGA−AA−3672−01A, spectrum: 18024
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=25.9385
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b4−NH3
b6
b6++
b13++
y13++
y14++
y7++−H2O
y15++
y16++−H2O
y16++
y17++−H2O
y17++
y18++

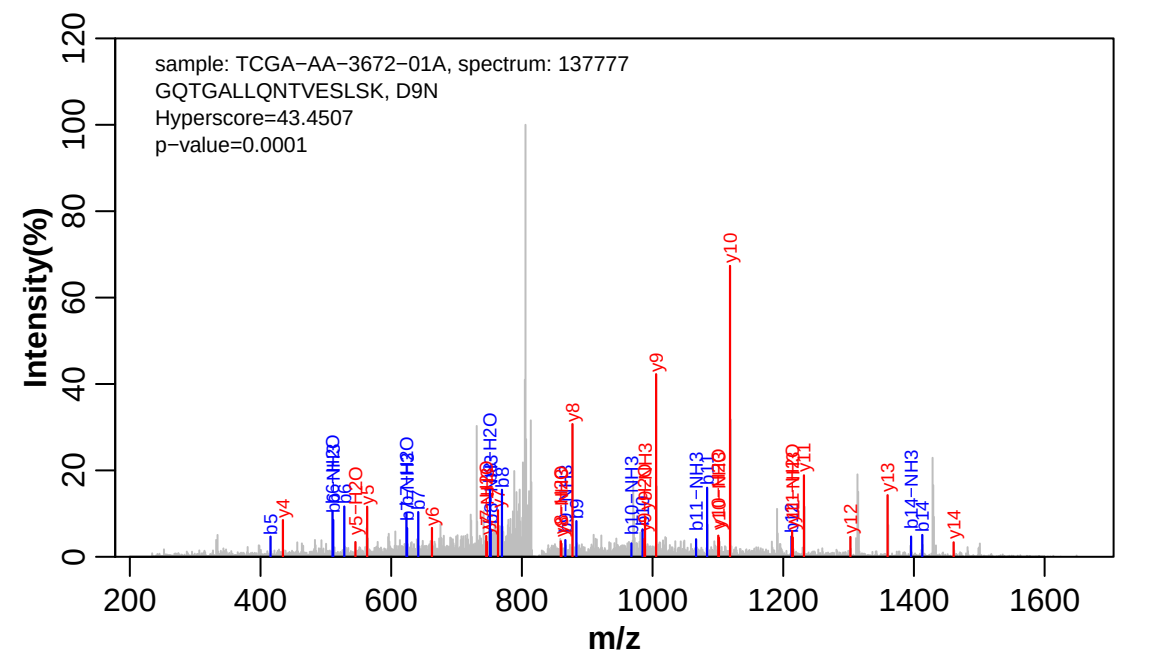

sample: TCGA−AA−3672−01A, spectrum: 79294
FNSVTELCAELPEQK, V11I
Hyperscore=31.2199
p−value=0.0001
Intensity(%)
m/z
b4−H2O
y5
y6−H2O
y6−NH3
y7−NH3
b8−NH3
y8
y9
y10
y11
b11
b14

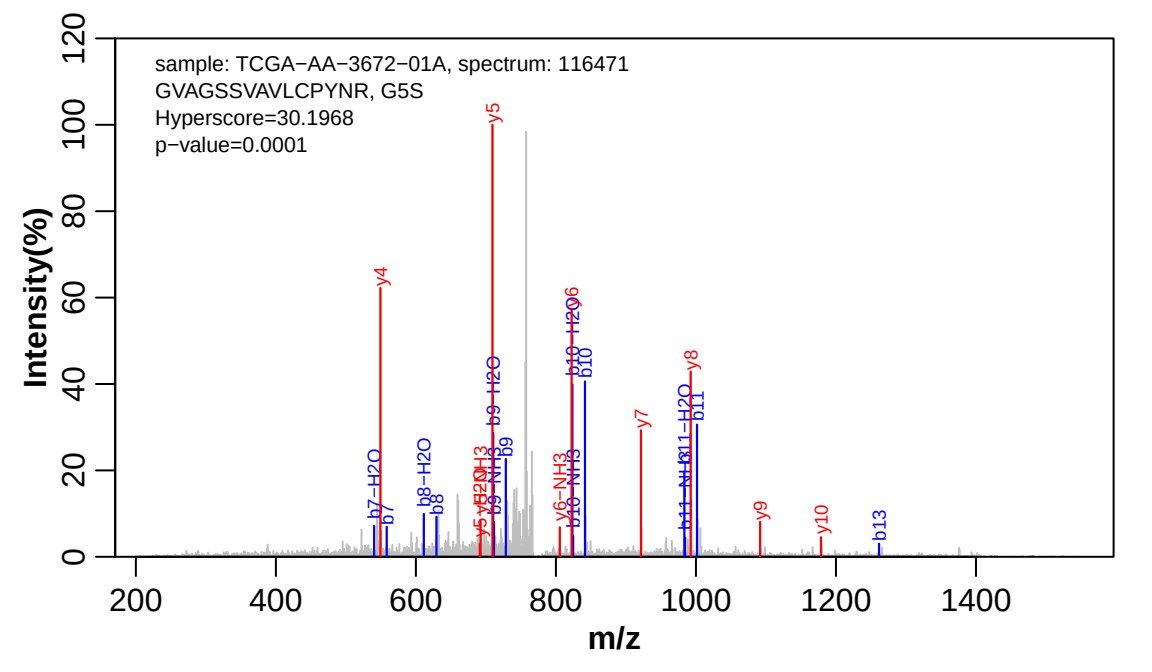

sample: TCGA−AA−3672−01A, spectrum: 18026
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=98.4216
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
b16++
b18++−H2O
b18++−NH3
b24++
b25++
b26++
b27++
b27++−NH3
b29++
b16
b17
b18
b20

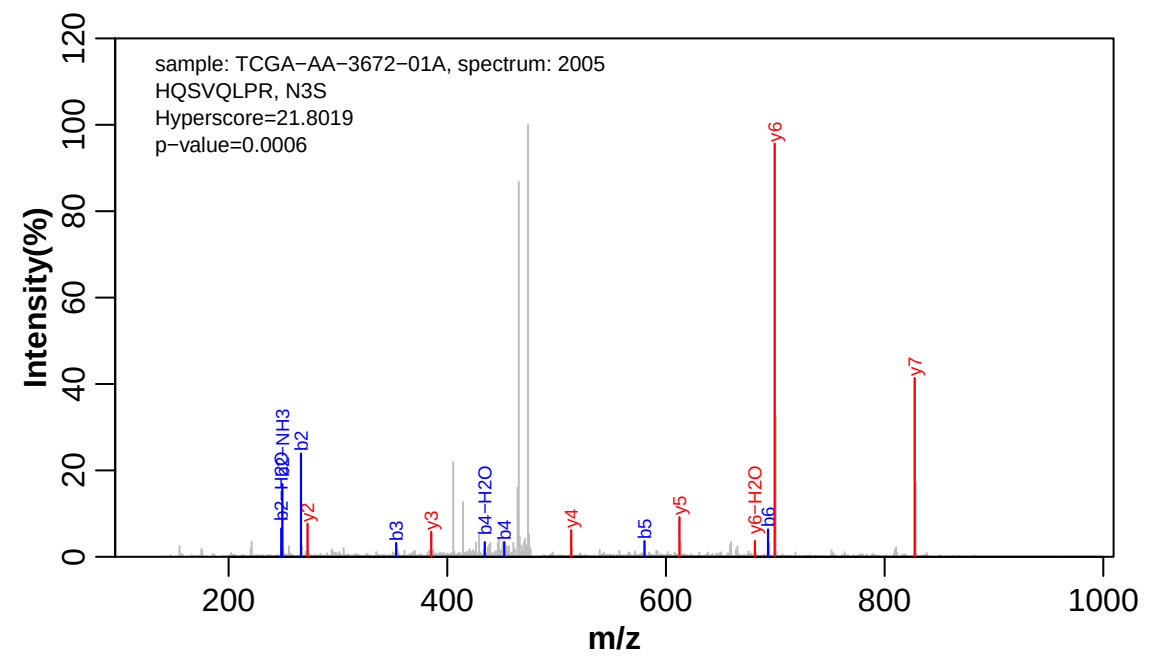

sample: TCGA−AA−3672−01A, spectrum: 89882
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=76.4589
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y6
y5−H2O
b9
b10
b12
y3
y7++
y9
y10−NH3
b11

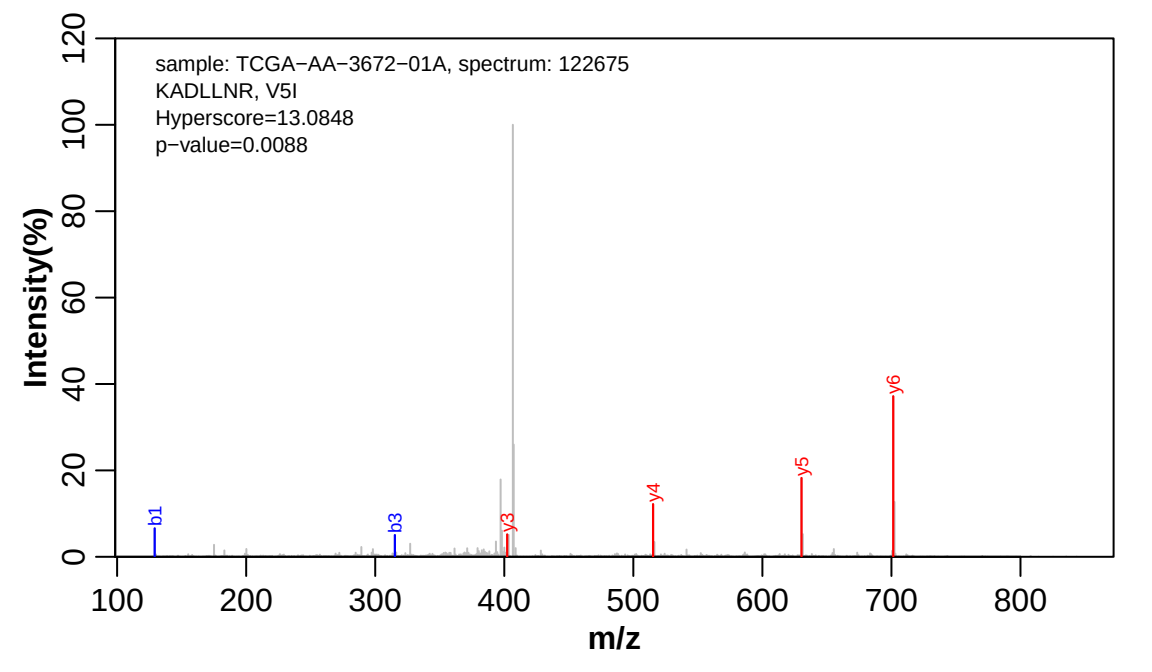

sample: TCGA−AA−3672−01A, spectrum: 49007
GKWERPFEVKDTEEEDFHVDQATTVK, 1722A
Hyperscore=89.5722
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
y10++
y7
b16++−H2O
b6−NH3
b13++
b20+++
b18++

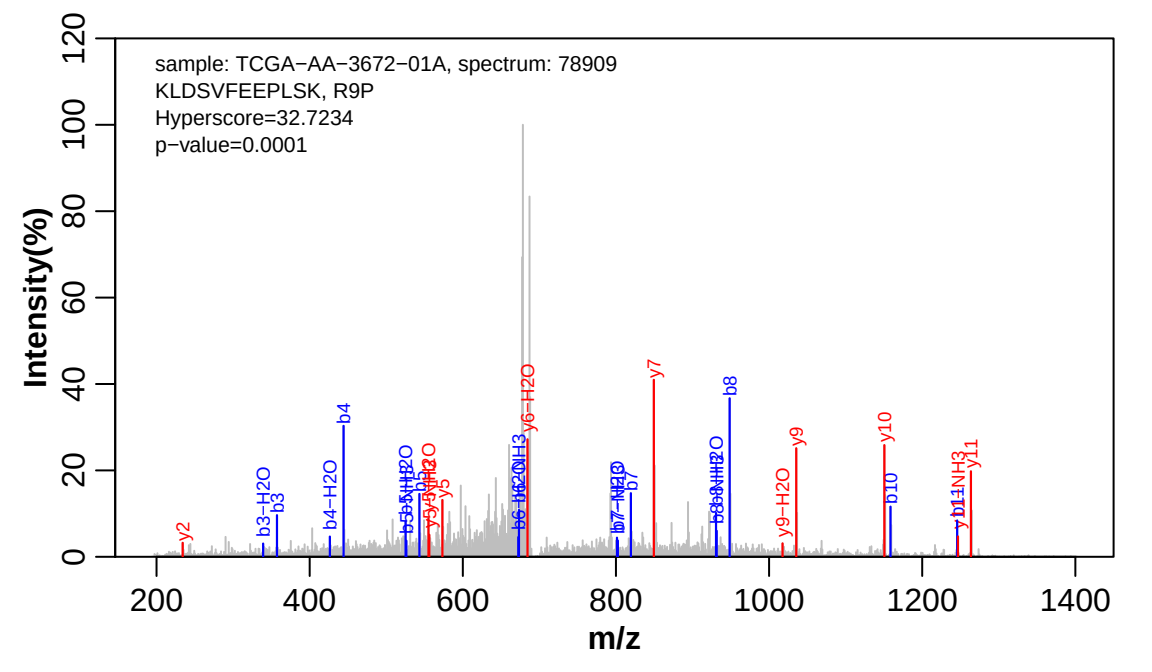

sample: TCGA−AA−3672−01A, spectrum: 90155
GLLDLLEER, V3I
Hyperscore=40.6879
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
y2−H2O
y2
b4
y3−NH3
y3
b5−H2O
b5
y4
b6−H2O
b6
y5−NH3
y5
b7−NH3
b7
y6
b8
y7

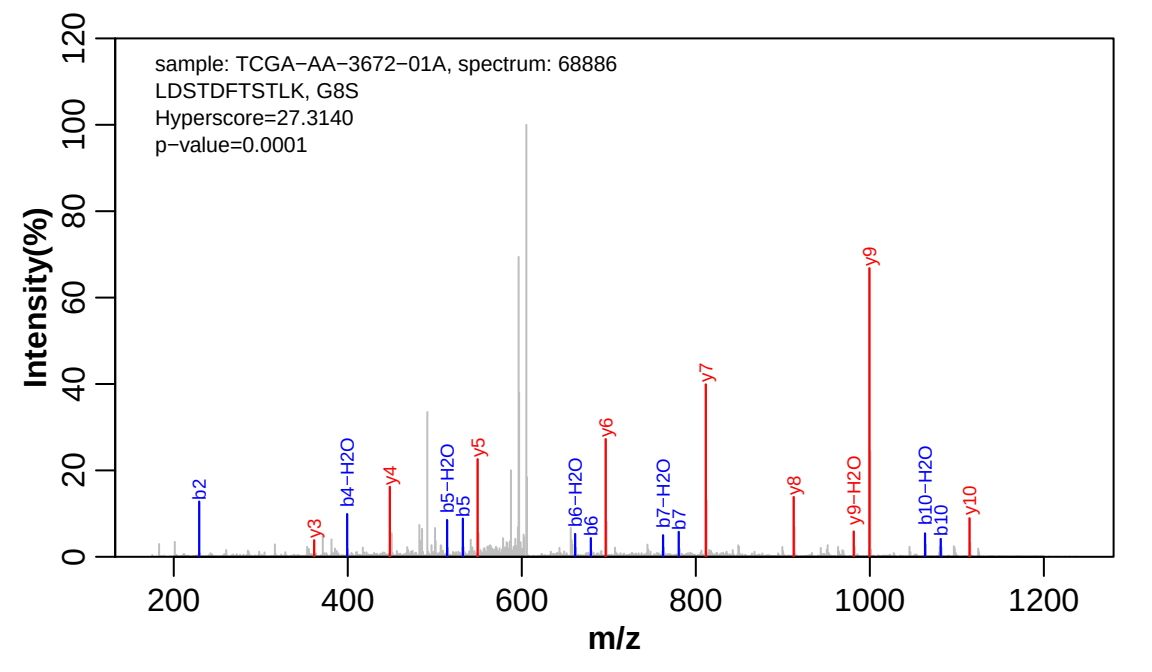

sample: TCGA−AA−3672−01A, spectrum: 137777
GQTGALLQNTVESLSK, D9N
Hyperscore=43.4507
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b5
y4
y5−H2O
y5
b7−NH3
b7
y6
y8
y9
y10
b11−NH3
b11
y11
y12
y13
b14−NH3
y14

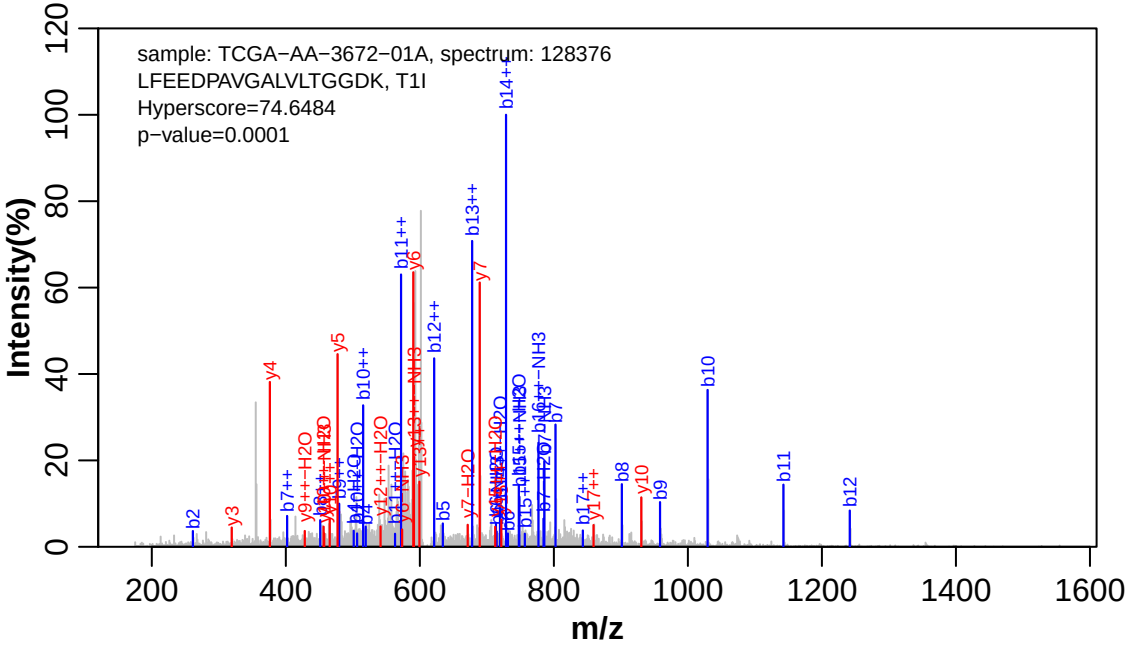

sample: TCGA−AA−3672−01A, spectrum: 116471
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.1968
p−value=0.0001
Intensity(%)
m/z
y4
y5
b7−H2O
b7
b8−H2O
b8
b9−H2O
b9
b10−H2O
b10
y7
y8
b11−H2O
b11
y9
y10
b13

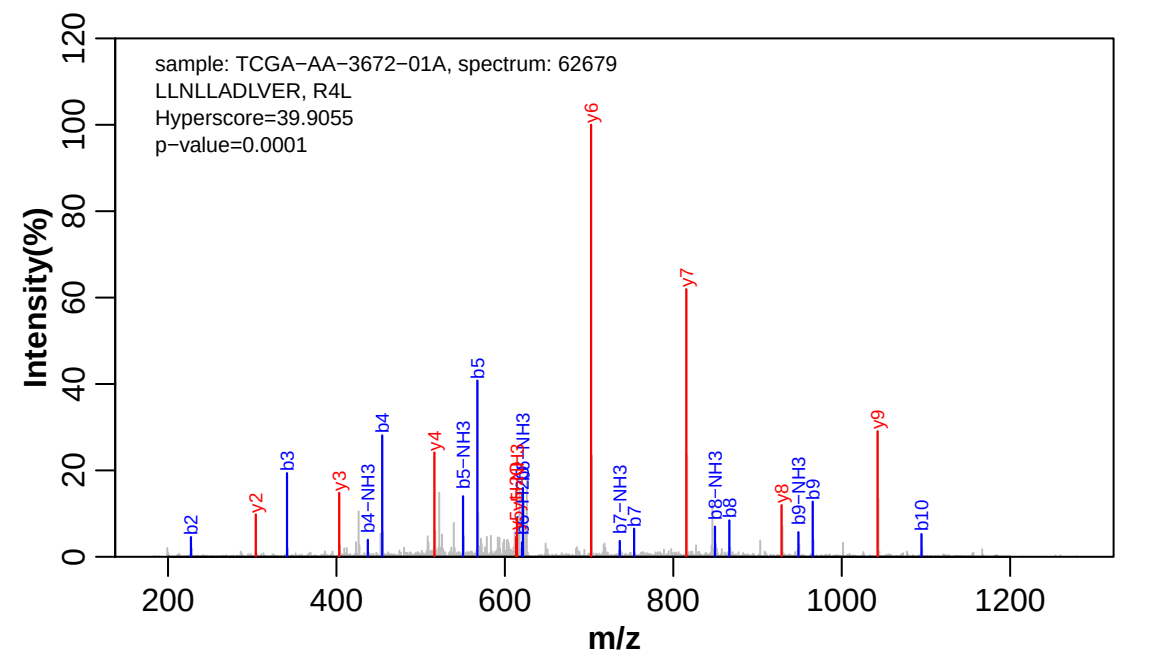

sample: TCGA−AA−3672−01A, spectrum: 2005
HQSVQLPR, N3S
Hyperscore=21.8019
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2−NH3
b2
y2
b3
y3
b4−H2O
b4
y4
b5
y5
y6−H2O
b6
y6
y7

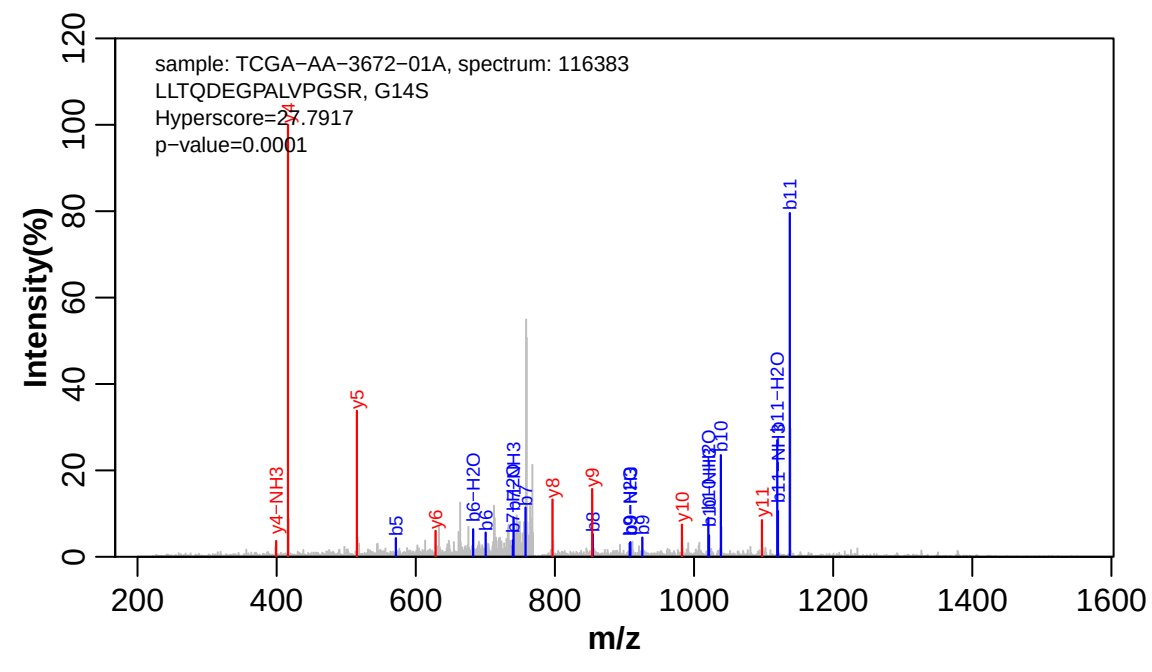

sample: TCGA−AA−3672−01A, spectrum: 122675
KADLLNR, V5I
Hyperscore=13.0848
p−value=0.0088
Intensity(%)
0
20
40
60
80
100
120
100
200
300
400
500
600
700
800
m/z
b1
b3
y3
y4
y5
y6

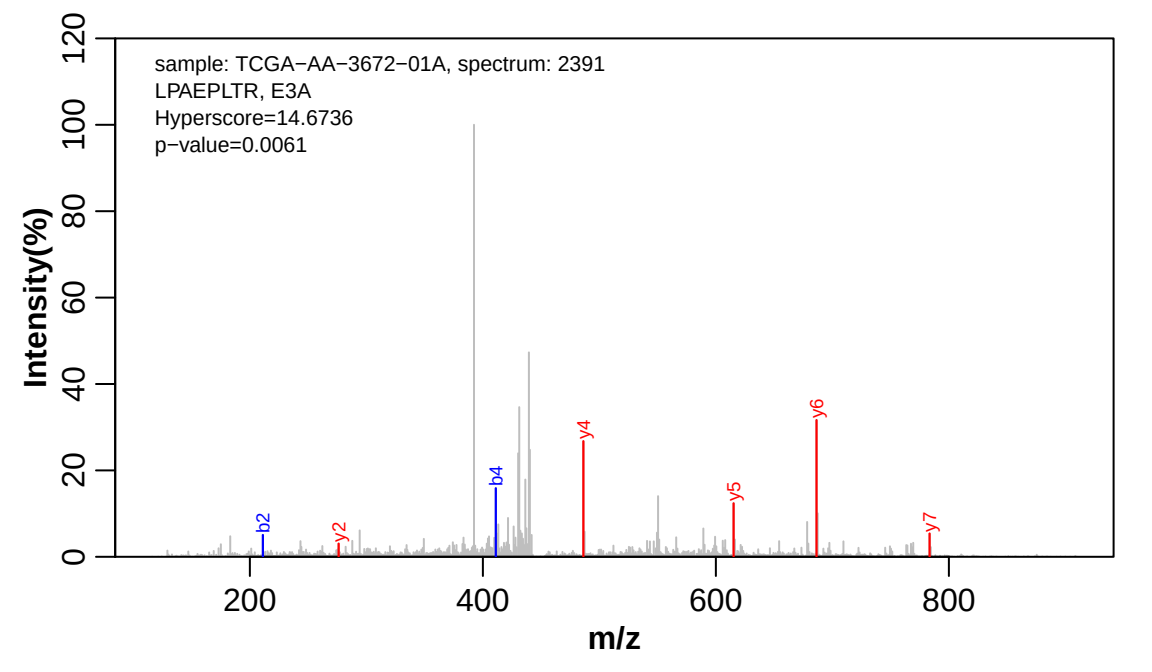

sample: TCGA−AA−3672−01A, spectrum: 78909
KLDSVFEEPLSK, R9P
Hyperscore=32.7234
p−value=0.0001
Intensity(%)
m/z
y2
b3−H2O
b3
b4
b4−H2O
y5
y6−H2O
y7
b8
y9
y9−H2O
y10
b10
y11

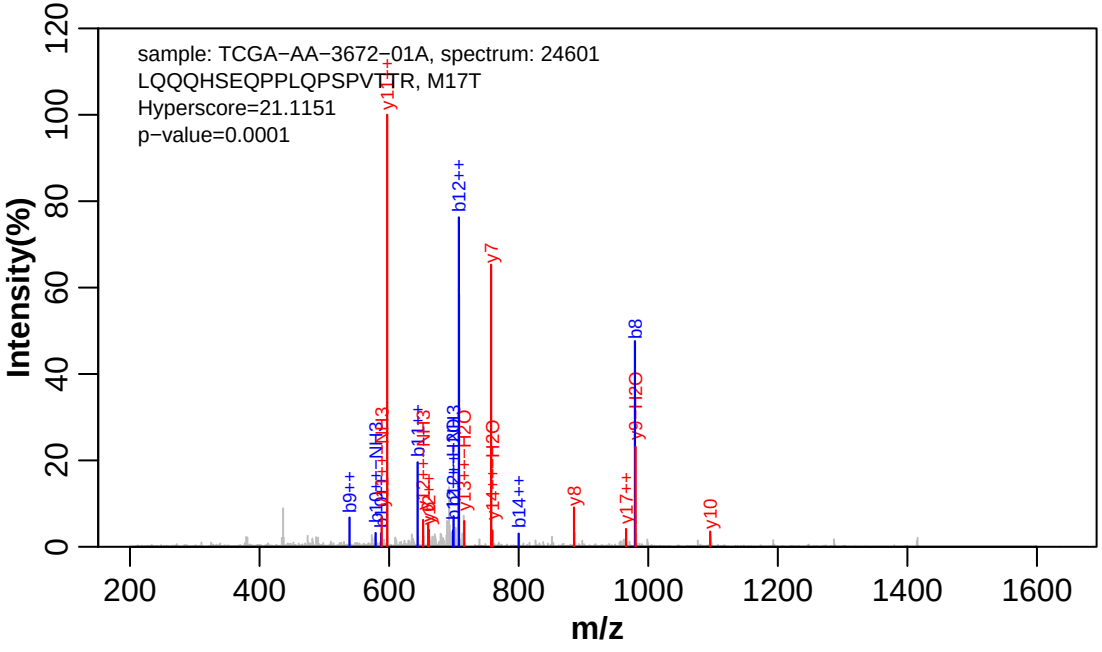

sample: TCGA−AA−3672−01A, spectrum: 68886
LDSTDFTSTLK, G8S
Hyperscore=27.3140
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9−H2O
y9
b10−H2O
b10
y10

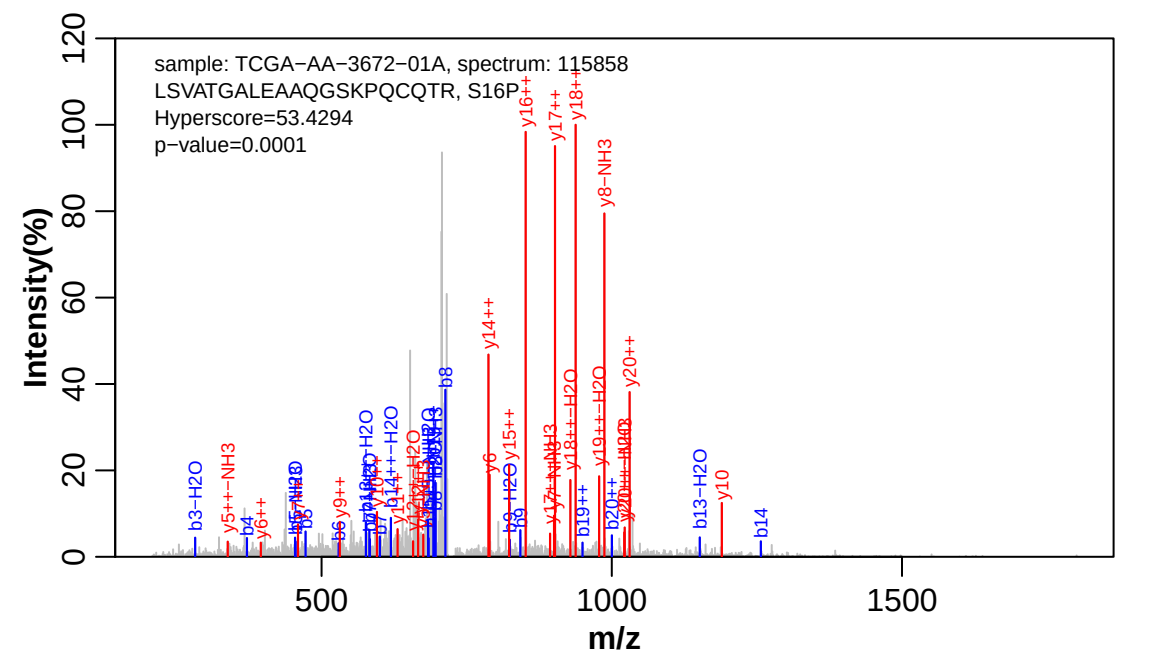

sample: TCGA−AA−3672−01A, spectrum: 128376
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=74.6484
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b14++
b13++
b11++
y6
y7
y5
y4
b12++
b10++
b10
b11
b12
b8
y10
b9
b7++
y3
b2
b5
b7
y17++

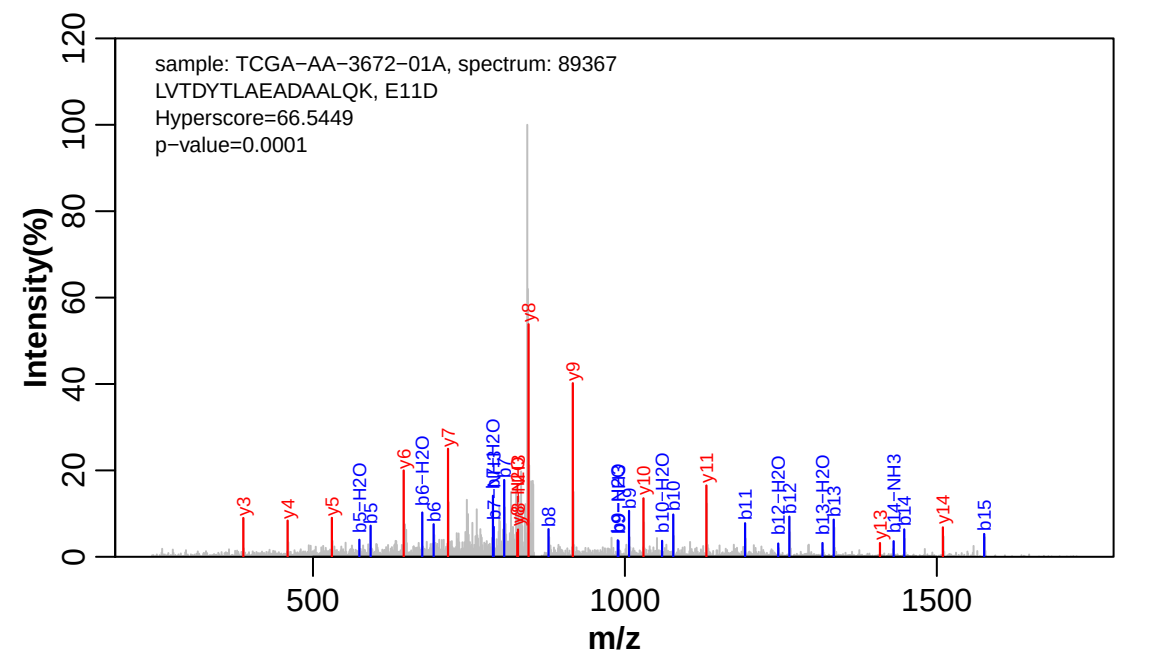

sample: TCGA−AA−3672−01A, spectrum: 62679
LLNLLADLVER, R4L
Hyperscore=39.9055
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
b7−NH3
b7
y6
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

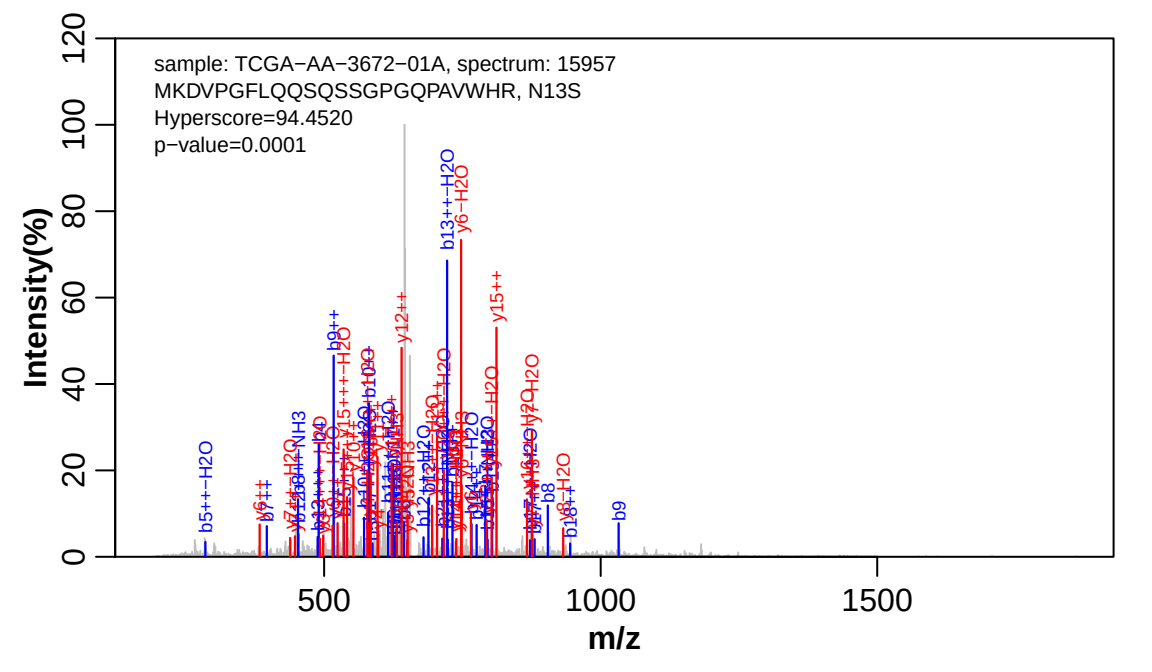

sample: TCGA−AA−3672−01A, spectrum: 116383
LLTQDEGPALVPGSR, G14S
Hyperscore=27.7917
p−value=0.0001
Intensity(%)
m/z
y4
y5
y6
y8
y9
y10
y11
b5
b6
b6−H2O
b10
b11
b11−H2O
y4−NH3

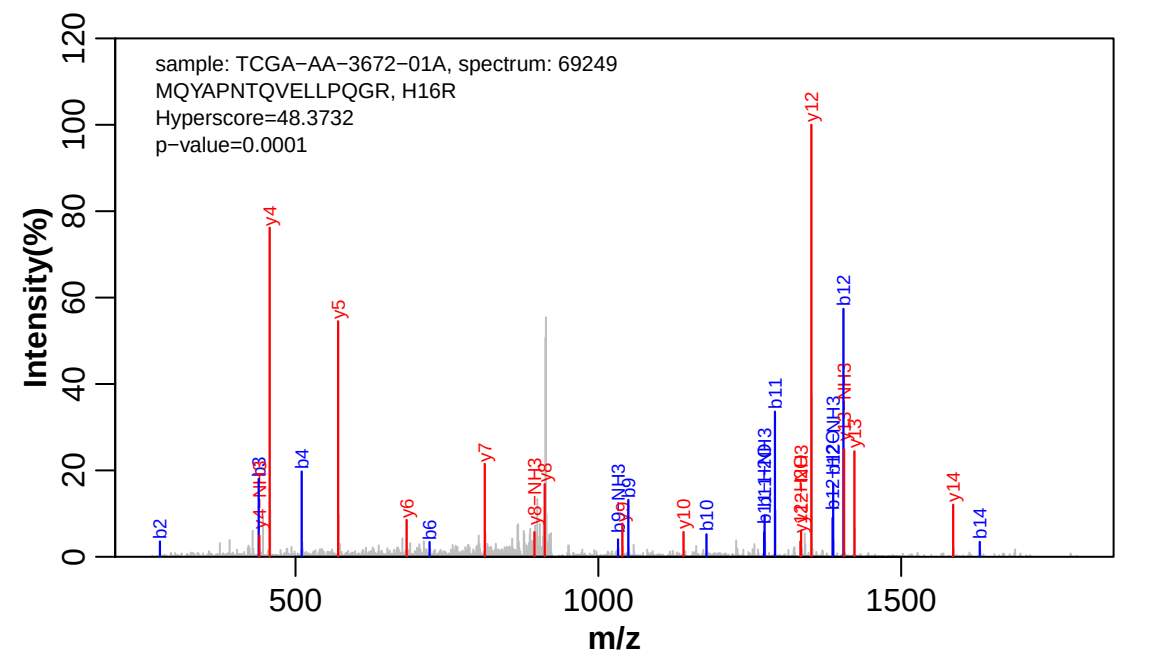

sample: TCGA−AA−3672−01A, spectrum: 2391
LPAEPLTR, E3A
Hyperscore=14.6736
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2
b4
y4
y5
y6
y7

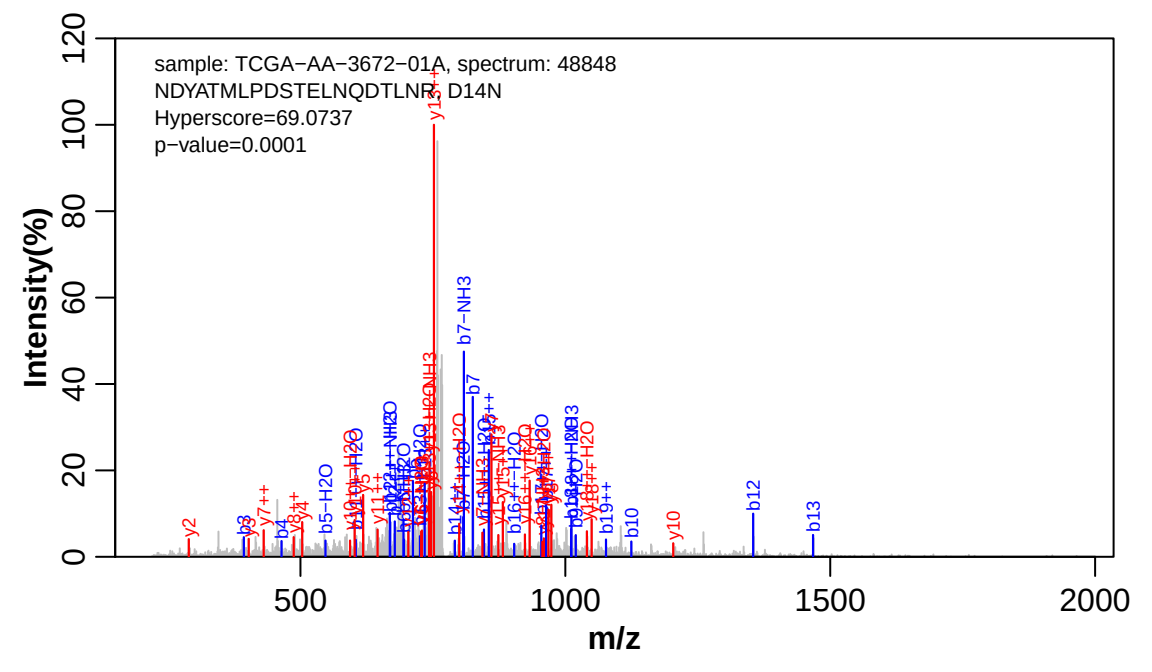

sample: TCGA−AA−3672−01A, spectrum: 24601
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.1151
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y11++
b12++
y7
b8
y9−H2O
y14++−H2O
y13++−H2O
b14++
y8
y17++
y10
b9++

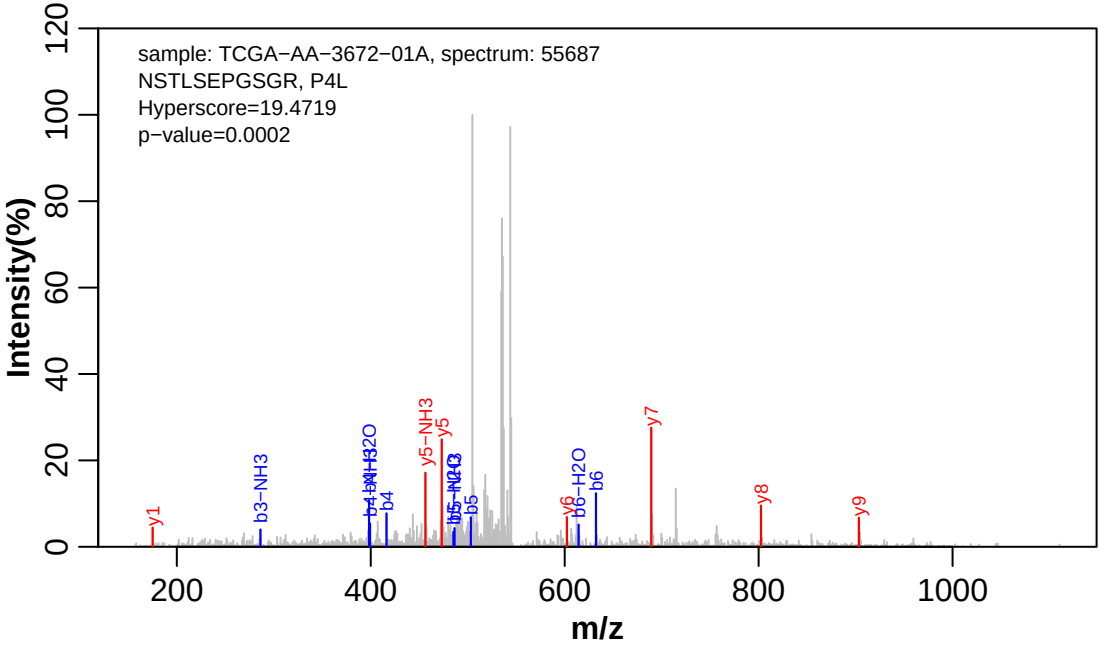

sample: TCGA−AA−3672−01A, spectrum: 115858
LSVATGALEAAQGSKPQCQTR, S16P
Hyperscore=53.4294
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y5++−NH3
b4
y6++
b6
y9++
b8
y16++
y17++
y18++
y8−NH3
y14++
y6
b9
y15++
b19++
y18++−H2O
y19++−H2O
b20++
y20++
b13−H2O
y10
b14

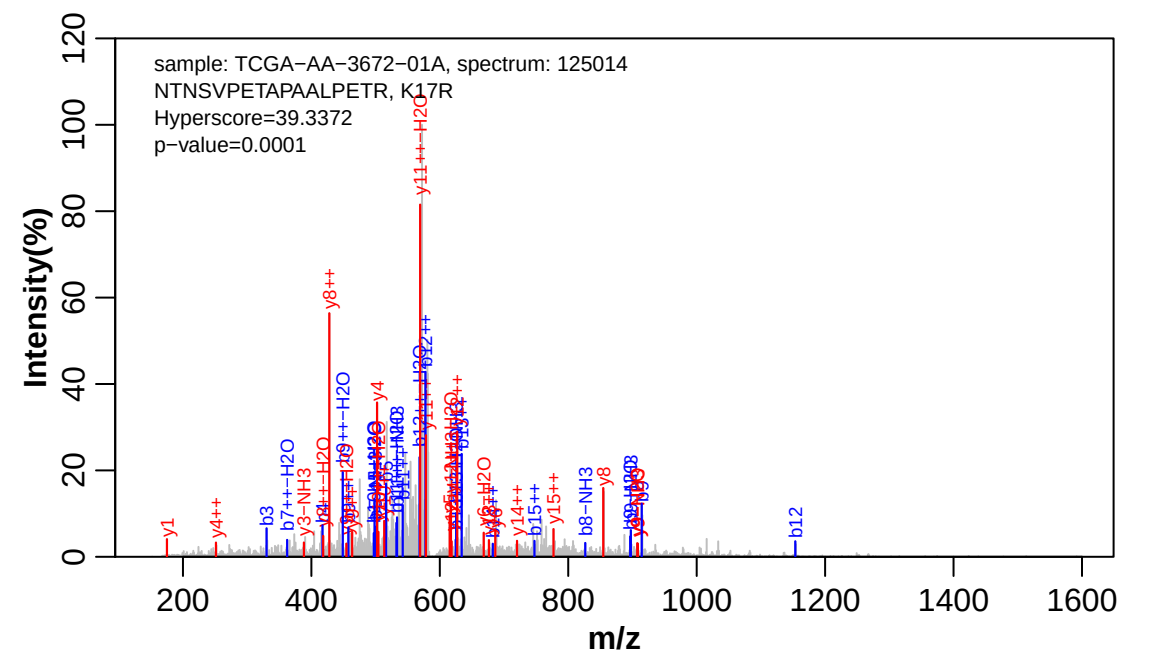

sample: TCGA−AA−3672−01A, spectrum: 89367
LVTDYTLAEADAALQK, E11D
Hyperscore=66.5449
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
b5−H2O
b5
y6
b6−H2O
b6
y7
b7−H2O
b7
y8
b8
y9
b9
y10
b10−H2O
b10
y11
b11
b12−H2O
b12
b13−H2O
b13
y13
b14−NH3
b14
y14
b15

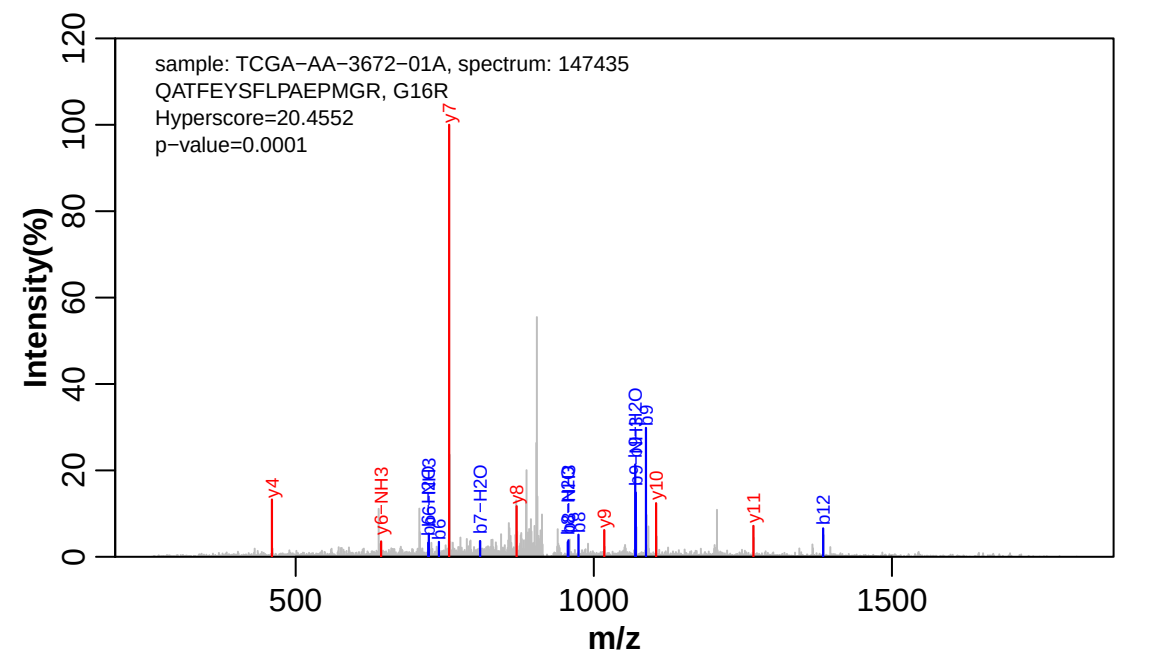

sample: TCGA−AA−3672−01A, spectrum: 15957
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=94.4520
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5++−H2O
b7++
b9++
y15++−H2O
y12++
b13++−H2O
y6−H2O
y15++
b9
b8
b18++−H2O

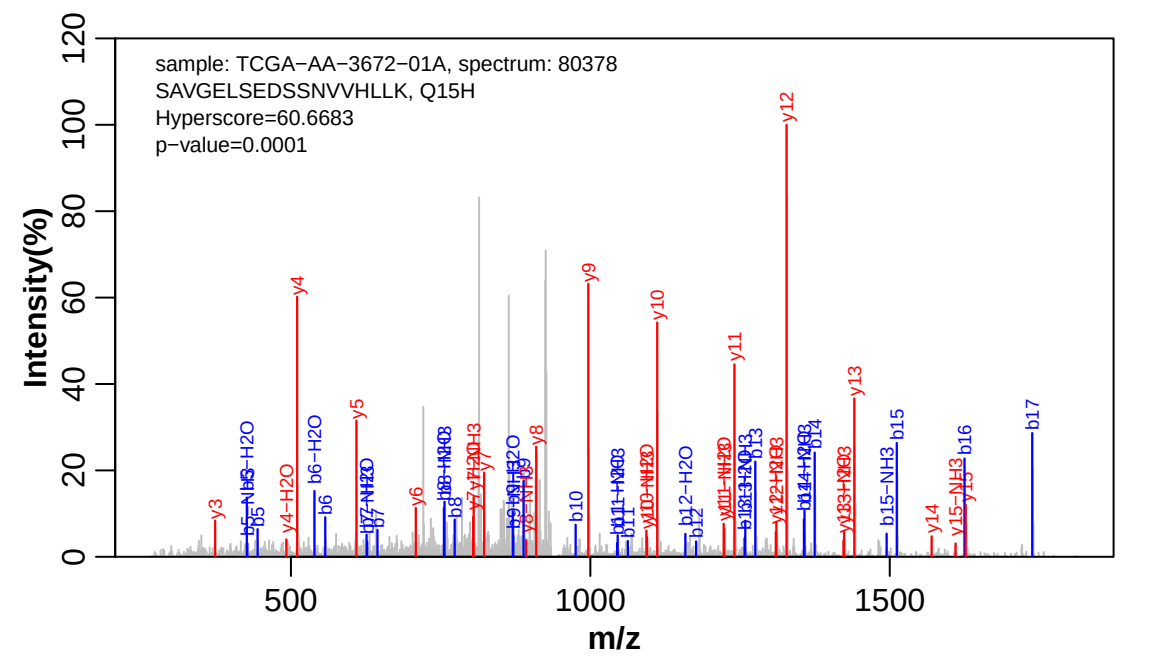

sample: TCGA−AA−3672−01A, spectrum: 69249
MQYAPNTQVELLPQGR, H16R
Hyperscore=48.3732
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y4
y4−NH3
b4
y5
y6
b6
y7
y8
y8−NH3
b9
b9−NH3
y10
b10
b11
y12
b12
y13
y14
b14

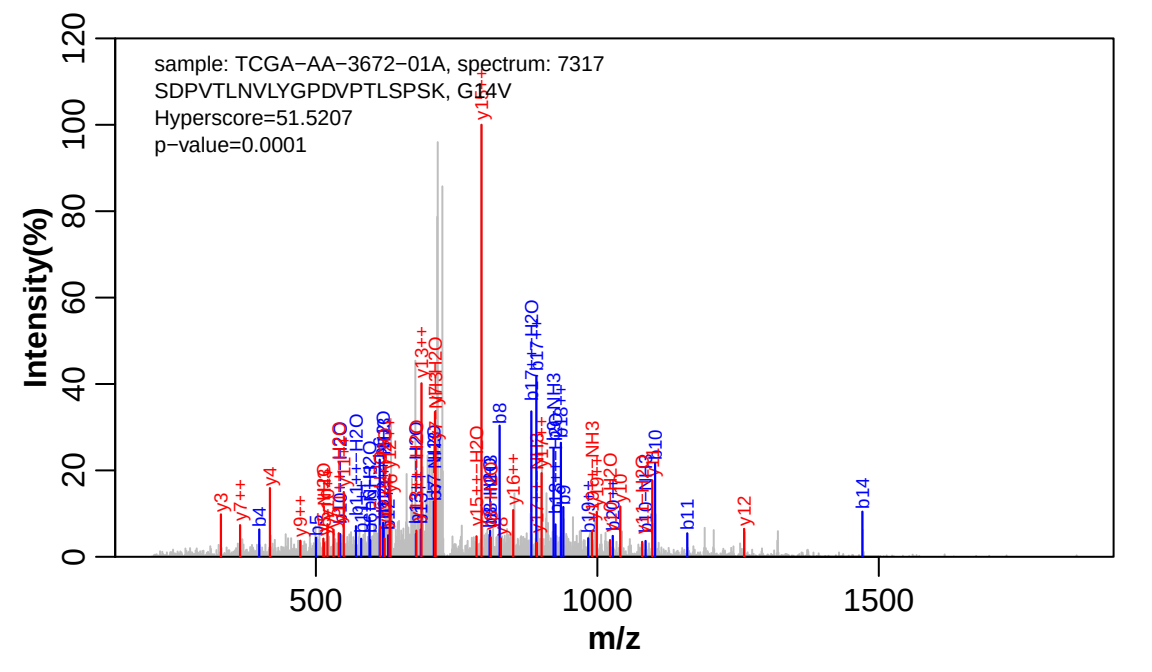

sample: TCGA−AA−3672−01A, spectrum: 48848
NDYATMLPDSTELNQDTLNR, D14N
Hyperscore=69.0737
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y13++
b7−NH3
b7
y2
b3
y7++
b4
y4++
b5−H2O
b12
b13
b10
y10
b19++

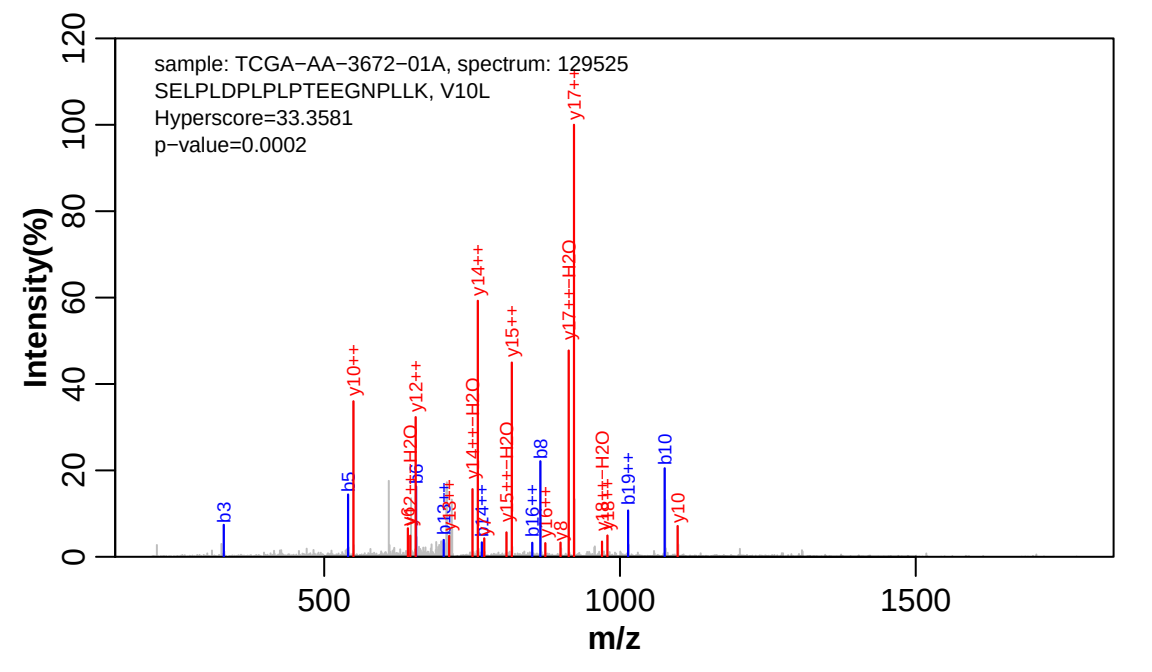

sample: TCGA−AA−3672−01A, spectrum: 55687
NSTLSEPGSGR, P4L
Hyperscore=19.4719
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y1
b3−NH3
b4−NH3
b4−H2O
b4
y5−NH3
y5
b5−NH3
b5
y6
b6−H2O
b6
y7
y8
y9

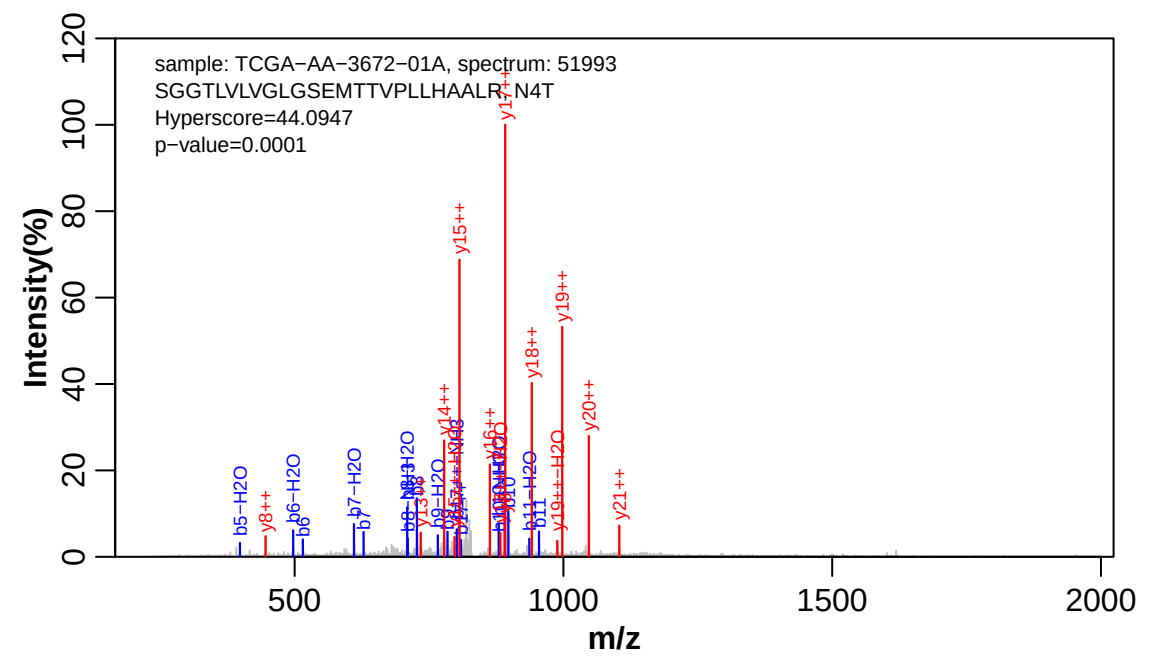

sample: TCGA−AA−3672−01A, spectrum: 125014
NTNSVPETAPAALPETR, K17R
Hyperscore=39.3372
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y1
y4++
b3
b7++−H2O
y3−NH3
y4++−H2O
y8++
y4++−H2O
y4
y11++−H2O
y11++
b12++
b13++
y14++
b15++
y15++
b8−NH3
y8
b12

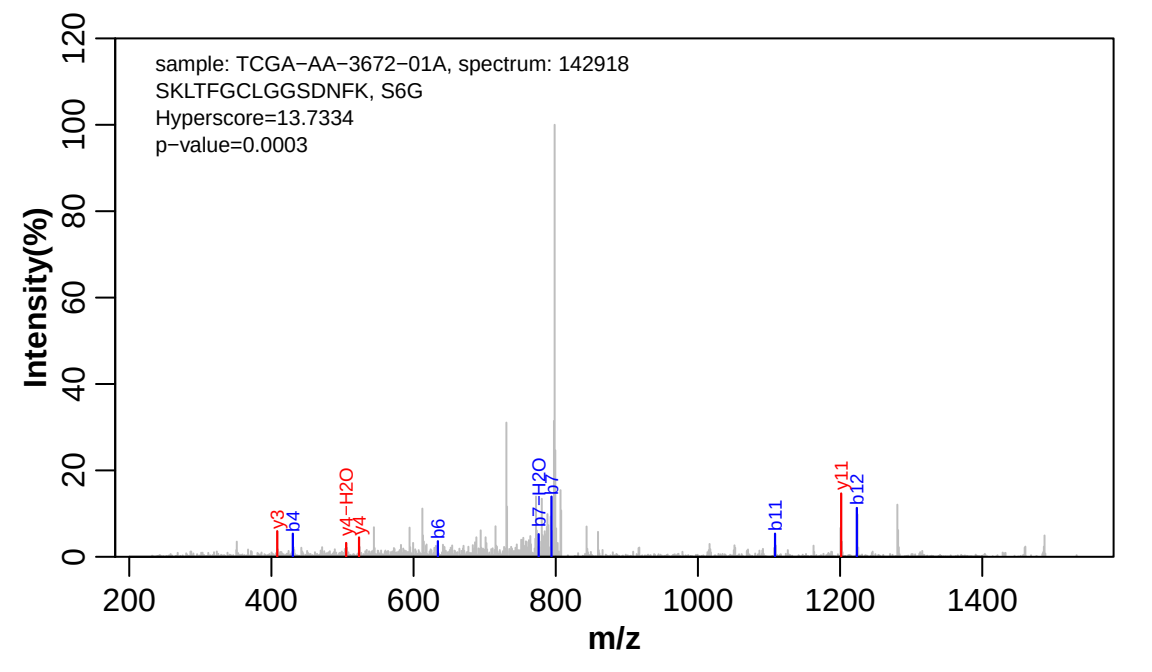

sample: TCGA−AA−3672−01A, spectrum: 147435
QATFEYSFLPAEPMGR, G16R
Hyperscore=20.4552
p−value=0.0001
Intensity(%)
m/z
y7
y4
y6−NH3
b7−H2O
y8
y9
y10
y11
b12

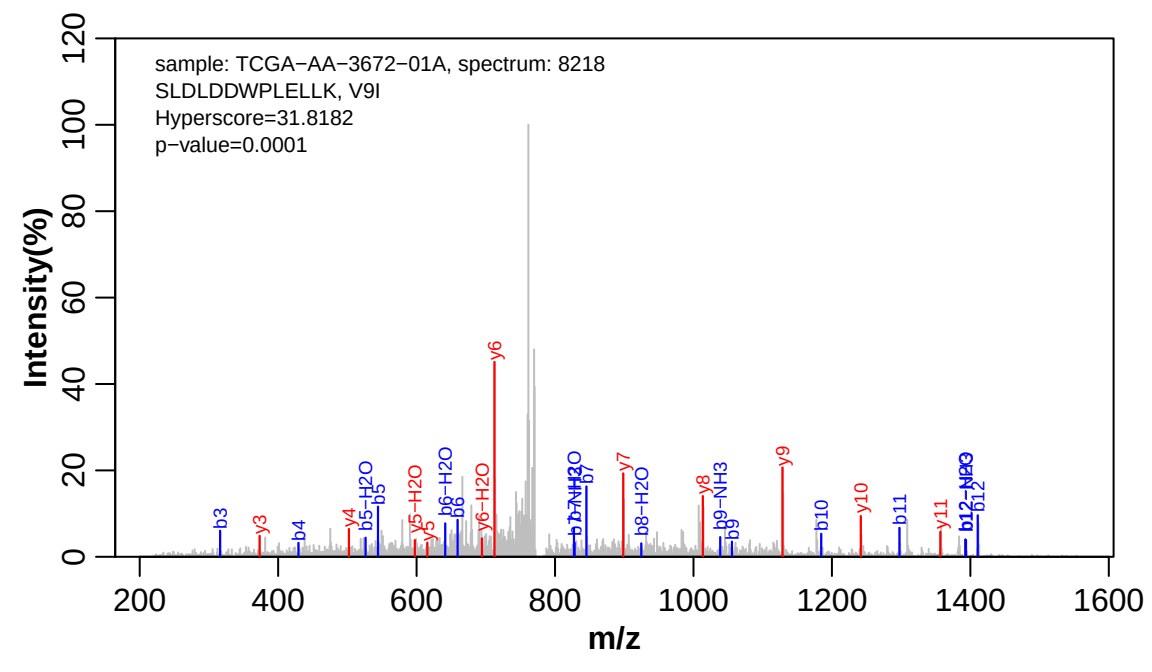

sample: TCGA−AA−3672−01A, spectrum: 80378
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=60.6683
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y4−H2O
b6−H2O
b6
y5
y6
y7
y8
b10
y9
y10
b12−H2O
b12
y11
b13
y12
y13
b15−NH3
b15
y14
y15−NH3
b16
b17

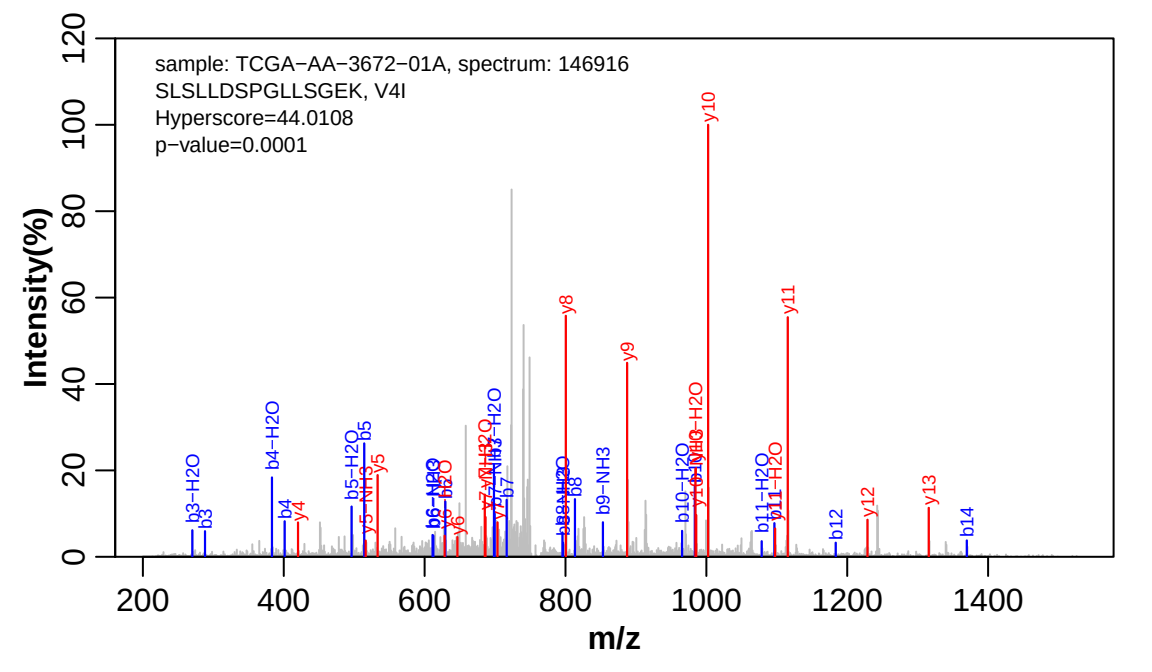

sample: TCGA−AA−3672−01A, spectrum: 7317
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=51.5207
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y7++
b4
y4
y9++
b5
b8
y16++
b17−H2O
b17
b14
y12
b11
y10
y13++
y15++−H2O

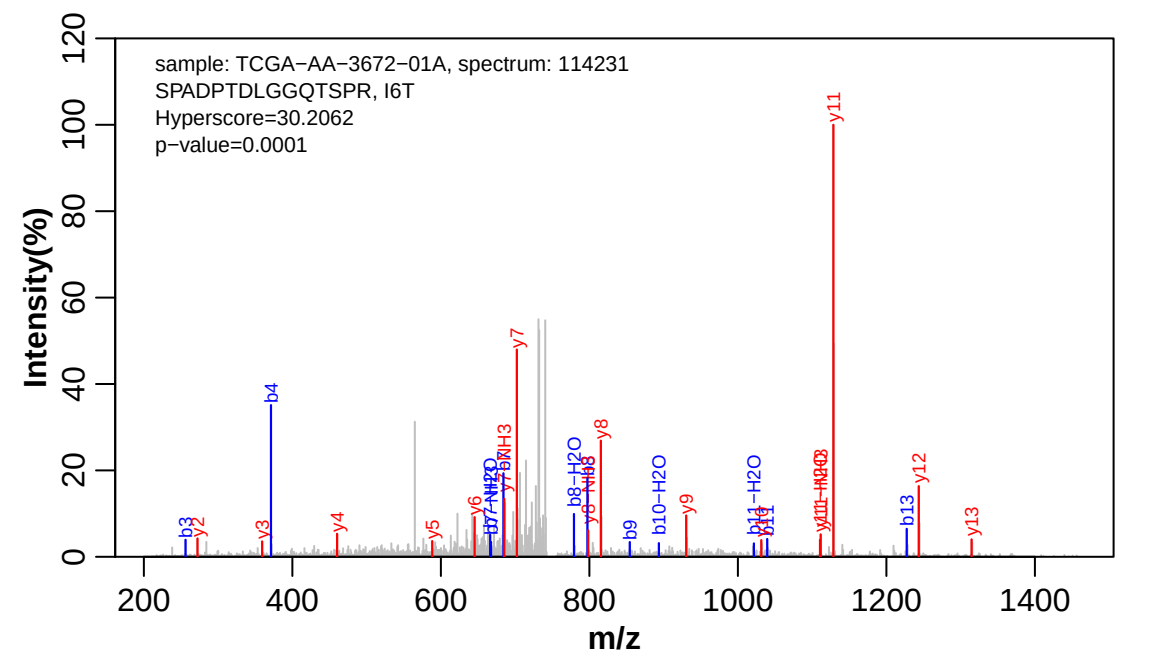

sample: TCGA−AA−3672−01A, spectrum: 129525
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=33.3581
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b5
y10++
y12++
y14++
y14++−H2O
y15++
y15++−H2O
y17++
y17++−H2O
b8
b10
b16++
b19++
y18++−H2O
y10

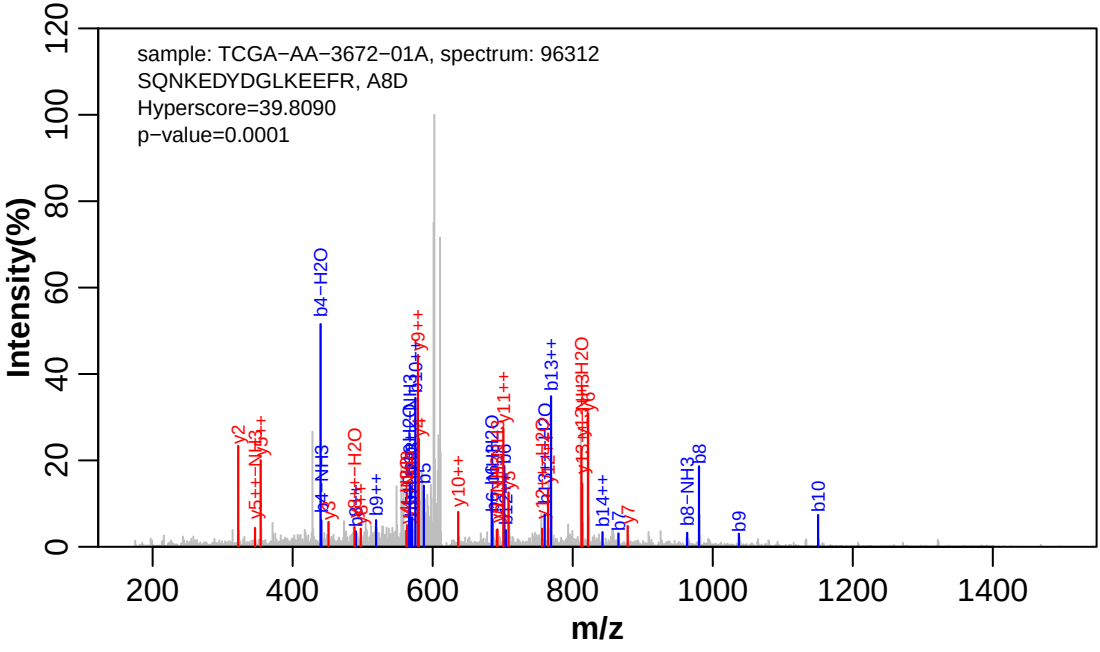

sample: TCGA−AA−3672−01A, spectrum: 51993
SGGTLVLVGLGSEMTTVPLLHAALR_N4T
Hyperscore=44.0947
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5−H2O
y8++
b6
b6−H2O
b7
b7−H2O
y15++
y17++
y18++
y19++
y20++
y21++
b11
b11−H2O

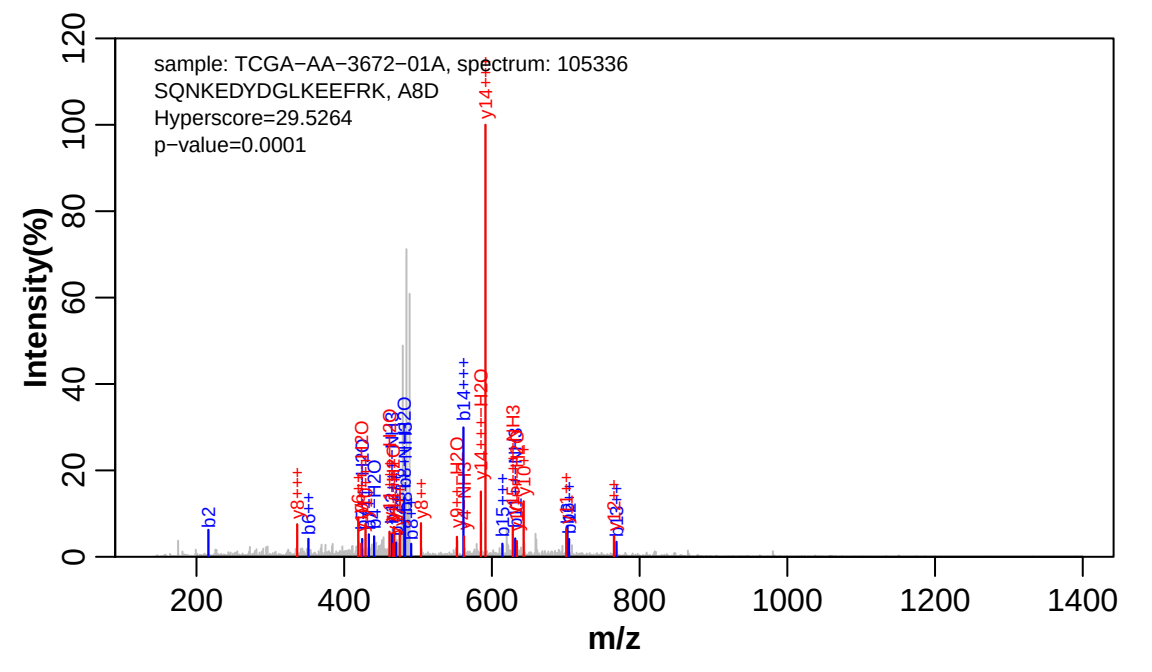

sample: TCGA−AA−3672−01A, spectrum: 142918
SKLTFGCLGGSDNFK, S6G
Hyperscore=13.7334
p−value=0.0003
Intensity(%)
m/z
y3
b4
y4−H2O
y4
b6
b7−H2O
b7
b11
y11
b12

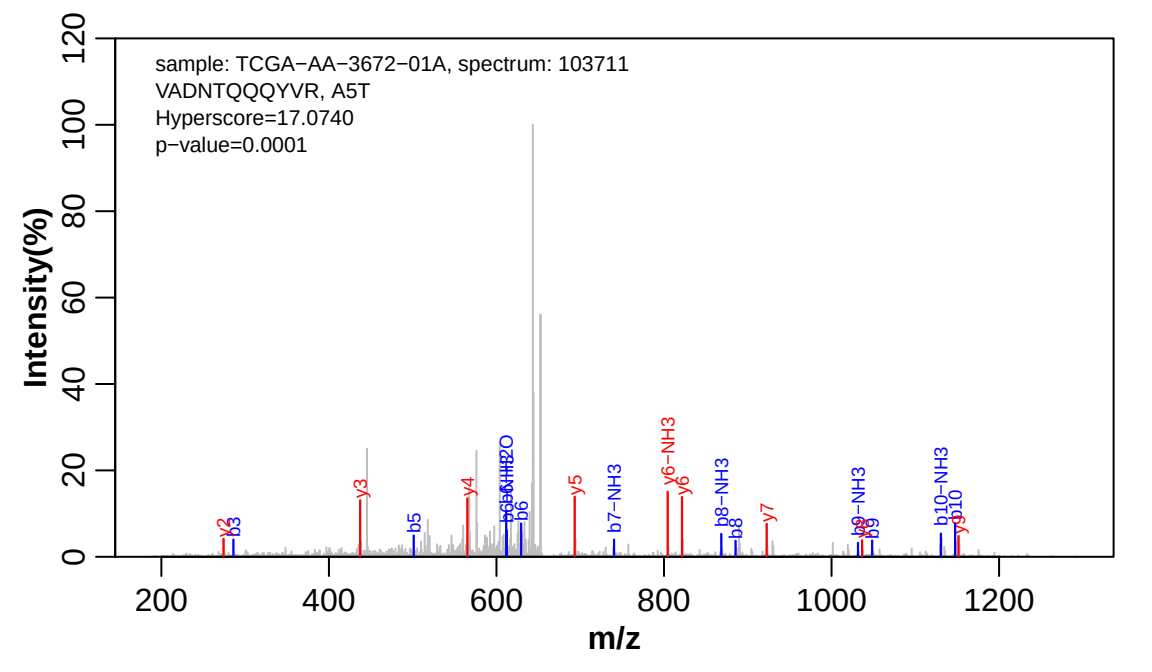

sample: TCGA−AA−3672−01A, spectrum: 8218
SLDLDDWPLELLK, V9I
Hyperscore=31.8182
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b4
y4
b5−H2O
b5
y5−H2O
y5
b6−H2O
b6
y6−H2O
y6
b7−NH3
b7
y7
b8−H2O
y8
b9−NH3
b9
y9
b10
y10
b11
y11
b12

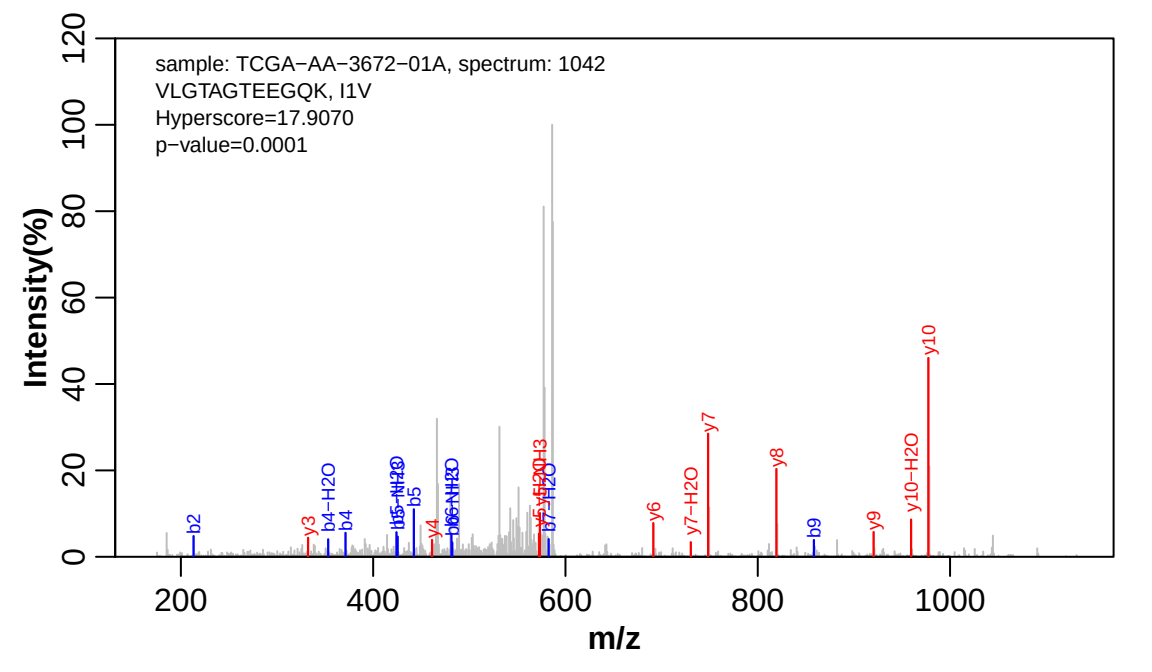

sample: TCGA−AA−3672−01A, spectrum: 146916
SLSLLDSPGLLSGEK, V4I
Hyperscore=44.0108
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
b4−H2O
b4
y4
b5−H2O
b5−NH3
y5
b5
y6
y8
b7
b8
b9−NH3
y9
b10−H2O
y10
b11−H2O
y11
b12
y12
y13
b14

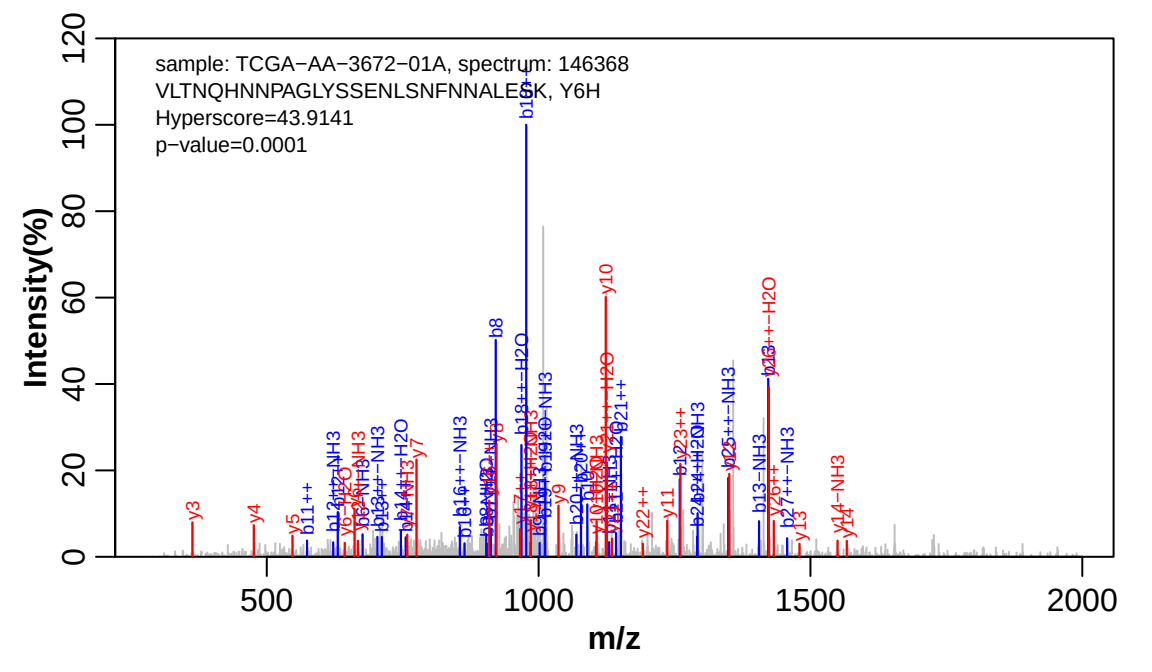

sample: TCGA−AA−3672−01A, spectrum: 114231
SPADPTDLGGQTSPR, I6T
Hyperscore=30.2062
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
y5
y6
y7
y8
y9
y11
b13
y12
y13

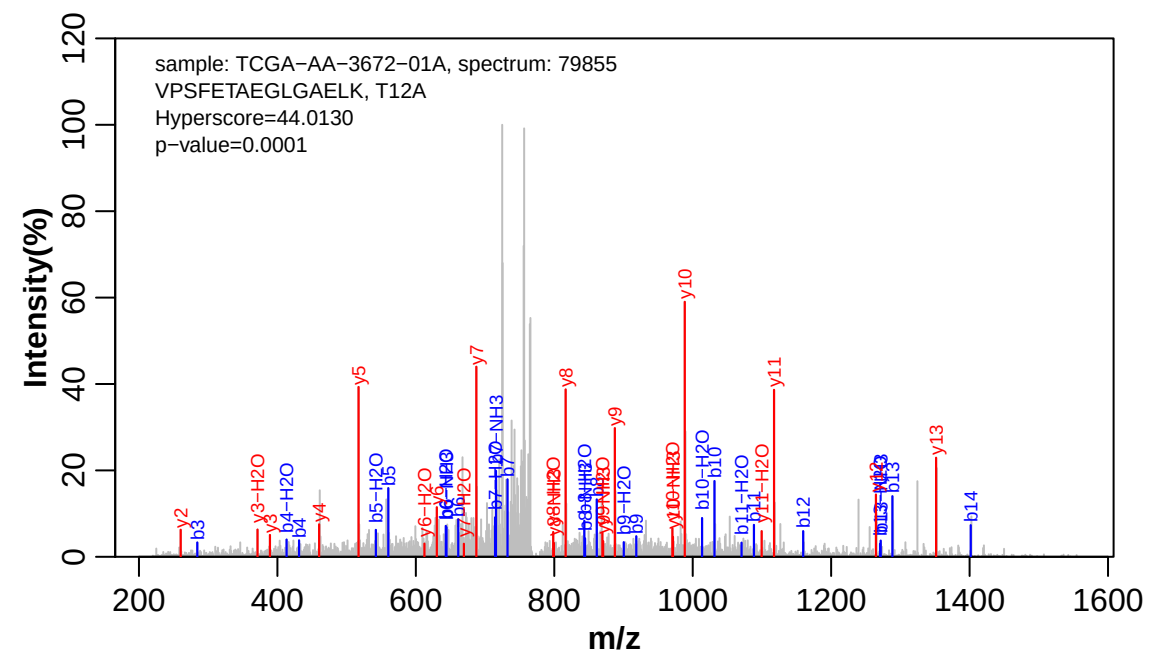

sample: TCGA−AA−3672−01A, spectrum: 96312
SQNKEDYDGLKEEFR, A8D
Hyperscore=39.8090
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4−H2O
y2
y5++−NH3
y5++
b4−NH3
y3
b3++−H2O
b9++
b5
y4
b10++
y9++
y10++
y11++
b13++
b14++
y7
b8
b8−NH3
b9
b10

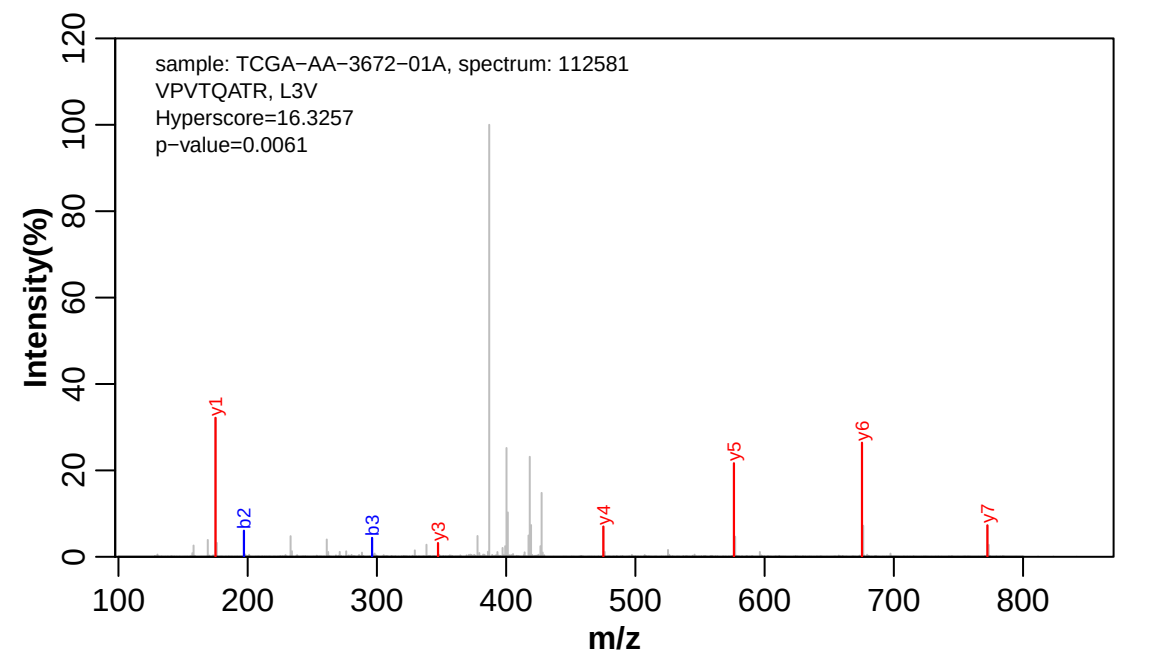

sample: TCGA−AA−3672−01A, spectrum: 105336
SQNKEDYDGLKEEFRK, A8D
Hyperscore=29.5264
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y14++
b14+++
y14+++−H2O
y8+++
b2
b6++
y8++
b15+++
b13++

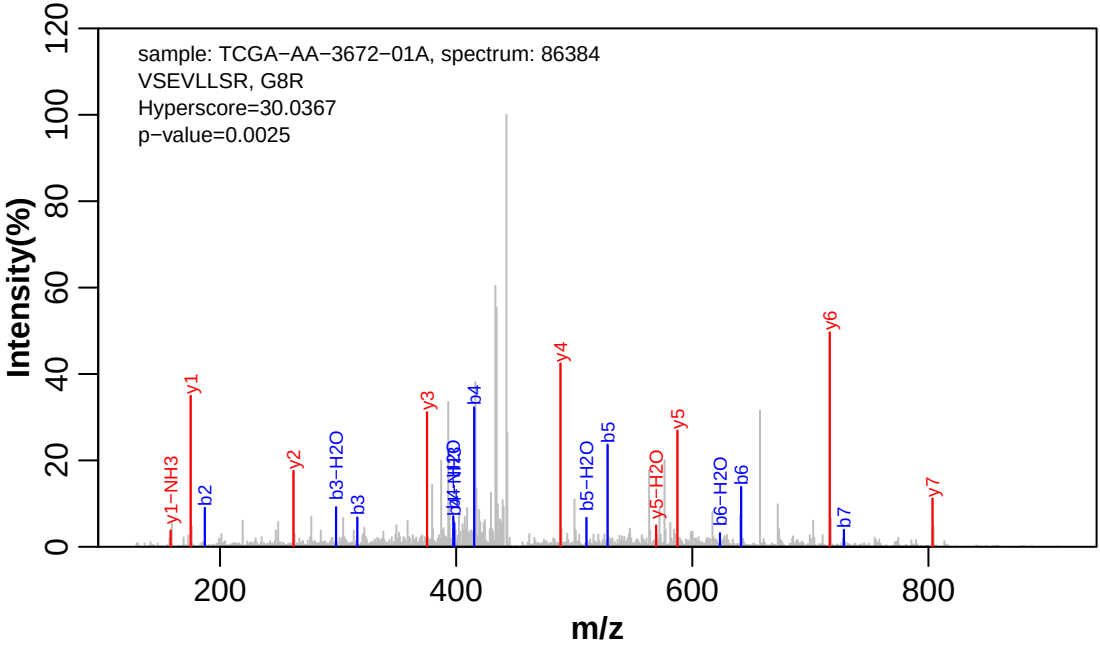

sample: TCGA−AA−3672−01A, spectrum: 103711
VADNTQQQYVR, A5T
Hyperscore=17.0740
p−value=0.0001
Intensity(%)
m/z
y2
b3
y3
b5
y4
b6
y5
b7−NH3
y6−NH3
y6
b8−NH3
b8
y7
b9−NH3
b9
b10−NH3
y10

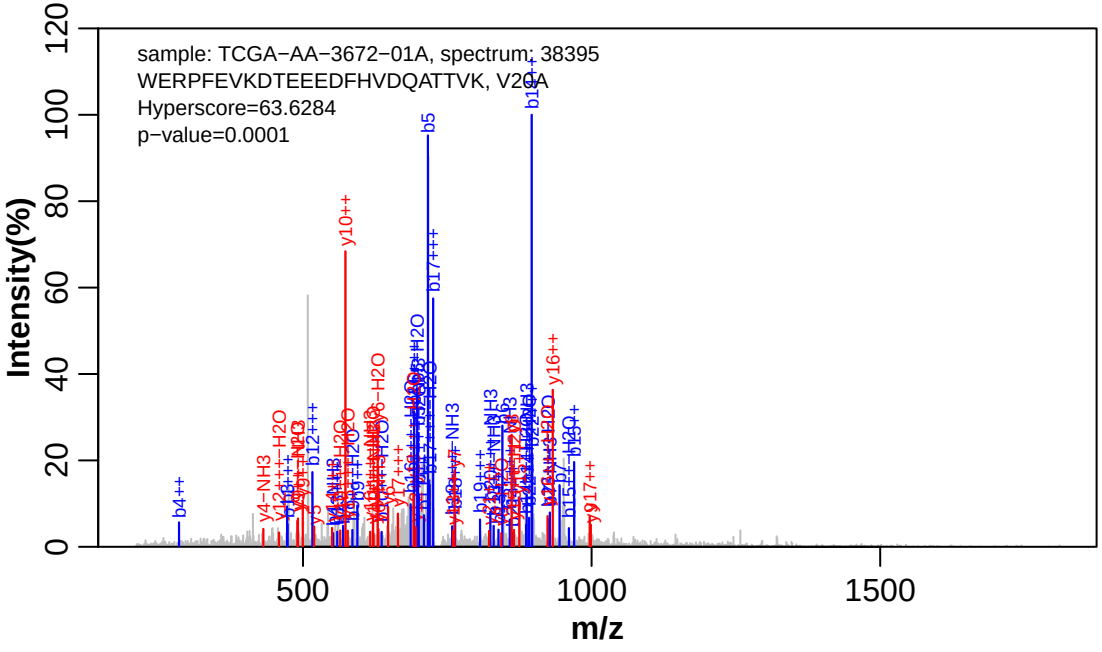

sample: TCGA−AA−3672−01A, spectrum: 1042
VLGTAGTEEGQK, I1V
Hyperscore=17.9070
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y3
b4−H2O
b4
b5
y4
y6
y7−H2O
y7
y8
b9
y9
y10−H2O
y10

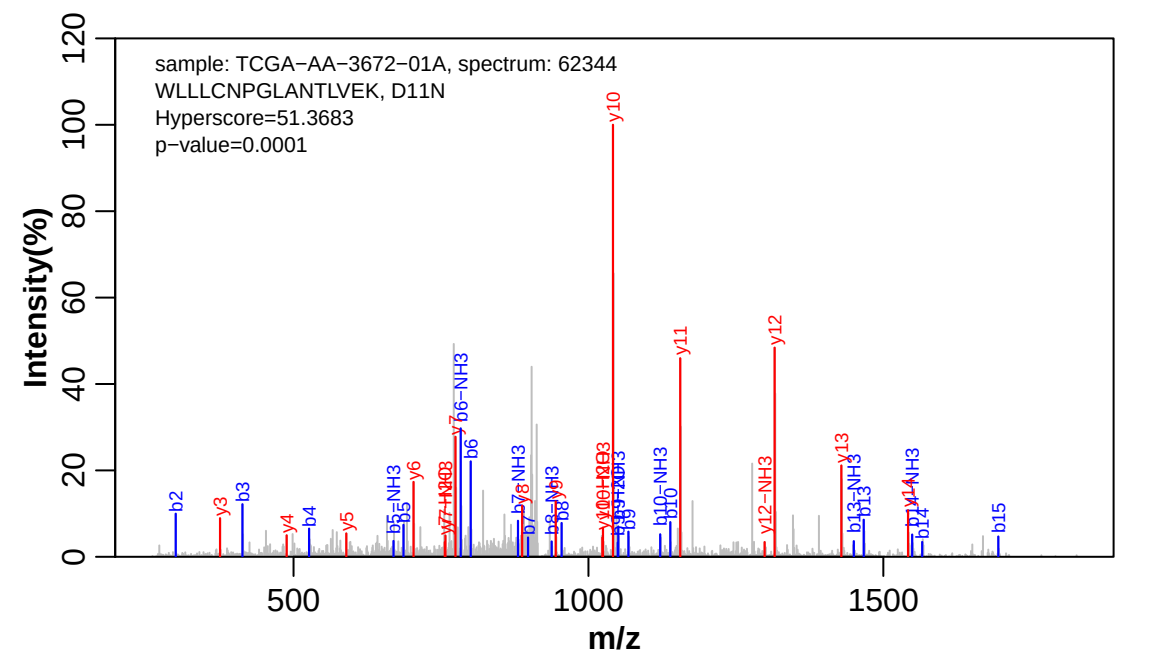

sample: TCGA−AA−3672−01A, spectrum: 146368
VLTNQHNNPAGLYSSENLSNFNNALESK, Y6H
Hyperscore=43.9141
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b16++
b8
y10
y3
y4
y5
b11++
y7
y9
y11
y22++
y13
y14
y14−NH3
b13−NH3
y6++
b7++−NH3

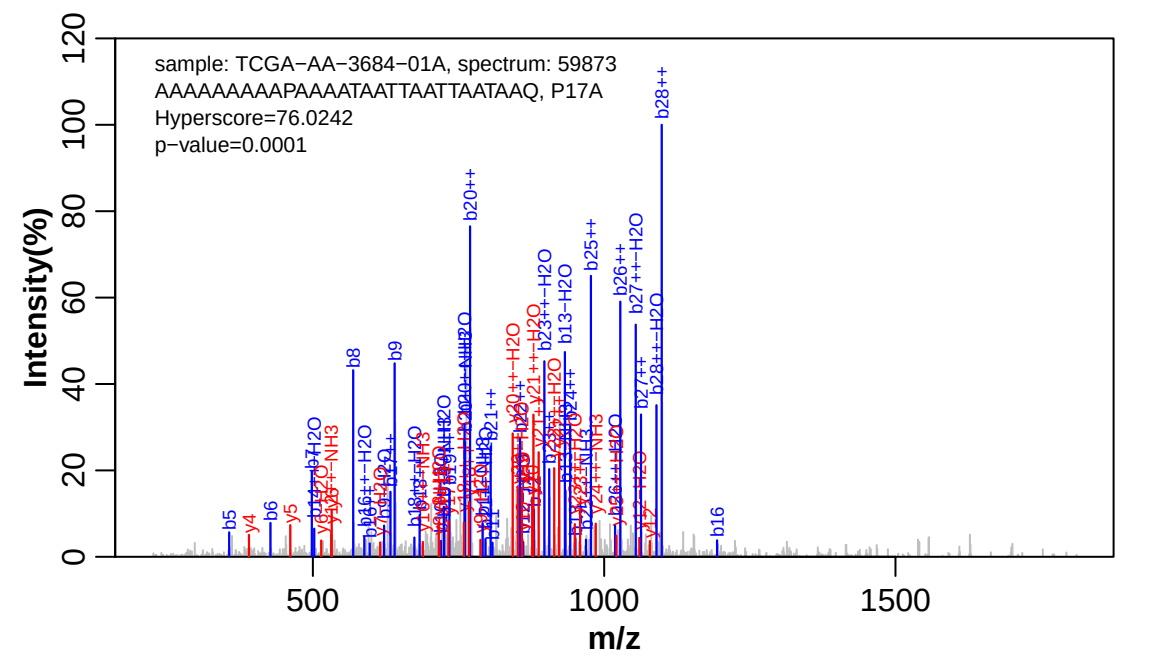

sample: TCGA−AA−3672−01A, spectrum: 79855
VPSFETAEGLGAELK, T12A
Hyperscore=44.0130
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
y3−H2O
y3
b4−H2O
b4
y4
y5
b5−H2O
b5
y6−H2O
y6
y7−H2O
y7
y7
b7−H2O−NH3
b7
y8
y8−NH3−H2O
y8−H2O
y9
b9−H2O
b9
y10
b10−H2O
b10
y11
b11−H2O
y11−H2O
b12
y13
b14

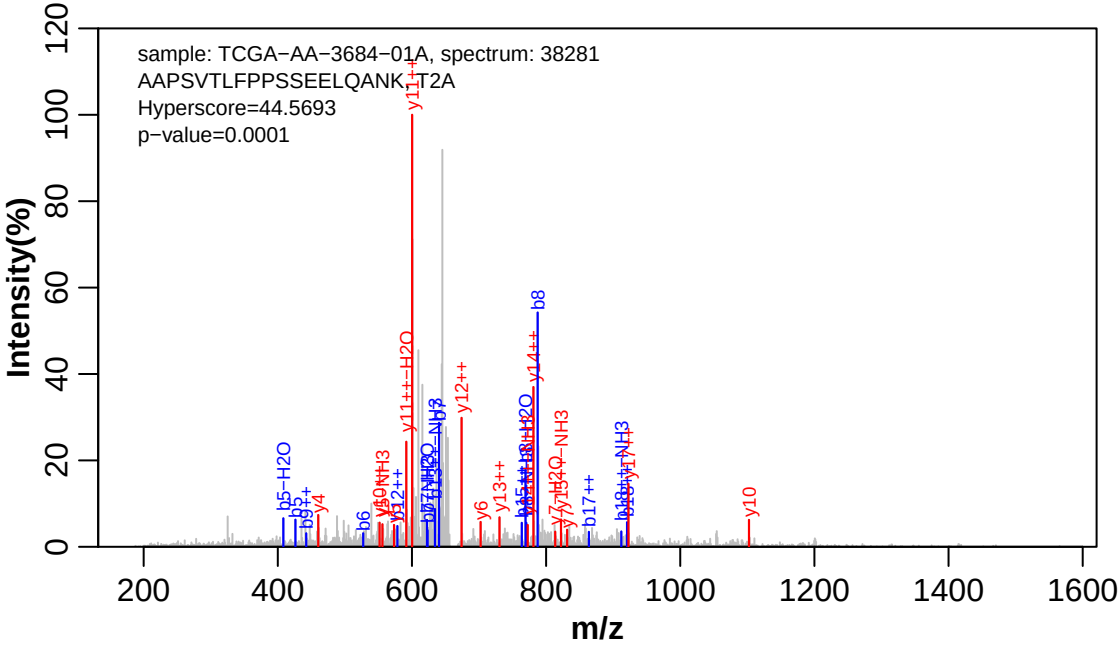

sample: TCGA−AA−3672−01A, spectrum: 112581
VPVTQATR, L3V
Hyperscore=16.3257
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
m/z
100
200
300
400
500
600
700
800
y1
b2
b3
y3
y4
y5
y6
y7

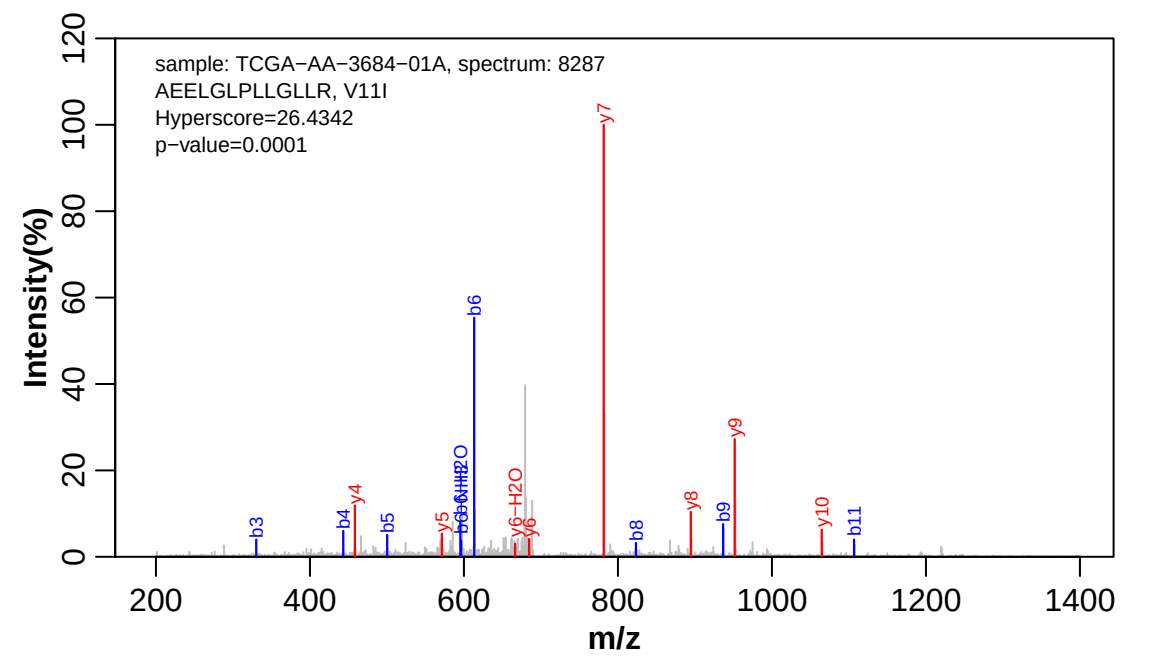

sample: TCGA−AA−3672−01A, spectrum: 86384
VSEVLLSR, G8R
Hyperscore=30.0367
p−value=0.0025
Intensity(%)
m/z
y1−NH3
y1
b2
y2
b3−H2O
b3
y3
b4−NH3
b4−H2O
b4
y4
b5−H2O
b5
y5−H2O
y5
b6−H2O
b6
b7
y6
y7

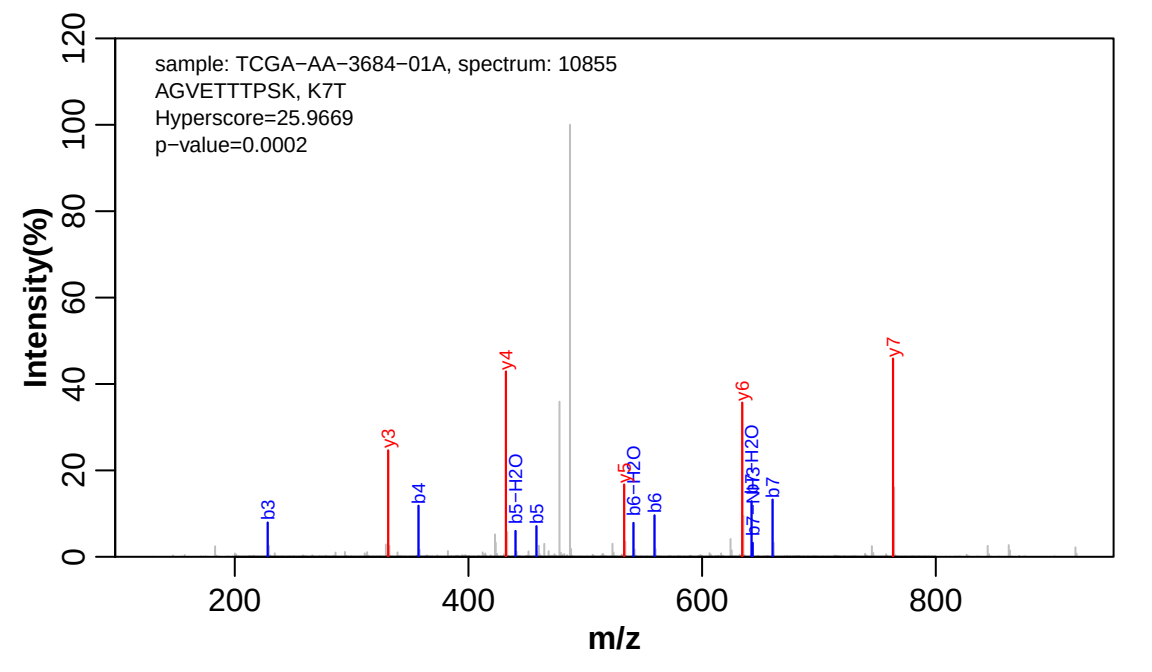

sample: TCGA−AA−3672−01A, spectrum: 38395
WERPFEVKDTEEEDFHVDQATTVK, V26A
Hyperscore=63.6284
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4++
y4−NH3
y4−H2O
b5
y10++
b17+++
b18++
y16++
y17++

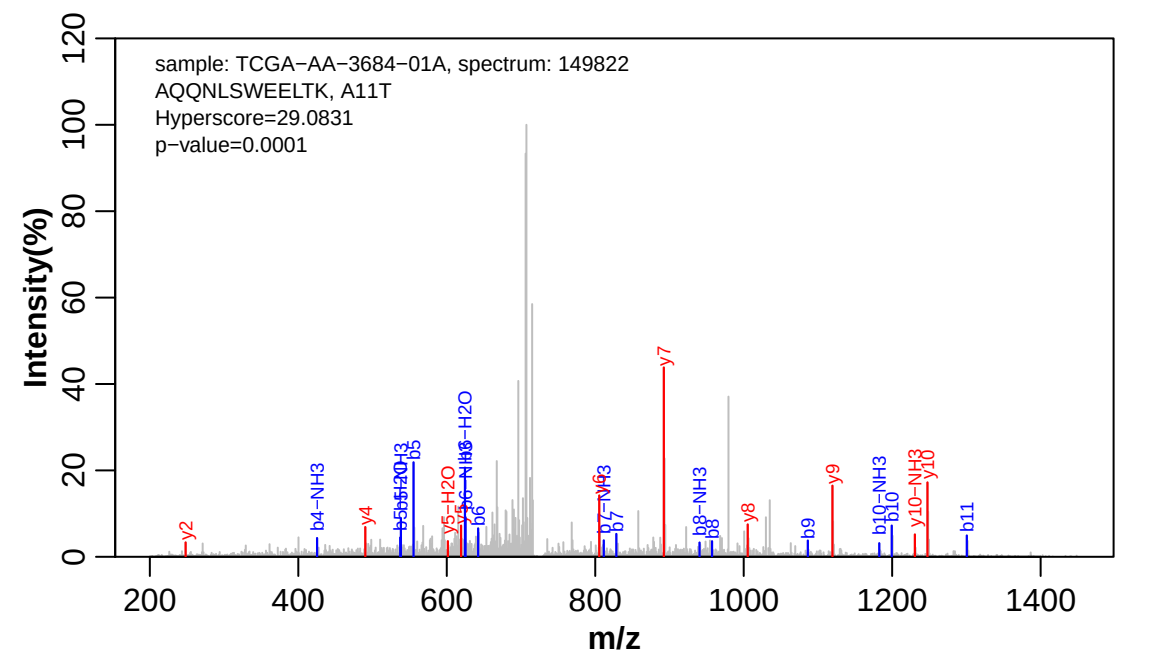

sample: TCGA−AA−3672−01A, spectrum: 62344
WLLLCNPGLANTLVEK, D11N
Hyperscore=51.3683
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3
y4
b4
y5
b5−NH3
b5
y6
b6−NH3
b6
b7−NH3
b8−NH3
y10
y11
y12
b10−NH3
y12−NH3
y13
b13−NH3
b13
b14−NH3
b14
b15

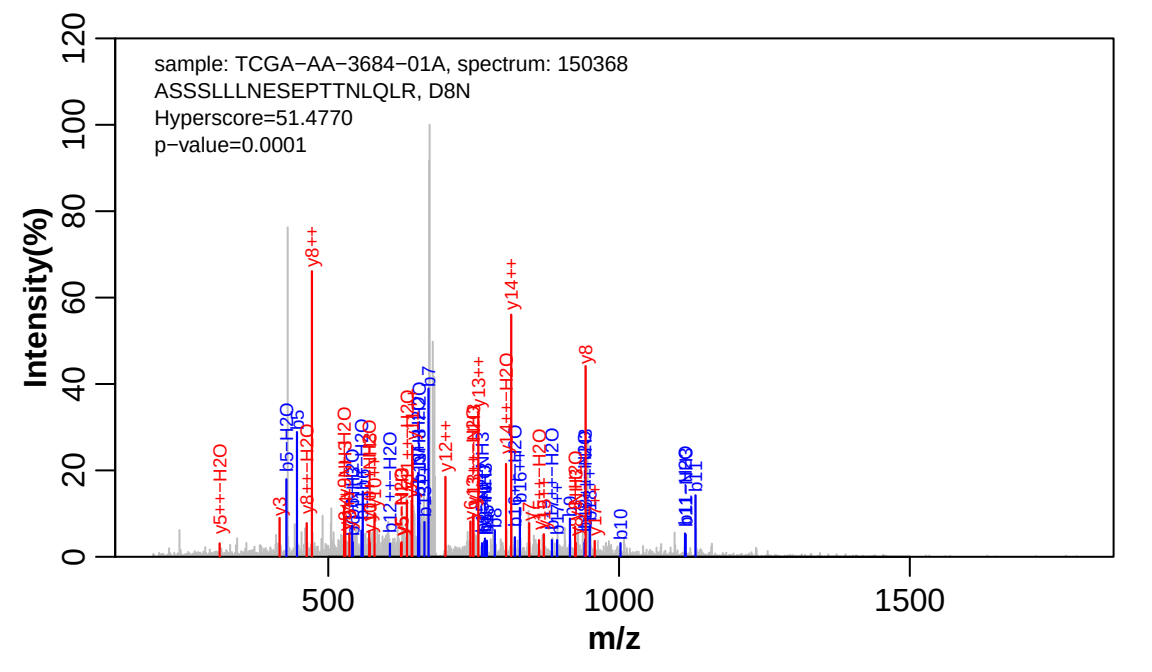

sample: TCGA−AA−3684−01A, spectrum: 59873
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=76.0242
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b20++
b25++
b26++
b27++−H2O
b27++
b28++−H2O
b8
b9
b13−H2O
b23++−H2O
b5
y4
b6
y5
b16
y12−H2O

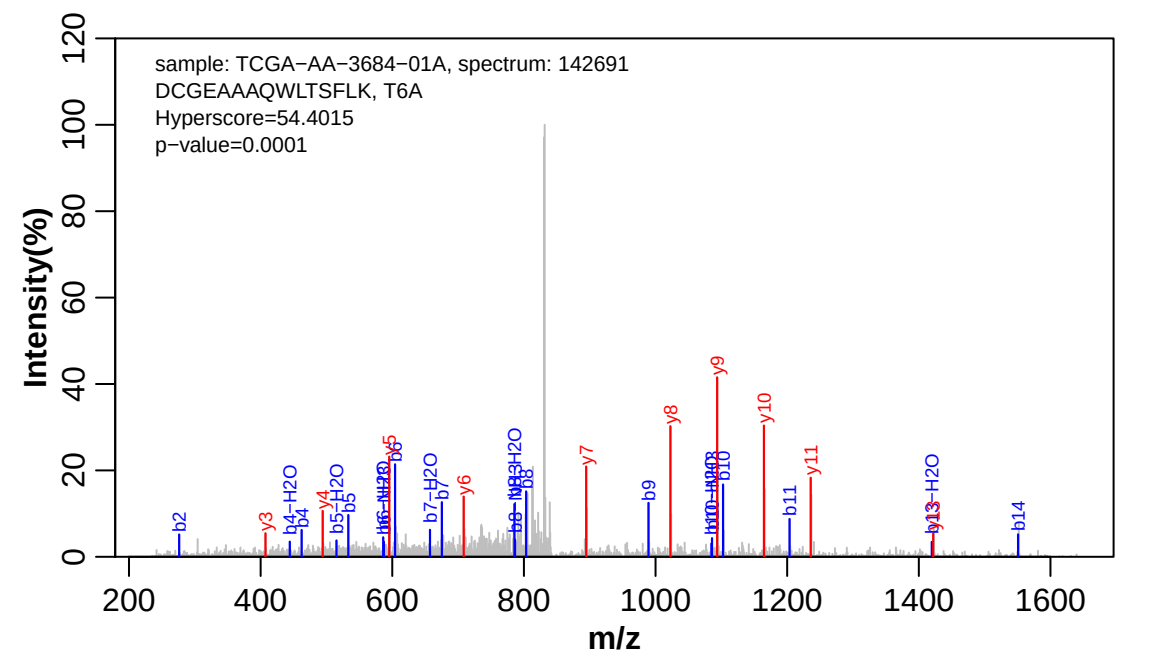

sample: TCGA−AA−3684−01A, spectrum: 38281
AAPSVTLFPPSSEELQANK_T2A
Hyperscore=44.5693
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y11++
y11++−H2O
y12++
b8
y14++
y6
y13++
b17++
y10
b5−H2O
b5
b9++
y4
b6
y12++

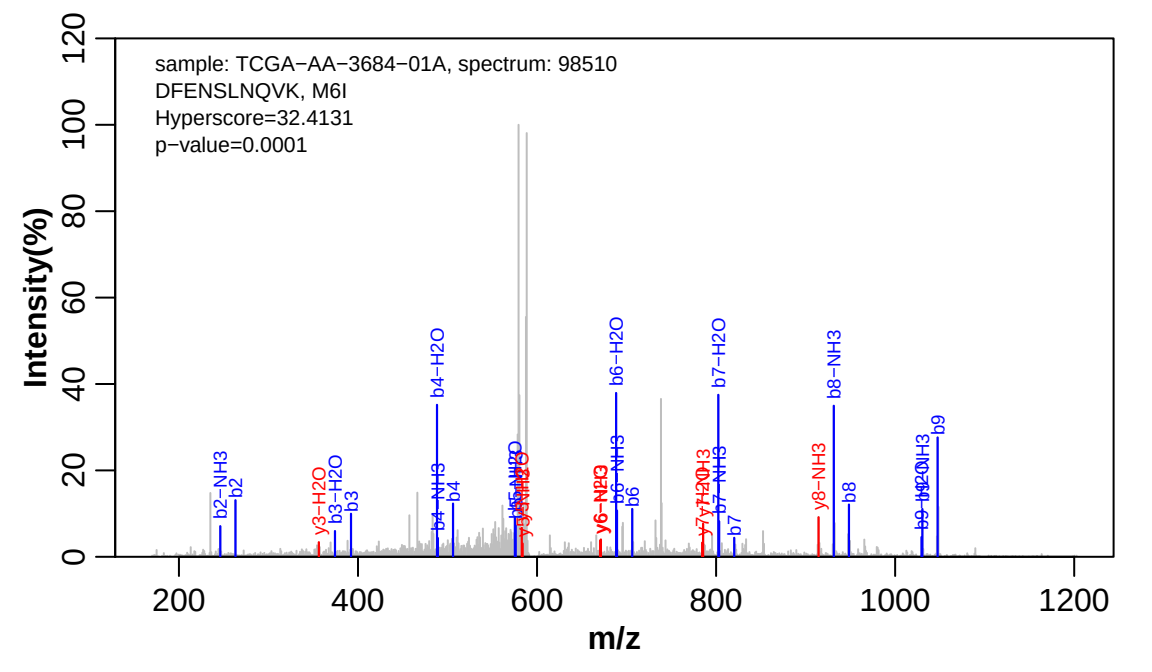

sample: TCGA−AA−3684−01A, spectrum: 8287
AEELGLPLLGLLR, V11I
Hyperscore=26.4342
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
b4
y4
b5
y5
b6
y6−H2O
y6
b8
y7
y8
b9
y9
y10
b11

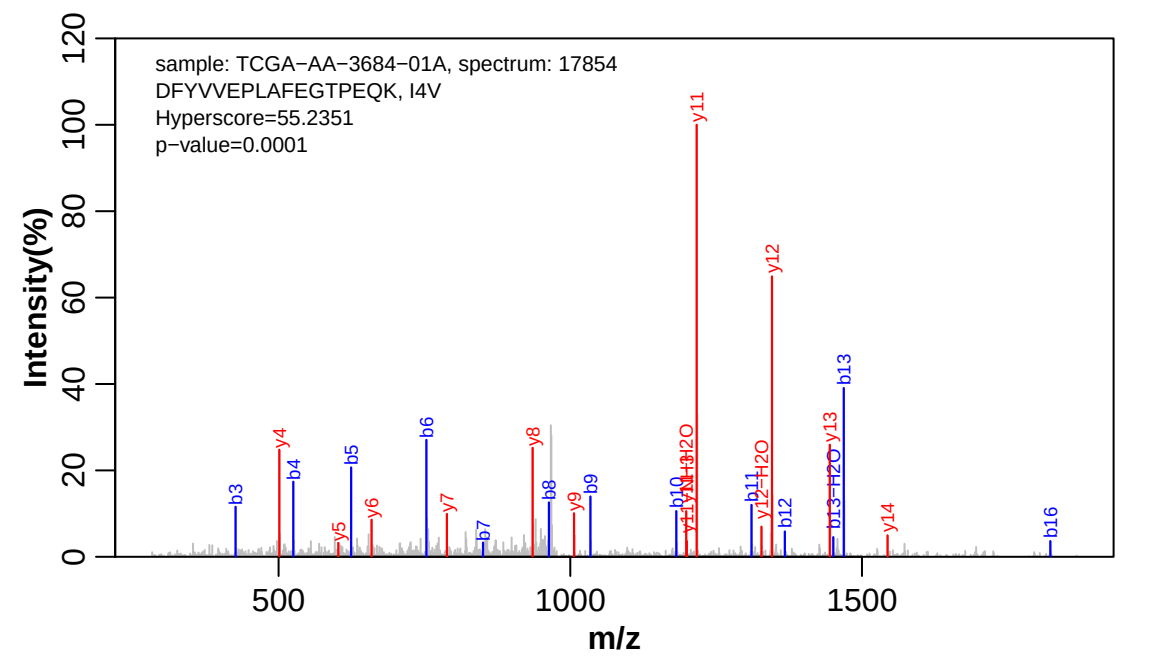

sample: TCGA−AA−3684−01A, spectrum: 10855
AGVETTTPSK, K7T
Hyperscore=25.9669
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3−H2O
b7
y7

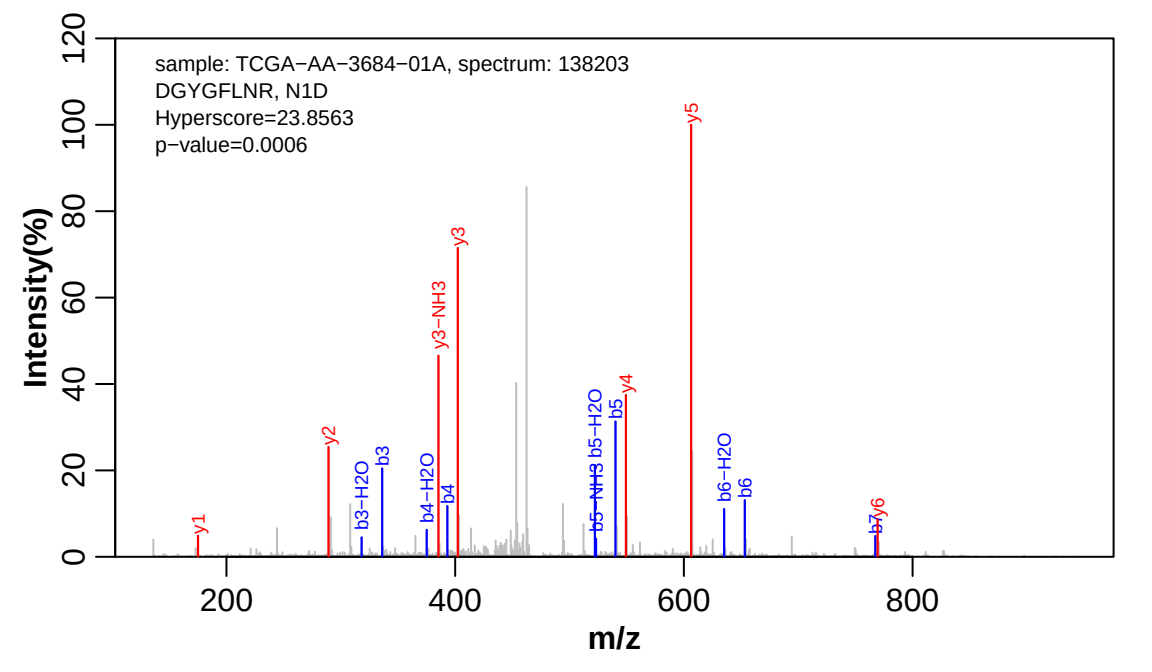

sample: TCGA−AA−3684−01A, spectrum: 149822
AQQNLSWEELTK, A11T
Hyperscore=29.0831
p−value=0.0001
Intensity(%)
m/z
y2
b4−NH3
y4
b5−H2O
b5−NH3
b5
y5−H2O
y5−NH3
b6−H2O
b6
y6
b7−NH3
b7
y7
b8−NH3
b8
y8
b9
y9
b10−NH3
b10
y10−NH3
y10
b11

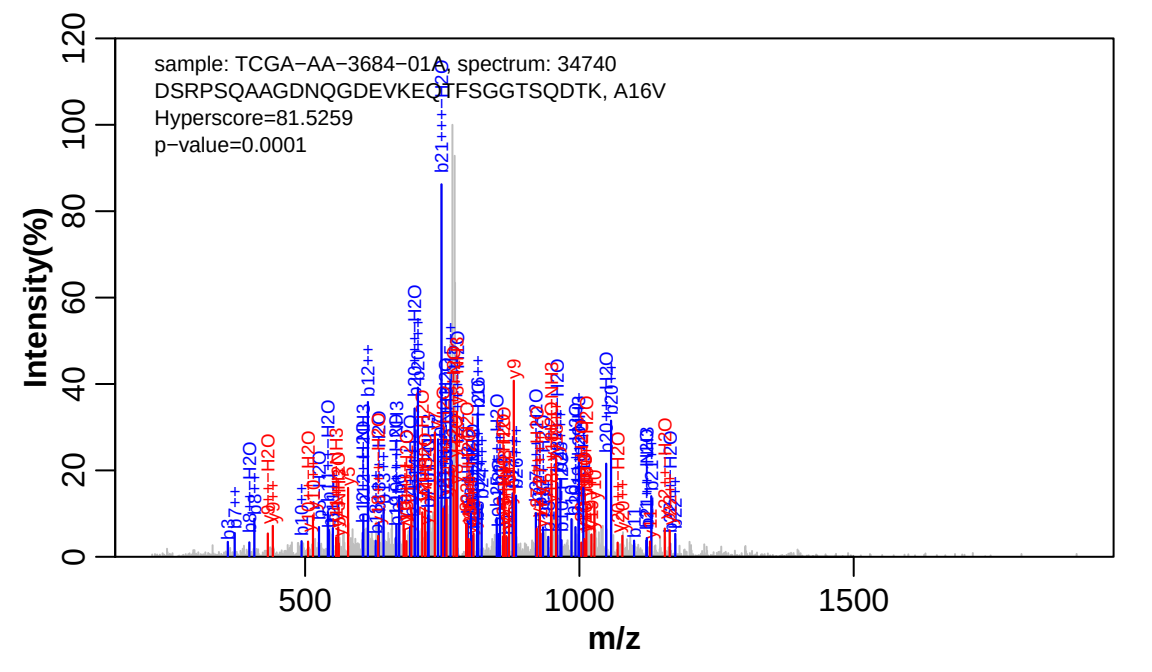

sample: TCGA−AA−3684−01A, spectrum: 150368
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=51.4770
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y5++−H2O
y3
b5−H2O
y8++−H2O
y8++
y12++
y14++
y14++−H2O
y8
b10
b11−NH3
b11

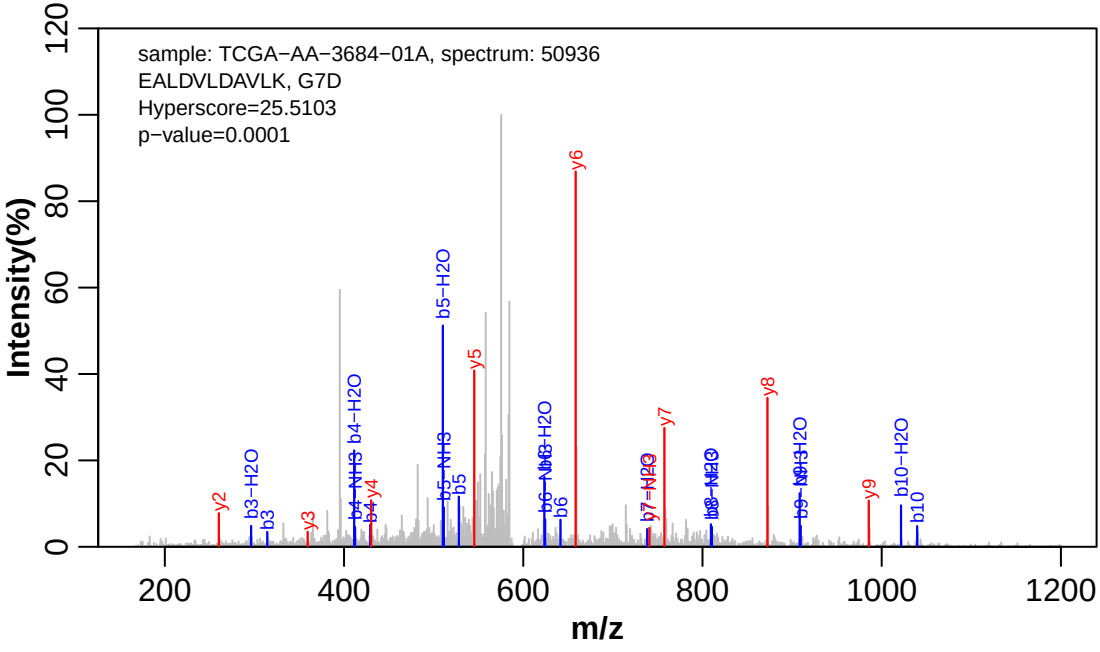

sample: TCGA−AA−3684−01A, spectrum: 142691
DCGEAAAQWLTSFLK, T6A
Hyperscore=54.4015
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
b4−H2O
b4
y4
b5−H2O
b5
b7−H2O
b7
y6
y5
b6
b8−H2O
b8
y7
b9
y8
y9
b10
y10
b11
y11
b13−H2O
b13
b14

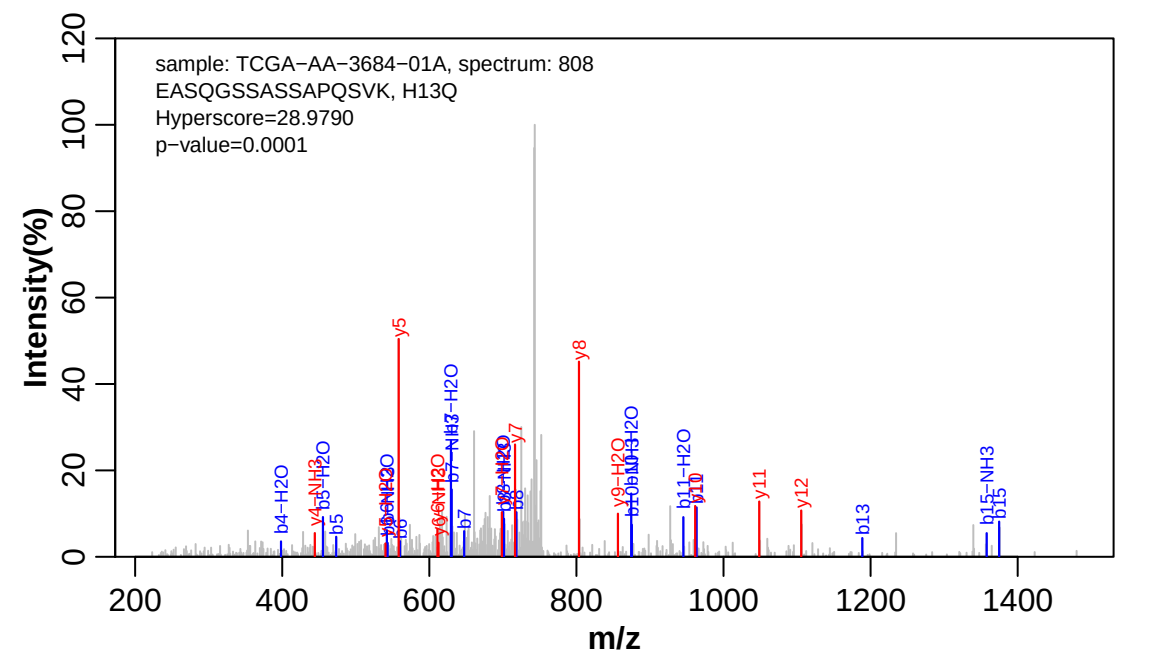

sample: TCGA−AA−3684−01A, spectrum: 98510
DFENSLNQVK, M6I
Hyperscore=32.4131
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−NH3
b2
y3−H2O
b3−H2O
b3
b4−H2O
b4−NH3
b4
b6−H2O
b6−NH3
b6
y6−NH3
b7−H2O
b7−NH3
b7
y8−NH3
b8−NH3
b8
b9
b9−NH3

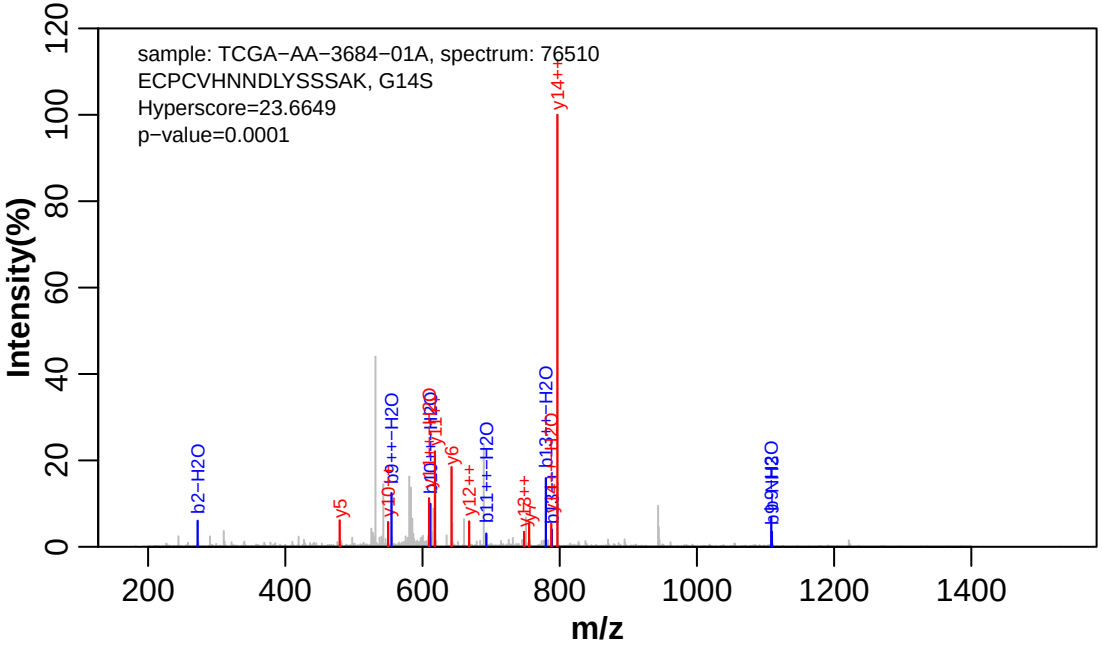

sample: TCGA−AA−3684−01A, spectrum: 17854
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=55.2351
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
y5
y6
b6
y7
b7
y8
b8
y9
b9
b10
y11−H3N
y11−H2O
y11
b11
y12−H2O
y12
b12
b13
b13−H2O
y13
y14
b16

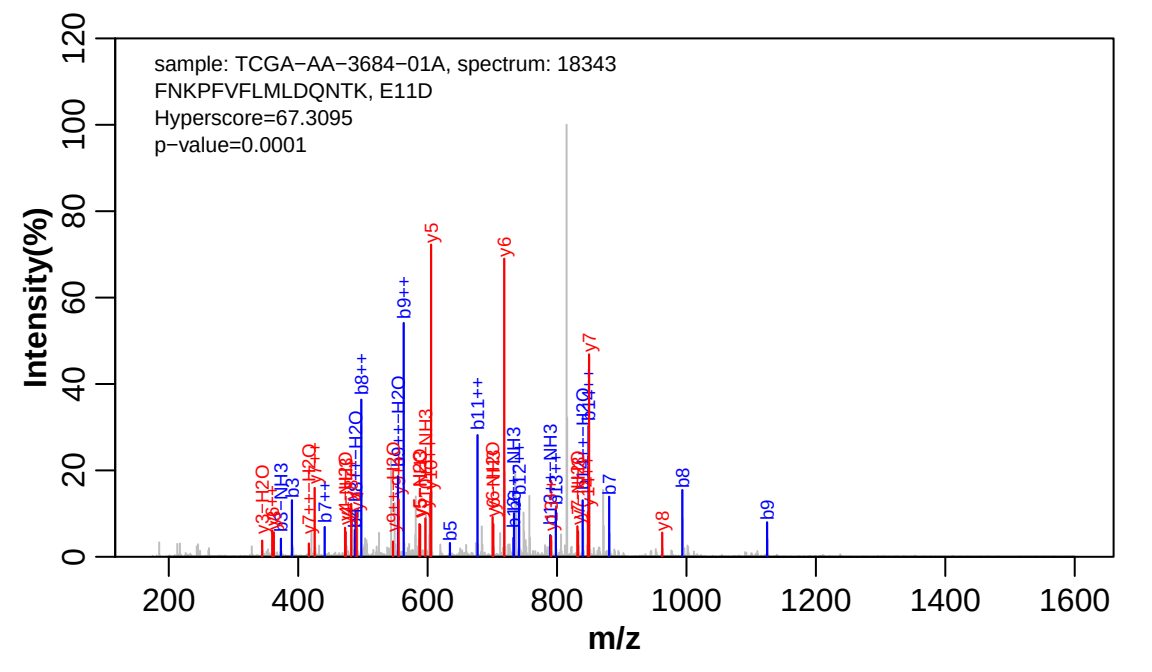

sample: TCGA−AA−3684−01A, spectrum: 138203
DGYGFLNR, N1D
Hyperscore=23.8563
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

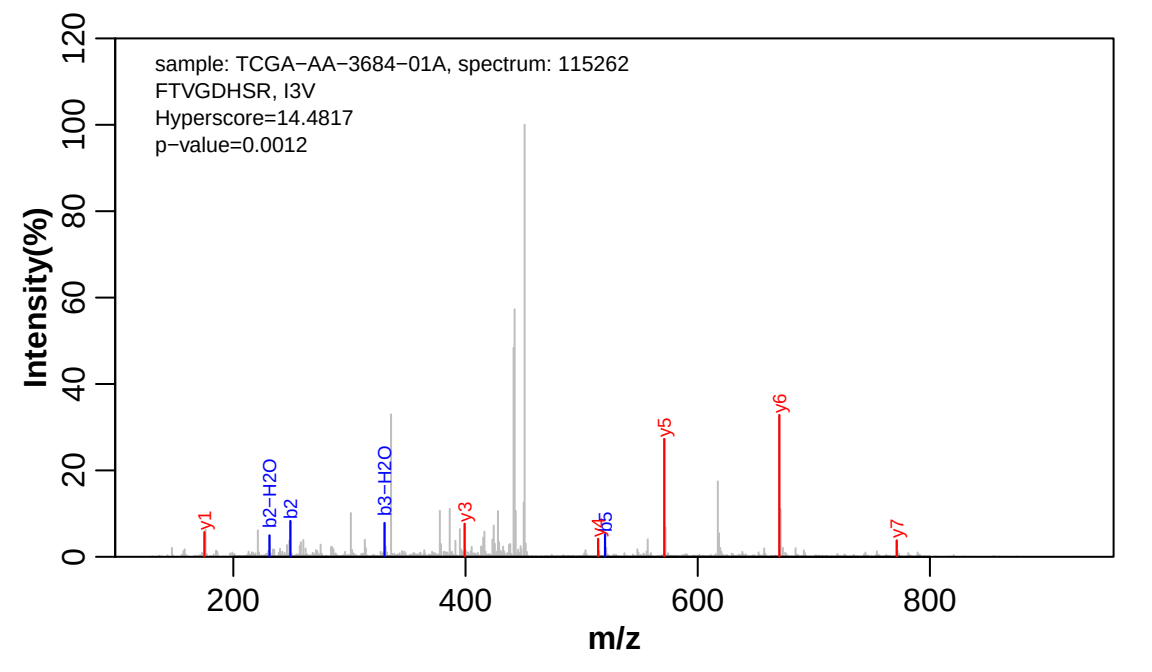

sample: TCGA−AA−3684−01A, spectrum: 34740
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=81.5259
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

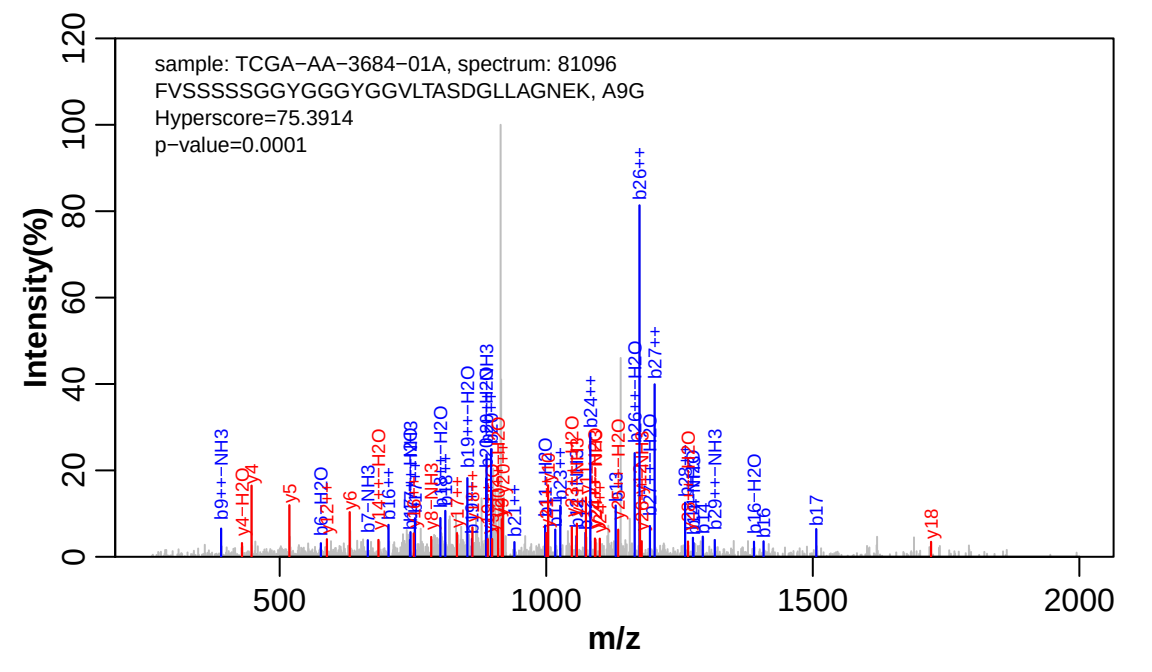

sample: TCGA−AA−3684−01A, spectrum: 50936
EALDVLDAVLK, G7D
Hyperscore=25.5103
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
b3
y3
b4−NH3
b4−H2O
b4
y4
b5−H2O
b5−NH3
b5
y5
b6−NH3
b6−H2O
b6
y6
b7−H2O
y7
b8−H2O
y8
b9−NH3
b9−H2O
y9
b10−H2O
b10

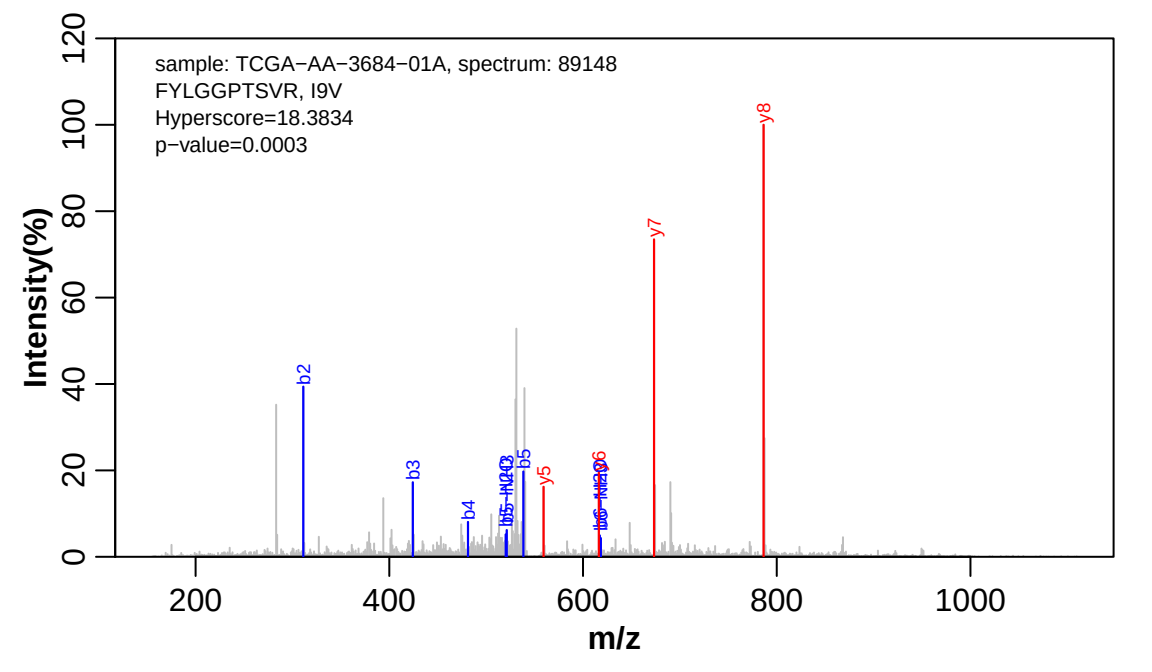

sample: TCGA−AA−3684−01A, spectrum: 808
EASQGSSASSAPQSVK, H13Q
Hyperscore=28.9790
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4−H2O
y4−NH3
b5−H2O
b5
y5
y8
y9−H2O
b11−H2O
y11
y12
b13
b15−NH3
b15

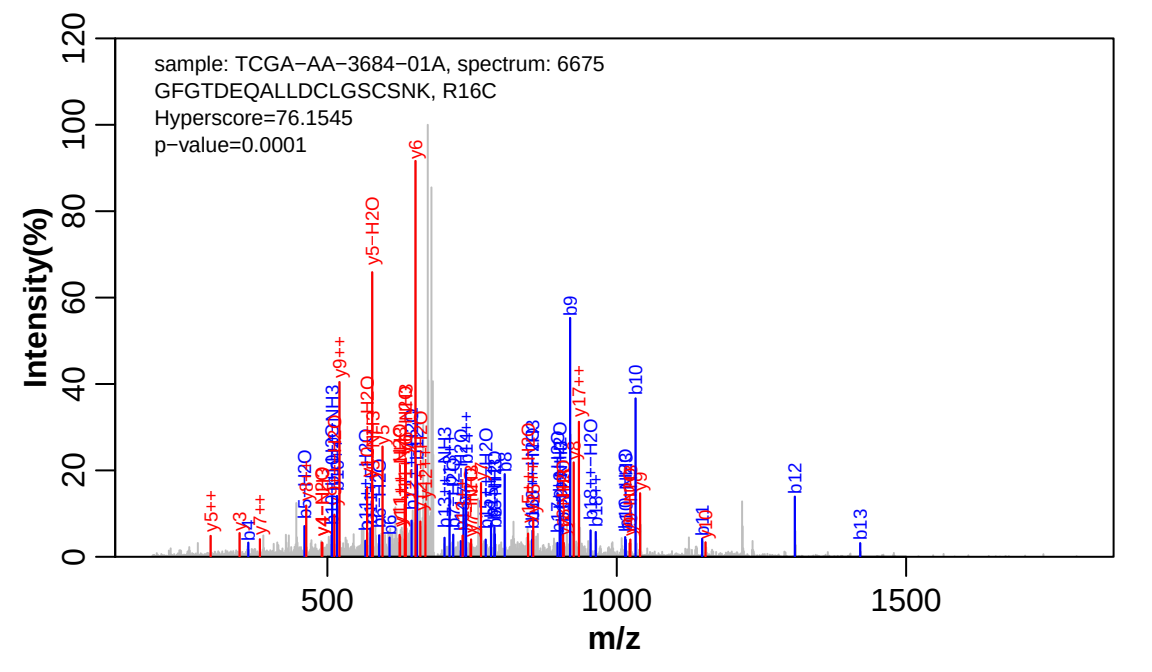

sample: TCGA−AA−3684−01A, spectrum: 76510
ECPCVHNNDLYSSSAK, G14S
Hyperscore=23.6649
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
y5
y10++
b9++−H2O
b10++
y11++−H2O
y6
y12++
b11++−H2O
y13++
y14++
b9−NH3

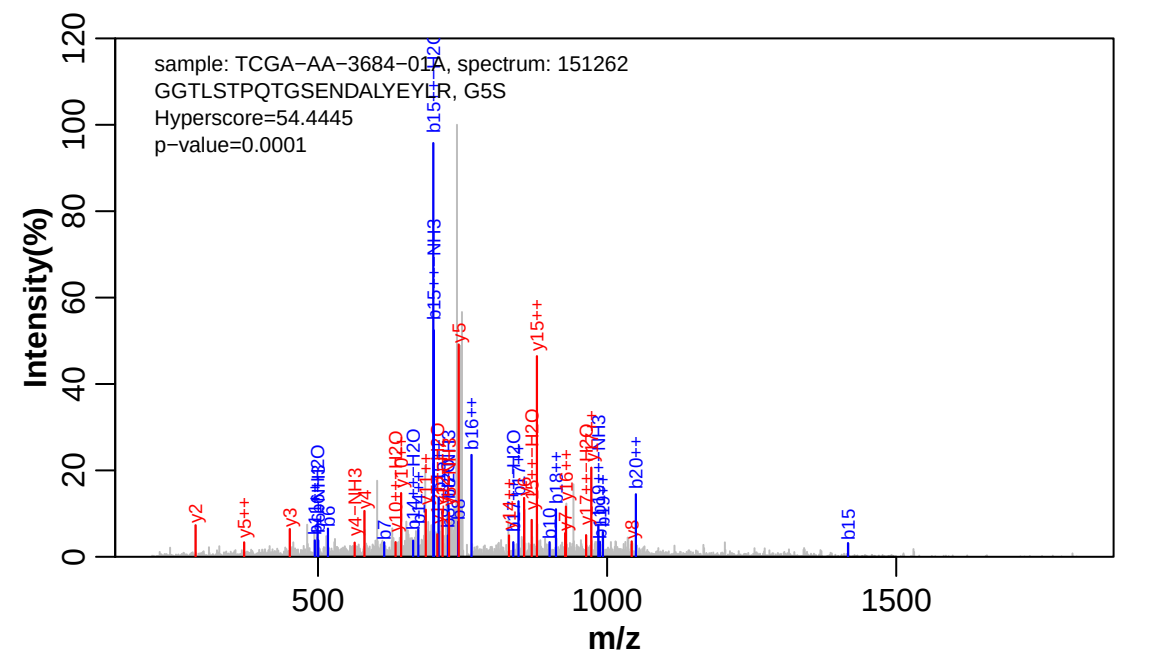

sample: TCGA−AA−3684−01A, spectrum: 18343
FNKPFVFLMLDQNTK, E11D
Hyperscore=67.3095
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
y8
b5
b7
b8
b9
b9++
b8++
b11++
b12-NH3
y6-NH3
y7-H2O
y7-NH3
b11++-H2O
b11++-NH3
y6++-H2O
y6++-NH3
y7++-H2O
y7++-NH3
b3-NH3
b8++-H2O
b8++-NH3
y3-H2O
y3-NH3
b3
b7++

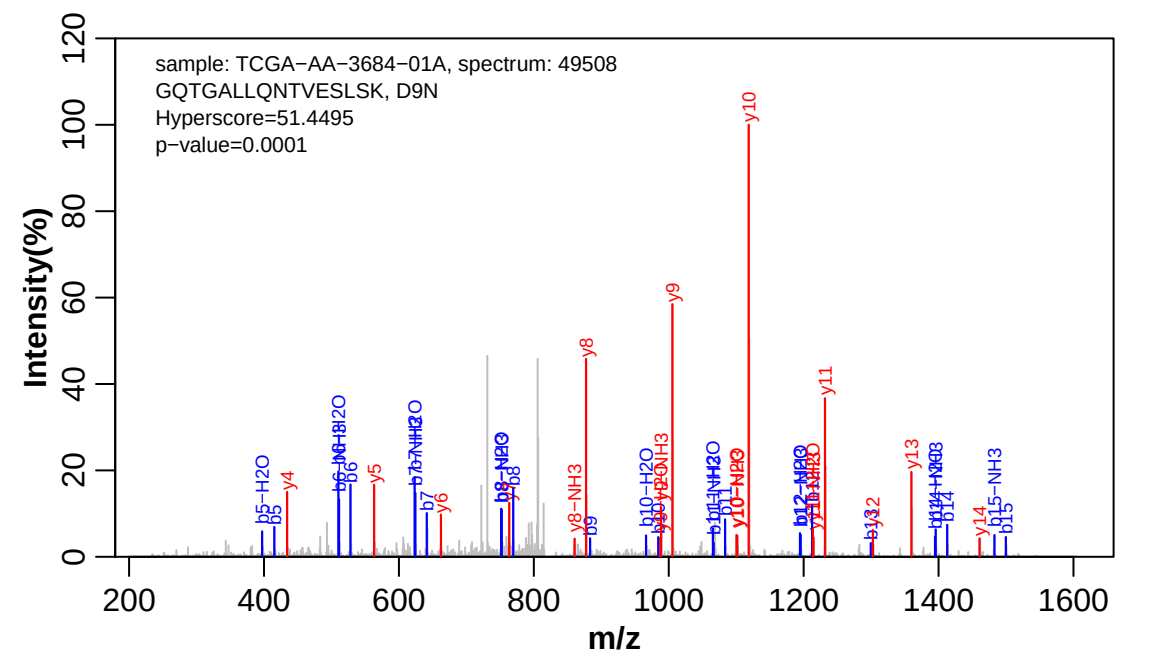

sample: TCGA−AA−3684−01A, spectrum: 115262
FTVGDHSR, I3V
Hyperscore=14.4817
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
b3−H2O
y3
y4
b5
y5
y6
y7

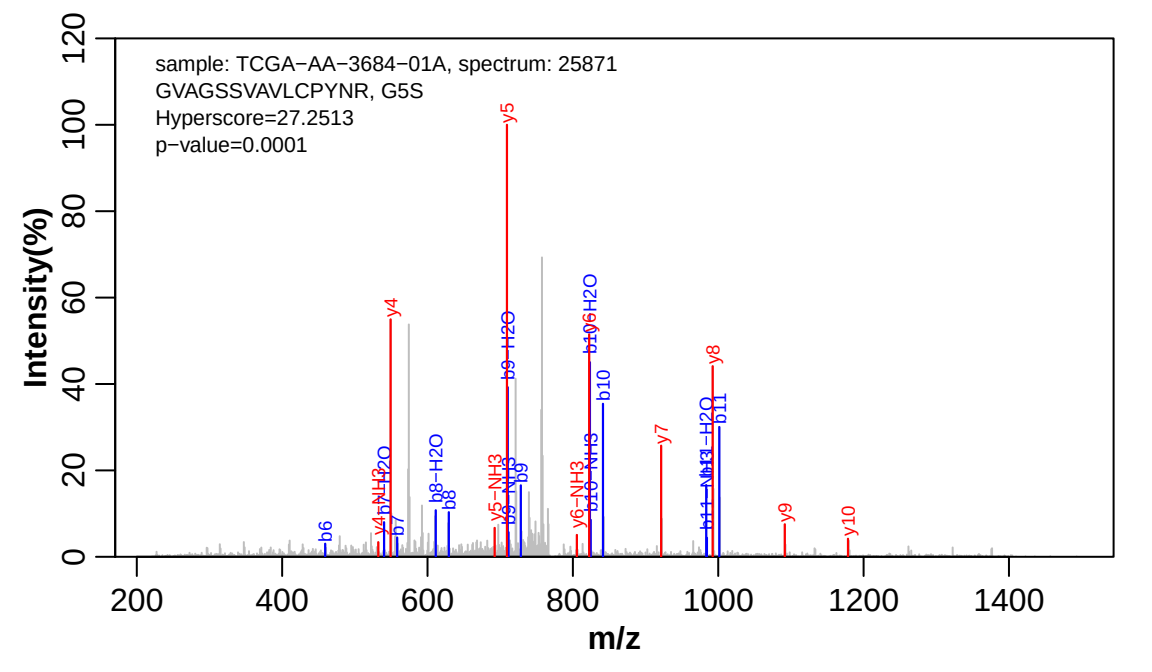

sample: TCGA−AA−3684−01A, spectrum: 81096
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=75.3914
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b26++
b27++
b9++−NH3
y4
y4−H2O
y5
b9−H2O
y6
b7−NH3
b7−H2O
b16++
b8−NH3
b8++
b18++
b8++−H2O
y7++
b19++−H2O
b19++−NH3
b21++
b11++−H2O
b24++
b26++−H2O
y24++
y28++−H2O
b29++−NH3
b16−H2O
b16
b17
y18

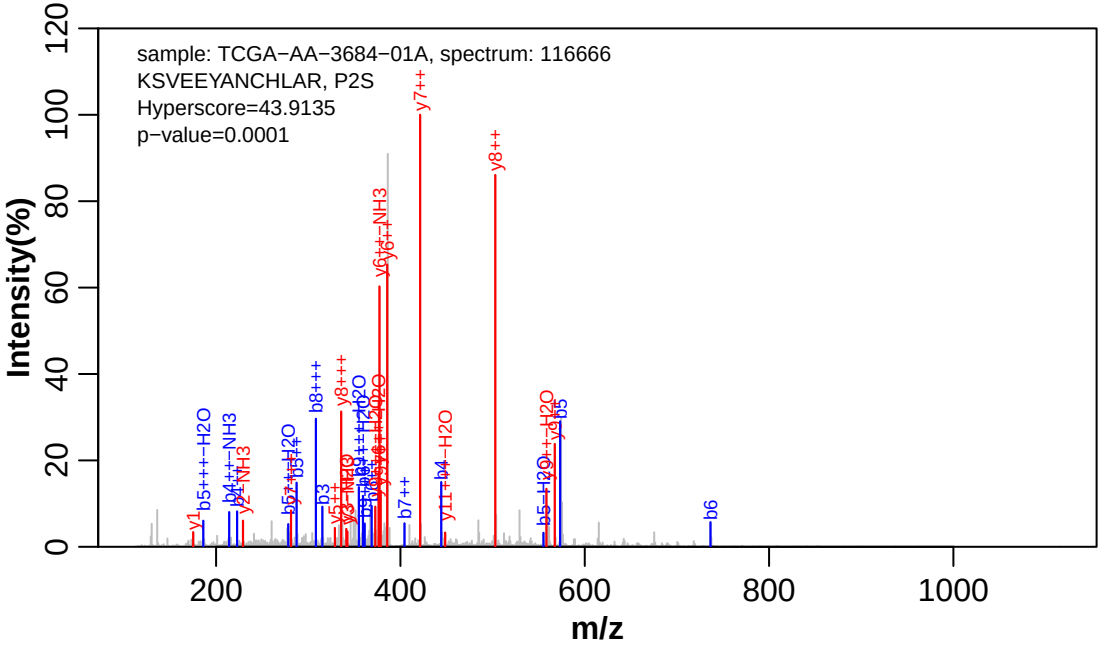

sample: TCGA−AA−3684−01A, spectrum: 89148
FYLGGPTSVR, I9V
Hyperscore=18.3834
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
b4
b5
y5
y7
y8

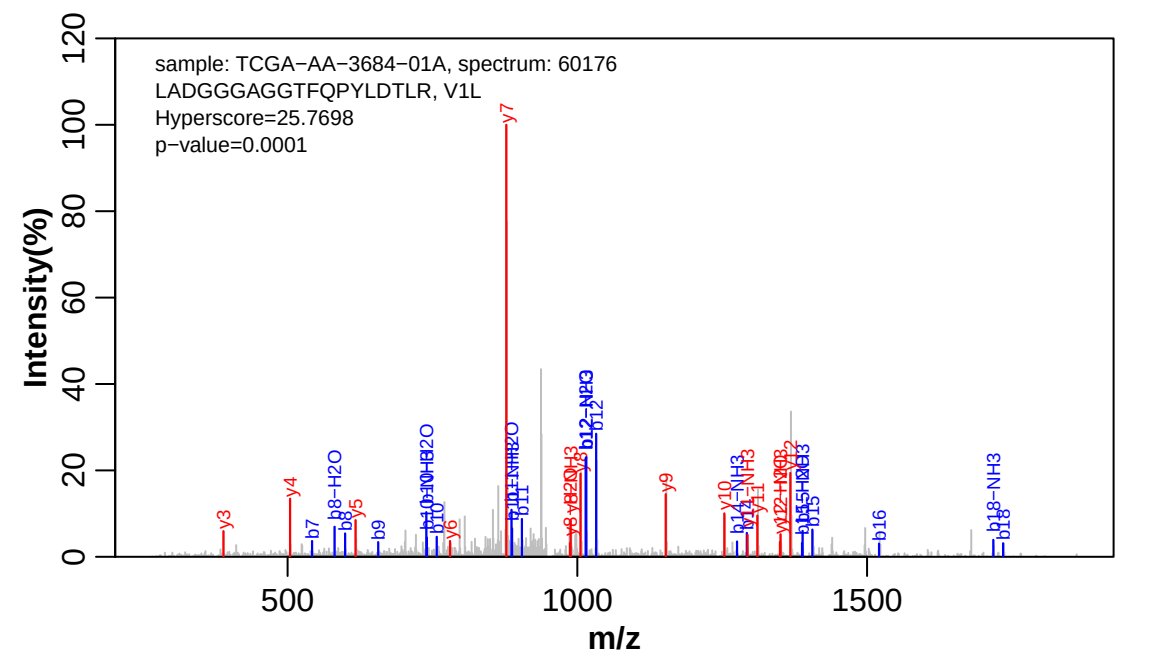

sample: TCGA−AA−3684−01A, spectrum: 6675
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=76.1545
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y6
y5−H2O
y9++
y5++
y7++
b9
b10
y17++
b12
b13
y11

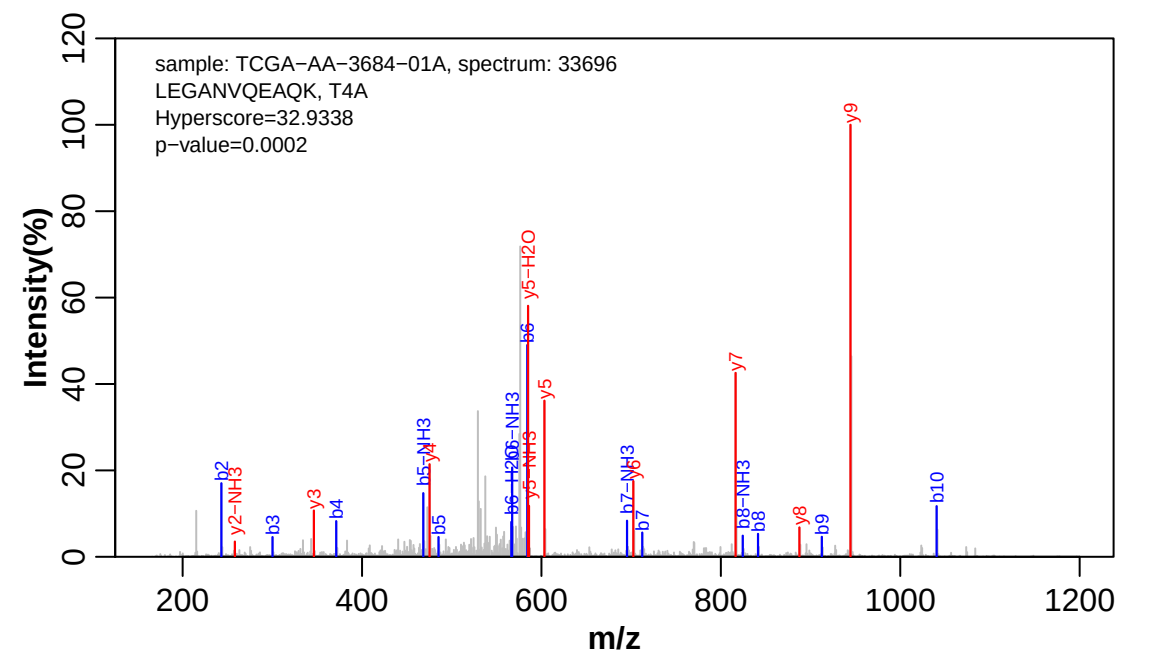

sample: TCGA−AA−3684−01A, spectrum: 151262
GGTLSTPQTGSENDALYEYLR, G5S
Hyperscore=54.4445
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b15
y2
y5++
y3
y4−NH3
b7
b16++
y5
y15++
b20++
y8

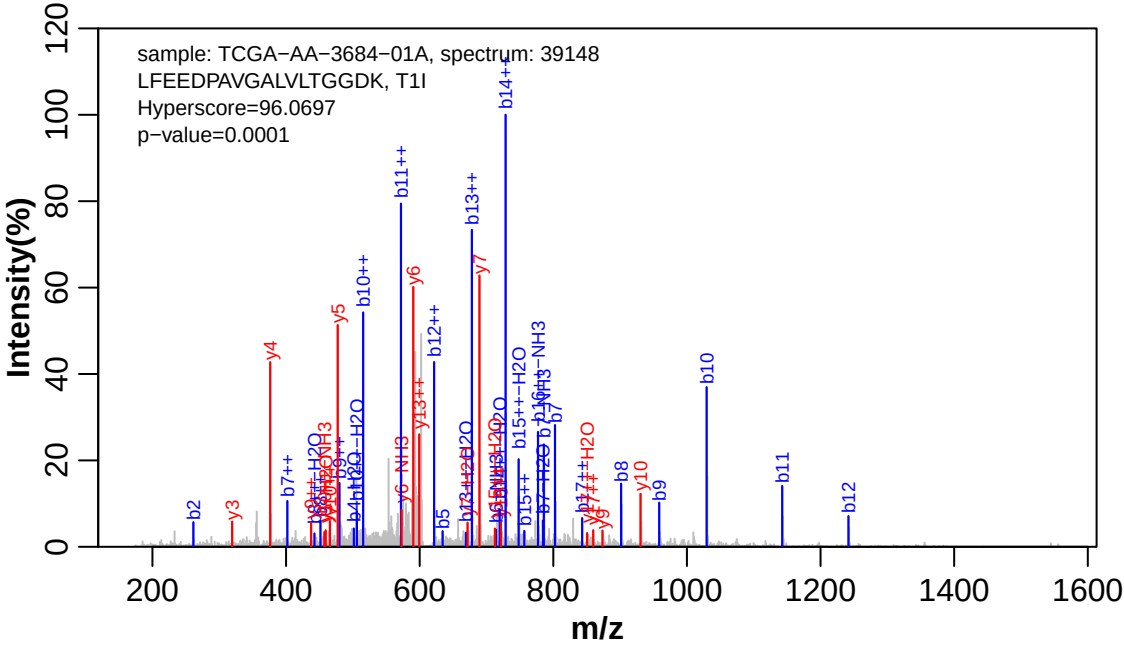

sample: TCGA−AA−3684−01A, spectrum: 49508
GQTGALLQNTVESLSK, D9N
Hyperscore=51.4495
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y4
y5
y6
b5−H2O
b5
b6
b7
b8
b9
b10−H2O
b10
b11
b12
b13
y14
b15−NH3
b15
y8−NH3

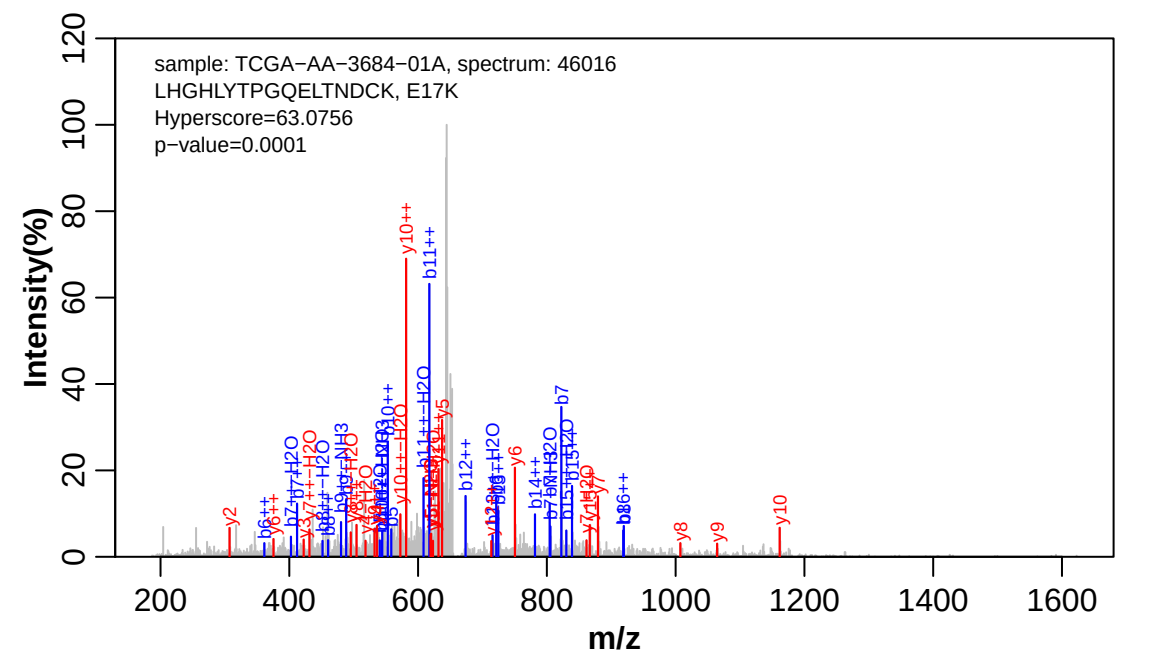

sample: TCGA−AA−3684−01A, spectrum: 25871
GVAGSSVAVLCPYNR, G5S
Hyperscore=27.2513
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
y8
b10
y7
b11
y9
y10
b8−H2O
b8
b6
y5−NH3
y6−NH3
b10−NH3
b11−NH3
b11−H2O
y4−NH3
y4−H2O
b7

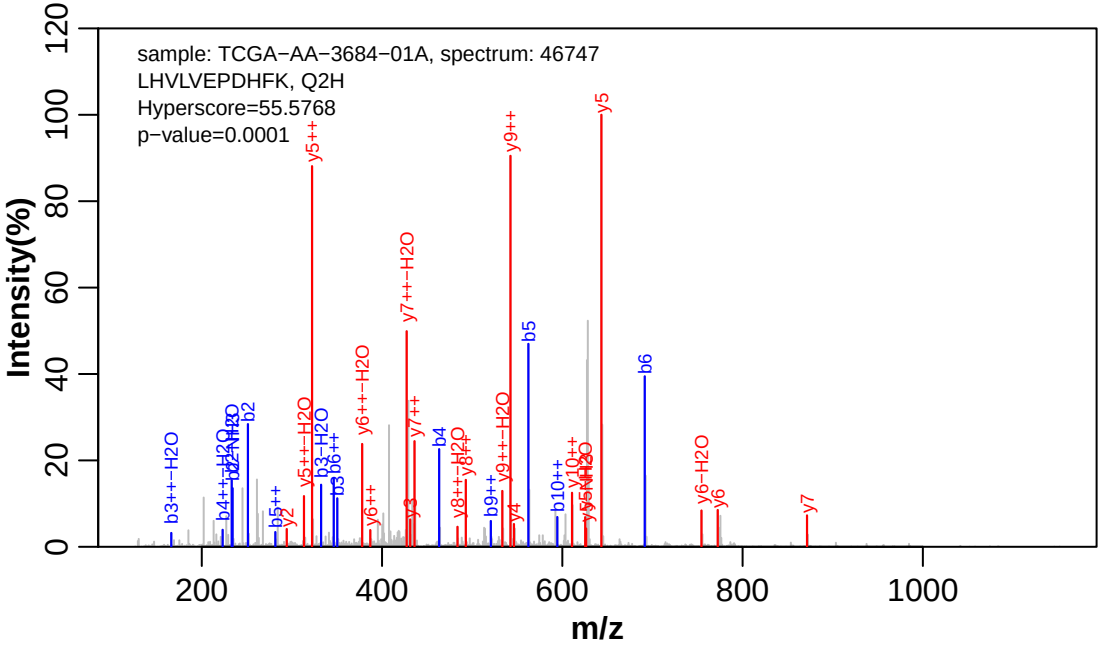

sample: TCGA−AA−3684−01A, spectrum: 116666
KSVEEYANCHLAR, P2S
Hyperscore=43.9135
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y7++
y8++
y6++−NH3
b8+++
b5+++−H2O
b4++−NH3
y2−NH3
y1
b7++
y11++
b4−H2O
b6

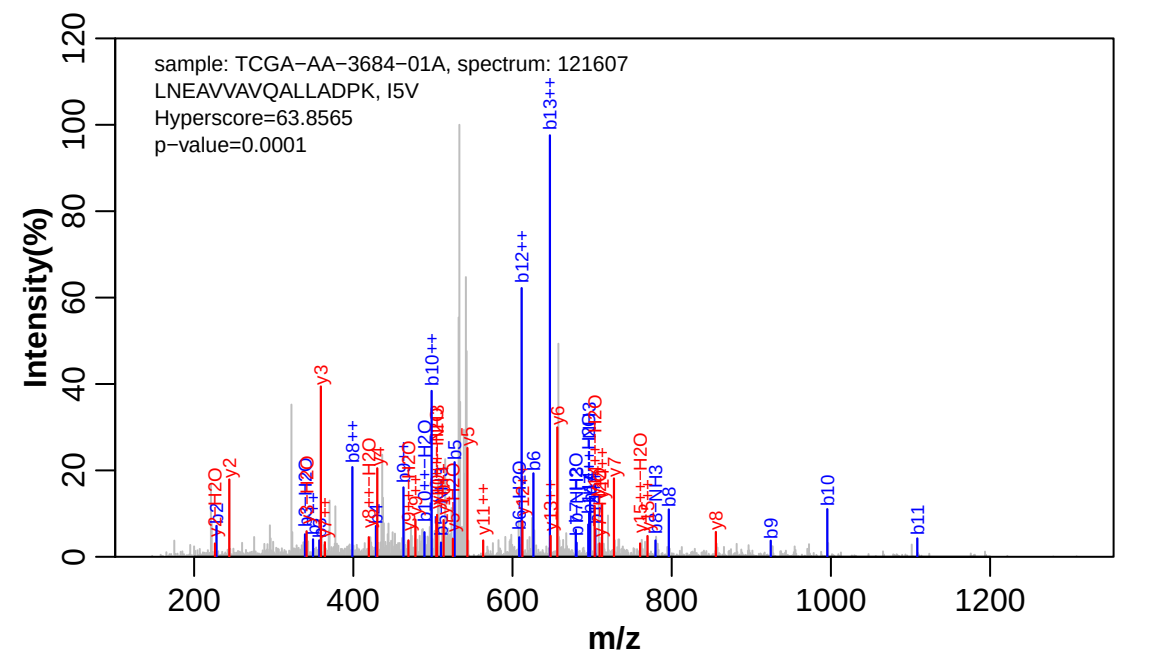

sample: TCGA−AA−3684−01A, spectrum: 60176
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=25.7698
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
b7
b8−H2O
b8
y5
b9
b10−H2O
b10−NH3
b10
y6
b11−H2O
b11−NH3
b11
y7
y8−H2O
y8−NH3
y8
b12−H2O
b12−NH3
b12
y9
y10
b14−NH3
b14
y11
y12−H2O
y12−NH3
y12
b15−H2O
b15−NH3
b15
b16
b18−NH3
b18

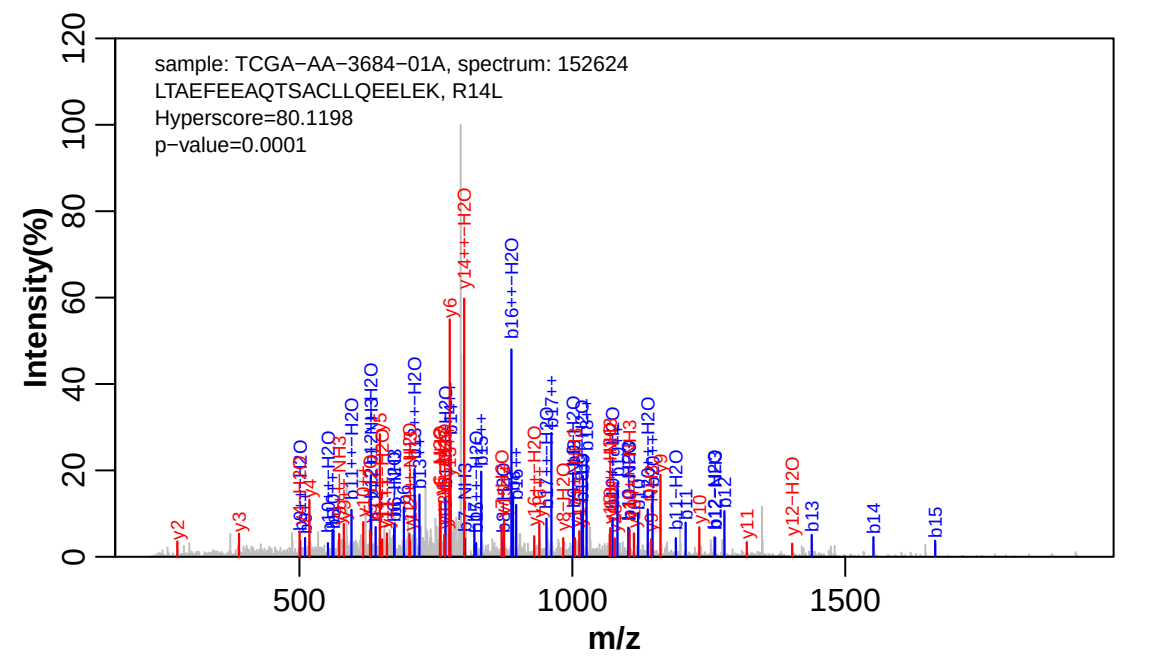

sample: TCGA−AA−3684−01A, spectrum: 33696
LEGANVQEAQK, T4A
Hyperscore=32.9338
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−NH3
b3
y3
b4
b5−NH3
y4
b5
b6−H2O
b6−NH3
y5−NH3
b6
y5−H2O
y5
b7−NH3
y6
b7
y7
b8−NH3
b8
y8
b9
y9
b10

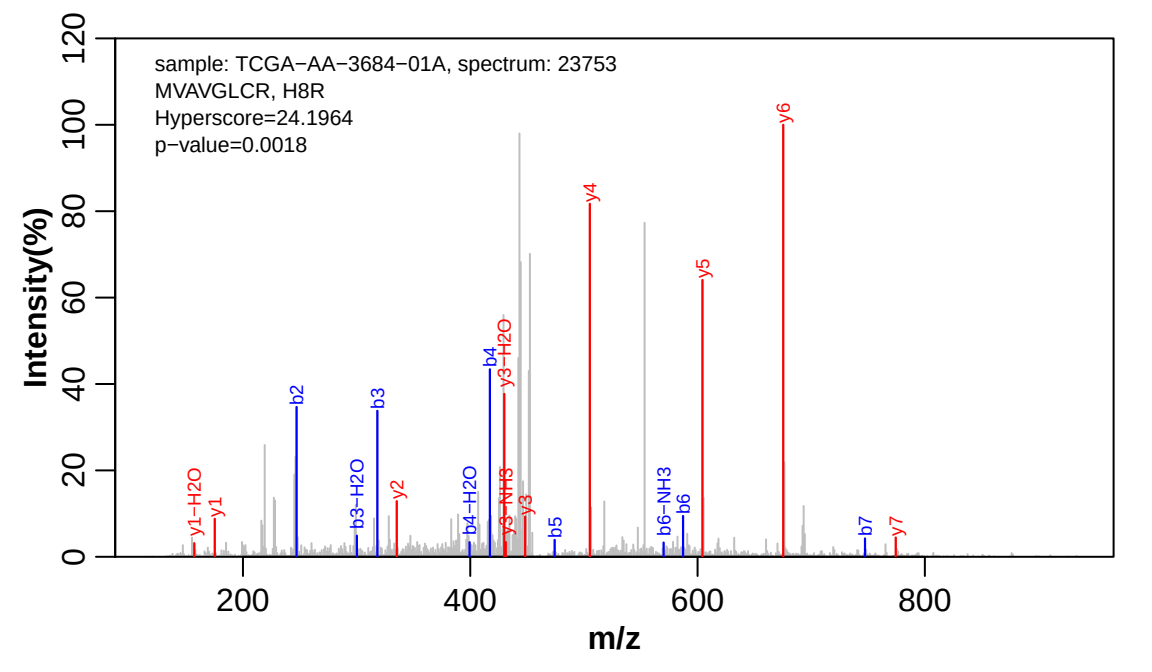

sample: TCGA−AA−3684−01A, spectrum: 39148
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=96.0697
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y4
b7++
y5
b10++
b4++−H2O
y6
y6−NH3
b11++
y13+++
b5
b12++
b13++
y7
b14++
b15++−H2O
b15++
b16++−NH3
b7
b7−H2O
b10
b11
b12
b8
y10
b9

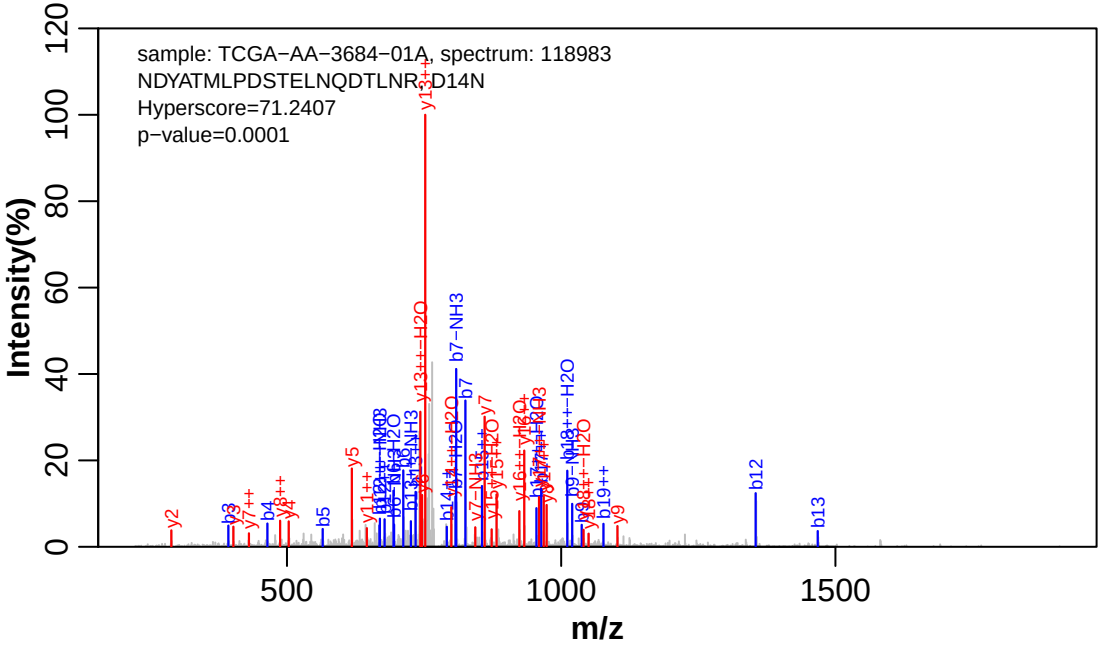

sample: TCGA−AA−3684−01A, spectrum: 46016
LHGHLYTPGQELTNDCK, E17K
Hyperscore=63.0756
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b6++
y6++
b7++−H2O
y7++−H2O
y10++
b11++
b11++−H2O
y10++−H2O
y5
b12++
y6
b14++
b7
y8
y9
y10

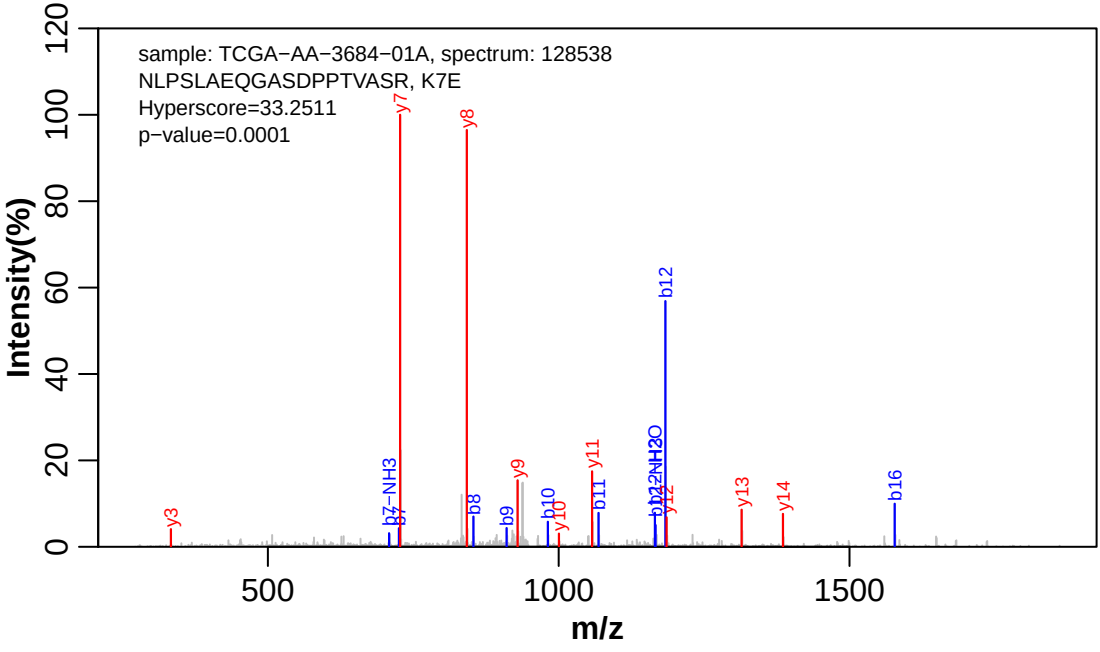

sample: TCGA−AA−3684−01A, spectrum: 46747
LHVLVEPDHFK, Q2H
Hyperscore=55.5768
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3++−H2O
b4++−H2O
b2
y5++
y5++−H2O
b3−H2O
b3
b6++
y6++−H2O
y6++
y7++−H2O
y7++
y3
b4
y8++−H2O
y8++
b9++
y9++−H2O
y9++
y4
b5
b10++
y10++
y5
b6
y6−H2O
y6
y7

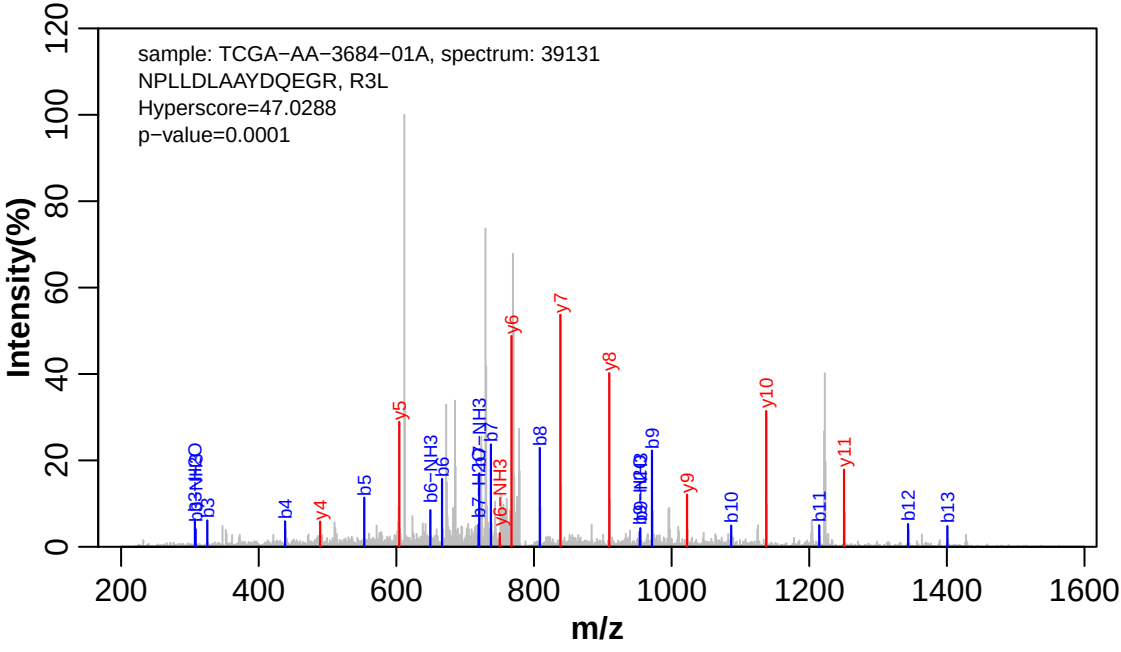

sample: TCGA−AA−3684−01A, spectrum: 121607
LNEAVVAVQALLADPK, I5V
Hyperscore=63.8565
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b13++
b12++
b10++
b8++
y3
y2
y6
y5
y11++
b6
b10
b9
b11
y8
b8
y7

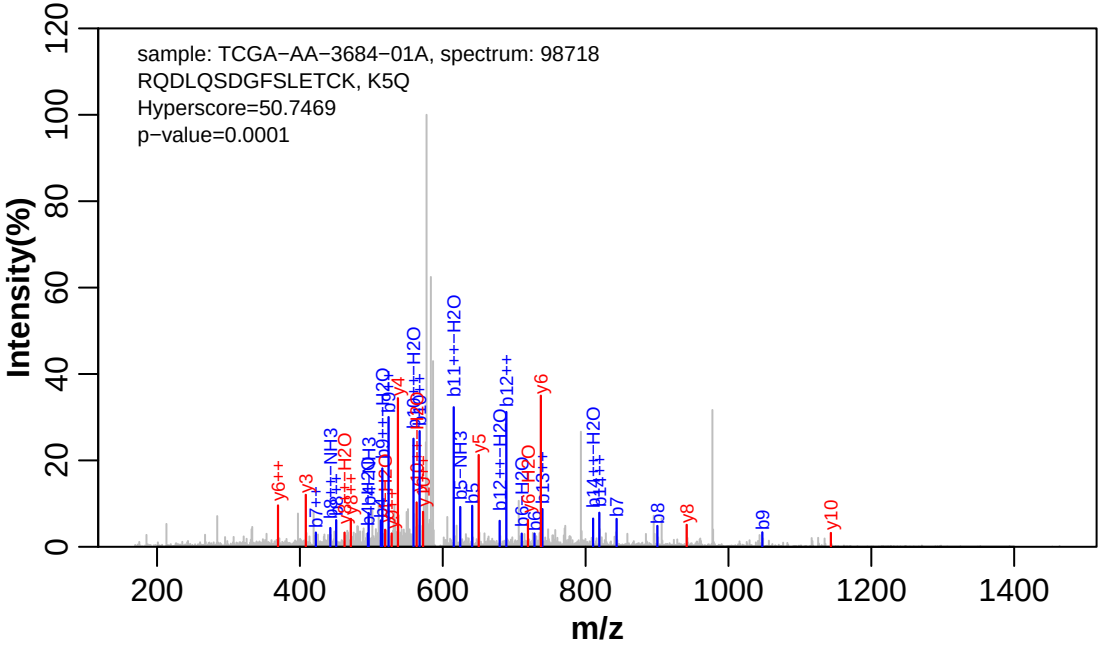

sample: TCGA−AA−3684−01A, spectrum: 152624
LTAEFEEAQTSACLLQEELEK, R14L
Hyperscore=80.1198
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y3
y4
y6
y14++−H2O
b16++−H2O
y12−H2O
b13
b14
b15
y11

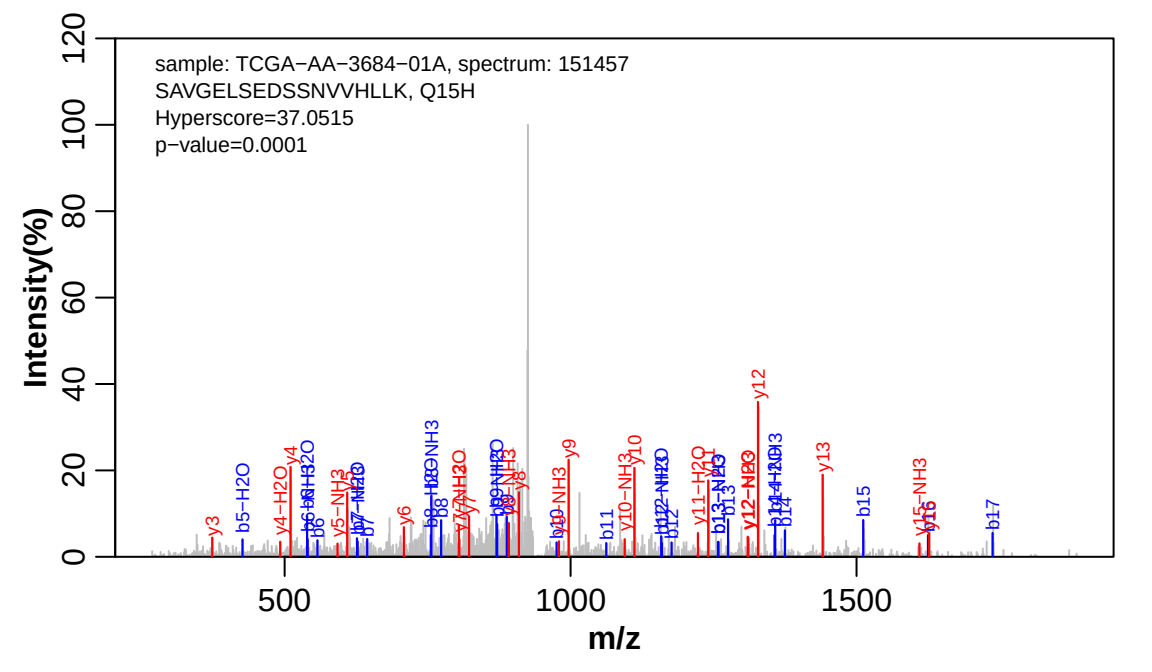

sample: TCGA−AA−3684−01A, spectrum: 23753
MVAVGLCR, H8R
Hyperscore=24.1964
p−value=0.0018
Intensity(%)
m/z
y1−H2O
y1
b2
b3−H2O
b3
y2
b4−H2O
b4
y3−NH3
y3−H2O
y3
b5
y4
b6−NH3
b6
y5
y6
b7
y7

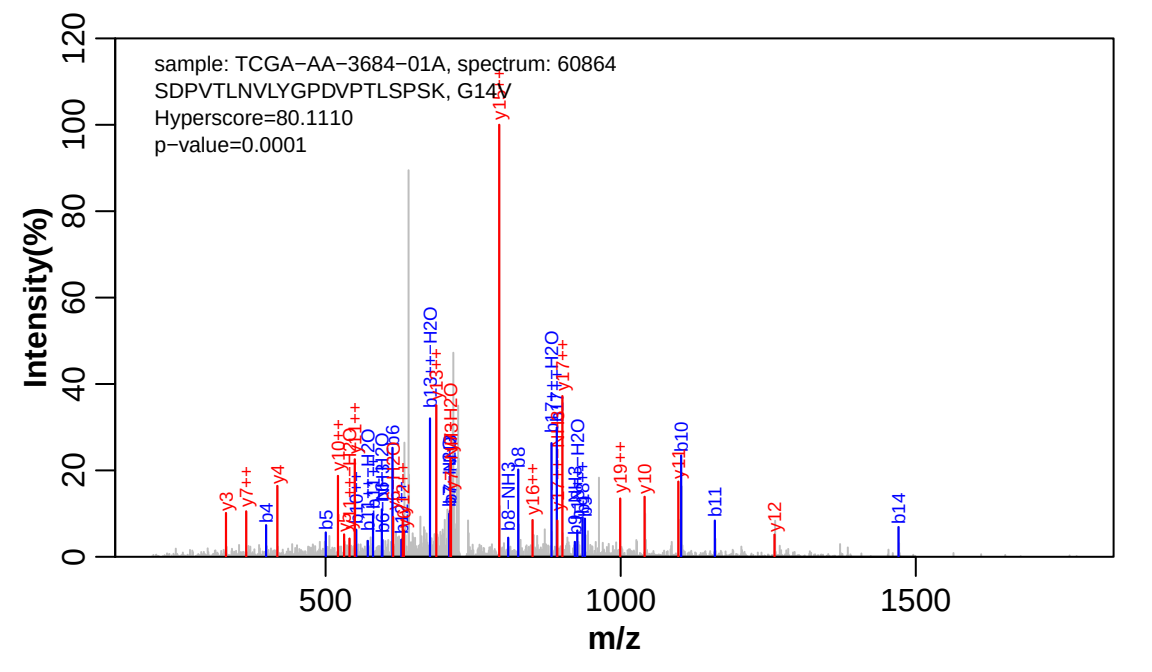

sample: TCGA−AA−3684−01A, spectrum: 118983
NDYATMLPDSTELNQDTLNR_D14N
Hyperscore=71.2407
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y13++
b7−NH3
y13++−H2O
b7
y5
b12
b13
y2
b3
y7++
b4
y8++
b5
y9
b19++

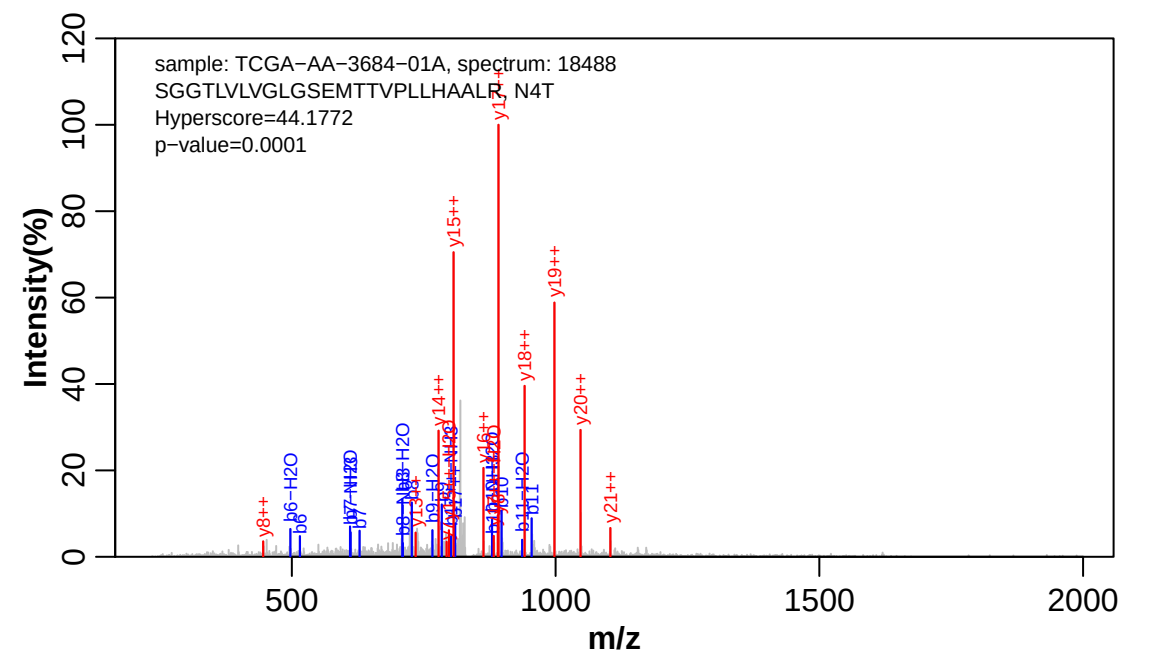

sample: TCGA−AA−3684−01A, spectrum: 128538
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=33.2511
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b7−NH3
b7
y7
b8
y8
b9
y9
b10
y10
y11
b11
b12
b12−NH3
b12−H2O
y12
y13
y14
b16

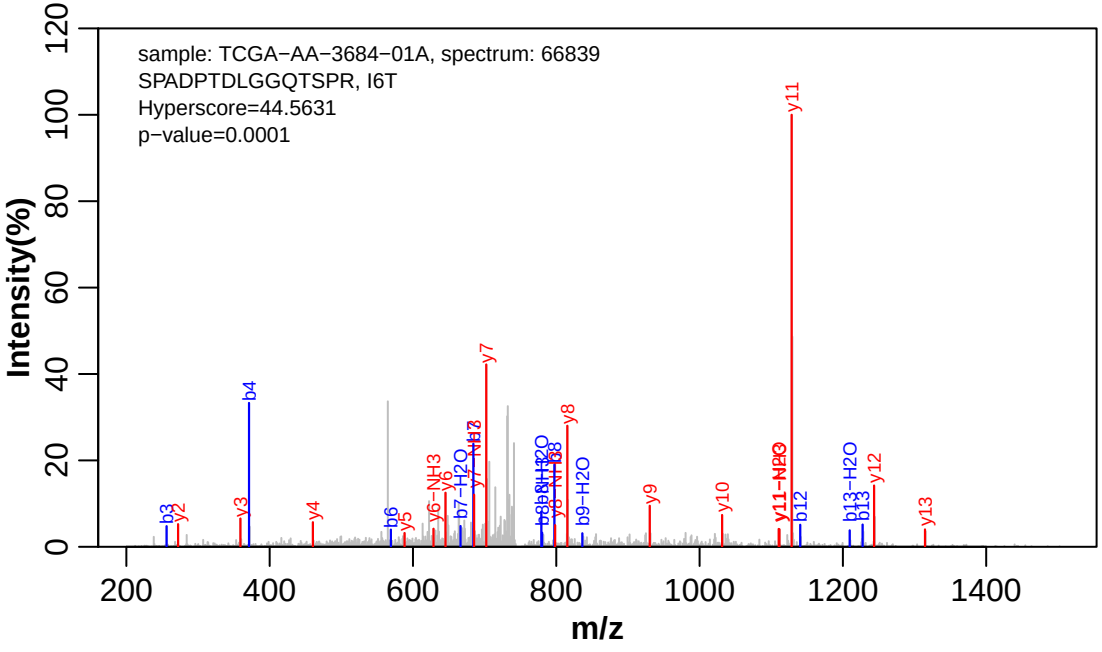

sample: TCGA−AA−3684−01A, spectrum: 39131
NPLLDLAAYDQEGR, R3L
Hyperscore=47.0288
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b4
y4
b5
y5
b6−NH3
b6
b7−NH3
b7
y6−NH3
y6
b8
y7
y8
b9
y9
y10
b10
y11
b11
b12
b13

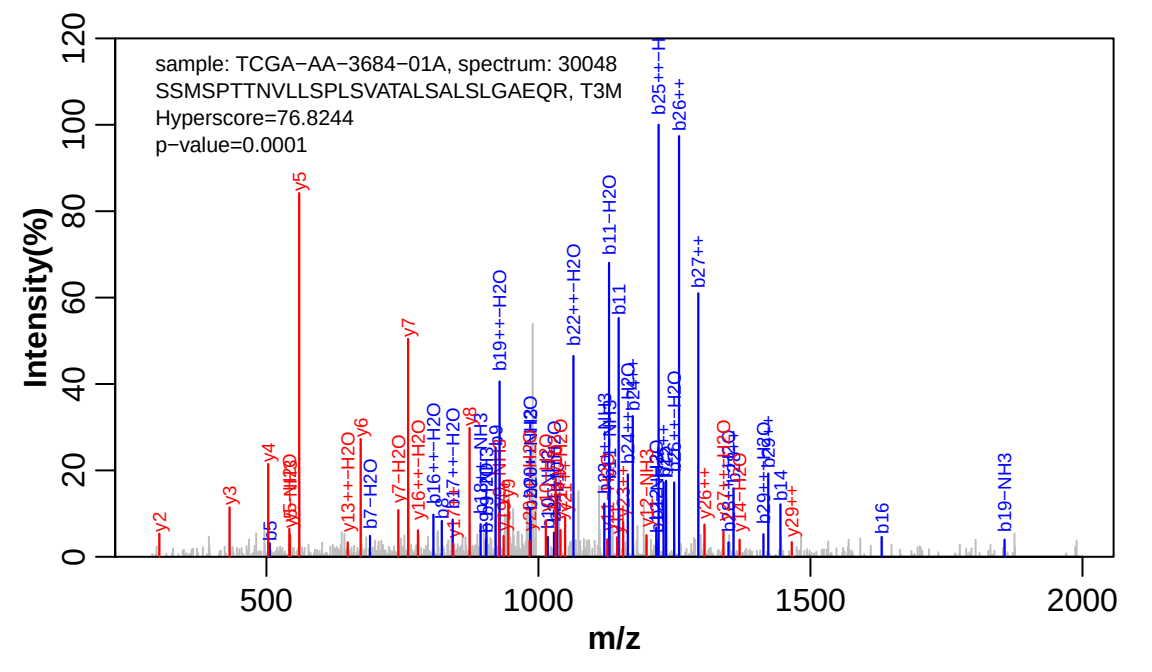

sample: TCGA−AA−3684−01A, spectrum: 98718
RQDLQSDGFSLETCK, K5Q
Hyperscore=50.7469
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6++
y3
b7++
b8++−NH3
y8++−H2O
b4++−H2O
b4++−NH3
b9++
y8++
y4
b11++−H2O
b10++−H2O
b5−NH3
y5
b12++−H2O
b12++
y6
b6−H2O
b6
b13++
b14++−H2O
b7
b8
y8
b9
y10

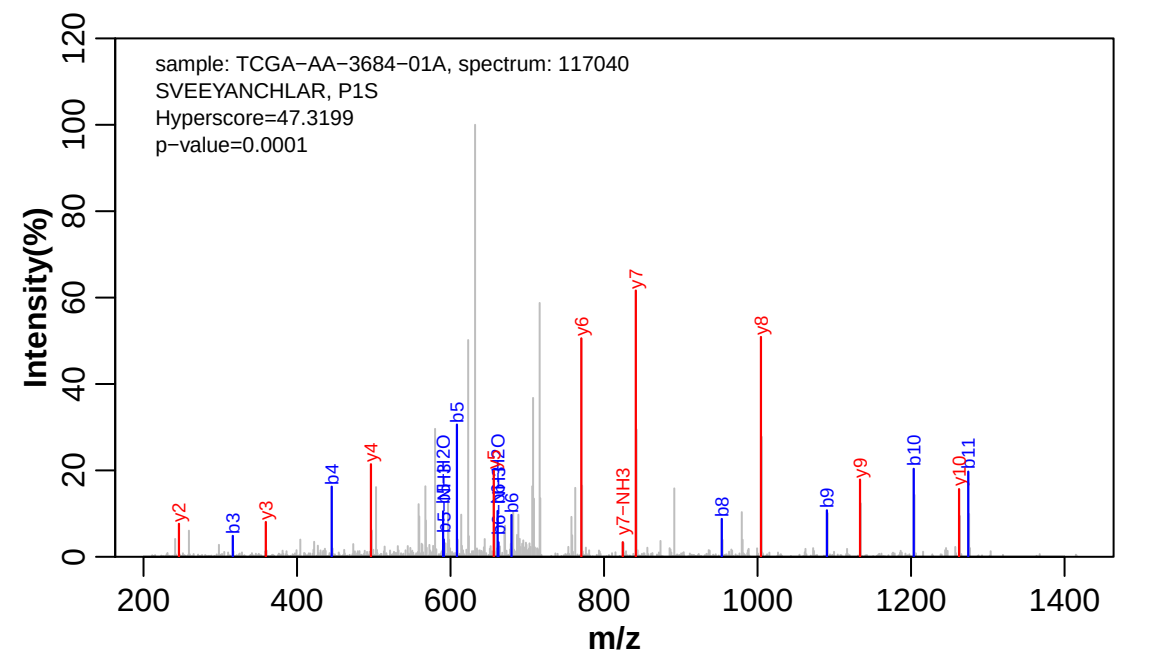

sample: TCGA−AA−3684−01A, spectrum: 151457
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=37.0515
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
b5−H2O
y4−H2O
y4
y5−NH3
y6
b10−NH3
y9
y10−NH3
y10
y11−H2O
y12
y13
b15
y15−NH3
b17

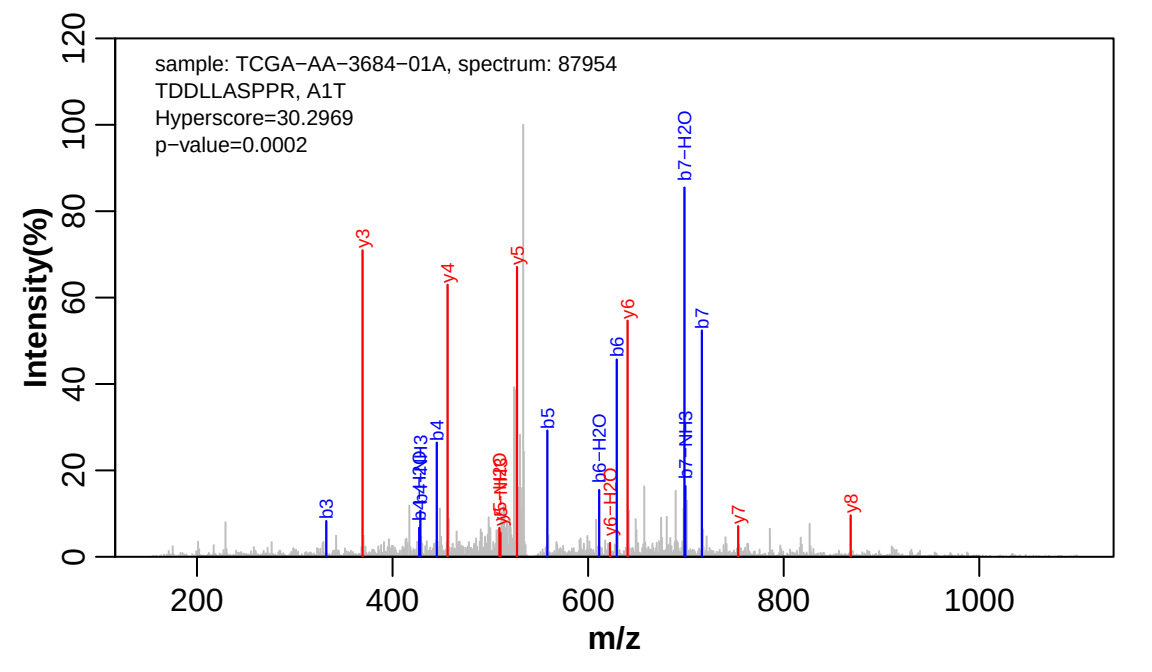

sample: TCGA−AA−3684−01A, spectrum: 60864
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=80.1110
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y7++
b4
y4
b5
y10++
y8++
b8−NH3
b8
y16++
y19++
y10
y11
b10
b11
y12
b14
b13++−H2O
y13++−H2O
y17++

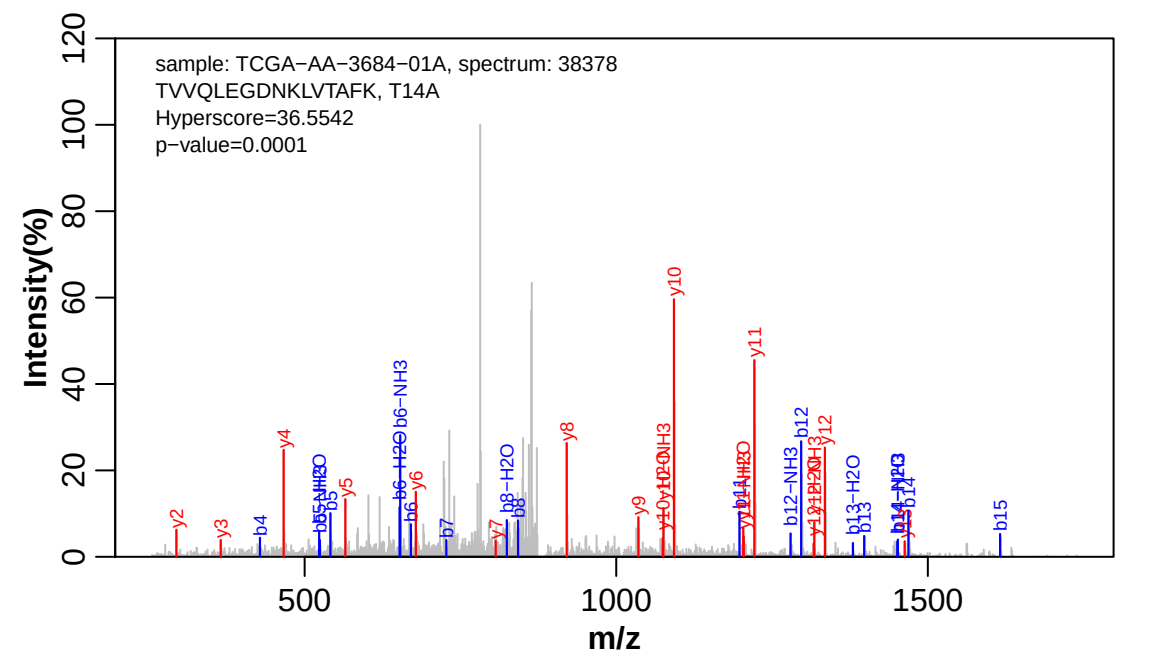

sample: TCGA−AA−3684−01A, spectrum: 18488
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=44.1772
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y8++
b6−H2O
b6
y17++
y15++
y19++
y18++
y20++
y21++
y14++
b11−H2O
b11

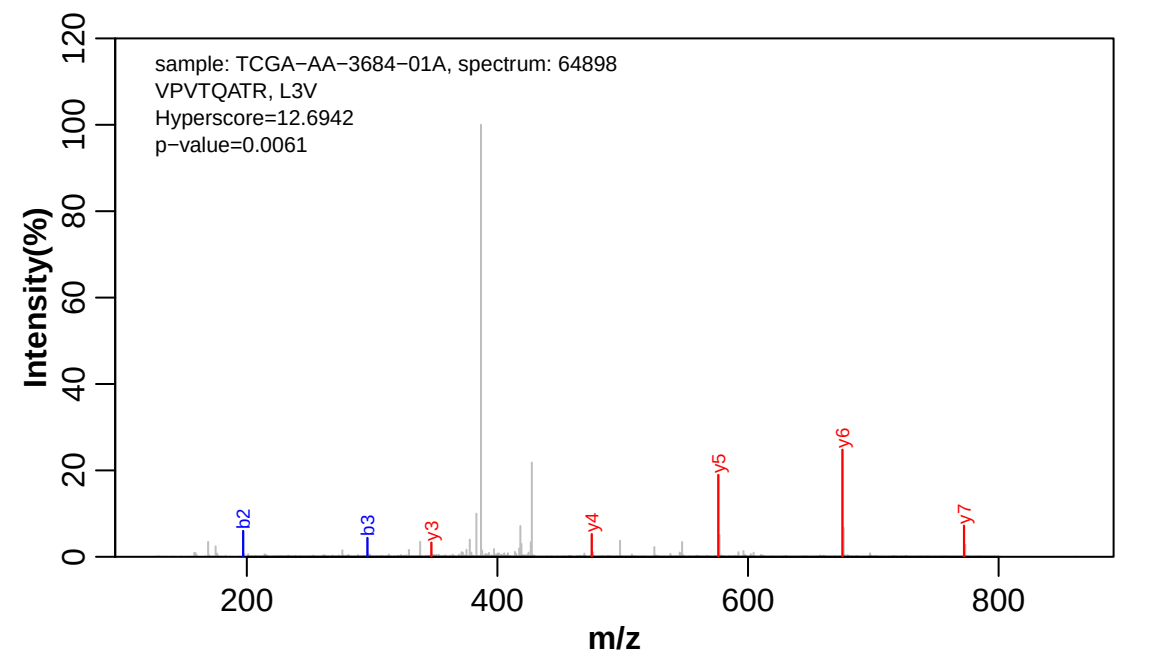

sample: TCGA−AA−3684−01A, spectrum: 66839
SPADPTDLGGQTSPR, I6T
Hyperscore=44.5631
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
b4
y3
y4
b6
y5
y6−NH3
y6
b7−H2O
y7−NH3
y7
y8
b9−H2O
y9
y10
y11−NH3
y11−H2O
y11
b12
b13−H2O
b13
y12
y13

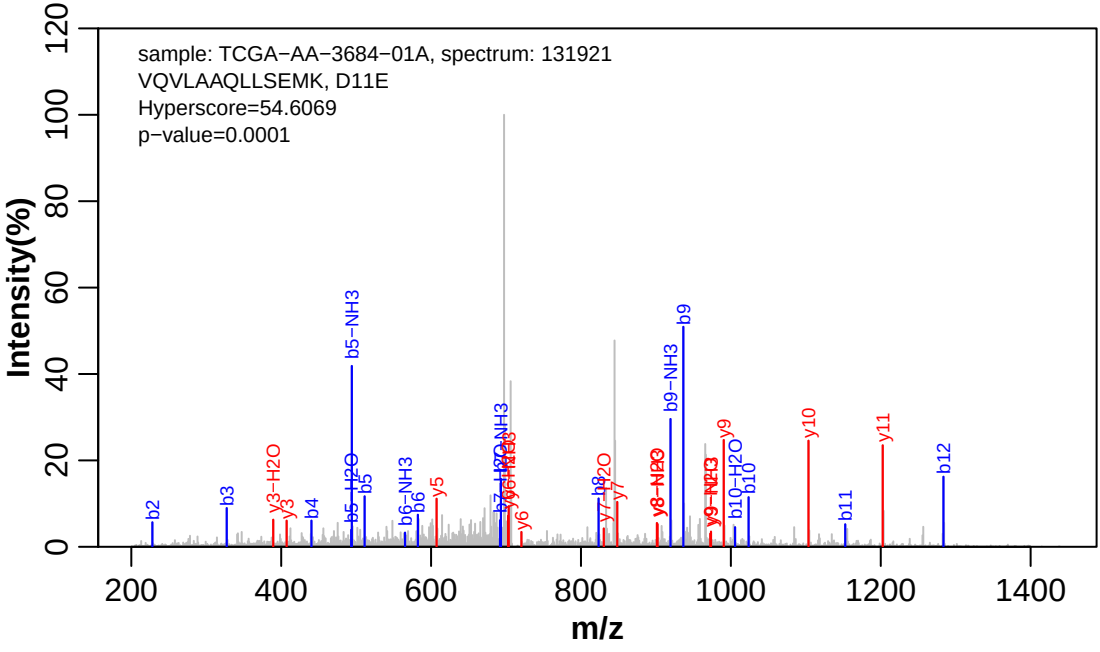

sample: TCGA−AA−3684−01A, spectrum: 30048
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=76.8244
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y4
y5
y6
y7
b5
b7−H2O
b11−H2O
b11
b16
b19−NH3
b14
b26++
b27++
y26++
y29++

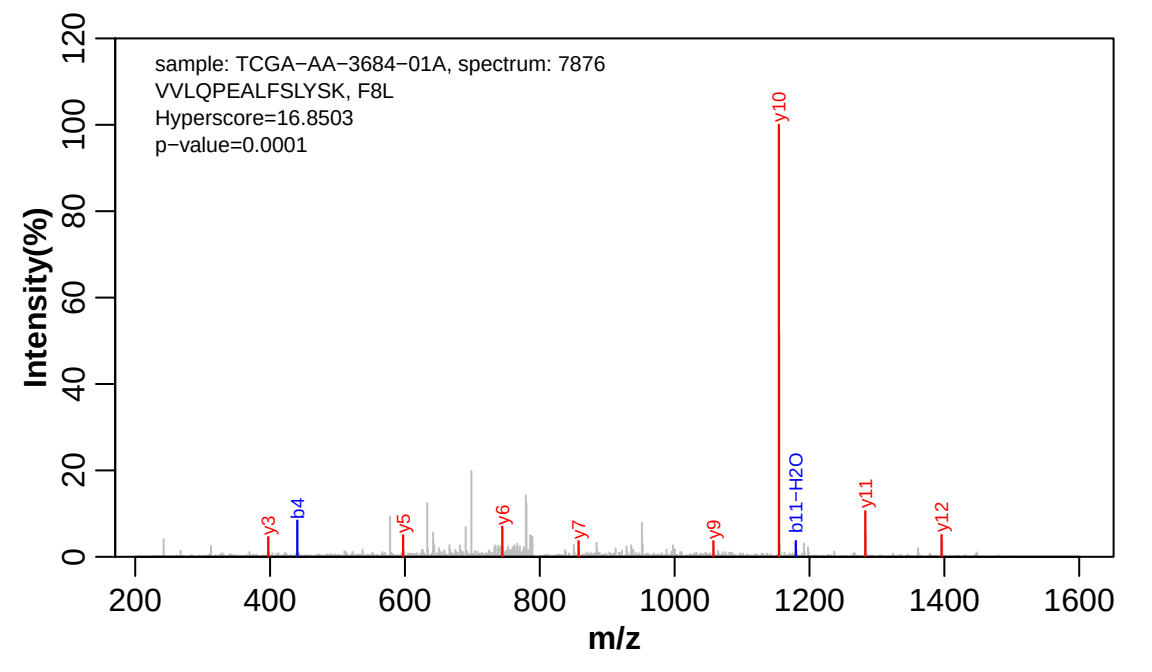

sample: TCGA−AA−3684−01A, spectrum: 117040
SVEEYANCHLAR, P1S
Hyperscore=47.3199
p−value=0.0001
Intensity(%)
m/z
y2
b3
y3
b4
y4
b5
y6
y7
y7−NH3
y8
b8
b9
y9
b10
y10
b11

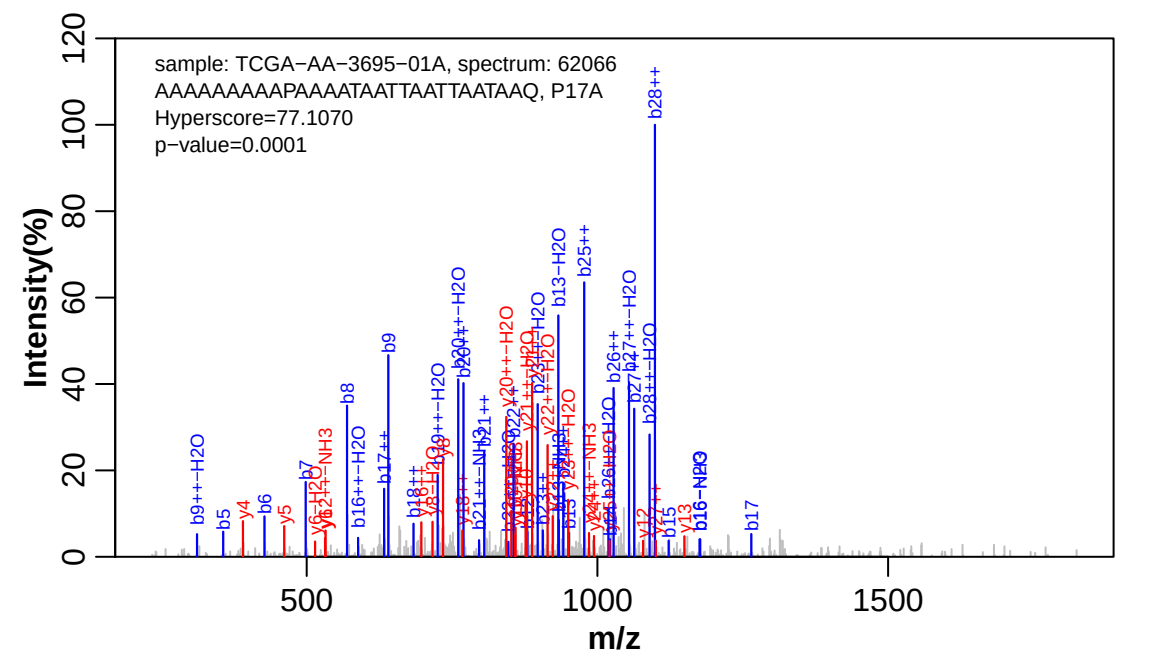

sample: TCGA−AA−3684−01A, spectrum: 87954
TDDLLASPPR, A1T
Hyperscore=30.2969
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y3
y4
y5
y6
y7
y8
b3
b4
b5
b6
b7
b6−H2O
b7−H2O
b7−NH3
y6−H2O
y5−NH3

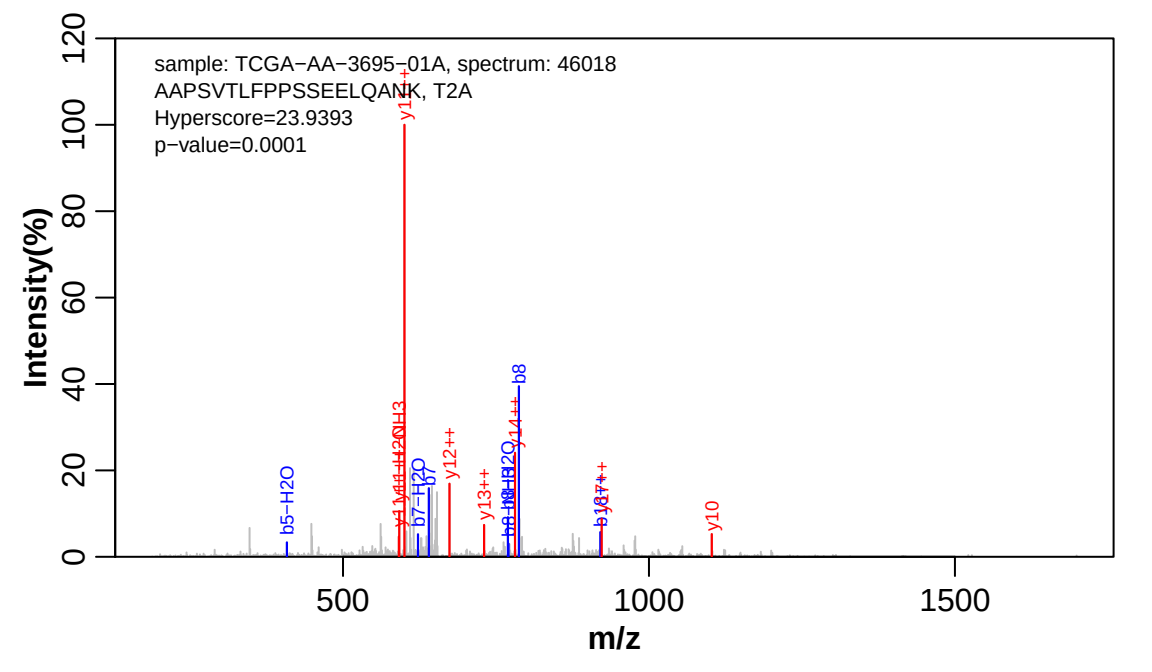

sample: TCGA−AA−3684−01A, spectrum: 38378
TVVQLEGDNKLVTAFK, T14A
Hyperscore=36.5542
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y3
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6
b7
y7
b8−H2O
b8
y8
y9
y10
y10−NH3
y10−H2O
y11
b11−NH3
b11−H2O
b12−NH3
b12
y12−NH3
y12
b13−H2O
b13
b14−NH3
b14−H2O
b14
b15

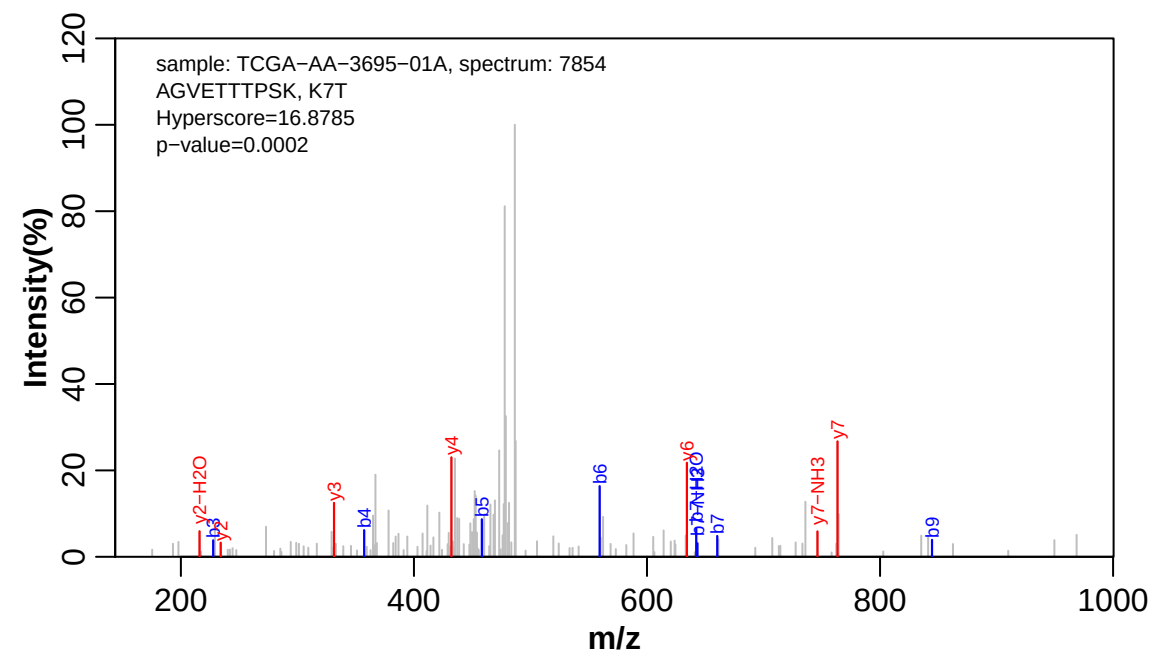

sample: TCGA−AA−3684−01A, spectrum: 64898
VPVTQATR, L3V
Hyperscore=12.6942
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3
y4
y5
y6
y7

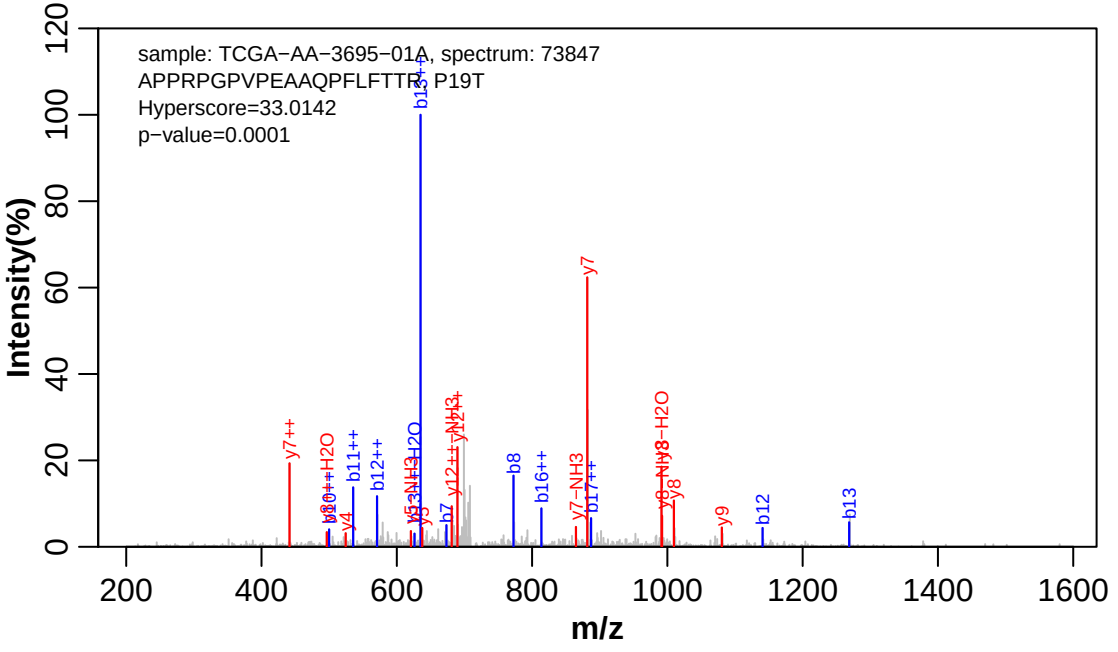

sample: TCGA−AA−3684−01A, spectrum: 131921
VQVLAAQLLSEMK, D11E
Hyperscore=54.6069
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b3
y3−H2O
y3
b4
b5−NH3
b5−H2O
b5
b6−NH3
b6
y5
b7−H2O
b7−NH3
y6
y6−NH3
y6−H2O
b8
y7−H2O
y7
b9−NH3
b9
y8−NH3
y8−H2O
y8
y9−NH3
y9−H2O
y9
b10−H2O
b10
y10
b11
y11
b12

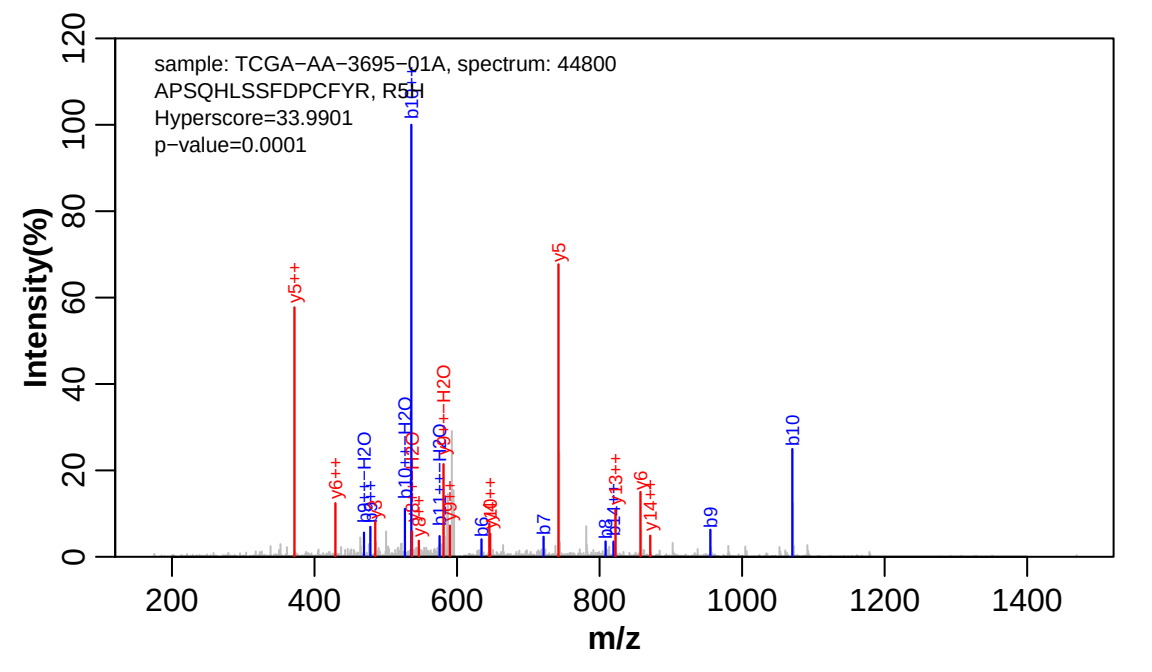

sample: TCGA−AA−3684−01A, spectrum: 7876
VVLQPEALFSLYSK, F8L
Hyperscore=16.8503
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
1600
y3
b4
y5
y6
y7
y9
y10
b11−H2O
y11
y12

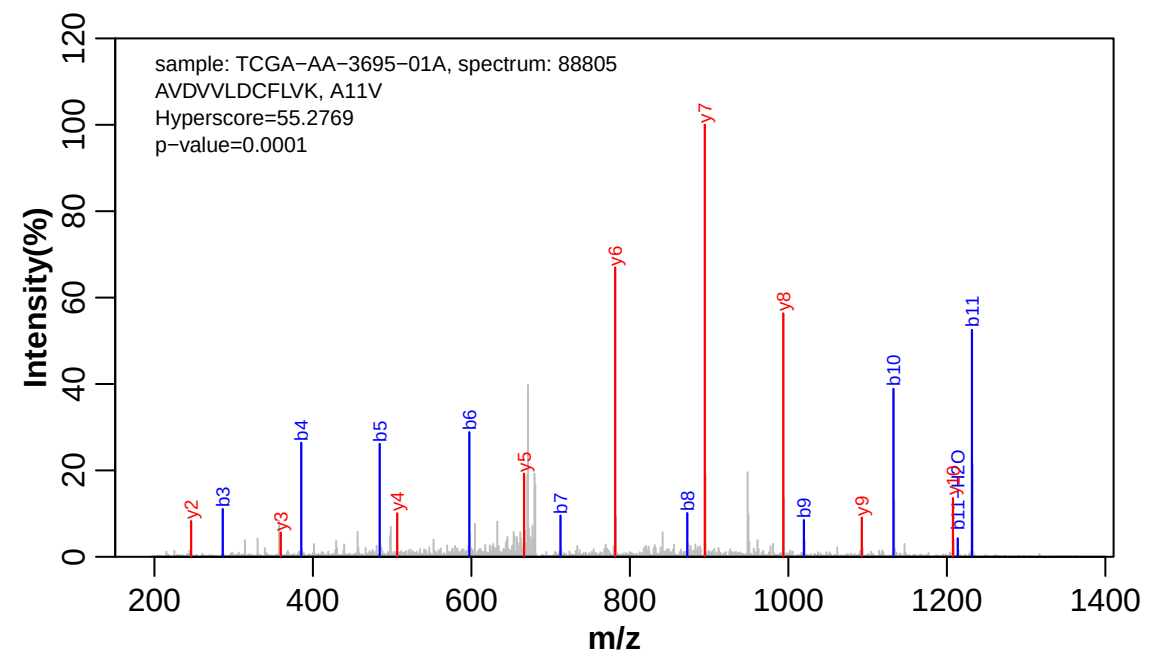

sample: TCGA−AA−3695−01A, spectrum: 62066
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=77.1070
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9++−H2O
b5
y4
b6
y5
b7
y6−H2O
y6−NH3
b8
b16++−H2O
b17++
b9
b18++
y8
b20++−H2O
y18++
b21++−NH3
b20++
b13−H2O
b25++
b28++
b17

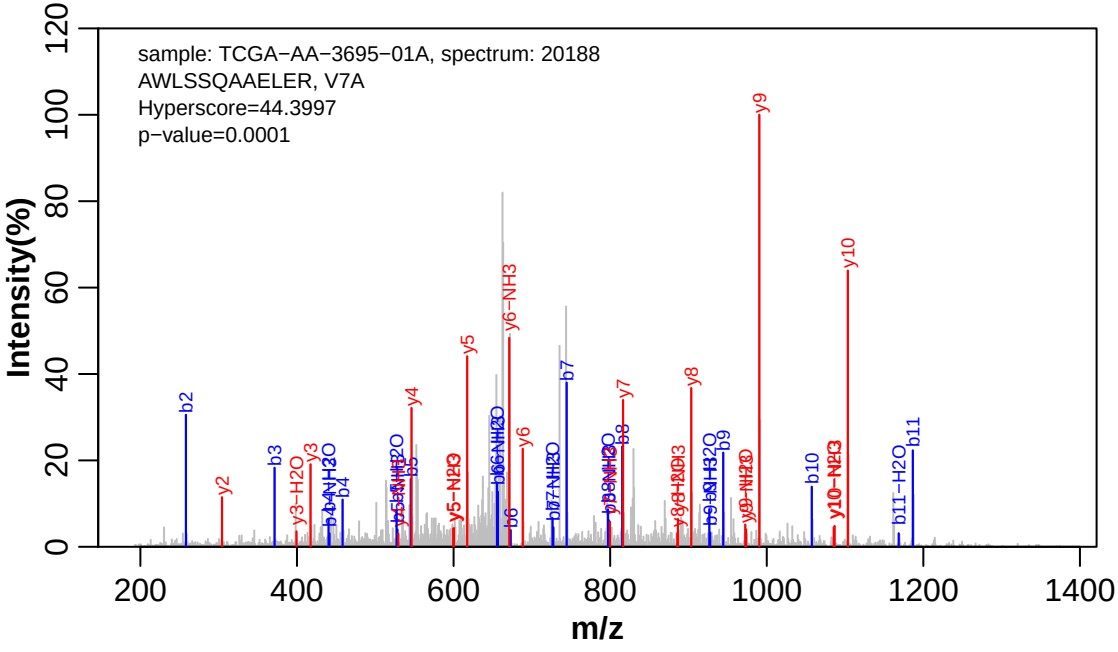

sample: TCGA−AA−3695−01A, spectrum: 46018
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=23.9393
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
y11++−H2O
y11++−H3
b5−H2O
b7−H2O
b7
y12++
y13++
b8
y14+++
b8−H2O
b8−H3
b18++
b18++
y10

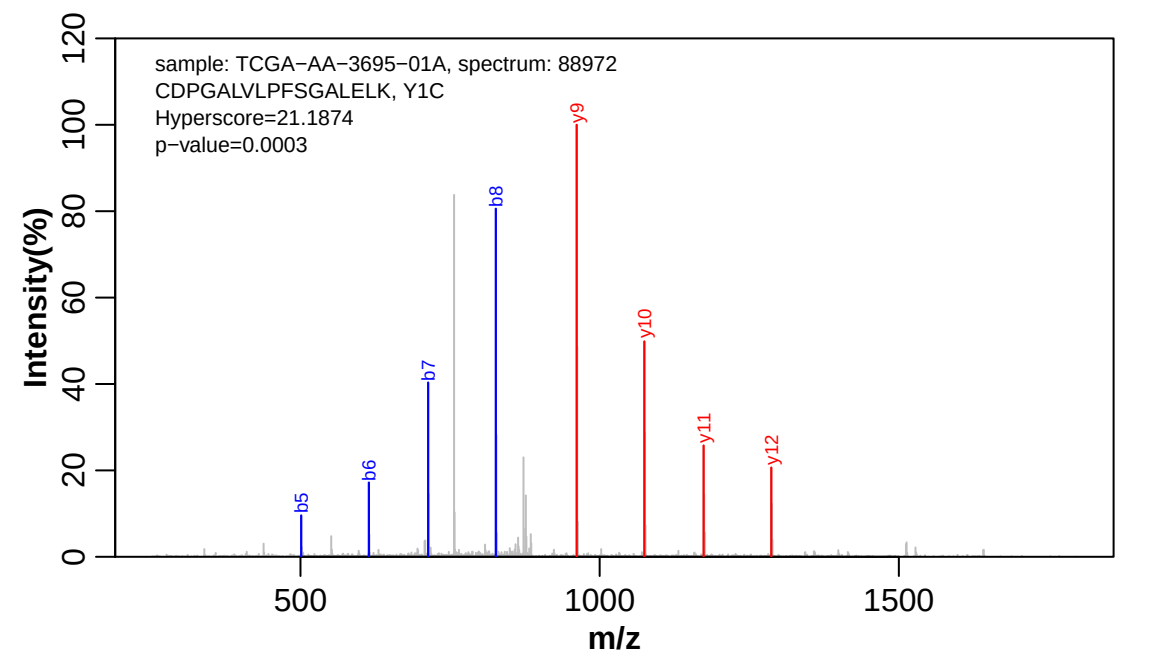

sample: TCGA−AA−3695−01A, spectrum: 7854
AGVETTTPSK, K7T
Hyperscore=16.8785
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
y2−H2O
b3
y2
y3
b4
y4
b5
b6
y6
b7
y7−NH3
y7
b9

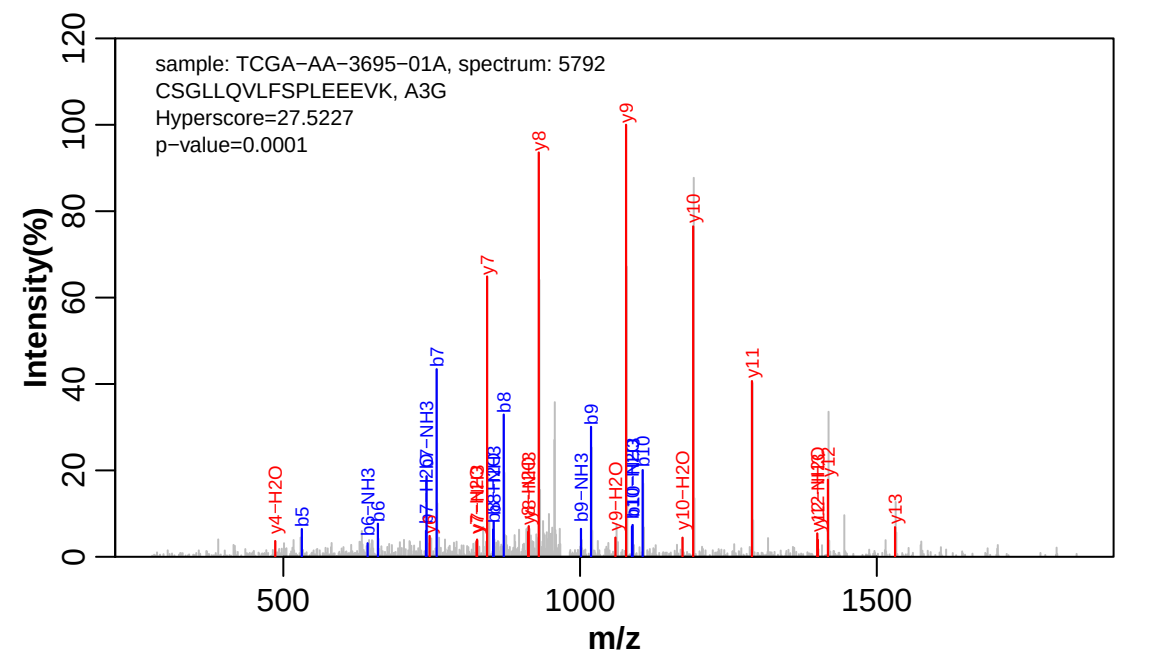

sample: TCGA−AA−3695−01A, spectrum: 73847
APPRPGPVPEAAQPFLFTTR, P19T
Hyperscore=33.0142
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7++
b13++
y7
b11++
b12++
b8
b16++
y7−NH3
b17++
y8
y9
b12
b13

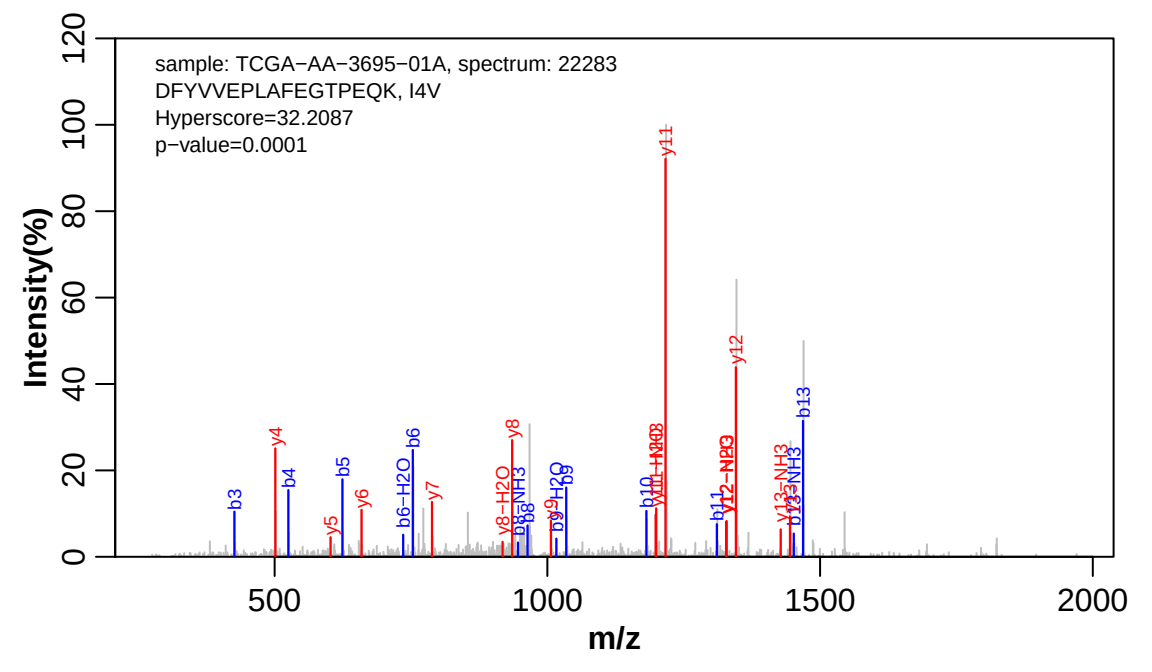

sample: TCGA−AA−3695−01A, spectrum: 44800
APSQHLSSFDPCFYR, R5H
Hyperscore=33.9901
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5++
y5
b10++
b10
y6++
y6
y14++
b9
b7
b6
b8
b10++−H2O
y8++−H2O
y9++−H2O
y11++−H2O
y12++−H2O
b8++−H2O
b9++−H2O
y13++
y10++

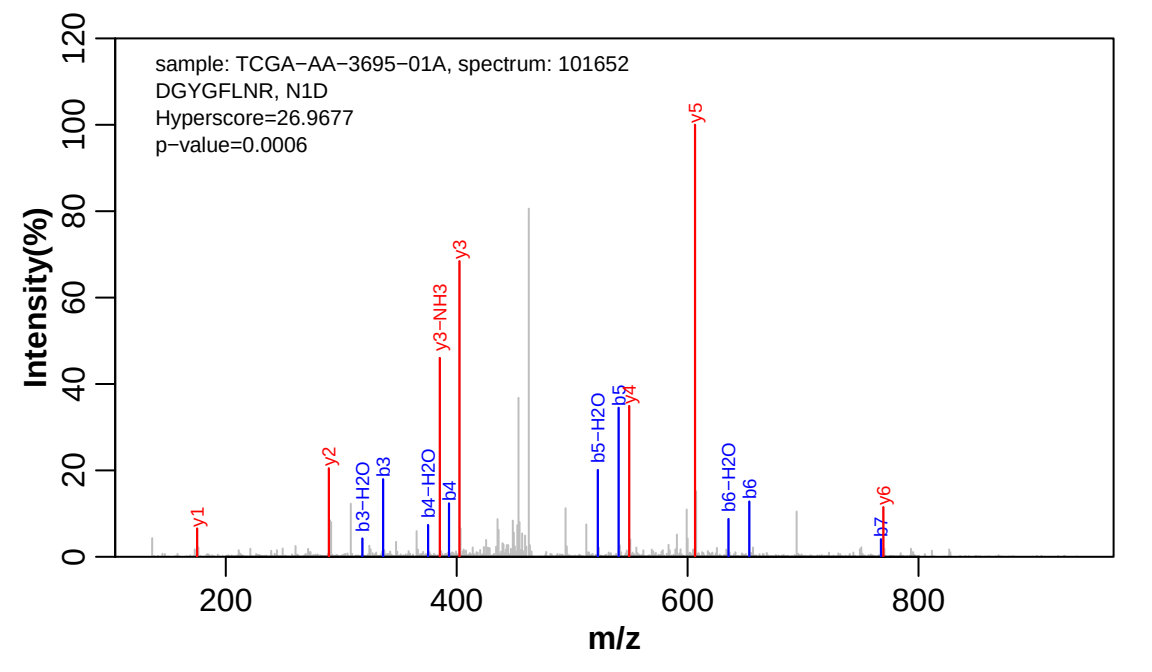

sample: TCGA−AA−3695−01A, spectrum: 88805
AVDVVLDCFLVK, A11V
Hyperscore=55.2769
p−value=0.0001
Intensity(%)
m/z
y2
b3
y3
b4
y4
b5
b6
y5
b7
y6
b8
y7
b9
y8
y9
b10
b11
b11−H2O
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

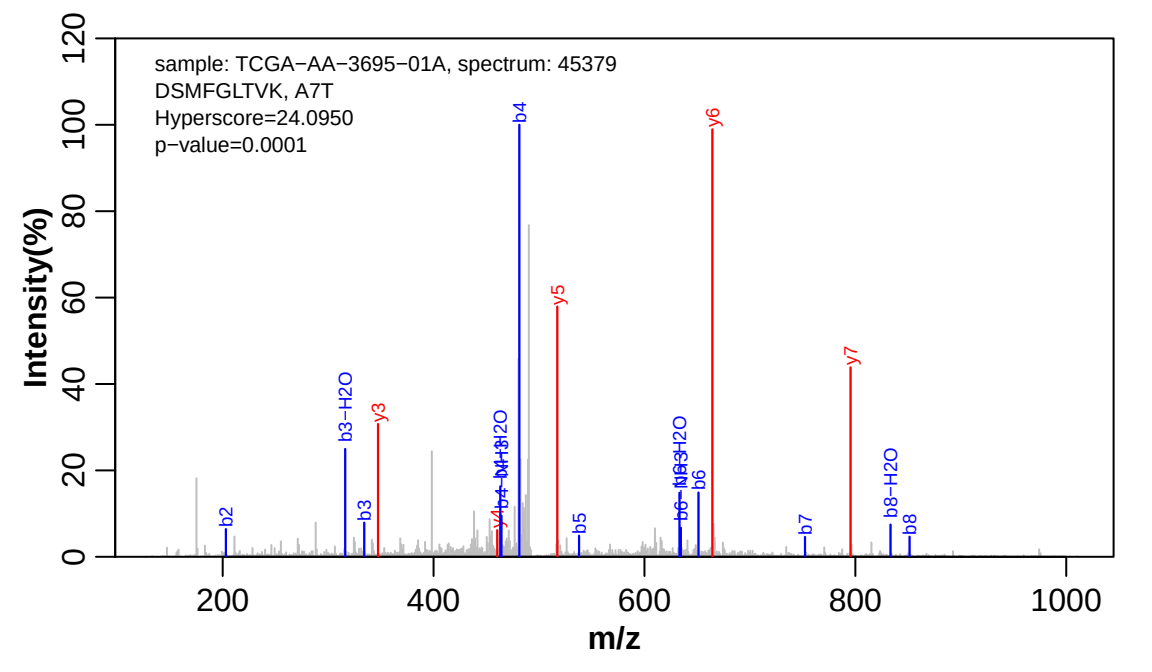

sample: TCGA−AA−3695−01A, spectrum: 20188
AWLSSQAAELER, V7A
Hyperscore=44.3997
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3−H2O
y3
b4
y4
b5
y5
y5−NH3
b6
y6−NH3
y6
b7
y7
b8
y8
b9
y9
y9−NH3
b10
y10
y10−NH3
b11
b11−H2O

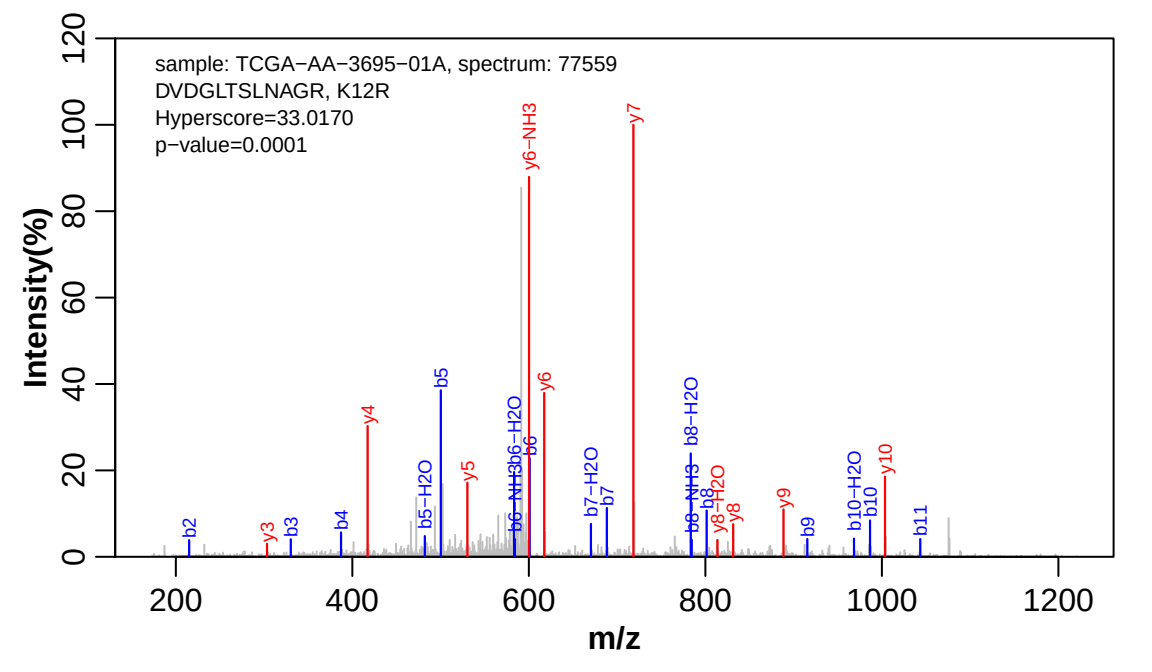

sample: TCGA−AA−3695−01A, spectrum: 88972
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.1874
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6
b7
b8
y9
y10
y11
y12

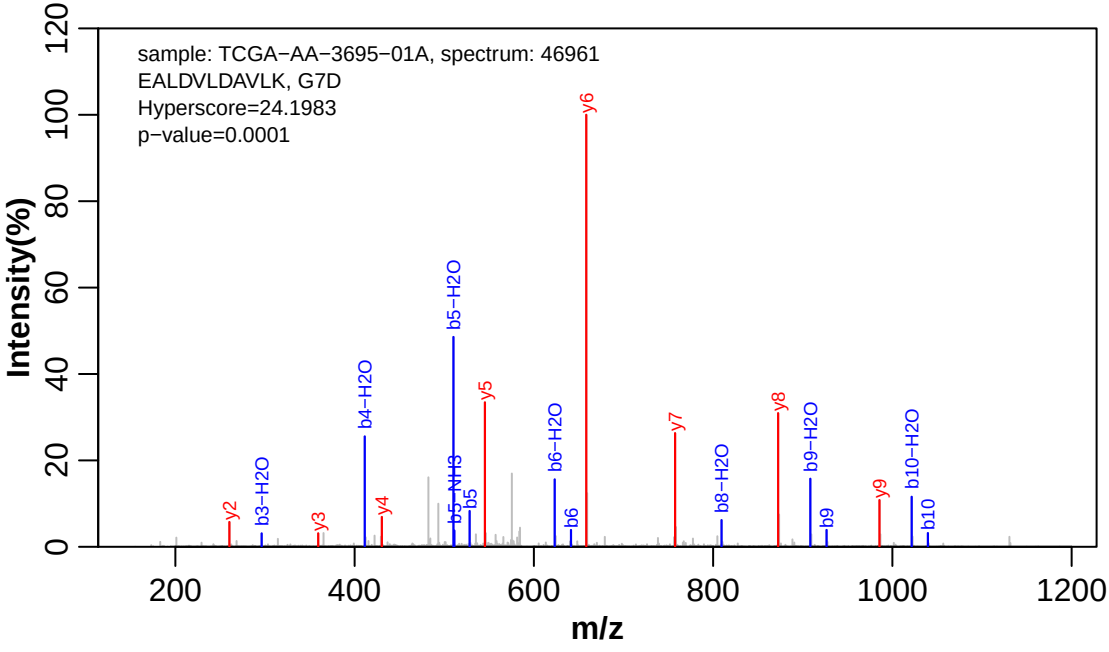

sample: TCGA−AA−3695−01A, spectrum: 5792
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=27.5227
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4−H2O
b5
b6−NH3
b6
y7−H2O
y7−NH3
b7
y7
b8
y8
y9
b9−NH3
b9
y9−H2O
y10
y10−H2O
y11
y12
y13

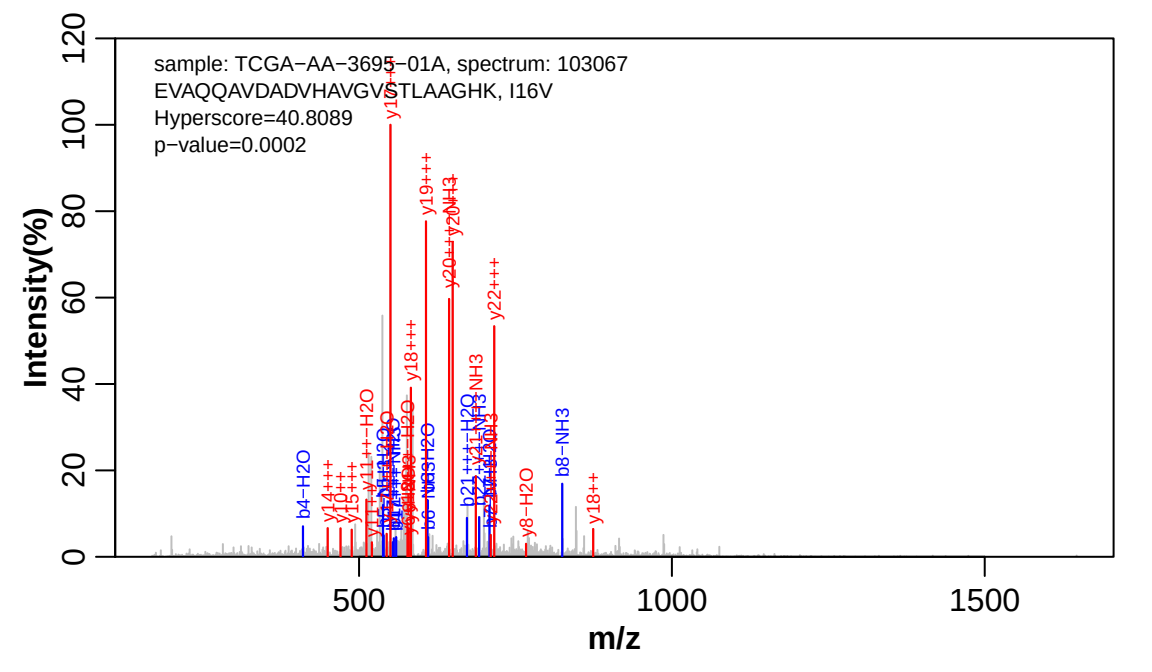

sample: TCGA−AA−3695−01A, spectrum: 22283
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=32.2087
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
y5
b5
y6
b6
b6−H2O
y7
y8
y8−H2O
b8
b8−NH3
b9
b9−H2O
b10
y11
y11−NH3
b11
y12
y12−NH3
y13−NH3
b13
b13−NH3

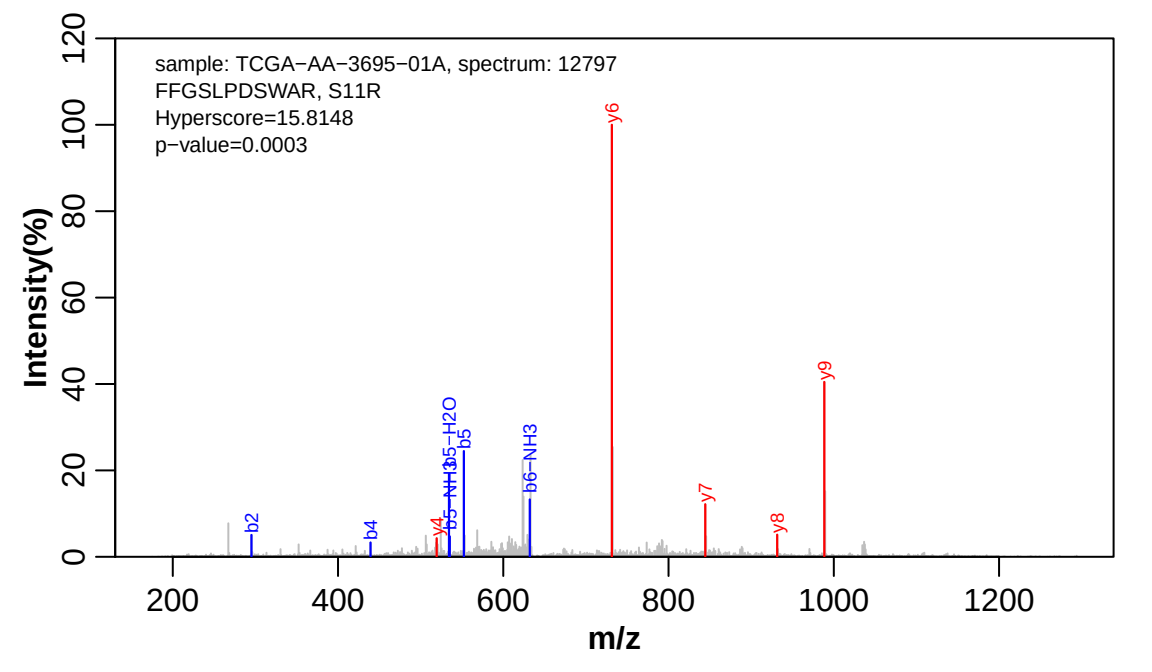

sample: TCGA−AA−3695−01A, spectrum: 101652
DGYGFLNR, N1D
Hyperscore=26.9677
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

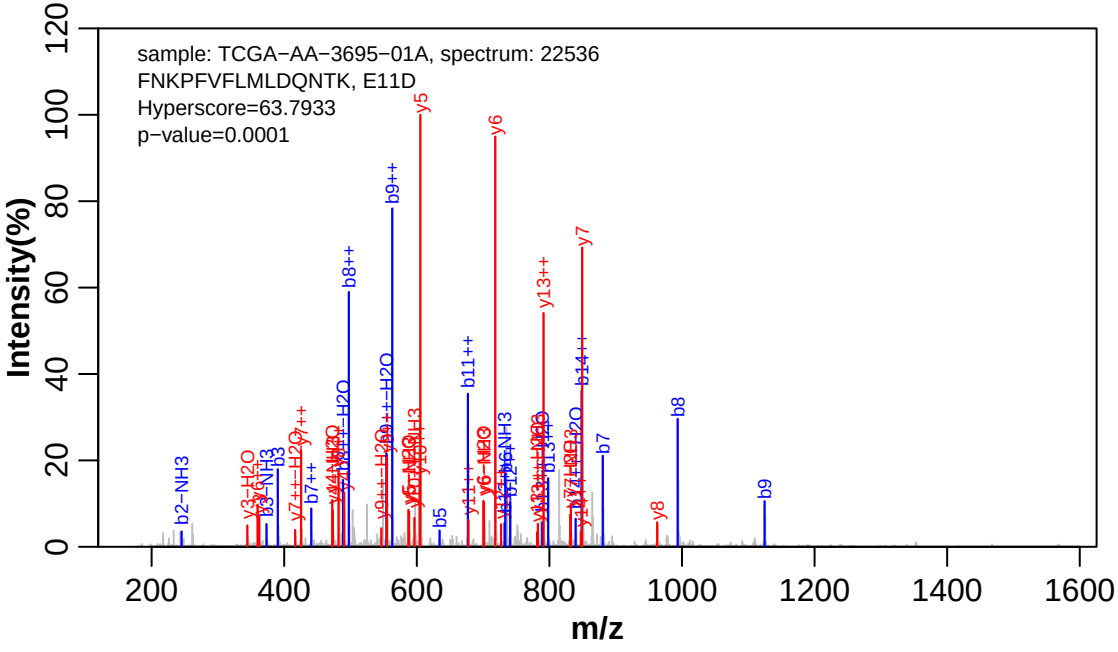

sample: TCGA−AA−3695−01A, spectrum: 45379
DSMFGLTVK, A7T
Hyperscore=24.0950
p−value=0.0001
Intensity(%)
m/z
b2
b3−H2O
b3
y3
b4
y6
y5
y7
b5
b6
b7
b8−H2O
b8

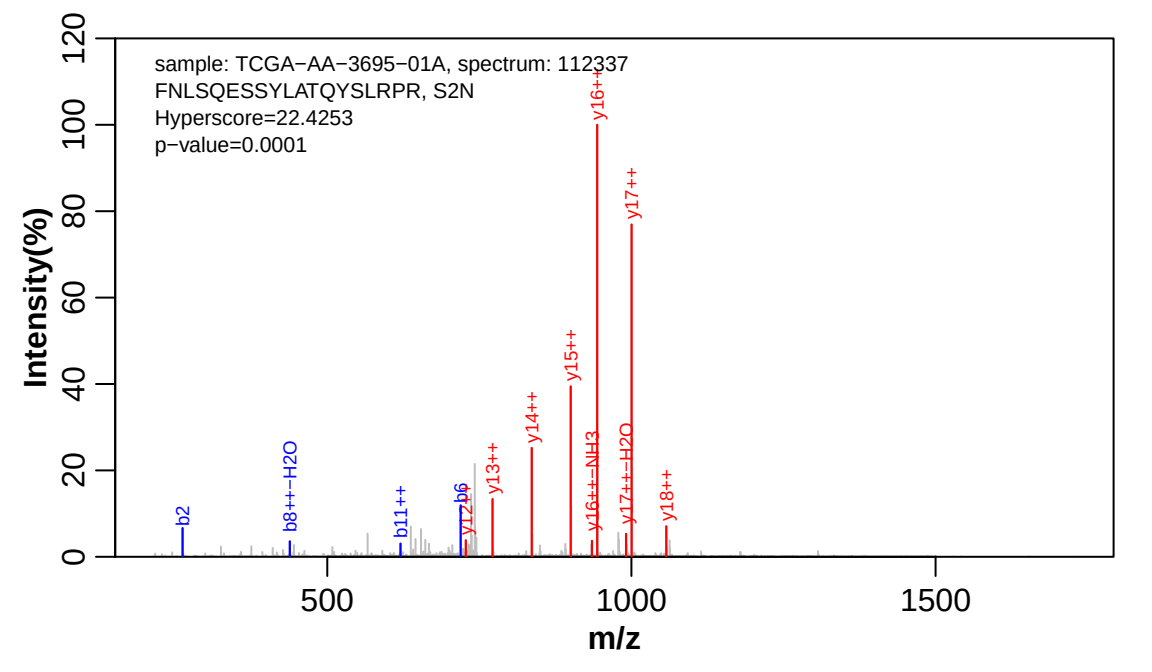

sample: TCGA−AA−3695−01A, spectrum: 77559
DVDGLTSLNAGR, K12R
Hyperscore=33.0170
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
b3
b4
y4
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6−NH3
y6
b7−H2O
b7
y7
b8−NH3
b8−H2O
b8
y8−H2O
y8
y9
b9
b10−H2O
b10
y10
b11

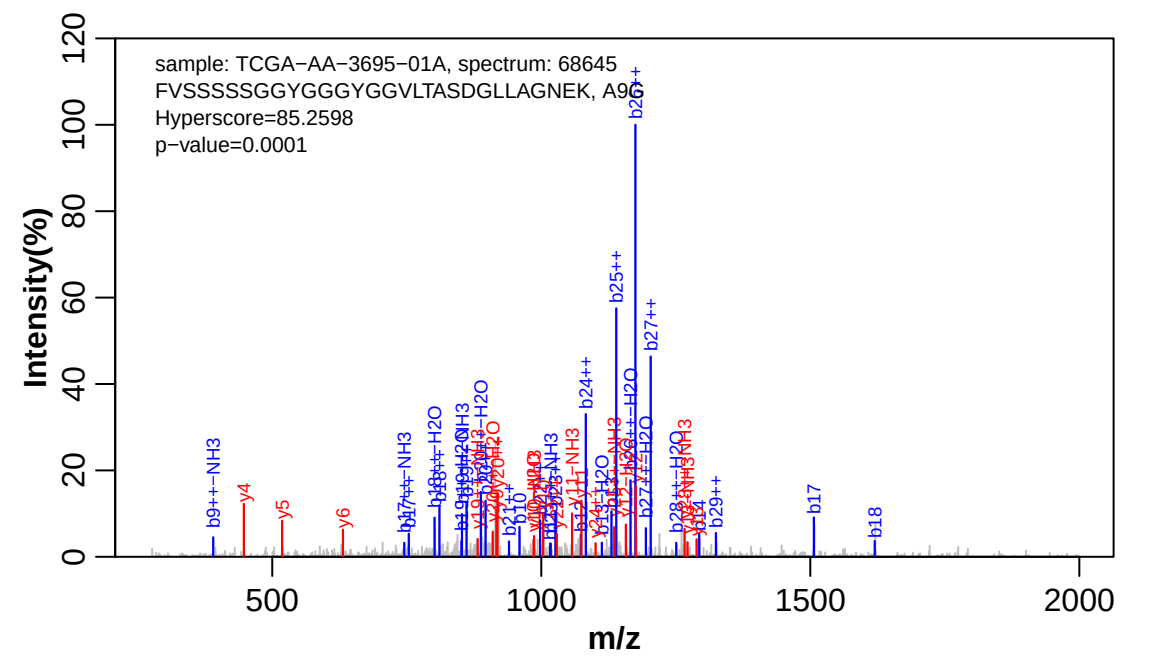

sample: TCGA−AA−3695−01A, spectrum: 46961
EALDVLDAVLK, G7D
Hyperscore=24.1983
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
y4
b5−NH3
b5
b5−H2O
y5
b6−H2O
b6
y6
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

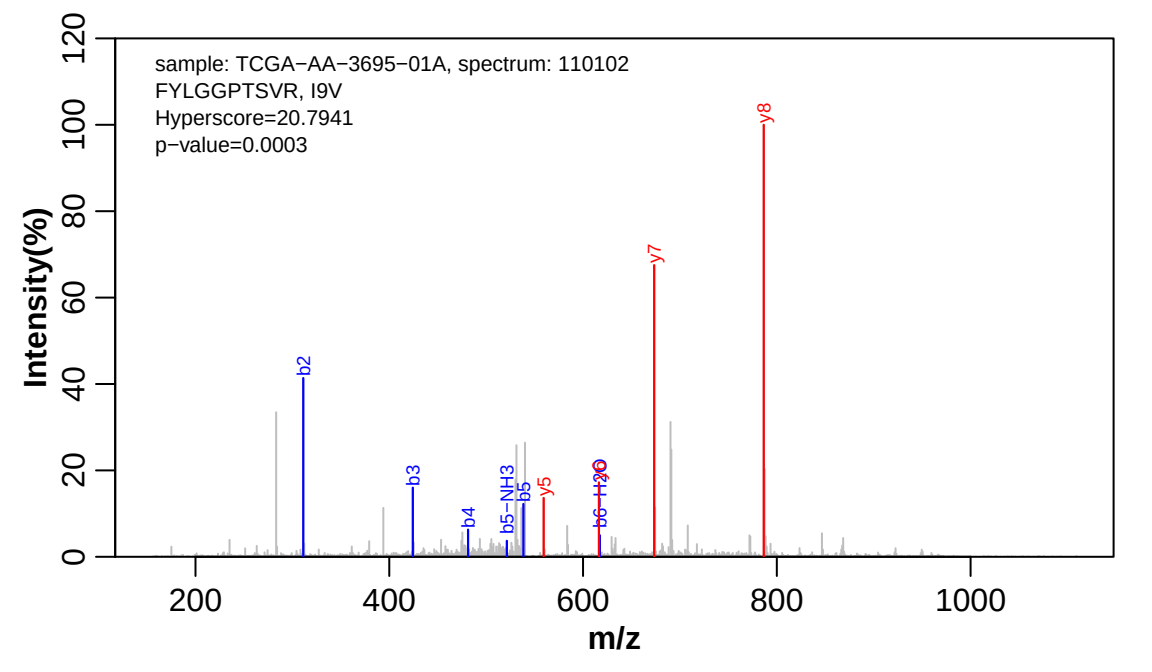

sample: TCGA−AA−3695−01A, spectrum: 103067
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=40.8089
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4−H2O
y14+++
y15+++
y10+++
y11++−H2O
y18+++
b6−NH3H2O
y19+++
y20++−NH3
y20++
y22+++
b8−NH3
y8−H2O
y18++

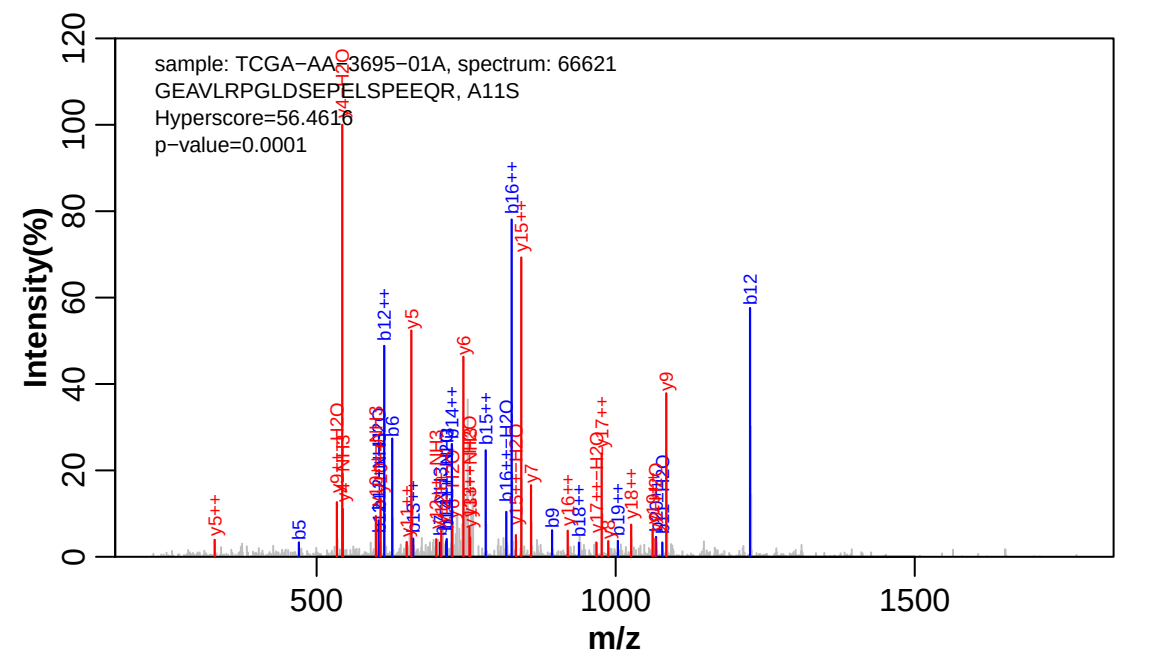

sample: TCGA−AA−3695−01A, spectrum: 12797
FFGSLPDSWAR, S11R
Hyperscore=15.8148
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5
b5−H2O
b6−NH3
y6
y7
y8
y9

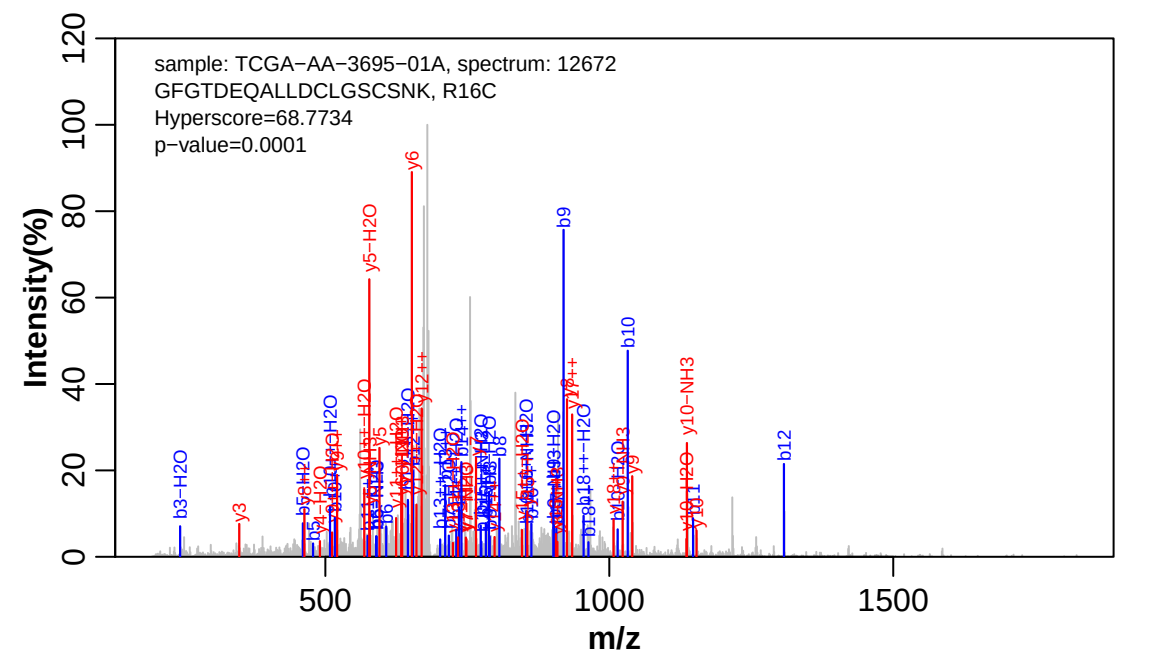

sample: TCGA−AA−3695−01A, spectrum: 22536
FNKPFVFLMLDQNTK, E11D
Hyperscore=63.7933
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2−NH3
y3−H2O
b3
b3−NH3
y7++−H2O
y7++
b7++
b8++
b9++
y5
y6
b5
b11++
y13++
y7
b14++
b8
b7
y8
b9

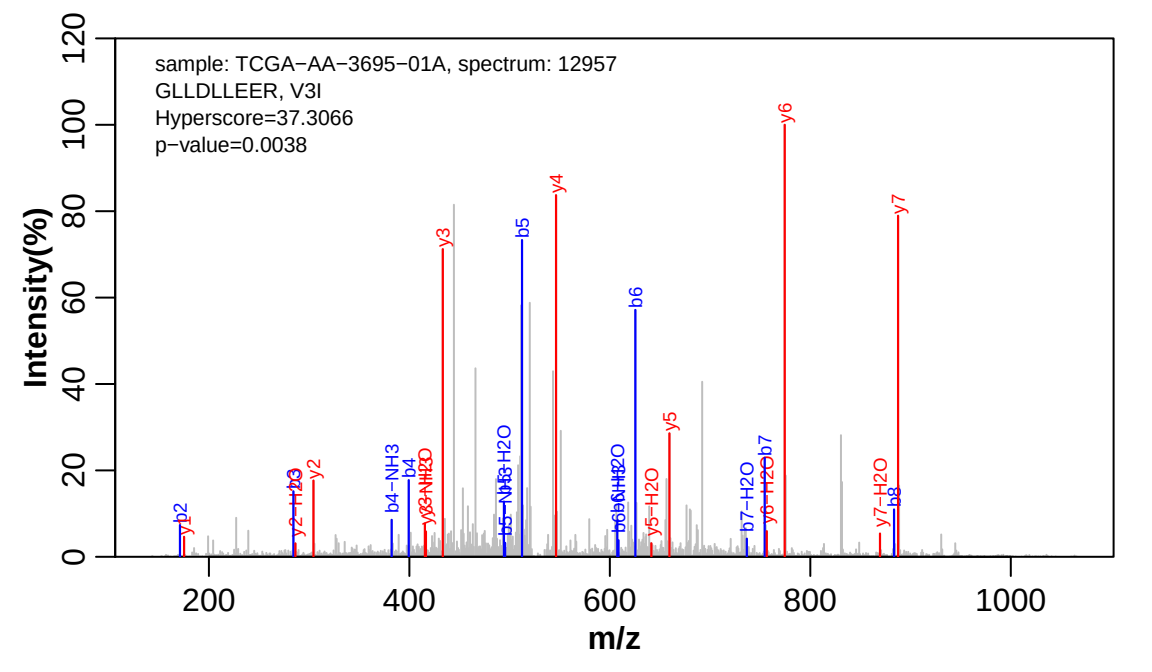

sample: TCGA−AA−3695−01A, spectrum: 112337
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=22.4253
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b8++−H2O
b11++
b6
y12++
y13++
y14++
y15++
y16++
y16++−NH3
y17++
y17++−H2O
y18++

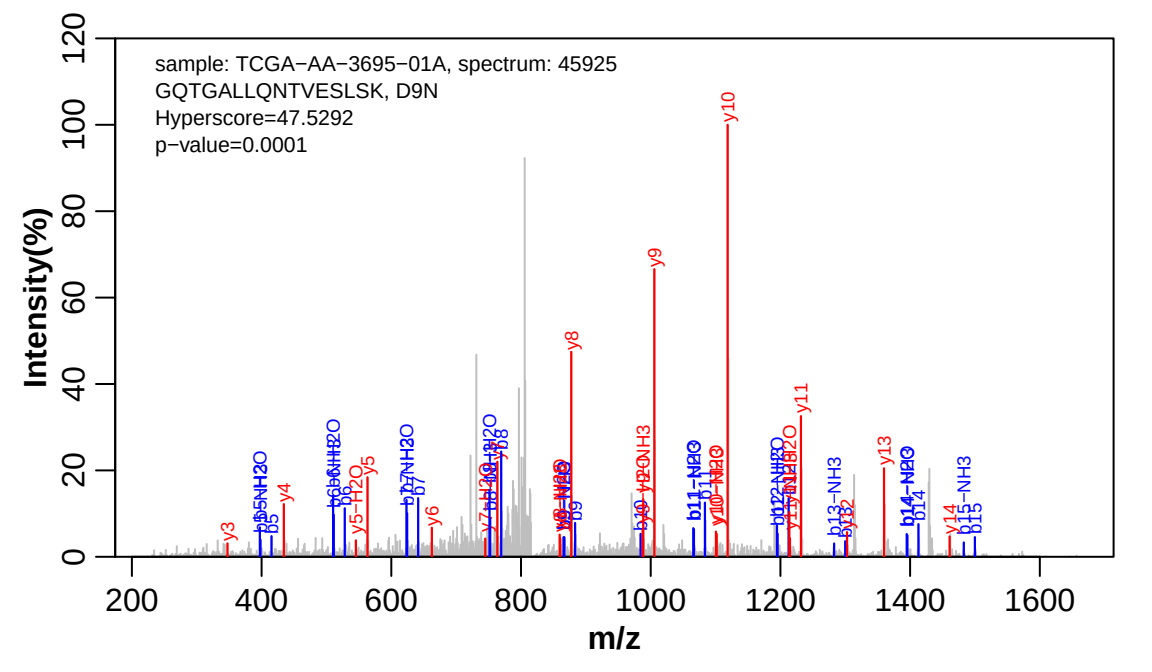

sample: TCGA−AA−3695−01A, spectrum: 68645
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=85.2598
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y6
b17++−NH3
b18++−H2O
b18++
b19++−H2O−NH3
b19++−H2O
b19++−NH3
b19++
b21++
b24++
b25++
b26++
b27++
b29++
b17
b18

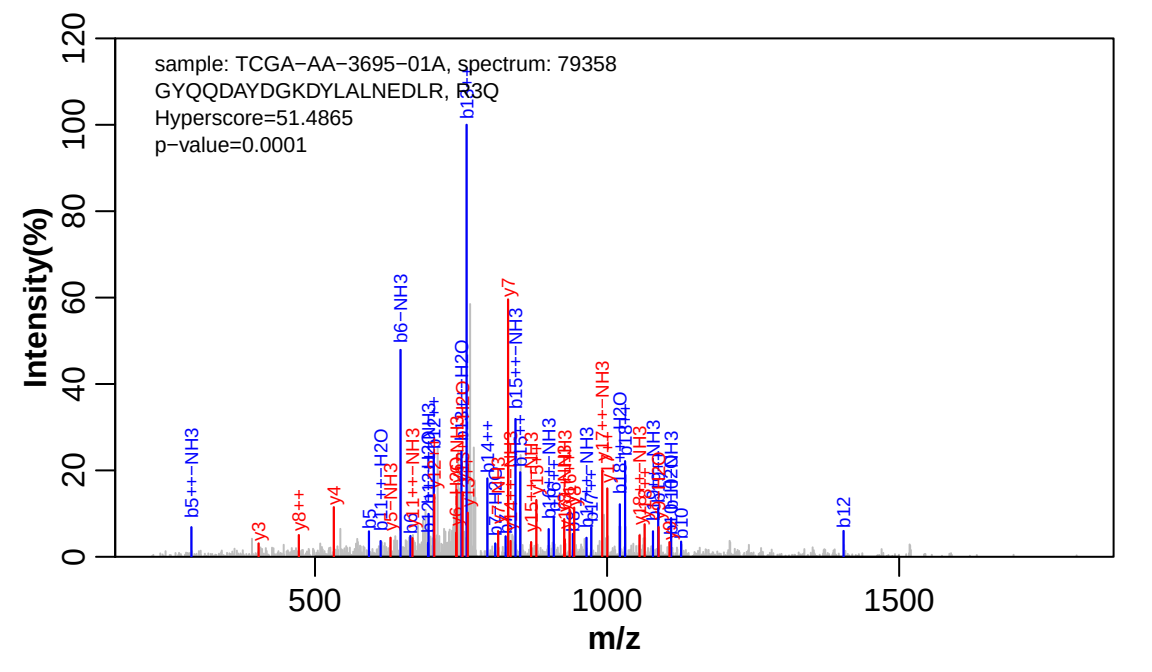

sample: TCGA−AA−3695−01A, spectrum: 110102
FYLGGPTSVR, I9V
Hyperscore=20.7941
p−value=0.0003
Intensity(%)
m/z
b2
b3
b4
b5−NH3
b5
y5
b6−H2O
y7
y8

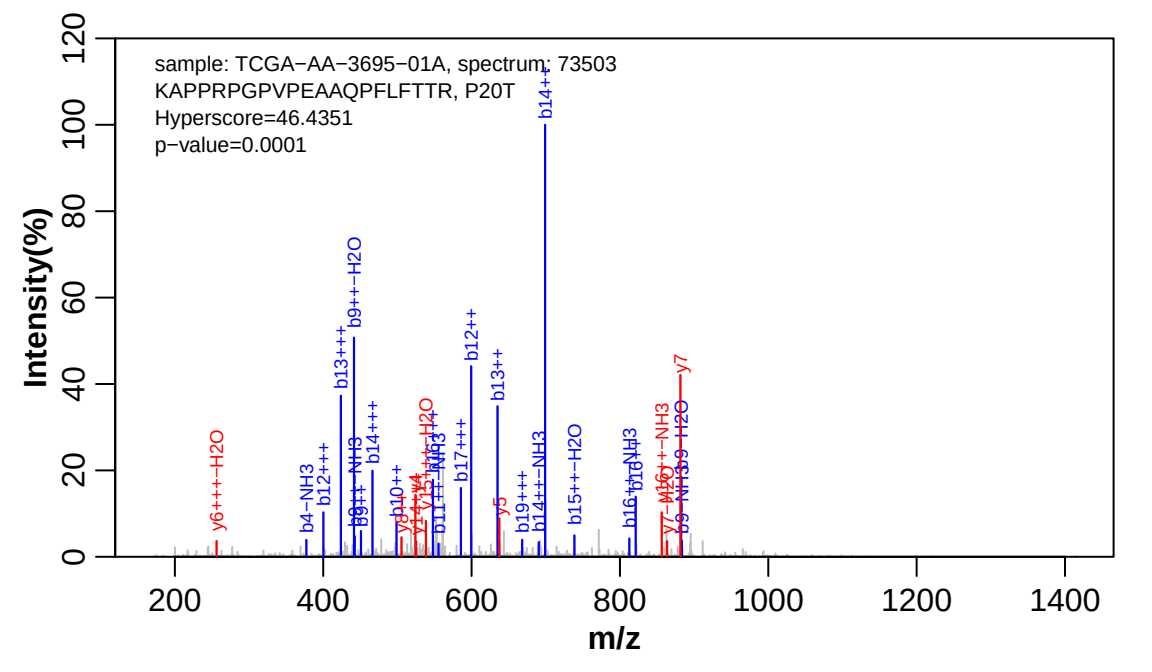

sample: TCGA−AA−3695−01A, spectrum: 66621
GEAVLRPGLDSEPELSPEEQR, A11S
Hyperscore=56.4616
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5++
b5
y4++−H2O
b6
b12++
y5
y6
b14++
b15++
b16++−H2O
b16++
y15++
y7
b9
y16++
b18++
y17++−H2O
y8
b19++
y18++
b12
y9

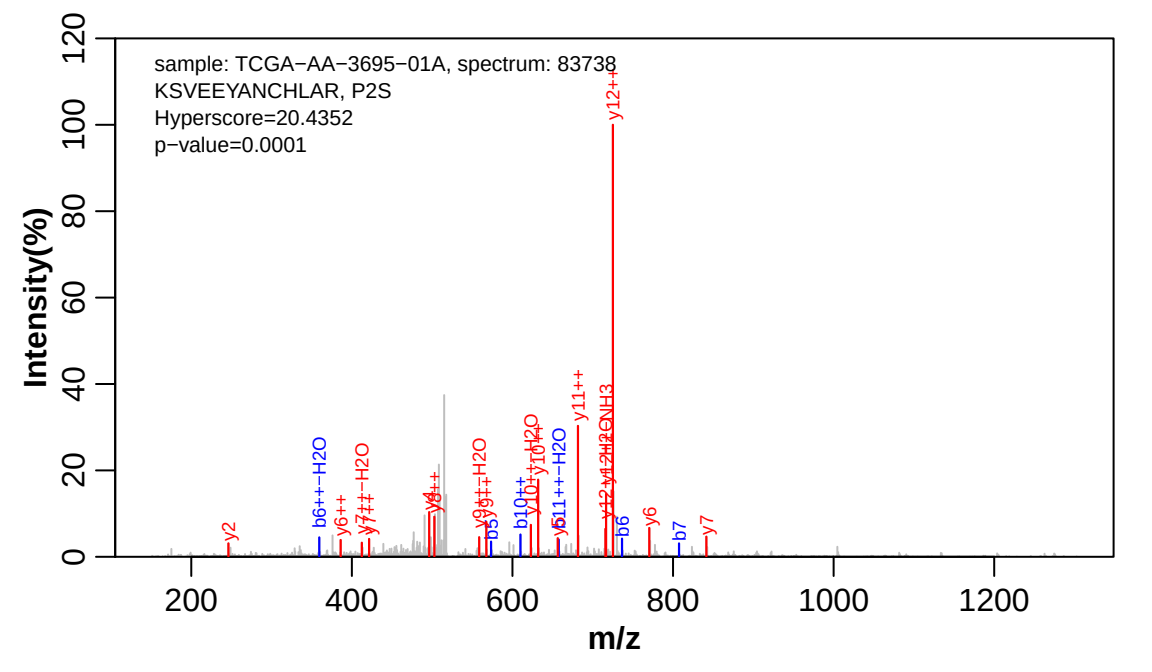

sample: TCGA−AA−3695−01A, spectrum: 12672
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=68.7734
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y3
y5−H2O
y6
b9
b10
y10−NH3
b12

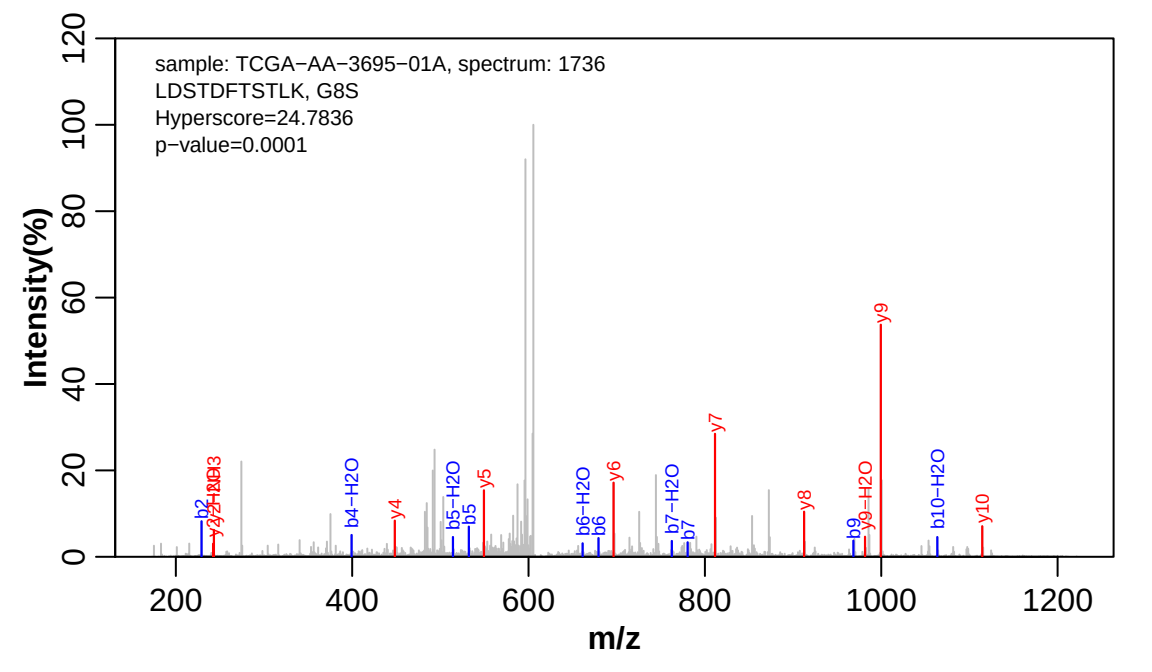

sample: TCGA−AA−3695−01A, spectrum: 12957
GLLDLLEER, V3I
Hyperscore=37.3066
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y6
y4
y7
y3
b5
b6
y5
y2
b4−NH3
b4
y3−NH3
y3−H2O
b5−NH3
b5−H2O
b6−NH3
b6−H2O
y5−H2O
b7−H2O
y6−H2O
b7
y7−H2O
b8
y2−H2O
y1
b2

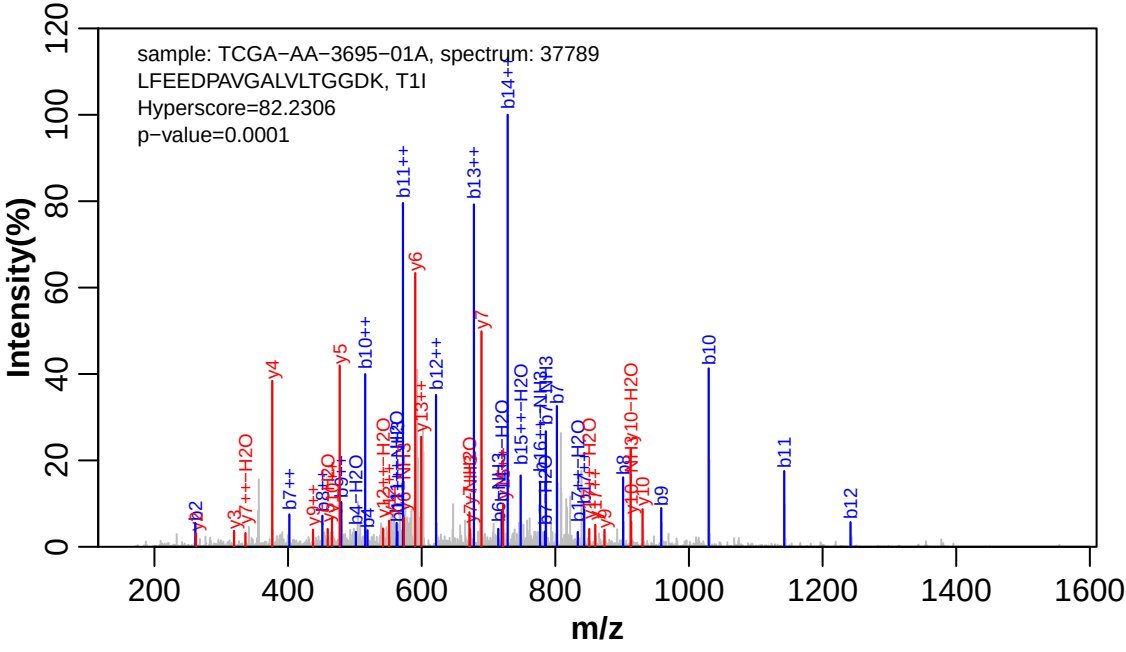

sample: TCGA−AA−3695−01A, spectrum: 45925
GQTGALLQNTVESLSK, D9N
Hyperscore=47.5292
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y4
y5
y6
y3
y14
b15−NH3
b13−NH3

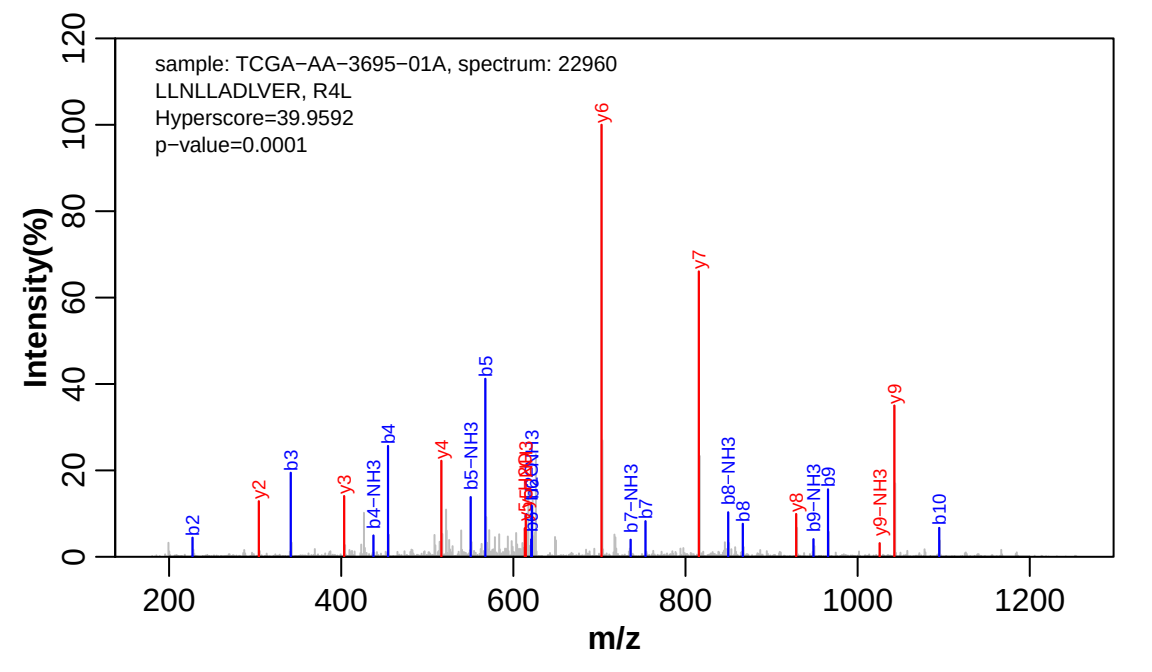

sample: TCGA−AA−3695−01A, spectrum: 79358
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=51.4865
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b12
b6−NH3
y7
b15++−NH3
b5++−NH3
y3
y8++
y4
b5
b5−H2O
y5−NH3
b1++−NH3
b14++
y17++−NH3
b18++−H2O

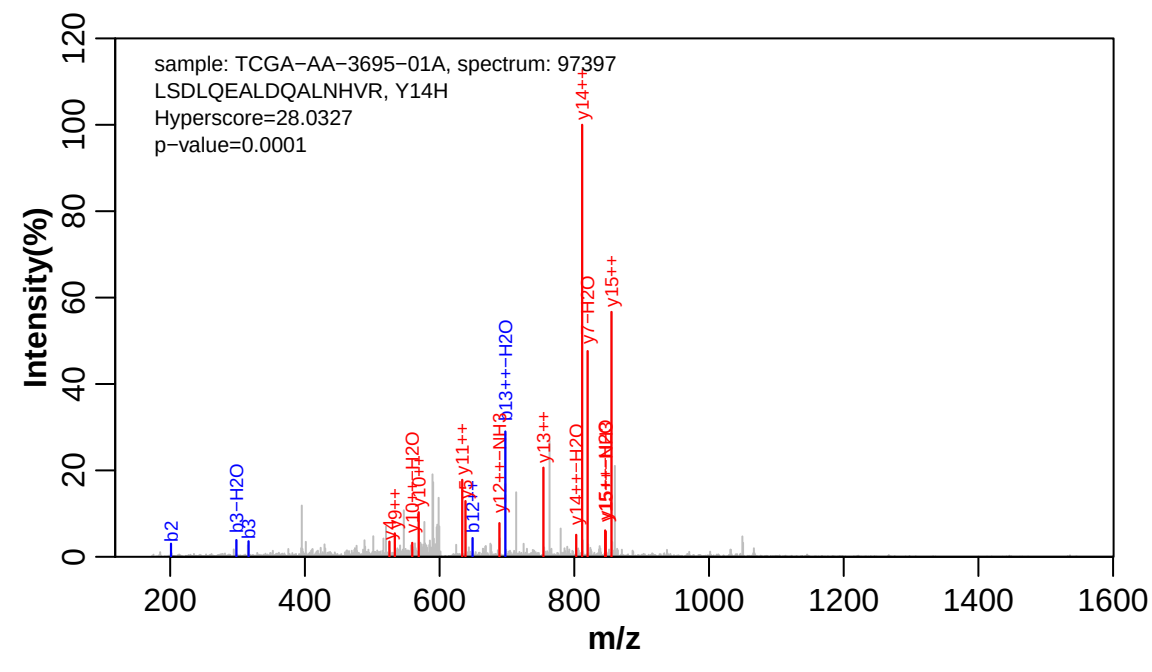

sample: TCGA−AA−3695−01A, spectrum: 73503
KAPPRPGPVPEAAQPFLFTTR, P20T
Hyperscore=46.4351
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b14+++
y6+++−H2O
b4−NH3
b12+++
b13+++
b9++−H2O
b9++−NH3
b14+++
b10++
b11++−NH3
b17+++
b12++
b13++
y5
b19+++
b14++−NH3
b15++−H2O
b16++−NH3
b16++
y7−NH3
y7
b8−NH3−H2O

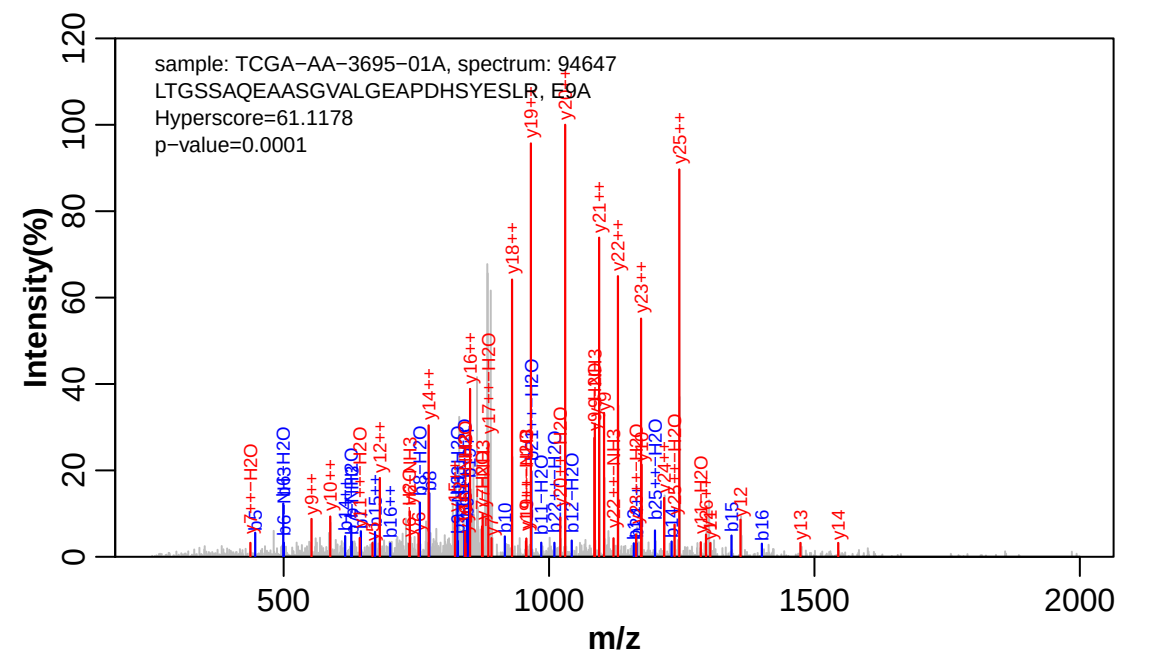

sample: TCGA−AA−3695−01A, spectrum: 83738
KSVEEYANCHLAR, P2S
Hyperscore=20.4352
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y12++
y11++
y2
b6++−H2O
y6++
y7++−H2O
y8++
b5++−H2O
b10++
y10++−H2O
y11++−H2O
y12++−NH3
b6
y6
b7
y7

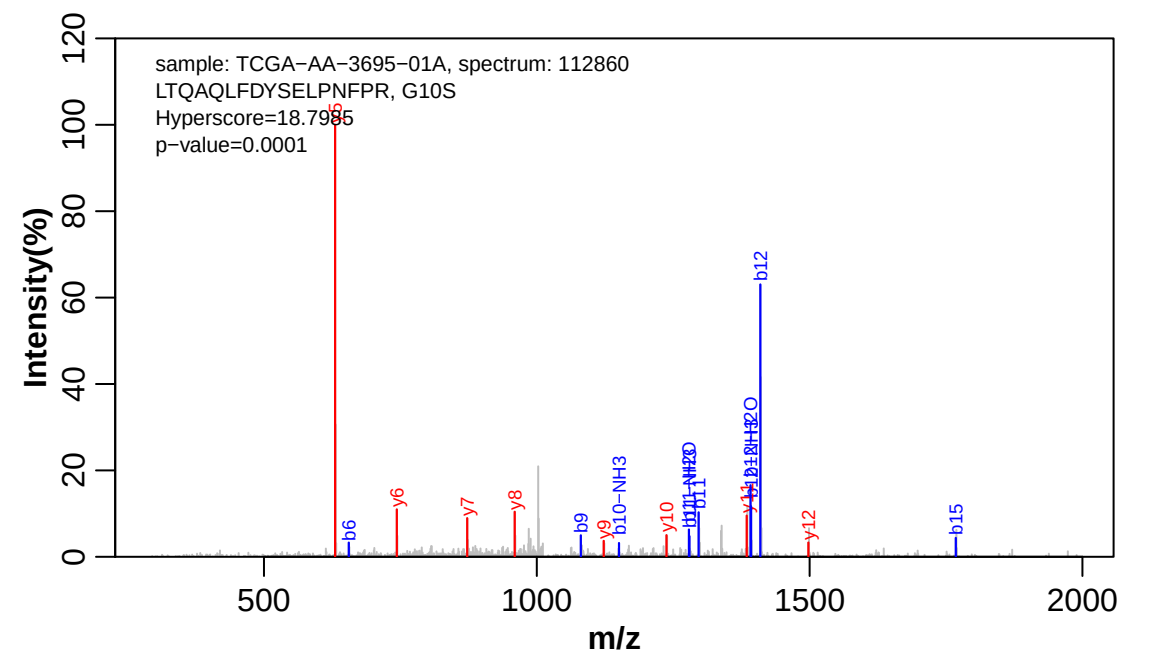

sample: TCGA−AA−3695−01A, spectrum: 1736
LDSTDFTSTLK, G8S
Hyperscore=24.7836
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
b9
y9−H2O
y9
b10−H2O
y10

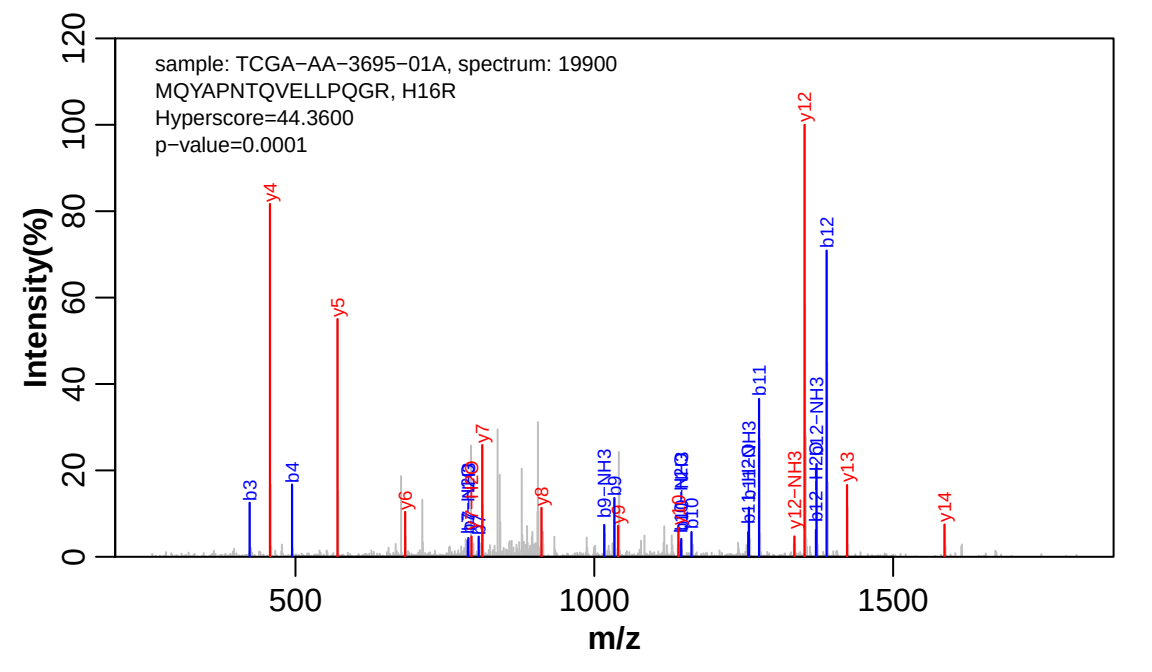

sample: TCGA−AA−3695−01A, spectrum: 37789
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=82.2306
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b14++
b11++
b13++
y6
y7
y4
y5
b10++
b12++
y13++
b10
b11
b12
b9
b7++
y7++−H2O
b15++−H2O
b10−H2O
b4−H2O
b4
y2
y3

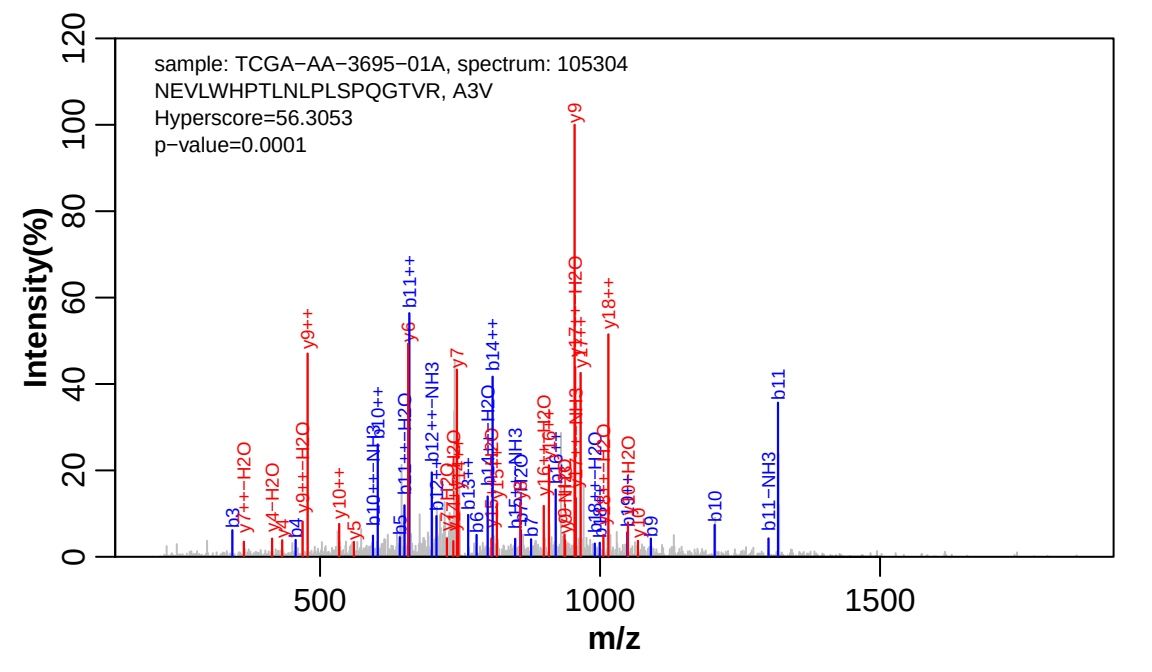

sample: TCGA−AA−3695−01A, spectrum: 22960
LLNLLADLVER, R4L
Hyperscore=39.9592
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
b7−NH3
b7
y6
y7
b8−NH3
b8
y8
b9−NH3
b9
y9−NH3
y9
b10

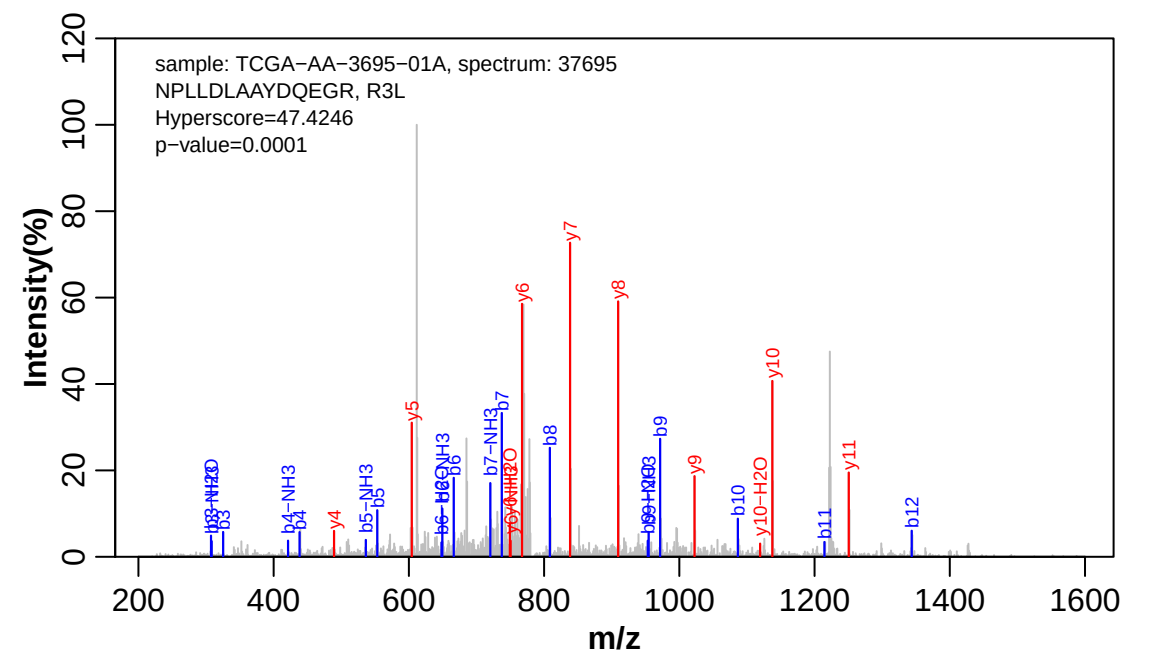

sample: TCGA−AA−3695−01A, spectrum: 97397
LSDLQEALDQALNHVR, Y14H
Hyperscore=28.0327
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
b3
y9++
y10++
y10++−H2O
y11++
b12++
y12++−NH3
b13++−H2O
y13++
y14++−H2O
y14++
y7−H2O
y15++

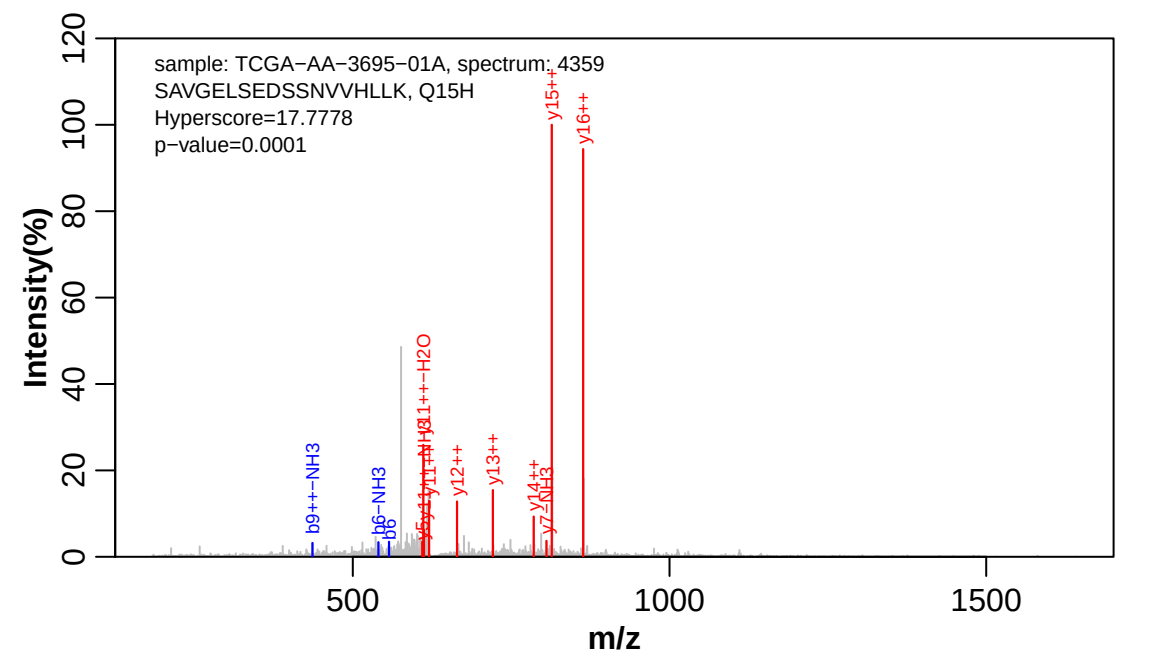

sample: TCGA−AA−3695−01A, spectrum: 94647
LTGSSAQEAASGVALGEAPDHSYESLR, E9A
Hyperscore=61.1178
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y19++
y20++
y25++
y21++
y22++
y23++
y18++
y16++
y14++
y12++
y10++
y9++
b5
b6
b10
b11−H2O
b12−H2O
b15
b16
y12
y13
y14

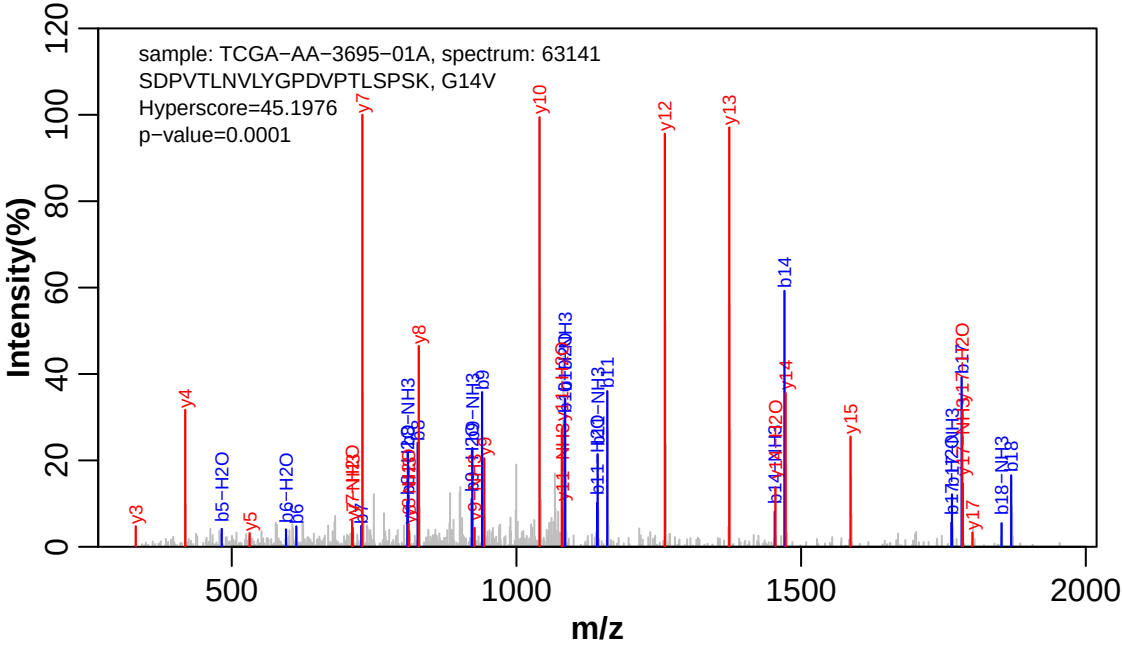

sample: TCGA−AA−3695−01A, spectrum: 112860
LTQAQLFDYSELPNFPR, G10S
Hyperscore=18.7985
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b6
y6
y7
y8
b9
y9
b10−NH3
y10
b11−NH3
y11
b12
y12
b15

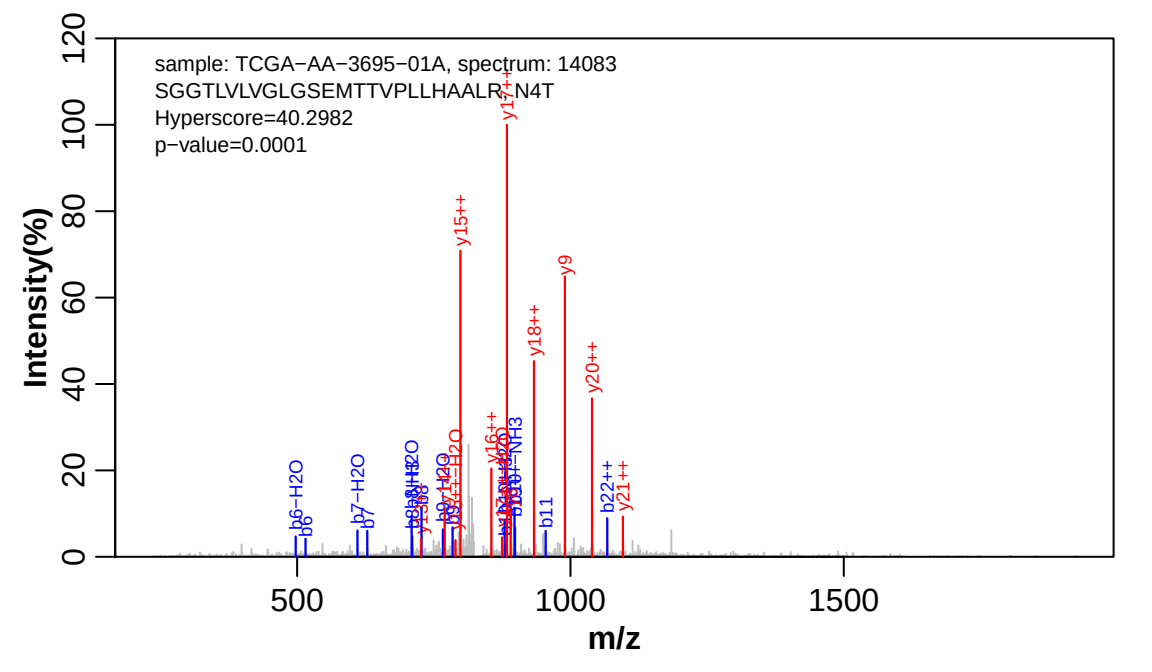

sample: TCGA−AA−3695−01A, spectrum: 19900
MQYAPNTQVELLPQGR, H16R
Hyperscore=44.3600
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4
y5
y12
b12
b3
b4
y6
y7
y8
b9−NH3
b9
y9
b11
y12−NH3
b12−NH3
y13
y14

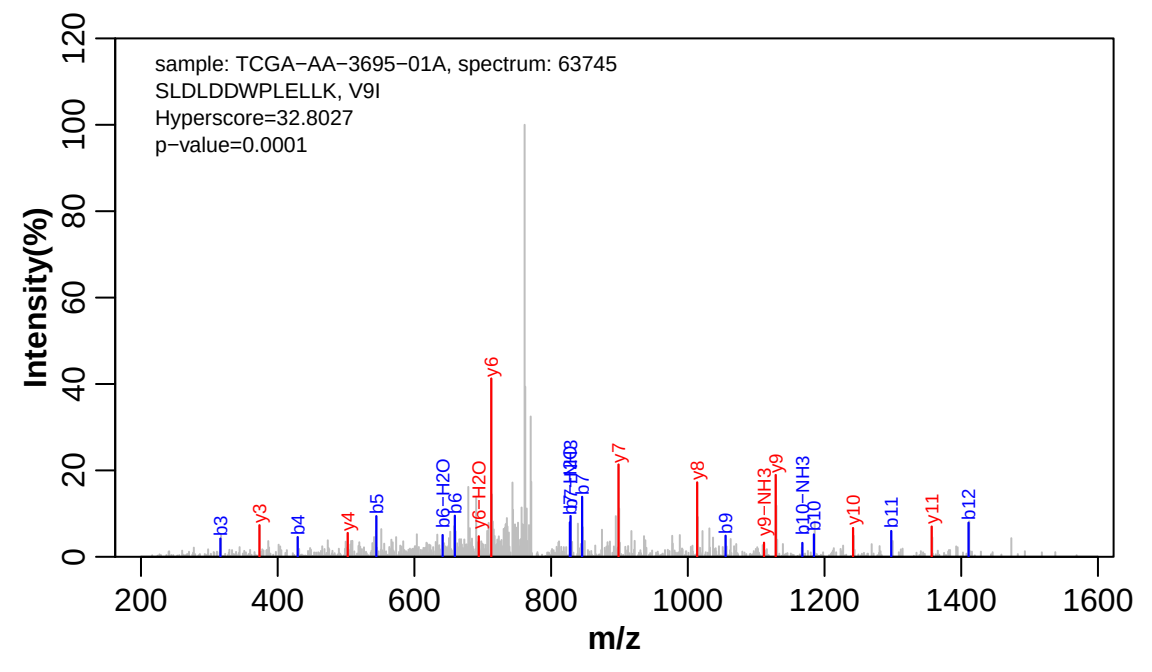

sample: TCGA−AA−3695−01A, spectrum: 105304
NEVLWHPTLNLPLSPQGTVR, A3V
Hyperscore=56.3053
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y7++−H2O
y4−H2O
b4
y9++−H2O
y9++
y10++
y5
b10++−NH3
b10++
b5
b11++−H2O
y6
b11++
b12++−NH3
y7
b13++
b6
b14++−H2O
b14++
b7
y16++−H2O
y17++−NH3
y17++−H2O
y9
y18++
b8++−H2O
b10++H2O
b9
b10
b11−NH3
b11

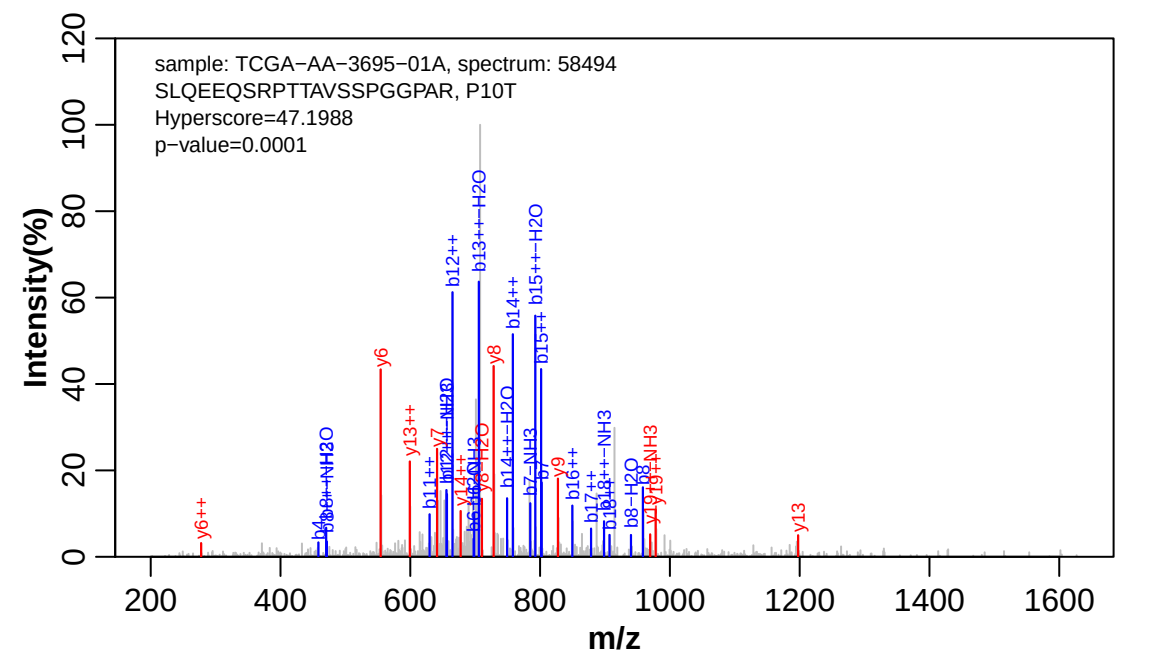

sample: TCGA−AA−3695−01A, spectrum: 37695
NPLLDLAAYDQEGR, R3L
Hyperscore=47.4246
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4
y5
y6
y7
y8
y9
y10
y11
b3
b4
b5
b6
b7
b8
b9
b10
b11
b12
b4−NH3
b5−NH3
b7−NH3
y10−H2O

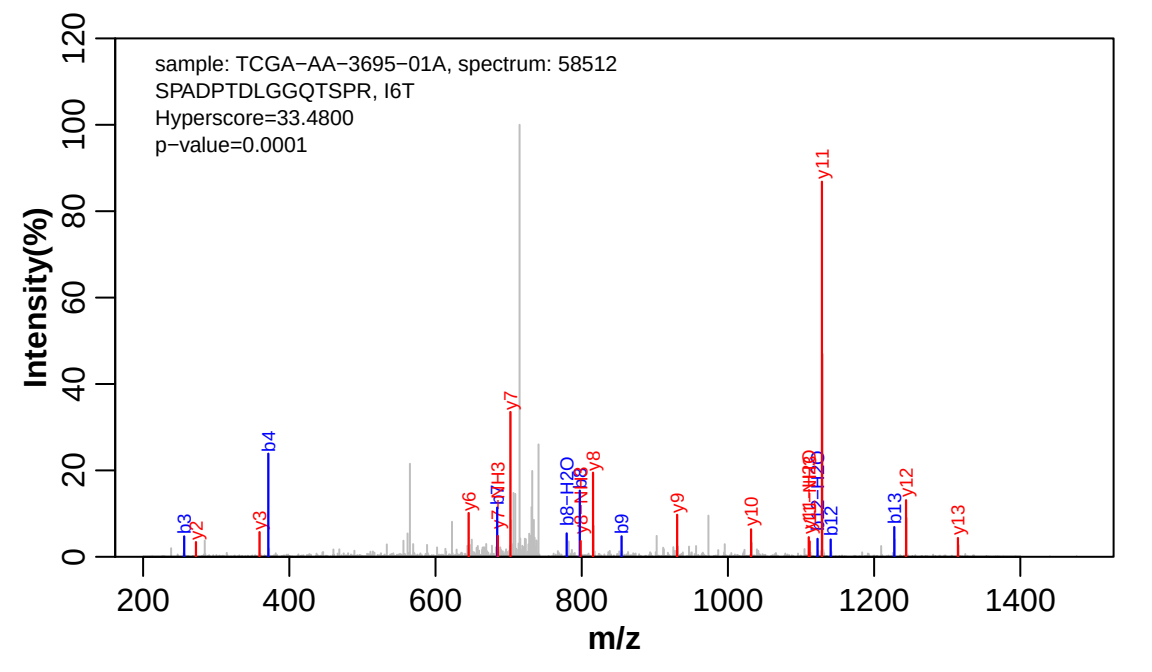

sample: TCGA−AA−3695−01A, spectrum: 4359
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7778
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9++−NH3
b6−NH3
b6
y11++−H2O
y12++
y13++
y14++
y15++
y16++

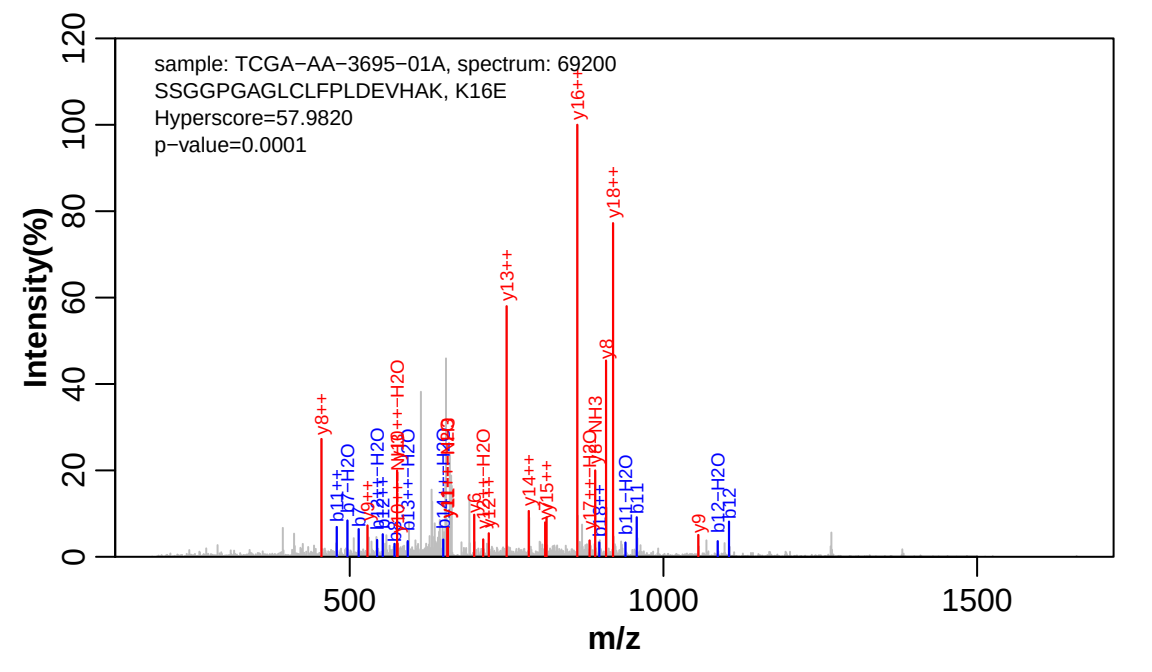

sample: TCGA−AA−3695−01A, spectrum: 63141
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=45.1976
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
b5−H2O
y5
b6−H2O
y7
y8
y10
y12
y13
b14
y14
y15
y17
b18−NH3

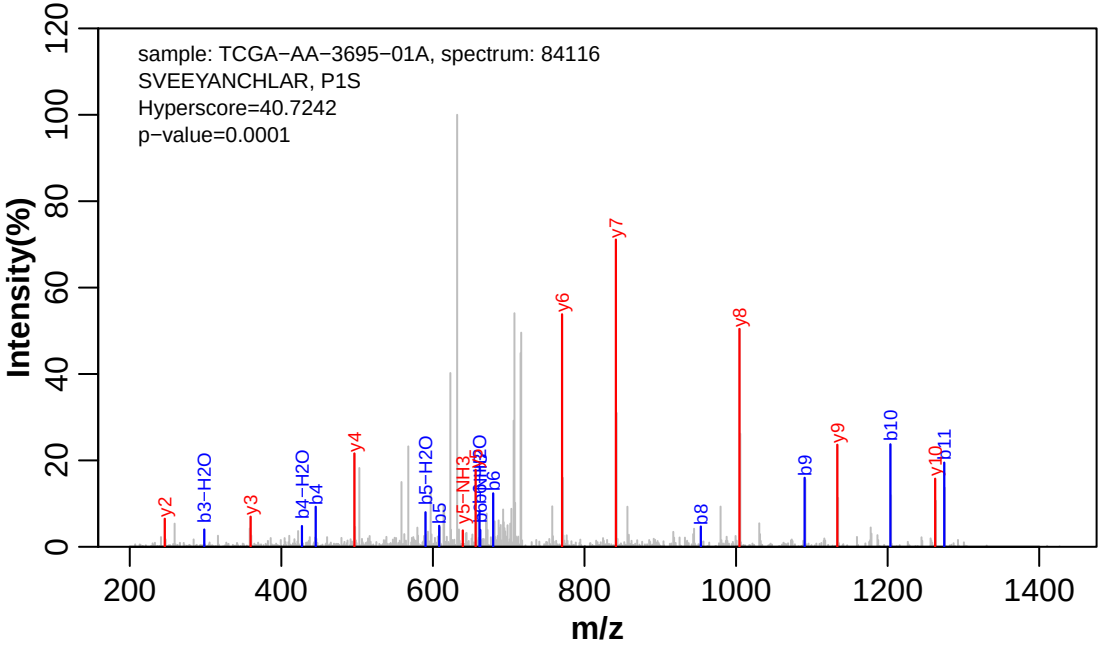

sample: TCGA−AA−3695−01A, spectrum: 14083
SGGTLVLVGLGSEMTTVPLLHAALR_N4T
Hyperscore=40.2982
p−value=0.0001
Intensity(%)
m/z
y17++
y15++
y9
y18++
y20++
y16++
b11
b22++
y21++
b6−H2O
b7−H2O

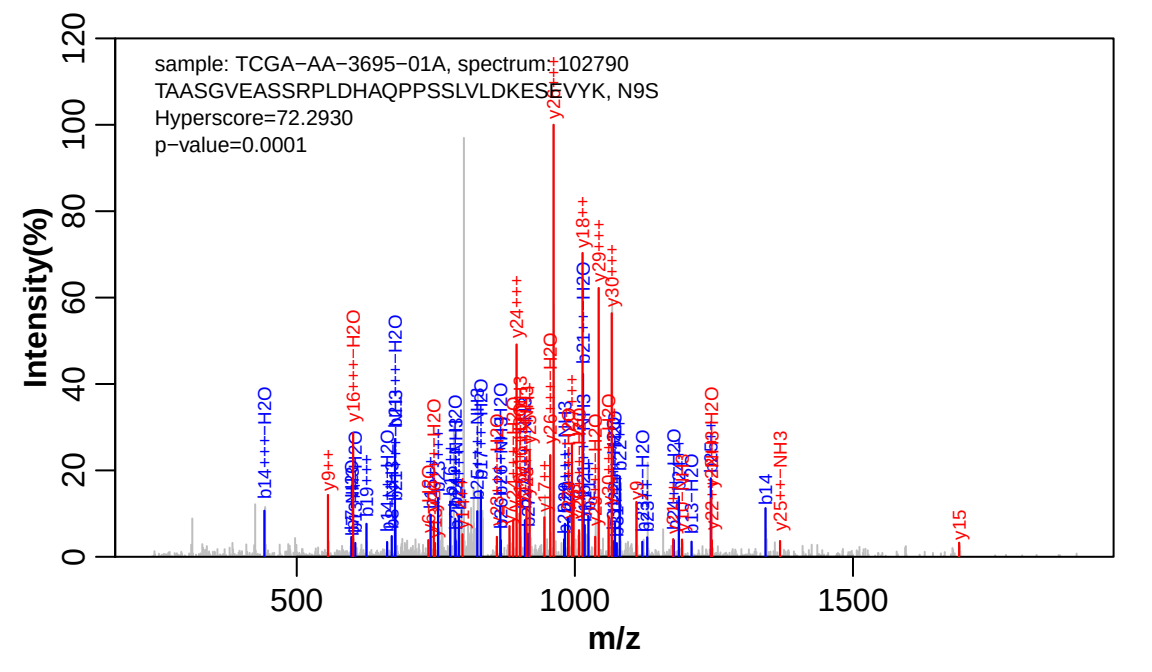

sample: TCGA−AA−3695−01A, spectrum: 63745
SLDLDDWPLELLK, V9I
Hyperscore=32.8027
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b4
y4
b5
b6−H2O
b6
y6−H2O
y6
b7−H2O
b7
y7
y8
b9
y9−NH3
y9
b10−NH3
b10
y10
b11
y11
b12

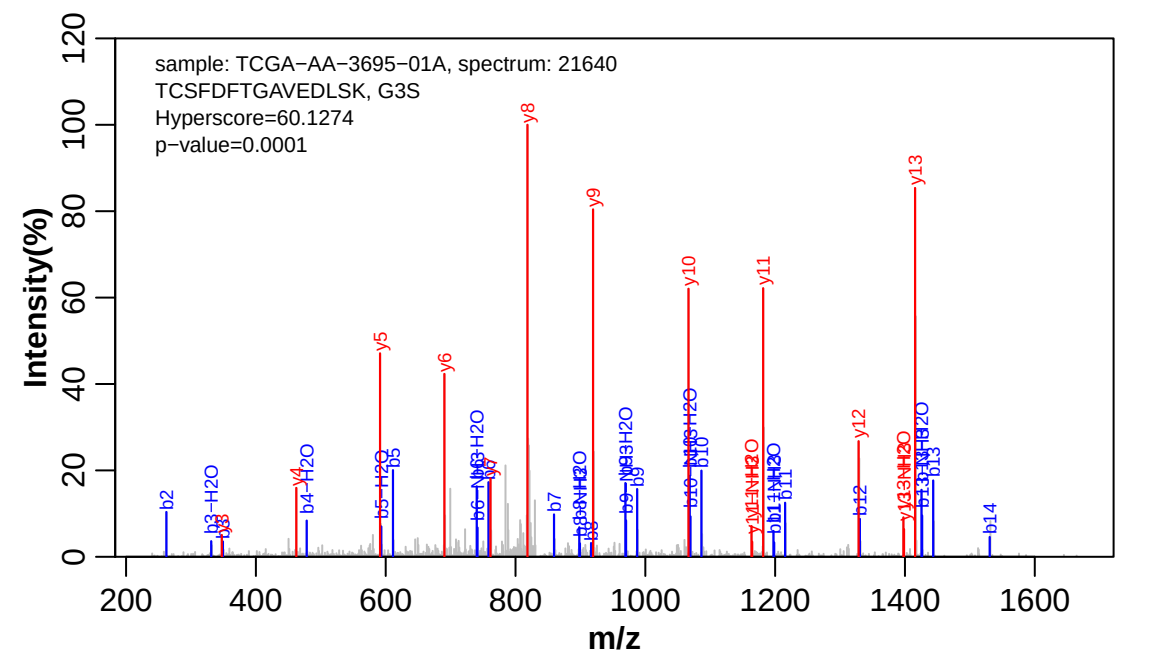

sample: TCGA−AA−3695−01A, spectrum: 58494
SLQEEQSRPTTAVSSPGGPAR, P10T
Hyperscore=47.1988
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6++
y6
y13++
b11++
b12++
b13++−H2O
b14++
b14++−H2O
b15++−H2O
y8
y9
b16++
b17++
b18++−NH3
b8−H2O
y19++−NH3
y13

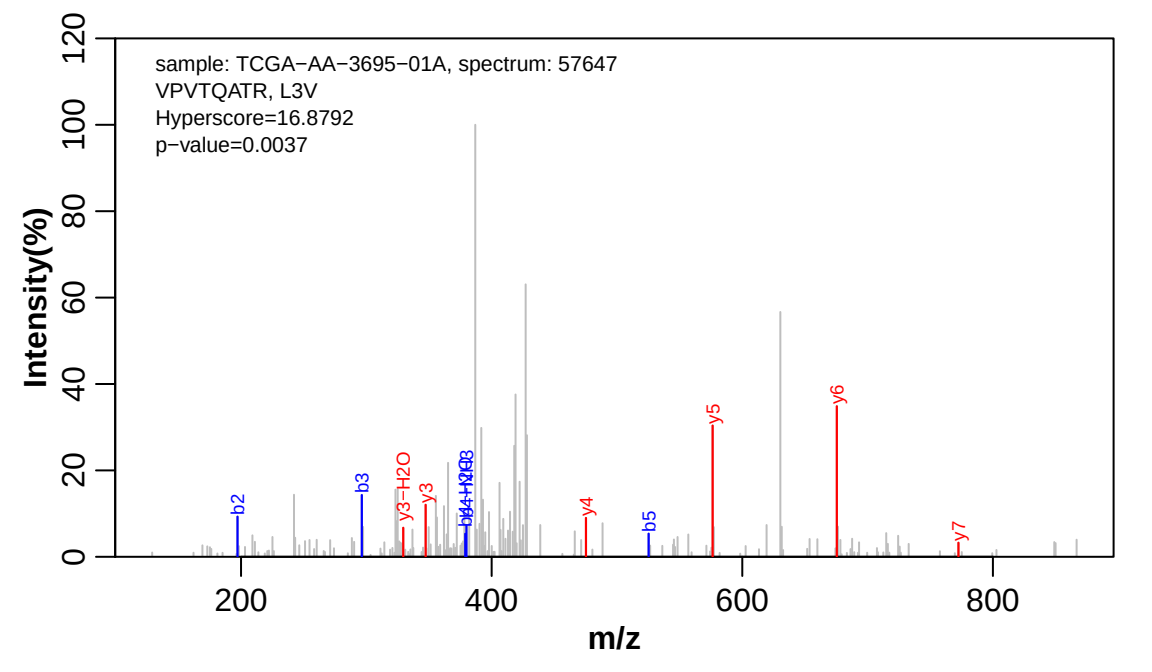

sample: TCGA−AA−3695−01A, spectrum: 58512
SPADPTDLGGQTSPR, I6T
Hyperscore=33.4800
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y6
y7
y7-NH3
y7
b8−H2O
y8-NH3
y8
b9
y9
y10
y11-NH3
y11-H2O
y11
b12
b13
y12
y13

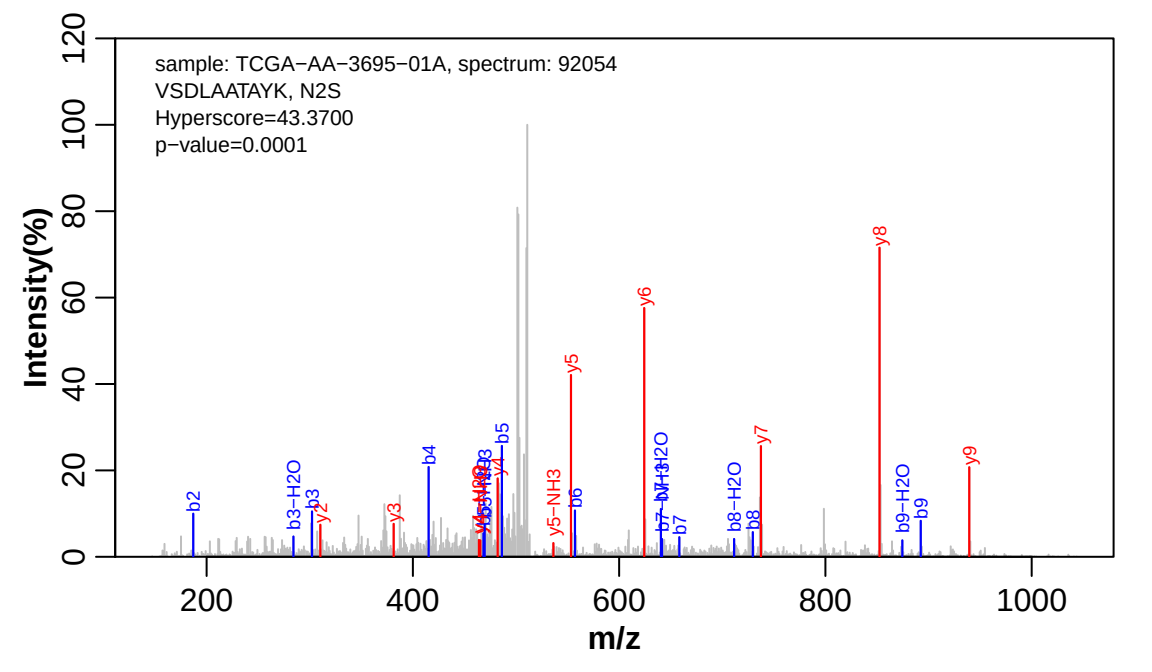

sample: TCGA−AA−3695−01A, spectrum: 69200
SSGGPGAGLCLFPLDEVHAK, K16E
Hyperscore=57.9820
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16++
y18++
y8
y13++
y8++
y14++
y15++
y9
b12−H2O
b11−H2O
b11
b12

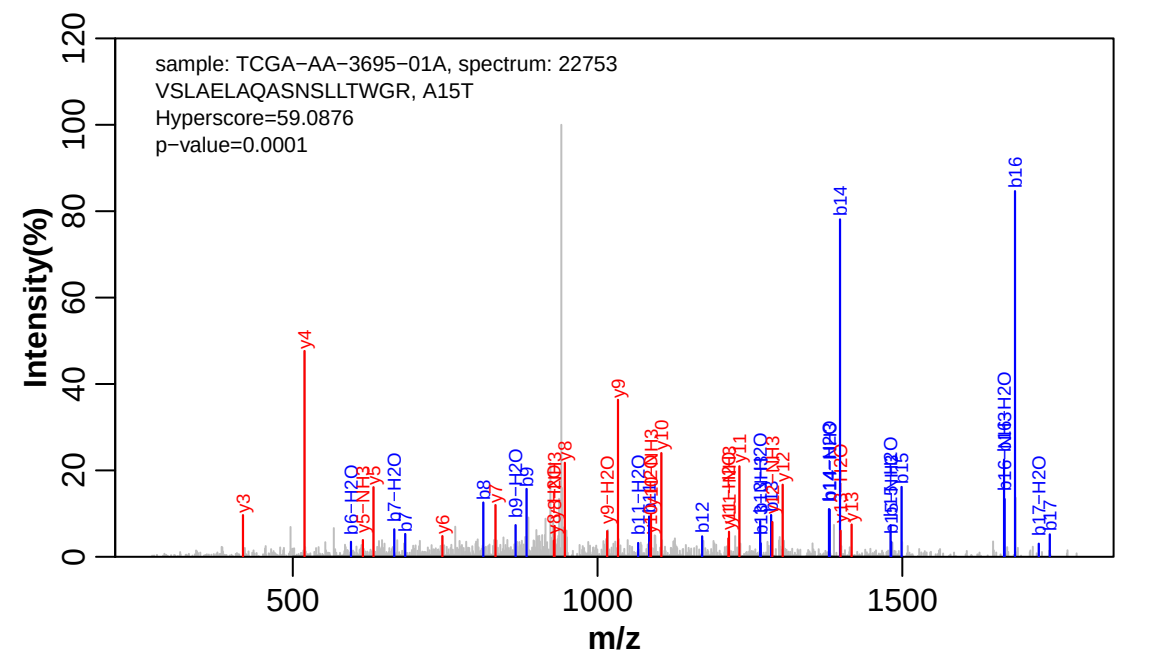

sample: TCGA−AA−3695−01A, spectrum: 84116
SVEEYANCHLAR, P1S
Hyperscore=40.7242
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3−H2O
y3
b4−H2O
b4
y4
b5−H2O
b5
y5−NH3
b6
y6
y7
b8
y8
b9
y9
b10
y10
b11

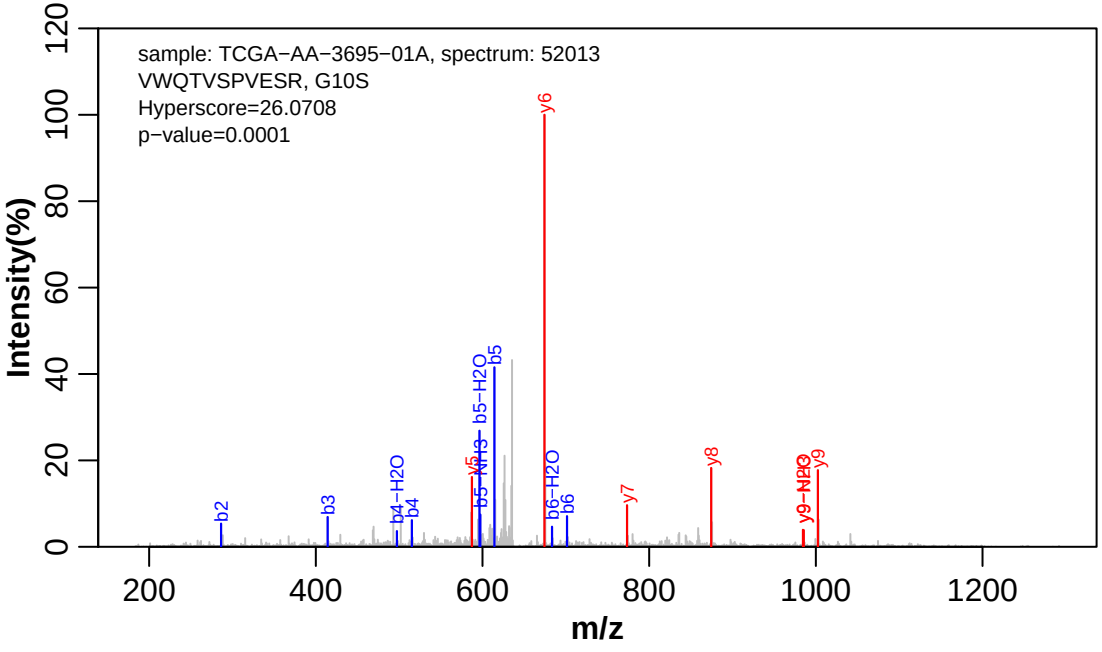

sample: TCGA−AA−3695−01A, spectrum: 102790
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=72.2930
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b14+++−H2O
y9++
y16+++−H2O
b19+++
b13+++−H2O
y24+++
y26+++
y18++
y29+++
y30+++
b21++−H2O
b14
y25++−NH3
y15

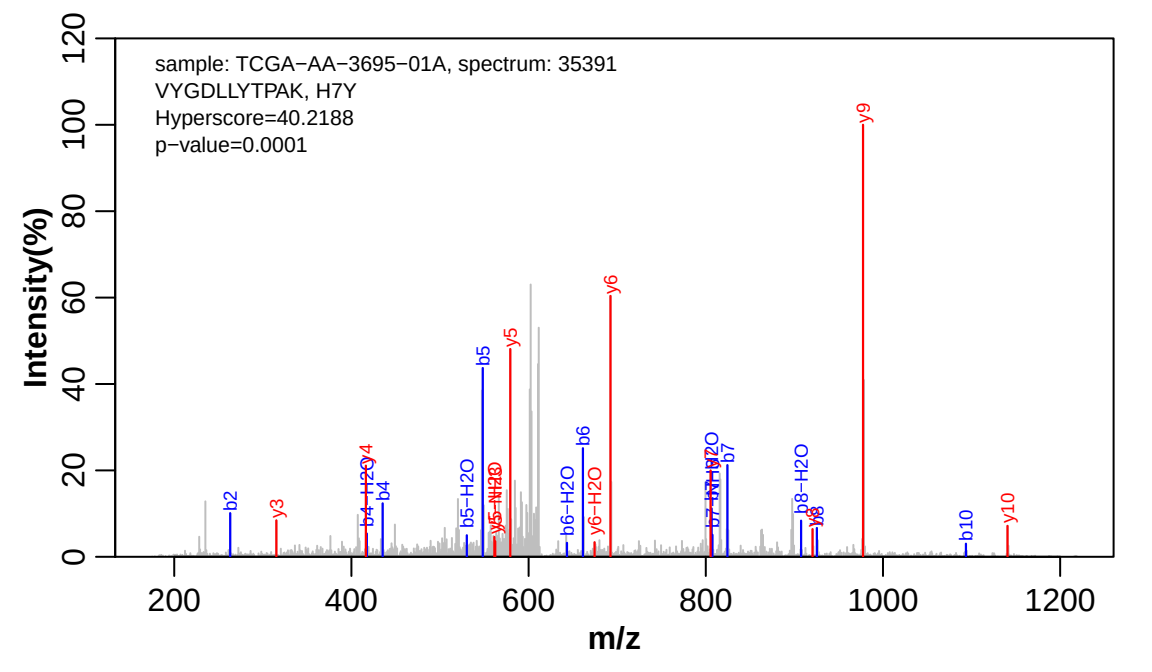

sample: TCGA−AA−3695−01A, spectrum: 21640
TCSFDFTGAVEDLSK, G3S
Hyperscore=60.1274
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
b3
y4
b4−H2O
y5
b5−H2O
b5
y6
b6−NH3−H2O
b6
y8
b7
b8−NH3−H2O
b8
y9
b9−NH3−H2O
b9
y10
b10−NH3−H2O
b10
y11−NH3−H2O
y11
b11−NH3−H2O
b11
y12
b12
y13−NH3−H2O
y13
b13−NH3−H2O
b13
b14

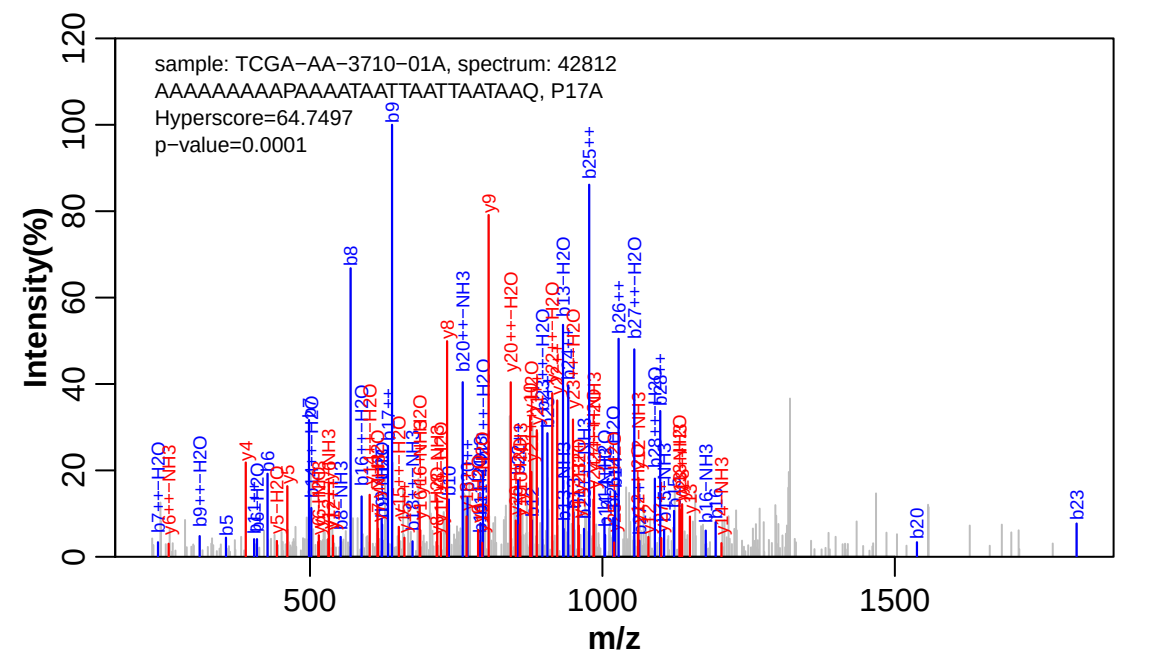

sample: TCGA−AA−3695−01A, spectrum: 57647
VPVTQATR, L3V
Hyperscore=16.8792
p−value=0.0037
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3−H2O
y3
y4
b5
y5
y6
y7

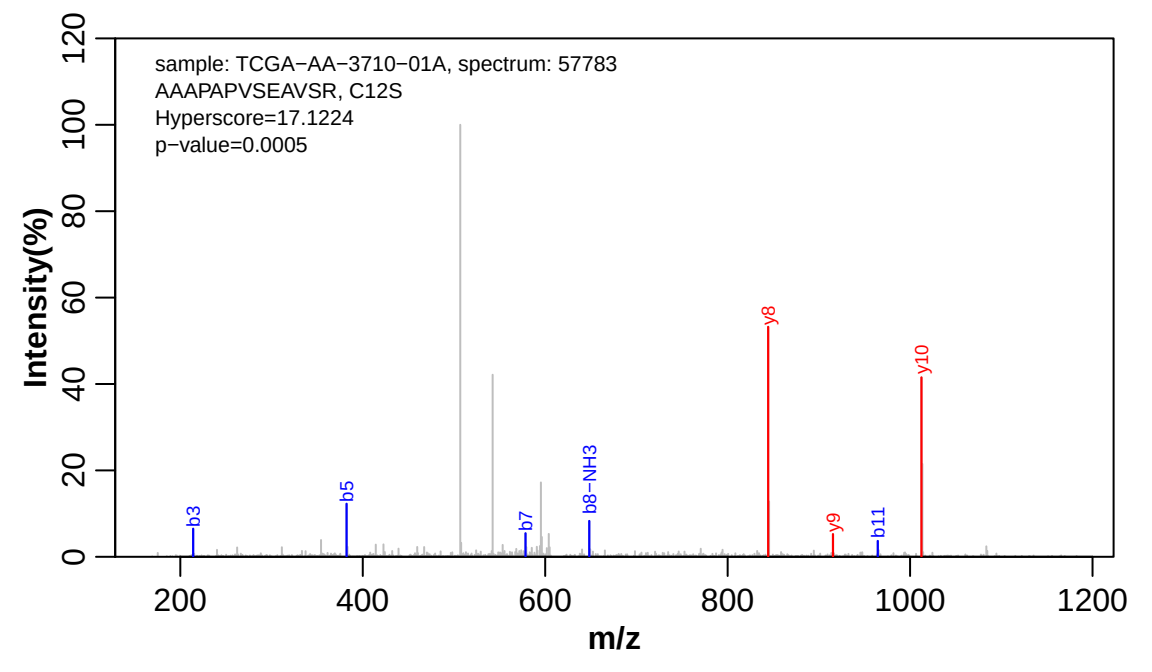

sample: TCGA−AA−3695−01A, spectrum: 92054
VSDLAATAYK, N2S
Hyperscore=43.3700
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4
b5
y4
y5−NH3
y5
b6
y6
b7−H2O
b7
b8−H2O
b8
y7
y8
b9−H2O
b9
y9

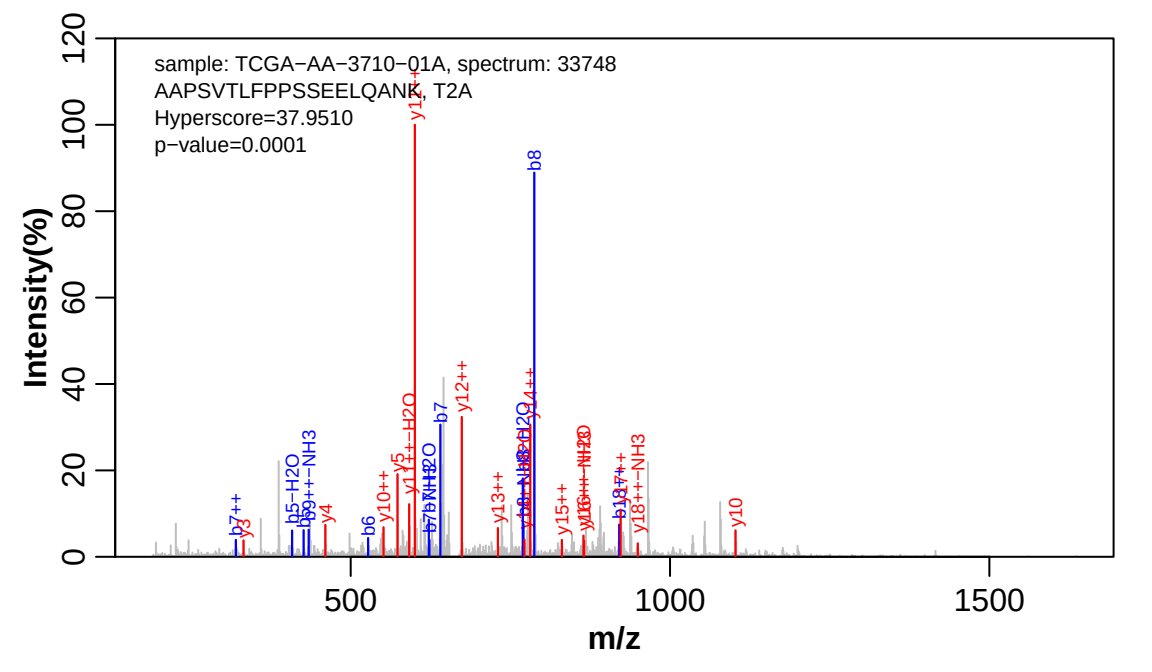

sample: TCGA−AA−3695−01A, spectrum: 22753
VSLAELAQASNSLLTWGR, A15T
Hyperscore=59.0876
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
b6−H2O
b7−H2O
y6
b8
y7
b9−H2O
b9
y8
y9
y9−H2O
b11−H2O
y10
b12
y11
y12
y13
b14
b14−H2O
b15
b16
b16−H2O
b17−H2O
b17

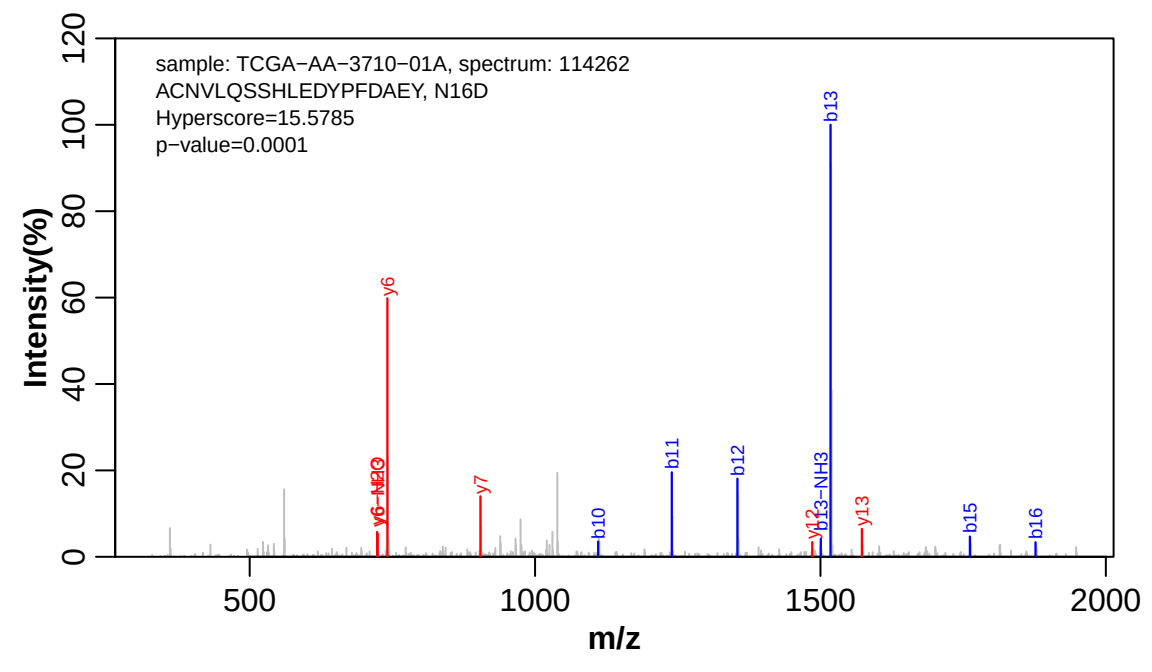

sample: TCGA−AA−3695−01A, spectrum: 52013
VWQTVSPVESR, G10S
Hyperscore=26.0708
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
b4−H2O
b4
y5
b5−NH3
b5−H2O
b5
y6
b6−H2O
b6
y7
y8
y9−NH3
y9
y9−H2O

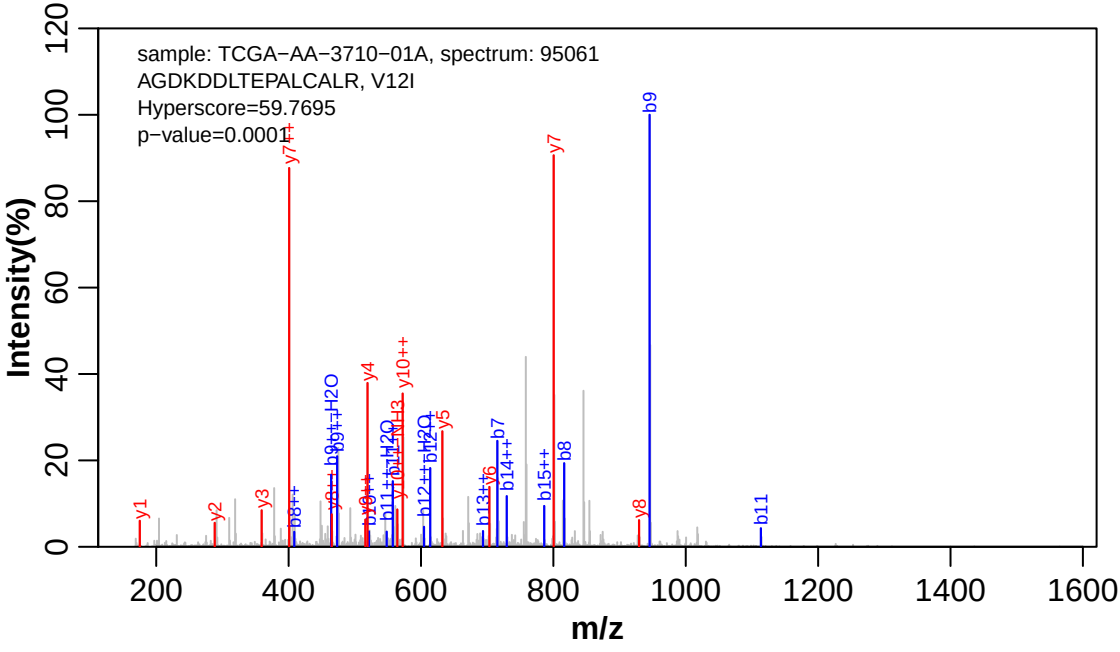

sample: TCGA−AA−3695−01A, spectrum: 35391
VYGDLLYTPAK, H7Y
Hyperscore=40.2188
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
b4−H2O
y4
b4
b5−H2O
b5
y5
b6−H2O
b6
y6−H2O
y6
b7
b8−H2O
y8
y9
b10
y10

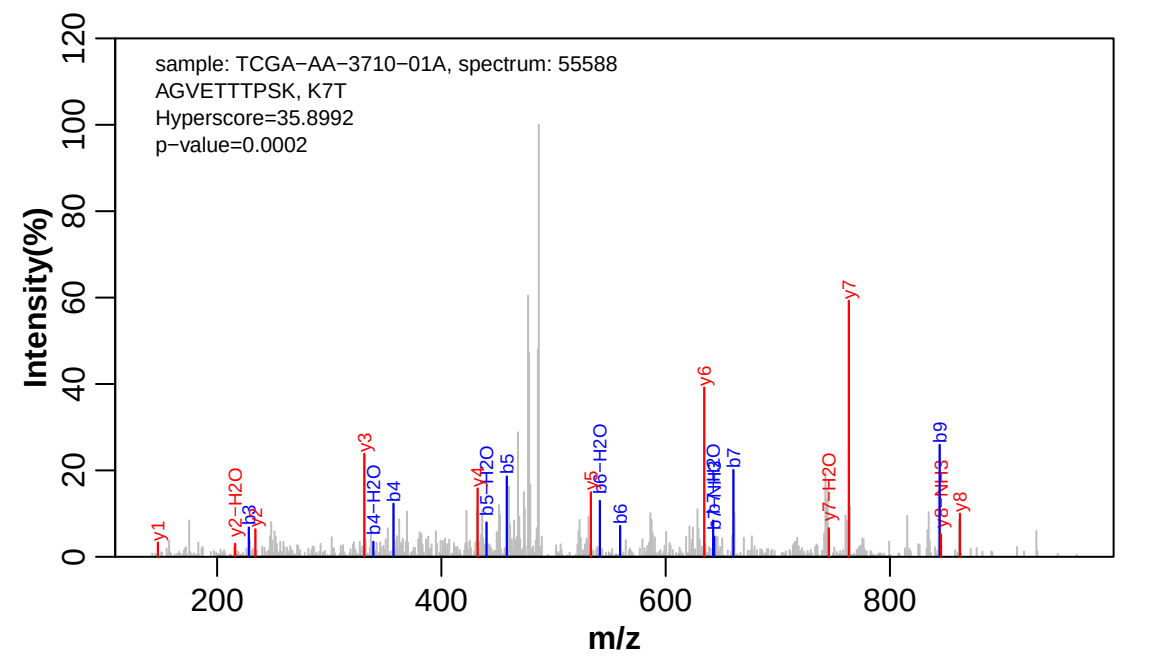

sample: TCGA−AA−3710−01A, spectrum: 42812
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=64.7497
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9
b8
y9
b25++
b26++
b27++−H2O
b20++−NH3
y20++−H2O
b23
b20
b5
y4
y5
b9++−H2O

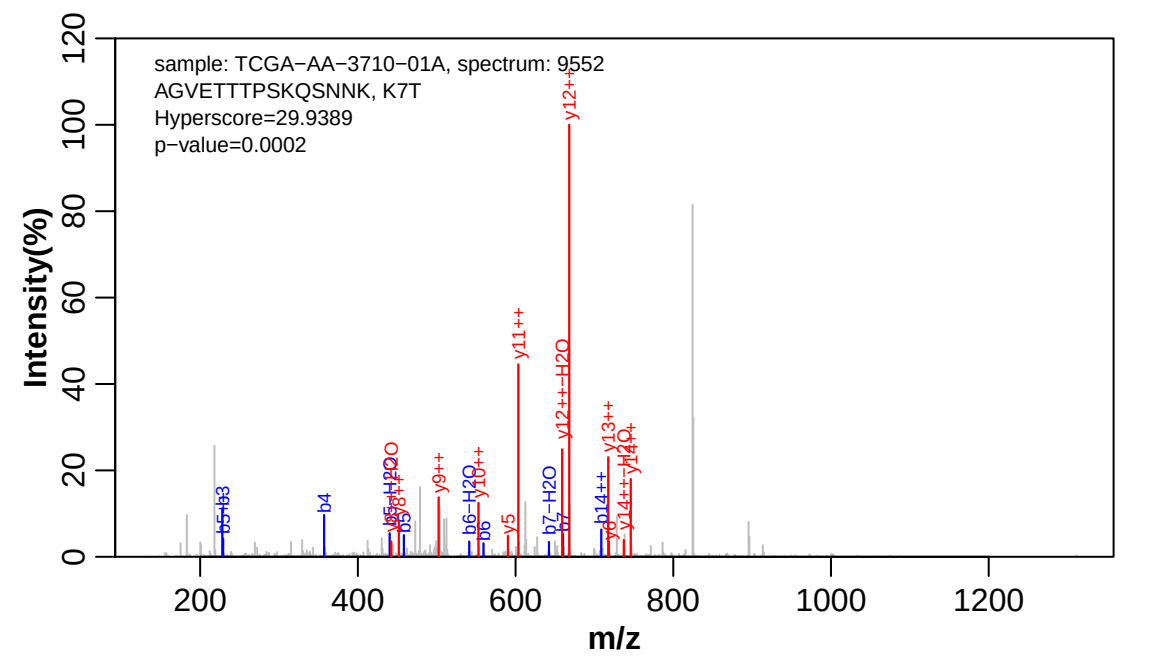

sample: TCGA−AA−3710−01A, spectrum: 57783
AAAPAPVSEAVSR, C12S
Hyperscore=17.1224
p−value=0.0005
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b3
b5
b7
b8−NH3
y8
y9
b11
y10

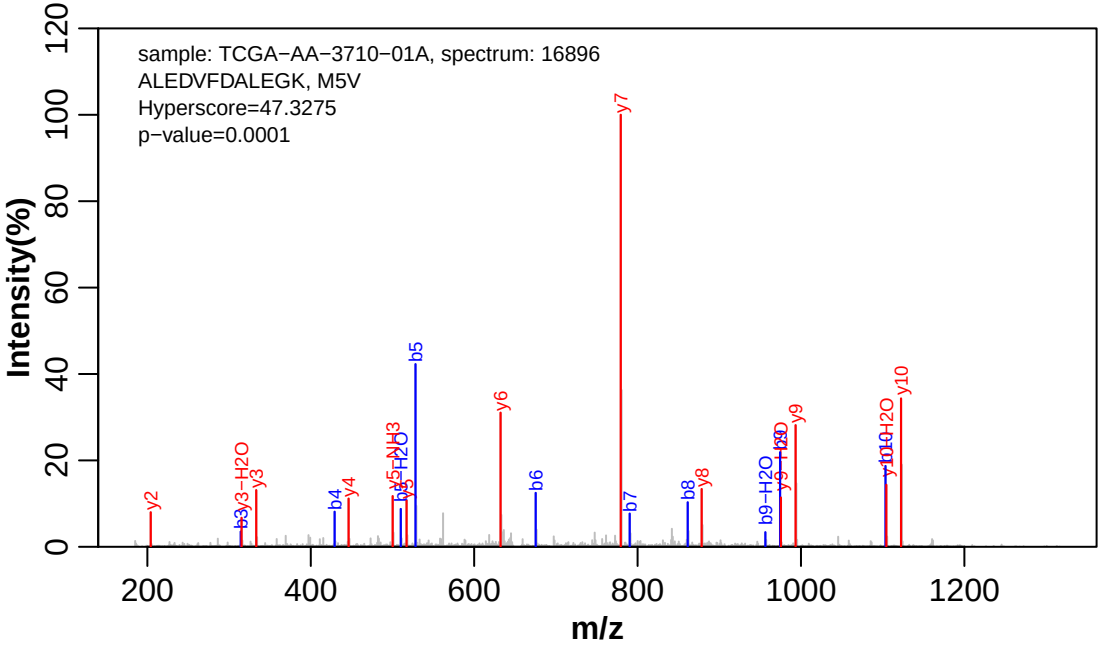

sample: TCGA−AA−3710−01A, spectrum: 33748
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=37.9510
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12++
b8
y12++
b7
y4
b6
y10++
y5
y13++
y15++
y10
b7++
y3

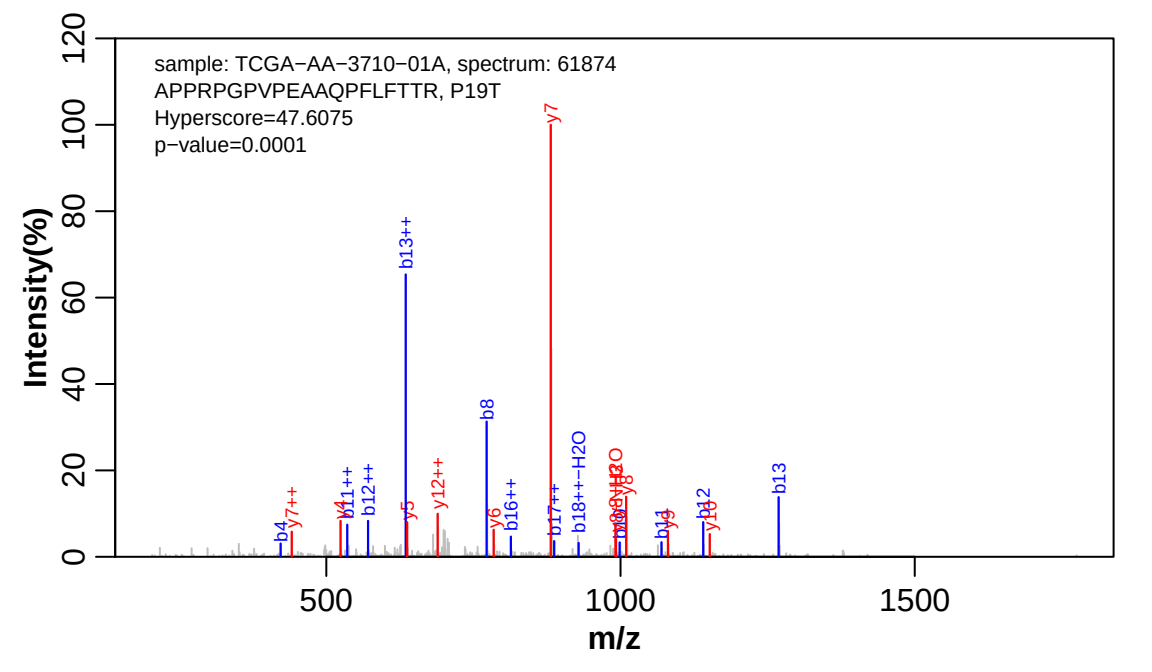

sample: TCGA−AA−3710−01A, spectrum: 114262
ACNVLQSSHLEDYPFDAEY, N16D
Hyperscore=15.5785
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
y6
y7
b10
b11
b12
b13
b13−NH3
y13
b15
b16

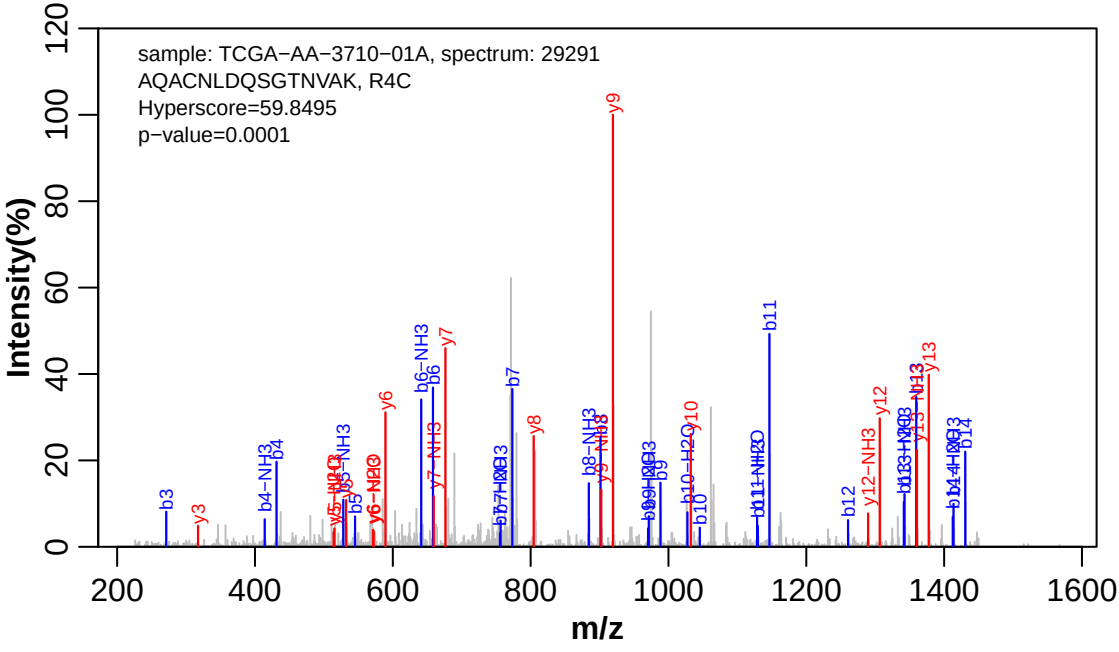

sample: TCGA−AA−3710−01A, spectrum: 95061
AGDKDDLTEPALCALR, V12I
Hyperscore=59.7695
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y1
y2
y3
b8++
y7++
y8++
b9++
b9++−H2O
y4
b10++
b11++−H2O
y10++
y12++−NH3
y12++−H2O
y5
b12++−H2O
b12++
b13++
y6
b7
b14++
b15++
b8
y7
b9
y8
b11

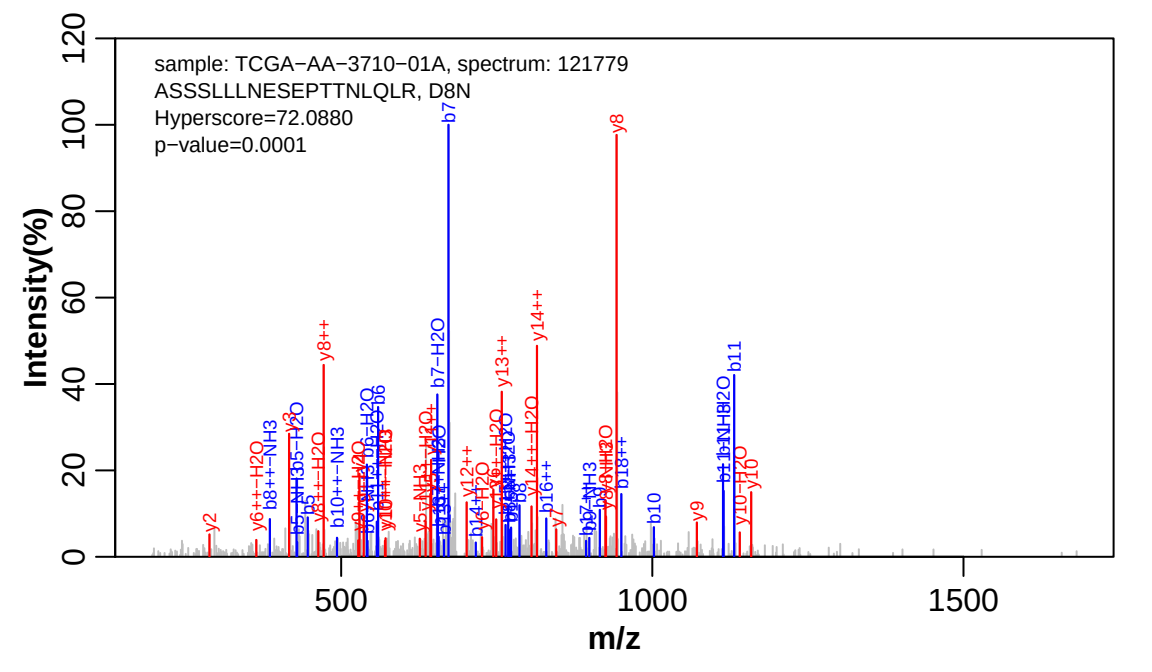

sample: TCGA−AA−3710−01A, spectrum: 55588
AGVETTTPSK, K7T
Hyperscore=35.8992
p−value=0.0002
Intensity(%)
m/z
y1
y2−H2O
b3
y2
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
y7−H2O
y8−NH3
b9
y8

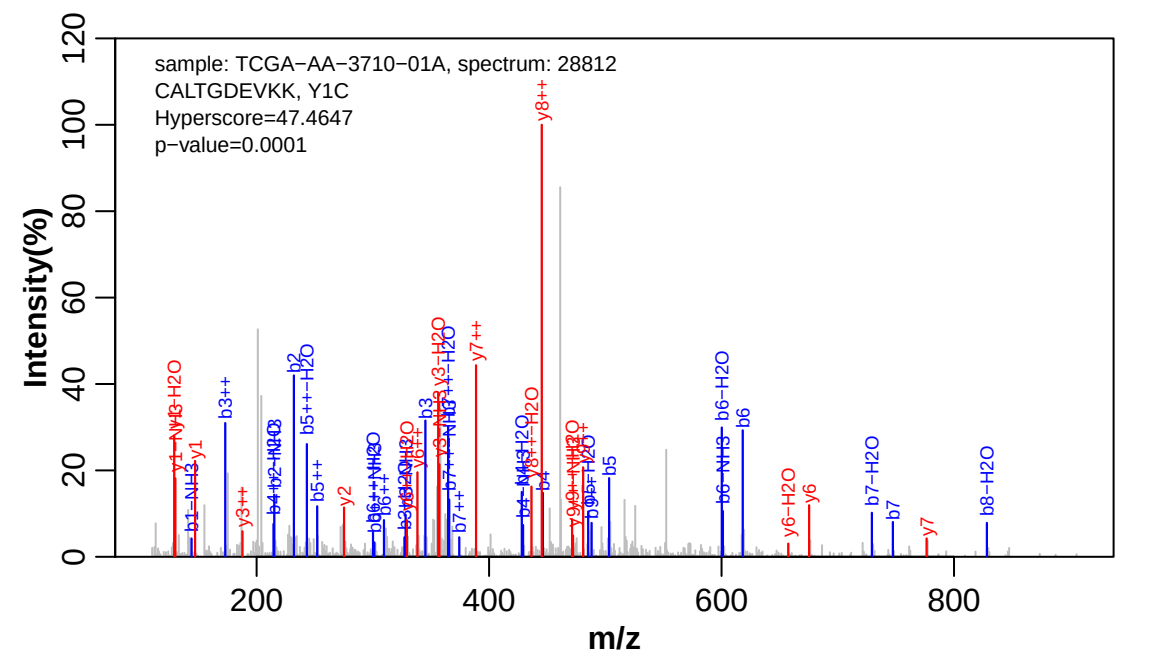

sample: TCGA−AA−3710−01A, spectrum: 9552
AGVETTTPSKQSNNK, K7T
Hyperscore=29.9389
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y12++
y11++
y12++−H2O
y13++
y14++
y14++−H2O
y9++
y10++
b6−H2O
b7−H2O
b14++
b5−b3
b4
b5−H2O
b5
b6
y5
b7

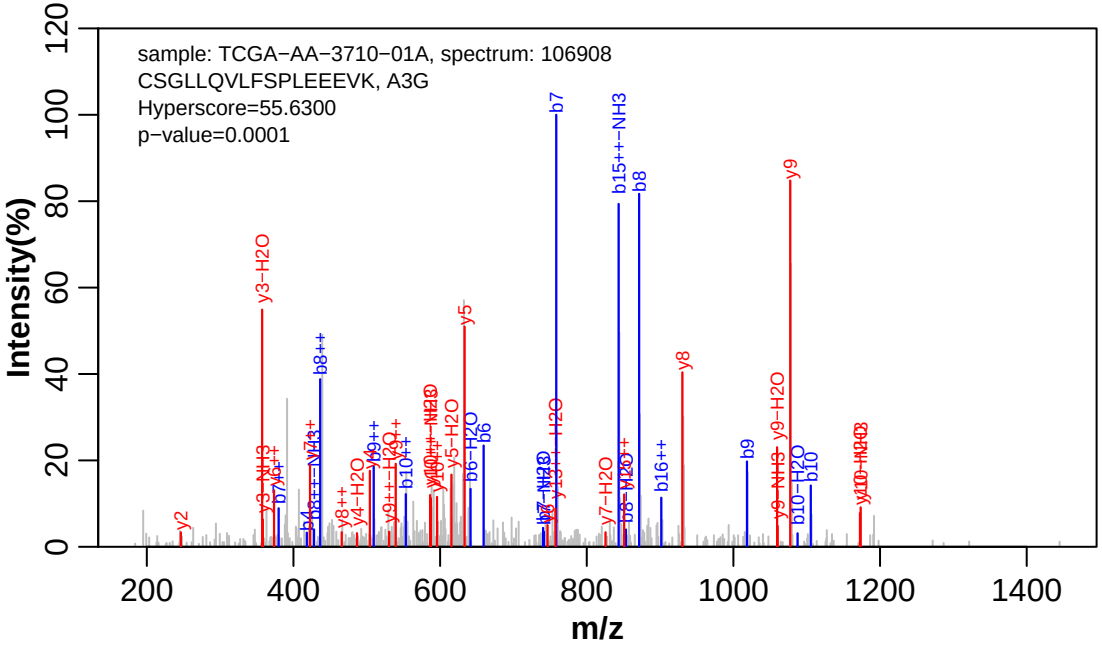

sample: TCGA−AA−3710−01A, spectrum: 16896
ALEDVFDALEGK, M5V
Hyperscore=47.3275
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3−H2O
y3
b4
y4
b5−NH3
b5−H2O
b5
y5
y6
b6
b7
y7
b8
y8
b9−H2O
y9−H2O
y9
y10−H2O
y10

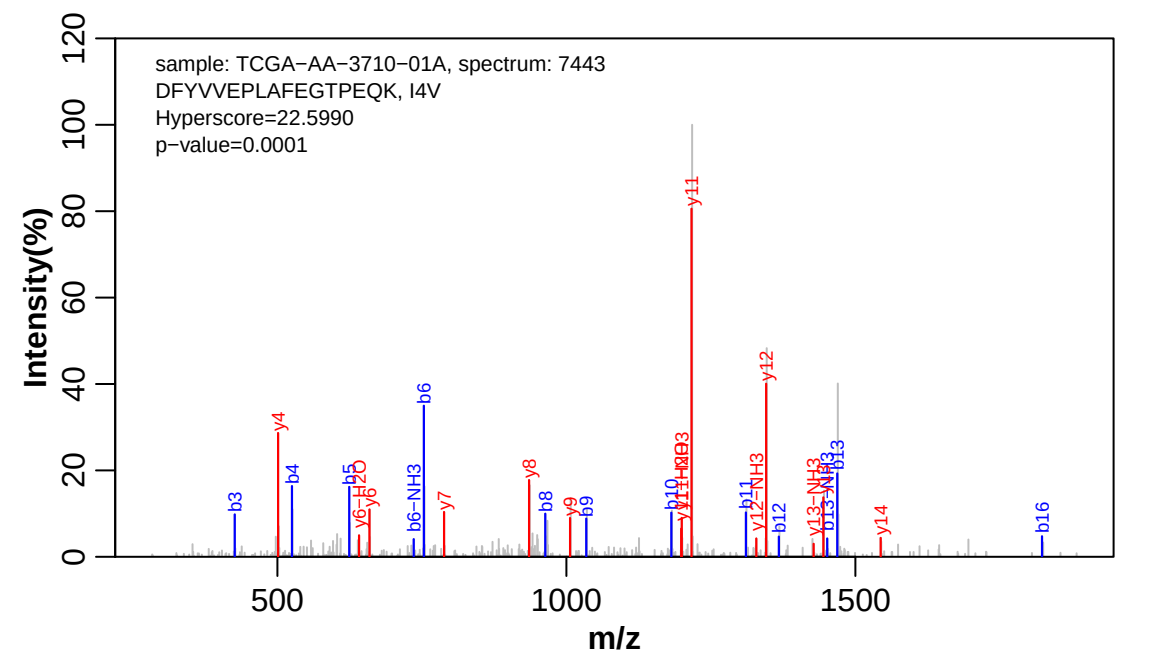

sample: TCGA−AA−3710−01A, spectrum: 61874
APPRPGPVPEAAQPFLFTTR, P19T
Hyperscore=47.6075
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y7++
b11++
b12++
y5
b13++
y12++
b8
y6
b16++
b17++
b18++−H2O
y8
b13
y10
y7

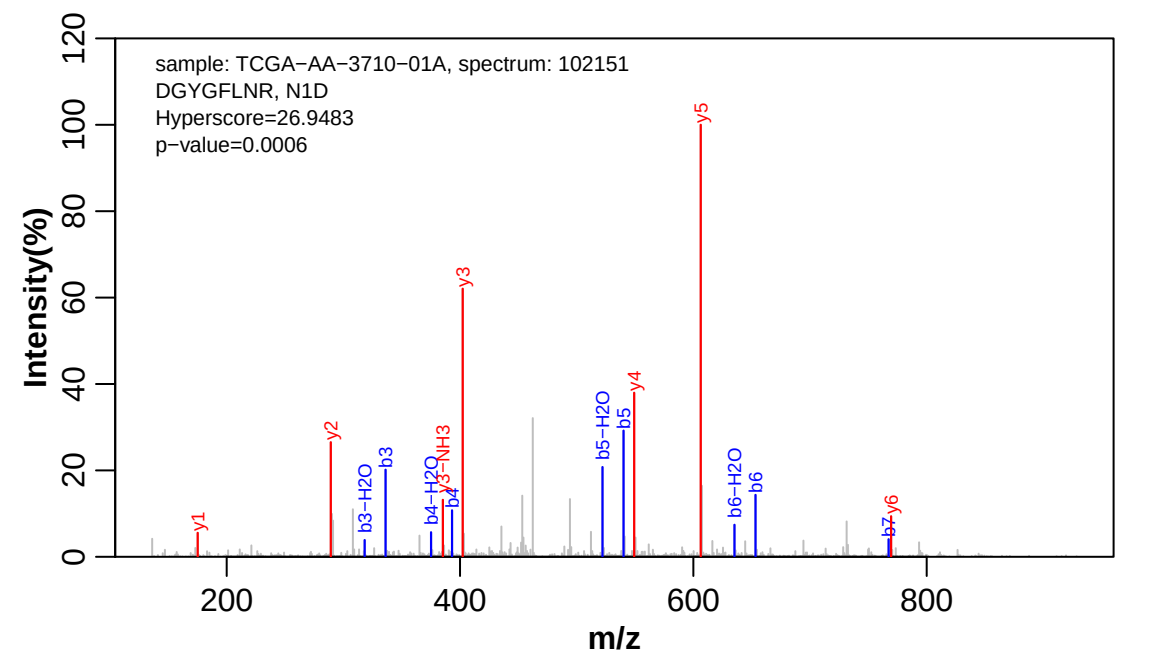

sample: TCGA−AA−3710−01A, spectrum: 29291
AQACNLDQSGTNVAK, R4C
Hyperscore=59.8495
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b4−NH3
b4
y9
b6−NH3
b6
y7
y6
b7
y8
b8−NH3
b11
y10
b10−H2O
b10
y12
y12−NH3
y13
b12
b14

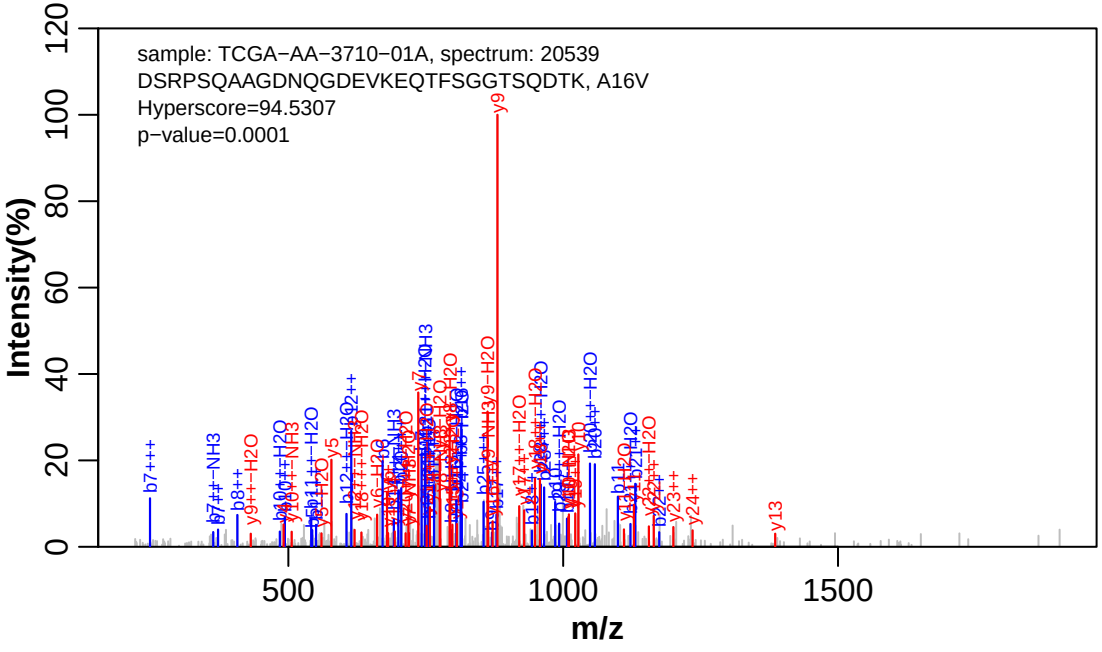

sample: TCGA−AA−3710−01A, spectrum: 121779
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=72.0880
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y6++−H2O
b8++−NH3
y8++
b10++−NH3
b7−H2O
y13++
y14++
y14++−H2O
b16++
b14+y12++
b18++
b10
y9
b11
y10
y8

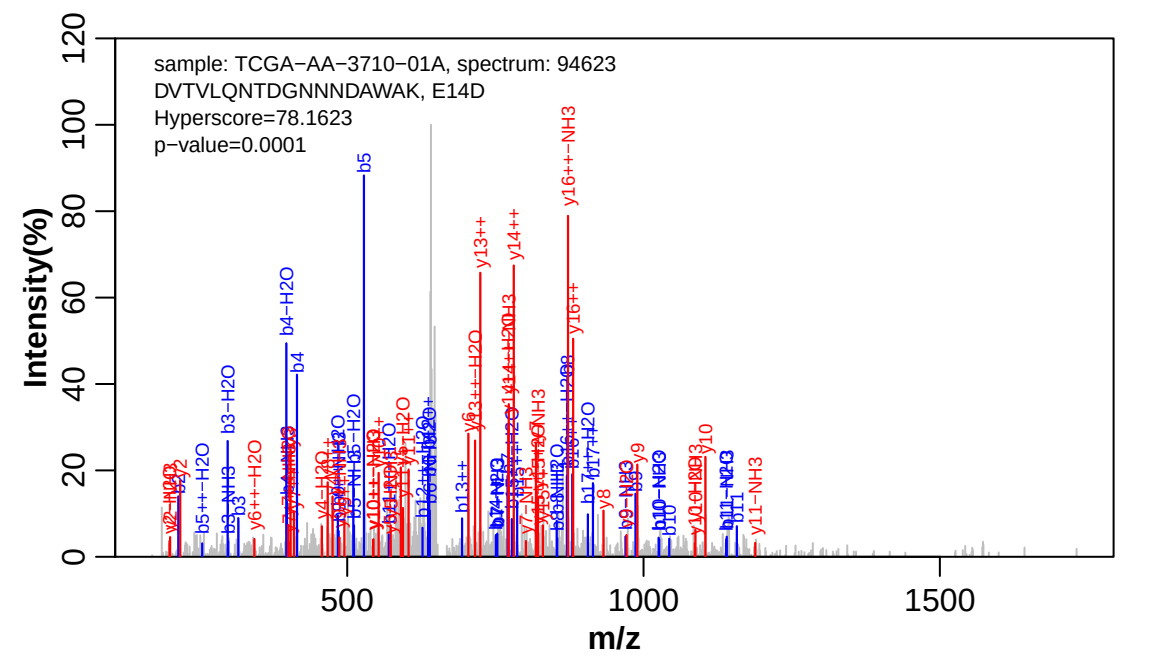

sample: TCGA−AA−3710−01A, spectrum: 28812
CALTGDEVKK, Y1C
Hyperscore=47.4647
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y8++
y7++
b3++
b5++−H2O
b6−H2O
b6
b5
y2
y6−H2O
y6
b7−H2O
b7
y7
b8−H2O

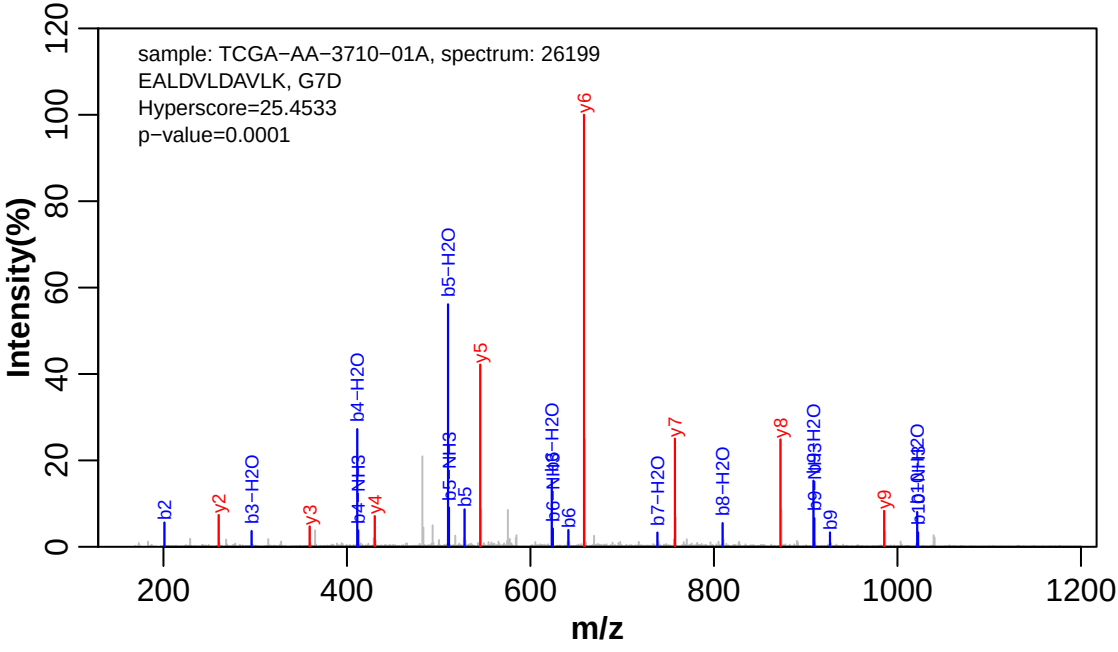

sample: TCGA−AA−3710−01A, spectrum: 106908
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=55.6300
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3−H2O
b7
b15++−NH3
b8
y9
b8++
y5
y8
y9−H2O
y2
y8++
y4−H2O
b6−H2O
b6
b10++
b16++
b9
y7−H2O
b10−H2O
b10
y2
b7
b8
y5
y9
y8
b6
b16++
b9
b10

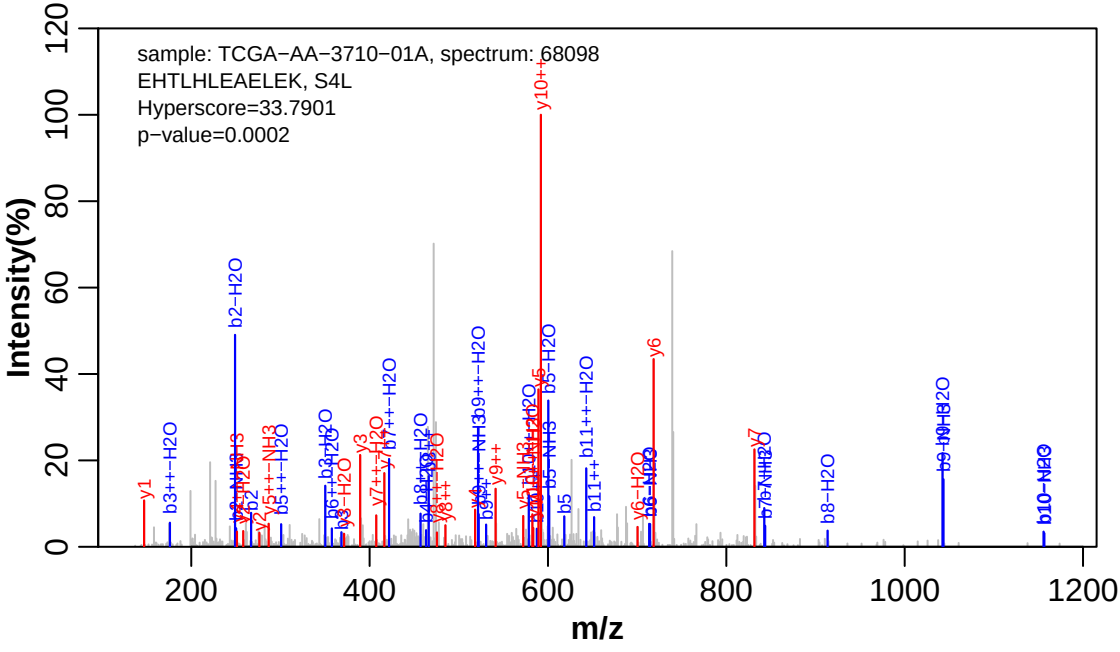

sample: TCGA−AA−3710−01A, spectrum: 7443
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=22.5990
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
y6−H2O
y6
b6−NH3
b6
y7
y8
b8
y9
b9
b10
y11−NH3
y11−H2O
y11
b11
y12−NH3
y12
b12
y13−NH3
b13−NH3
b13
y14
b16

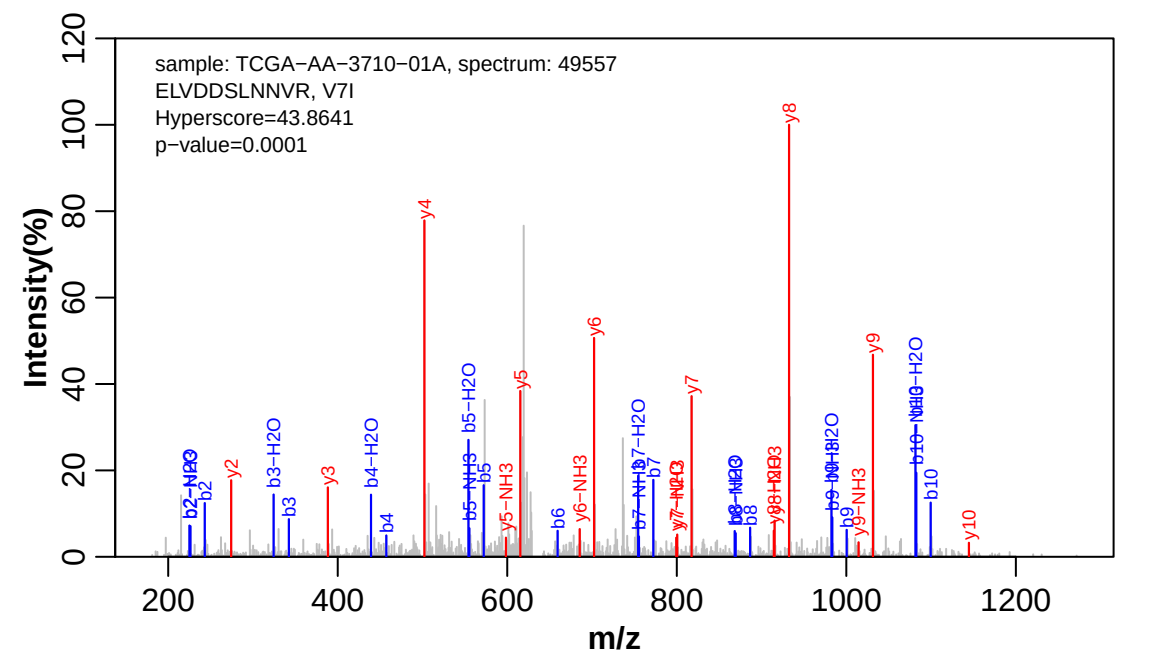

sample: TCGA−AA−3710−01A, spectrum: 102151
DGYGFLNR, N1D
Hyperscore=26.9483
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

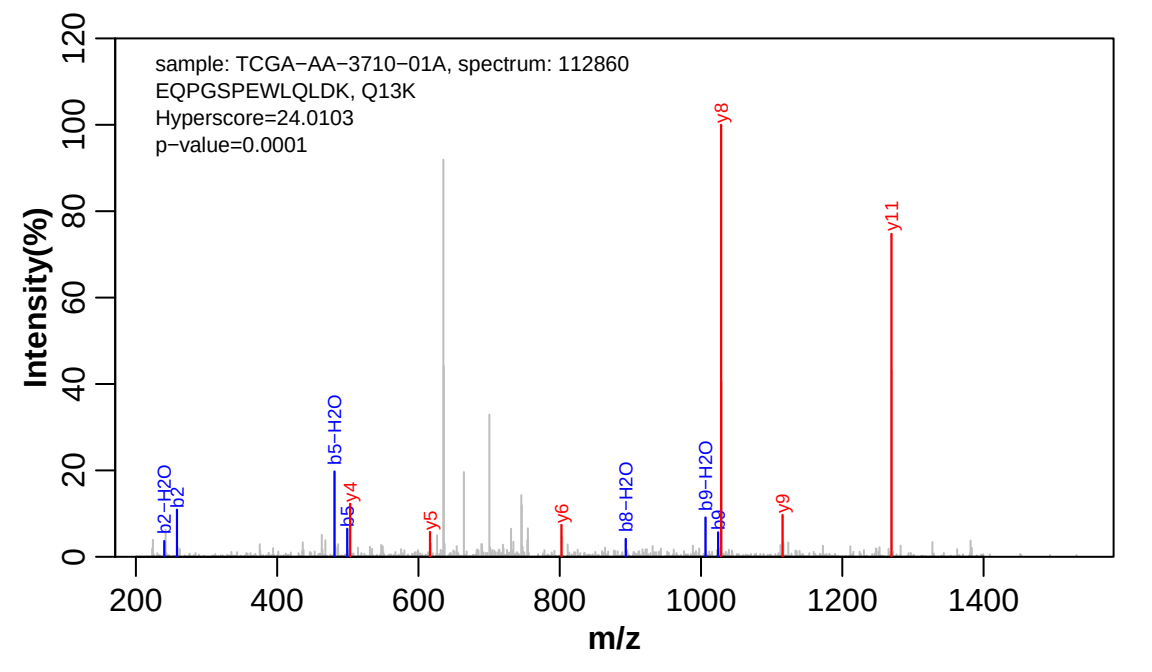

sample: TCGA−AA−3710−01A, spectrum: 20539
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=94.5307
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y9
b7+++
y13
y24++
y23++
y22++
b20++−H2O
y17++−H2O
b25++−NH3
y9−NH3
y9−H2O
b7++−NH3
b8++
y9++−H2O
b10++−H2O
b10++−NH3
y18++−NH3
y18++−H2O
y5
b12++−H2O
b12++
y16++−H2O
y6−H2O
y6−NH3
b24++−H2O
b24++
b25++−H2O
b25++−NH3
y17++−H2O
b11++−H2O
b21++−H2O
y21++−H2O
b22++−H2O

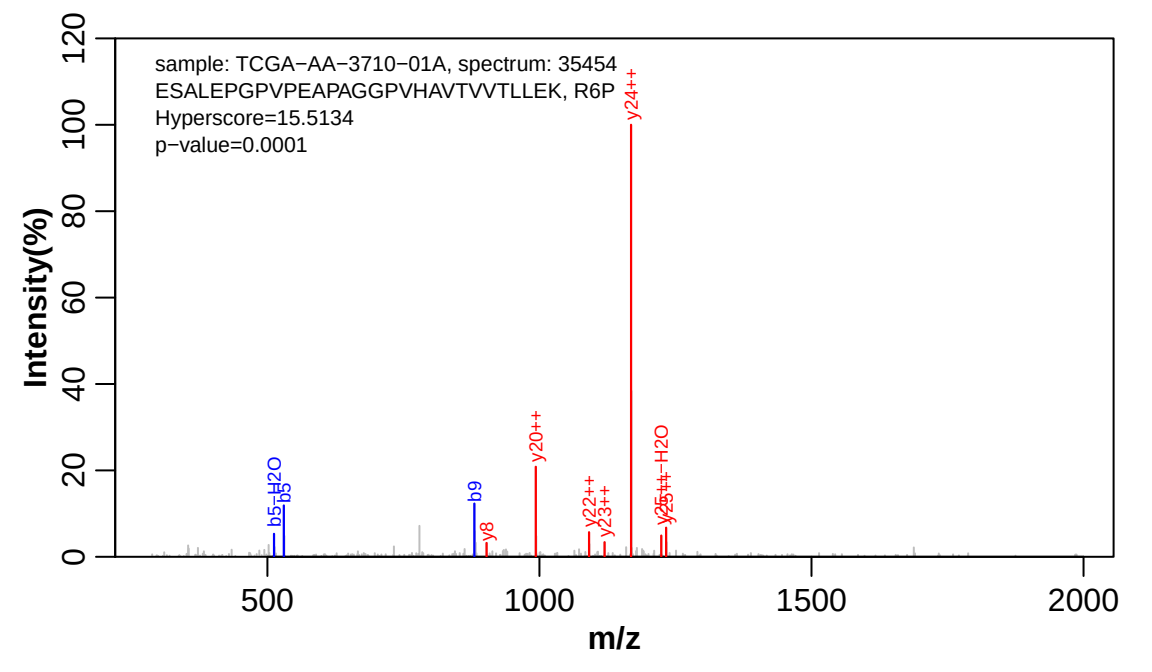

sample: TCGA−AA−3710−01A, spectrum: 94623
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=78.1623
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5
b4−H2O
b4
b3−H2O
b5++−H2O
b3−NH3
b3
y6++−H2O
y16++−NH3
y13++
y14++
y16++
y13++−H2O
b13++
y8
y11−NH3

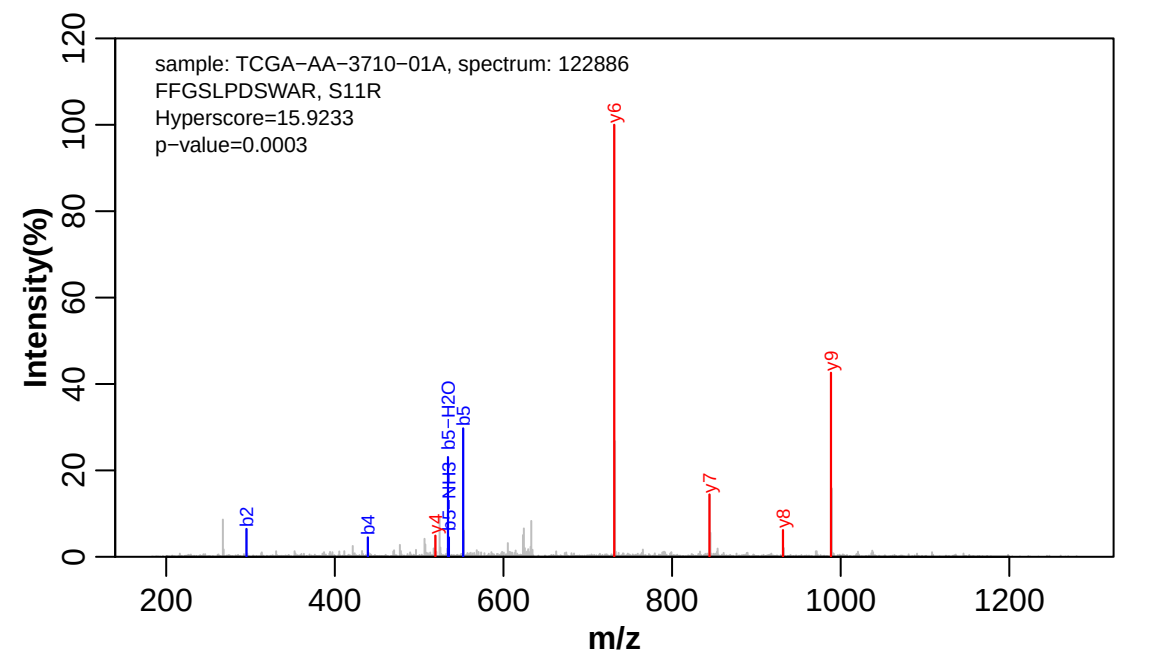

sample: TCGA−AA−3710−01A, spectrum: 26199
EALDVLDAVLK, G7D
Hyperscore=25.4533
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
y3
b4−NH3
b4−H2O
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6
b7−H2O
y7
b8−H2O
y8
b9−NH3
b9−H2O
b9
y9
b10−NH3
b10−H2O

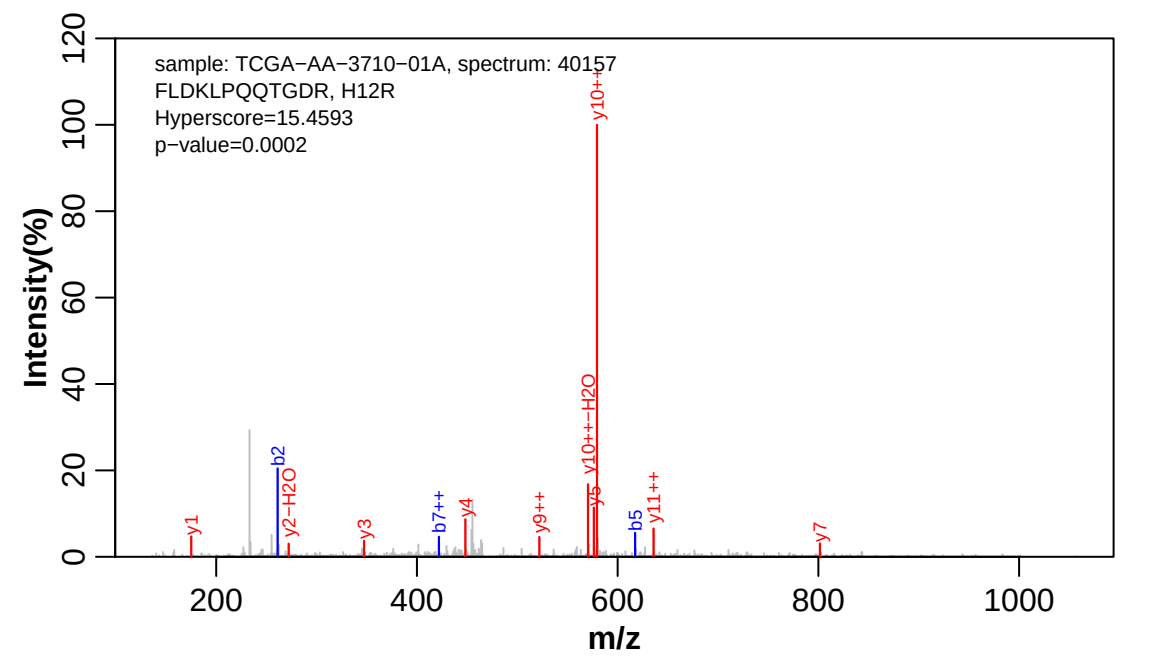

sample: TCGA−AA−3710−01A, spectrum: 68098
EHTLHLEAELEK, S4L
Hyperscore=33.7901
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y10++
b2−H2O
y6
b5−H2O
b11++−H2O
b8−H2O
y1
b3++−H2O

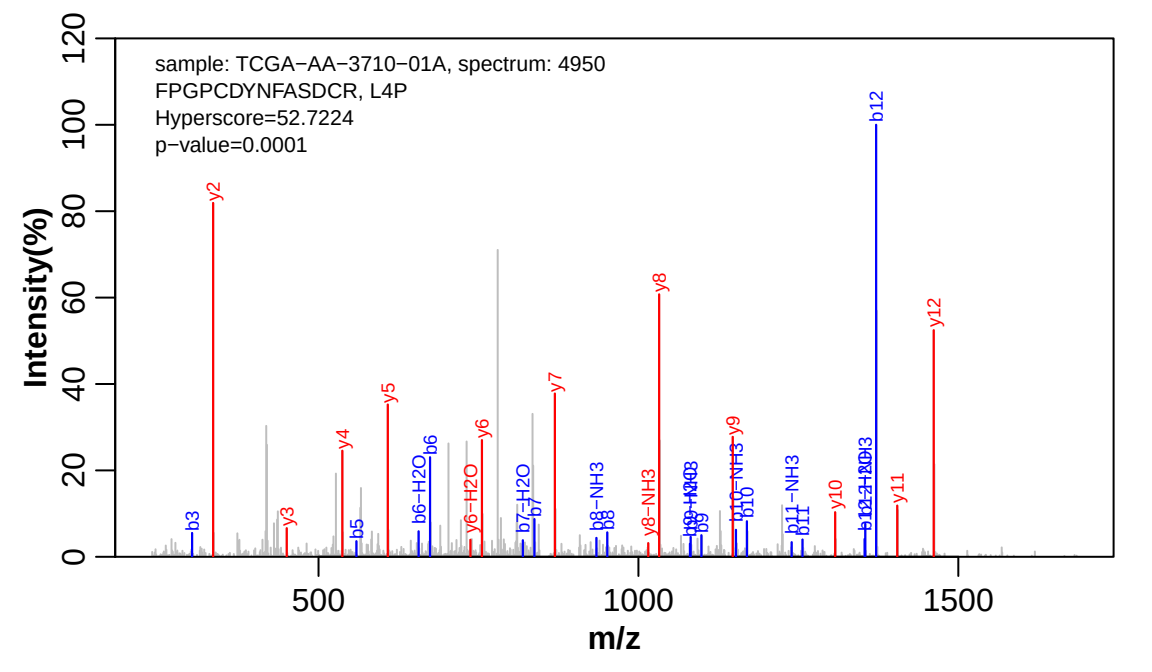

sample: TCGA−AA−3710−01A, spectrum: 49557
ELVDDSLNNVR, V7I
Hyperscore=43.8641
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y8
y4
y6
y5
y7
y9
y2
y3
y10
b3−H2O
b4−H2O
b5−H2O
b5−NH3
b5
b3
b4
b2
y5−NH3
y6−NH3
b6
b7−H2O
b7
b10−H2O
b10
b9
y9−NH3
b8

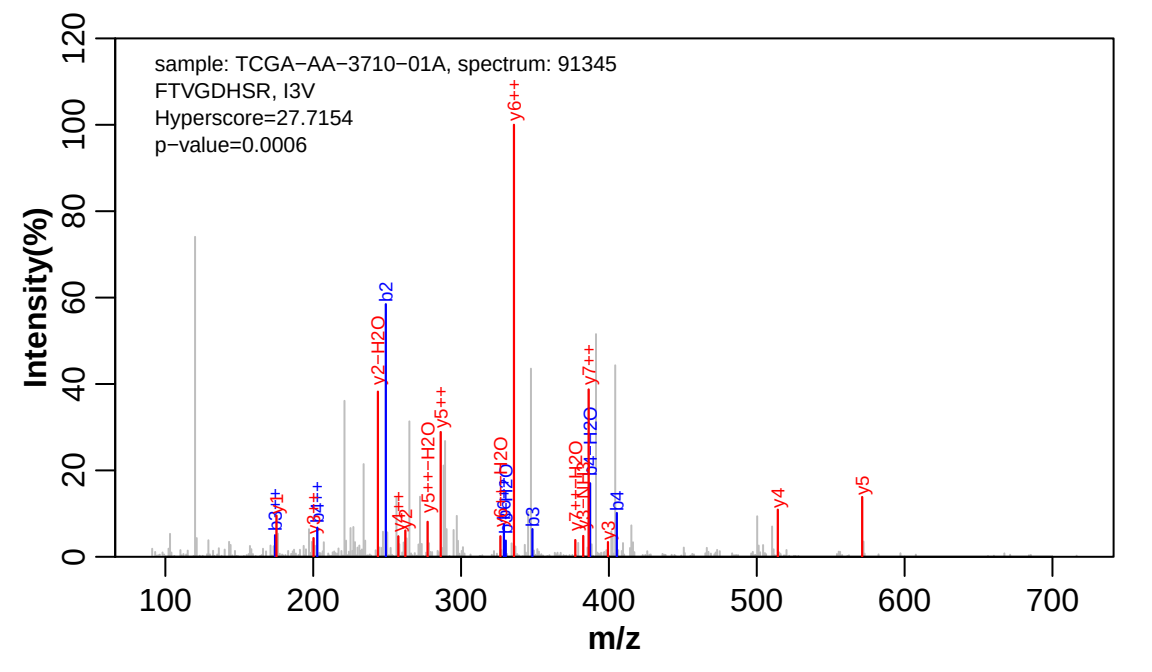

sample: TCGA−AA−3710−01A, spectrum: 112860
EQPGSPEWLQLDK, Q13K
Hyperscore=24.0103
p−value=0.0001
Intensity(%)
m/z
b2−H2O
b2
b5−H2O
b5
y4
y5
y6
b8−H2O
b9−H2O
b9
y8
y9
y11

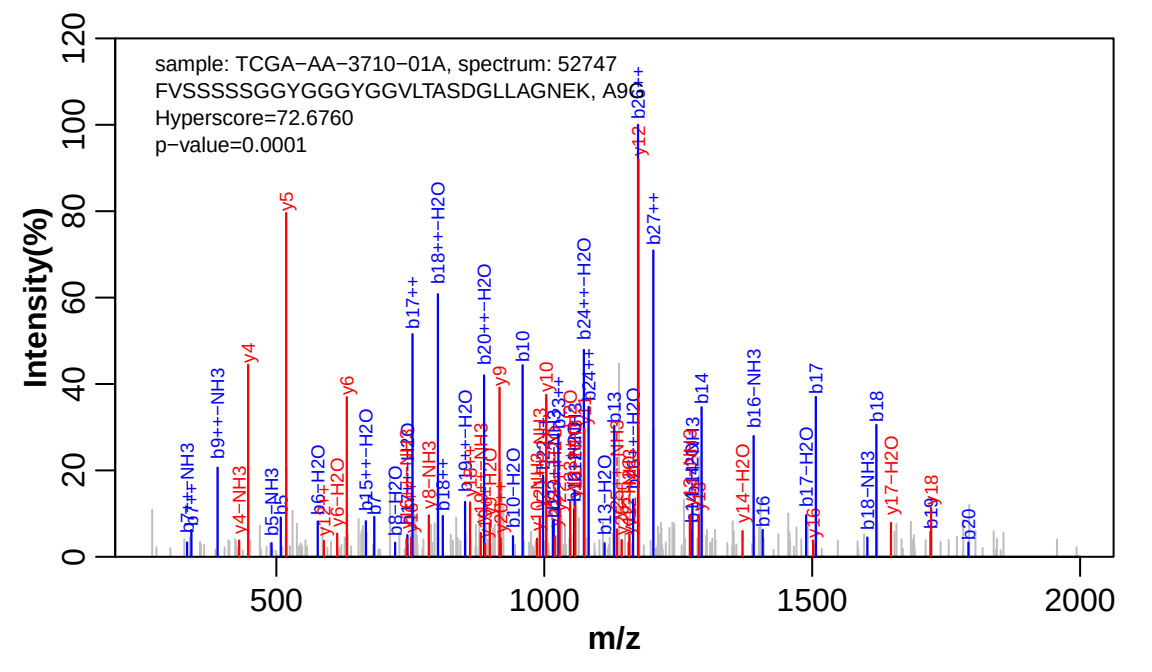

sample: TCGA−AA−3710−01A, spectrum: 35454
ESALEPGPVPEAPAGGPVHAVTVVTLLEK, R6P
Hyperscore=15.5134
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5−H2O
b5
b9
y8
y20++
y22++
y23++
y24++
y25++−H2O

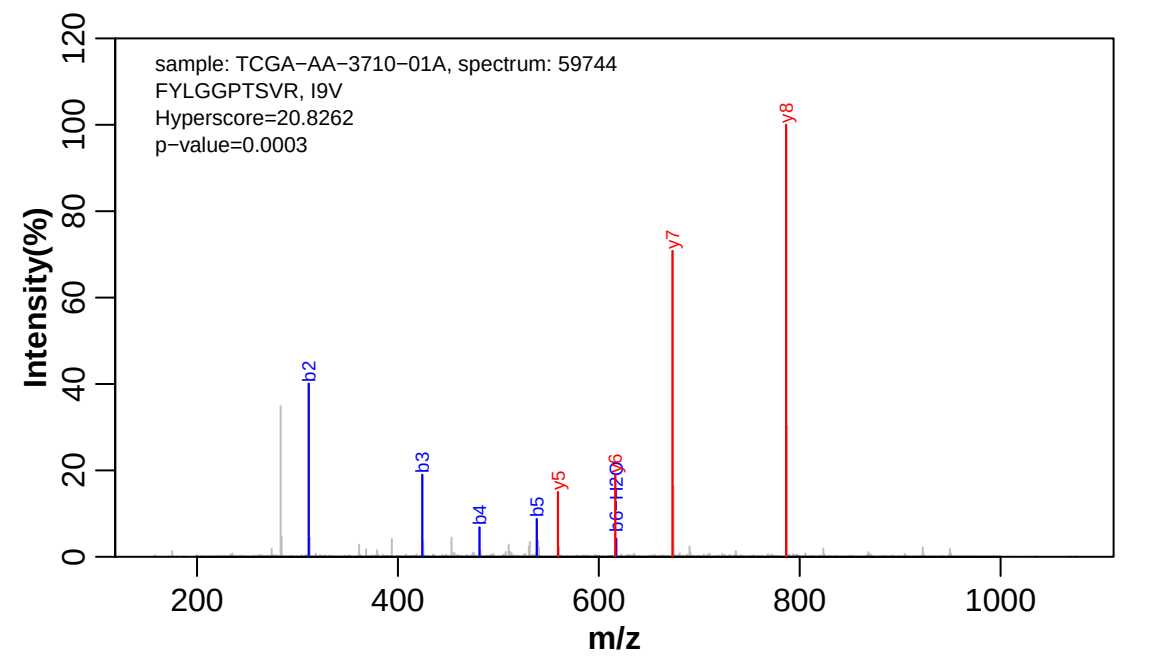

sample: TCGA−AA−3710−01A, spectrum: 122886
FFGSLPDSWAR, S11R
Hyperscore=15.9233
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
y6
y7
y8
y9

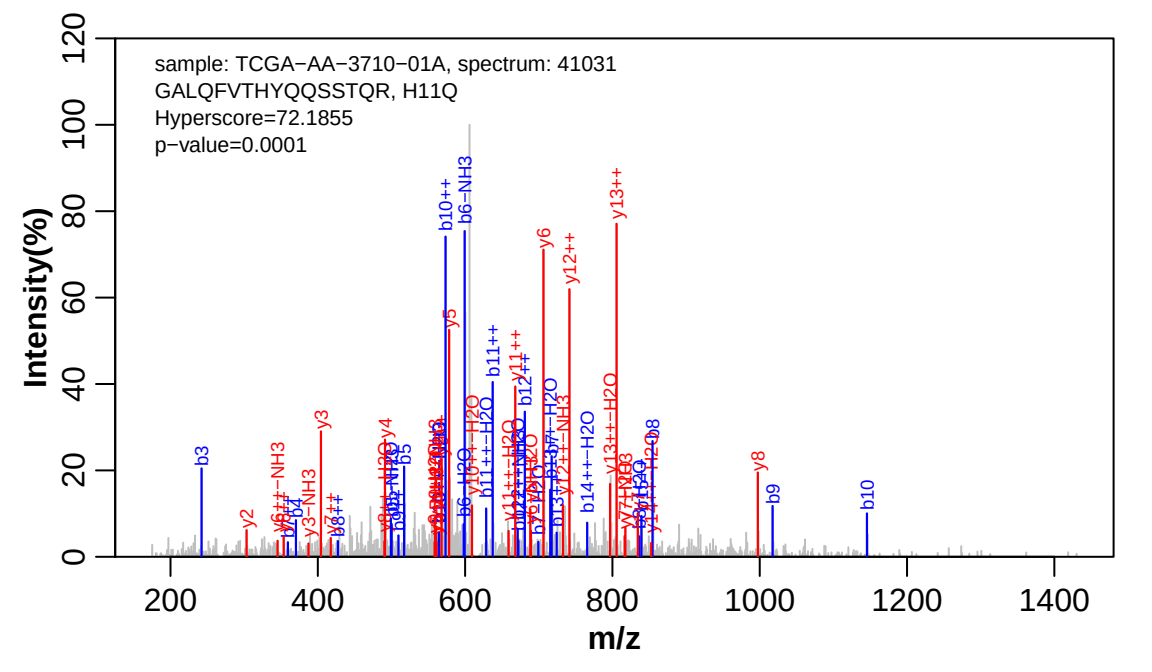

sample: TCGA−AA−3710−01A, spectrum: 40157
FLDKLPQQTGDR, H12R
Hyperscore=15.4593
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2−H2O
y3
b7++
y4
y9++
y10++−H2O
y5
y10++
b5
y11++
y7

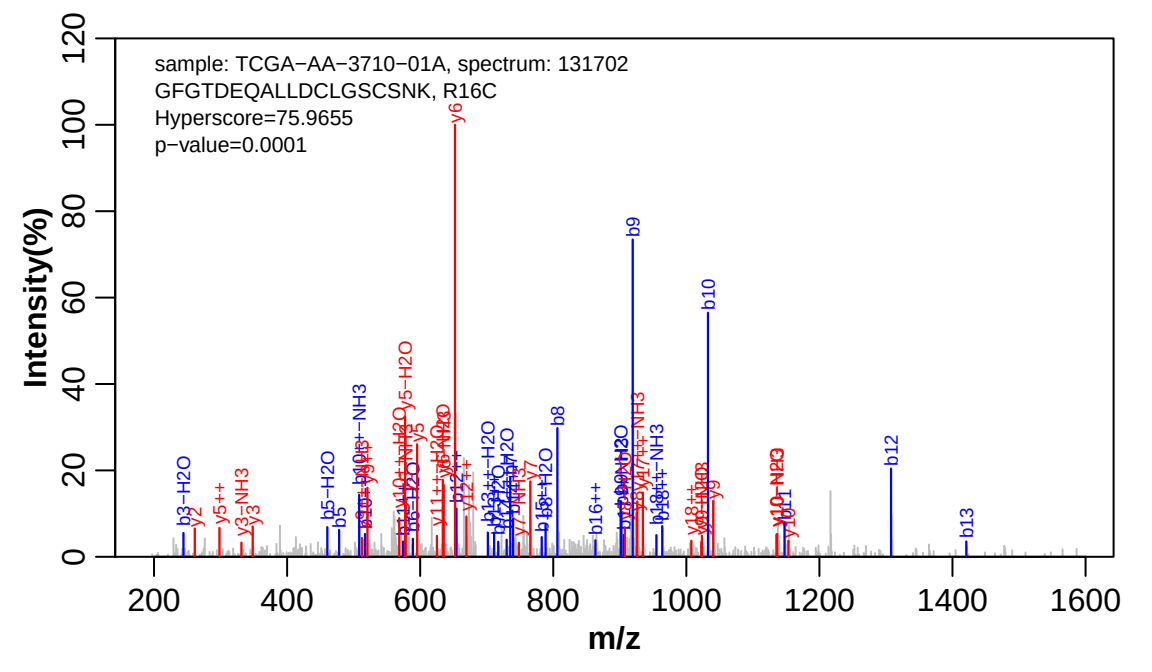

sample: TCGA−AA−3710−01A, spectrum: 4950
FPGPCDYNFASDCR, L4P
Hyperscore=52.7224
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
y2
y3
y4
b5
y5
b6−H2O
b6
y6−H2O
y6
b7−H2O
b7
y7
b8−NH3
b8
y8−NH3
y8
y9
b10−NH3
b10
b11−NH3
b11
y10
y11
b12
y12

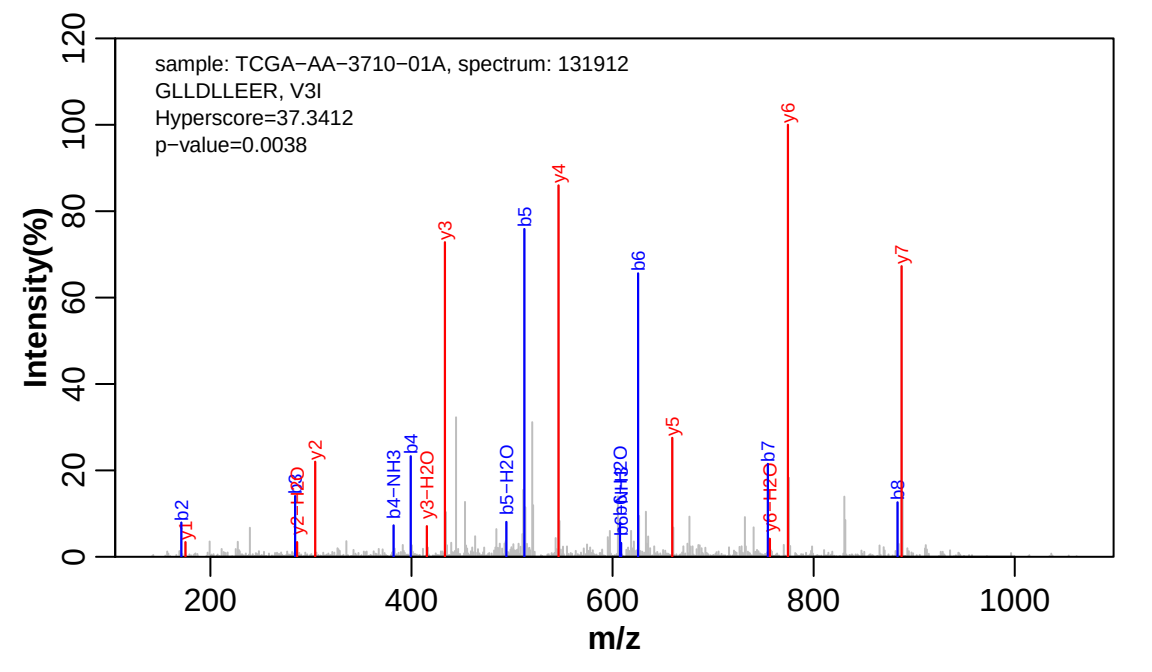

sample: TCGA−AA−3710−01A, spectrum: 91345
FTVGDHSR, I3V
Hyperscore=27.7154
p−value=0.0006
Intensity(%)
m/z
y6++
b2
y2−H2O
y5++
y5++−H2O
y7++
y7++−H2O
b4−H2O
b3
b4
y4
y5
b3++
y3++
y4++
y2++
y2
b6++−H2O
y7++−H2O
y3
0
20
40
60
80
100
120
100
200
300
400
500
600
700

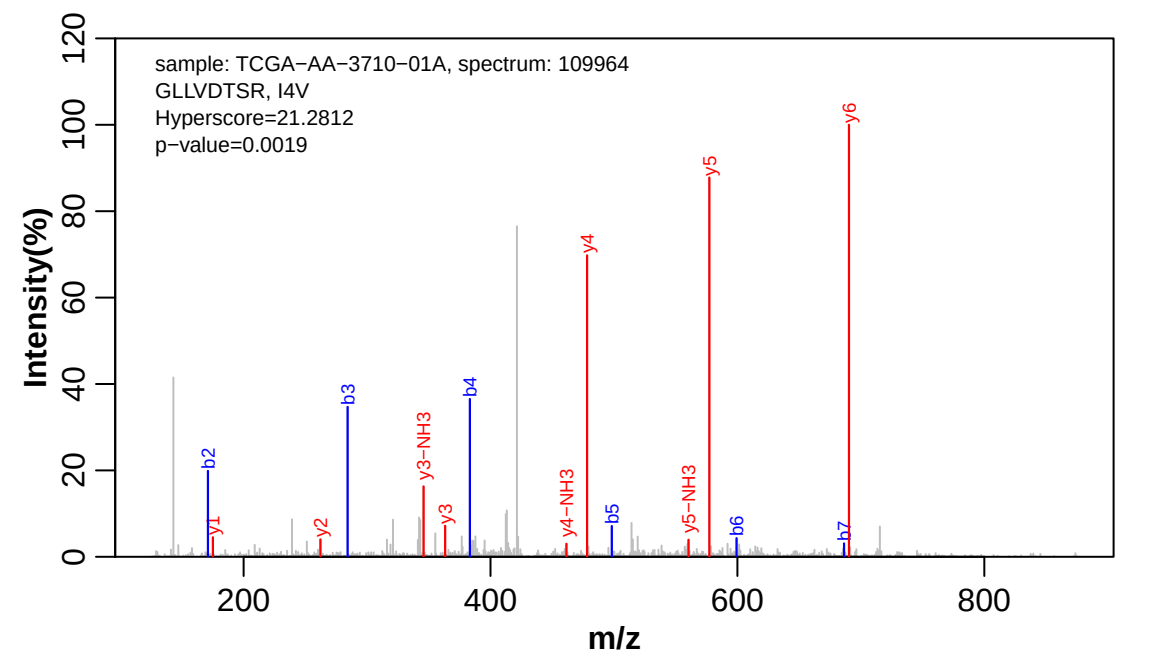

sample: TCGA−AA−3710−01A, spectrum: 52747
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=72.6760
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
y4
b9++−NH3
y4−NH3
b7++−NH3
b5
b5−NH3
y6
y6−H2O
b6−H2O
b15++−H2O
b7
b8−H2O
b17++
b18++−H2O
y8−NH3
b18++
b19++−H2O
b20++−H2O
y9
b10
b10−H2O
b13−H2O
b24++−H2O
b24++
b14
y12
b26++
b27++
y14−H2O
b16
b16−NH3
b17
b17−H2O
b18
b18−NH3
y17−H2O
b19
b20

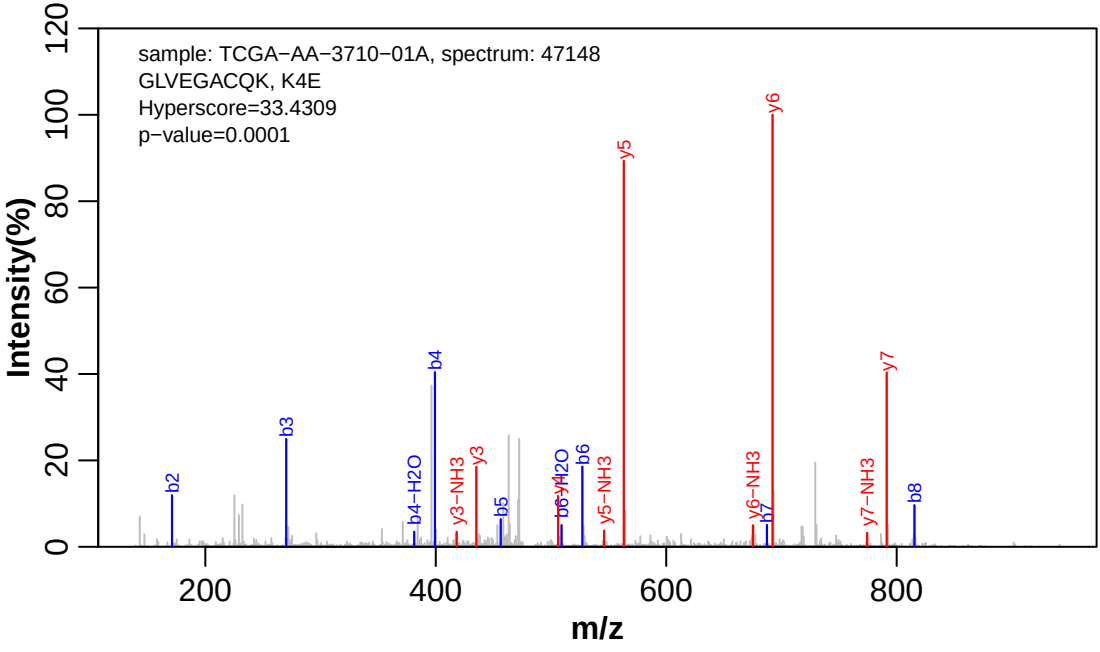

sample: TCGA−AA−3710−01A, spectrum: 59744
FYLGGPTSVR, I9V
Hyperscore=20.8262
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

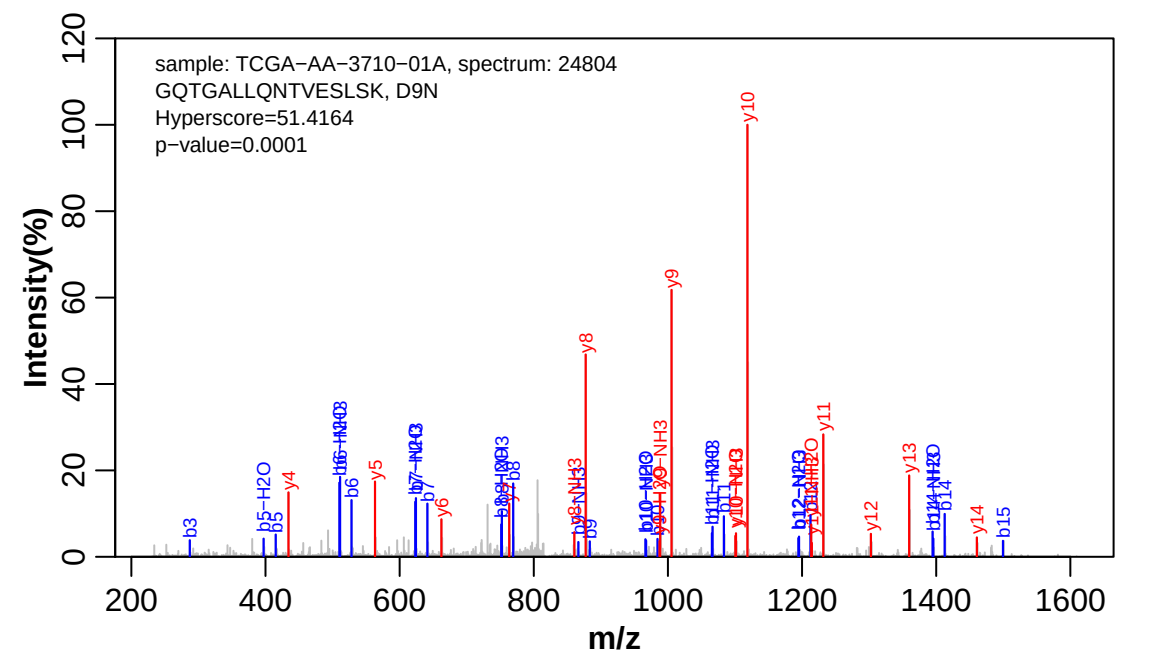

sample: TCGA−AA−3710−01A, spectrum: 41031
GALQFVTHYQQSSTQR, H11Q
Hyperscore=72.1855
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
y3−NH3
b4
b8++
y4
b5
y5
b10++
b6−NH3
b6
b11++
y11++
b12++
y6
y12++
y12++−NH3
y13++
y13++−H2O
b14++−H2O
y8
b9
b10

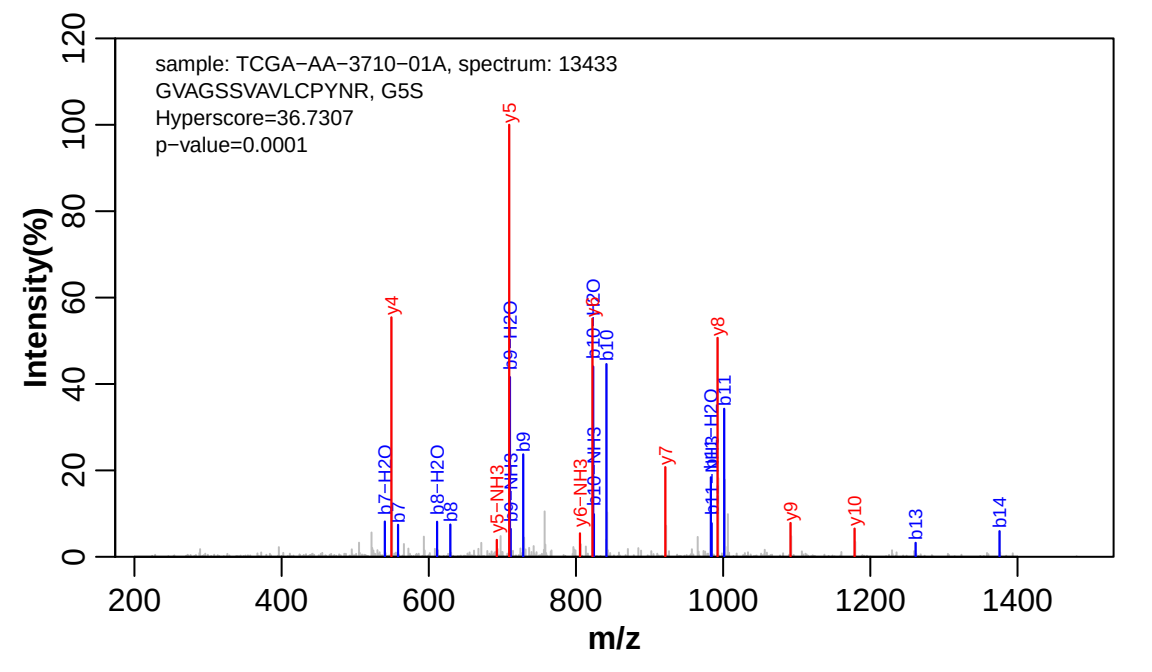

sample: TCGA−AA−3710−01A, spectrum: 131702
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=75.9655
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
b9
b10
b12
b13
b8
y5−H2O
b3−H2O
y2
y5++
y3−NH3
y3
b5−H2O
b5
b16++
b15+−H2O
b18+−NH3
y9
y10−NH3

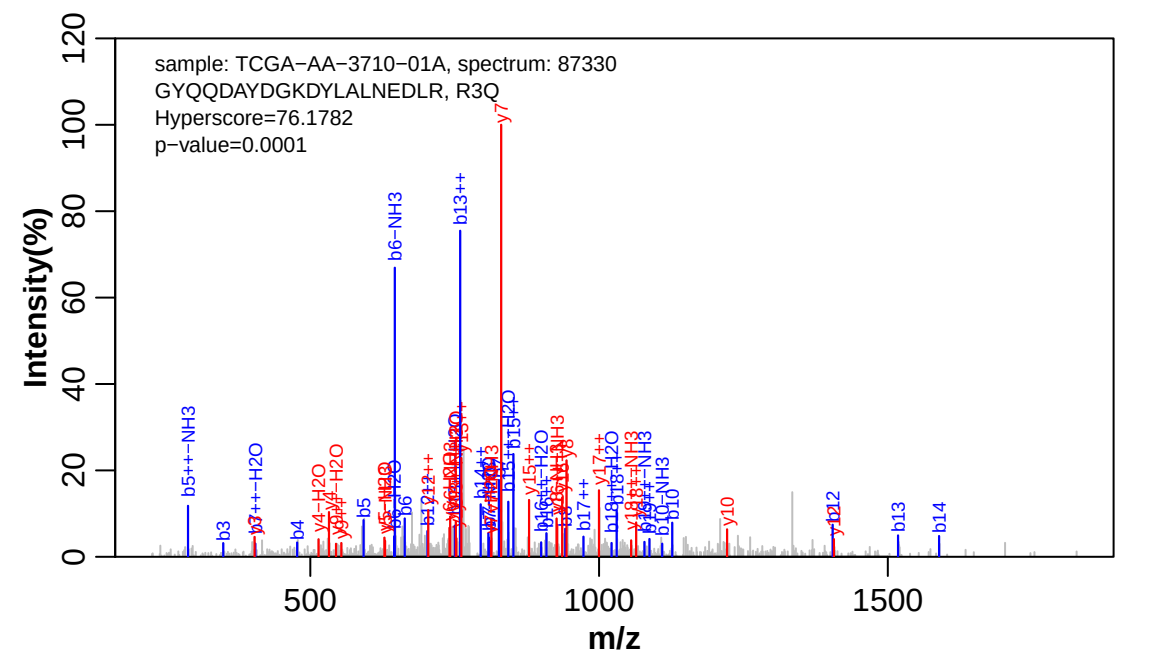

sample: TCGA−AA−3710−01A, spectrum: 131912
GLLDLLEER, V3I
Hyperscore=37.3412
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
y2−H2O
b4−NH3
b4
y3−H2O
y3
b5−H2O
b5
b6
y4
y5
y6−H2O
b7
y6
b8
y7

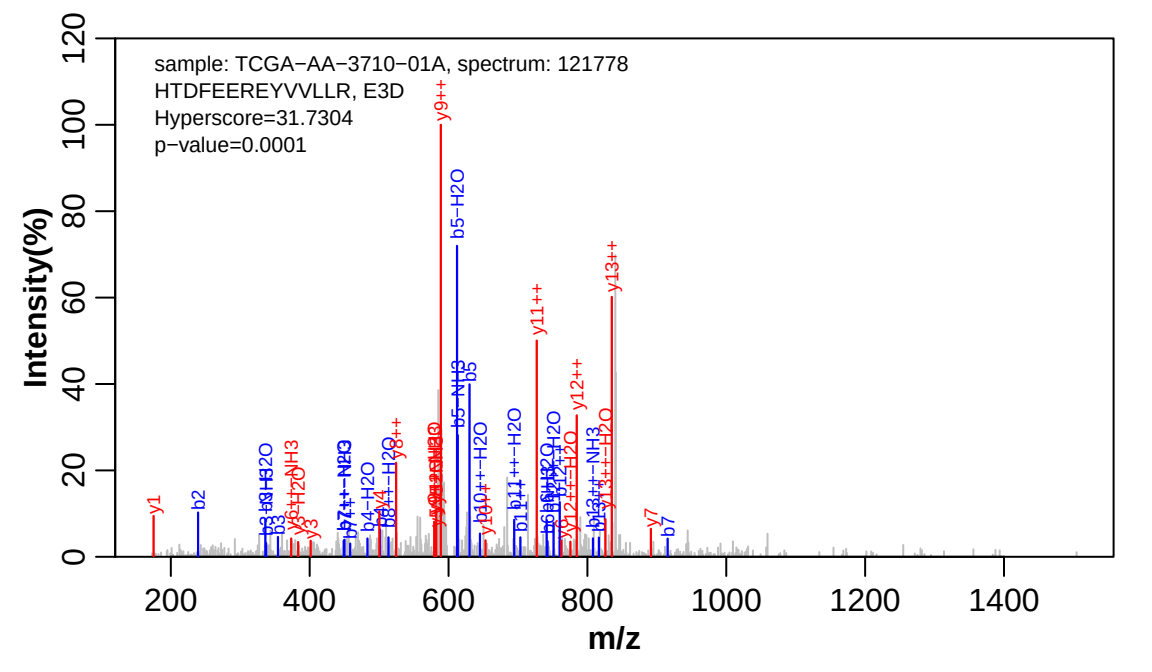

sample: TCGA−AA−3710−01A, spectrum: 109964
GLLVDTSR, I4V
Hyperscore=21.2812
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y6
y5
y4
b3
b4
y3−NH3
b2
y1
y2
y3
y4−NH3
b5
y5−NH3
b6
b7

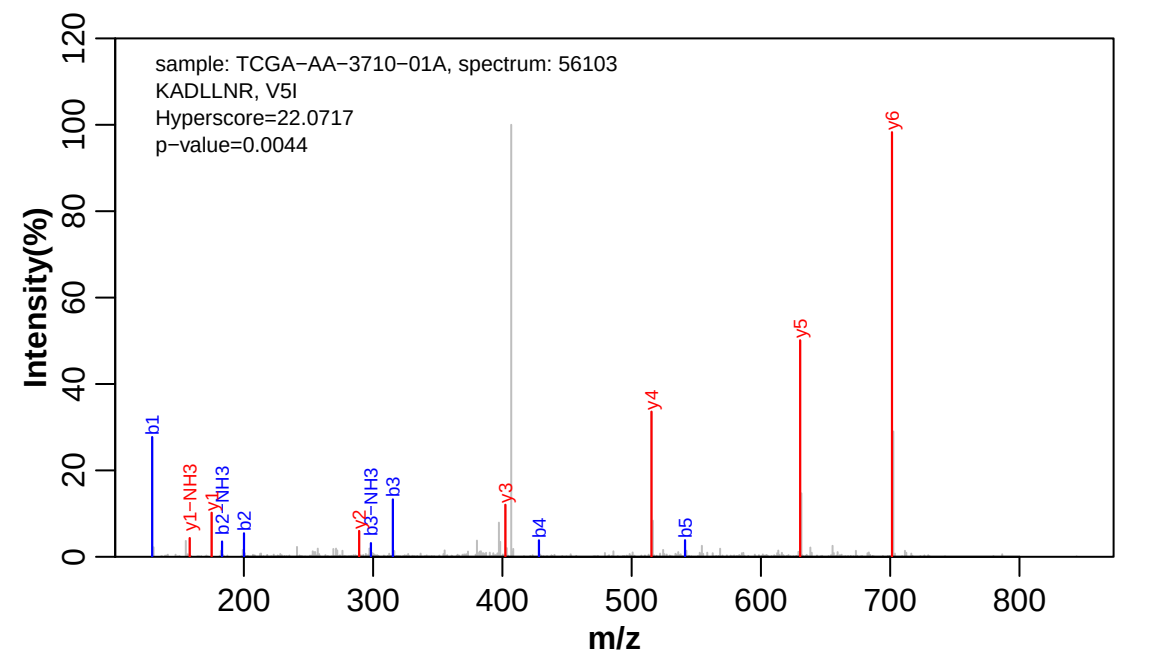

sample: TCGA−AA−3710−01A, spectrum: 47148
GLVEGACQK, K4E
Hyperscore=33.4309
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
b4
b4−H2O
y3−NH3
y3
b5
b6−H2O
b6
y5−NH3
y5
y6
y6−NH3
b7
y7−NH3
y7
b8

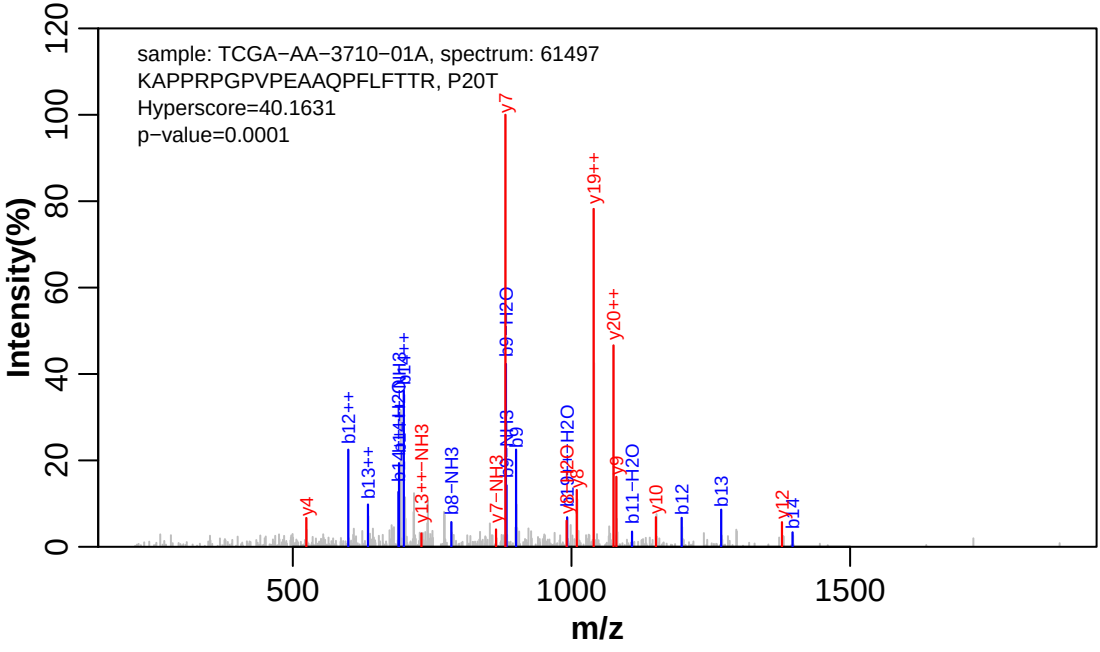

sample: TCGA−AA−3710−01A, spectrum: 24804
GQTGALLQNTVESLSK, D9N
Hyperscore=51.4164
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b5−H2O
b5
y4
b6
y5
y6
y8
y9
y10
y11
y12
y13
y14
b15

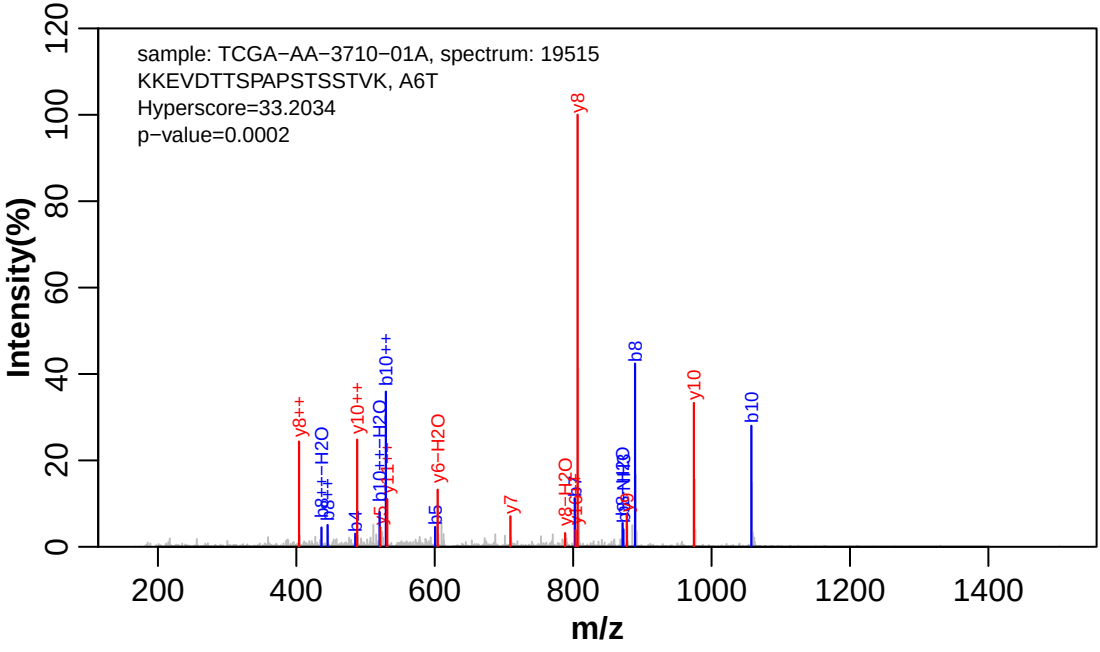

sample: TCGA−AA−3710−01A, spectrum: 13433
GVAGSSVAVLCPYNR, G5S
Hyperscore=36.7307
p−value=0.0001
Intensity(%)
m/z
y5
y4
y8
y7
y9
y10
b13
b14
b11
b10
b9
b7
b8
b7−H2O
b8−H2O
b9−H2O
b10−H2O
b11−H2O
y5−NH3
b9−NH3
y6−NH3
b10−NH3

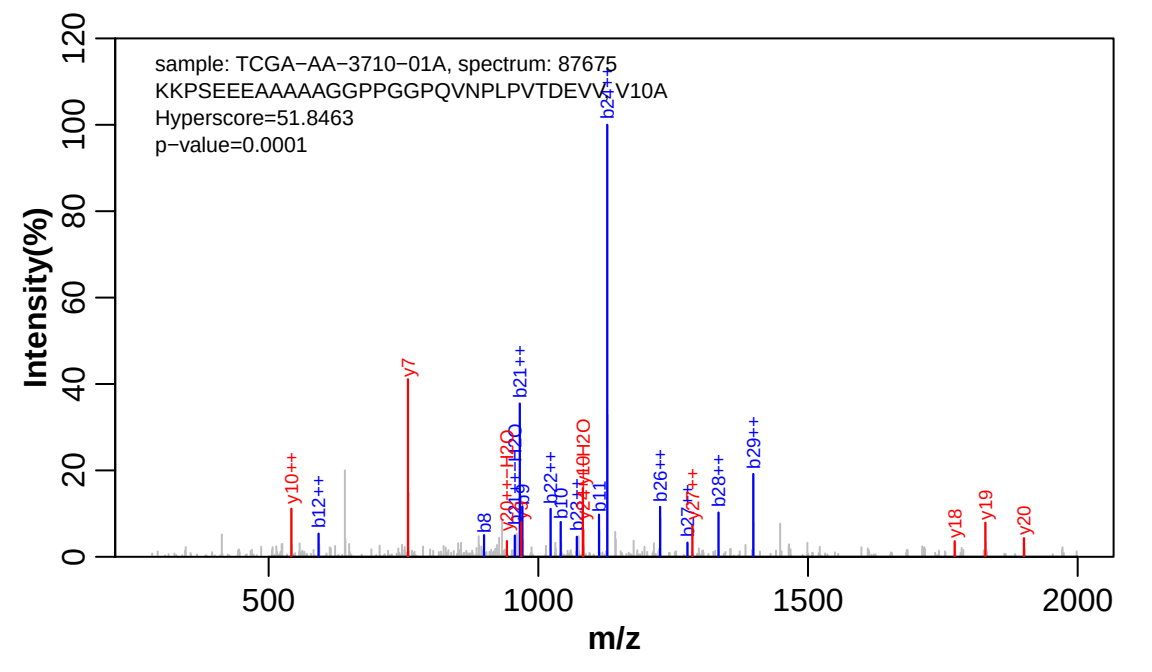

sample: TCGA−AA−3710−01A, spectrum: 87330
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=76.1782
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5++−NH3
b3
y7++−H2O
b4
y4−H2O
b5
b6
b6−NH3
b13++
y7
b15++−H2O
y15++
b16++−H2O
b17++
y17++
b18+−H2O
b10−NH3
b10
y10
y12
b13
b14

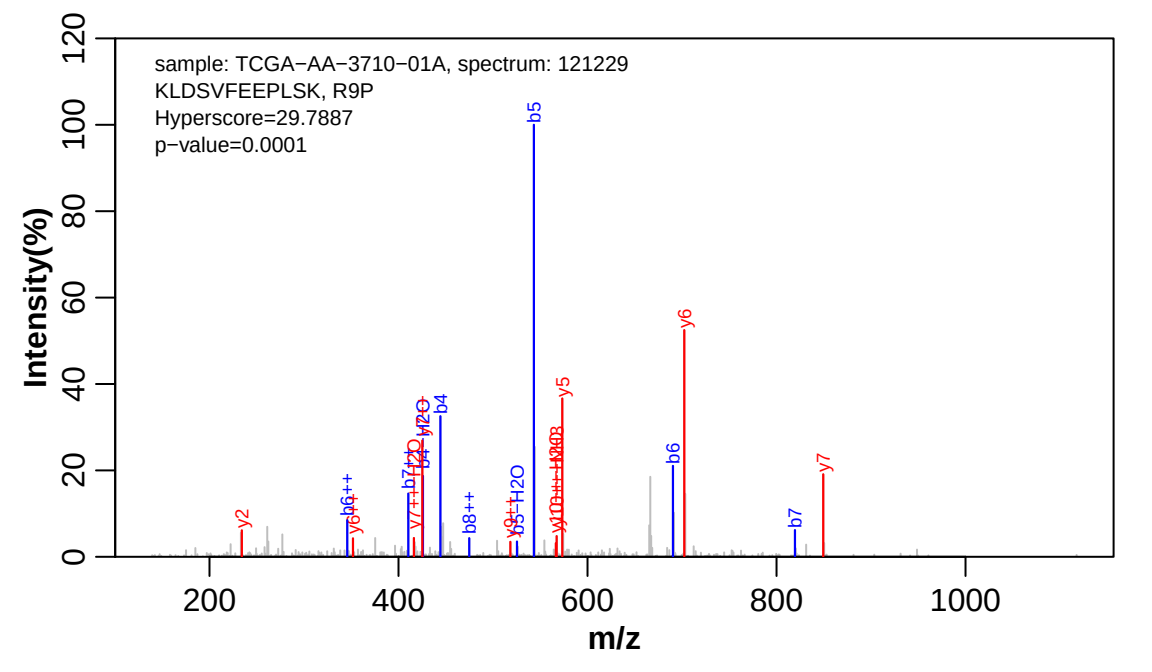

sample: TCGA−AA−3710−01A, spectrum: 121778
HTDFEEREYVVLLR, E3D
Hyperscore=31.7304
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y1
b2
y3
y9++
b5−H2O
b5−NH3
b5
y11++
y12++
y13++
y7
b7

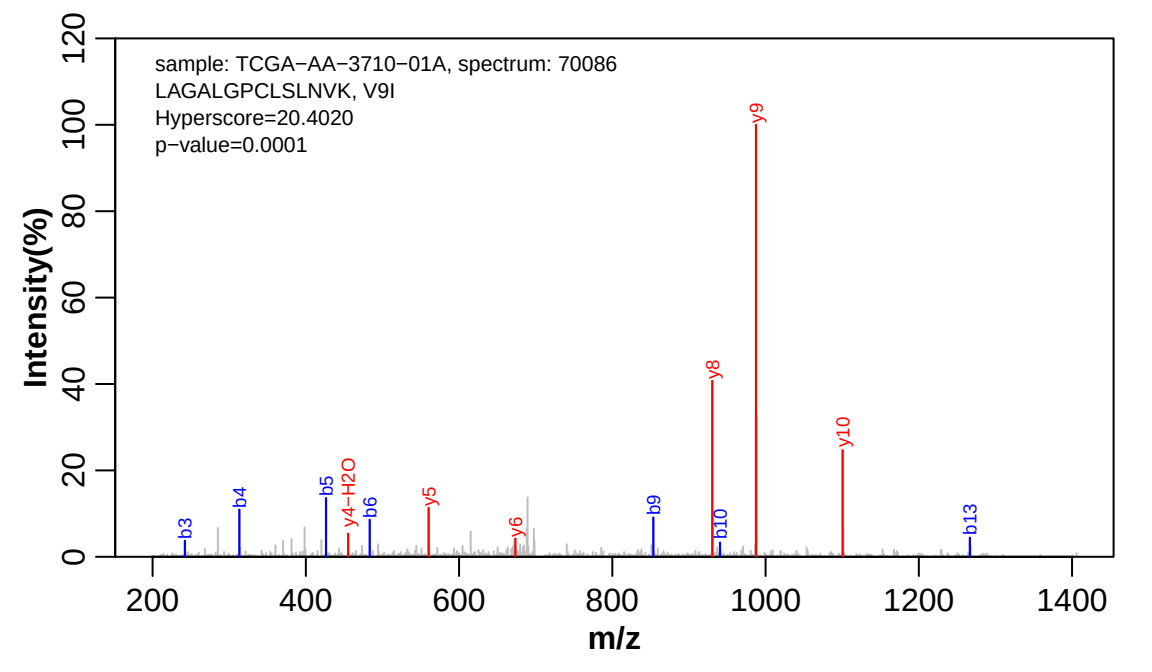

sample: TCGA−AA−3710−01A, spectrum: 56103
KADLLNR, V5I
Hyperscore=22.0717
p−value=0.0044
Intensity(%)
m/z
0
20
40
60
80
100
120
200
300
400
500
600
700
800
b1
y1−NH3
y1
b2−NH3
b2
y2
b3−NH3
b3
y3
b4
y4
b5
y5
y6

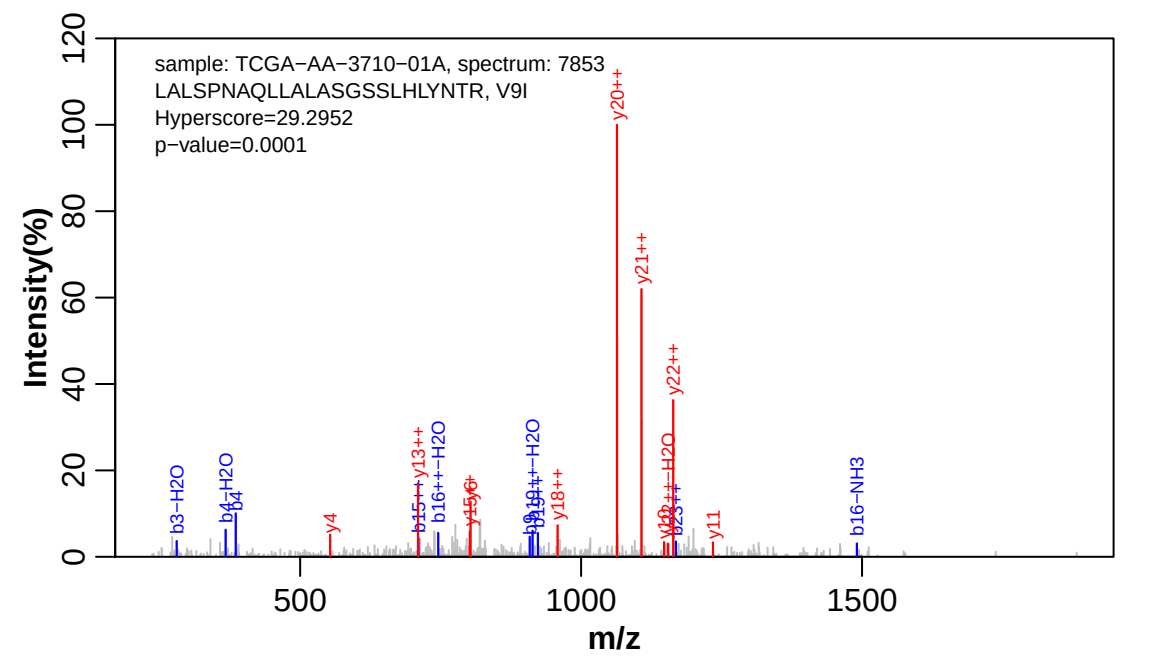

sample: TCGA−AA−3710−01A, spectrum: 61497
KAPPRPGPVPEAAQPFLFTTR, P20T
Hyperscore=40.1631
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4
b12++
b13++
y13++−NH3
b8−NH3
y7−NH3
y7
b9−H2O
y19++
y20++
y10
b12
b13
b14
y12

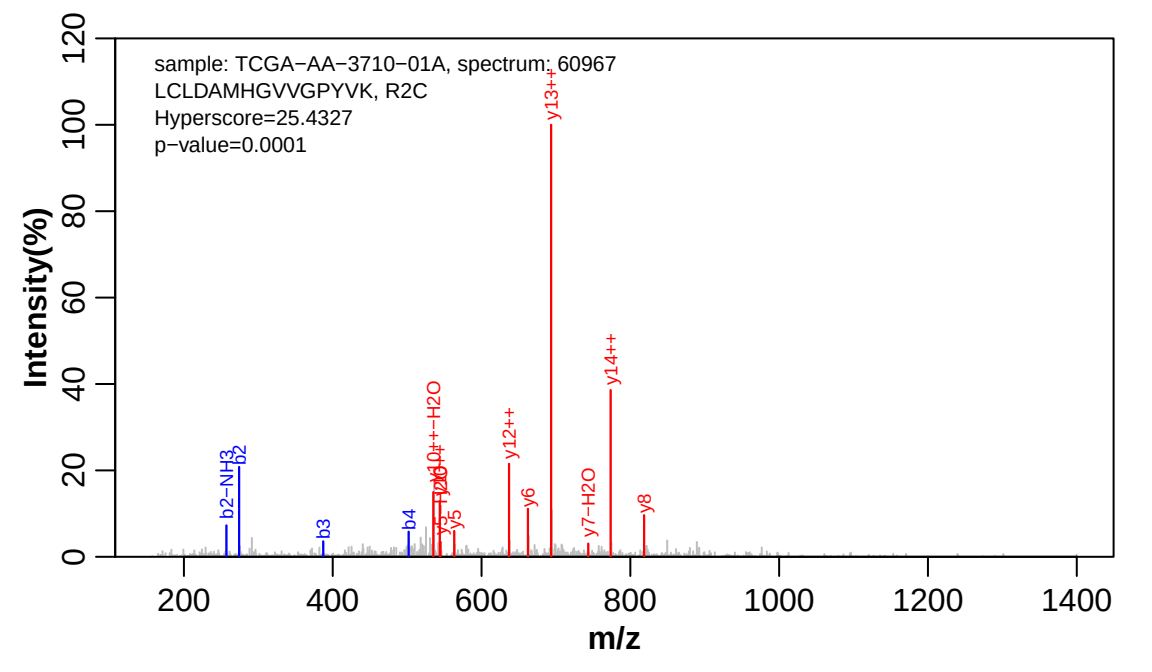

sample: TCGA−AA−3710−01A, spectrum: 19515
KKEVDTTSPAPSTSSTVK, A6T
Hyperscore=33.2034
p−value=0.0002
Intensity(%)
m/z
y8
y8++
y10++
b10++
b8
y10
b10
y8−H2O
y6−H2O
y7
b4
b5
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

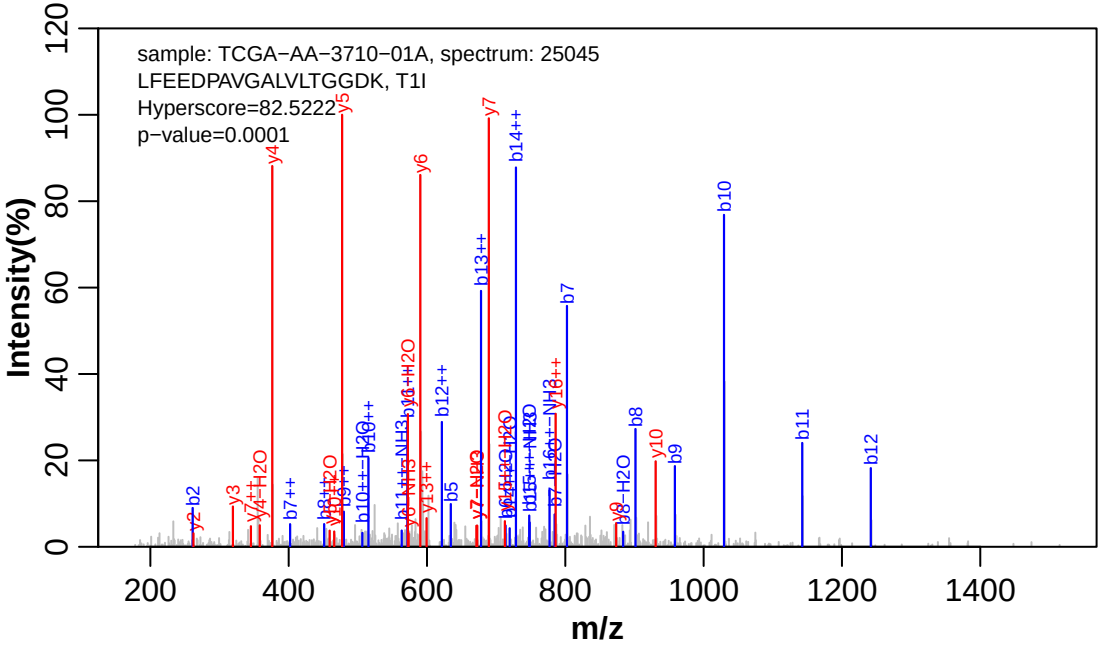

sample: TCGA−AA−3710−01A, spectrum: 87675
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV+V10A
Hyperscore=51.8463
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y7
b21++
b24++
y10++
b12++
b8
b22++
b11
b26++
b28++
b29++
y18
y19
y20

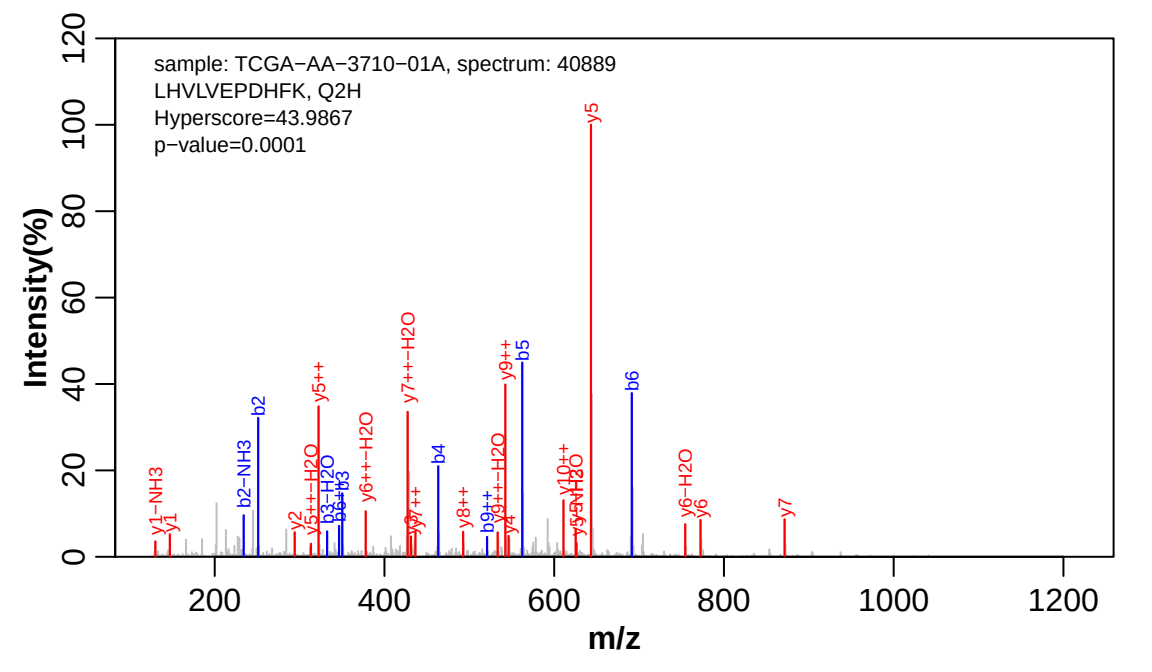

sample: TCGA−AA−3710−01A, spectrum: 121229
KLDSVFEEPLSK, R9P
Hyperscore=29.7887
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b5
y6
y5
b6
y7
b4
b7
b8++
y2
y6++
b6++
b5−H2O
y8−H2O

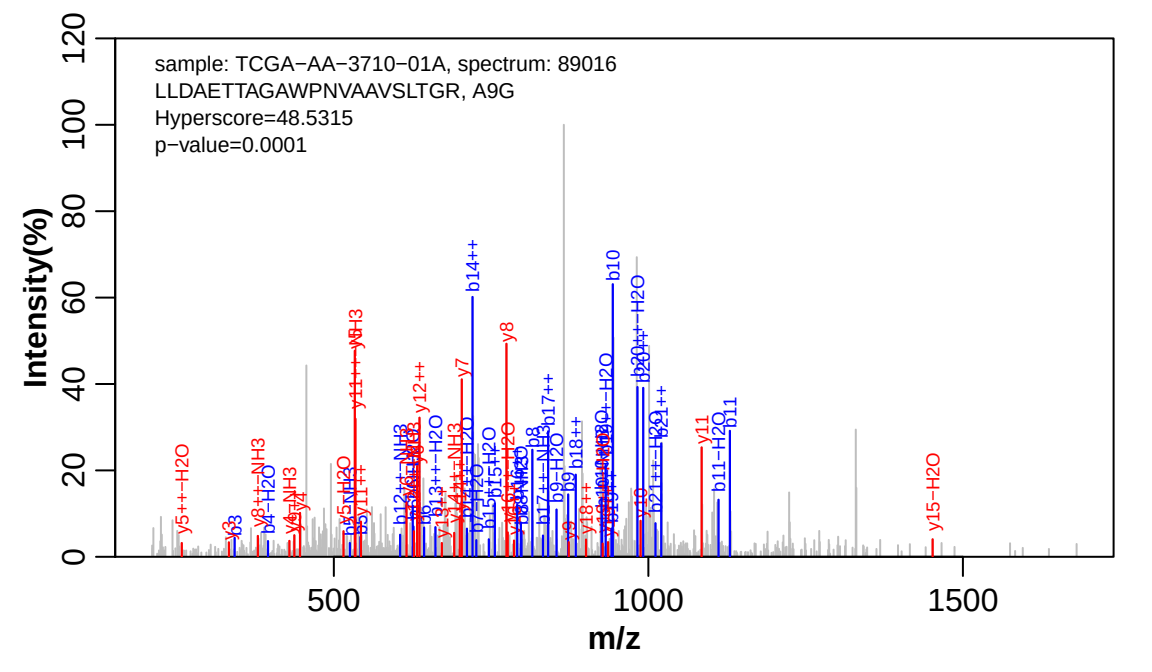

sample: TCGA−AA−3710−01A, spectrum: 70086
LAGALGPCLSLNVK, V9I
Hyperscore=20.4020
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
b4
b5
y4−H2O
b6
y5
y6
b9
y8
b10
y9
y10
b13

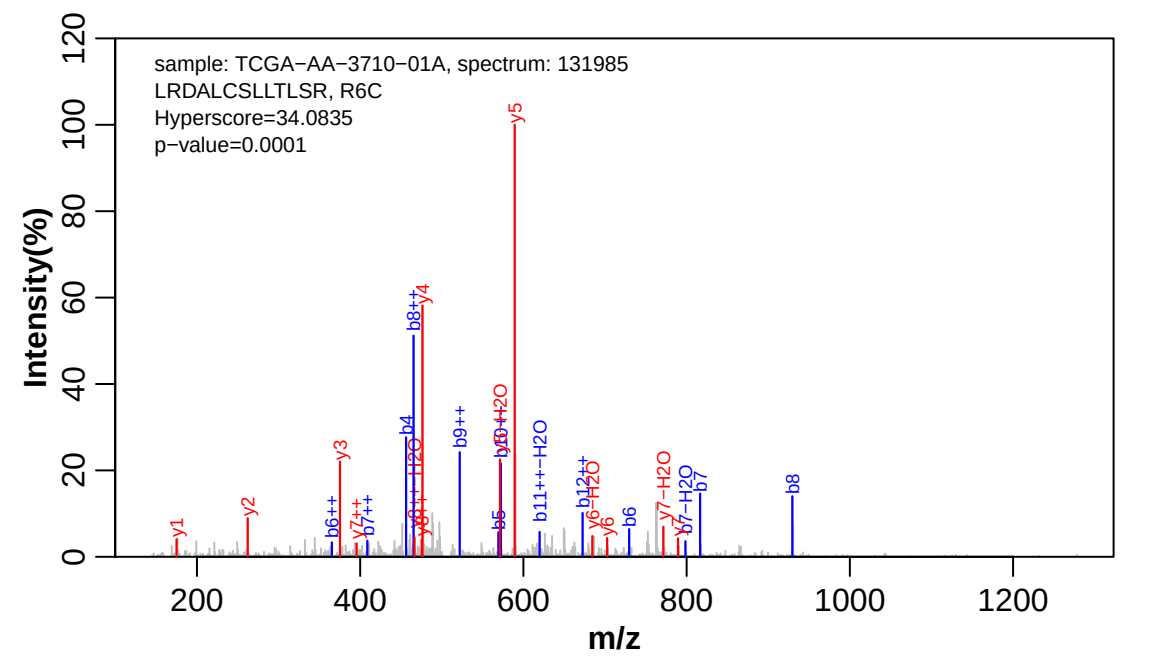

sample: TCGA−AA−3710−01A, spectrum: 7853
LALSPNAQLLALASGSSLHLYNTR, V9I
Hyperscore=29.2952
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
b4−H2O
b4
y4
b15++
y13++
b16++−H2O
y15y6+
y18++
y20++
y21++
y22++
y11
b16−NH3

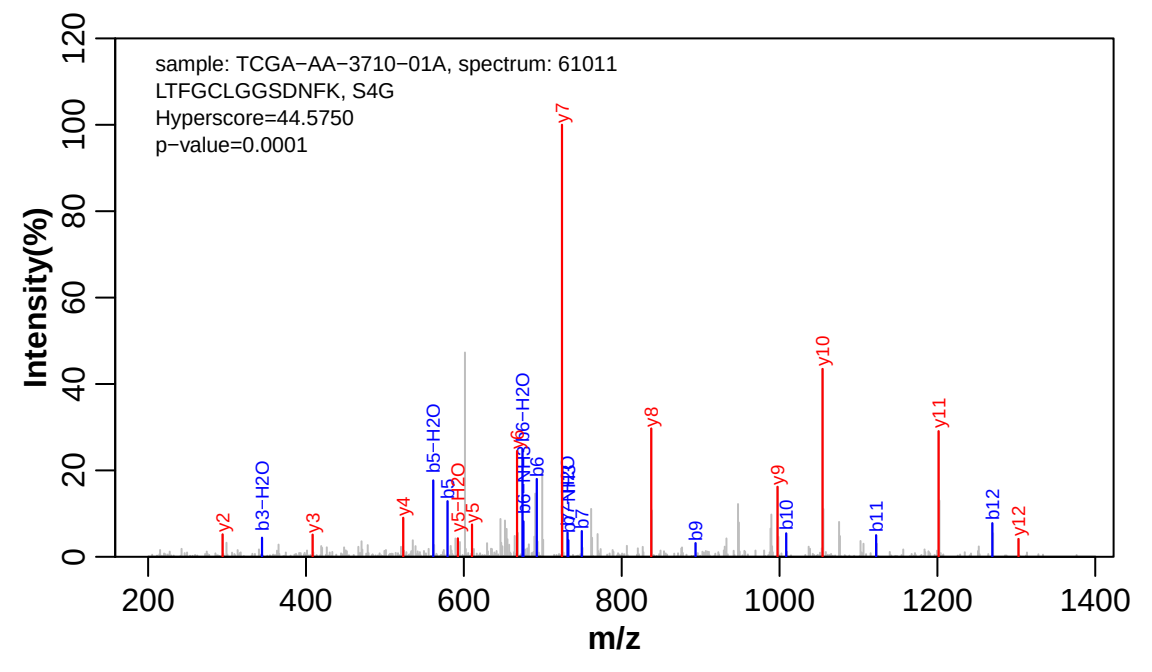

sample: TCGA−AA−3710−01A, spectrum: 60967
LCLDAMHGVVGPYVK, R2C
Hyperscore=25.4327
p−value=0.0001
Intensity(%)
m/z
y13++
y14++
y12++
y10++−H2O
y7−H2O
y6
y8
y5
b2−NH3
b2
b3
b4

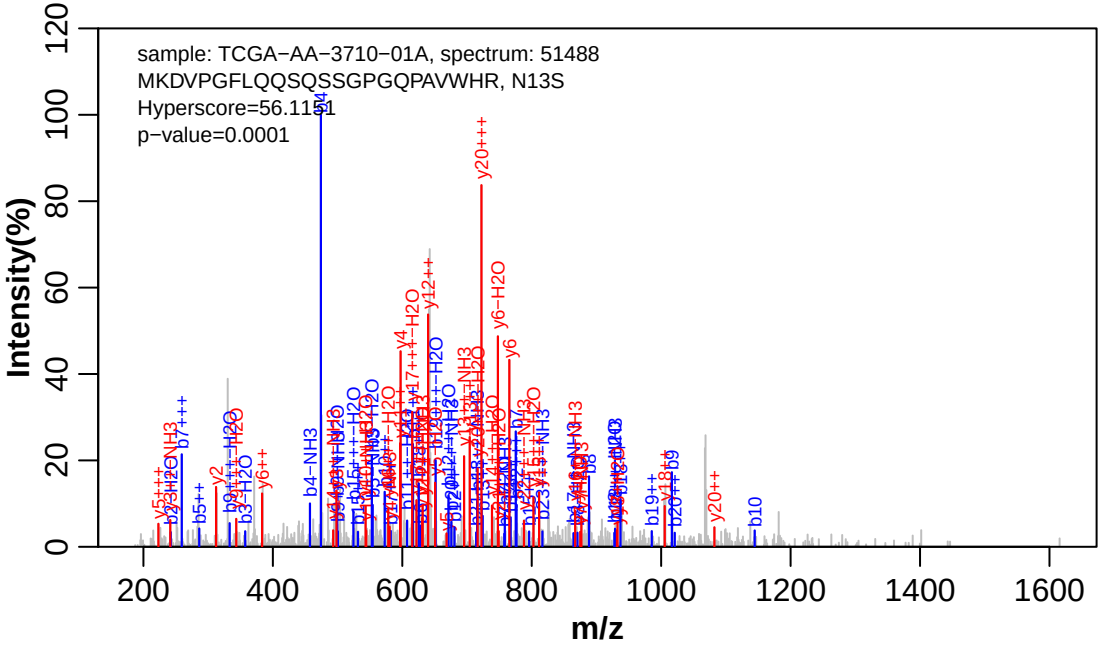

sample: TCGA−AA−3710−01A, spectrum: 25045
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=82.5222
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
y5
y6
y7
b14++
b10
b7
b13++
b12++
b5
b8
y10
b9
b11
b12
y2
b2
y3
b7++
y13++
b15++
y18++

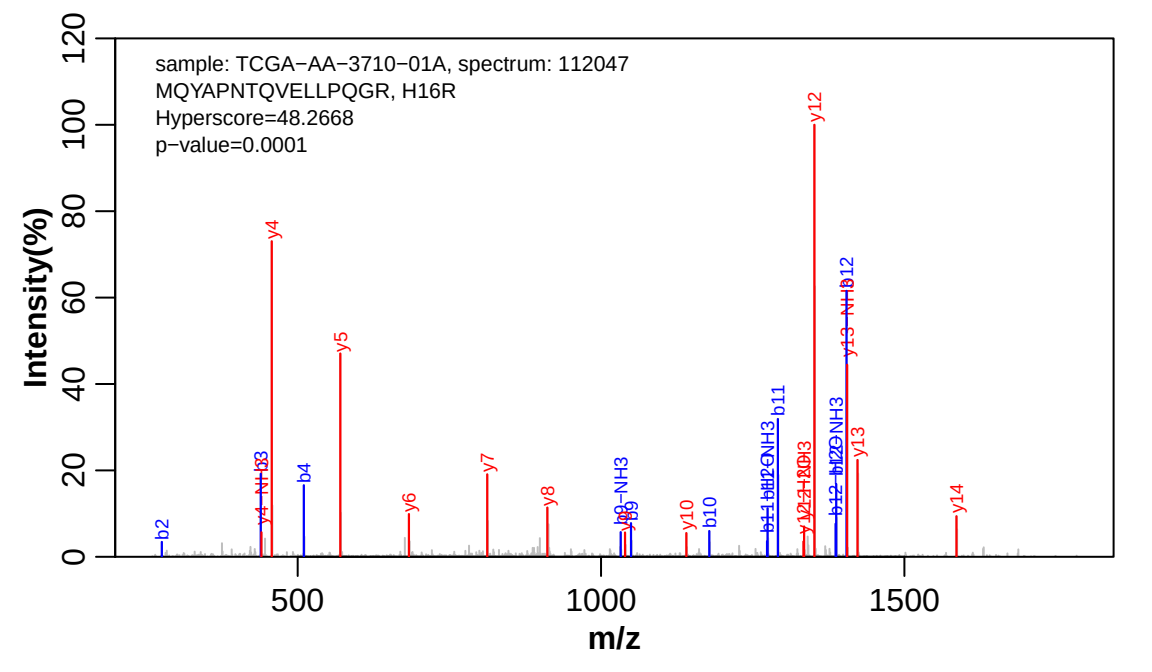

sample: TCGA−AA−3710−01A, spectrum: 40889
LHVLVEPDHFK, Q2H
Hyperscore=43.9867
p−value=0.0001
Intensity(%)
m/z
y5
b6
b5
b2
y7++−H2O
y9++
y5++
b4
y6++−H2O
y8++
y9++−H2O
y6−H2O
y7
y1−NH3
b2−NH3
y1
y2
y5++−H2O
b3−H2O
b3
y7++
y10++
y5−NH3
y6
y4
b9++

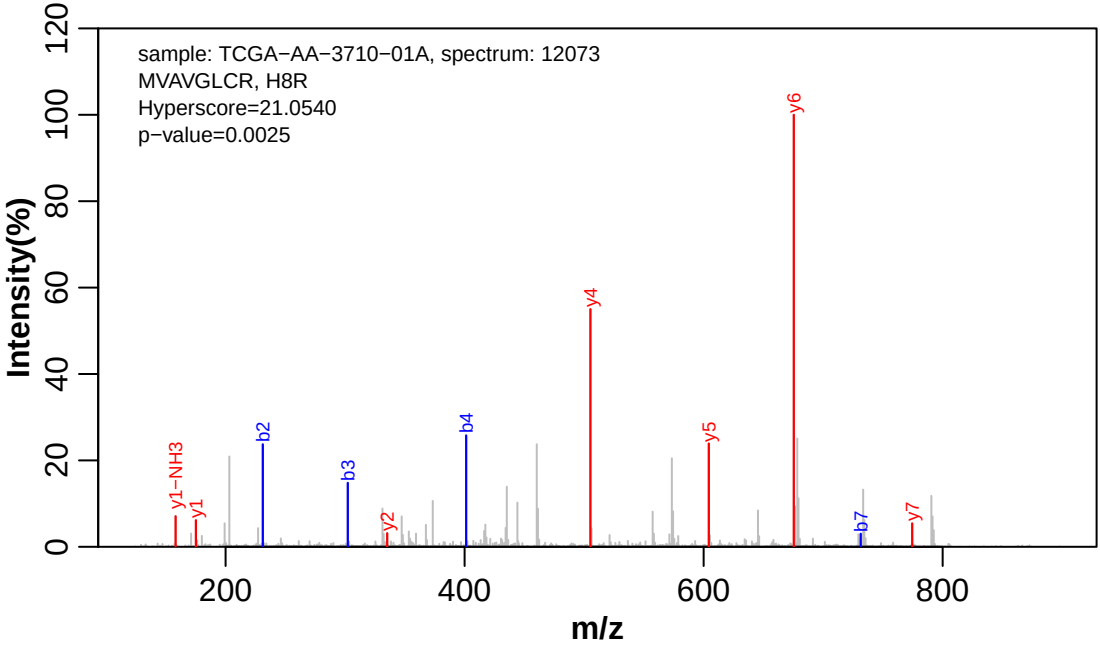

sample: TCGA−AA−3710−01A, spectrum: 89016
LLDAETTAGAWPNVAAVSLTGR, A9G
Hyperscore=48.5315
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

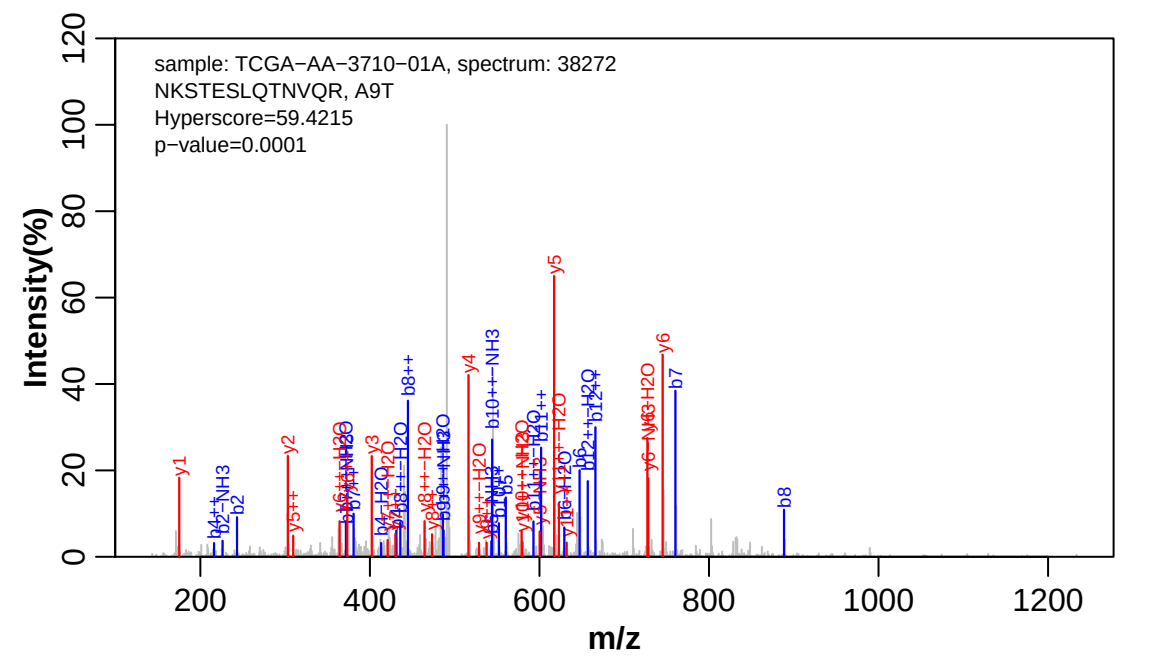

sample: TCGA−AA−3710−01A, spectrum: 131985
LRDALCSLLTLSR, R6C
Hyperscore=34.0835
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
y2
y3
b6++
y4++
b7++
b8++
y4
b4
y8++−H2O
b9++
y5
y5−H2O
b5
b11++−H2O
b12++
y6−H2O
y6
b6
y7−H2O
y7
b7−H2O
b7
b8

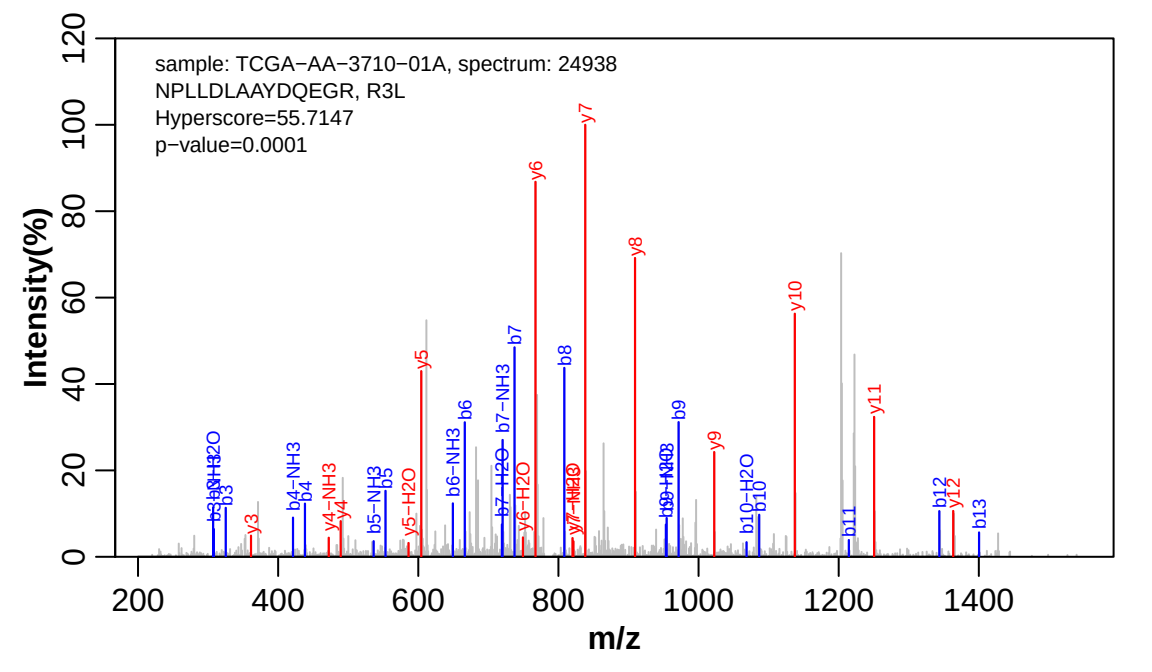

sample: TCGA−AA−3710−01A, spectrum: 61011
LTFGCLGGSDNFK, S4G
Hyperscore=44.5750
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3−H2O
y3
y4
b5−H2O
b5
y5−H2O
y5
b6−NH3
y6−H2O
b6
y7
y8
b7
b9
y9
b10
y10
b11
y11
b12
y12

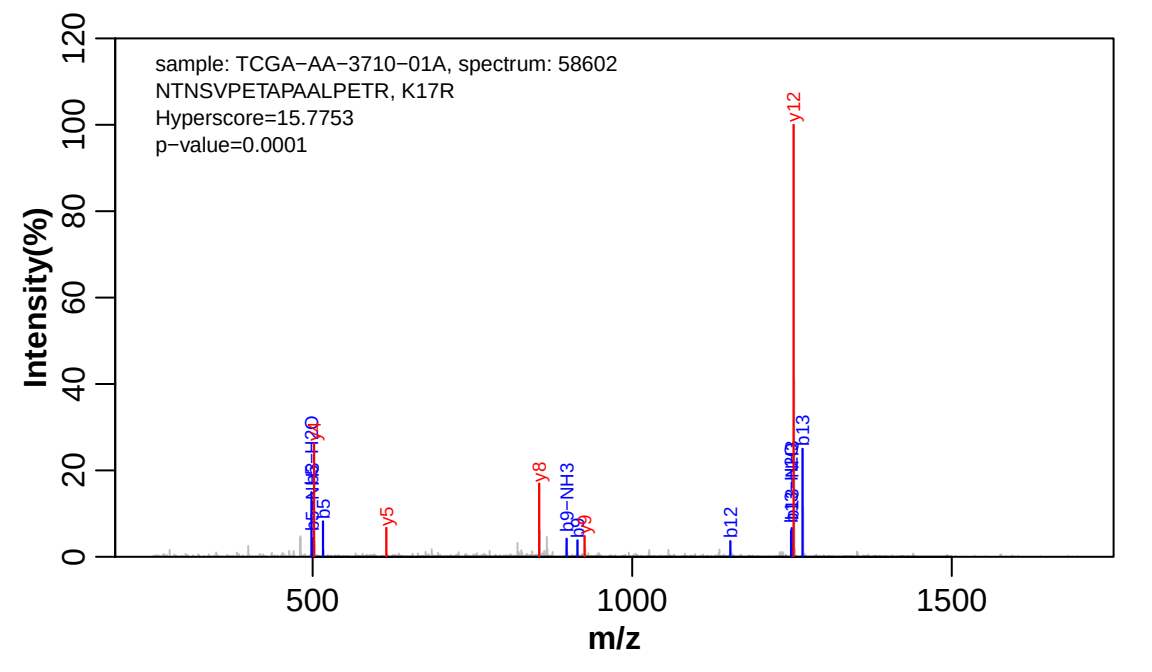

sample: TCGA−AA−3710−01A, spectrum: 51488
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=56.1151
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4
y20+++
y6−H2O
y6
y12++
y4
b4−NH3
y20++
b10
b7+++
b5++
y2
y6++

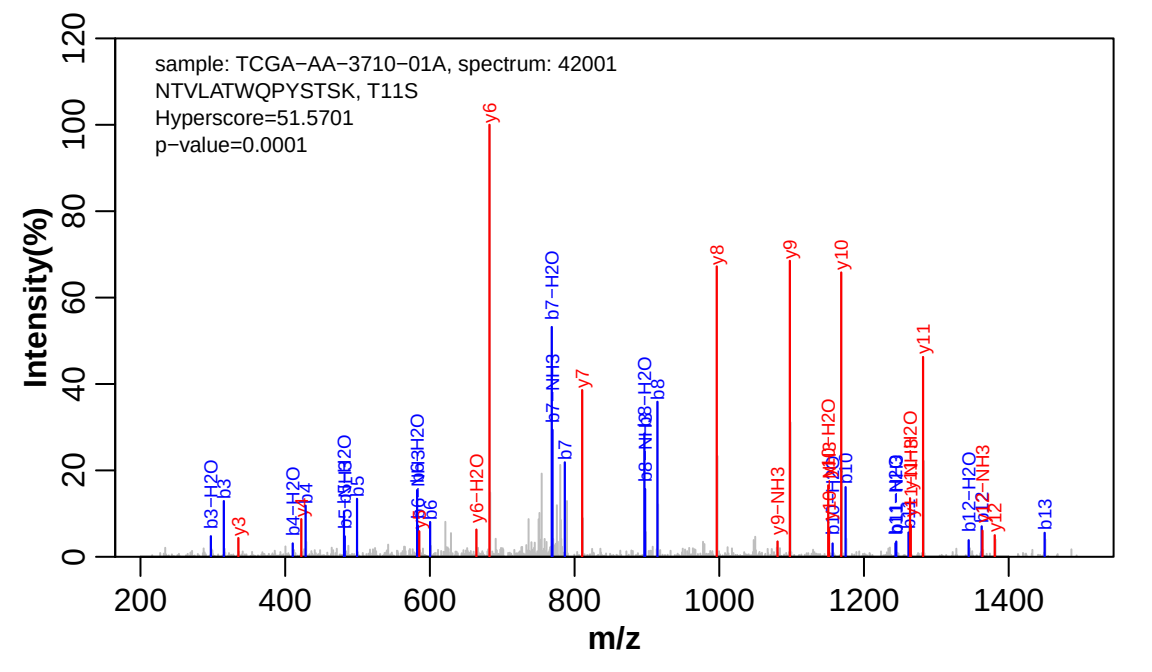

sample: TCGA−AA−3710−01A, spectrum: 112047
MQYAPNTQVELLPQGR, H16R
Hyperscore=48.2668
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y4
y4−NH3
b3
b4
y5
y6
y7
y8
b8−NH3
b9
y10
b10
b11
b11−NH3
y12
y12−NH3
b12
b12−NH3
y13
y13−NH3
b12
y14

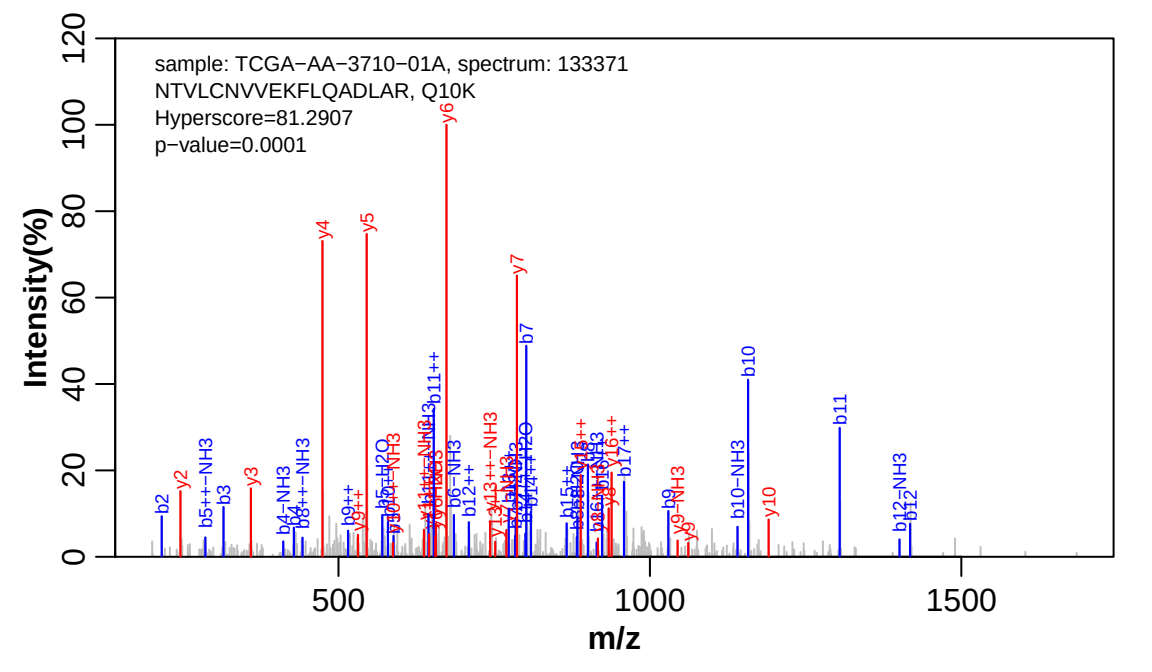

sample: TCGA−AA−3710−01A, spectrum: 12073
MVAVGLCR, H8R
Hyperscore=21.0540
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2
b3
y2
b4
y4
y5
y6
b7
y7

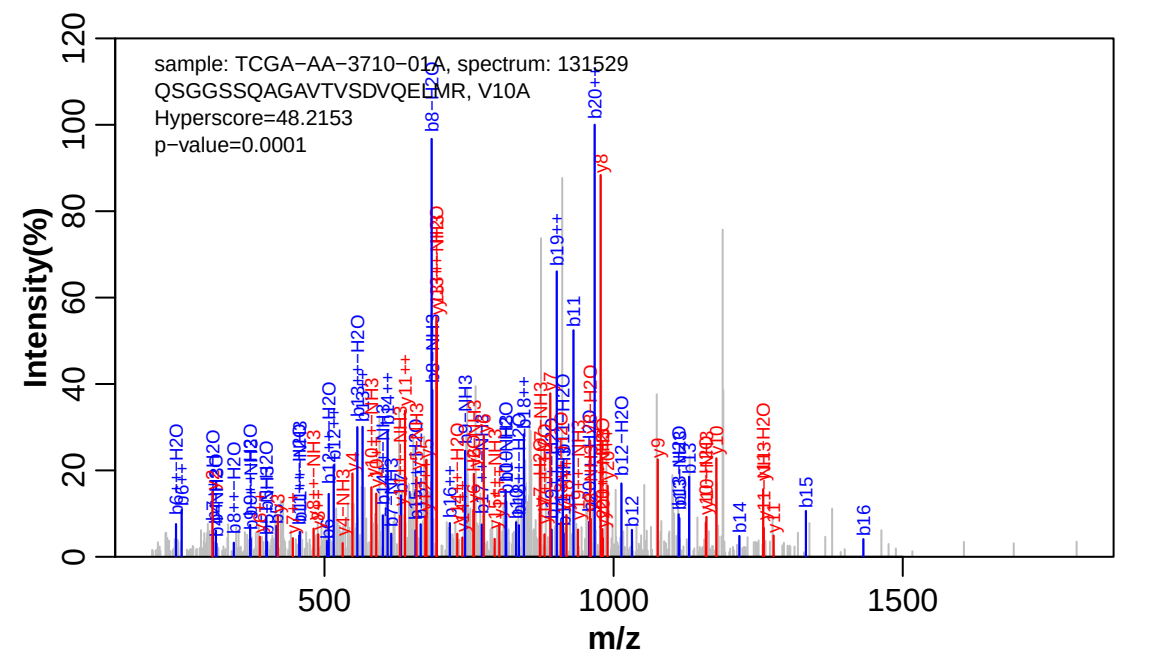

sample: TCGA−AA−3710−01A, spectrum: 38272
NKSTESLQTNVQR, A9T
Hyperscore=59.4215
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2
y2
y5++
b8++
y4
b10++−NH3
y5
y6
b7
b8

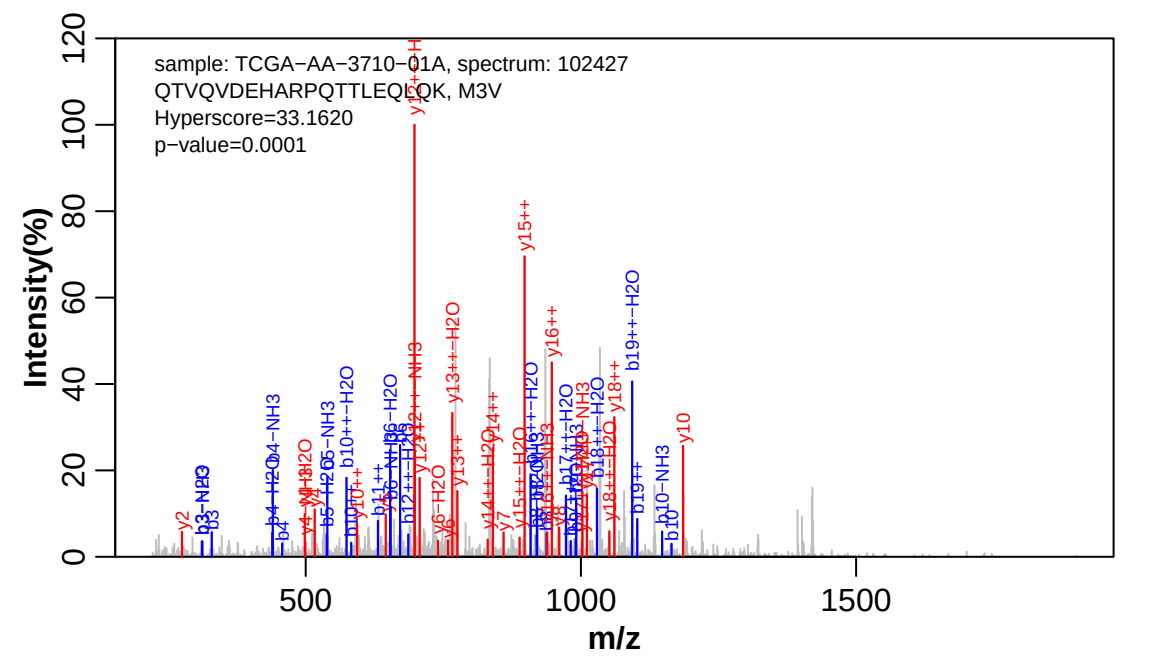

sample: TCGA−AA−3710−01A, spectrum: 24938
NPLLDLAAYDQEGR, R3L
Hyperscore=55.7147
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y6
y8
y10
y11
y5
b8
b7
b7−NH3
b6
b6−NH3
b9
y9
b10−H2O
b10
b11
b12
y12
b13
b5−NH3
b5
y5−H2O
y4−NH3
y4
b4−NH3
b4
y3
b3

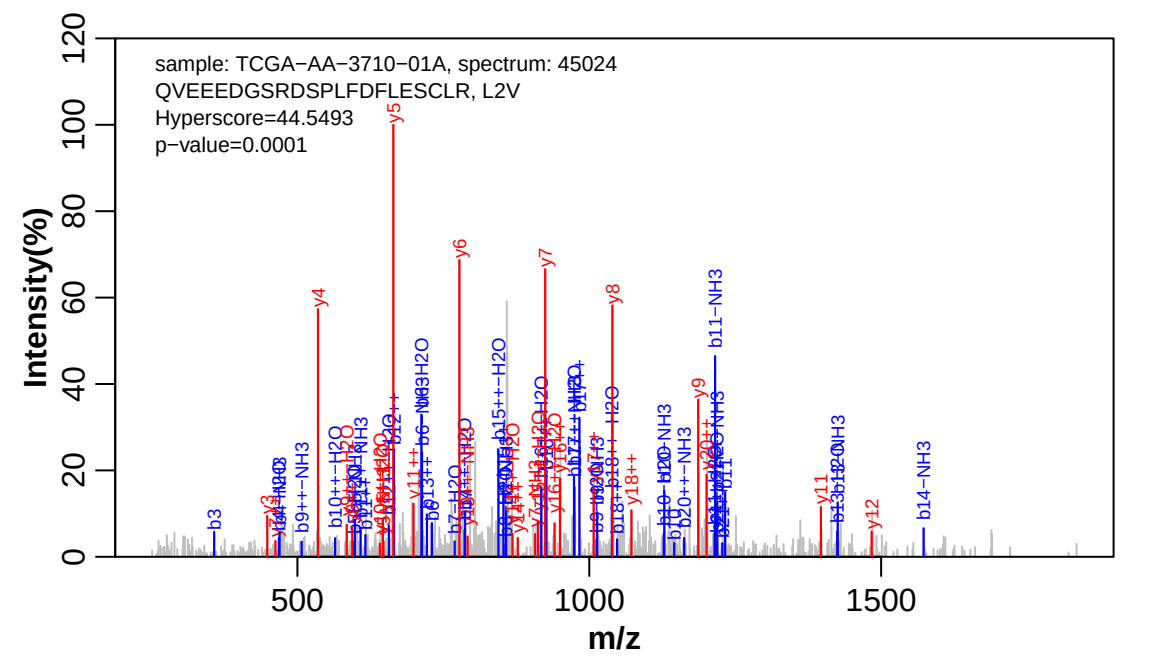

sample: TCGA−AA−3710−01A, spectrum: 58602
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7753
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y8
y5
b13
b12
b9−NH3

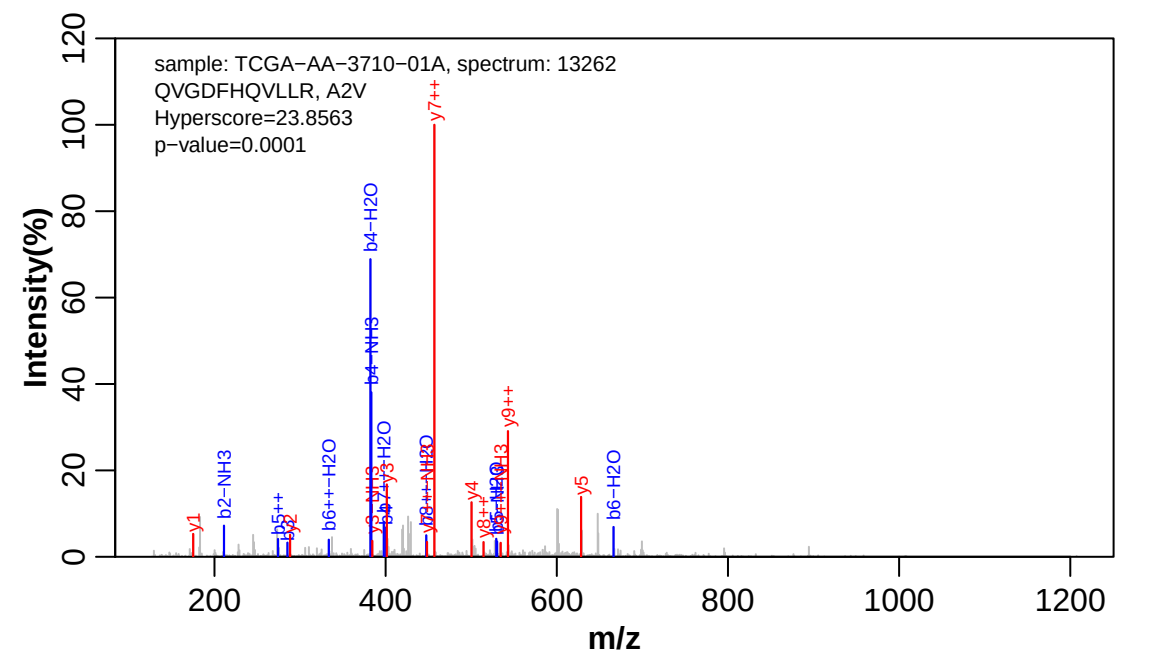

sample: TCGA−AA−3710−01A, spectrum: 42001
NTVLATWQPYSTSK, T11S
Hyperscore=51.5701
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6
y8
y9
y10
y11
y7
b7−H2O
b7−NH3
b8
b7
y6−H2O
y9−NH3
b13
y12
y12−NH3
b12−H2O
b3−H2O
b3
y3
b4−H2O
y4
b5−H2O
b5
b6
b10

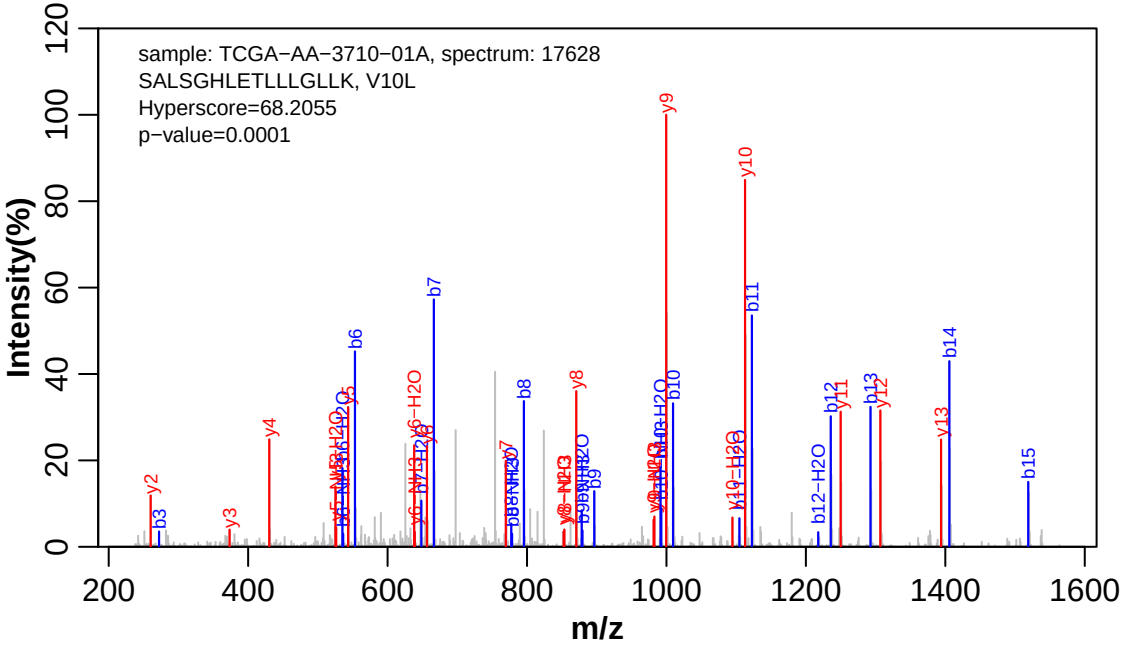

sample: TCGA−AA−3710−01A, spectrum: 133371
NTVLCNVVEKFLQADLAR, Q10K
Hyperscore=81.2907
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y4
y5
y7
b7
b10
b11
b12
y2
y3
b2
b3
b5++−NH3
b8++−NH3
b12++
b6−NH3
y10
y9−NH3
b10−NH3
b12−NH3

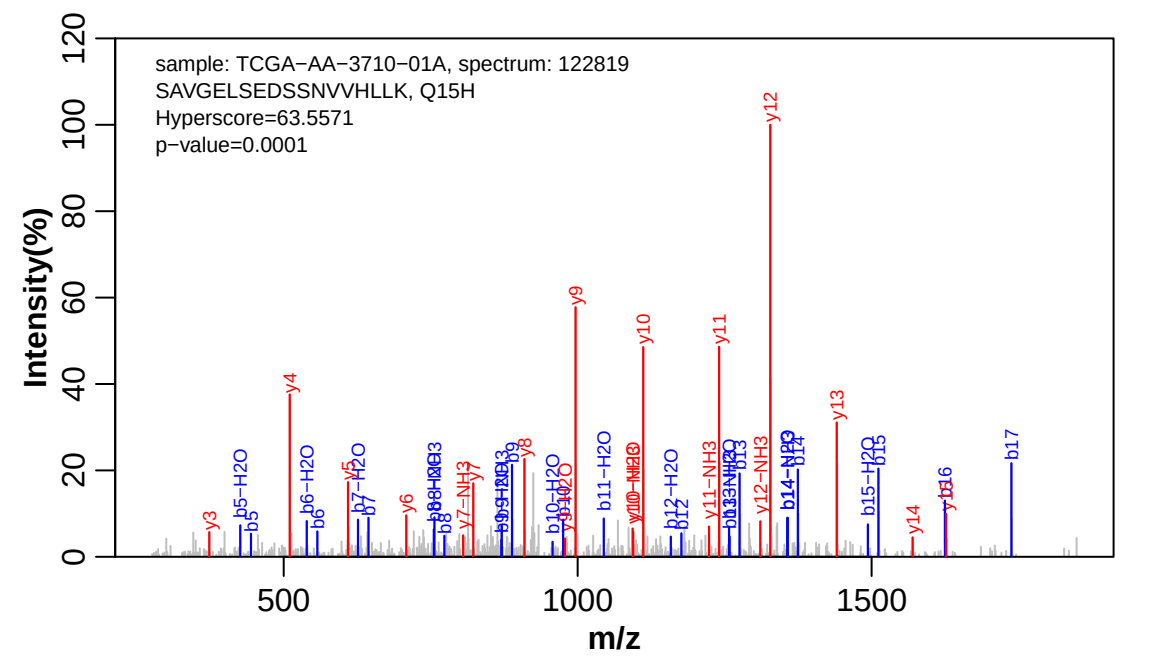

sample: TCGA−AA−3710−01A, spectrum: 131529
QSGGSSQAGAVTVSDVQELMR, V10A
Hyperscore=48.2153
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

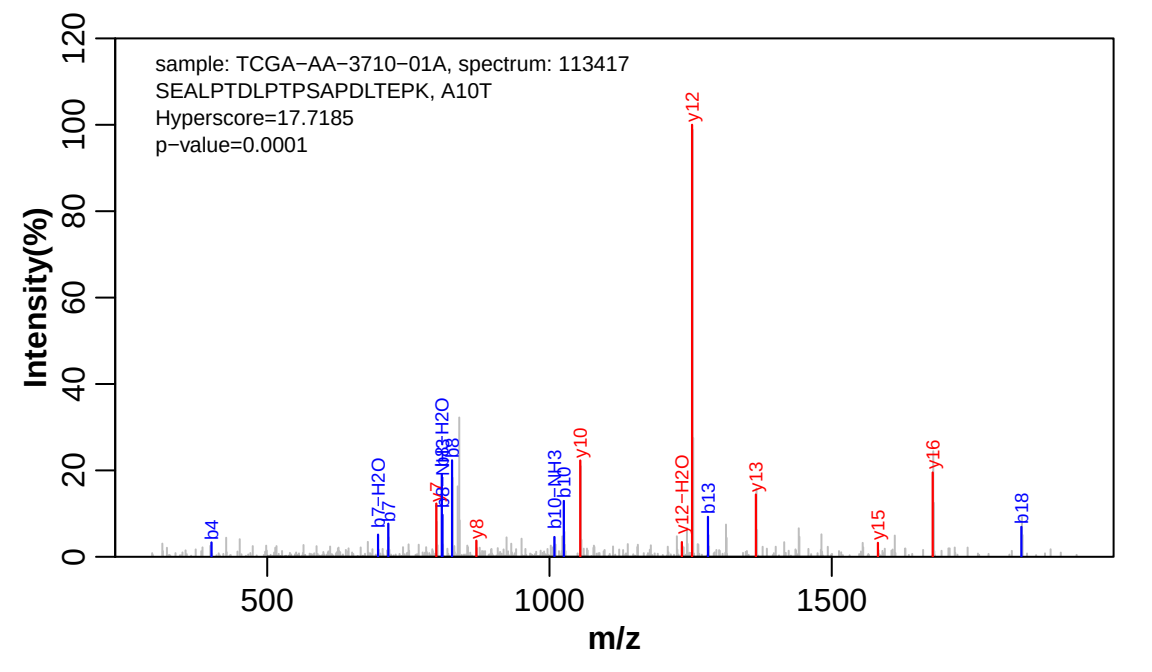

sample: TCGA−AA−3710−01A, spectrum: 102427
QTVQVDEHARPQTTLEQLQK, M3V
Hyperscore=33.1620
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b3
b4
y6−H2O
y6
y13++
y12++−NH3
y16++
y15++
y13++−H2O
b19++−H2O
y10

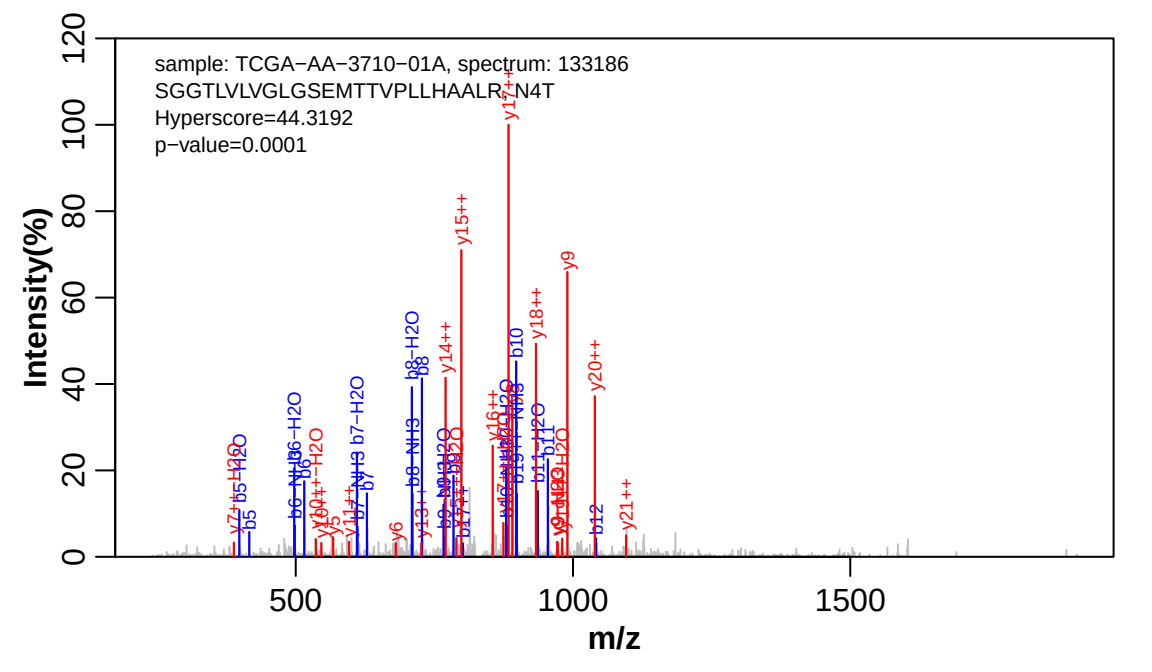

sample: TCGA−AA−3710−01A, spectrum: 45024
QVEEEDGSRDSPLFDFLESCLR, L2V
Hyperscore=44.5493
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
y6
y4
y7
y8
y9
y11
y12
y18++
b3
b9++−NH3
b10++−H2O
b11−NH3
b14−NH3
b15++−H2O

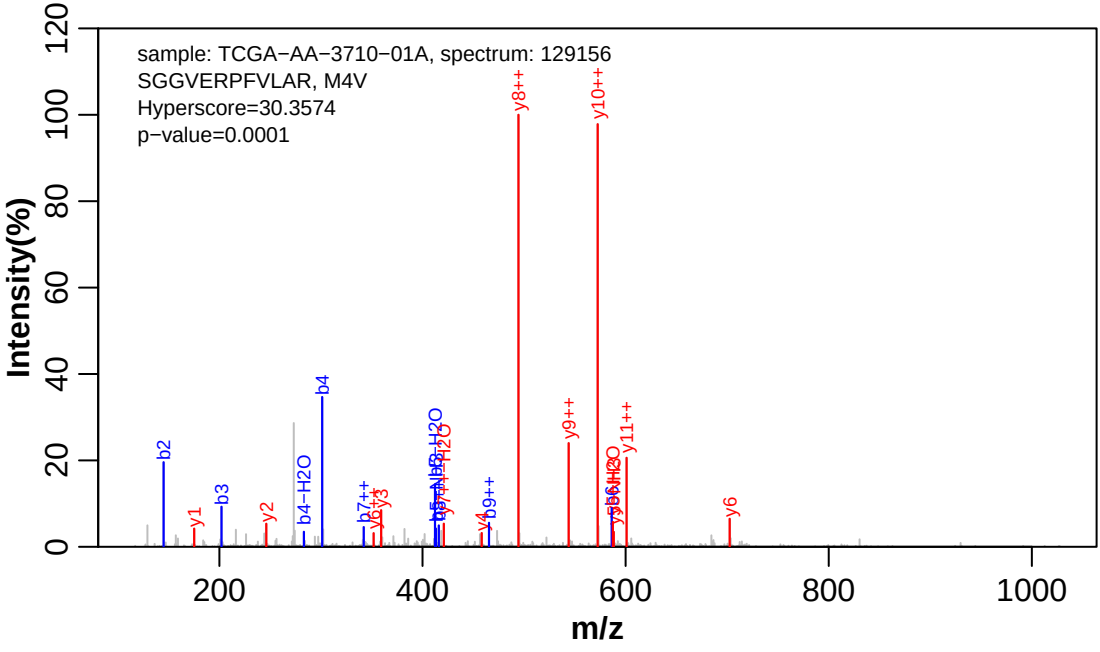

sample: TCGA−AA−3710−01A, spectrum: 13262
QVGDFHQVLLR, A2V
Hyperscore=23.8563
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2−NH3
b5++
y2
b6++−H2O
y3−NH3
y3−H2O
b4−H2O
b4−NH3
y7++
y8++−NH3
y8++−H2O
y4
y8++
b5−NH3
b5−H2O
y9++
y5
b6−H2O

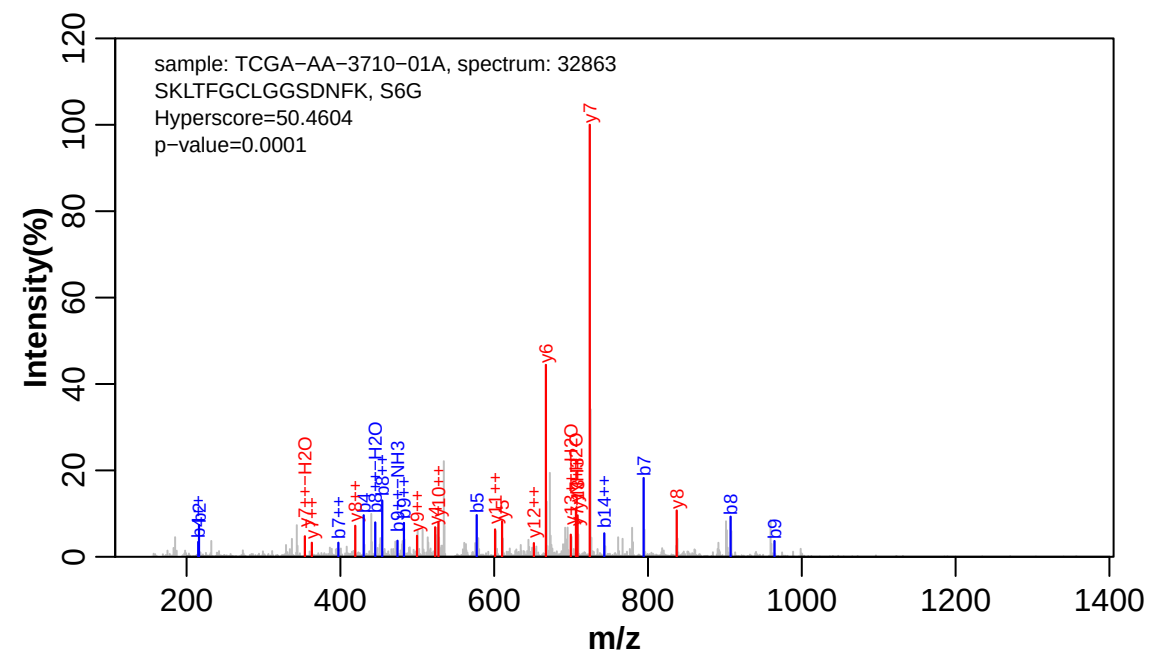

sample: TCGA−AA−3710−01A, spectrum: 17628
SALSGHLETLLLGLLK, V10L
Hyperscore=68.2055
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y10
b11
b7
b6
b14
y8
b8
b10
y4
y2
b3
y3
b15
y13
b12
y11
b13
y12
b12−H2O
y6−H2O
y10−H2O
b9
y5

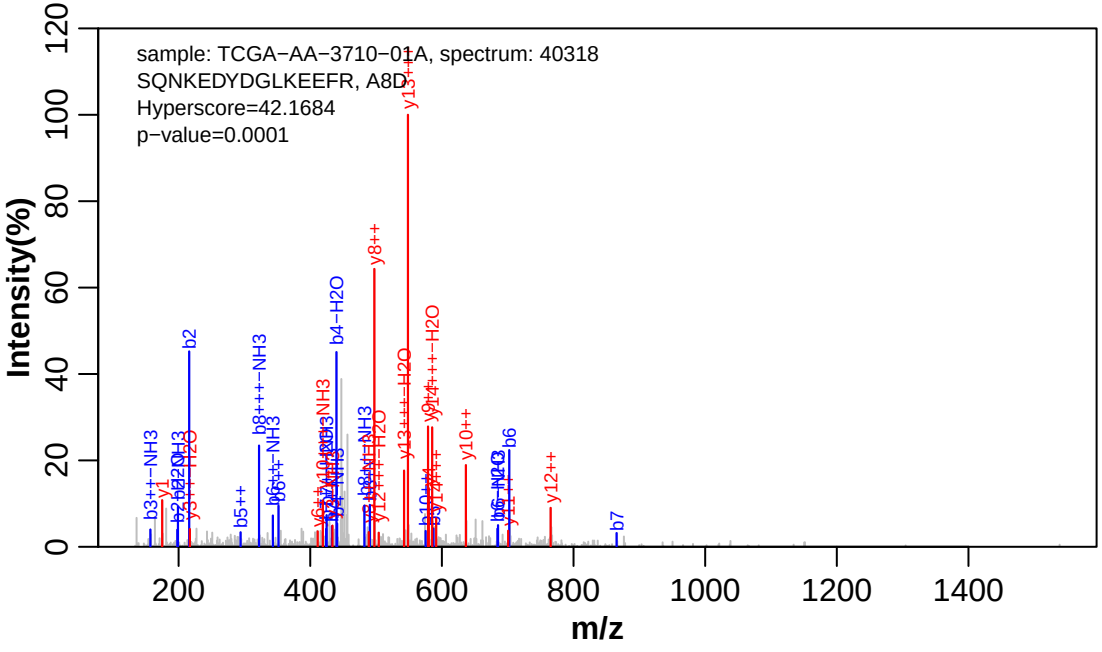

sample: TCGA−AA−3710−01A, spectrum: 122819
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=63.5571
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b5
b5−H2O
y4
b6
b6−H2O
y5
b7
b7−H2O
y6
b8
y7
y7−NH3
y8
b9
y9
b10−H2O
y10
b11−H2O
y11
y11−NH3
b12
b12−H2O
y12
y12−NH3
y13
b15
b15−H2O
y14
b17

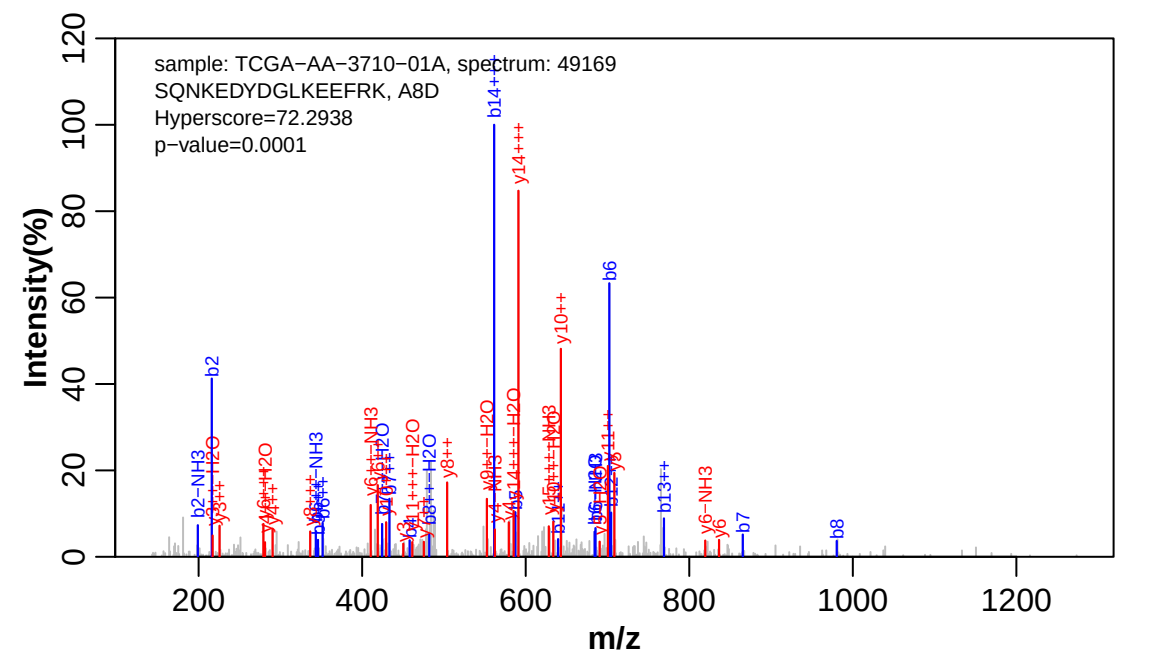

sample: TCGA−AA−3710−01A, spectrum: 113417
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=17.7185
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
b7−H2O
b7
b8−NH3
b8
y7−NH3−H2O
y8
b10−NH3
b10
y10
y12−H2O
y12
b13
y13
y15
y16
b18

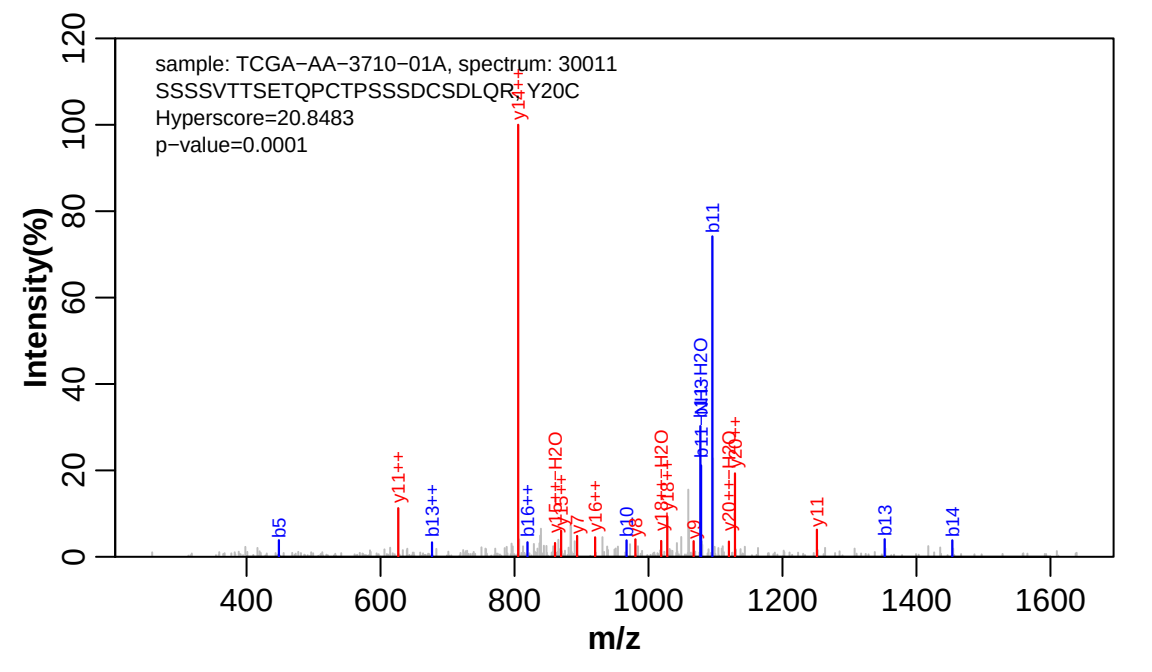

sample: TCGA−AA−3710−01A, spectrum: 133186
SGGTLVLVGLGSEMTTVPLLHAALR_N4T
Hyperscore=44.3192
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y15++
y9
y18++
y20++
y14++
b10
b8−H2O
b8
b6−NH3
b6−H2O
b7−H2O
b7
y21++
b12
y6
y5
y10++
b5
b5−H2O

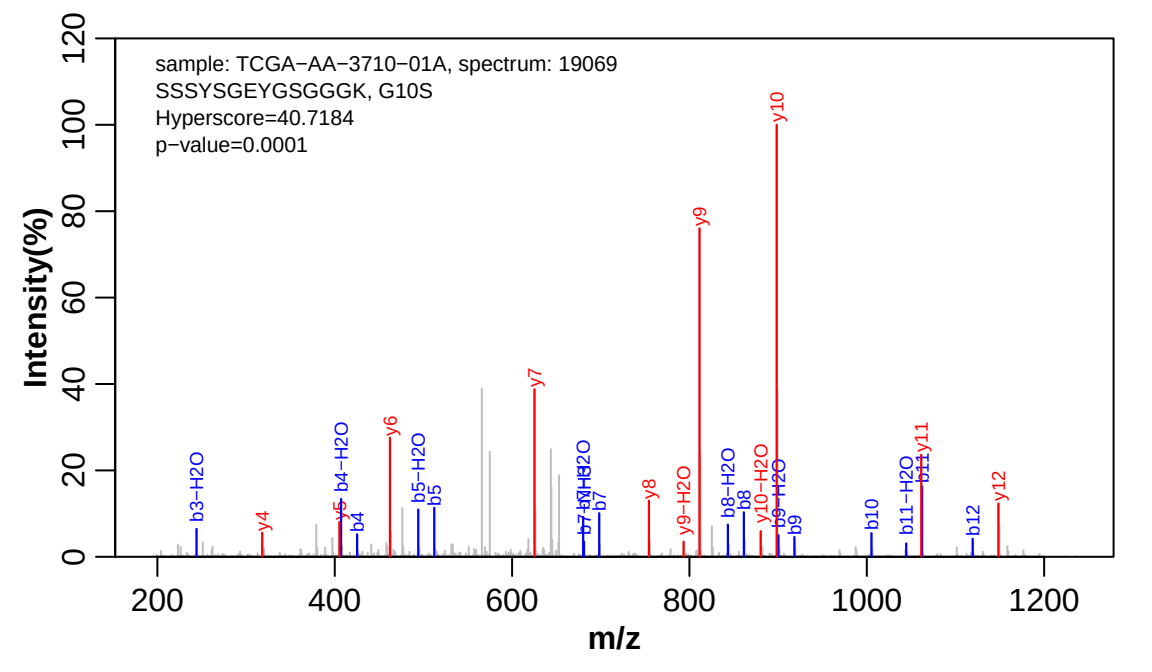

sample: TCGA−AA−3710−01A, spectrum: 129156
SGGVERPFVLAR, M4V
Hyperscore=30.3574
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
b3
y2
b4
b4−H2O
b7++
y3
y8++
y10++
y9++
y11++
y6
b9++
y4

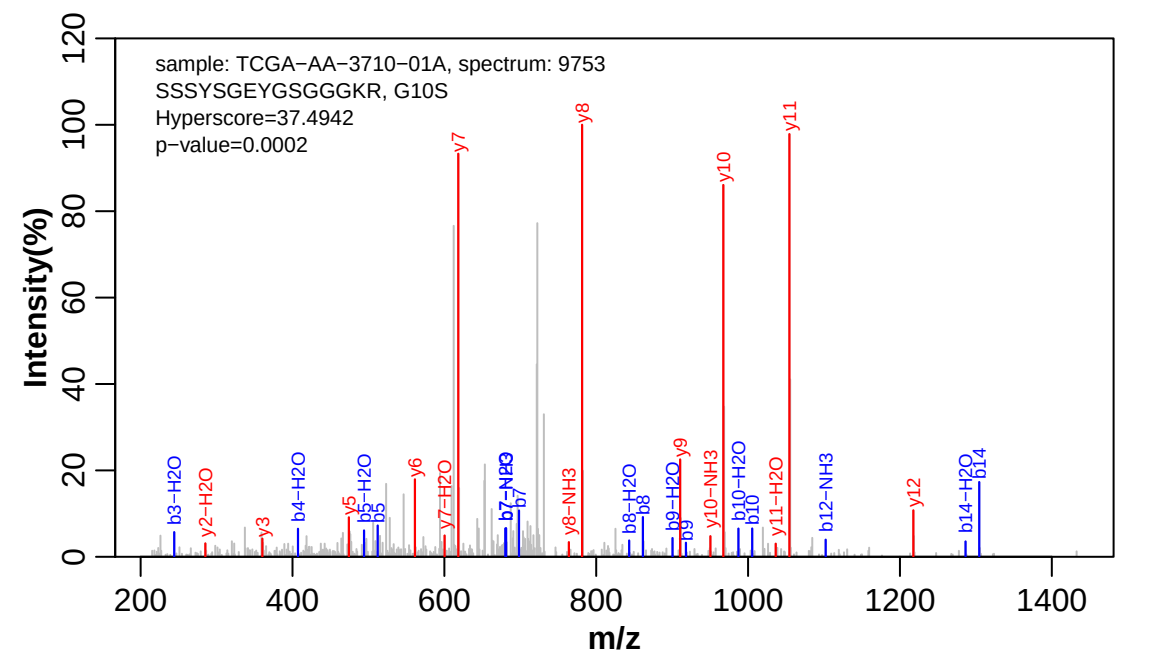

sample: TCGA−AA−3710−01A, spectrum: 32863
SKLTFGCLGGSDNFK, S6G
Hyperscore=50.4604
p−value=0.0001
Intensity(%)
m/z
y7
y6
b7
y8
b8
b9
b14++
b5
y5++
y12++
b7++
y8++
b8++
y9++
y10++
b4++
y7++−H2O
b8++−H2O
b8++−NH3

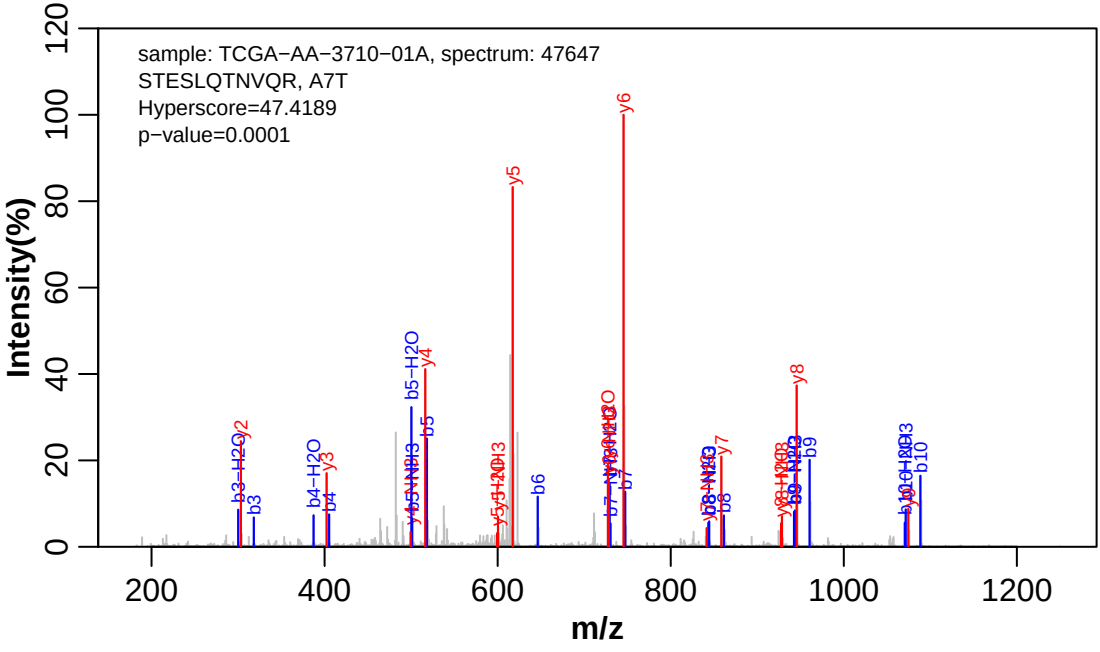

sample: TCGA−AA−3710−01A, spectrum: 40318
SQNKEDYDGLKEEFR, A8D
Hyperscore=42.1684
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3++−NH3
y1
b2
y3++−H2O
b5++
b8+++−NH3
b6++−NH3
b4−H2O
y8++
y13+++−H2O
y12+++−H2O
y10++
b6
y12++
b7

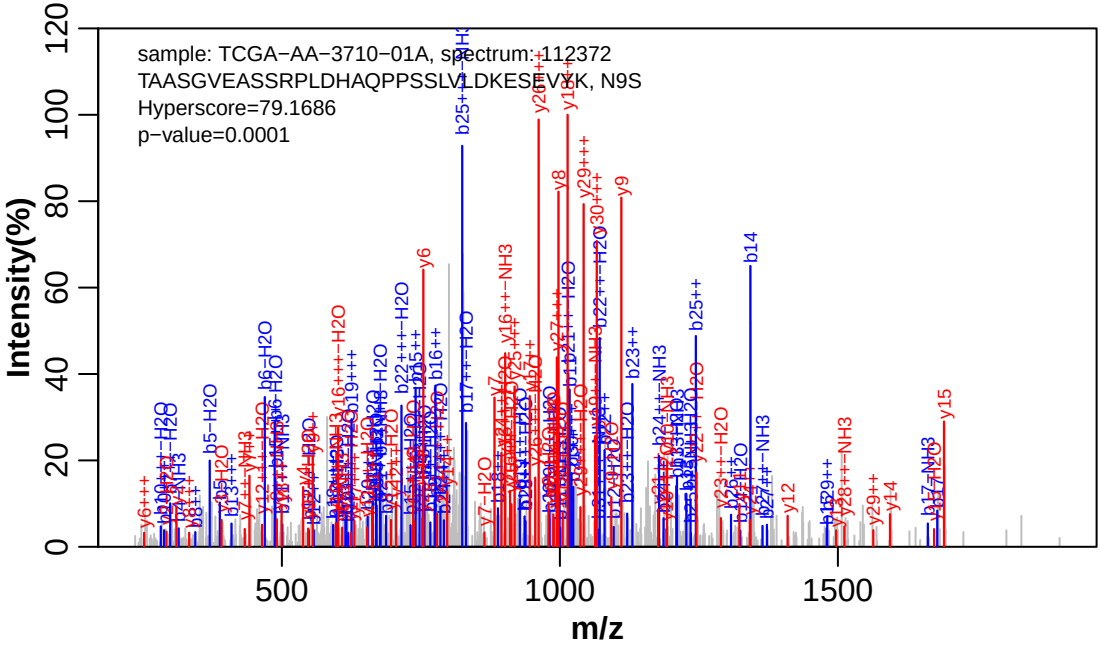

sample: TCGA−AA−3710−01A, spectrum: 49169
SQNKEDYDGLKEEFRK, A8D
Hyperscore=72.2938
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b14++
y14+++
b2
b6
y10++
y8++
b13++
y6−NH3
y6
b7
b8

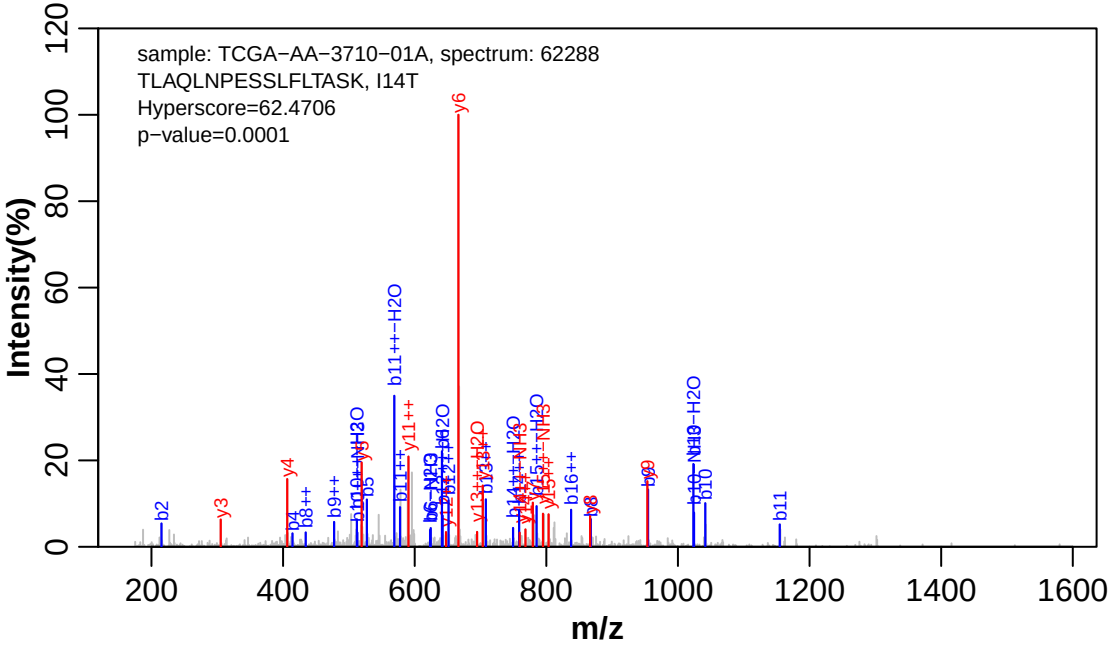

sample: TCGA−AA−3710−01A, spectrum: 30011
SSSSVTTSETQPCTPSSSDCSDLQR−Y20C
Hyperscore=20.8483
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600
y14++
b11
b11−NH3−H2O
b11−H2O
y11++
b13++
b16++
y16++−H2O
y16++
y7
b10
y8
y18++−H2O
y18++
y9
y20++−H2O
y20++
y11
b13
b14
b5

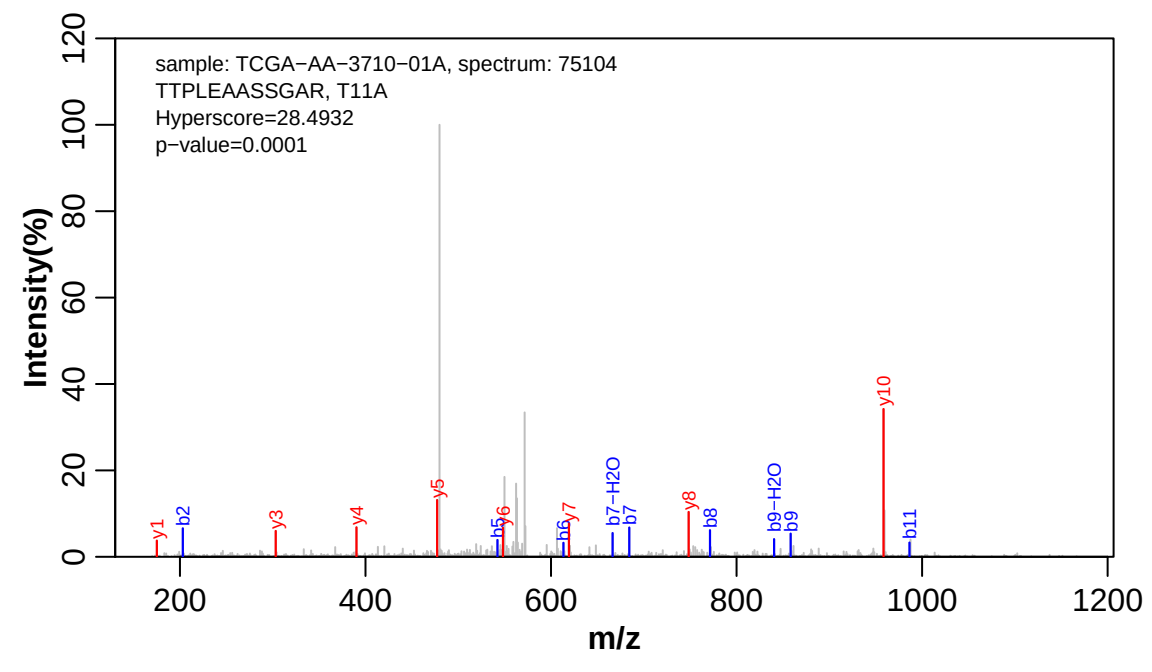

sample: TCGA−AA−3710−01A, spectrum: 19069
SSSYSGEYGSGGGK, G10S
Hyperscore=40.7184
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
b4−H2O
y5
b4
y6
b5−H2O
b5
y7
b7−H2O
b7
y8
y9−H2O
y9
b8−H2O
b8
y10−H2O
y10
b9−H2O
b9
b10
b11−H2O
b11
y11
b12
y12

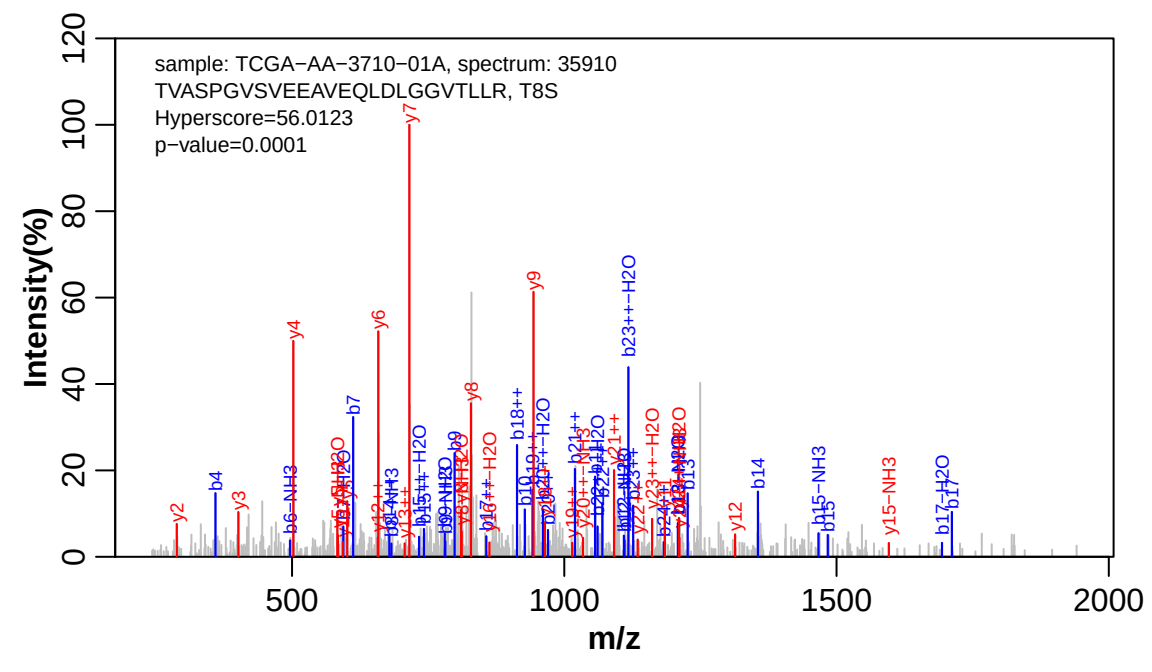

sample: TCGA−AA−3710−01A, spectrum: 9753
SSSYSGEYGSGGGKR, G10S
Hyperscore=37.4942
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
y2−H2O
y3
b4−H2O
y5
b5−H2O
b5
y6
y7−H2O
y7
b7−NH3
b7
y8−NH3
y8
b8−H2O
b8
b9−H2O
y9
b9
y10−NH3
y10
b10−H2O
b10
y11−H2O
y11
b12−NH3
y12
b14−H2O
b14

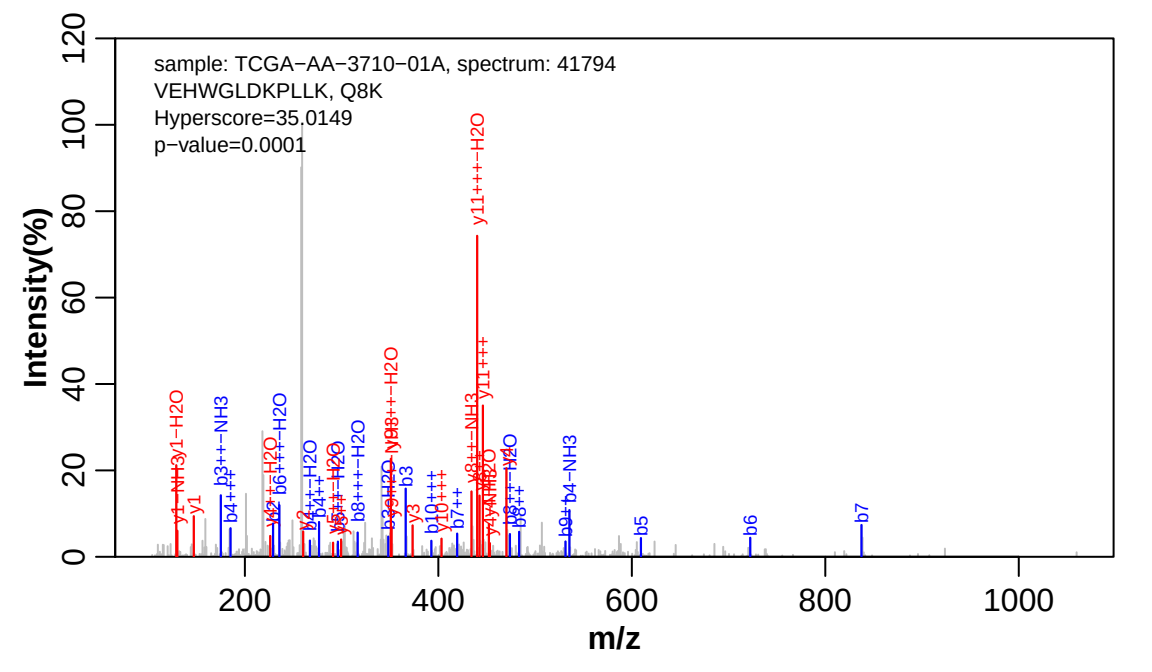

sample: TCGA−AA−3710−01A, spectrum: 47647
STESLQTNVQR, A7T
Hyperscore=47.4189
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y4
y8
y2
y3
y7
b5−H2O
b5
b6
b9
b10
b3−H2O
b3
b4−H2O
b4

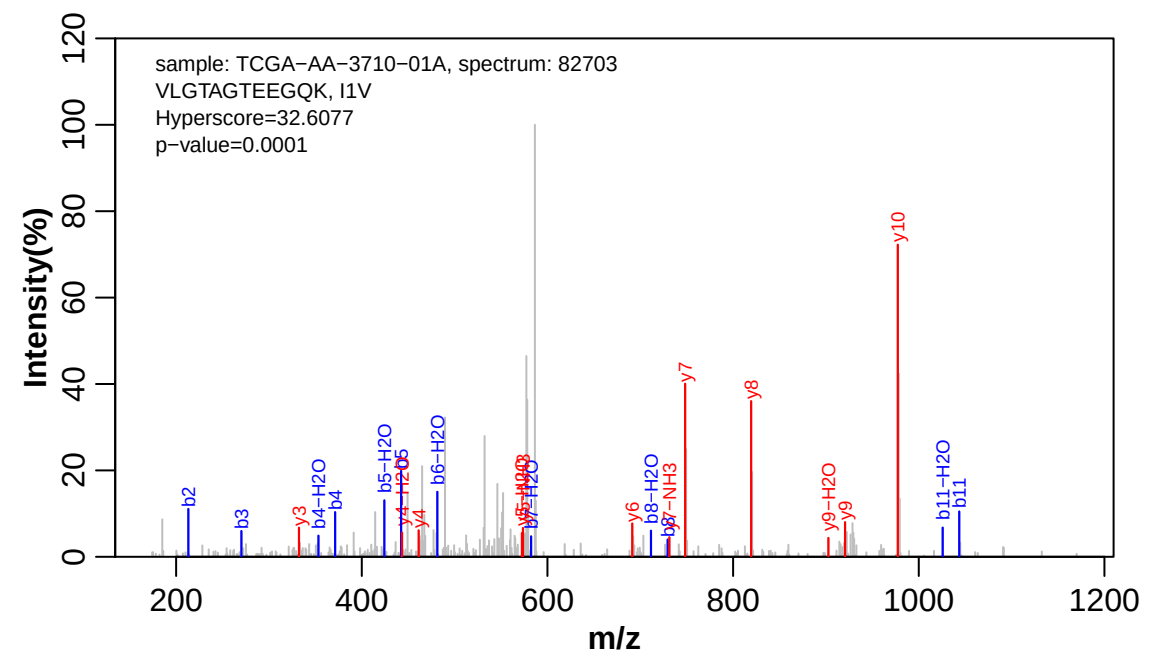

sample: TCGA−AA−3710−01A, spectrum: 112372
TAASGVEASSRPLDHAQPPSSLVLDKESEVVK, N9S
Hyperscore=79.1686
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

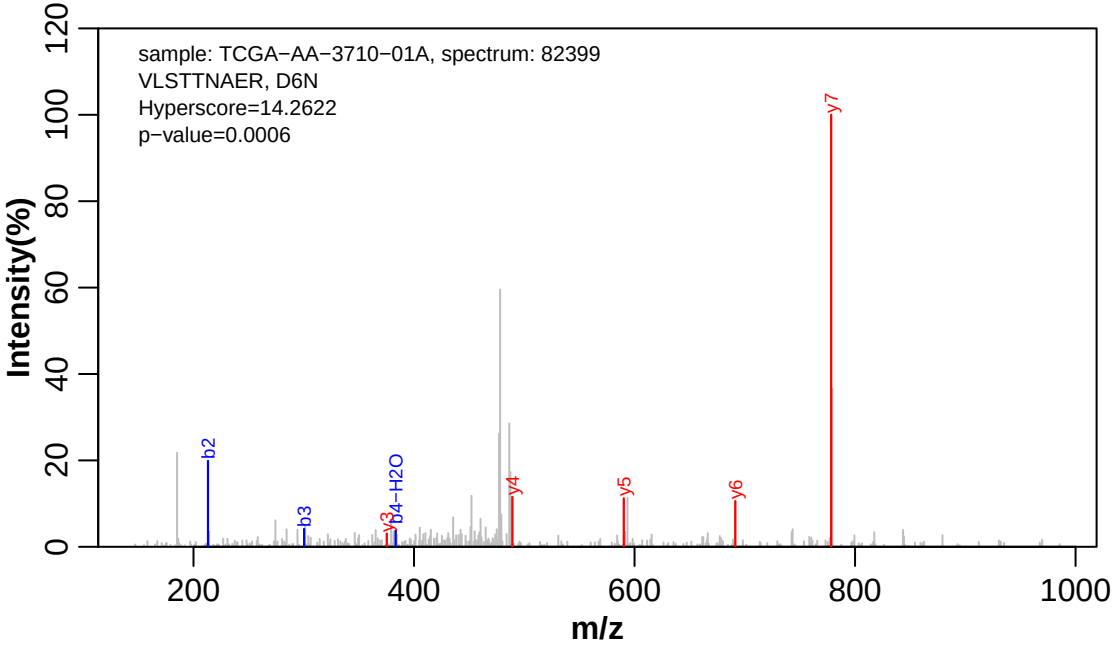

sample: TCGA−AA−3710−01A, spectrum: 62288
TLAQLNPESSLFLTASK, I14T
Hyperscore=62.4706
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
b11++−H2O
y4
b2
y3
b9++
b5
y11++
b11++
b16++
b10
b11

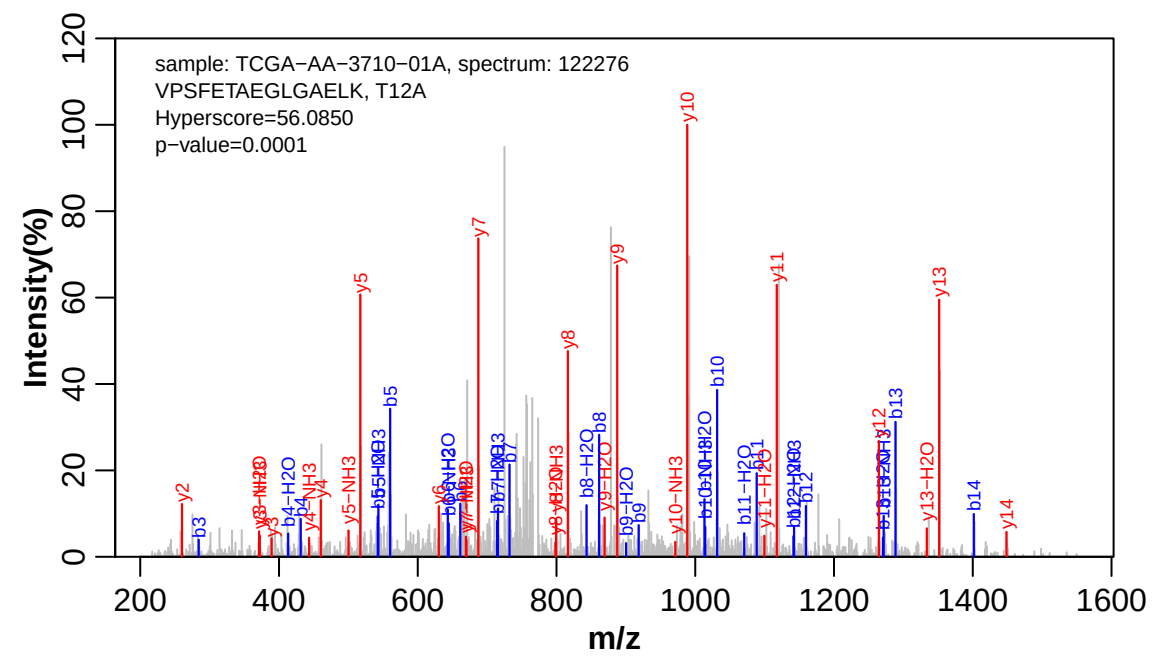

sample: TCGA−AA−3710−01A, spectrum: 75104
TTPLEAASSGAR, T11A
Hyperscore=28.4932
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
y1
b2
y3
y4
y5
b5
b6
y7
b7−H2O
b7
y8
b8
b9−H2O
b9
y10
b11

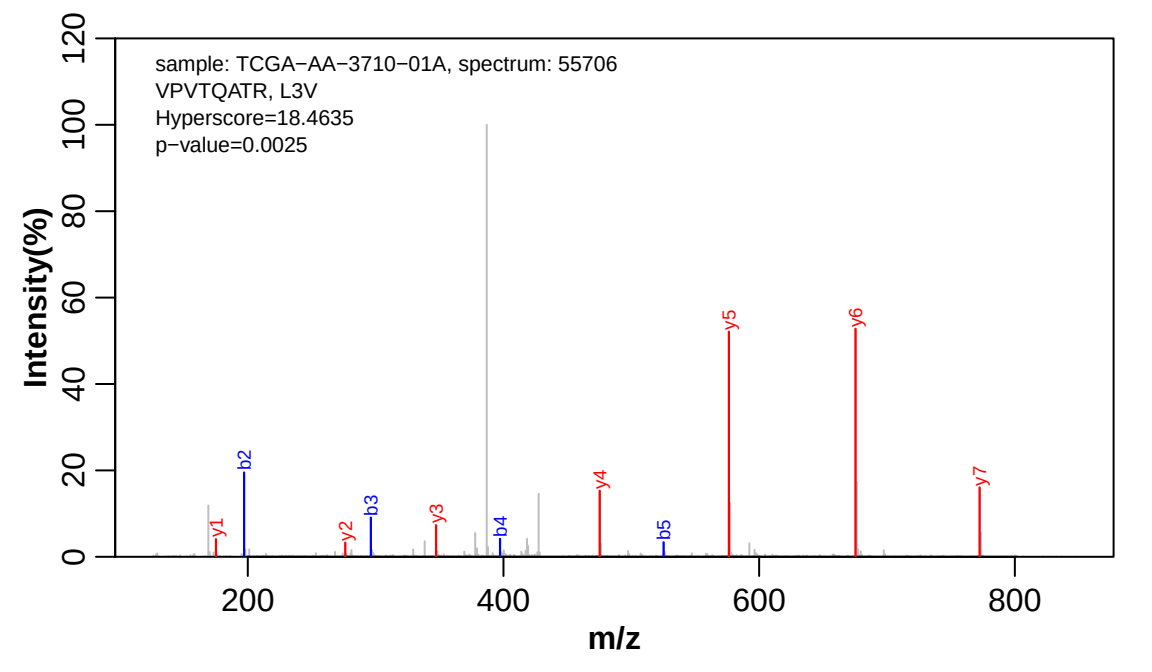

sample: TCGA−AA−3710−01A, spectrum: 35910
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=56.0123
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y7
y4
y6
y8
y9
b23++−H2O
b18++
b7
b4
y3
y2
b6−NH3
b14
y12
b15−NH3
y15−NH3
b17−H2O

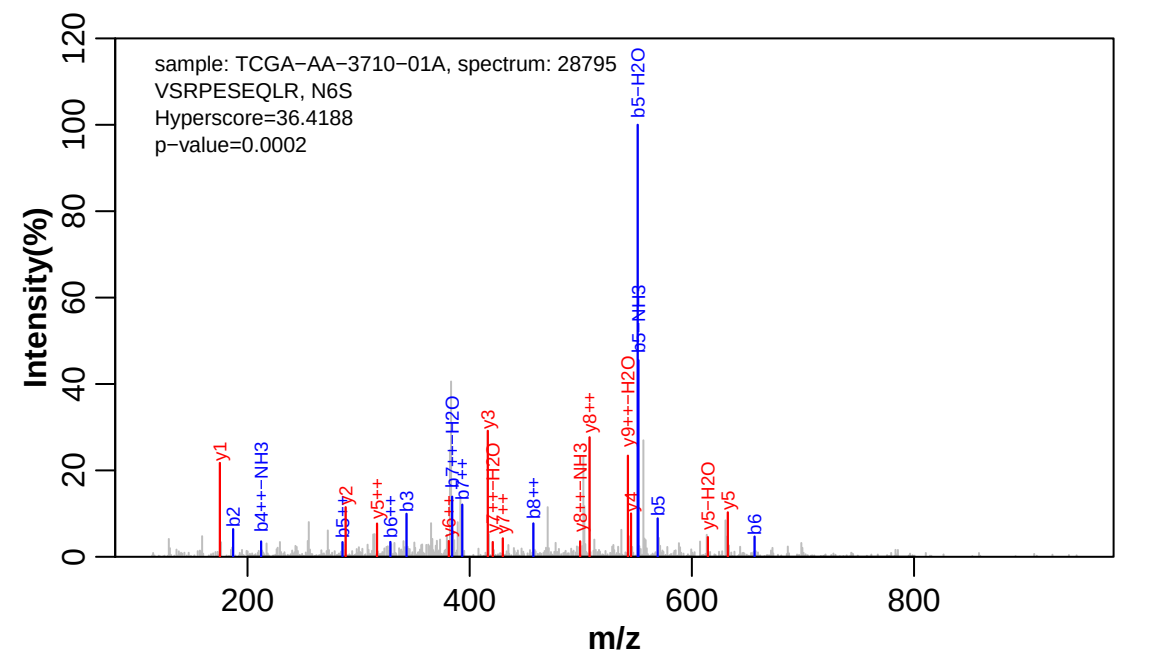

sample: TCGA−AA−3710−01A, spectrum: 41794
VEHWGLDKPLLK, Q8K
Hyperscore=35.0149
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y11+++−H2O
y11+++
y1−NH3
y1−H2O
y1
b3++−NH3
b4++
b6+++−H2O
b8+++−H2O
b3
y3
b10+++
b7++
b5
b6
b7

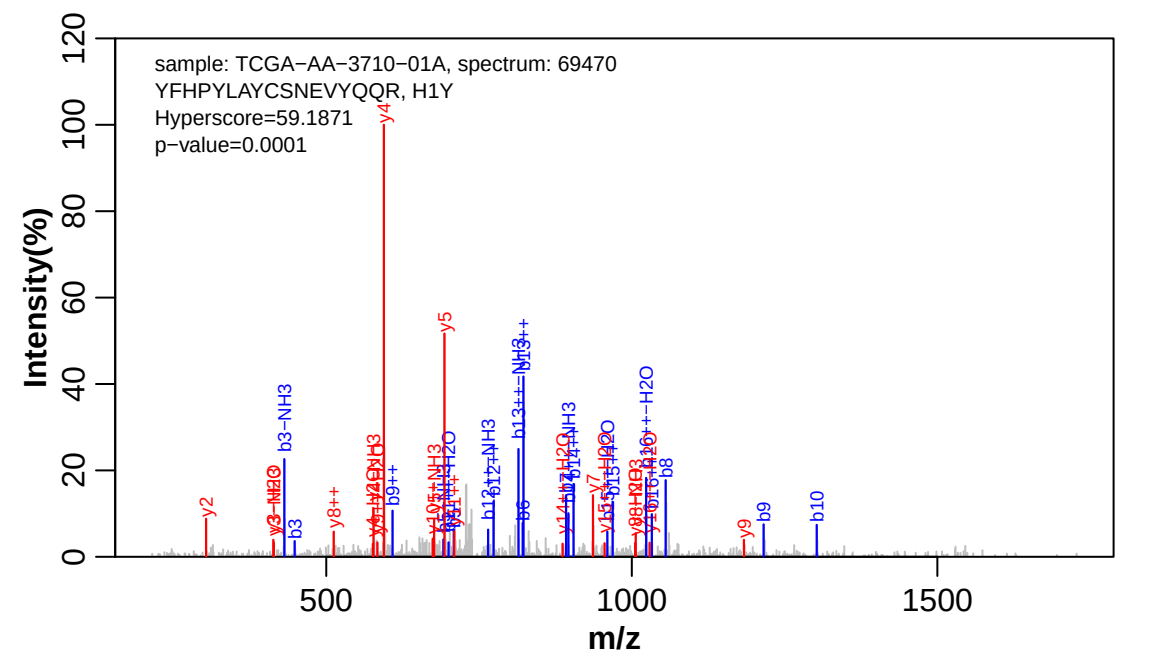

sample: TCGA−AA−3710−01A, spectrum: 82703
VLGTAGTEEGQK, I1V
Hyperscore=32.6077
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4−H2O
b4
b5−H2O
y4−H2O
y4
b6−H2O
y5−NH3
y5−H2O
b7−H2O
y6
b8−H2O
b7
b7−NH3
y7
y8
y9−H2O
y9
y10
b11−H2O
b11

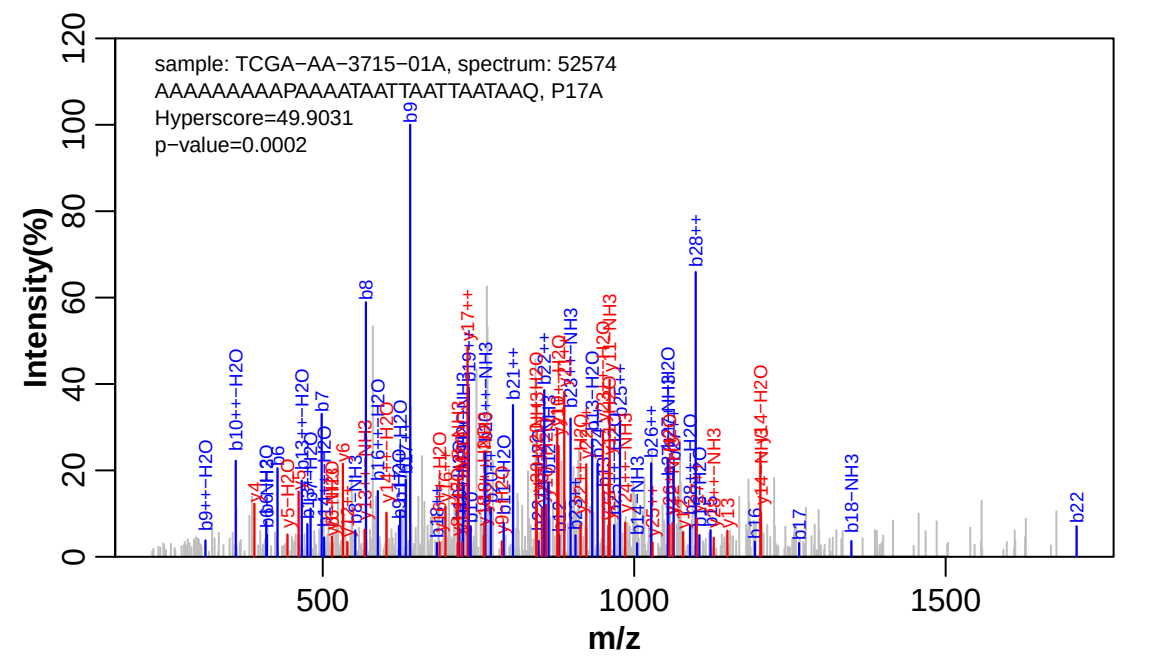

sample: TCGA−AA−3710−01A, spectrum: 82399
VLSTTNAER, D6N
Hyperscore=14.2622
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
y3
b4−H2O
y4
y5
y6
y7

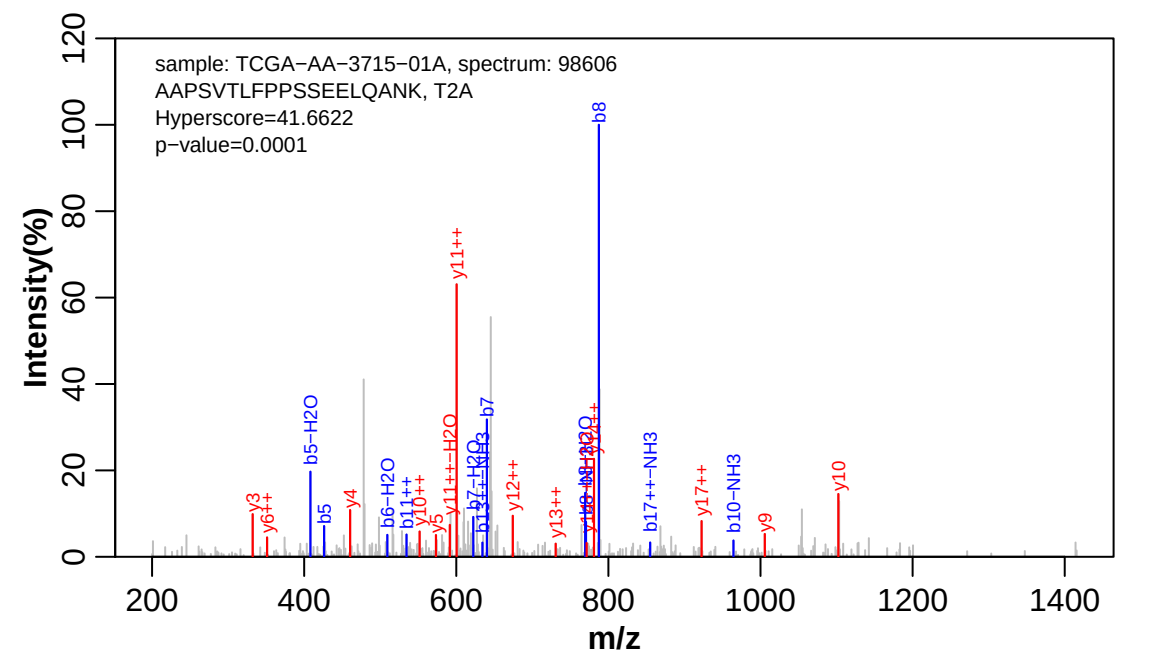

sample: TCGA−AA−3710−01A, spectrum: 122276
VPSFETAEGLGAELK, T12A
Hyperscore=56.0850
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y7
y5
y9
y11
y8
y13
b5
b10
b13
y2
b3
b4−H2O
y4
y5−NH3
b8−H2O
y9−H2O
b9−H2O
y10−NH3
b11−H2O
y13−H2O
b14
y14

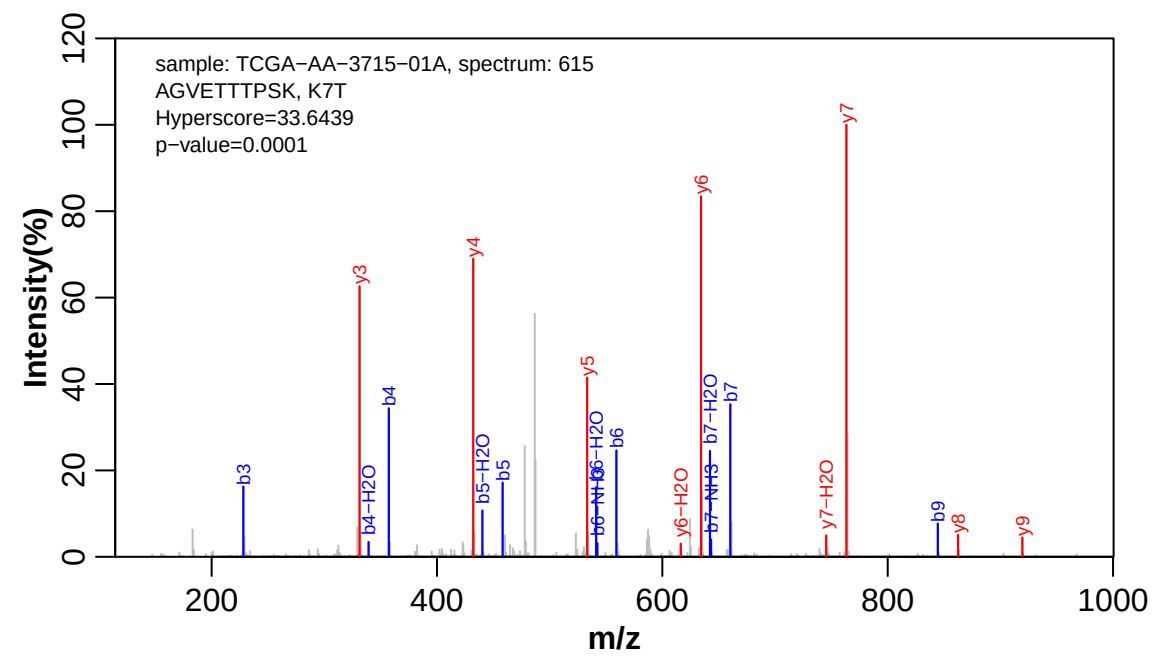

sample: TCGA−AA−3710−01A, spectrum: 55706
VPVTQATR, L3V
Hyperscore=18.4635
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
b3
y3
b4
y4
b5
y5
y6
y7

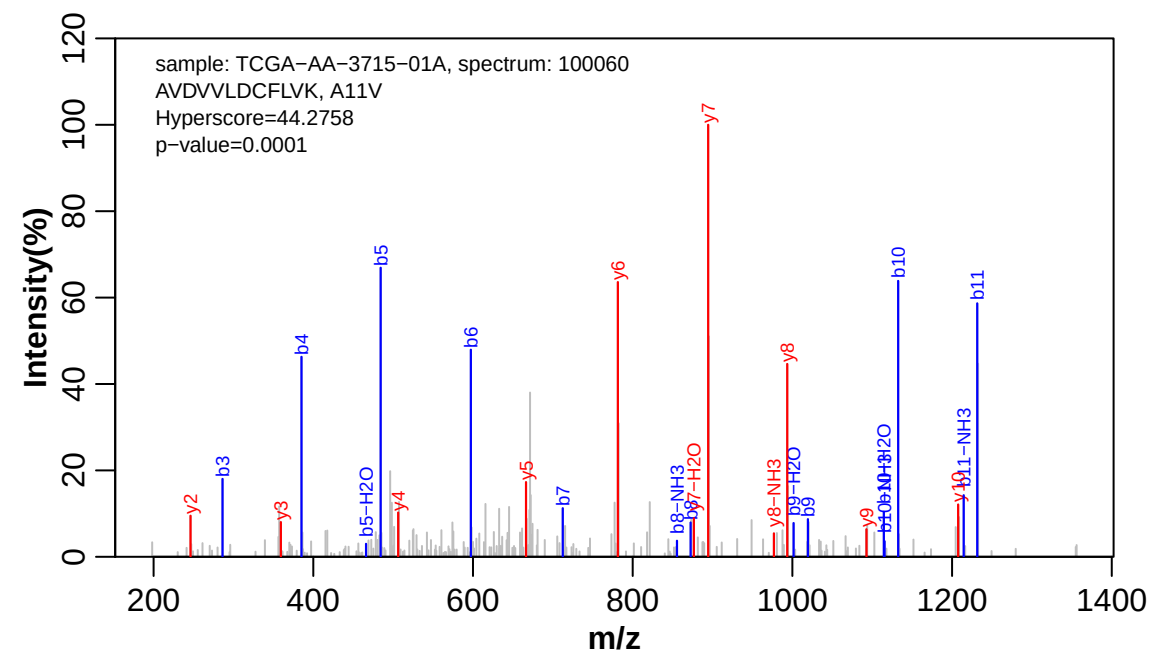

sample: TCGA−AA−3710−01A, spectrum: 28795
VSRPESEQLR, N6S
Hyperscore=36.4188
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2
b4++−NH3
b5++y2
y5++
b6++
b3
y6++
b7++−H2O
b7++
y7++−H2O
y3
b8++
y8++−NH3
y8++
y9++−H2O
y4
b5−NH3
b5−H2O
b5
y5−H2O
y5
b6

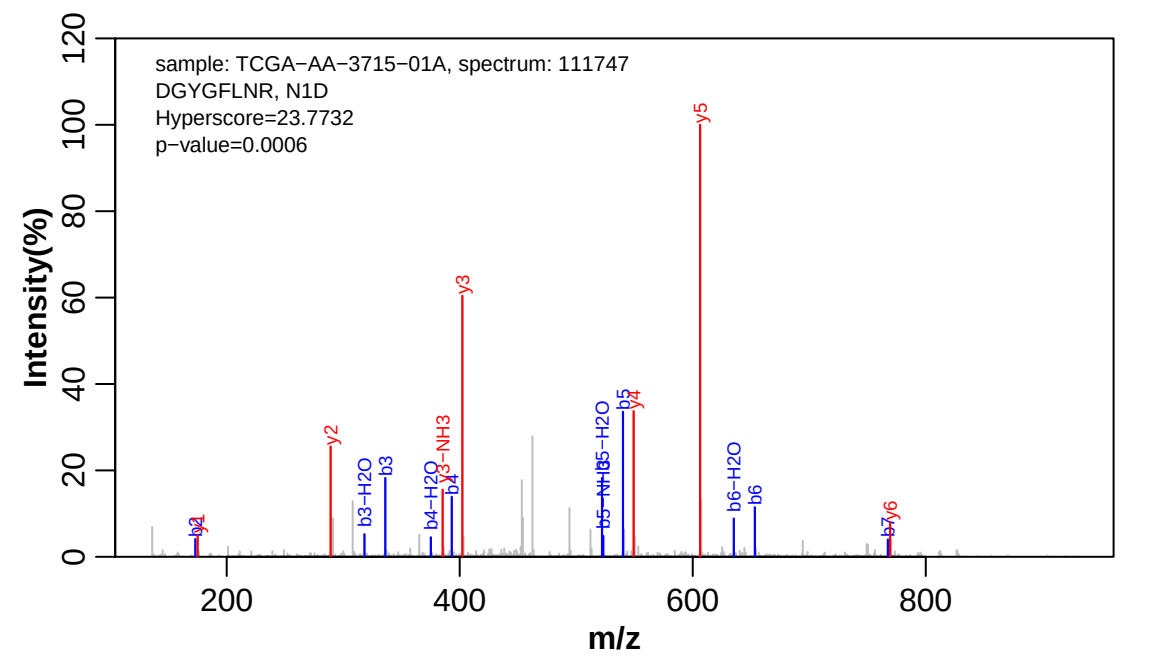

sample: TCGA−AA−3710−01A, spectrum: 69470
YFHPYLAYCSNEVYQQR, H1Y
Hyperscore=59.1871
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b3
b3−NH3
y8++
b9++
y4
y5
b12++NH3
b13++−NH3
b8
y9
b9
b10

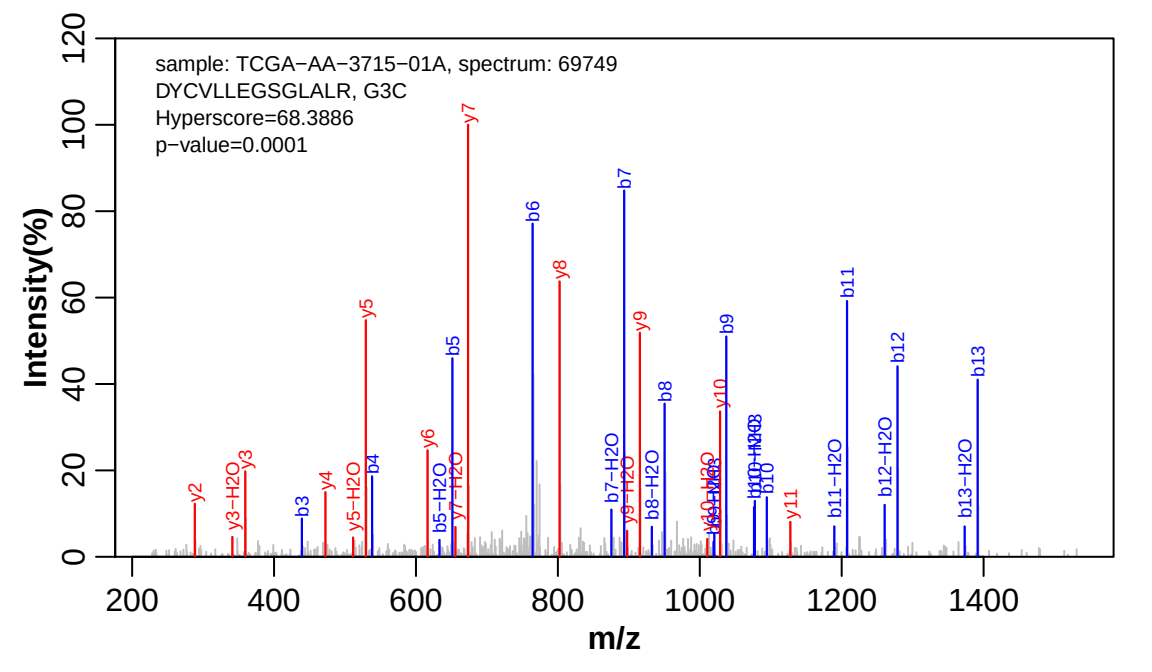

sample: TCGA−AA−3715−01A, spectrum: 52574
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=49.9031
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9
b8
b10++−H2O
b9++−H2O
b28++
b22
b18−NH3
b17
b16
b21++
b14−NH3
b26++
b25++
b18++
y14−H2O
y13
y12−NH3
y11−H2O
y10−NH3
y9−H2O
y8−NH3
y7−H2O
y6
y5−H2O
y4
b7
b6
b5−NH3

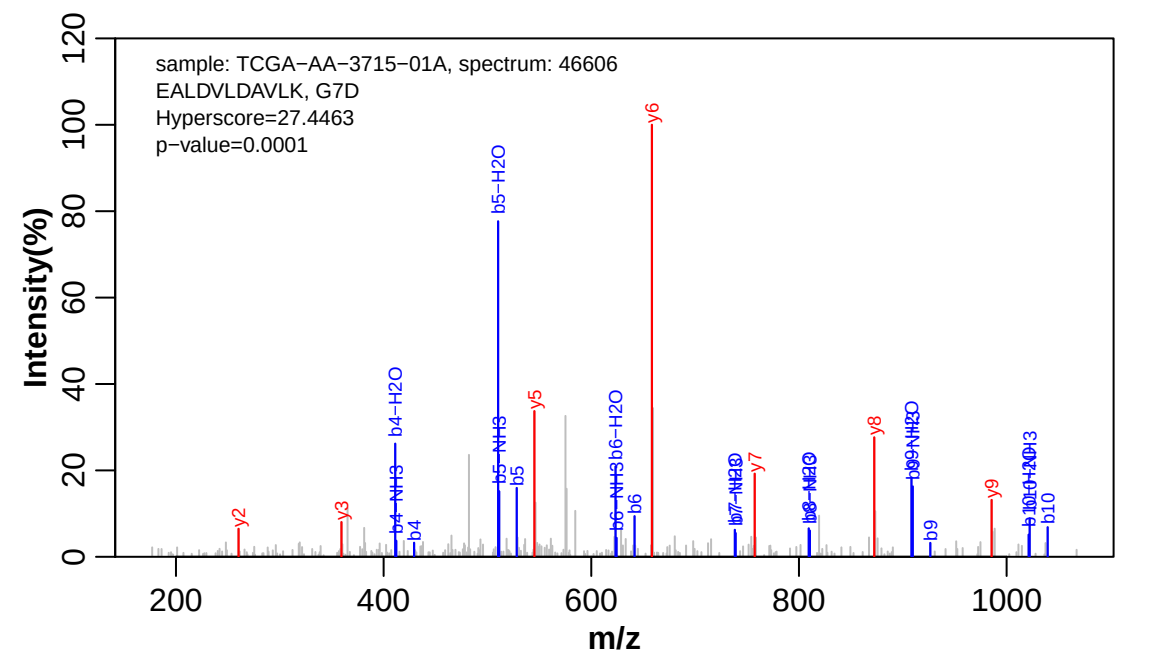

sample: TCGA−AA−3715−01A, spectrum: 98606
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=41.6622
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b8
y11++
y3
y6++
b5−H2O
b5
y4
b6−H2O
b11++
y10++
y5
y11++−H2O
b7−H2O
b13++−NH3
b7
y12++
y13++
b17++−NH3
y17++
b10−NH3
y9
y10

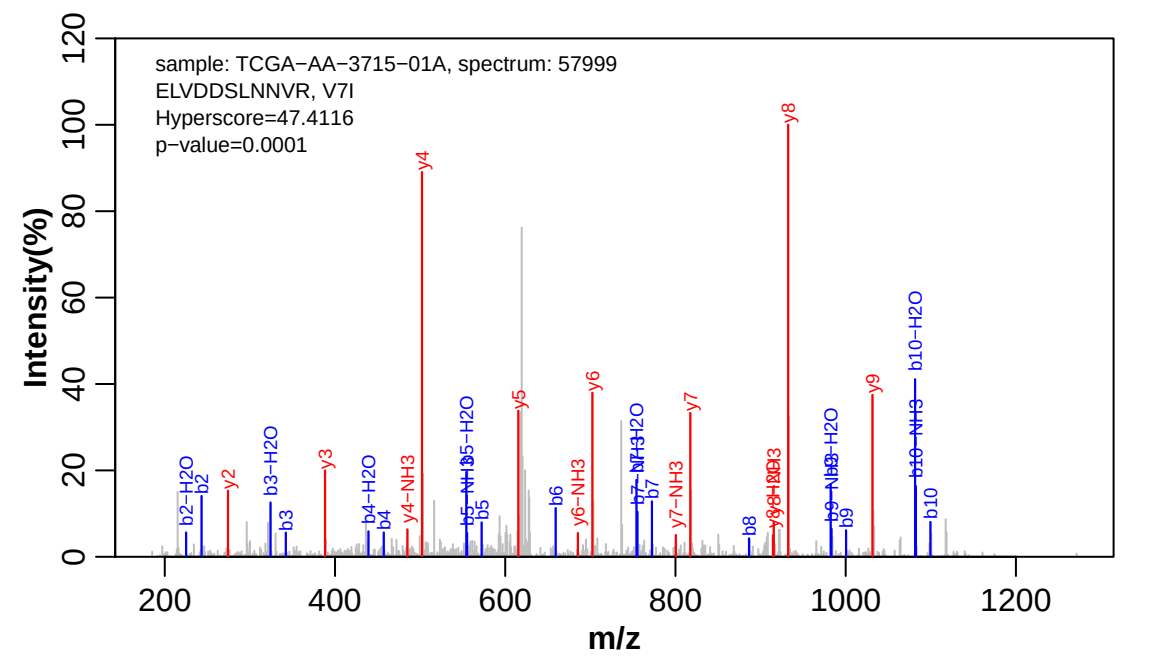

sample: TCGA−AA−3715−01A, spectrum: 615
AGVETTTPSK, K7T
Hyperscore=33.6439
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6−H2O
y6
b7−NH3
b7−H2O
b7
y7−H2O
y7
b9
y8
y9

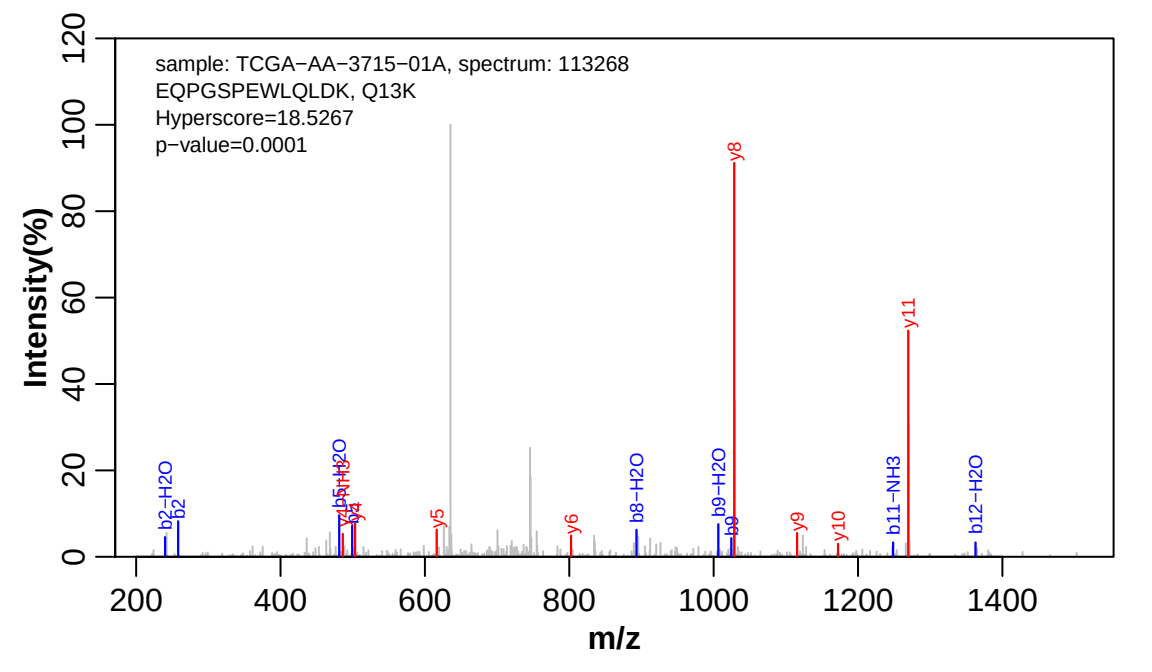

sample: TCGA−AA−3715−01A, spectrum: 100060
AVDVVLDCFLVK, A11V
Hyperscore=44.2758
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
b5−H2O
b5
y4
b6
y5
b7
b8−NH3
b8
y7−H2O
y7
y6
y8−NH3
y8
b9−H2O
b9
y9
b10
b11−NH3
b11

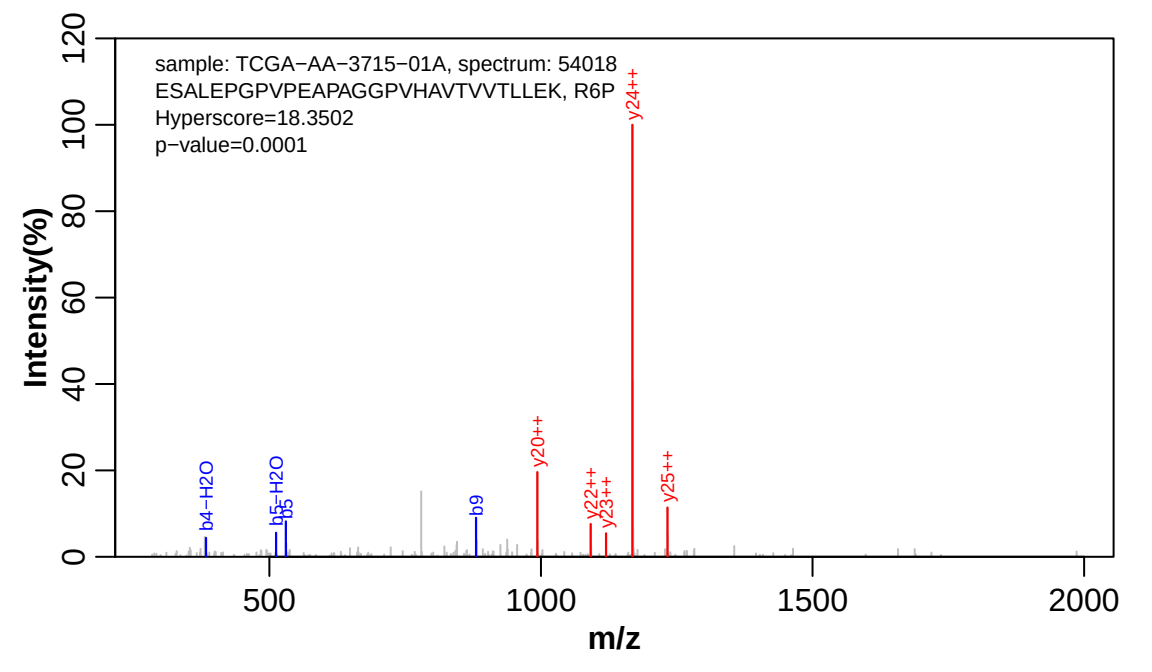

sample: TCGA−AA−3715−01A, spectrum: 111747
DGYGFLNR, N1D
Hyperscore=23.7732
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y5
y3
y2
y4
b5
b3
b6
b4
b7
y6
b2
b1
b3−H2O
b4−H2O
y3−NH3
b5−H2O
b5−NH3
b6−H2O

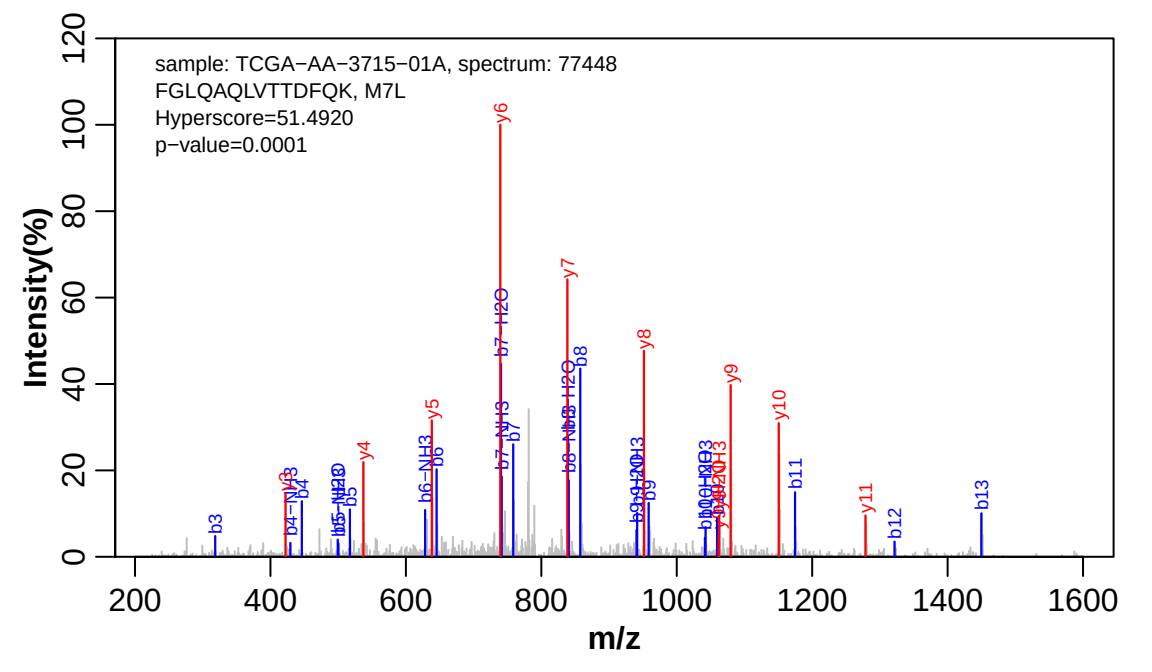

sample: TCGA−AA−3715−01A, spectrum: 69749
DYCVLLEGSGLALR, G3C
Hyperscore=68.3886
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3−H2O
y3
b3
y4
y5−H2O
b4
y5
y6
b5−H2O
b5
y7−H2O
y7
b6
y8
b7
b7−H2O
y9−H2O
y9
b8−H2O
b8
y10
b9
b10
y11
b11−H2O
b11
b12−H2O
b12
b13−H2O
b13

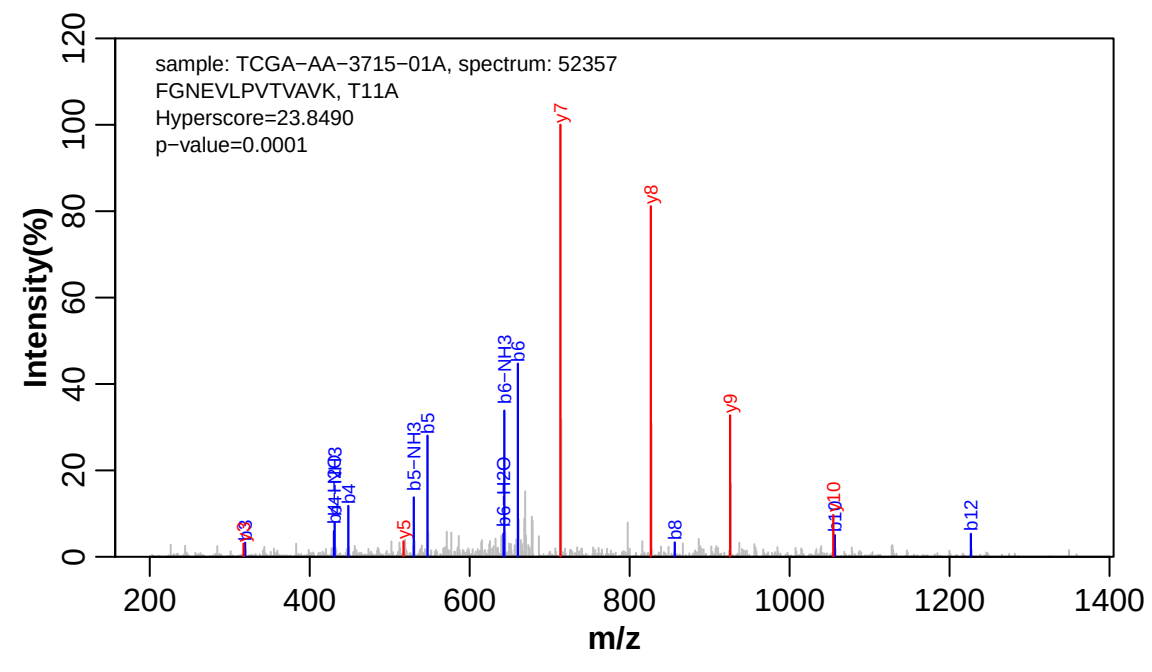

sample: TCGA−AA−3715−01A, spectrum: 46606
EALDVLDAVLK, G7D
Hyperscore=27.4463
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y2
y3
b4−NH3
b4−H2O
b4
b5−H2O
b5−NH3
b5
y5
y6
b6−NH3
b6−H2O
b6
y7
y8
b9
y9
b10

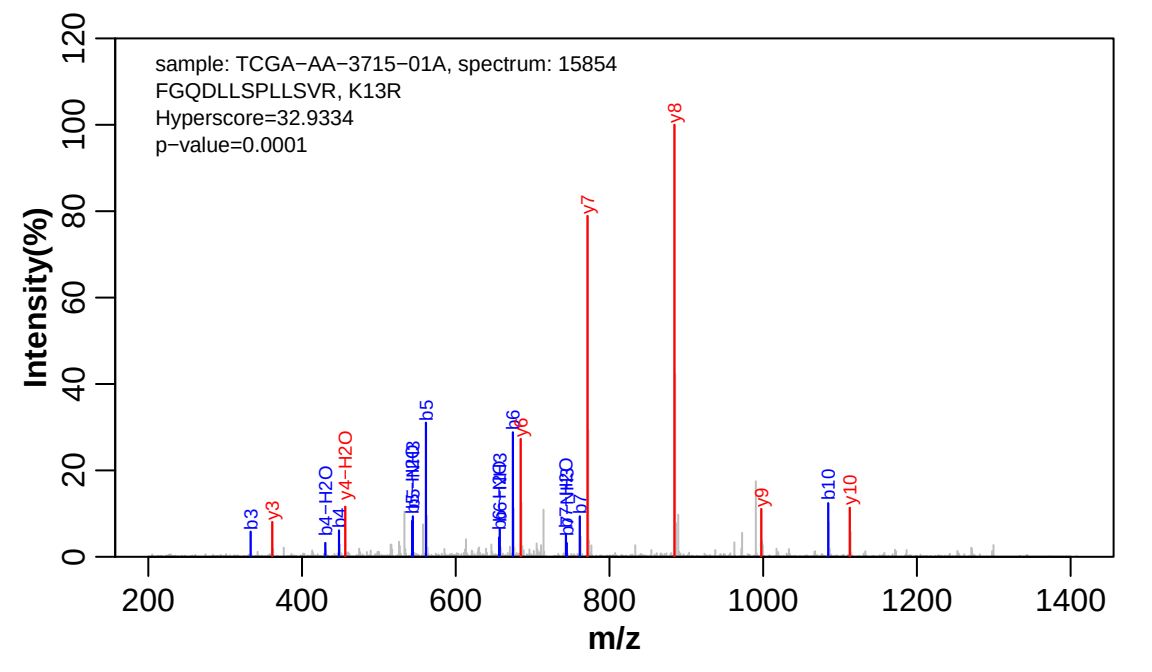

sample: TCGA−AA−3715−01A, spectrum: 57999
ELVDDSLNNVR, V7I
Hyperscore=47.4116
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
b5−NH3
b5−H2O
b5
y5
b6
y6−NH3
y6
b7−NH3
b7−H2O
b7
y7−NH3
y7
b8
y8
b9−NH3
b9−H2O
b9
y9
b10−H2O
b10−NH3
b10

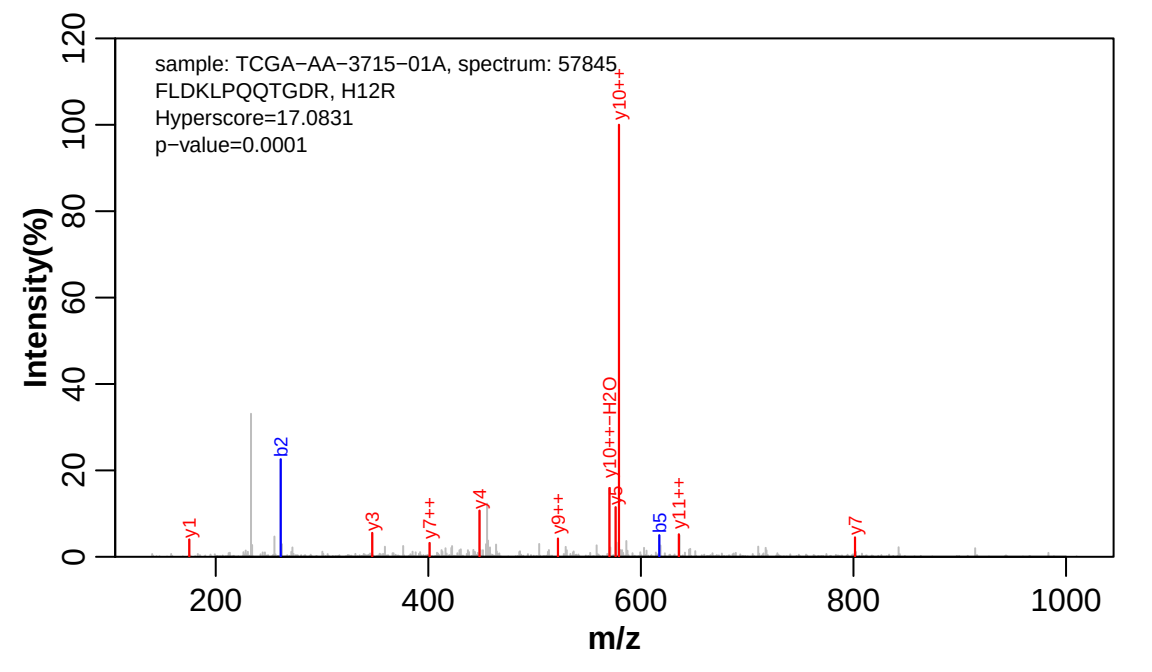

sample: TCGA−AA−3715−01A, spectrum: 113268
EQPGSPEWLQLDK, Q13K
Hyperscore=18.5267
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b2
y5
y6
b8−H2O
y8
b9−H2O
b9
y9
y10
y11
b11−NH3
b12−H2O

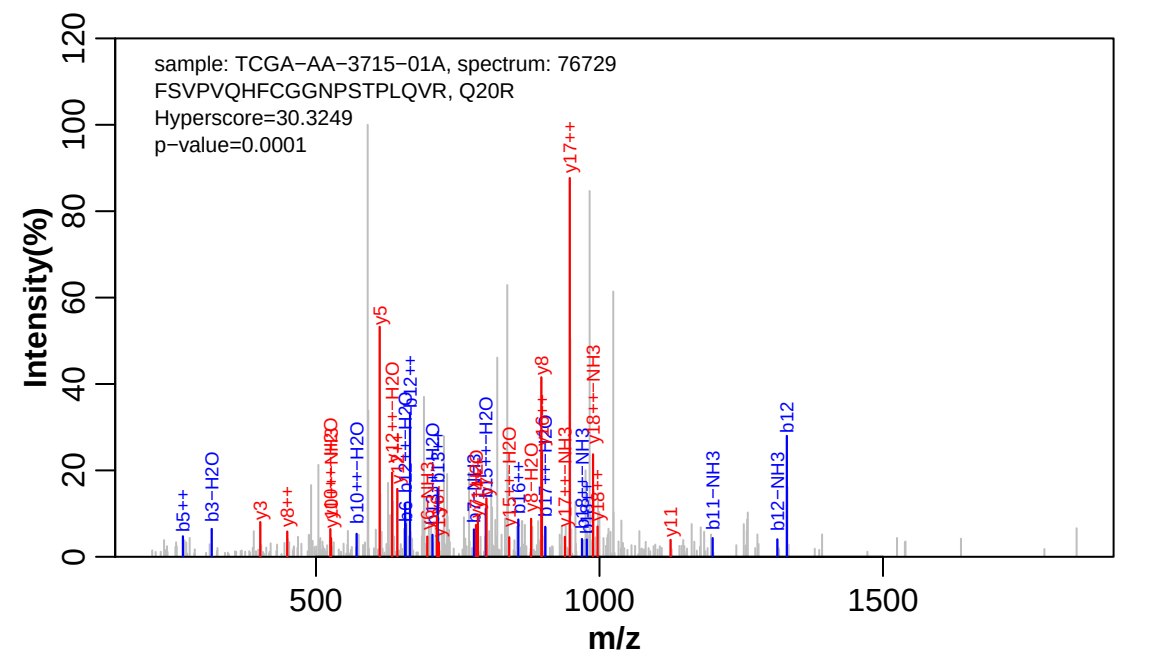

sample: TCGA−AA−3715−01A, spectrum: 54018
ESALEPGPVPEAPAGGPVHAVTVVTLLEK, R6P
Hyperscore=18.3502
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
b4−H2O
b5−H2O
b5
b9
y20++
y22++
y23++
y24++
y25++

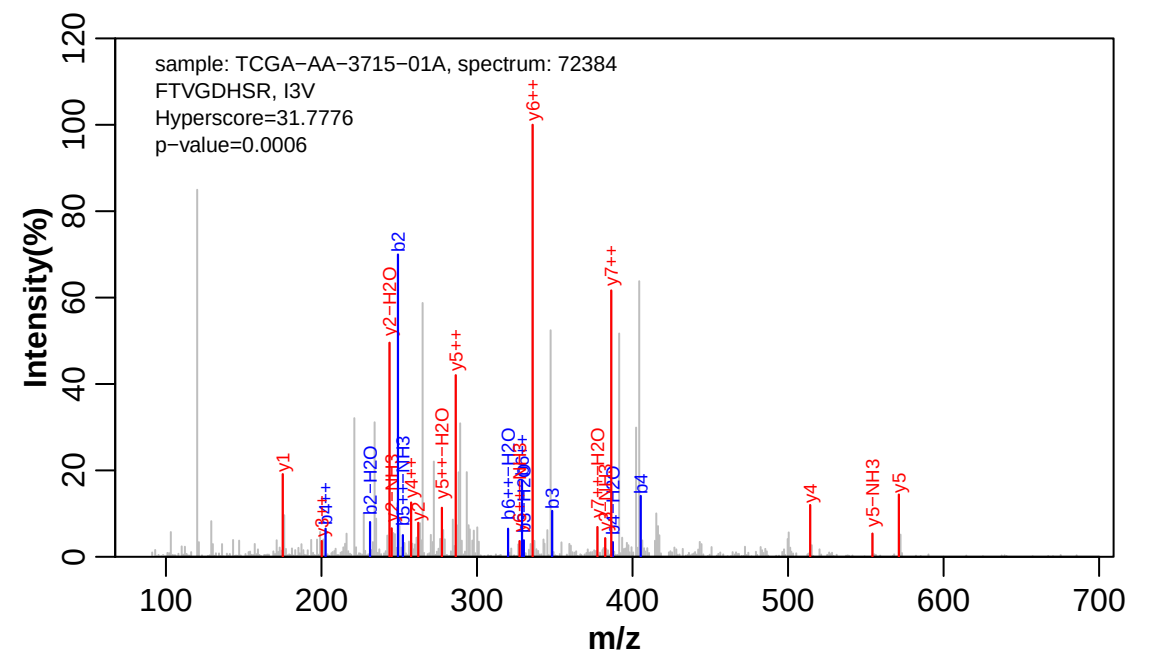

sample: TCGA−AA−3715−01A, spectrum: 77448
FGLQAQLVTTDFQK, M7L
Hyperscore=51.4920
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y8
y9
y10
y5
y4
y3
b3
b4
b5
b6
b7
b8
b9
b11
b12
b13
b7−H2O
b8−H2O
b6−NH3
b7−NH3
b8−NH3
y11

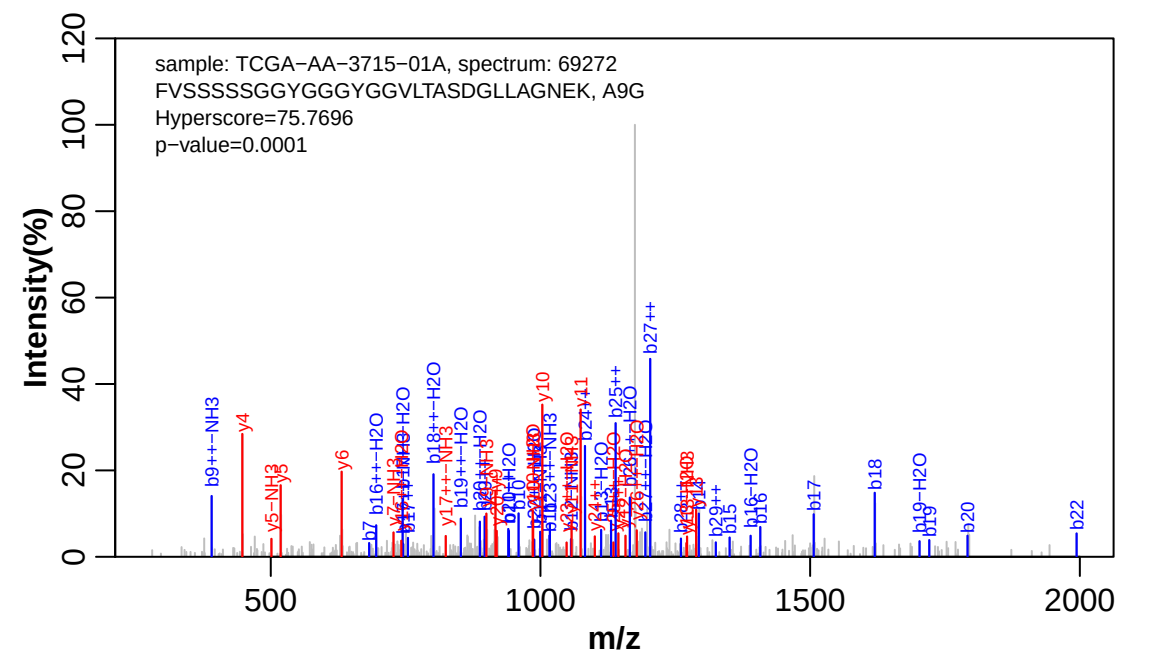

sample: TCGA−AA−3715−01A, spectrum: 52357
FGNEVLPVTVAVK, T11A
Hyperscore=23.8490
p−value=0.0001
Intensity(%)
m/z
y7
y8
y9
b5
b5−NH3
b6
b6−NH3
b6−H2O
b8
b10
b12
y5
b4
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

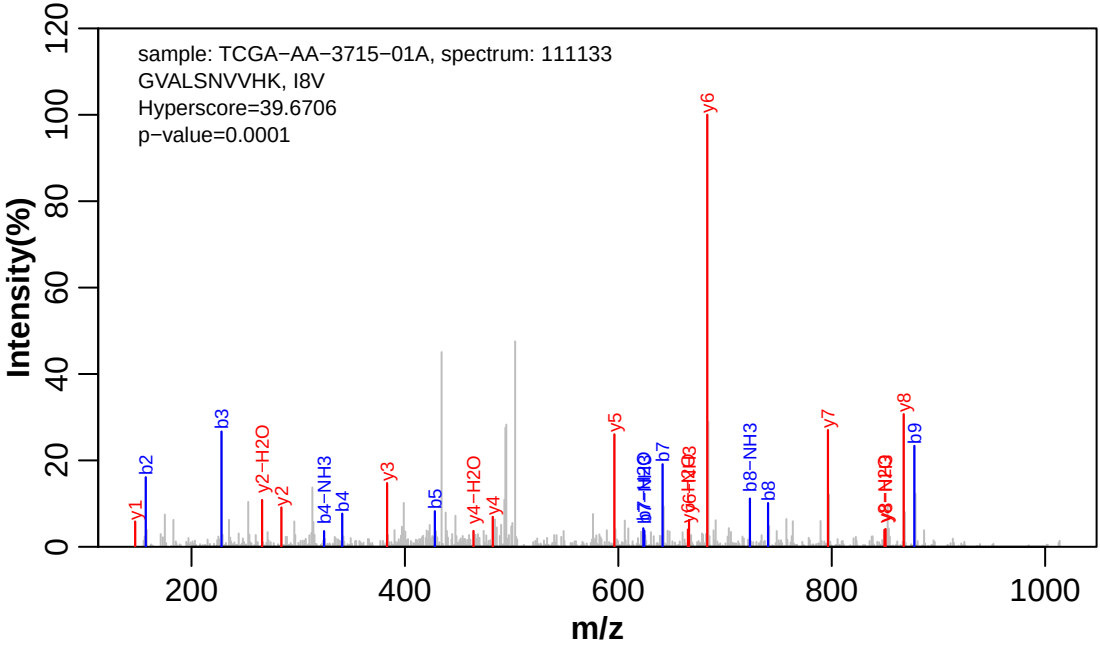

sample: TCGA−AA−3715−01A, spectrum: 15854
FGQDLLSPLLSVR, K13R
Hyperscore=32.9334
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4−H2O
b5
b6
y6
y7
y8
b7
y9
b10
y10

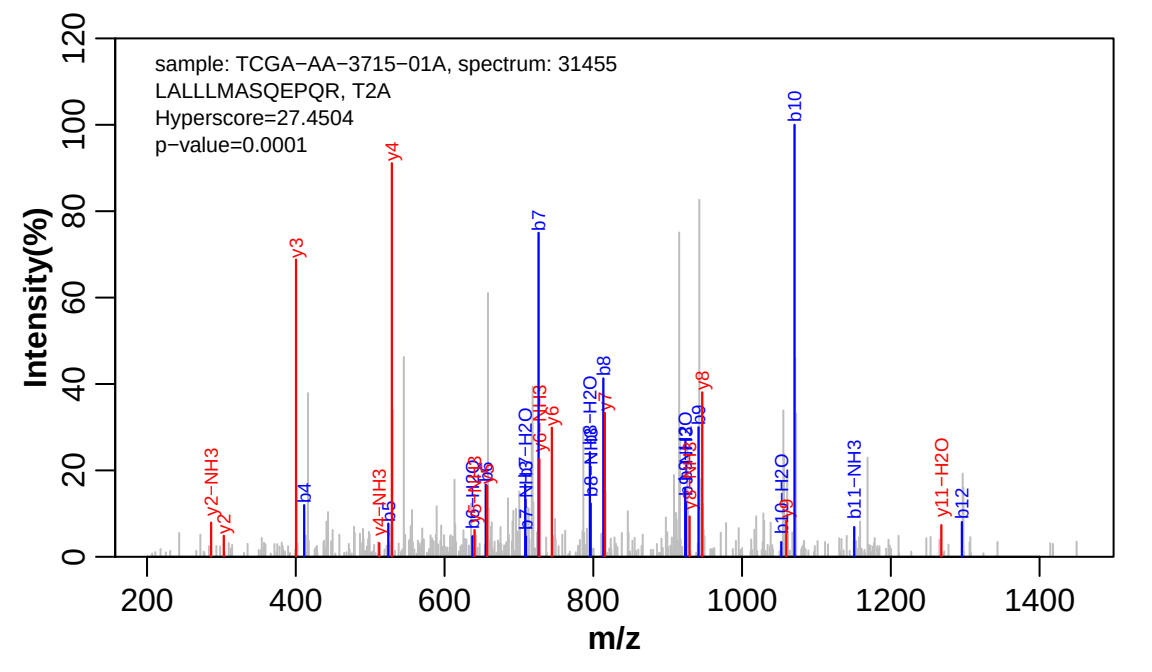

sample: TCGA−AA−3715−01A, spectrum: 57845
FLDKLPQQTGDR, H12R
Hyperscore=17.0831
p−value=0.0001
Intensity(%)
m/z
y10++
y10++−H2O
y5
b2
y1
y3
y7++
y4
y9++
b5
y11++
y7
0
20
40
60
80
100
120
200
400
600
800
1000

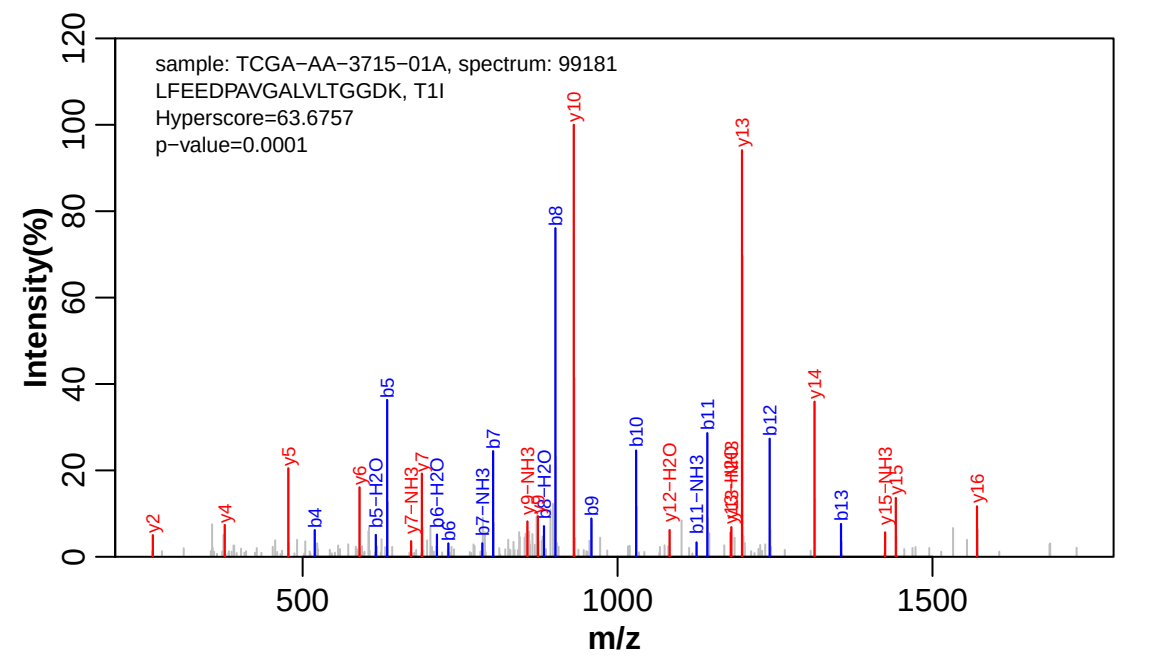

sample: TCGA−AA−3715−01A, spectrum: 76729
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=30.3249
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5++
b3−H2O
y3
y8++
b10++−H2O
y5
b12++
b11−NH3
b12
b12−NH3
y17++
y8
y18++−NH3
y11

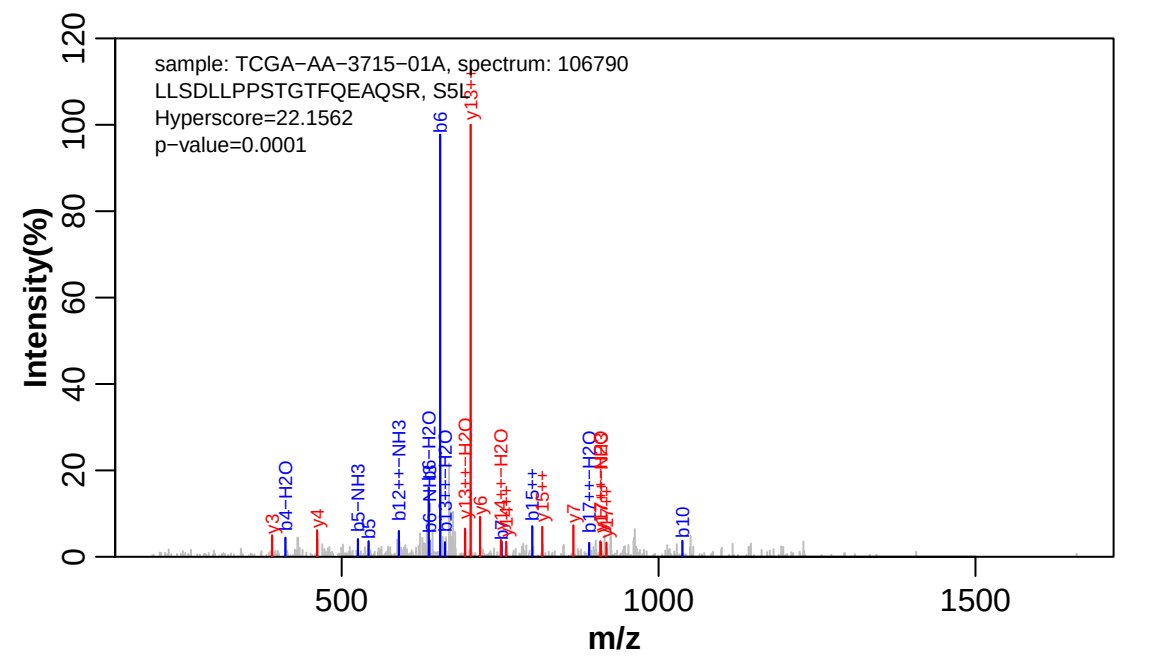

sample: TCGA−AA−3715−01A, spectrum: 72384
FTVGDHSR, I3V
Hyperscore=31.7776
p−value=0.0006
Intensity(%)
m/z
y6++
y7++
b2
y2−H2O
y5++
y1
y5++−H2O
b6++−H2O
b3
y4
y5−NH3
y5

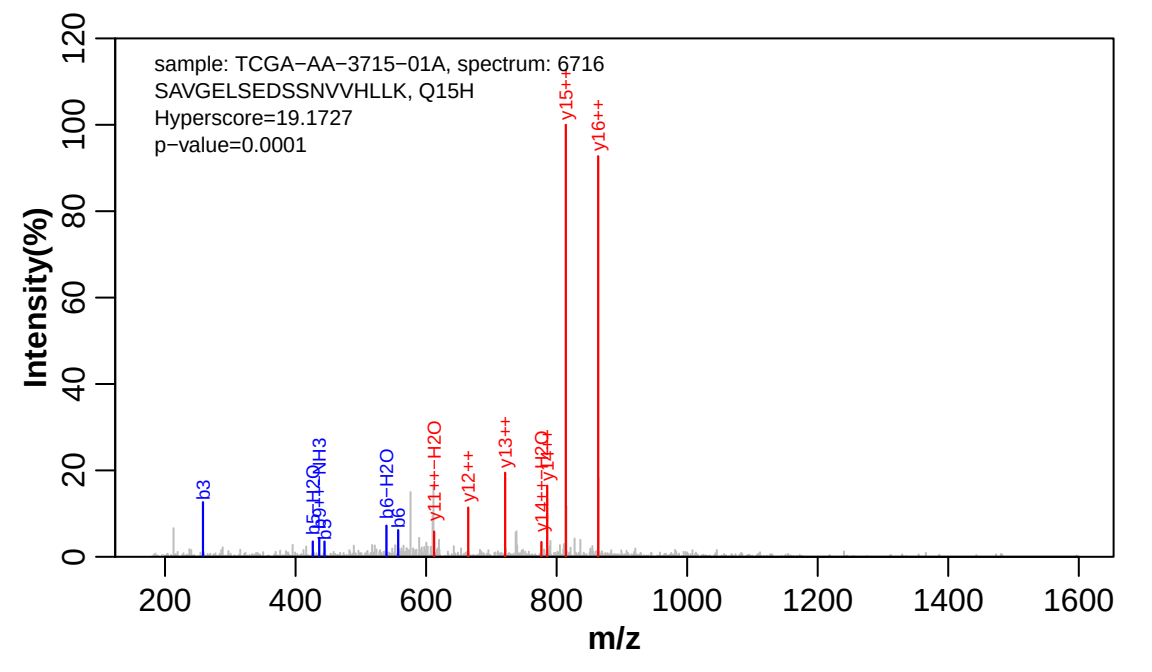

sample: TCGA−AA−3715−01A, spectrum: 69272
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=75.7696
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5−NH3
y5
y6
b7
b16++−H2O
b18++−H2O
y17++−NH3
b19++−H2O
y10
y11
b27++
b25++
b15
b16−H2O
b17
b18
b19−H2O
b20
b22

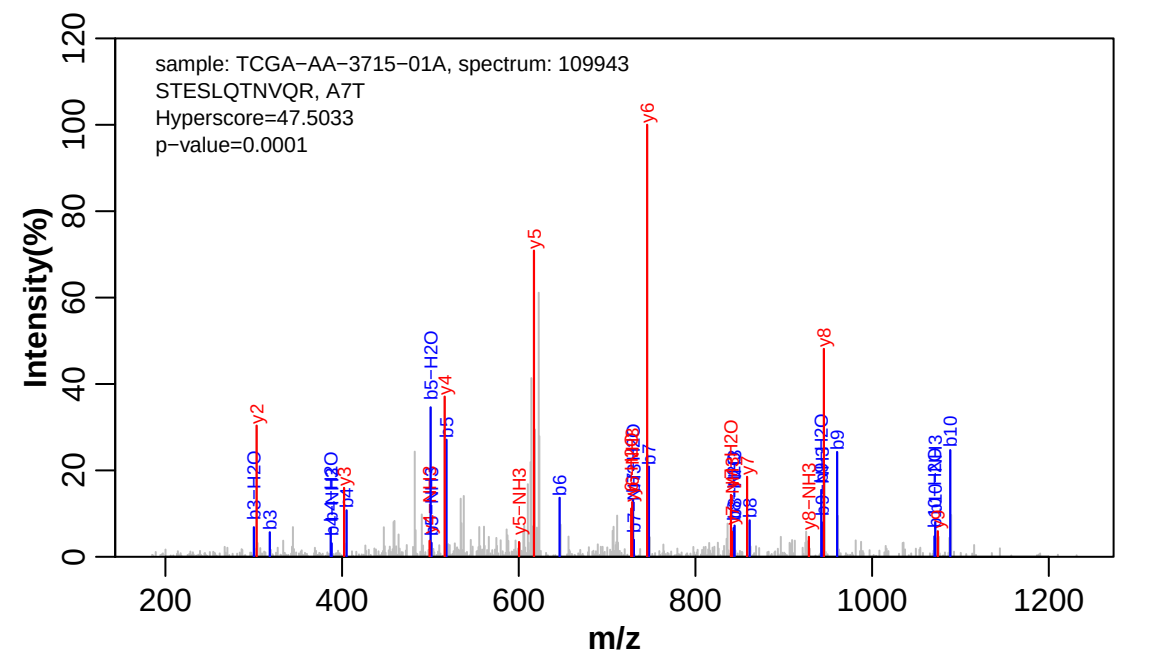

sample: TCGA−AA−3715−01A, spectrum: 111133
GVALSNVVHK, I8V
Hyperscore=39.6706
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y2−H2O
y2
b4−NH3
b4
y3
b5
y4−H2O
y4
y5
b7
y6
b8−NH3
b8
y7
y8
b9

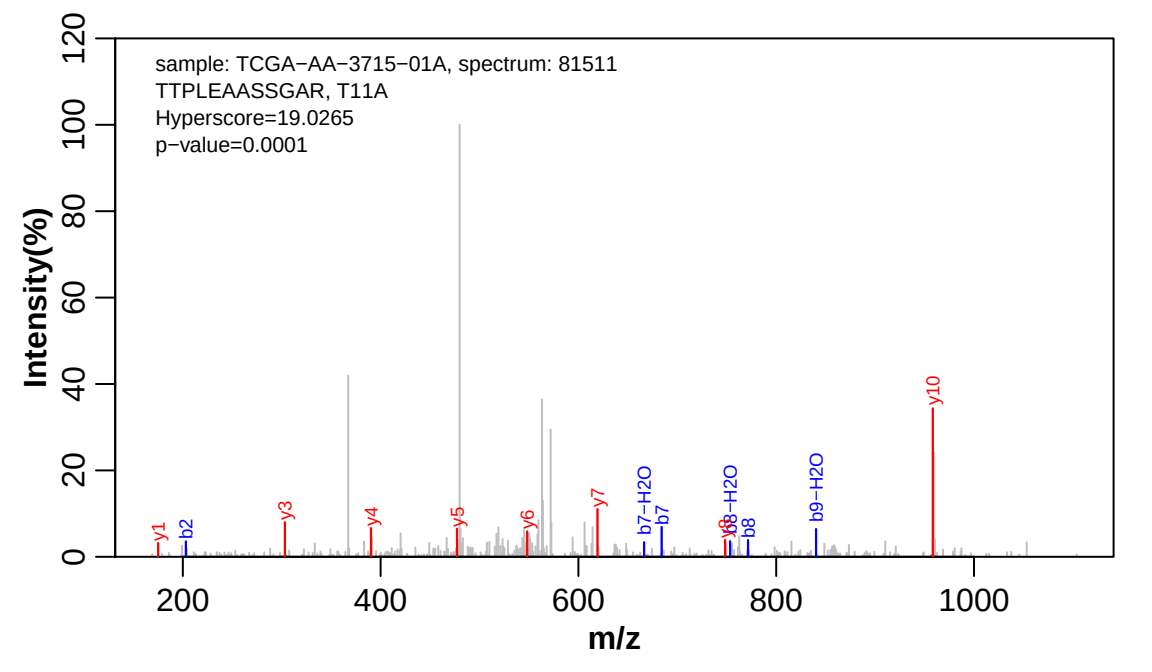

sample: TCGA−AA−3715−01A, spectrum: 31455
LALLLMASQEPQR, T2A
Hyperscore=27.4504
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
y3
b7
b10
y8
y6
b8
y7
b9
y2−NH3
y2
b4
y5−NH3
y5
b5
b6−H2O
b6
b7−NH3
b7−H2O
y6−NH3
b8−NH3
b8−H2O
b9−NH3
b9−H2O
b10−H2O
b10
b11−NH3
y11−H2O
b12

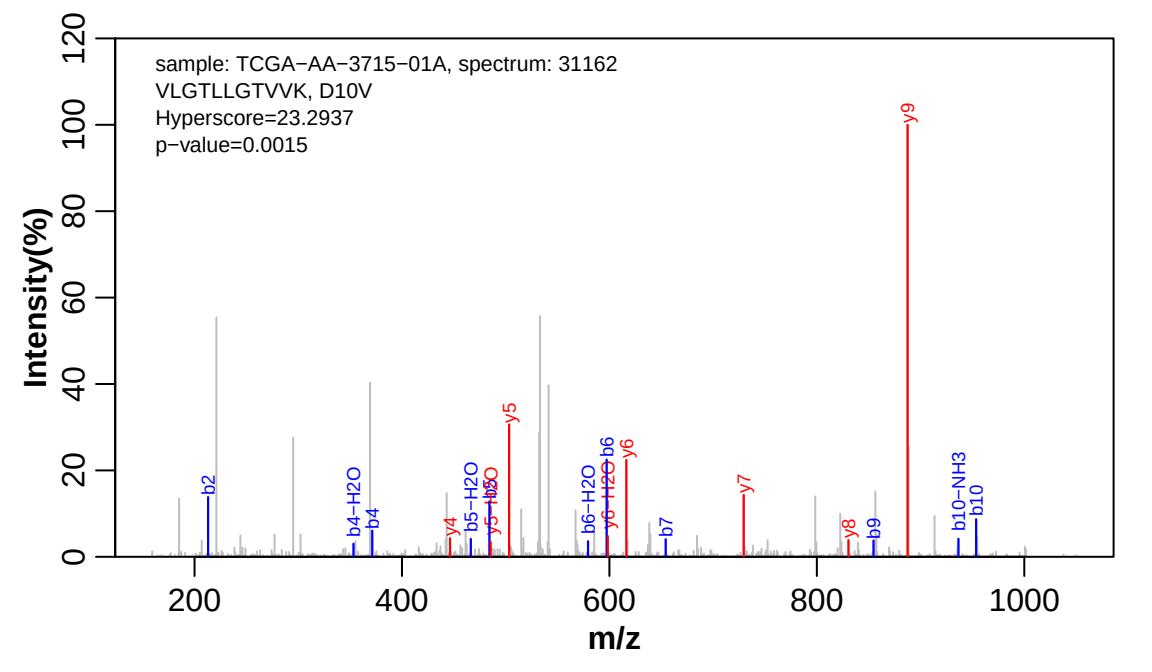

sample: TCGA−AA−3715−01A, spectrum: 99181
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=63.6757
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y4
y5
b4
y6
b5−H2O
b5
y7−NH3
y7
b6−H2O
b6
b7−NH3
b7
y8−NH3
y8
b8−H2O
b8
y10
b9
b10
y12−H2O
b11−NH3
b11
y13−NH3
y13
b12
y14
b13
y15−NH3
y15
y16

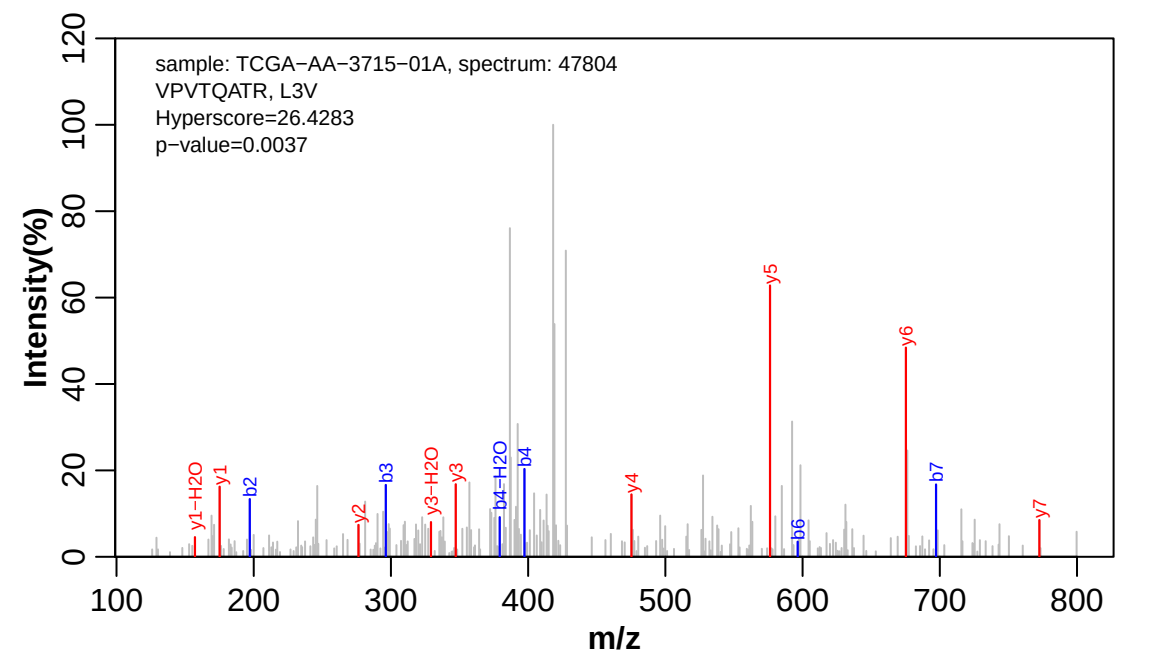

sample: TCGA−AA−3715−01A, spectrum: 106790
LLSDLLPPSTGTFQEAQSR, S5L
Hyperscore=22.1562
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b6
y15++
y3
b4−H2O
y4
b5−NH3
b5
b12++−NH3
b6−NH3
b6−H2O
b13++−H2O
y3++−H2O
y6
y14++−H2O
b15++
y15++
y7
b17++−H2O
b10

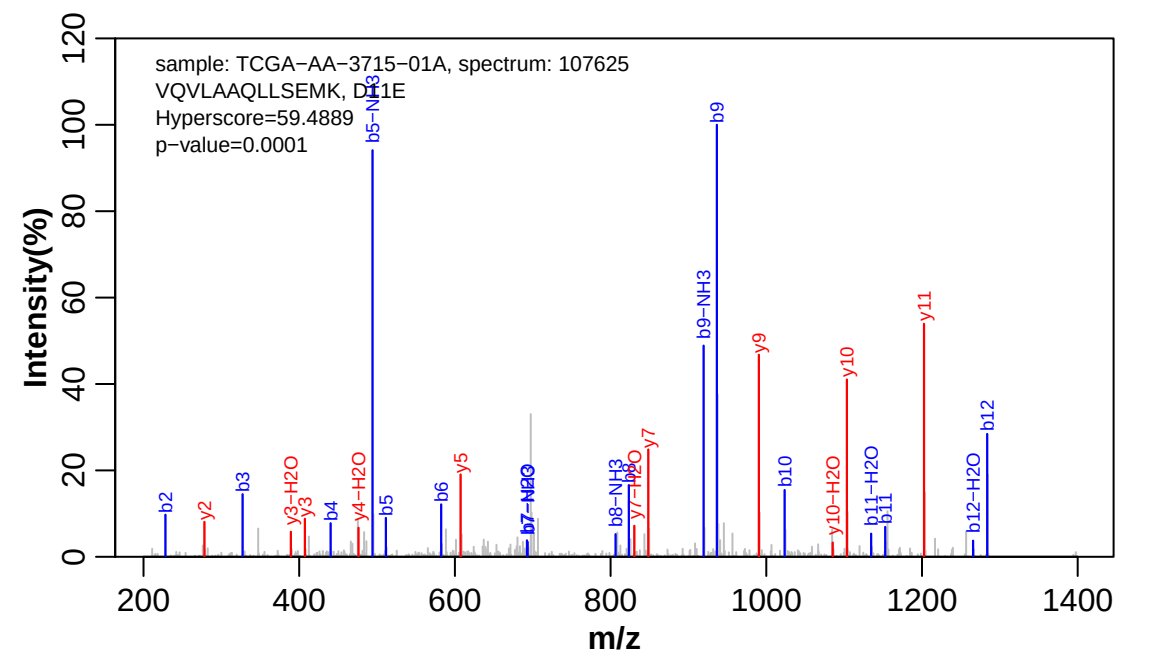

sample: TCGA−AA−3715−01A, spectrum: 6716
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=19.1727
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b5−H2O
b5−NH3
b5
b6−H2O
b6
y11++−H2O
y12++
y13++
y14++−H2O
y14++
y15++
y16++

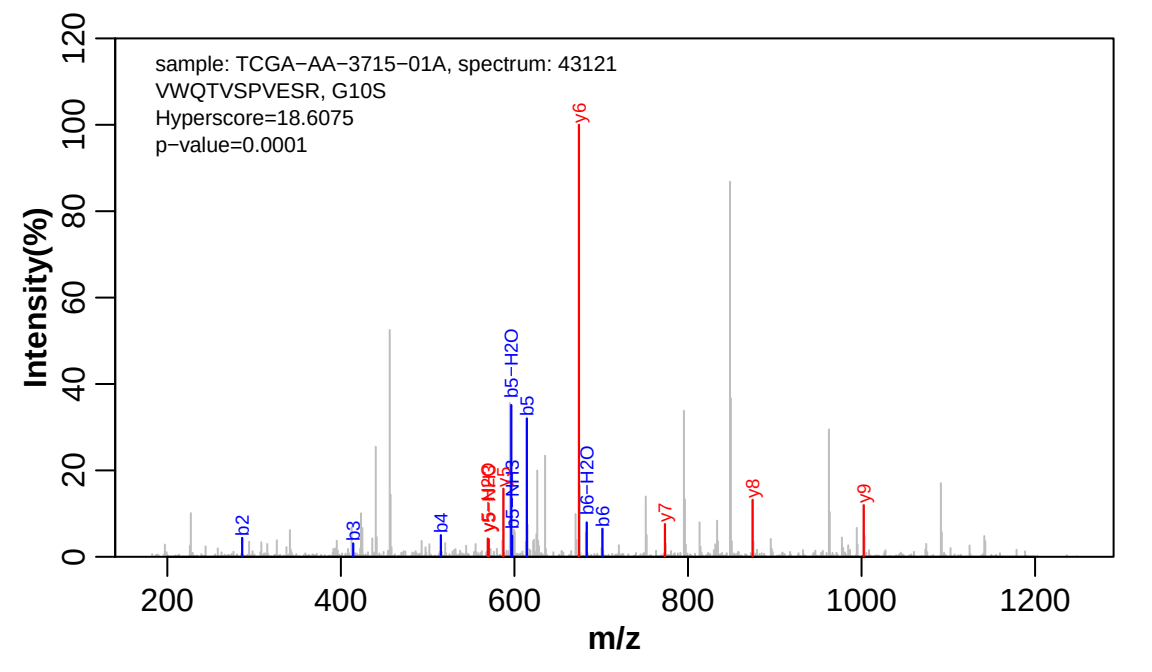

sample: TCGA−AA−3715−01A, spectrum: 109943
STESLQTNVQR, A7T
Hyperscore=47.5033
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y8
y2
y4
b5−H2O
b5
b6
b9
b10
b3−H2O
b3
y5−NH3
y8−NH3
y7
b8
b7
y3
b4

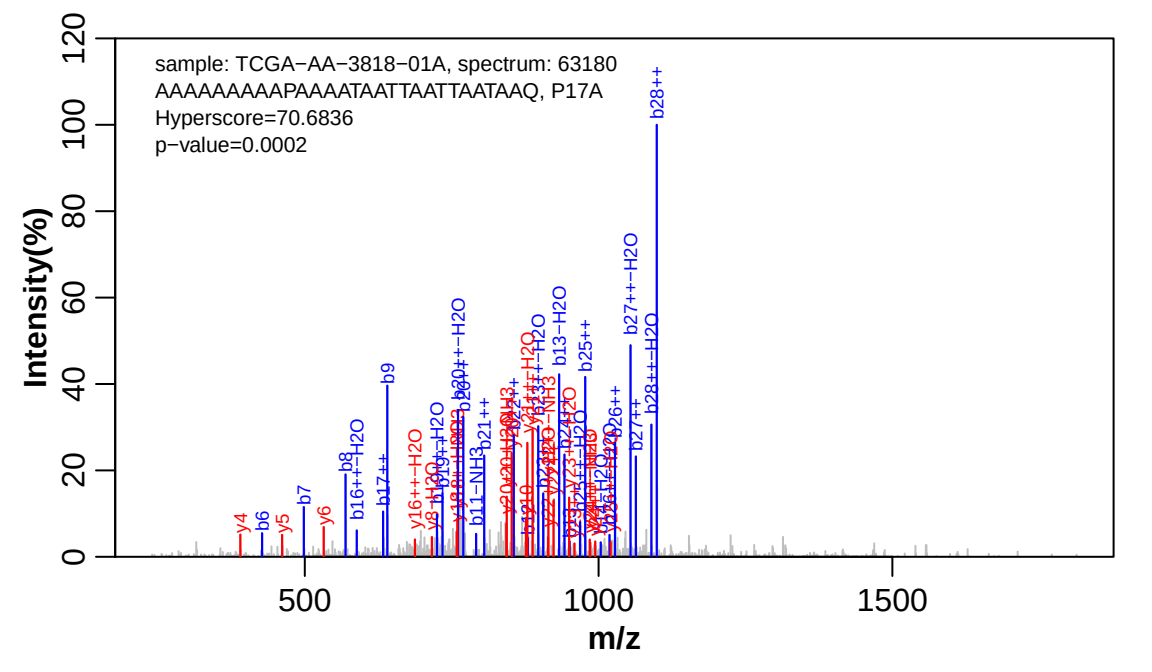

sample: TCGA−AA−3715−01A, spectrum: 81511
TTPLEAASSGAR, T11A
Hyperscore=19.0265
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y1
b2
y3
y4
y5
y6
y7
b7−H2O
b7
y8
b8−H2O
b8
b9−H2O
y10

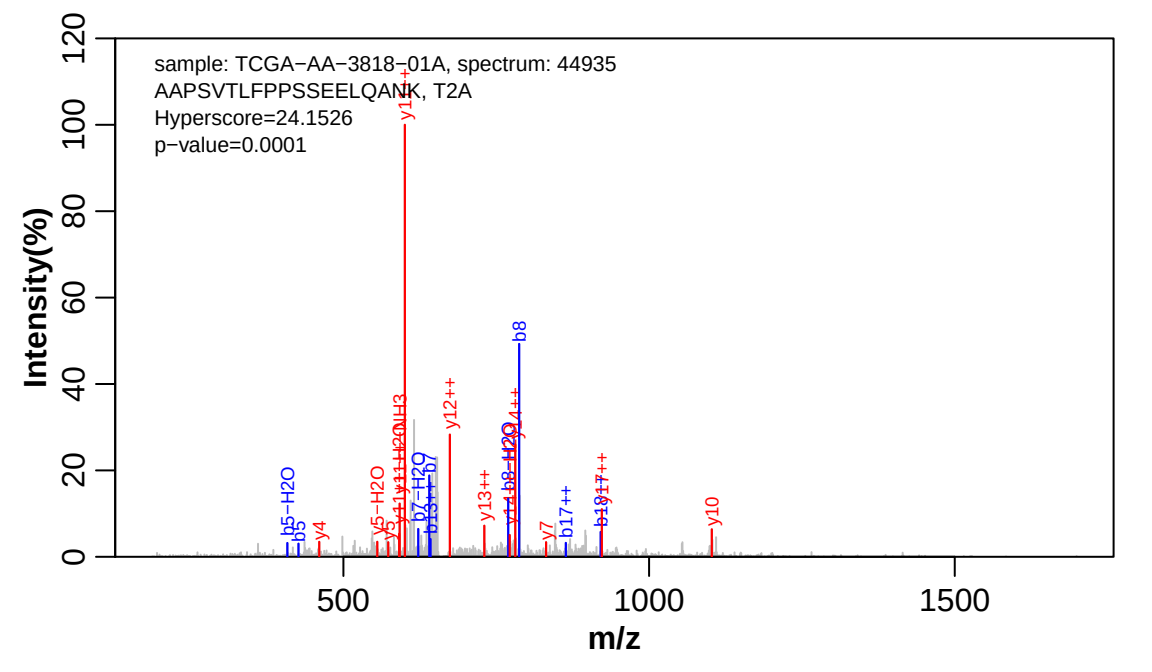

sample: TCGA−AA−3715−01A, spectrum: 31162
VLGTLLGTVVK, D10V
Hyperscore=23.2937
p−value=0.0015
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b4−H2O
b4
y4
b5−H2O
y5−H2O
y5
b6−H2O
y6−H2O
b6
y6
b7
y7
y8
b9
y9
b10−NH3
b10

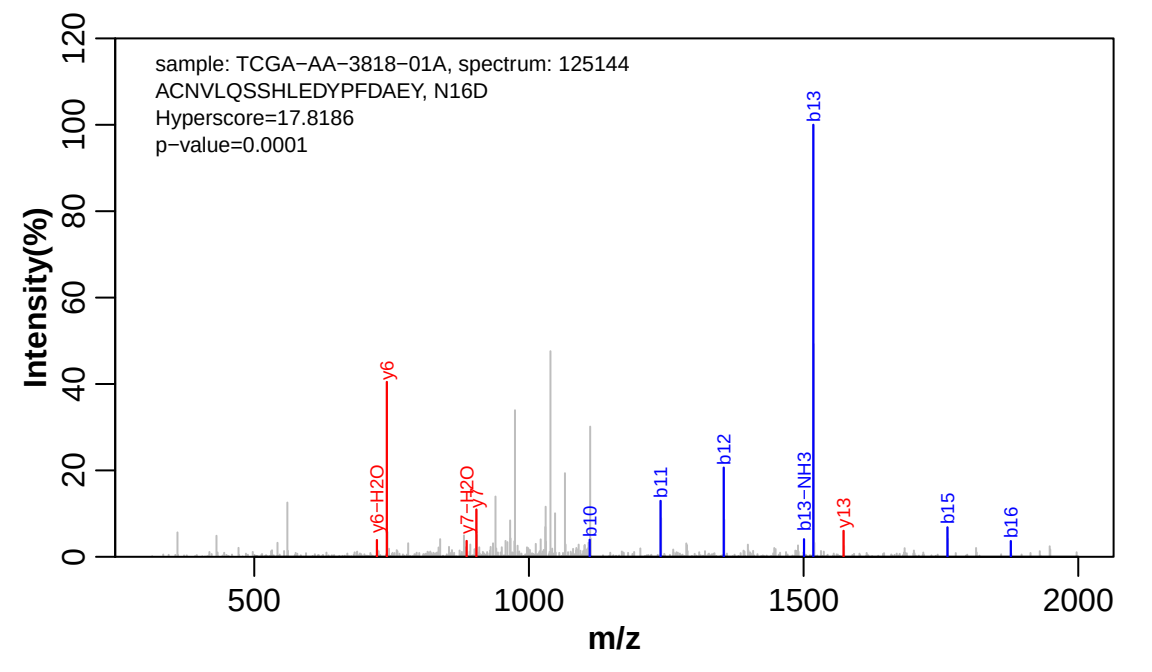

sample: TCGA−AA−3715−01A, spectrum: 47804
VPVTQATR, L3V
Hyperscore=26.4283
p−value=0.0037
Intensity(%)
m/z
y1−H2O
y1
b2
y2
b3
y3−H2O
y3
b4−H2O
b4
y4
y5
b6
y6
b7
y7

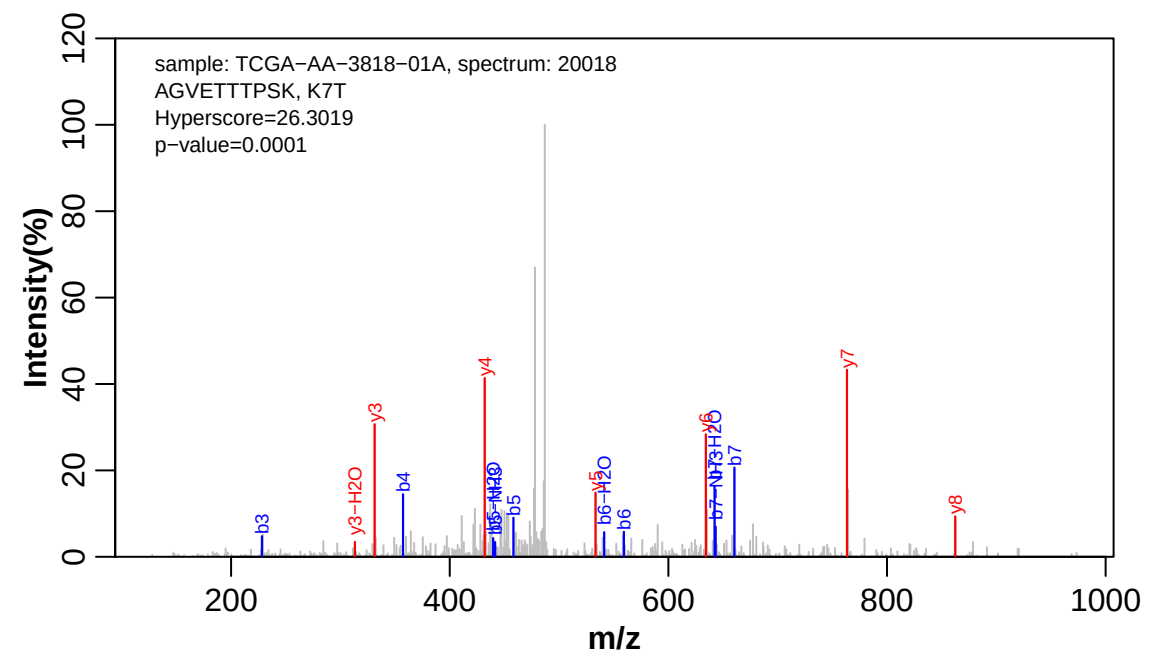

sample: TCGA−AA−3715−01A, spectrum: 107625
VQVLAAQLLSEMK, D11E
Hyperscore=59.4889
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3−H2O
y3
b4
y4−H2O
b5
b5−NH3
b6
y5
b7−NH3
b8−NH3
y7−H2O
y7
b9−NH3
b9
y9
b10
y10−H2O
y10
b11−H2O
b11
y11
b12−H2O
b12

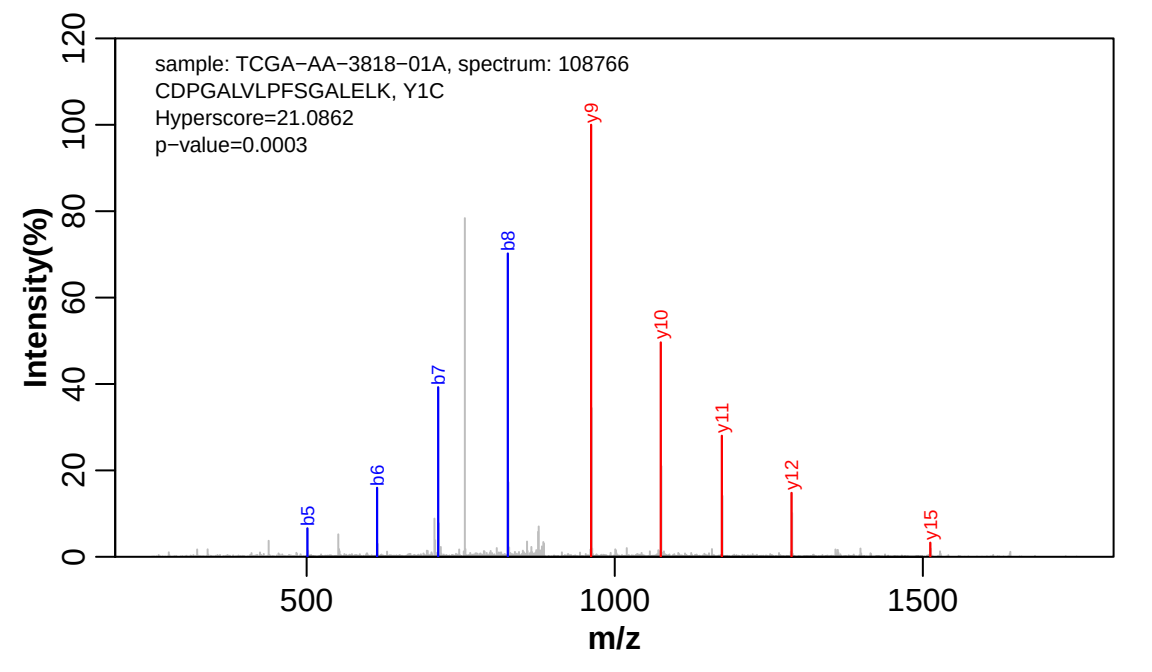

sample: TCGA−AA−3715−01A, spectrum: 43121
VWQTVSPVESR, G10S
Hyperscore=18.6075
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
b5−H2O
b5
b6−H2O
b6
y7
y8
y9
b2
b3
b4

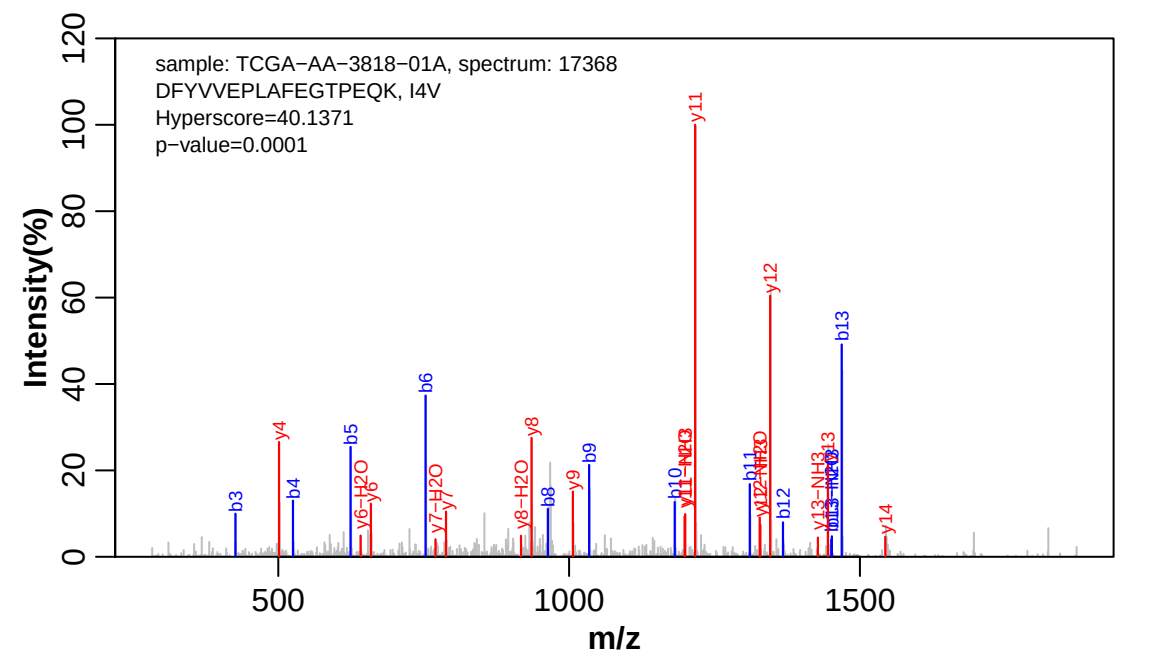

sample: TCGA−AA−3818−01A, spectrum: 63180
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=70.6836
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b27++−H2O
b28++−H2O
b27++
b25++
b26++
b13−H2O
b9
b17++
b16++−H2O
b8
b7
y6
y5
b6
y4

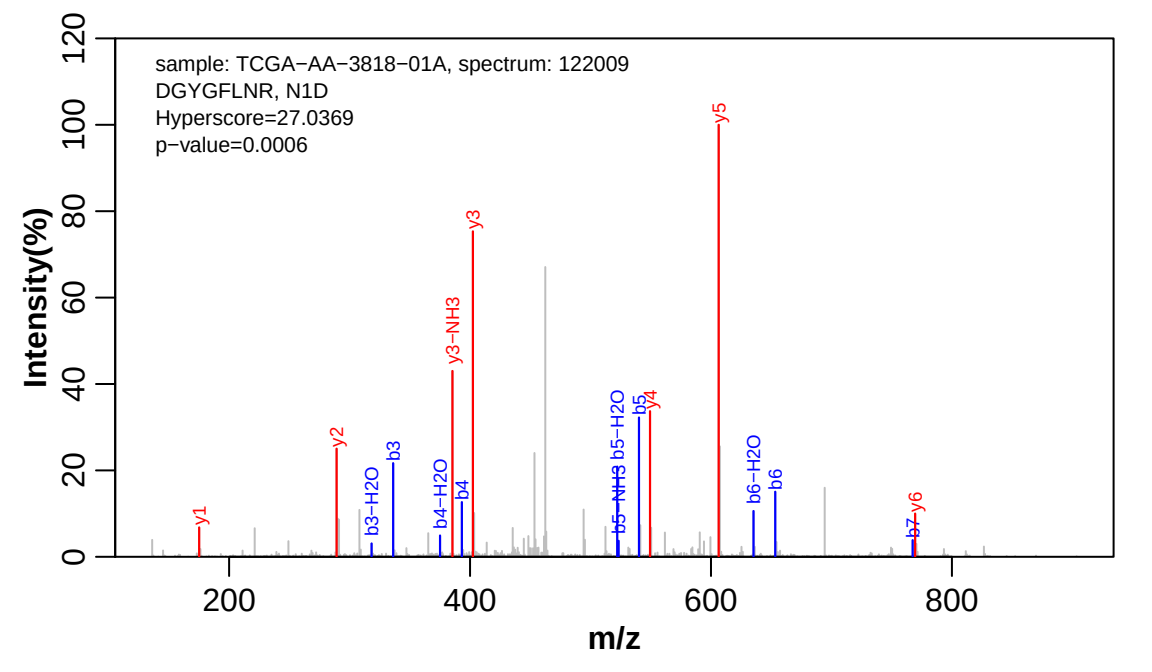

sample: TCGA−AA−3818−01A, spectrum: 44935
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=24.1526
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y14++
b8
y12++
y5−H2O
y13++
b7−H2O
b5−H2O
b5
y4
y7
b17++
b19
17++
y10

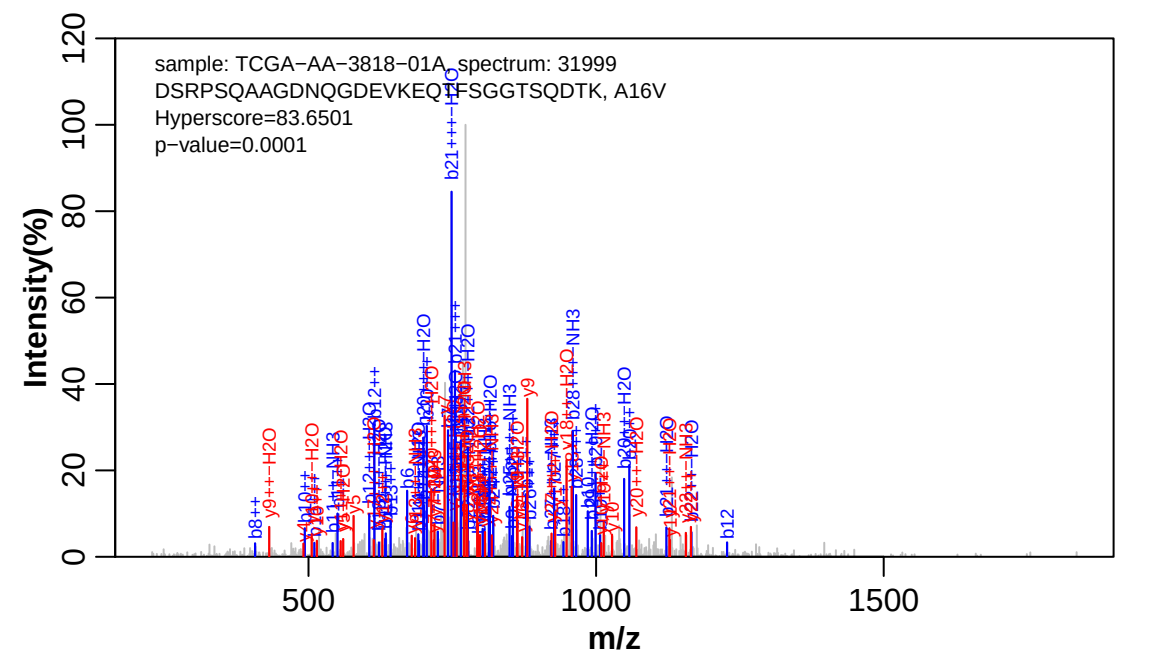

sample: TCGA−AA−3818−01A, spectrum: 125144
ACNVLQSSHLEDYPFDAEY, N16D
Hyperscore=17.8186
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
y6
y6−H2O
y7−H2O
y7
b10
b11
b12
b13
b13−NH3
y13
b15
b16

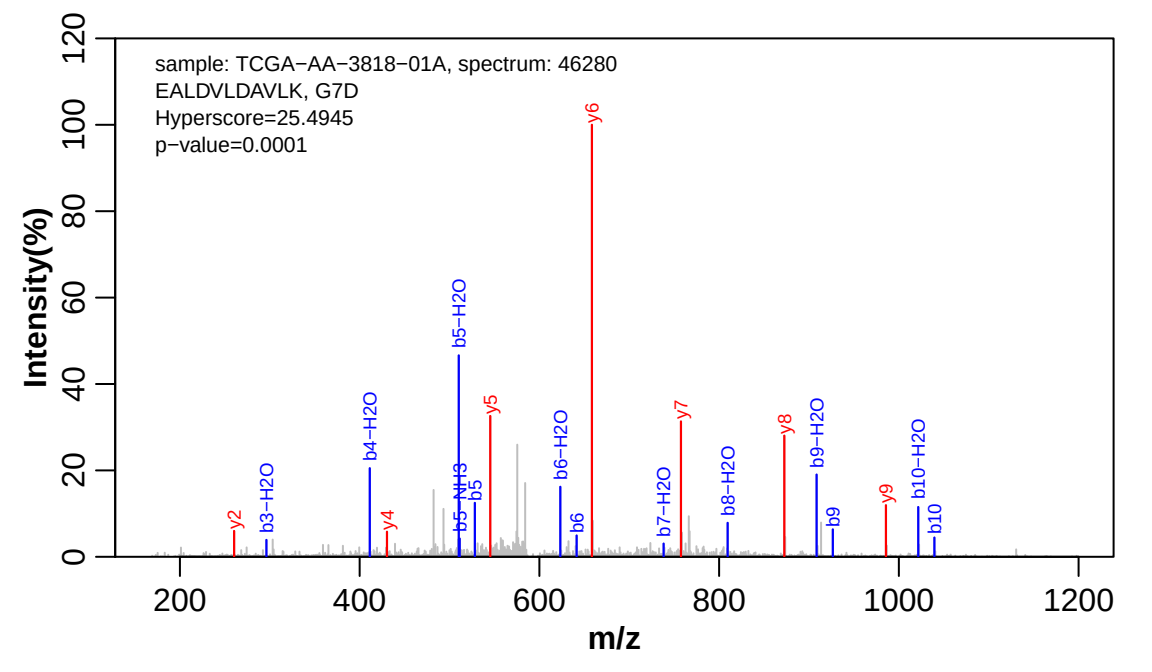

sample: TCGA−AA−3818−01A, spectrum: 20018
AGVETTTPSK, K7T
Hyperscore=26.3019
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3−H2O
y3
b4
y4
b5−NH3
b5−H2O
b5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
y8

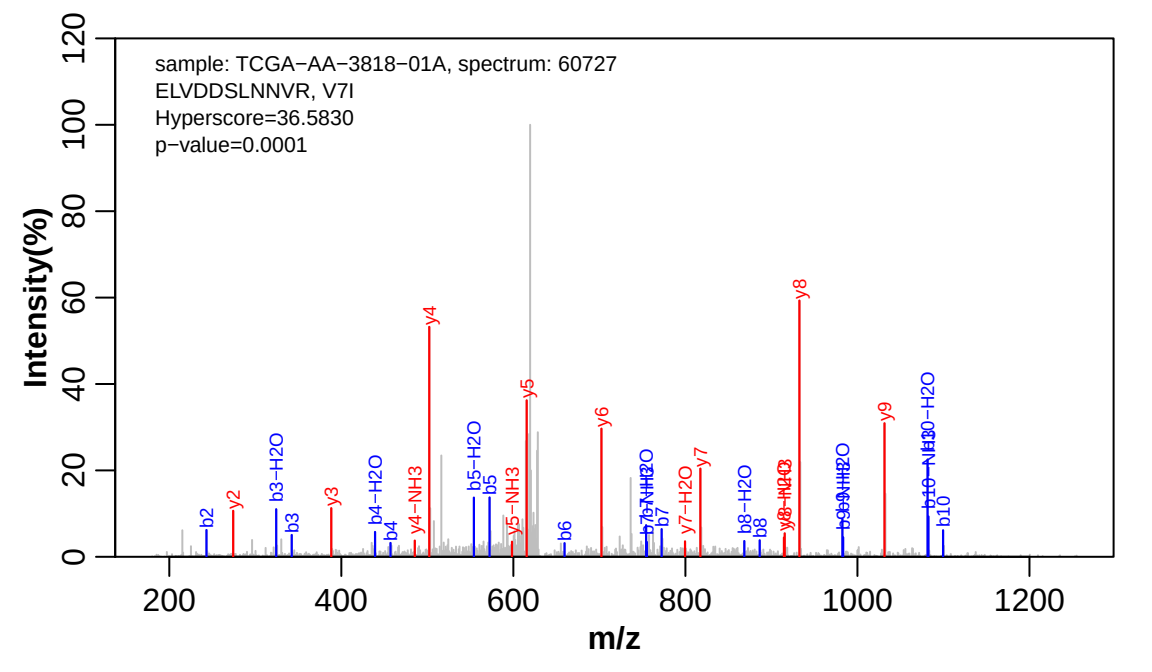

sample: TCGA−AA−3818−01A, spectrum: 108766
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.0862
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6
b7
b8
y9
y10
y11
y12
y15

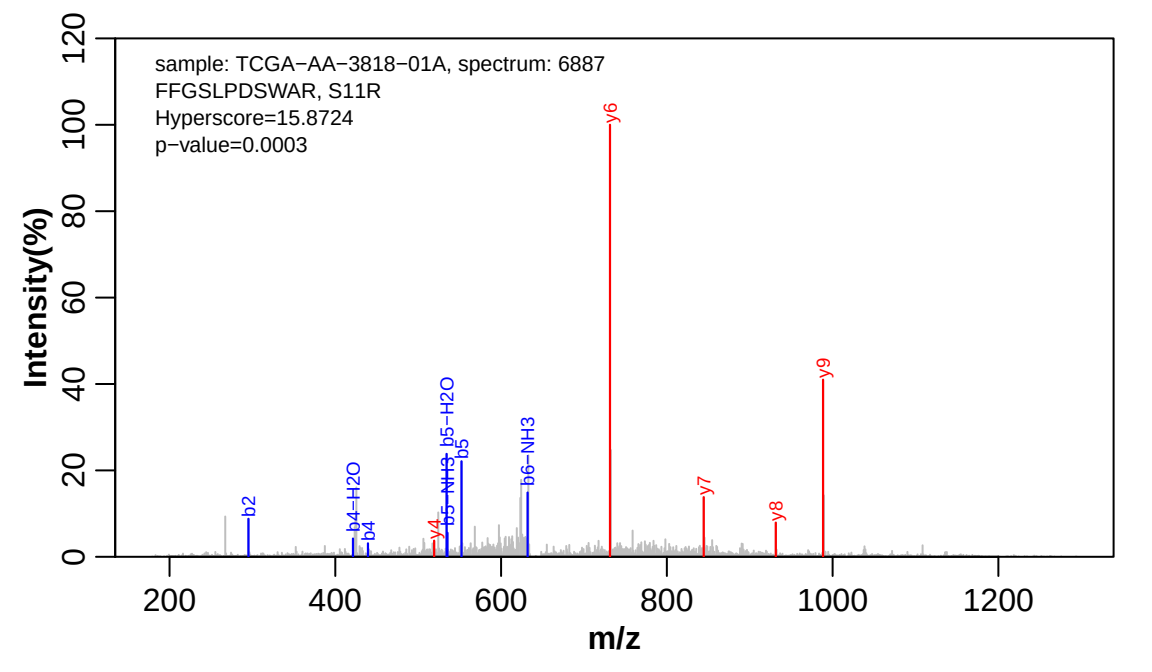

sample: TCGA−AA−3818−01A, spectrum: 17368
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=40.1371
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
y4
b4
b5
y6−H2O
y6
b6
y7−H2O
y7
y8−H2O
y8
b8
y9
b9
y11
y12
b13
y14

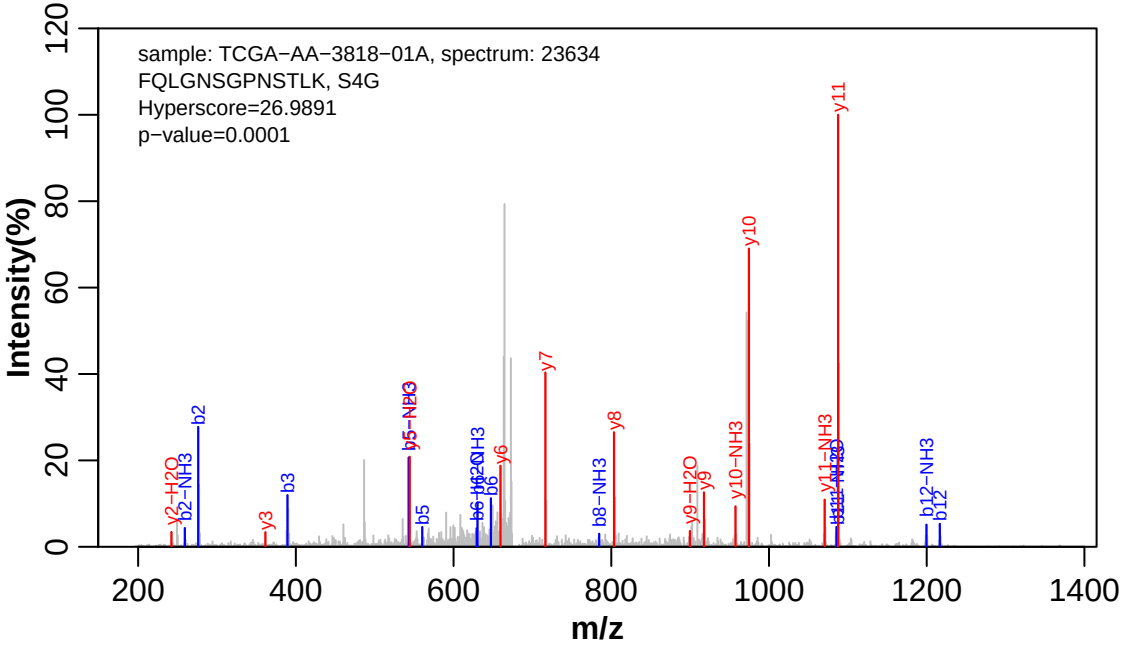

sample: TCGA−AA−3818−01A, spectrum: 122009
DGYGFLNR, N1D
Hyperscore=27.0369
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
y3
b4
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

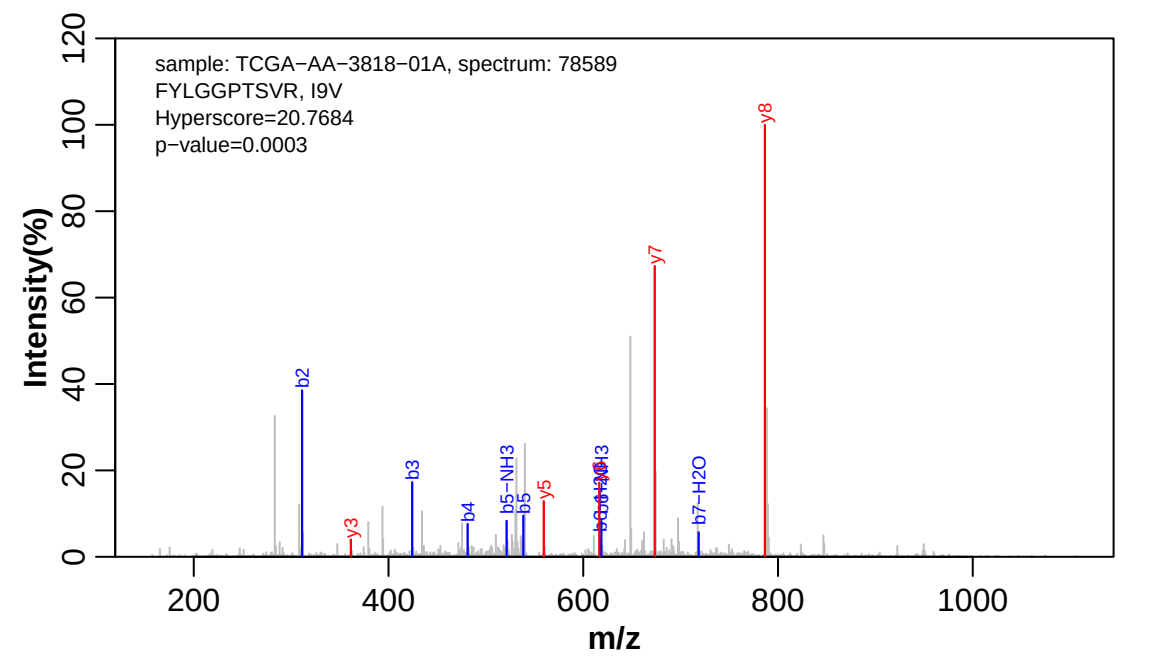

sample: TCGA−AA−3818−01A, spectrum: 31999
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=83.6501
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

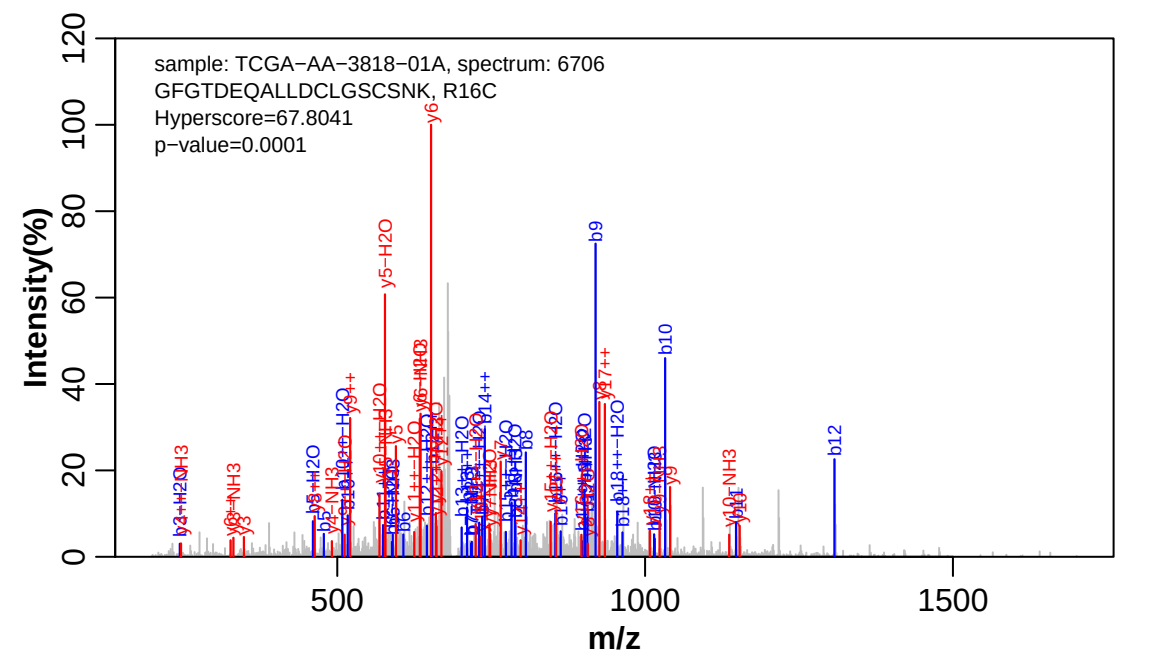

sample: TCGA−AA−3818−01A, spectrum: 46280
EALDVLDAVLK, G7D
Hyperscore=25.4945
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
b4−H2O
y4
b5−H2O
b5−NH3
b5
y5
y6
b6−H2O
b6
b7−H2O
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

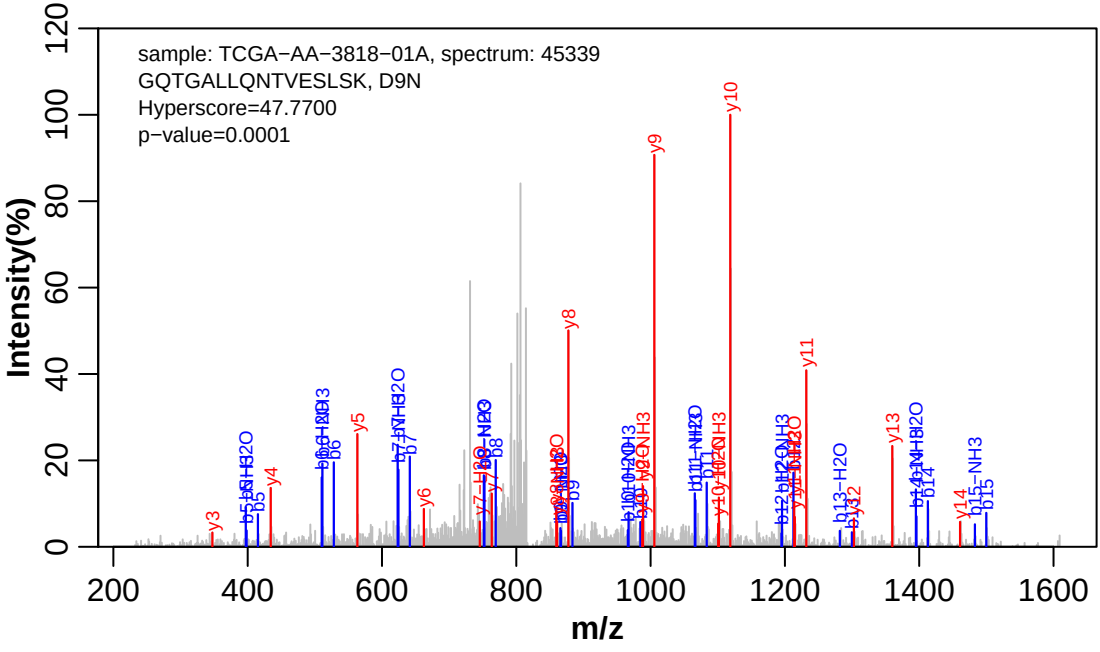

sample: TCGA−AA−3818−01A, spectrum: 60727
ELVDDSLNNVR, V7I
Hyperscore=36.5830
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
b5−H2O
b5
y5−NH3
y5
b6
y6
y7−H2O
y7
b8−H2O
b8
y8
y9
b10−H2O
b10

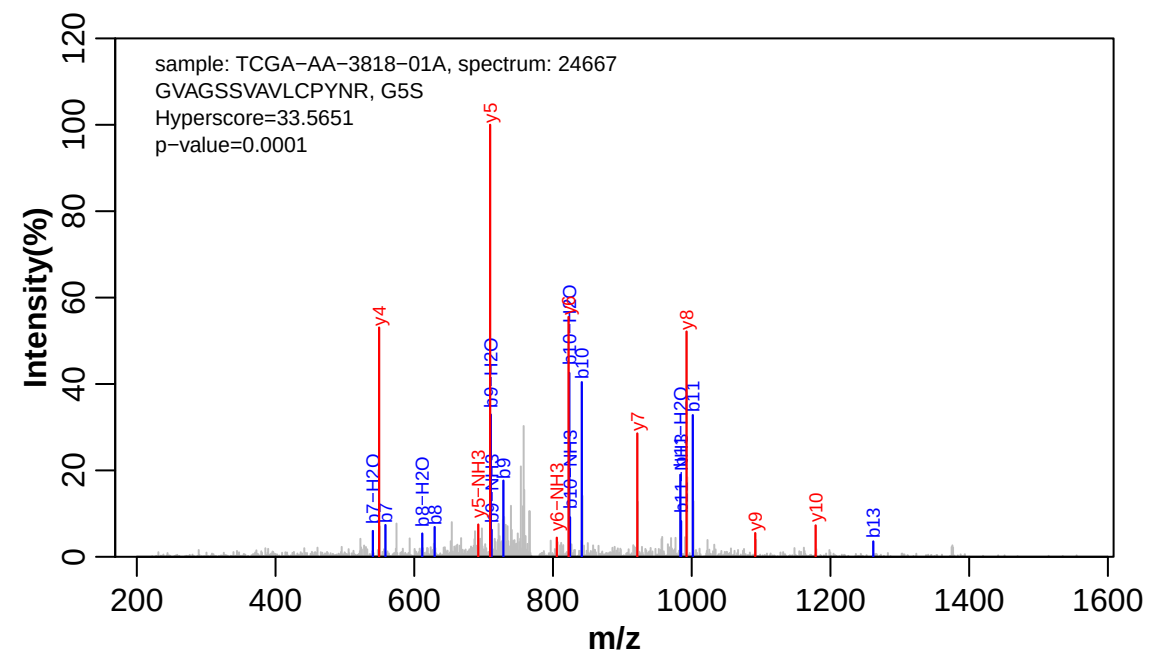

sample: TCGA−AA−3818−01A, spectrum: 6887
FFGSLPDSWAR, S11R
Hyperscore=15.8724
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

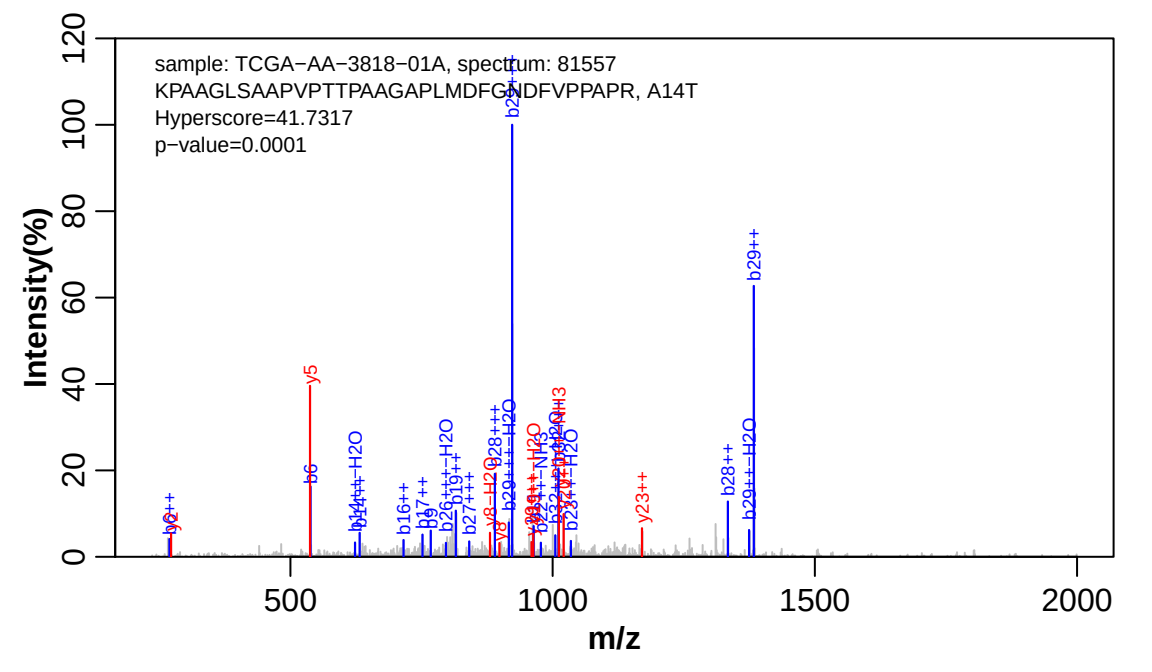

sample: TCGA−AA−3818−01A, spectrum: 23634
FQLGNSGPNSTLK, S4G
Hyperscore=26.9891
p−value=0.0001
Intensity(%)
m/z
y11
y10
y7
y8
y6
b2
y2−H2O
b2−NH3
y3
b3
b5
y10−NH3
y11−NH3
b8−NH3
y9−H2O
y9
b12−NH3
b12

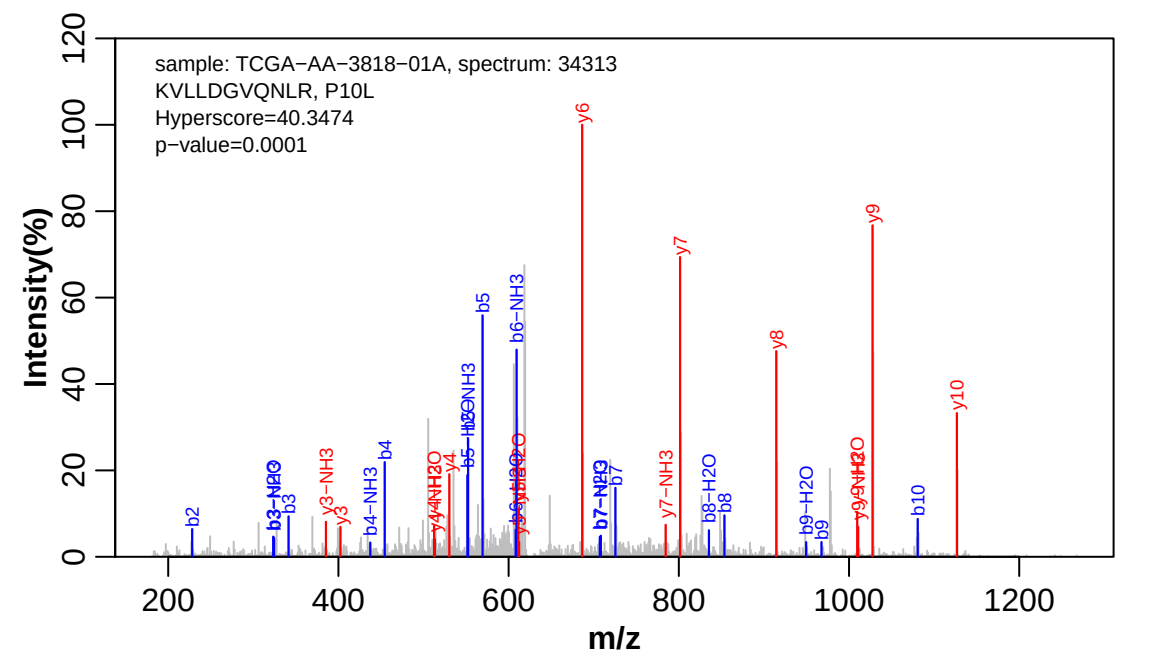

sample: TCGA−AA−3818−01A, spectrum: 78589
FYLGGPTSVR, I9V
Hyperscore=20.7684
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y3
b3
b4
b5−NH3
b5
y5
b6−NH3
y7
b7−H2O
y8

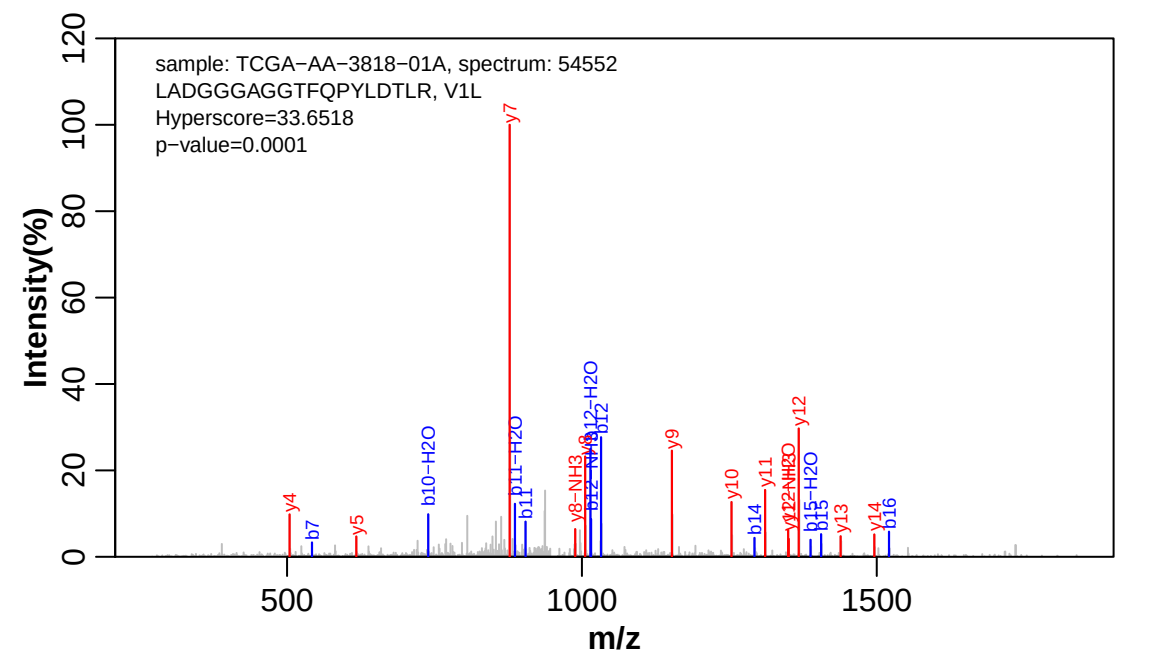

sample: TCGA−AA−3818−01A, spectrum: 6706
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=67.8041
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y7++
y4++
b14++
y10−NH3
y8−NH3
y3
y2+H2O+H3
y8+H2O
y5
y9
b18++−H2O

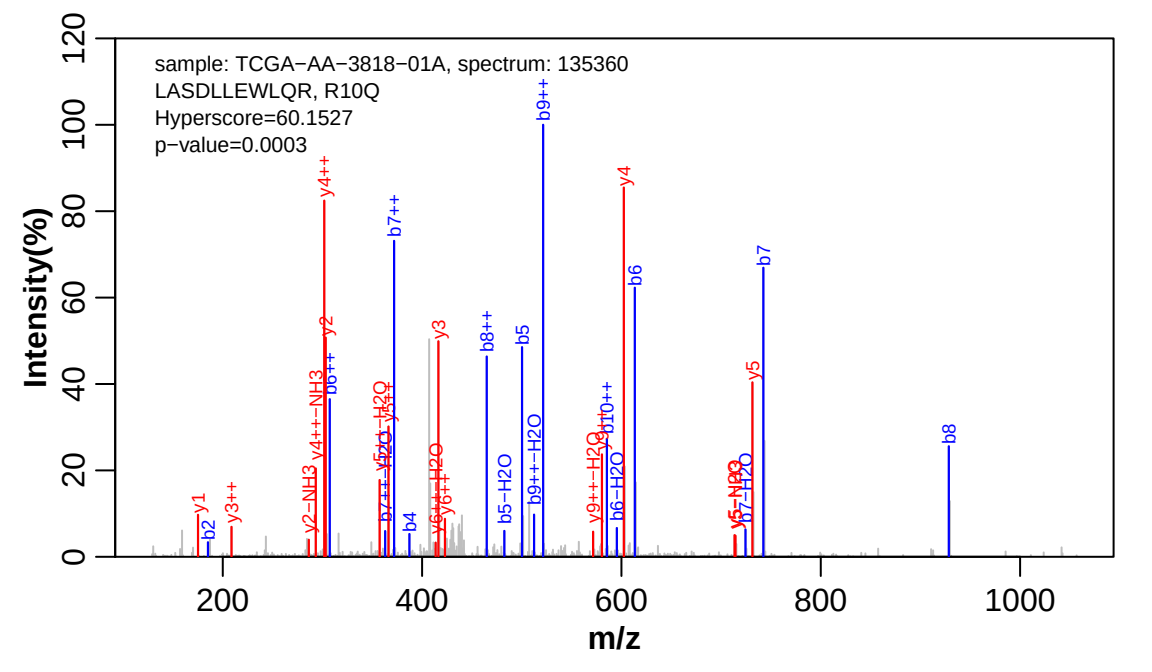

sample: TCGA−AA−3818−01A, spectrum: 45339
GQTGALLQNTVESLSK, D9N
Hyperscore=47.7700
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y5
y6
y4
y3
y13
y14
b15−NH3
b13−H2O

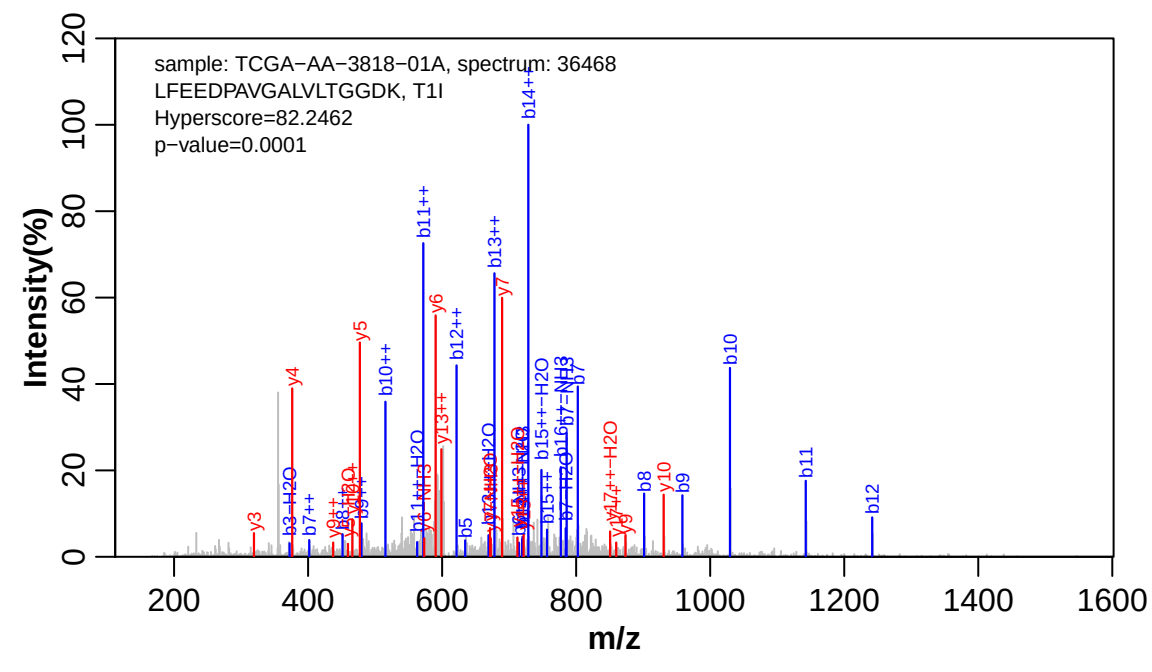

sample: TCGA−AA−3818−01A, spectrum: 24667
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.5651
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y4
b9−H2O
b10−H2O
b10
y8
y7
b11
b7−H2O
b7
b8−H2O
b8
y5−NH3
b9−NH3
b9
y6−NH3
b10−NH3
y9
y10
b13

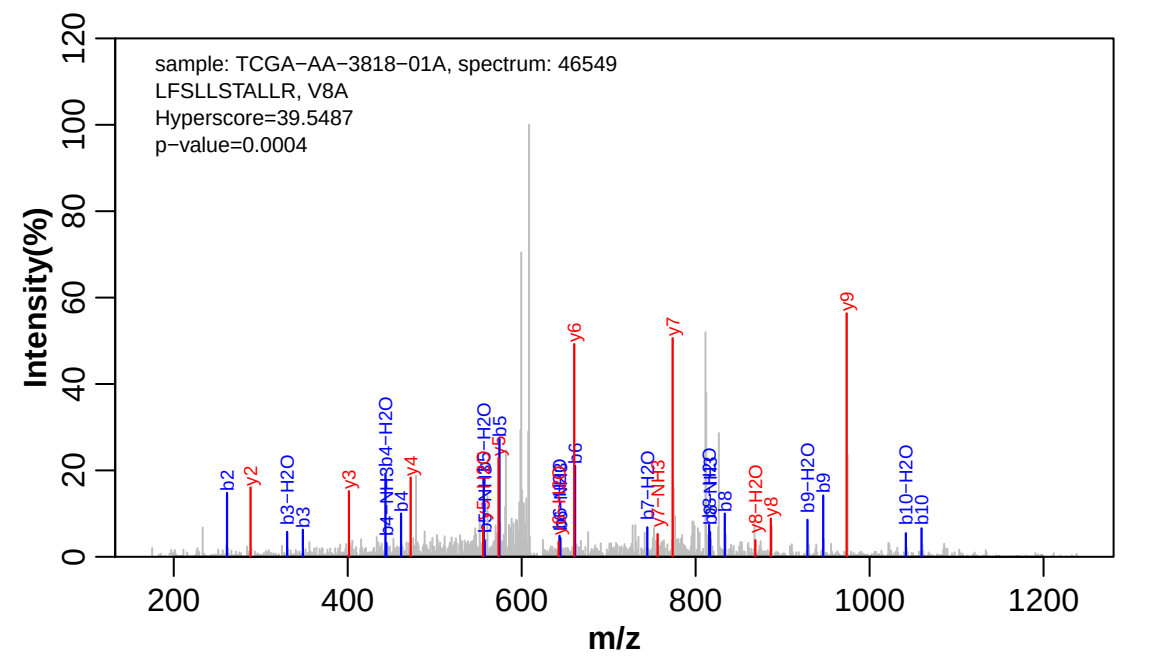

sample: TCGA−AA−3818−01A, spectrum: 81557
KPAAGLSAAPVPTTPAAGAPLMDFGNDFVPPAPR, A14T
Hyperscore=41.7317
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b2++
y2
y5
b6
b14++−H2O
b16++
b17++
b19++
b26+++−H2O
b27+++
y8−H2O
b28+++
b29+++−H2O
b28++
y23++
b29++
b29++−H2O

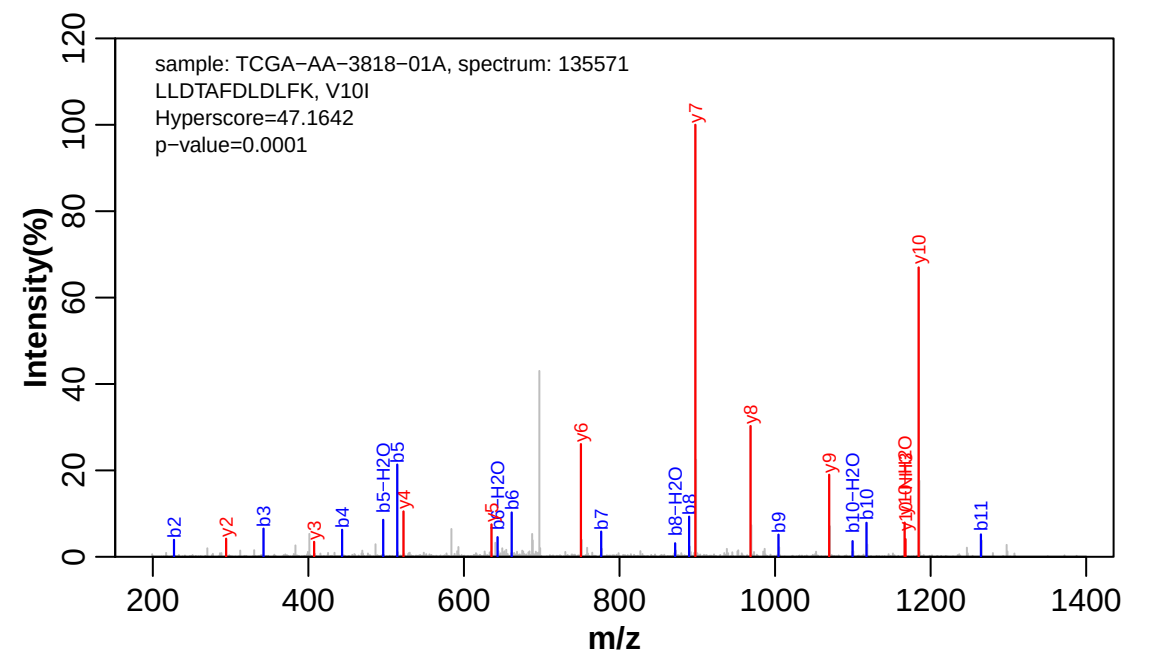

sample: TCGA−AA−3818−01A, spectrum: 34313
KVLLDGVQNLR, P10L
Hyperscore=40.3474
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3−NH3
y3
b4
b4−NH3
y4
b5
b5−NH3
b6−NH3
y6
b7
y7−NH3
y7
b8−H2O
b8
y8
b9−H2O
b9
y9
b10
y10

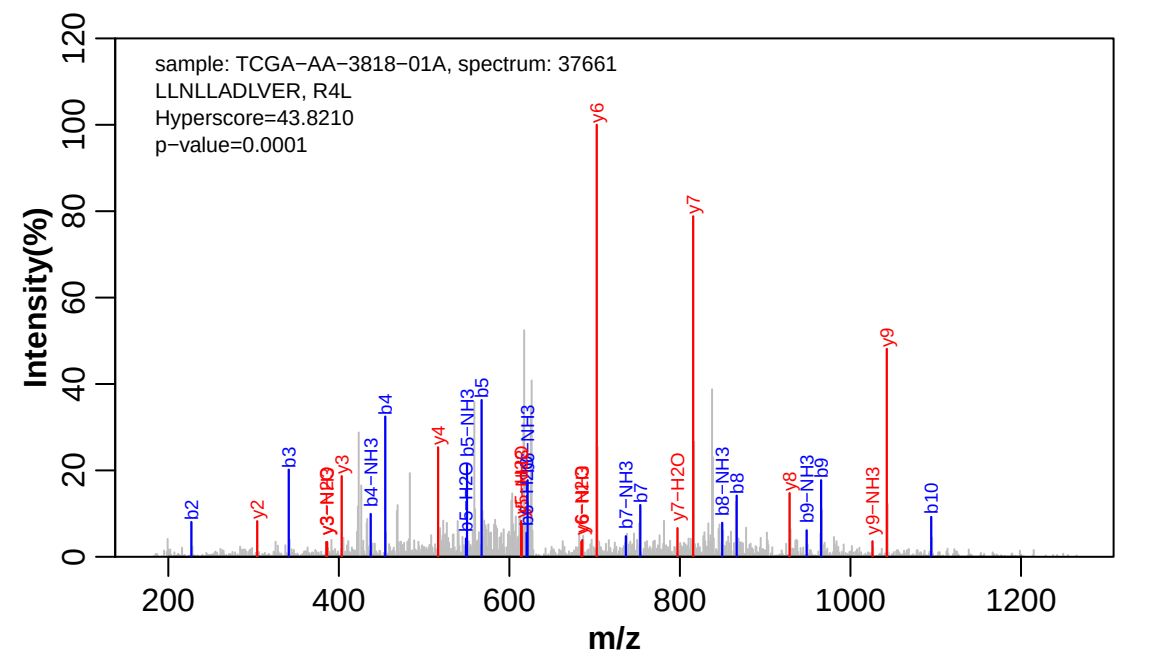

sample: TCGA−AA−3818−01A, spectrum: 54552
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=33.6518
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4
b7
y5
b10−H2O
y7
b11−H2O
b11
y8−NH3
y8
b12−NH3
b12−H2O
b12
y9
y10
b14
y11
y12−NH3
y12−H2O
y12
b15−H2O
b15
y13
y14
b16

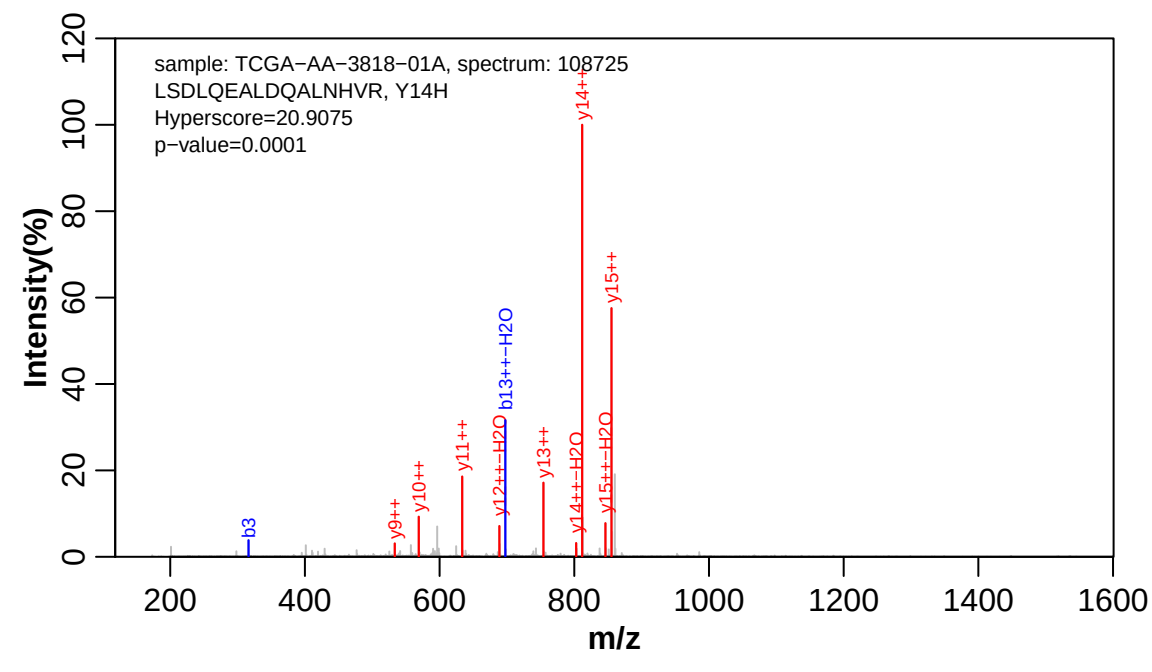

sample: TCGA−AA−3818−01A, spectrum: 135360
LASDLLEWLQR, R10Q
Hyperscore=60.1527
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y3++
y2−NH3
y4++−NH3
y4++
b6++
y2
b7++
y5++−H2O
y5++
b4
y6++−H2O
y6++
y3
b8++
b5
b5−H2O
b9++−H2O
b9++
y9++−H2O
y9++
b6−H2O
b10++
y4
b6
b7
y5
b8

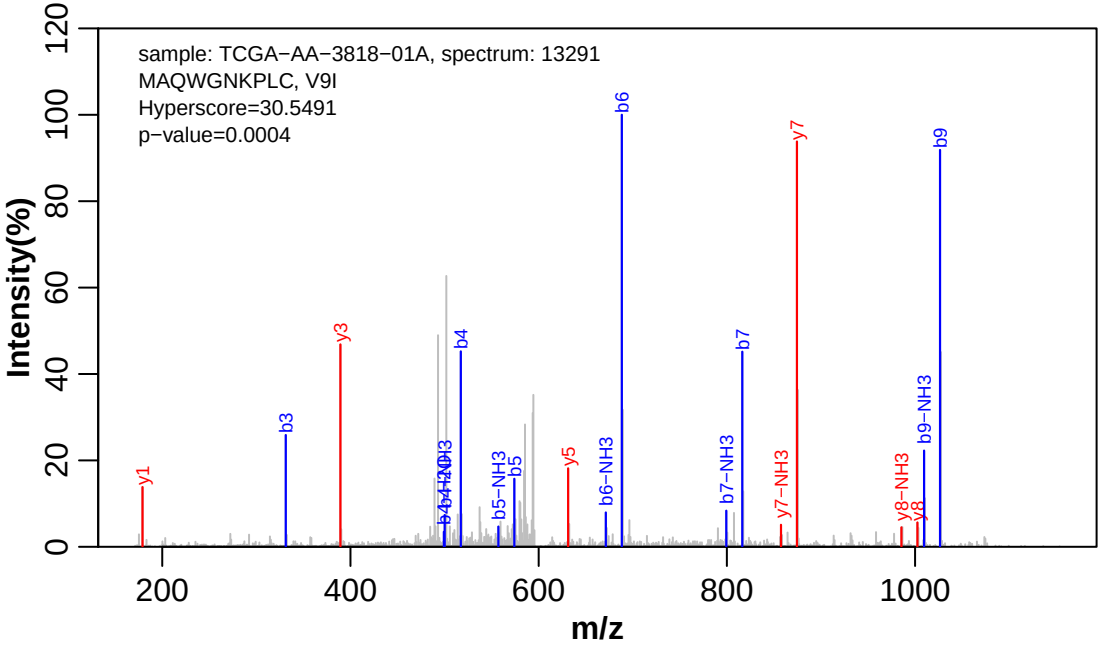

sample: TCGA−AA−3818−01A, spectrum: 36468
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=82.2462
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b14++
b11++
y6
b13++
y7
y5
b12++
b10++
y13++
b15++−H2O
b10
b11
b12
b8
y10
b9
b5
b7++
y3
y4
b3−H2O

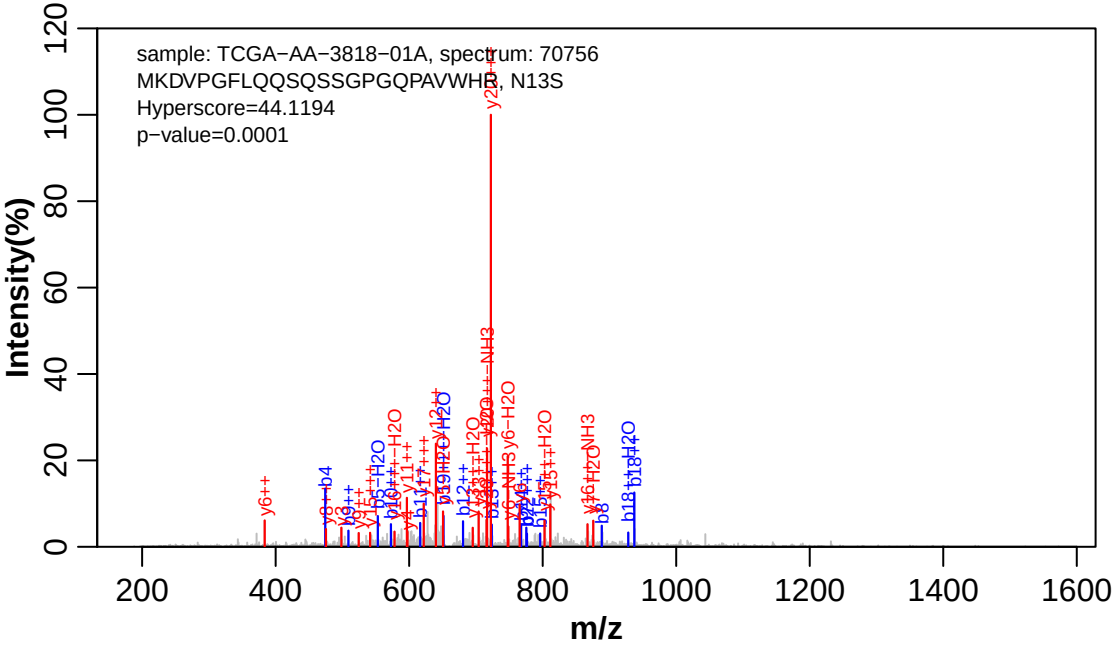

sample: TCGA−AA−3818−01A, spectrum: 46549
LFSLLSTALLR, V8A
Hyperscore=39.5487
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−NH3
b4−H2O
b4
y4
y5−H2O
y5
b6
y6
y7
b7−H2O
y7−NH3
b8−NH3
b8−H2O
b8
y8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

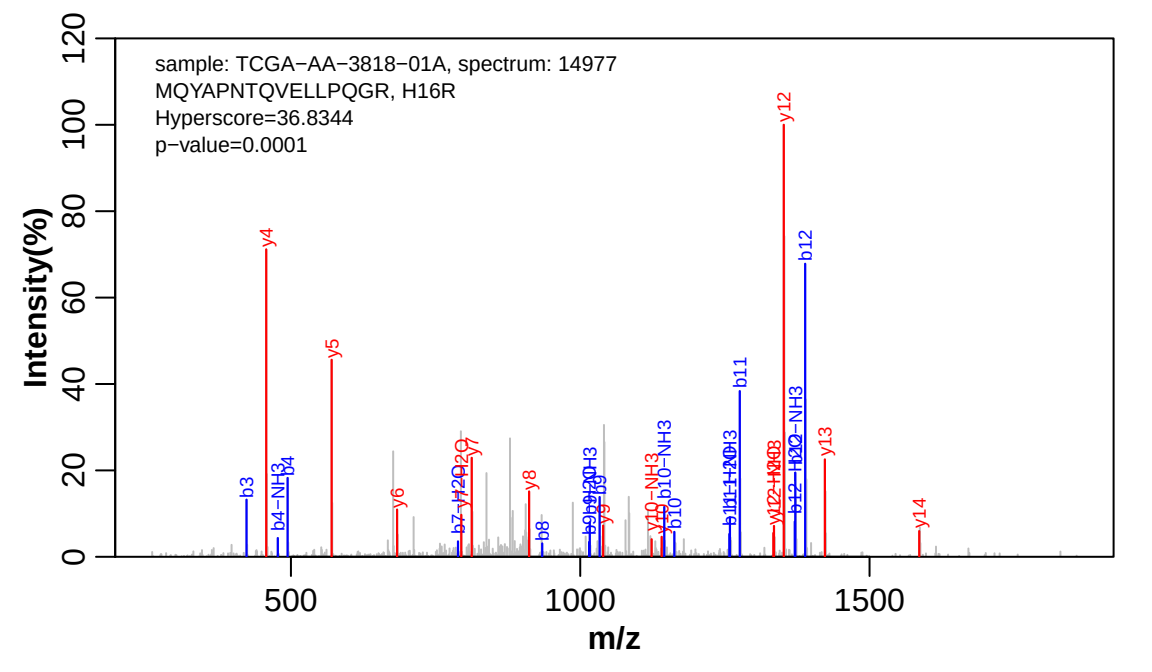

sample: TCGA−AA−3818−01A, spectrum: 135571
LLDTAFDLDLFK, V10I
Hyperscore=47.1642
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
b5−H2O
b5
y4
y5
b6−H2O
b6
y6
b7
b8−H2O
b8
y7
b9
y8
b10−H2O
b10
y9
y10−NH3
y10−H2O
y10
b11

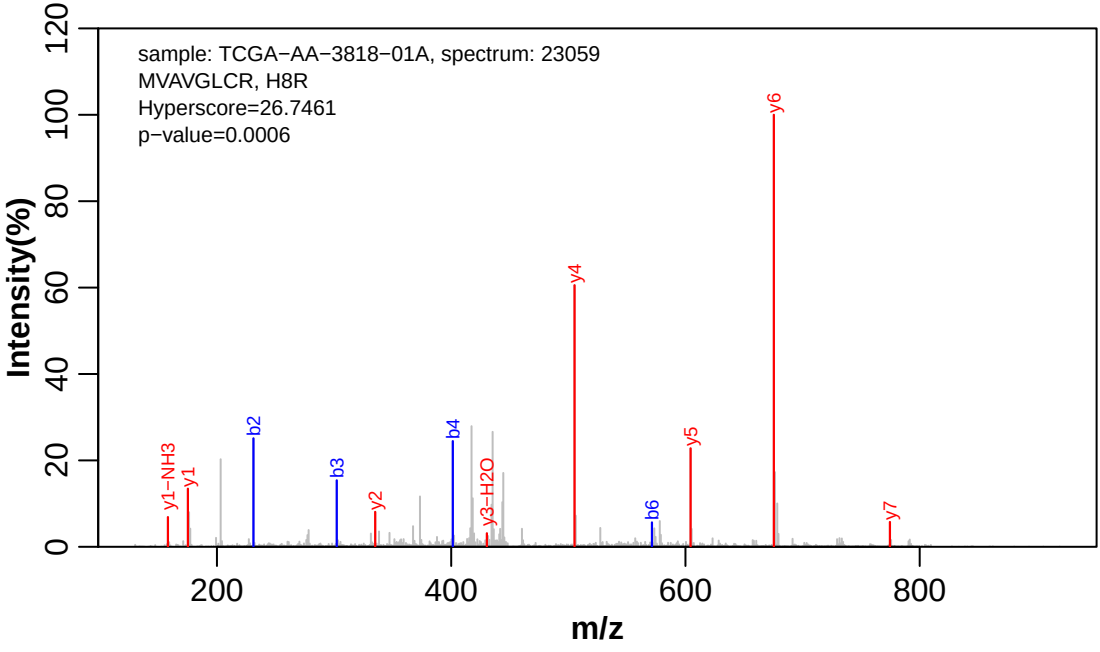

sample: TCGA−AA−3818−01A, spectrum: 37661
LLNLLADLVER, R4L
Hyperscore=43.8210
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y4
y2
y3
b2
b3
b4
b5
b4−NH3
b5−NH3
b5−H2O
y7−H2O
b7−NH3
b7
b8−NH3
b8
y8
b9−NH3
b9
y9−NH3
b10

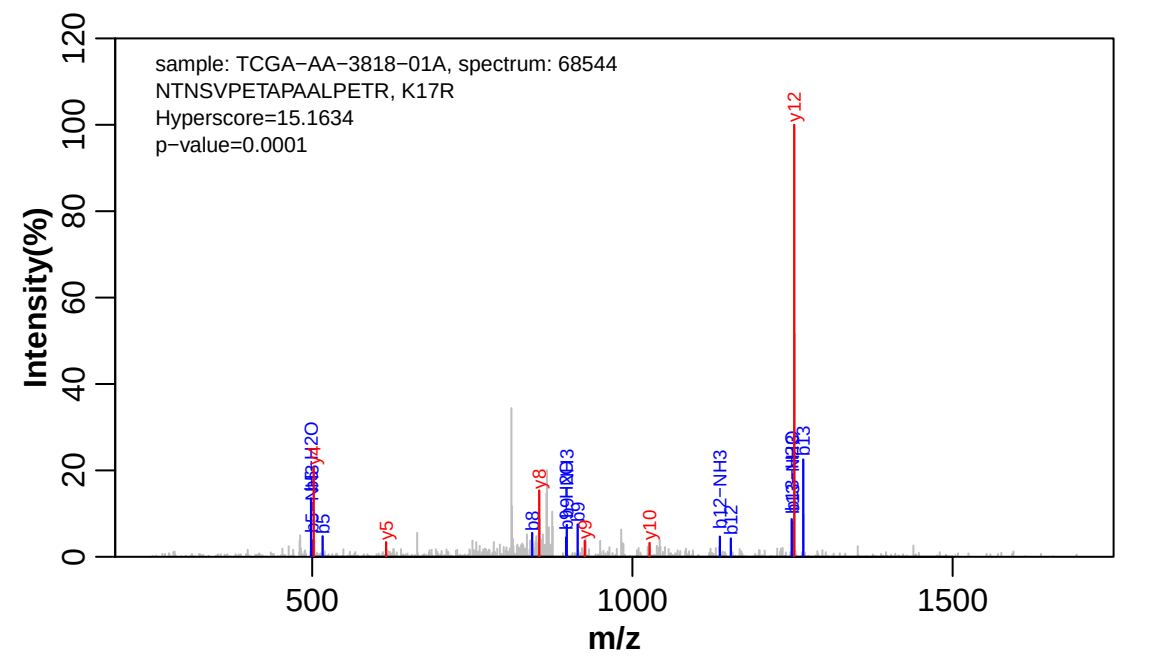

sample: TCGA−AA−3818−01A, spectrum: 108725
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.9075
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y9++
y10++
y11++
y12++−H2O
b13++−H2O
y13++
y14++−H2O
y14++
y15++−H2O
y15++

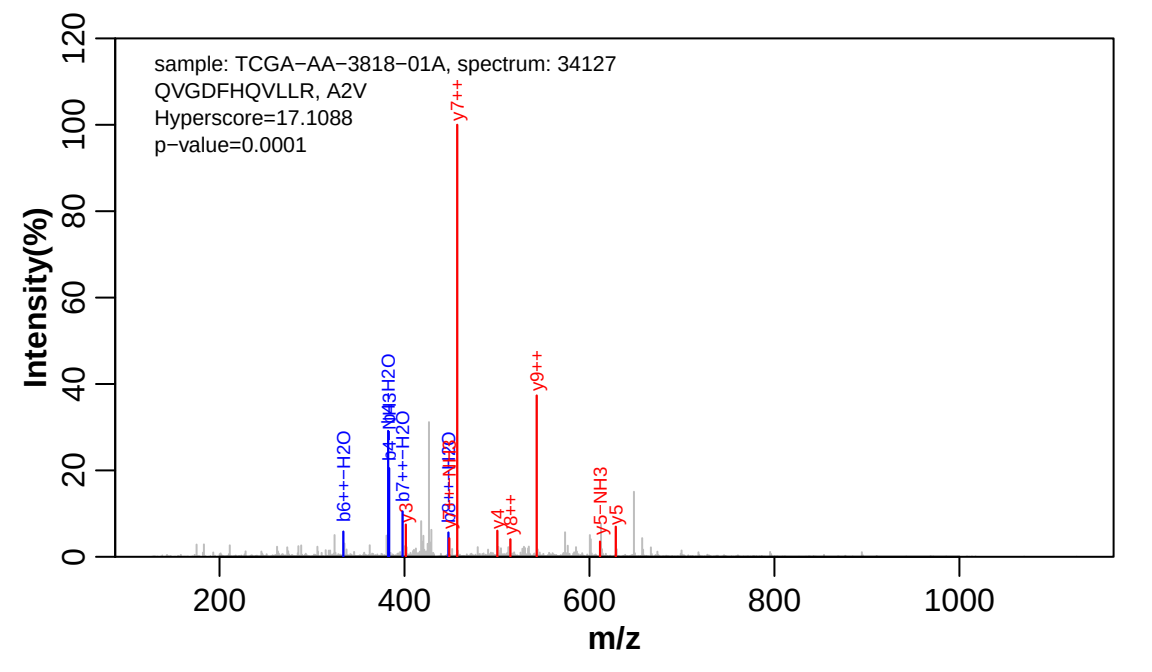

sample: TCGA−AA−3818−01A, spectrum: 13291
MAQWGNKPLC, V9I
Hyperscore=30.5491
p−value=0.0004
Intensity(%)
m/z
y1
b3
y3
b4
b5−NH3
b5
y5
b6−NH3
b6
b7−NH3
b7
y7−NH3
y7
y8−NH3
y8
b9−NH3
b9

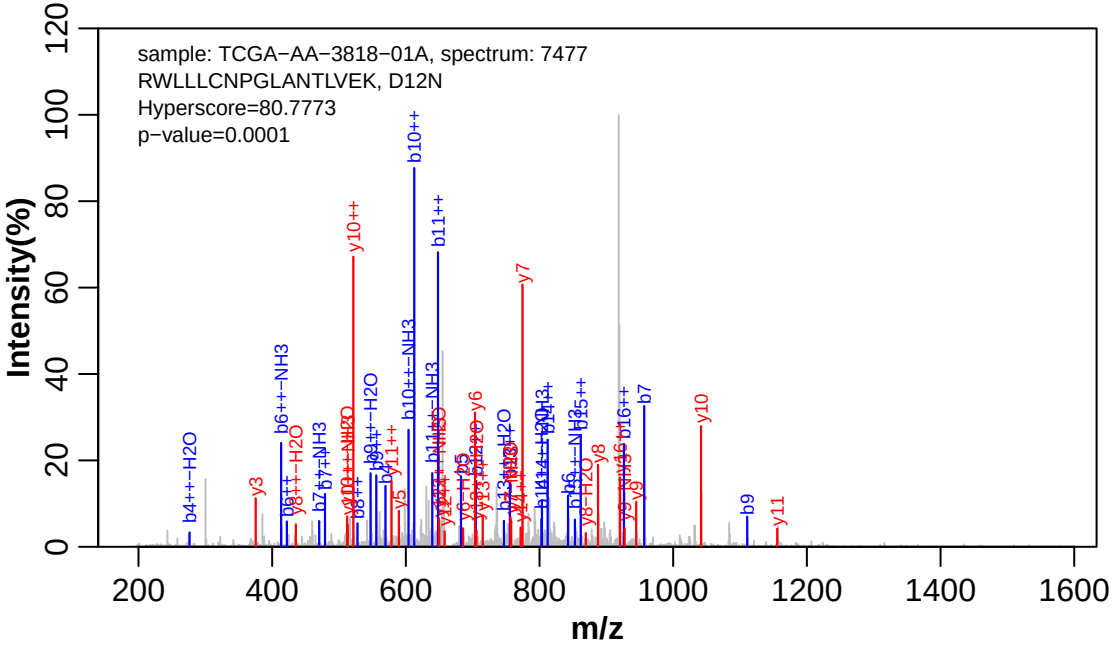

sample: TCGA−AA−3818−01A, spectrum: 70756
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=44.1194
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6++
y2++
y2++−NH3
y6−NH3
y6−H2O
y8++−H2O
y8++
y8++−NH3
y8++−H2O
y11++
y4
b11++
b12++
b12++−H2O
y13++−H2O
y13++
y6+−NH3
y6+−H2O
y6+
y15++
y15++−H2O
y16++−H2O
y16++
b15++−H2O
y8+
y8+−NH3
y8+−H2O
y9++
y9++−NH3
y9++−H2O
y10++
y10++−NH3
y10++−H2O
y11++−NH3
y11++−H2O
y12++
y12++−NH3
y12++−H2O
y13++−NH3
y14++
y14++−NH3
y14++−H2O
y15++−NH3
y15++−H2O
y16++−NH3
y16++−H2O
b2++
b3++
b3++−H2O
b4++
b4++−H2O
b5++
b5++−H2O
b6++
b6++−H2O
b7++
b7++−H2O
b8++
b8++−H2O
b9++
b9++−H2O
b10++
b10++−H2O
b11++
b11++−H2O
b12++
b12++−H2O
b13++
b13++−H2O
b14++
b14++−H2O
b15++
b15++−H2O
b16++
b16++−H2O
b17++
b17++−H2O
b18++
b18++−H2O
y1+
y2+
y2+−NH3
y2+−H2O
y3+
y3+−NH3
y3+−H2O
y4+
y4+−NH3
y4+−H2O
y5+
y5+−NH3
y5+−H2O
y6+
y6+−NH3
y6+−H2O
y7+
y7+−NH3
y7+−H2O
y8+
y8+−NH3
y8+−H2O
y9+
y9+−NH3
y9+−H2O
y10+
y10+−NH3
y10+−H2O
y11+
y11+−NH3
y11+−H2O
y12+
y12+−NH3
y12+−H2O
y13+
y13+−NH3
y13+−H2O
y14+
y14+−NH3
y14+−H2O
y15+
y15+−NH3
y15+−H2O
y16+
y16+−NH3
y16+−H2O
b1+
b2+
b2+−NH3
b2+−H2O
b3+
b3+−NH3
b3+−H2O
b4+
b4+−NH3
b4+−H2O
b5+
b5+−NH3
b5+−H2O
b6+
b6+−NH3
b6+−H2O
b7+
b7+−NH3
b7+−H2O
b8+
b8+−NH3
b8+−H2O
b9+
b9+−NH3
b9+−H2O
b10+
b10+−NH3
b10+−H2O
b11+
b11+−NH3
b11+−H2O
b12+
b12+−NH3
b12+−H2O
b13+
b13+−NH3
b13+−H2O
b14+
b14+−NH3
b14+−H2O
b15+
b15+−NH3
b15+−H2O
b16+
b16+−NH3
b16+−H2O
b17+
b17+−NH3
b17+−H2O
b18+
b18+−NH3
b18+−H2O

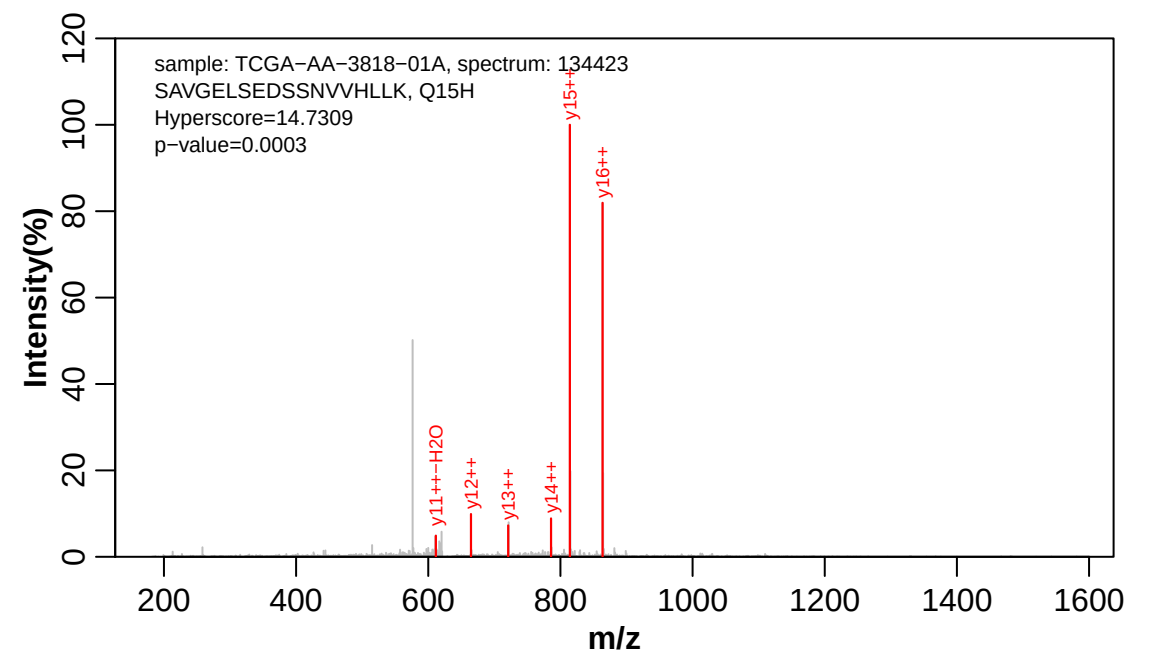

sample: TCGA−AA−3818−01A, spectrum: 14977
MQYAPNTQVELLPQGR, H16R
Hyperscore=36.8344
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y4
b12
y5
b11
b12−NH3
y13
y8
y6
y14
b3
b4−NH3
b4
b8
b10−NH3
y10−NH3
b10
y7
y9
b9

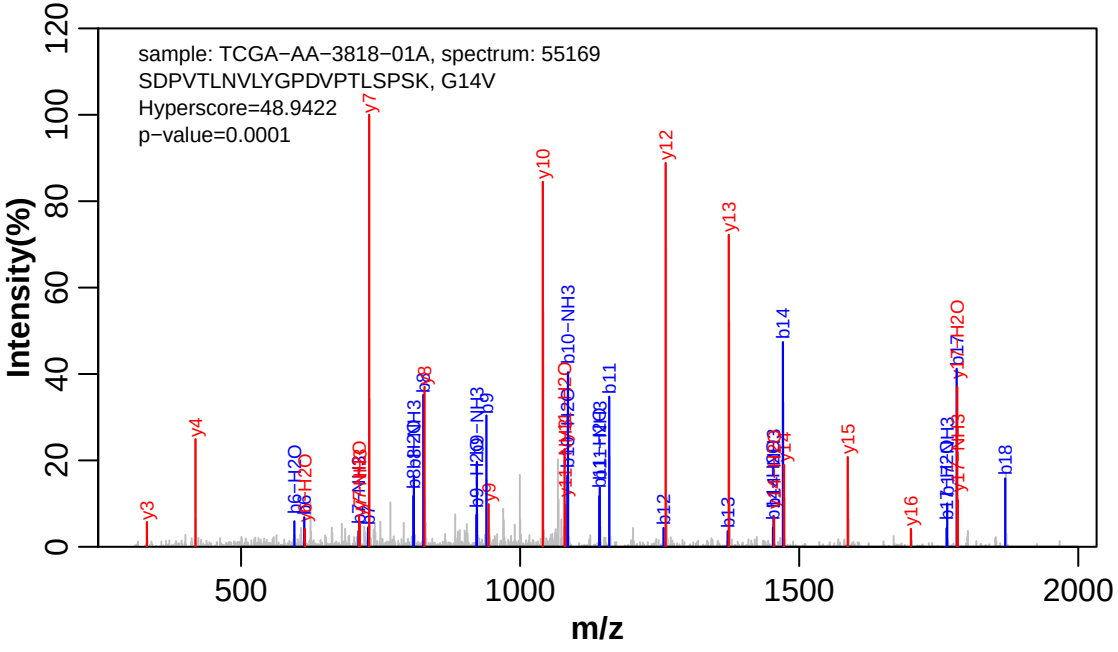

sample: TCGA−AA−3818−01A, spectrum: 23059
MVAVGLCR, H8R
Hyperscore=26.7461
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1−NH3
y1
b2
b3
y2
b4
y3−H2O
y4
b6
y5
y6
y7

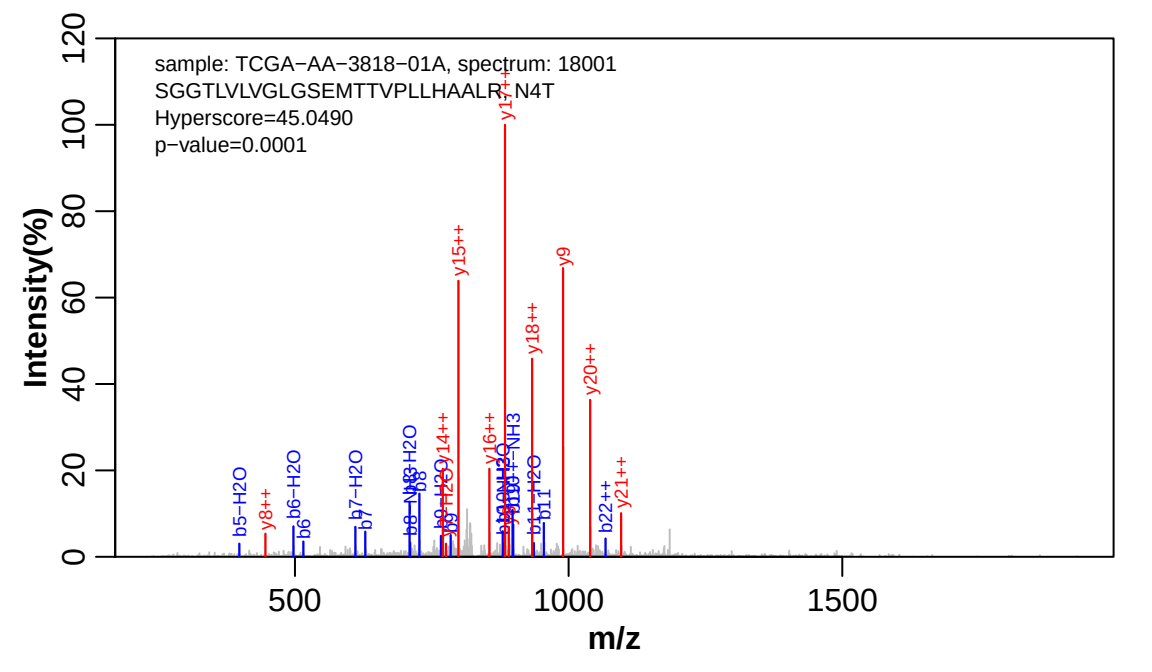

sample: TCGA−AA−3818−01A, spectrum: 68544
NTNSVPETAPAALPETR, K17R
Hyperscore=15.1634
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
y10
b8
b5
b12
b13
b12−NH3
y2O
0
20
40
60
80
100
120
500
1000
1500

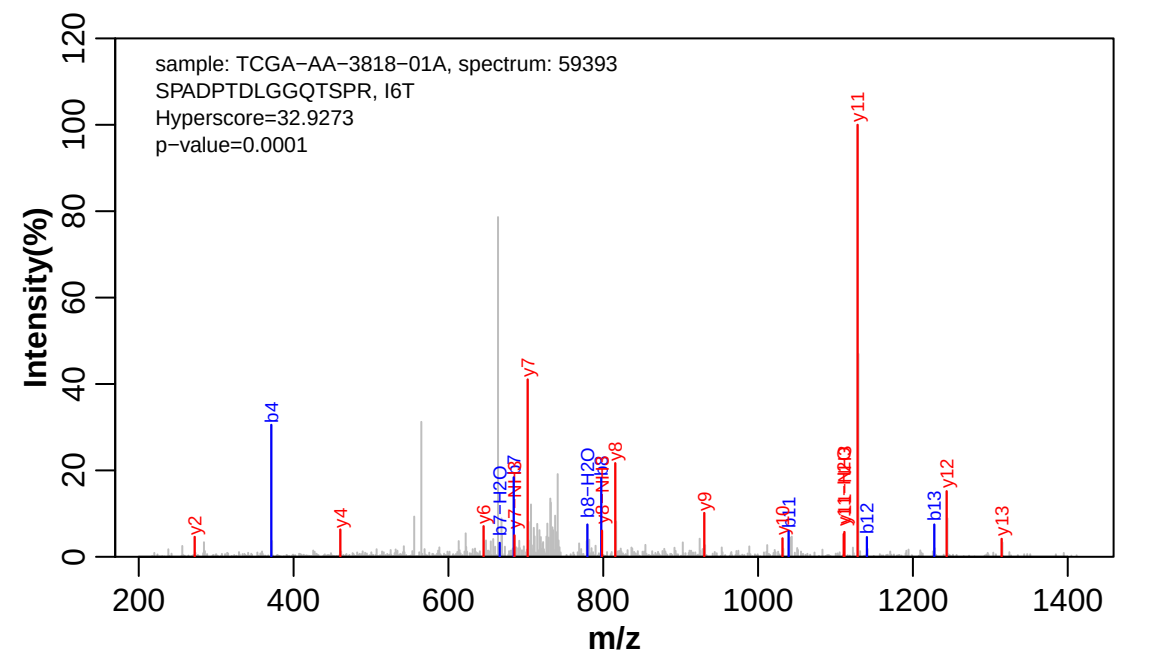

sample: TCGA−AA−3818−01A, spectrum: 34127
QVGDFHQVLLR, A2V
Hyperscore=17.1088
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y7++
y9++
b6++−H2O
b4−NH3
b4−H2O
y3
b7++−H2O
y8++−NH3
y8++−H2O
y4
y8++
y5−NH3
y5

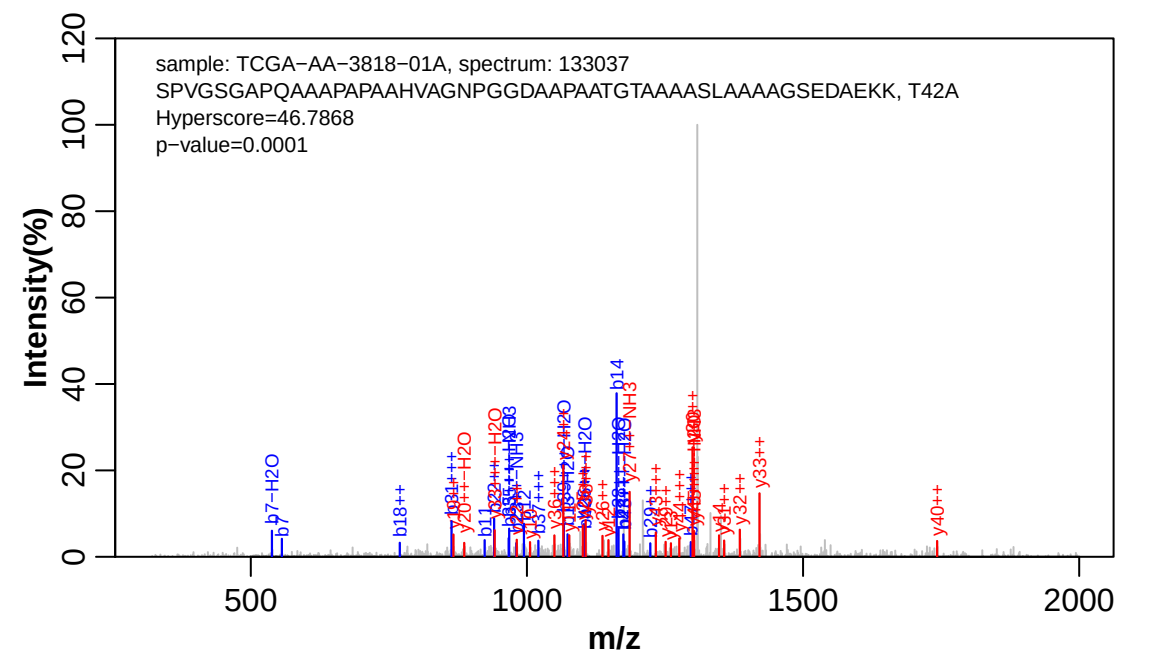

sample: TCGA−AA−3818−01A, spectrum: 7477
RWLLLCNPGLANTLVEK, D12N
Hyperscore=80.7773
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4++−H2O
y3
b6++−NH3
b6++−H2O
y8−H2O
b7++−NH3
b7++
y10++
b8++−H2O
b9++−H2O
b5++
y11++
y5
b10++−NH3
b10++
b11++
y7
y6
b12++
y8
b15++
b16++
b7
y10
b9
y11

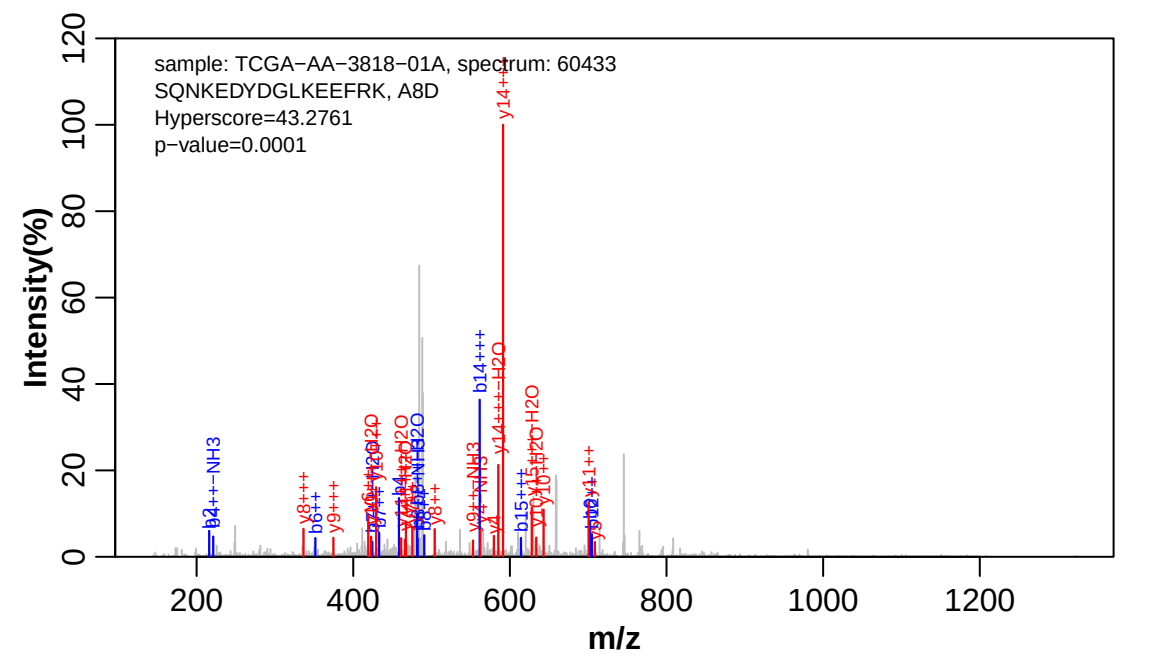

sample: TCGA−AA−3818−01A, spectrum: 134423
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=14.7309
p−value=0.0003
y15++
y16++
y11++−H2O
y12++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

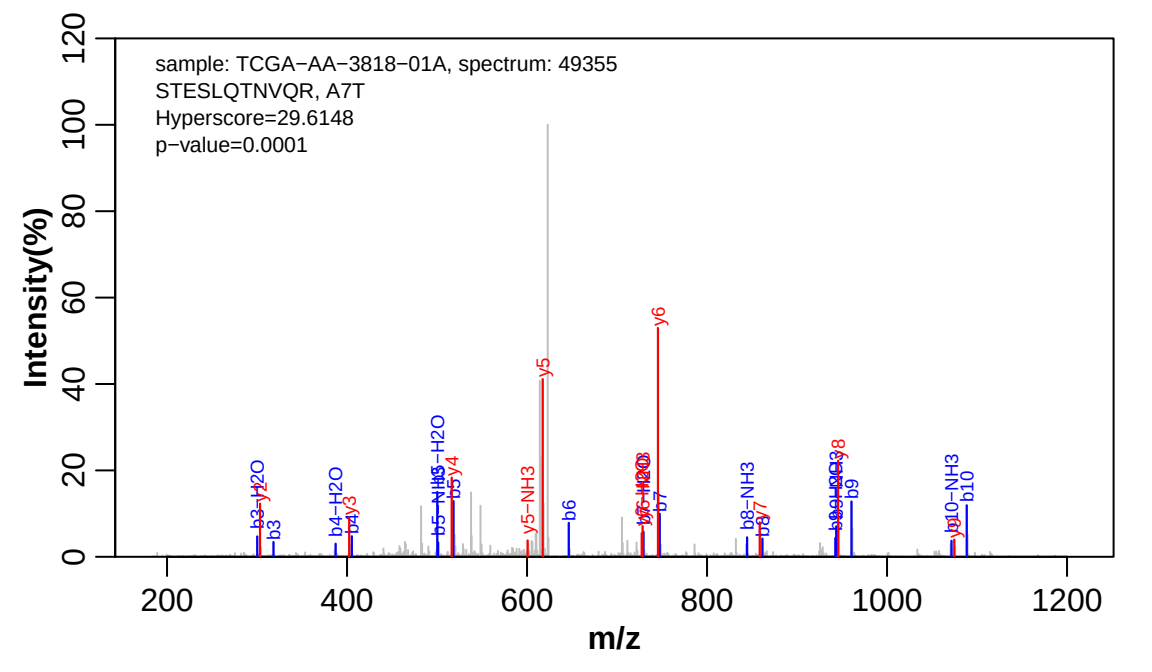

sample: TCGA−AA−3818−01A, spectrum: 55169
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=48.9422
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y7
y10
y12
y13
y15
y16
y17−H2O
y17−NH3
b10−NH3
b11
b12
b13
b14
b18

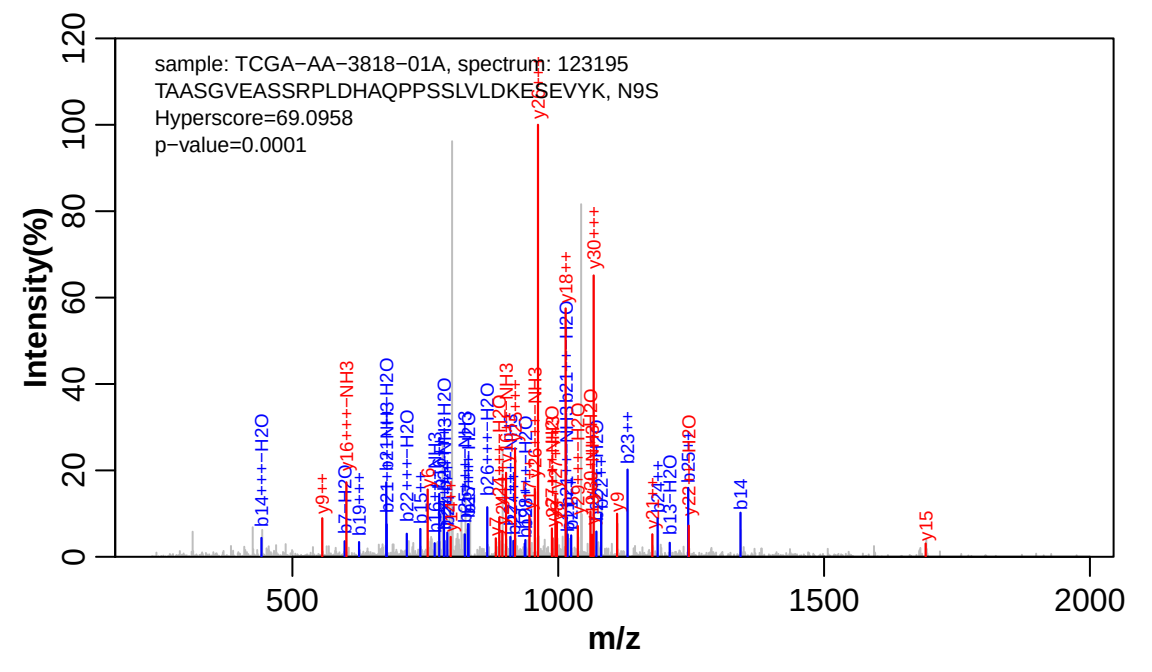

sample: TCGA−AA−3818−01A, spectrum: 18001
SGGTLVLVGLGSEMTTVPLLHAALR_N4T
Hyperscore=45.0490
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y15++
y9
y18++
y20++
y16++
y14++
y21++
b22++
b5−H2O
y8++
b6−H2O
b6
b7−H2O
b7
b8
b11−H2O
b11

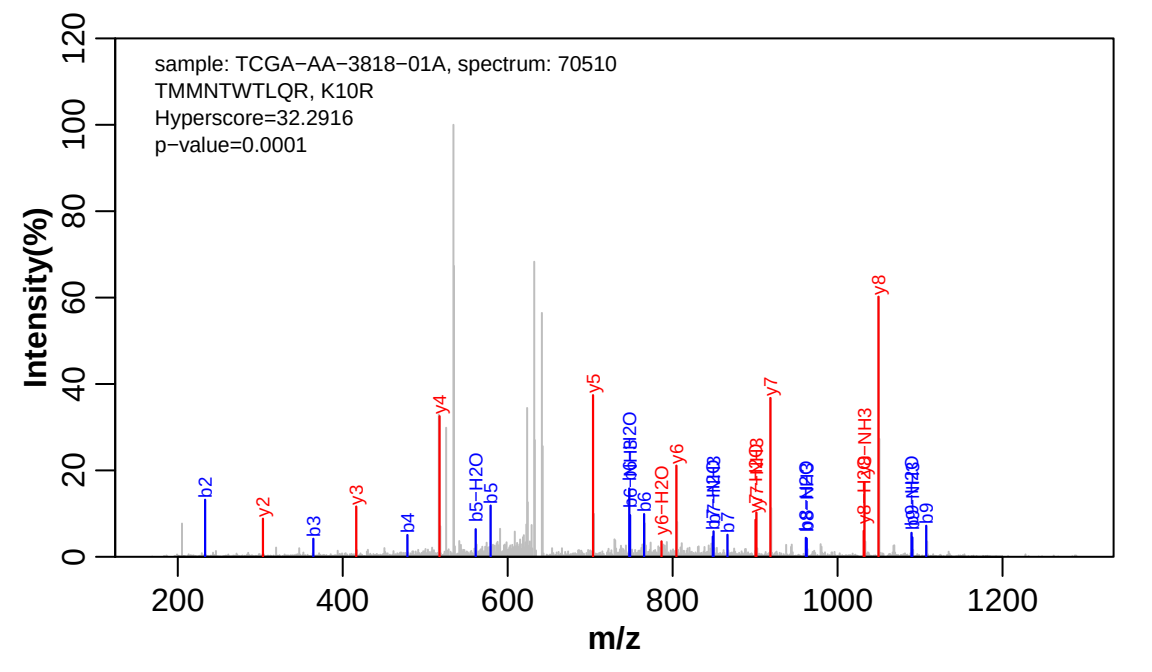

sample: TCGA−AA−3818−01A, spectrum: 59393
SPADPTDLGGQTSPR, I6T
Hyperscore=32.9273
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4
y4
y6
b7−H2O
y7−NH3
y7
b8−H2O
y8−NH3
y8
y9
b11
y10
y11−NH3
y11−H2O
y11
b12
b13
y12
y13

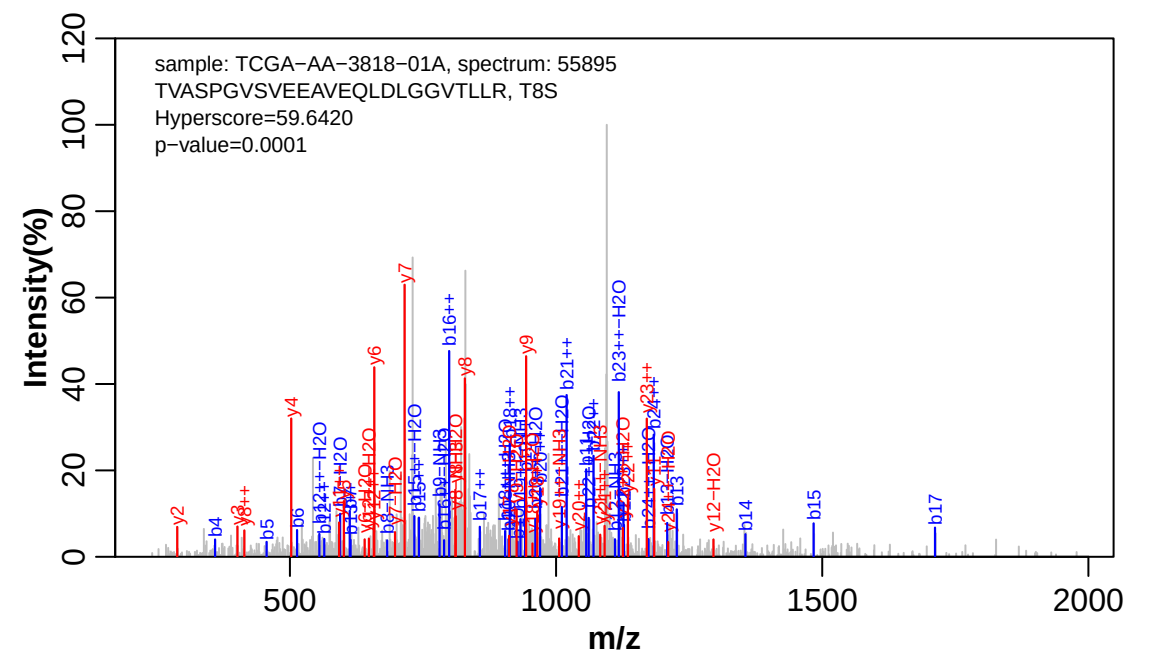

sample: TCGA−AA−3818−01A, spectrum: 133037
SPVGSGAPQAAAPAPAAHVAGNPGGDAAPAATGTAAAASLAAAAGSEDAEKK, T42A
Hyperscore=46.7868
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b7−H2O
b7
b18++
y20++−H2O
b11
b14
y33++
y40++

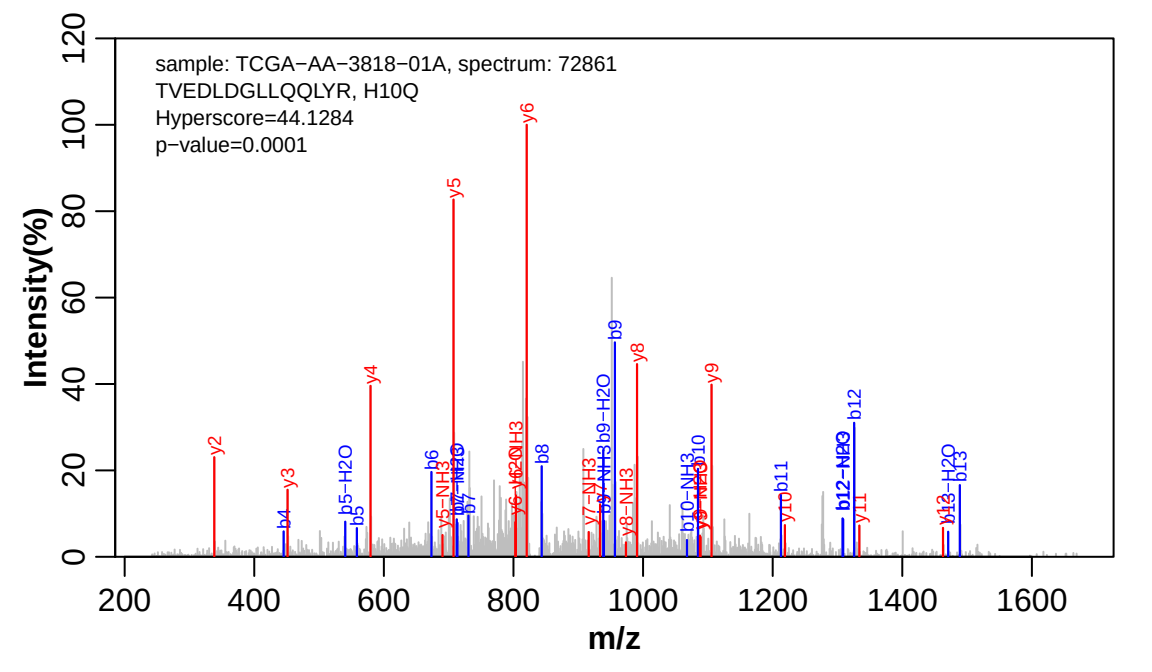

sample: TCGA−AA−3818−01A, spectrum: 60433
SQNKEDYDGLKEEFRK, A8D
Hyperscore=43.2761
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y14++
b14+++
b14+++−H2O
y14+++−H2O
b2+++−NH3
y8+++
b6++
y9+++
b15++
y11++

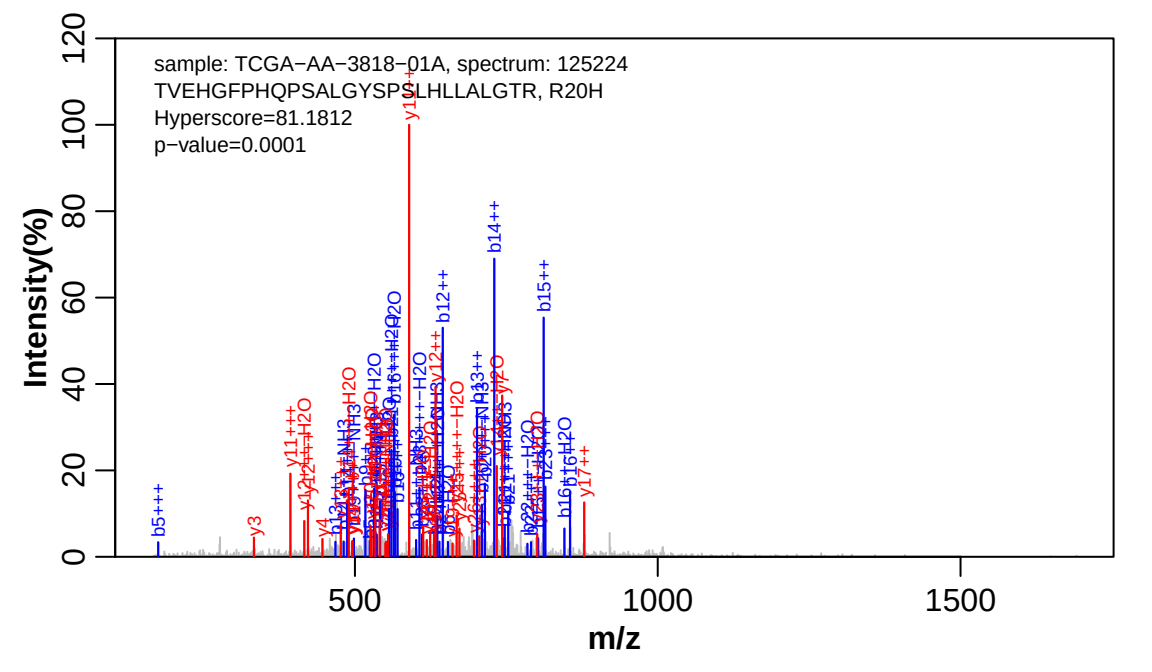

sample: TCGA−AA−3818−01A, spectrum: 49355
STESLQTNVQR, A7T
Hyperscore=29.6148
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
b4−H2O
b4
y3
b5−NH3
b5−H2O
y4
y5−NH3
y5
b6
y6
b7
b8−NH3
b8
y7
b9
b10−NH3
b10

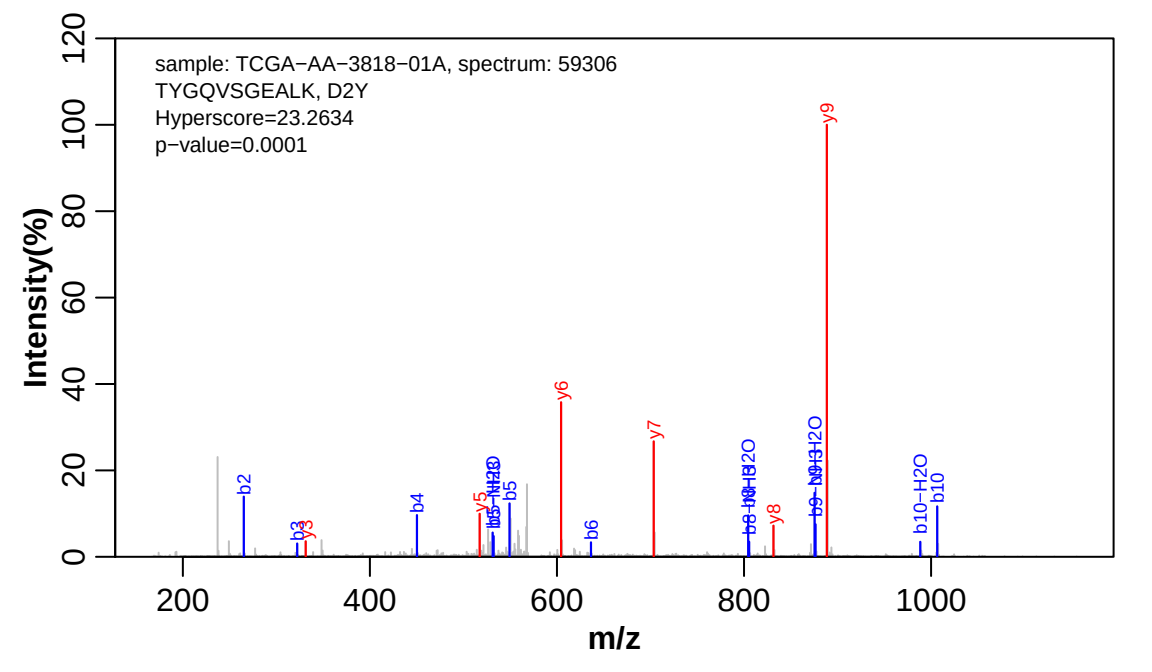

sample: TCGA−AA−3818−01A, spectrum: 123195
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=69.0958
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b14+++−H2O
y9++
b7−H2O
y16+++−NH3
b19+++
b21−b21NH3−H2O
b22+++−H2O
b15−H2O
b26+++−H2O
b26+++−NH3
y26+++−NH3
y25++
y30+++
y18++
b23++
y9
b14
y15

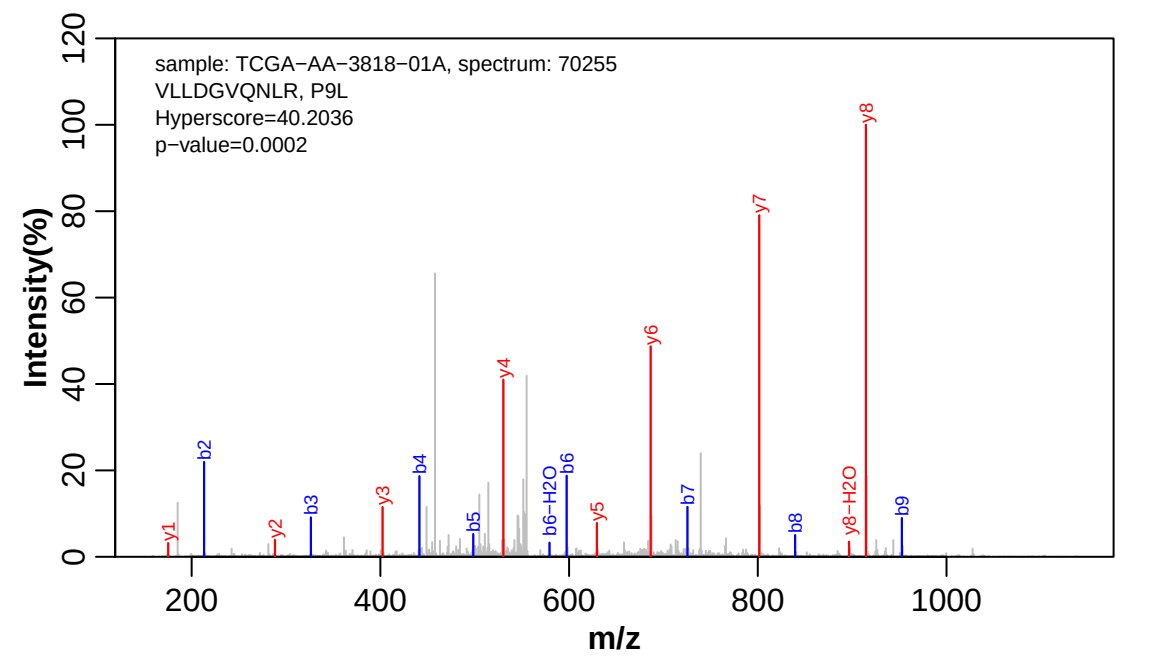

sample: TCGA−AA−3818−01A, spectrum: 70510
TMMNTWTLQR, K10R
Hyperscore=32.2916
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4
y4
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6−H2O
y6
b7−NH3
b7−H2O
b7
y7−NH3
y7−H2O
y7
b8−NH3
b8−H2O
y8−H2O
y8−NH3
y8
b9−NH3
b9−H2O
b9

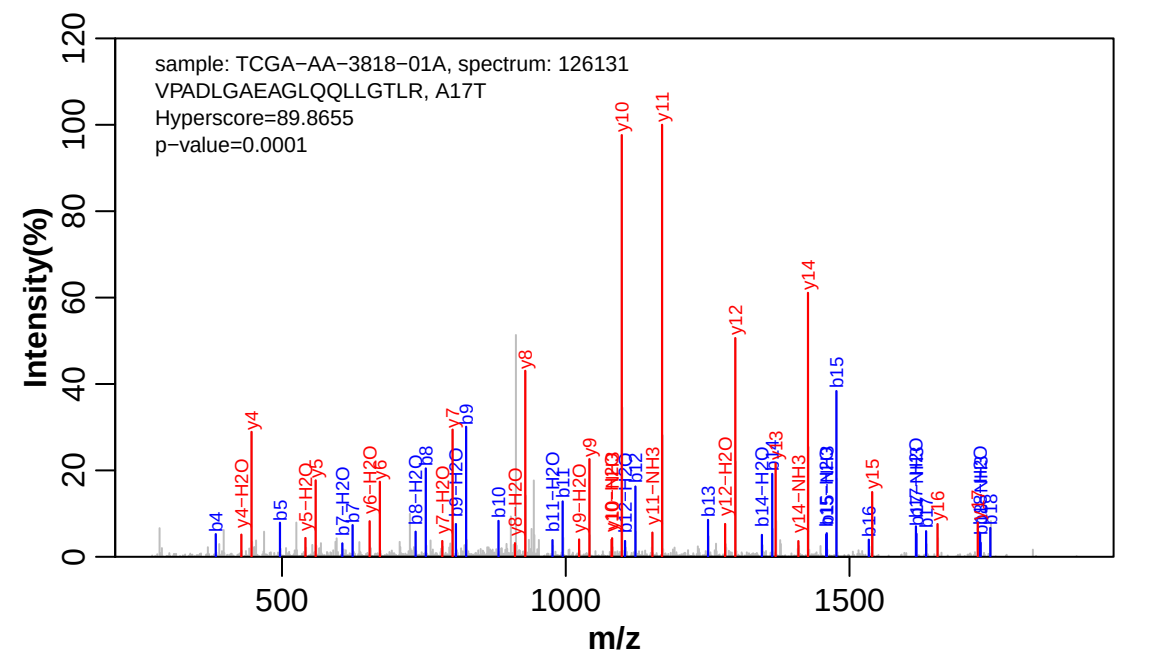

sample: TCGA−AA−3818−01A, spectrum: 55895
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=59.6420
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b4
y3
y3++
b5
y4
b6
b12++−H2O
b12++
b13
y5
y5++
b7−H2O
b7−NH3
y6
y6++
y7−H2O
y7
b15++−H2O
b15++
b16++
b17++
y8
y8++
y9
b21++
b23++−H2O
y12−H2O
b14
b15
b17

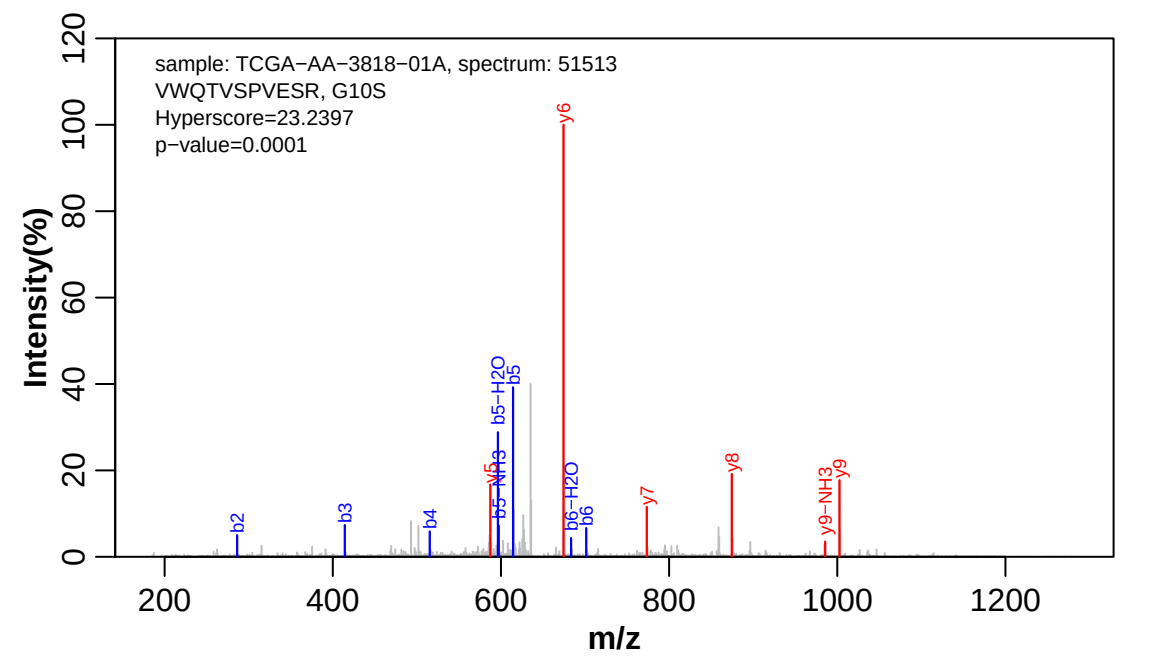

sample: TCGA−AA−3818−01A, spectrum: 72861
TVEDLDGLLQQLYR, H10Q
Hyperscore=44.1284
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4
y5
y6
y8
y9
y10
y11
y12
b4
b5
b5−H2O
b6
b8
b9
b9−H2O
b10
b12
b13
b13−H2O
y5−NH3
y7−NH3
y8−NH3
b10−NH3
b12−NH3

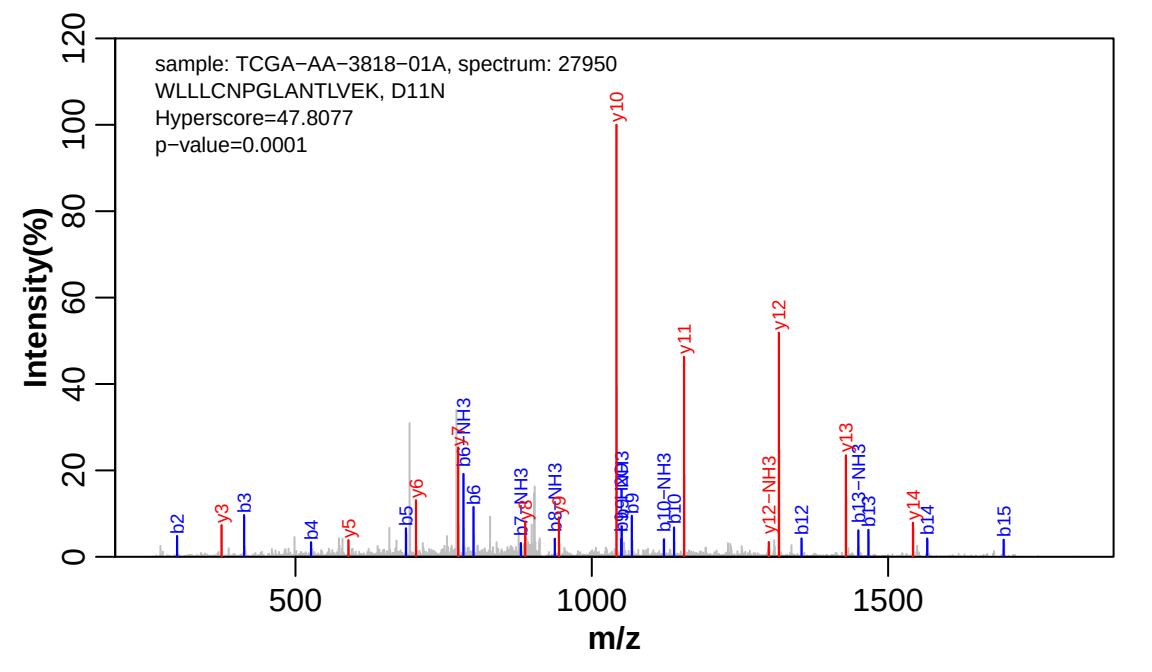

sample: TCGA−AA−3818−01A, spectrum: 125224
TVEHGFPHQPSALGYSPSLHLLALGTR, R20H
Hyperscore=81.1812
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y10++
b14++
b15++
b12++
y11+++
y12+++−H2O
y17++
b5+++
y3

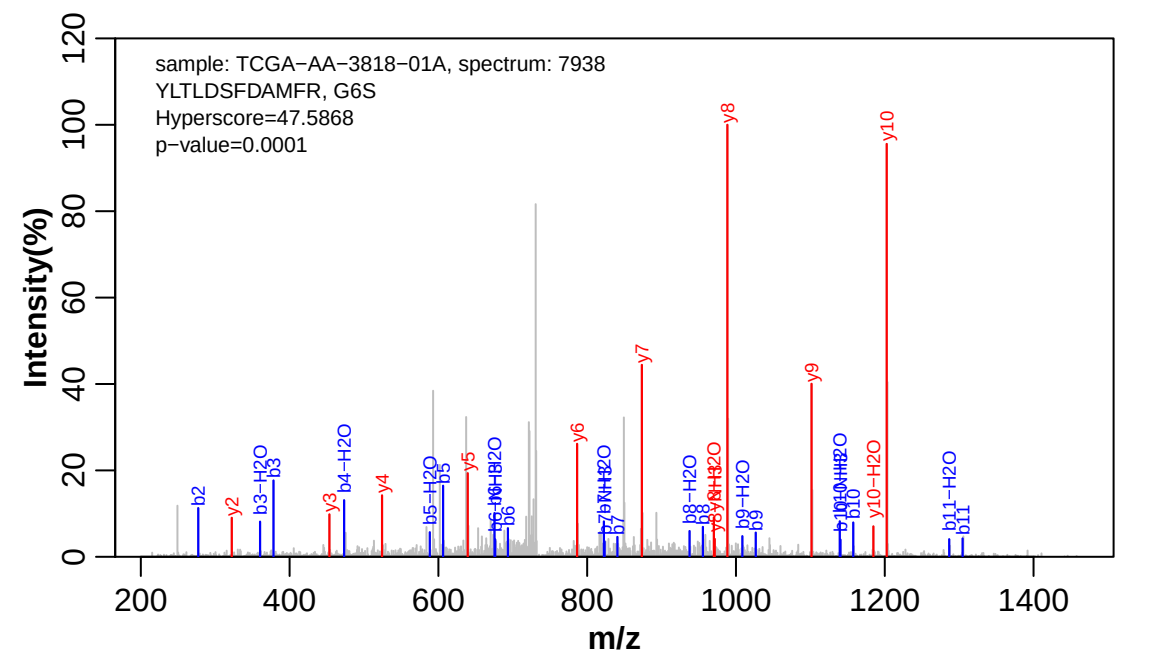

sample: TCGA−AA−3818−01A, spectrum: 59306
TYGQVSGEALK, D2Y
Hyperscore=23.2634
p−value=0.0001
Intensity(%)
m/z
y9
y6
y7
y8
y5
b2
b3
y3
b4
b5
b6
b10−H2O
b10

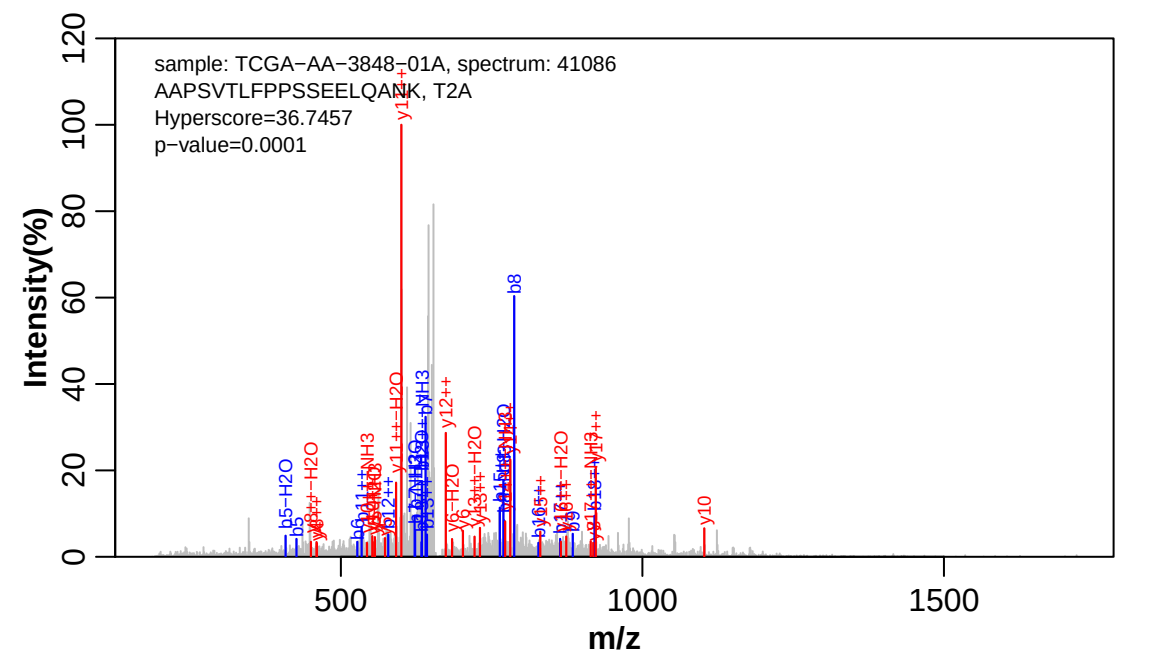

sample: TCGA−AA−3818−01A, spectrum: 70255
VLLDGVQNLR, P9L
Hyperscore=40.2036
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3
b4
b5
y4
b6−H2O
b6
y5
y6
b7
b8
y7
y8−H2O
y8
b9

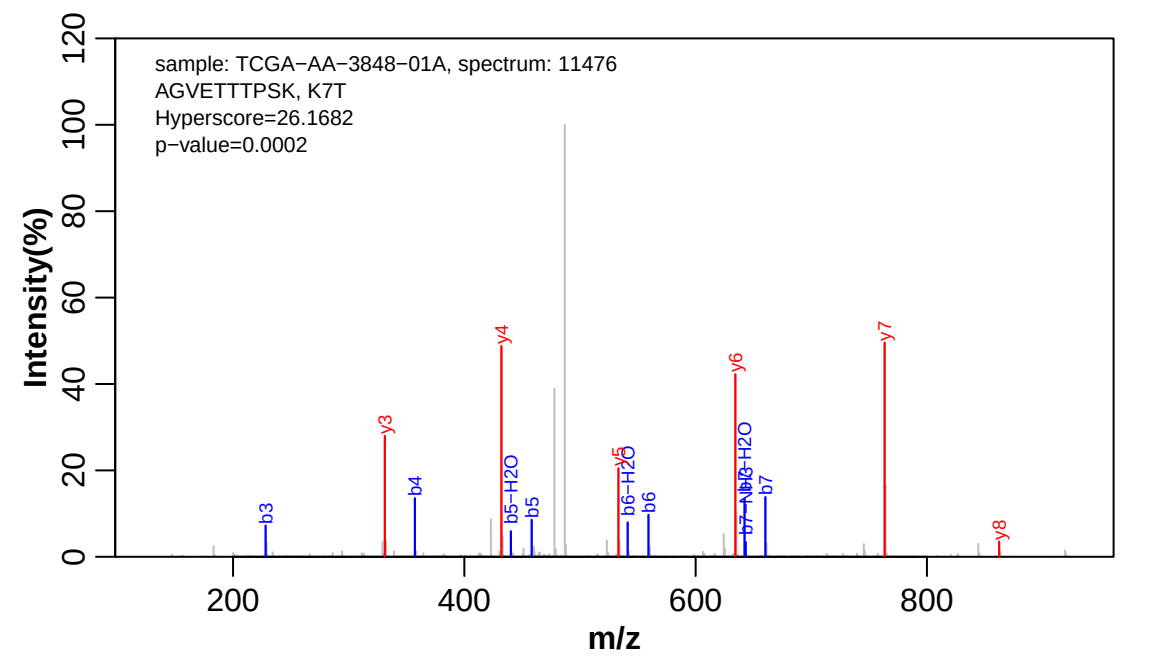

sample: TCGA−AA−3818−01A, spectrum: 126131
VPADLGAEAGLQQLLGTLR, A17T
Hyperscore=89.8655
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y4
y4−H2O
b5
y5−H2O
y5
b7
b7−H2O
y6
y6−H2O
b8
b8−H2O
y7
y7−H2O
b9
b9−H2O
b10
y8
y8−H2O
b11
b11−H2O
y9
y9−H2O
y10
y10−NH3
b12
b12−H2O
y11
y11−NH3
b13
y12
y12−H2O
b14
b14−H2O
y13
y14
y14−NH3
b15
b15−NH3
y15
b16
b17
b17−NH3
y16
b18
b18−NH3

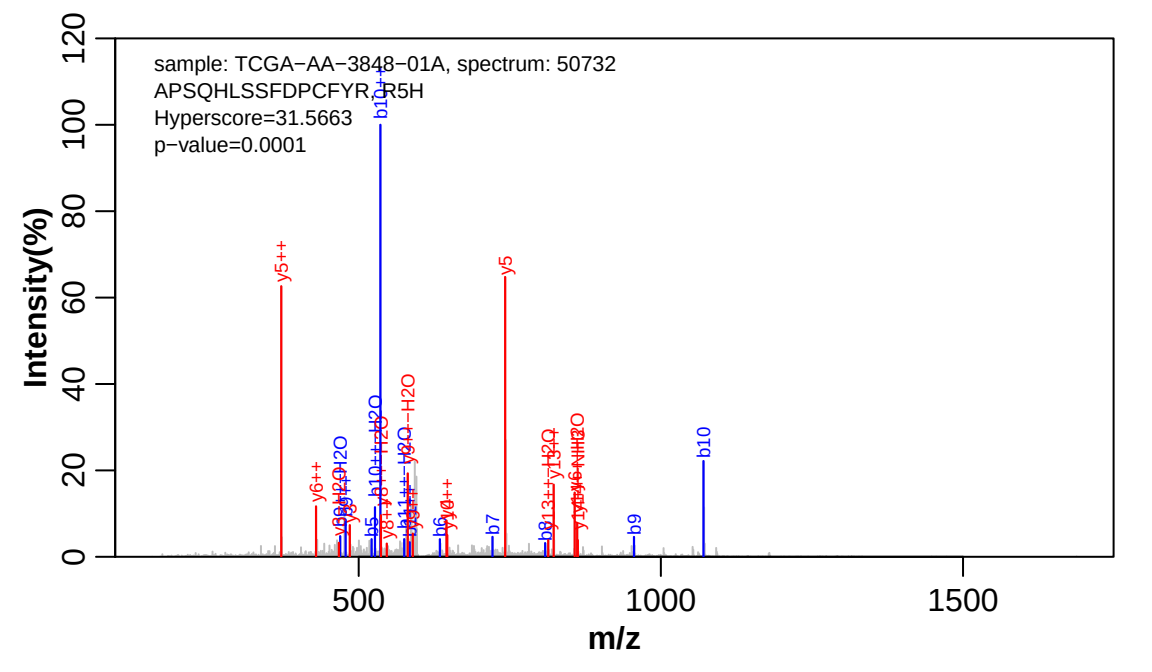

sample: TCGA−AA−3818−01A, spectrum: 51513
VWQTVSPVESR, G10S
Hyperscore=23.2397
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
b5−H2O
b5
y5
b5−NH3
b6−H2O
b6
y7
y8
y9−NH3
y9
b2
b3
b4

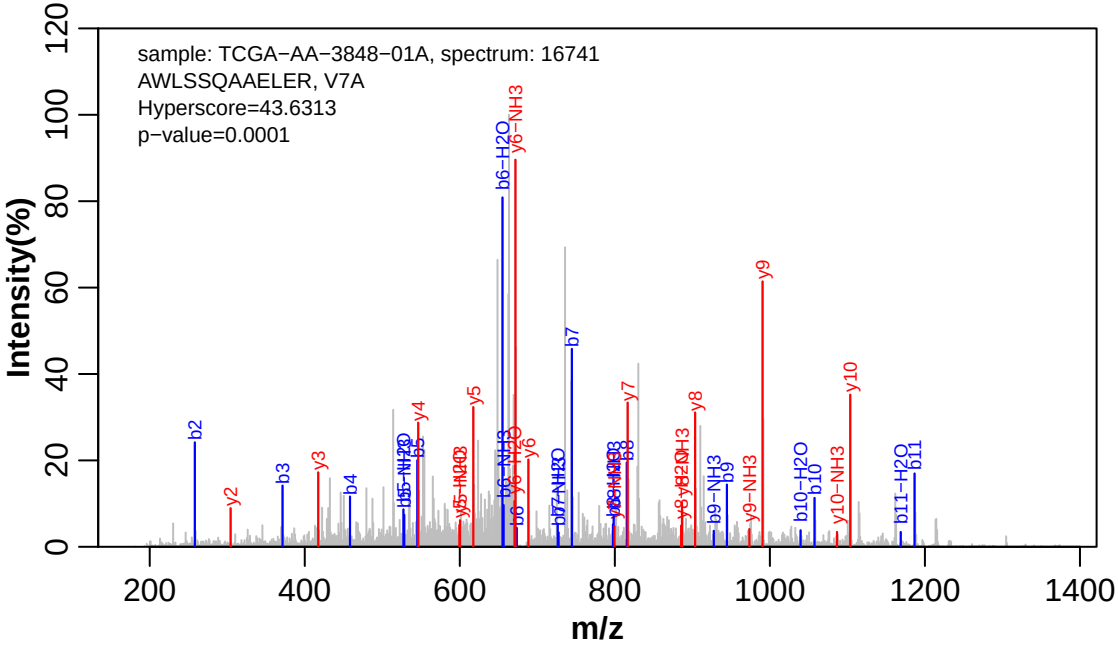

sample: TCGA−AA−3818−01A, spectrum: 27950
WLLLCNPGLANTLVEK, D11N
Hyperscore=47.8077
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3
b4
y5
y6
b5
b6
b6−NH3
b7
b7−NH3
b8−NH3
y10
y11
y12
y12−NH3
b10−NH3
b12
y13
b13−NH3
y14
b14
b15

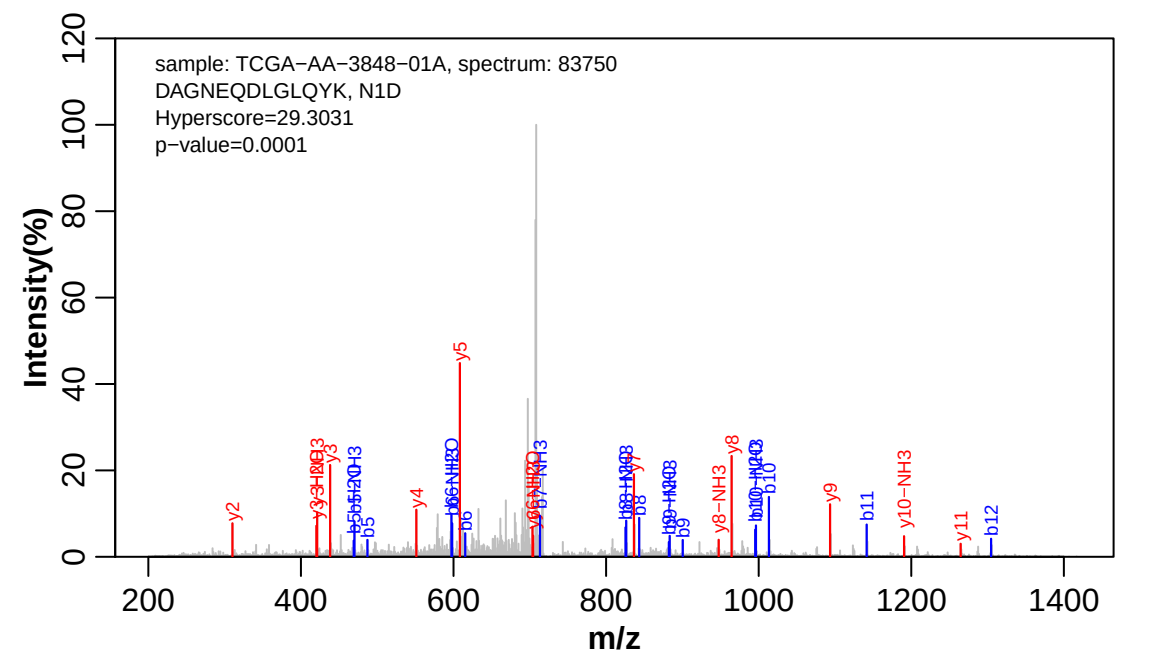

sample: TCGA−AA−3818−01A, spectrum: 7938
YLTLDSFDAMFR, G6S
Hyperscore=47.5868
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3−H2O
b3
y3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−H2O
b8
b9−H2O
b9
y9
b10−H2O
b10
y10
y10−H2O
b11−H2O
b11
y8

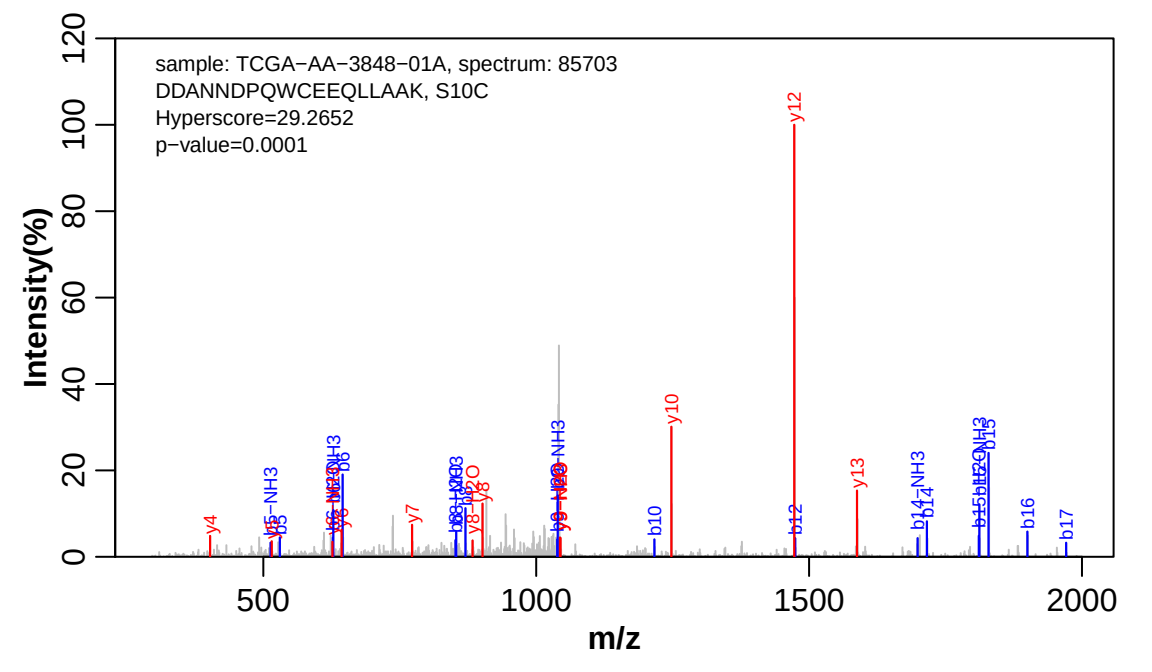

sample: TCGA−AA−3848−01A, spectrum: 41086
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=36.7457
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5−H2O
b5
y11++−H2O
y11++−NH3
y12++
y11++−H2O
y11++
y12++−NH3
y12++−H2O
y12++
y6−H2O
y6
y13++−H2O
b8
y12++
y10

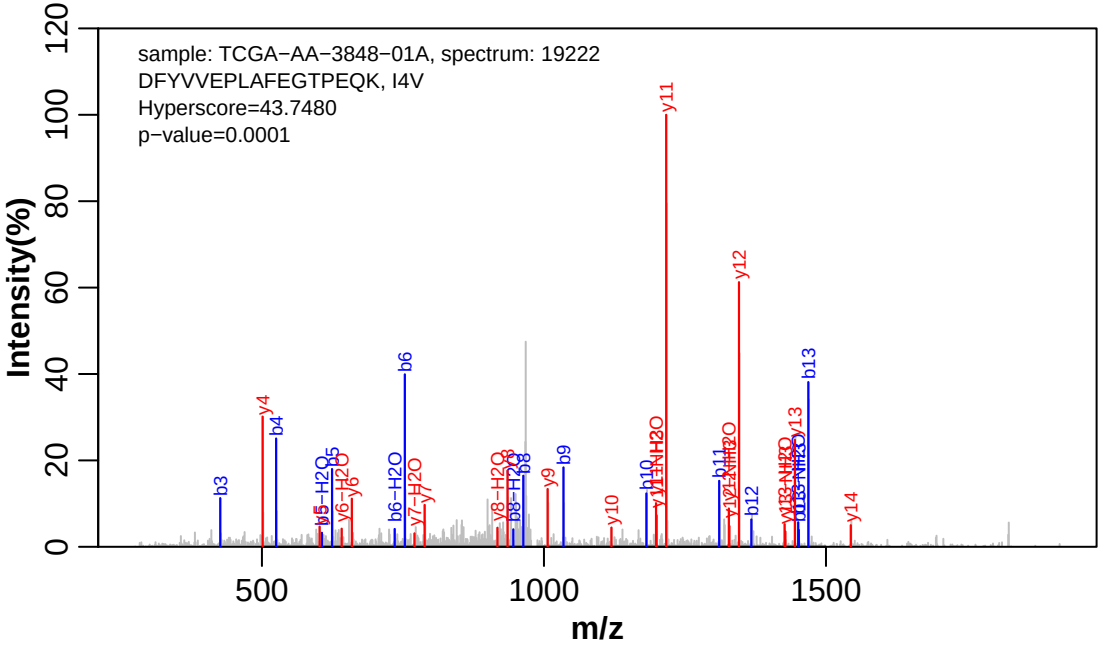

sample: TCGA−AA−3848−01A, spectrum: 11476
AGVETTTPSK, K7T
Hyperscore=26.1682
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3−H2O
b7
y7
y8

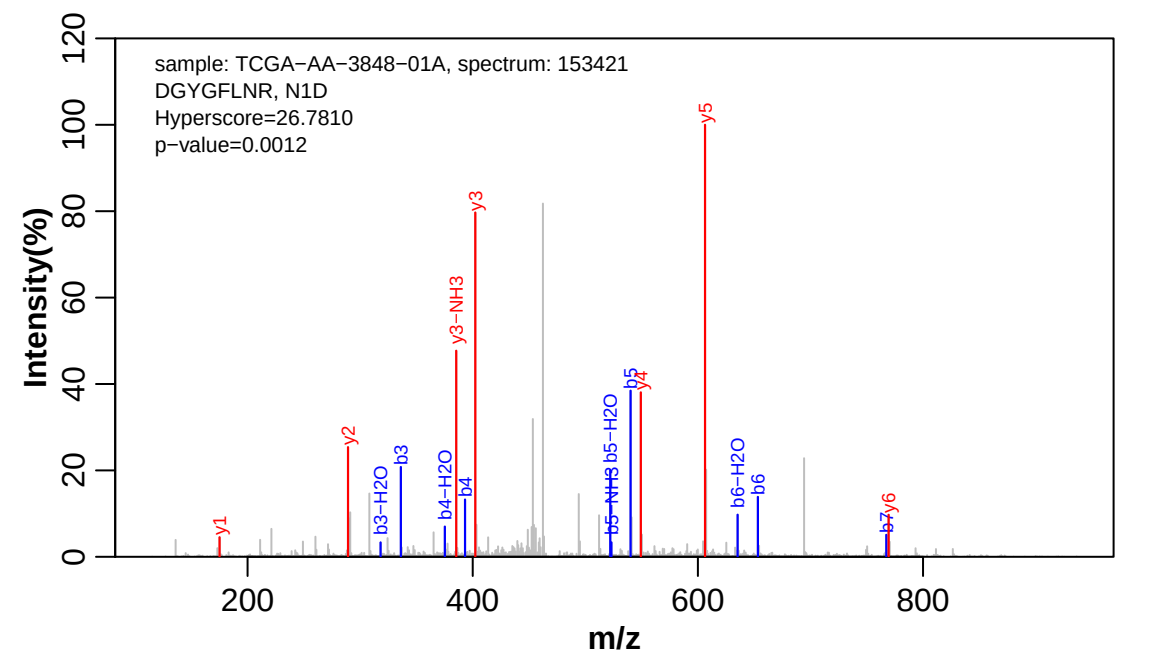

sample: TCGA−AA−3848−01A, spectrum: 50732
APSQHLSSFDPCFYR,5R5H
Hyperscore=31.5663
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5++
b10++
y5
y6++
b10
b7
b9

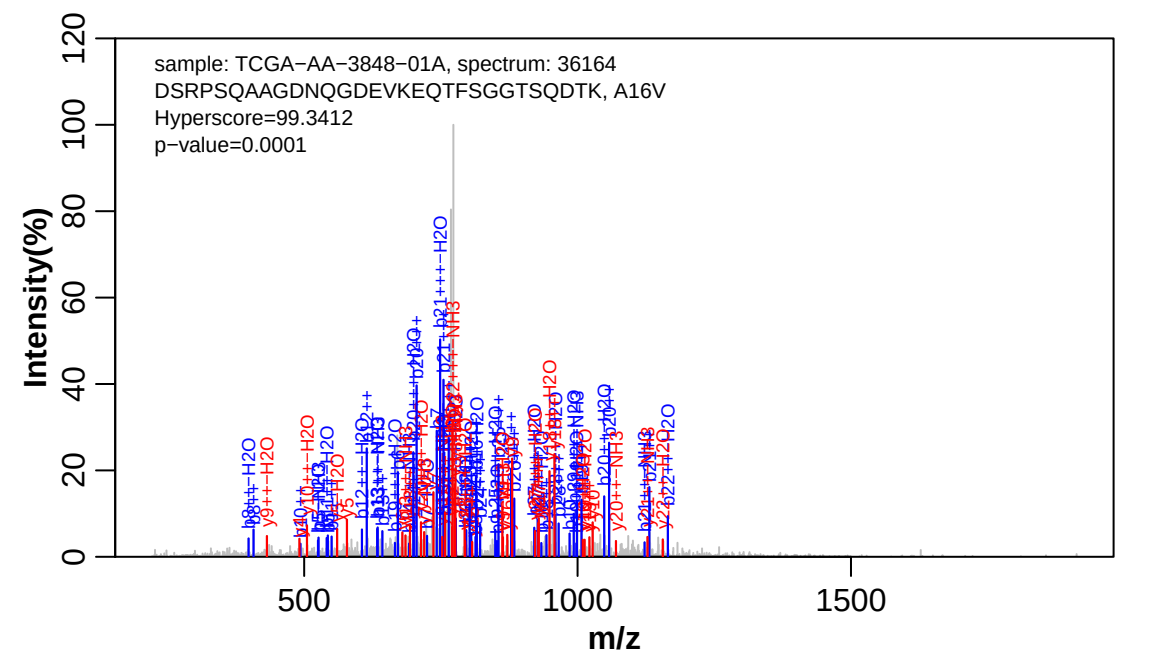

sample: TCGA−AA−3848−01A, spectrum: 16741
AWLSSQAAELER, V7A
Hyperscore=43.6313
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
y4
b5
y5
b6−H2O
y6−NH3
b6
y6
b7
y7
b8
y8
y9
b9−NH3
b9
y9−NH3
b10−H2O
b10
y10−NH3
y10
b11−H2O
b11

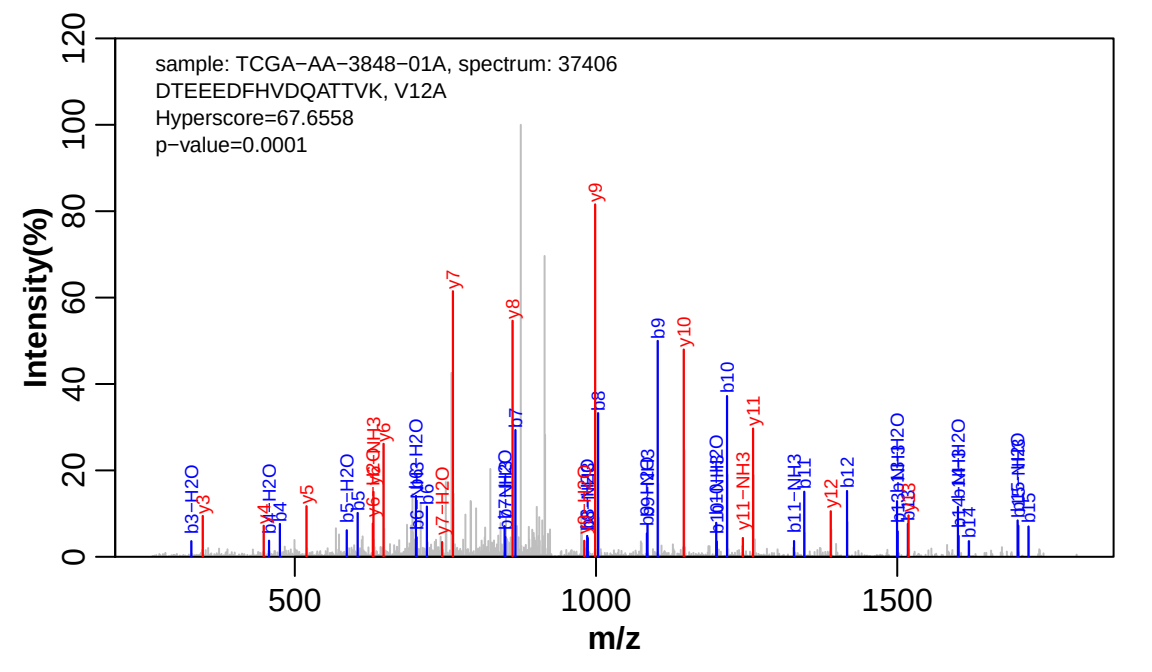

sample: TCGA−AA−3848−01A, spectrum: 83750
DAGNEQDLGLQYK, N1D
Hyperscore=29.3031
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
y4
y5
b5
b6
b8
y7
y8
y8−NH3
b10
y9
b11
y10−NH3
y11
b12

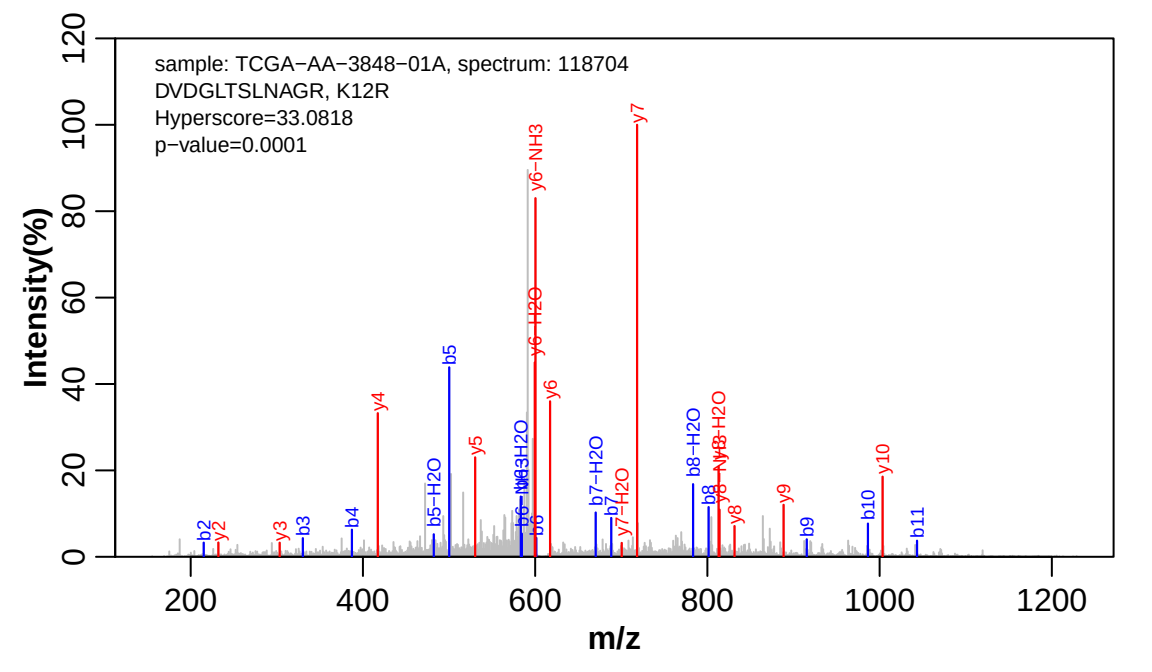

sample: TCGA−AA−3848−01A, spectrum: 85703
DDANNDPQWCEEQLLAAK, S10C
Hyperscore=29.2652
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
y10
y13
y7
y4
b10
b12
b14
b16
b17

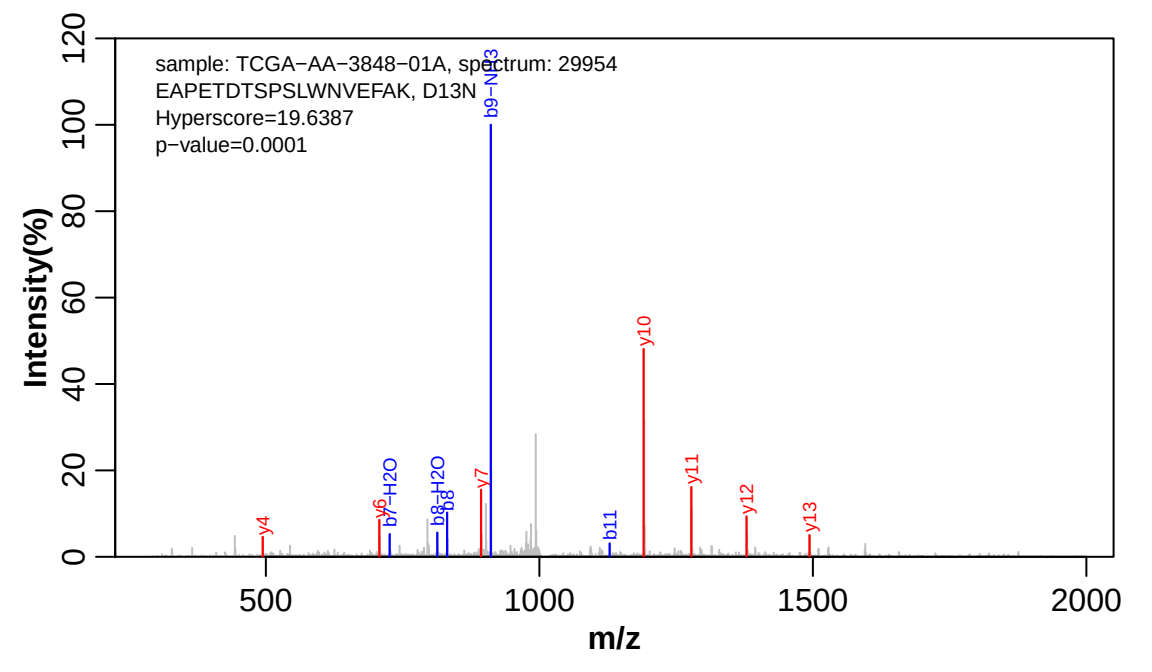

sample: TCGA−AA−3848−01A, spectrum: 19222
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=43.7480
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
b5−H2O
y5
y6
y6−H2O
b6
b6−H2O
y7
y7−H2O
y8
y8−H2O
b8
b8−H2O
y9
b9
y10
b10
y11−NH3
y11−H2O
y11
b11
y12−NH3
y12−H2O
y12
b12
b13
y13−NH3
y13−H2O
y13
y14

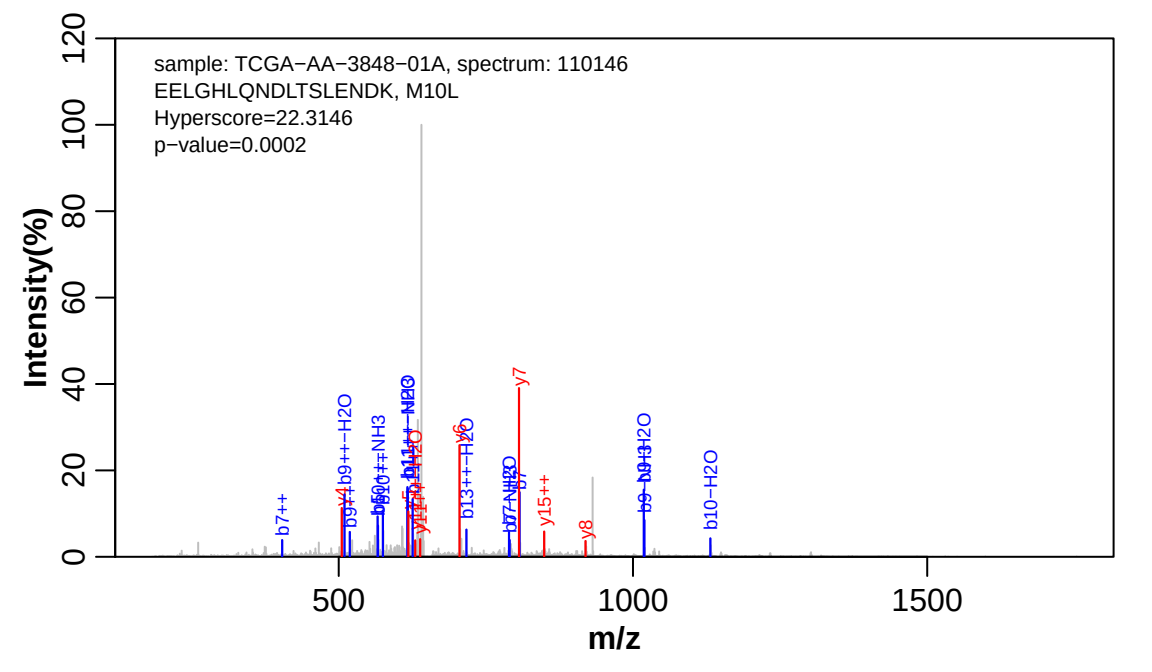

sample: TCGA−AA−3848−01A, spectrum: 153421
DGYGFLNR, N1D
Hyperscore=26.7810
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
y3
b4
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

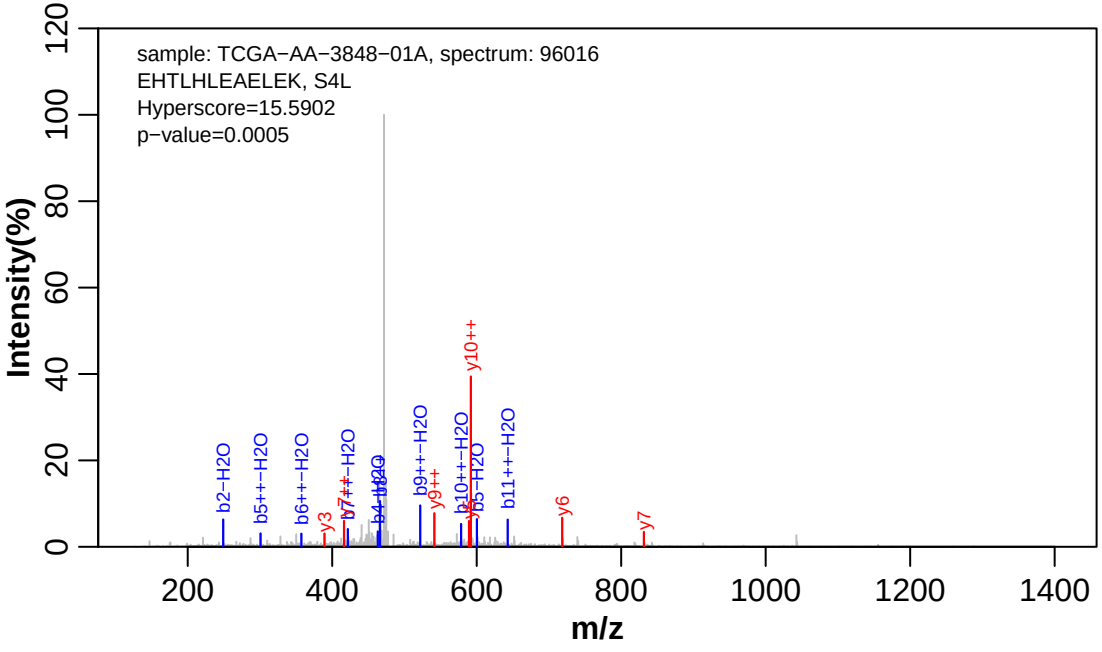

sample: TCGA−AA−3848−01A, spectrum: 36164
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=99.3412
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

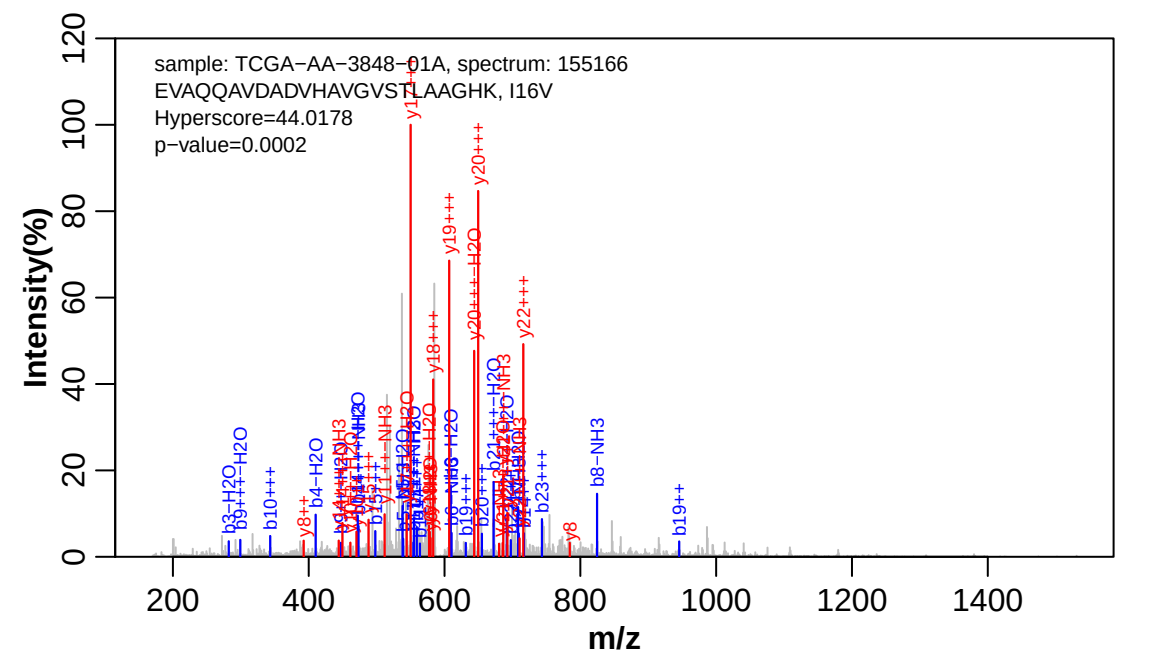

sample: TCGA−AA−3848−01A, spectrum: 37406
DTEEEDFHVDQATTVK, V12A
Hyperscore=67.6558
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y3
b4−H2O
b4
y5
b5−H2O
b5
y6−H2O
y6
y6−NH3
b6−NH3
b6−H2O
b6
y7−H2O
y7
b7−NH3
b7−H2O
b7
y8
b8
y9
b9
y10
b10
y11
y11−NH3
b11−NH3
b11
y12
b12
b13
b14
b15

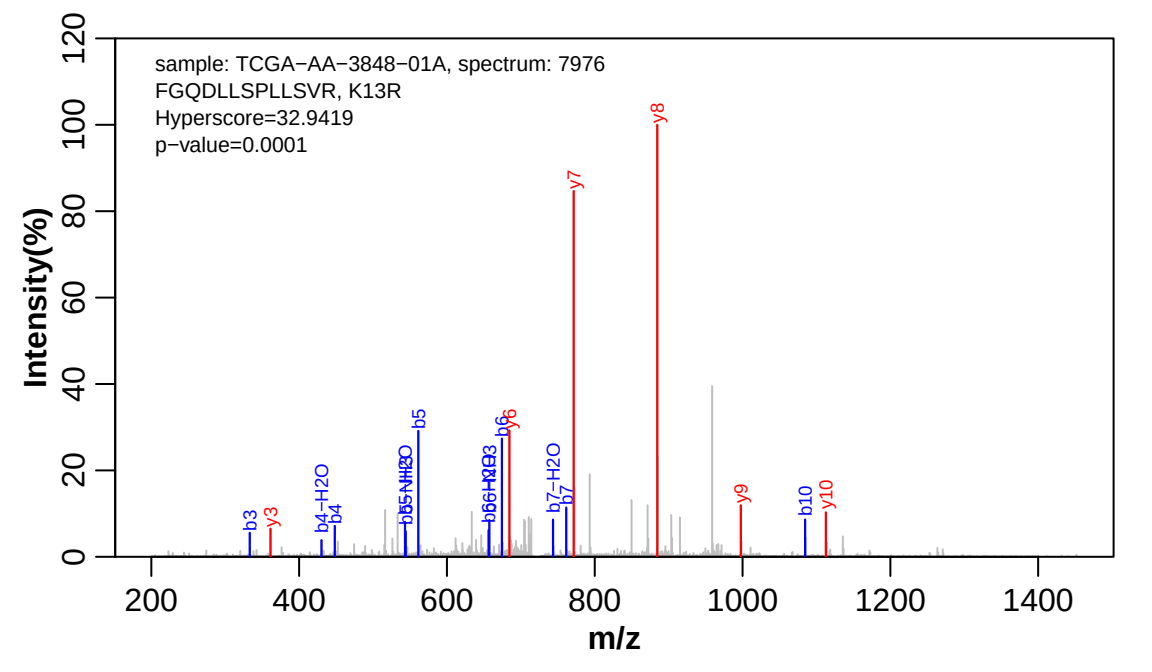

sample: TCGA−AA−3848−01A, spectrum: 118704
DVDGLTSLNAGR, K12R
Hyperscore=33.0818
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b3
b4
y4
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6−NH3
y6−H2O
y6
b7−H2O
b7
y7−H2O
y7
b8−H2O
b8
y8−NH3
y8−H2O
y8
y9
b9
b10
y10
b11

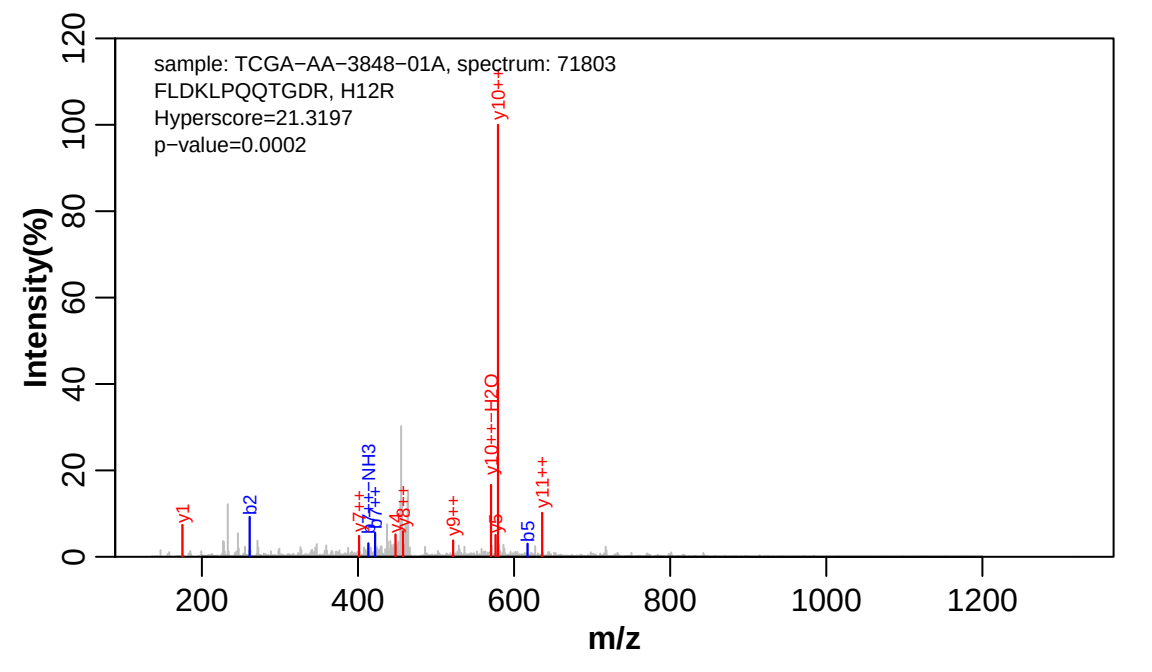

sample: TCGA−AA−3848−01A, spectrum: 29954
EAPETDTSPSLWNVEFAK, D13N
Hyperscore=19.6387
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9−NH3
y10
y11
y12
y13
y7
y6
y4
b7−H2O
b8−H2O
b8
b11

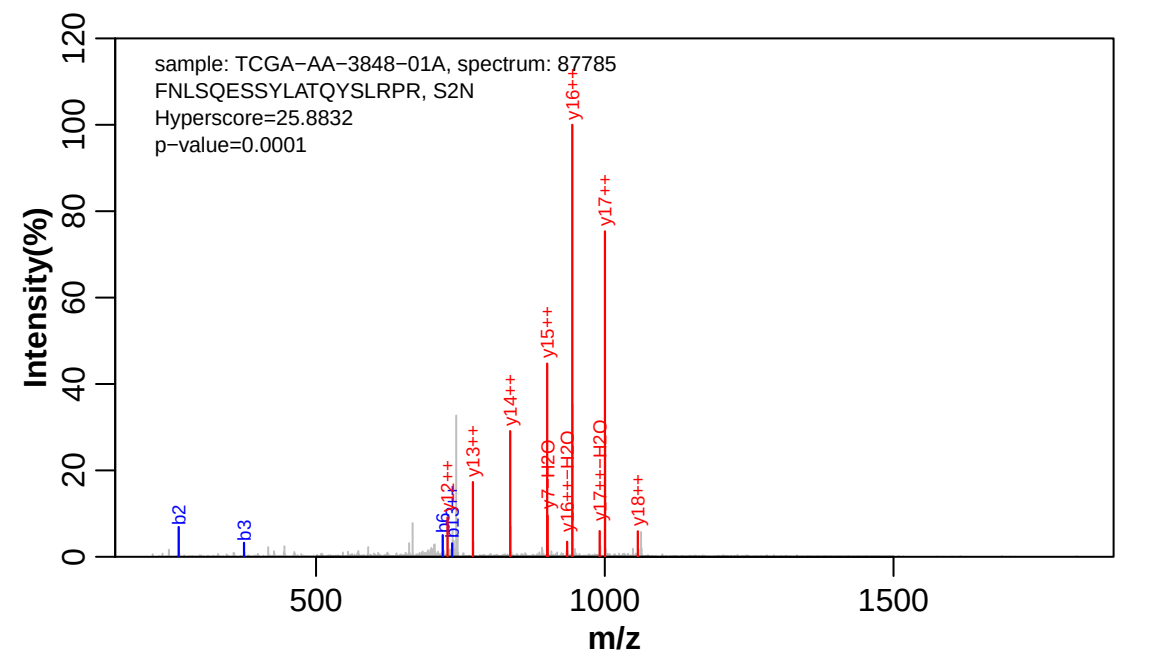

sample: TCGA−AA−3848−01A, spectrum: 110146
EELGHLQNDLTSLENDK, M10L
Hyperscore=22.3146
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b7++
b9++−H2O
b9++
b9++−NH3
y7
b13++−H2O
y15++
y8
b9−NH3
b9−H2O
b10−H2O

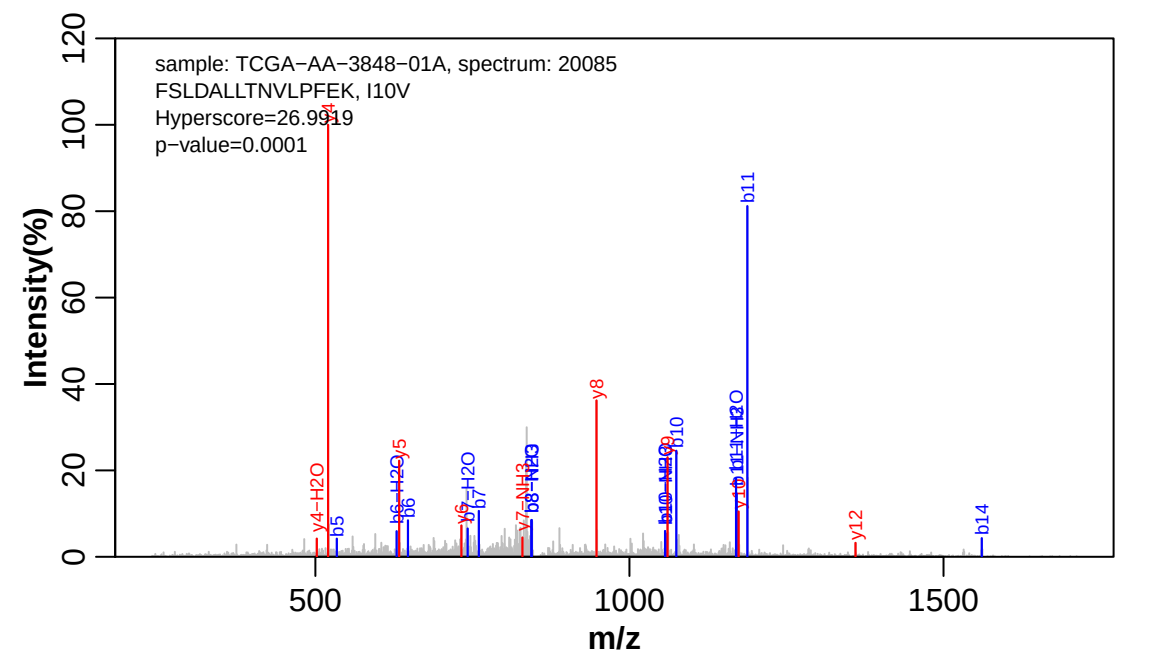

sample: TCGA−AA−3848−01A, spectrum: 96016
EHTLHLEAELEK, S4L
Hyperscore=15.5902
p−value=0.0005
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b5++−H2O
b6++−H2O
y3
b7++−H2O
b9++−H2O
y9++
y10++
b10++−H2O
b5−H2O
b11++−H2O
y6
y7

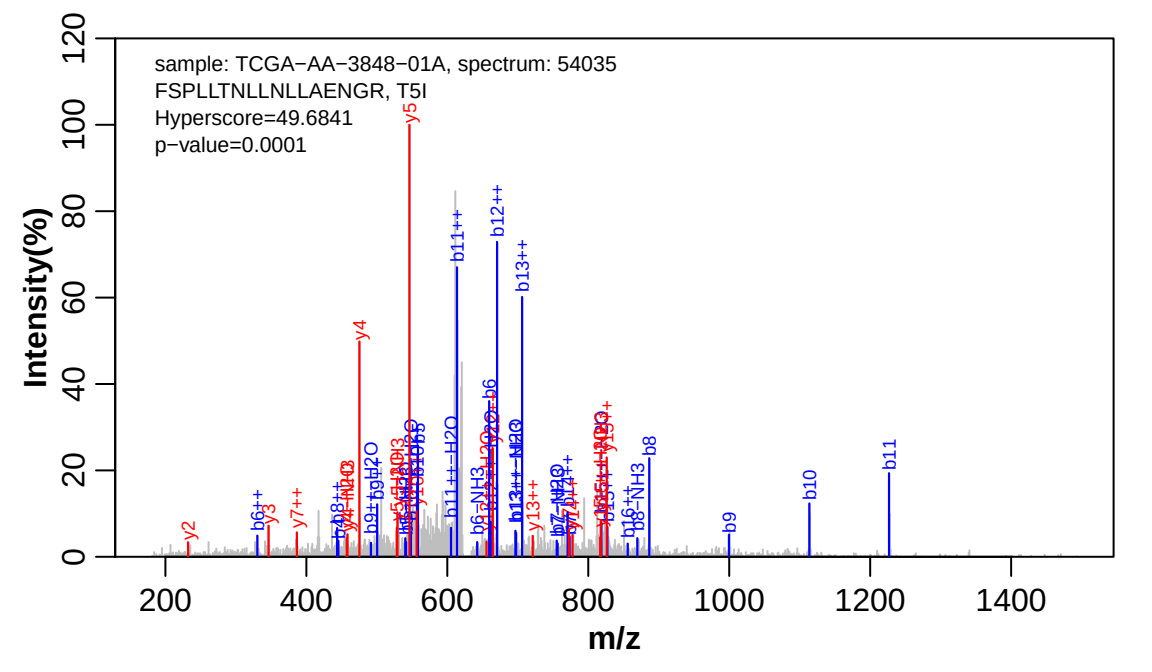

sample: TCGA−AA−3848−01A, spectrum: 155166
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=44.0178
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y17++
y20+++
y19+++
y20+++−H2O
y18+++
y22+++
b3−H2O
b9+++−H2O
b10+++
y8++
b4−H2O
b8−NH3
b19++
b23+++
y8

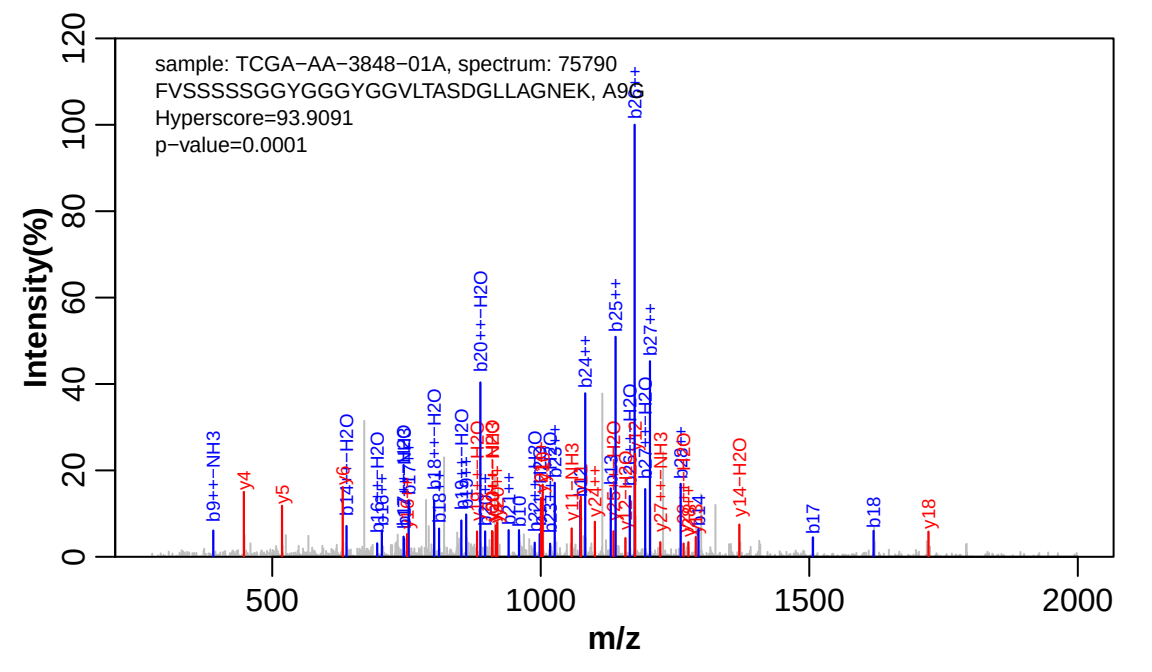

sample: TCGA−AA−3848−01A, spectrum: 7976
FGQDLLSPLLSVR, K13R
Hyperscore=32.9419
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5
y6
b6
b7−H2O
b7
y7
y8
y9
b10
y10

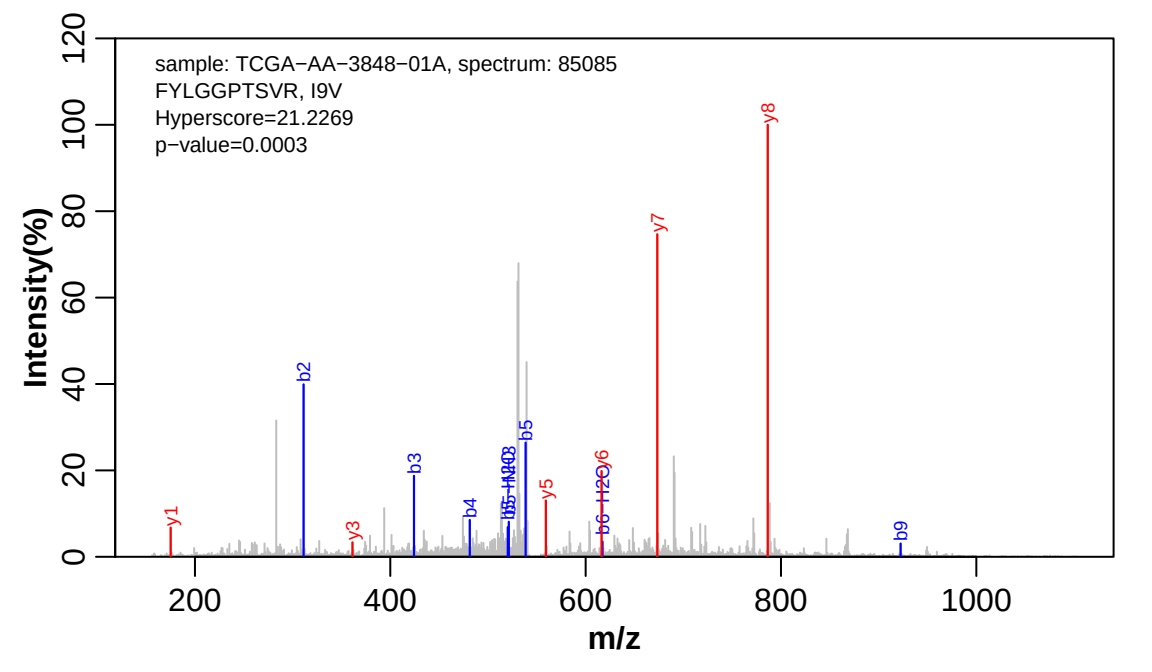

sample: TCGA−AA−3848−01A, spectrum: 71803
FLDKLPQQTGDR, H12R
Hyperscore=21.3197
p−value=0.0002
Intensity(%)
m/z
y1
b2
y7++
b7++−NH3
y8++
y9++
y10++
y10++−H2O
y6
b5
y11++
0
20
40
60
80
100
120
200
400
600
800
1000
1200

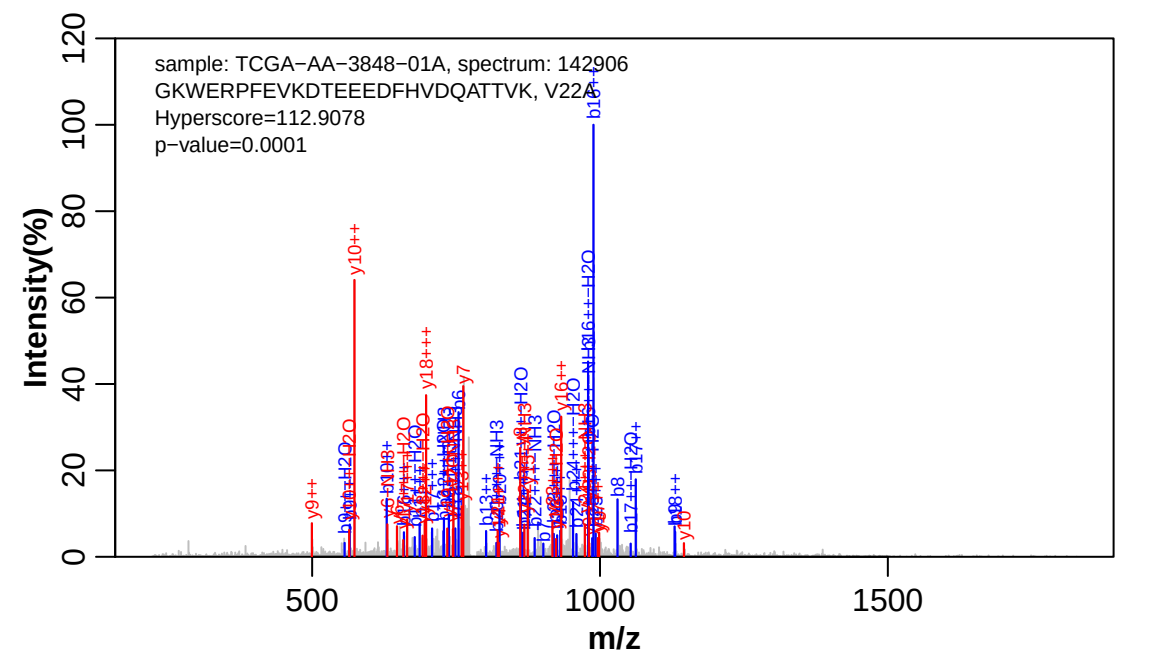

sample: TCGA−AA−3848−01A, spectrum: 87785
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=25.8832
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b6
b12++
b13++
y13++
y14++
y7−H2O
y15++
y16++−H2O
y16++
y17++−H2O
y17++
y18++

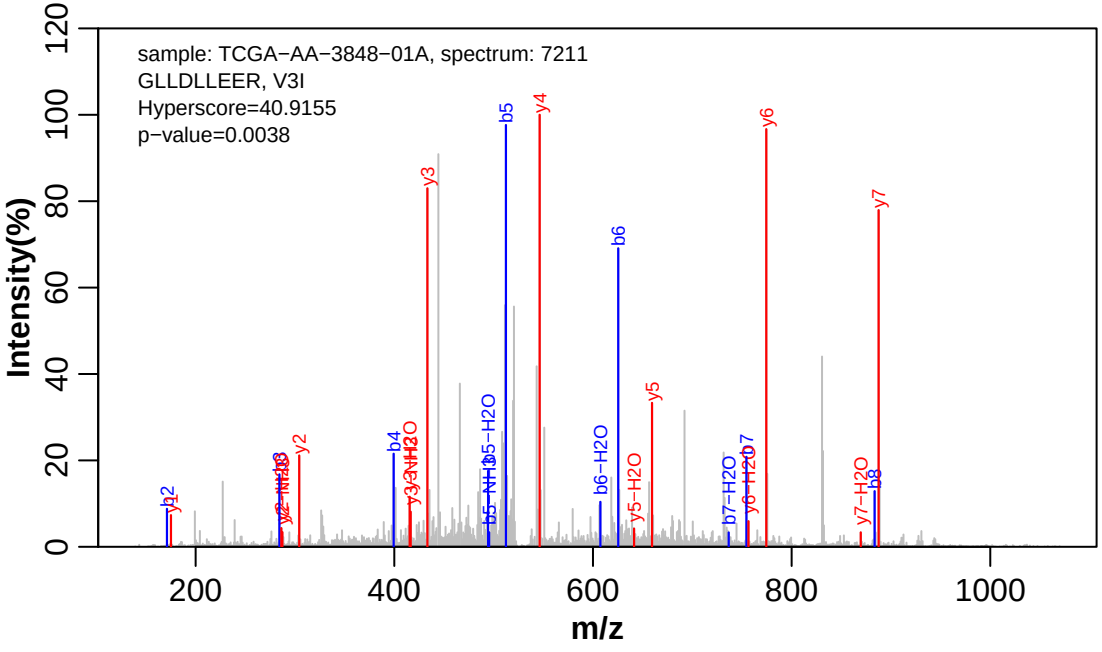

sample: TCGA−AA−3848−01A, spectrum: 20085
FSLDALLTNVLPFEK, I10V
Hyperscore=26.9919
p−value=0.0001
Intensity(%)
m/z
y4
y4−H2O
b5
b6−H2O
y5
b6
y6
b7−H2O
b7
y7−NH3
b8−NH3
y8
b10
b11
y12
b14

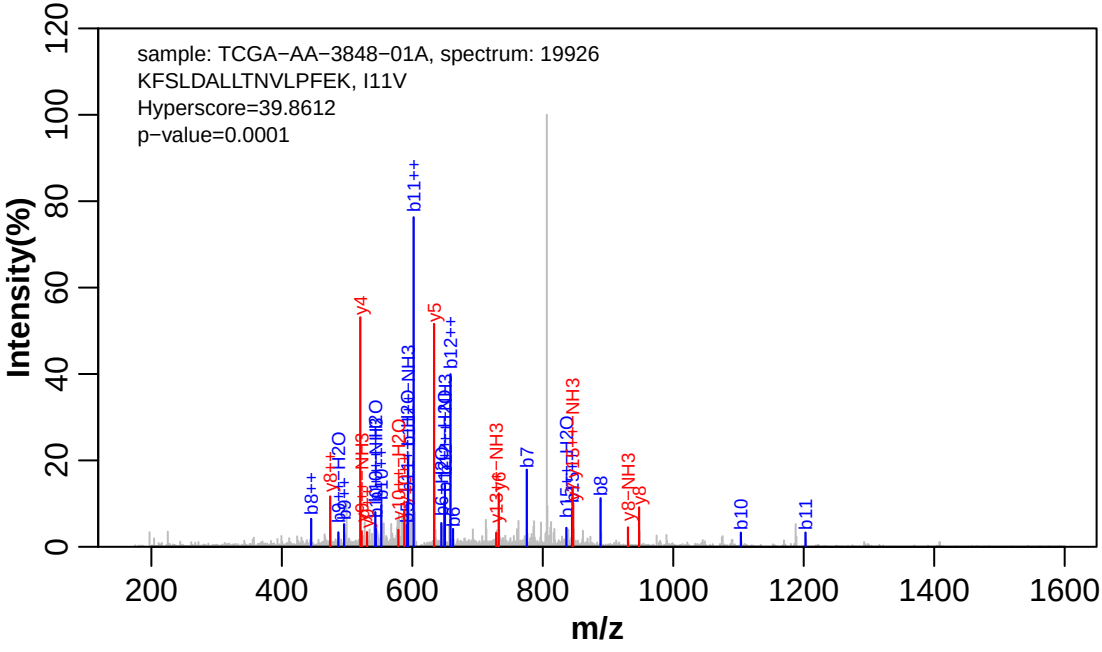

sample: TCGA−AA−3848−01A, spectrum: 54035
FSPLLTNLLNLLAENGR, T5I
Hyperscore=49.6841
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y4
y2
y3
y7++
b6++
b11++
b12++
b13++
b11
b10
b9
b8
b8−NH3
b6−NH3
b6−H2O
b11++−H2O
y13++
y3++
b16++

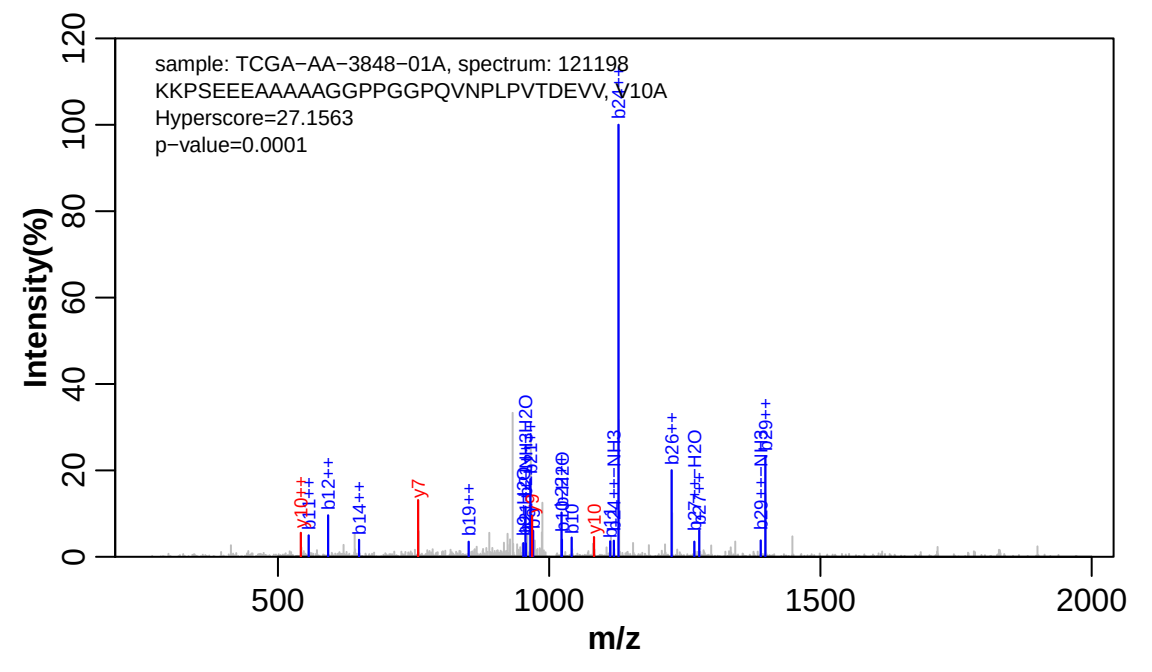

sample: TCGA−AA−3848−01A, spectrum: 75790
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=93.9091
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
b14++−H2O
y6−H2O
b16++−H2O
b18++−H2O
b20++−H2O
b21++
b24++
b25++
b27++
y11−NH3
y24++
y14−H2O
b17
b18
y18

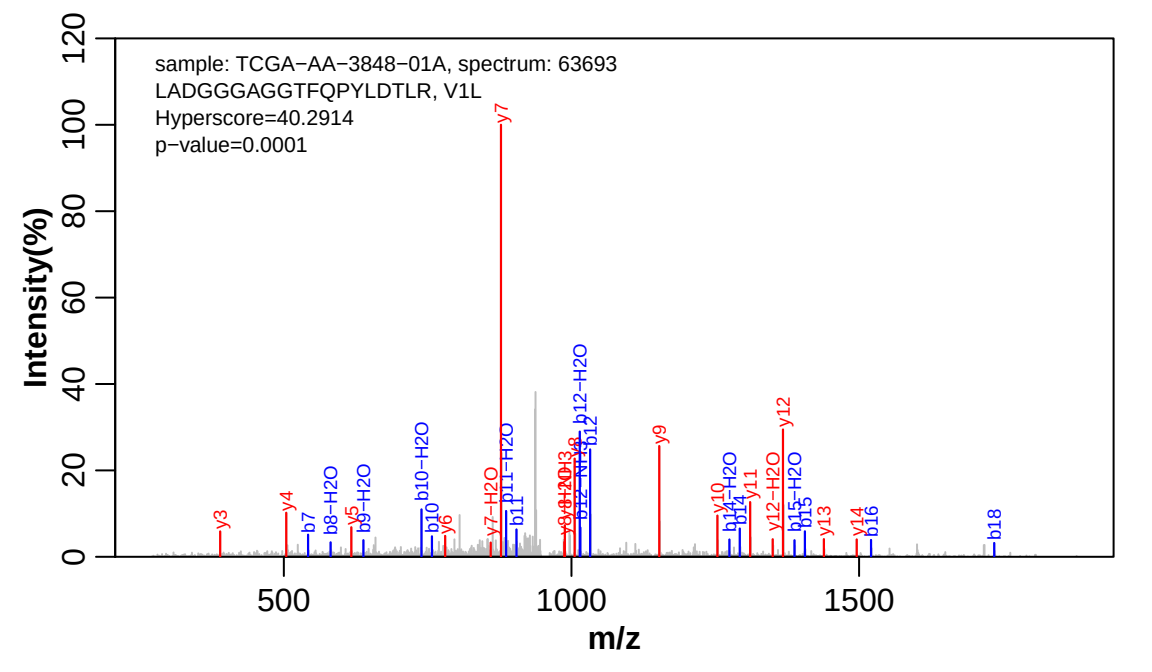

sample: TCGA−AA−3848−01A, spectrum: 85085
FYLGGPTSVR, I9V
Hyperscore=21.2269
p−value=0.0003
Intensity(%)
m/z
y1
b2
y3
b3
b4
b5
y5
b6−H2O
y6
y7
y8
b9

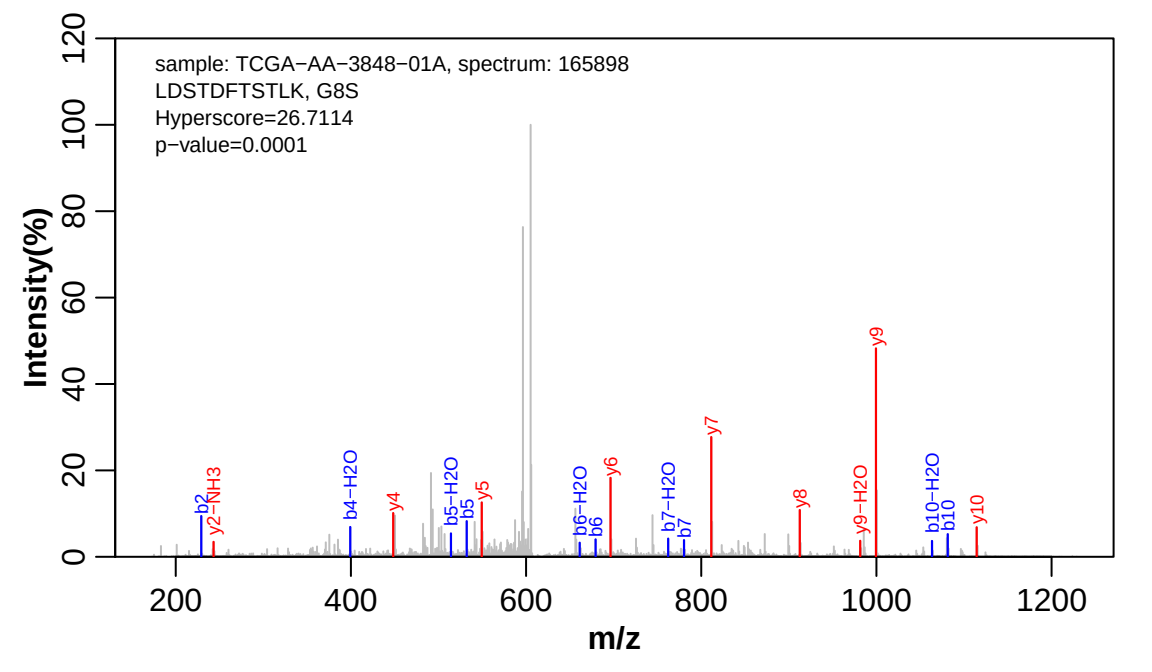

sample: TCGA−AA−3848−01A, spectrum: 142906
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=112.9078
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y10++
y18+++
y7
y9++
b13++
b8
b17++
y10+++
b18++

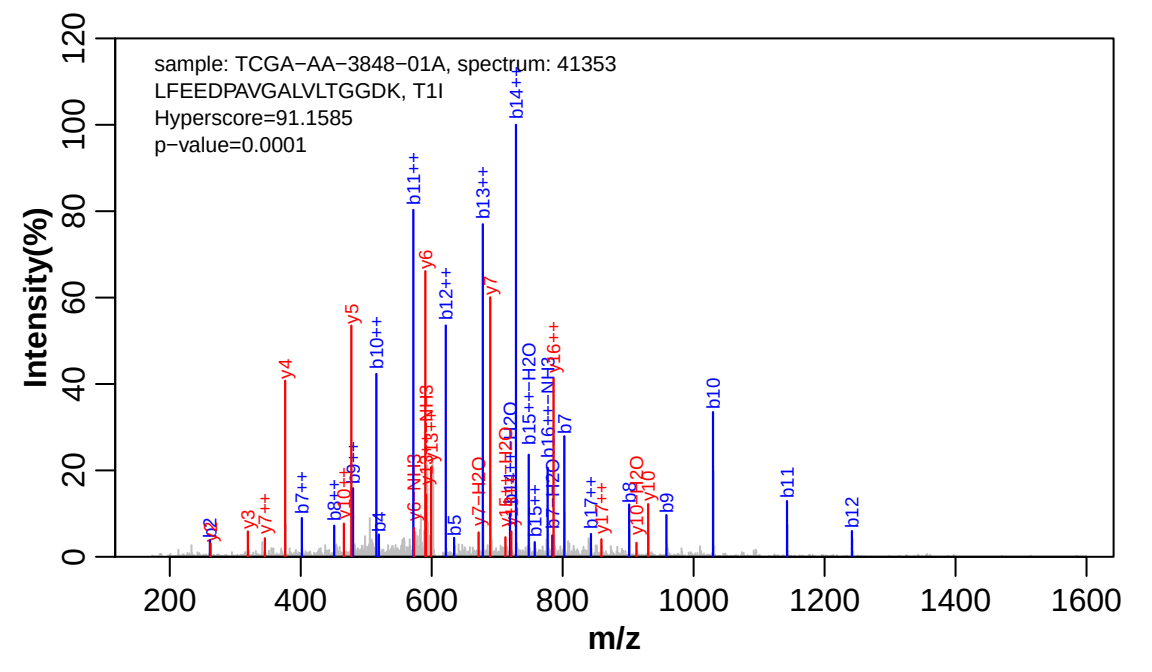

sample: TCGA−AA−3848−01A, spectrum: 7211
GLLDLLEER, V3I
Hyperscore=40.9155
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b5
y4
y6
y3
y7
b6
y5
b4
y2
y1
b2
b8

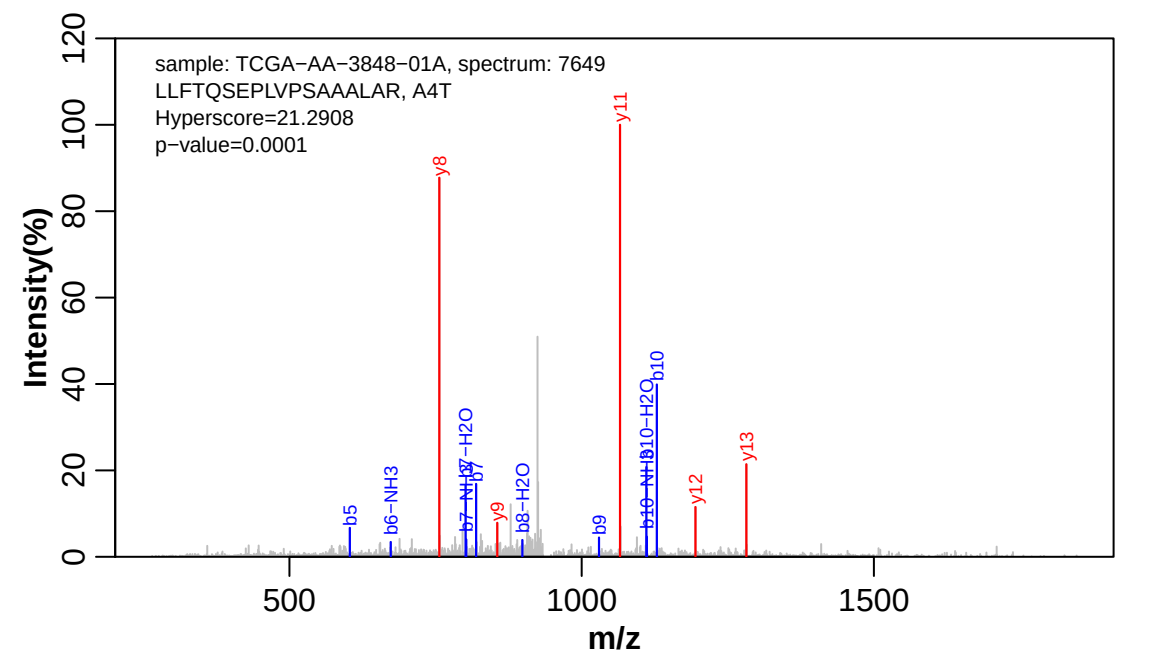

sample: TCGA−AA−3848−01A, spectrum: 19926
KFSLDALLTNVLPFEK, I11V
Hyperscore=39.8612
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b11++
y4
y5
b12++
b8++
b7
b8
b10
b11
y8−NH3
y13++
y6−NH3

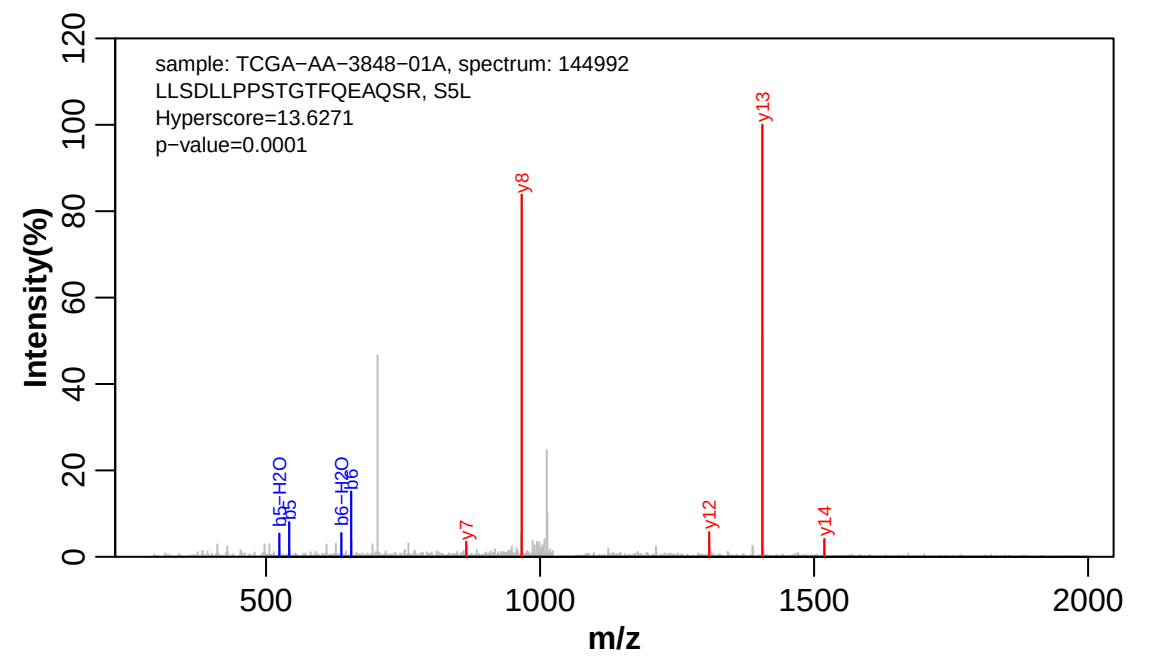

sample: TCGA−AA−3848−01A, spectrum: 121198
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV, V10A
Hyperscore=27.1563
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
b26++
b27++−H2O
b29++−NH3
b12++
b14++
y7
b19++
y10
b24++−NH3

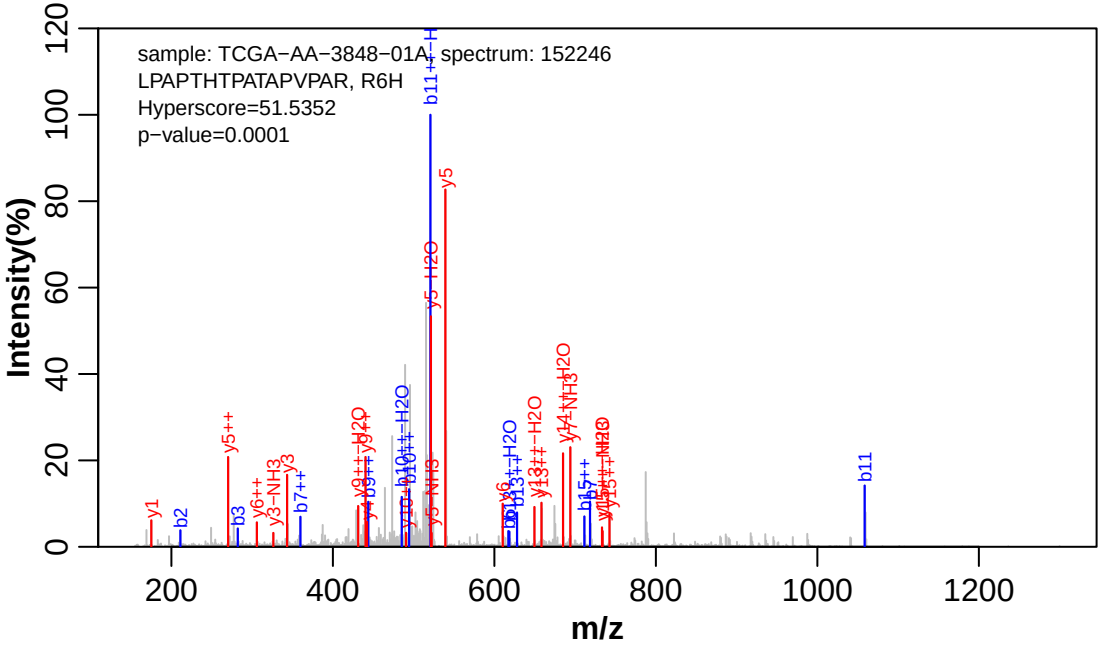

sample: TCGA−AA−3848−01A, spectrum: 63693
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=40.2914
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
b7
b8−H2O
y5
b9−H2O
b10−H2O
b10
y6
y7
y7−H2O
b11−H2O
b11
b12−H2O
b12
y9
y10
b13−H2O
b13
y11
y12
y12−H2O
b15−H2O
b15
y13
y14
b16
b18

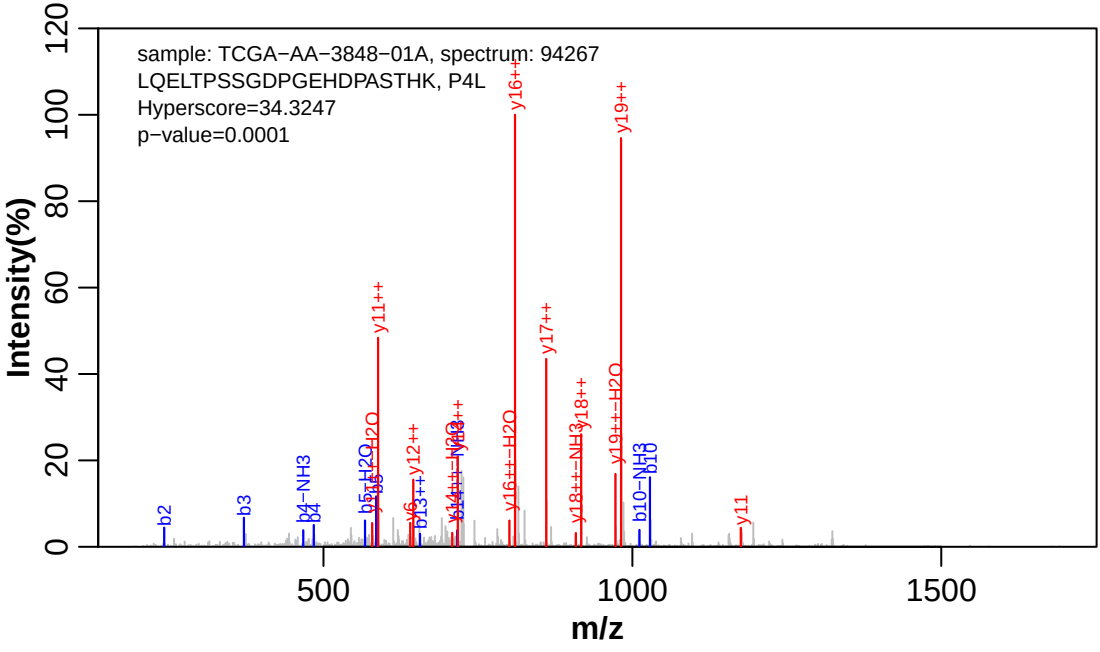

sample: TCGA−AA−3848−01A, spectrum: 165898
LDSTDFTSTLK, G8S
Hyperscore=26.7114
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−NH3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9−H2O
y9
b10−H2O
b10
y10

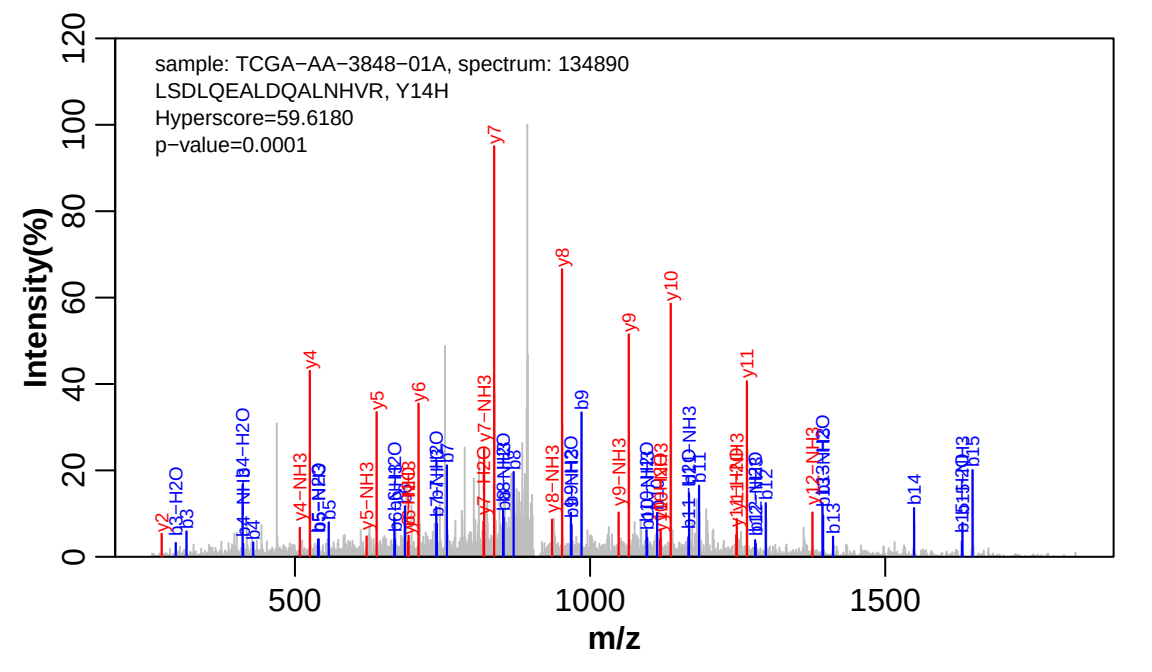

sample: TCGA−AA−3848−01A, spectrum: 41353
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=91.1585
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b14++
b11++
b13++
y6
y7
y5
b12++
b10++
y4
b7++
b10
b11
b12
b9
y10
b8
y10−H2O
b17++
b7
b16++−NH3
y16++
b15++−H2O
b15++
y15++−H2O
y15++
y7−H2O
b5
b4
y6−NH3
y13+−NH3
b9++
b8++
y10++
y3
y2
b2

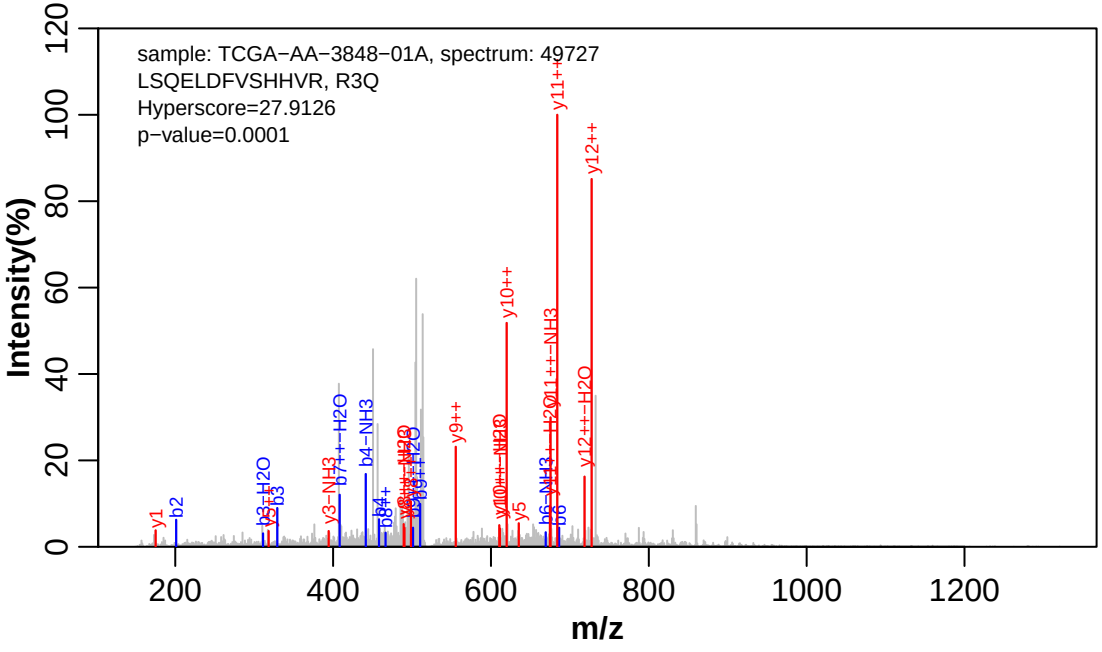

sample: TCGA−AA−3848−01A, spectrum: 7649
LLFTQSEPLVPSAAALAR, A4T
Hyperscore=21.2908
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11
y8
b10
b10−H2O
b10−NH3
y13
y12
b7−H2O
b7
b7−NH3
y9
b8−H2O
b9
b5
b6−NH3

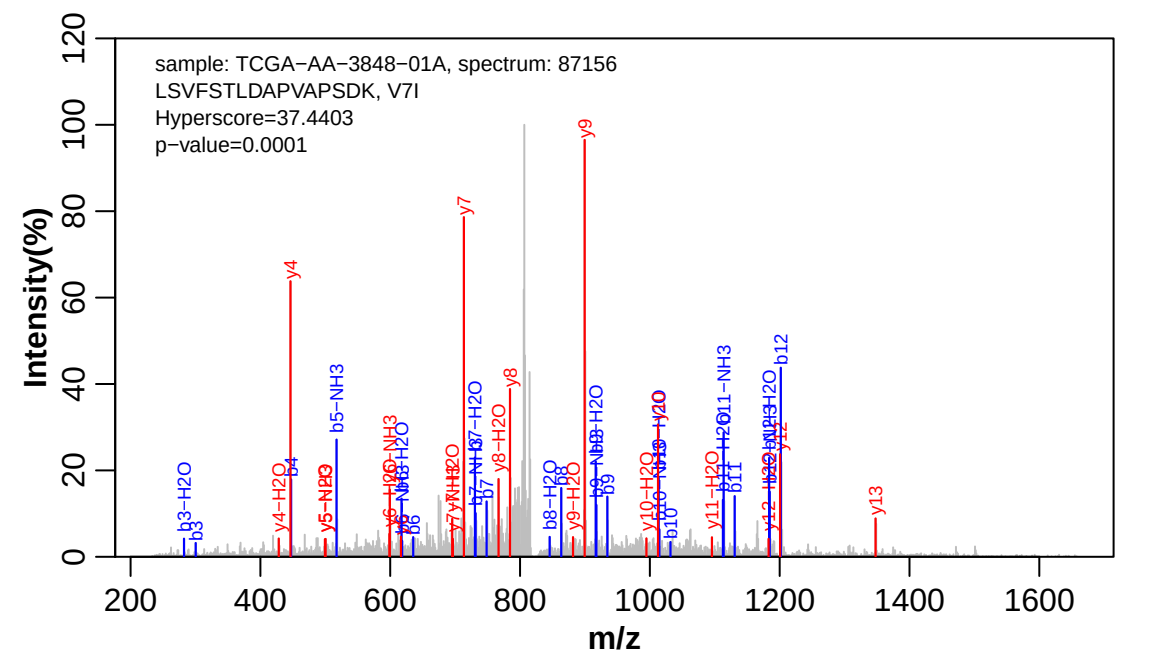

sample: TCGA−AA−3848−01A, spectrum: 144992
LLSDLLPPSTGTFQEAQSR, S5L
Hyperscore=13.6271
p−value=0.0001
Intensity(%)
m/z
y13
y8
y12
y14
y7
b5−H2O
b5
b6−H2O
b6
0
20
40
60
80
100
120
500
1000
1500
2000

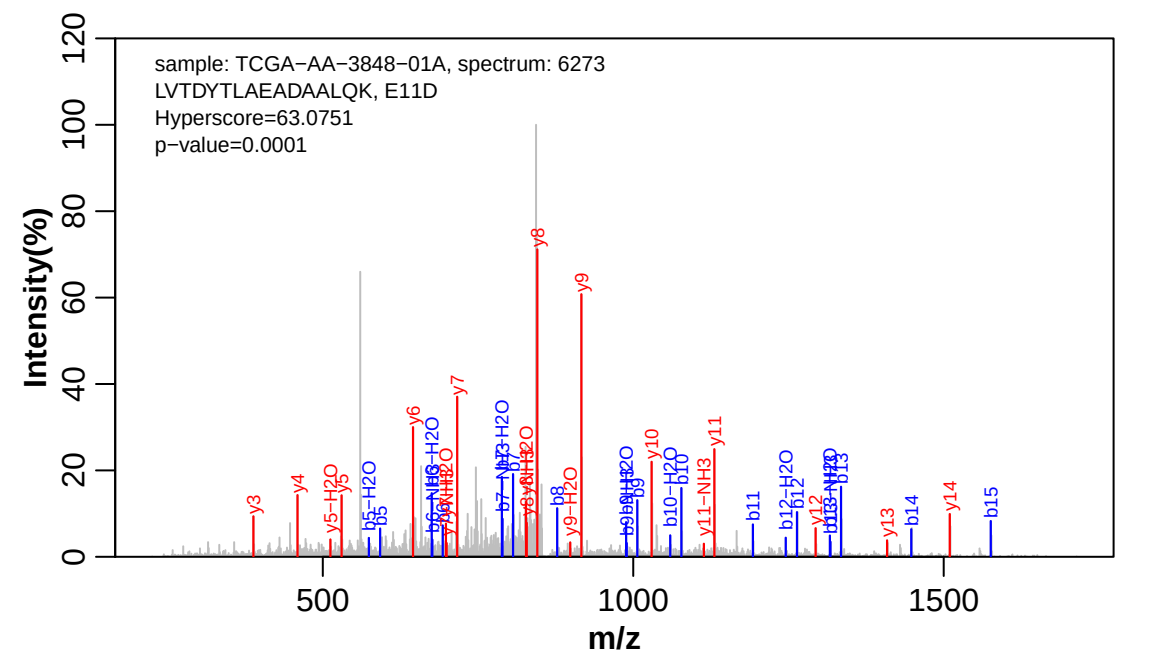

sample: TCGA−AA−3848−01A, spectrum: 152246
LPAPTHTPATAPVPAR, R6H
Hyperscore=51.5352
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2
b3
y5++
y6++
y3−NH3
y3
b7++
b11++−H
y5
y5−H2O
y5−NH3
b10++−H2O
y9++−H2O
y9++
y13++−H2O
y13++
y14−NH3−H2O
b15++
b11

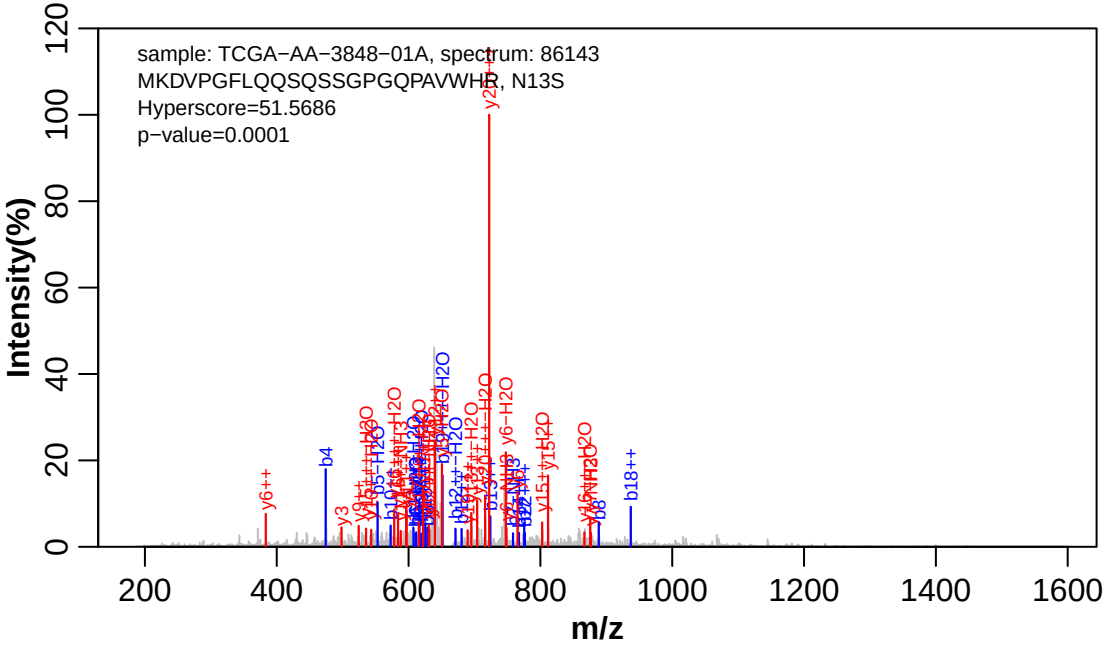

sample: TCGA−AA−3848−01A, spectrum: 94267
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=34.3247
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
b3
b4−NH3
b4
y11++
y12++
y16++
y16++−H2O
y17++
y18++
y18++−NH3
y19++
y19++−H2O
b10−NH3
b10
y11

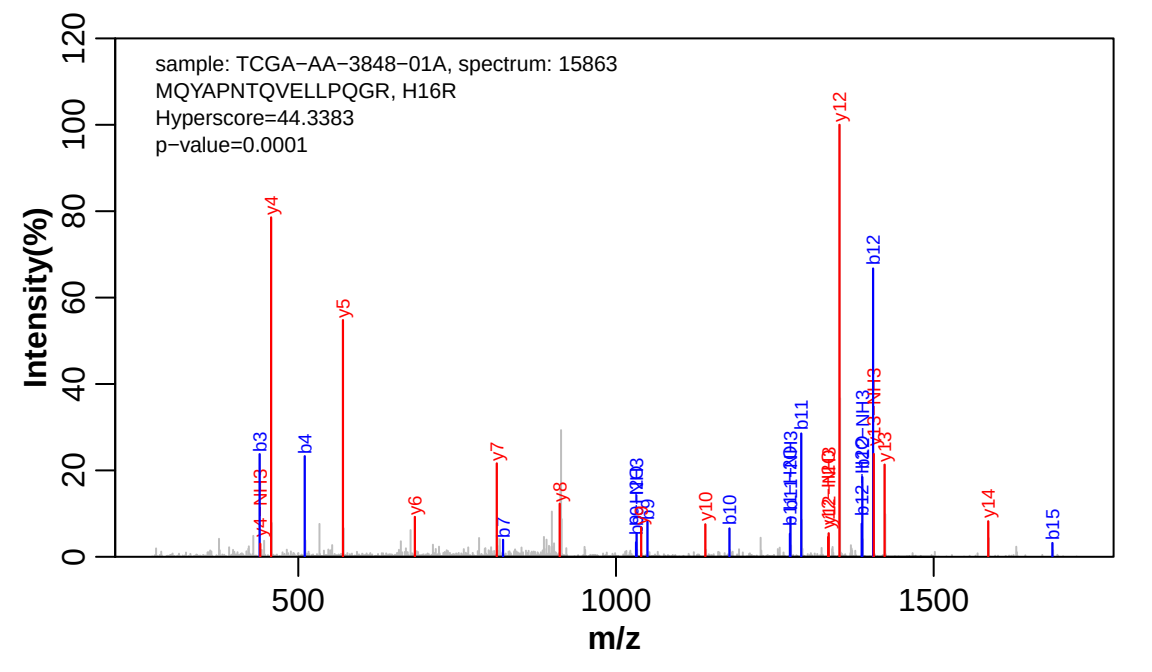

sample: TCGA−AA−3848−01A, spectrum: 134890
LSDLQEALDQALNHVR, Y14H
Hyperscore=59.6180
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y8
y10
y9
y11
y4
y5
y6
b9
b14
y2
b3
b3−H2O
y4−NH3
y5−NH3
y7−NH3
y7−H2O
y8−NH3
y9−NH3
y12−NH3
b13
b15
b15−H2O

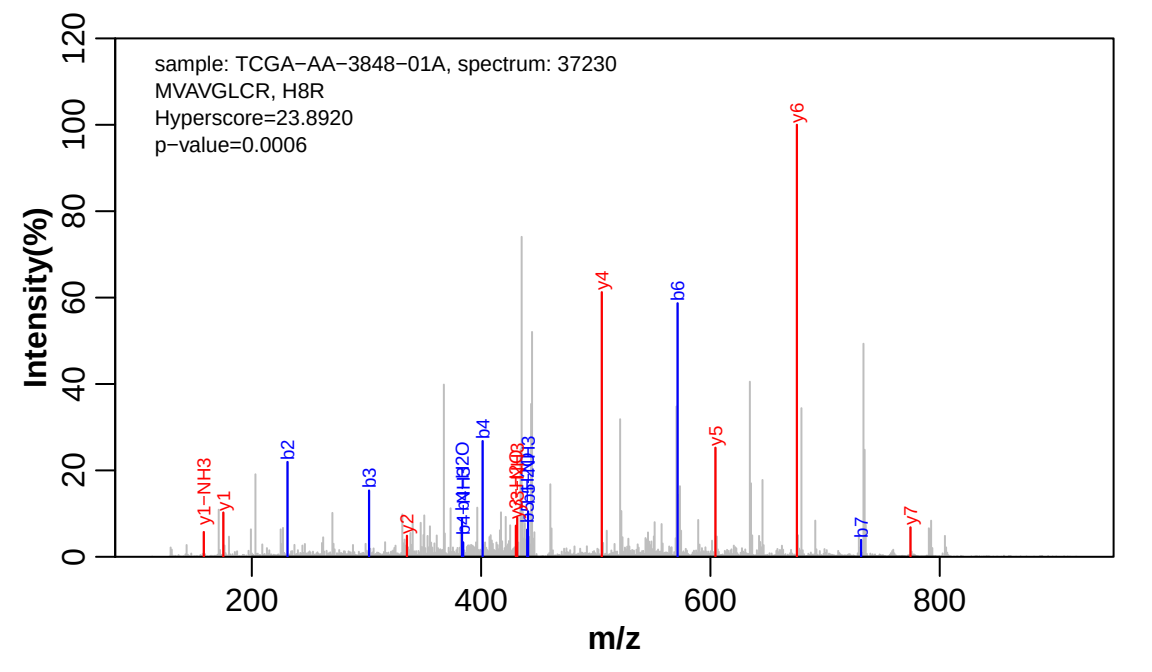

sample: TCGA−AA−3848−01A, spectrum: 49727
LSQELDFVSHHVR, R3Q
Hyperscore=27.9126
p−value=0.0001
Intensity(%)
m/z
y11++
y12++
y10++
y9++
y11++−NH3
y12++−H2O
y5
y1
b2
b3
b4−NH3
y3−NH3
b7++−H2O
b3++−H2O

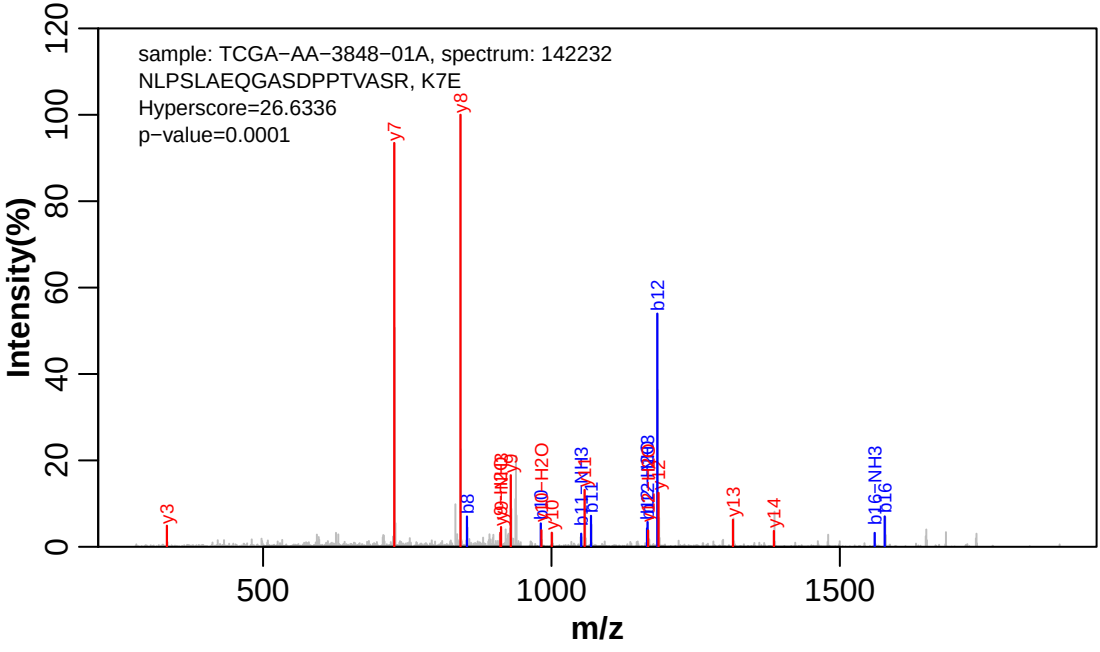

sample: TCGA−AA−3848−01A, spectrum: 87156
LSVFSTLDAPVAPSDK, V7I
Hyperscore=37.4403
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y7
y4
y8
b5−NH3
b12
y13
b3−H2O
b3
y4−H2O
b4
y5−NH3
y8−H2O
b8−H2O
y9−H2O
y10−H2O
y11−H2O
y11−NH3
b11
y12
b8
b9
b10

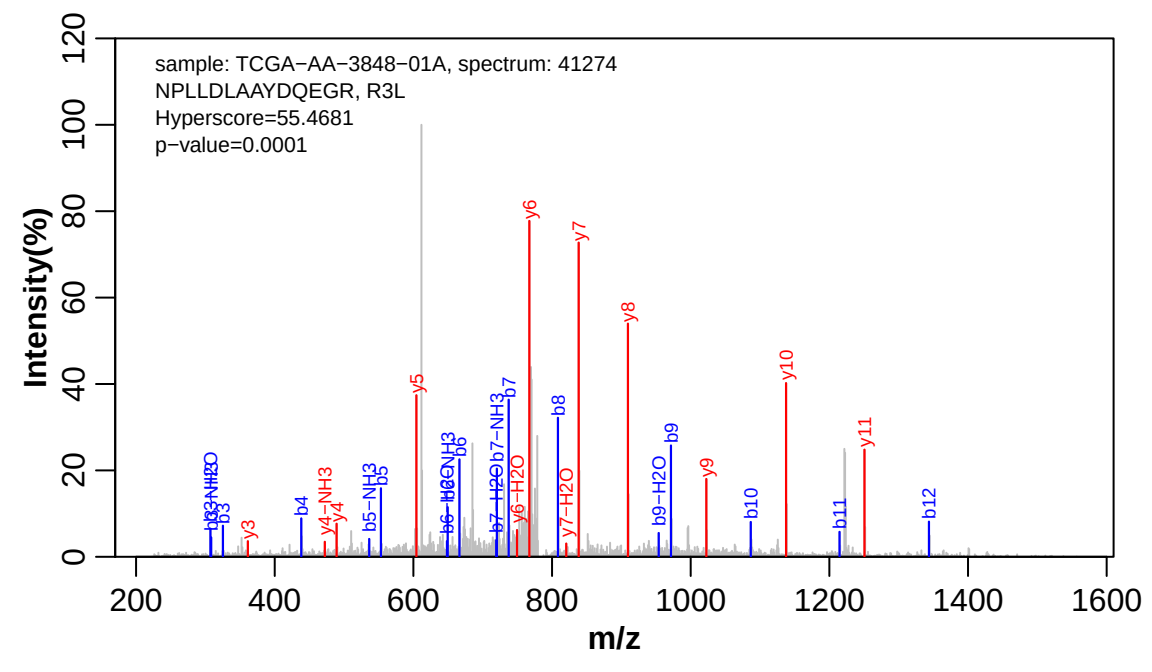

sample: TCGA−AA−3848−01A, spectrum: 6273
LVTDYTLAEADAALQK, E11D
Hyperscore=63.0751
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5−H2O
y5
b5−H2O
b5
y6
y7
y8
y9
y9−H2O
b8
b7
y10
b10−H2O
b10
y11−NH3
y11
b11
b12−H2O
b12
y12
b13
y13
b14
y14
b15

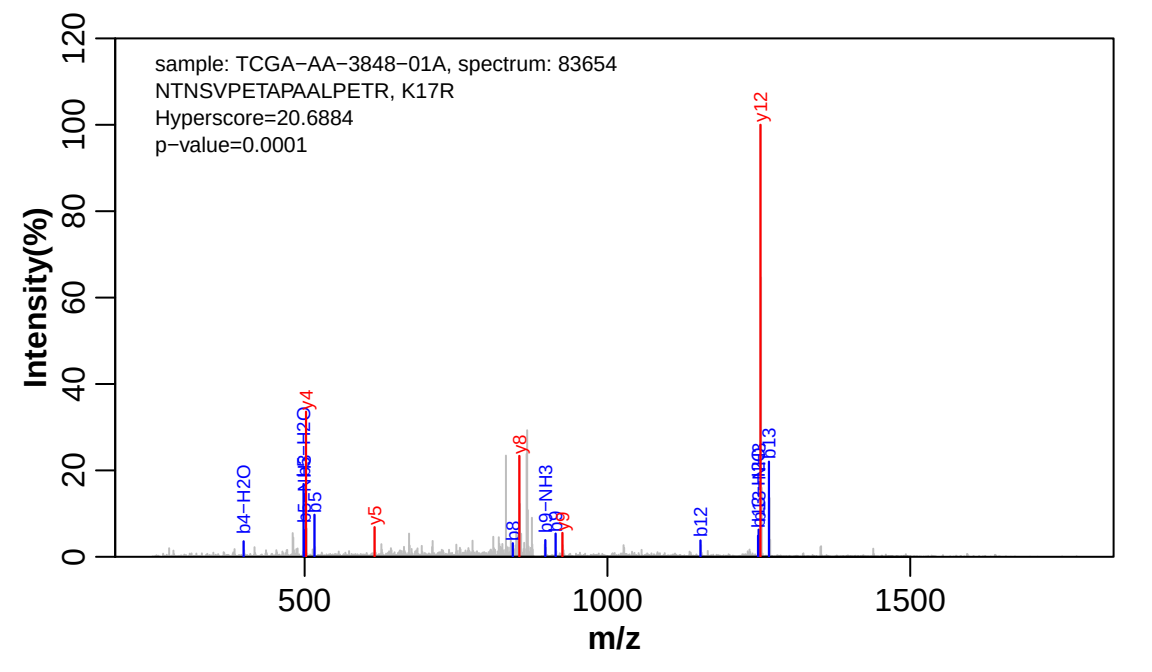

sample: TCGA−AA−3848−01A, spectrum: 86143
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=51.5686
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2++
y6++
b4
y3
b18++
y6−H2O
y15++
y15+
b8

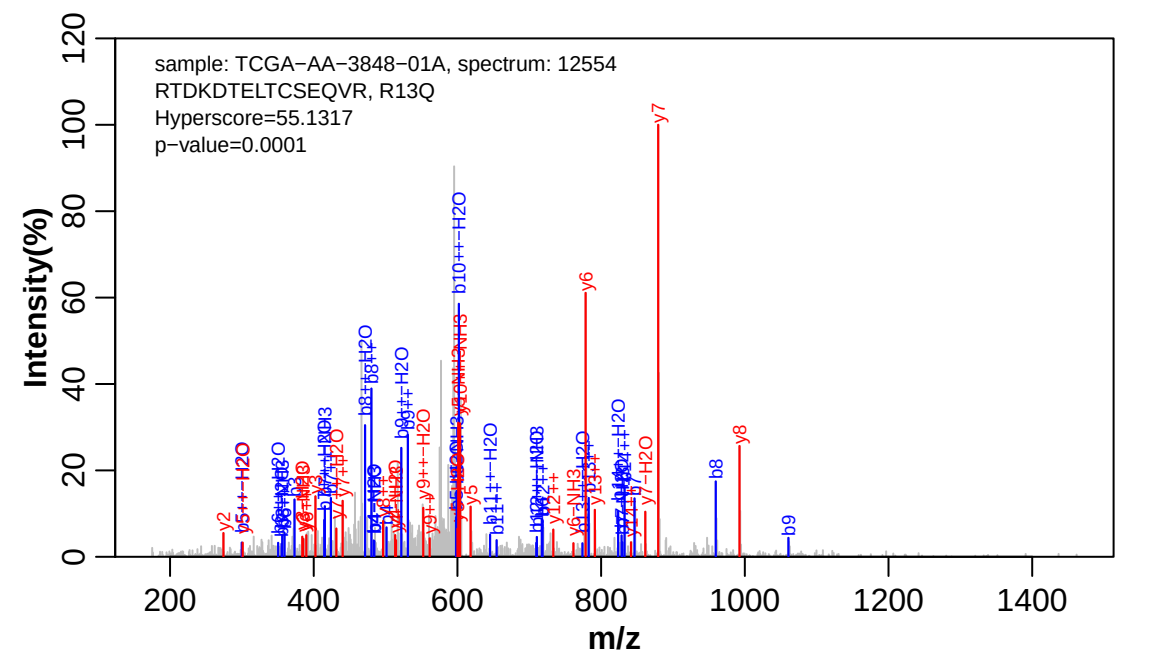

sample: TCGA−AA−3848−01A, spectrum: 15863
MQYAPNTQVELLPQGR, H16R
Hyperscore=44.3383
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
b3
b4
y5
y6
y7
y8
b7
y10
b10
b11
y12
b12
y13
y14
b15

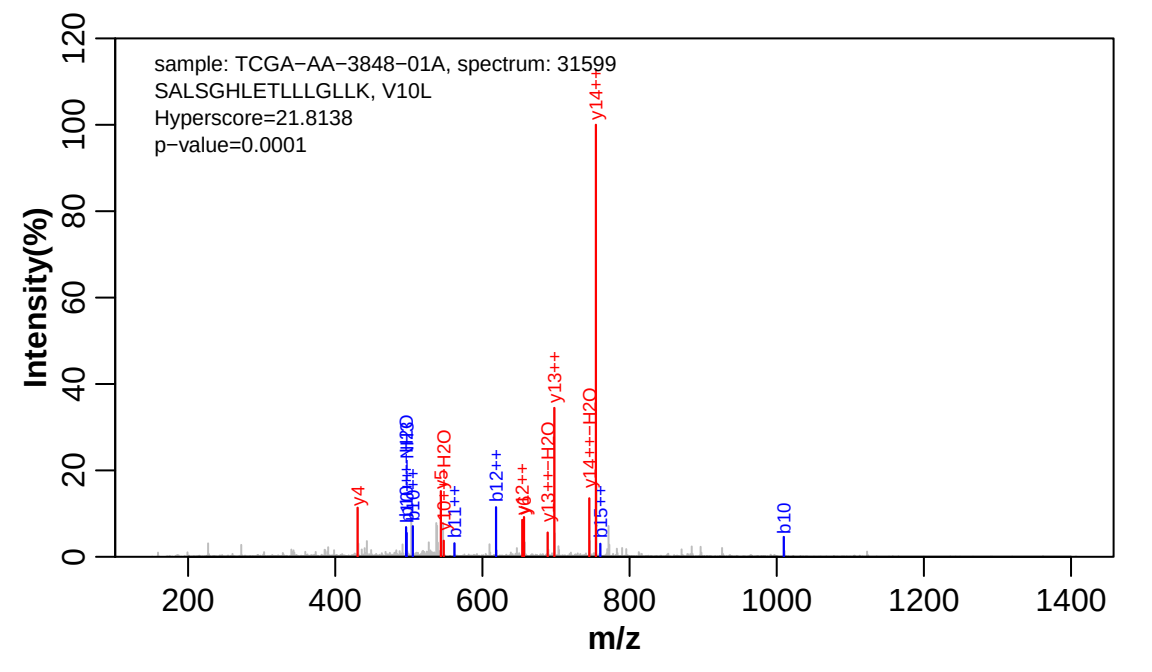

sample: TCGA−AA−3848−01A, spectrum: 37230
MVAVGLCR, H8R
Hyperscore=23.8920
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y6
y4
b6
y5
b4
b2
b3
y1−NH3
y1
y2
b7
y7

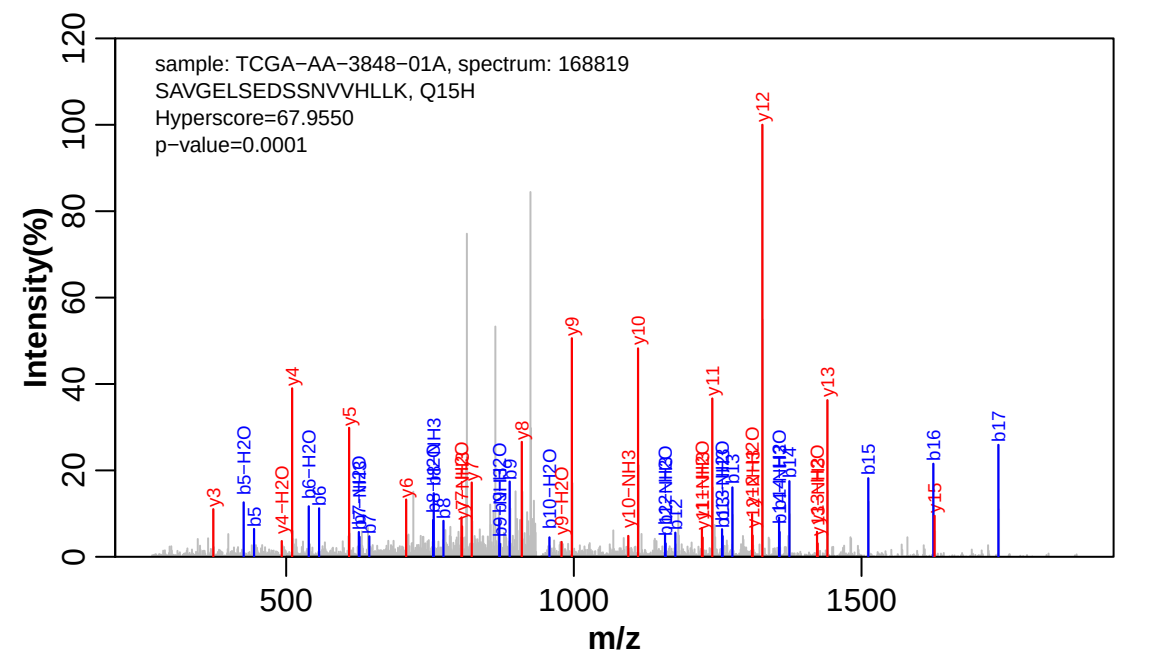

sample: TCGA−AA−3848−01A, spectrum: 142232
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=26.6336
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y7
y8
b8
y10
y10−H2O
b11−NH3
b11
y12
b12
y13
y14
b16−NH3
b16

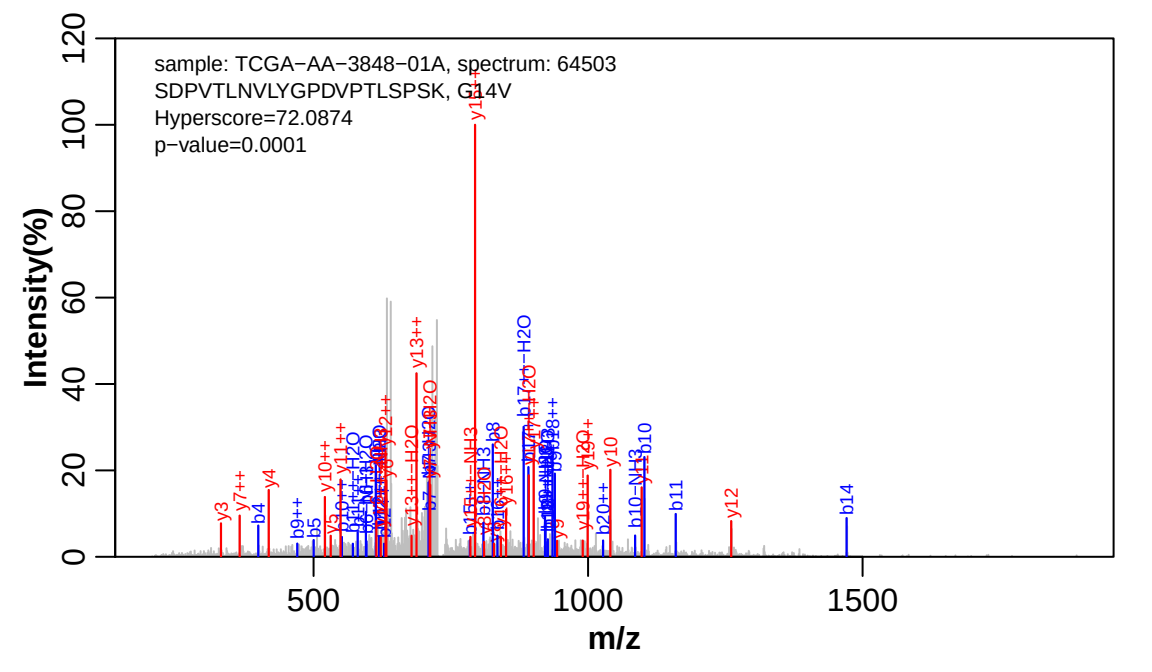

sample: TCGA−AA−3848−01A, spectrum: 41274
NPLLDLAAYDQEGR, R3L
Hyperscore=55.4681
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y8
y5
y10
y11
y9
b8
b7
b9
b10
b11
b12
b4
b5
b6
y3
y4
y6−H2O
y7−H2O
b9−H2O
b7−NH3
b5−NH3
y4−NH3

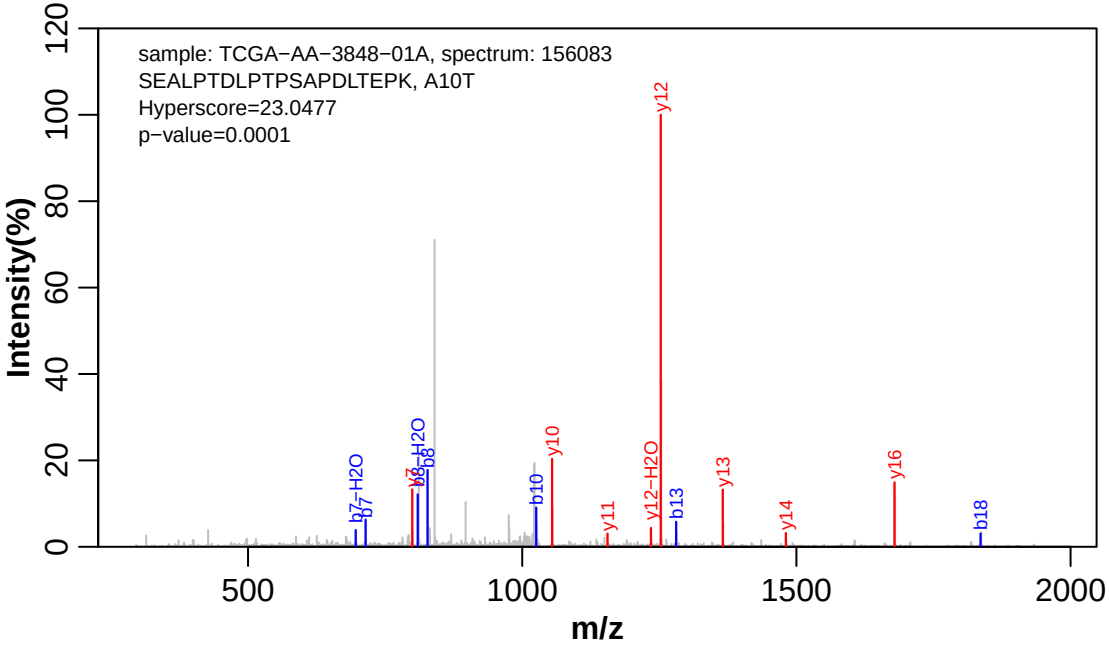

sample: TCGA−AA−3848−01A, spectrum: 83654
NTNSVPETAPAALPETR, K17R
Hyperscore=20.6884
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y8
y4
b4−H2O
b5−NH3
b5−H2O
y5
b8
b9−NH3
b12
b13

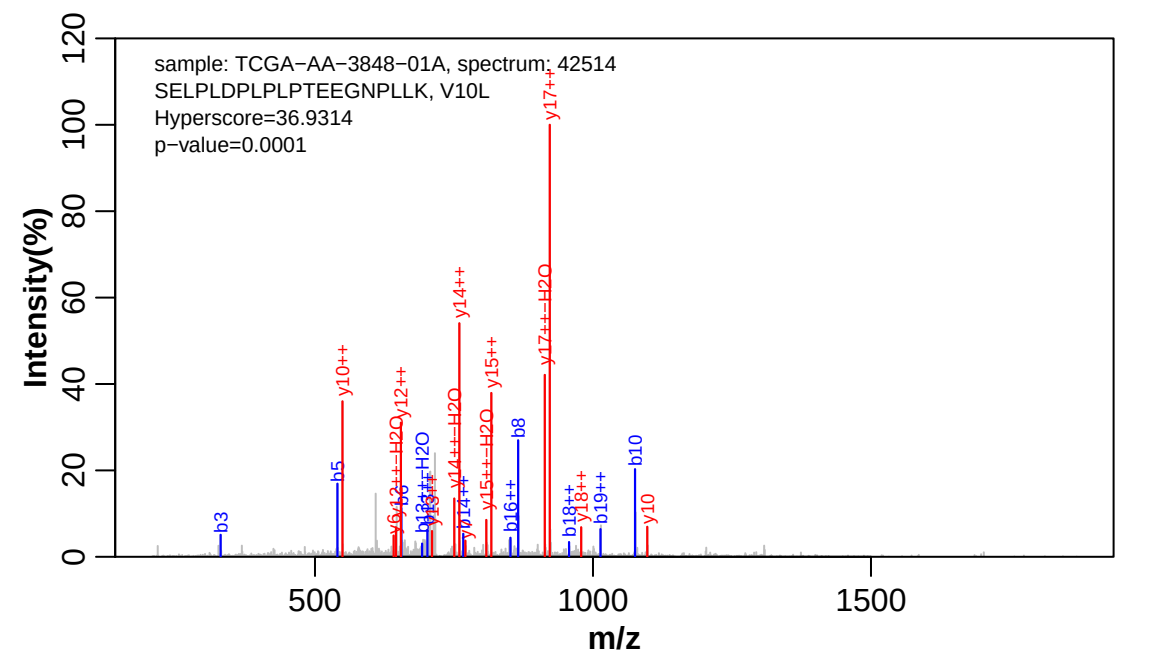

sample: TCGA−AA−3848−01A, spectrum: 12554
RTDKDTELTCSEQVR, R13Q
Hyperscore=55.1317
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y6
y8
b8
b9
y2
y5++−H2O
b10++−H2O
b11++−H2O
y7−H2O
y9++−H2O
b01++H2O
b8++H2O

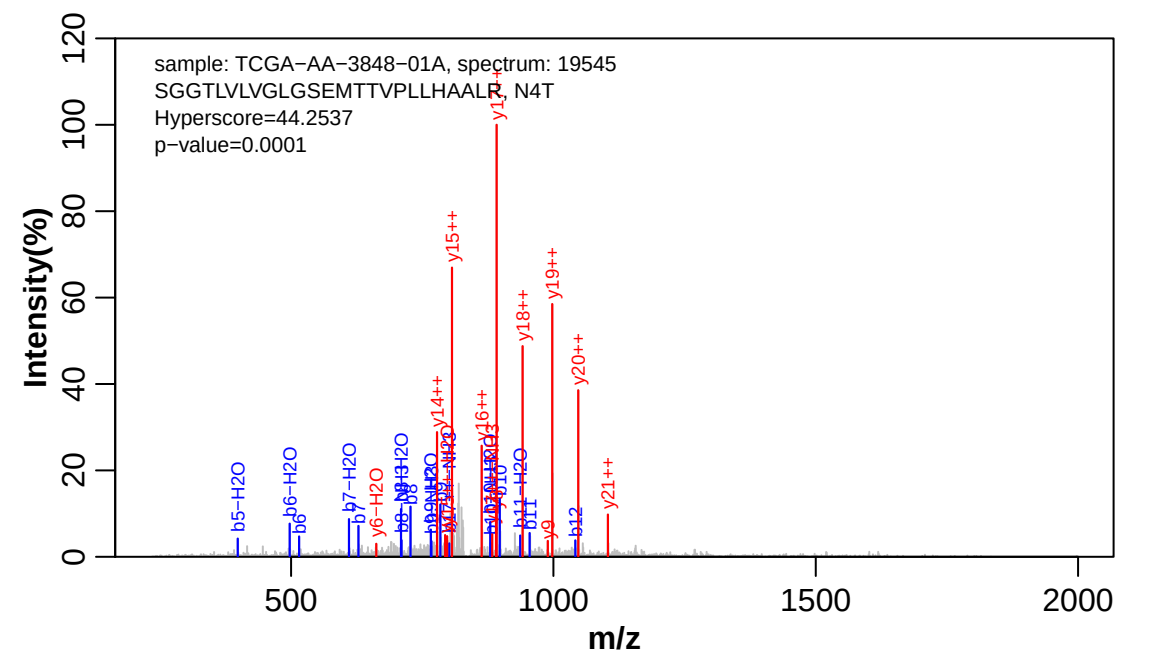

sample: TCGA−AA−3848−01A, spectrum: 31599
SALSGHLETLLLGLLK, V10L
Hyperscore=21.8138
p−value=0.0001
Intensity(%)
m/z
y14++
y13++
y14++−H2O
y13++−H2O
y4
b12++
b11++
b10
b15++
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

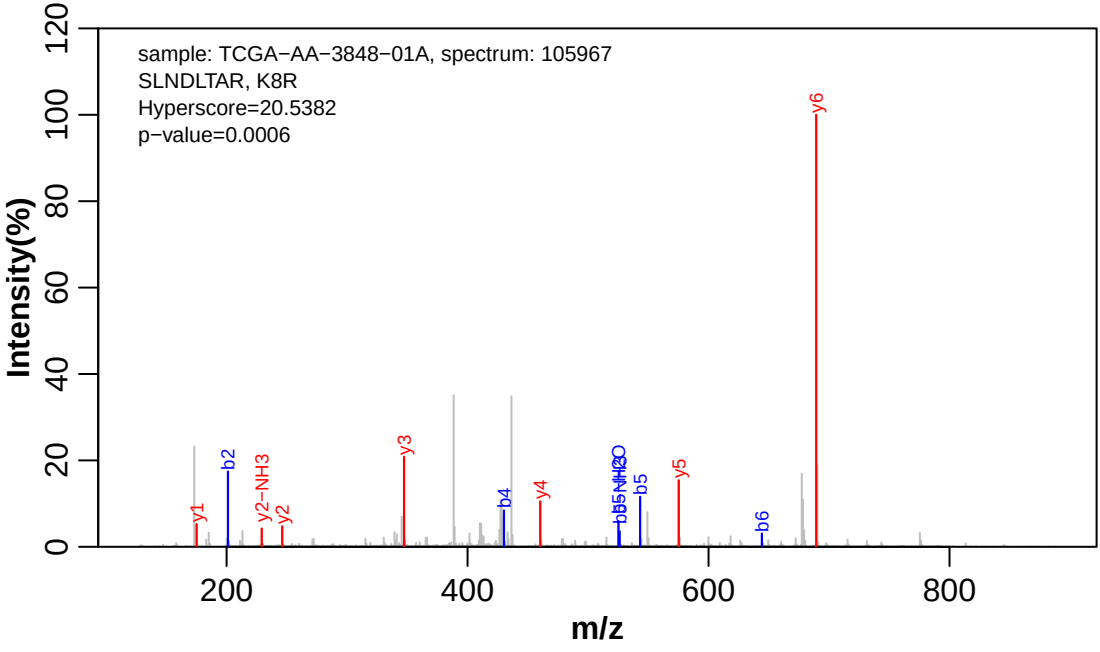

sample: TCGA−AA−3848−01A, spectrum: 168819
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=67.9550
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b5−H2O
b5
y4−H2O
y4
b6−H2O
b6
y5
y6
y7−NH3
y7
y8
b10−H2O
y9−H2O
y9
y10−NH3
y10
y11
y12
y13
b15
y15
b16
b17

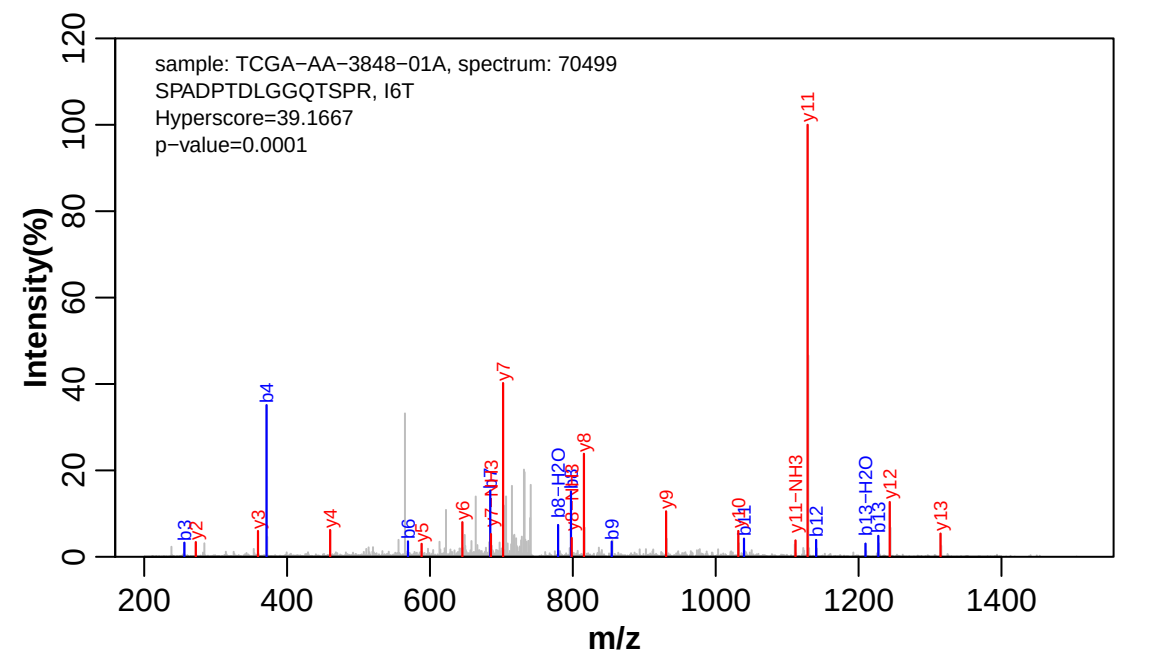

sample: TCGA−AA−3848−01A, spectrum: 64503
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=72.0874
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y15++
y13++
y3
y7++
b4
y4
b9++
b5
y10++
y5
y11++
y12
y13++−H2O
y13++−NH3
y16++−H2O
y17++−H2O
y19++
y20++
y10
b20++
b10−NH3
b10
b11
y12
b14

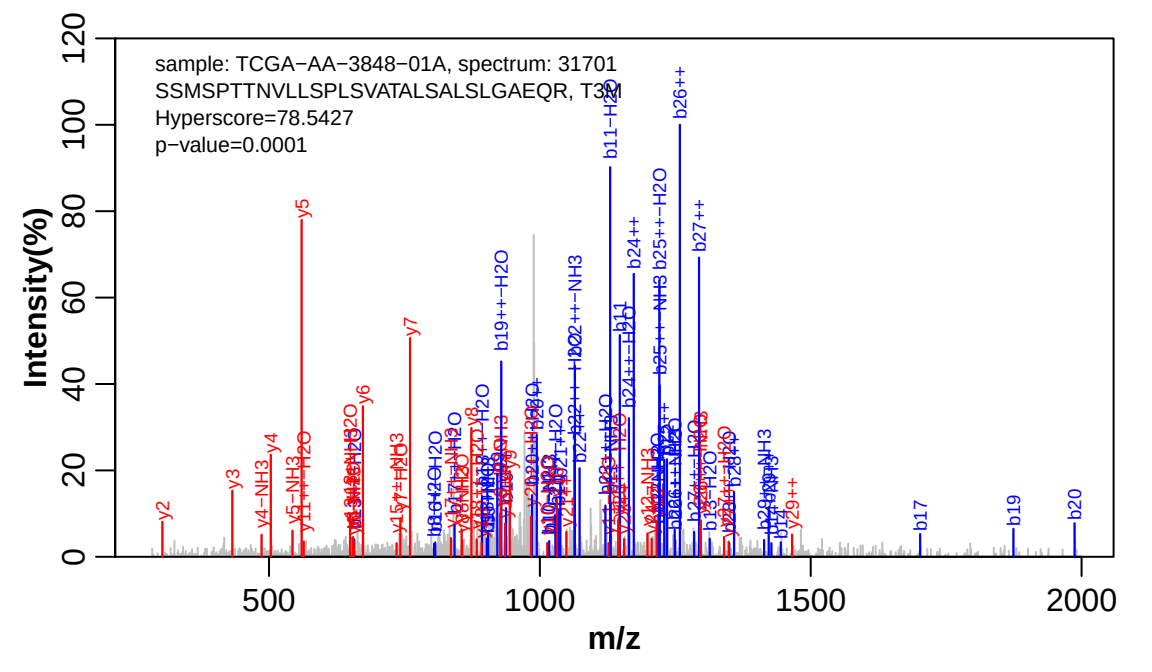

sample: TCGA−AA−3848−01A, spectrum: 156083
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=23.0477
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
y10
b8−H2O
b8
b7−H2O
b7
b10
y11
y12−H2O
b13
y13
y14
y16
b18

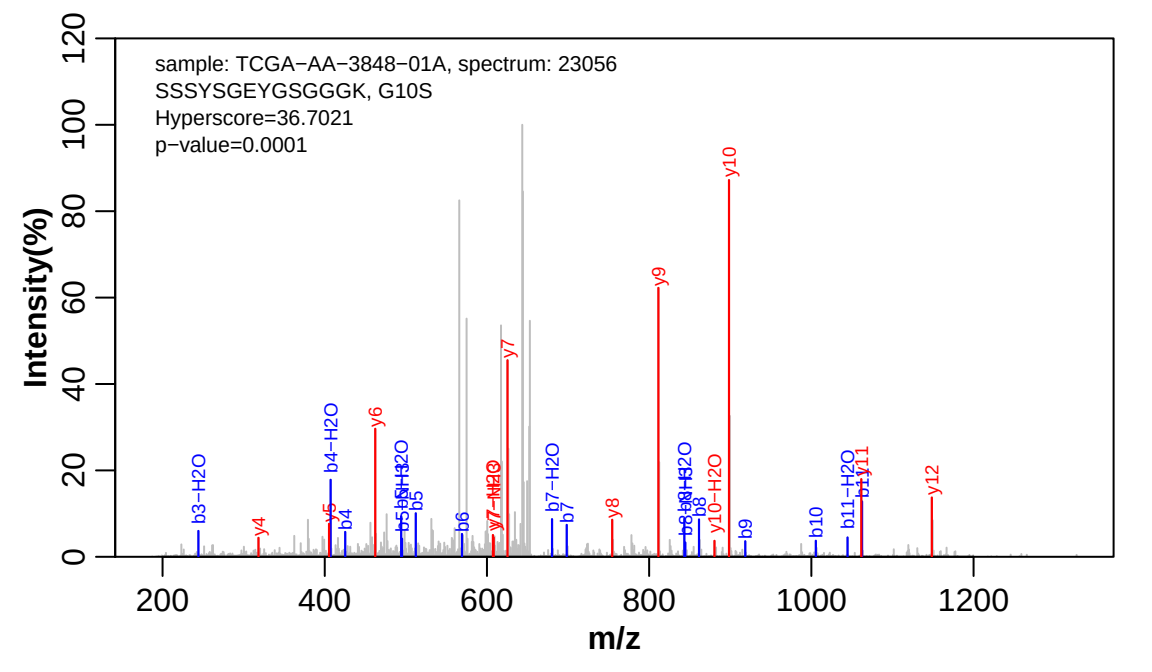

sample: TCGA−AA−3848−01A, spectrum: 42514
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=36.9314
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b5
y10++
y12++
y14++
y14++−H2O
y15++
y15++−H2O
y17++
y17++−H2O
b8
b10
b16++
b18++
b19++
y10

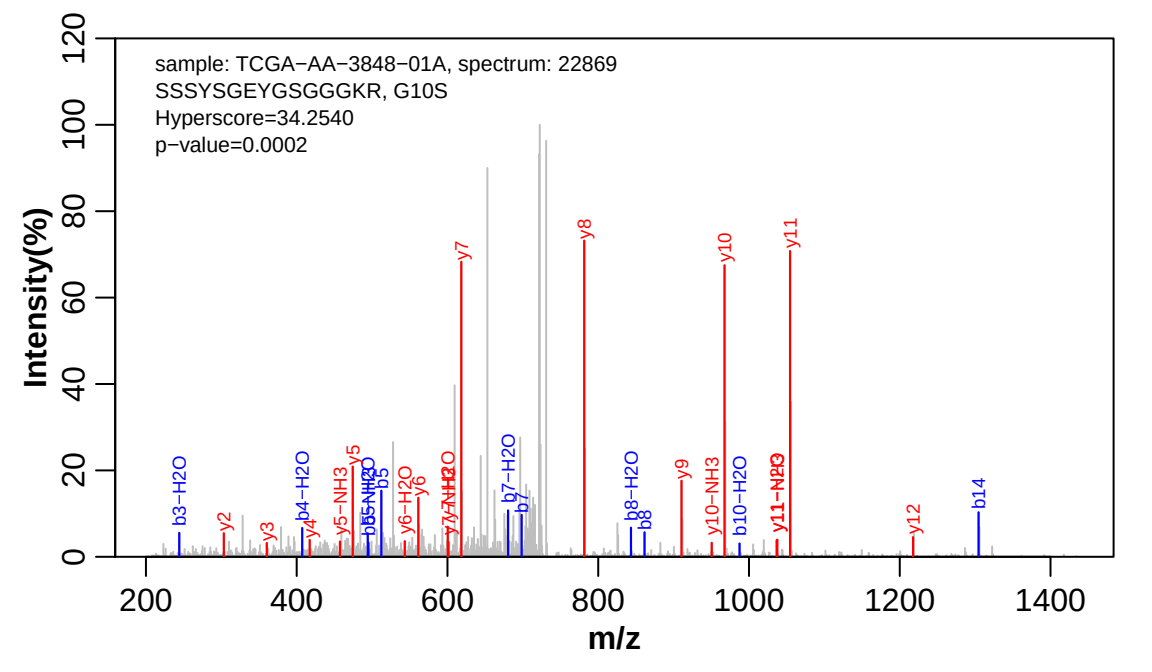

sample: TCGA−AA−3848−01A, spectrum: 19545
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=44.2537
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y17++
y15++
y19++
y18++
y20++
y14++
y16++
y21++
b5−H2O
b6−H2O
b6
b7−H2O
b7
y6−H2O
b8−H2O
b8
b11−H2O
y9
b12

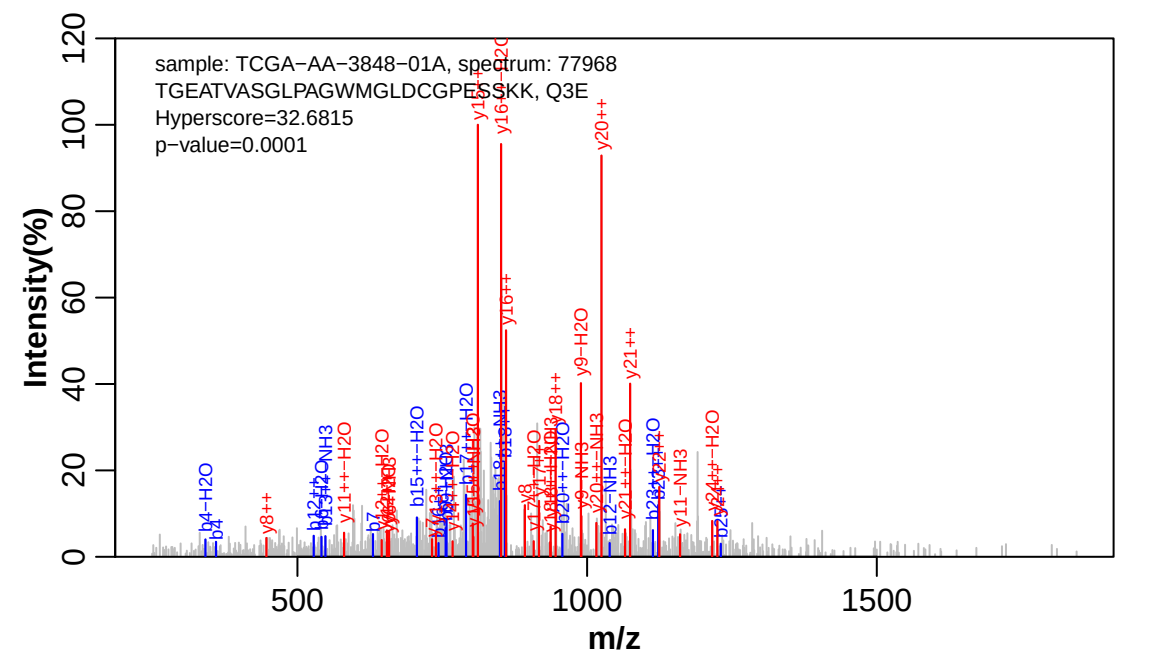

sample: TCGA−AA−3848−01A, spectrum: 105967
SLNDLTAR, K8R
Hyperscore=20.5382
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2
y2−NH3
y2
y3
b4
y4
b5−NH3
b5−H2O
b5
y5
b6
y6

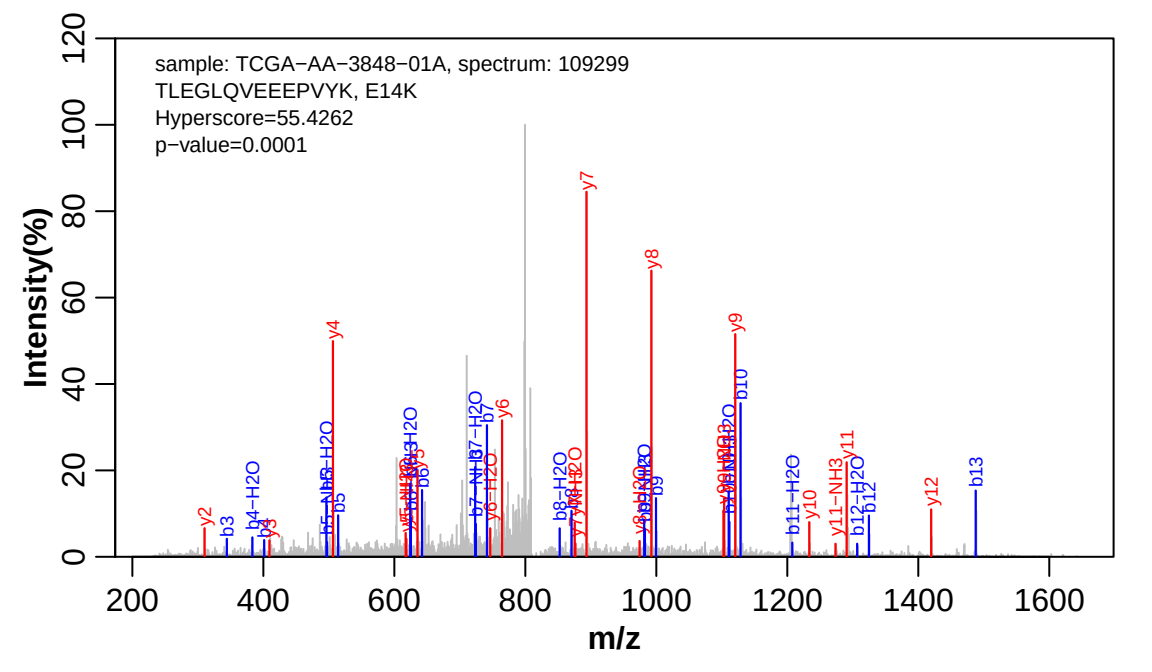

sample: TCGA−AA−3848−01A, spectrum: 70499
SPADPTDLGGQTSPR, I6T
Hyperscore=39.1667
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
b6
y5
y6
y7−NH3
y7
b8−H2O
y8
b9
y9
b10
y11−NH3
y11
b12
b13−H2O
b13
y12
y13

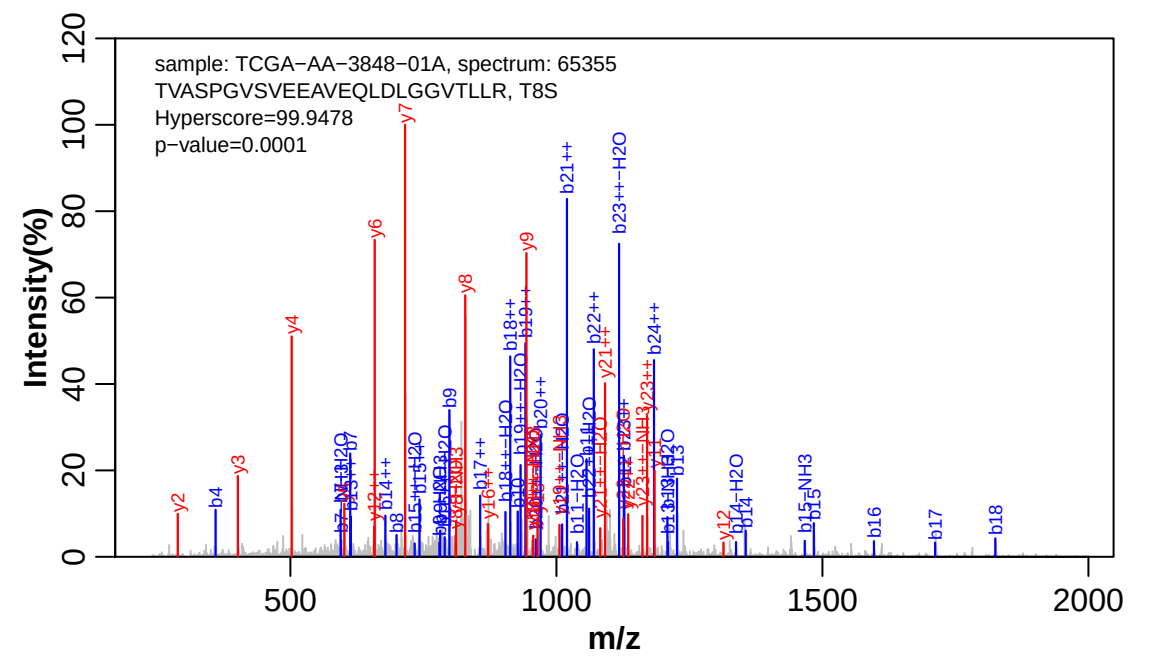

sample: TCGA−AA−3848−01A, spectrum: 31701
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=78.5427
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y4−NH3
y4
y5
y5−NH3
y7
y6
b11−H2O
b26++
b24++
b25++−NH3
b25++−H2O
b27++
b19++−H2O
b17
b19
b20
y29++

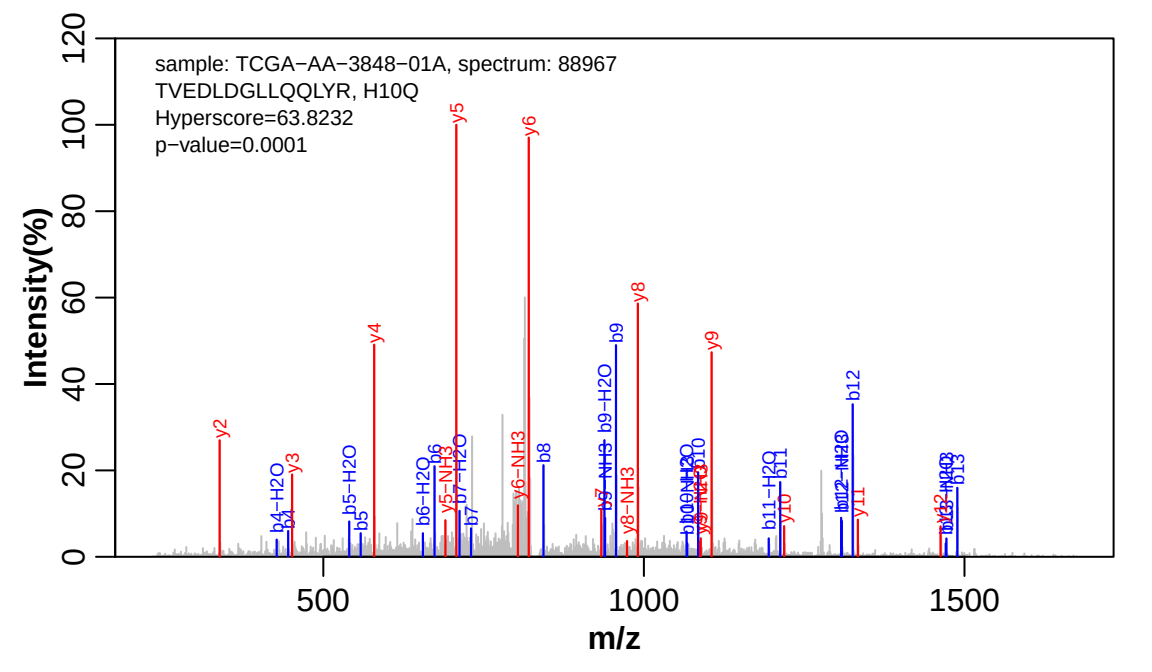

sample: TCGA−AA−3848−01A, spectrum: 23056
SSSYSGEYGSGGGK, G10S
Hyperscore=36.7021
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
b4−H2O
y5
b4
y6
b5
b6
y7
b7−H2O
b7
y8
y9
b8
y10−H2O
y10
b9
b10
b11−H2O
y11
y12

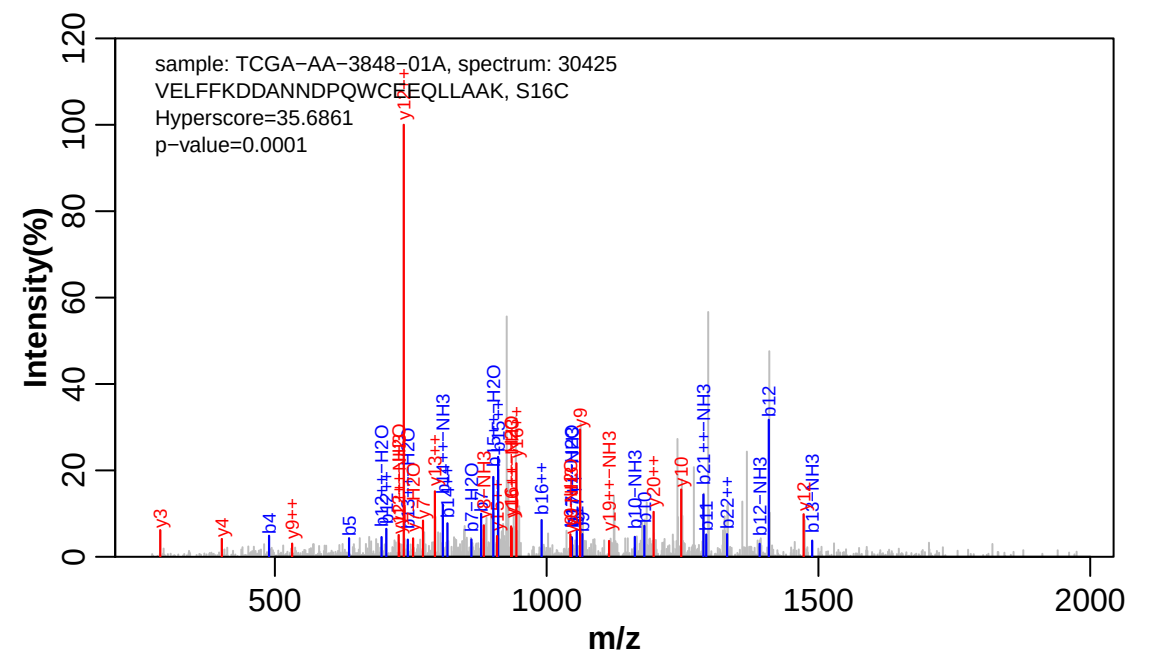

sample: TCGA−AA−3848−01A, spectrum: 22869
SSSYSGEYGSGGGKR, G10S
Hyperscore=34.2540
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
y2
y3
b4−H2O
y4
y5−NH3
y5
b5−NH3
b5
y6−H2O
y6
y7−NH3
y7
y7−H2O
b7−H2O
b7
y8
b8−H2O
b8
y9
y10−NH3
y10
b10−H2O
y11−NH3
y11
y12
b14

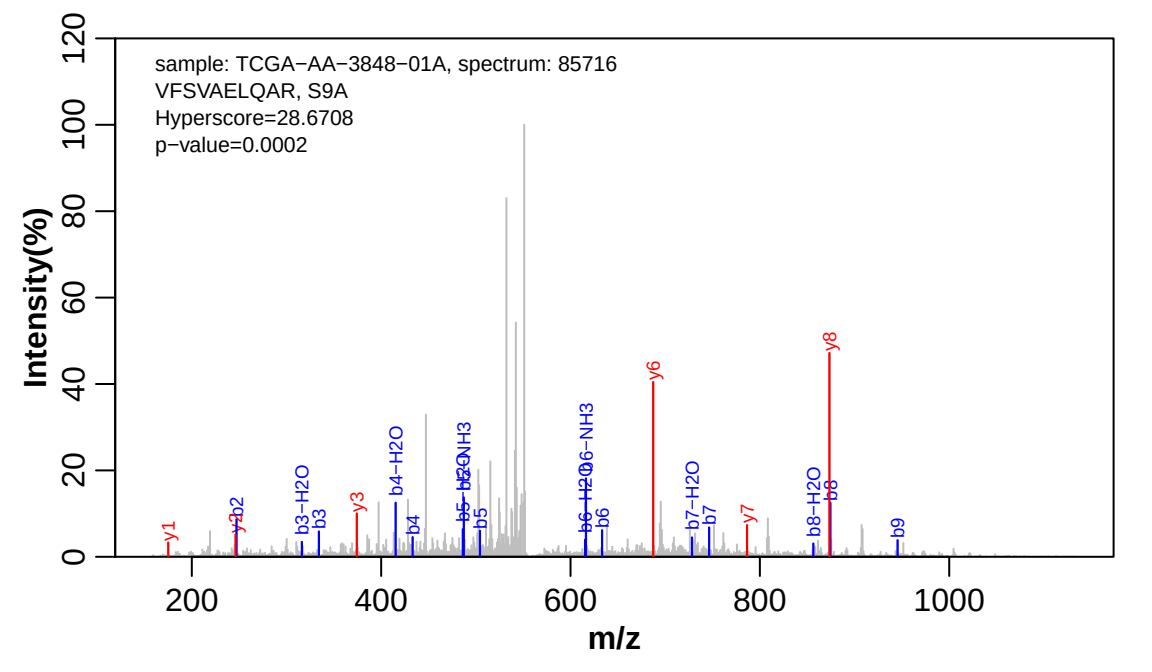

sample: TCGA−AA−3848−01A, spectrum: 77968
TGEATVASGLPAGWMGLDCGPESSKK, Q3E
Hyperscore=32.6815
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16++
y16++−H2O
y20++
y16++
y9−H2O
y21++
y21++−H2O
y11−NH3
y11++−H2O
y8++
b4−H2O
b4
b15++−H2O
b18++
b20++−H2O
b12−NH3
y20++−NH3
y9−NH3
y18++
b7
y8
y24++−H2O

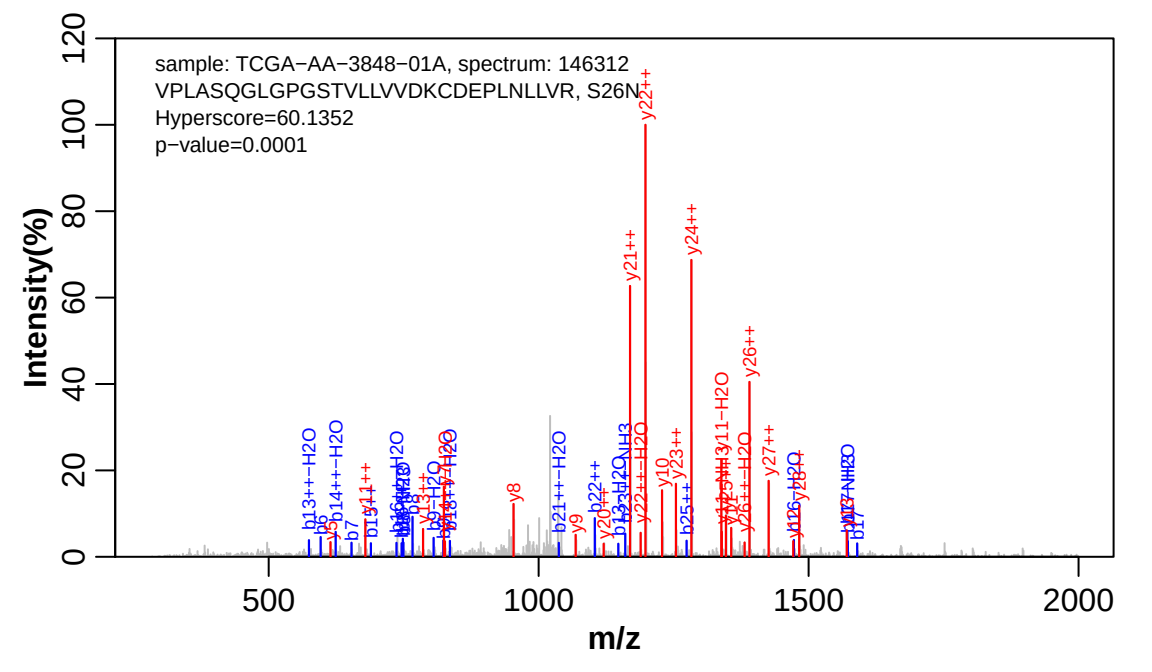

sample: TCGA−AA−3848−01A, spectrum: 109299
TLEGLQVEEEPVYK, E14K
Hyperscore=55.4262
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
b4−H2O
y3
y4
b5
b6−H2O
b6−NH3
y5
b7−H2O
b7
y6
b8−H2O
y7
y7−H2O
y8
b9
b9−H2O
y9
b10
b10−H2O
b10−NH3
y10
b11−H2O
y11
y11−NH3
b12
b12−H2O
y12
b13

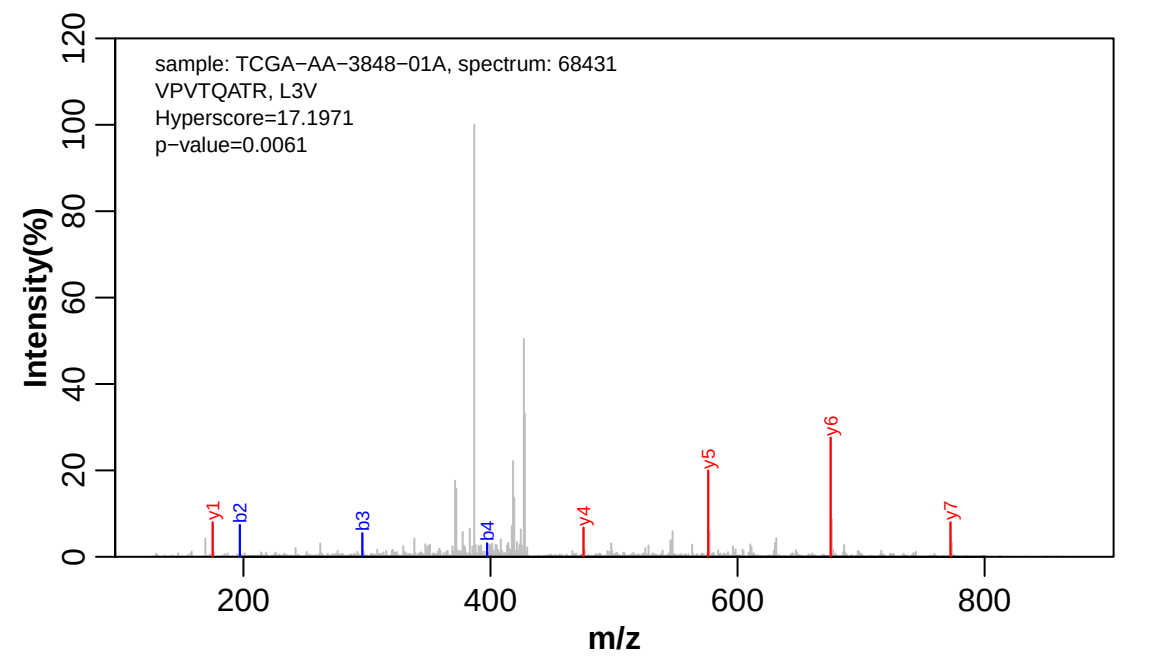

sample: TCGA−AA−3848−01A, spectrum: 65355
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=99.9478
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y7
y6
y4
y8
y9
b21++
b23++−H2O
b22++
b24++
y3
y2
b4
b8
b15
b16
b17
b18
b15−NH3
b14−H2O

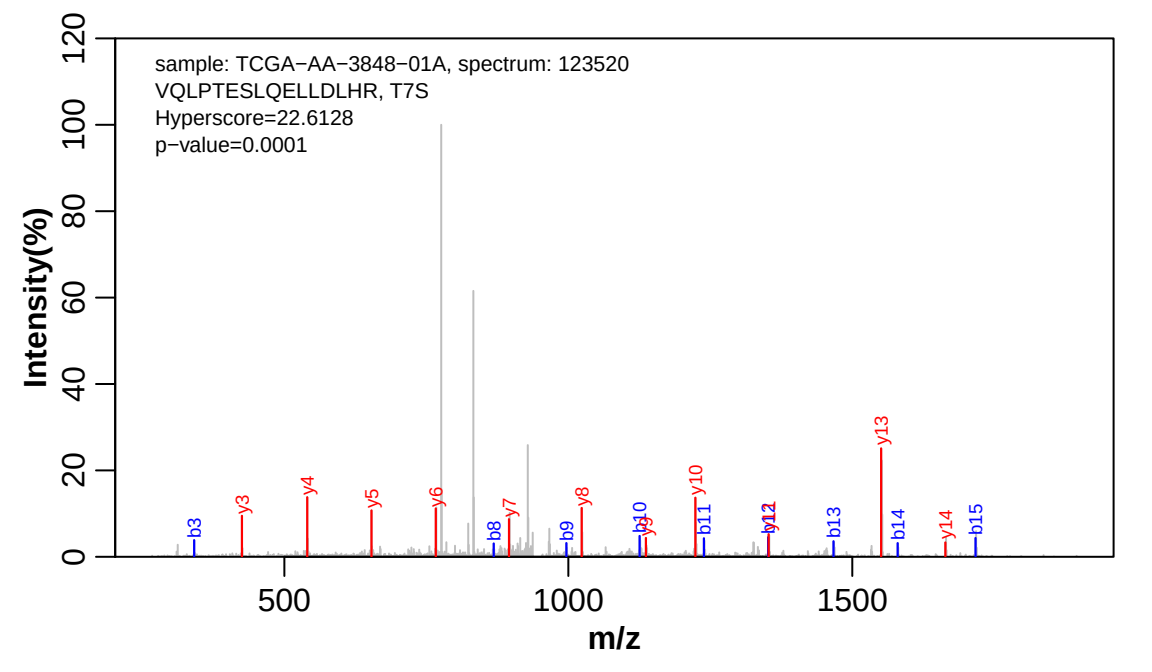

sample: TCGA−AA−3848−01A, spectrum: 88967
TVEDLDGLLQQLYR, H10Q
Hyperscore=63.8232
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
y4
y5
y6
y8
y9
y10
y11
b4−H2O
b4
b5−H2O
b5
b6−H2O
b6
y5−NH3
b7−H2O
b7
y6−NH3
b8
b9
b9−H2O
b9−NH3
y8−NH3
b11−H2O
b11
b12
b12−NH3
b13

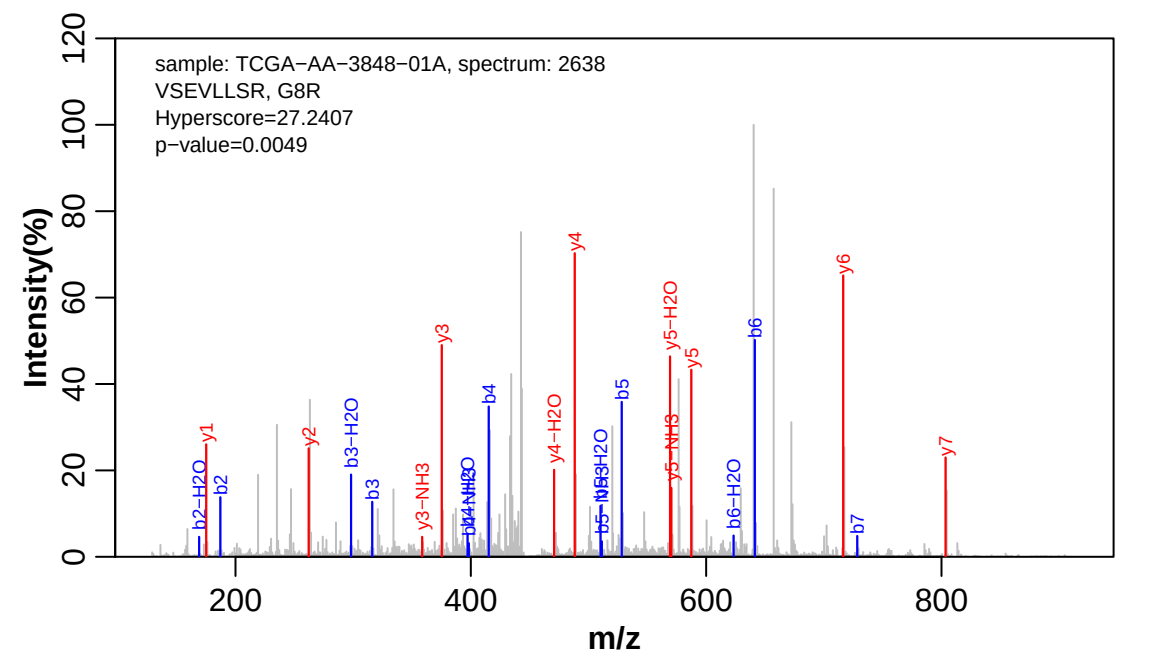

sample: TCGA−AA−3848−01A, spectrum: 30425
VELFFKDDANNDPQWCEEQLLAAK, S16C
Hyperscore=35.6861
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
b4
y9++
b5
y10++
y7
b14++−NH3
b7−H2O
b16++
y9
y19++−NH3
y10
b11
b21++−NH3
b22++
b12
b12−NH3
b13−NH3

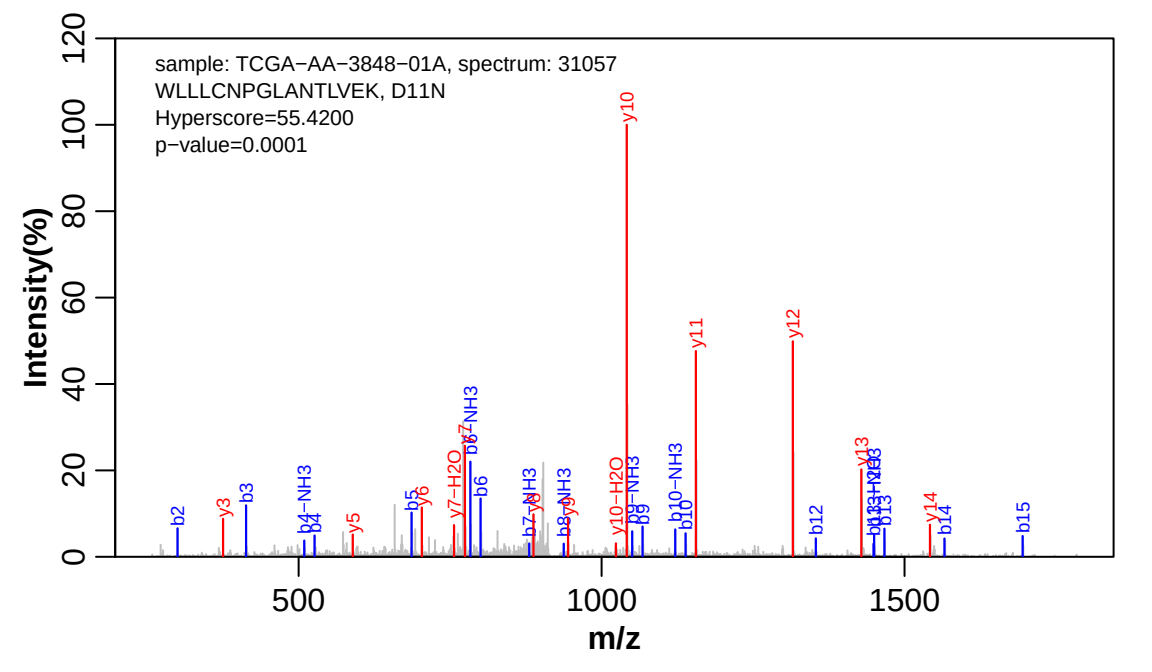

sample: TCGA−AA−3848−01A, spectrum: 85716
VFSVAELQAR, S9A
Hyperscore=28.6708
p−value=0.0002
Intensity(%)
m/z
y1
y2
b2
b3−H2O
b3
y3
b4−H2O
b4
b5−NH3
b5
b6−NH3
b6
y6
b7−H2O
b7
y7
b8−H2O
b8
y8
b9

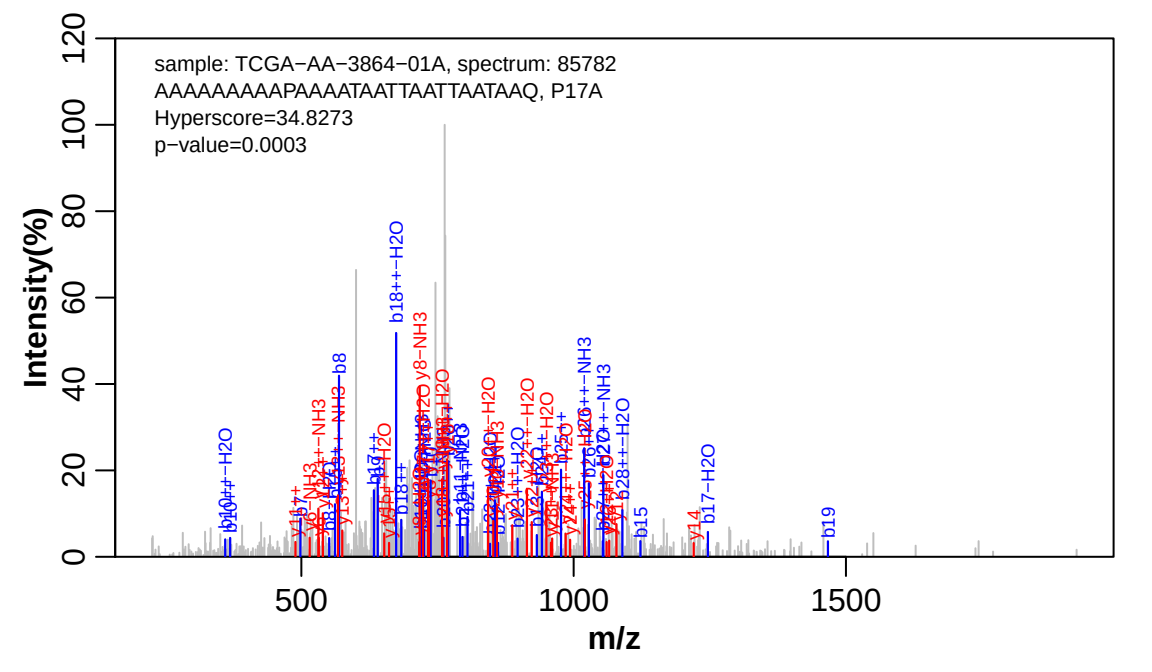

sample: TCGA−AA−3848−01A, spectrum: 146312
VPLASQGLGPGSTVLLVVDKCDEPLNLLVR, S26N
Hyperscore=60.1352
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y22++
y21++
y24++
y26++
y27++
y23++
y10
y25++
y8
y9
b21++−H2O
b13++−H2O
b14++−H2O
b11++
b7
b22++
y20++
y22++−H2O
y26++−H2O
y11−NH3−H2O
b17

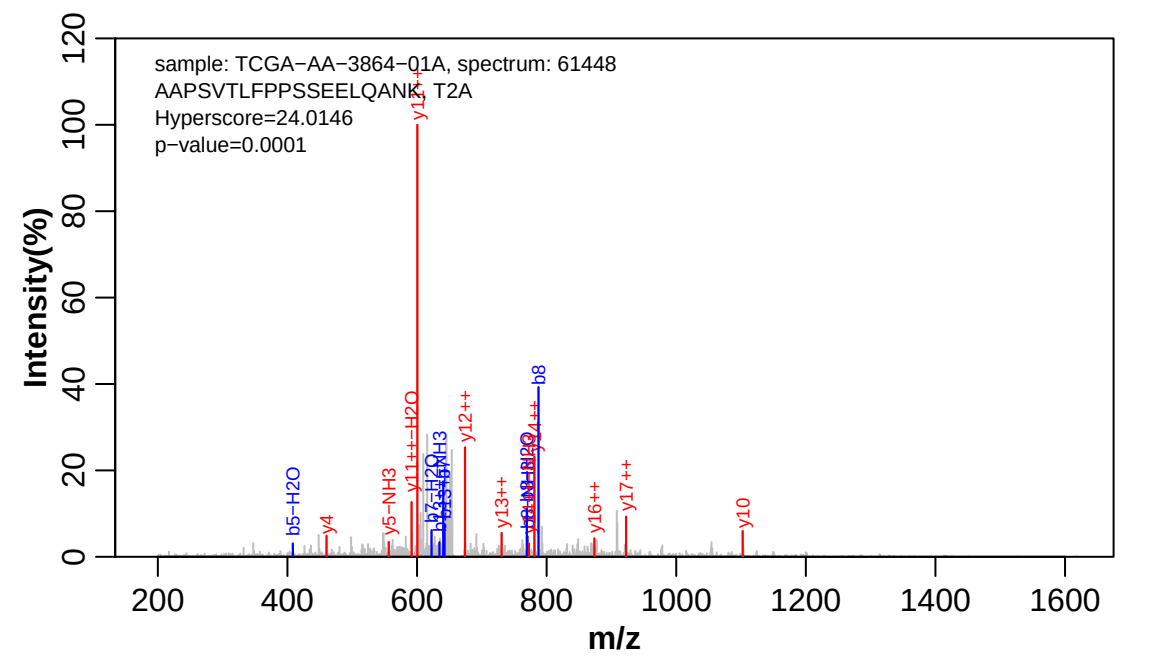

sample: TCGA−AA−3848−01A, spectrum: 68431
VPVTQATR, L3V
Hyperscore=17.1971
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
y1
b2
b3
b4
y4
y5
y6
y7

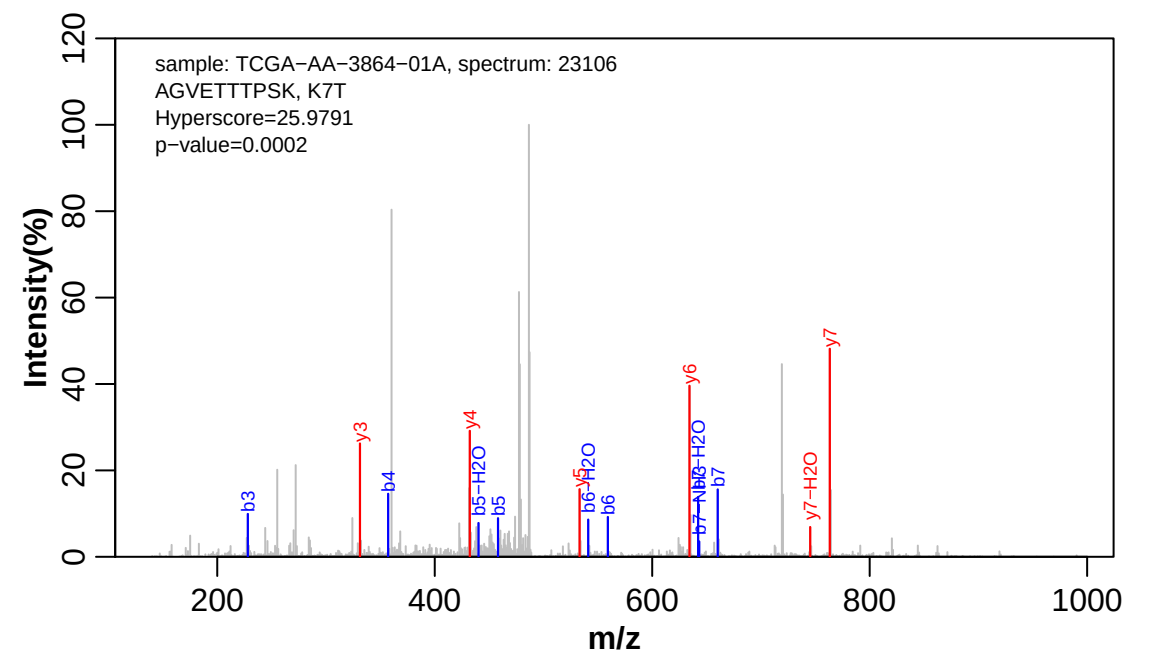

sample: TCGA−AA−3848−01A, spectrum: 123520
VQLPTESLQELLDLHR, T7S
Hyperscore=22.6128
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
y3
y4
y5
y6
b8
y7
b9
y8
b10
y9
y10
b11
b12
b13
y13
b14
y14
b15

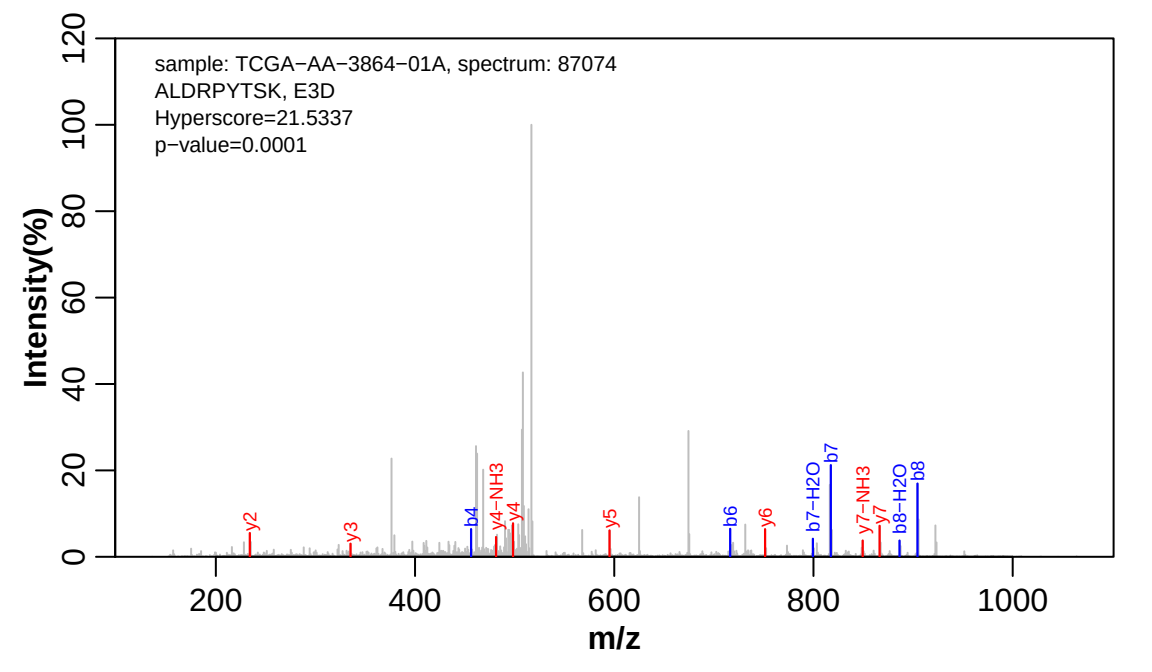

sample: TCGA−AA−3848−01A, spectrum: 2638
VSEVLLSR, G8R
Hyperscore=27.2407
p−value=0.0049
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2−H2O
b2
y2
b3−H2O
b3
y3
y3−NH3
b4
y4
y4−H2O
b5
y5−H2O
y5
y5−NH3
b6
b6−H2O
y6
b7
y7

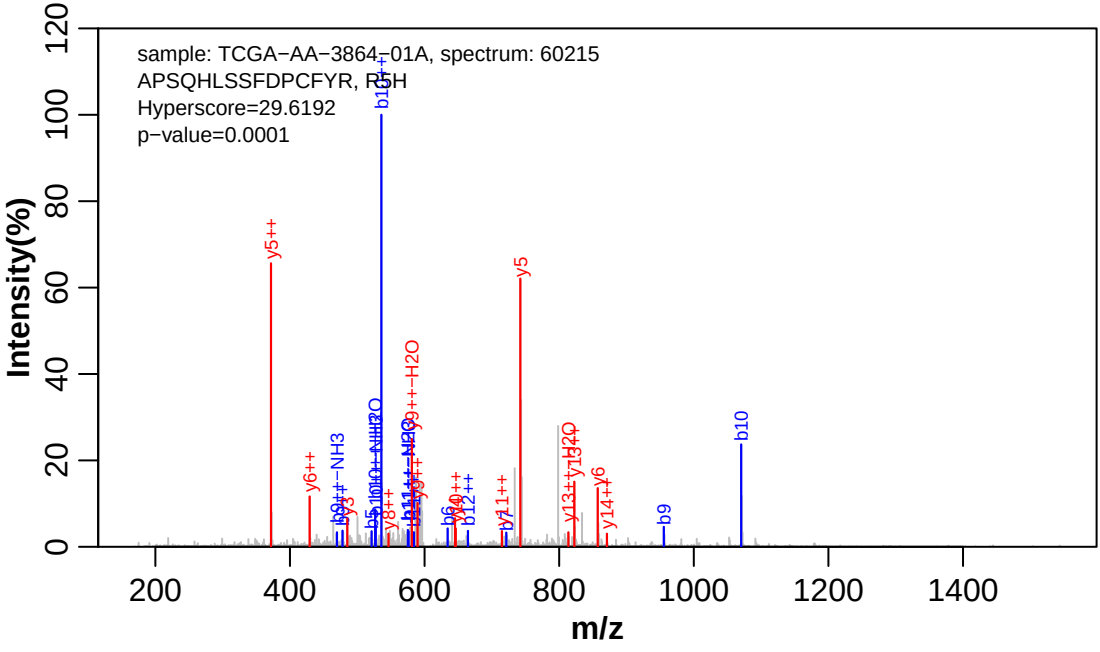

sample: TCGA−AA−3848−01A, spectrum: 31057
WLLLCNPGLANTLVEK, D11N
Hyperscore=55.4200
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3
b4−NH3
b4
y5
b5
y6
y7−H2O
b6
b7−NH3
b7
b7−NH3
b8−NH3
y8
y10−H2O
b9−NH3
b9
b10−NH3
b10
y11
y12
b12
y13
b13
y14
b14
b15

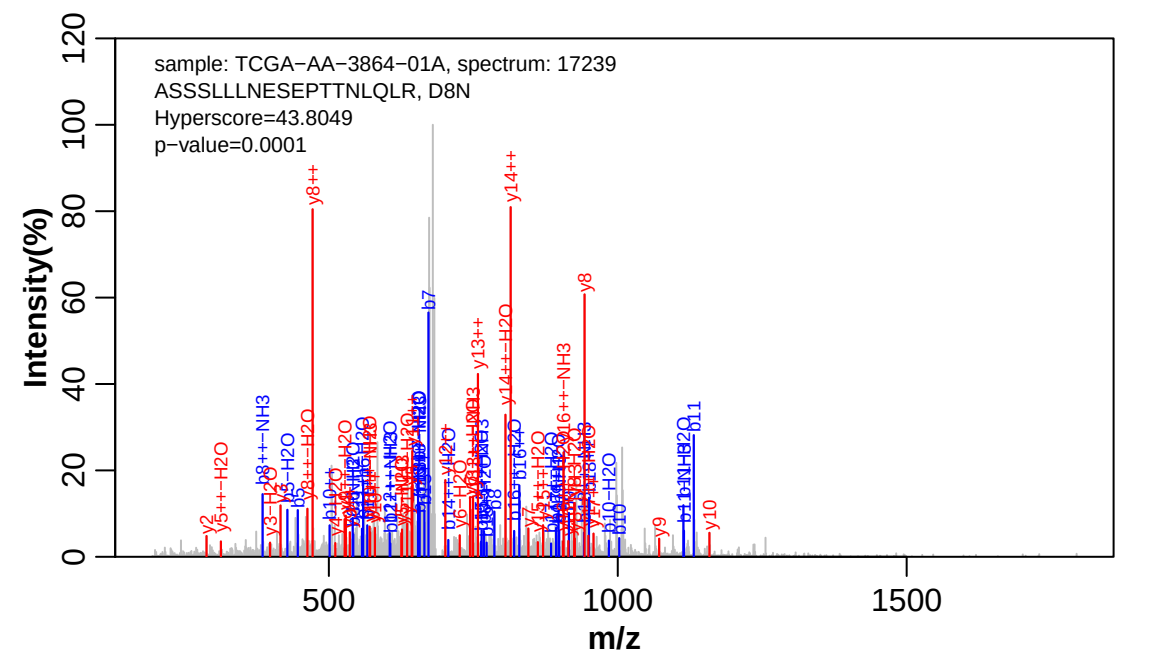

sample: TCGA−AA−3864−01A, spectrum: 85782
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=34.8273
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b10++−H2O
b18++−H2O
y8−NH3
b19
b17−H2O
b15
y14

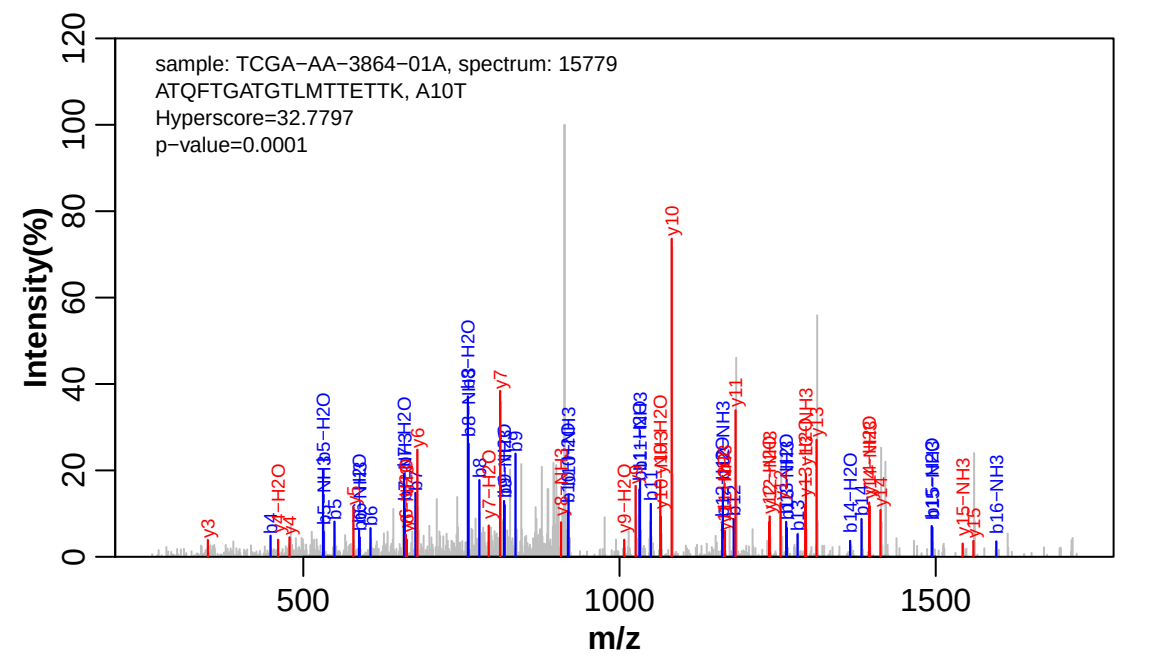

sample: TCGA−AA−3864−01A, spectrum: 61448
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=24.0146
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y12++
b5−H2O
y4
y5−NH3
y11++−H2O
b7−H2O
b7−NH3
y12++
y13++
b8
y14++
y16++
y17++
y10

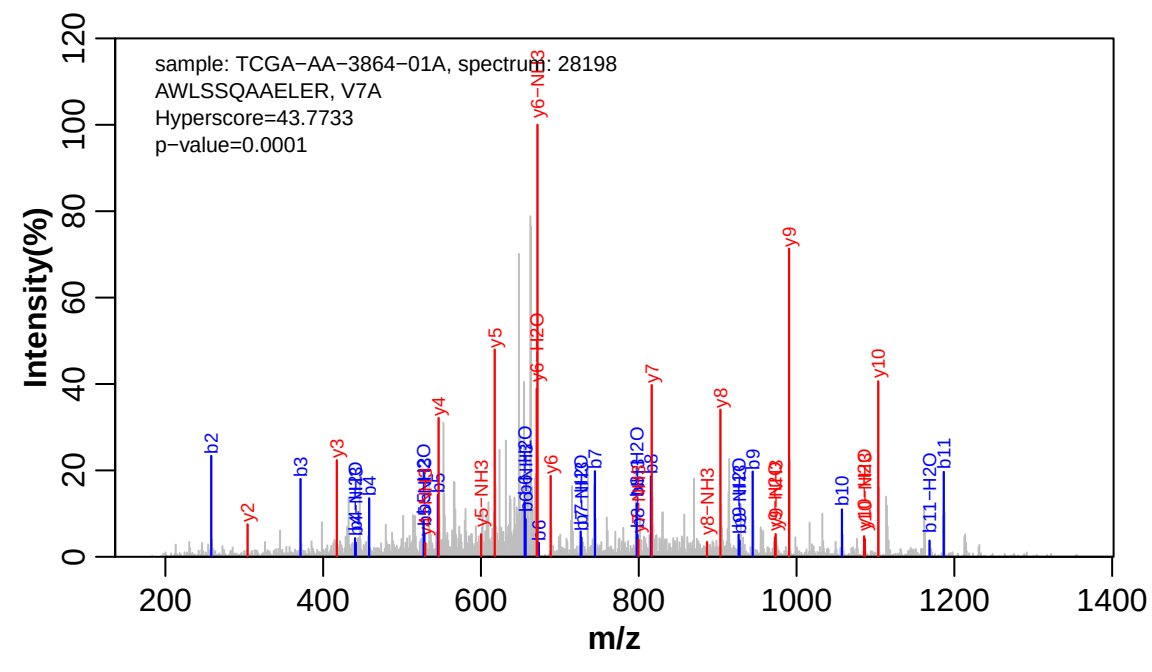

sample: TCGA−AA−3864−01A, spectrum: 23106
AGVETTTPSK, K7T
Hyperscore=25.9791
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3−H2O
b7
y7
y7−H2O

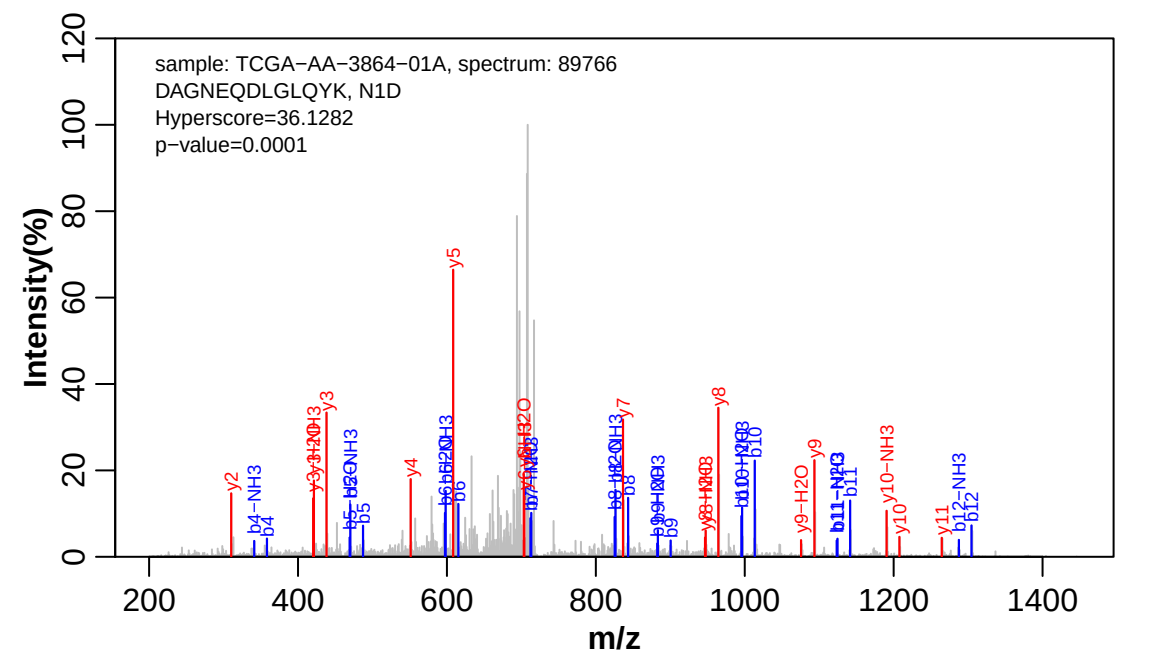

sample: TCGA−AA−3864−01A, spectrum: 87074
ALDRPYTSK, E3D
Hyperscore=21.5337
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y2
y3
b4
y4−NH3
y4
y5
b6
y6
b7−H2O
b7
y7−NH3
y7
b8−H2O
b8

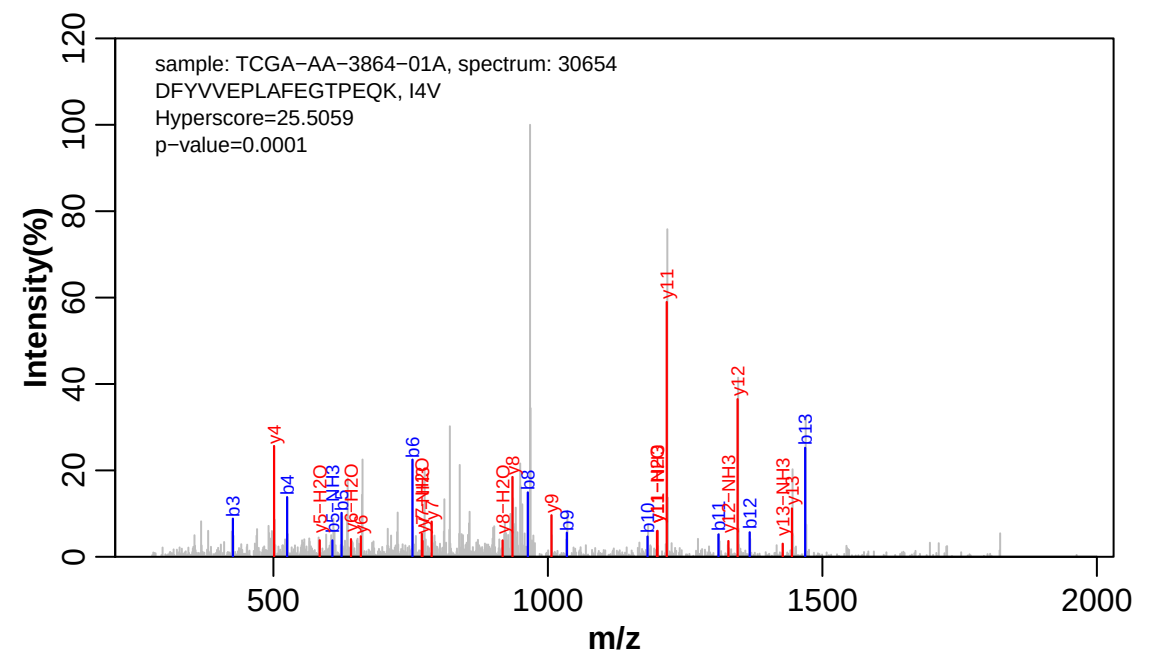

sample: TCGA−AA−3864−01A, spectrum: 60215
APSQHLSSFDPCFYR, RSH
Hyperscore=29.6192
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5++
b10++
y5
b10
y6++
y6
b9
b12++
y14++

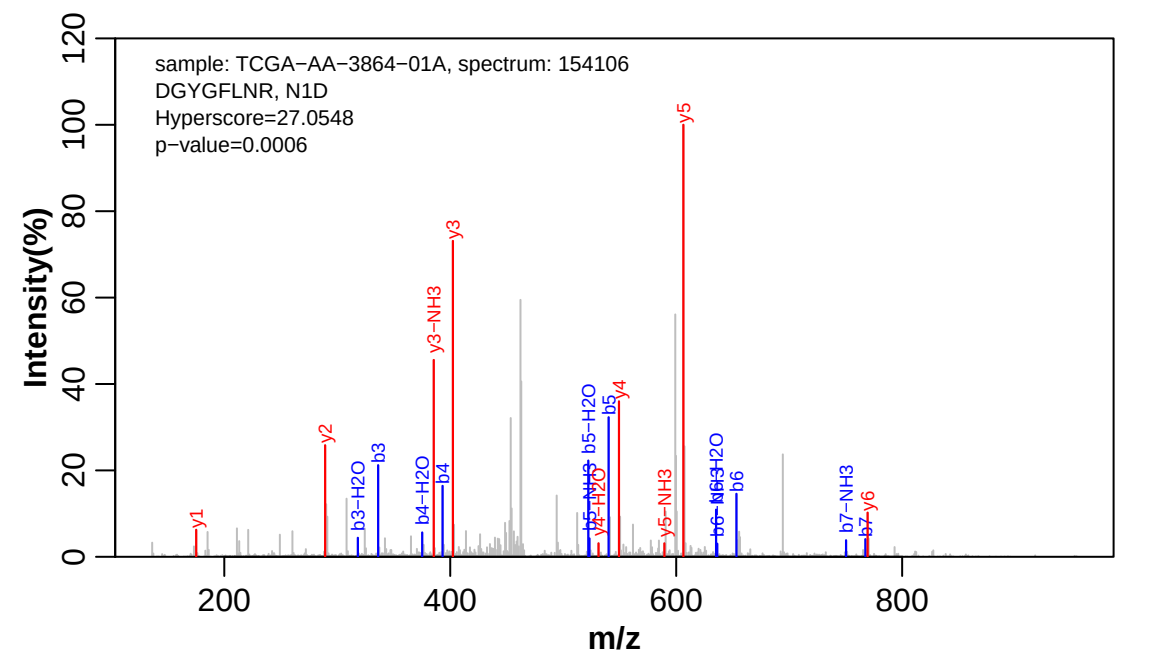

sample: TCGA−AA−3864−01A, spectrum: 17239
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=43.8049
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
b7
y14++
y8
y2
y5++−H2O
b8++−NH3
y3−H2O
b5
b3−H2O
y8++−H2O
y13++
y14++−H2O
b11
y10
y9
b10−H2O

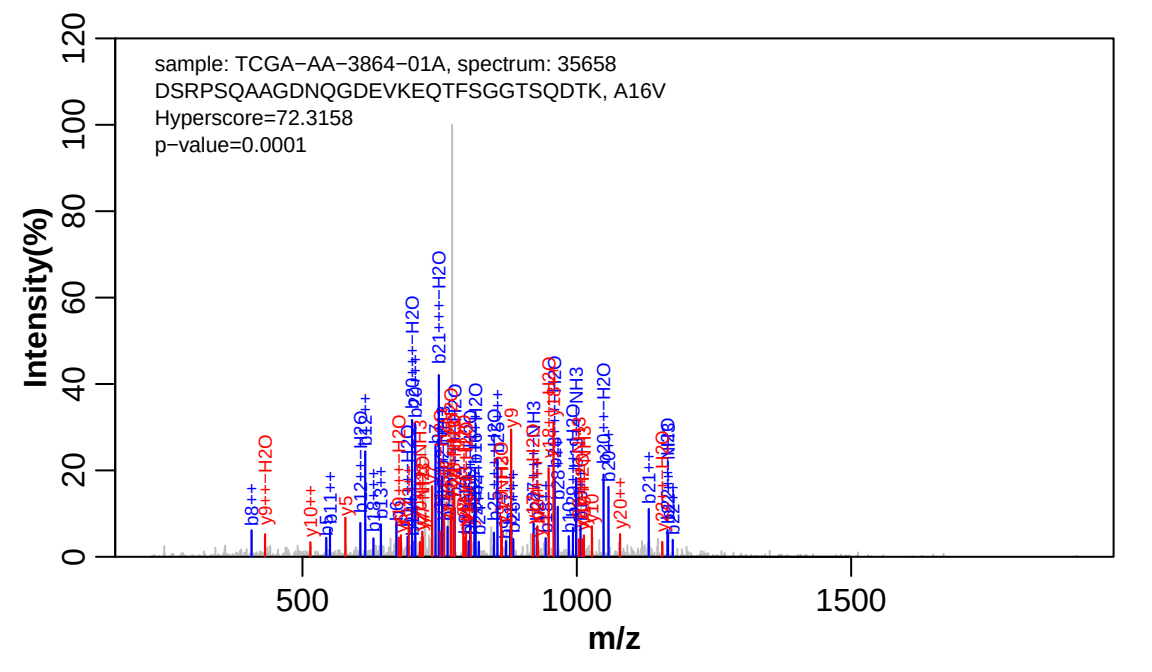

sample: TCGA−AA−3864−01A, spectrum: 15779
ATQFTGATGTLMTTETTK, A10T
Hyperscore=32.7797
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b4−H2O
y4
b5−NH3
b5−H2O
b6
y6
b8−NH3
b8−H2O
y7
y7−H2O
y8−NH3
y9−H2O
b11
y10
y11
b13
y13
b14−H2O
y14
b15−NH3
y15−NH3
b16−NH3

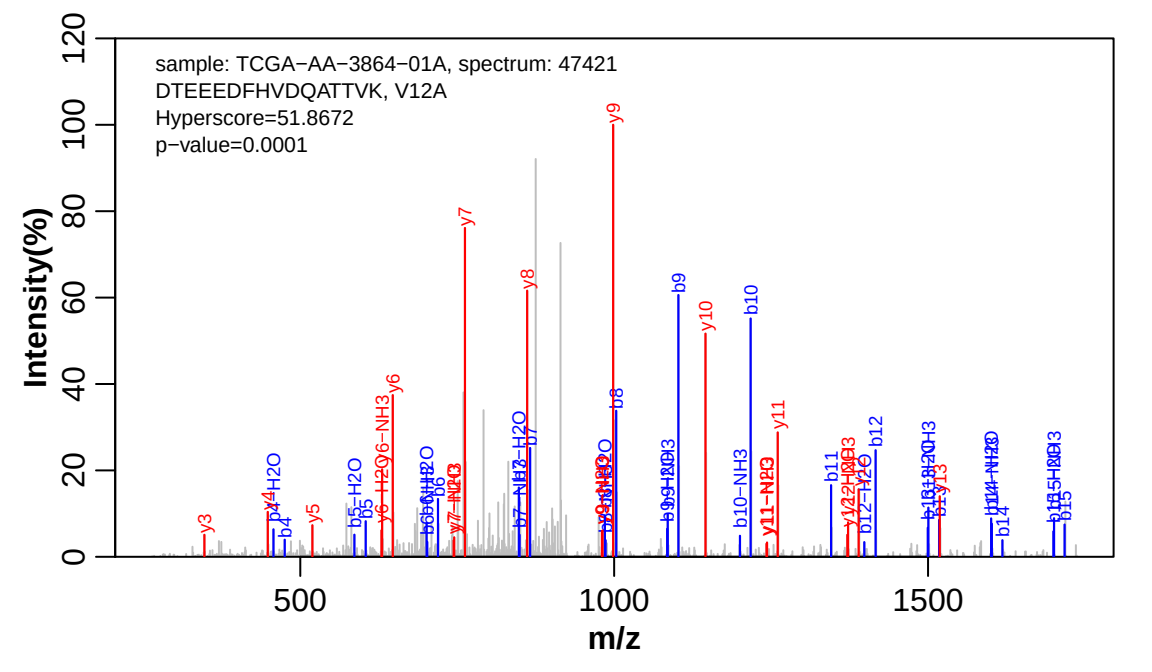

sample: TCGA−AA−3864−01A, spectrum: 28198
AWLSSQAAELER, V7A
Hyperscore=43.7733
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
y4
y5
y5−NH3
y6−NH3
y6−H2O
y6
b7
y7
y8
y8−NH3
y9
b10
y10
b11
b11−H2O

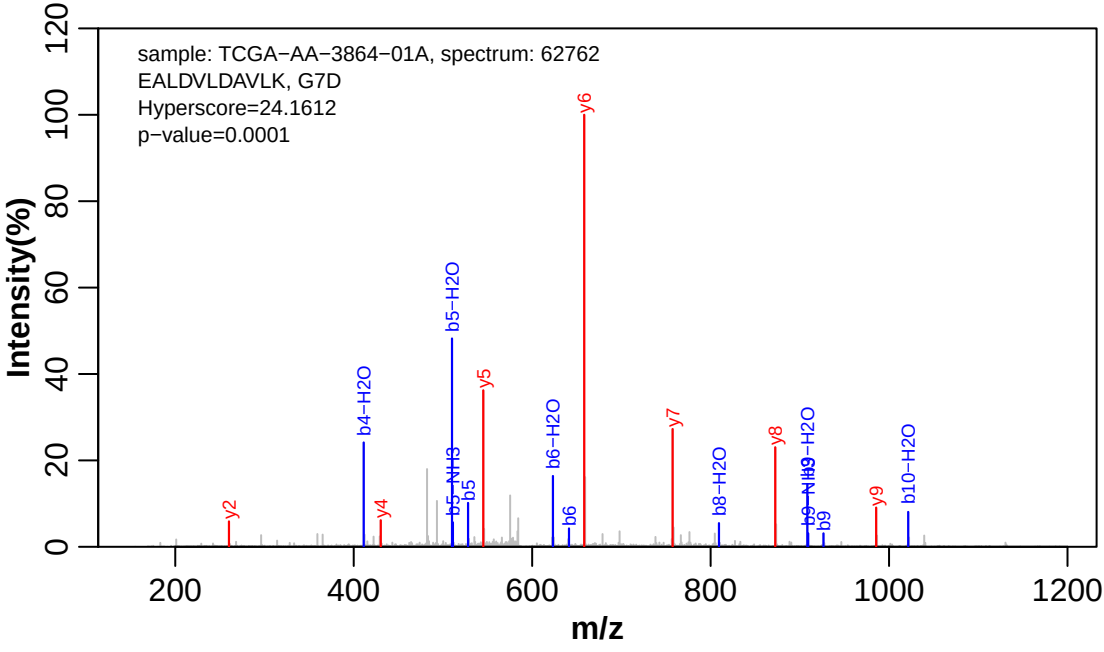

sample: TCGA−AA−3864−01A, spectrum: 89766
DAGNEQDLGLQYK, N1D
Hyperscore=36.1282
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−NH3
b4
y3
y5
y4
b6
y7
b8
y8
b10
y9
y9−H2O
b11
y10−NH3
y10
y11
b12−NH3
b12

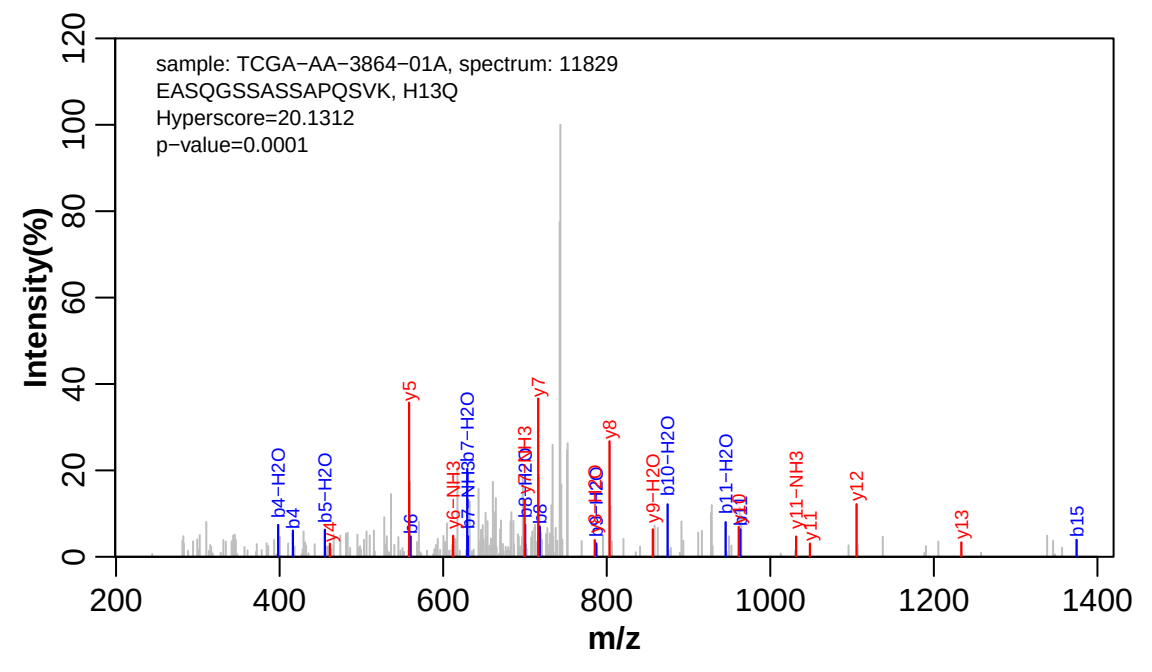

sample: TCGA−AA−3864−01A, spectrum: 30654
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=25.5059
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
y5−H2O
b5−NH3
b5
y6−H2O
y6
b6
y7−NH3
y7
y8−H2O
y8
b8
y9
b9
b10
y11−NH3
y11
y12−NH3
b11
y12
b12
y13−NH3
y13
b13

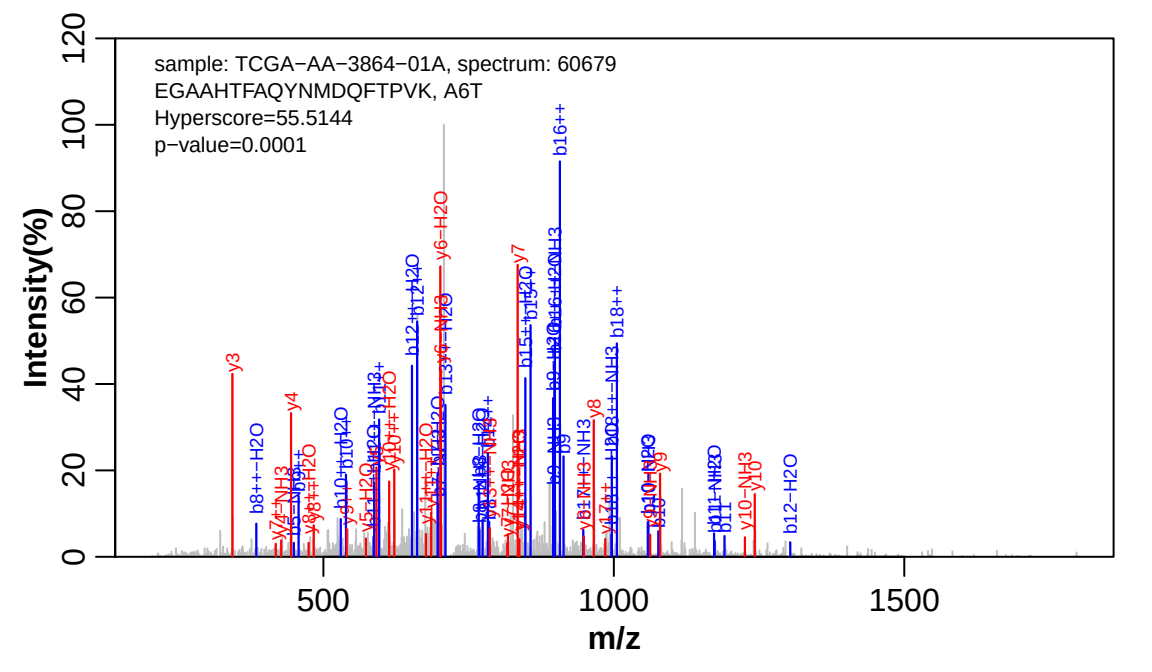

sample: TCGA−AA−3864−01A, spectrum: 154106
DGYGFLNR, N1D
Hyperscore=27.0548
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y4−H2O
y5−NH3
y5
b6−NH3
b6−H2O
b6
b7−NH3
b7
y6

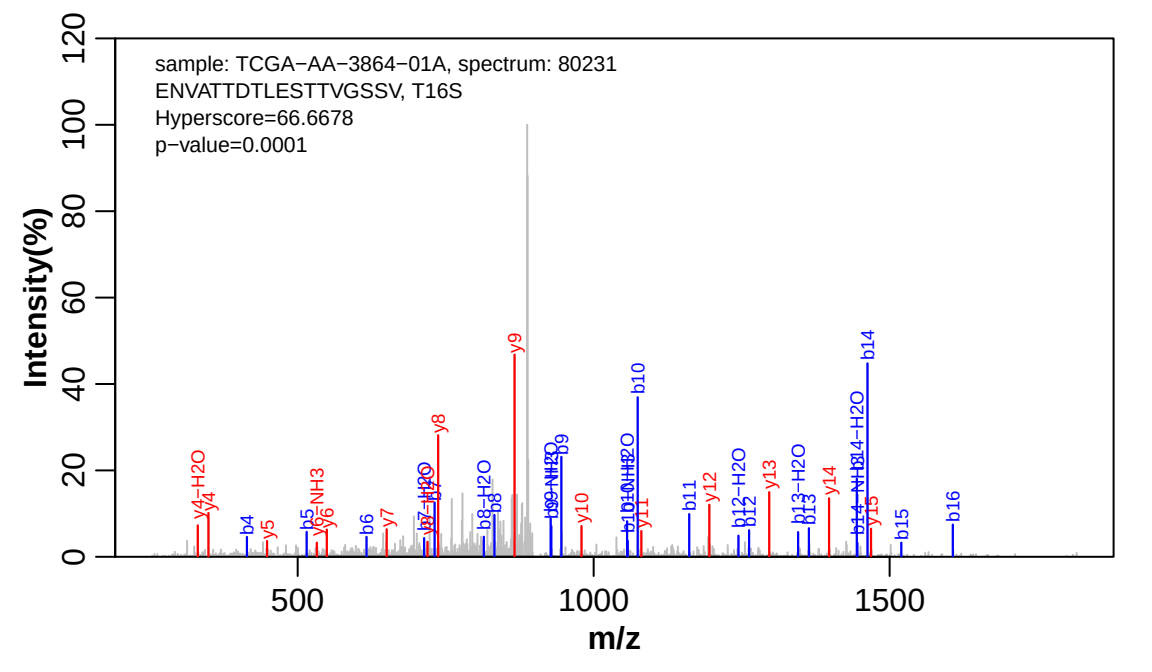

sample: TCGA−AA−3864−01A, spectrum: 35658
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=72.3158
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

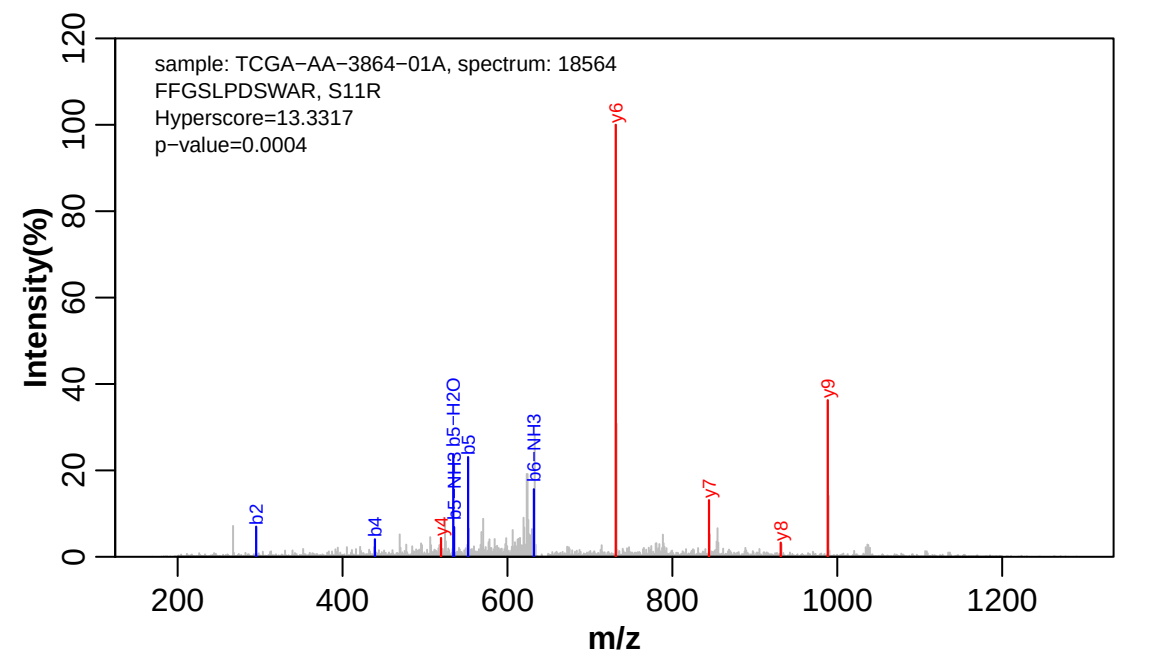

sample: TCGA−AA−3864−01A, spectrum: 47421
DTEEEDFHVDQATTVK, V12A
Hyperscore=51.8672
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b4
y4
y5
b5
y6
y6−H2O
y6−NH3
b6
b7
b7−NH3
b7−H2O
y7
y8
b8
b9
y10
b10
b10−NH3
y11
b11
b12
b14
b15
y9

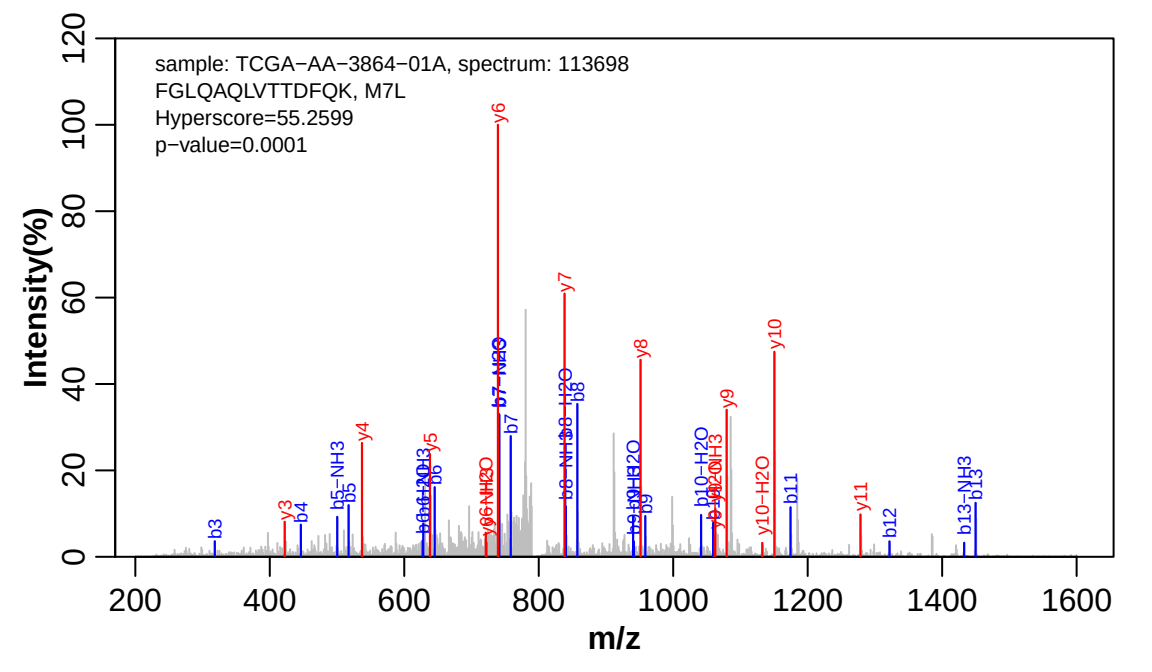

sample: TCGA−AA−3864−01A, spectrum: 62762
EALDVLDAVLK, G7D
Hyperscore=24.1612
p−value=0.0001
Intensity(%)
m/z
y6
b5−H2O
y5
b4−H2O
y7
b6−H2O
y8
b8−H2O
b10−H2O
y2
y4
b5−NH3
b5
b6
b9
y9

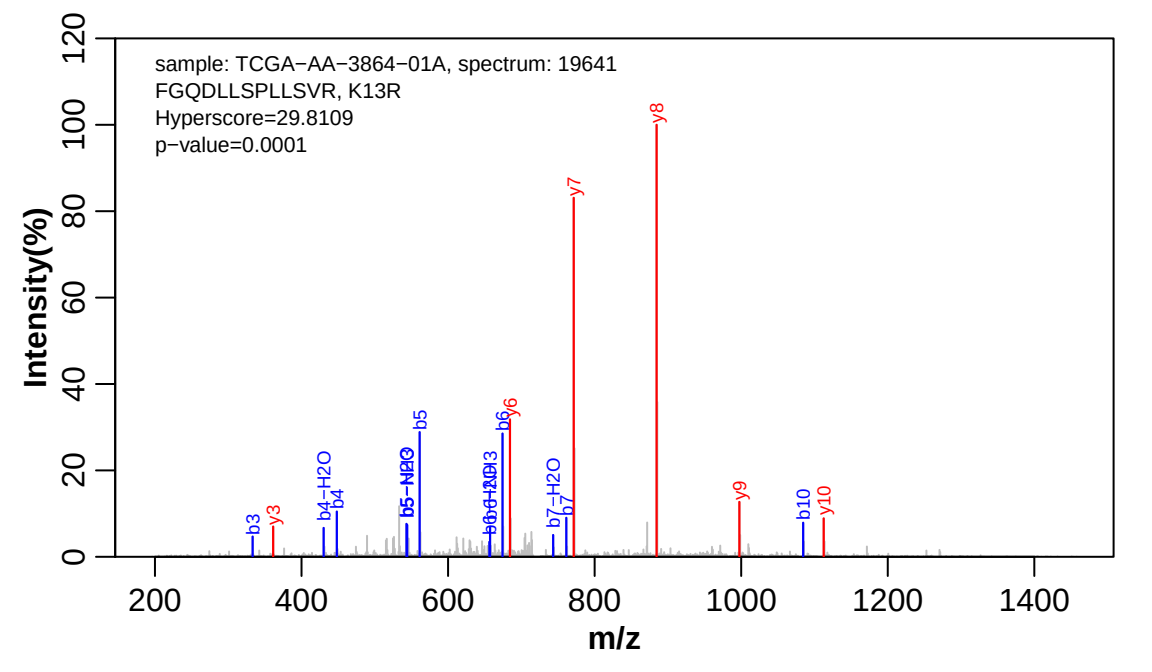

sample: TCGA−AA−3864−01A, spectrum: 11829
EASQGSSASSAPQSVK, H13Q
Hyperscore=20.1312
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4−H2O
b4
b5−H2O
y4
y5
b6
y6−NH3
b7−NH3
b7−H2O
y7
b8−H2O
y8
b9−H2O
y9−H2O
b10−H2O
b11−H2O
b10
y11−NH3
y11
y12
y13
b15

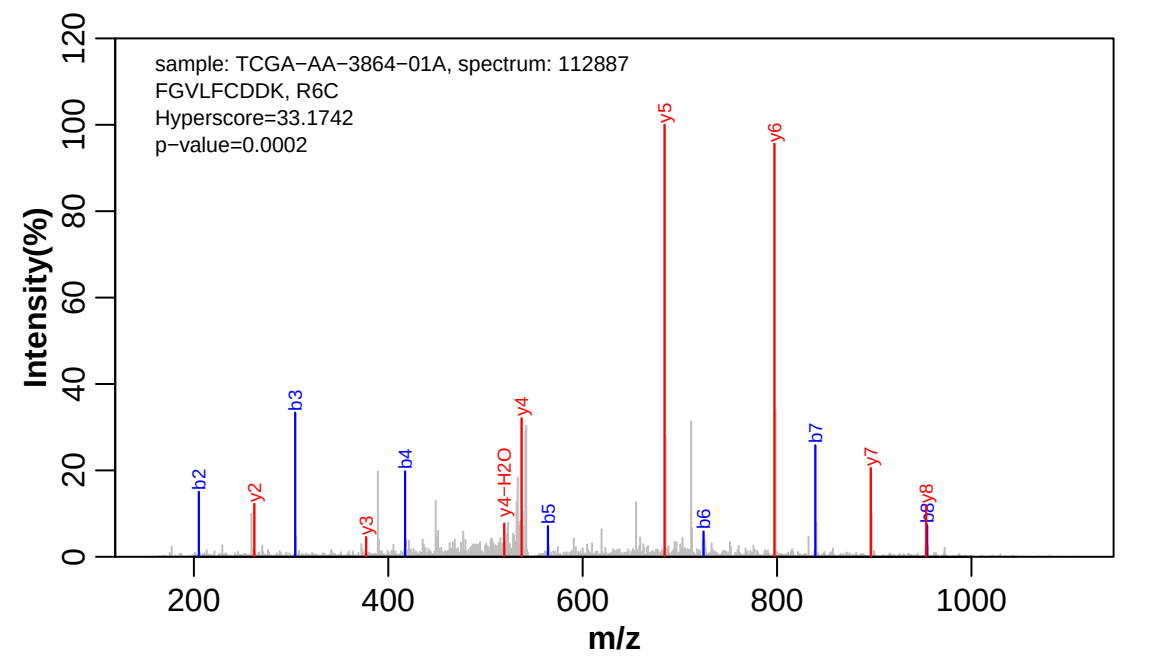

sample: TCGA−AA−3864−01A, spectrum: 60679
EGAAHTFAQYNMDQFTPVK, A6T
Hyperscore=55.5144
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
b8++−H2O
y7−NH3
b9++
y8++
y8++−H2O
b10−H2O
y9−H2O
b10++−H2O
y5−H2O
b11−H2O
y10++−H2O
b12+−H2O
y11++−H2O
b12++−H2O
y6−H2O
b13−H2O
b13++−H2O
b14++−H2O
b15+−H2O
y7
b15++−H2O
b16++
b16++−H2O
b16++−NH3
b18++
y8
y8−NH3
b9
y9
y10−NH3
b11−NH3
y10
b12−H2O

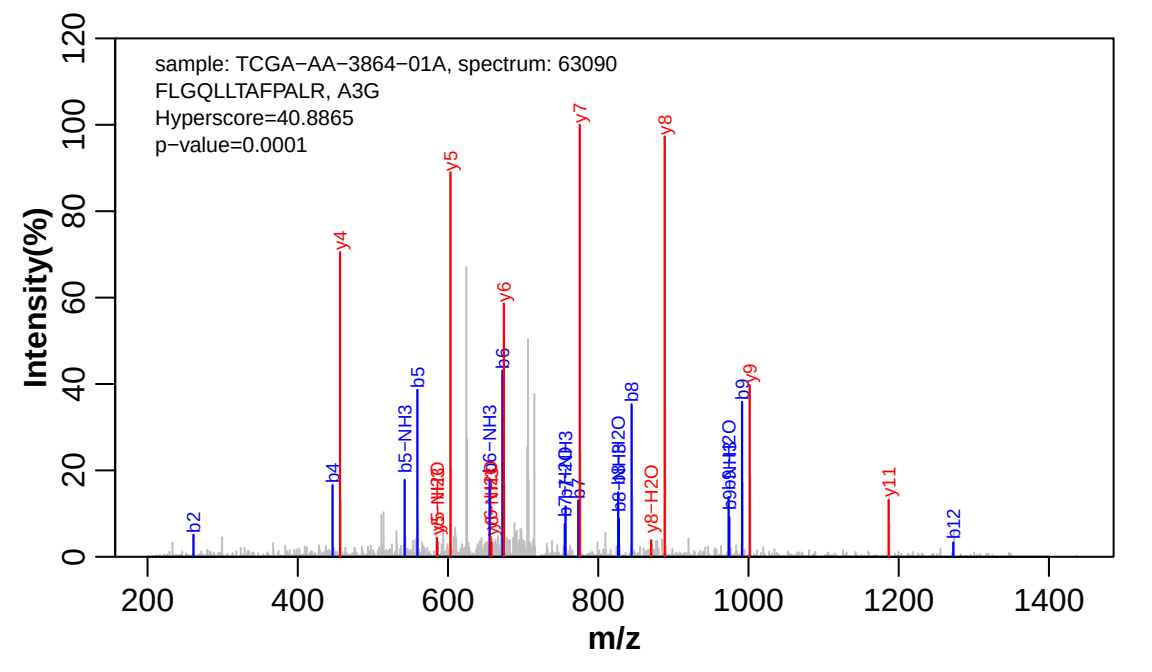

sample: TCGA−AA−3864−01A, spectrum: 80231
ENVATTDTLESTTVGSSV, T16S
Hyperscore=66.6678
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4−H2O
y4
b4
y5
b5
y6−NH3
y6
b6
y7
y7−H2O
y8
b8−H2O
b8
y9
b9−NH3
b9
y10
b10
y11
b11
y12
b12−H2O
b12
y13
b13−H2O
y14
b14−NH3
b14−H2O
b14
y15
b15
b16

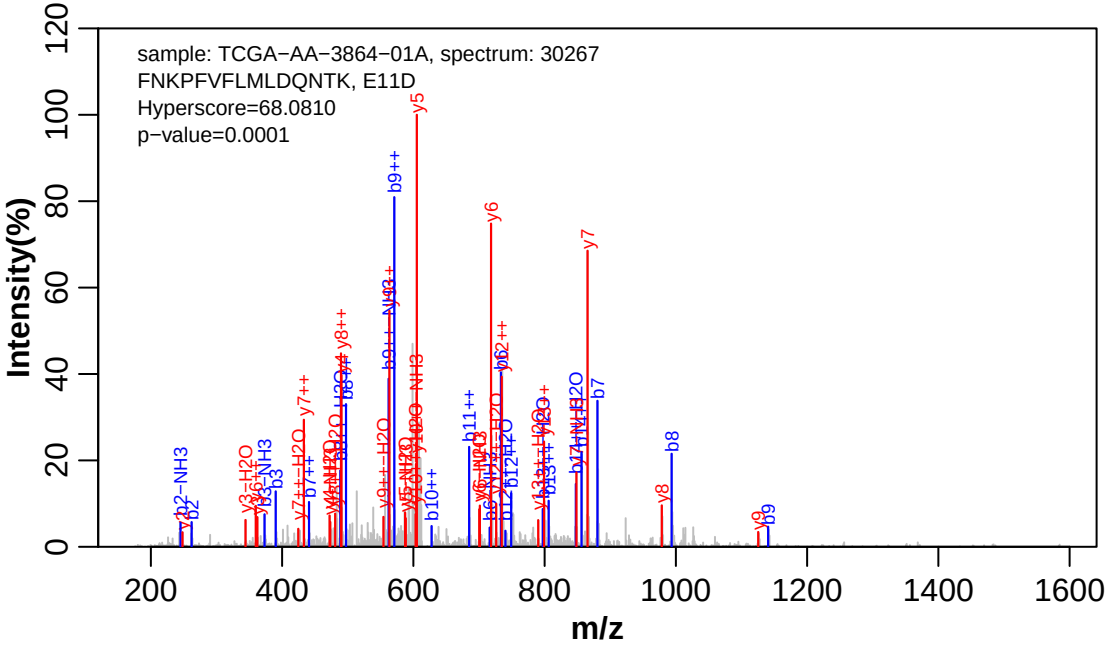

sample: TCGA−AA−3864−01A, spectrum: 18564
FFGSLPDSWAR, S11R
Hyperscore=13.3317
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

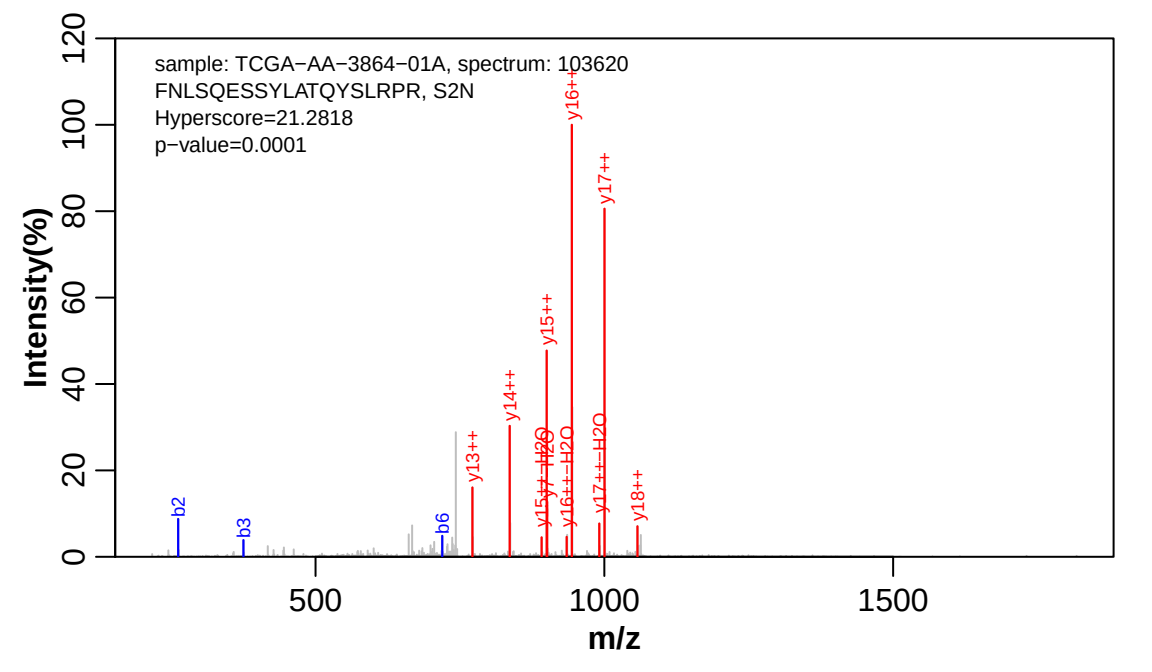

sample: TCGA−AA−3864−01A, spectrum: 113698
FGLQAQLVTTDFQK, M7L
Hyperscore=55.2599
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y8
y10
y9
y4
y5
y3
y11
y10−H2O
b3
b4
b5−NH3
b5
b6
b7
b7−NH3
b7−H2O
b8
b8−NH3
b8−H2O
b9
b9−NH3
b9−H2O
b10−H2O
b10−NH3
b11
b12
b13−NH3
b13

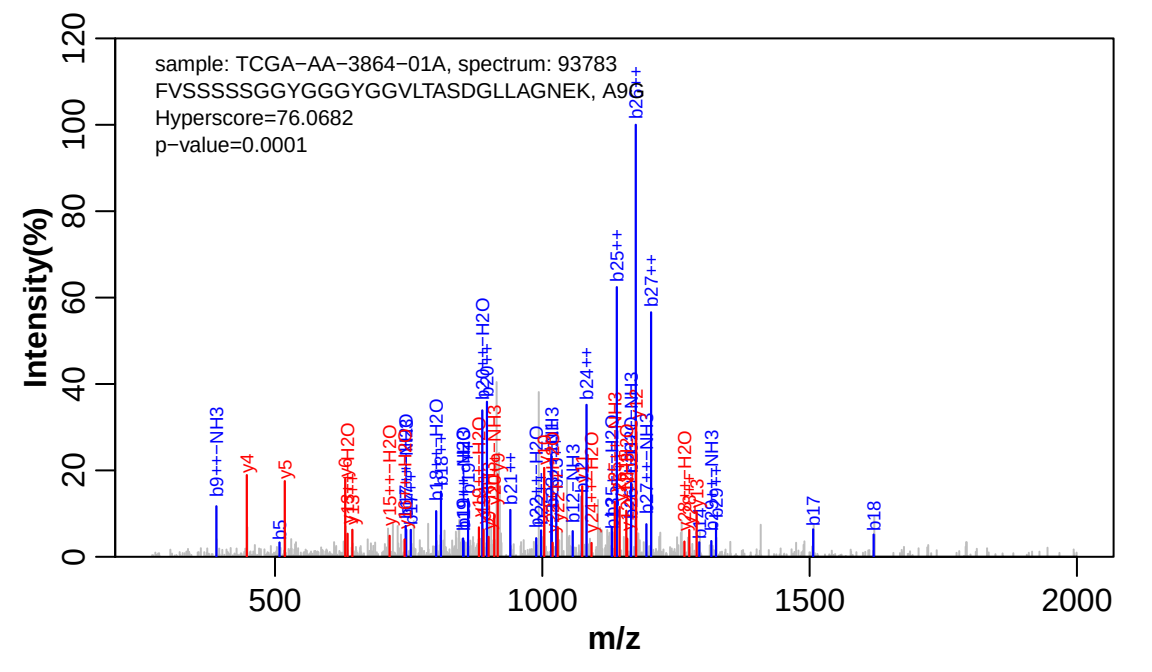

sample: TCGA−AA−3864−01A, spectrum: 19641
FGQDLLSPLLSVR, K13R
Hyperscore=29.8109
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5
y6
b6
b7−H2O
b7
y7
y8
y9
b10
y10

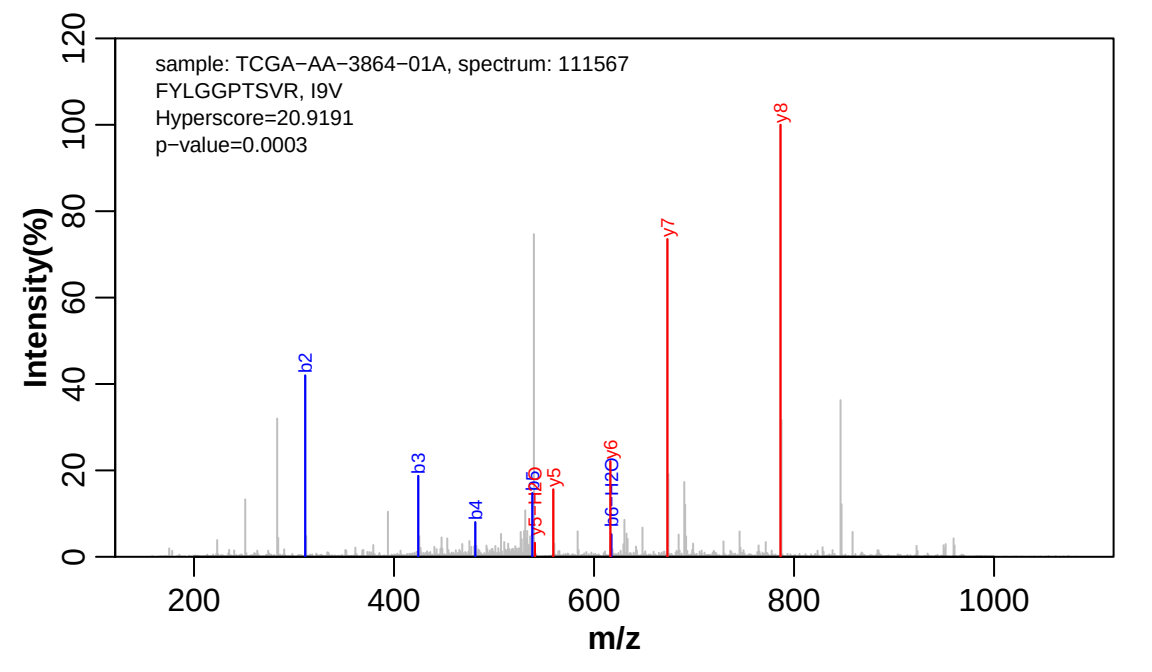

sample: TCGA−AA−3864−01A, spectrum: 112887
FGVLFCDDK, R6C
Hyperscore=33.1742
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
b3
y3
b4
y4−H2O
y4
b5
y5
b6
y6
b7
y7
b8
y8

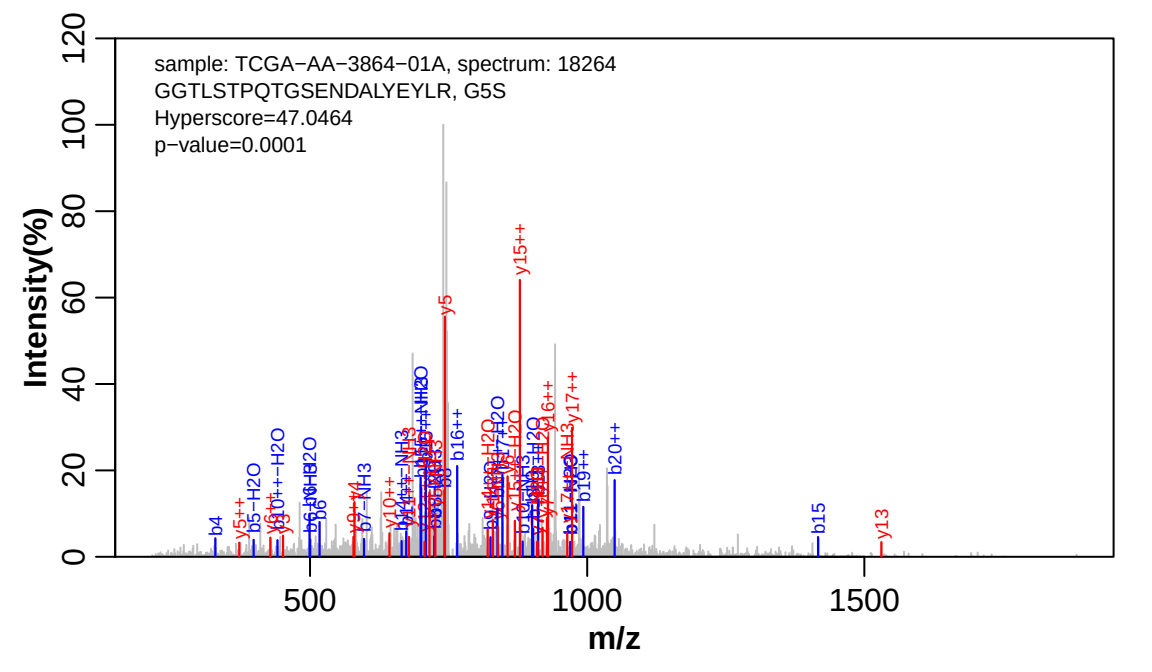

sample: TCGA−AA−3864−01A, spectrum: 63090
FLGQLLTAFPALR, A3G
Hyperscore=40.8865
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b4
b5
b5−NH3
b6
b6−NH3
b7
b8
b8−H2O
b9
b9−H2O
b12
y4
y5
y6
y7
y8
y8−H2O
y9
y11

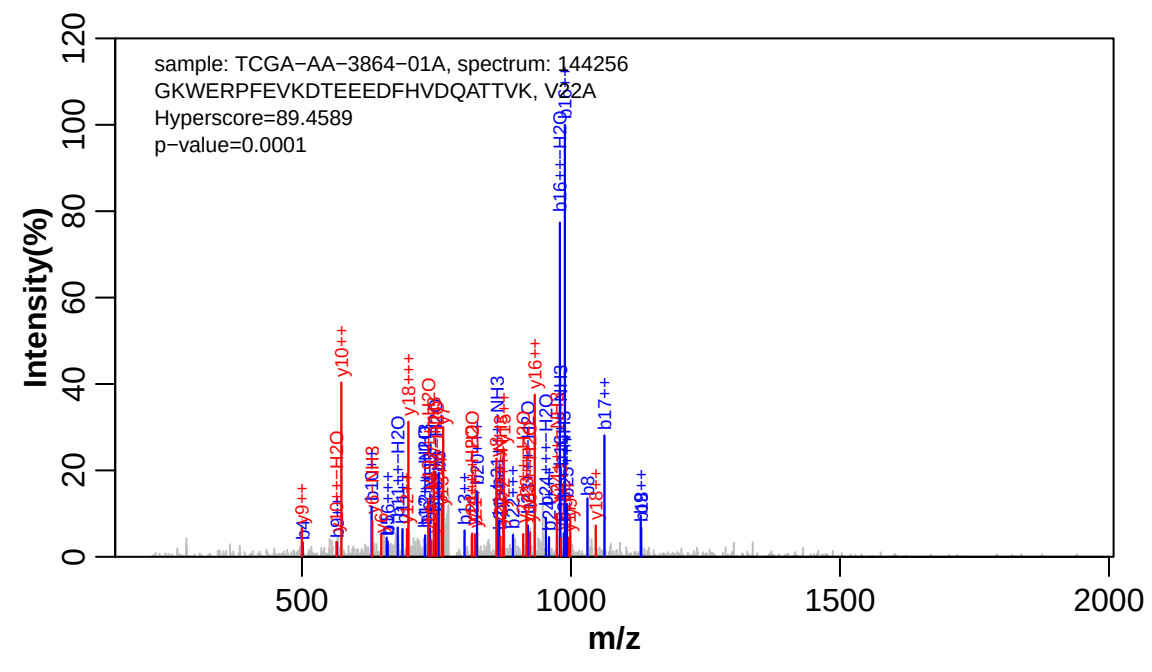

sample: TCGA−AA−3864−01A, spectrum: 30267
FNKPFVFLMLDQNTK, E11D
Hyperscore=68.0810
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
b9++
y6
y7
b7
b8
y8
y9
b9
b2
b3
y7++
b10++
b11++
b6++
y8++

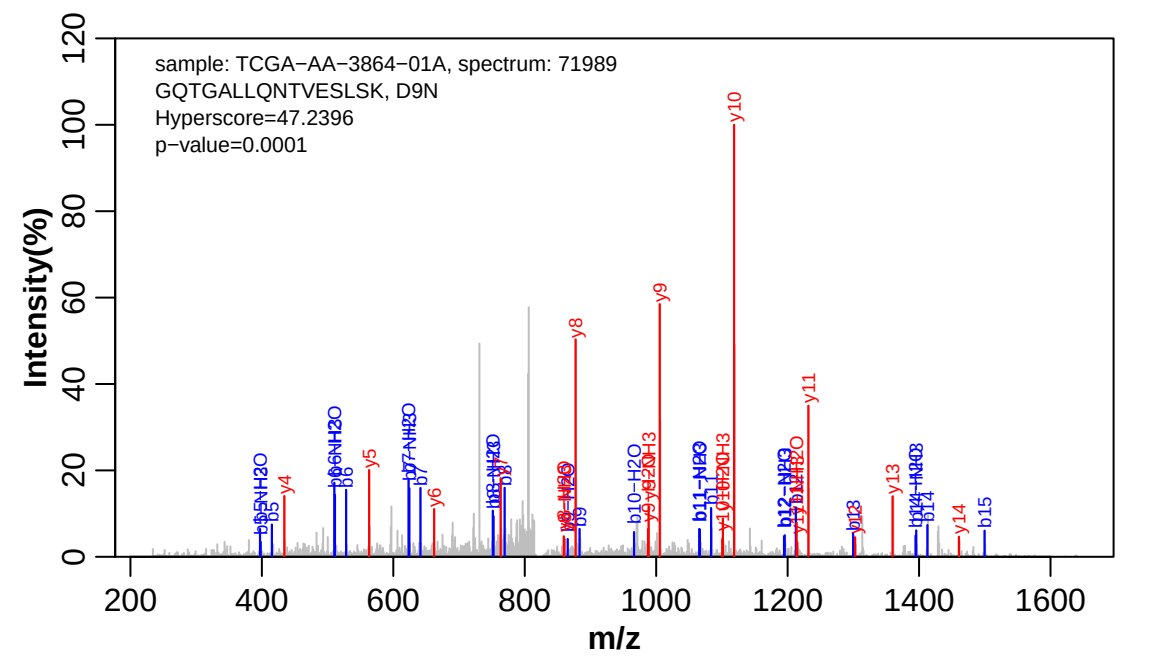

sample: TCGA−AA−3864−01A, spectrum: 103620
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=21.2818
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
b3
b6
y13++
y14++
y15++
y15++−H2O
y16++
y16++−H2O
y17++
y17++−H2O
y18++

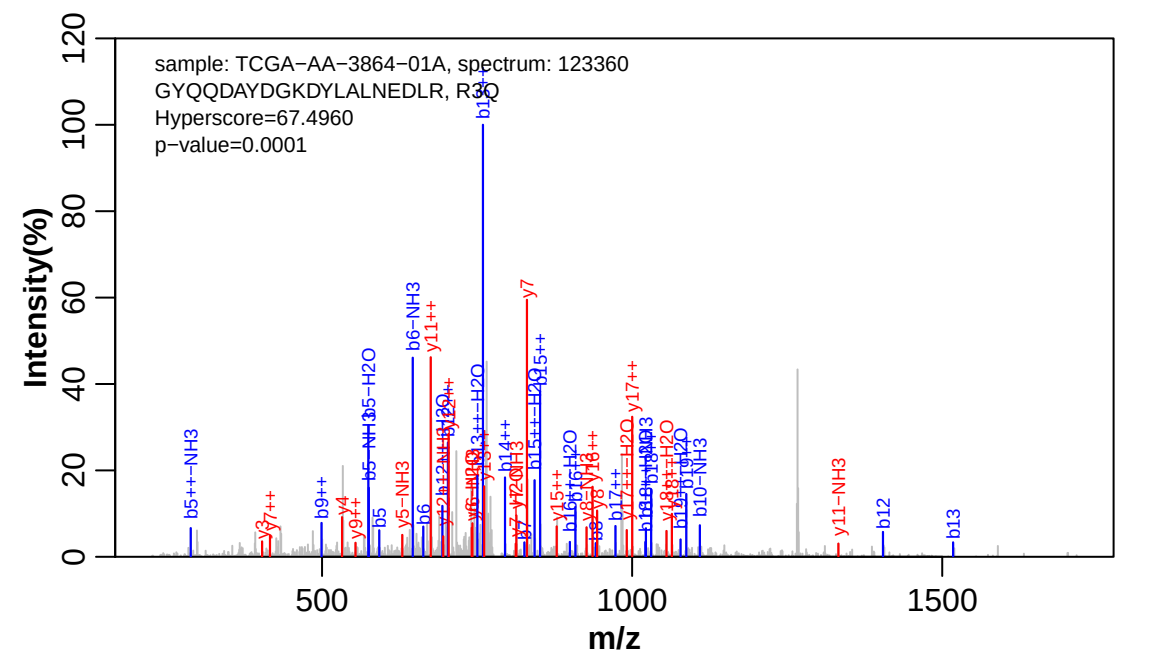

sample: TCGA−AA−3864−01A, spectrum: 93783
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=76.0682
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
b5
b18++−H2O
b21++
b20++−H2O
b24++
b25++
b27++
b26++
b17
b18

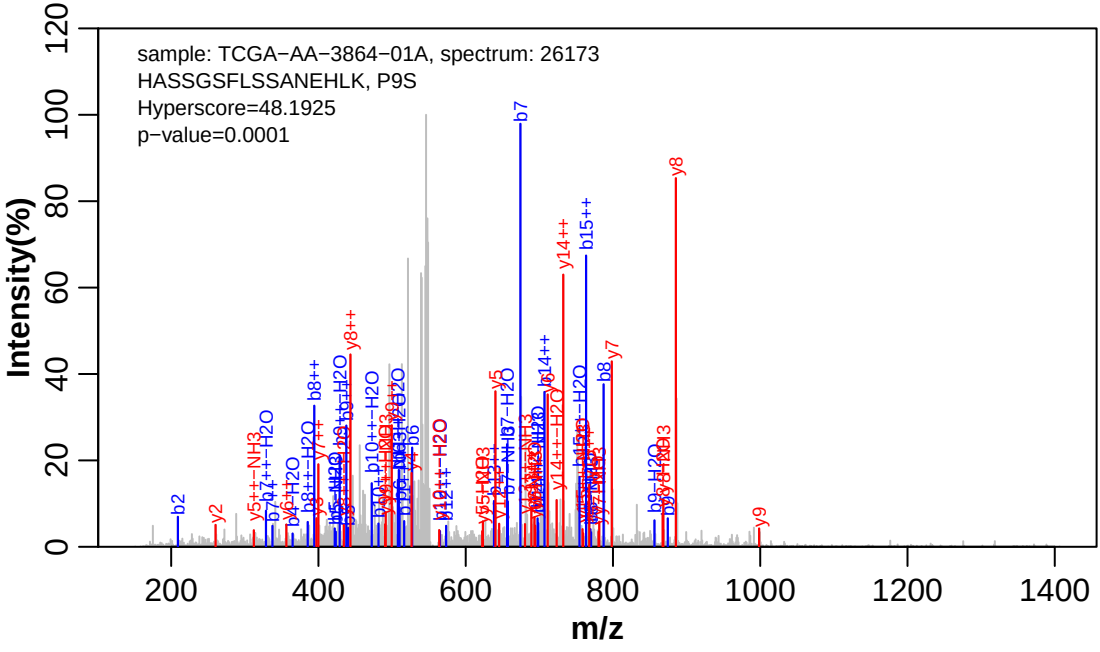

sample: TCGA−AA−3864−01A, spectrum: 111567
FYLGGPTSVR, I9V
Hyperscore=20.9191
p−value=0.0003
Intensity(%)
m/z
b2
b3
b4
y5
y6
y7
y8

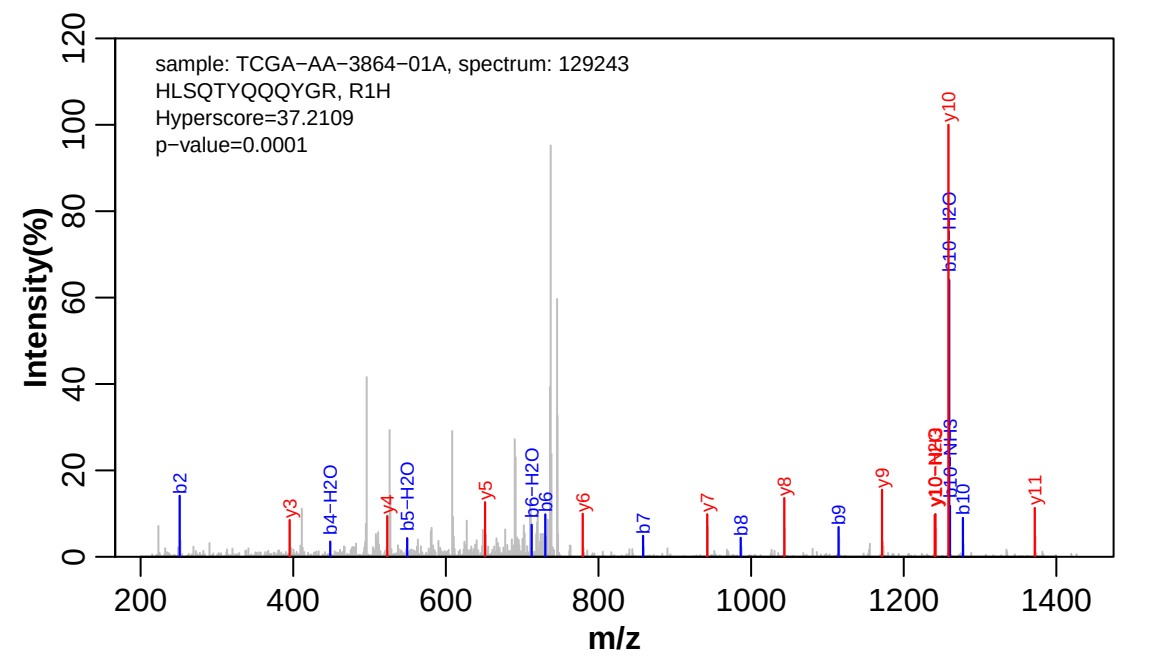

sample: TCGA−AA−3864−01A, spectrum: 18264
GGTLSTPQTGSENDALYEYLR, G5S
Hyperscore=47.0464
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y5++
b5−H2O
y8++−H2O
b6−H2O
b8
b7−NH3
y9++
y10++
b14++−NH3
y5
b16++
y15++
y16++
y17++
b19++
b20++
b15
y13

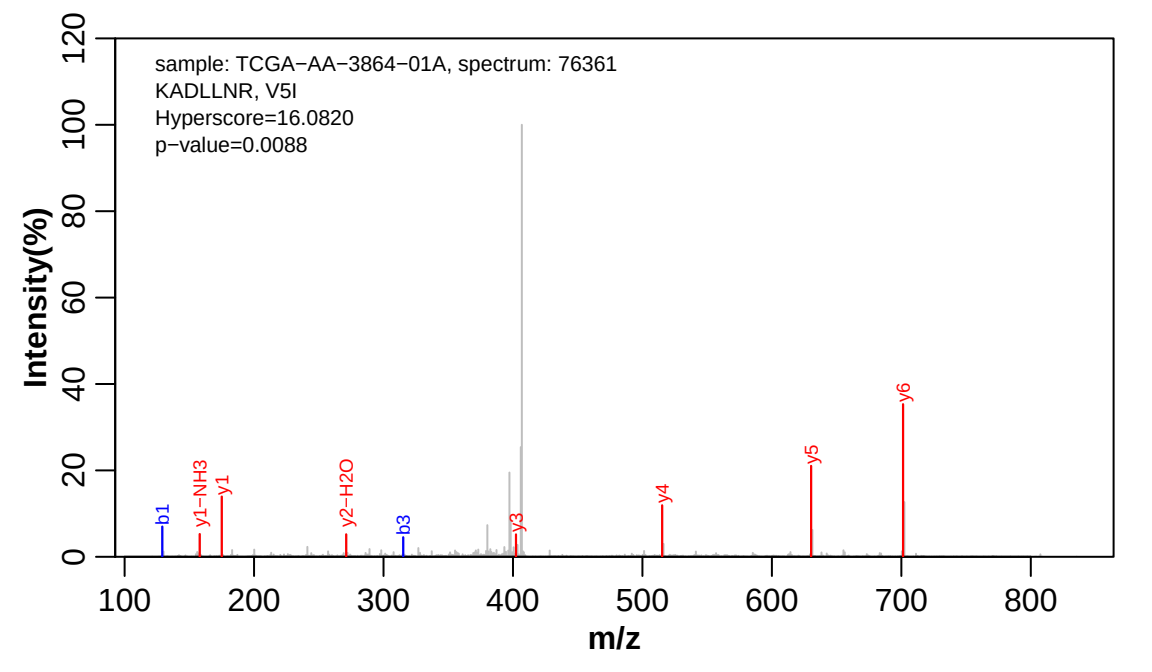

sample: TCGA−AA−3864−01A, spectrum: 144256
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=89.4589
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
b16++−H2O
y10++
y18+++
y16++
b17++
b4/9++
b10++−H2O
y6/10+H3
y6/10+H8
b6++
b11++−H2O
b12++
b20++−H2O
b13++
b8+
y18++
b19++

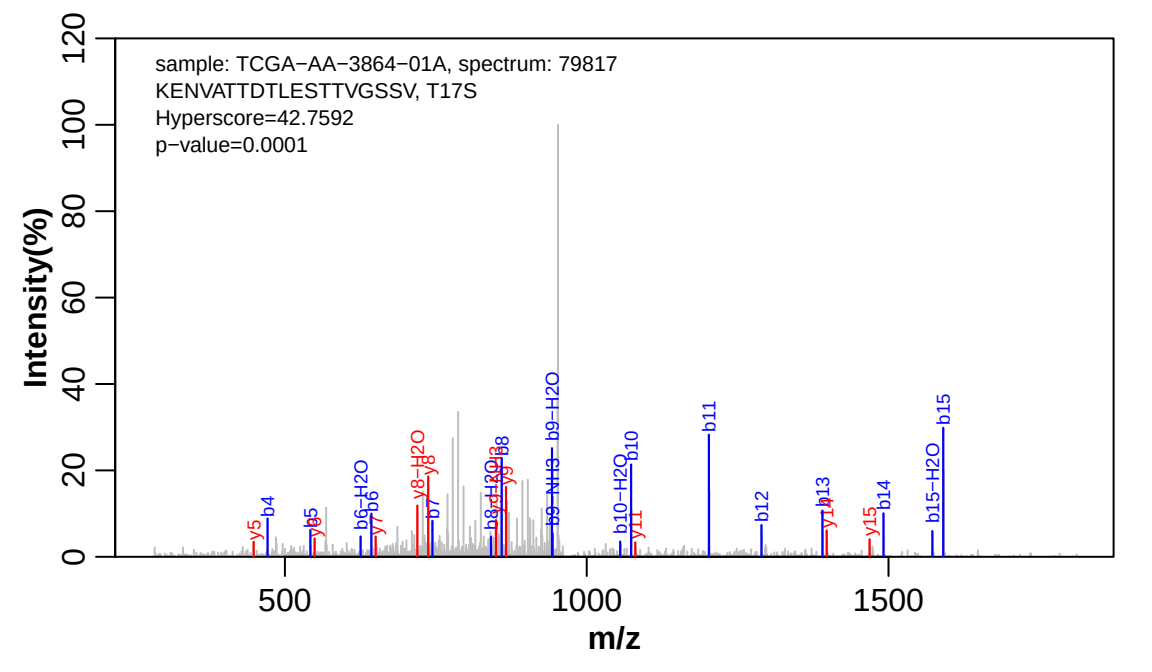

sample: TCGA−AA−3864−01A, spectrum: 71989
GQTGALLQNTVESLSK, D9N
Hyperscore=47.2396
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y5
y6
y4
y13
y14
b15

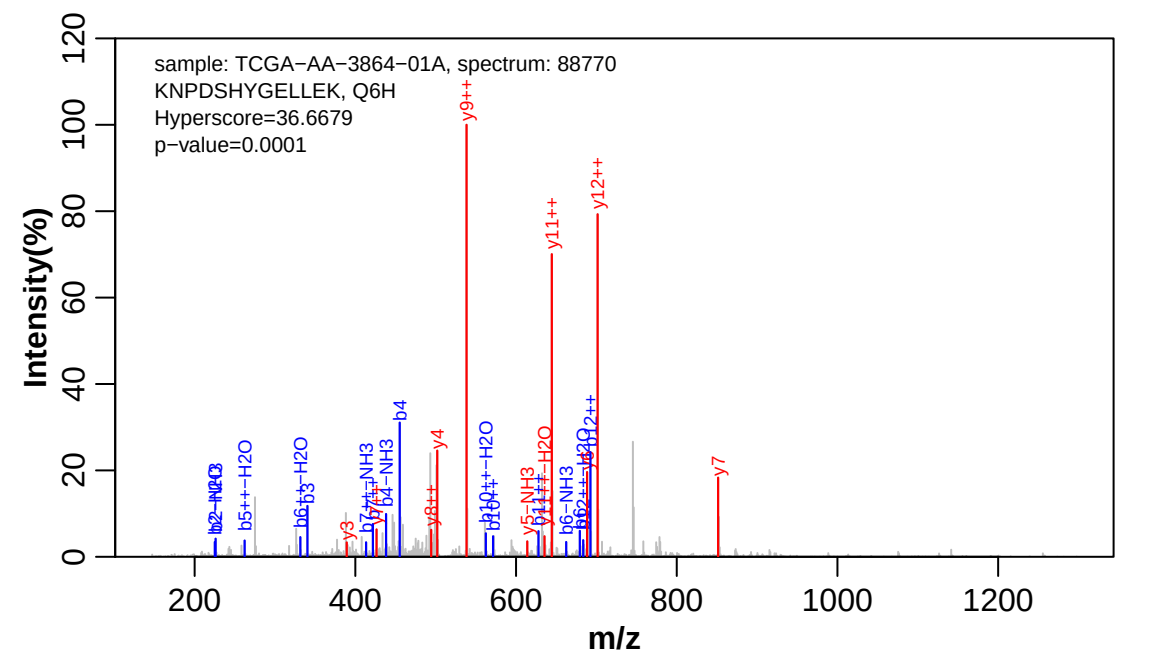

sample: TCGA−AA−3864−01A, spectrum: 123360
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=67.4960
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5++−NH3
y3
y7++
b9++
y4
y9++
b5
b5−NH3
b5−H2O
y5−NH3
b6
b6−NH3
y11++
b10++
y7
y15++
b14++
y17++
b10−NH3
y11−NH3
b12
b13

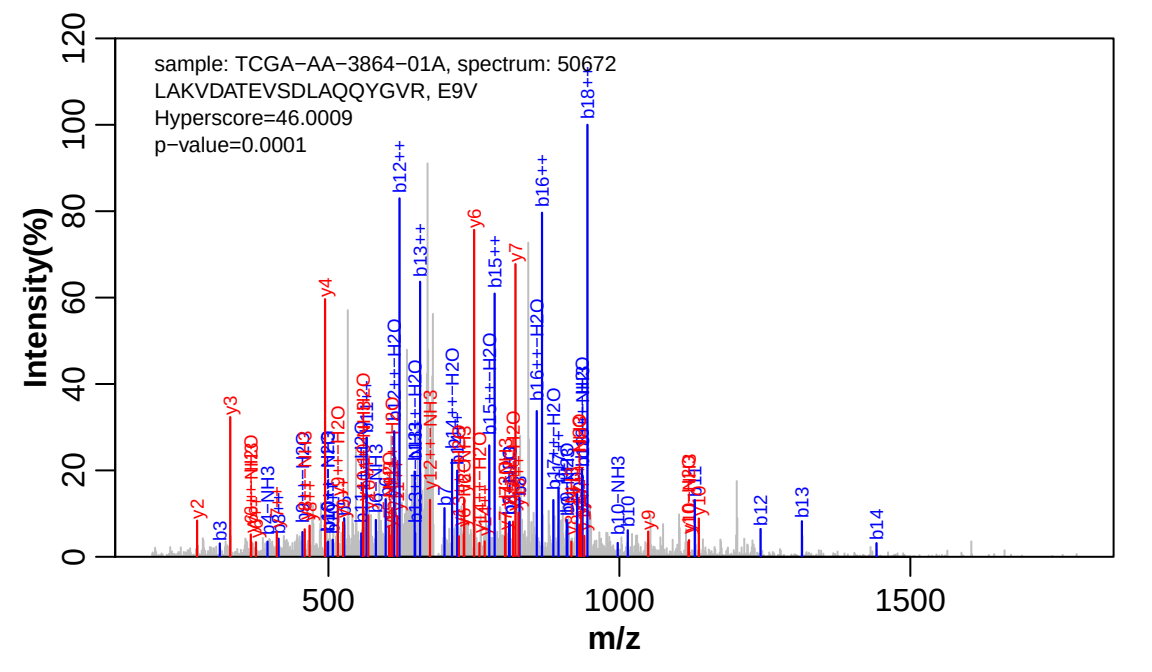

sample: TCGA−AA−3864−01A, spectrum: 26173
HASSGSFLSSANEHLK, P9S
Hyperscore=48.1925
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
y5++−NH3
b7++−H2O
b4++−H2O
b8++−H2O
b8++
y8++
b10++−H2O
b12++−H2O
b7
y8
y14++
b15++
y14++−H2O
b14++
y7
b8
y9

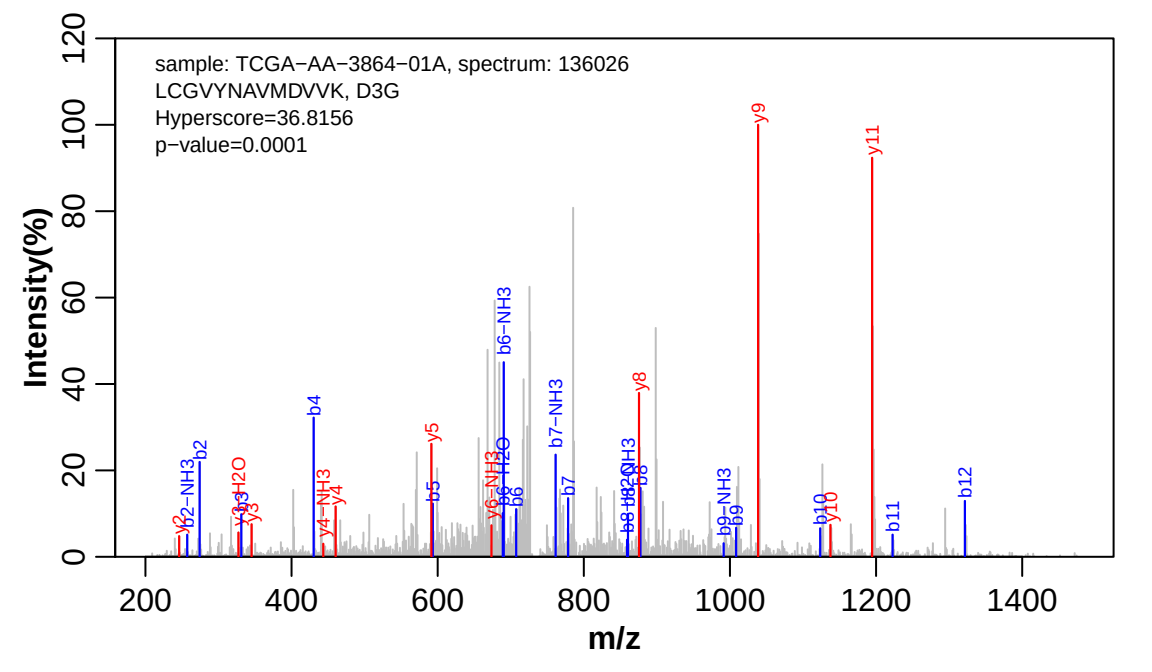

sample: TCGA−AA−3864−01A, spectrum: 129243
HLSQTYQQQYGR, R1H
Hyperscore=37.2109
p−value=0.0001
Intensity(%)
m/z
b2
y3
b4−H2O
y4
b5−H2O
y5
b6−H2O
b6
y6
b7
y7
b8
y8
b9
y9
y10−NH3
y10
b10−H2O
b10−NH3
b10
y11

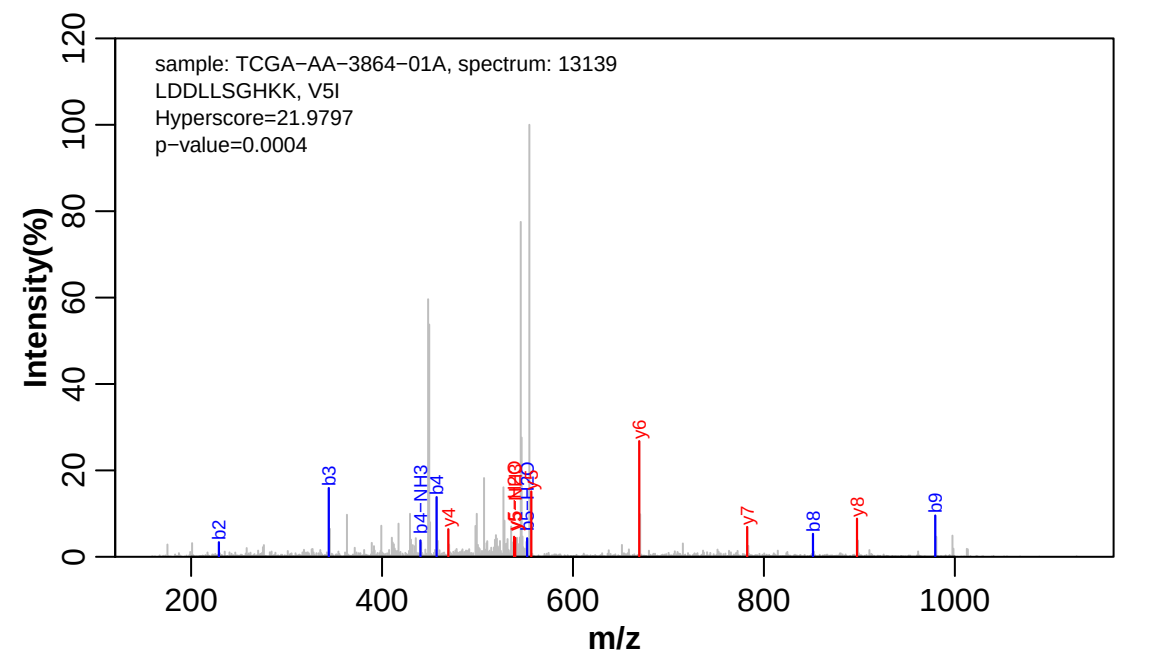

sample: TCGA−AA−3864−01A, spectrum: 76361
KADLLNR, V5I
Hyperscore=16.0820
p−value=0.0088
Intensity(%)
m/z
b1
y1−NH3
y1
y2−H2O
b3
y3
y4
y5
y6

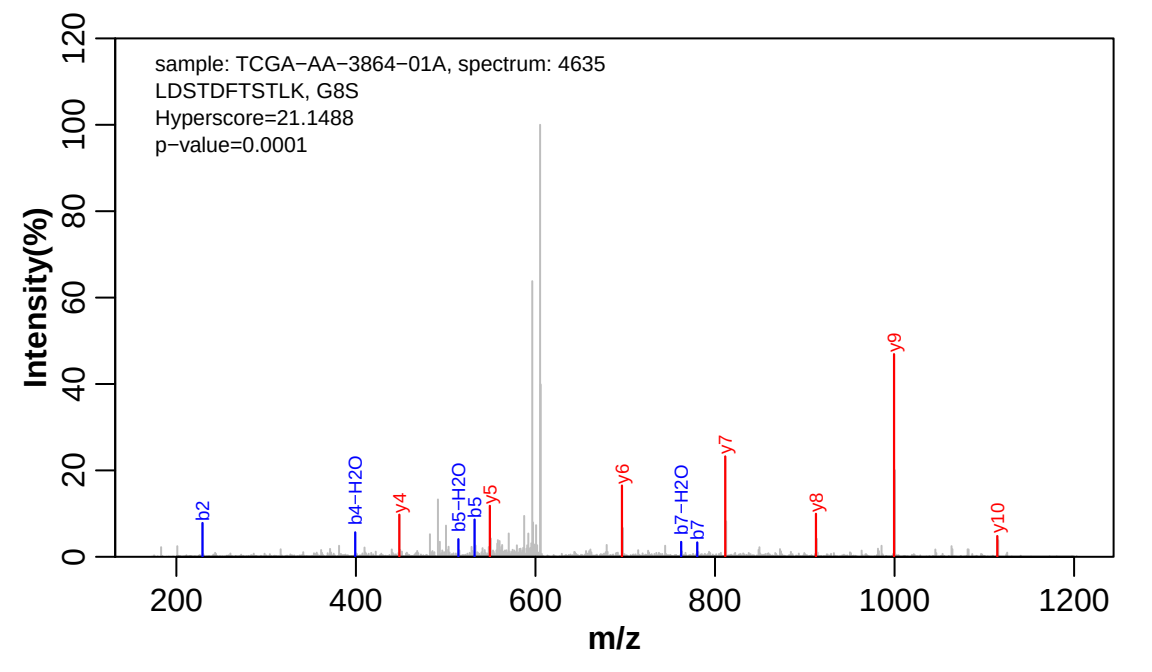

sample: TCGA−AA−3864−01A, spectrum: 79817
KENVATTDTLESTTVGSSV, T17S
Hyperscore=42.7592
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y5
b4
y6
y5
b6−H2O
y7
b6
y8−H2O
y8
b7
b8−H2O
b8
y9
b9−NH3
b9−H2O
b10−H2O
b10
y11
b11
b12
y14
b13
y15
b14
b15−H2O
b15

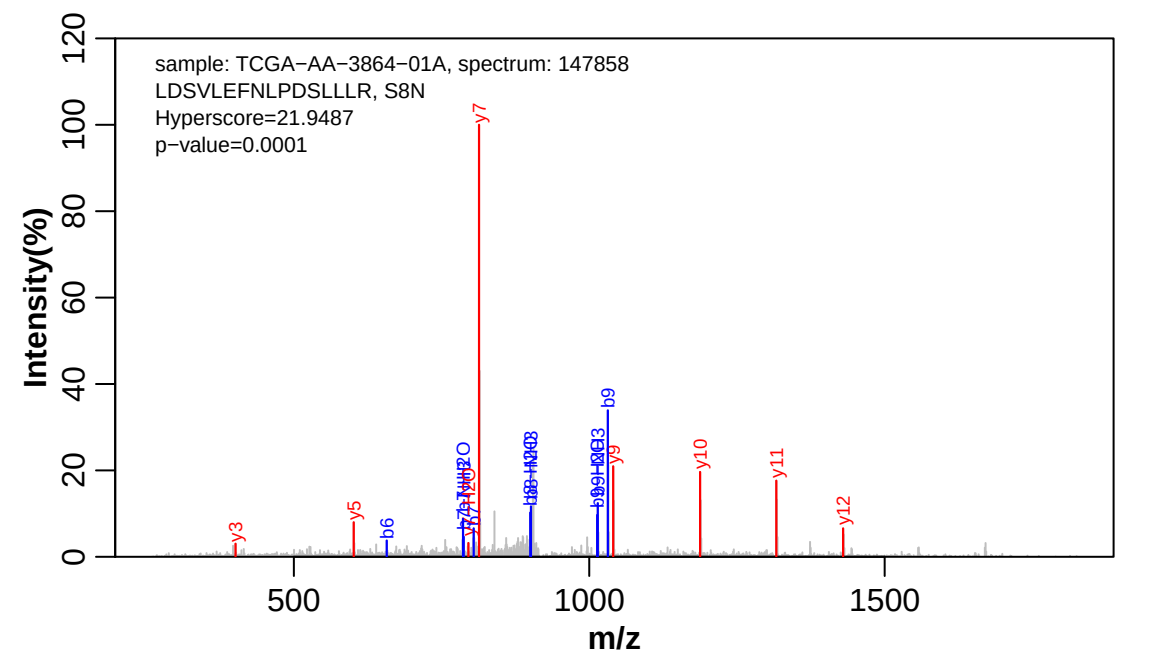

sample: TCGA−AA−3864−01A, spectrum: 88770
KNPDSHYGELLEK, Q6H
Hyperscore=36.6679
p−value=0.0001
Intensity(%)
m/z
y9++
y12++
y11++
b4
y4
y7
y3
b5++−H2O
b6++−H2O
b4−NH3
y8++
y5−NH3
y11++−H2O
b6−NH3
y12++−H2O
0
20
40
60
80
100
120
200
400
600
800
1000
1200

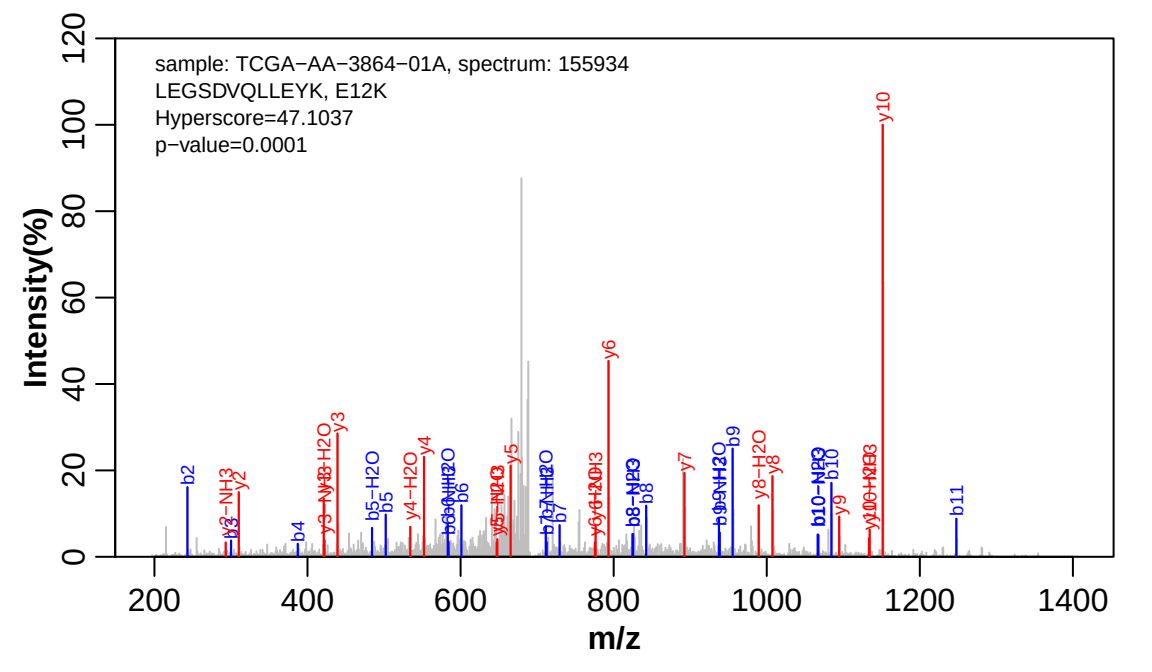

sample: TCGA−AA−3864−01A, spectrum: 50672
LAKVDATEVSDLAQQYGVR, E9V
Hyperscore=46.0009
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b18++
b12++
b16++
b13++
y6
y7
b15++
y4
y3
y2
b3
b10−NH3
b10
y9
b12
b13
b14

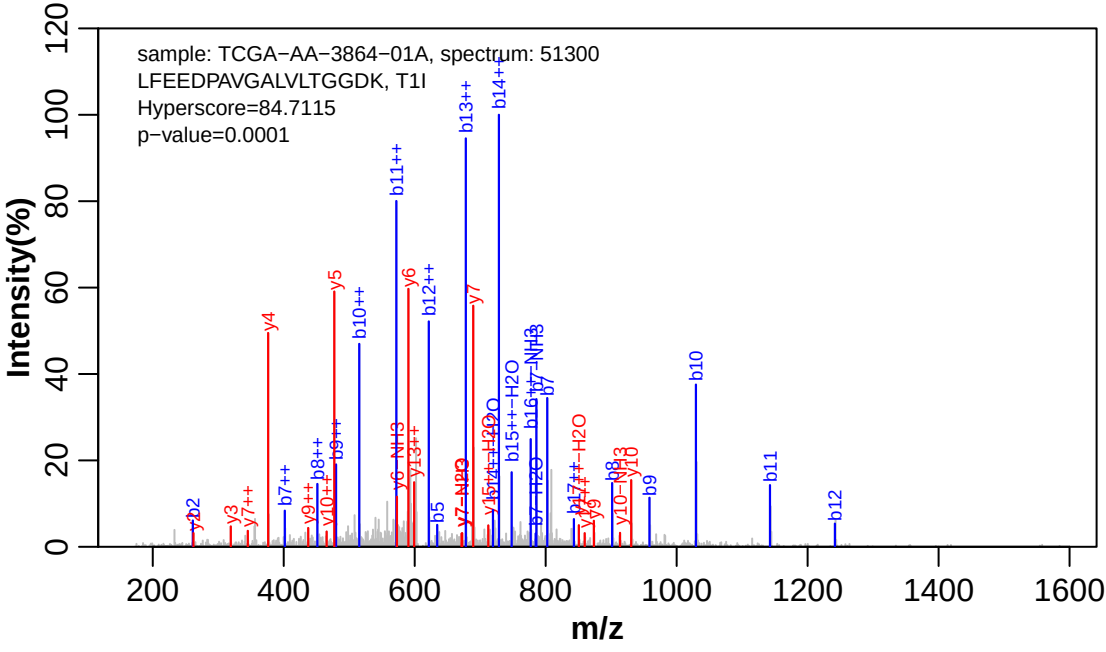

sample: TCGA−AA−3864−01A, spectrum: 136026
LCGVYNAVMDVVK, D3G
Hyperscore=36.8156
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y9
y11
b6−NH3
y8
b4
y5
b7−NH3
b12
b2
y2
b2−NH3
y3−H2O
y3
y4−NH3
y4
b5
y6−NH3
b6
b6−H2O
b7
b8−NH3
b8
b9−NH3
b9
b10
y10
b11

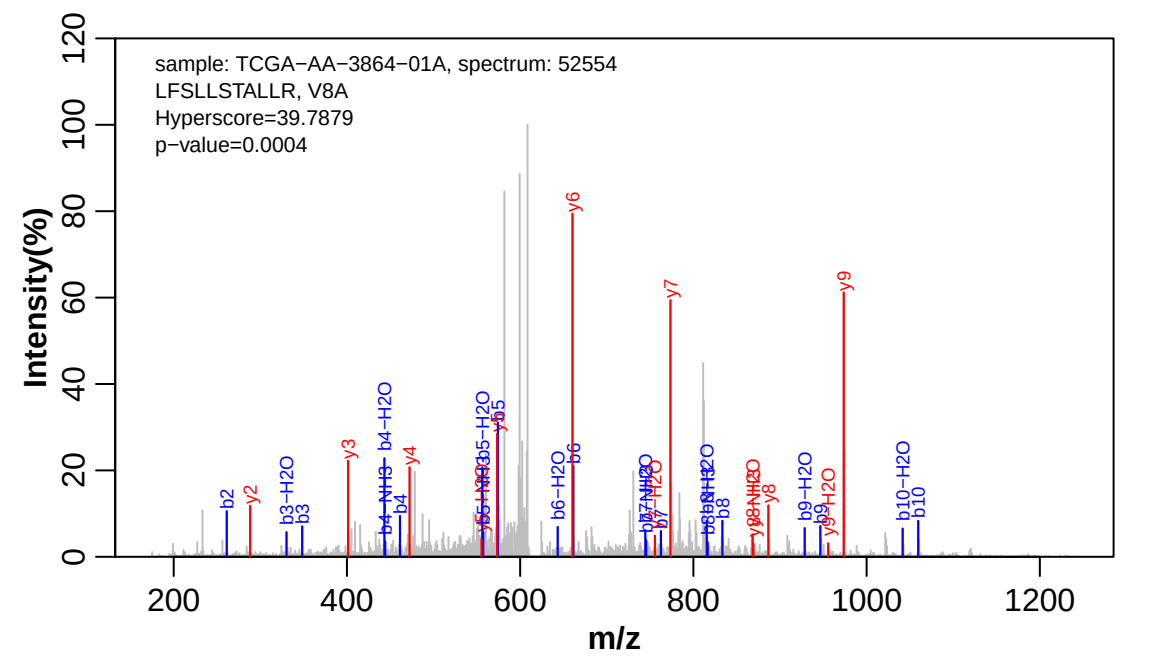

sample: TCGA−AA−3864−01A, spectrum: 13139
LDDLLSGHKK, V5I
Hyperscore=21.9797
p−value=0.0004
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4−NH3
b4
y4
y6
y7
b8
y8
b9

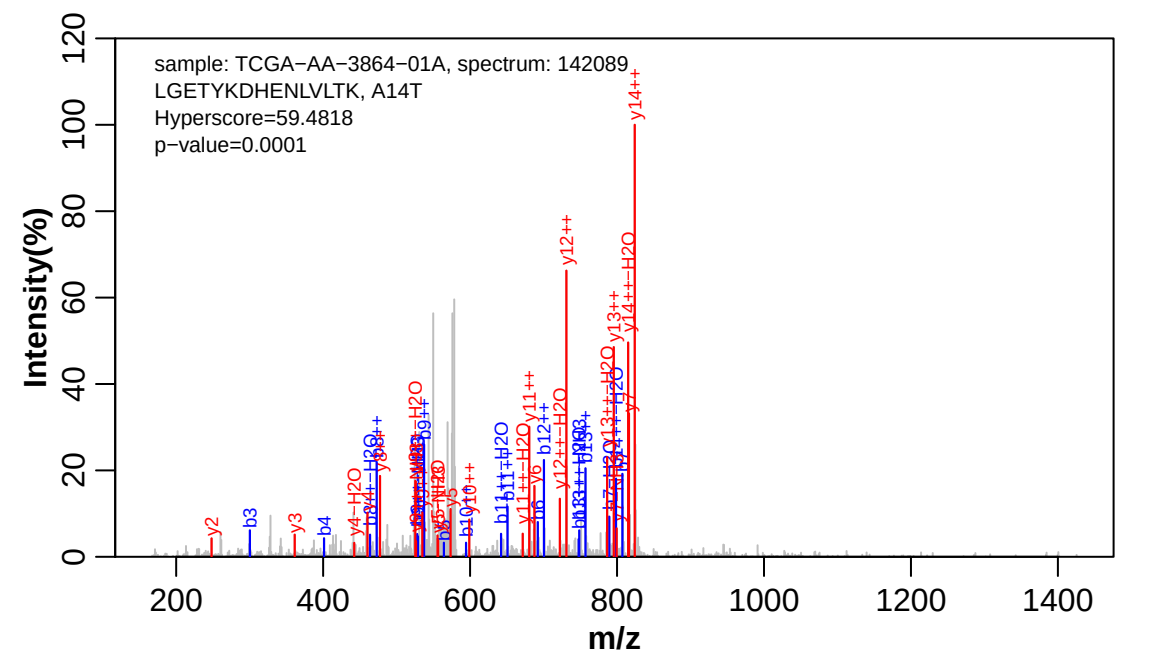

sample: TCGA−AA−3864−01A, spectrum: 4635
LDSTDFTSTLK, G8S
Hyperscore=21.1488
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7
y8
y9
y10

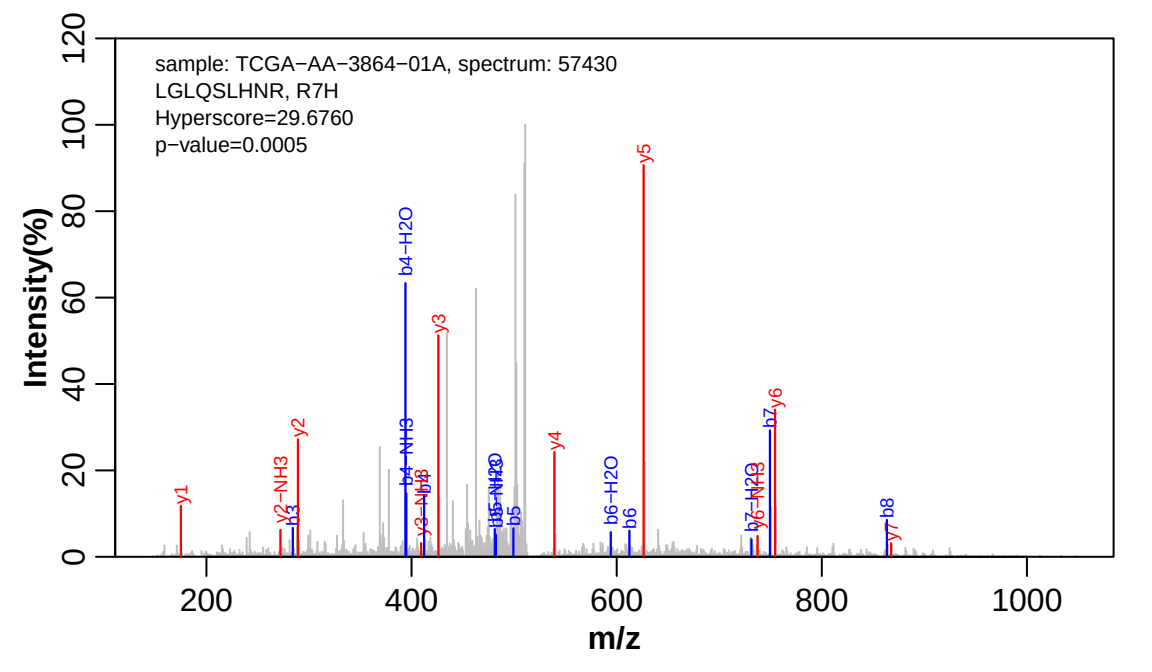

sample: TCGA−AA−3864−01A, spectrum: 147858
LDSVLEFNLPDSLLLR, S8N
Hyperscore=21.9487
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y5
b6
y7
b9
y9
y10
y11
y12

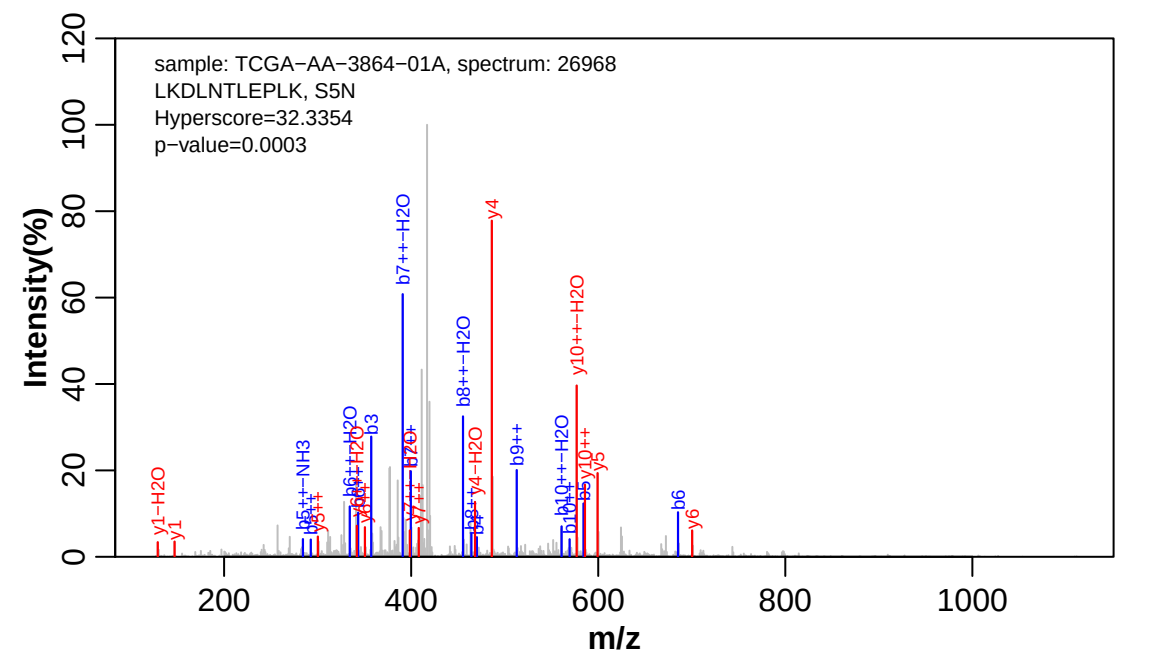

sample: TCGA−AA−3864−01A, spectrum: 155934
LEGSDVQLLEYK, E12K
Hyperscore=47.1037
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b4
y3
b5−H2O
b5
y4−H2O
y4
b6
y5
y6
b7
b8
y7
b9
y8−H2O
y8
b10
y9
y10
b11

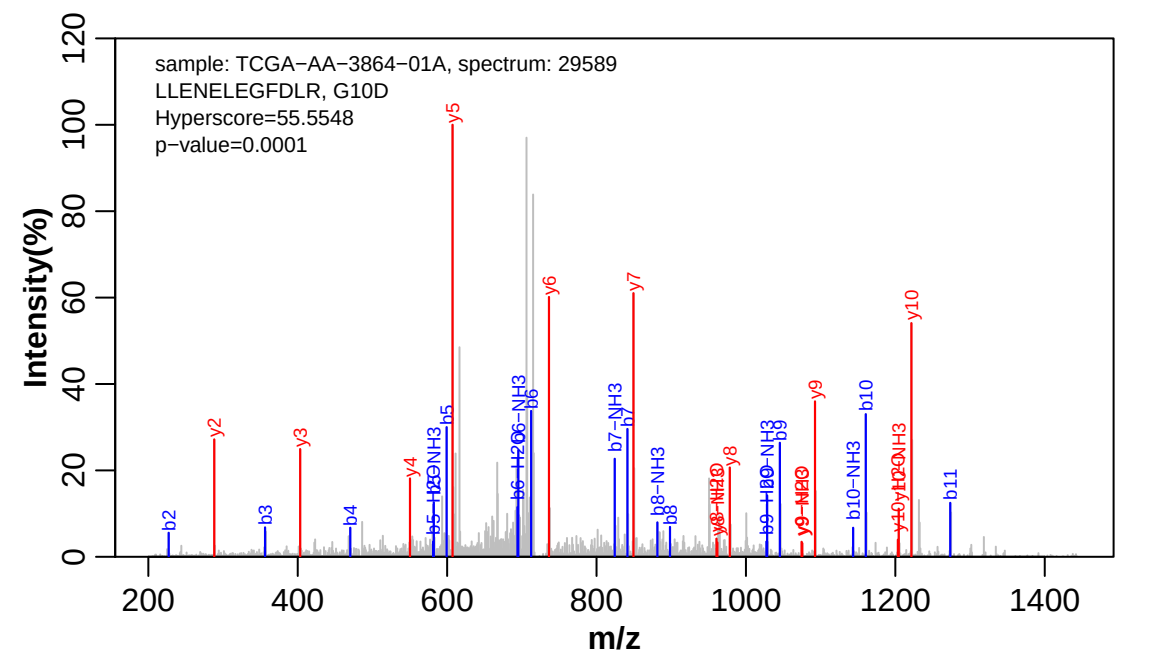

sample: TCGA−AA−3864−01A, spectrum: 51300
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=84.7115
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b14++
b13++
b11++
y5
y6
b12++
b10++
y4
y7
b10
b11
b12
b9
b8
b7
b5
y2
y3
y7++
b7++
y9++
b8++
y10++
b9++
y6−NH3
y13++
y7−NH3
y15++−H2O
b15++−H2O
b16++−H2O
b7−NH3
b7−H2O
b17++−H2O
y8
y10−NH3
y10

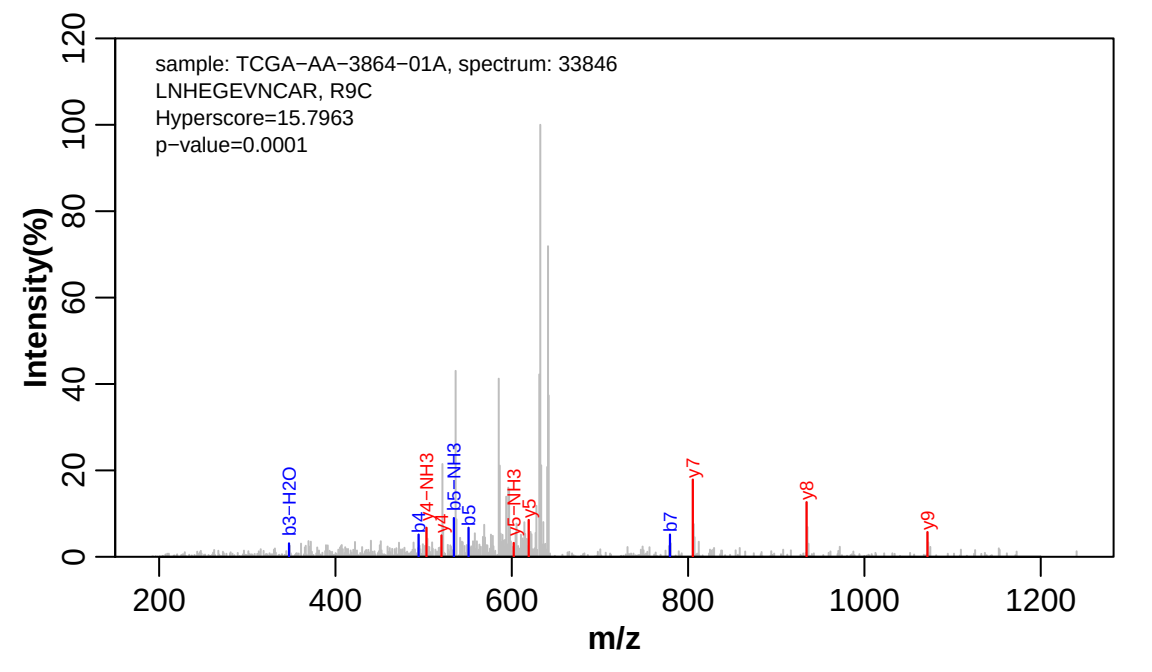

sample: TCGA−AA−3864−01A, spectrum: 52554
LFSLLSTALLR, V8A
Hyperscore=39.7879
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−NH3
b4−H2O
b4
y4
b5−H2O
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
b8−NH3
b8−H2O
b8
y8
b9−H2O
b9
y9
b10−H2O
b10

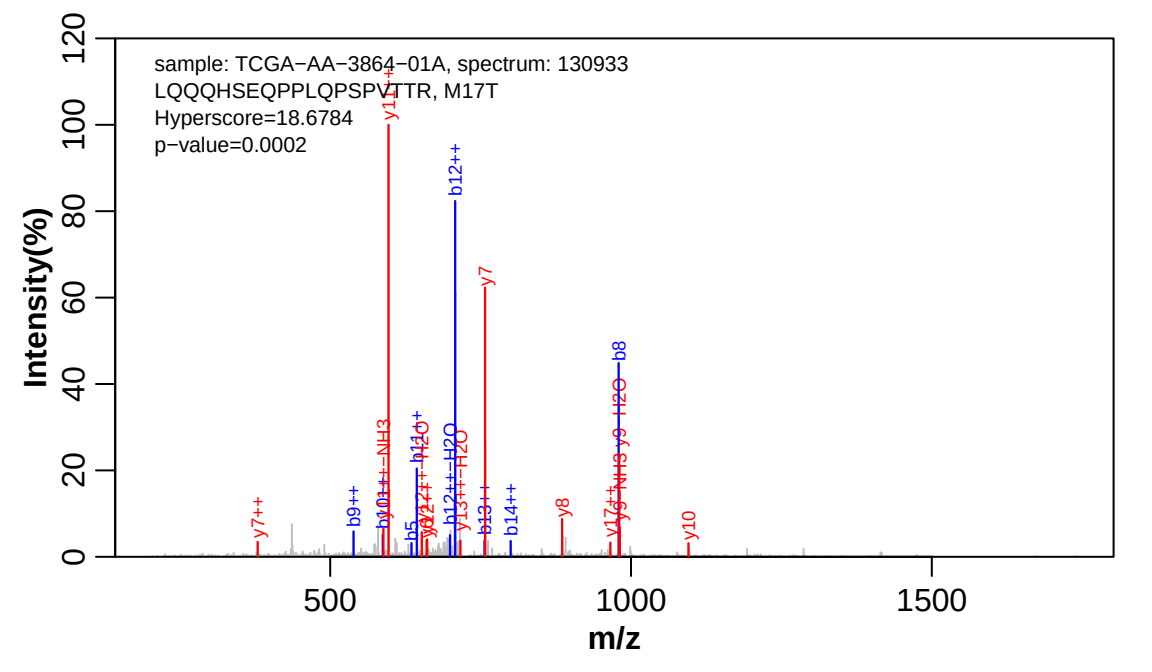

sample: TCGA−AA−3864−01A, spectrum: 142089
LGETYKDHENLVLTK, A14T
Hyperscore=59.4818
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y14++
y12++
y14++−H2O
y13++
y2
b3
y3
b4
y4−H2O
y11++
y11++−H2O
b12++
y12++−H2O
b11++−H2O
y10++
b10++
y13++−H2O

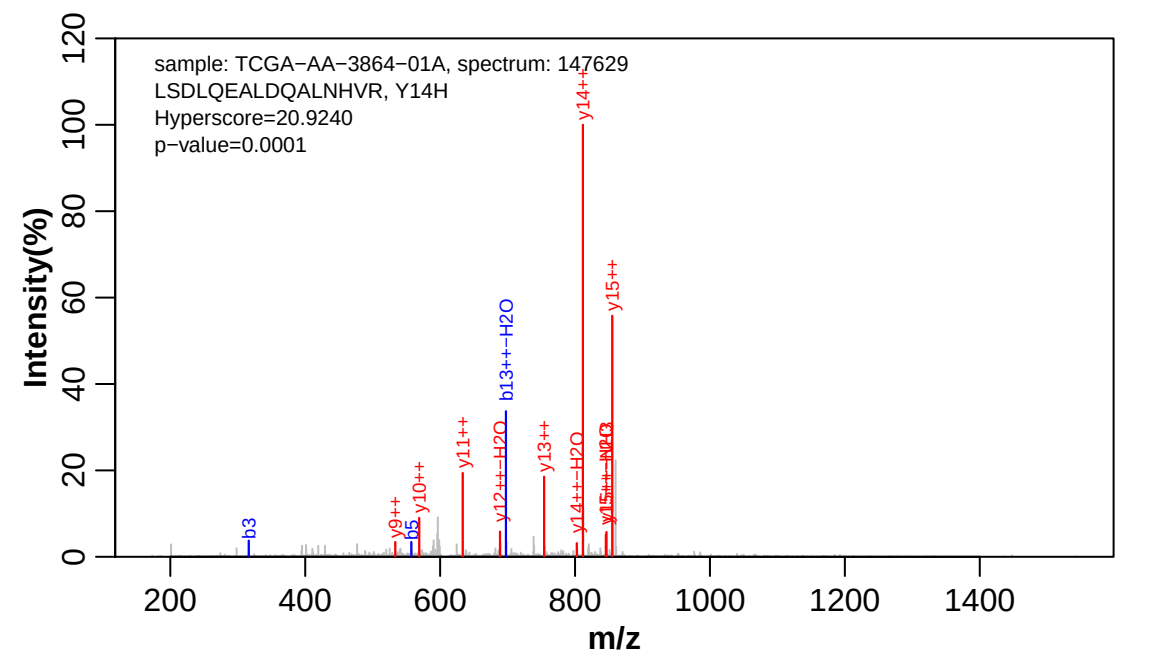

sample: TCGA−AA−3864−01A, spectrum: 57430
LGLQSLHNR, R7H
Hyperscore=29.6760
p−value=0.0005
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
y2−NH3
y2
b3
b4−NH3
b4−H2O
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
b6−H2O
b6
y5
b7−H2O
b7−NH3
b7
y6
y7
b8

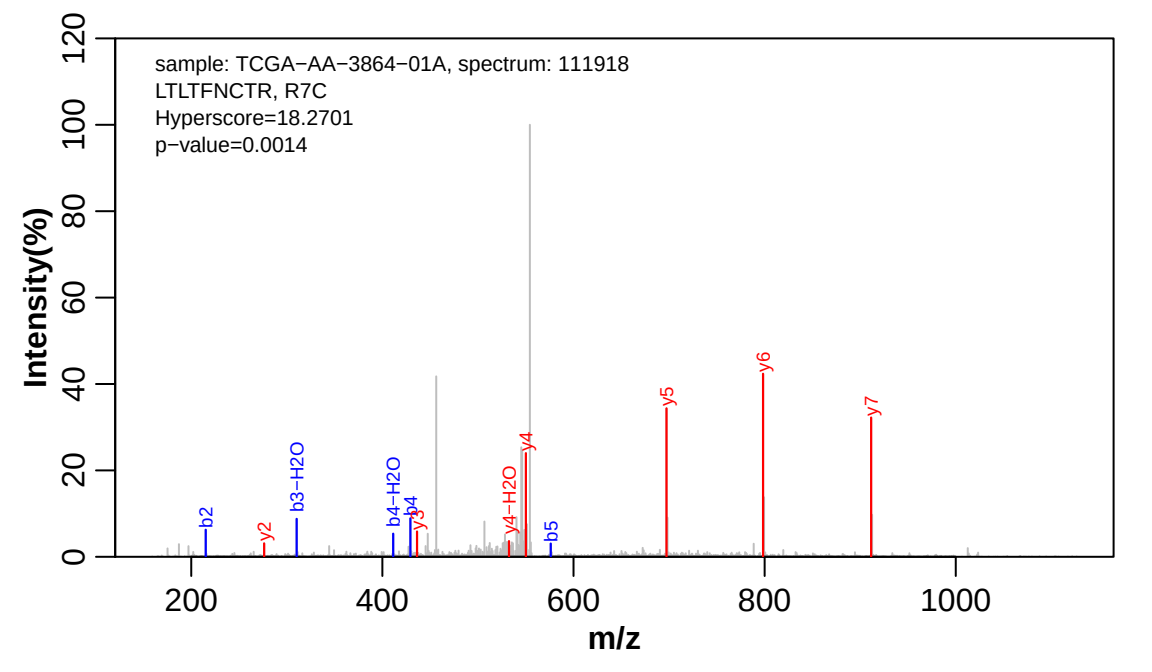

sample: TCGA−AA−3864−01A, spectrum: 26968
LKDLNTLEPLK, S5N
Hyperscore=32.3354
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1−H2O
y1
b5++−NH3
b3++
b6++−H2O
b3
b7++−H2O
y4
b8++−H2O
y10++−H2O
y5
b9++
b8++−H2O
y4−H2O
b10++−H2O
y10++
b6
y6

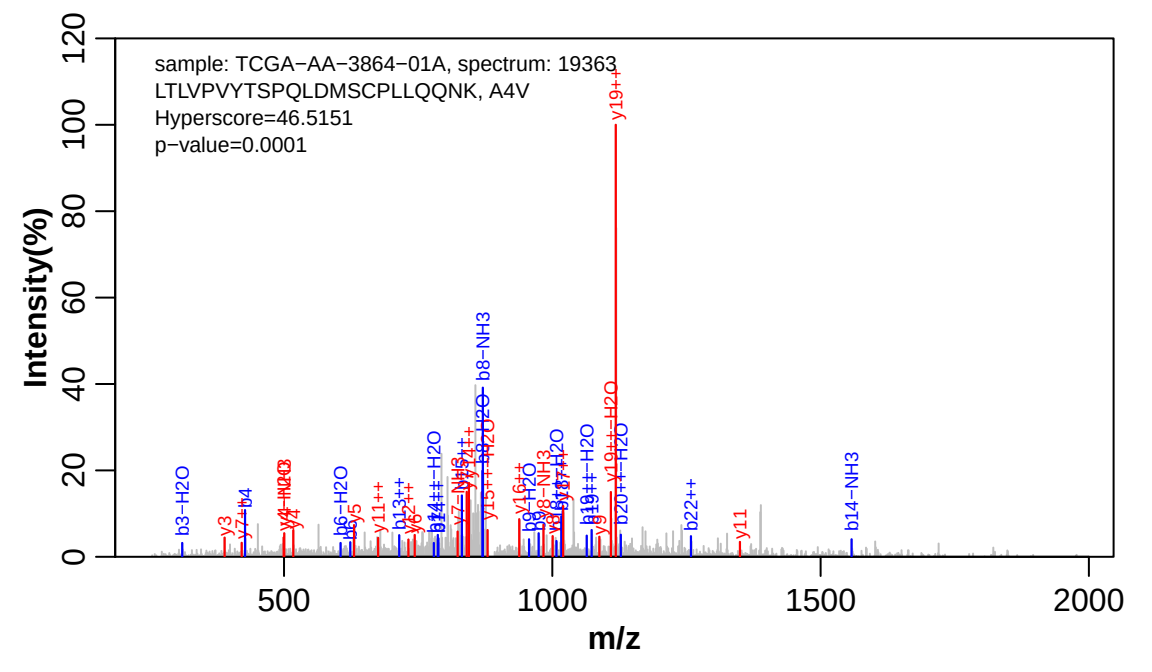

sample: TCGA−AA−3864−01A, spectrum: 29589
LLENELEGFDLR, G10D
Hyperscore=55.5548
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y6
y7
y10
y2
y3
y4
y8
y9
b2
b3
b4
b5
b6
b7
b8
b9
b10
b11
b5−NH3
b6−NH3
b7−NH3
b8−NH3
b10−NH3
y10−NH3

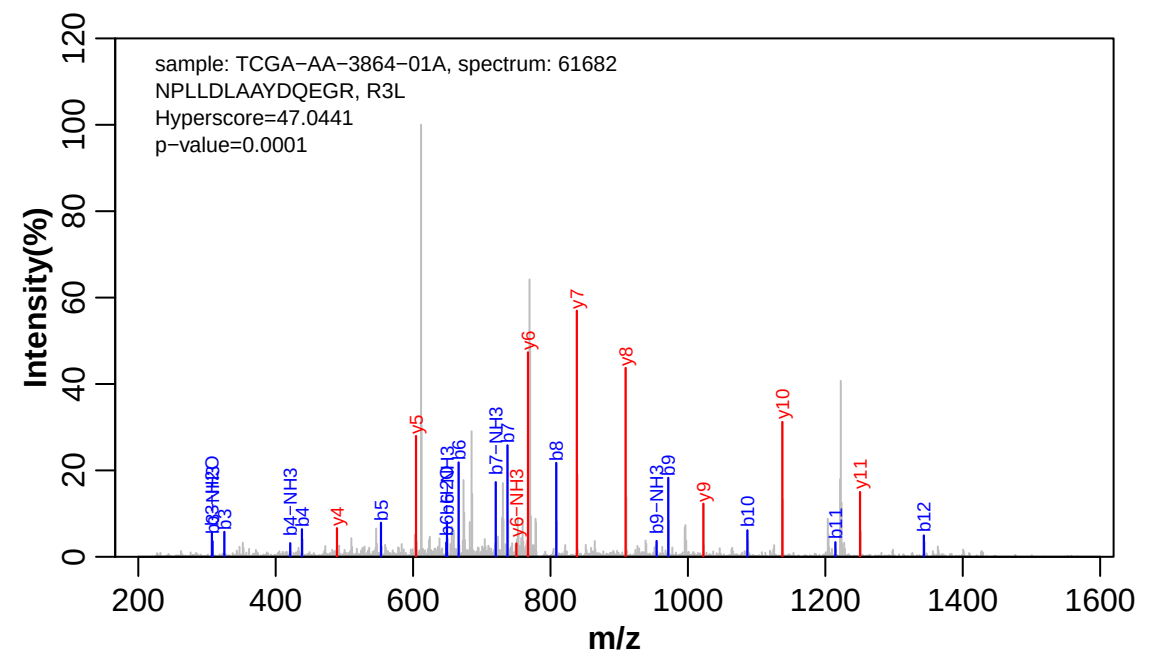

sample: TCGA−AA−3864−01A, spectrum: 33846
LNHEGEVNCAR, R9C
Hyperscore=15.7963
p−value=0.0001
Intensity(%)
m/z
b3−H2O
b4−NH3
y4
b5−NH3
b5
y5−NH3
y5
b7
y7
y8
y9

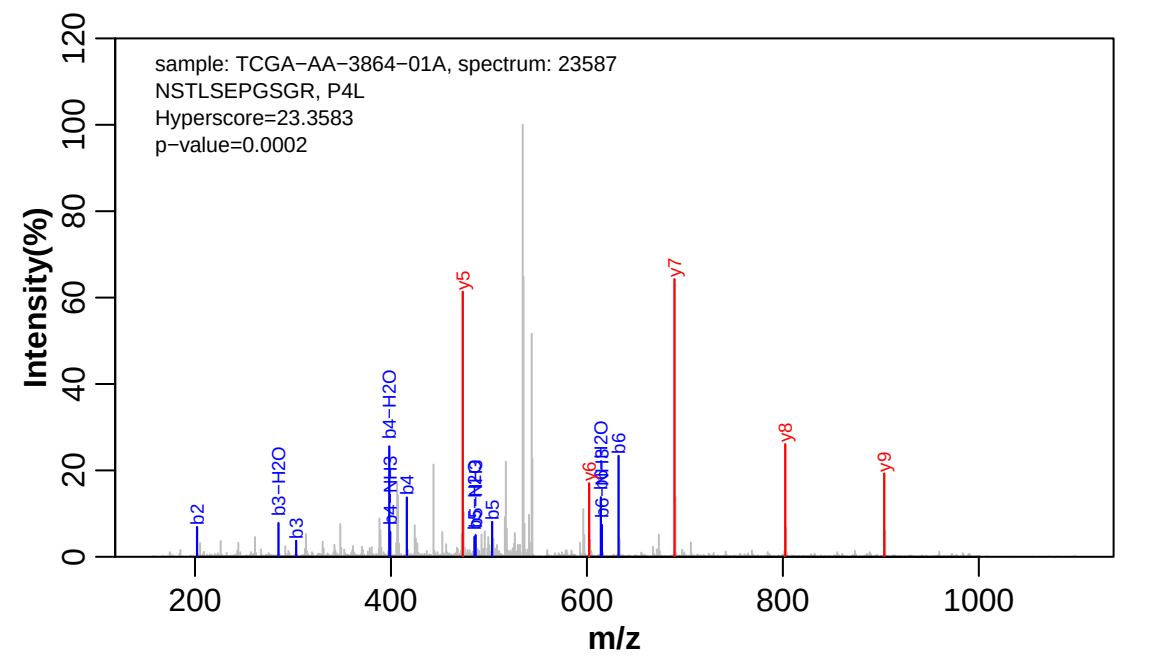

sample: TCGA−AA−3864−01A, spectrum: 130933
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=18.6784
p−value=0.0002
Intensity(%)
m/z
y7++
b9++
b9++−NH3
b5
b11++
b11++−H2O
b12++−H2O
b13++
b14++
y8
y7
b12++
y11++
y10
b8
y9++NH3
y9++H2O
y17++

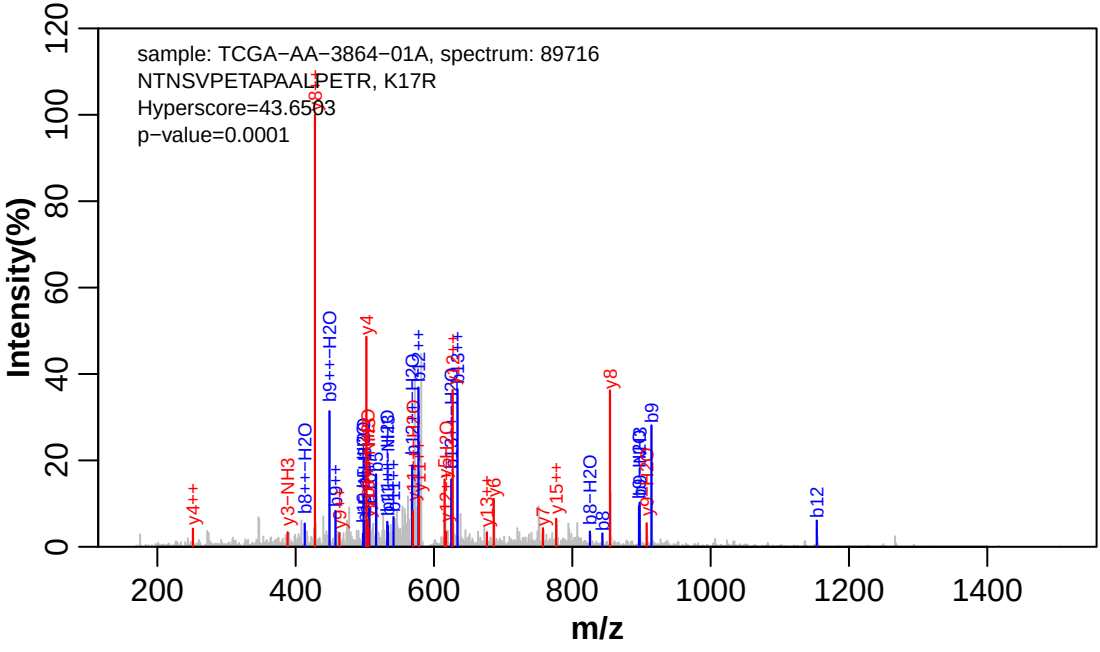

sample: TCGA−AA−3864−01A, spectrum: 147629
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.9240
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y9++
b5
y10++
y11++
y12++−H2O
b13++−H2O
y13++
y14++−H2O
y14++
y15++

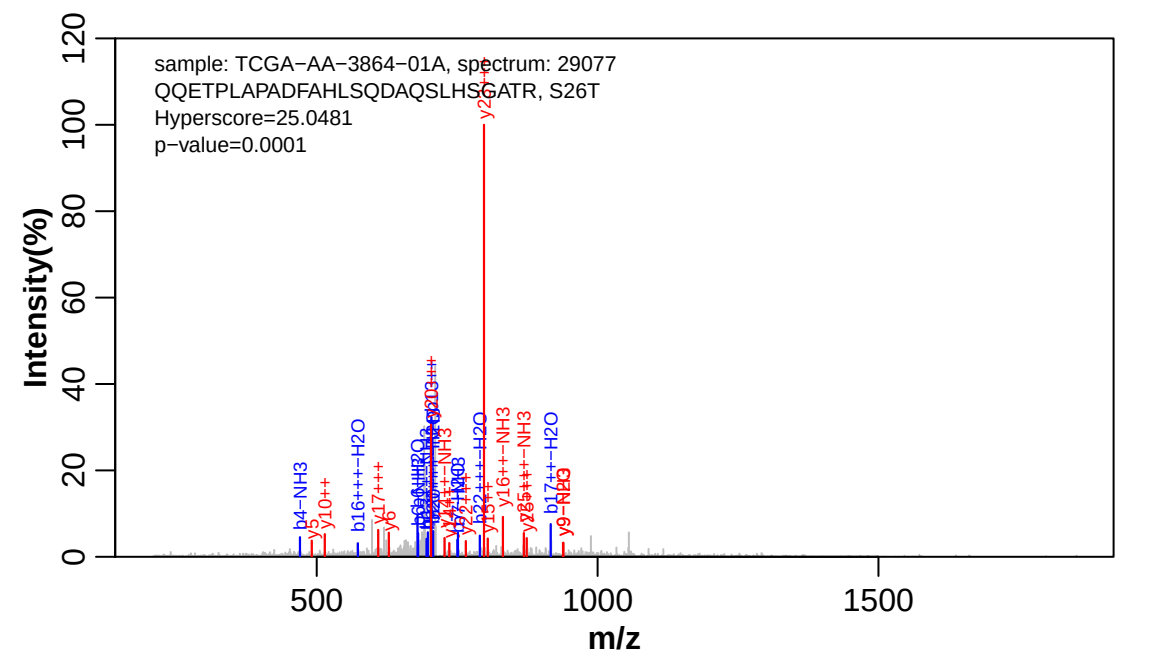

sample: TCGA−AA−3864−01A, spectrum: 111918
LTLTFNCTR, R7C
Hyperscore=18.2701
p−value=0.0014
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
y2
b3−H2O
b4−H2O
y3
b4
y4−H2O
y4
b5
y5
y6
y7

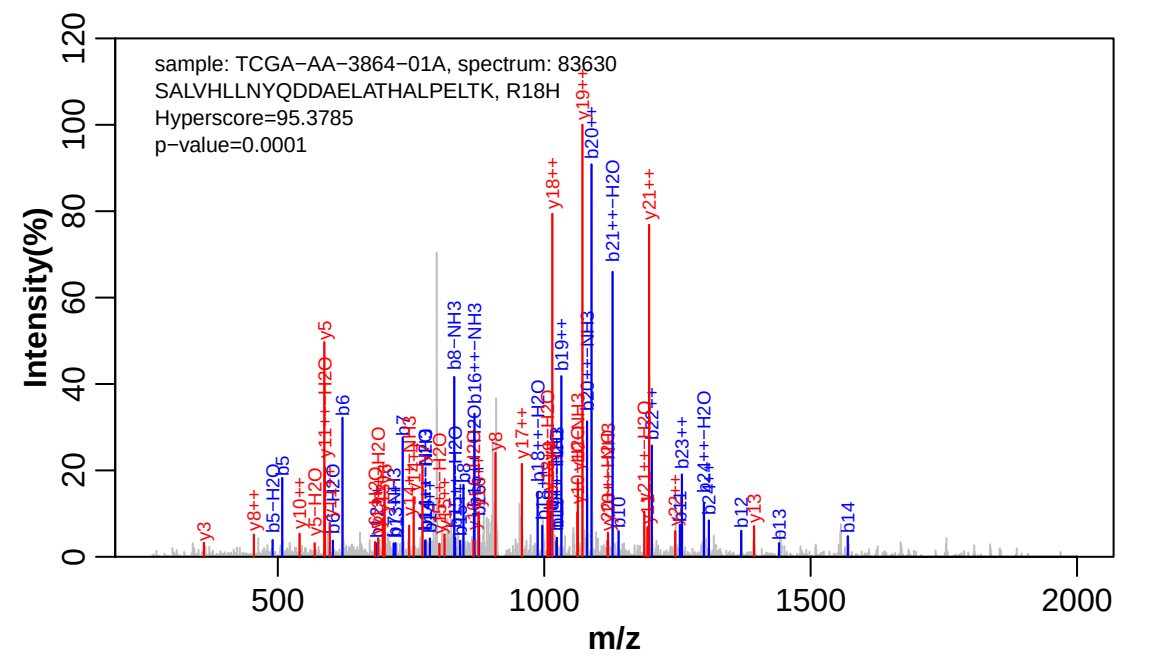

sample: TCGA−AA−3864−01A, spectrum: 19363
LTLVPVYTSPQLDMSCPLLQQNK, A4V
Hyperscore=46.5151
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
y3
y2−b4
b6−H2O
b5
y11++
b13++
b14++−H2O
b8−NH3
y16++
b9−NH3
b19++−H2O
y19++
y19++−H2O
b20++−H2O
b22++
y11
b14−NH3

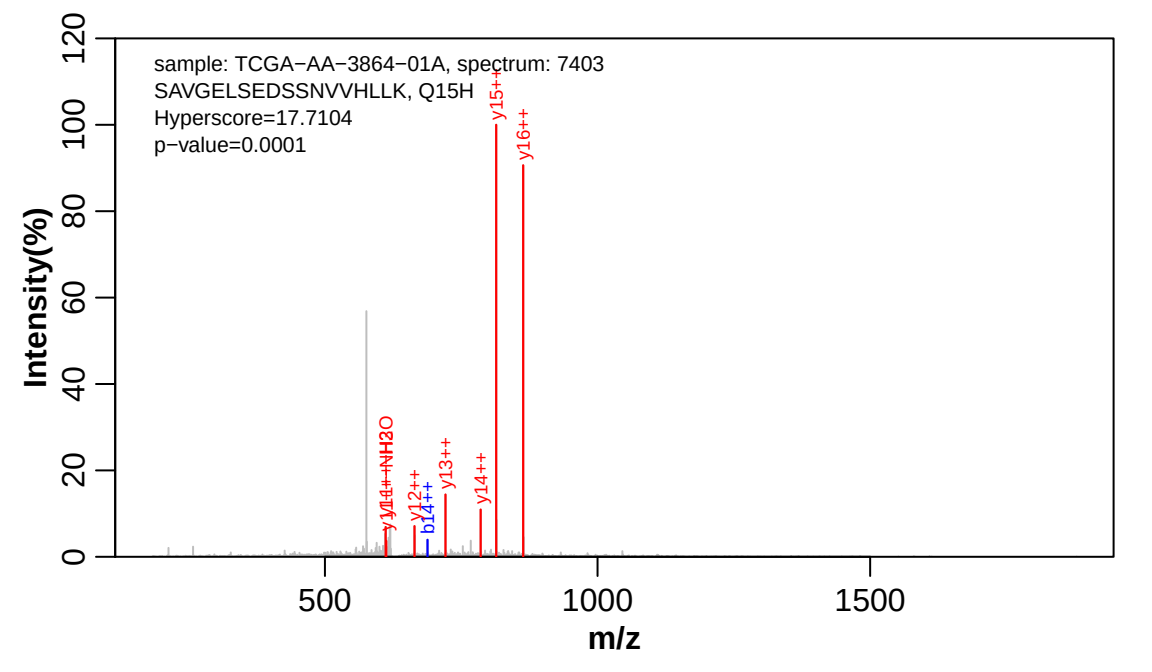

sample: TCGA−AA−3864−01A, spectrum: 61682
NPLLDLAAYDQEGR, R3L
Hyperscore=47.0441
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b4−NH3
b4
y4
b5
y5
b6
b7−NH3
b7
y6−NH3
y6
y7
b8
y8
b9−NH3
b9
y9
y10
b10
b11
y11
b12

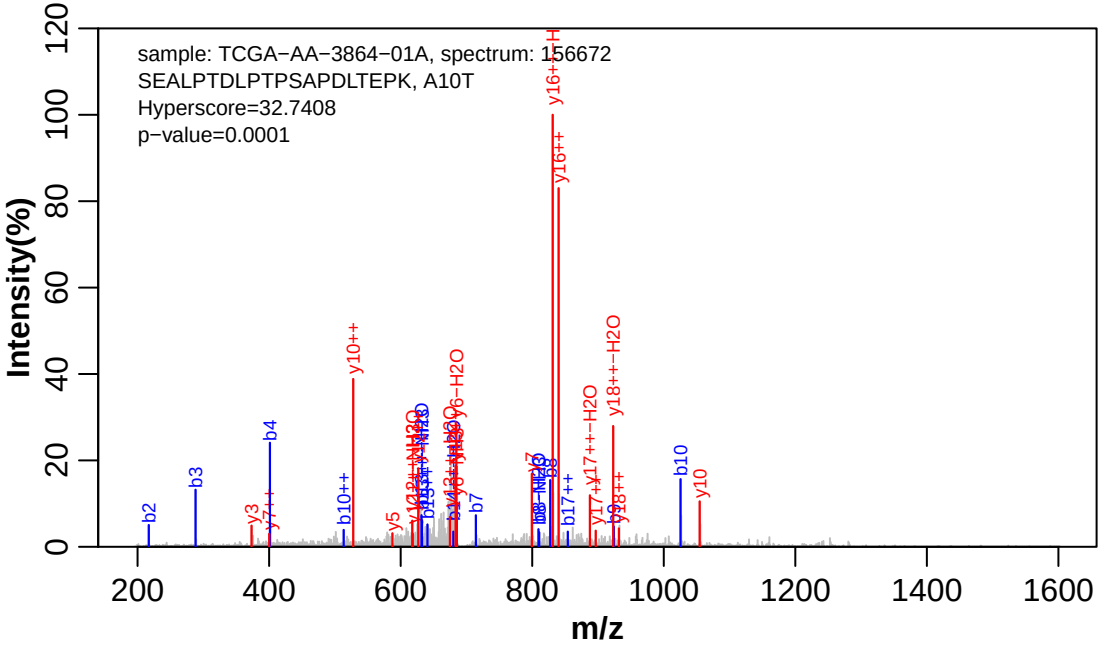

sample: TCGA−AA−3864−01A, spectrum: 23587
NSTLSEPGSGR, P4L
Hyperscore=23.3583
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
b4−H2O
b4−NH3
b4
b5−NH3
b5
y5
y7
y6
b6−H2O
b6
y8
y9

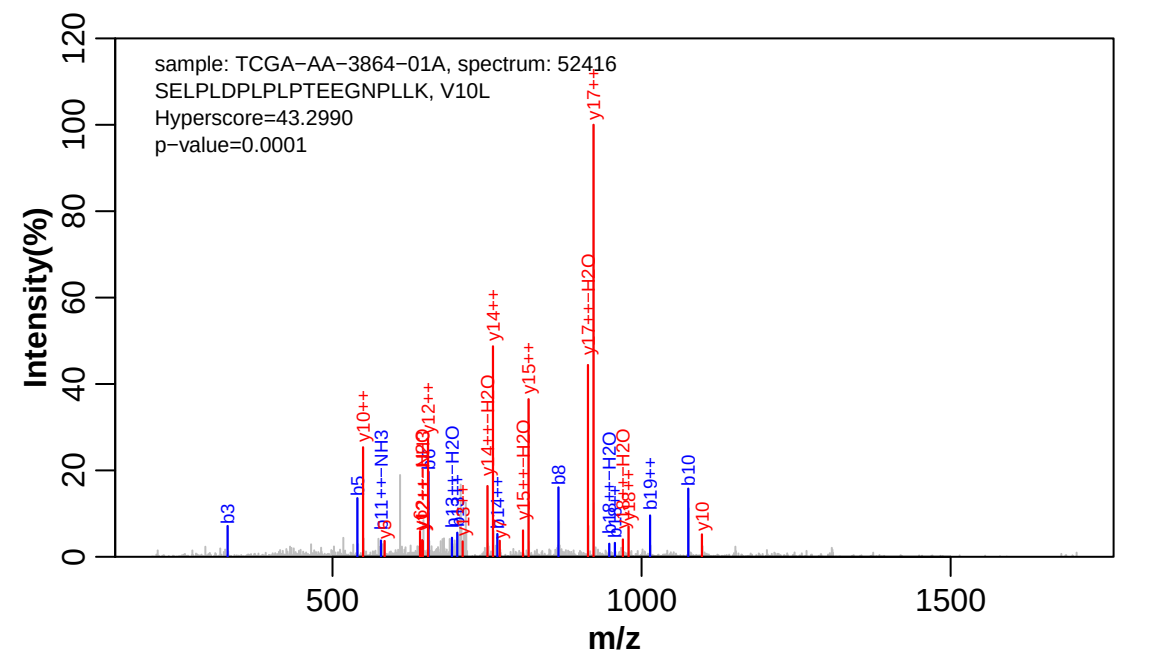

sample: TCGA−AA−3864−01A, spectrum: 89716
NTNSVPETAPAALPETR, K17R
Hyperscore=43.6503
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4++
y3−NH3
b8++−H2O
b9++−H2O
y4
y8
b9
b8−H2O
y15++
b12

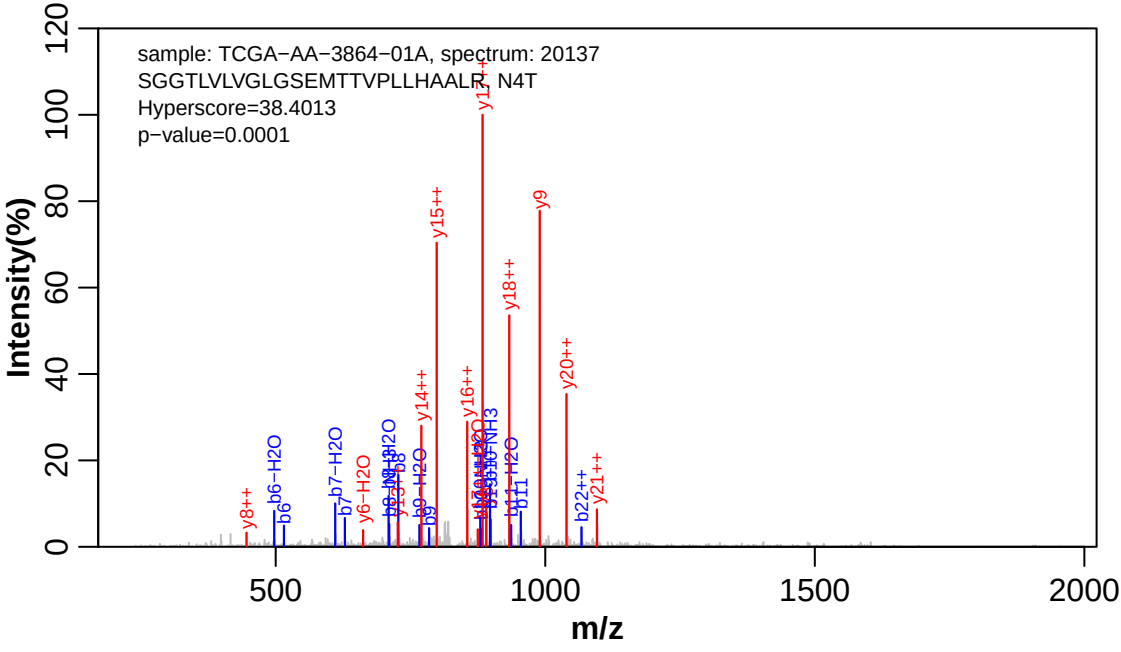

sample: TCGA−AA−3864−01A, spectrum: 29077
QQETPLAPADFAHLSQDAQSLHSGATR, S26T
Hyperscore=25.0481
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y24++
b4−NH3
y5
y10++
b16+++−H2O
y17+++
y6
y16++−NH3
y25+++−NH3
b17++−H2O
y9−NH3

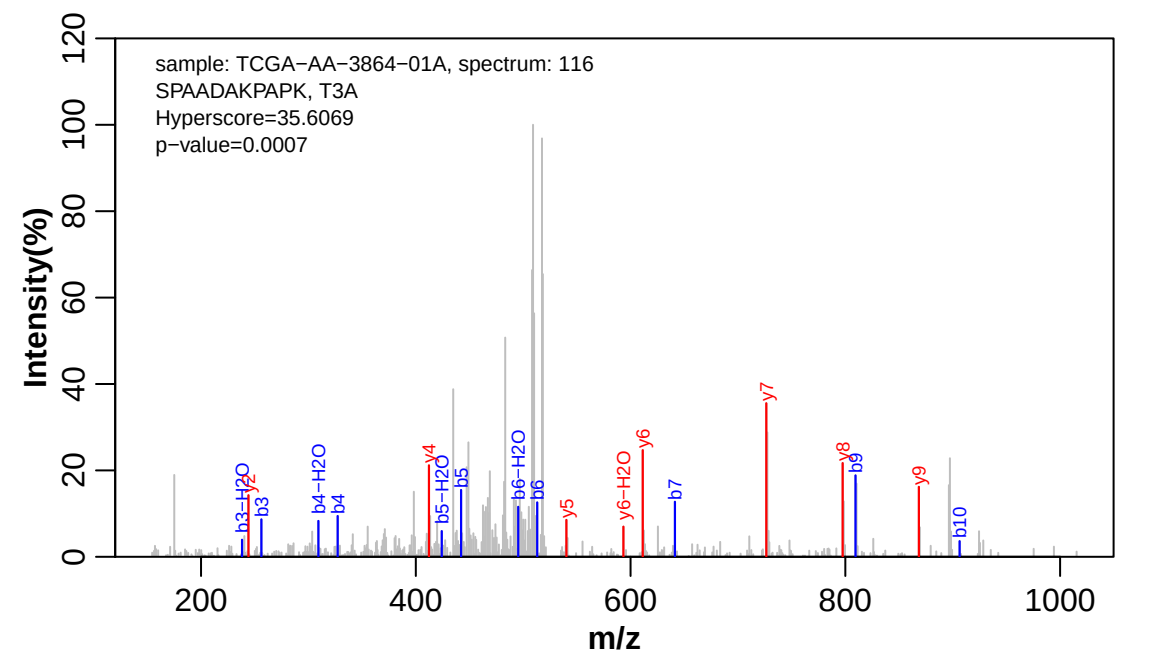

sample: TCGA−AA−3864−01A, spectrum: 83630
SALVHLLNYQDDAELATHALPELTK, R18H
Hyperscore=95.3785
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y8++
b5−H2O
b5
y10++
y5−H2O
y5
b6
b8−NH3
b16++−NH3
y8
y17++
y18++
b19++
b20++
y19++
b21++−H2O
y21++
b10
b22++
y22++
b23++
b24++−H2O
b12
y13
b13
b14

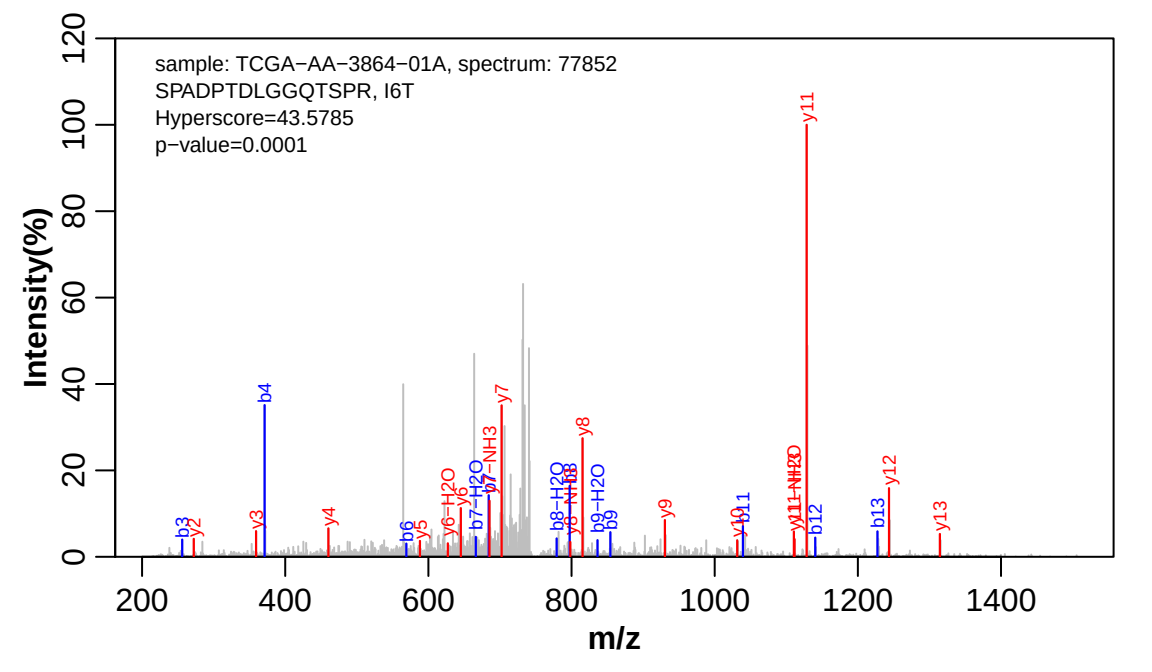

sample: TCGA−AA−3864−01A, spectrum: 7403
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7104
p−value=0.0001
y15++
y16++
y14++−NH3O
y14++
y12++
b14++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

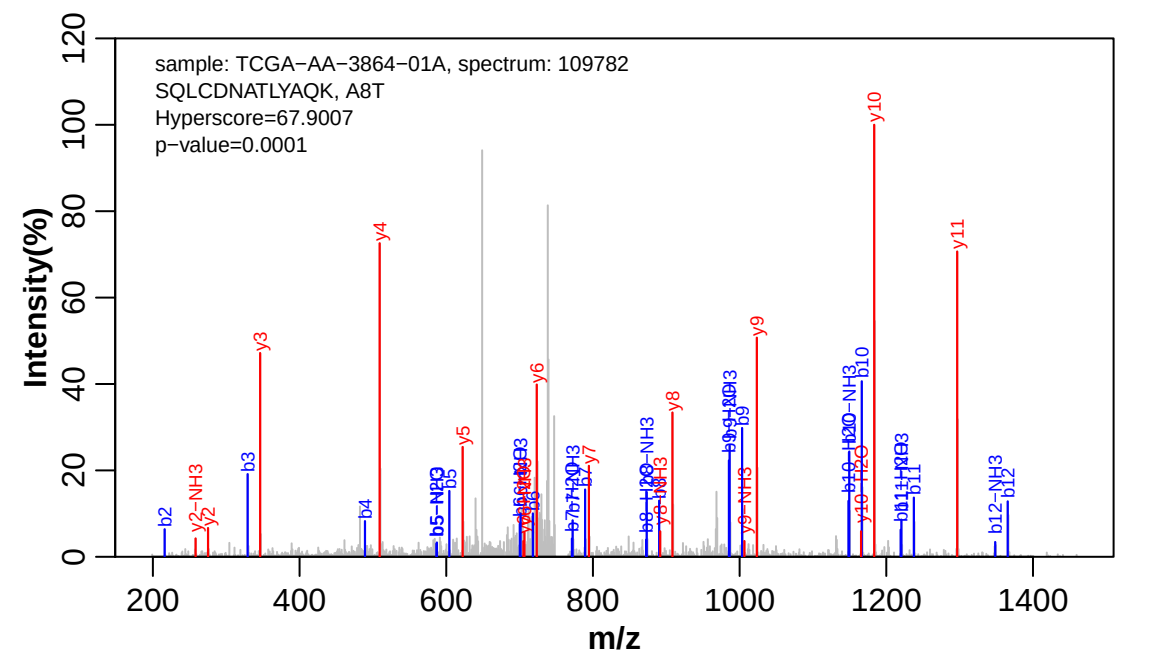

sample: TCGA−AA−3864−01A, spectrum: 156672
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=32.7408
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3
y3
b4
y7++
b10++
y10++
y5
b7
b17++
y16++
y16+++H
y17++−H2O
y18++−H2O
b10
y10

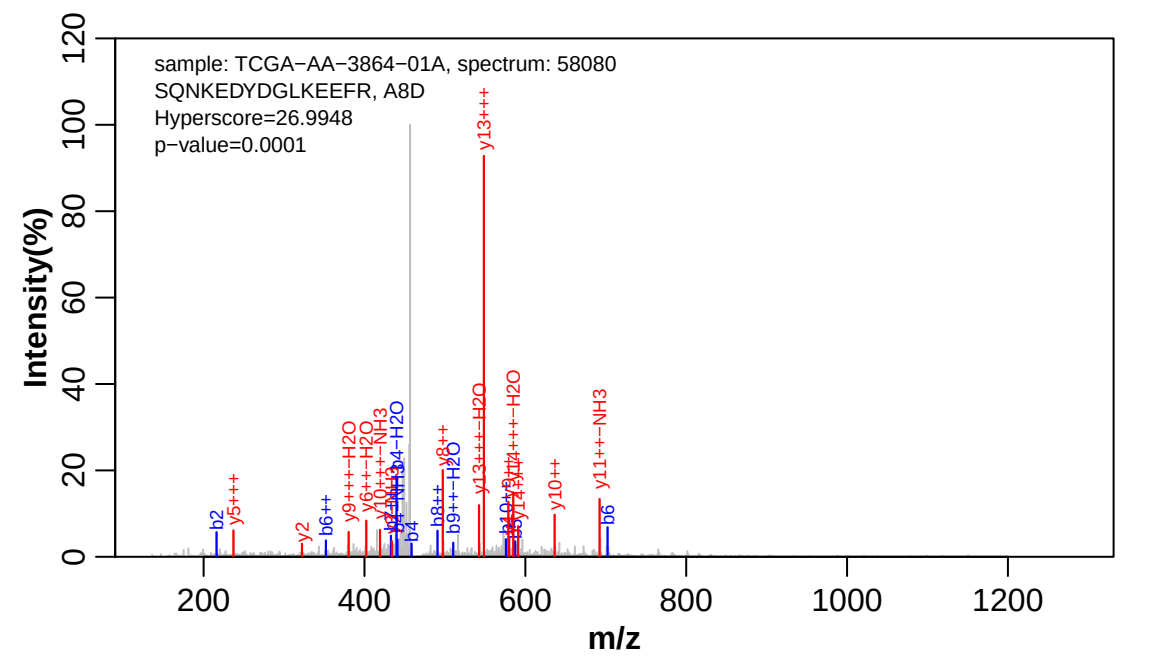

sample: TCGA−AA−3864−01A, spectrum: 52416
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=43.2990
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y10++
b5
y11++−NH3
y12++
b8
y14++
y14++−H2O
y15++
y15++−H2O
y17++
y17++−H2O
b19++
b10
y10

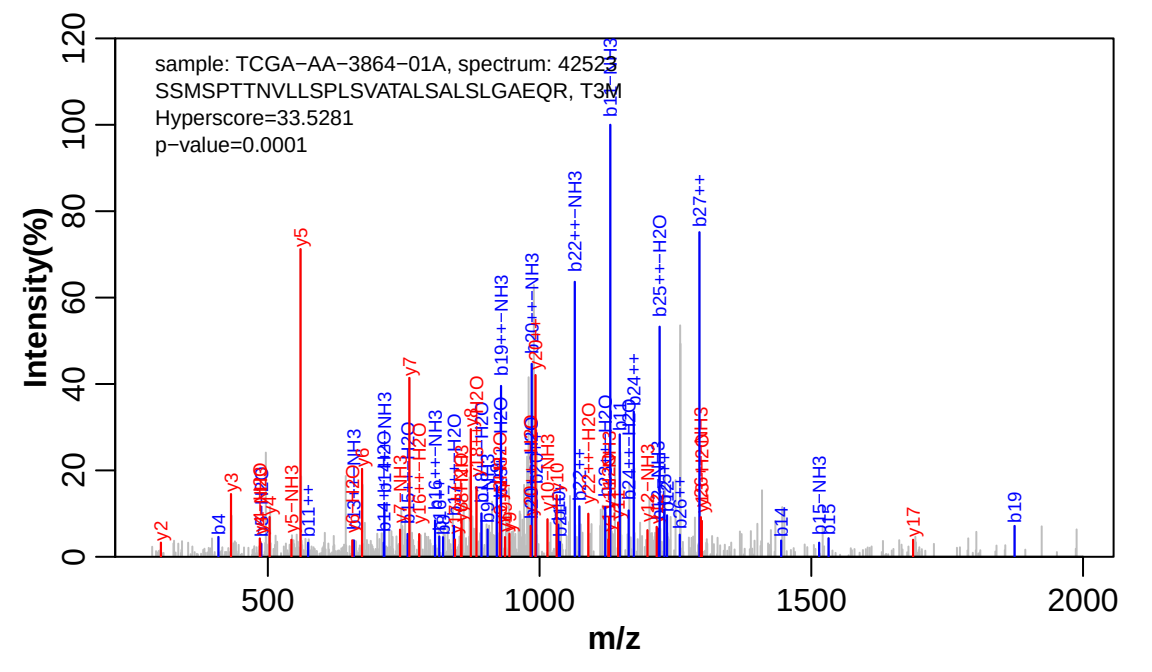

sample: TCGA−AA−3864−01A, spectrum: 20137
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=38.4013
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y8++
b6
b6−H2O
b7
b7−H2O
y6−H2O
y14++
y15++
y16++
y12++
y9
y18++
y20++
b11
b11−H2O
b22++
y21++

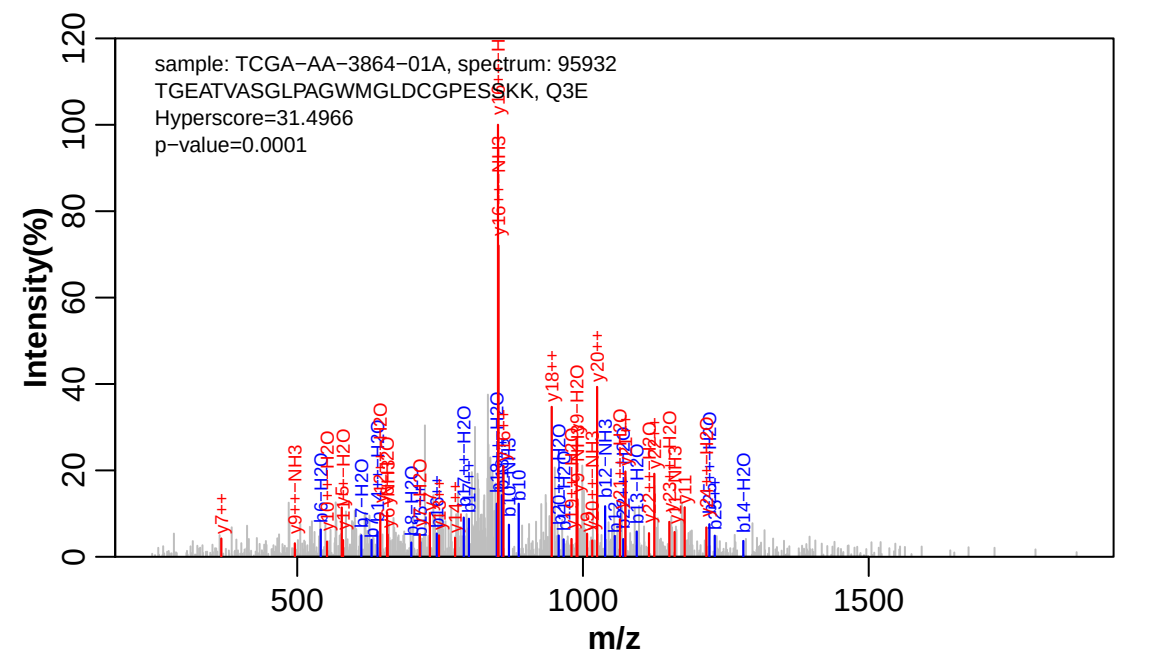

sample: TCGA−AA−3864−01A, spectrum: 116
SPAADAKPAPK, T3A
Hyperscore=35.6069
p−value=0.0007
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3−H2O
y2
b3
b4−H2O
b4
y4
b5−H2O
b5
b6−H2O
b6
y5
y6−H2O
y6
b7
y7
y8
b9
y9
b10

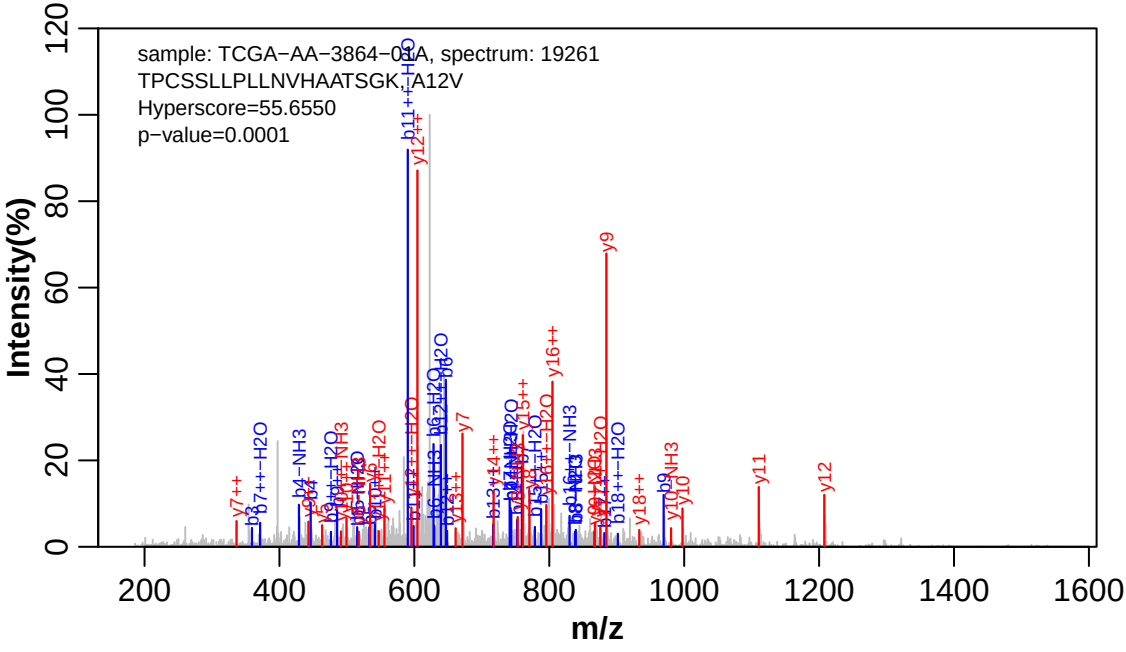

sample: TCGA−AA−3864−01A, spectrum: 77852
SPADPTDLGGQTSPR, I6T
Hyperscore=43.5785
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
b6
y5
y6−H2O
y6
b7−H2O
b7
y7−NH3
y7
b8−H2O
b8
y8−NH3
y8
b9−H2O
b9
y9
y10
b11
y11−NH3
y11−H2O
y11
b12
b13
y12
y13

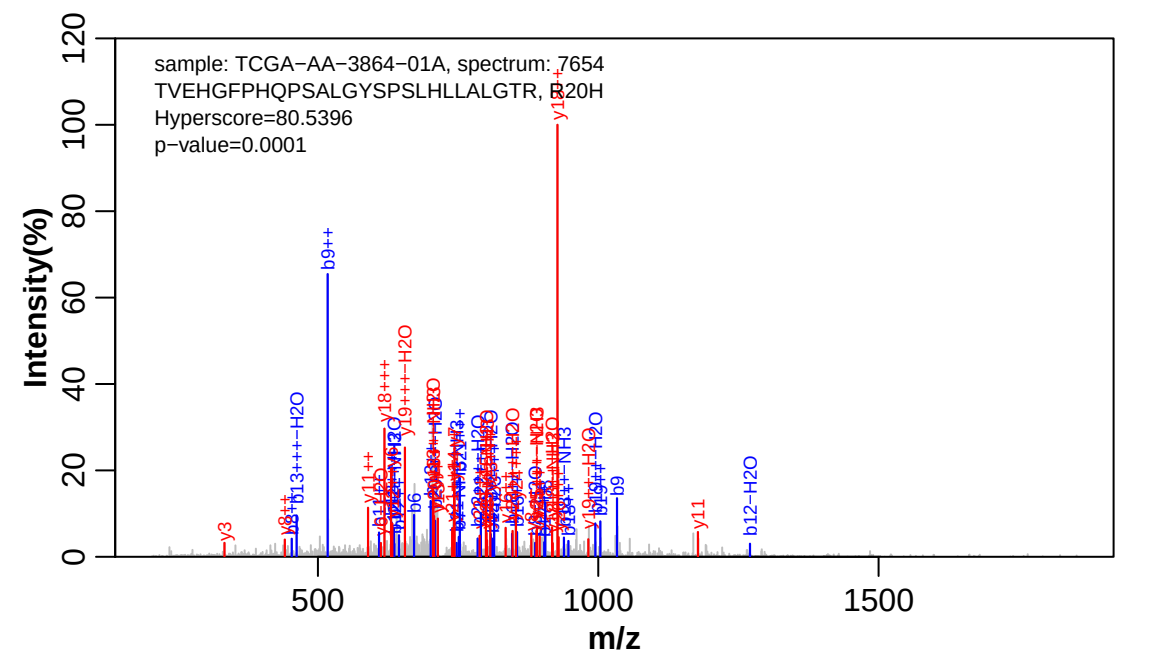

sample: TCGA−AA−3864−01A, spectrum: 109782
SQLCDNATLYAQK, A8T
Hyperscore=67.9007
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2−NH3
y2
b3
y3
b4
y4
b5
y5
y6
y7
y8
b9
y9
b10
y10
y11
b11
b12−NH3
b12

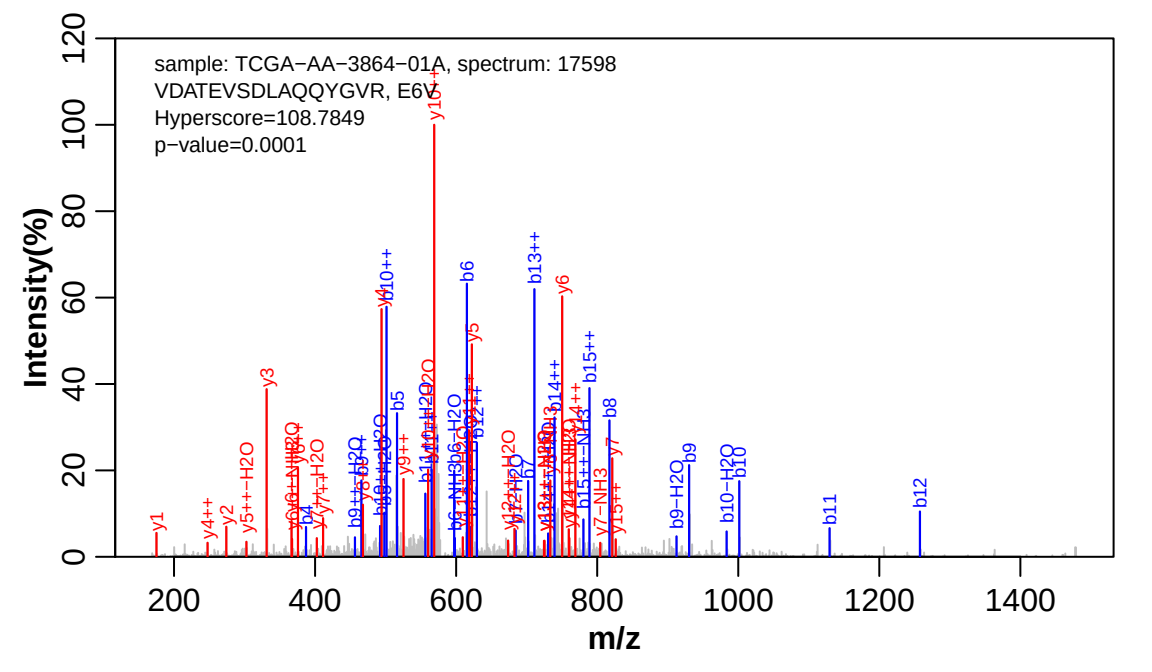

sample: TCGA−AA−3864−01A, spectrum: 58080
SQNKEDYDGLKEEFR, A8D
Hyperscore=26.9948
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y5+++
y2
b6++
y9+++−H2O
y6++−H2O
y6++−NH3
b4−NH3
b4−H2O
b4
b8++
y8++
b9++−H2O
y13+++−H2O
y14+++−H2O
y10++
y11++−NH3
b6

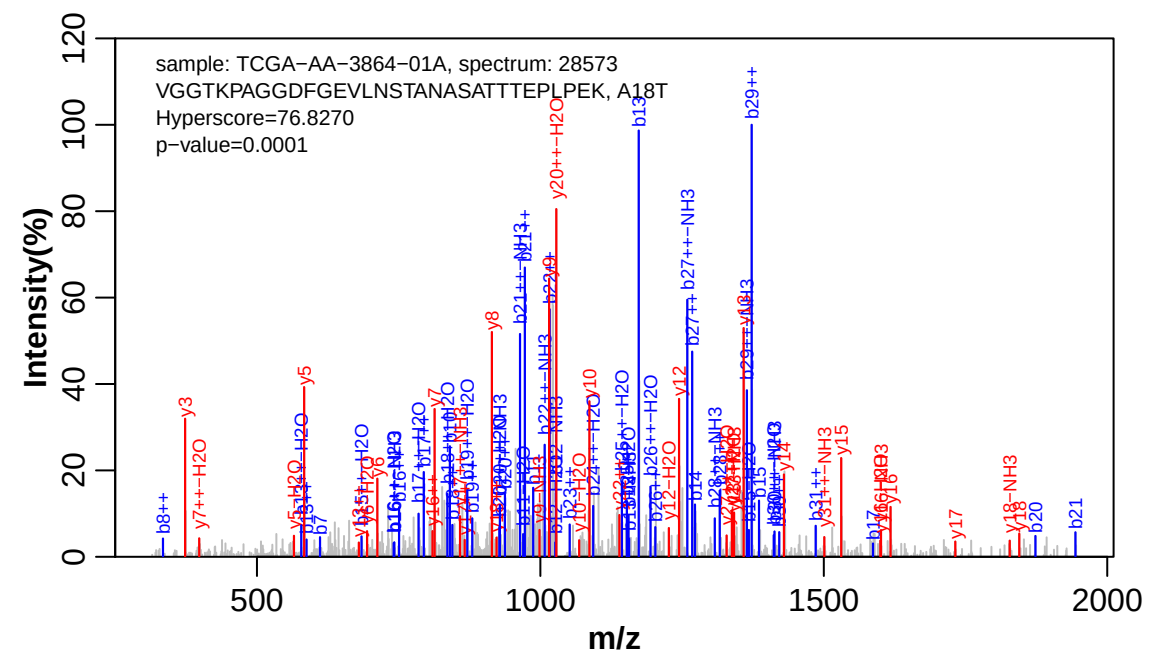

sample: TCGA−AA−3864−01A, spectrum: 42523
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=33.5281
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
b15++−NH3
b27++
b22++−NH3
b25++−H2O
y7
b19++−NH3
y20++−NH3
y2
b4
y3
y5−NH3
b11++
b15−NH3
y17
b19

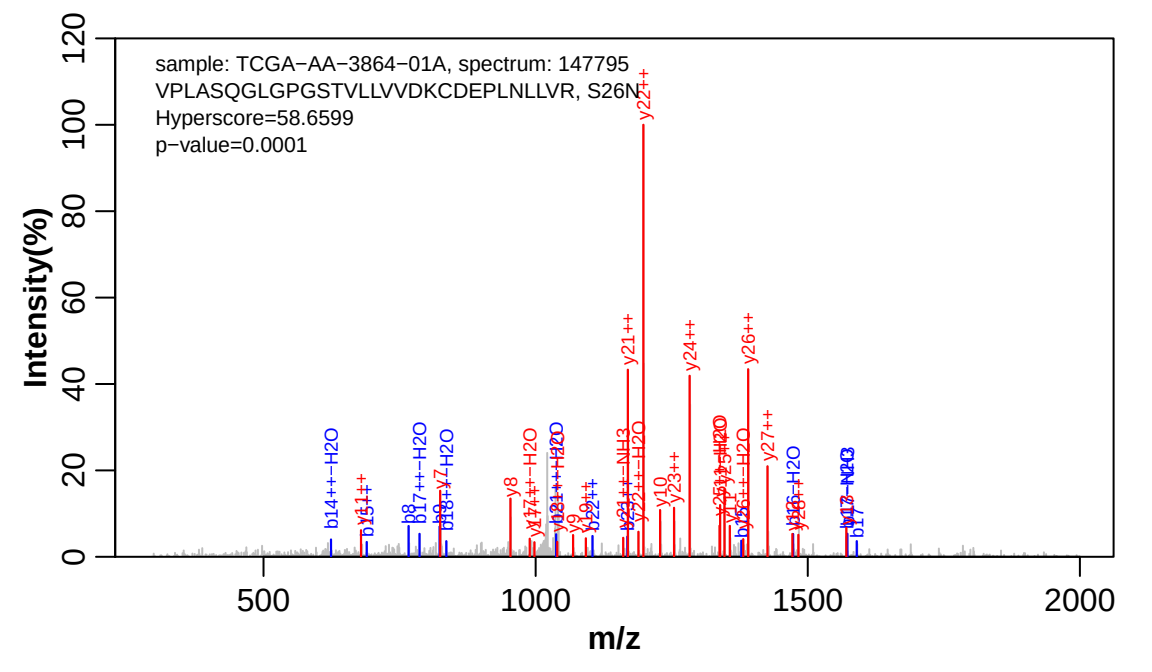

sample: TCGA−AA−3864−01A, spectrum: 95932
TGEATVASGLPAGWMGLDCGPESSKK, Q3E
Hyperscore=31.4966
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7++
y9++−NH3
y9++
b6+−H2O
y7+−H2O
y6+−H2O
b7−H2O
b14++−H2O
y8++−H2O
b8−H2O
b8+−H2O
y13++
y14++
b17++−H2O
y16++−NH3
y16++
b10−NH3
b10
b18++−H2O
y18++
y18++−H2O
y18+−NH3
y18+−H2O
y20++
y20++−NH3
b12−NH3
b12
b13++−H2O
b13−H2O
y22++−H2O
y22++
y23++−NH3−H2O
y11
b25++−H2O
b25++
b14−H2O

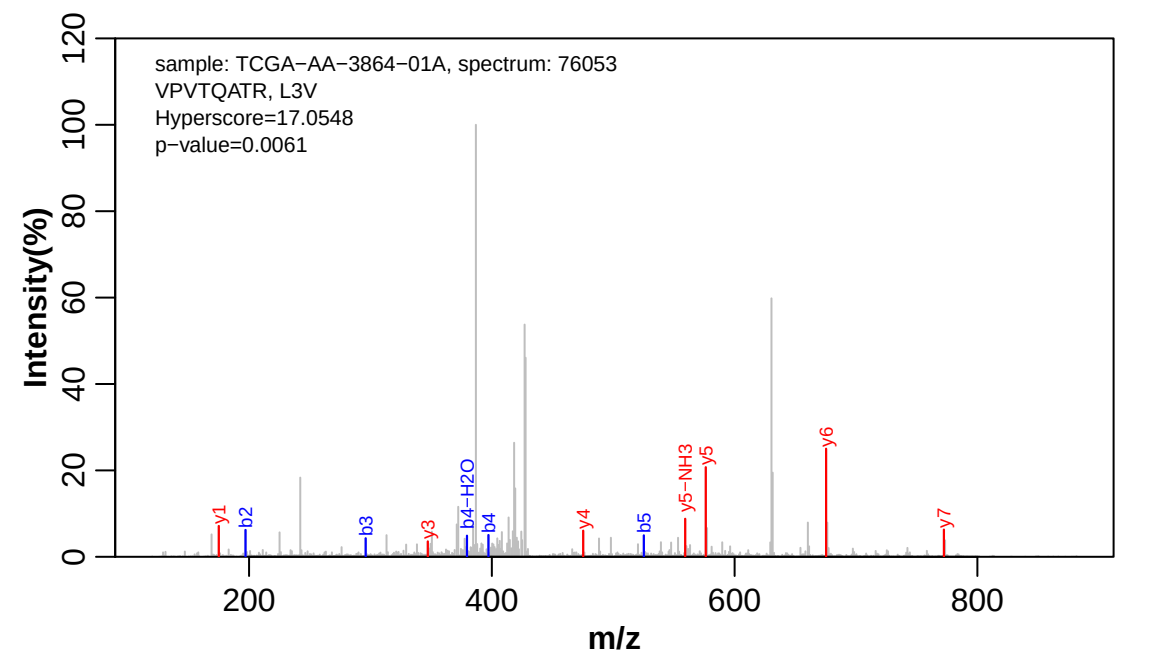

sample: TCGA−AA−3864−01A, spectrum: 19261
TPCSSLLPLLNVHAATSGK, A12V
Hyperscore=55.6550
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y12++
y11++−H2O
y7++
b7++−H2O
b4−NH3
y4
y3
y3++−H2O
y3++−NH3
y11++−H2O
y7
y13++
b13++−H2O
b8
y16++
y9
b16++−NH3
b18++−H2O
y18++
b9
y10−NH3
y10
y11
y12

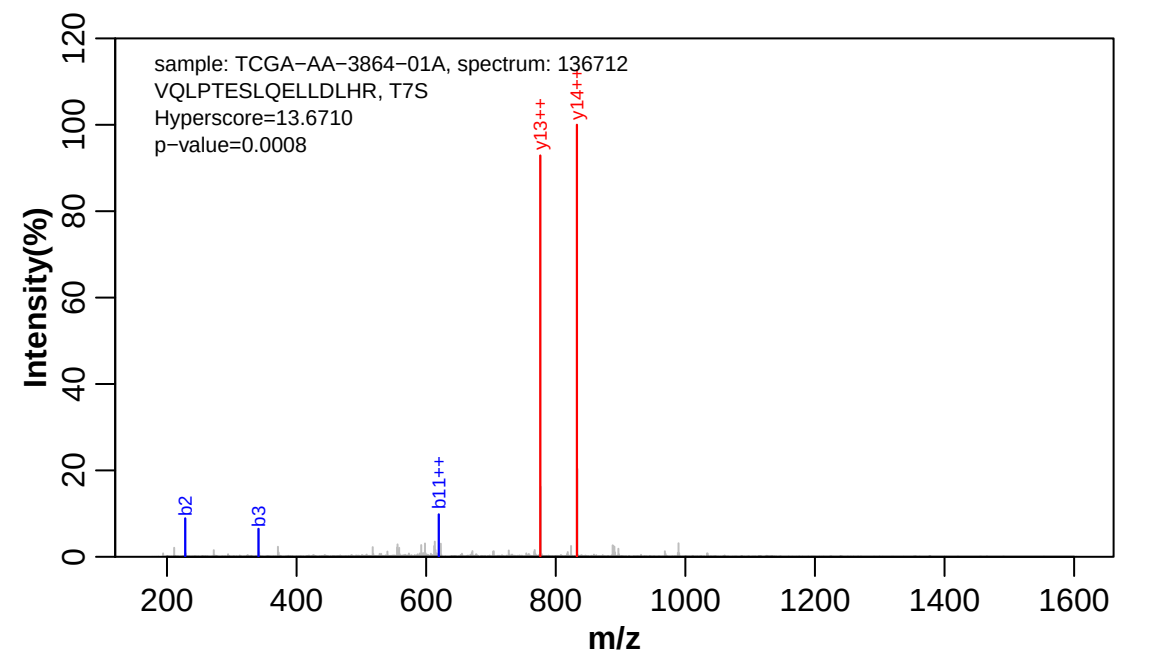

sample: TCGA−AA−3864−01A, spectrum: 7654
TVEHGFPHQPSALGYSPSLHLLALGTR, R20H
Hyperscore=80.5396
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b13+++−H2O
b9++
y11++
y18+++
y19+++−H2O
b6
y18++
b9
y11
b12−H2O

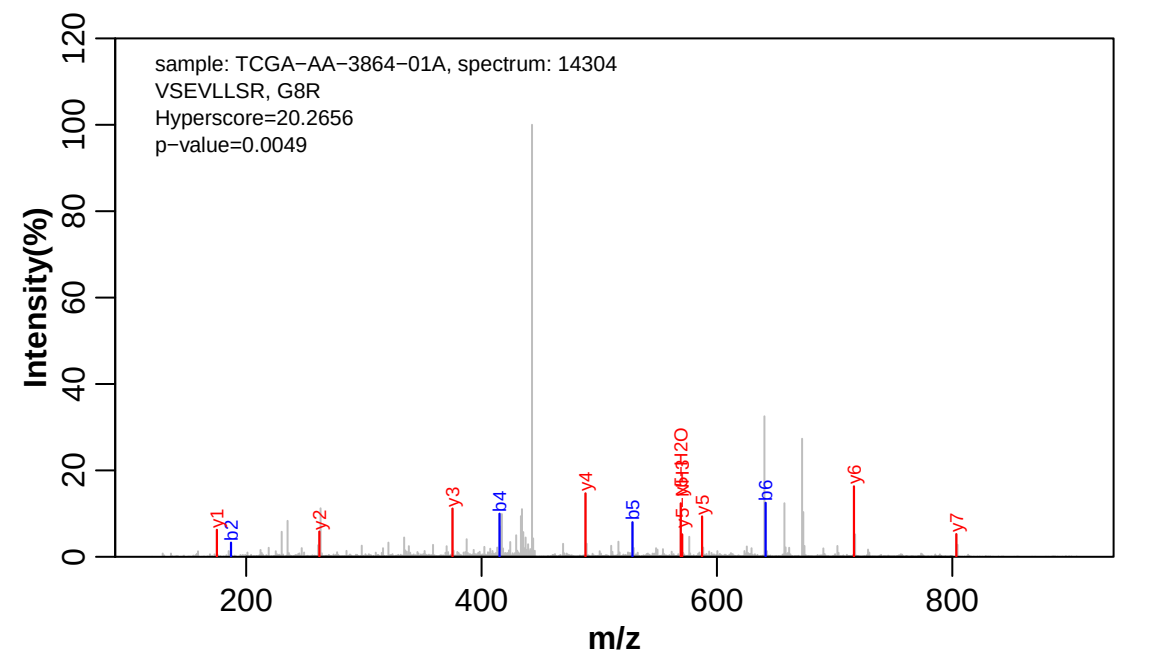

sample: TCGA−AA−3864−01A, spectrum: 17598
VDATEVSDLAQQYGVR, E6V
Hyperscore=108.7849
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y1
y4++
y2
y5++−H2O
y3
y6++−NH3
y6++
b4
y7++−H2O
y7++
b5++−H2O
b5++
b8++−H2O
b8++
b5
y9++
y4
y10++
y10+++
b6
y5
b13++
y6
b14++
b15++
b8
y7
b9
b9−H2O
b10−H2O
b10
b11
b12

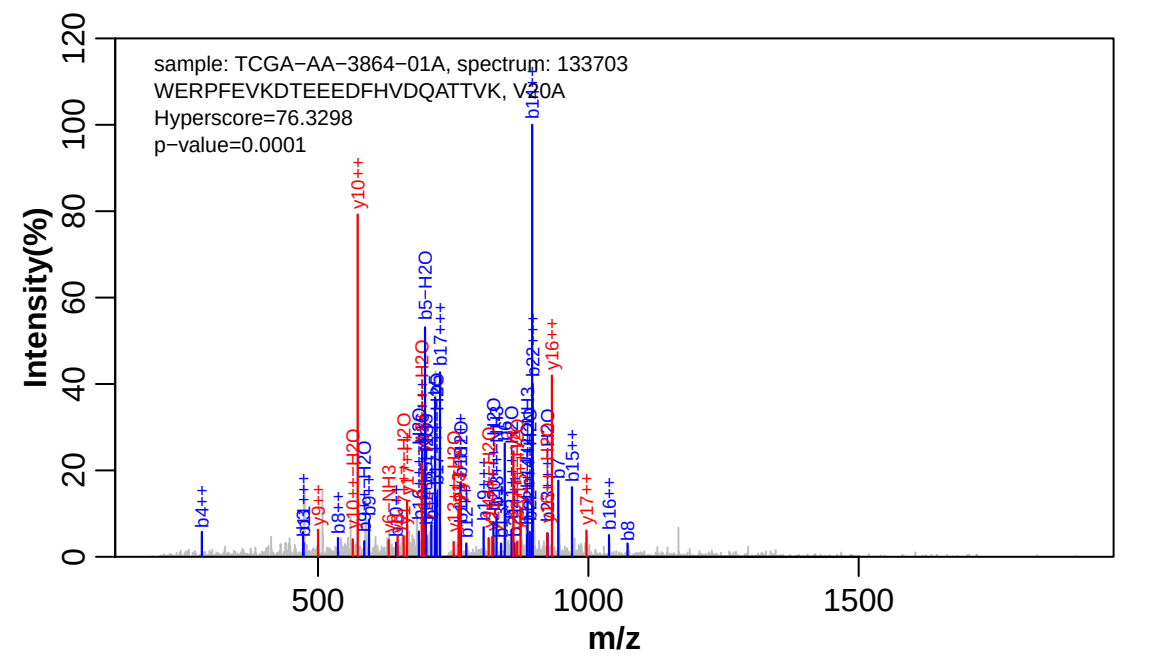

sample: TCGA−AA−3864−01A, spectrum: 28573
VGGTKPAGGDFGEVLNSTANASATTTEPLPEK, A18T
Hyperscore=76.8270
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b8++
y3
y7++−H2O
y5
y5−H2O
y8
b13
y20++−H2O
b29++
b27++−NH3
y12
y15
y17
y18−NH3
b20
b21

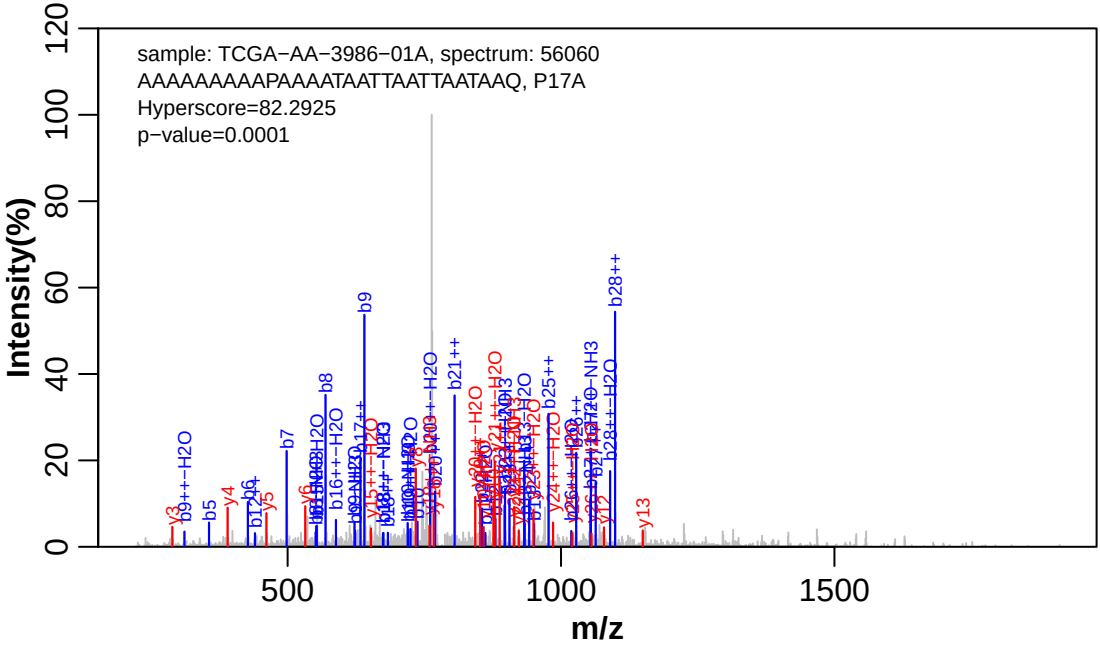

sample: TCGA−AA−3864−01A, spectrum: 147795
VPLASQGLGPGSTVLLVVDKCDEPLNLLVR, S26N
Hyperscore=58.6599
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y22++
y21++
y24++
y26++
y27++
y23++
y19
y8
b14++−H2O
b15++
b17++−H2O
b18++−H2O
b22++
b17

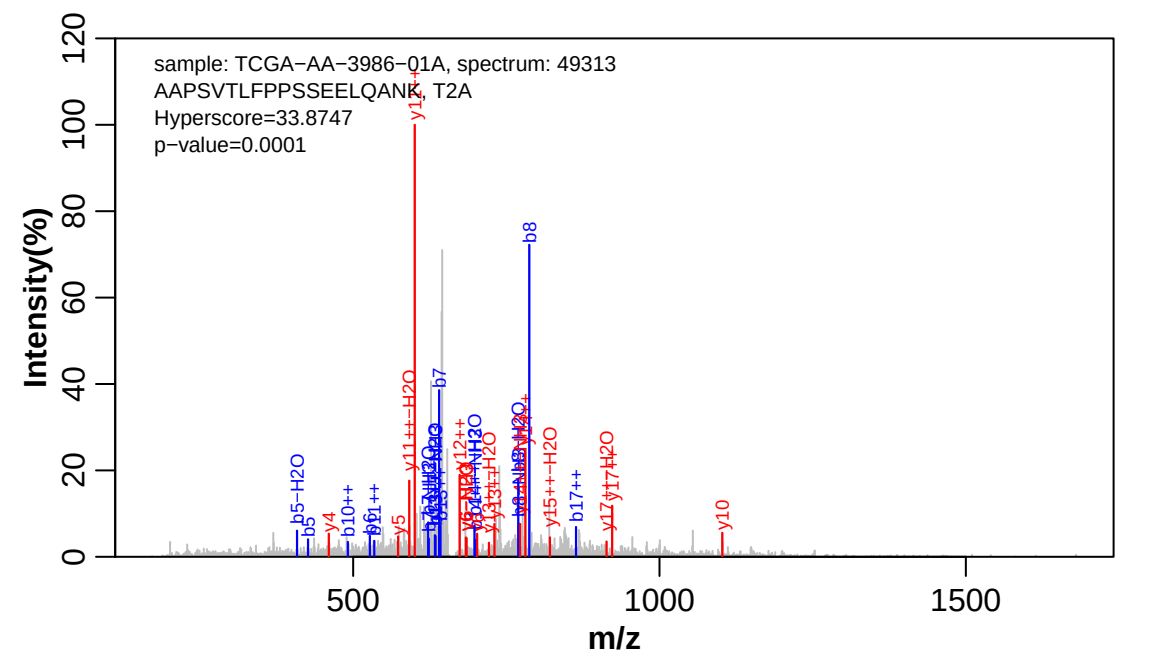

sample: TCGA−AA−3864−01A, spectrum: 76053
VPVTQATR, L3V
Hyperscore=17.0548
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
b4−H2O
b4
y4
b5
y5−NH3
y5
y6
y7

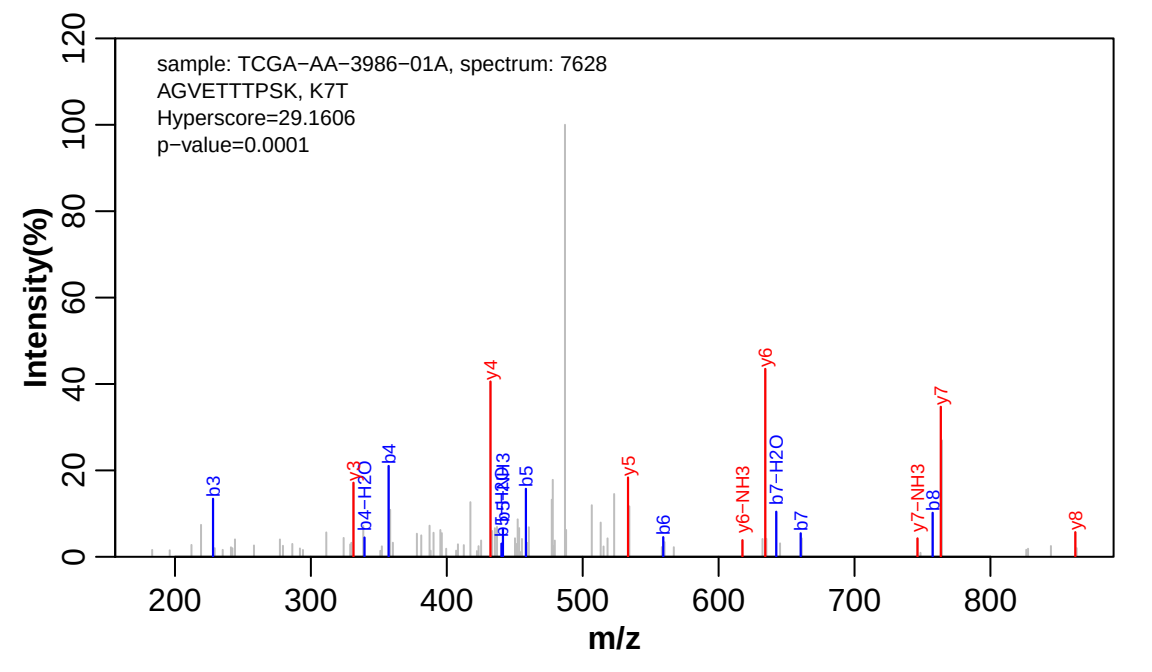

sample: TCGA−AA−3864−01A, spectrum: 136712
VQLPTESLQELLDLHR, T7S
Hyperscore=13.6710
p−value=0.0008
y13++
y14++
b2
b3
b11++
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

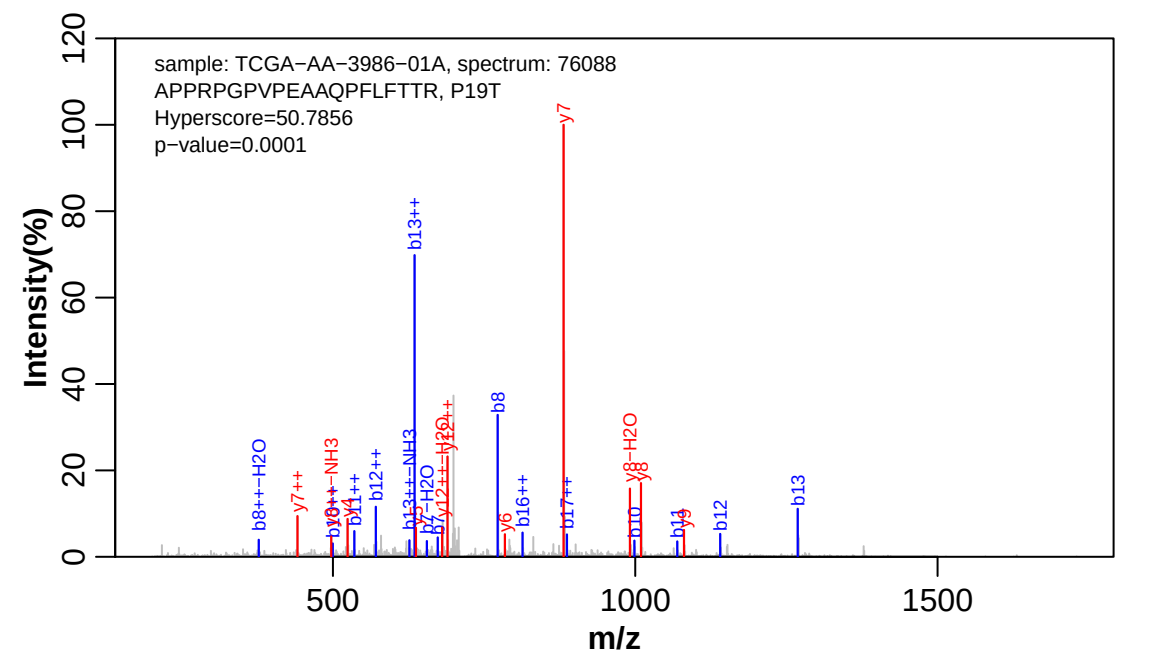

sample: TCGA−AA−3864−01A, spectrum: 14304
VSEVLLSR, G8R
Hyperscore=20.2656
p−value=0.0049
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
y3
b4
y4
b5
y5−NH3
y5−H2O
y5
b6
y6
y7

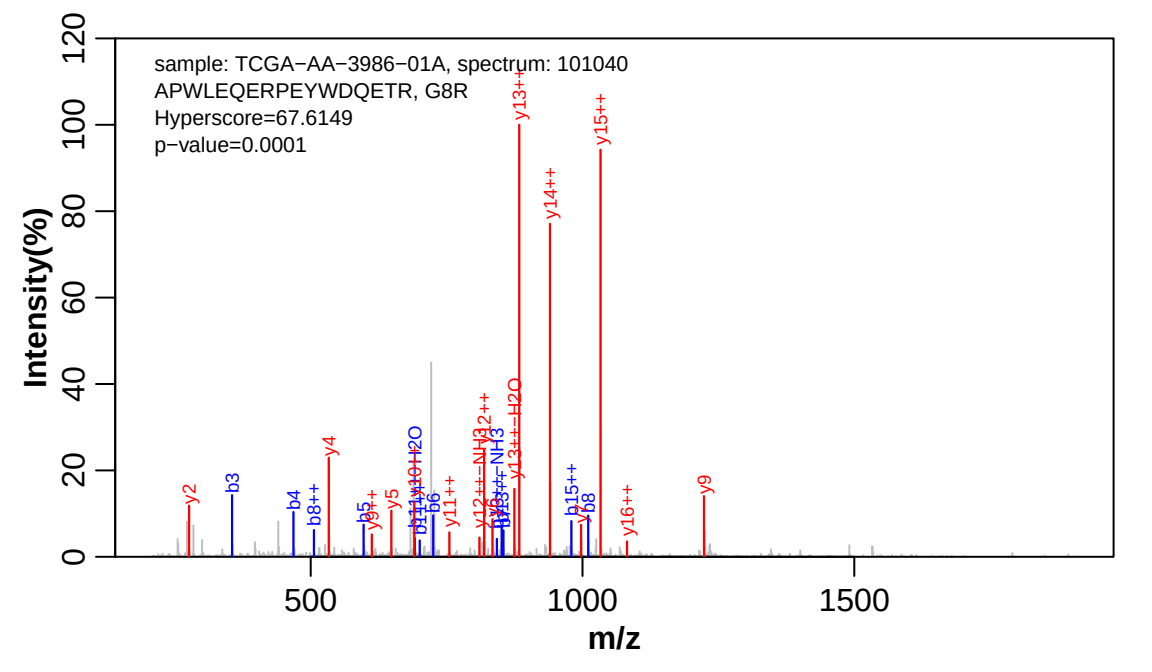

sample: TCGA−AA−3864−01A, spectrum: 133703
WERPFEVKDTEEEDFHVDQATTVK, V20A
Hyperscore=76.3298
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4++
y9++
b8++
y10++
b5−H2O
b17+++
y16++
b15++
y17++
b16++
b8
b22+++

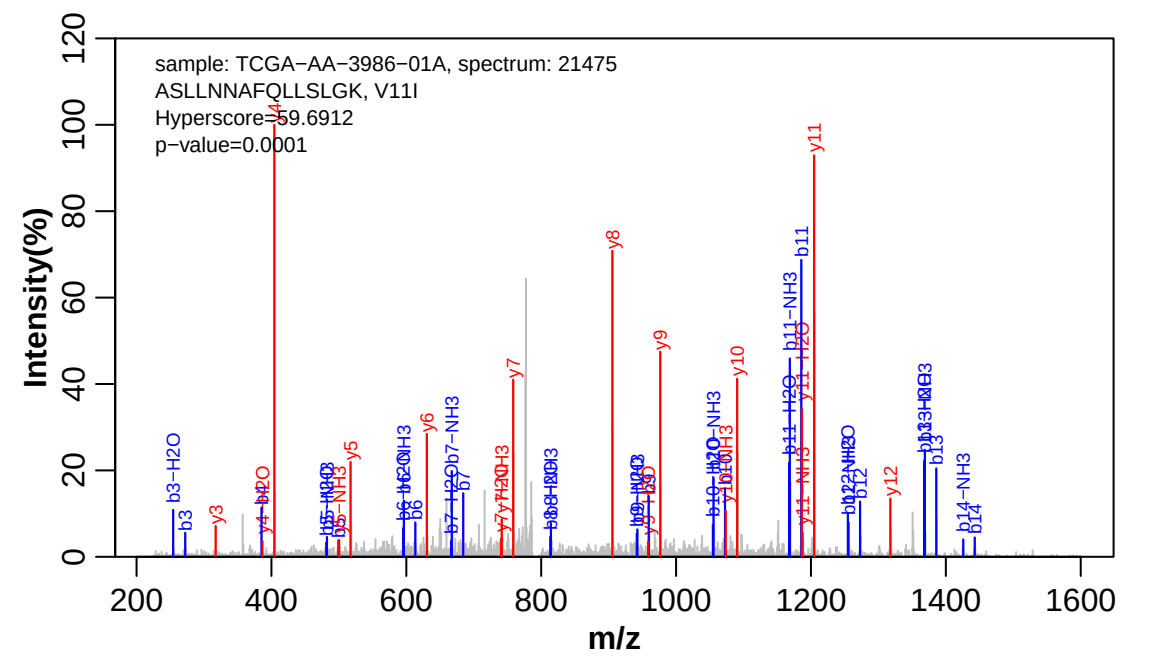

sample: TCGA−AA−3986−01A, spectrum: 56060
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=82.2925
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9++−H2O
b5
y4
b12
b6
y5
b7
y6
b8
b16++−H2O
b9
b17++
y15++−H2O
b21++
b25++
b28++
b28++−H2O
b28++−NH3
y13

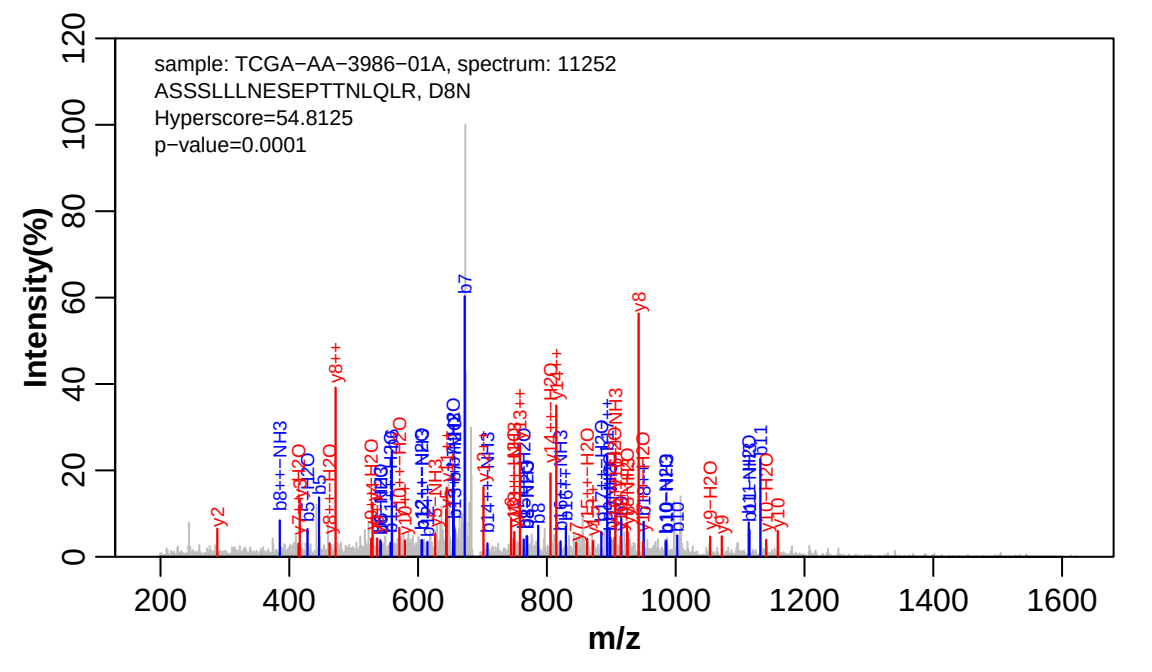

sample: TCGA−AA−3986−01A, spectrum: 49313
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=33.8747
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12++
b8
y11++−H2O
b7
b5−H2O
b5
y4
b10++
y5
y15++−H2O
b17++
y17++H2O
y10

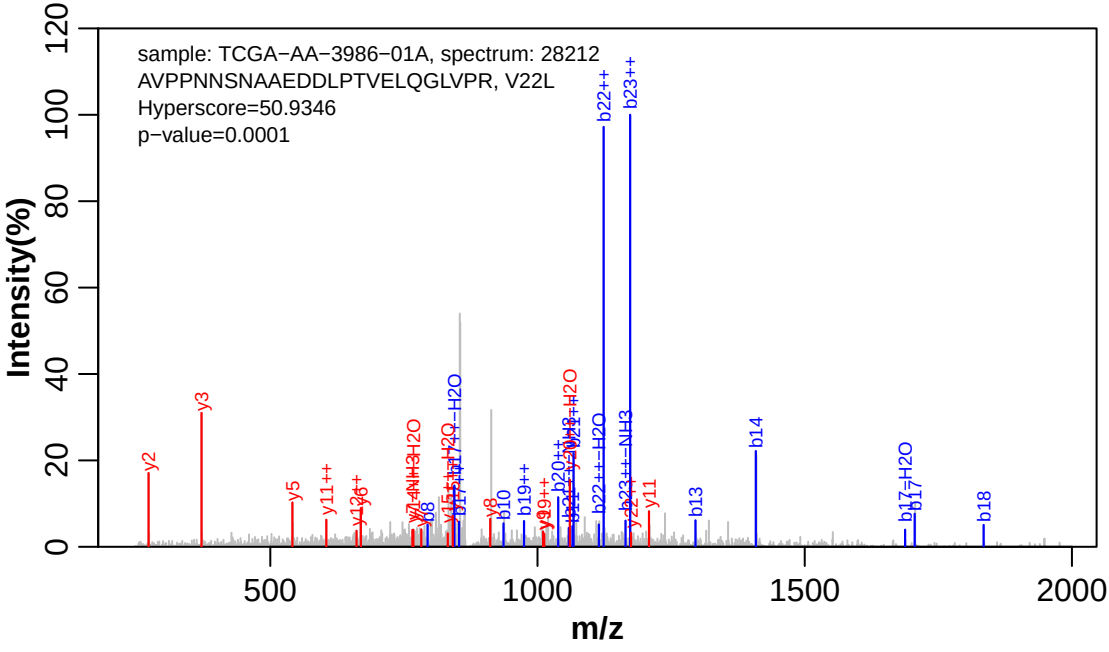

sample: TCGA−AA−3986−01A, spectrum: 7628
AGVETTTPSK, K7T
Hyperscore=29.1606
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
300
400
500
600
700
800
b3
y3
b4−H2O
b4
y4
b5−H2O
b5−NH3
b5
y5
b6
y6−NH3
y6
b7−H2O
b7
y7−NH3
b8
y7
y8

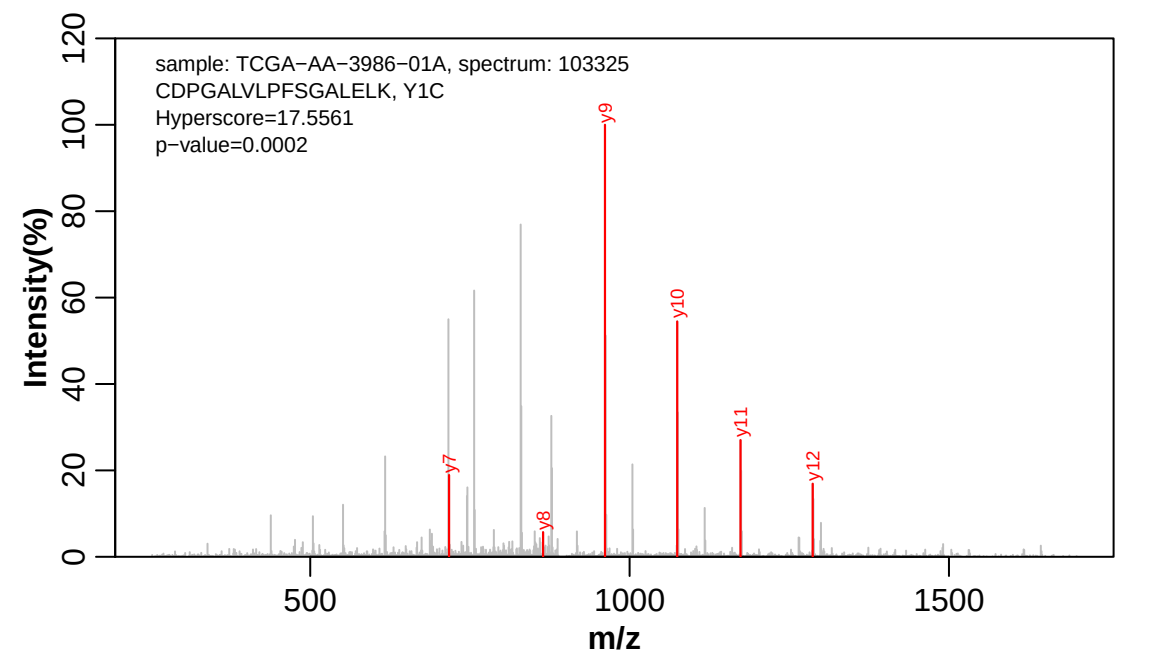

sample: TCGA−AA−3986−01A, spectrum: 76088
APPRPGPVPEAAQPFLFTTR, P19T
Hyperscore=50.7856
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
b13++
b8
y8−H2O
b13
b8++−H2O
y7++
b10++−NH3
b11++
b12++
b13++−NH3
b7−H2O
y12++−H2O
y12++
b16++
b17++
b10
y8
b11
b12

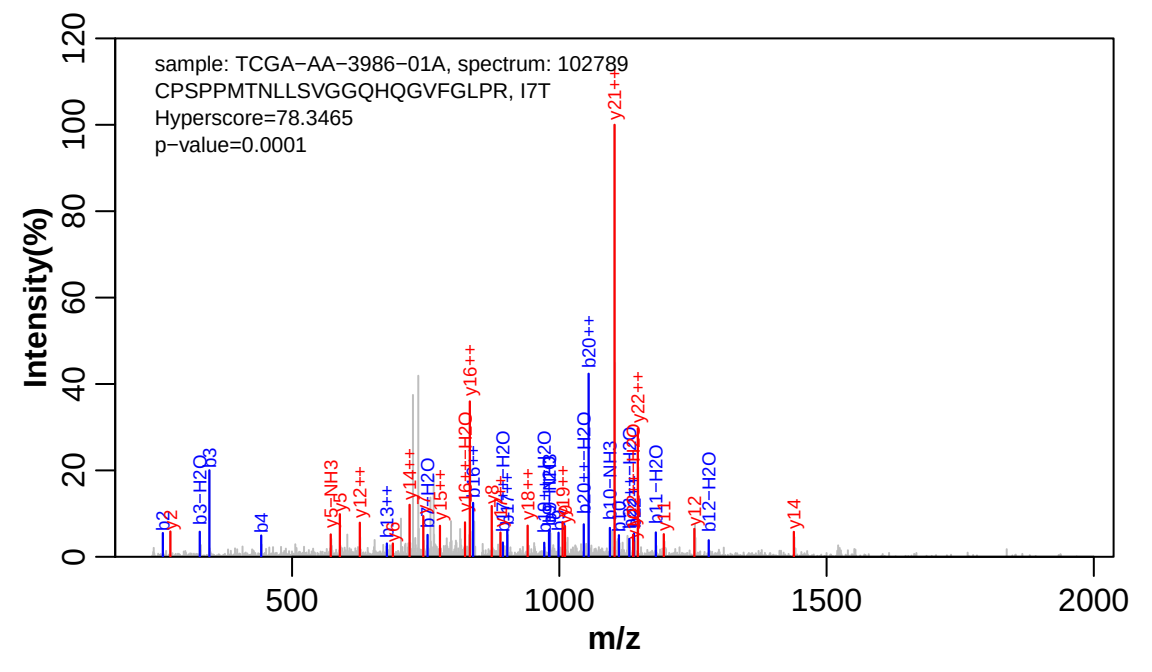

sample: TCGA−AA−3986−01A, spectrum: 101040
APWLEQERPEYWDQETR, G8R
Hyperscore=67.6149
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b3
b4
b8++
y4
b5
y7++
y5
b11++
b10+H2O
b6
y11++
y12++−NH3
b12++
b13++−NH3
y13++−H2O
y13++
y14++
b15++
y8
y15++
y16++
y9

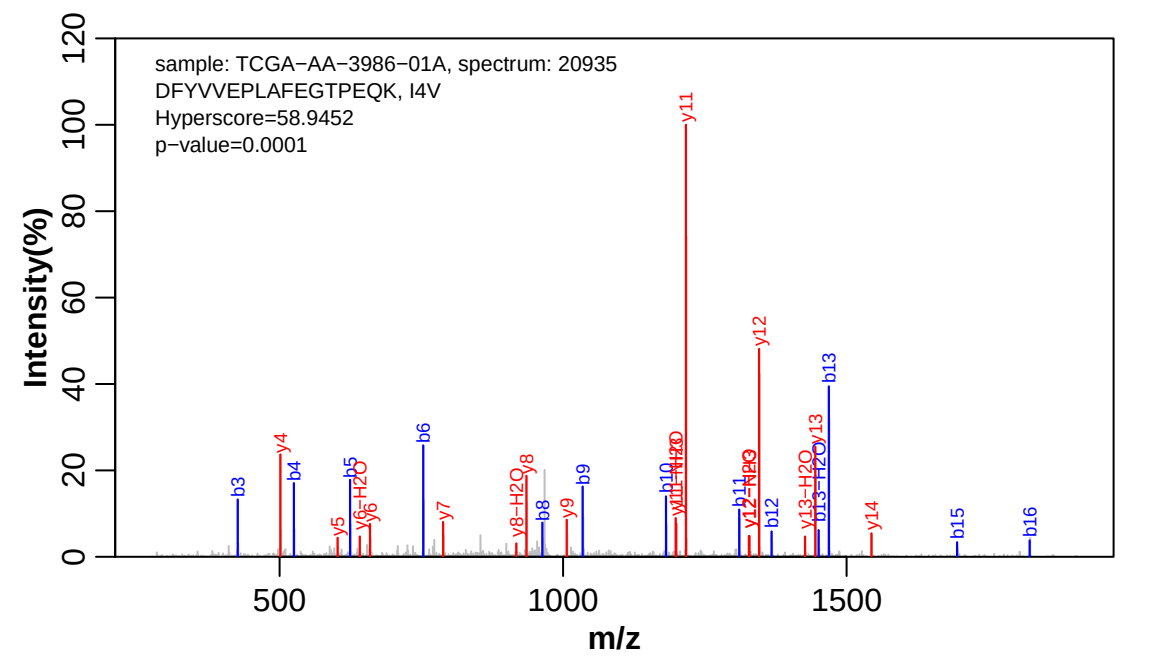

sample: TCGA−AA−3986−01A, spectrum: 21475
ASLLNNAFQLLSLGK, V11I
Hyperscore=59.6912
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
y3
y4
y4−H2O
y4−NH3
y5
y5−H2O
y5−NH3
b5
b5−H2O
b5−NH3
y6
y6−H2O
y6−NH3
b6
b6−H2O
b6−NH3
b7
b7−H2O
b7−NH3
y7
y7−H2O
y7−NH3
b8
b8−H2O
b8−NH3
y8
y8−H2O
y8−NH3
b9
b9−H2O
b9−NH3
y9
y9−H2O
y9−NH3
b10
b10−H2O
b10−NH3
y10
y10−H2O
y10−NH3
b11
b11−H2O
b11−NH3
y11
y11−H2O
y11−NH3
b12
b12−H2O
b12−NH3
y12
b13
b13−H2O
b13−NH3
b14
b14−NH3

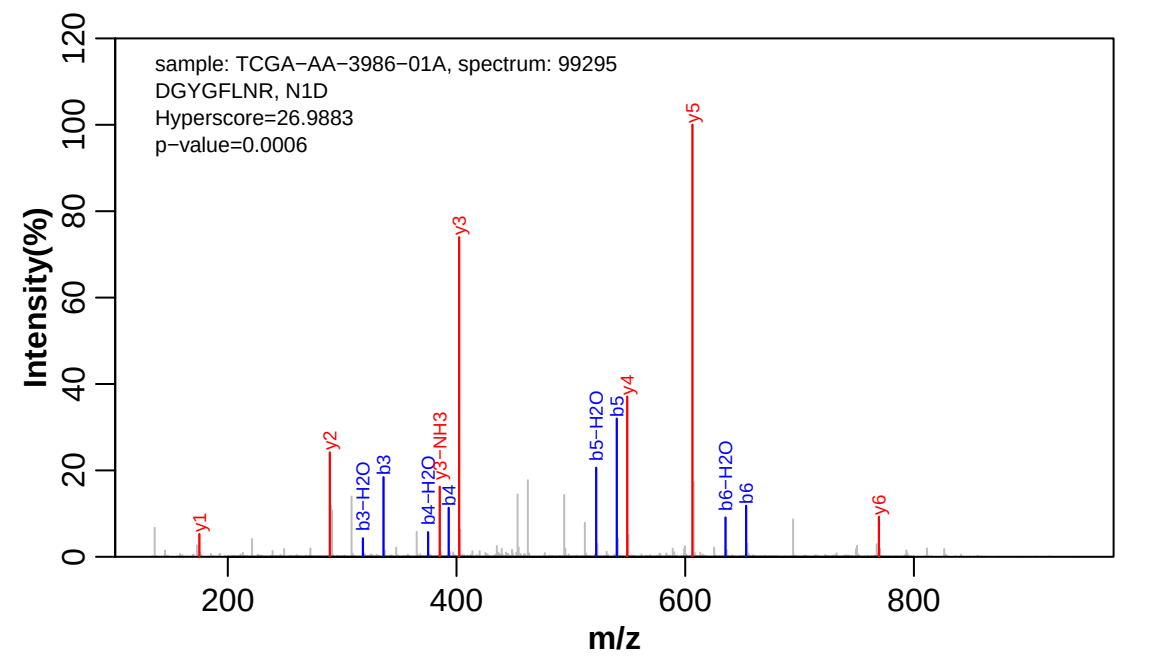

sample: TCGA−AA−3986−01A, spectrum: 11252
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=54.8125
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b7
y8
y8++
b8++−NH3
y2
y9−H2O
y10−H2O

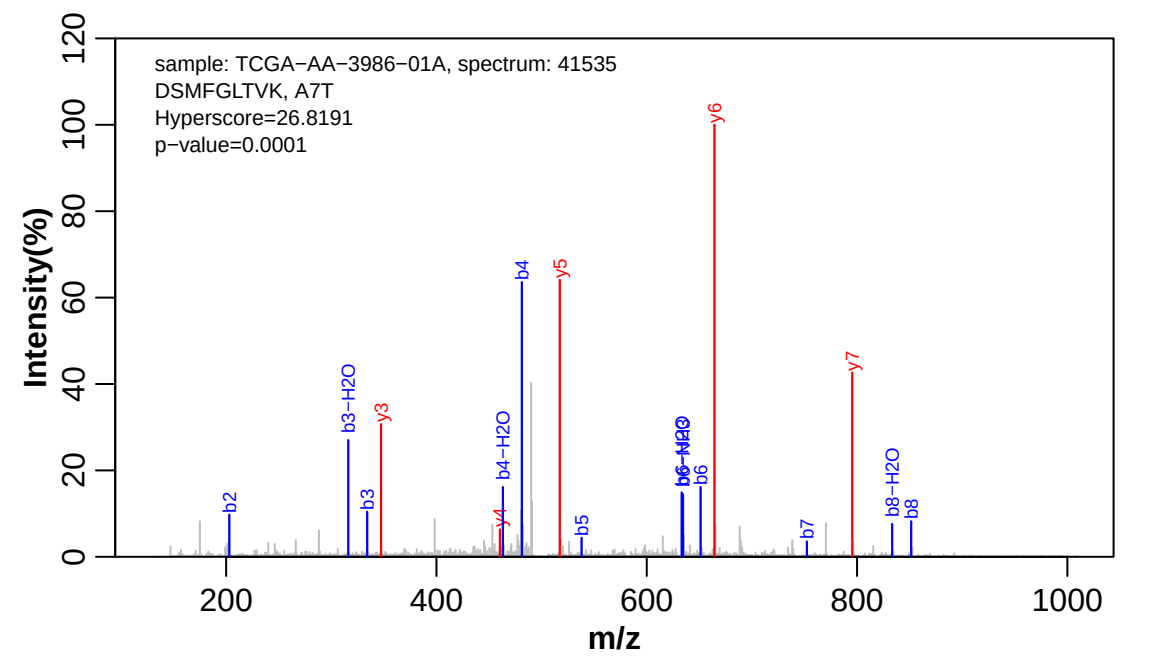

sample: TCGA−AA−3986−01A, spectrum: 28212
AVPPNNSNAAEDDLPTVELQGLVPR, V22L
Hyperscore=50.9346
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y5
y11++
y12++
b10
b19++
b13
b14
b17−H2O
b17
b18
b22++
b23++
y11

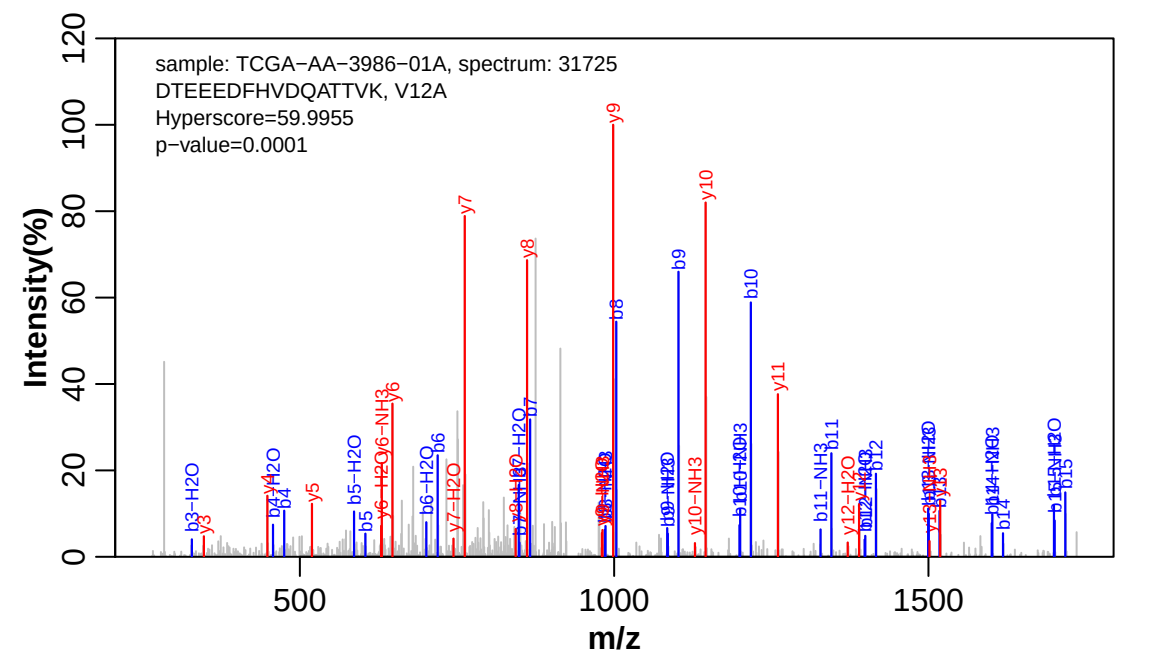

sample: TCGA−AA−3986−01A, spectrum: 103325
CDPGALVLPFSGALELK, Y1C
Hyperscore=17.5561
p−value=0.0002
y7
y8
y9
y10
y11
y12
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

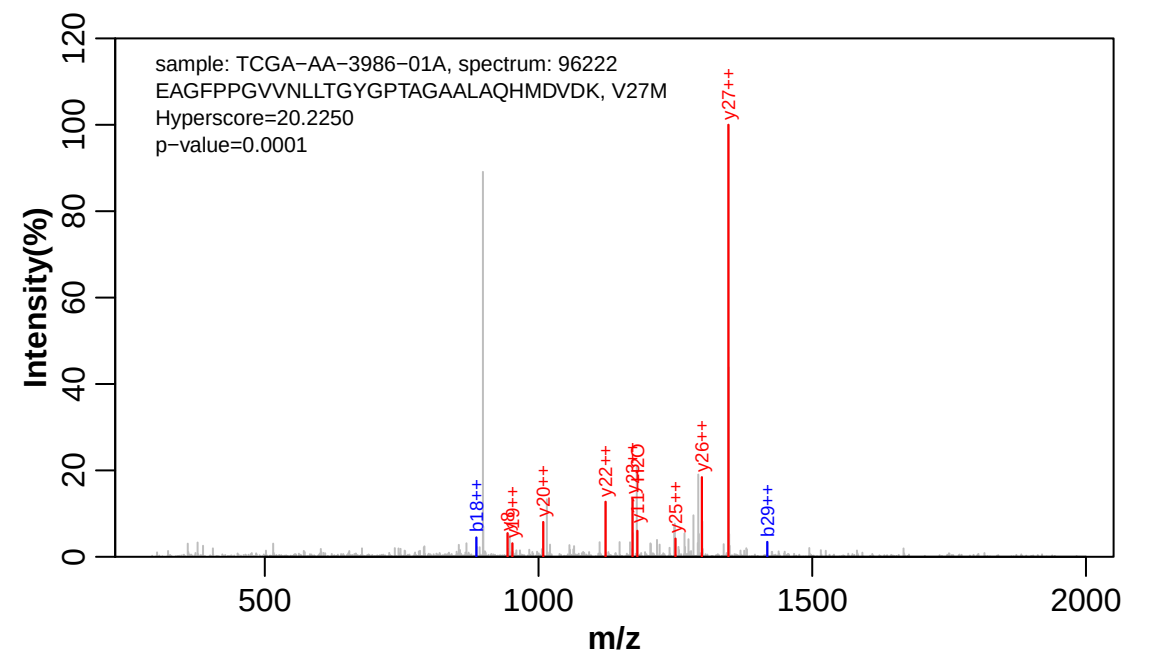

sample: TCGA−AA−3986−01A, spectrum: 102789
CPSPPMTNLLSVGGQHQGVFGLPR, I7T
Hyperscore=78.3465
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y21++
b20++
y16++
y22++
b2
y2
b3−H2O
b3
b4
y5−NH3
y5
y12++
b13++
y8
y14++
b7−H2O
y15++
y16++−H2O
b8
b7++−H2O
y18++
b20++−H2O
b10−NH3
y11−H2O
y12
b12−H2O
y14

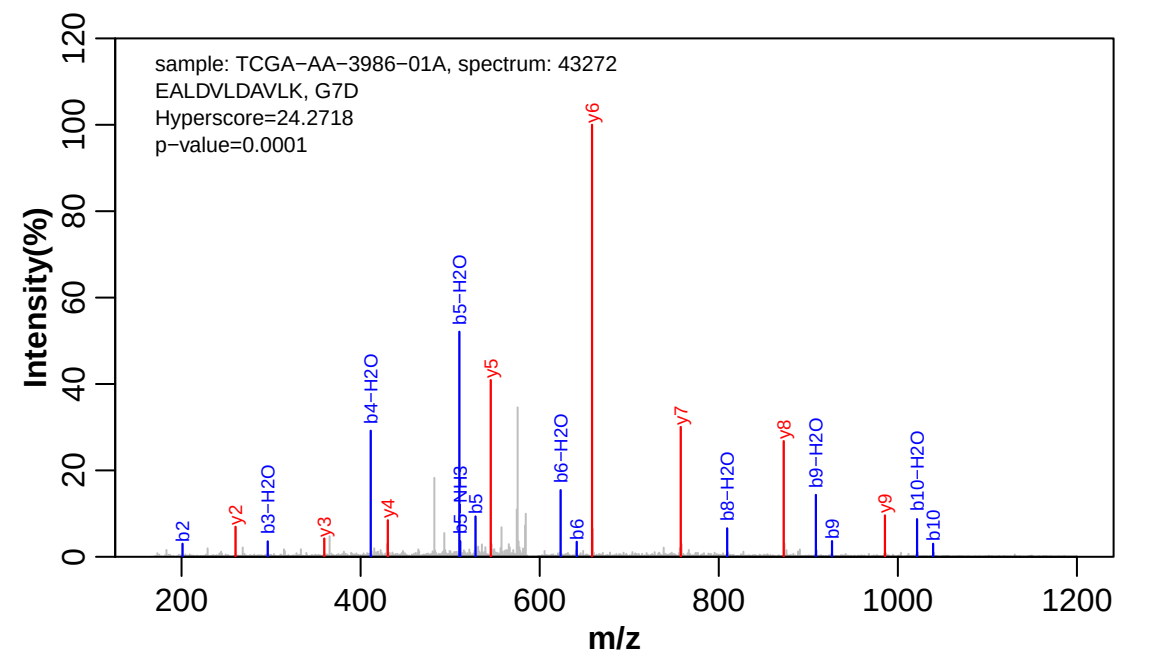

sample: TCGA−AA−3986−01A, spectrum: 20935
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=58.9452
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
y5
b5
y6−H2O
y6
b6
y7
y8−H2O
y8
b8
y9
b9
b10
y10−NH3
y10−H2O
y10
y11
b11
y12−NH3
y12−H2O
y12
b12
y13−H2O
b13−H2O
y13
b13
y14
b15
b16

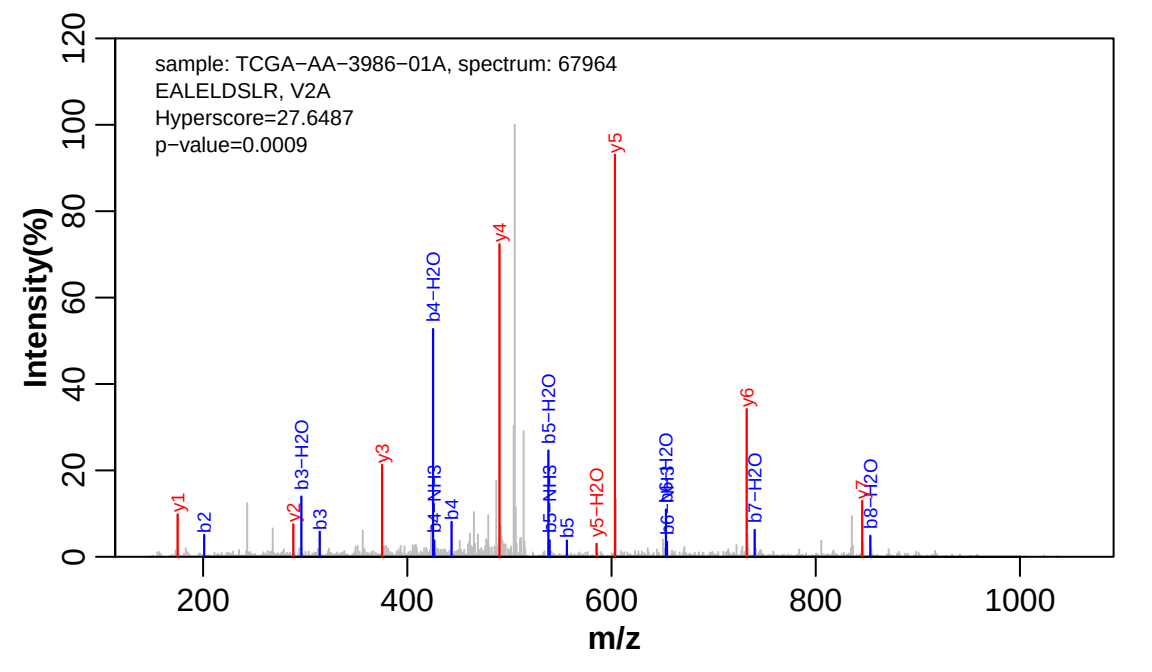

sample: TCGA−AA−3986−01A, spectrum: 99295
DGYGFLNR, N1D
Hyperscore=26.9883
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
y6

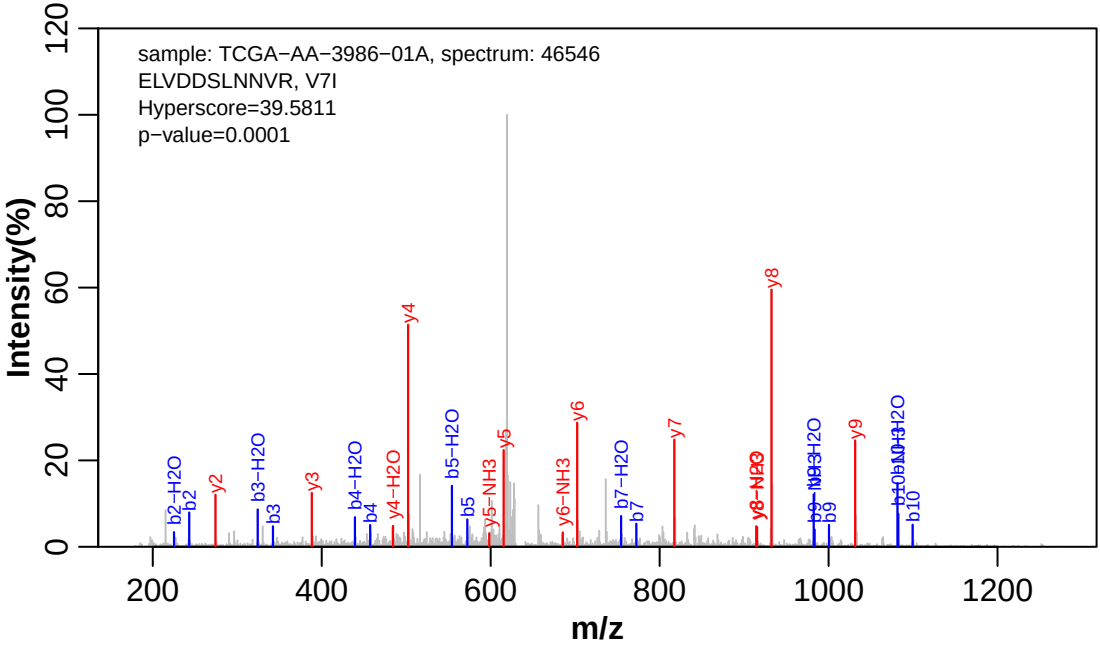

sample: TCGA−AA−3986−01A, spectrum: 41535
DSMFGLTVK, A7T
Hyperscore=26.8191
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y3
b4−H2O
y4
b4
y5
b5
b6
y6
b7
y7
b8−H2O
b8

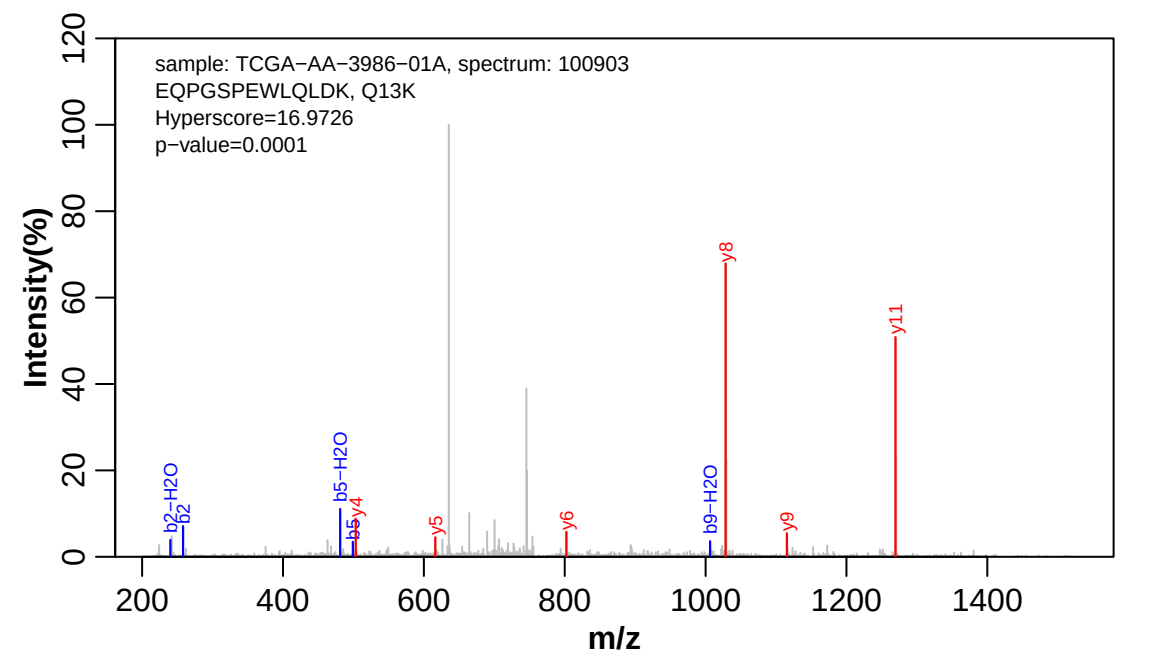

sample: TCGA−AA−3986−01A, spectrum: 31725
DTEEEDFHVDQATTVK, V12A
Hyperscore=59.9955
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y10
y7
y8
b9
b8
b10
y11
y6
b7
b6
b5
b11
b12
b15
b14
b4
y5
y4
y3
b3
y12
b13
y13
y14
b16
b17
b18
b19
b20
b21
b22
b23
b24
b25
b26
b27
b28
b29
b30
b31
b32
b33
b34
b35
b36
b37
b38
b39
b40
b41
b42
b43
b44
b45
b46
b47
b48
b49
b50
b51
b52
b53
b54
b55

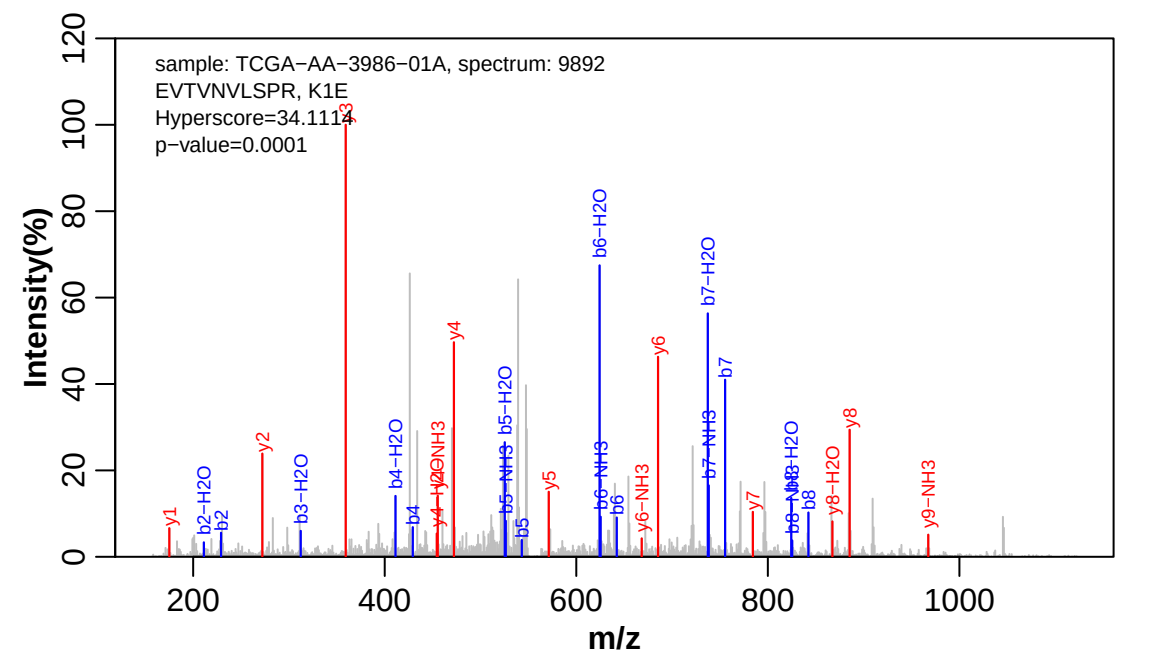

sample: TCGA−AA−3986−01A, spectrum: 96222
EAGFPPGVVNLLTGYGPTAGAALAQHMDVDK, V27M
Hyperscore=20.2250
p−value=0.0001
Intensity(%)
m/z
y27++
b18++
y20++
y22++
y26++
y25++
b29++

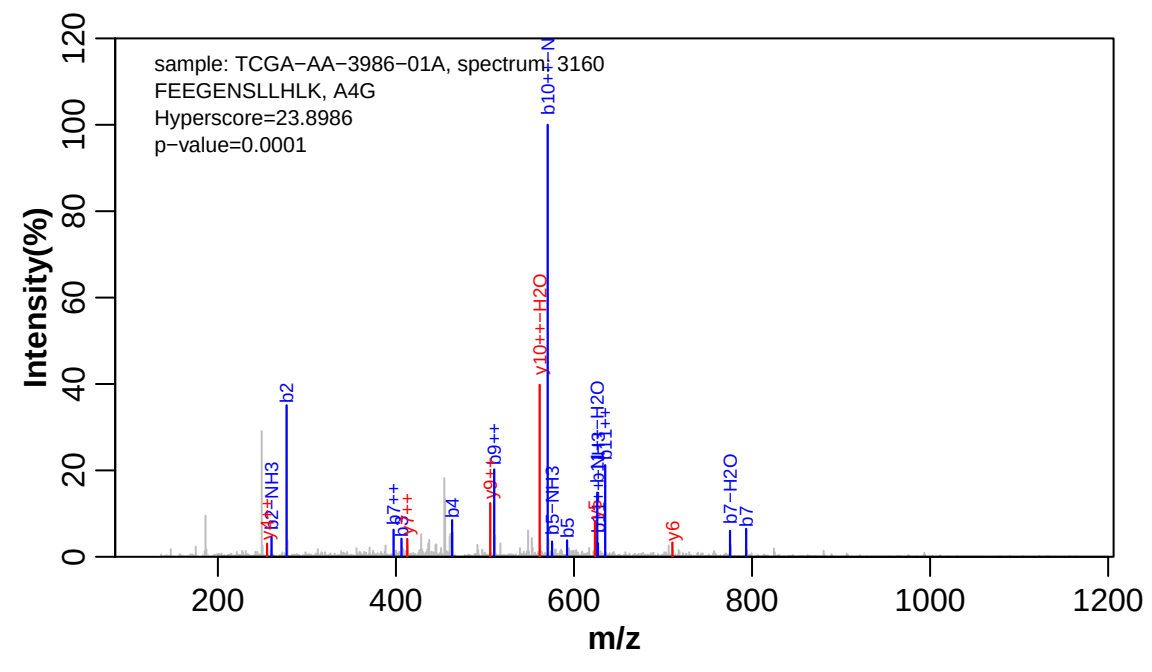

sample: TCGA−AA−3986−01A, spectrum: 43272
EALDVLDAVLK, G7D
Hyperscore=24.2718
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
y3
b4−H2O
y4
b5−NH3
b5
b5−H2O
y5
y6
b6−H2O
b6
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

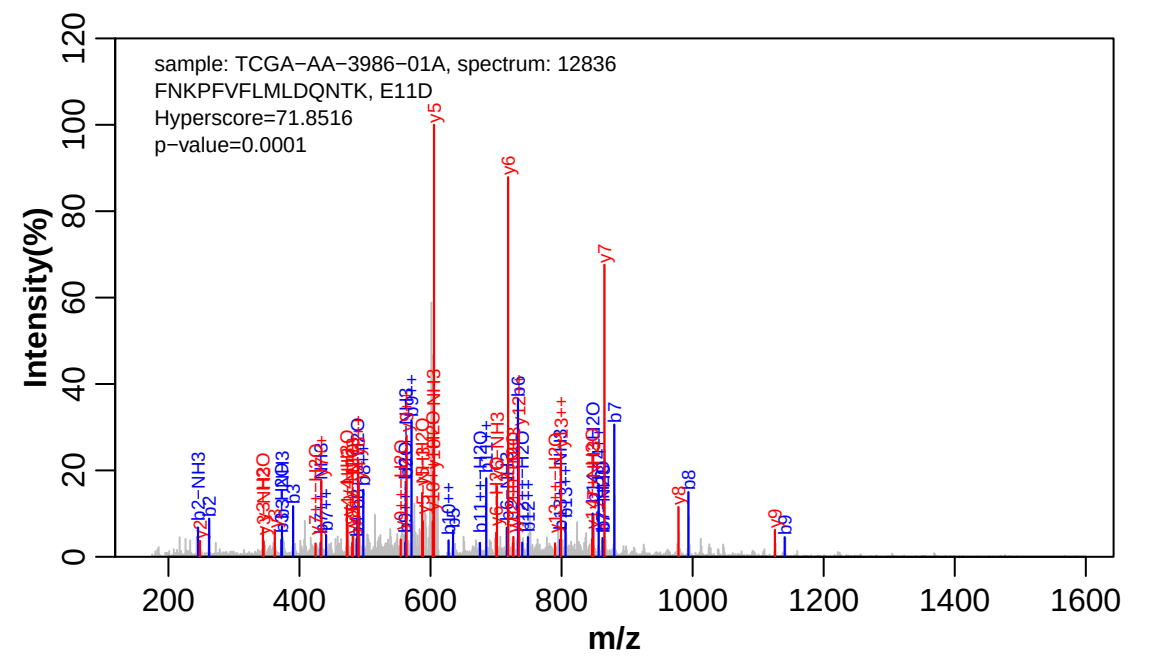

sample: TCGA−AA−3986−01A, spectrum: 67964
EALELDSLR, V2A
Hyperscore=27.6487
p−value=0.0009
Intensity(%)
m/z
y1
b2
y2
b3−H2O
b3
y3
b4−NH3
b4
b4−H2O
y4
b5−NH3
b5
b5−H2O
y5−H2O
y5
b6−NH3
b6−H2O
y6
b7−H2O
y7
b8−H2O

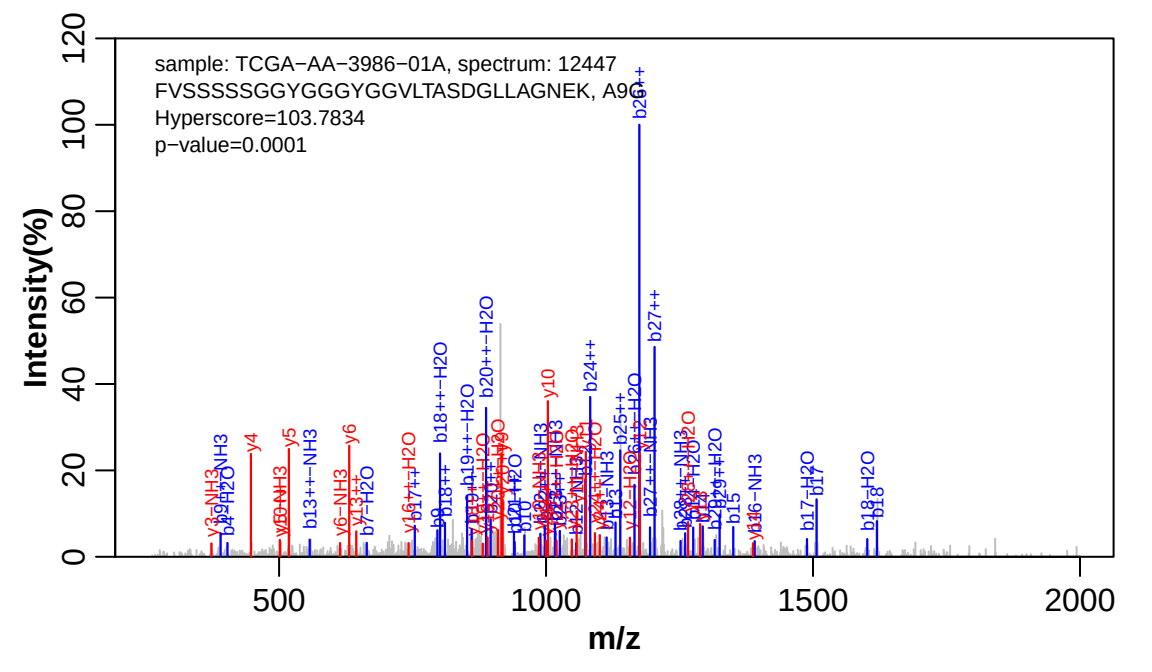

sample: TCGA−AA−3986−01A, spectrum: 46546
ELVDDSLNNVR, V7I
Hyperscore=39.5811
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−H2O
y4
b5−H2O
b5
y5−NH3
y5
y6−NH3
y6
b7−H2O
b7
y7
y8
b9
y9
b10
b11

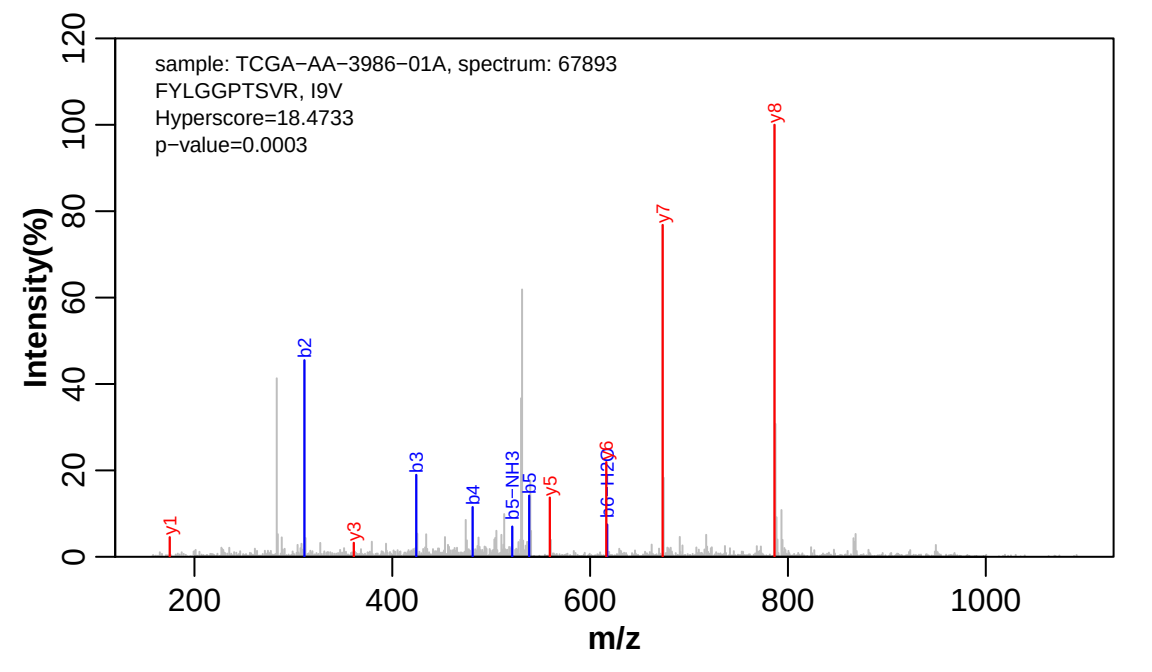

sample: TCGA−AA−3986−01A, spectrum: 100903
EQPGSPEWLQLDK, Q13K
Hyperscore=16.9726
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
m/z
b2−H2O
b2
b5−H2O
y4
b5
y5
y6
b9−H2O
y8
y9
y11

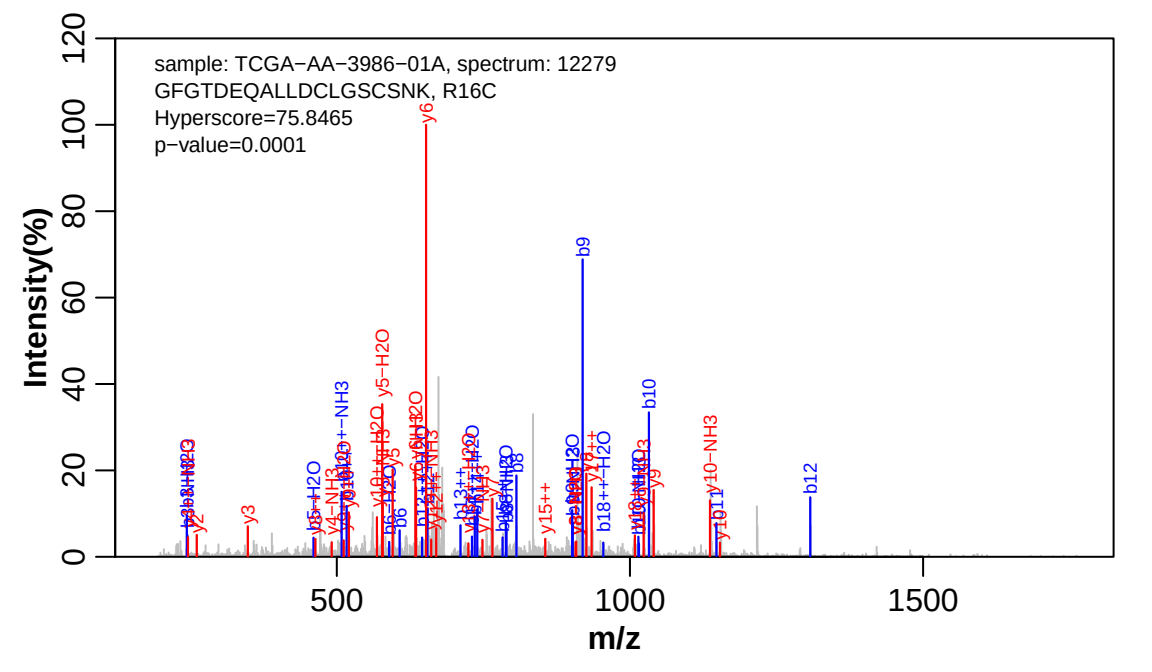

sample: TCGA−AA−3986−01A, spectrum: 9892
EVTVNVLSPR, K1E
Hyperscore=34.1114
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2−H2O
b2
y2
b3−H2O
y3
b4−H2O
b4
y4−H2O
y4−NH3
y4
b5−NH3
b5−H2O
b5
y5
b6−H2O
b6−NH3
b6
y6−NH3
y6
b7−H2O
b7−NH3
b7
y7
b8−NH3
b8−H2O
b8
y8−H2O
y8
y9−NH3

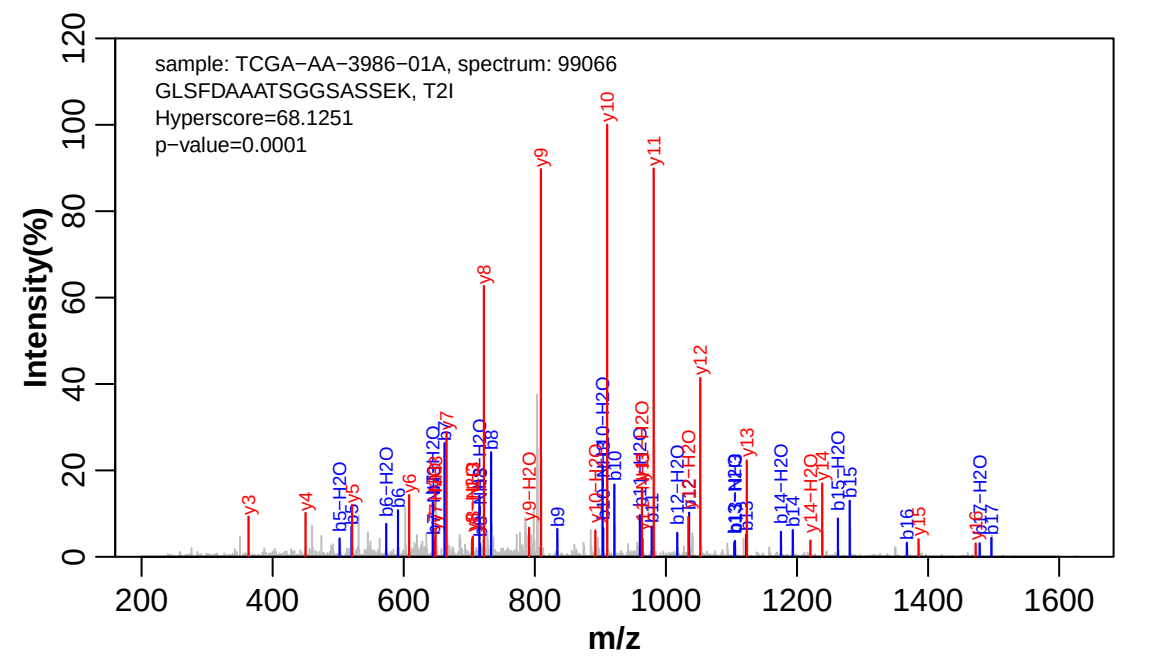

sample: TCGA−AA−3986−01A, spectrum: 3160
FEEGENSLLHLK, A4G
Hyperscore=23.8986
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b10++−N
y10++−H2O
b2
y9+−NH3
b9++
b7++
y7++
b4
b5−NH3
b5
b11++−H2O
y6
b7−H2O
b7

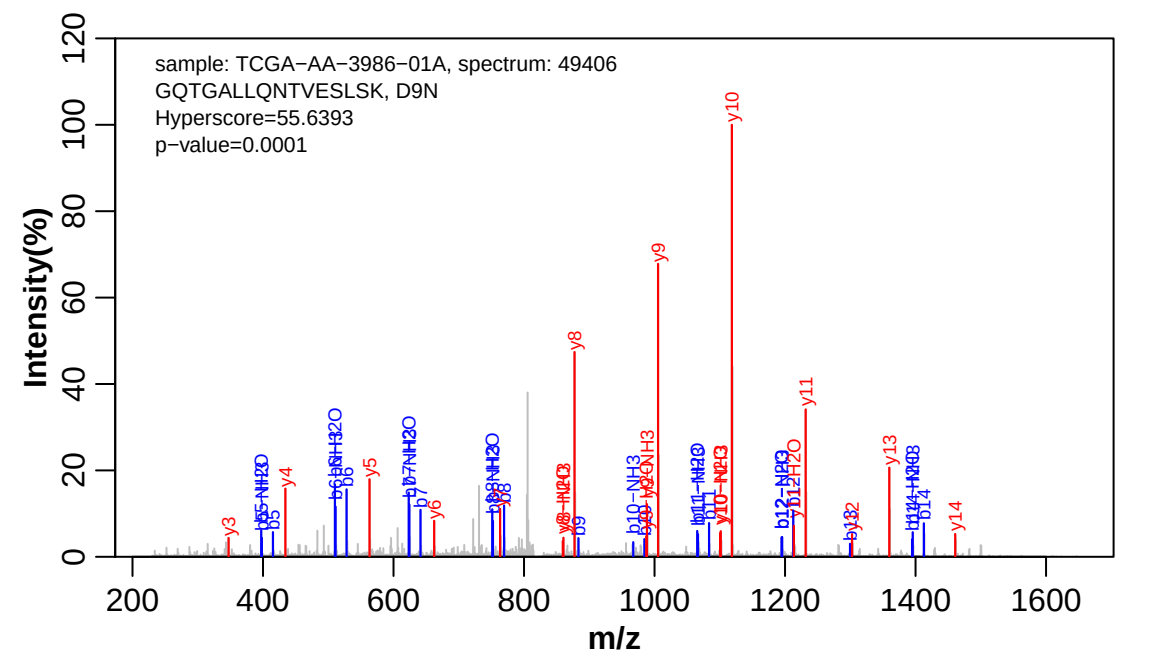

sample: TCGA−AA−3986−01A, spectrum: 12836
FNKPFVFLMLDQNTK, E11D
Hyperscore=71.8516
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
b7
b8
y8
b9
y9

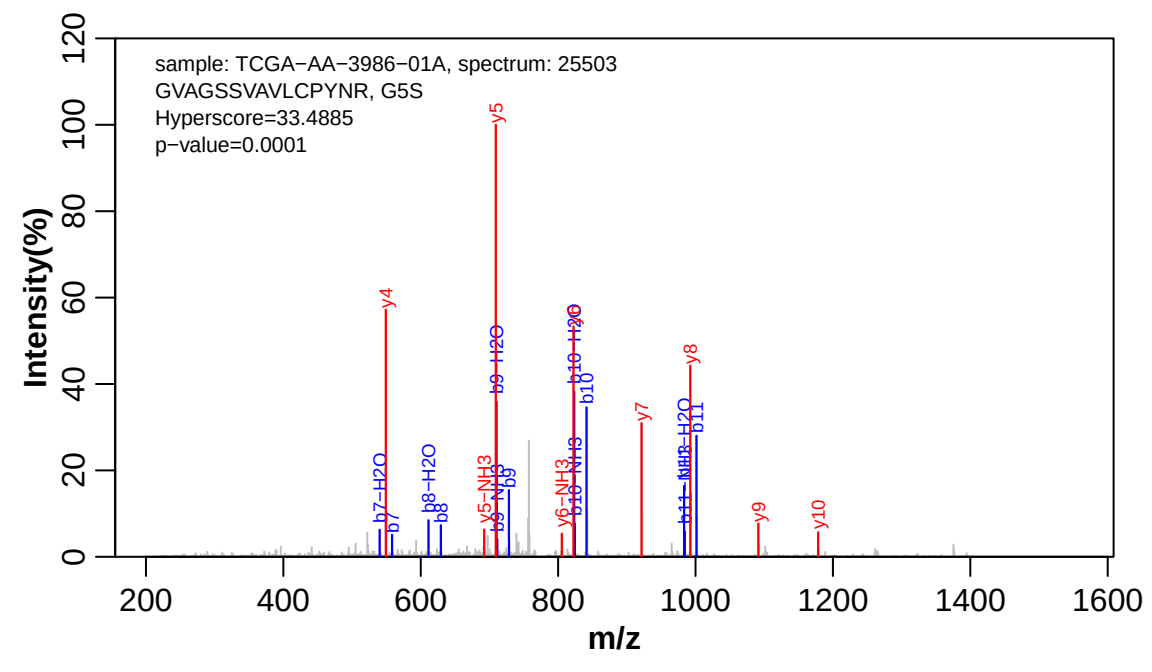

sample: TCGA−AA−3986−01A, spectrum: 12447
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=103.7834
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b26++
b27++
y10
b24++
b20++−H2O
b18++−H2O
b19++−H2O
y4
y5
y6
b13++−NH3
b7−H2O
y6−NH3
y13++
y16++−H2O
y17++−H2O
b18++
b9
b10−H2O
b15
y16−NH3
b17−H2O
b17
b18−H2O
b18

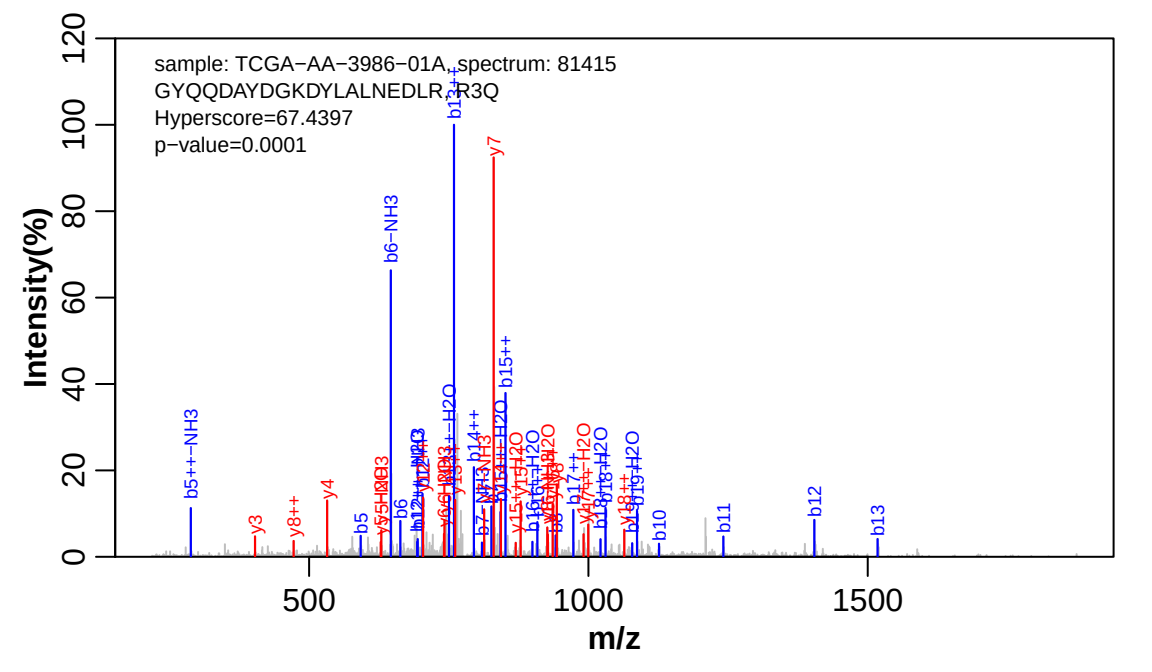

sample: TCGA−AA−3986−01A, spectrum: 67893
FYLGGPTSVR, I9V
Hyperscore=18.4733
p−value=0.0003
Intensity(%)
m/z
y1
b2
y3
b3
b4
b5−NH3
b5
y5
b6−H2O
y6
y7
y8

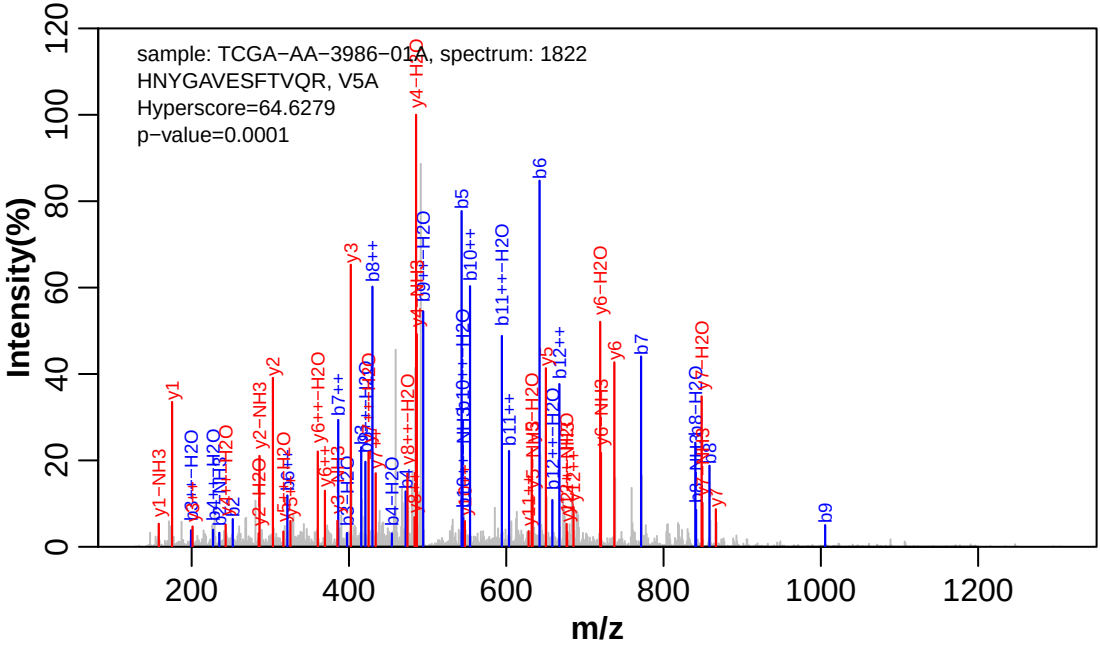

sample: TCGA−AA−3986−01A, spectrum: 12279
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=75.8465
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
b9
b10
b12
y5−H2O
y5
y3
y2
y15++
y10−NH3
b18++−H2O
b13++
y5−NH3
y4−NH3
y8−H2O

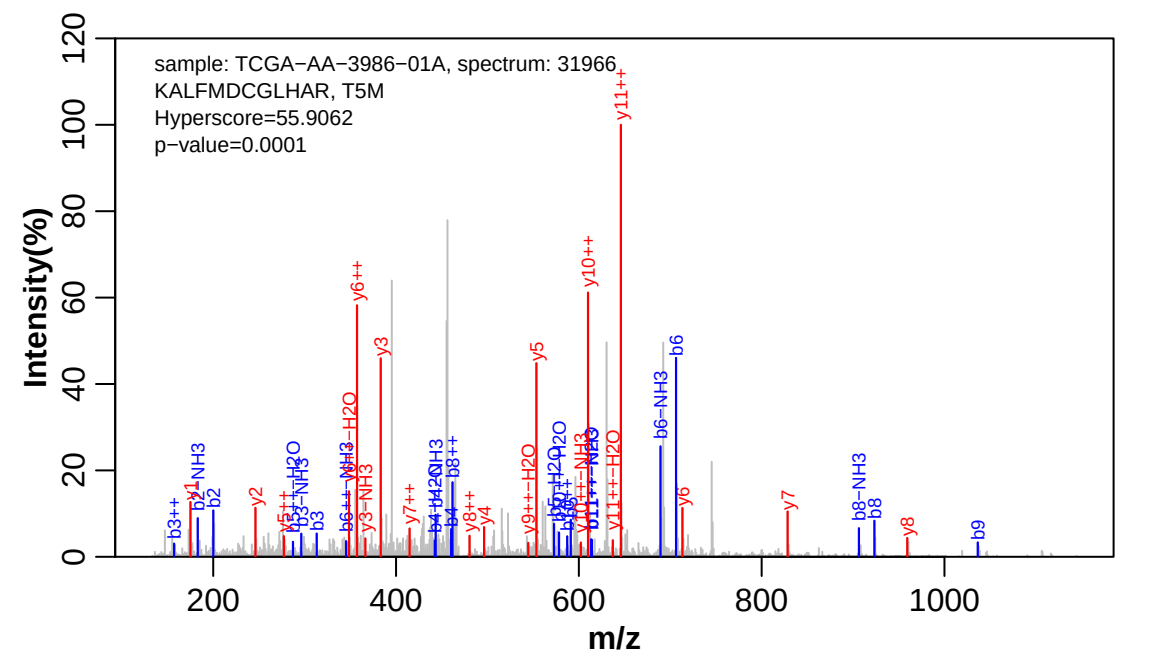

sample: TCGA−AA−3986−01A, spectrum: 99066
GLSFDAAATSGGSASSEK, T2I
Hyperscore=68.1251
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y11
y9
y8
y12
y13
y3
y4
b9
b10
b8
b6−H2O
b15−H2O
b14−H2O
b12−H2O
y9−H2O
y14−H2O
b16
y15
y16
y16−H2O
b17

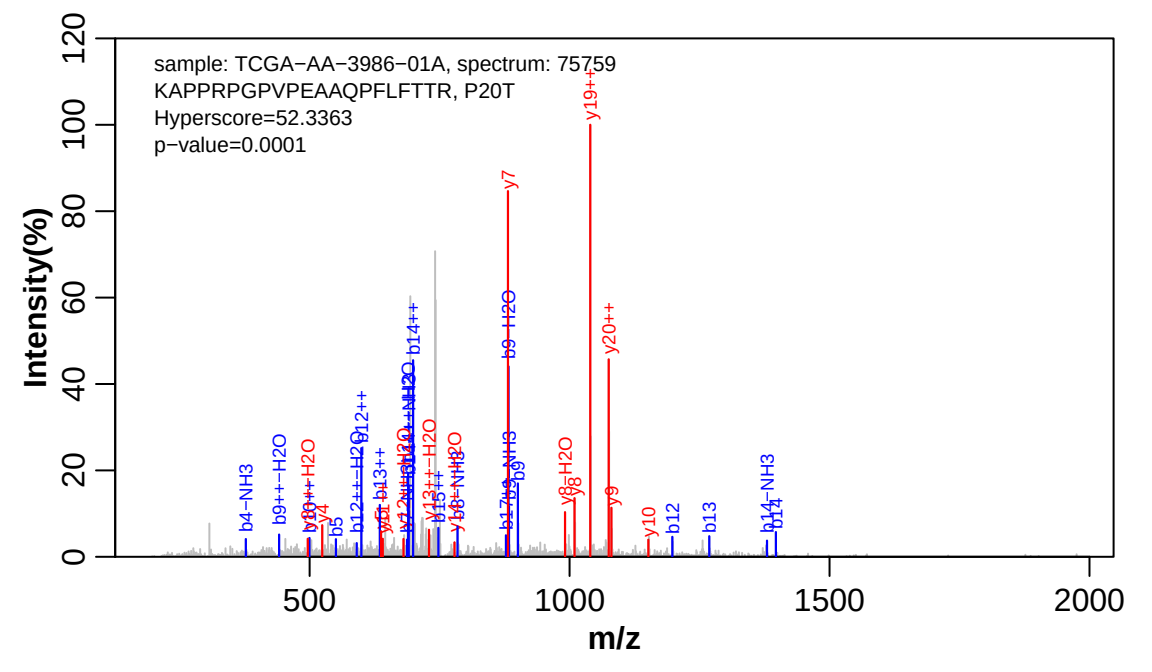

sample: TCGA−AA−3986−01A, spectrum: 49406
GQTGALLQNTVESLSK, D9N
Hyperscore=55.6393
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
y4
y5
y6
y8
y9
y10
y11
y13
y14

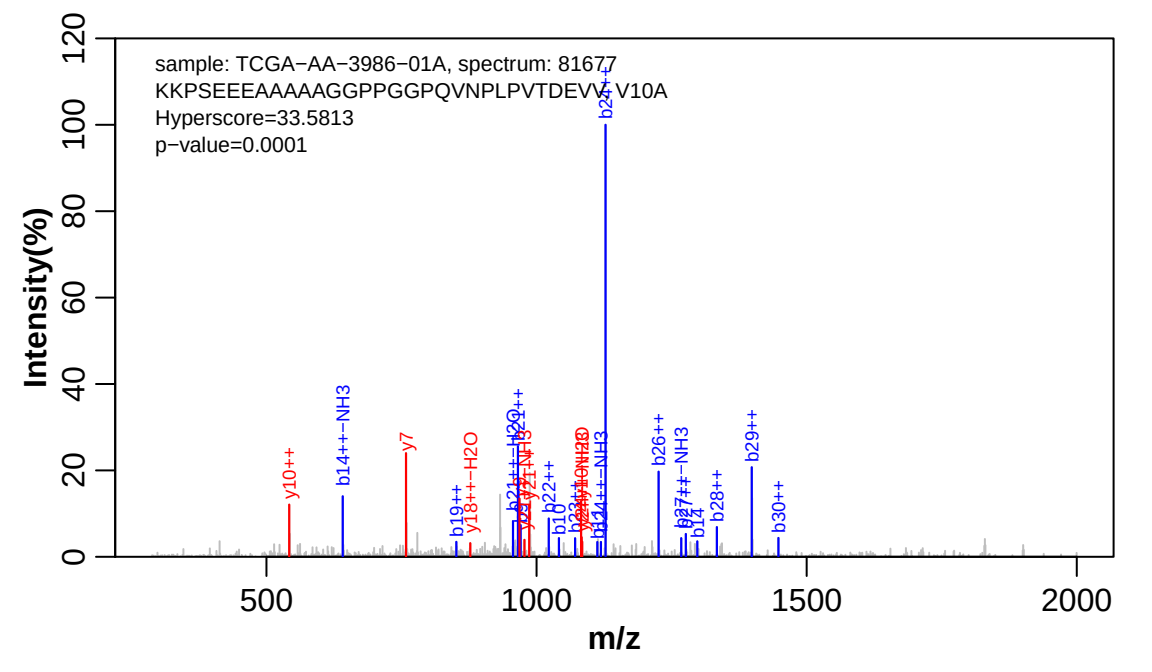

sample: TCGA−AA−3986−01A, spectrum: 25503
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.4885
p−value=0.0001
Intensity(%)
m/z
y5
y4
y8
y7
y9
y10
b10
b11
b7−H2O
b8−H2O
b9−H2O
b10−H2O
y5−NH3
y6−NH3
b10−NH3
b11−NH3
b7
b8
b9
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

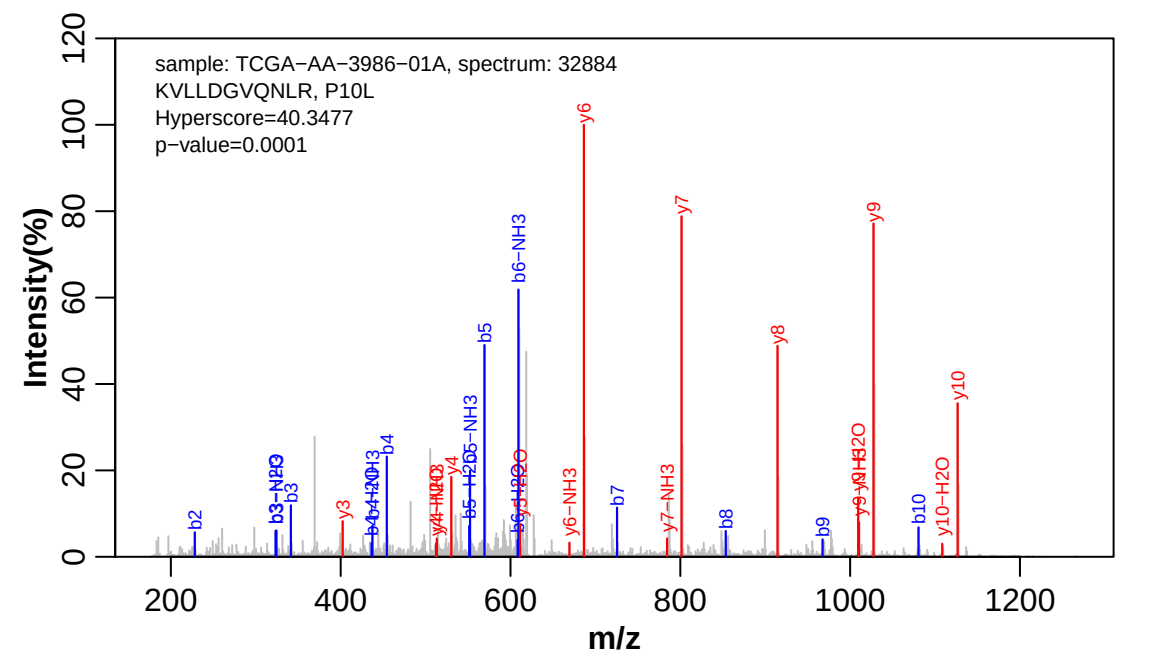

sample: TCGA−AA−3986−01A, spectrum: 81415
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=67.4397
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b13++
y7
b6−NH3
b15++
b5++−NH3
y4
y3
y8++
b5
b6
b10
b11
b12
b13

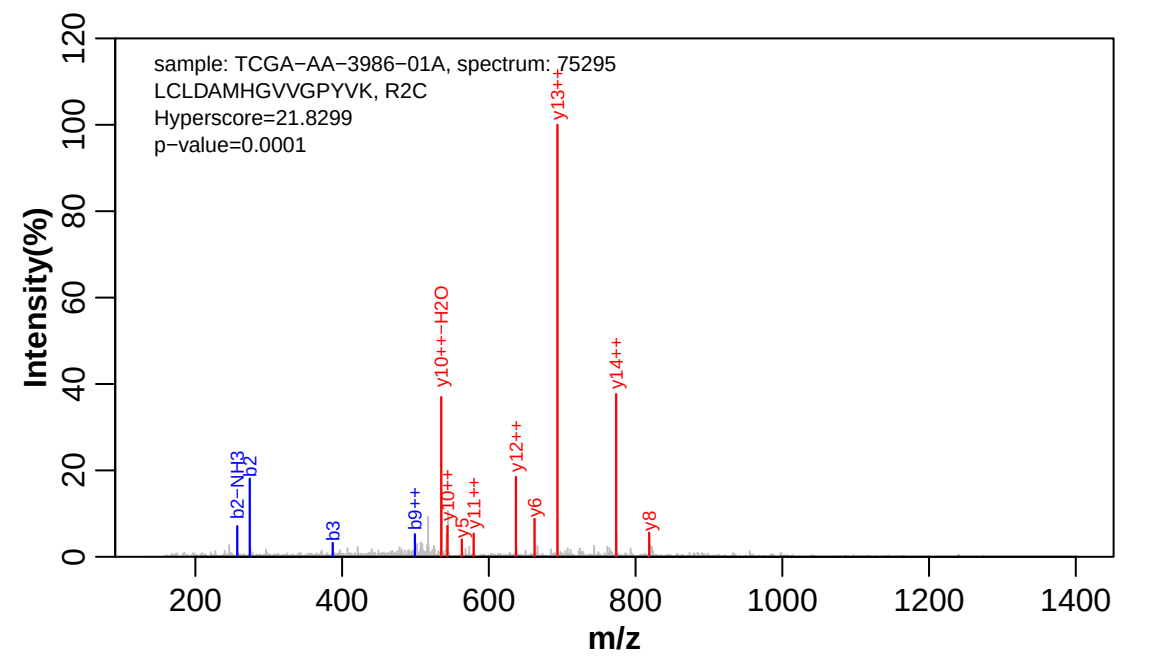

sample: TCGA−AA−3986−01A, spectrum: 1822
HNYGAVESFTVQR, V5A
Hyperscore=64.6279
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1−NH3
y1
b3++−H2O
b2
y2−H2O
y2−NH3
y2
y5+b6−H2O
y6++−H2O
y6++
b7++
y3
b8++
b8++−H2O
b4−H2O
y8++−H2O
y4−H2O
y4−NH3
y5−NH3
b9++−H2O
b10++
b5
b10++−H2O
b11++−H2O
b6
b11++
y11+y5−NH3−H2O
y5
b12++−H2O
b12++
y12++NH3
y6−H2O
y6−NH3
y6
b7
y7−H2O
b8−NH3−H2O
b8−NH3
b8
y7
b9

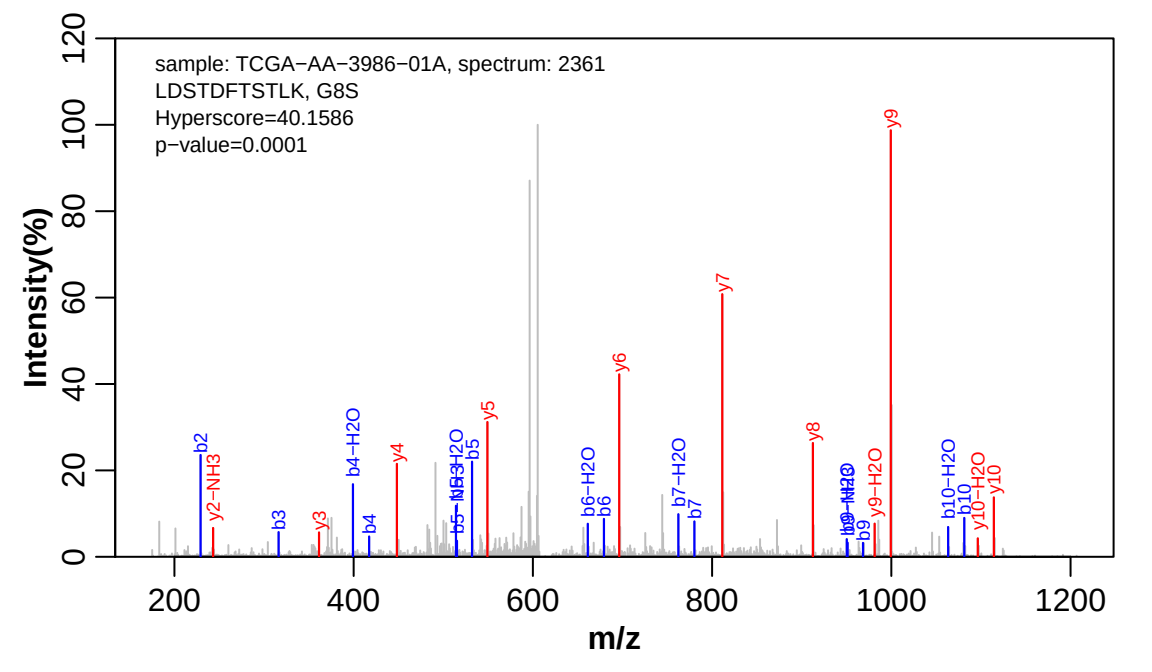

sample: TCGA−AA−3986−01A, spectrum: 31966
KALFMDCGLHAR, T5M
Hyperscore=55.9062
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3++
b1
b1−NH3
b2
b2−NH3
y2
y5++
b3−H2O
b3−NH3
b3
b6++−NH3−H2O
y6++
y3−NH3
y3
y7++
b4−H2O
b4−NH3
b8++
b4
y8++
y4
y9++−H2O
y5
b5++−H2O
b5++−NH3
y10++−NH3
y11++−H2O
y10++
y11++
b6−NH3
b6
y6
y7
b8−NH3
b8
y8
b9

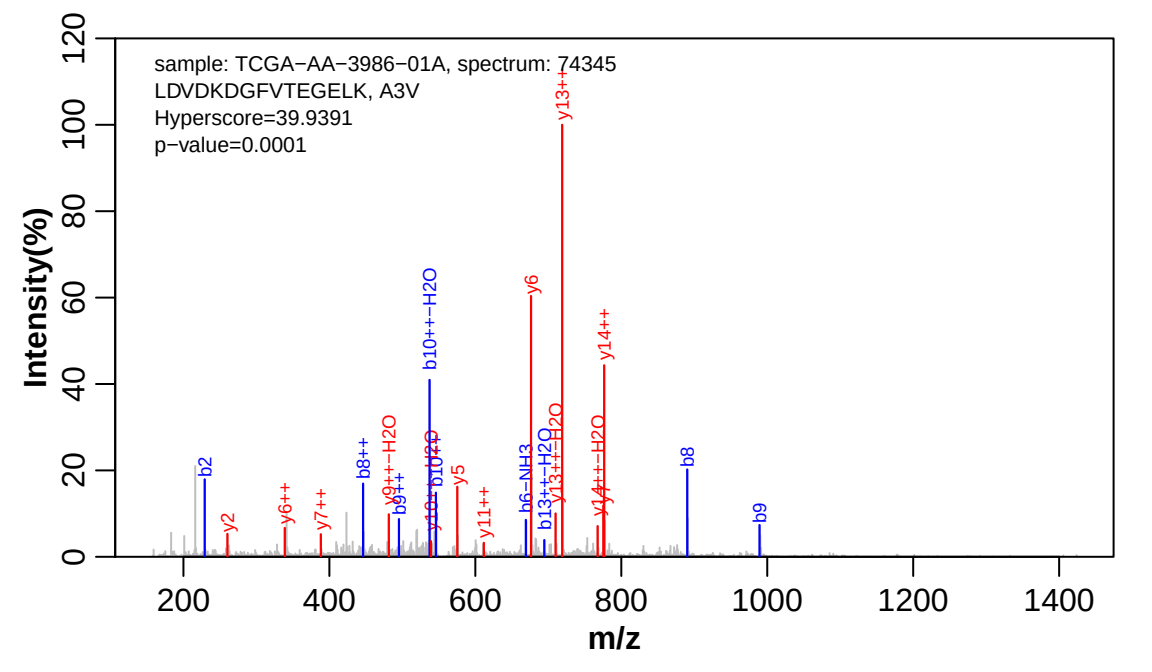

sample: TCGA−AA−3986−01A, spectrum: 75759
KAPPRPGPVPEAAQPFLFTTR, P20T
Hyperscore=52.3363
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b4−NH3
b9++−H2O
b8++−H2O
y4
b5
b12++−H2O
b12++
y6
b13++
y13++−H2O
b15++
y16++−NH3
b14++
b9−H2O
y7
b9−NH3
b9
y8−H2O
y8
y19++
y9
y20++
y10
b12
b13
b14−NH3
b14

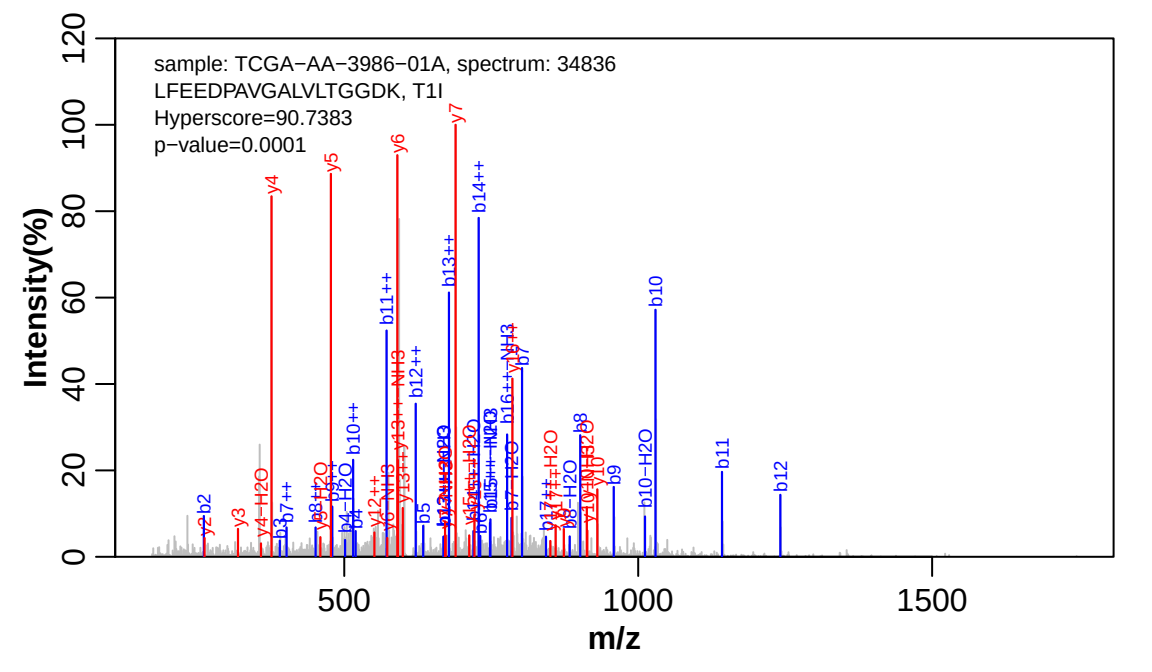

sample: TCGA−AA−3986−01A, spectrum: 81677
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=33.5813
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10++
b14++−NH3
y7
b19++
y18++−H2O
b24++
b26++
b27++−NH3
b28++
b29++
b30++

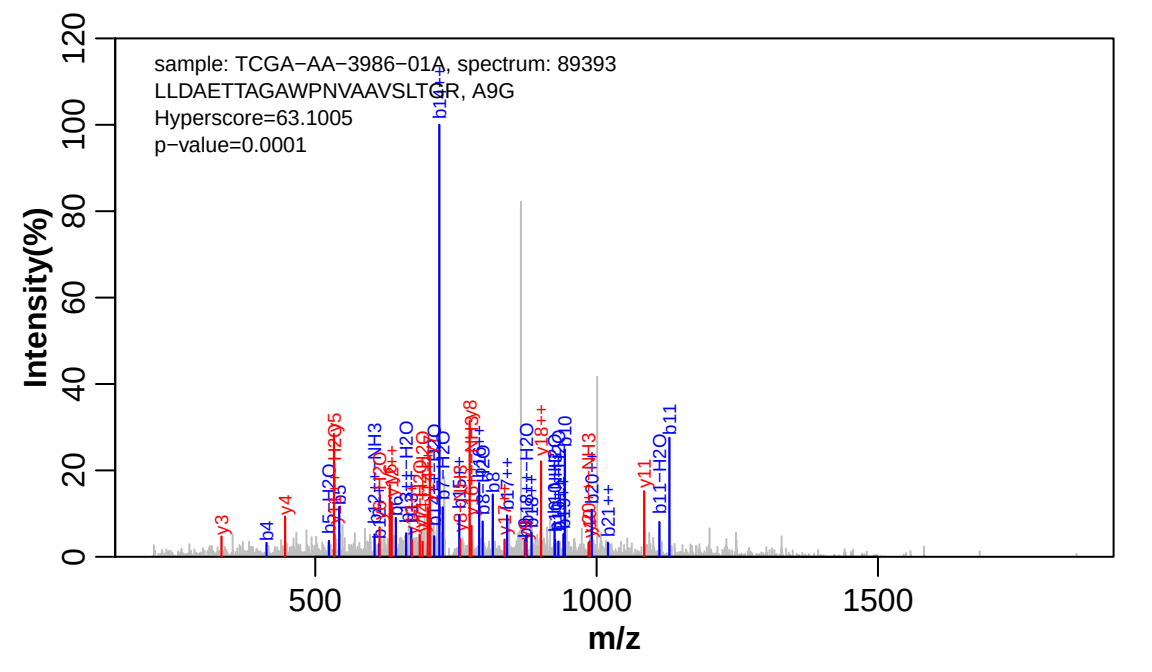

sample: TCGA−AA−3986−01A, spectrum: 32884
KVLLDGVQNLR, P10L
Hyperscore=40.3477
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4
y4
b5
b6−NH3
y6
y7
y8
y9
b7
y6−NH3
y7−NH3
b8
b9
b10
y10
y10−H2O

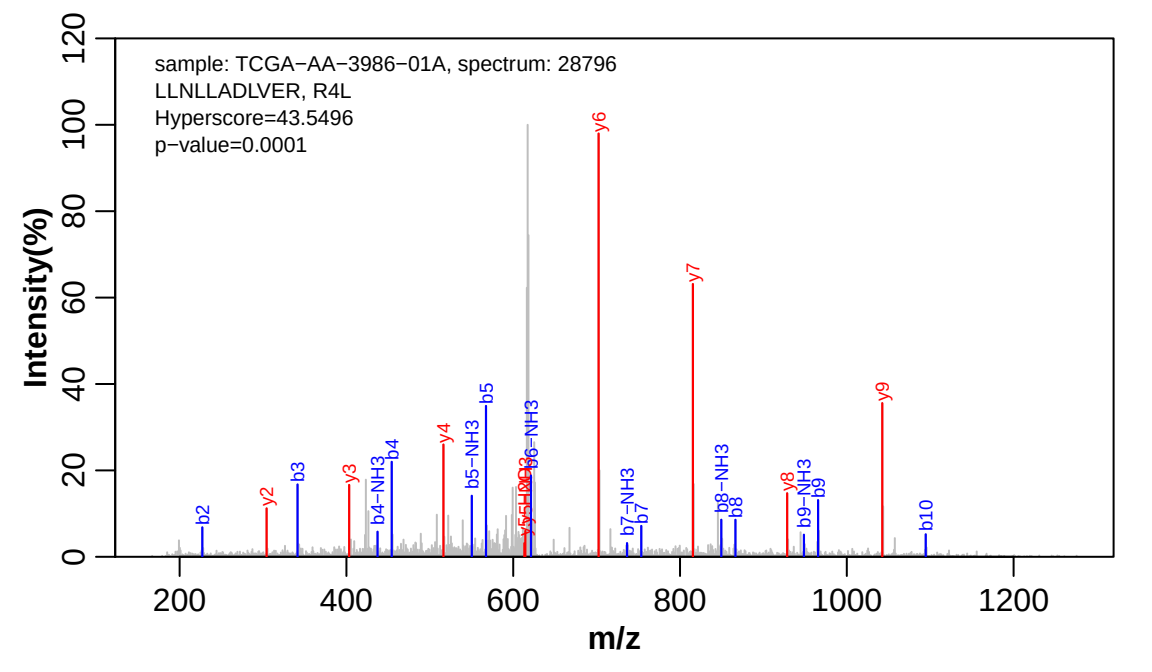

sample: TCGA−AA−3986−01A, spectrum: 75295
LCLDAMHGVVGPYVK, R2C
Hyperscore=21.8299
p−value=0.0001
Intensity(%)
m/z
y13++
y10++−H2O
y14++
y12++
y6
y8
y11++
y10++
y5
b9++
b3
b2−NH3
b2

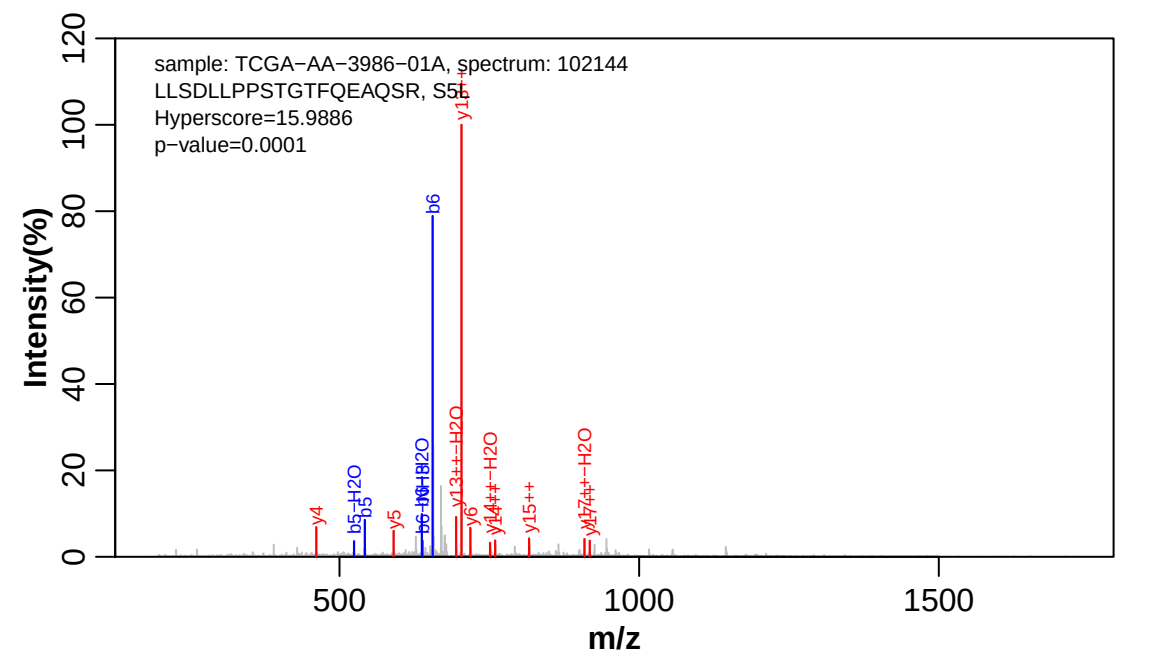

sample: TCGA−AA−3986−01A, spectrum: 2361
LDSTDFTSTLK, G8S
Hyperscore=40.1586
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−NH3
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
b9
y9
y9−H2O
b10−H2O
b10
y10−H2O
y10

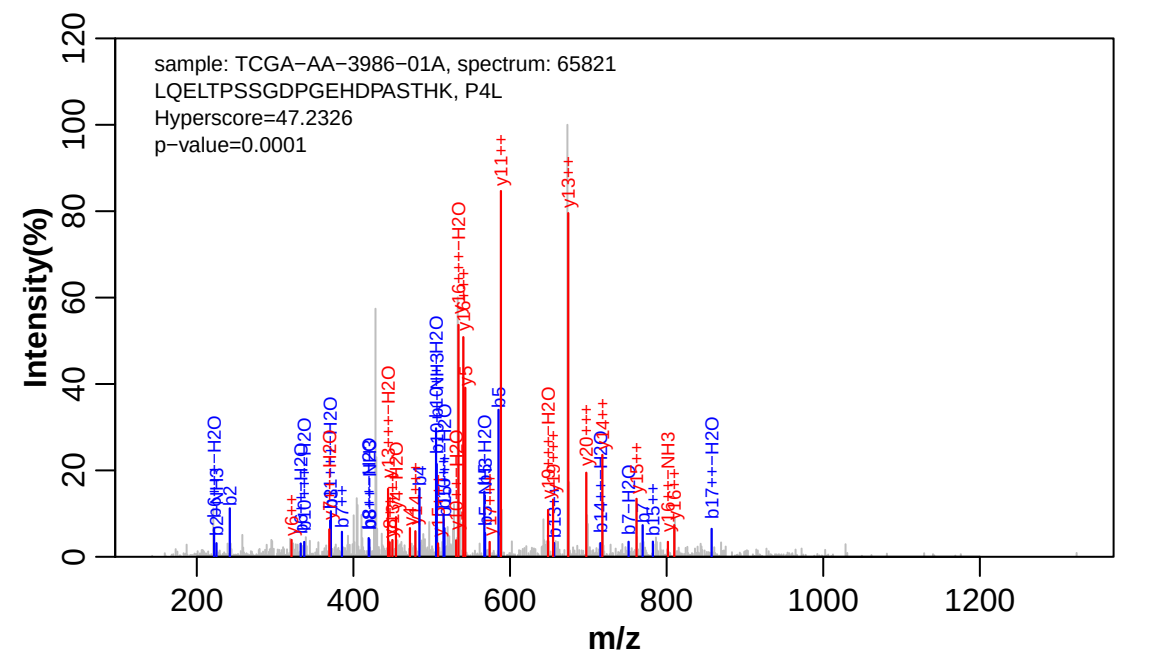

sample: TCGA−AA−3986−01A, spectrum: 74345
LDVDKDGFVTEGELK, A3V
Hyperscore=39.9391
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
y6++
y7++
b8++
y9++−H2O
b9++
y10++ b10++
b10++−H2O
y5
y11++
b6−NH3
b13++−H2O
y13++−H2O
y6
y13++
y14++−H2O
y14++
b8
b9

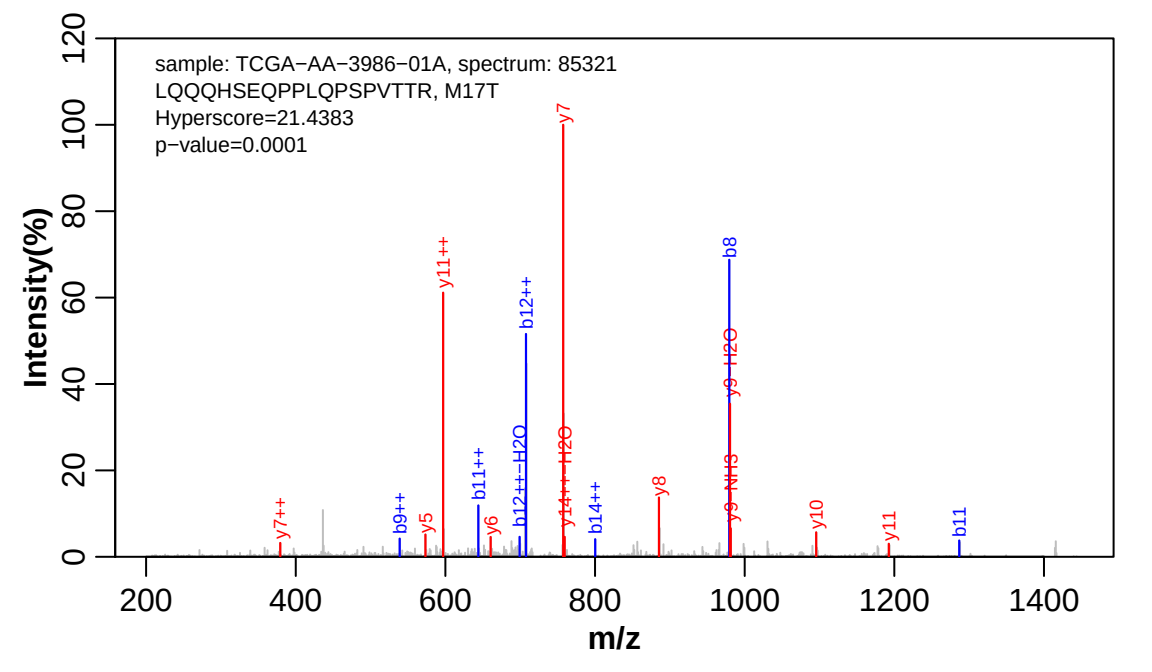

sample: TCGA−AA−3986−01A, spectrum: 34836
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=90.7383
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y6
y5
y4
b14++
b13++
b11++
b10
b12++
b12
b11
b10−H2O
b9
b7
y4−H2O
y3
y2 b2
b3
b7++
b10++
b4
b5
y12++
y13++−NH3
y13++
b16++−NH3
b15++−NH3
b17++−H2O
b17++
b16++
b8
y10++−H2O
b7−H2O

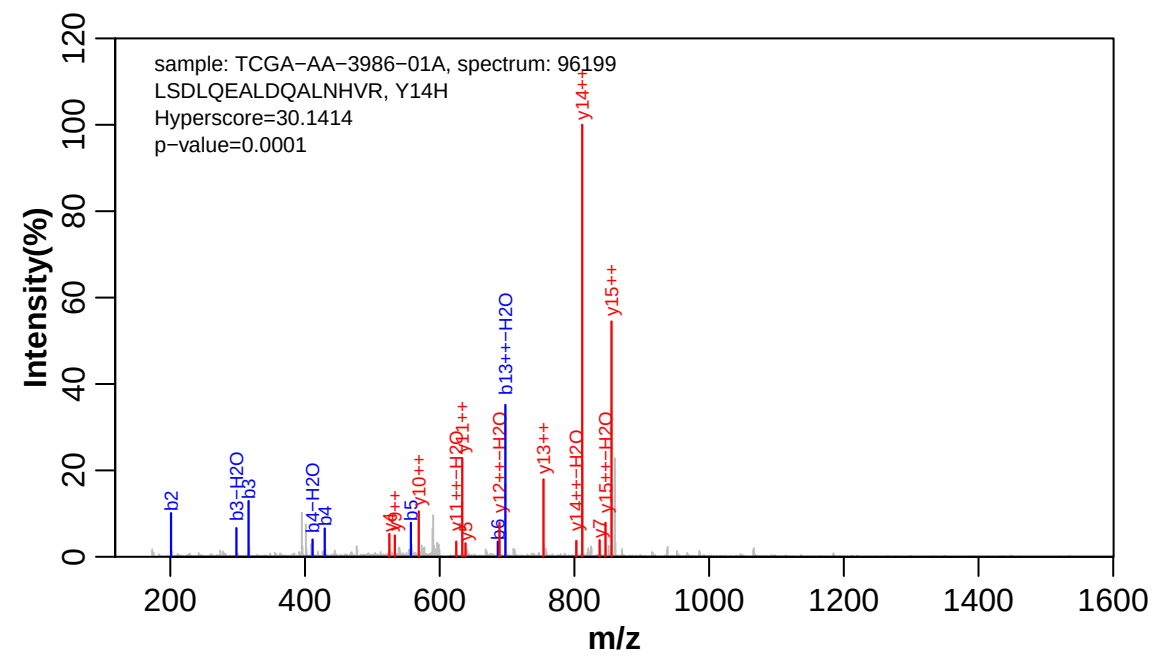

sample: TCGA−AA−3986−01A, spectrum: 89393
LLDAETTAGAWPNVAAVSLTGR, A9G
Hyperscore=63.1005
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b10++
y3
b4
y4
b5
y5
b5−H2O
y5−H2O
b6
b6−H2O
y6
y6−H2O
b7
b7−H2O
y7
y7−H2O
b8
b8−H2O
y8
y8−H2O
b9
b9−H2O
y9
y9−H2O
b10
b10−H2O
y10
y10−H2O
b11
b11−H2O
y11
y11−H2O
b21++
y18++

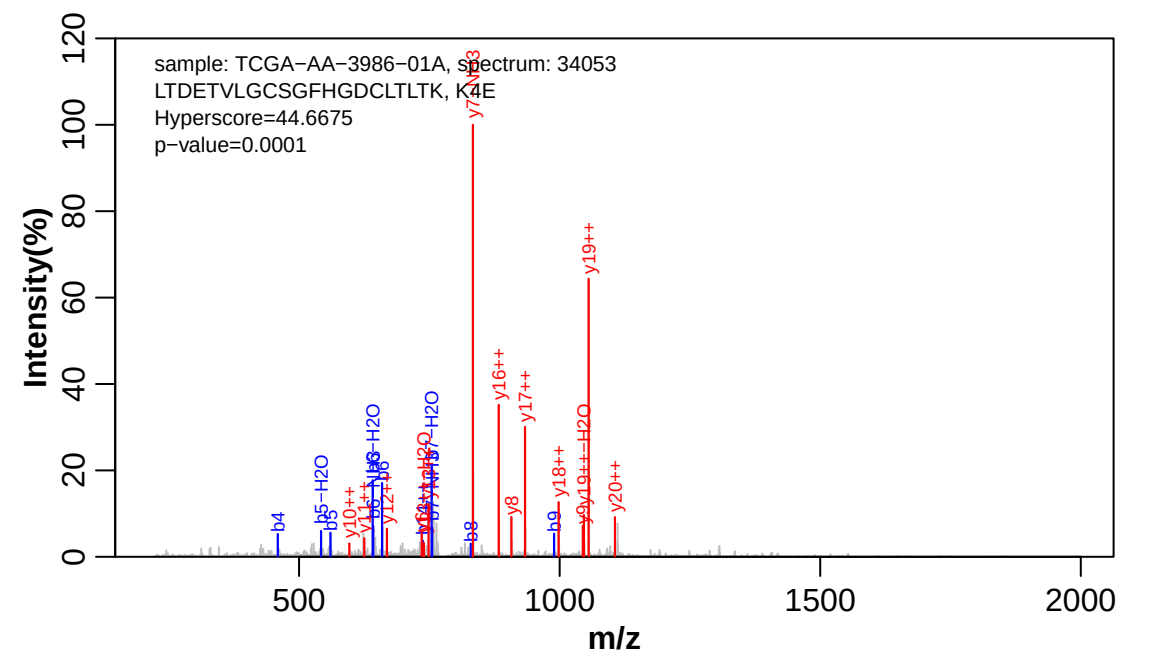

sample: TCGA−AA−3986−01A, spectrum: 28796
LLNLLADLVER, R4L
Hyperscore=43.5496
p−value=0.0001
Intensity(%)
m/z
y6
y7
y9
y4
y2
y3
b2
b3
b4
b4−NH3
b5
b5−NH3
b6−NH3
b7−NH3
b7
b8−NH3
b8
y8
b9−NH3
b9
b10

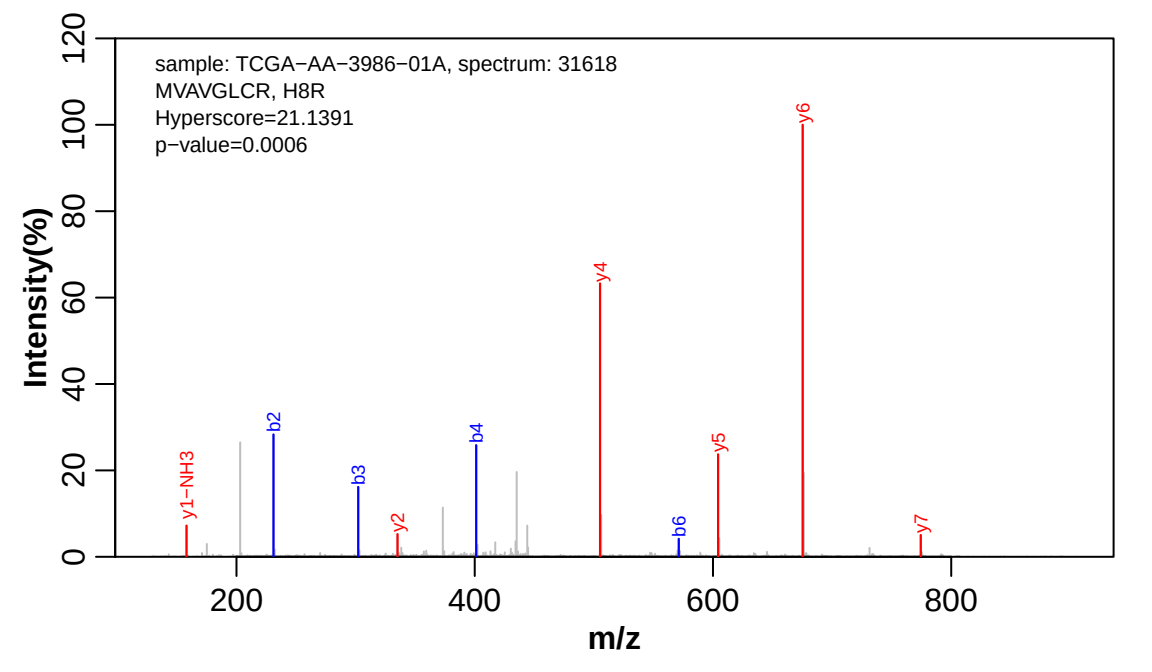

sample: TCGA−AA−3986−01A, spectrum: 102144
LLSDLLPPSTGTFQEAQSR, S5↑
Hyperscore=15.9886
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
b5−H2O
b5
y5
b6−H2O
b6
b6+H2O
y13++−H2O
y6
y14++−H2O
y14++
y15++
y17++−H2O
y17++
y15++
b6
y15++

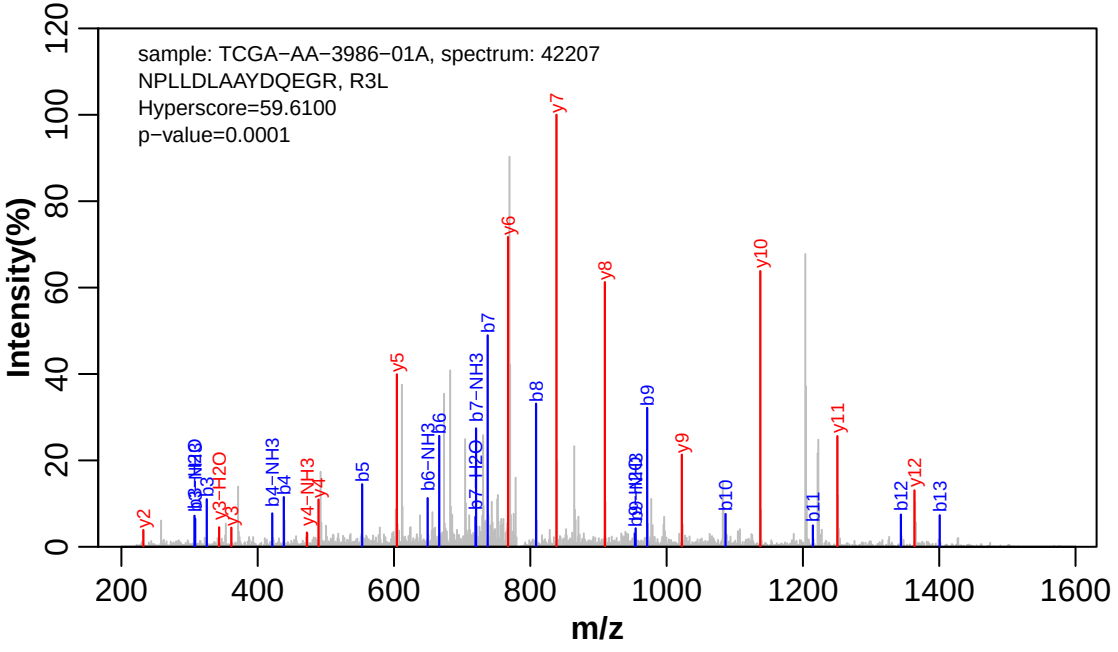

sample: TCGA−AA−3986−01A, spectrum: 65821
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=47.2326
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y11++
y13++
y5
b5
y16+++−H2O
y10++
y20++
y14++
y16++
b17++−H2O
b2
b2−NH3−H2O
y6++
b10++−H2O
b7++
b8++−NH3
y13+++−H2O
y4++
b5++−NH3−H2O
b13−y9+++−H2O
b7−H2O
b15++
y16++−NH3

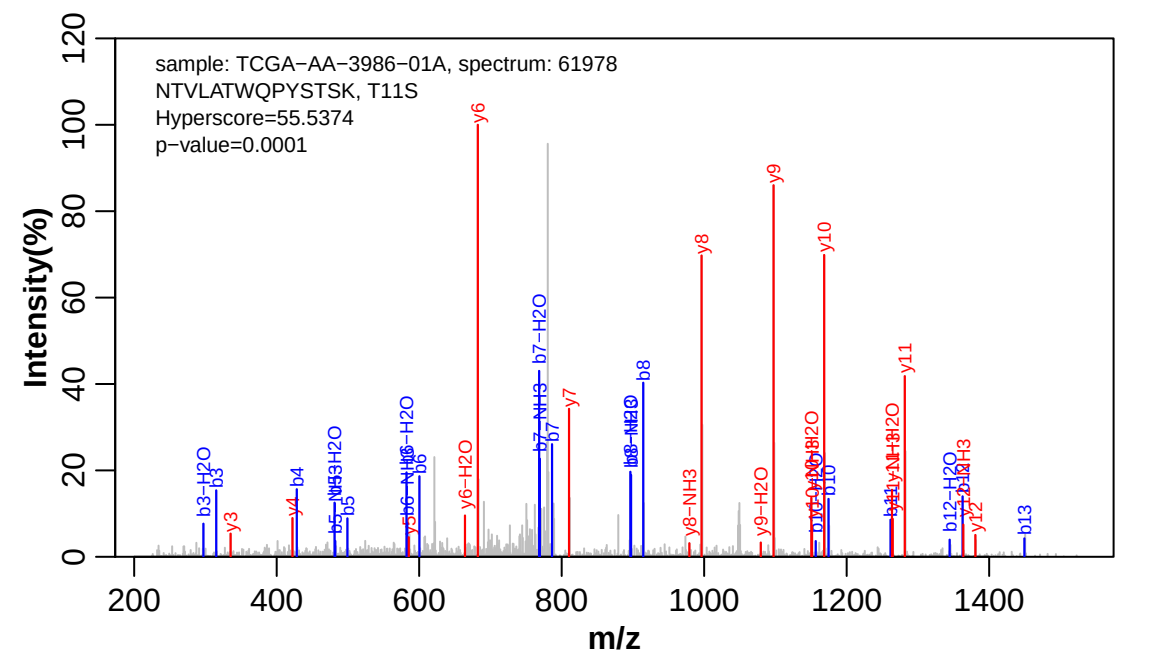

sample: TCGA−AA−3986−01A, spectrum: 85321
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.4383
p−value=0.0001
Intensity(%)
m/z
y7++
b9++
y5
y11++
y6
b11++
b12++−H2O
b12++
y14++−H2O
b14++
y8
y7
y9−NH3
y9−H2O
b8
y10
y11
b11

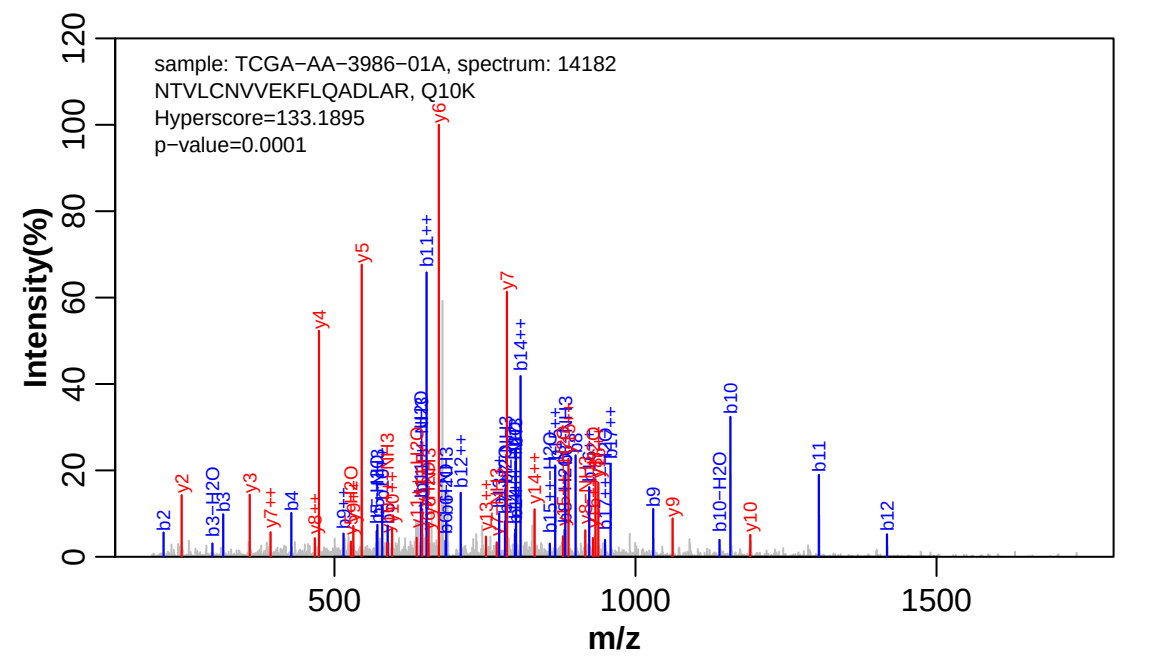

sample: TCGA−AA−3986−01A, spectrum: 96199
LSDLQEALDQALNHVR, Y14H
Hyperscore=30.1414
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
b3
b4−H2O
b4
y9++
y9
b5
y10++
y11++−H2O
y11++
y3
b6
y12++−H2O
b13++−H2O
y13++
y14++−H2O
y14++
y7
y15++−H2O
y15++

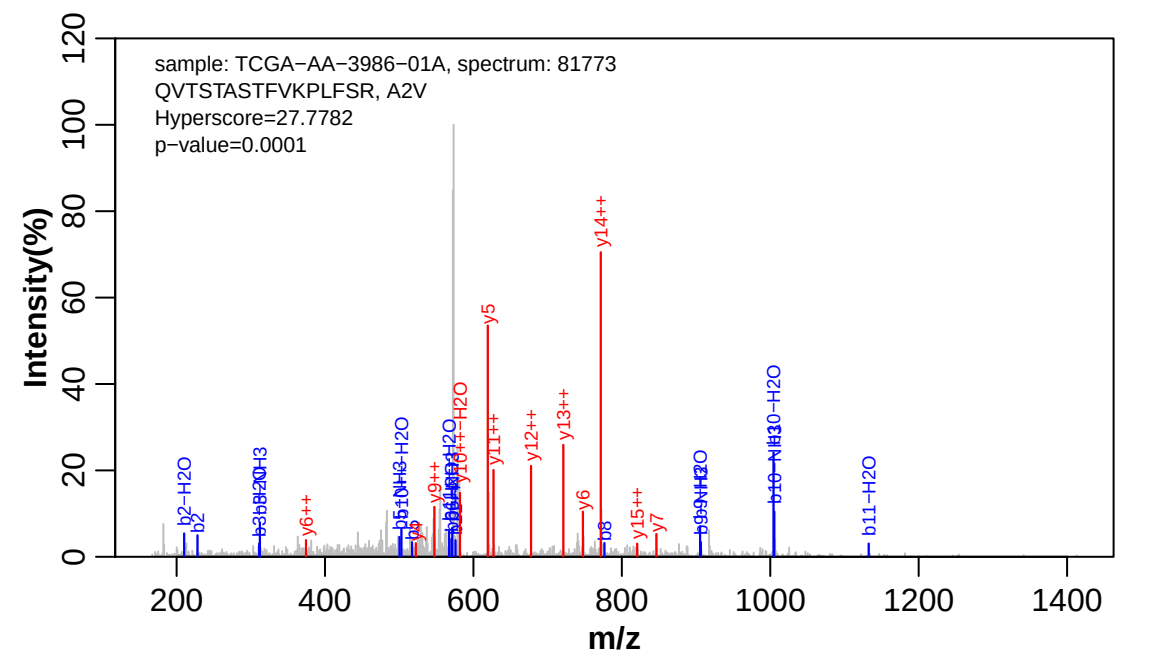

sample: TCGA−AA−3986−01A, spectrum: 34053
LTDETVLGCSGFHGDCLTLTK, K4E
Hyperscore=44.6675
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y7++
y19++
y16++
y17++
y8
y18++
y9
y9-H2O
y20++
b4
b5-H2O
b5
y10++
b6-H2O
b6
y12++
b8

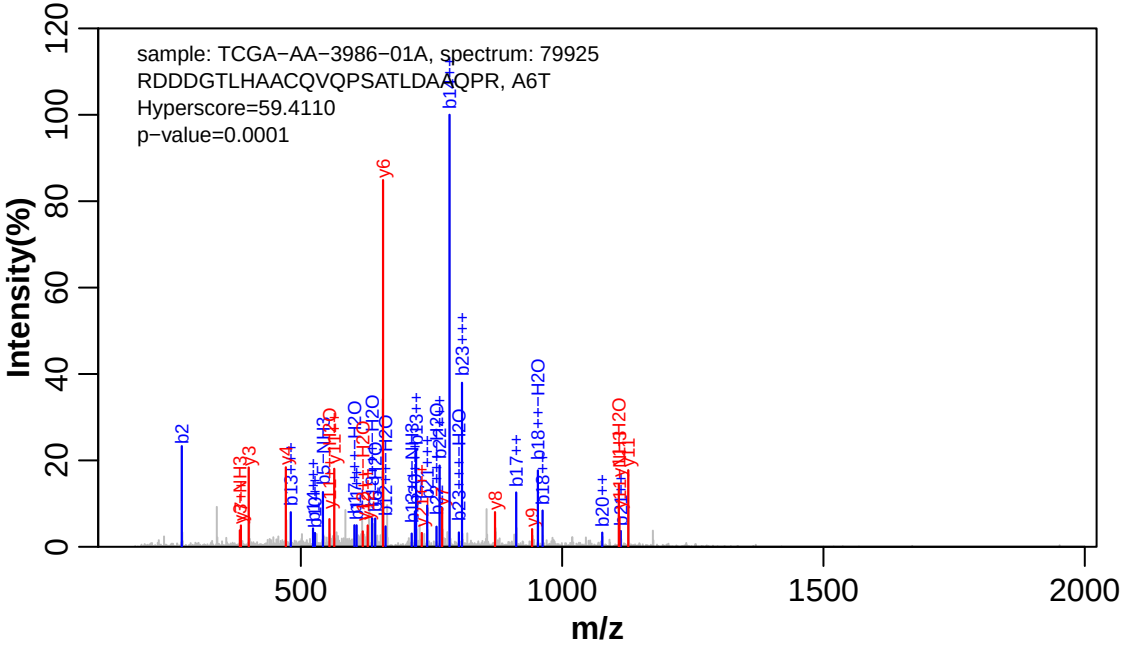

sample: TCGA−AA−3986−01A, spectrum: 31618
MVAVGLCR, H8R
Hyperscore=21.1391
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
b2
b3
y2
b4
y4
b6
y5
y6
y7

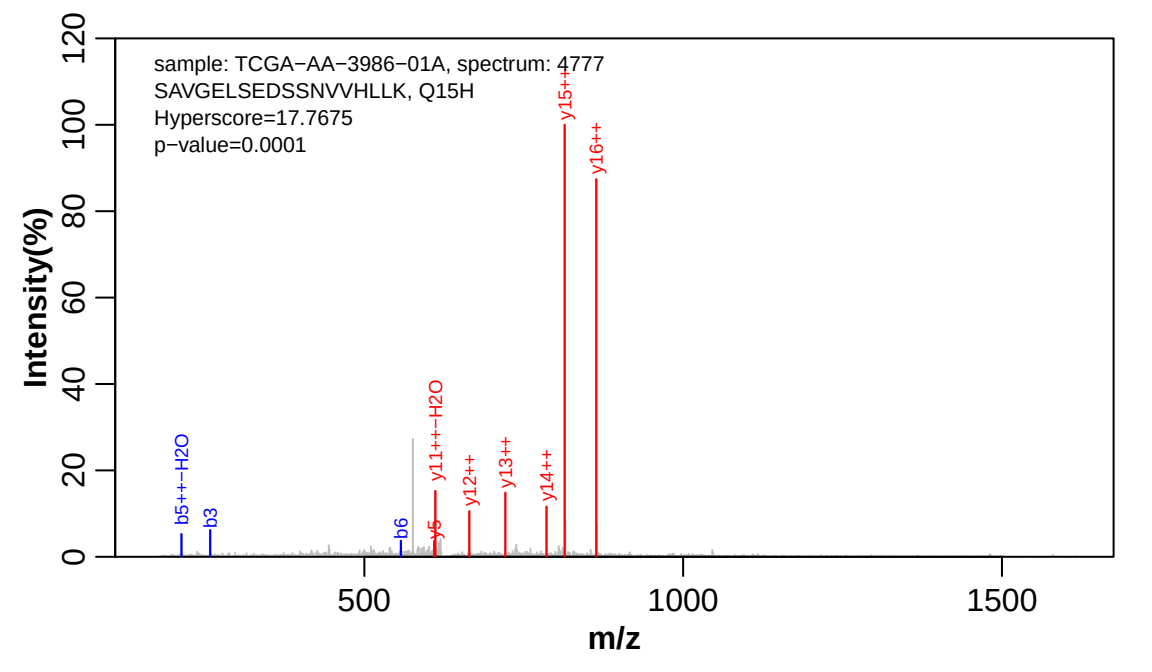

sample: TCGA−AA−3986−01A, spectrum: 42207
NPLLDLAAYDQEGR, R3L
Hyperscore=59.6100
p−value=0.0001
Intensity(%)
m/z
y2
b3−NH3
b3
y3−H2O
y3
b4−NH3
b4
y4−NH3
y4
b5
b6−NH3
b6
y5
b7−H2O
b7−NH3
b7
y6
b8
y7
y8
b9
y9
b10
y10
b11
y11
b12
y12
b13

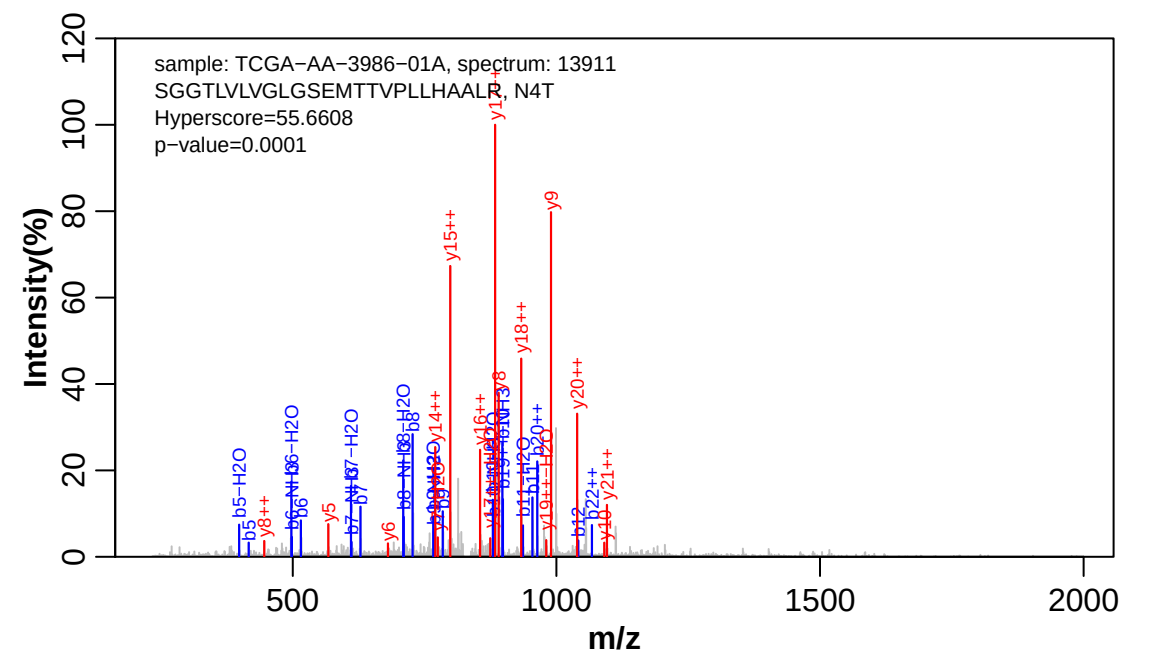

sample: TCGA−AA−3986−01A, spectrum: 61978
NTVLATWQPYSTSK, T11S
Hyperscore=55.5374
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6
y9
y8
y10
y11
y7
b8
b7−H2O
b7−NH3
b7
y6−H2O
b6
b3−H2O
b3
y3
y4
b4
b5
y8−NH3
y9−H2O
b10
b12−H2O
b13

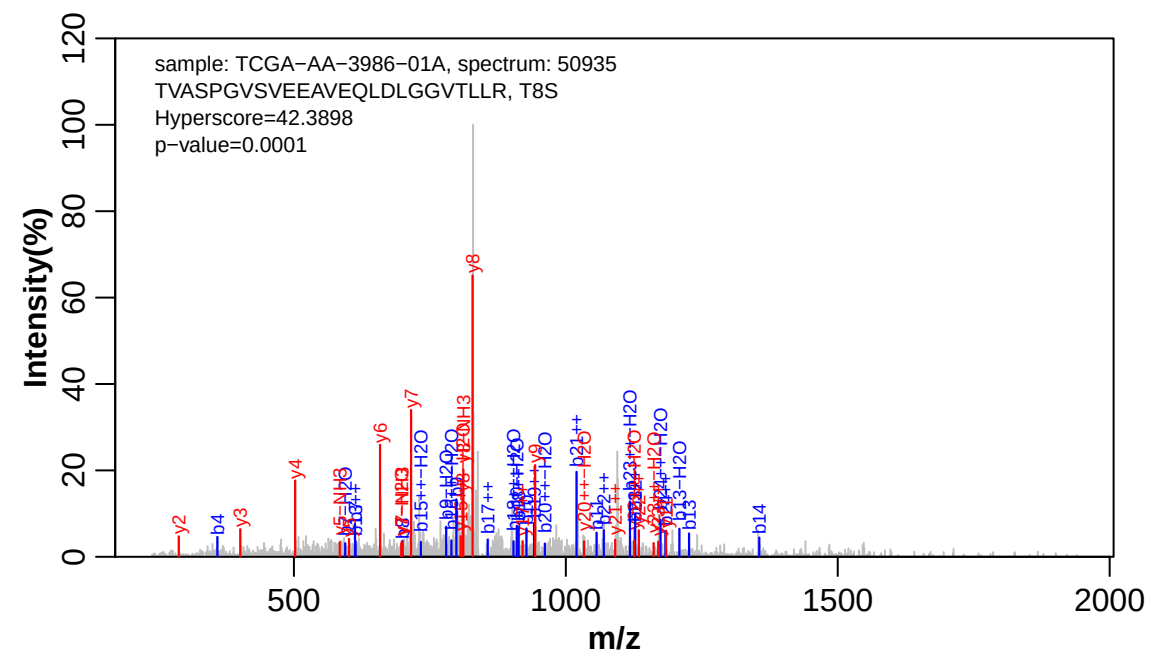

sample: TCGA−AA−3986−01A, spectrum: 14182
NTVLCNVVEKFLQADLAR, Q10K
Hyperscore=133.1895
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
b3−H2O
b3
y3
y7++
b4
y4
y8++
y5
b11++
y6
y7
b14++
b12++
b10
b10−H2O
b11
b12
b9
y9
y10
y14++

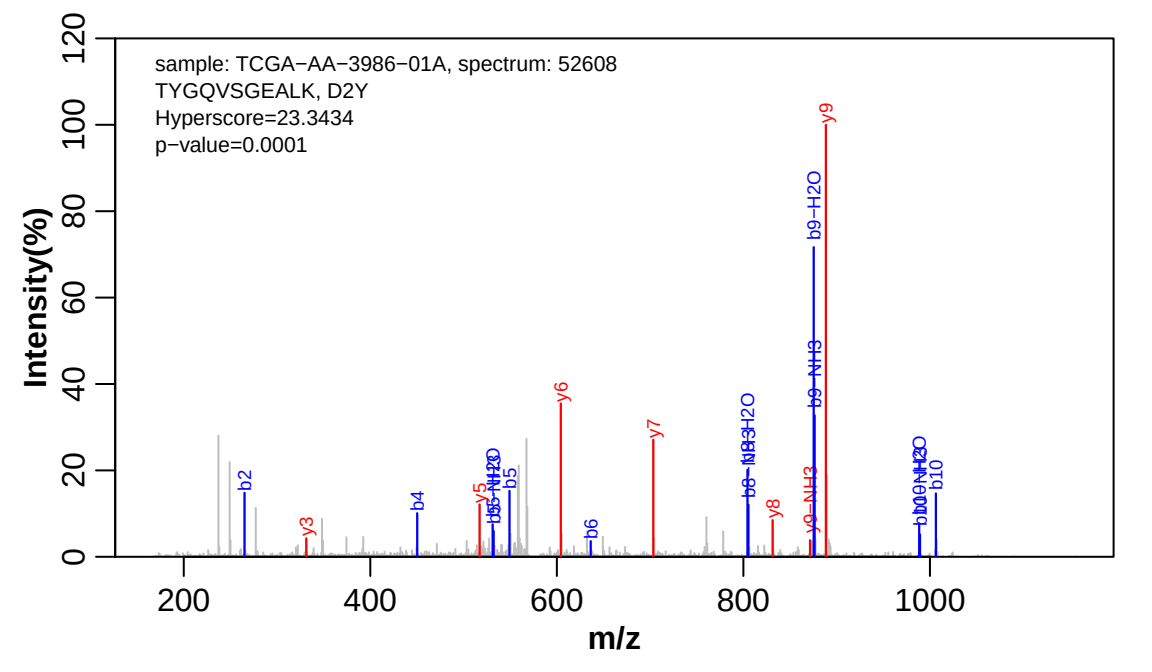

sample: TCGA−AA−3986−01A, spectrum: 81773
QVTSTASTFVKPLFSR, A2V
Hyperscore=27.7782
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b2
y6++
y5
y14++
y11++
y12++
y13++
y6
y15++
y7
b8
b11−H2O

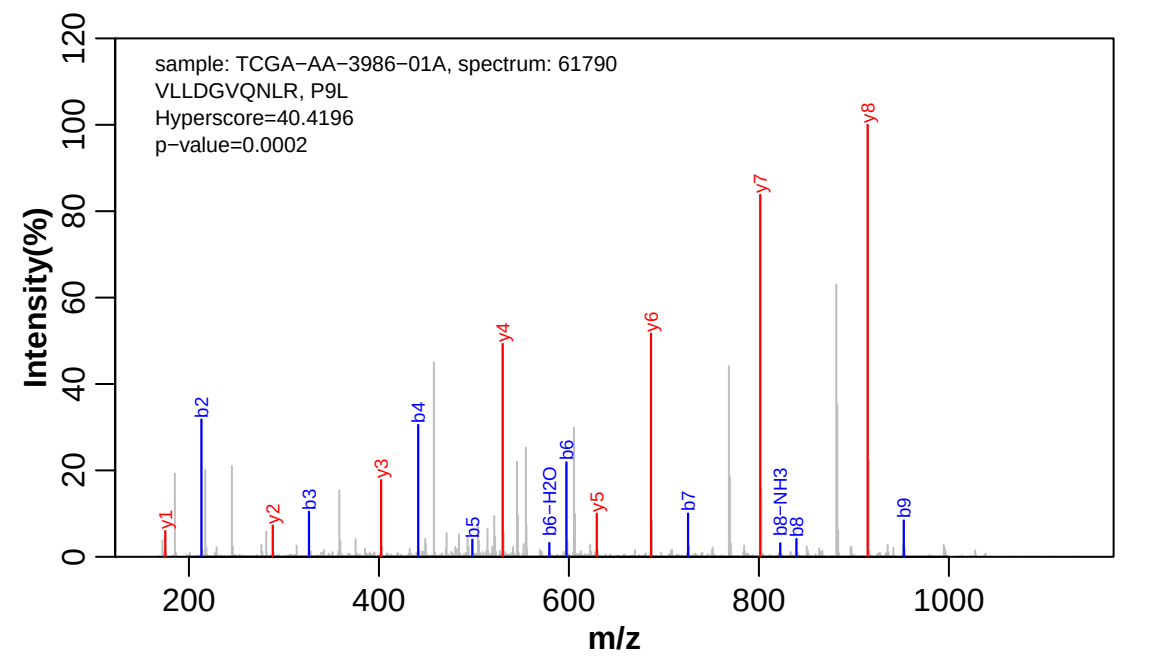

sample: TCGA−AA−3986−01A, spectrum: 79925
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=59.4110
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b2
y3
b13++
y6
b23+++
b17++
y8
b18++−H2O
b20++
y11

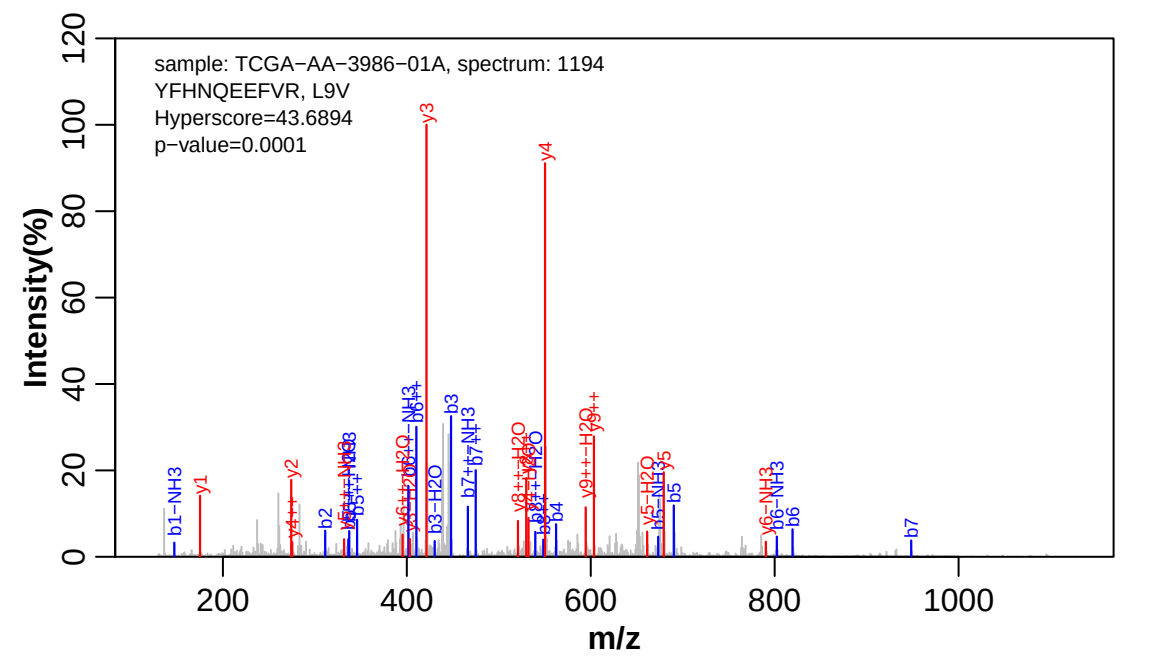

sample: TCGA−AA−3986−01A, spectrum: 4777
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7675
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5++−H2O
b3
b6
y5
y11++−H2O
y12++
y13++
y14++
y15++
y16++

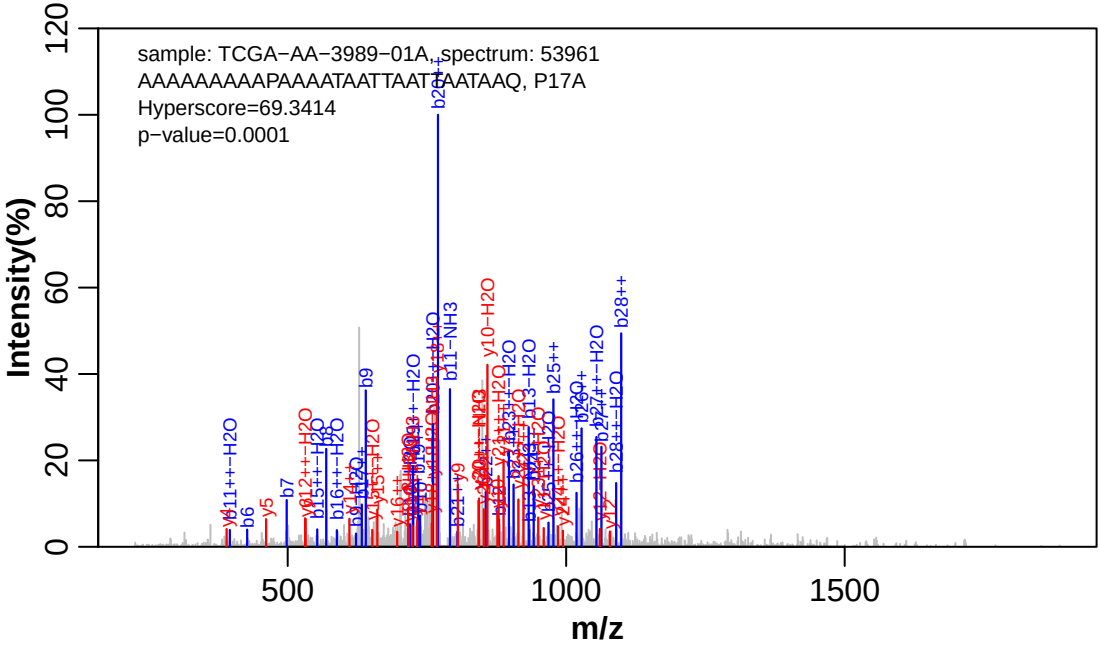

sample: TCGA−AA−3986−01A, spectrum: 13911
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=55.6608
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y17++
y9
y15++
y18++
y20++
y14++
y16++
y8
y5
y6
y21++
b5−H2O
b6−H2O
b7−H2O
b8−H2O
b11−H2O
y20++
b12
b22++
y10
y8++
b5
b6
b7
b8

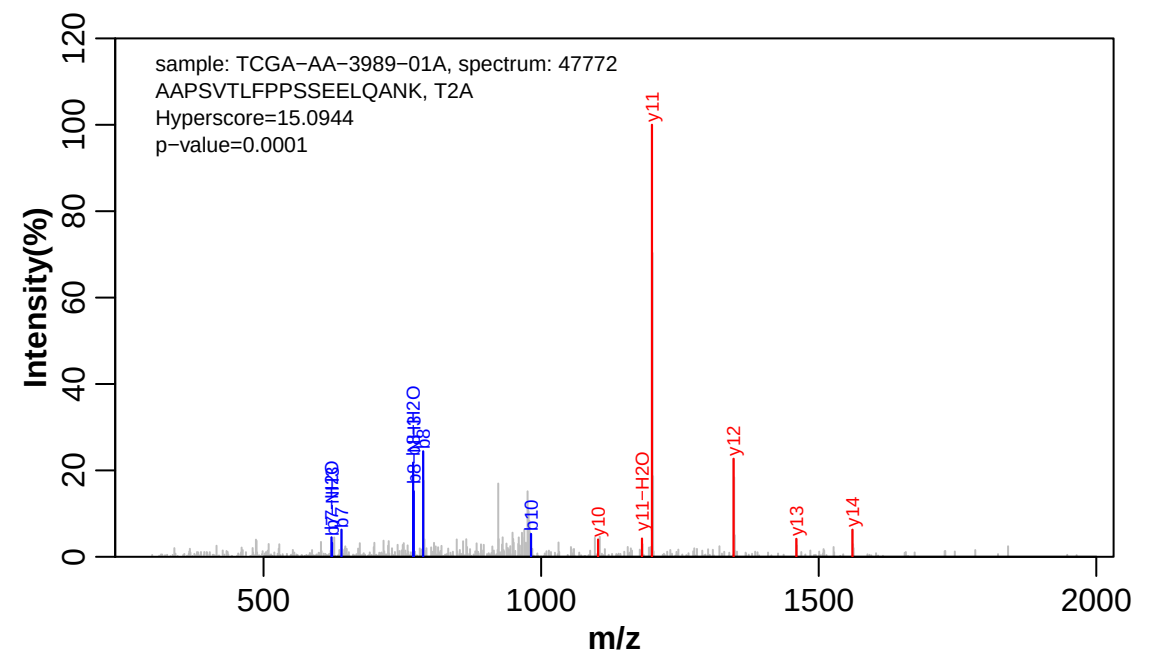

sample: TCGA−AA−3986−01A, spectrum: 50935
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=42.3898
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
y8
y7
y6
y4
y3
y2
b4
b14
b17++
b13−H2O

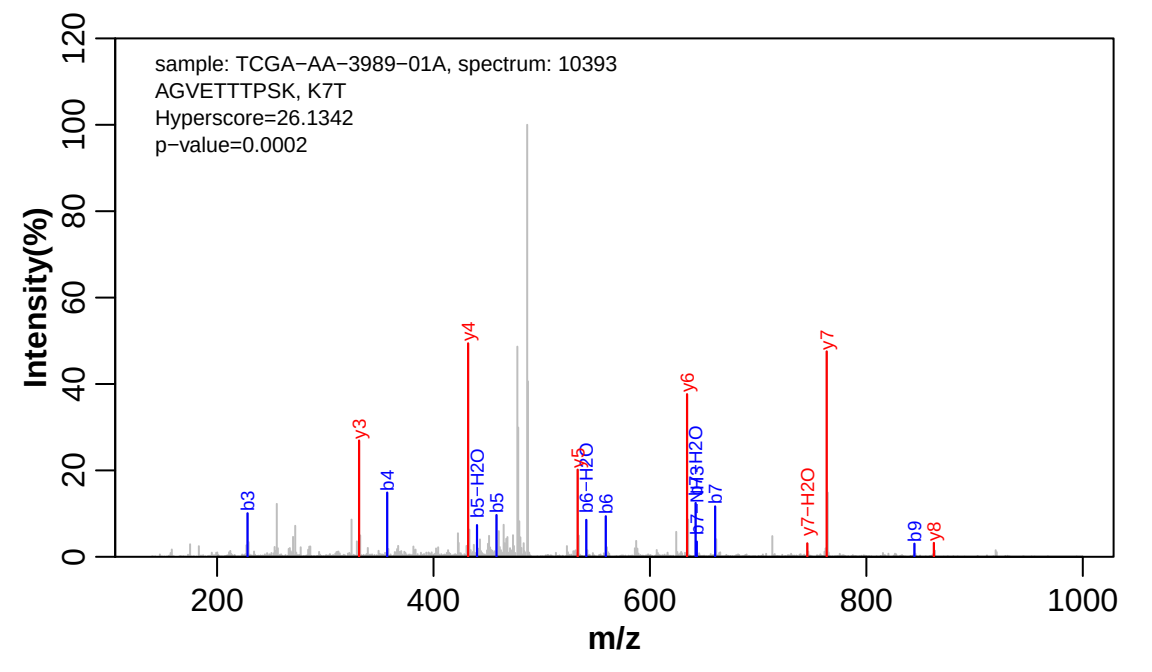

sample: TCGA−AA−3986−01A, spectrum: 52608
TYGQVSGEALK, D2Y
Hyperscore=23.3434
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y3
b4
y5
b5
y6
b6
y7
b9−H2O
b9−NH3
y8
y9
b10

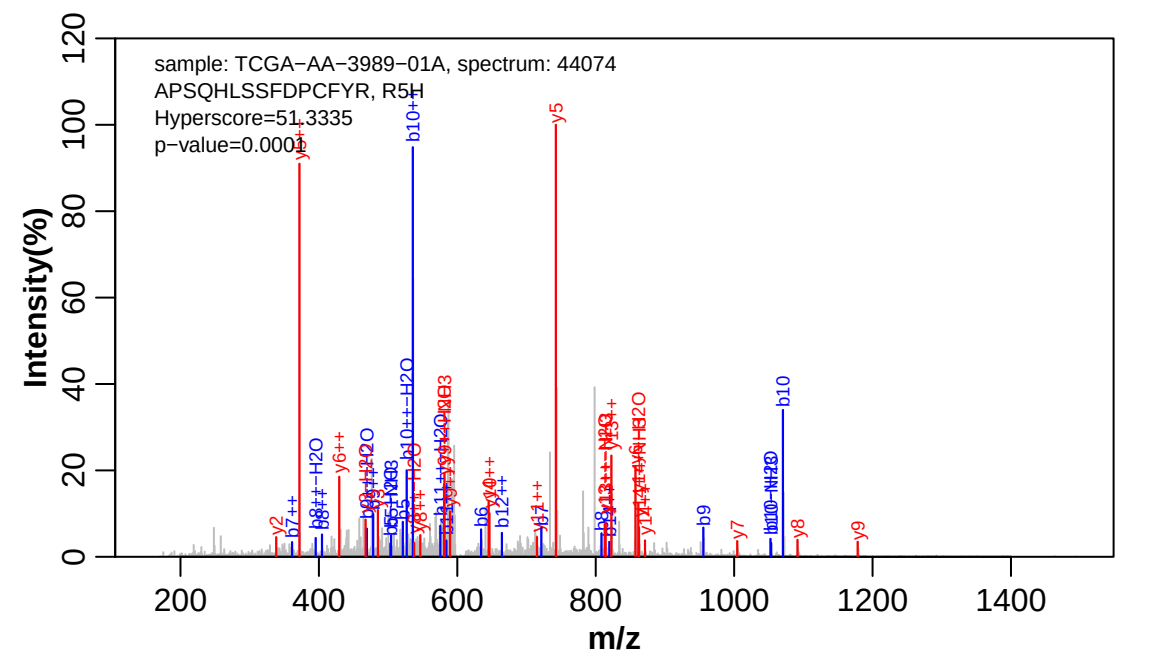

sample: TCGA−AA−3986−01A, spectrum: 61790
VLLDGVQNLR, P9L
Hyperscore=40.4196
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y1
b2
y2
b3
y3
b4
b5
y4
b6
b6−H2O
y5
y6
b7
y7
b8−NH3
b8
y8
b9

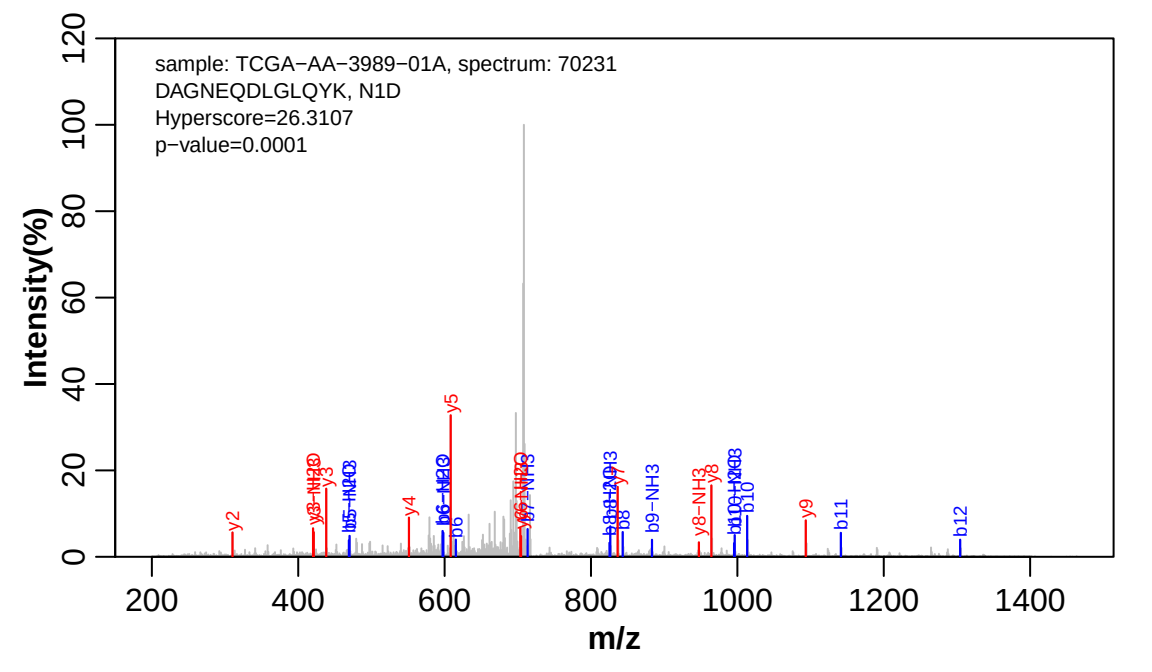

sample: TCGA−AA−3986−01A, spectrum: 1194
YFHNQEEFVR, L9V
Hyperscore=43.6894
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y3
y4
y2
y1
b1−NH3
b2
b3
b3−H2O
b4
b5
b6
b6−NH3
b7
y6−NH3
y5
y5−NH3
y5−H2O
b7++NH3
b7++H2O
y9++−H2O
y9++

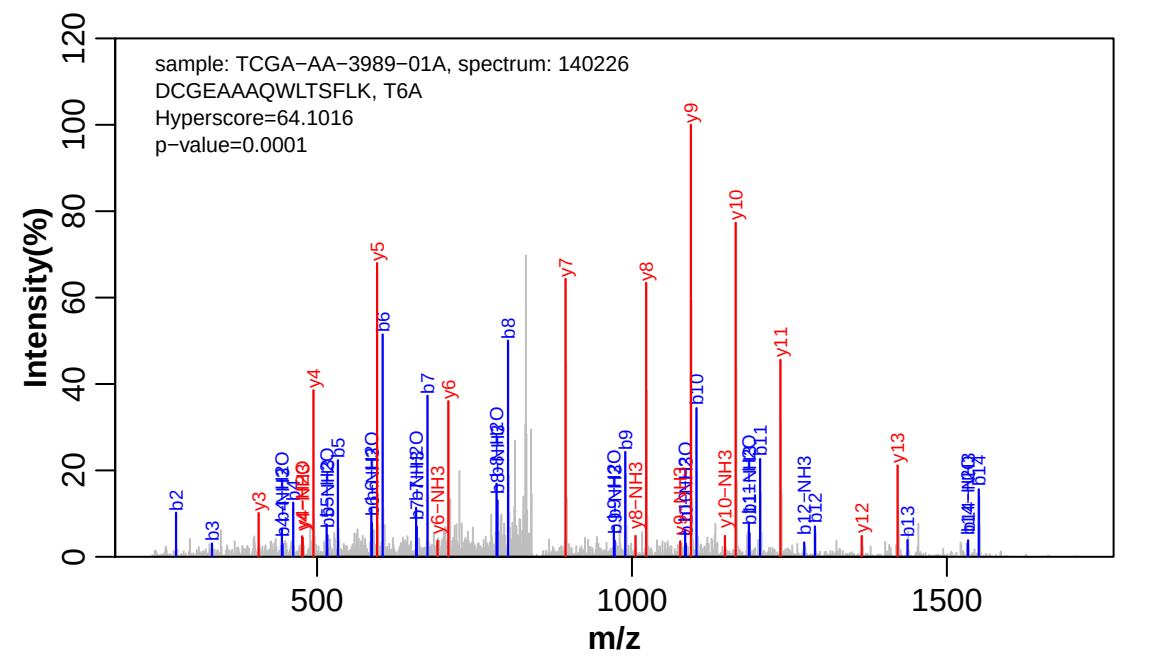

sample: TCGA−AA−3989−01A, spectrum: 53961
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=69.3414
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b11−NH3
y10−H2O
b28++−H2O
b9
y11++−H2O
b6
y5
b7
b25++
b21++y9

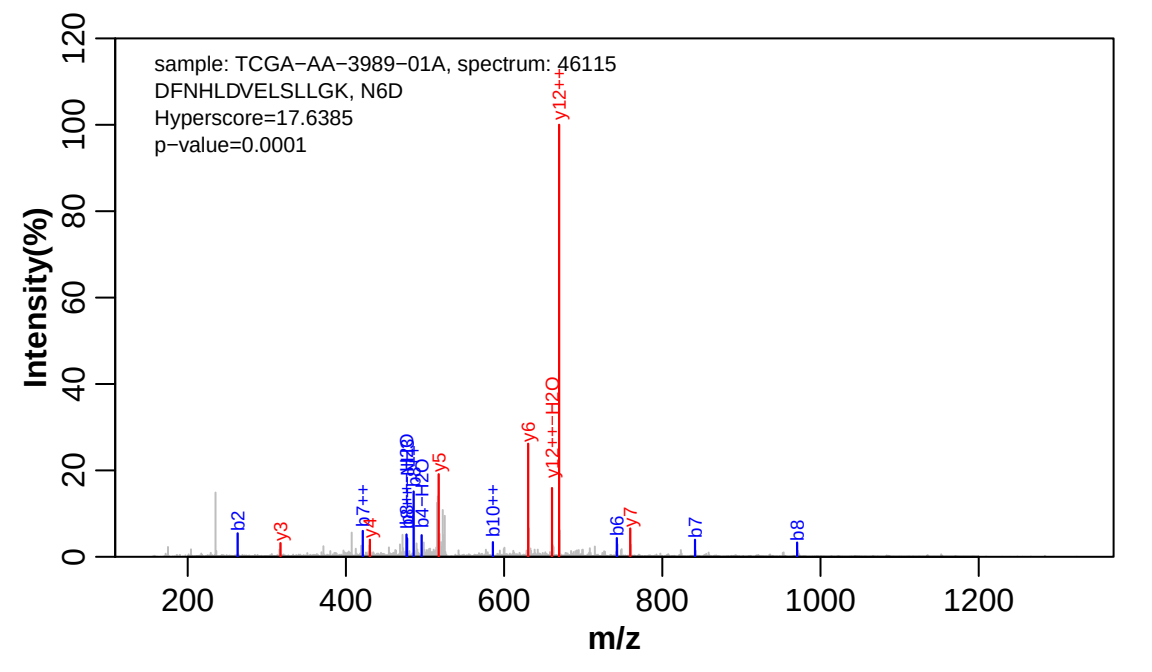

sample: TCGA−AA−3989−01A, spectrum: 47772
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=15.0944
p−value=0.0001
Intensity(%)
m/z
y11
y12
y11−H2O
y10
y13
y14
b10
b8
0
20
40
60
80
100
120
500
1000
1500
2000

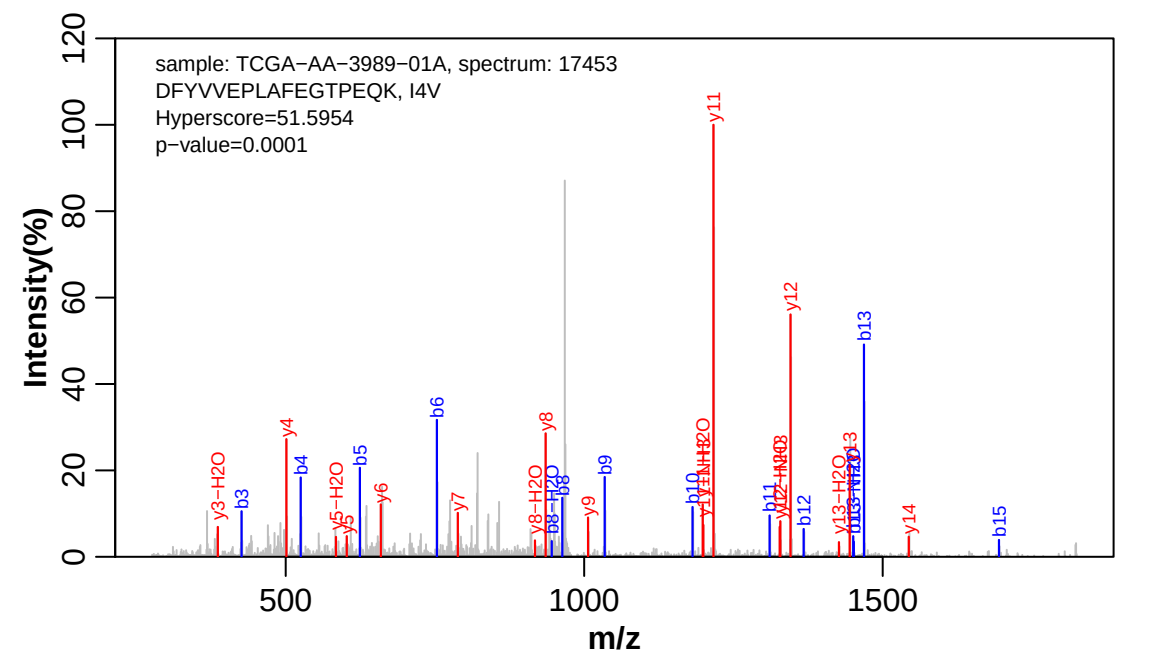

sample: TCGA−AA−3989−01A, spectrum: 10393
AGVETTTPSK, K7T
Hyperscore=26.1342
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
b7−NH3
b7−H2O
b7
y6
y7−H2O
y7
b9
y8

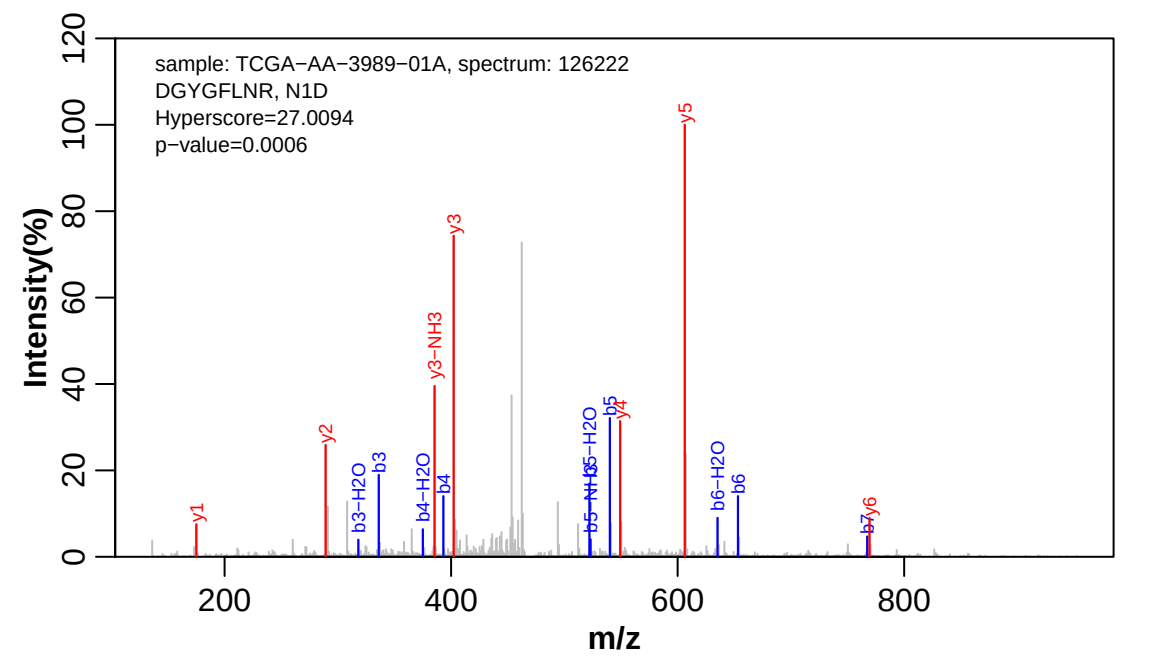

sample: TCGA−AA−3989−01A, spectrum: 44074
APSQHLSSFDPCFYR, R5H
Hyperscore=51.3335
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y9
y8
y7
b10
b9
b12++
b10++
y6++
y2
b7++
b8++−H2O
b10++−H2O
y8++−H2O
y9++−H2O
y11++−H2O
y14++−H2O
y11++−NH3
y14++−NH3
b10−NH3

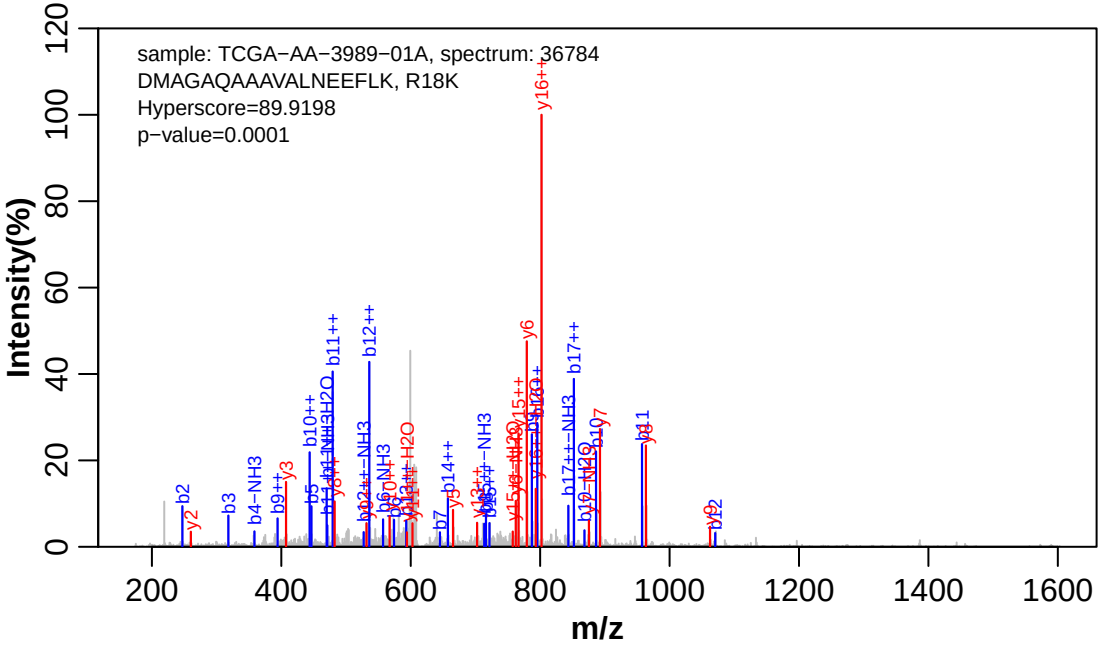

sample: TCGA−AA−3989−01A, spectrum: 70231
DAGNEQDLGLQYK, N1D
Hyperscore=26.3107
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
y4
y5
y6
y7
y8
y9
b6
b8
b9−NH3
y8−NH3
b10
b11
b12

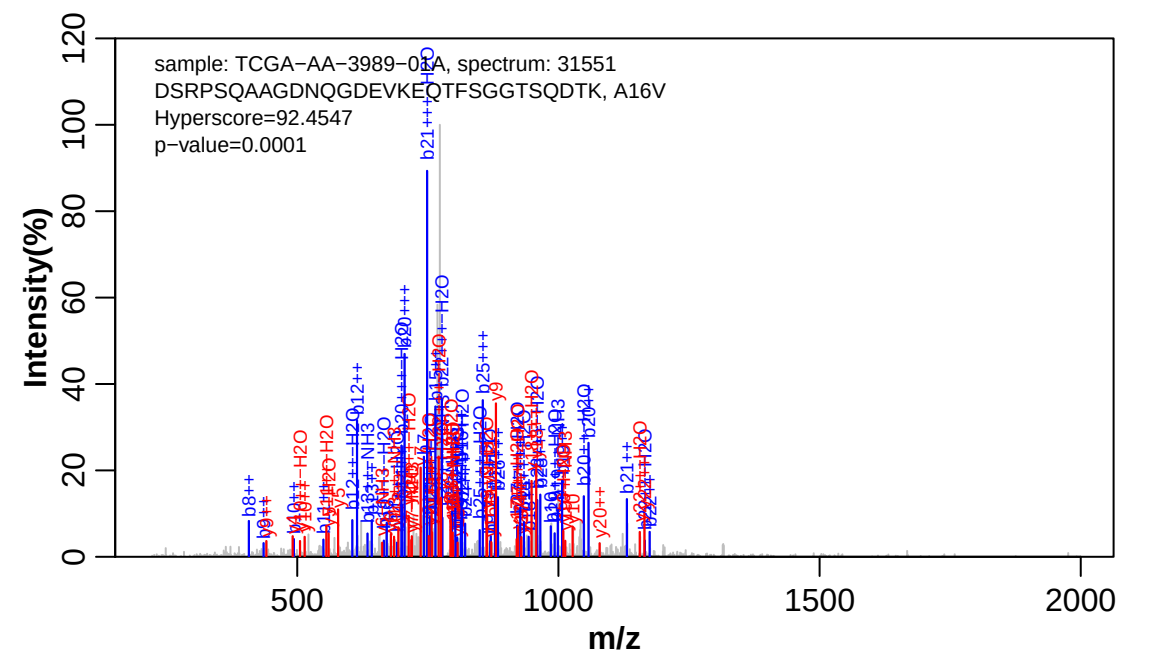

sample: TCGA−AA−3989−01A, spectrum: 140226
DCGEAAAQWLTSFLK, T6A
Hyperscore=64.1016
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
y3
y4
b5
y5
b6
b7
y6
y7
b8
y8
b9
y8−NH3
b10
y9
y10
y10−NH3
b11
y11
b12−NH3
y12
y13
b13
b14

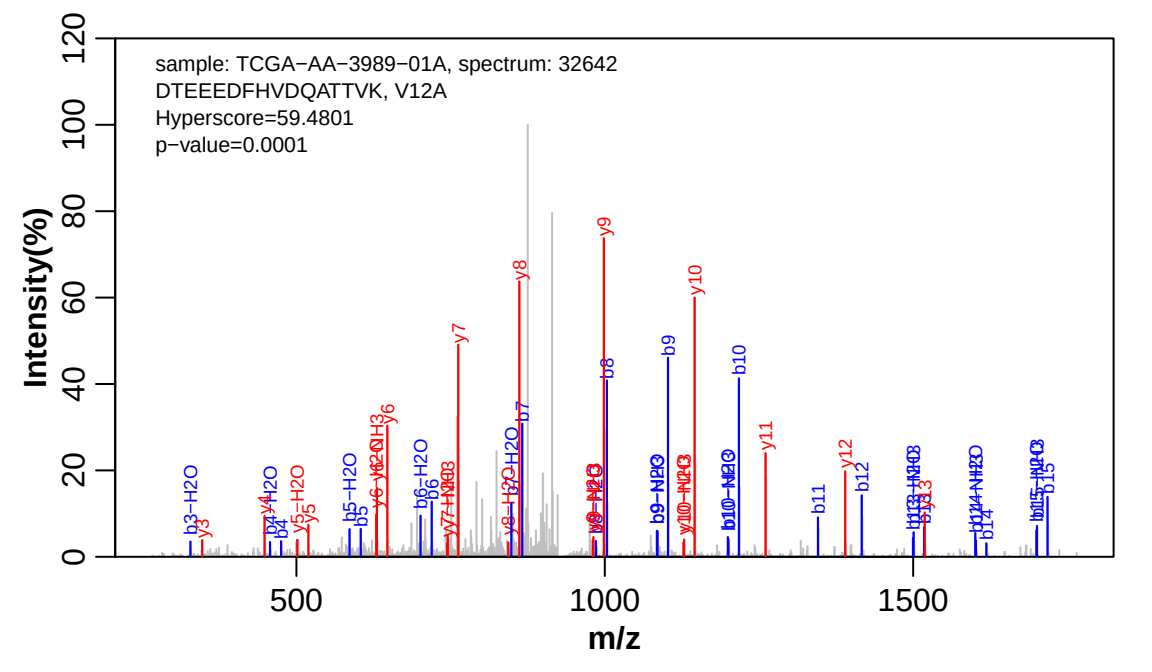

sample: TCGA−AA−3989−01A, spectrum: 46115
DFNHLDVELSLLGK, N6D
Hyperscore=17.6385
p−value=0.0001
Intensity(%)
m/z
y12++
y12++−H2O
y6
y5
y4
y3
b2
b7++
b10++
b6
y7
b7
b8
0
20
40
60
80
100
120
200
400
600
800
1000
1200

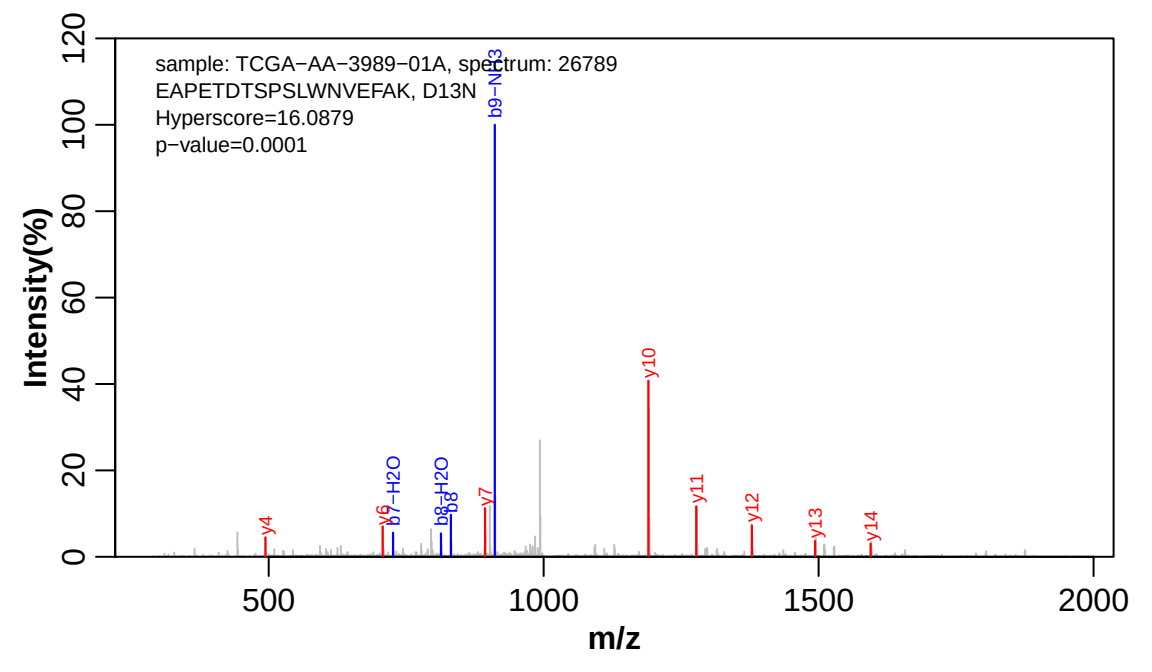

sample: TCGA−AA−3989−01A, spectrum: 17453
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=51.5954
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11
y12
b13
y4
b6
y8
y3−H2O
b4
b5
y5−H2O
y6
b3
y7
y8−H2O
b8−H2O
b8
b9
y9
b10
b11
b12
y13−H2O
y14
b15

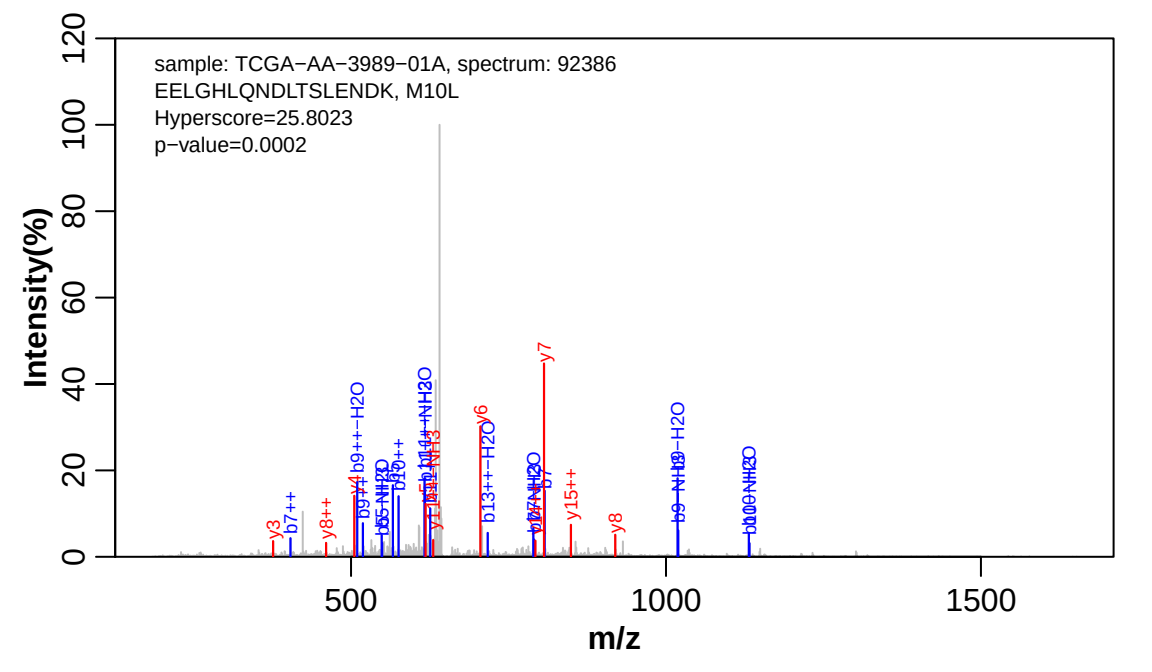

sample: TCGA−AA−3989−01A, spectrum: 126222
DGYGFLNR, N1D
Hyperscore=27.0094
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
b4
y3
y3−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

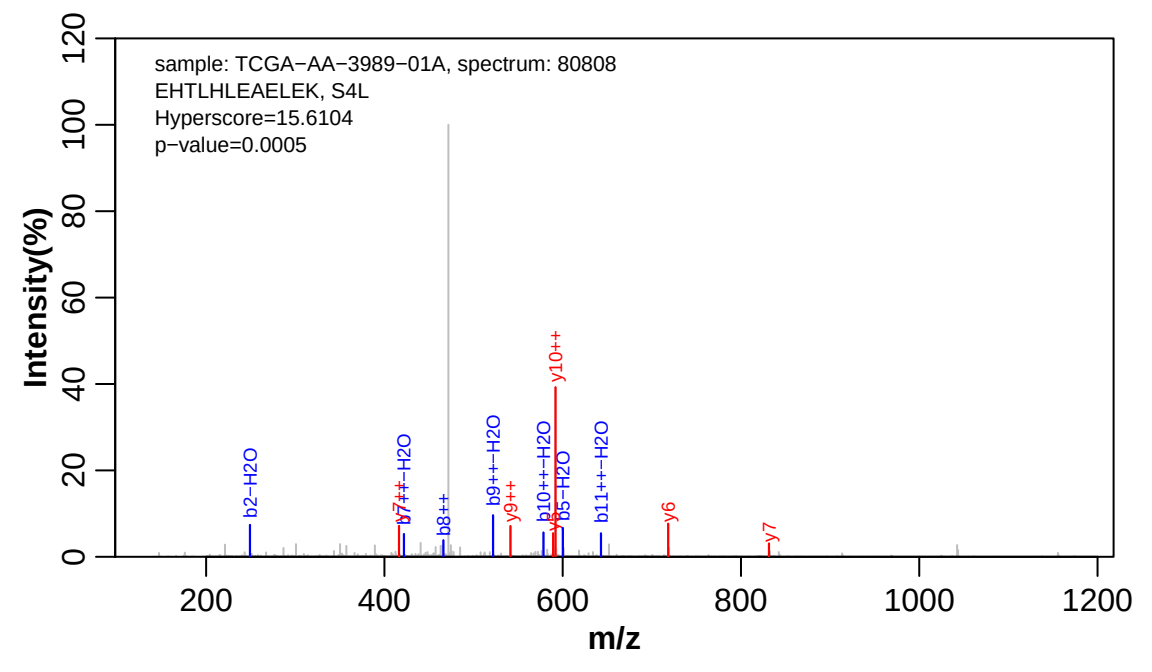

sample: TCGA−AA−3989−01A, spectrum: 36784
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=89.9198
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y16++
y6
b12++
b11++
b17++
b10++
y7
y11
y2
b2
b3
b4−NH3
b9++
y3
b5
b6−NH3
b14++
y14++
b7
y5
b14++
b8++
y15++
b17++−NH3
b10−H2O
y2

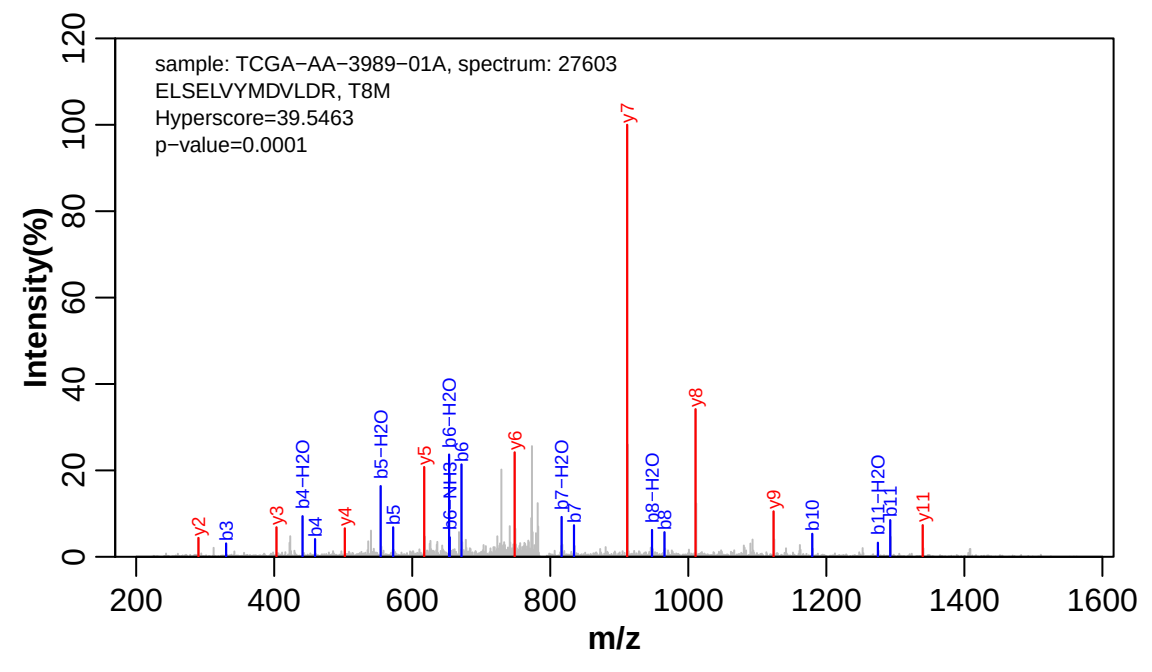

sample: TCGA−AA−3989−01A, spectrum: 31551
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=92.4547
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

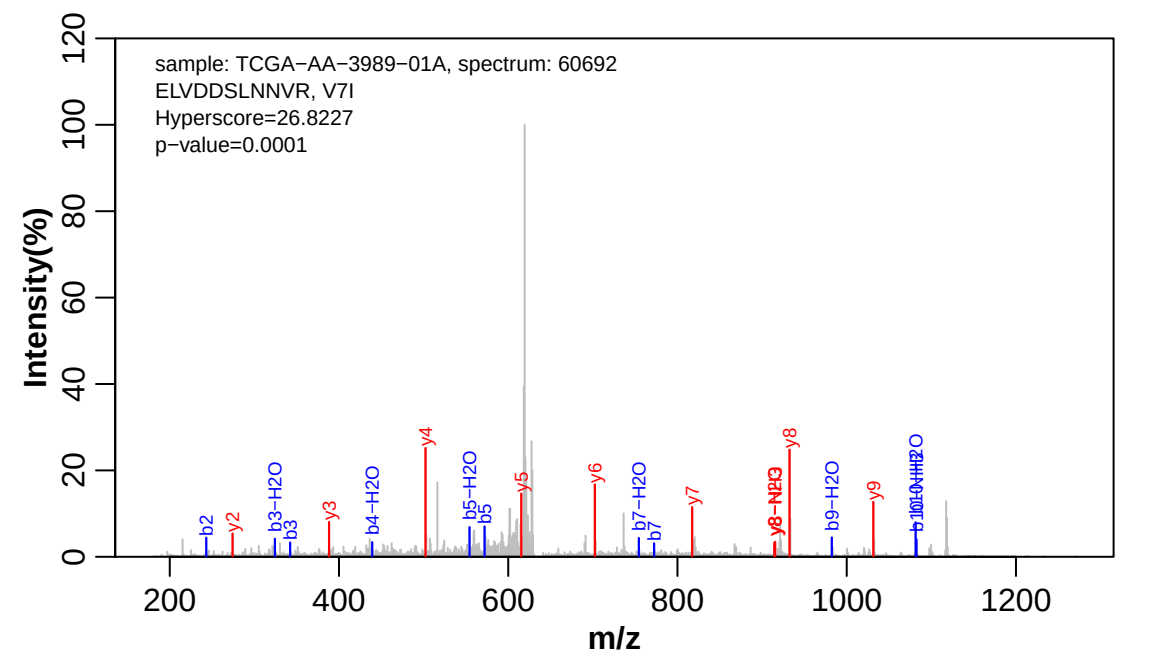

sample: TCGA−AA−3989−01A, spectrum: 32642
DTEEEDFHVDQATTVK, V12A
Hyperscore=59.4801
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y3
y4
y4−H2O
b4
y5
y5−H2O
b5
b5−H2O
y6
y6−H2O
b6
b6−H2O
y7
y7−H2O
b7
y8
y8−H2O
b8
y9
b9
b9−NH3
y10
y10−NH3
b10
b10−NH3
y11
b11
y12
b12
b13
b14
b15

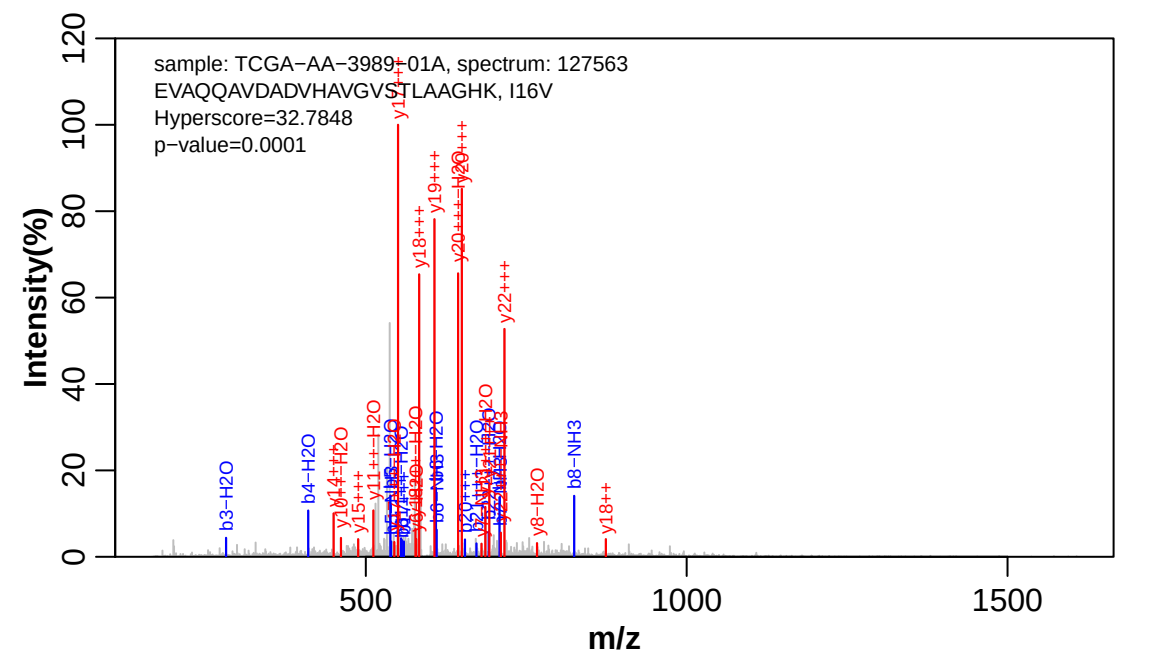

sample: TCGA−AA−3989−01A, spectrum: 26789
EAPETDTSPSLWNVEFAK, D13N
Hyperscore=16.0879
p−value=0.0001
b9−NH3
y10
y11
y12
y13
y14
y7
b8−H2O
b8
y6
b7−H2O
y4
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

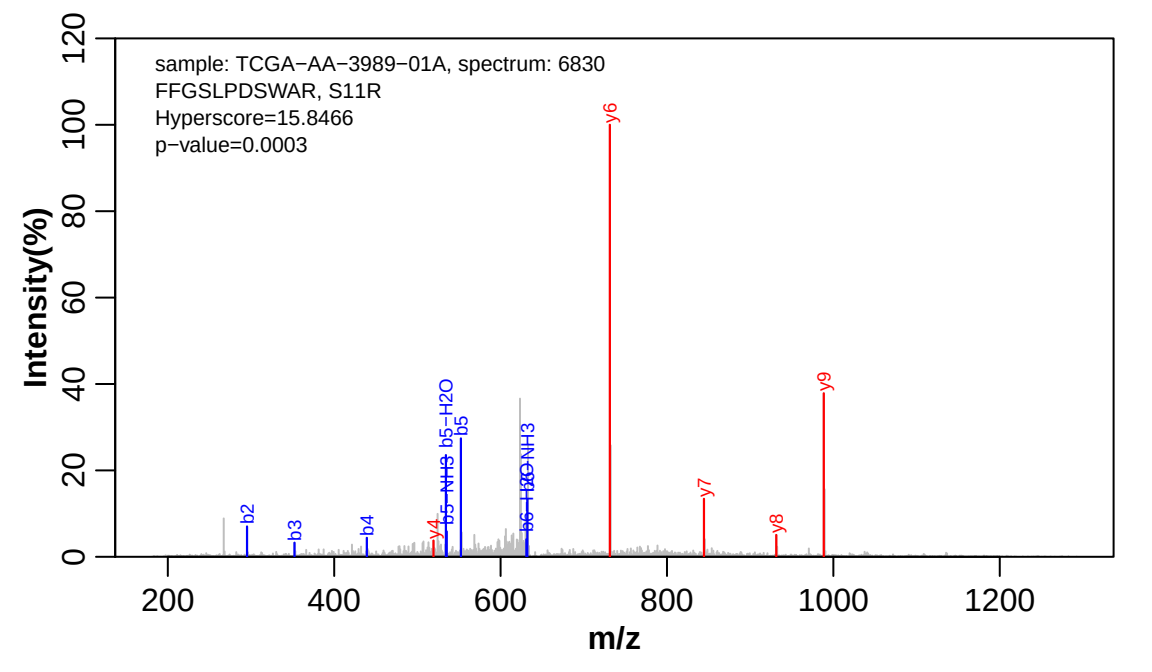

sample: TCGA−AA−3989−01A, spectrum: 92386
EELGHLQNDLTSLENDK, M10L
Hyperscore=25.8023
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b7++
y8++
y4
b9++−H2O
b9++
y7
y6
b13++−H2O
y15++
y8
b9−H2O

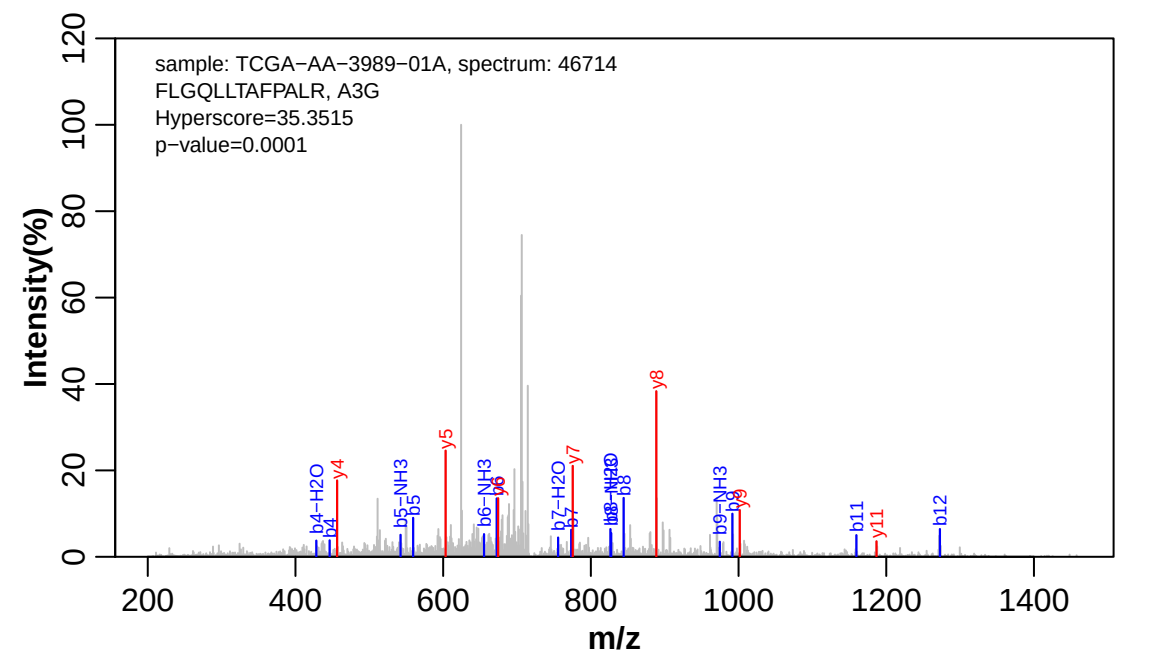

sample: TCGA−AA−3989−01A, spectrum: 80808
EHTLHLEAELEK, S4L
Hyperscore=15.6104
p−value=0.0005
Intensity(%)
m/z
b2−H2O
b7++−H2O
b8++
b9++−H2O
y9++
b10++−H2O
y10++
b5−H2O
b11++−H2O
y6
y7

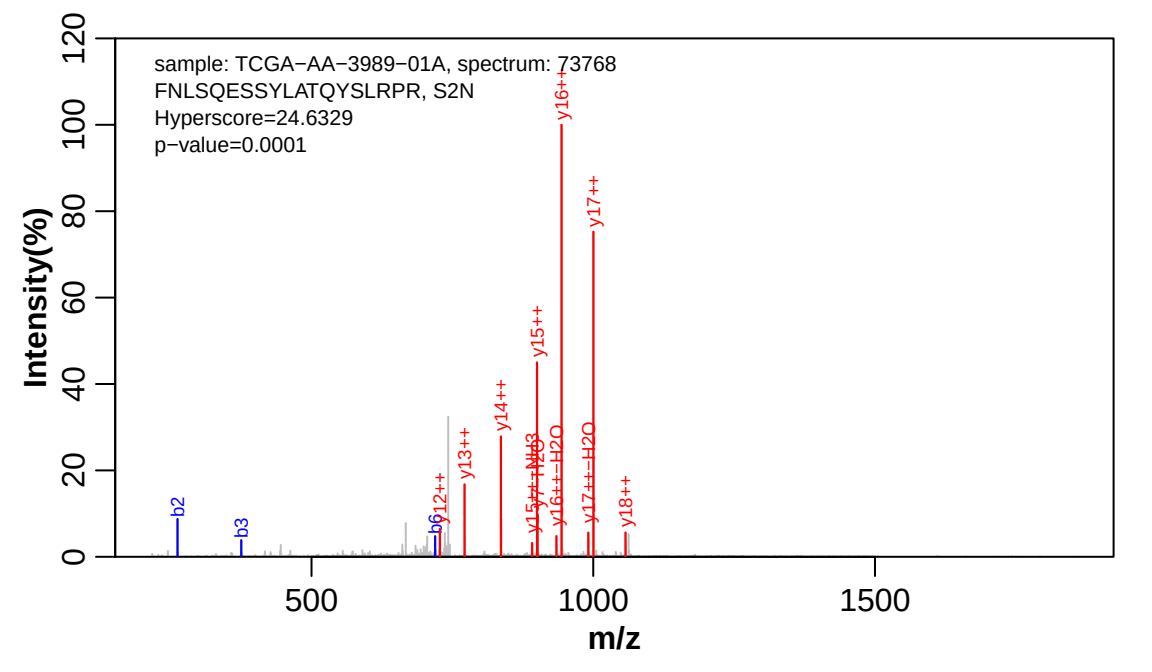

sample: TCGA−AA−3989−01A, spectrum: 27603
ELSELVYMDVLDR, T8M
Hyperscore=39.5463
p−value=0.0001
Intensity(%)
m/z
y7
y8
y6
y5
y9
y11
y4
y3
y2
b10
b11
b11−H2O
b8−H2O
b8
b7−H2O
b7
b6−H2O
b6
b6−NH3
b5−H2O
b5
b4−H2O
b4
b3

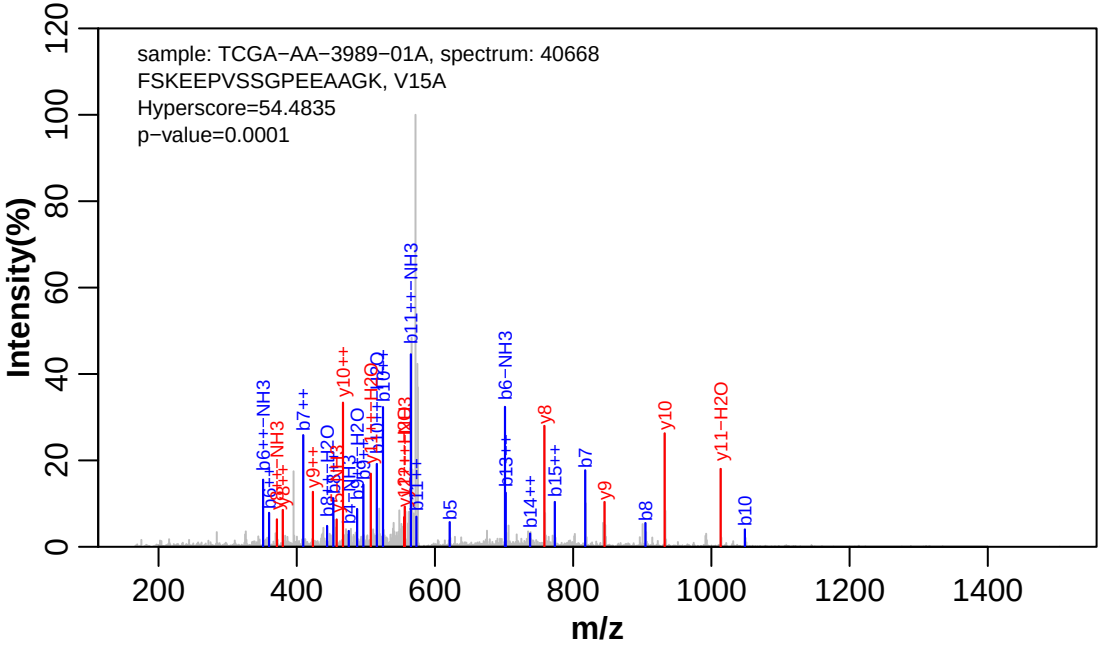

sample: TCGA−AA−3989−01A, spectrum: 60692
ELVDDSLNNVR, V7I
Hyperscore=26.8227
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7
y8−NH3
y8
b9−H2O
y9

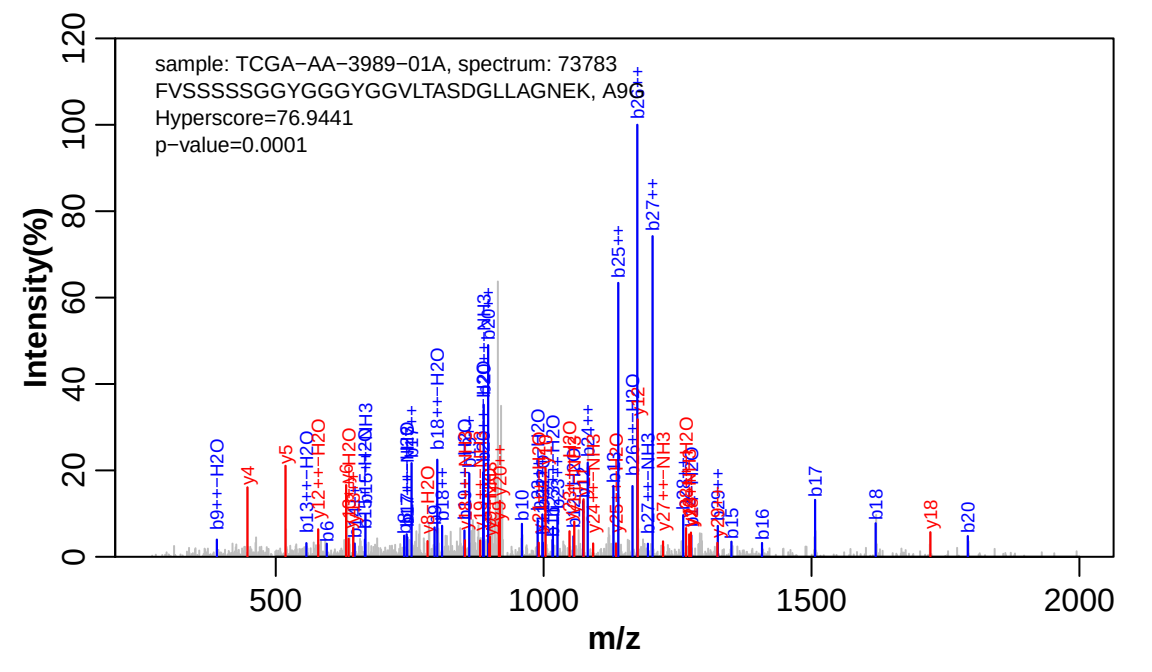

sample: TCGA−AA−3989−01A, spectrum: 127563
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=32.7848
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b4−H2O
y14++
y10++−H2O
y15+++
y11++−H2O
y17++
y18+++
y19+++
y20+++−H2O
y20+++
y22+++
b8−NH3
y8−H2O
y18++

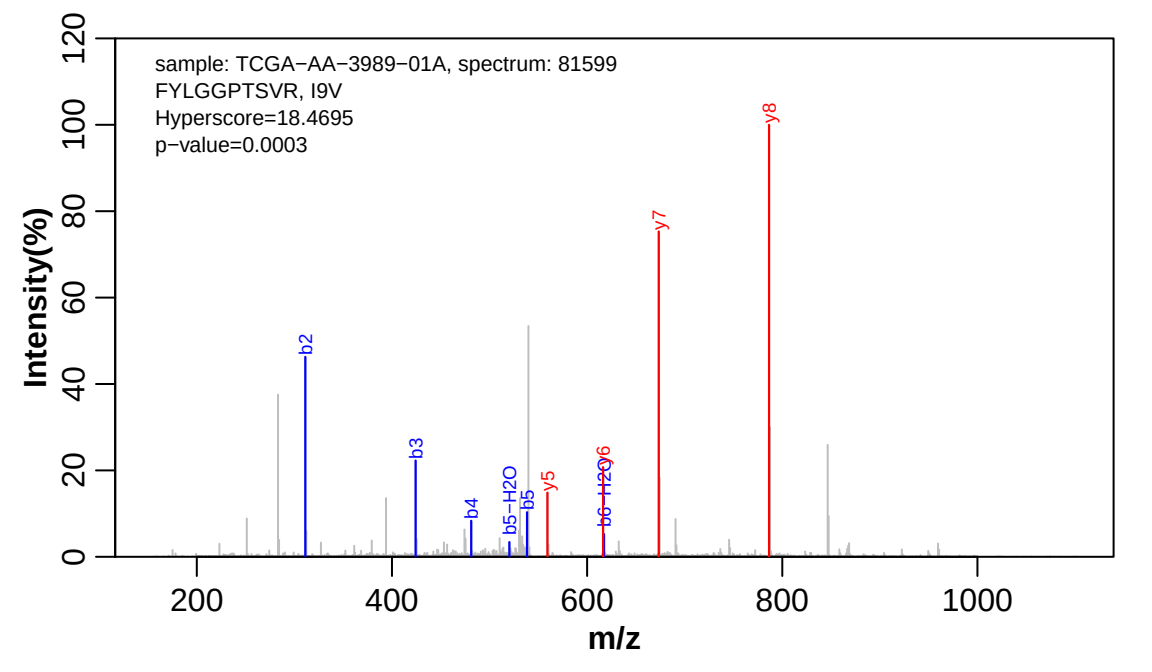

sample: TCGA−AA−3989−01A, spectrum: 6830
FFGSLPDSWAR, S11R
Hyperscore=15.8466
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y9
y7
y8
b2
b3
b4
y4
b5−NH3
b5−H2O
b5
b6−H2O−NH3

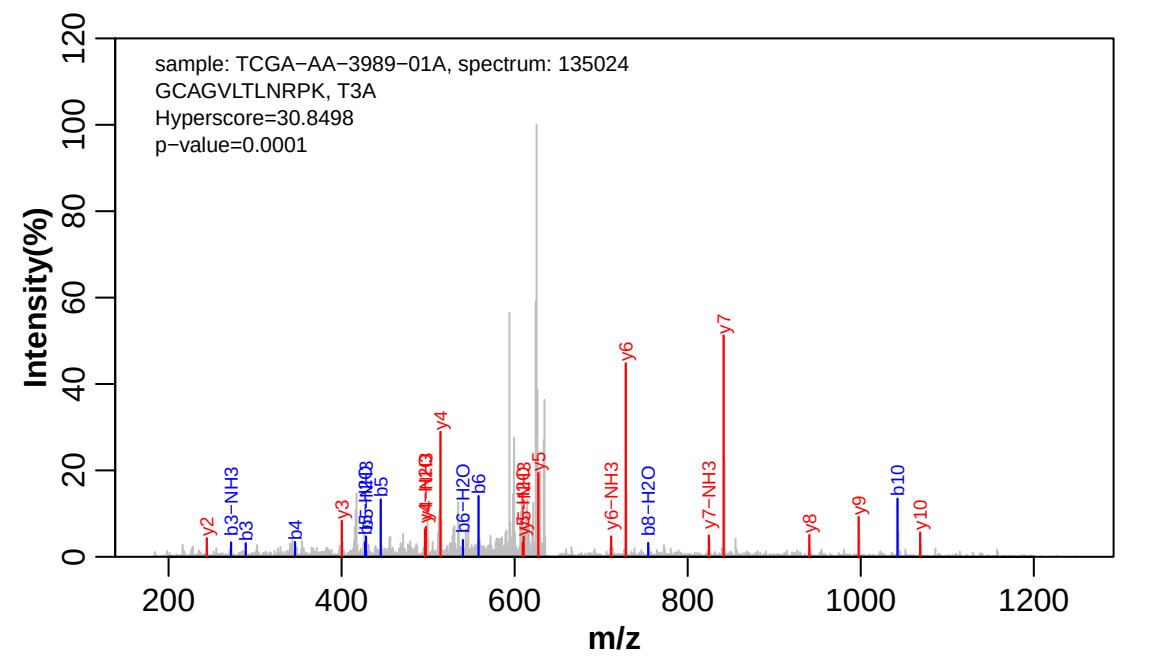

sample: TCGA−AA−3989−01A, spectrum: 46714
FLGQLLTAFPALR, A3G
Hyperscore=35.3515
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4−H2O
b4
y4
b5−NH3
b5
y5
b6−NH3
b6
y6
b7−H2O
b7
y7
b8
y8
b9−NH3
b9
y9
b11
y11
b12

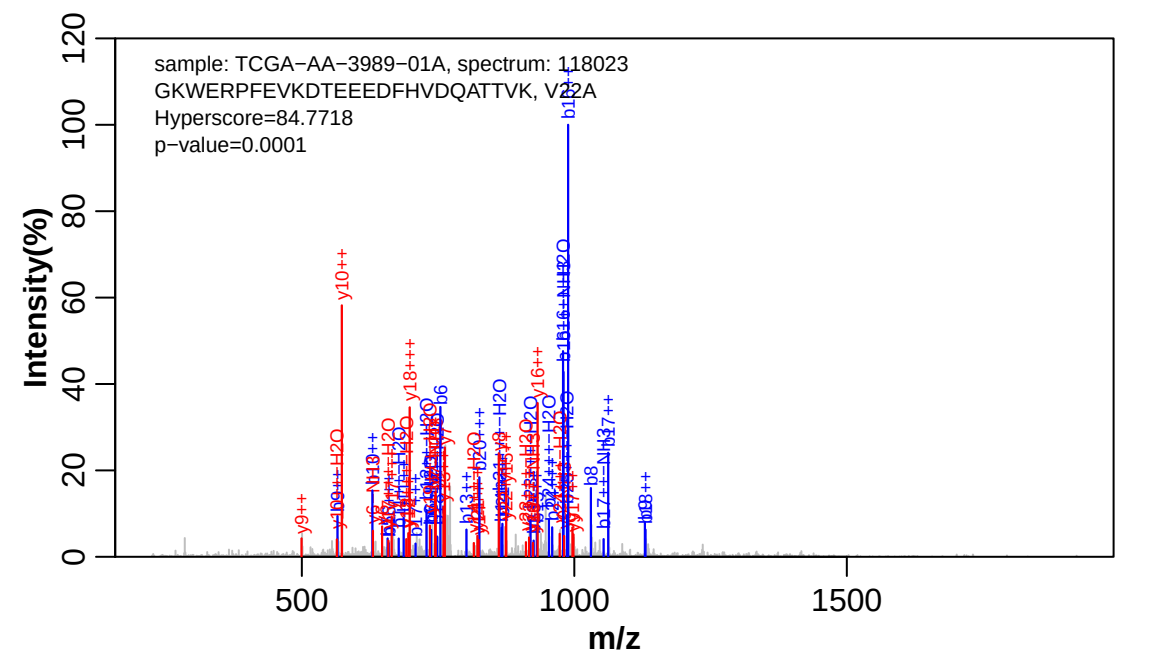

sample: TCGA−AA−3989−01A, spectrum: 73768
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=24.6329
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b6
y12++
y13++
y14++
y15++
y15++−NH3
y16++−H2O
y16++
y17++−H2O
y17++
y18++

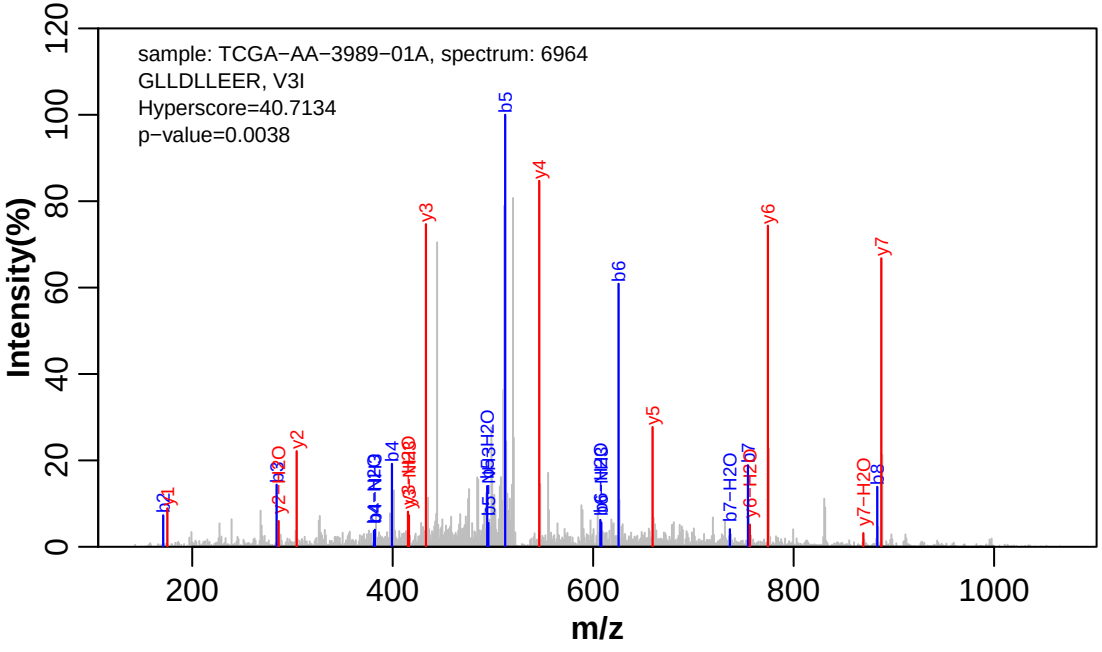

sample: TCGA−AA−3989−01A, spectrum: 40668
FSKEEPVSSGPEEAAGK, V15A
Hyperscore=54.4835
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b11++−NH3
b6−NH3
y8
y10
y11−H2O
b10
b5
b14++
b15++
b7
y9
b8
b13++
b6++−NH3
y8++−NH3
b7++
y9++
y10++

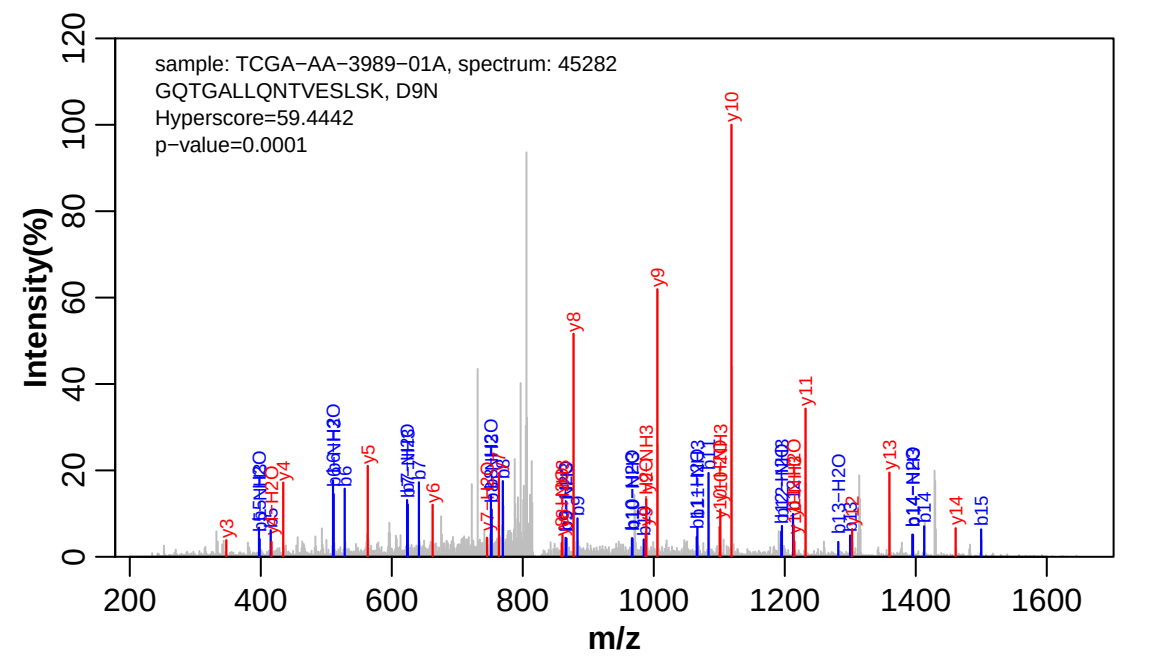

sample: TCGA−AA−3989−01A, spectrum: 73783
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=76.9441
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−H2O
y4
y5
b13++−H2O
b6
y12++−H2O
b18++−H2O
y8
b18++
b10
b26++
b27++
b25++
y26++
y27++−NH3
b17
b18
y18
b20
b15
b16
y29++

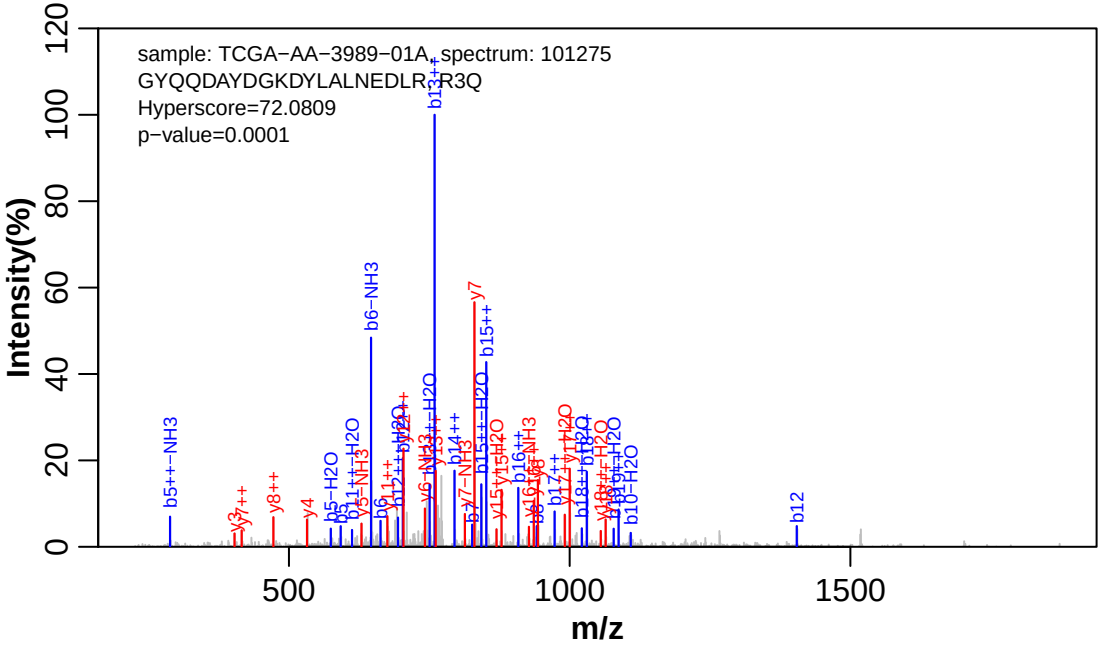

sample: TCGA−AA−3989−01A, spectrum: 81599
FYLGGPTSVR, I9V
Hyperscore=18.4695
p−value=0.0003
Intensity(%)
m/z
b2
b3
b4
b5−H2O
b5
y5
b6−H2O
y6
y7
y8
0
20
40
60
80
100
120
200
400
600
800
1000

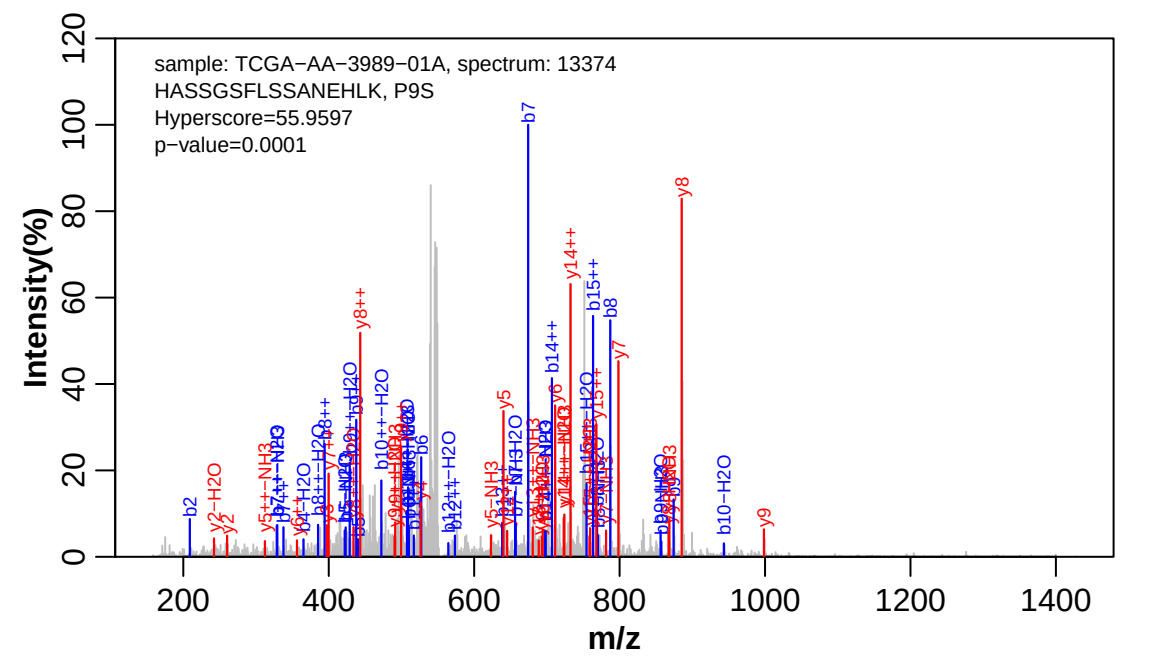

sample: TCGA−AA−3989−01A, spectrum: 135024
GCAGVLTLNRPK, T3A
Hyperscore=30.8498
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−NH3
b3
b4
y3
b5
y4
b6−H2O
b6
y5
y6
y6−NH3
b8−H2O
y7
y7−NH3
y8
y9
b10
y10

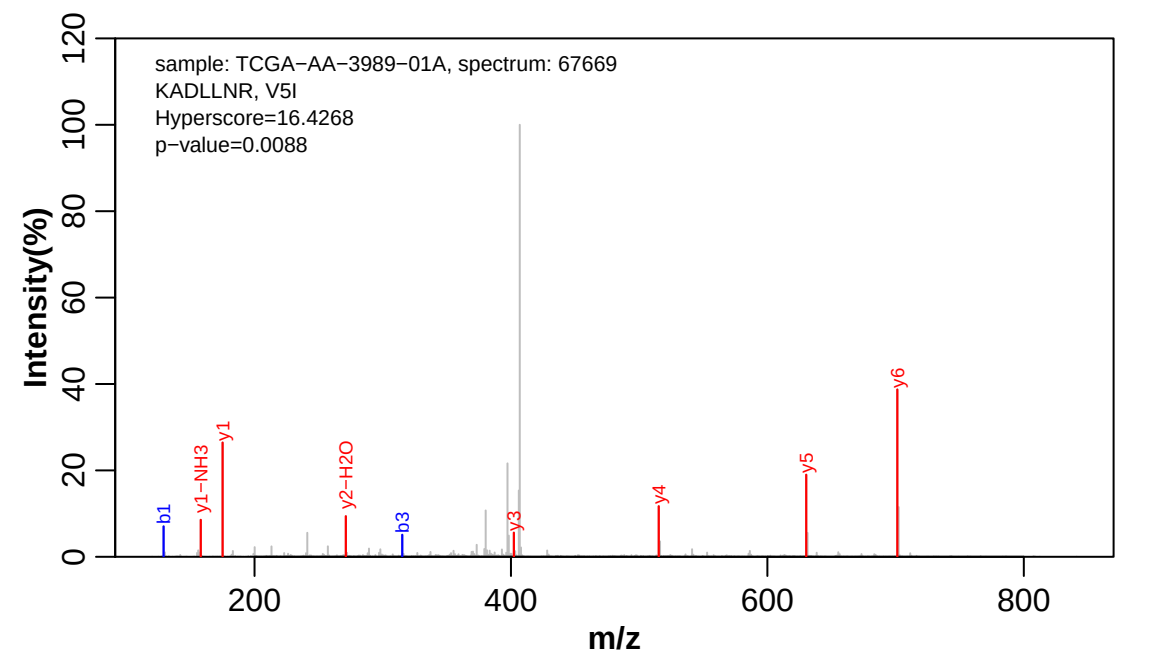

sample: TCGA−AA−3989−01A, spectrum: 118023
GKWERPFEVKDTEEEDFHVDQATTVK, VL2A
Hyperscore=84.7718
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y10++
b10++
y9++
b17++
b8
b37++
b28++

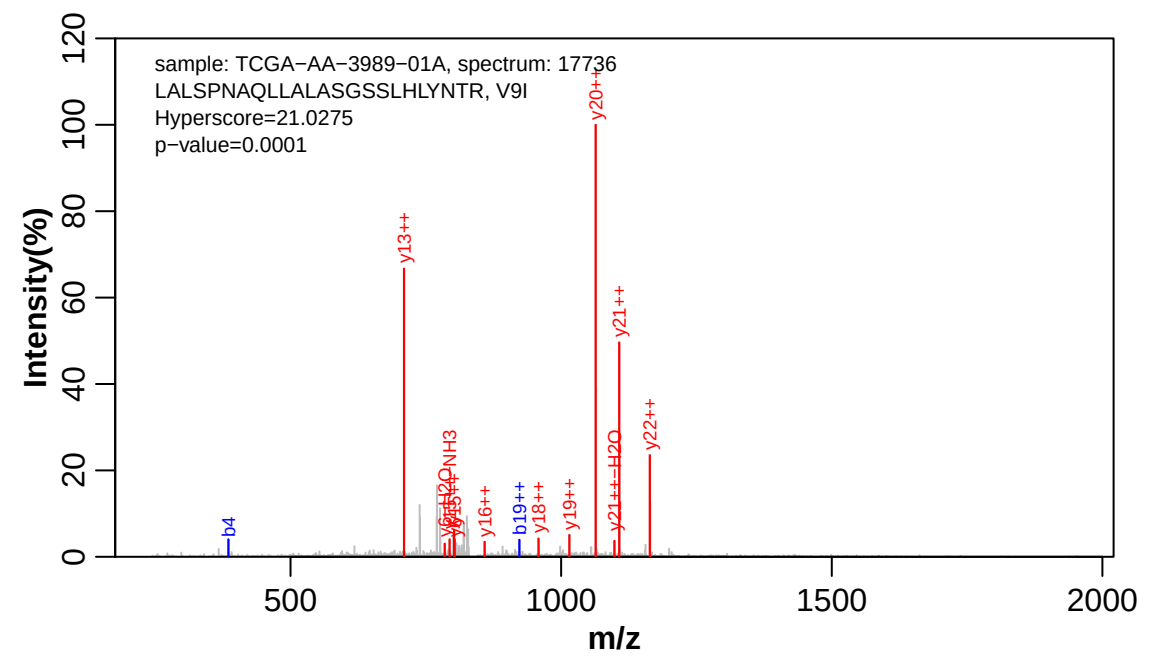

sample: TCGA−AA−3989−01A, spectrum: 6964
GLLDLLEER, V3I
Hyperscore=40.7134
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b1
y2
b4
y3
b5
y4
b6
y5
b7−H2O
y6
y7
y7−H2O
b8

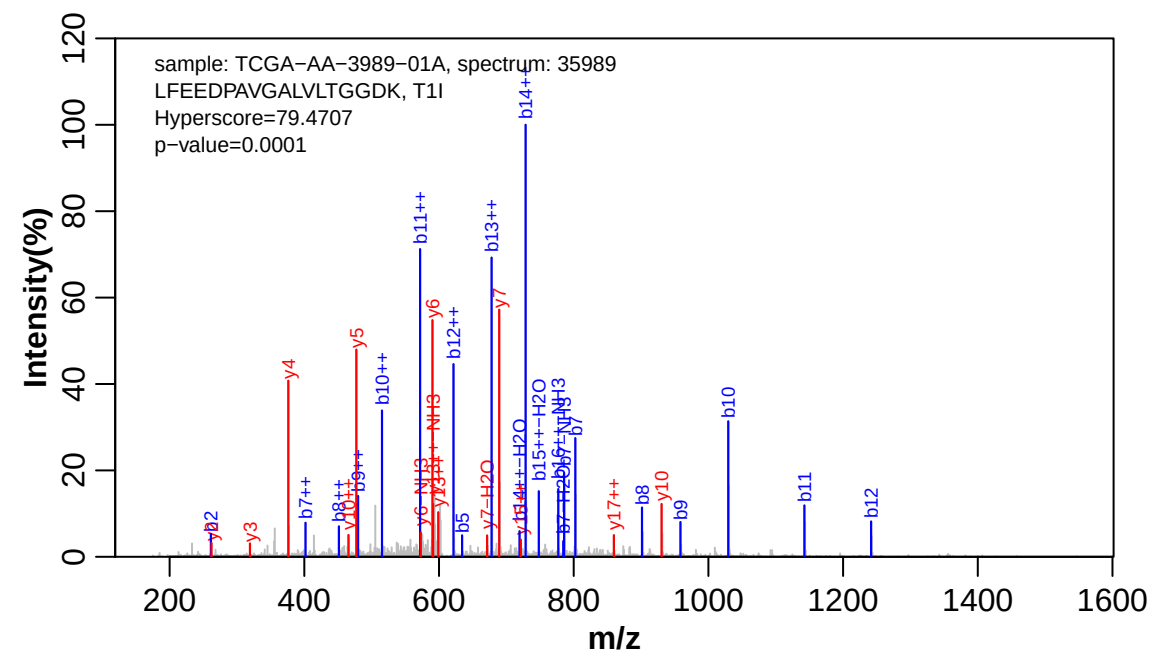

sample: TCGA−AA−3989−01A, spectrum: 45282
GQTGALLQNTVESLSK, D9N
Hyperscore=59.4442
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
y4
y5
y6
y8
y9
y10
y11
y13
y14
b15

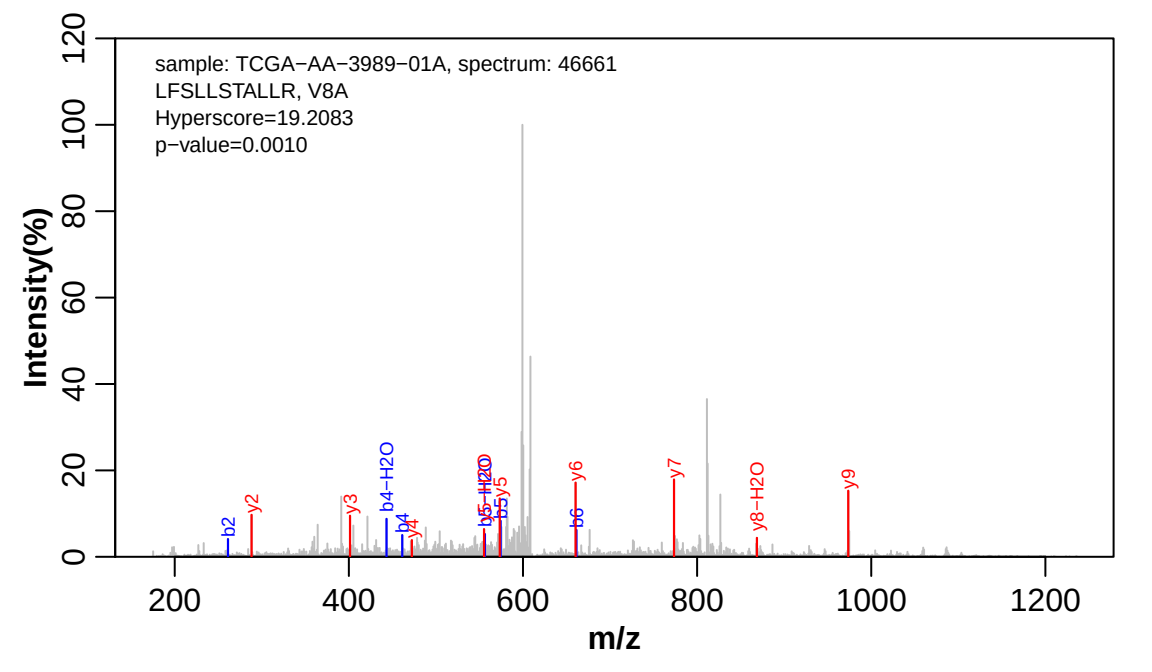

sample: TCGA−AA−3989−01A, spectrum: 101275
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=72.0809
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b13++
b6−NH3
y7
b15++
b5++−NH3
y8++
y4
b5−H2O
b6
b5
y5−NH3
b11++
b12++
b12
y7−NH3
b14++
y15++
y15++−H2O
b16++
b17++
b10−H2O
b12

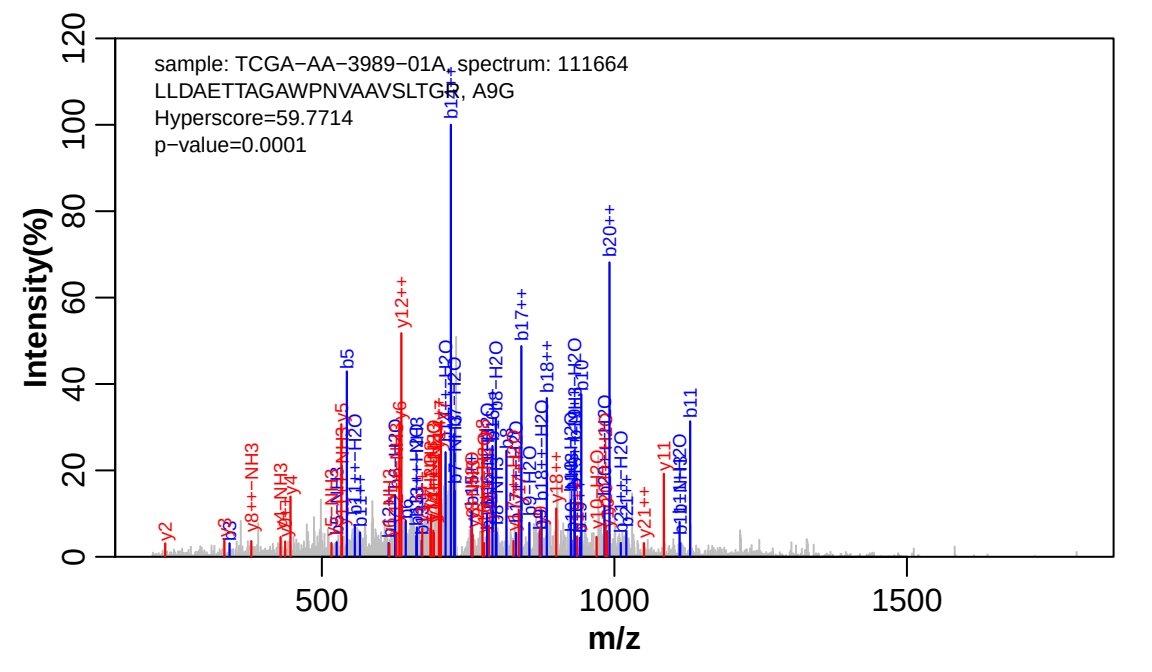

sample: TCGA−AA−3989−01A, spectrum: 13374
HASSGSFLSSANEHLK, P9S
Hyperscore=55.9597
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b7
y8
y14++
b15++
b8
y8++
y7
b14++
y6
y5
b10++−H2O
b10−H2O
y9
b2
y2−H2O
y2
y5++−NH3
b7++−NH3
b7++
y6++−H2O
b8++−H2O
y7++
b6
b12++−H2O
y5−NH3
y5−H2O
y15++
y9++
y9++−H2O
y9++−NH3
b9++−H2O
b9++−NH3
y9−H2O
y9−NH3

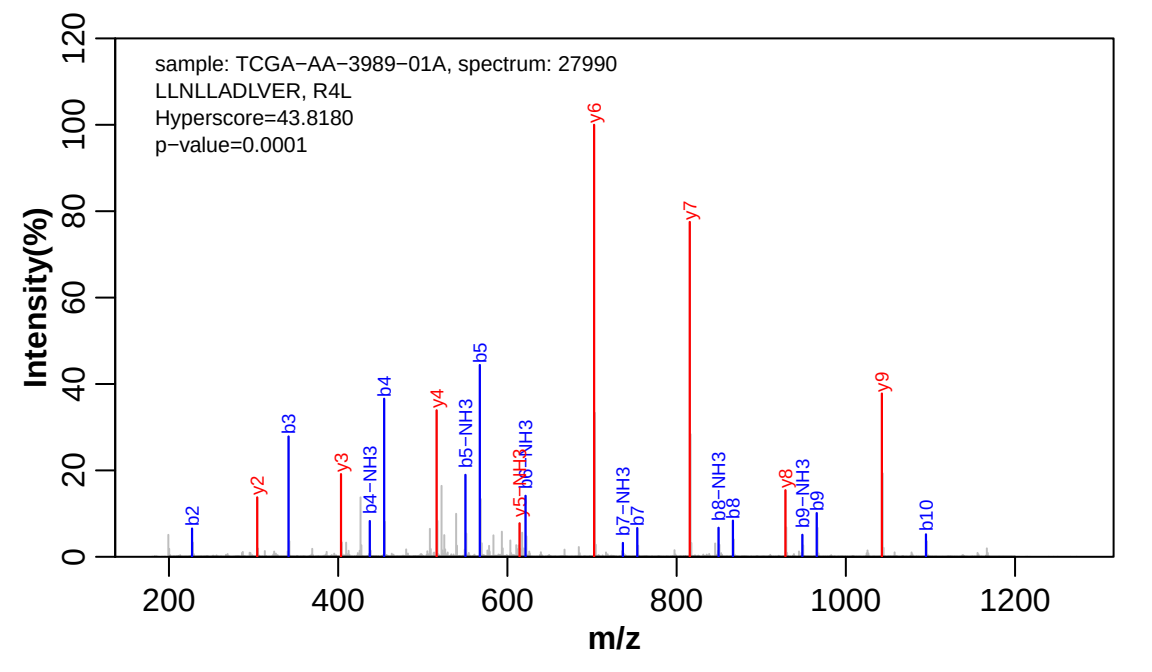

sample: TCGA−AA−3989−01A, spectrum: 67669
KADLLNR, V5I
Hyperscore=16.4268
p−value=0.0088
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b1
y1−NH3
y1
y2−H2O
b3
y3
y4
y5
y6

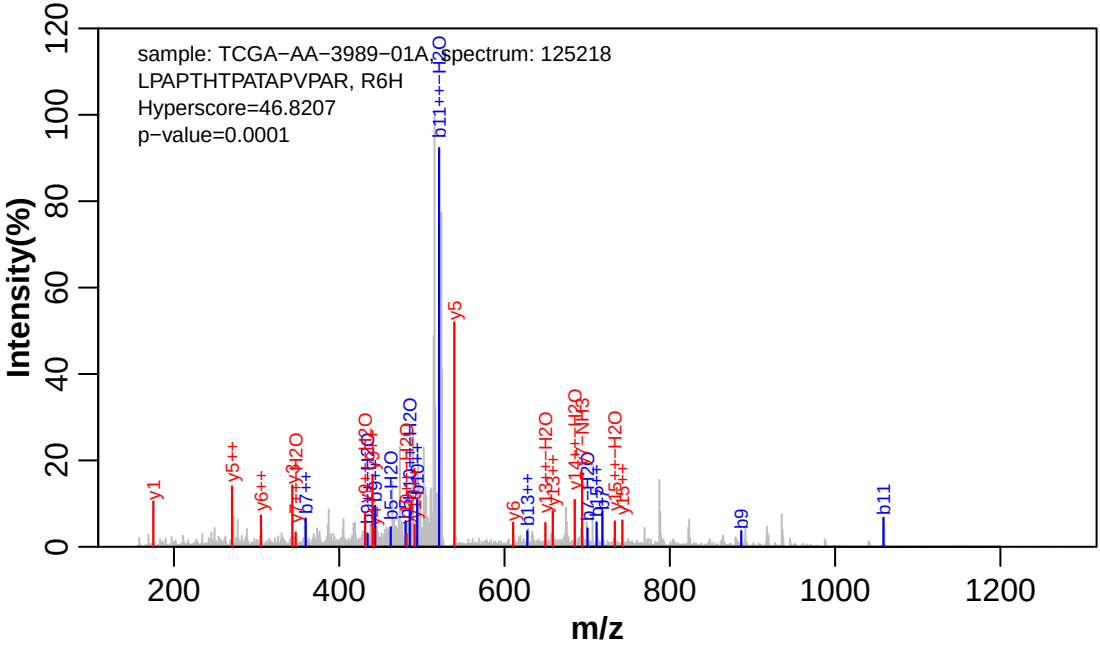

sample: TCGA−AA−3989−01A, spectrum: 17736
LALSPNAQLLALASGSSLHLYNTR, V9I
Hyperscore=21.0275
p−value=0.0001
Intensity(%)
m/z
y20++
y13++
y21++
y22++
y21++−NH3
y21++−H2O
y16++
b19++
y18++
y19++
b4
0
20
40
60
80
100
120
500
1000
1500
2000

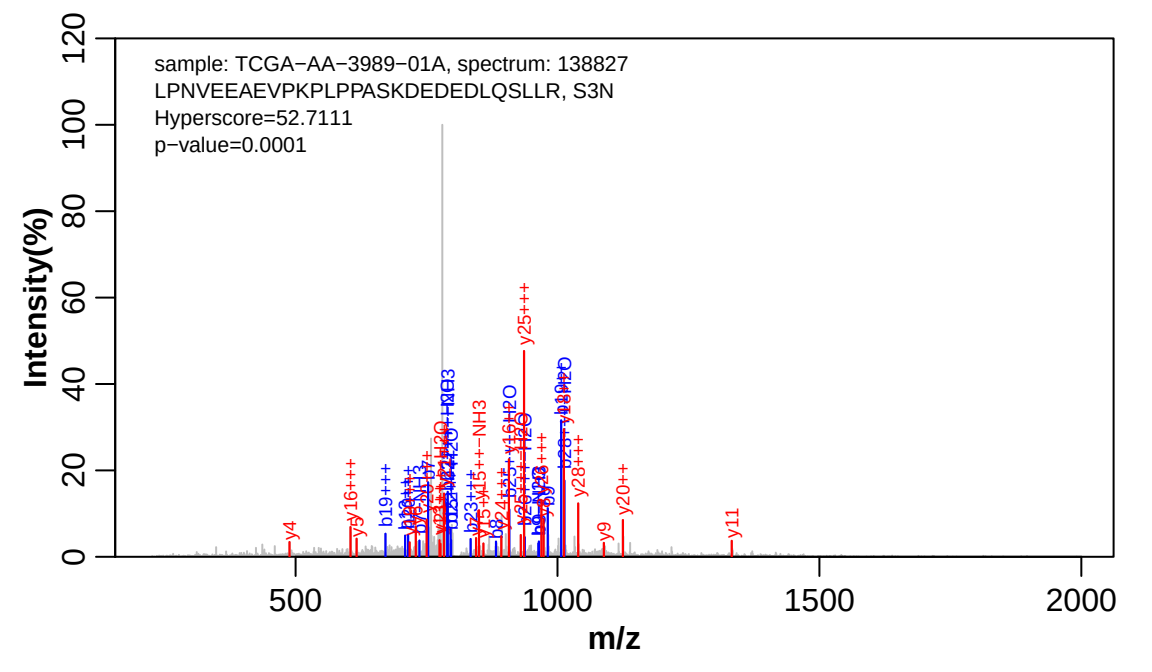

sample: TCGA−AA−3989−01A, spectrum: 35989
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=79.4707
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b14++
b11++
b13++
y6
y7
y5
y4
b12++
b10++
b10
b11
b12
y17++
b8
y10
b9
b5
y3
y2
b7++
b8++
y10++
b6++
y6−NH3
y7−H2O
b15++−H2O
b7−H2O
b16++−NH3
b7
y14++−H2O

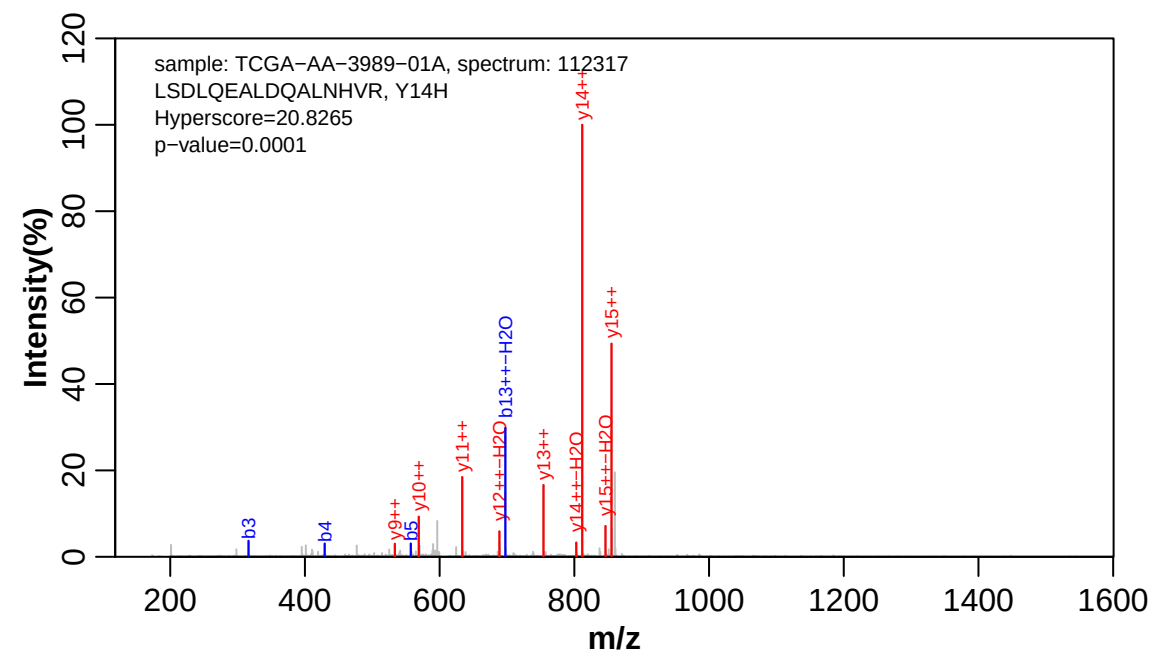

sample: TCGA−AA−3989−01A, spectrum: 46661
LFSLLSTALLR, V8A
Hyperscore=19.2083
p−value=0.0010
Intensity(%)
m/z
b2
y2
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
y6
b6
y7
y8−H2O
y9

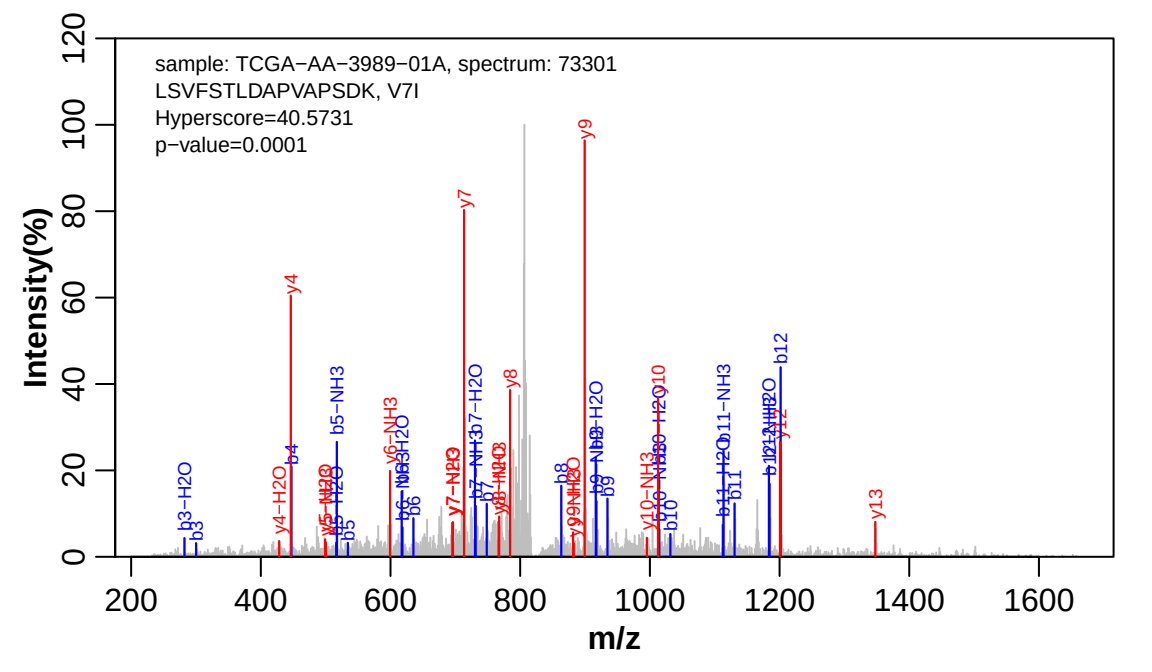

sample: TCGA−AA−3989−01A, spectrum: 111664
LLDAETTAGAWPNVAAVSLTGR, A9G
Hyperscore=59.7714
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b12++
y12++
b20++
b17++
b18++
b5
b11
y11
y21++
y8++−NH3
y2
y4
b3
b21++−H2O
b11++−H2O
b8−H2O

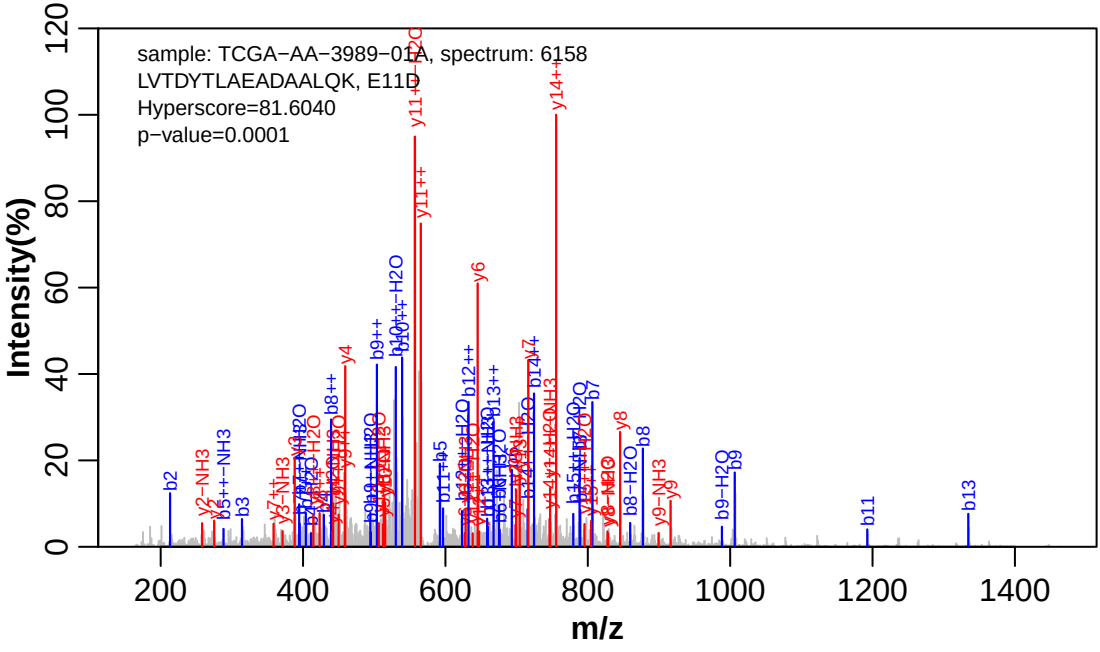

sample: TCGA−AA−3989−01A, spectrum: 27990
LLNLLADLVER, R4L
Hyperscore=43.8180
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y8
y4
y3
y2
b5
b4
b3
b2
b5−NH3
b4−NH3
y5−NH3
b6−NH3
b7−NH3
b7
b8−NH3
b8
b9−NH3
b9
b10

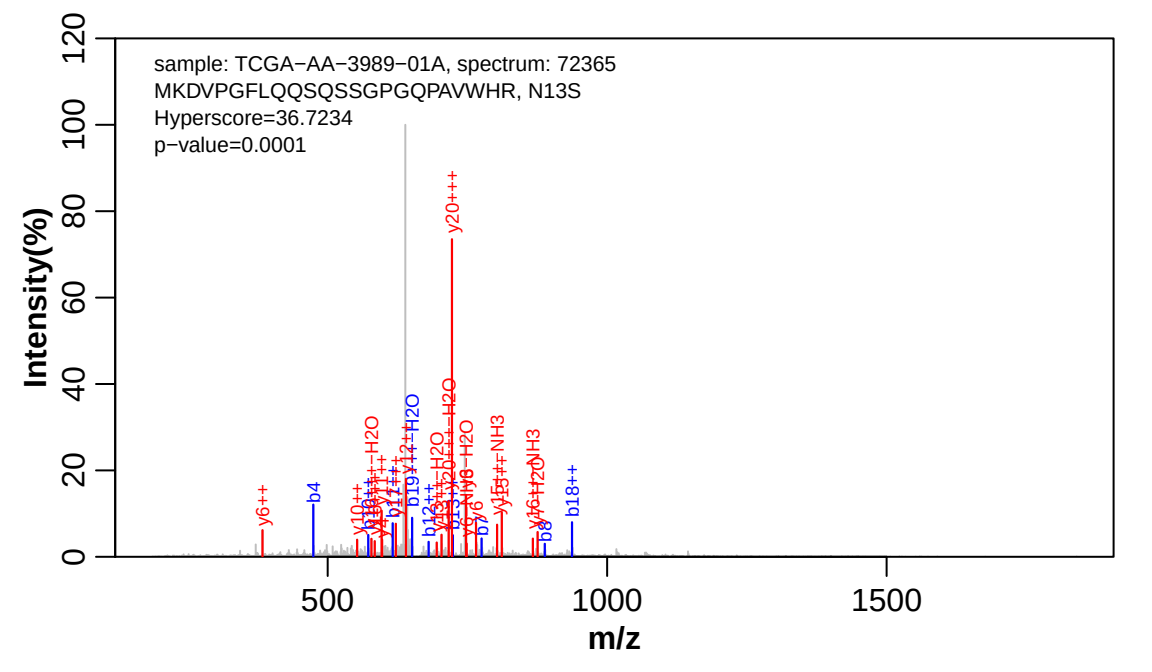

sample: TCGA−AA−3989−01A, spectrum: 125218
LPAPTHTPATAPVPAR, R6H
Hyperscore=46.8207
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b11++−H2O
y5
y5++
y6++
y7++−H2O
b7++
b5−H2O
y6
b13++
y13++−H2O
y14++−NH3
y14++
b7
y15++−H2O
b9
b11
y1

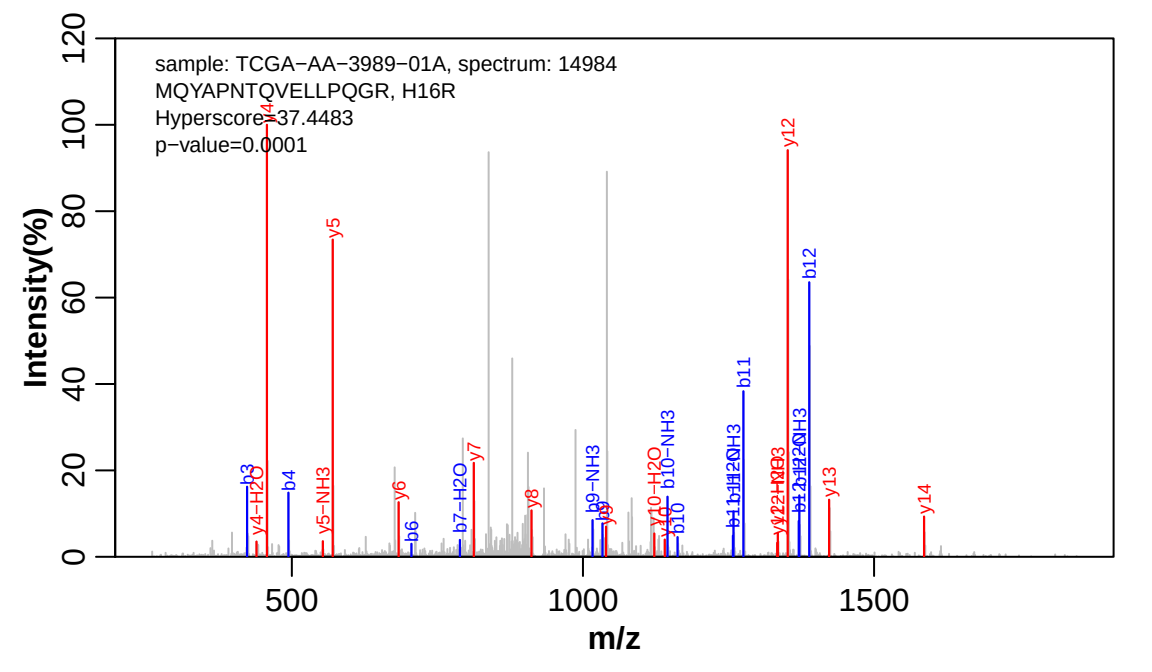

sample: TCGA−AA−3989−01A, spectrum: 138827
LPNVEEAEVPKPLPPASKDEDEDLQSLLR, S3N
Hyperscore=52.7111
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
y4
y16+++
y9
b19+++
y25+++
y28+++
y20++
y9
y11

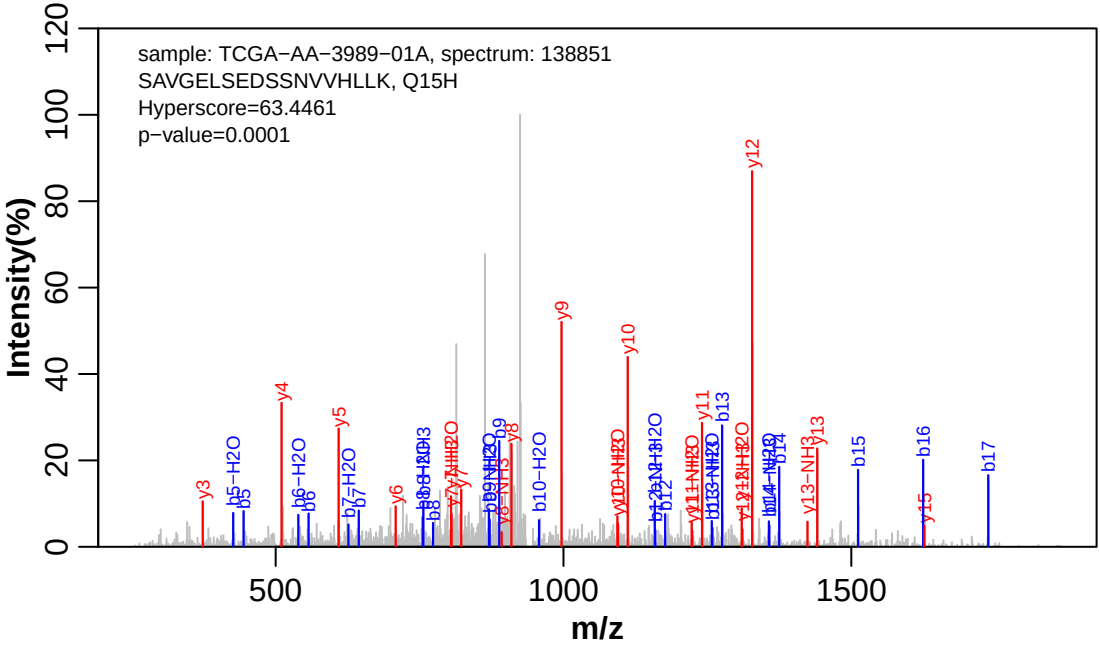

sample: TCGA−AA−3989−01A, spectrum: 112317
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.8265
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b4
y9++
b5
y10++
y11++
y12++−H2O
b13++−H2O
y13++
y14++−H2O
y14++
y15++−H2O
y15++

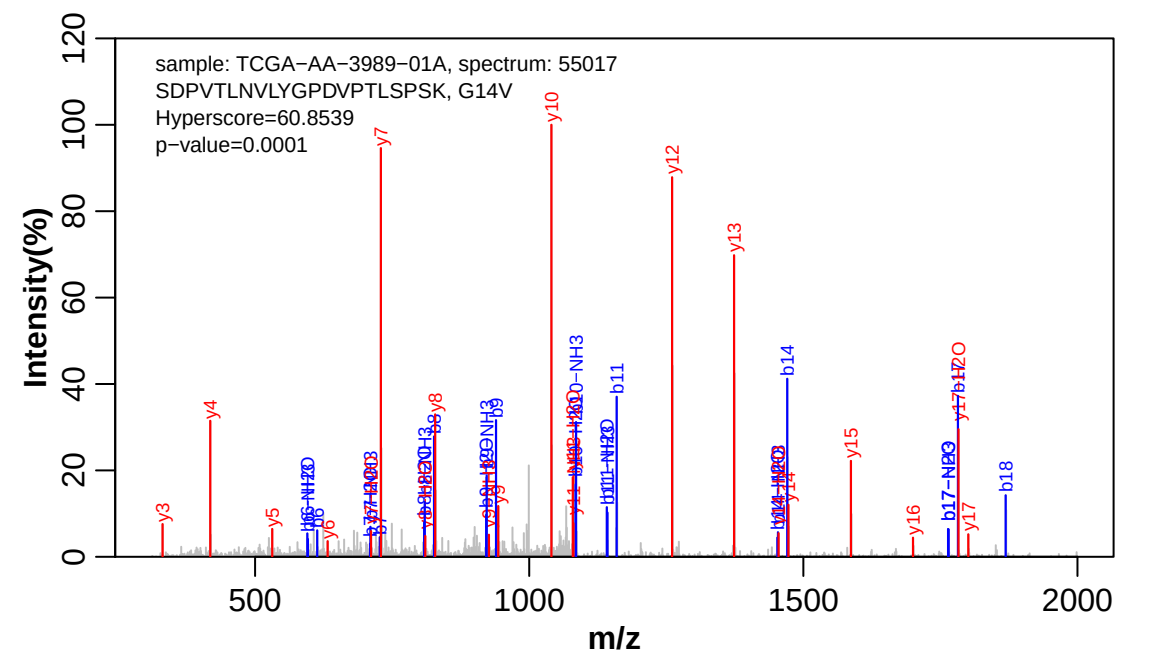

sample: TCGA−AA−3989−01A, spectrum: 73301
LSVFSTLDAPVAPSDK, V7I
Hyperscore=40.5731
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y7
y4
y8
b12
y13
b5−NH3
y7−H2O
y4−H2O
b3−H2O
b11−NH3
b11−H2O
y10−NH3
b3
b4
b5
b11
y12

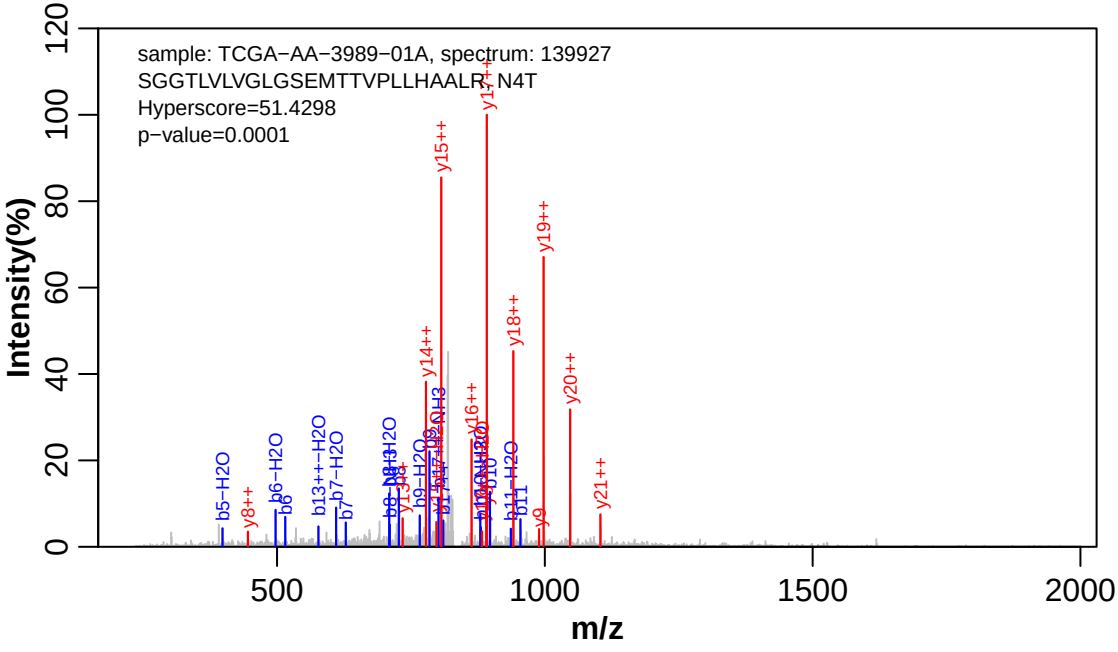

sample: TCGA−AA−3989−01A, spectrum: 6158
LVTDYTLAEADAALQK, E11D
Hyperscore=81.6040
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y14++
y11++
y6
b2
b3
b7
b8
b9
b11
b13

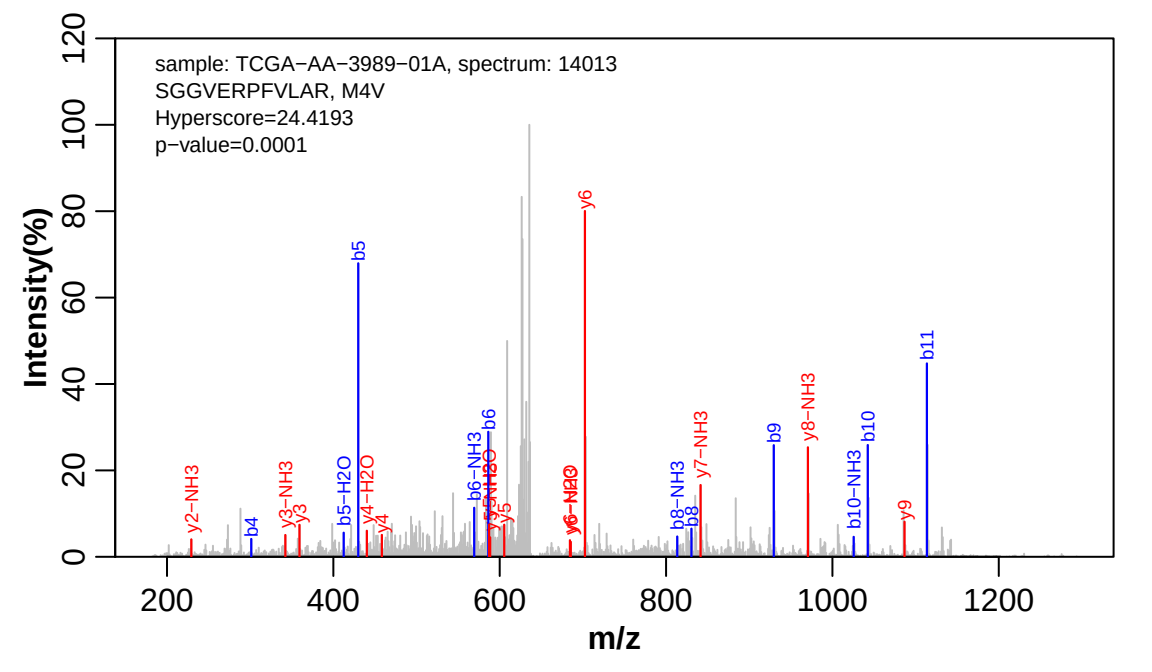

sample: TCGA−AA−3989−01A, spectrum: 72365
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=36.7234
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6++
b4
y10++
y20+++
b18++

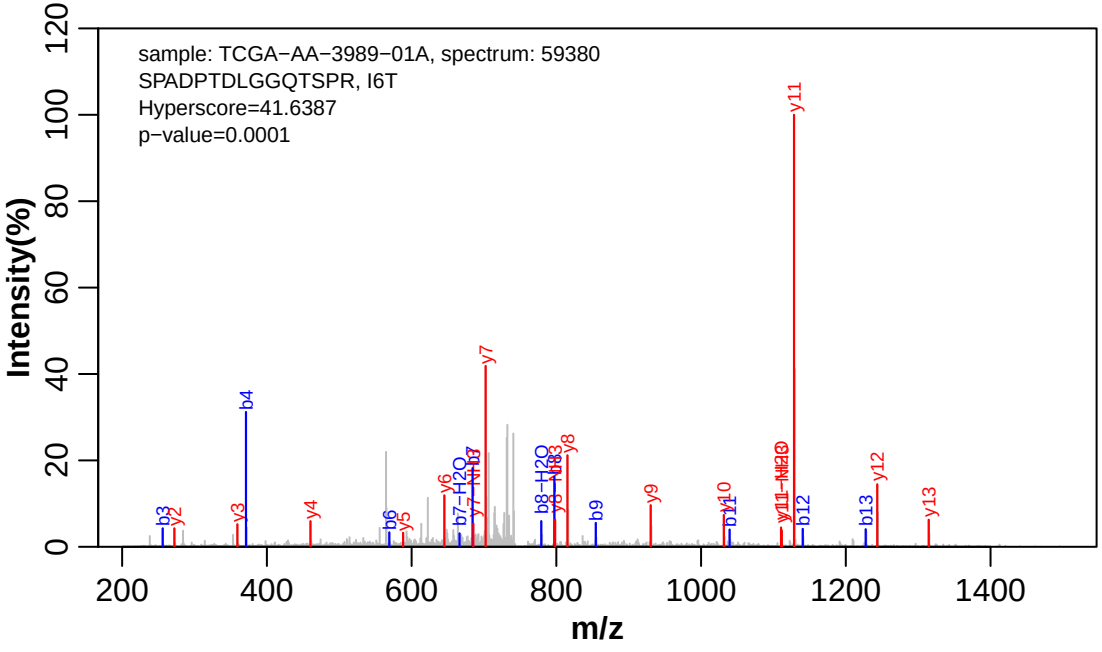

sample: TCGA−AA−3989−01A, spectrum: 14984
MQYAPNTQVELLPQGR, H16R
Hyperscore=37.4483
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y12
b12
b11
y13
y14
y7
y8
y6
b6
b4
b3
y4−H2O
y5−NH3
b7−H2O
b9−NH3
y10−H2O
b10−NH3
b10

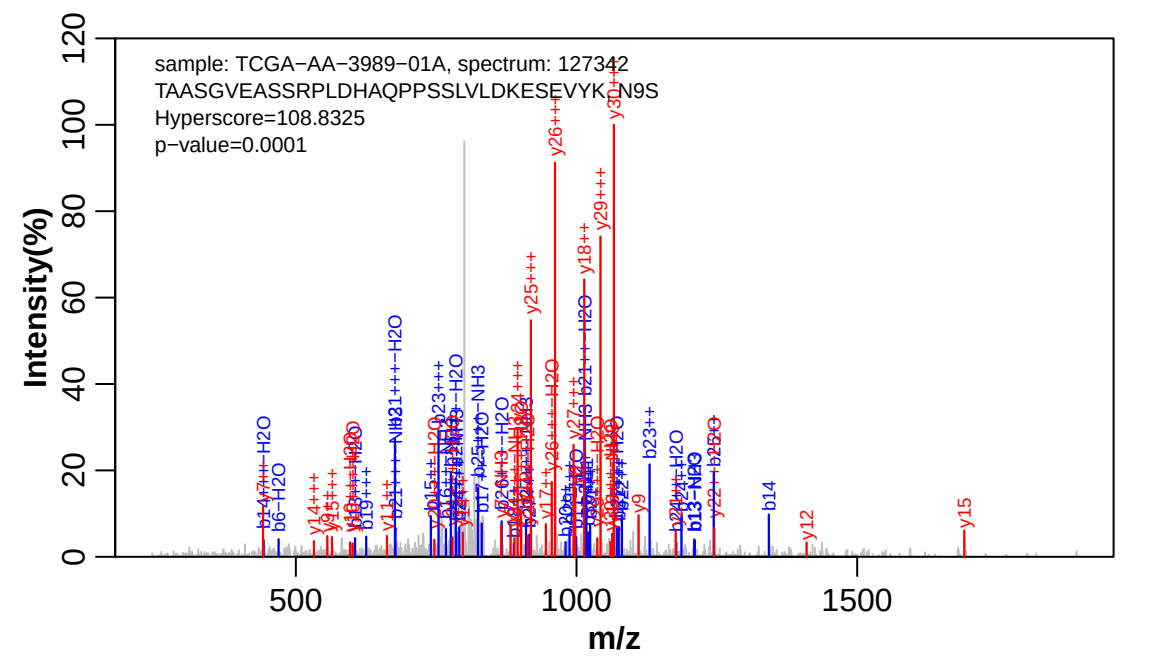

sample: TCGA−AA−3989−01A, spectrum: 138851
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=63.4461
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
y5
y6
y7
y8
y9
y10
y11
y12
b5−H2O
b6−H2O
b7−H2O
b10−H2O
b13
b15
b16
b17
y13−NH3
y15

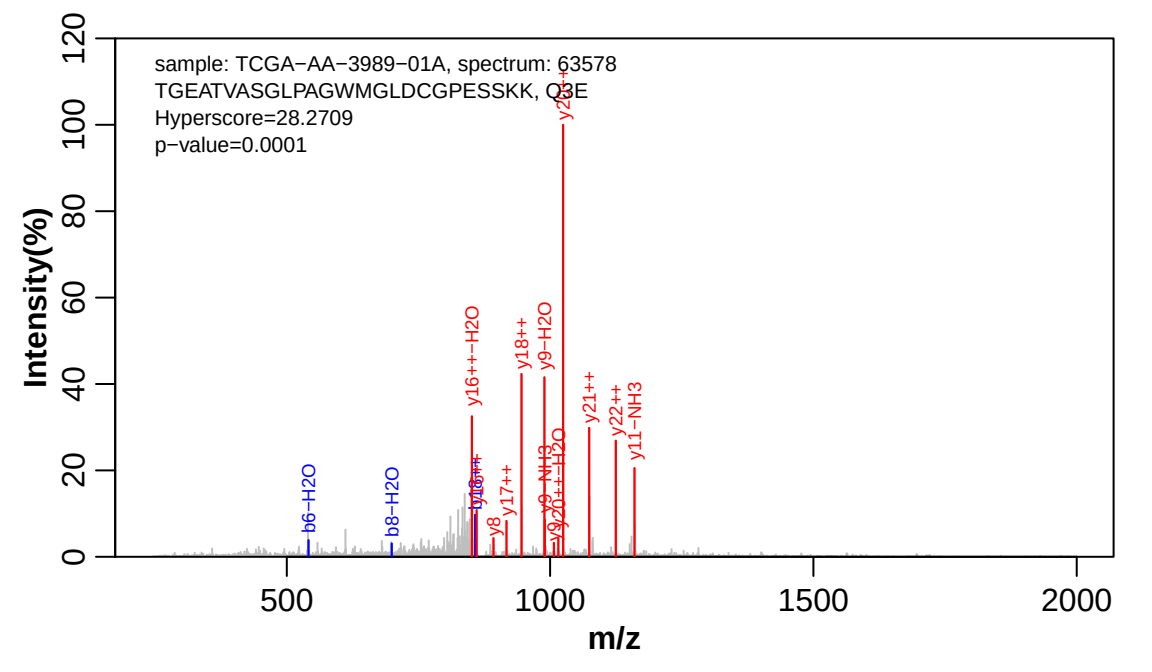

sample: TCGA−AA−3989−01A, spectrum: 55017
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=60.8539
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y5
y6
y7
y8
y10
y12
y13
y14
y15
y16
y17
b11
b14
b18

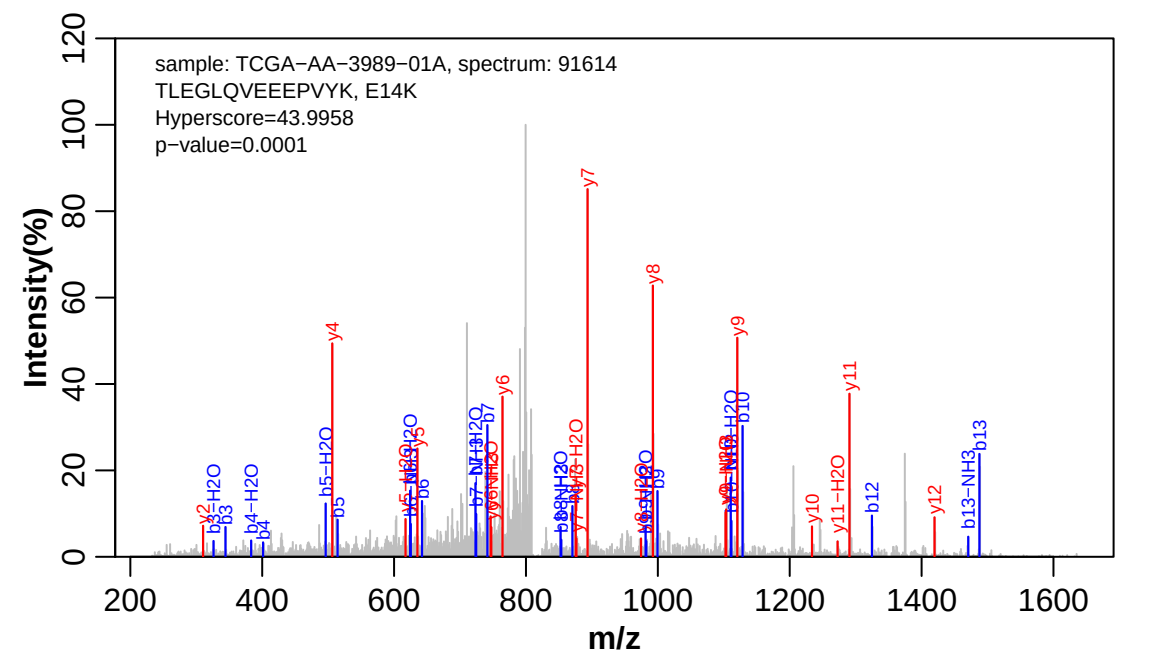

sample: TCGA−AA−3989−01A, spectrum: 139927
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=51.4298
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y17++
y15++
y19++
y18++
y14++
y20++
y16++
y21++
y8++
b5−H2O
b6
b6−H2O
b13++−H2O
b7−H2O
b7
b11−H2O
y9

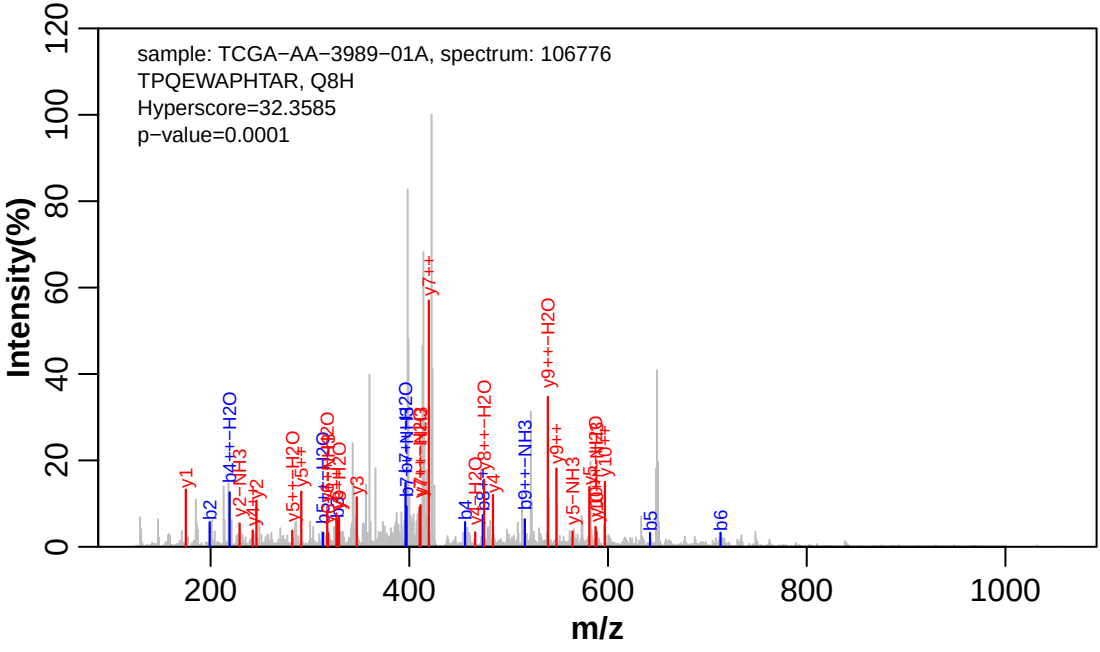

sample: TCGA−AA−3989−01A, spectrum: 14013
SGGVERPFVLAR, M4V
Hyperscore=24.4193
p−value=0.0001
Intensity(%)
m/z
y2−NH3
b4
y3−NH3
y3
b5−H2O
b5
y4−H2O
y4
b6−NH3
b6
y5
y6
b8−NH3
b8
y7−NH3
b9
y8−NH3
b10
b10−NH3
y9
b11

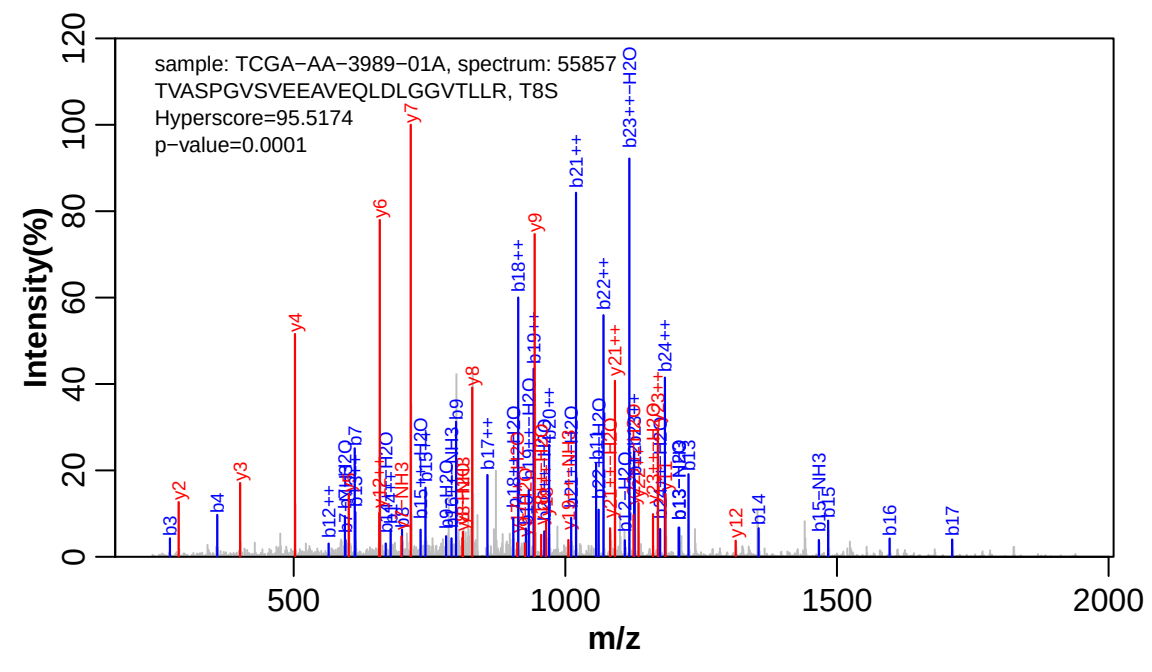

sample: TCGA−AA−3989−01A, spectrum: 59380
SPADPTDLGGQTSPR, I6T
Hyperscore=41.6387
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
b6
y5
y6
b7−H2O
y7−NH3
y7
b8−H2O
b8−NH3
y8
b9
y9
b10
y10
b11
y11−H2O
y11−NH3
y11
b12
b13
y12
y13

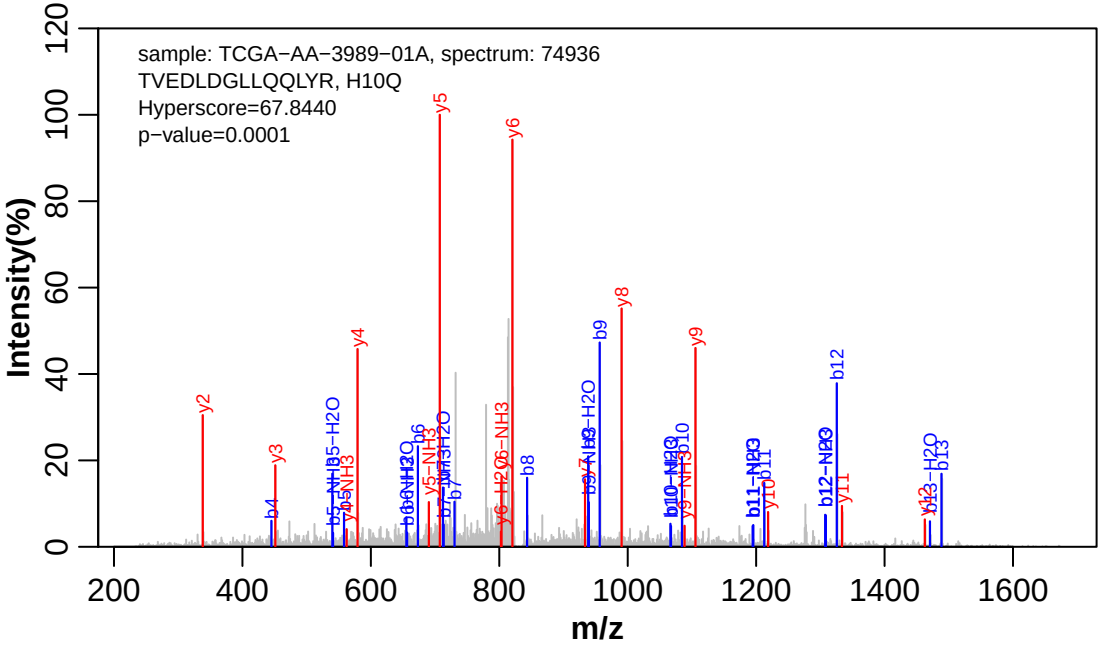

sample: TCGA−AA−3989−01A, spectrum: 127342
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK−N9S
Hyperscore=108.8325
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y26++
y31++
y29+++
y25+++
y18++
y27+++
b21+++−NH3−H2O
b21+++−NH3
b21+++−H2O
b21+++
b17−H2O−NH3
b17−H2O
b14
y12
y15
b23++
y9
b6−H2O
b14−17++−H2O

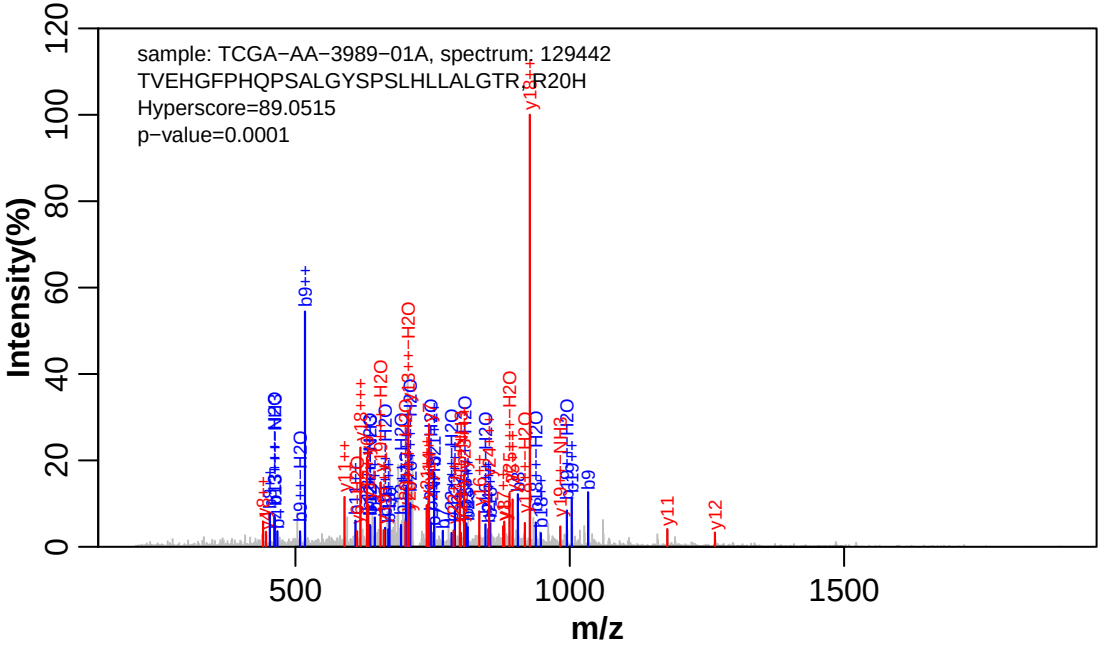

sample: TCGA−AA−3989−01A, spectrum: 63578
TGEATVASGLPAGWMGLDCGPESSKK, Q3E
Hyperscore=28.2709
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y23++
y16++−H2O
y18++
y9−H2O
y21++
y22++
y11−NH3
b6−H2O
b8−H2O
y18++
y8
y17++
y9−NH3
y20++−H2O

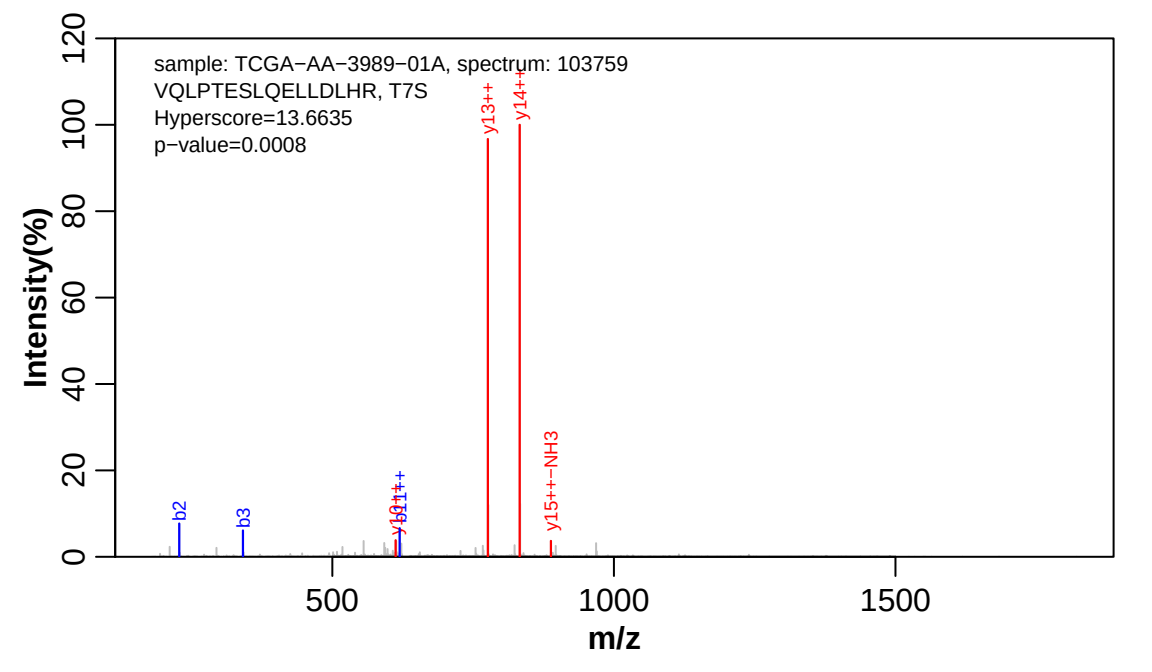

sample: TCGA−AA−3989−01A, spectrum: 91614
TLEGLQVEEEPVYK, E14K
Hyperscore=43.9958
p−value=0.0001
Intensity(%)
m/z
y7
y8
y4
y9
y6
y11
b10
b5−H2O
b13
b13−NH3
y11−H2O
b12
y12
y10
b6
b7
b3
b4
b4−H2O
y2

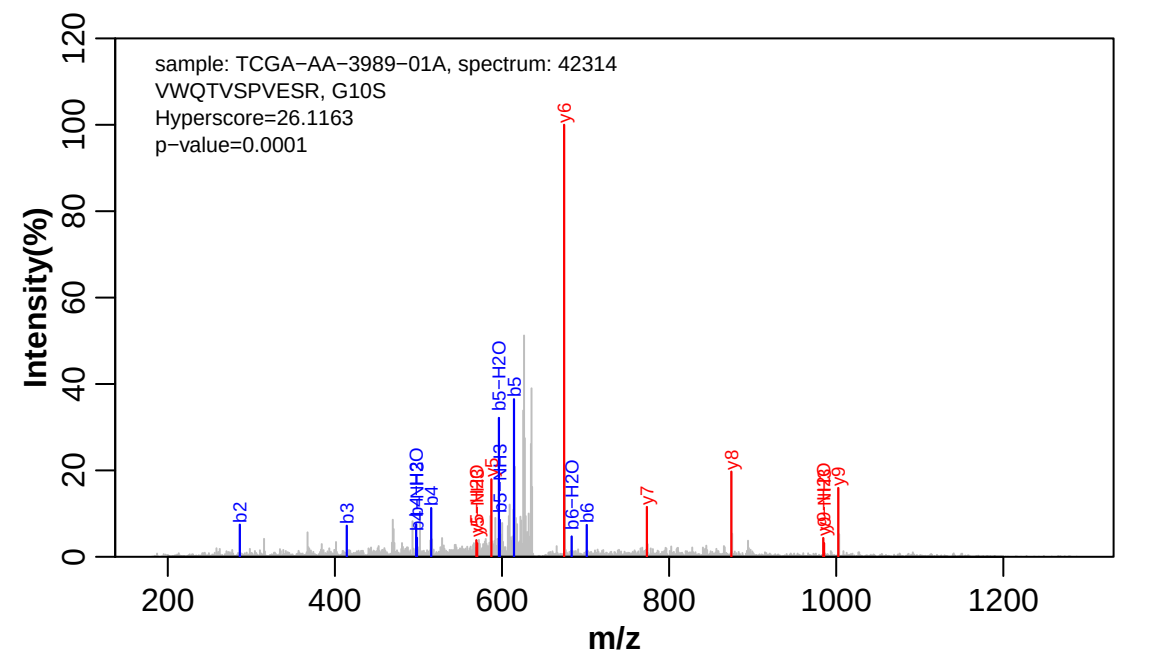

sample: TCGA−AA−3989−01A, spectrum: 106776
TPQEWAPHTAR, Q8H
Hyperscore=32.3585
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b4++−H2O
y2−NH3
y4++
y2
y5++−H2O
y3
b7++−H2O
y7++
y9++−H2O
y9++
y5−NH3
b9++−NH3
b4
y8++−H2O
b5
b6

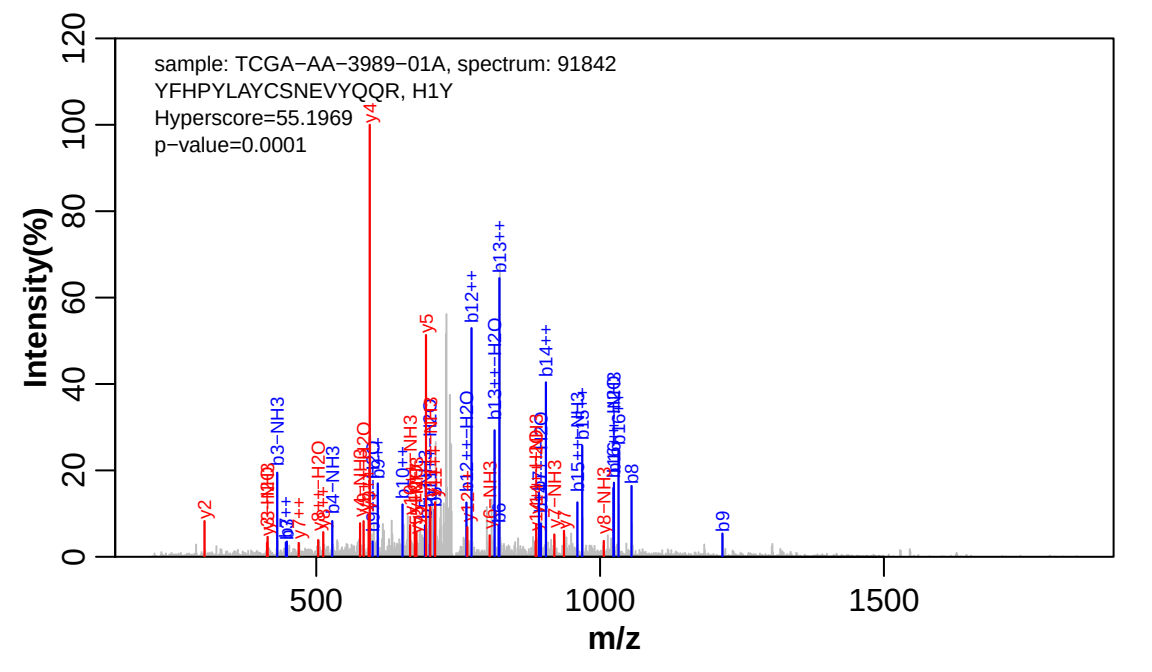

sample: TCGA−AA−3989−01A, spectrum: 55857
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=95.5174
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y2
b4
y3
y4
b12++
y6
y7
y8
b17++
b18++
y9
b19++
b21++
b22++
y21++
b23++−H2O
b24++
b13
b14
y12
b15−NH3
b16
b17

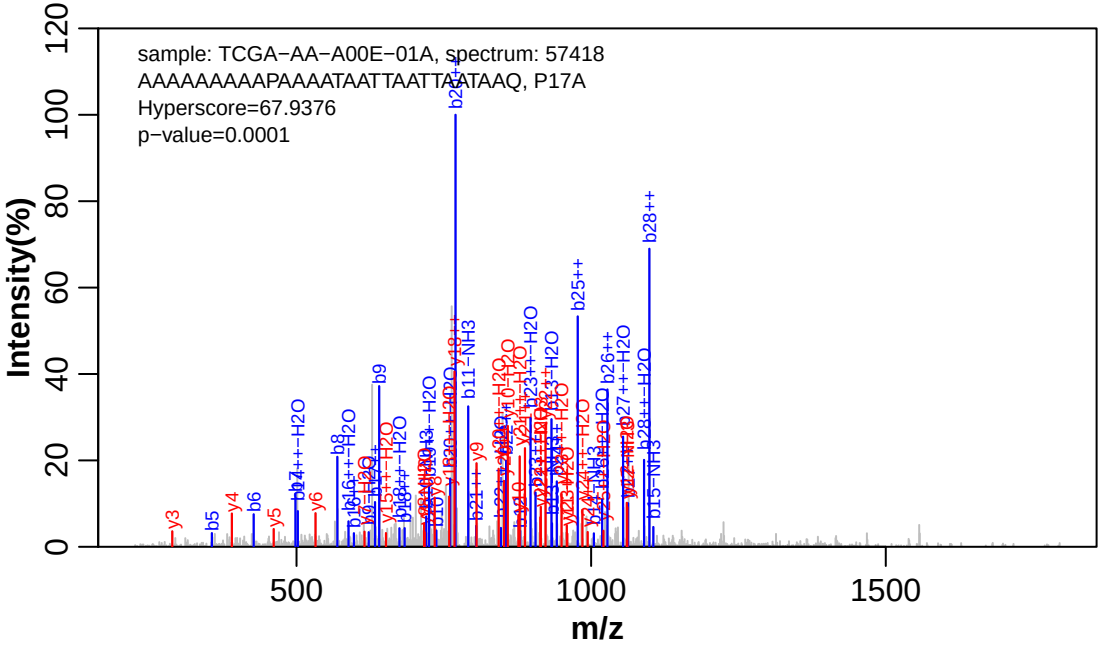

sample: TCGA−AA−3989−01A, spectrum: 74936
TVEDLDGLLQQLYR, H10Q
Hyperscore=67.8440
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4
y5
y6
y8
y9
b4
b8
b9
b12
y11
b13
b5−H2O
y5−NH3
y6−H2O
y6−NH3
b9−H2O
b10−NH3
b12−NH3
b13−H2O

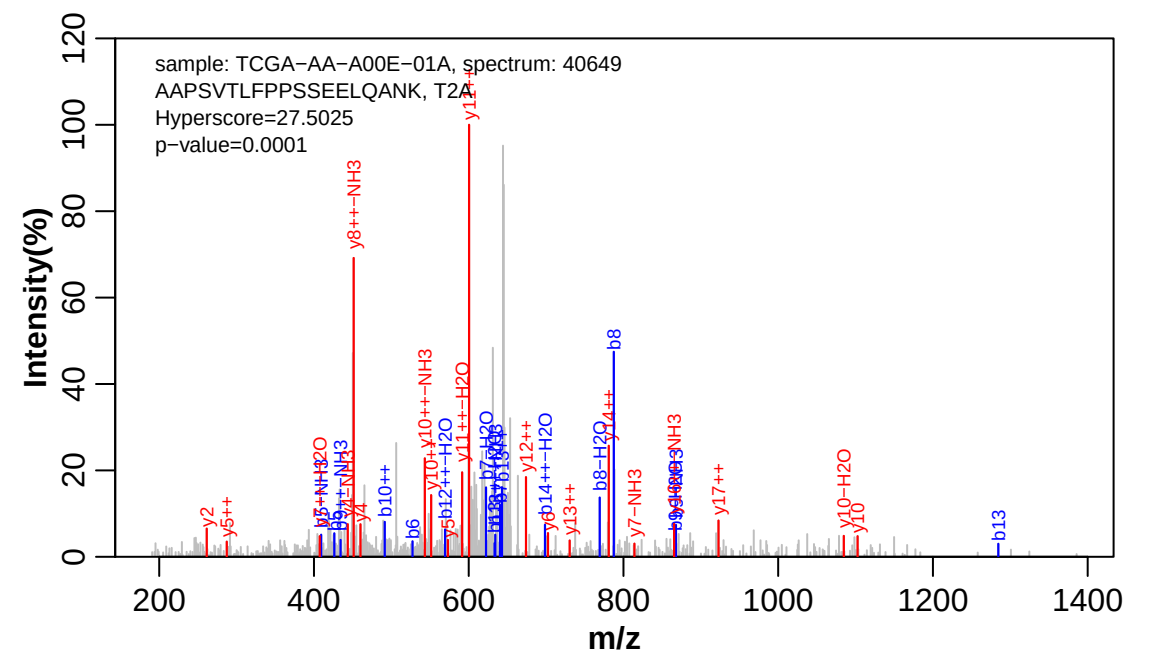

sample: TCGA−AA−3989−01A, spectrum: 129442
TVEHGFPHQPSALGYSPSLHLLALGTR_R20H
Hyperscore=89.0515
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12++
b9++
b9++−H2O
y11
y12
b9

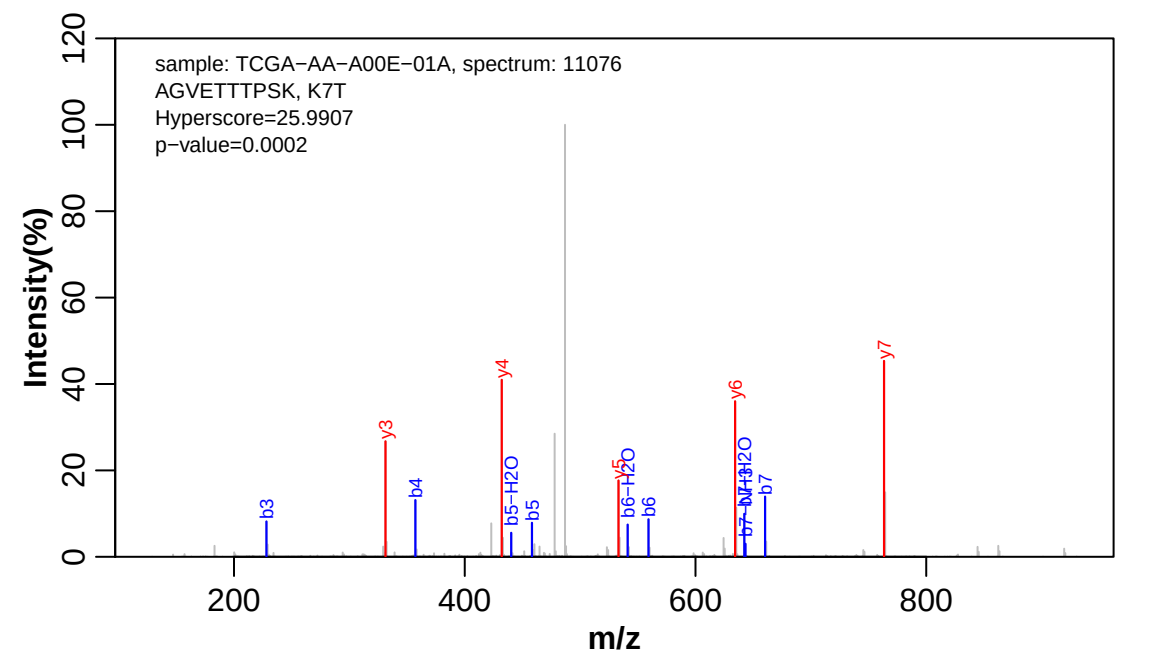

sample: TCGA−AA−3989−01A, spectrum: 103759
VQLPTESLQELLDLHR, T7S
Hyperscore=13.6635
p−value=0.0008
y13++
y14++
y15++−NH3
b2
b3
y10++
y11++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

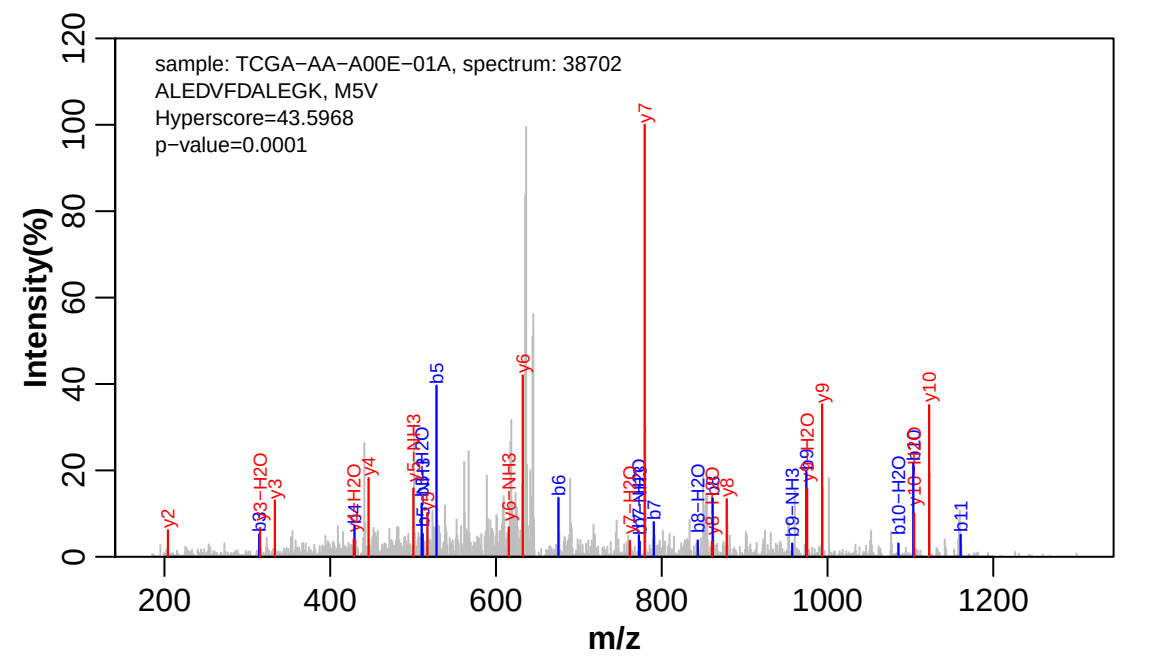

sample: TCGA−AA−3989−01A, spectrum: 42314
VWQTVSPVESR, G10S
Hyperscore=26.1163
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
b4
b4−H2O
b4−NH3
b5
b5−H2O
b5−NH3
b6
b6−H2O
y5−NH3
y6
y7
y8
y9
y9−H2O
y9−NH3

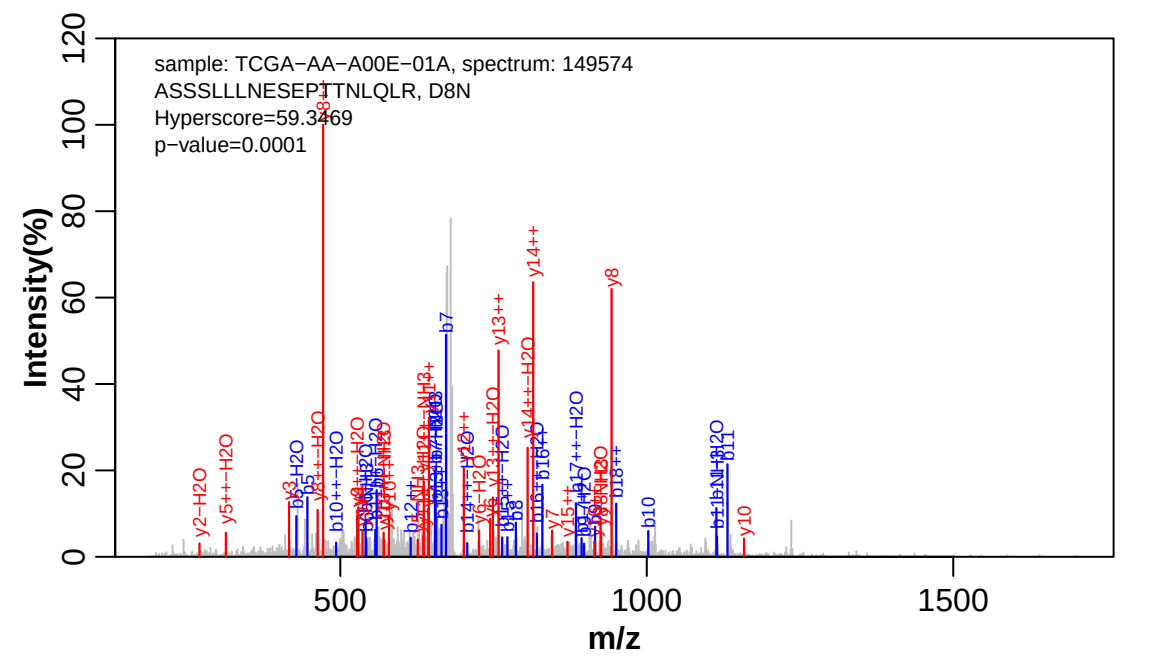

sample: TCGA−AA−3989−01A, spectrum: 91842
YFHPYLAYCSNEVYQQR, H1Y
Hyperscore=55.1969
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y2
b3−NH3
b4−NH3
b12++
b13++
b13++−H2O
b14++
b15++−NH3
b8
b9
y8−NH3
y7−NH3
y7
y7++
b7++
b4++
b10++
b10++−NH3

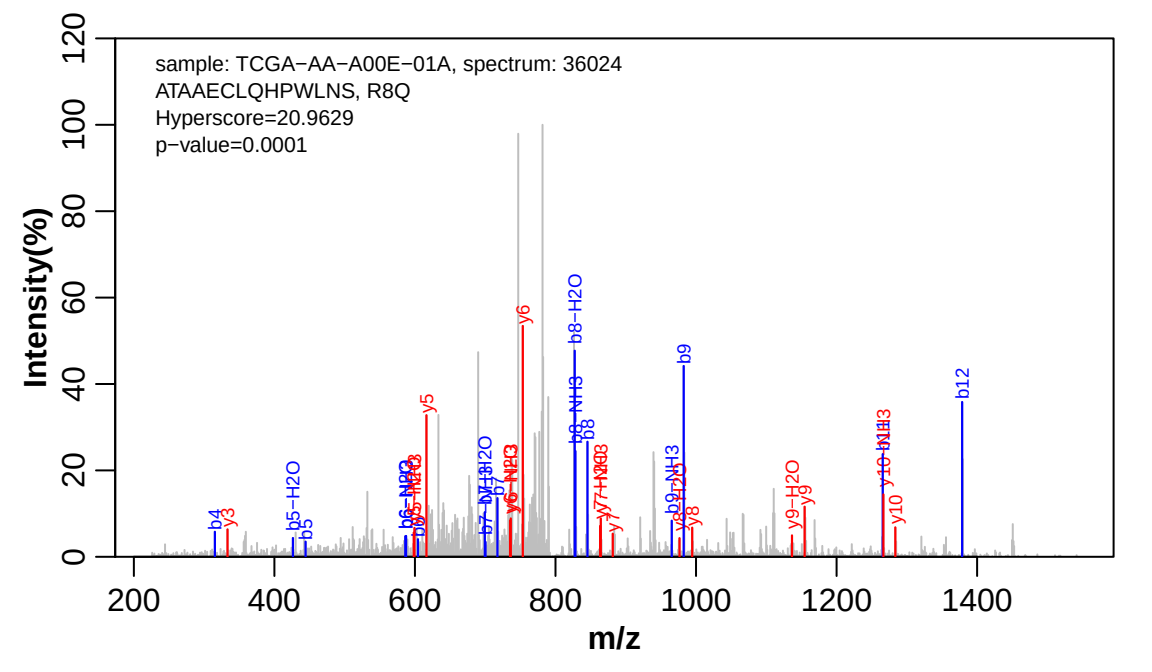

sample: TCGA−AA−A00E−01A, spectrum: 57418
AAAAAAAAAPAAAATAATTAATTATAAQ, P17A
Hyperscore=67.9376
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b25++
b11−NH3
b28++−H2O
b27++−H2O
b26++
b15−NH3
b9
y3
b5
y4
b6
y5
b7++−H2O
y6
b8
b16++−H2O
y15++−H2O
b21++−y9

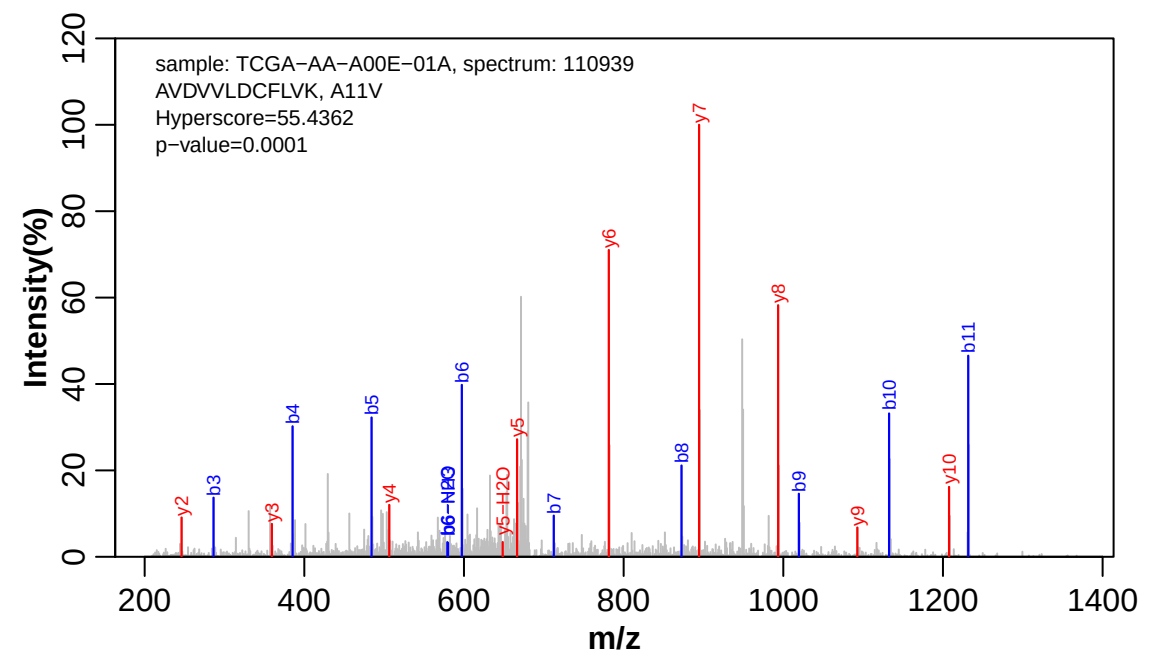

sample: TCGA−AA−A00E−01A, spectrum: 40649
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=27.5025
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y5++
b5++−NH3
b5++−H2O
b5++
b9++−NH3
b9++
y4
b10++
b6
y8++−NH3
y10++−NH3
y10++−H2O
y5
b12++−H2O
y11++−NH3
y11++
y11++−H2O
b7++−H2O
b7++
y12++
y6
b14++−H2O
y13++
b8
b8−H2O
y14++
y7−NH3
y14++−NH3
y17++
y10−H2O
y10
b13

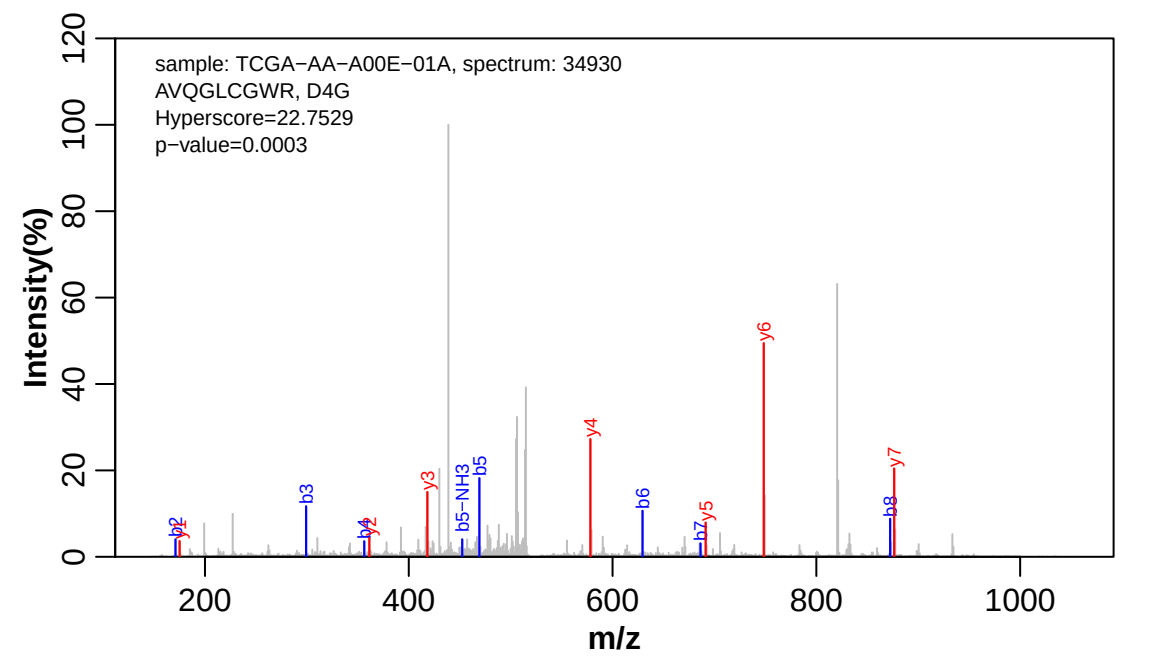

sample: TCGA−AA−A00E−01A, spectrum: 11076
AGVETTTPSK, K7T
Hyperscore=25.9907
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7

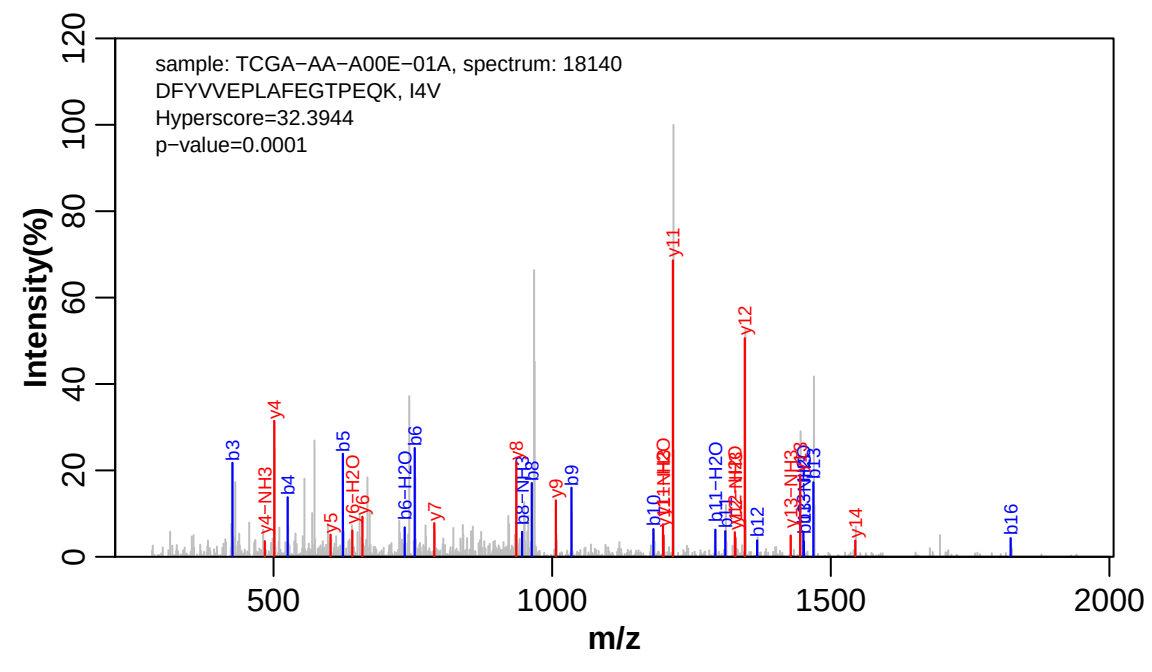

sample: TCGA−AA−A00E−01A, spectrum: 38702
ALEDVFDALEGK, M5V
Hyperscore=43.5968
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
y4−H2O
y4
b5−NH3
b5−H2O
b5
y6−NH3
y6
b6
y7−H2O
y7−NH3
b7
b8−H2O
y8−H2O
y8
b9−NH3
y9−H2O
y9
b10−H2O
y10−H2O
y10
b11

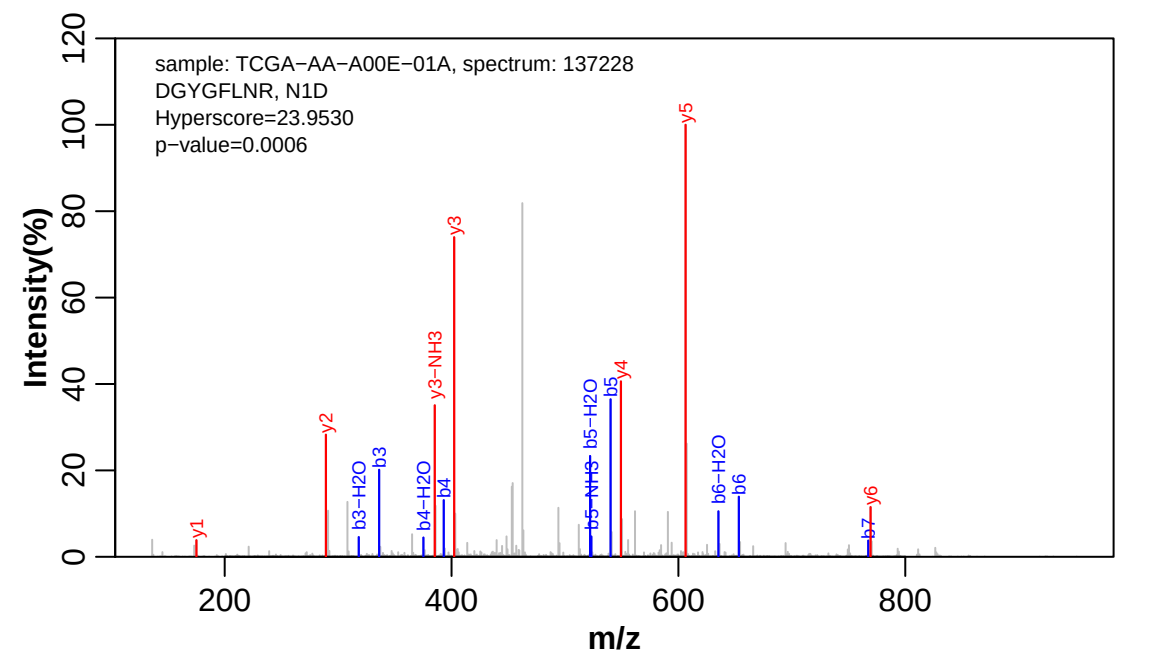

sample: TCGA−AA−A00E−01A, spectrum: 149574
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=59.3469
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
y8
y14++
y13++
b7
y2−H2O
y5++−H2O
b5−H2O
b3
y3++−H2O
b10++−H2O
y14++−H2O
y13++−H2O
y6−H2O
b14++−H2O
b16++
y7
y15++
b18++
b10
b11
y10

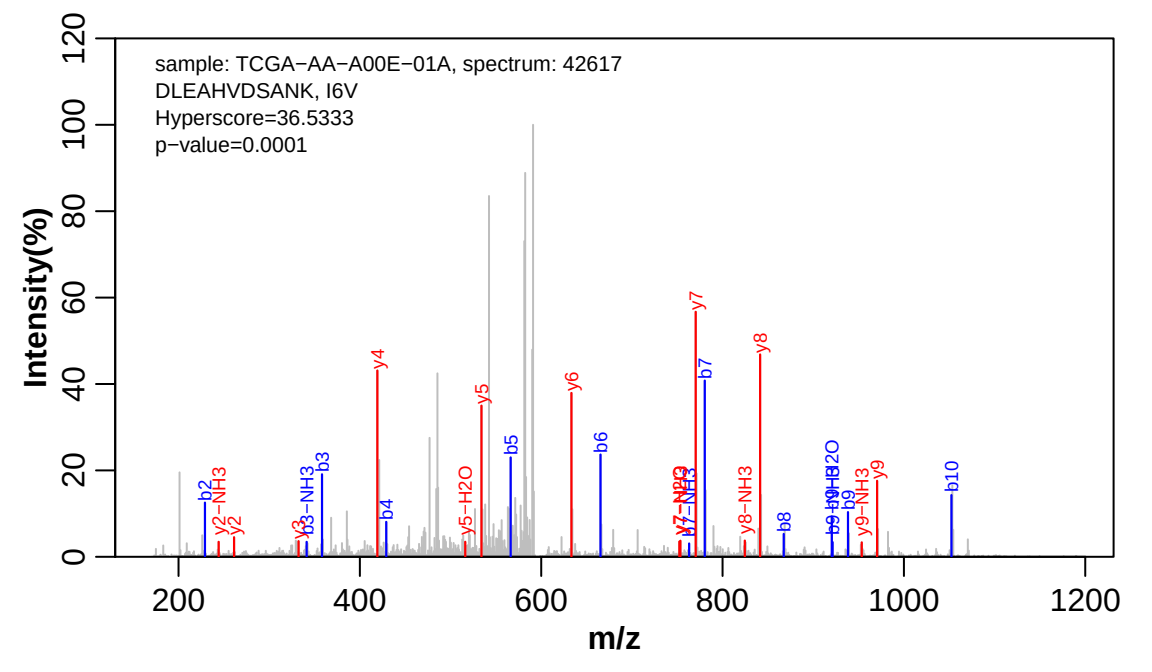

sample: TCGA−AA−A00E−01A, spectrum: 36024
ATAAECLQHPWLNS, R8Q
Hyperscore=20.9629
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4
y3
b5−H2O
b5
y5
b8−H2O
y6
b9
b12
y9−H2O
y9
y10

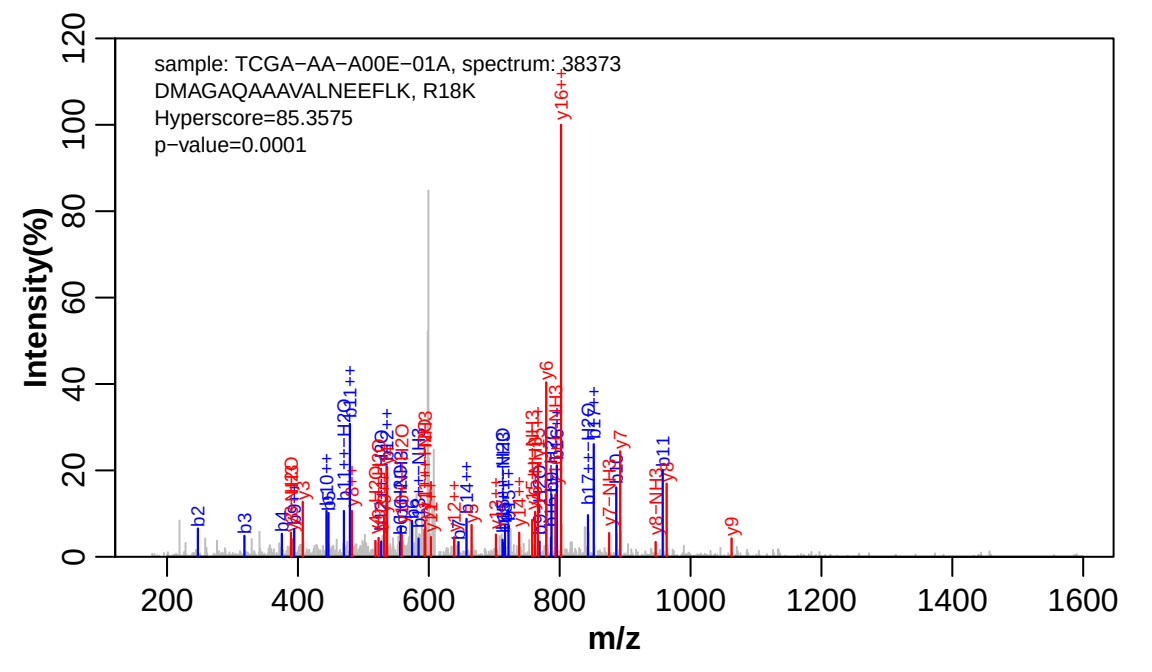

sample: TCGA−AA−A00E−01A, spectrum: 110939
AVDVVLDCFLVK, A11V
Hyperscore=55.4362
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
y4
b5
b6
b6−NH3
b6−H2O
y5
y5−H2O
b7
y6
b8
y7
y8
b9
y9
b10
y10
b11

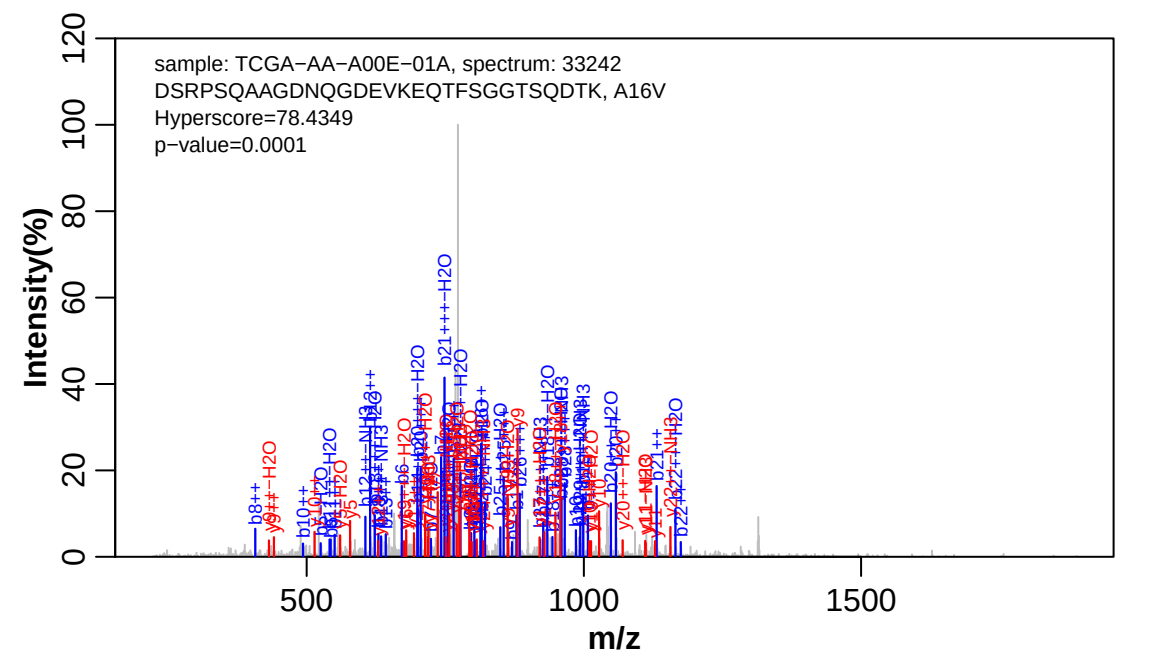

sample: TCGA−AA−A00E−01A, spectrum: 34930
AVQGLCGWR, D4G
Hyperscore=22.7529
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
y2
b4
y3
b5−NH3
b5
y4
b6
b7
y5
y6
b8
y7

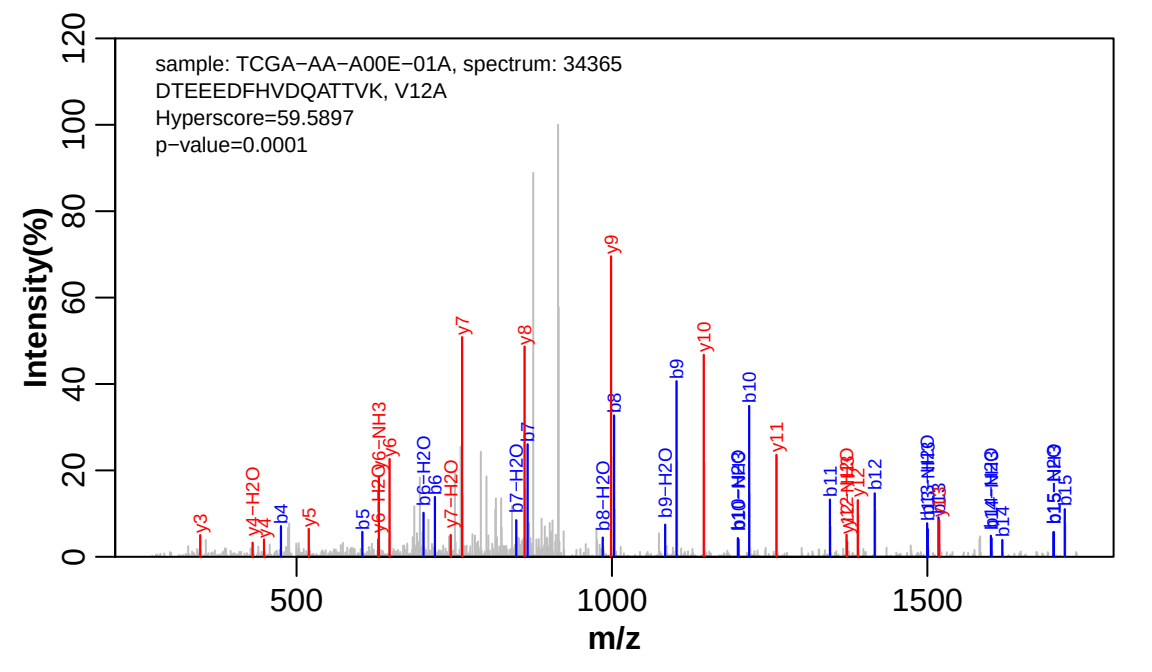

sample: TCGA−AA−A00E−01A, spectrum: 18140
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=32.3944
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
y4−NH3
b4
y5
y6−H2O
y6
b5
b6−H2O
b6
y7
b8−NH3
y8
b8
y9
b9
b10
y11−H2O
y11
b11−H2O
y12−H2O
y12−NH3
y12
b12
y13−NH3
b13
y14
b16

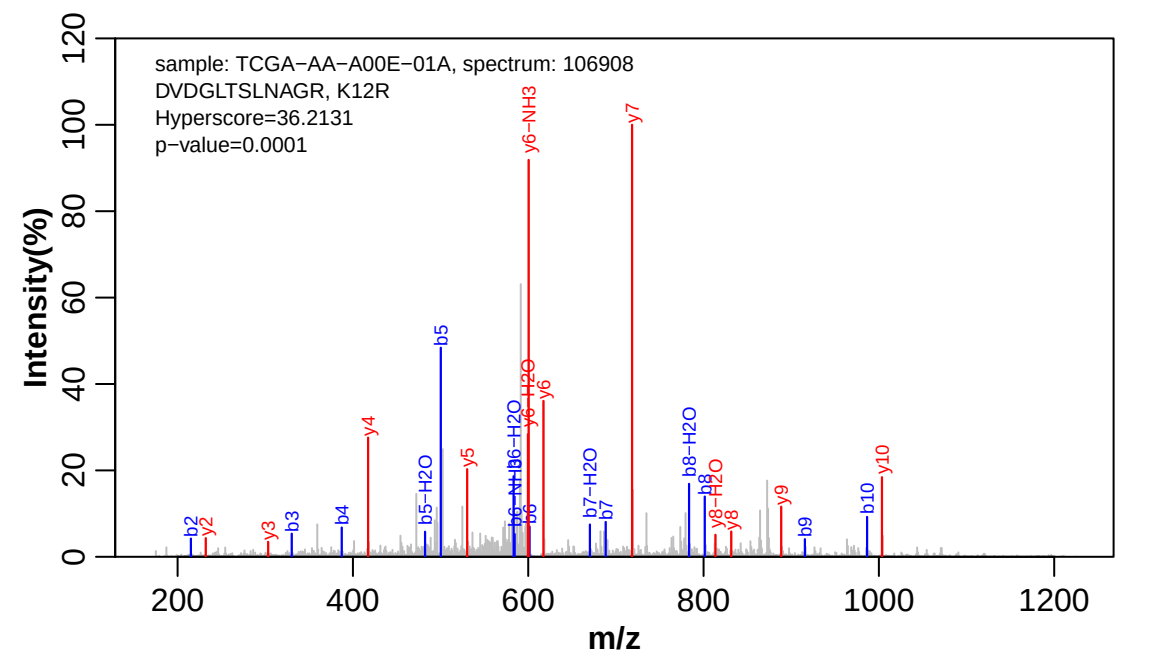

sample: TCGA−AA−A00E−01A, spectrum: 137228
DGYGFLNR, N1D
Hyperscore=23.9530
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

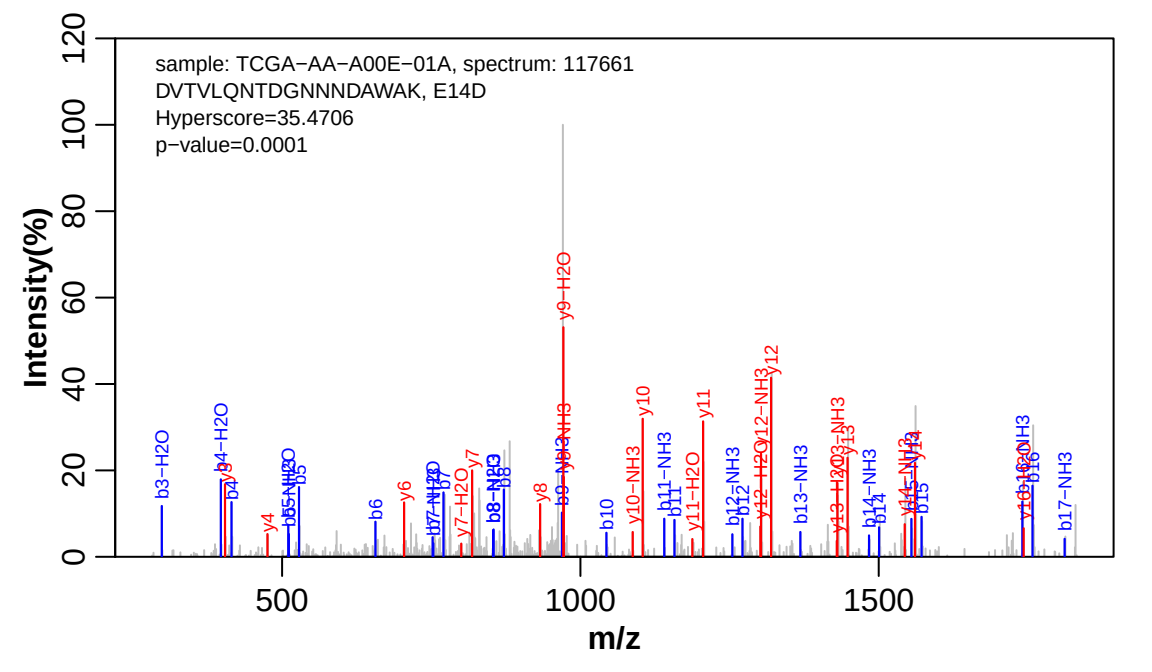

sample: TCGA−AA−A00E−01A, spectrum: 42617
DLEAHVDSANK, I6V
Hyperscore=36.5333
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−NH3
y2
y3−NH3
b3
y4
b4
y5−H2O
y5
b5
y6
b6
y7
b7
y8
y8−NH3
b8
b9
y9−NH3
y9
b10

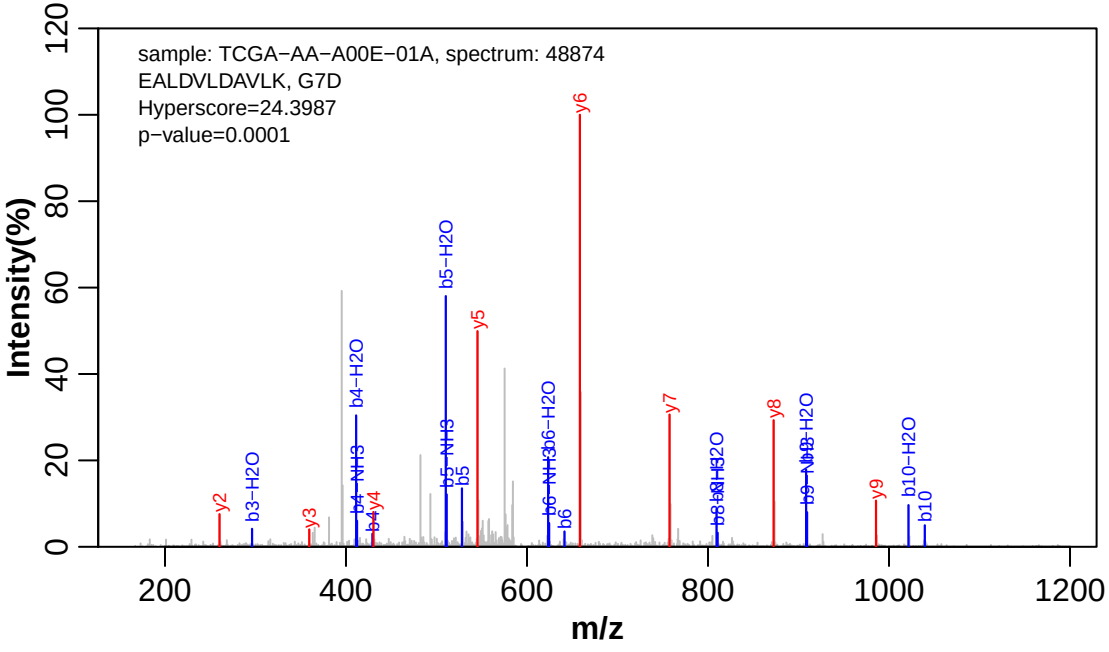

sample: TCGA−AA−A00E−01A, spectrum: 38373
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=85.3575
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y16++
b2
b3
y9
y7
y6
y14++
y12++
y11
y9

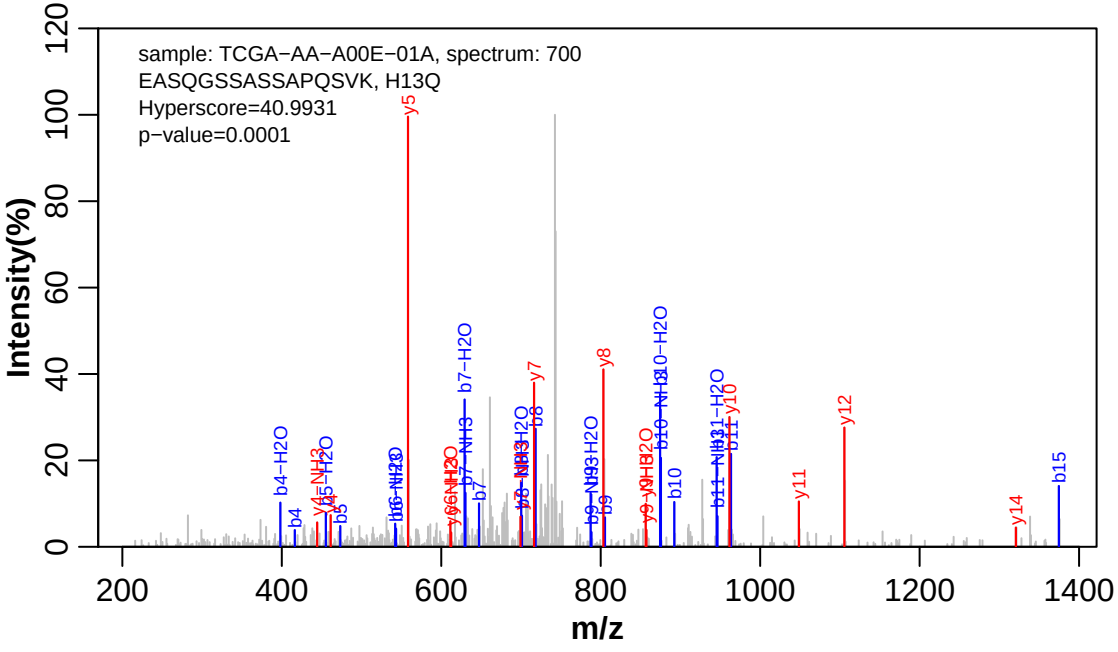

sample: TCGA−AA−A00E−01A, spectrum: 33242
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=78.4349
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

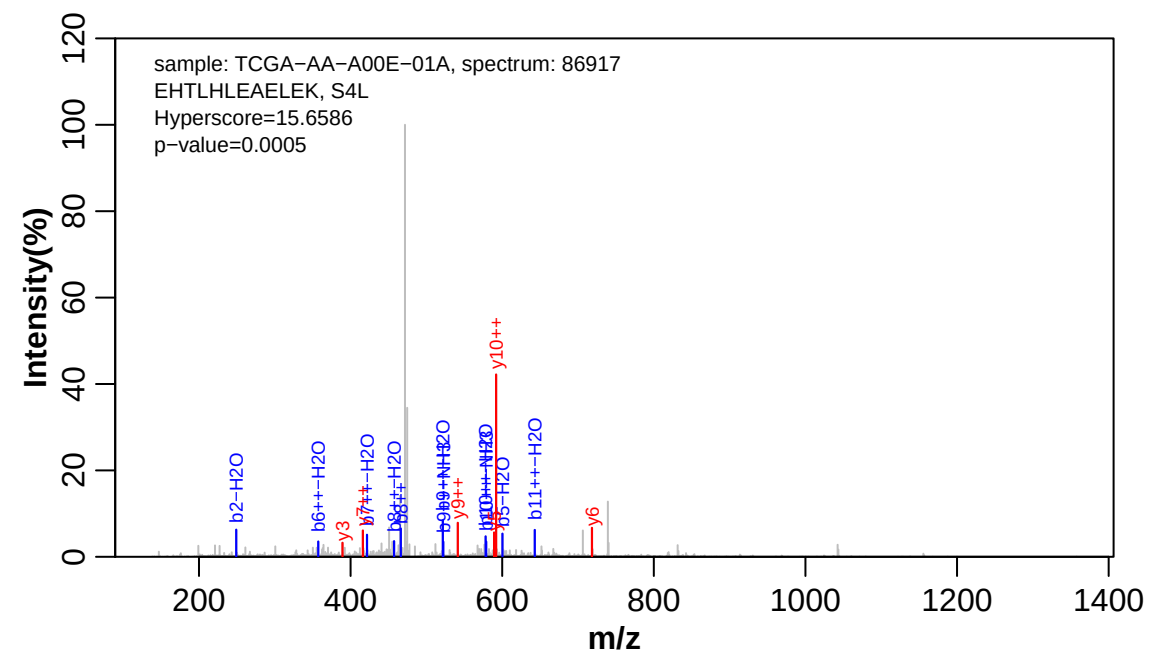

sample: TCGA−AA−A00E−01A, spectrum: 34365
DTEEEDFHVDQATTVK, V12A
Hyperscore=59.5897
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4−H2O
y4
b4
y5
b5
y6−H2O
y6−NH3
y6
b6−H2O
b6
y7−H2O
y7
b7−H2O
y8
b7
b8−H2O
b8
y9
b9−H2O
b9
y10
b10
b10−NH3
y11
b11
y12−NH3
y12
b12
b13−NH3
y13
b13
b14−NH3
b14
b15−NH3
b15

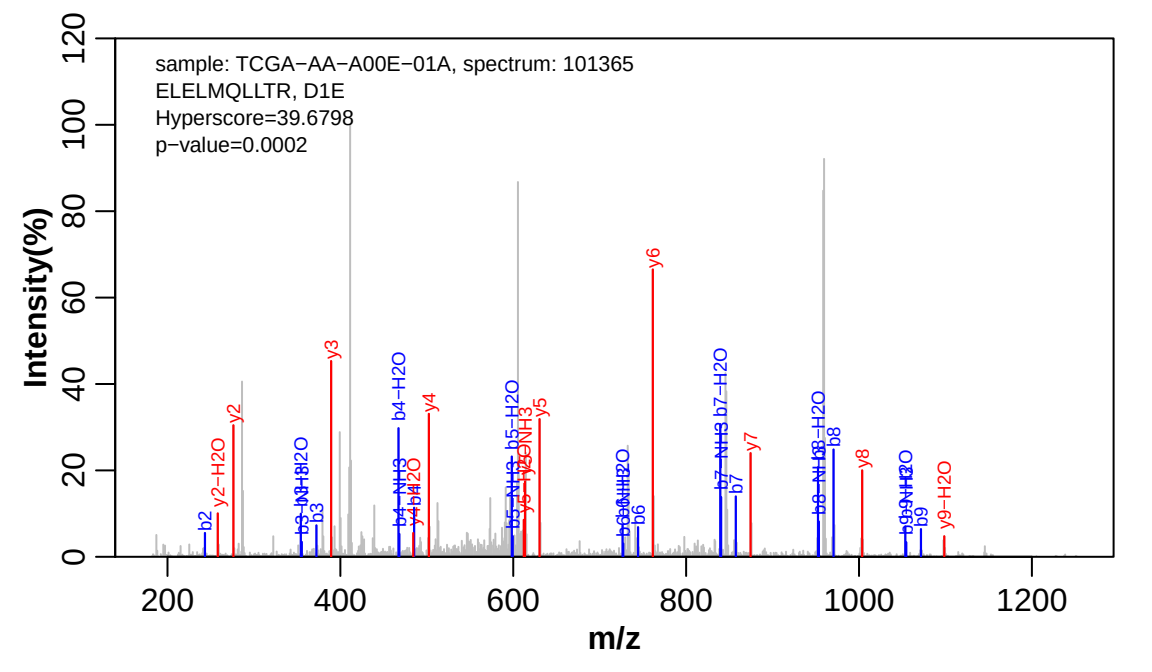

sample: TCGA−AA−A00E−01A, spectrum: 106908
DVDGLTSLNAGR, K12R
Hyperscore=36.2131
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b3
b4
b5−H2O
b5
y4
y5
b6−NH3
b6−H2O
y6−NH3
y6−H2O
y6
b6
b7−H2O
b7
b8−H2O
b8
y8−H2O
y8
y7
y9
b9
b10
y10

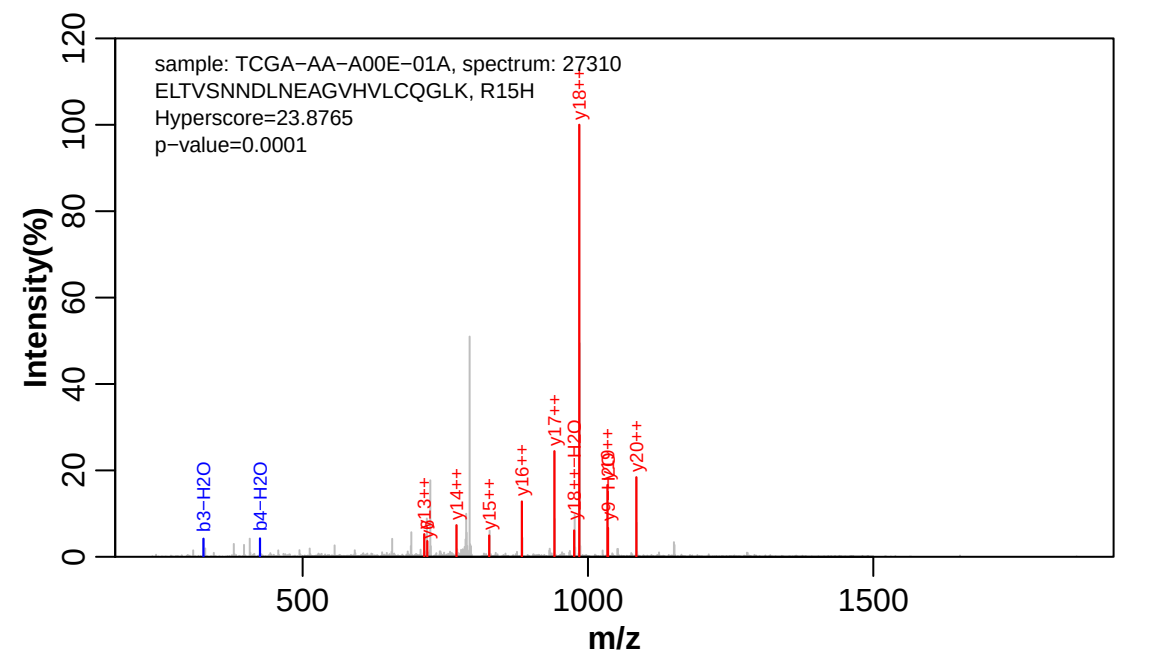

sample: TCGA−AA−A00E−01A, spectrum: 117661
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=35.4706
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b4−H2O
y4
b6
y6
y7−H2O
y8
y9−H2O
b10
y10−NH3
y10
b11−NH3
y11−H2O
y11
b12−NH3
y12−H2O−NH3
y12
b13−NH3
y13−H2O−NH3
b14−NH3
b17−NH3

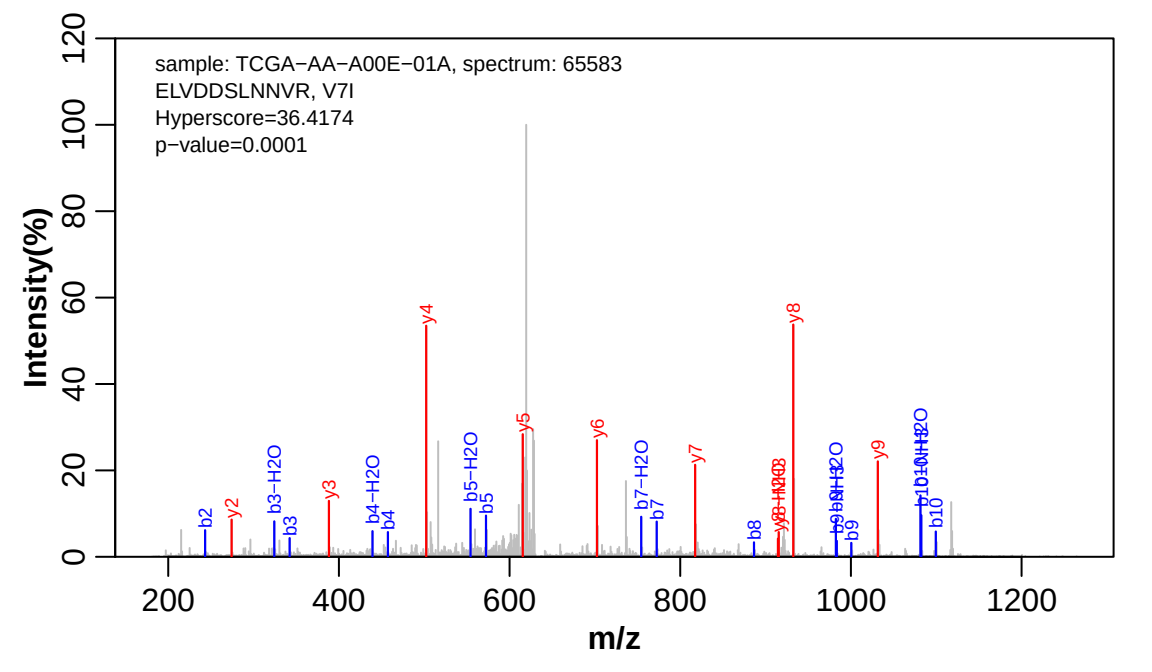

sample: TCGA−AA−A00E−01A, spectrum: 48874
EALDVLDAVLK, G7D
Hyperscore=24.3987
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
b4−NH3
b4
y4
b5−H2O
b5−NH3
b5
y5
y6
b6−H2O
b6−NH3
b6
y7
b8−H2O
b8−NH3
y8
b9−H2O
b9−NH3
y9
b10−H2O
b10

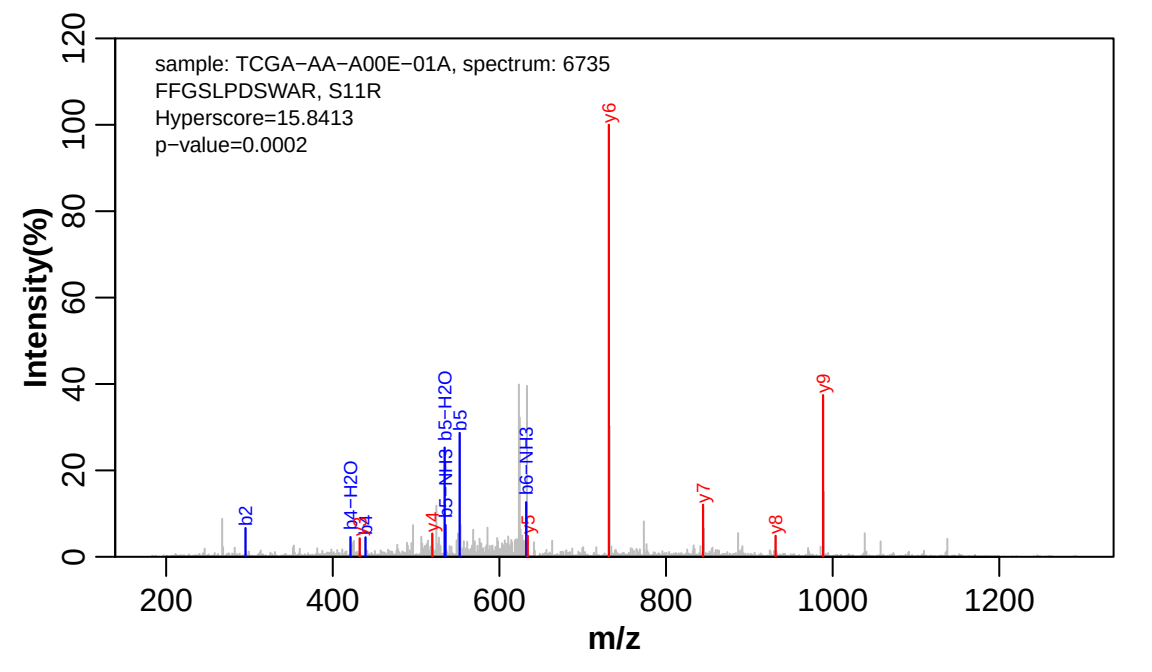

sample: TCGA−AA−A00E−01A, spectrum: 700
EASQGSSASSAPQSVK, H13Q
Hyperscore=40.9931
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
b4−H2O
b4
y4−NH3
y4
b5−H2O
b5
b6−NH3
b6
b6−H2O
y6−NH3
y6−H2O
b7−NH3
b7−H2O
b7
y7
y8
b8
b9−NH3
b9−H2O
b9
y9−NH3
y9−H2O
y9
b10−NH3
b10−H2O
b10
b11−NH3
b11−H2O
b11
y10
y11
y12
y14
b15

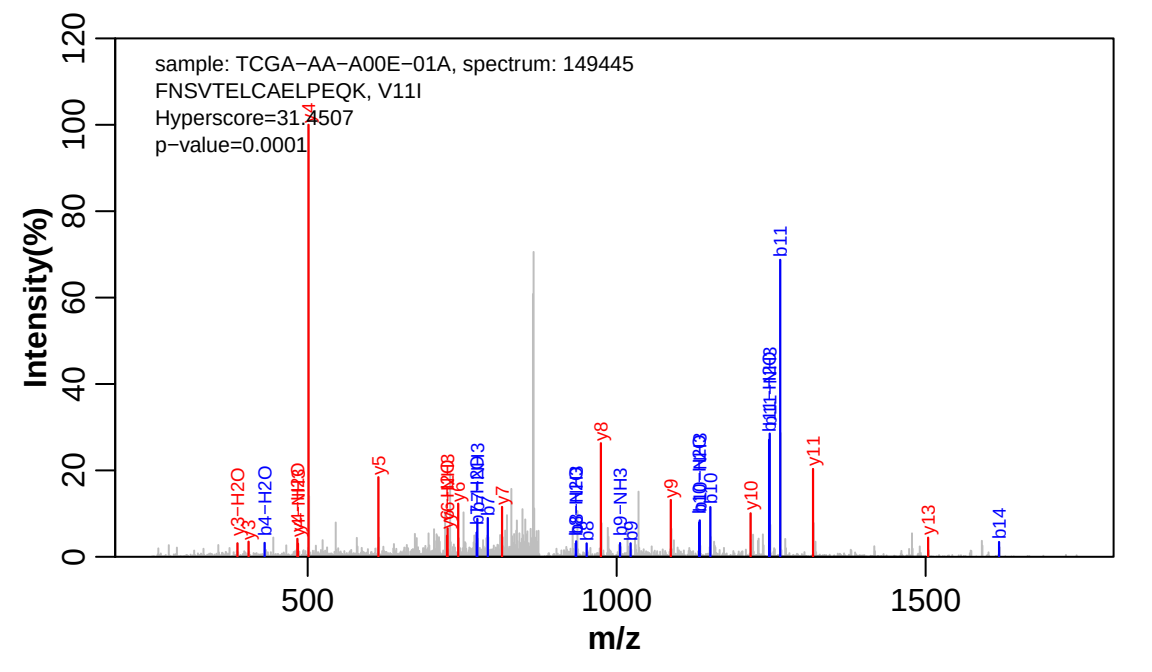

sample: TCGA−AA−A00E−01A, spectrum: 86917
EHTLHLEAELEK, S4L
Hyperscore=15.6586
p−value=0.0005
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b6++−H2O
y3
y7++
b7++−H2O
b8++−H2O
y9++
y10++
b5−H2O
b11++−H2O
y6

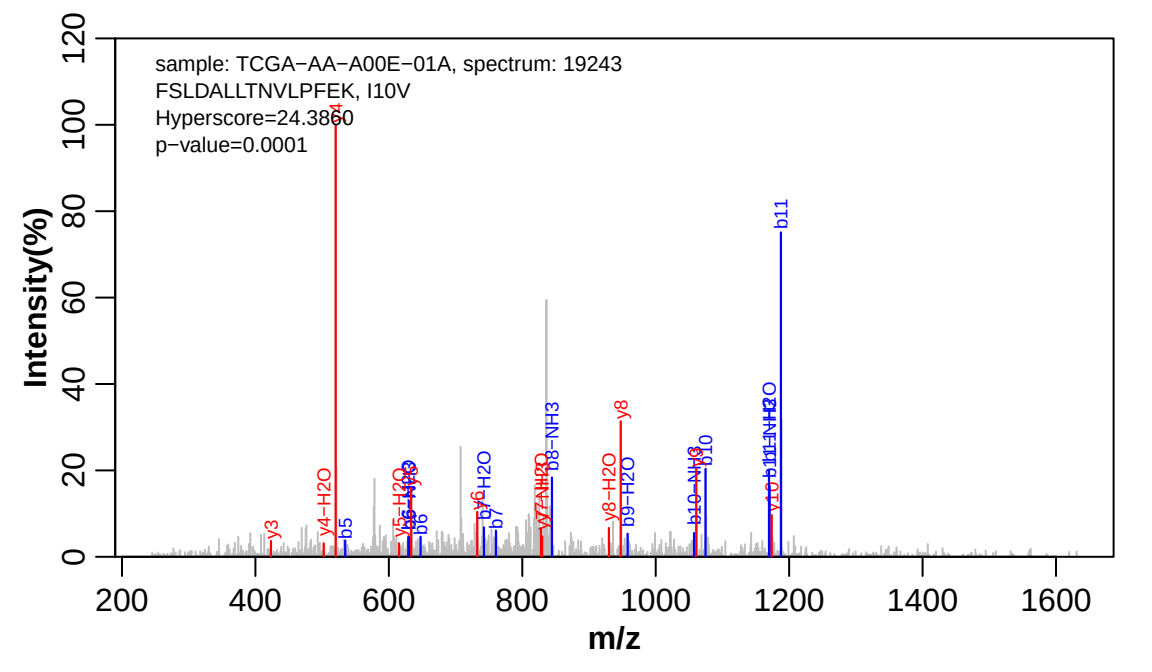

sample: TCGA−AA−A00E−01A, spectrum: 101365
ELELMQLLTR, D1E
Hyperscore=39.6798
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−H2O
y2
b3−NH3
b3−H2O
b3
y3
b4−NH3
b4−H2O
y4
b5−NH3
b5−H2O
y5−NH3
y5
y6
b6
b7−NH3
b7−H2O
b7
y7
b8−NH3
b8−H2O
b8
y8
b9−NH3
b9−H2O
b9
y9−H2O

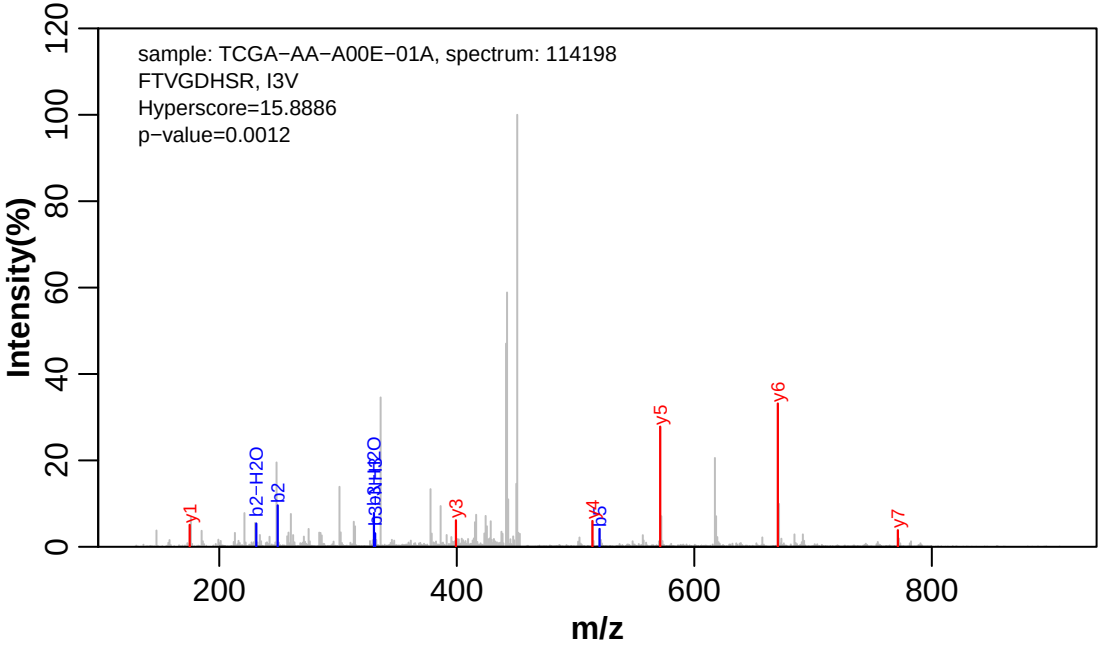

sample: TCGA−AA−A00E−01A, spectrum: 27310
ELTVSNNDLNEAGVHVLCQGLK, R15H
Hyperscore=23.8765
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b4−H2O
y13++
y14++
y15++
y16++
y17++
y18++−H2O
y18++
y9++−H2O
y20++

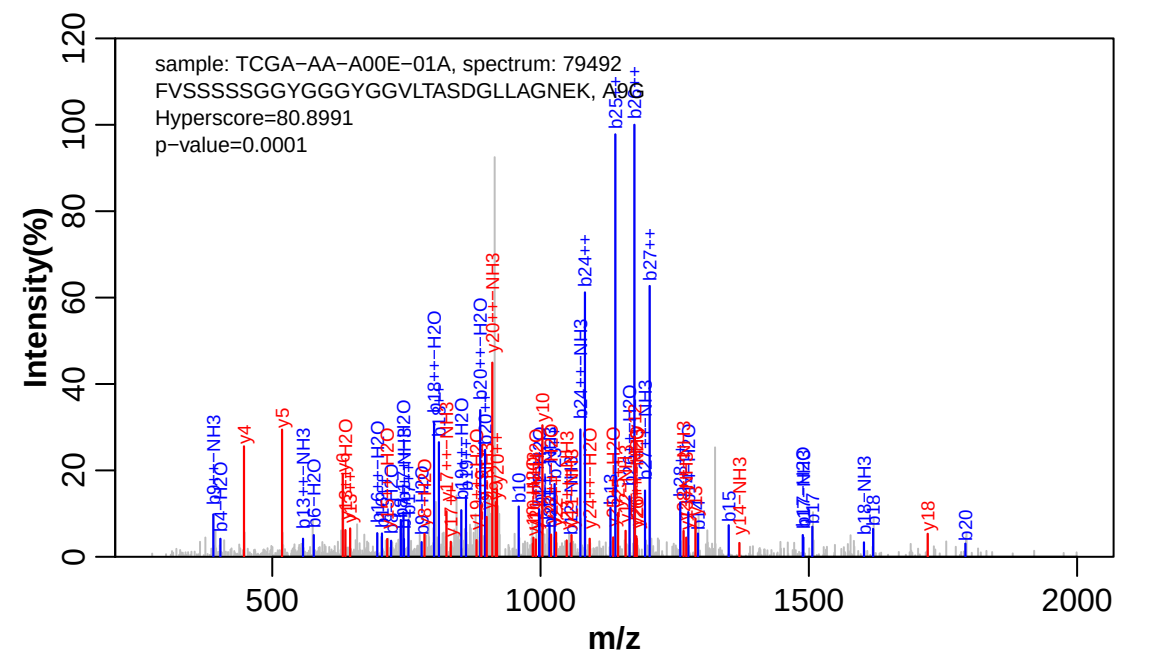

sample: TCGA−AA−A00E−01A, spectrum: 65583
ELVDDSLNNVR, V7I
Hyperscore=36.4174
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7
b8
y8
y9
b10
b10−H2O

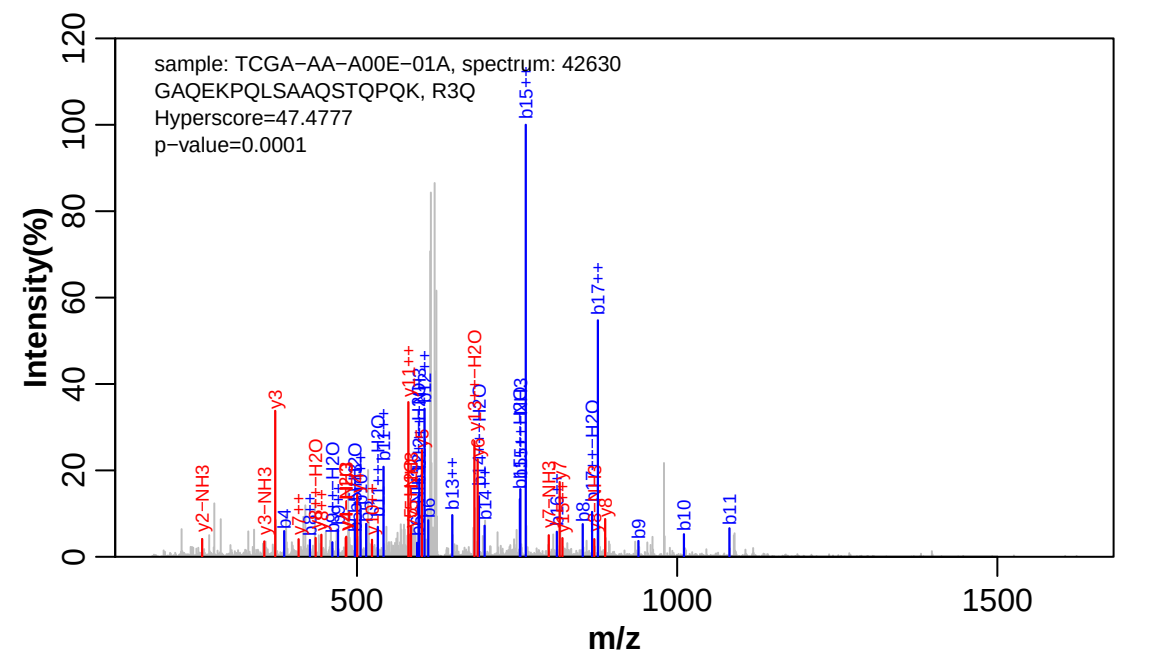

sample: TCGA−AA−A00E−01A, spectrum: 6735
FFGSLPDSWAR, S11R
Hyperscore=15.8413
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y5
y6
y7
y8
y9

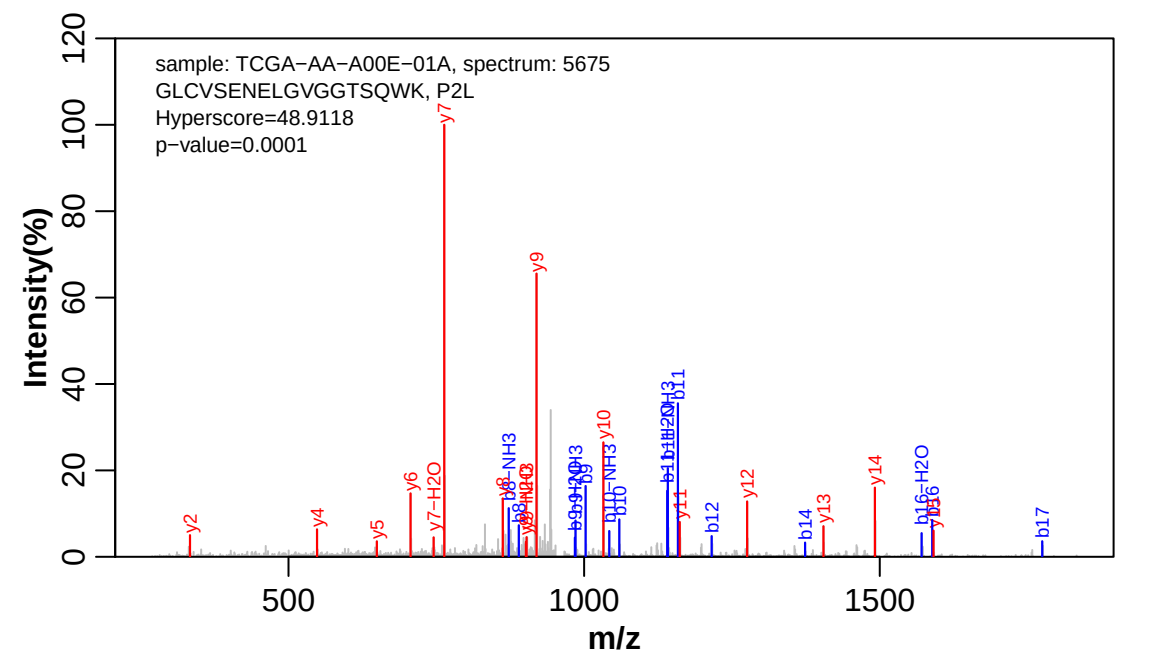

sample: TCGA−AA−A00E−01A, spectrum: 149445
FNSVTELCAELPEQK, V11I
Hyperscore=31.4507
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y8
y9
y10
y11
y13
b11
b14
y3−H2O
y3
b4−H2O
b9−NH3

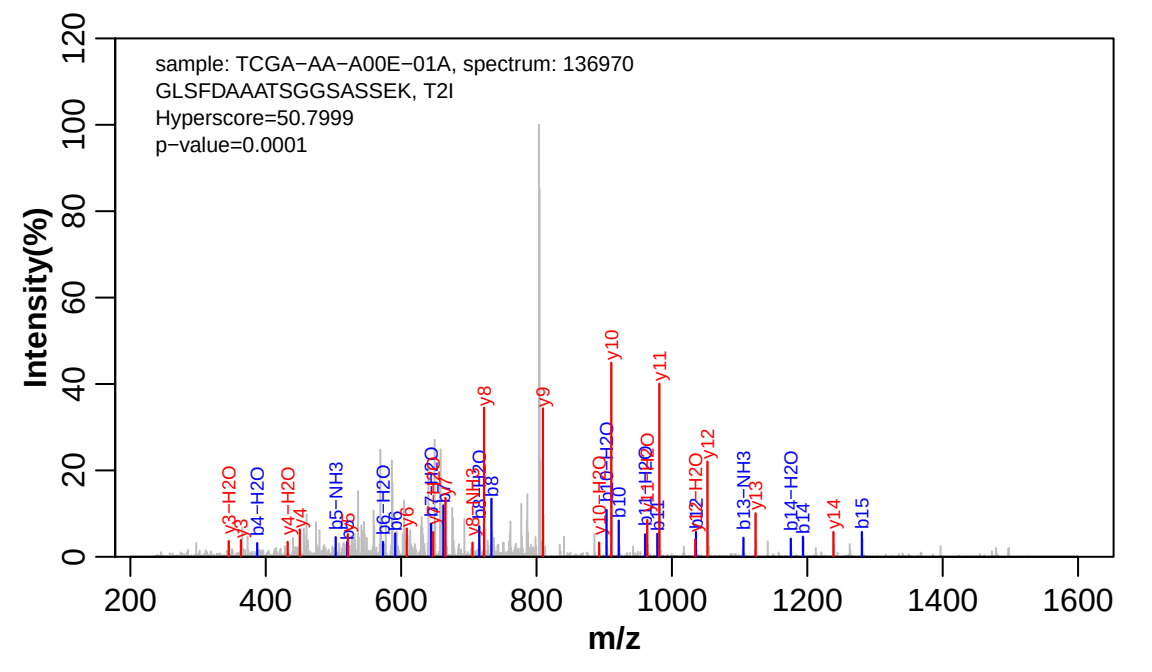

sample: TCGA−AA−A00E−01A, spectrum: 19243
FSLDALLTNVLPFEK, I10V
Hyperscore=24.3860
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4
y4−H2O
y3
b5
y5−H2O
b6
y6
b7
y7−NH3
y7−H2O
b8−NH3
y8
y8−H2O
b9−H2O
b10−NH3
b10
b11
b11−NH3
b11−H2O
y10
y10−NH3

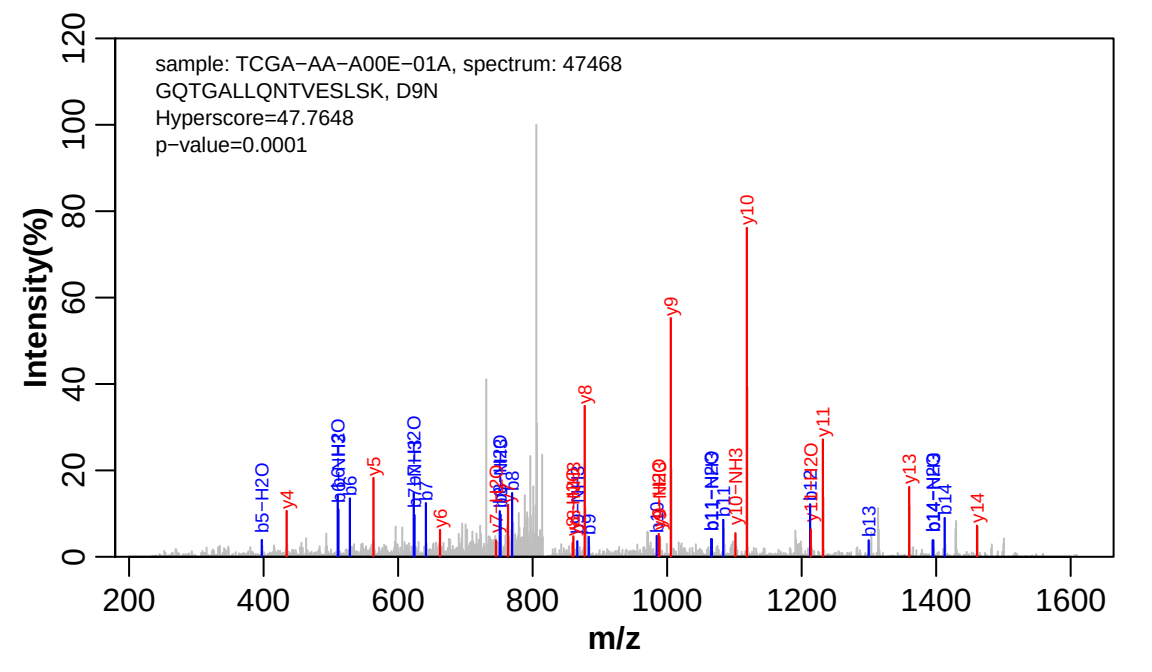

sample: TCGA−AA−A00E−01A, spectrum: 114198
FTVGDHSR, I3V
Hyperscore=15.8886
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
y3
y4
b5
y5
y6
y7

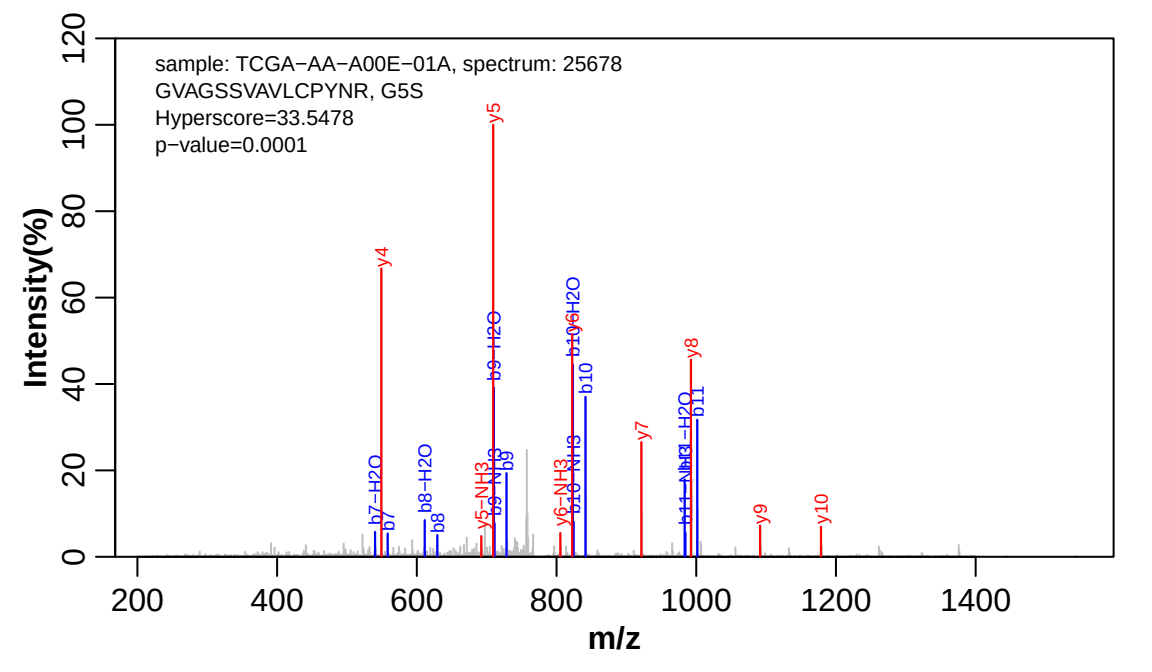

sample: TCGA−AA−A00E−01A, spectrum: 79492
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=80.8991
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

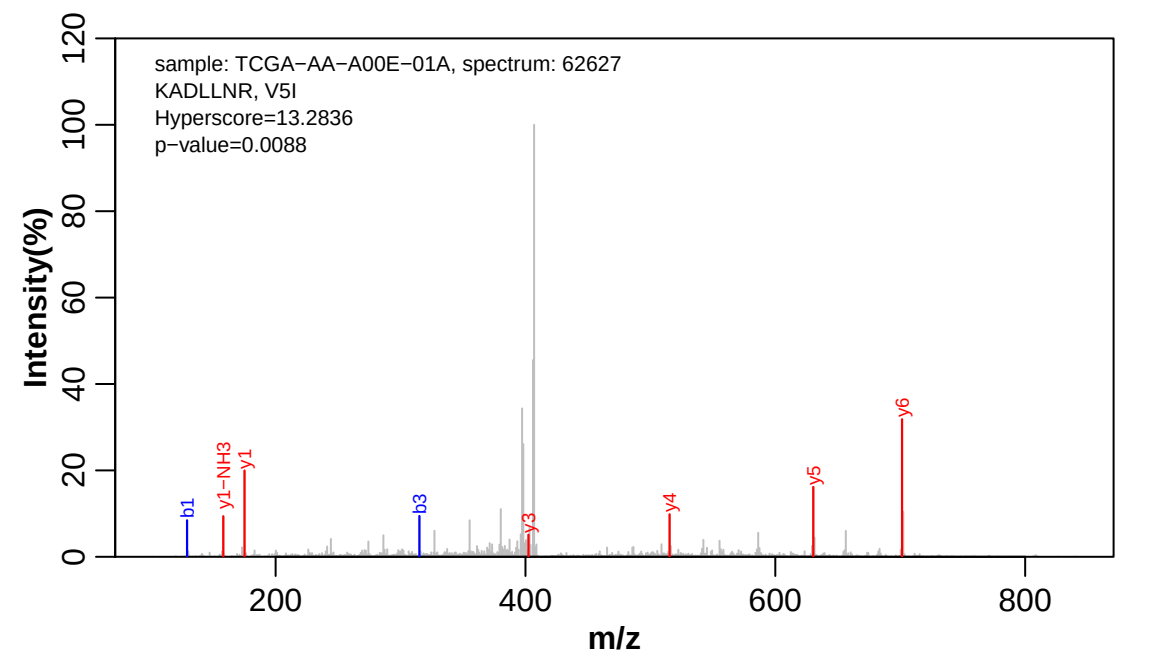

sample: TCGA−AA−A00E−01A, spectrum: 42630
GAQEKPQLSAAQSTQPQK, R3Q
Hyperscore=47.4777
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2−NH3
y3−NH3
y3
b4
b13++
b15++
b17++
b10
b11
b9
b8
y8
y7
y6
y5
y4
y3
y2
y1
b5
b6
b7
b12
b14
b16
b18
b19
b20
b21
b22
b23
b24
b25
b26
b27
b28
b29
b30
b31
b32
b33
b34
b35
b36
b37
b38
b39
b40
b41
b42
b43
b44
b45
b46
b47
b48
b49
b50
b51
b52
b53
b54
b55
b56
b57

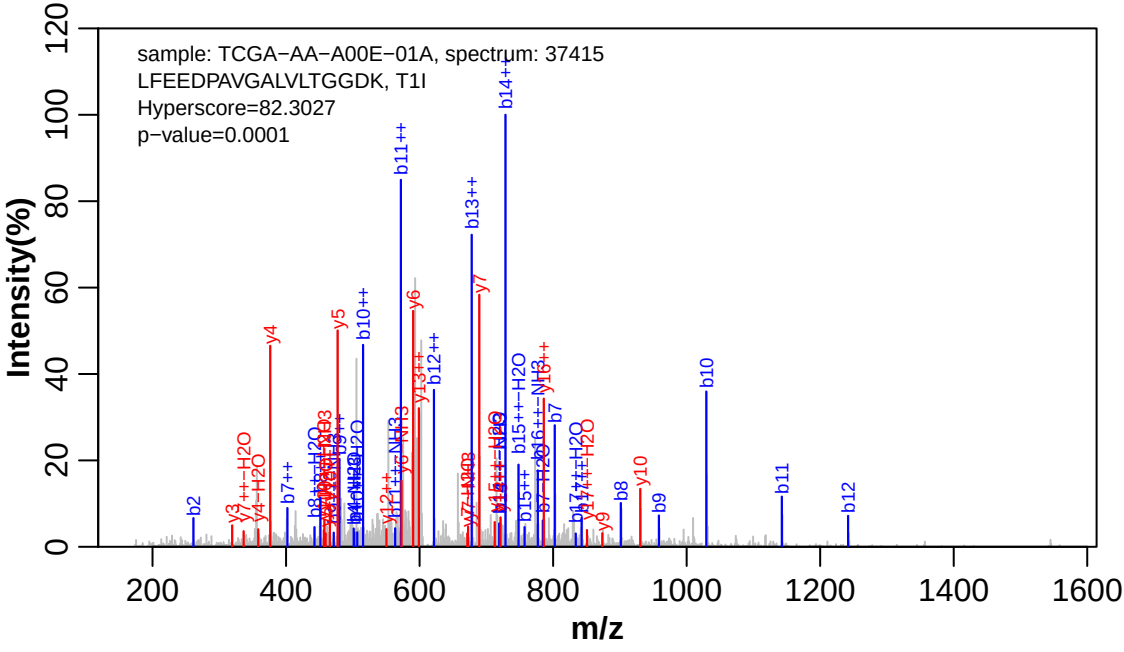

sample: TCGA−AA−A00E−01A, spectrum: 5675
GLCVSENELGVGGTSQWK, P2L
Hyperscore=48.9118
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y9
y6
y7−H2O
y2
y4
y5
y10
y11
y12
y14
b11
b12
b14
y13
b16−H2O
b17

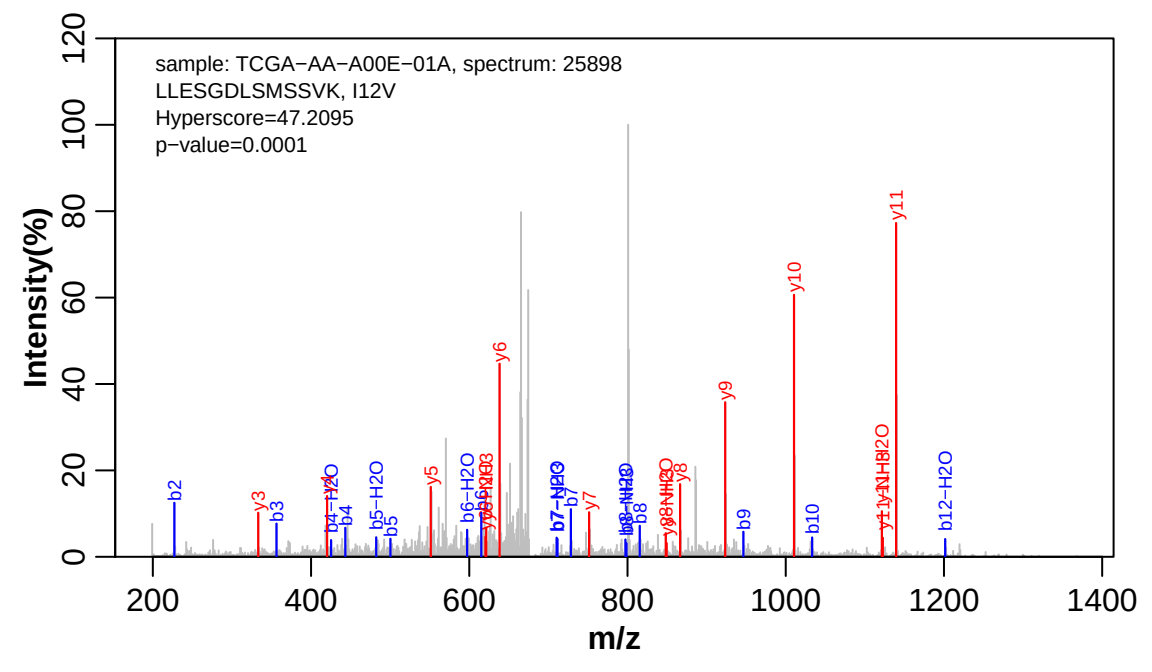

sample: TCGA−AA−A00E−01A, spectrum: 136970
GLSFDAAATSGGSASSEK, T2I
Hyperscore=50.7999
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3−H2O
y3
b4−H2O
y4−H2O
y4
b5−NH3
b5
b6−H2O
b6
y6
y7−H2O
y7
b7
y8−NH3
y8−H2O
b8
y8
y9
y10−NH3
y10−H2O
b10
y10
b11−H2O
b11
y11
y12−H2O
y12
b13−NH3
y13
b14−H2O
b14
y14
b15

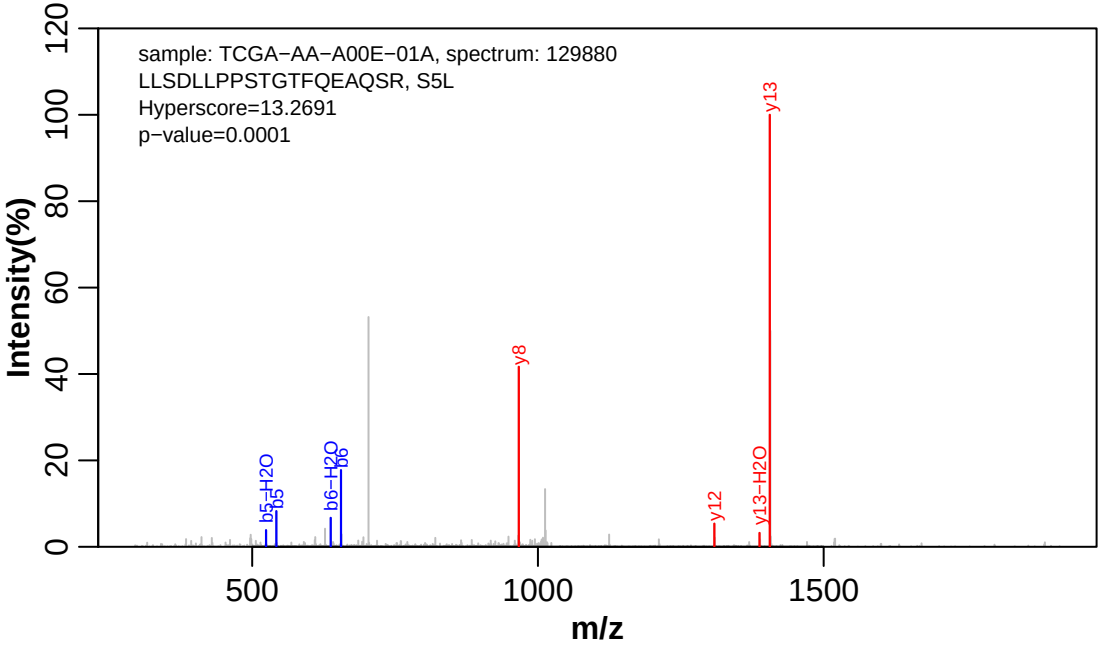

sample: TCGA−AA−A00E−01A, spectrum: 47468
GQTGALLQNTVESLSK, D9N
Hyperscore=47.7648
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b5−H2O
y4
b6
y5
y6
y8
y9
y10
y11
b13
y13
b14
y14

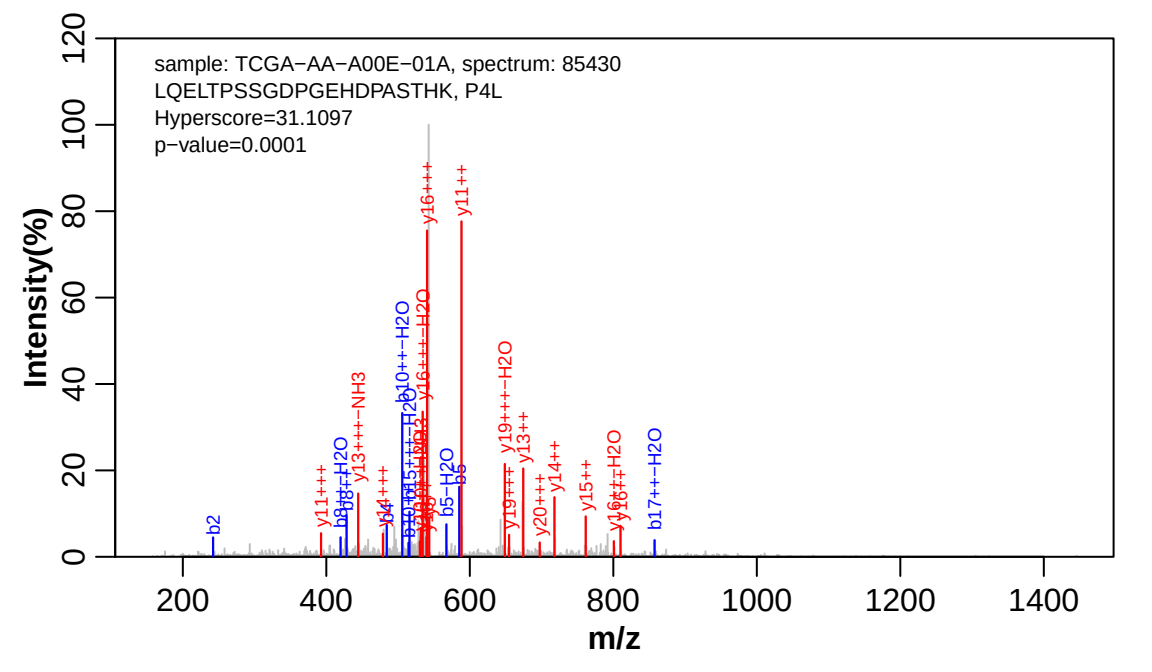

sample: TCGA−AA−A00E−01A, spectrum: 25678
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.5478
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
b10
y8
y7
b11
b7−H2O
b8−H2O
y5−NH3
y6−NH3
y9
y10

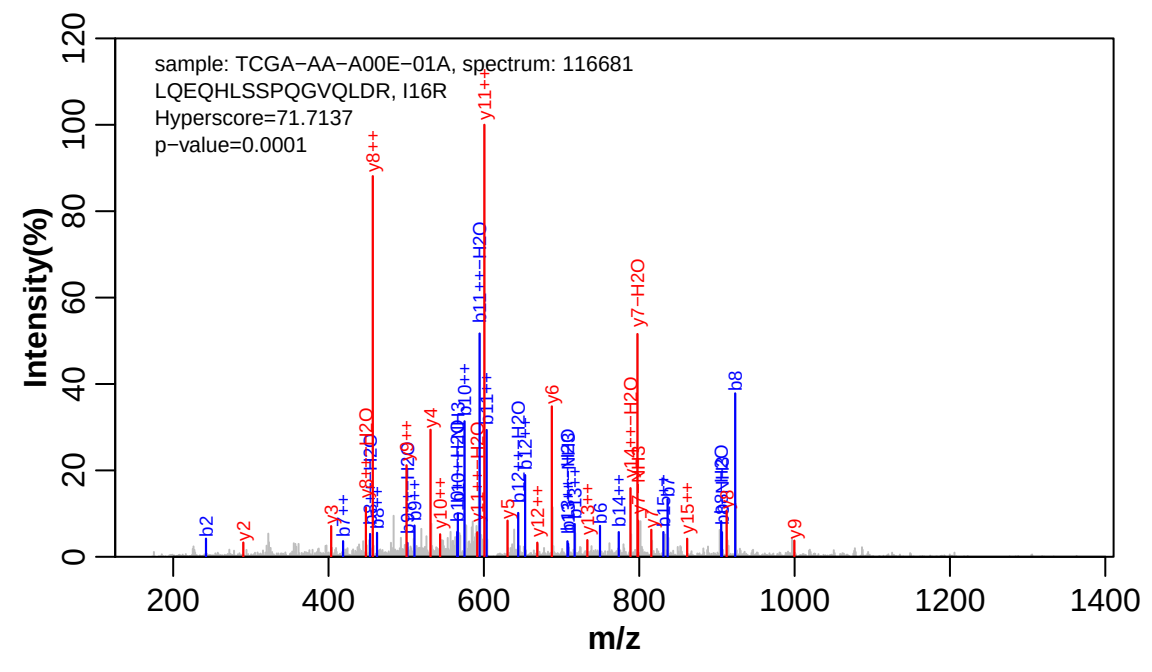

sample: TCGA−AA−A00E−01A, spectrum: 62627
KADLLNR, V5I
Hyperscore=13.2836
p−value=0.0088
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b1
y1−NH3
y1
b3
y3
y4
y5
y6

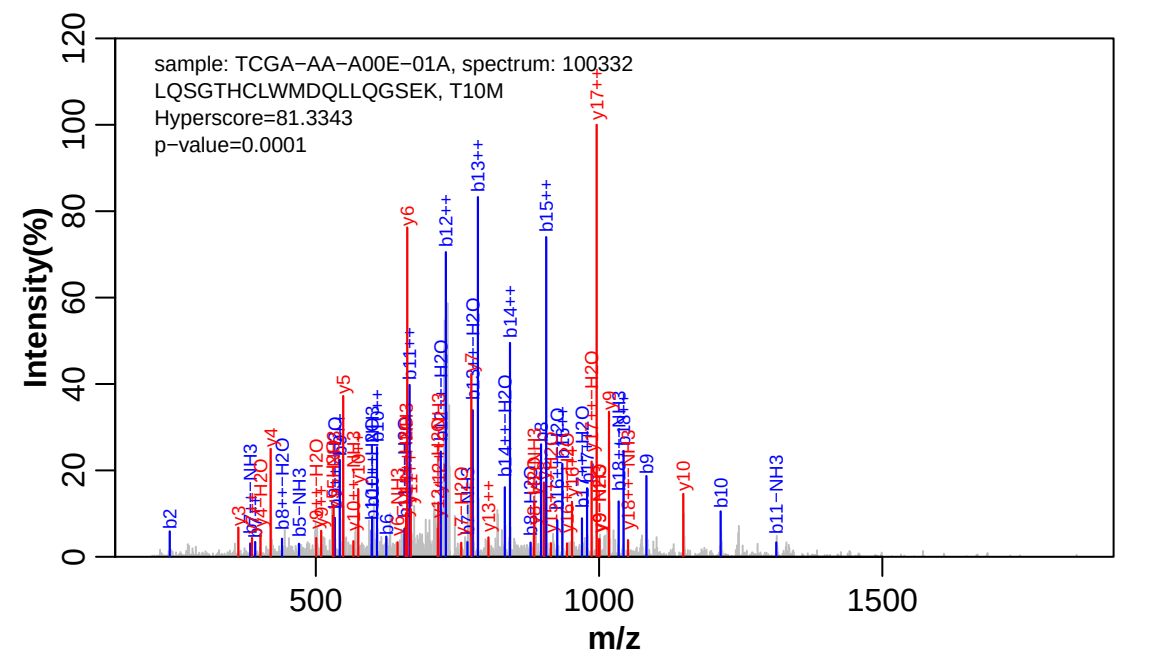

sample: TCGA−AA−A00E−01A, spectrum: 37415
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=82.3027
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b14++
b11++
b13++
y7
y6
y5
y4
b10++
b12++
b10
b11
b12
b2
y3
b7++
b8
y10
b9
y9

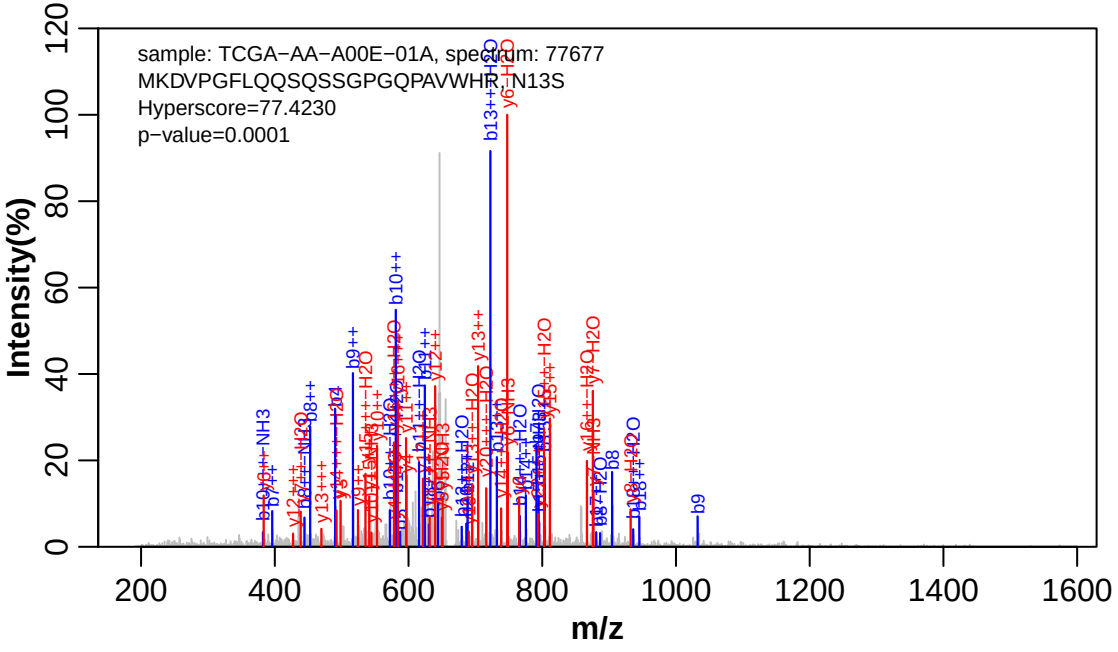

sample: TCGA−AA−A00E−01A, spectrum: 25898
LLESGDLSMSSVK, I12V
Hyperscore=47.2095
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
b3
b4−H2O
y4
b4
b5−H2O
b5
y5
b6−H2O
y6
b7−H2O
b7
y7
b8−NH3
b8−H2O
b8
y8−NH3
y8−H2O
y8
y9
b9
y10
b10
y11
y11−NH3
y11−H2O
b12−H2O

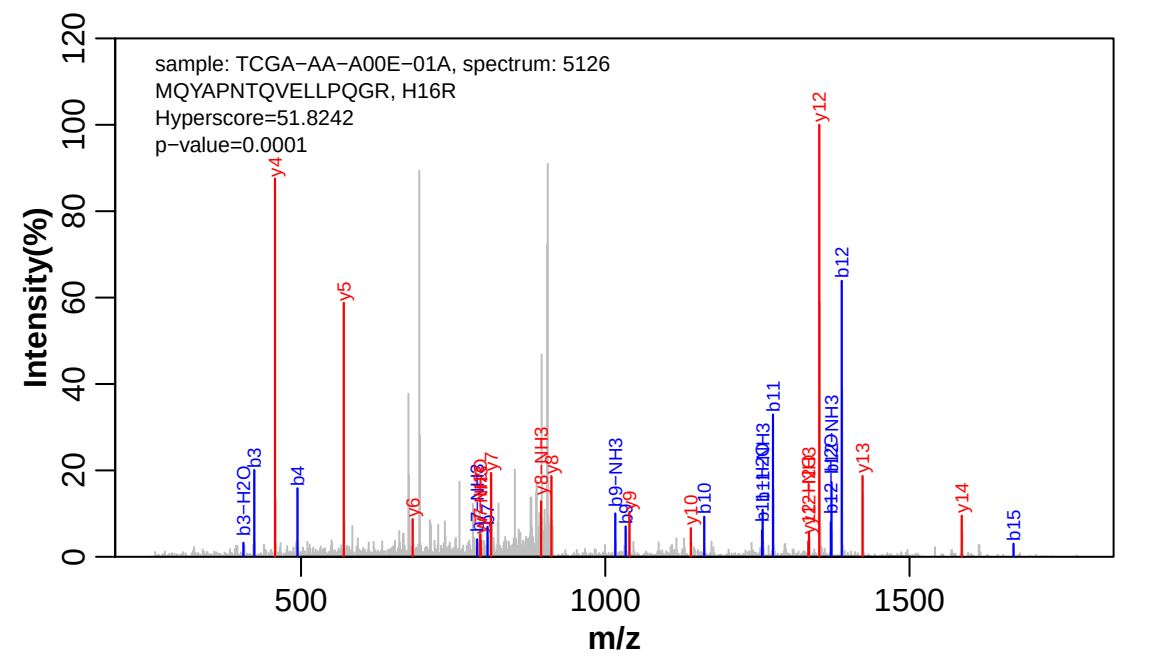

sample: TCGA−AA−A00E−01A, spectrum: 129880
LLSDLLPPSTGTFQEAQSR, S5L
Hyperscore=13.2691
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5−H2O
b5
b6−H2O
b6
y8
y12
y13−H2O
y13

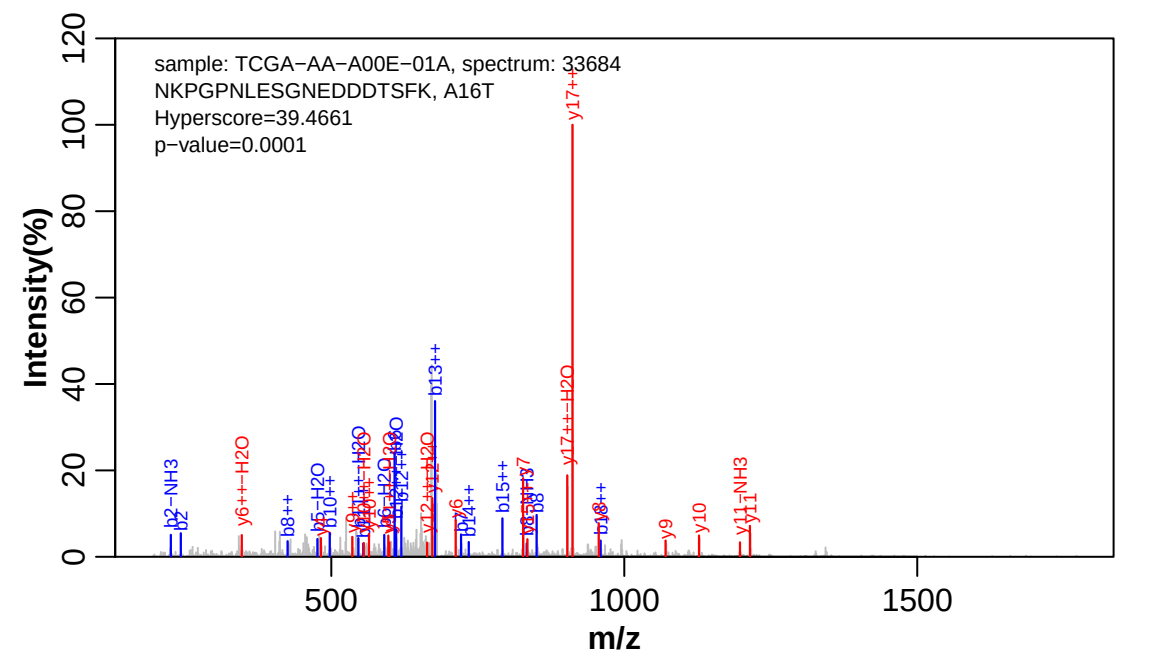

sample: TCGA−AA−A00E−01A, spectrum: 85430
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=31.1097
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y11+++
b3++−H2O
y13+++−NH3
y4+++
b10++−H2O
y16+++−H2O
y16+++
y11++
b5−H2O
b5
y19+++−H2O
y13++
y19+++
y14++
y20+++
y15++
y16++−H2O
b17++−H2O

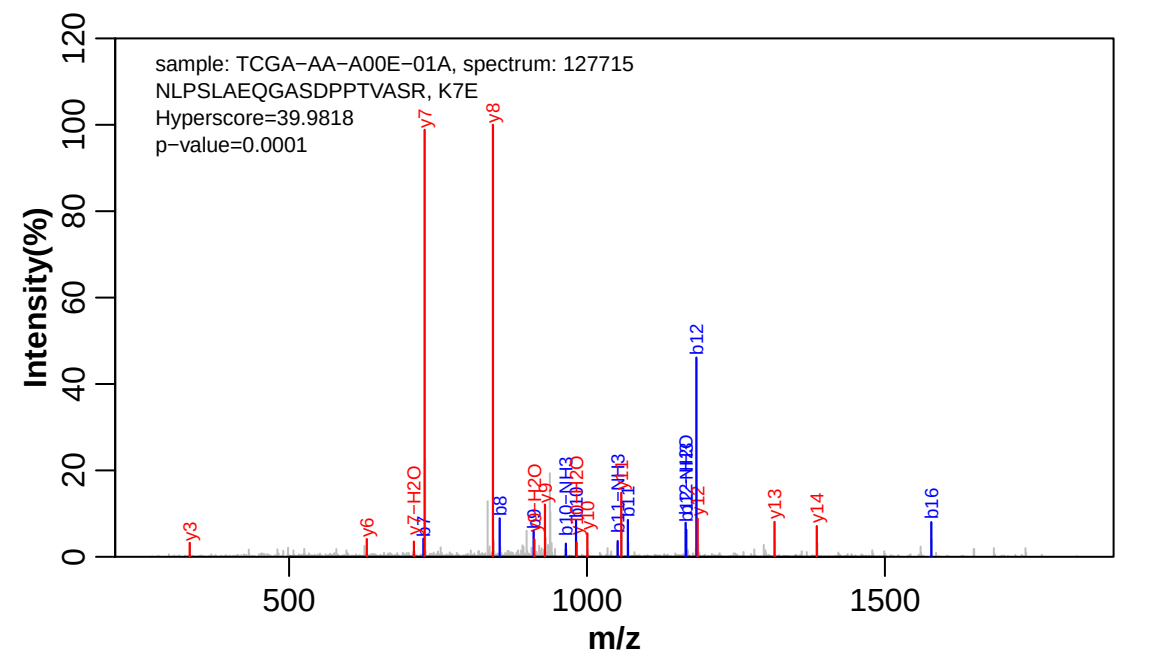

sample: TCGA−AA−A00E−01A, spectrum: 116681
LQEQHLSSPQGVQLDR, I16R
Hyperscore=71.7137
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
y3
b7++
y8++
b8++−H2O
y4
y10++
b10++−H2O
b10++
b11++−H2O
b11++
y11++
y5
b12−H2O
b12
y12++
y6
b13++−NH3
b13++
y13++
b6
b14++
y7−NH3
y7−H2O
y7
b15
b7
y15++
b8−H2O
b8
y9

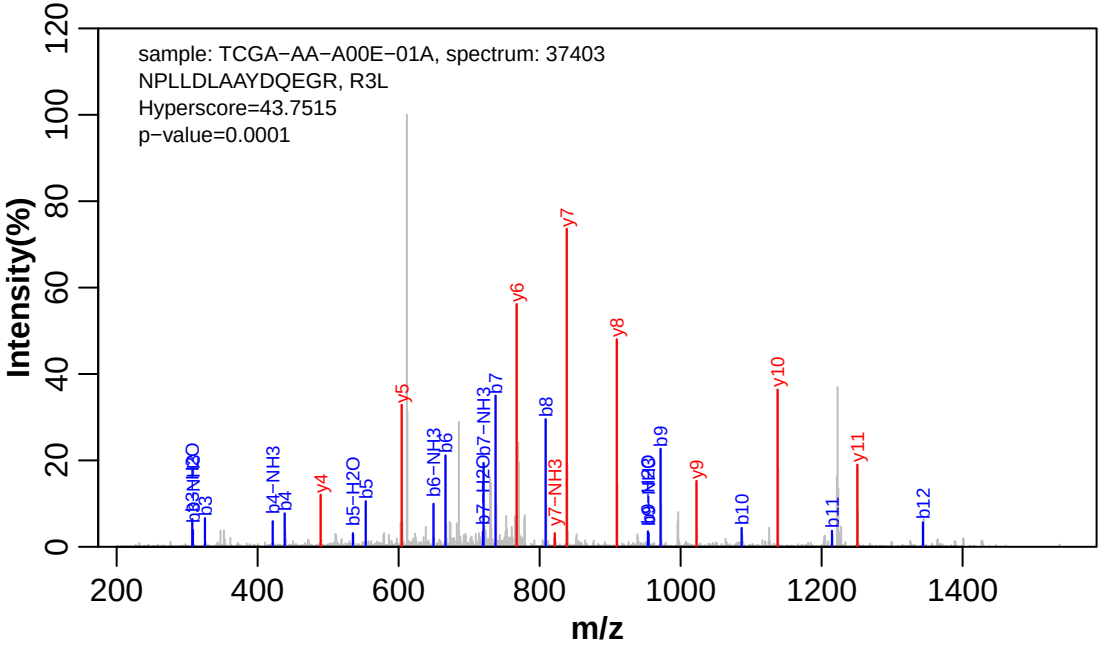

sample: TCGA−AA−A00E−01A, spectrum: 100332
LQSGTHCLWMDQLLQGSEK, T10M
Hyperscore=81.3343
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3++−NH3
y4
b4++−H2O
b8++−H2O
b5−NH3
y5
y6
b6
b11++
b12++
b13++
y7−H2O
b14++
b15++
y13++
y10
b10
b11−NH3
b9

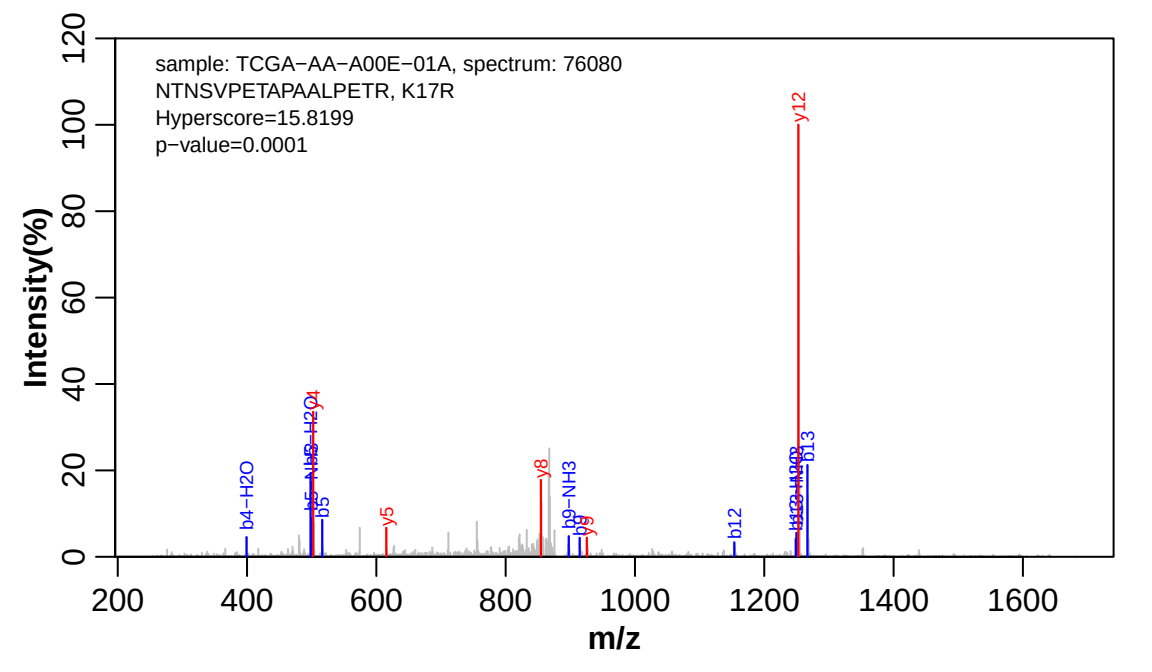

sample: TCGA−AA−A00E−01A, spectrum: 77677
MKDVPGFLQQSQSSGPGQPAVWHR_N13S
Hyperscore=77.4230
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

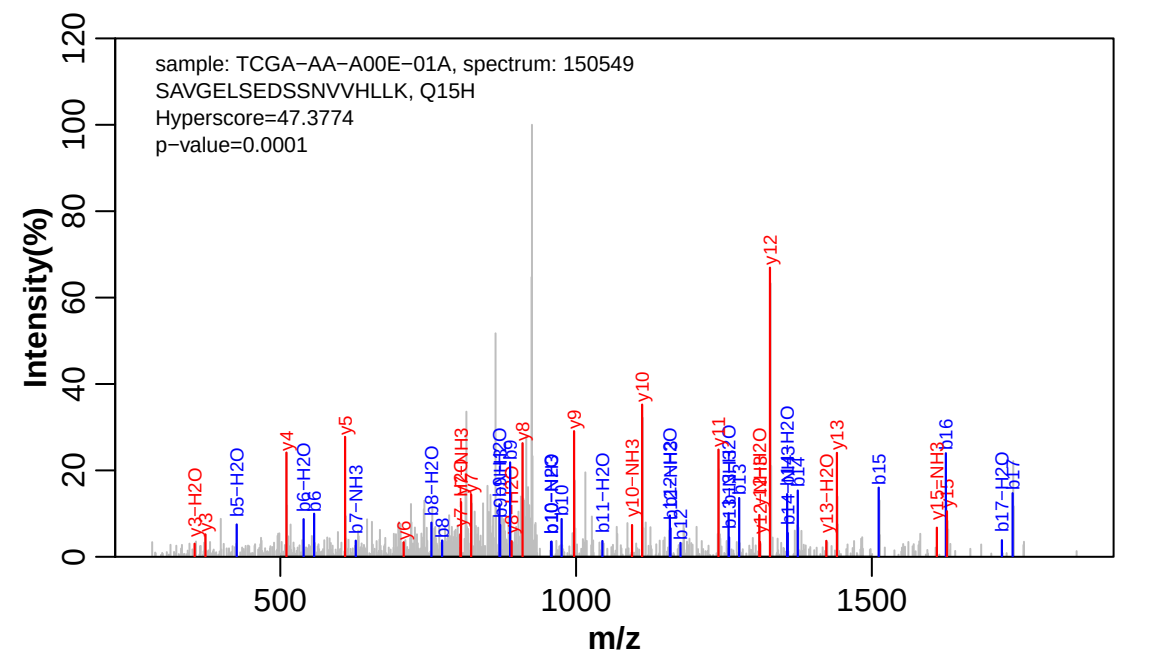

sample: TCGA−AA−A00E−01A, spectrum: 5126
MQYAPNTQVELLPQGR, H16R
Hyperscore=51.8242
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y8
y8−NH3
b3
b3−H2O
b4
b9−NH3
b9
b10
y10
b11
y12
y12−H2O
y12−NH3
b12
b12−H2O
b12−NH3
y13
y14
b15

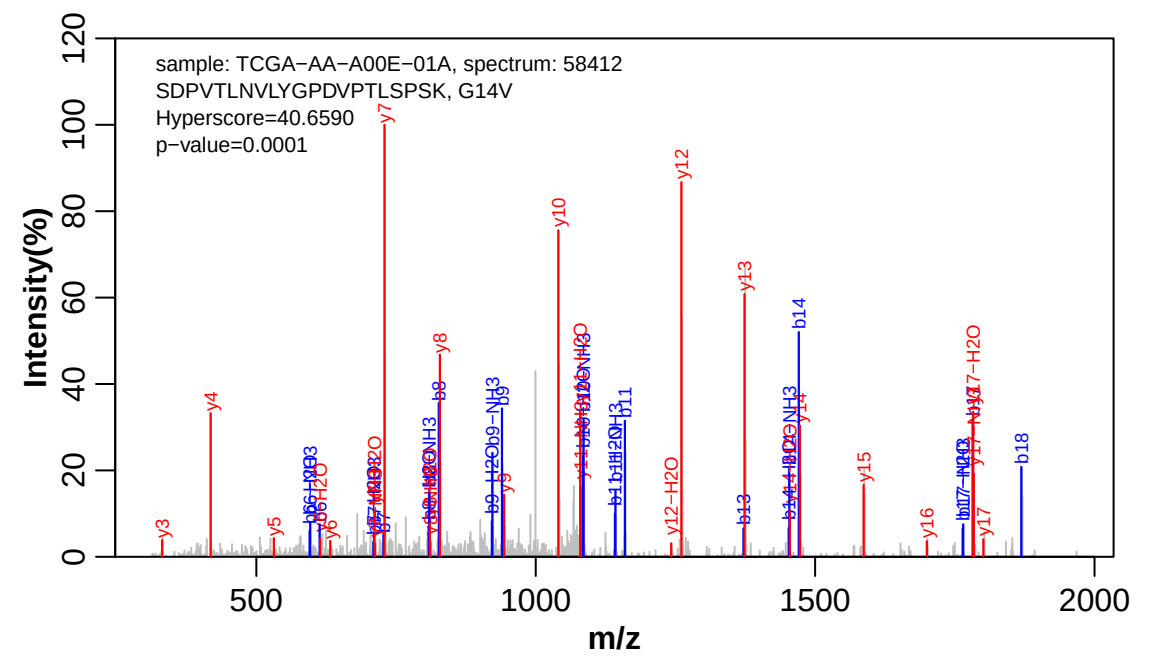

sample: TCGA−AA−A00E−01A, spectrum: 33684
NKPGPNLESGNEDDDTSFK, A16T
Hyperscore=39.4661
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2−NH3
b2
y6++−H2O
b8++
b5−H2O
b10++
b13++
y17++
y17++−H2O
b15++
b18++
y9
y10
y11−NH3
y11

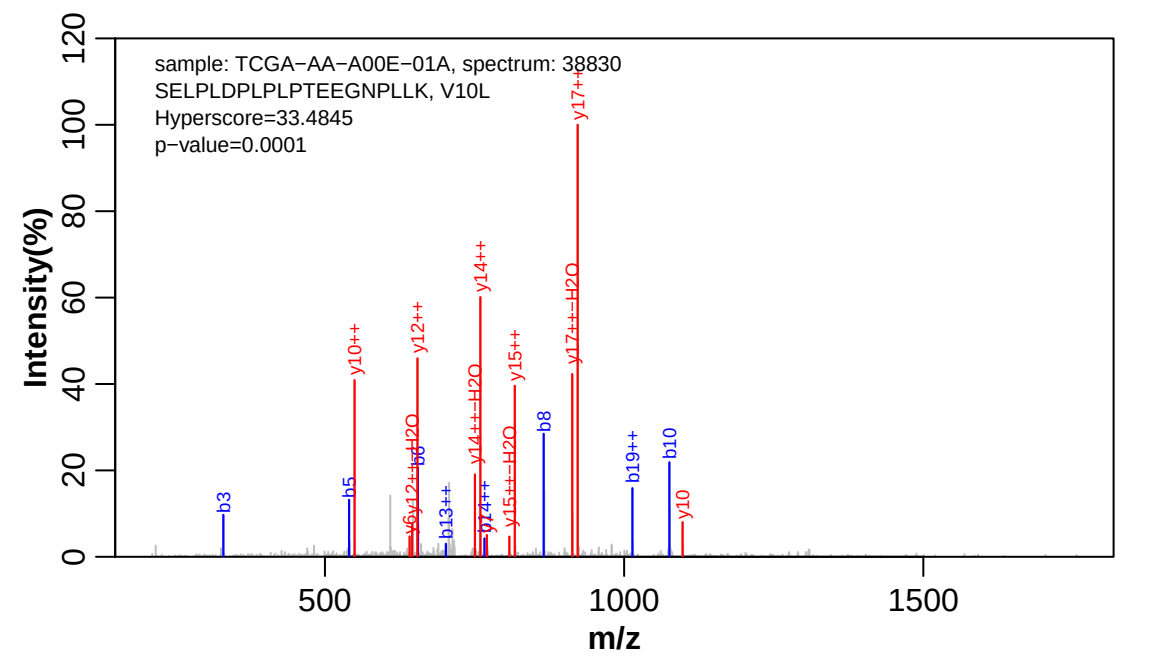

sample: TCGA−AA−A00E−01A, spectrum: 127715
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=39.9818
p−value=0.0001
Intensity(%)
m/z
y3
y6
y7−H2O
y7
b8
y8
b10−NH3
b11−NH3
b12
y13
y14
b16

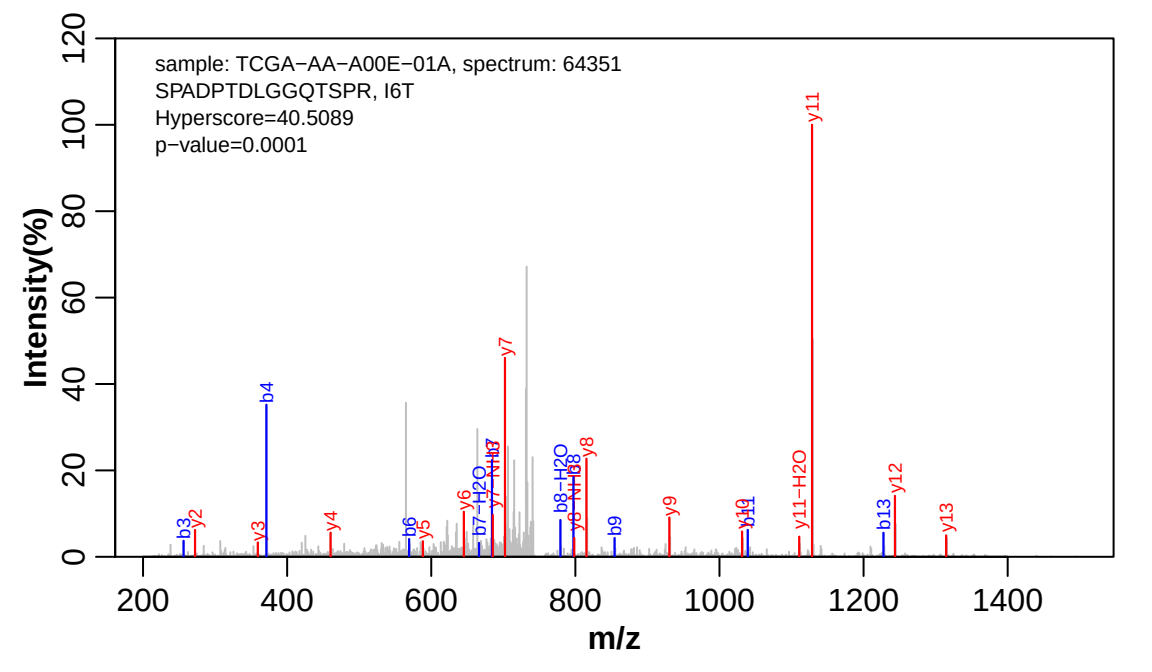

sample: TCGA−AA−A00E−01A, spectrum: 37403
NPLLDLAAYDQEGR, R3L
Hyperscore=43.7515
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−NH3
b3−H2O
b3
b4−NH3
b4
y4
b5−H2O
b5
y5
b6−NH3
b6
b7−H2O
b7−NH3
b7
y6
b8
y7−NH3
y7
y8
b9−NH3
b9−H2O
b9
y9
b10
y10
b11
y11
b12

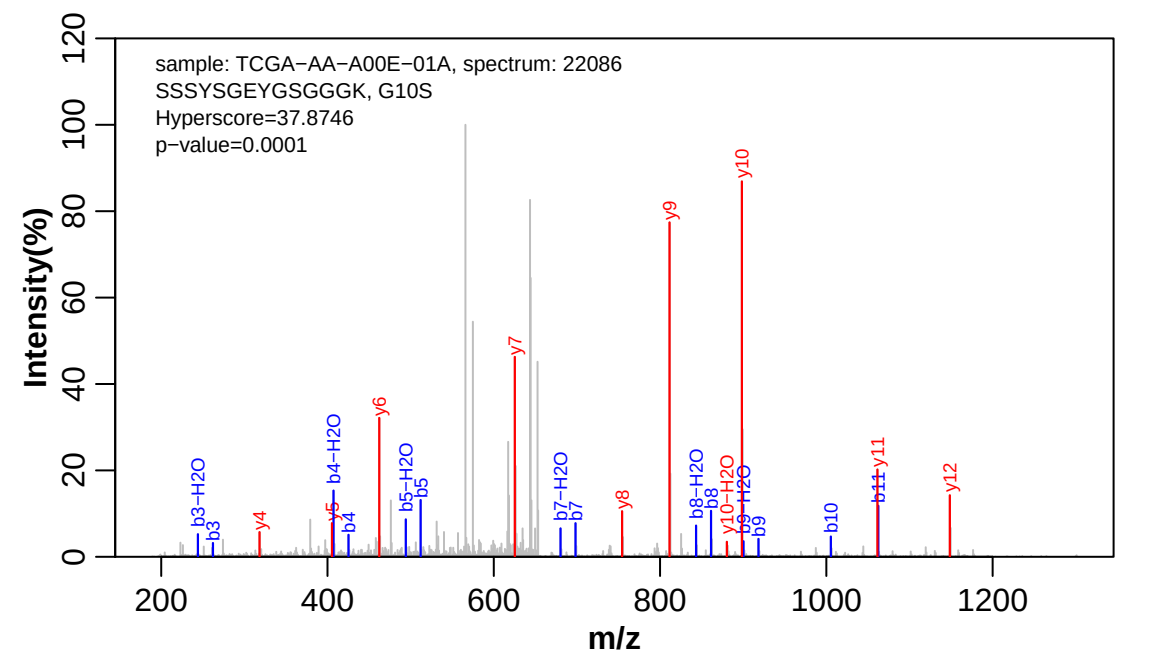

sample: TCGA−AA−A00E−01A, spectrum: 76080
NTNSVPETAPAALPETR, K17R
Hyperscore=15.8199
p−value=0.0001
Intensity(%)
m/z
y12
b13
y8
b9−NH3
y5
b4−H2O
b12
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

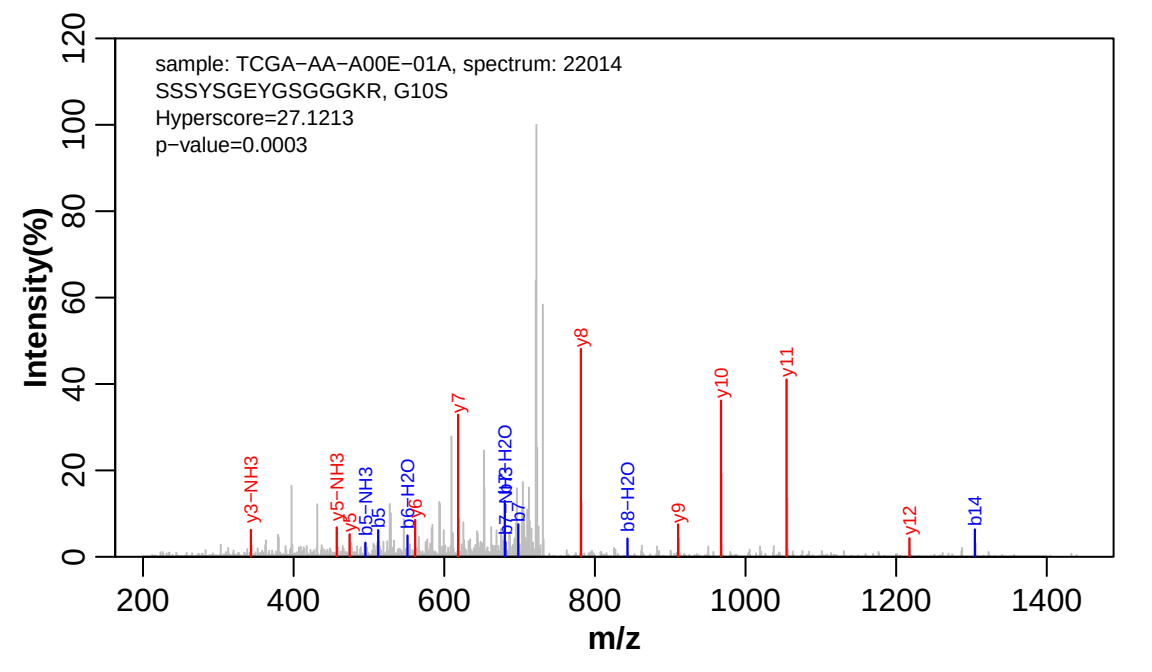

sample: TCGA−AA−A00E−01A, spectrum: 150549
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=47.3774
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3−H2O
y3
b5−H2O
y4
b6−H2O
b6
y5
b7−NH3
y6
b8
b8−H2O
y7−NH3
y7
y8
y9
b10
b11−H2O
y10−NH3
y10
b12
y11
b13
y12
b14
y13−H2O
y13
b15
y15−NH3
b16
b17−H2O
b17

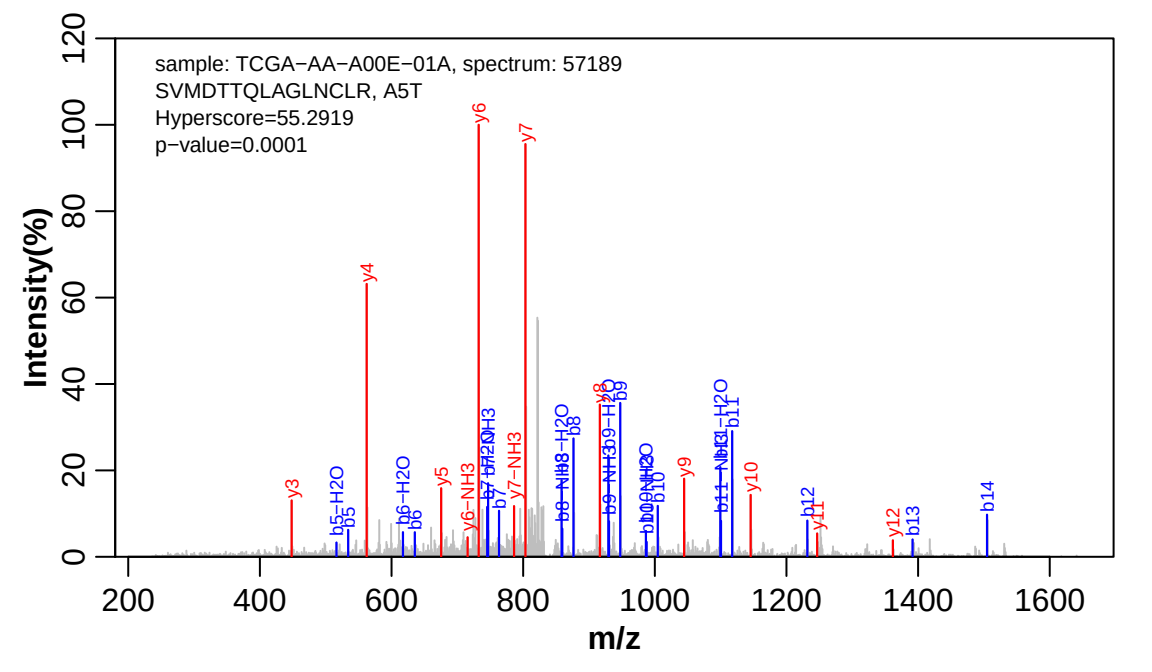

sample: TCGA−AA−A00E−01A, spectrum: 58412
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=40.6590
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y5
y6
y7
y8
y9
y10
y11
y12
y13
y14
y15
y16
y17
b8
b9
b11
b13
b14
b18
y12−H2O
y17−H2O

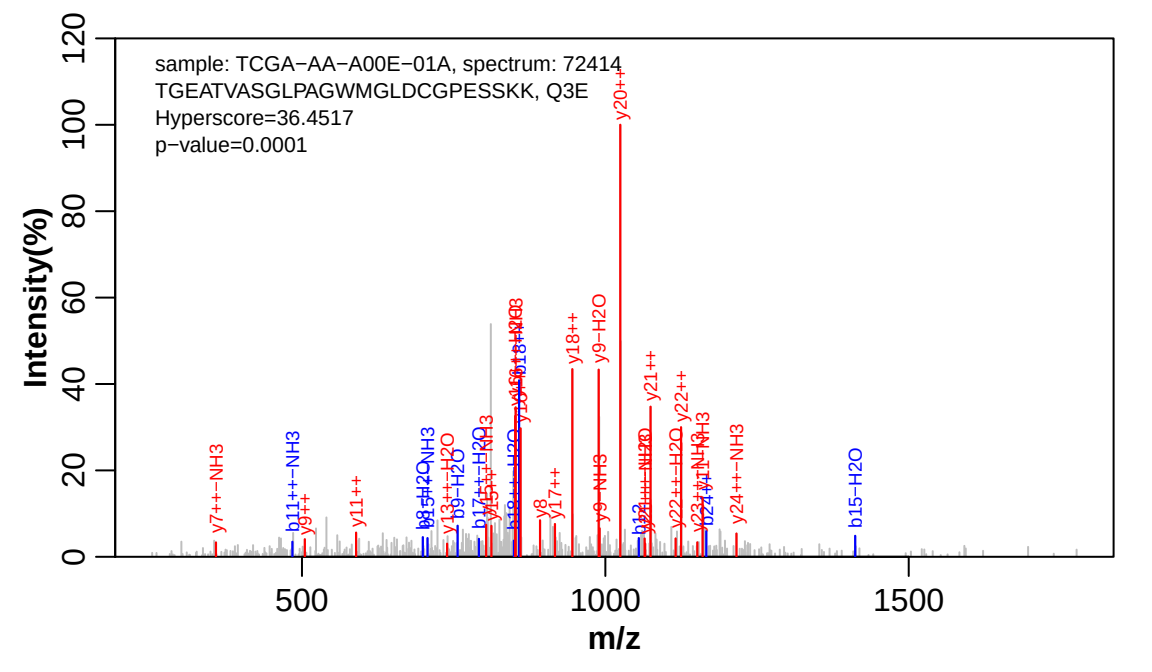

sample: TCGA−AA−A00E−01A, spectrum: 38830
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=33.4845
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
y10++
b5
y12++
y6y12++-H2O
b6
b13++
y14++
y14++-H2O
y14+++
y15++
y15++-H2O
b8
y17++
y17++-H2O
b19++
b10
y10

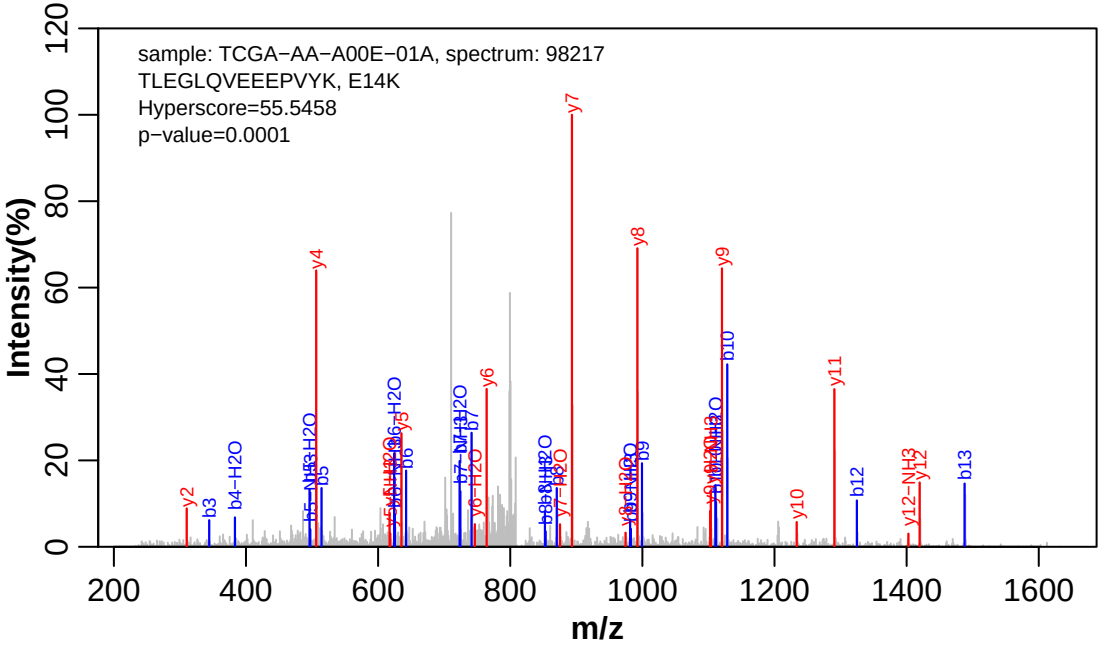

sample: TCGA−AA−A00E−01A, spectrum: 64351
SPADPTDLGGQTSPR, I6T
Hyperscore=40.5089
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
b4
y3
y4
b6
y5
y6
b7−H2O
y7−NH3
y7
b8−H2O
b8−NH3
y8
b9
y9
b10
y10
y11−H2O
y11
b13
y12
y13

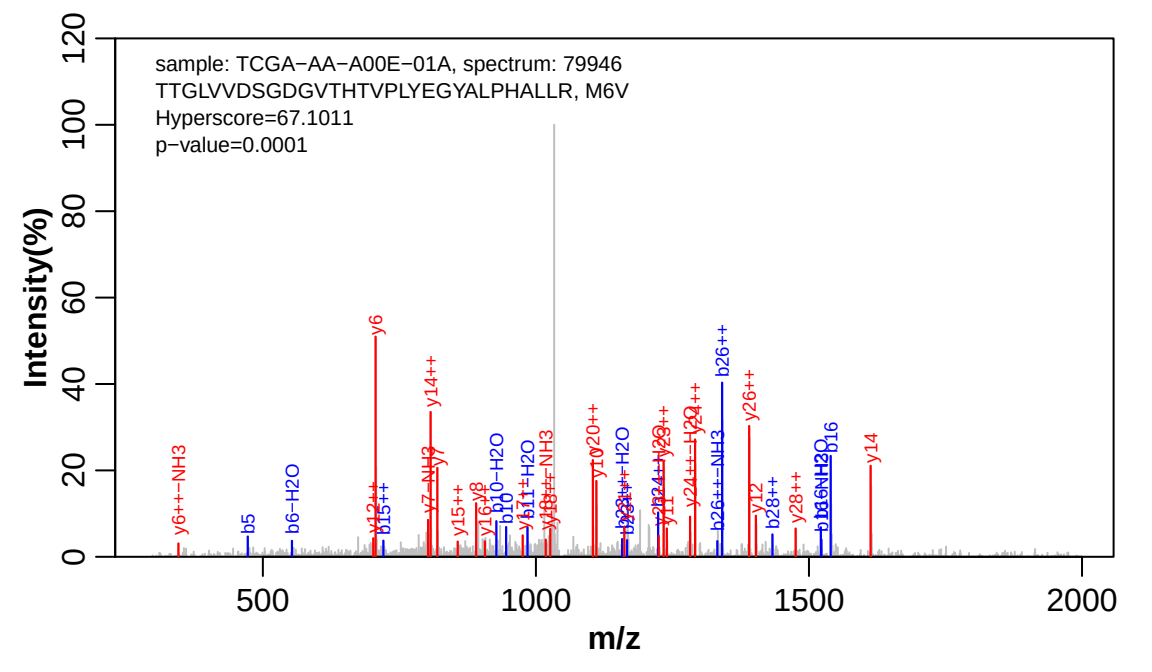

sample: TCGA−AA−A00E−01A, spectrum: 22086
SSSYSGEYGSGGGK, G10S
Hyperscore=37.8746
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
y4
y5
b4−H2O
b4
y6
b5−H2O
b5
y7
b7−H2O
b7
y8
y9
b8−H2O
b8
y10−H2O
y10
b9−H2O
b9
b10
b11−y11
y12

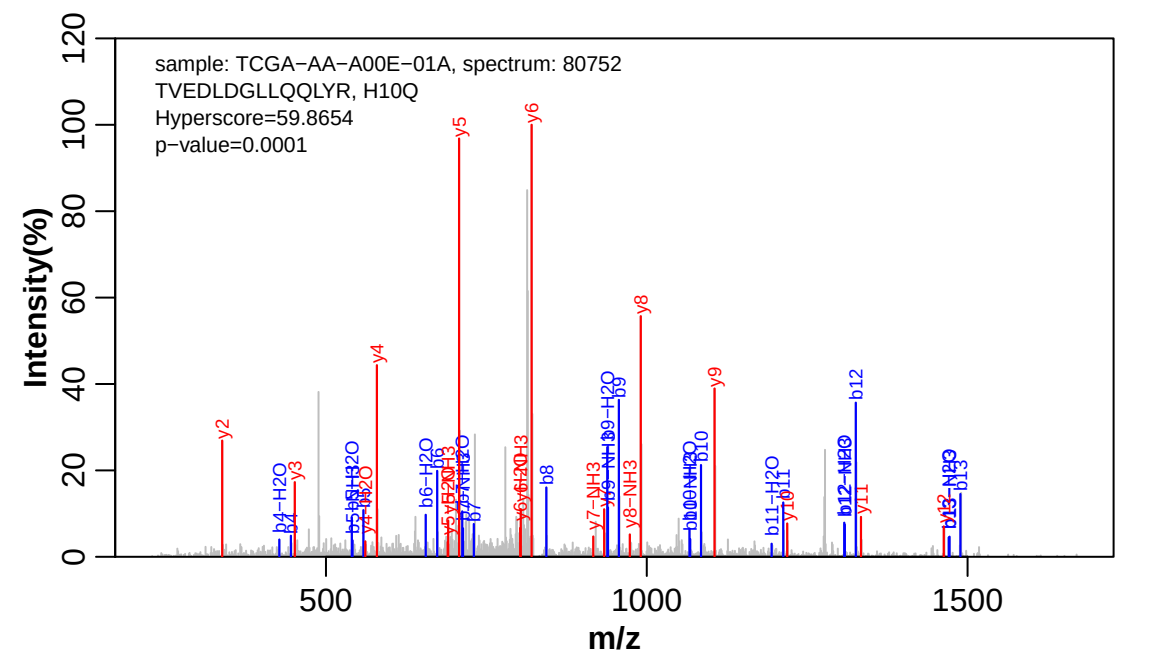

sample: TCGA−AA−A00E−01A, spectrum: 22014
SSSYSGEYGSGGGKR, G10S
Hyperscore=27.1213
p−value=0.0003
Intensity(%)
m/z
y3−NH3
y5−NH3
y5
b5−NH3
b5
b6−H2O
y6
y7
b7−NH3
b7−H2O
b7
y8
b8−H2O
y9
y10
y11
y12
b14

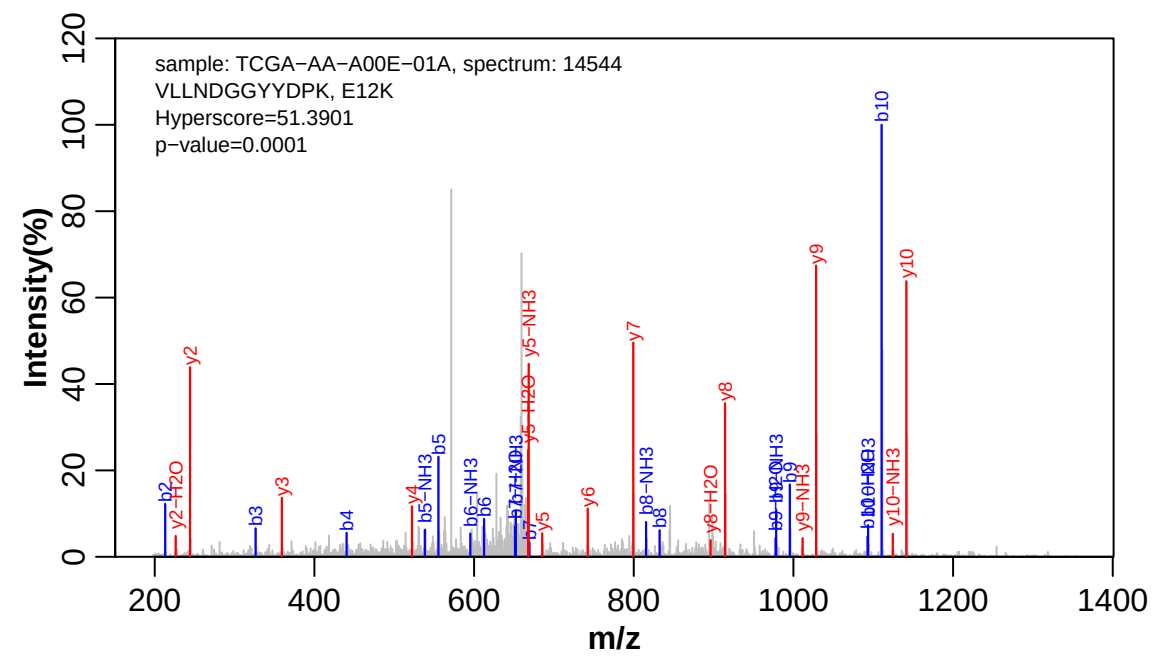

sample: TCGA−AA−A00E−01A, spectrum: 57189
SVMDTTQLAGLNCLR, A5T
Hyperscore=55.2919
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y4
y3
y5
y6−NH3
y7−NH3
y8
y9
y10
y11
y12
b5
b5−H2O
b6
b6−H2O
b7
b8
b8−H2O
b9
b9−NH3
b9−H2O
b10
b11
b11−NH3
b11−H2O
b12
b13
b14

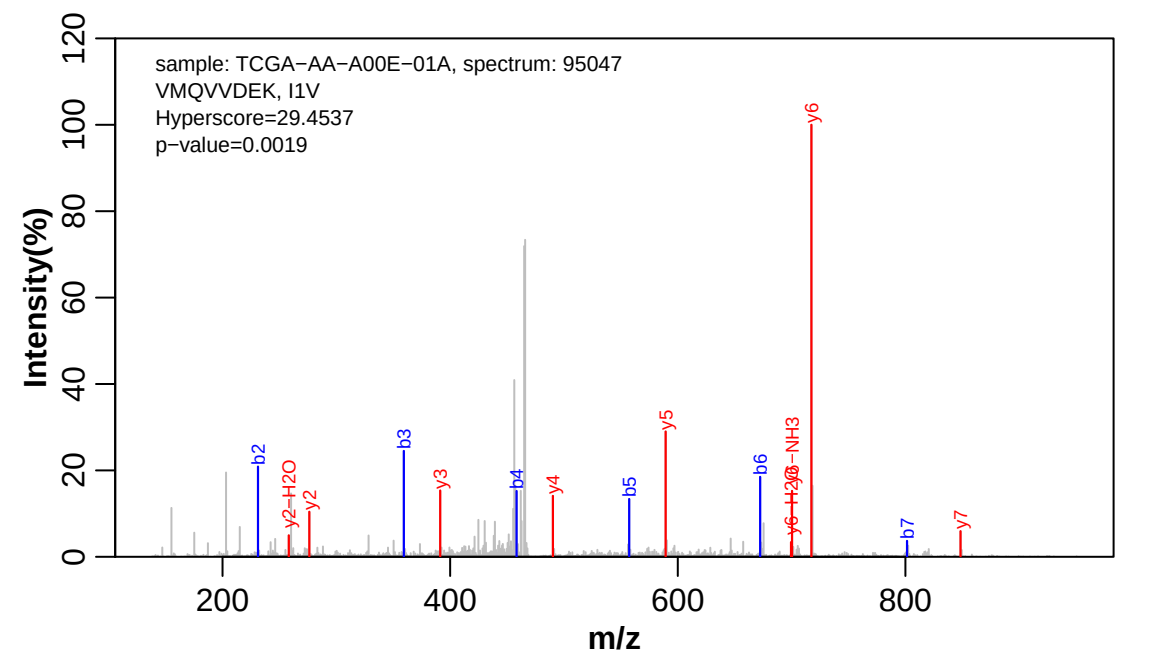

sample: TCGA−AA−A00E−01A, spectrum: 72414
TGEATVASGLPAGWMGLDCGPESSKK, Q3E
Hyperscore=36.4517
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y20++
y18++
y9−H2O
y9−NH3
y21++
y22++−H2O
y22++
y22++−NH3
y24++−NH3
b15−H2O
y7++−NH3
b11++−NH3
y9++
y11++
y13++−H2O
y17++
y8
b12

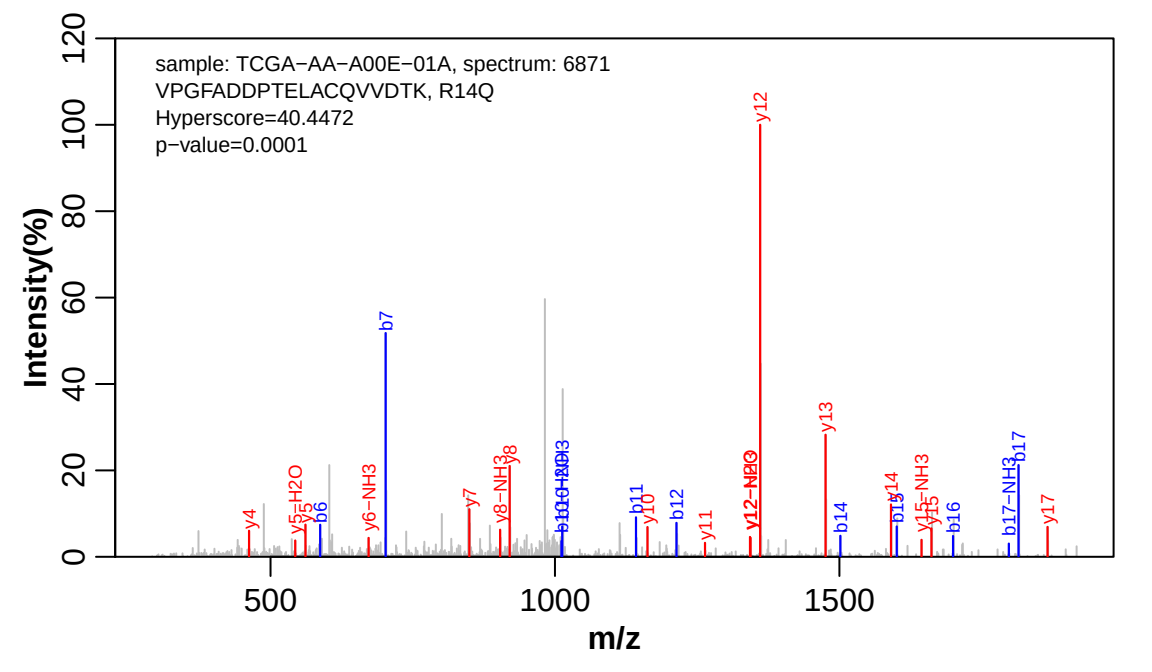

sample: TCGA−AA−A00E−01A, spectrum: 98217
TLEGLQVEEEPVYK, E14K
Hyperscore=55.5458
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
b4−H2O
y4
b5
b6
y5
y6
y7
y8
y9
b10
y11
b12
y12−NH3
b13
y10

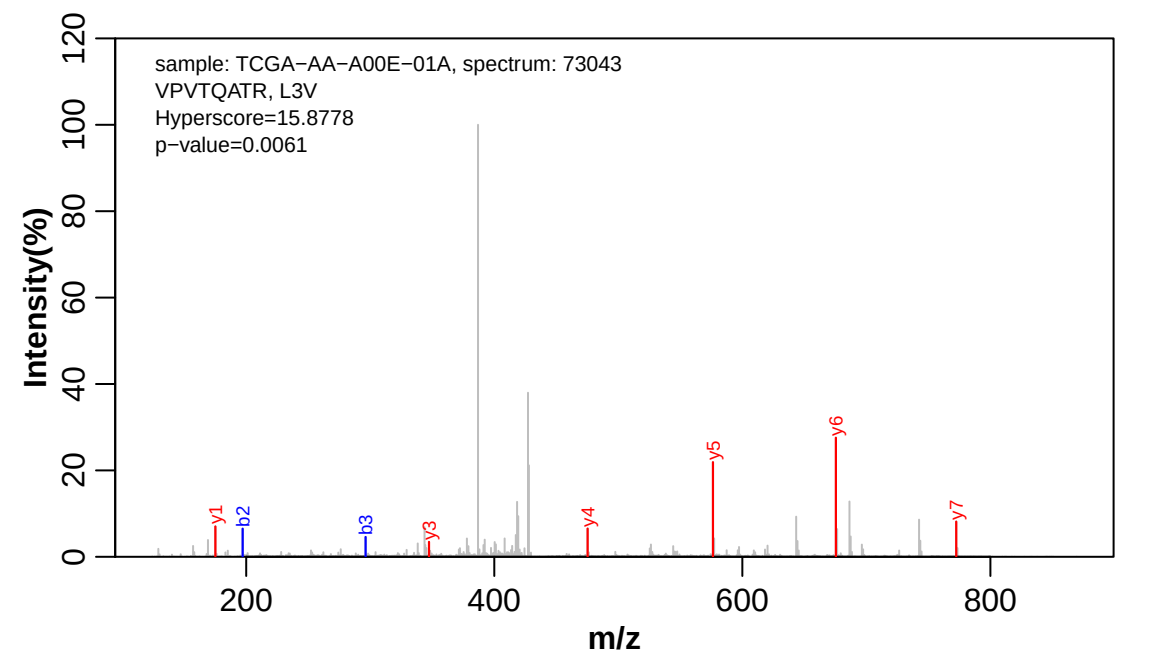

sample: TCGA−AA−A00E−01A, spectrum: 79946
TTGLVVDSGDGVTHTVPLYEGYALPHALLR, M6V
Hyperscore=67.1011
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6++−NH3
b5
b6−H2O
y6
y12++
b15++
y14++
y7−NH3
y7
y15++
y16++
y8
b10−H2O
b10
y11++H2O
y11
y18++−NH3
y20++
y10
b23++H2O
b23
y24++−H2O
y24++
y24++
b26++
b26++−NH3
y26++
y12
b28++
y28++
b16++
b16−NH3
b16
y14

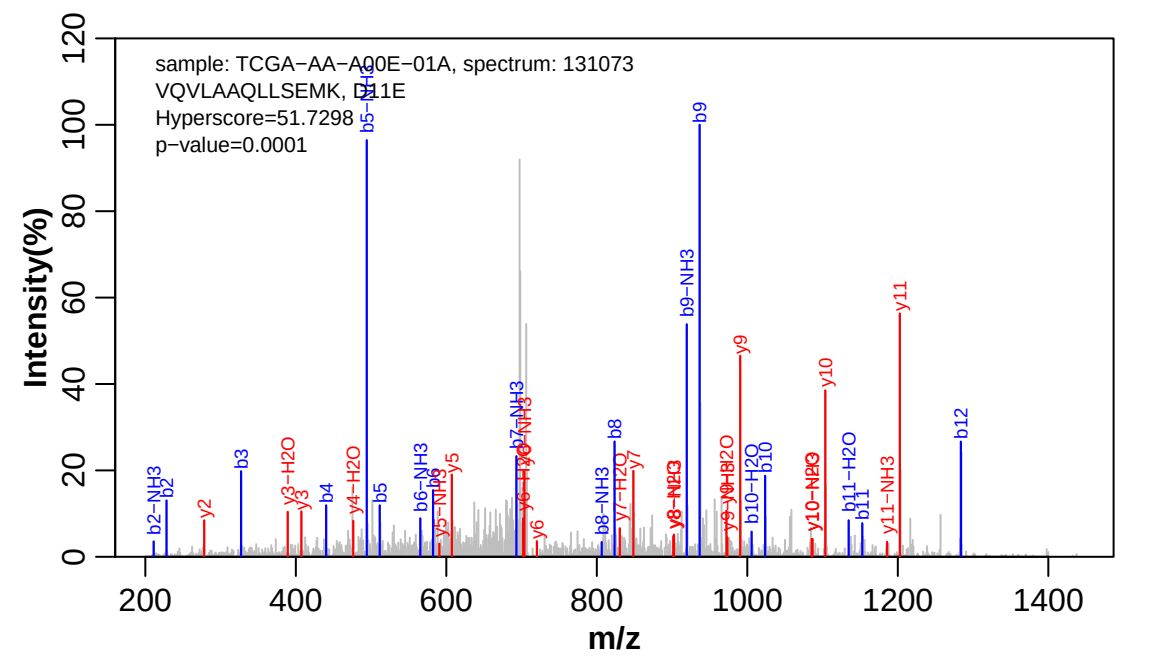

sample: TCGA−AA−A00E−01A, spectrum: 80752
TVEDLDGLLQQLYR, H10Q
Hyperscore=59.8654
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
y4
y5
y6
y8
y9
y10
y11
b4−H2O
b4
b5−H2O
b6−H2O
b8
b9
b9−H2O
b10
b11−H2O
b12
b13
y7−NH3
y8−NH3

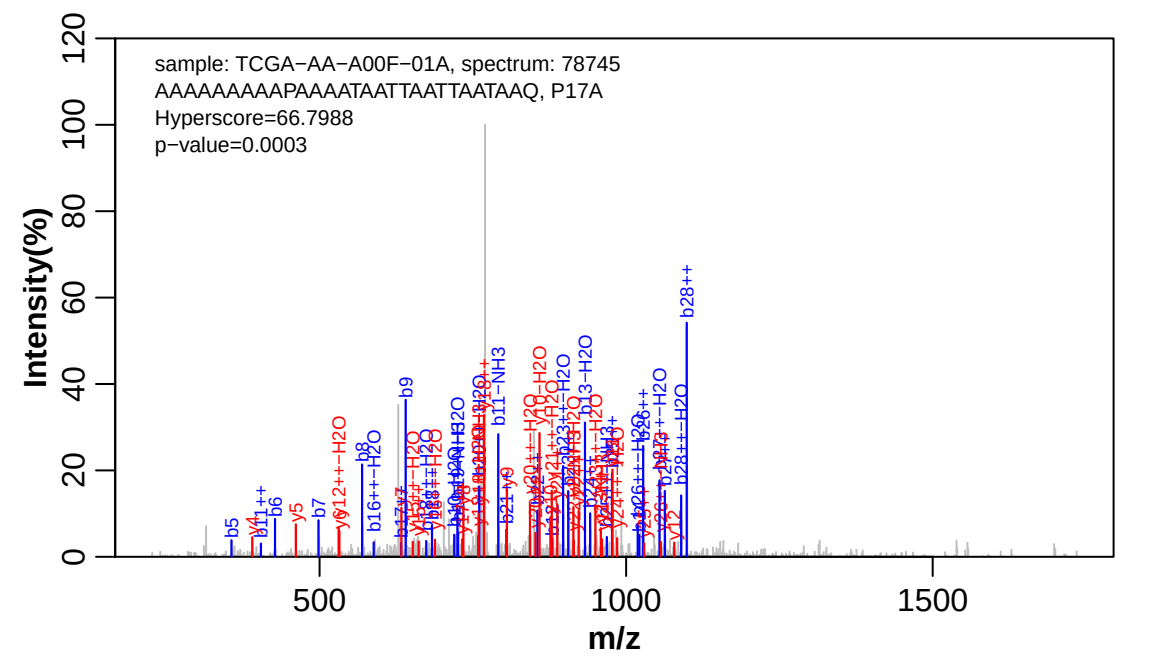

sample: TCGA−AA−A00E−01A, spectrum: 14544
VLLNDGGYYDPK, E12K
Hyperscore=51.3901
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b10
y10
y9
y2
y7
y8
y5−NH3
y5−H2O
b5
b2
y2−H2O
y3
b3
b4
y4
b5−NH3
b6−NH3
b6
b7
y5
y6
b8−NH3
b8
y8−H2O
b9
y9−NH3
y10−NH3

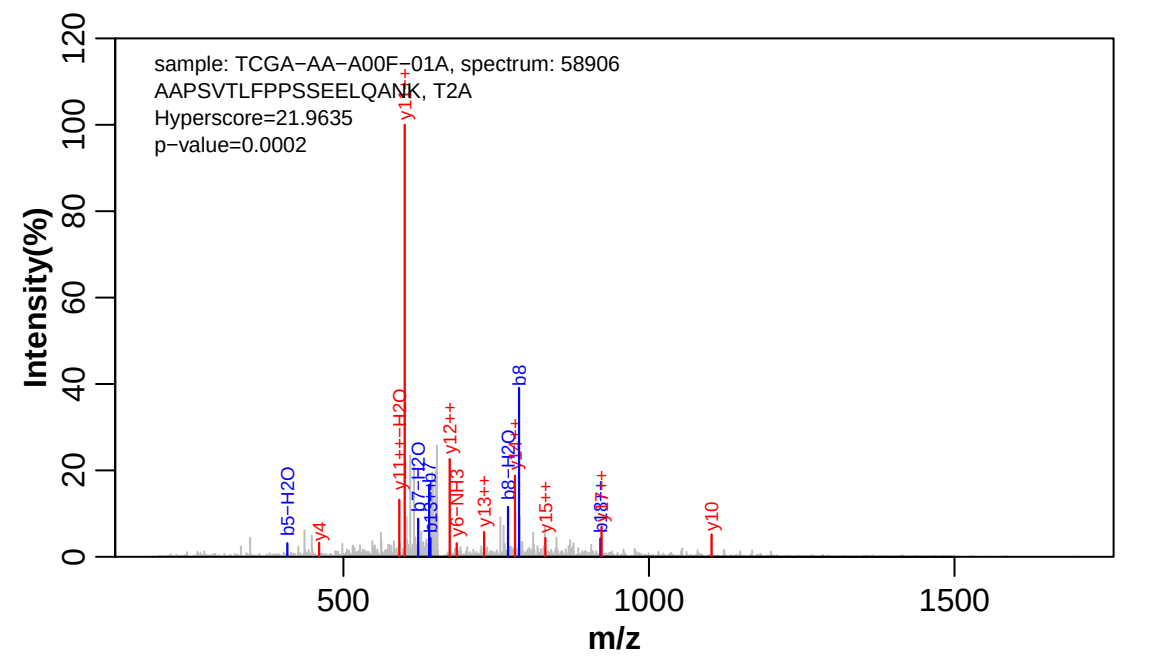

sample: TCGA−AA−A00E−01A, spectrum: 95047
VMQVVDEK, I1V
Hyperscore=29.4537
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2−H2O
y2
b3
y3
b4
y4
b5
y5
b6
y6−NH3
y6
b7
y7

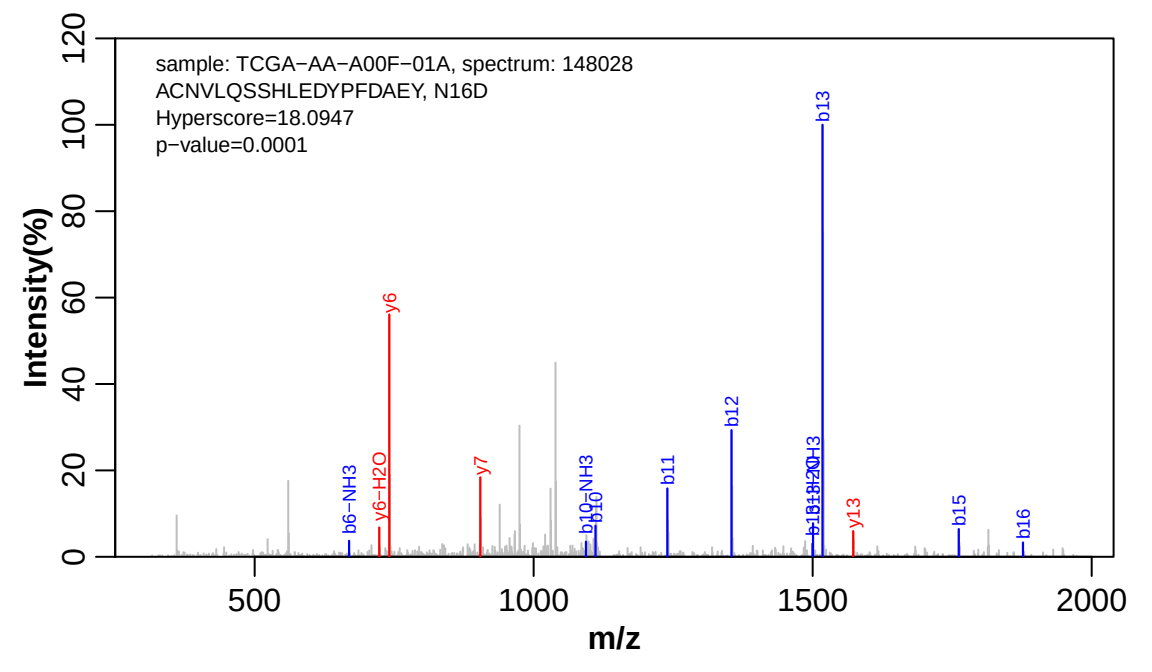

sample: TCGA−AA−A00E−01A, spectrum: 6871
VPGFADDPTELACQVVDTK, R14Q
Hyperscore=40.4472
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4
y5−H2O
y5
b6
y6−NH3
b7
y7
y8−NH3
y8
b11
y10
b12
y11
y12
y12−NH3
y13
b14
b15
y14
y15−NH3
y15
b16
b17−NH3
b17
y17

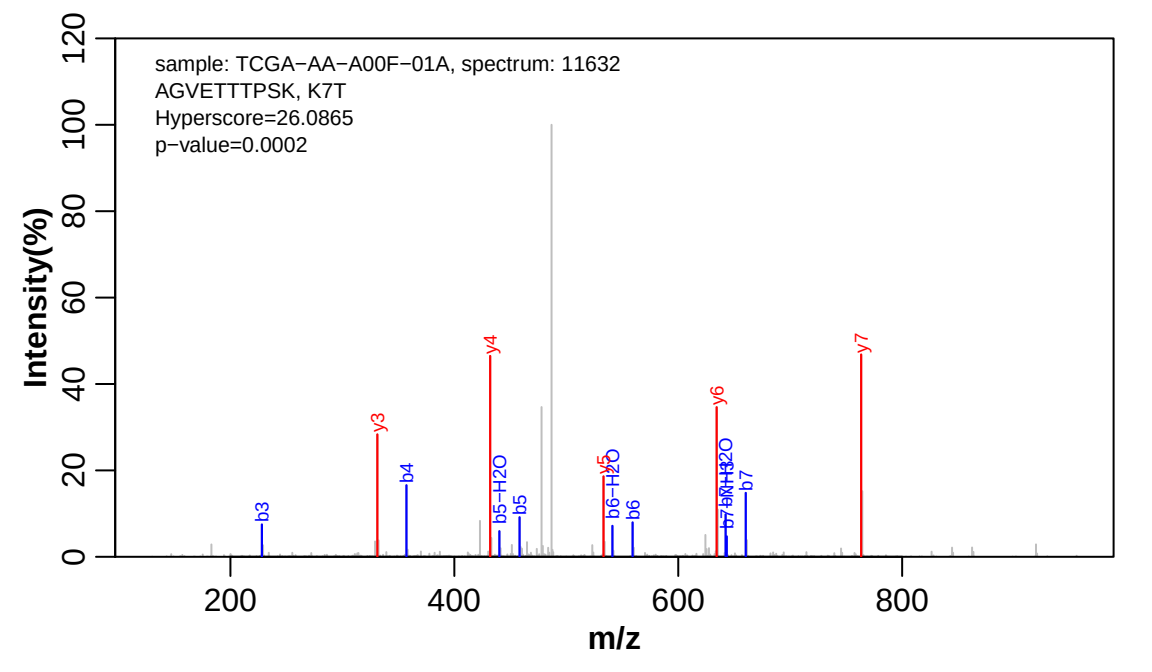

sample: TCGA−AA−A00E−01A, spectrum: 73043
VPVTQATR, L3V
Hyperscore=15.8778
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
y4
y5
y6
y7

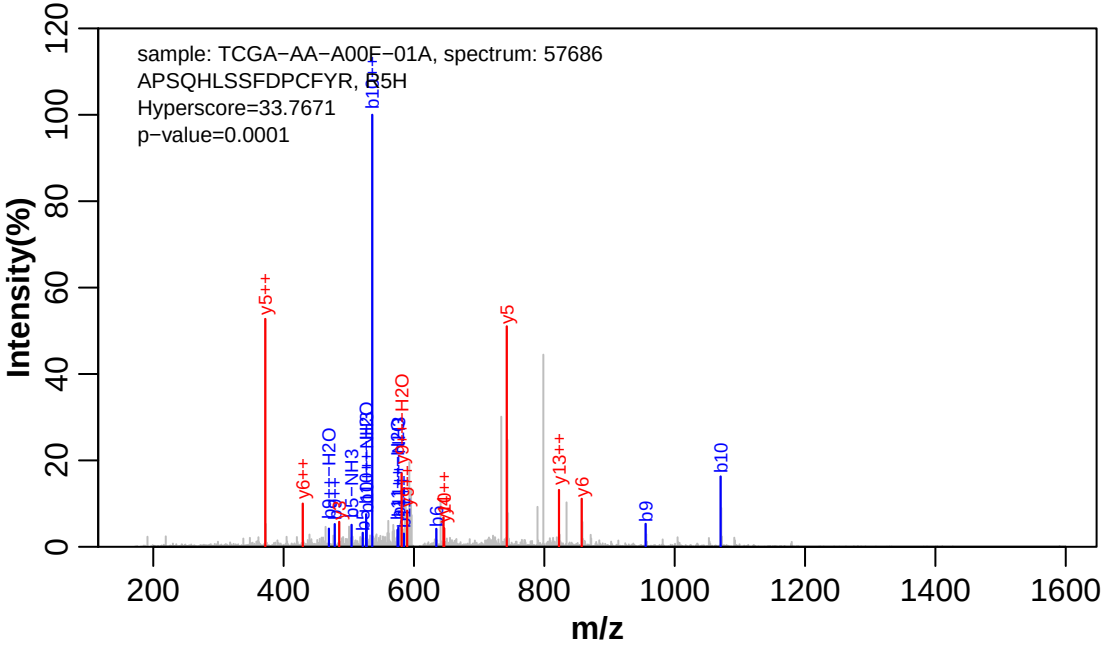

sample: TCGA−AA−A00E−01A, spectrum: 131073
VQVLAAQLLSEMK, D11E
Hyperscore=51.7298
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−NH3
b2
y2
b3
y3−H2O
y3
b4
y4−H2O
b5
b5−H2O
b6−NH3
y5−NH3
y5
b7−NH3
b7−H2O
y6−H2O
y6
b8−NH3
b8
y7−H2O
y7
y8−NH3
y8−H2O
b9
b9−NH3
y9−NH3
y9−H2O
y9
b10−H2O
b10
y10−NH3
y10−H2O
y10
b11−H2O
b11
y11−NH3
y11
b12

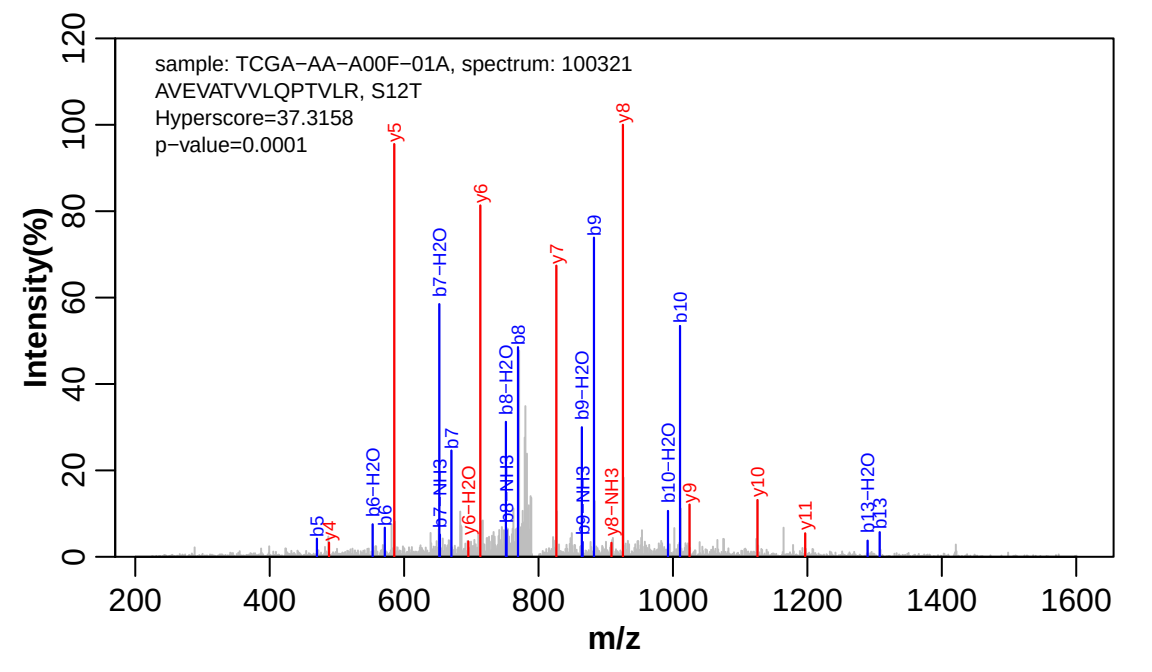

sample: TCGA−AA−A00F−01A, spectrum: 78745
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=66.7988
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

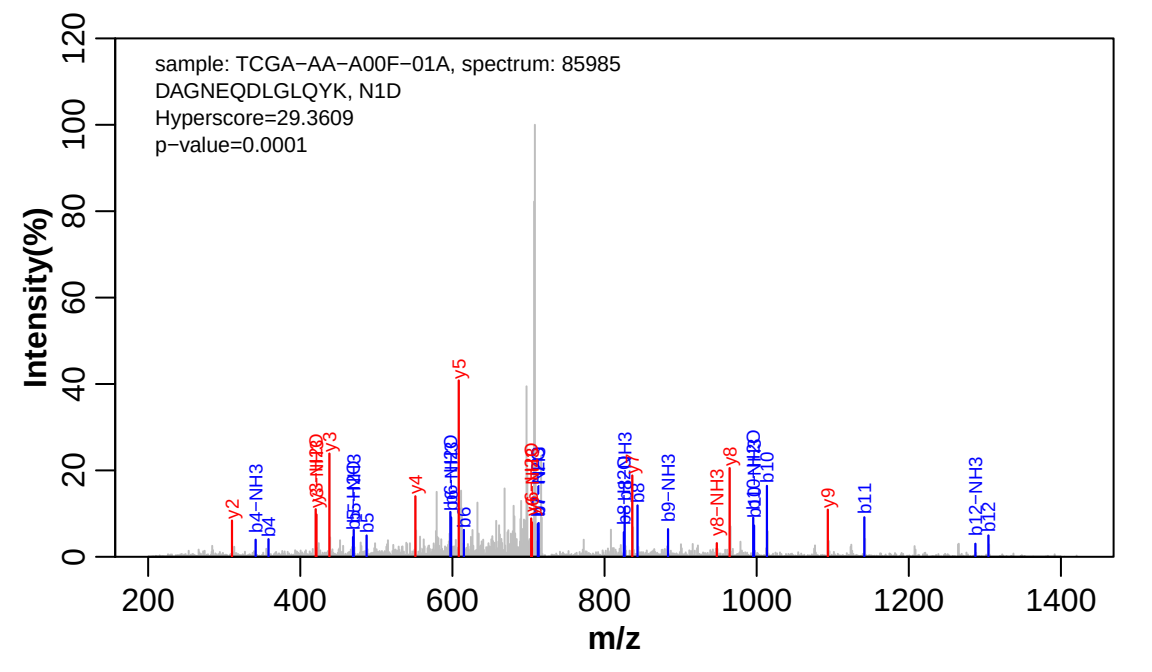

sample: TCGA−AA−A00F−01A, spectrum: 58906
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=21.9635
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
y11++−H2O
b7−H2O
b13−H2O
b13−NH3
y12++
y6−NH3
y13++
b8
b8−H2O
y14++
y15++
b5−H2O
y4
b18++
y10

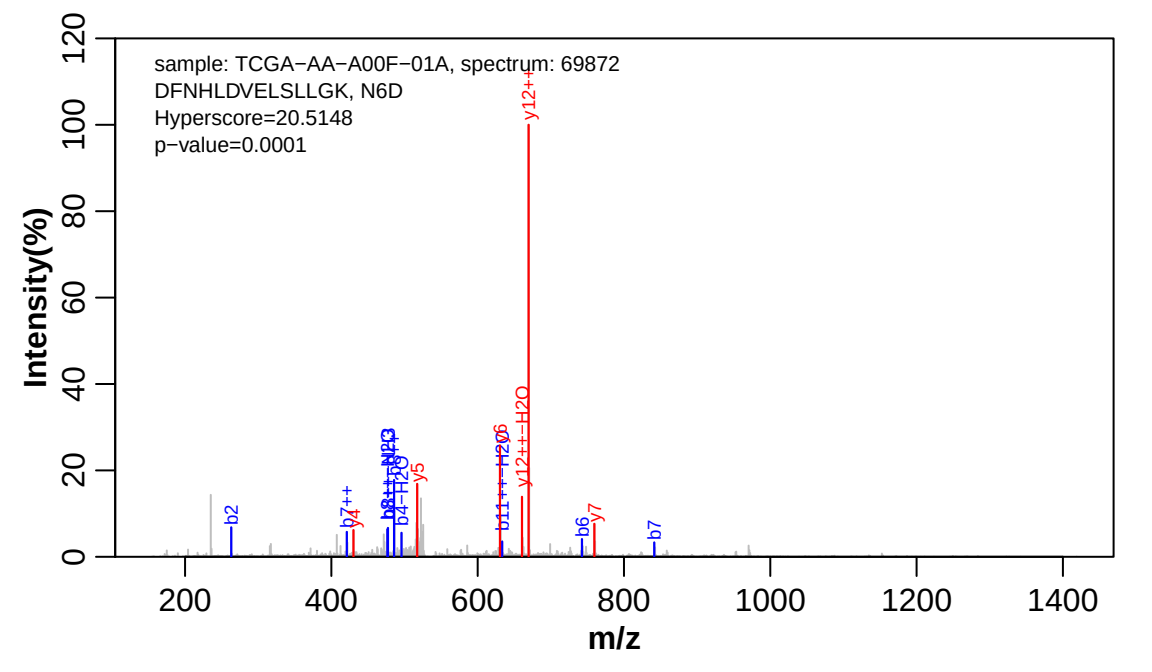

sample: TCGA−AA−A00F−01A, spectrum: 148028
ACNVLQSSHLEDYPFDAEY, N16D
Hyperscore=18.0947
p−value=0.0001
Intensity(%)
m/z
b6−NH3
y6−H2O
y6
y7
b10−NH3
b10
b11
b12
b13
y13
b15
b16

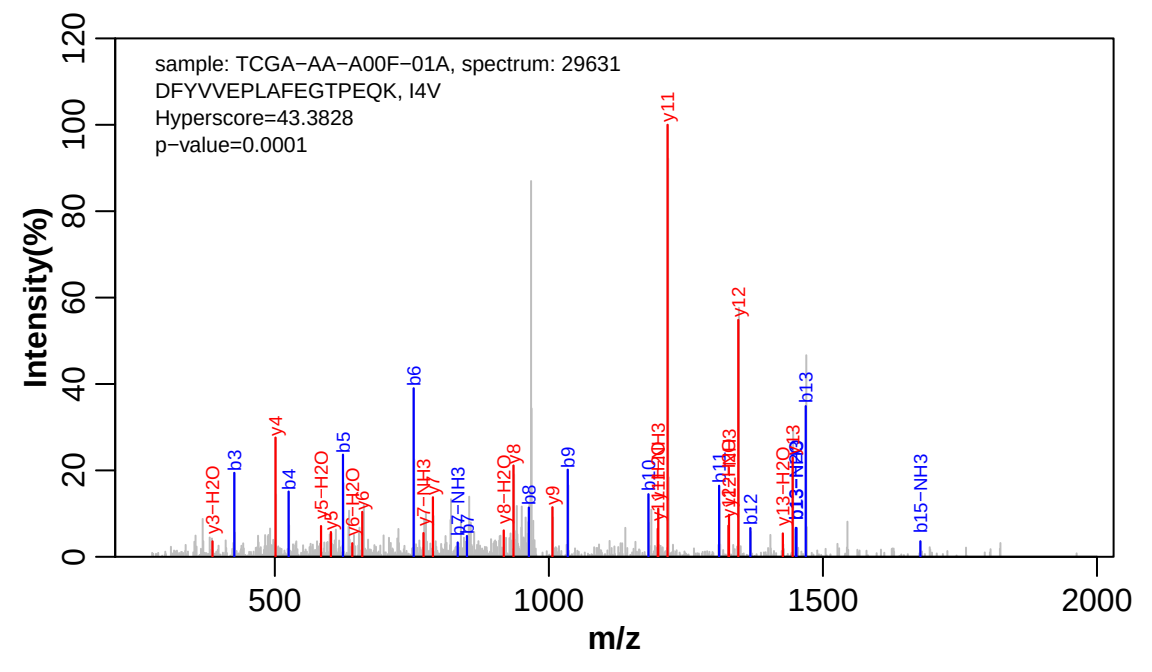

sample: TCGA−AA−A00F−01A, spectrum: 11632
AGVETTTPSK, K7T
Hyperscore=26.0865
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
b6−H2O
y5
b6
y6
b7
b7−NH3
b7−H2O
y7

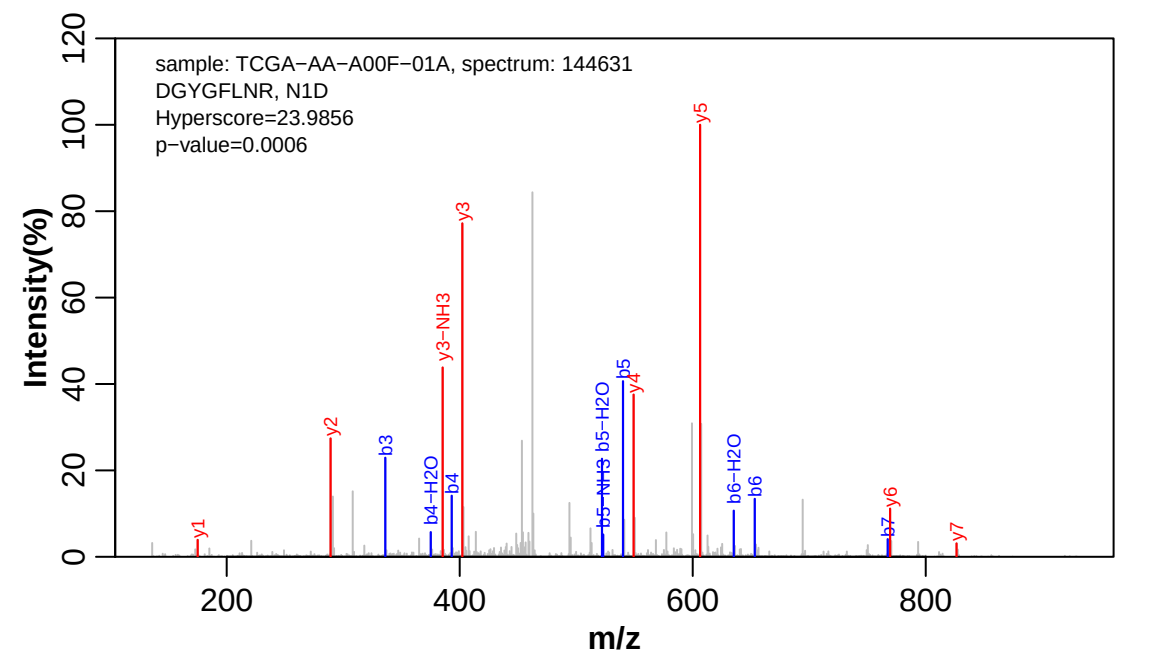

sample: TCGA−AA−A00F−01A, spectrum: 57686
APSQHLSSFDPCFYR, 5H
Hyperscore=33.7671
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b1++
y5++
y6++
b5−H2O
b5−NH3
y5
y5−H2O
y13++
y6
b9
b10
b6
y10++

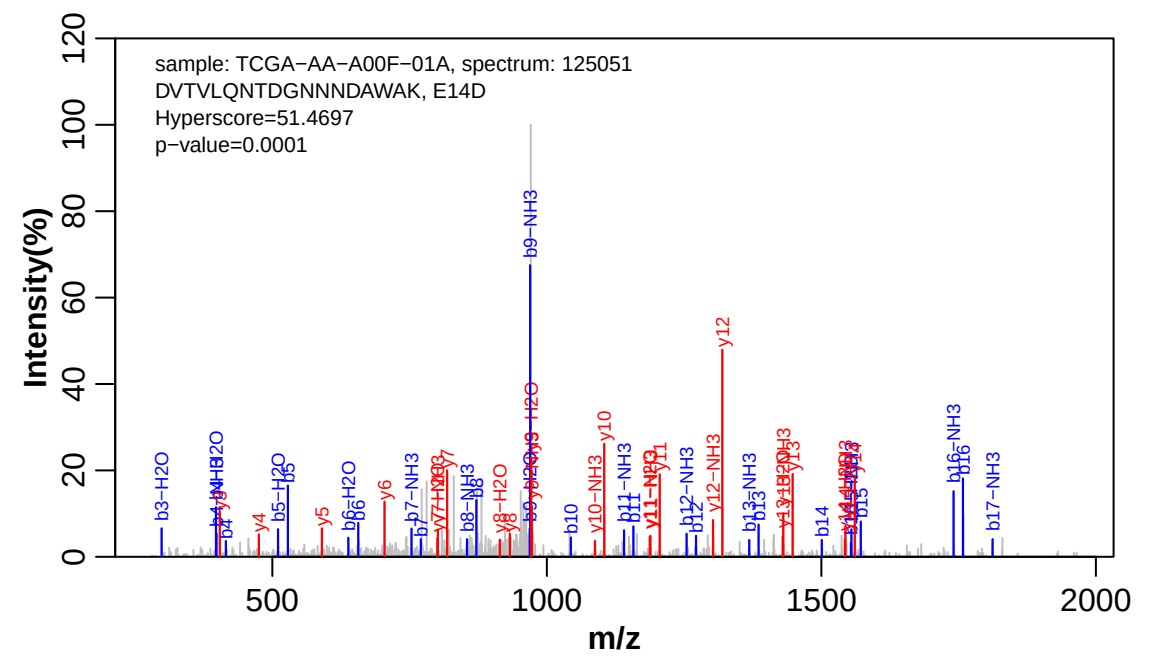

sample: TCGA−AA−A00F−01A, spectrum: 100321
AVEVATVVLQPTVLR, S12T
Hyperscore=37.3158
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y8
y6
b7−H2O
b9
y7
b10
b8
b8−H2O
b9−H2O
b7
b10−H2O
y9
y10
b13−H2O
y11
b13
b6−H2O
b7−NH3
b8−NH3
b9−NH3
y6−H2O
y8−NH3
b5
b6
y4

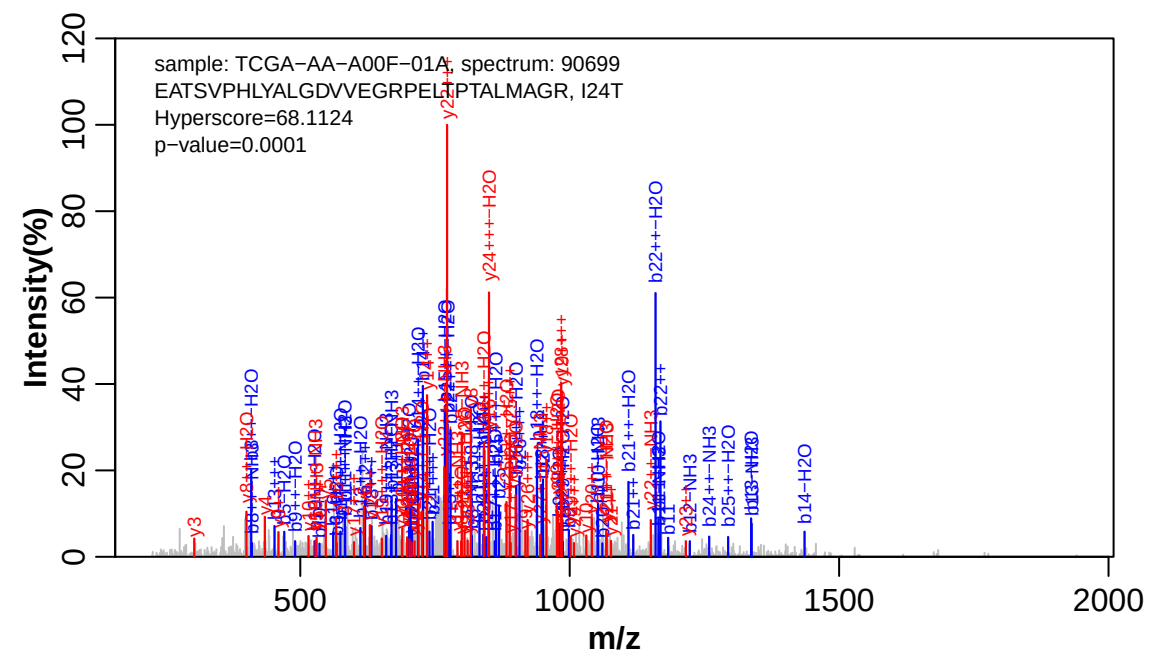

sample: TCGA−AA−A00F−01A, spectrum: 85985
DAGNEQDLGLQYK, N1D
Hyperscore=29.3609
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−NH3
b4
y3
y5
y4
b5
b6
b8
y7
b9−NH3
y8−NH3
y8
b10
y9
b11
b12−NH3
b12

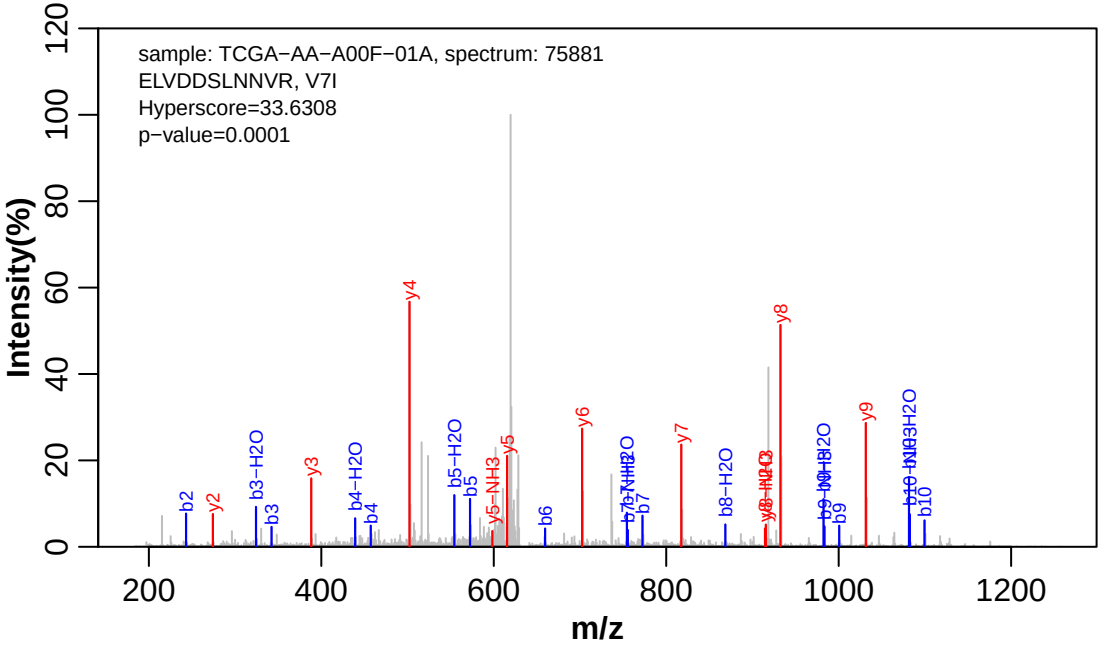

sample: TCGA−AA−A00F−01A, spectrum: 69872
DFNHLDVELSLLGK, N6D
Hyperscore=20.5148
p−value=0.0001
Intensity(%)
m/z
y12++
y12++−H2O
y5
b2
y4
b7++
b6
y7
b7
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

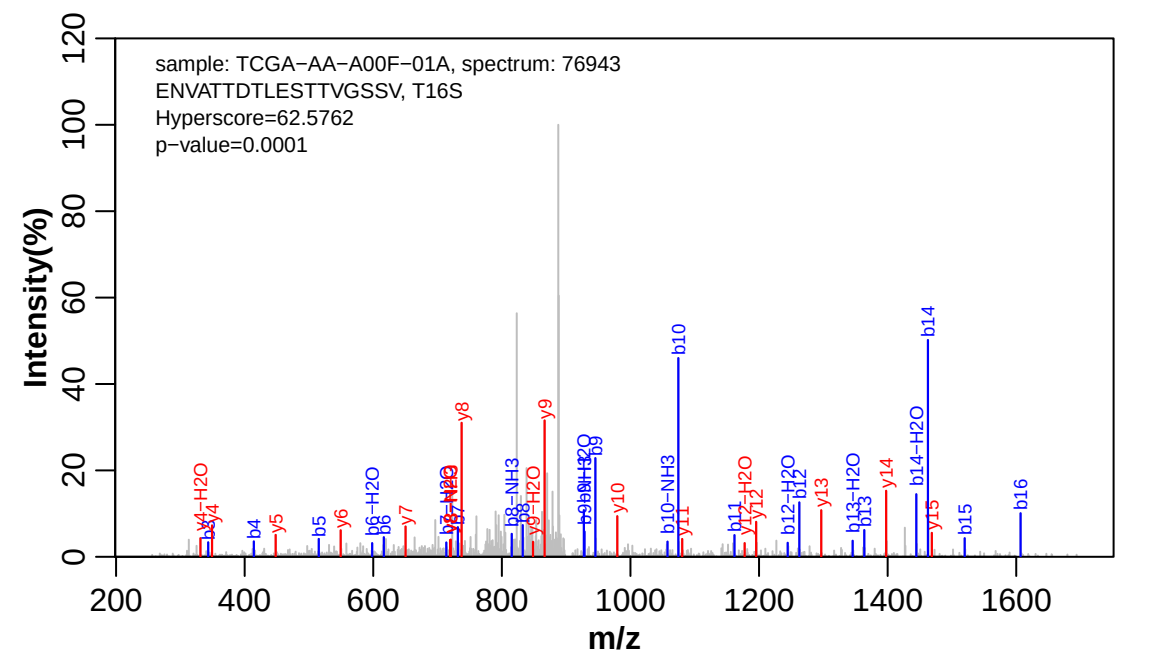

sample: TCGA−AA−A00F−01A, spectrum: 29631
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=43.3828
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y11
y12
y4
b6
b13
b3
b4
b5
b9
b12
b15−NH3
y3−H2O
y5−H2O
y6−H2O
y7−NH3
b7−NH3
y8−H2O
y8
b8
y9
b10
b11
y13−H2O
b13−NH3

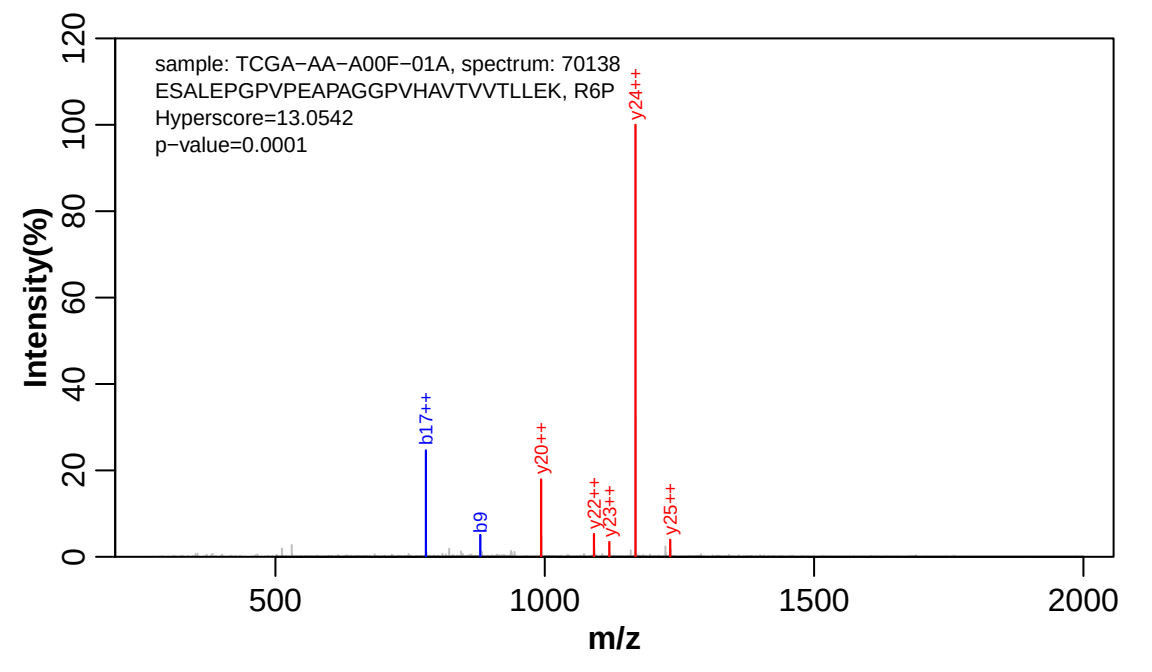

sample: TCGA−AA−A00F−01A, spectrum: 144631
DGYGFLNR, N1D
Hyperscore=23.9856
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6
y7

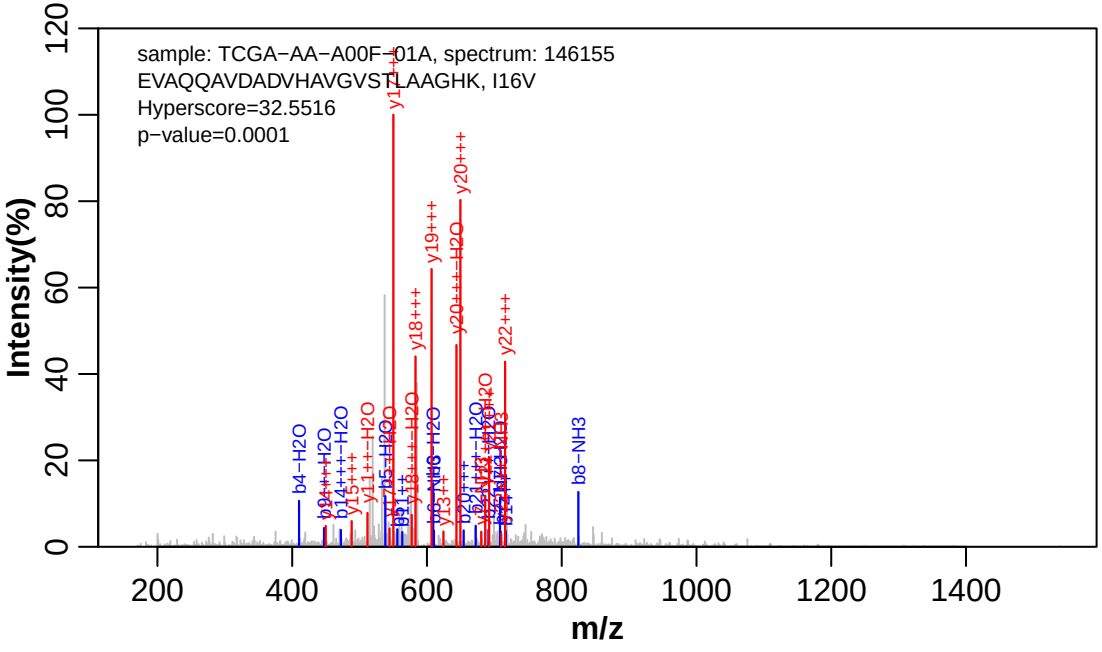

sample: TCGA−AA−A00F−01A, spectrum: 125051
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=51.4697
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b5−H2O
y4
y5
b6−H2O
y6
b7−NH3
b8−NH3
b9−NH3
b10
y10−NH3
y10
b11−NH3
y12
y12−NH3
b12−NH3
b13−NH3
b14
b16−NH3
b17−NH3

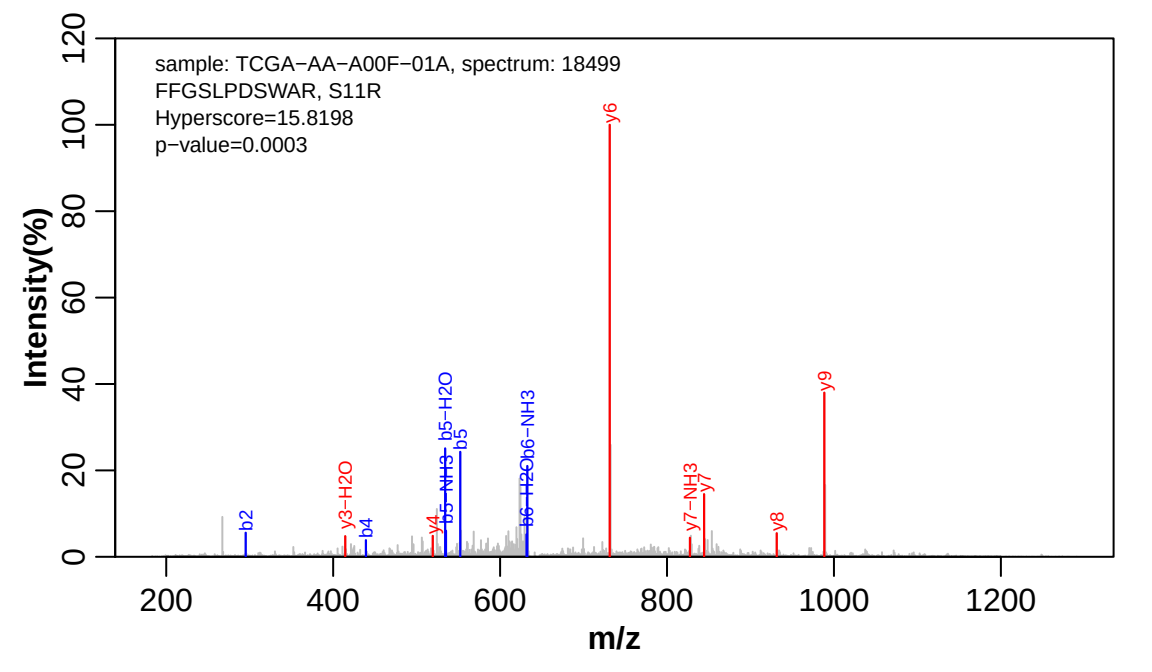

sample: TCGA−AA−A00F−01A, spectrum: 90699
EATSVPHLYALGDVVEGRPELPTALMAGR, I24T
Hyperscore=68.1124
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y24+++
y24+++−H2O
b22++−H2O
b21++−H2O
b24++−NH3
b25++−H2O
b14−H2O
y3

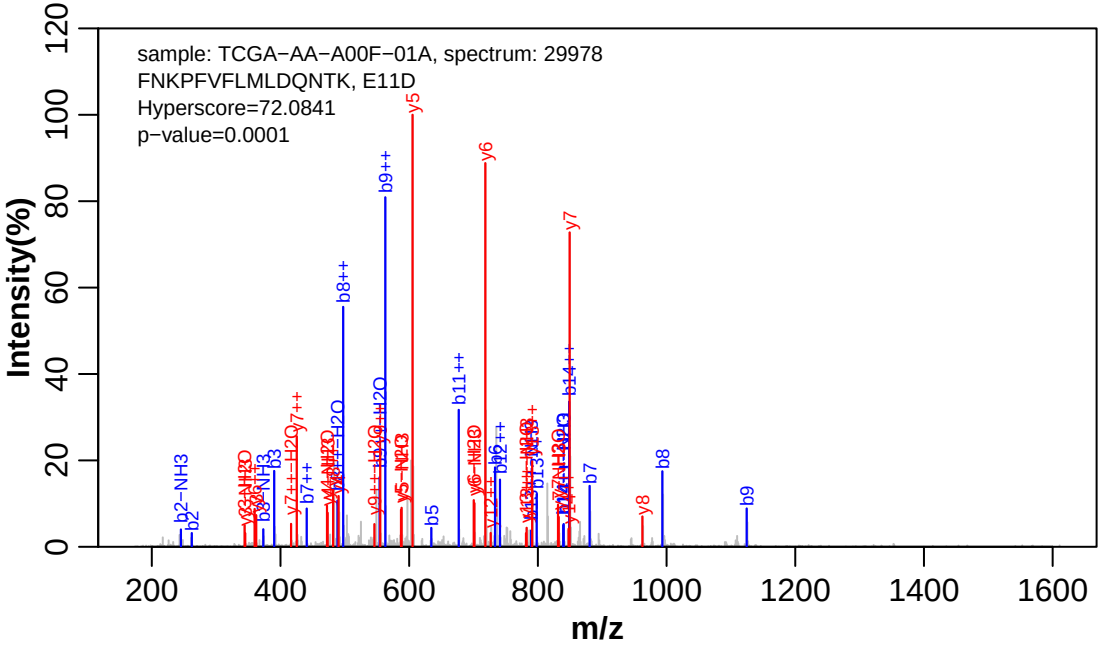

sample: TCGA−AA−A00F−01A, spectrum: 75881
ELVDDSLNNVR, V7I
Hyperscore=33.6308
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5−NH3
y5
b6
y6
b7
y7
b8−H2O
y8
y9
b9
b10
b10−H2O

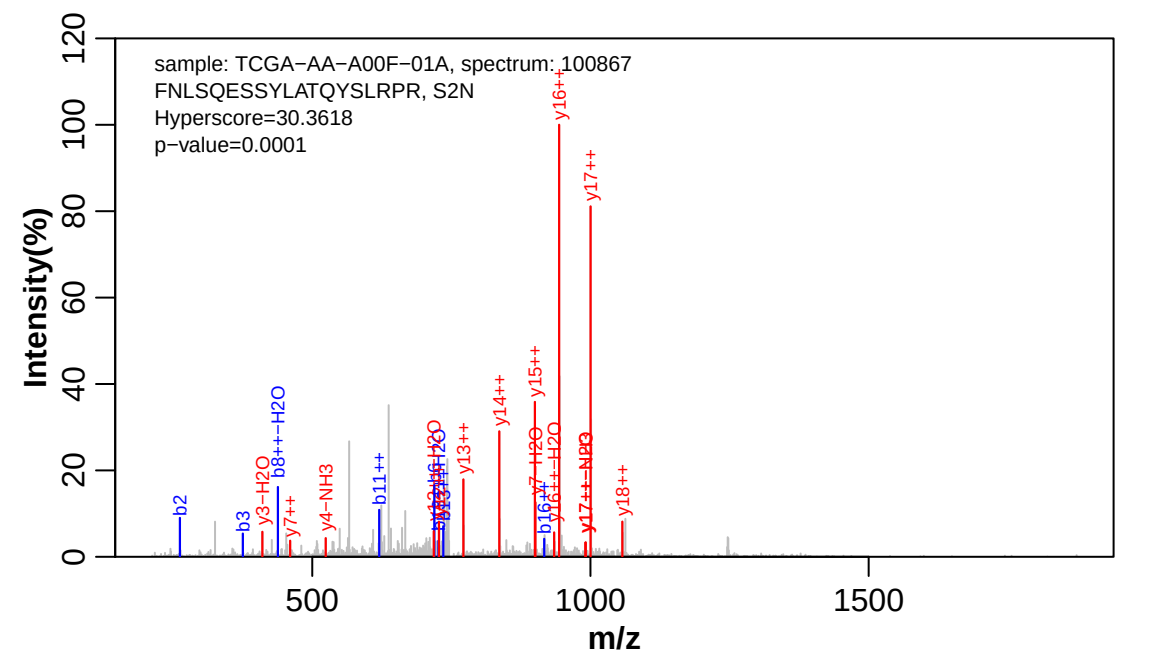

sample: TCGA−AA−A00F−01A, spectrum: 76943
ENVATTDTLESTTVGSSV, T16S
Hyperscore=62.5762
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4−H2O
b4
y4
y5
b5
y6
b6−H2O
b6
y7
y8
b8−NH3
b8
y9−H2O
y9
b9−H2O
b9
y10
b10
b10−NH3
y11
b11
y12−H2O
y12
b12−H2O
b12
y13
b13−H2O
b13
y14
b14
b14−H2O
y15
b15
b16

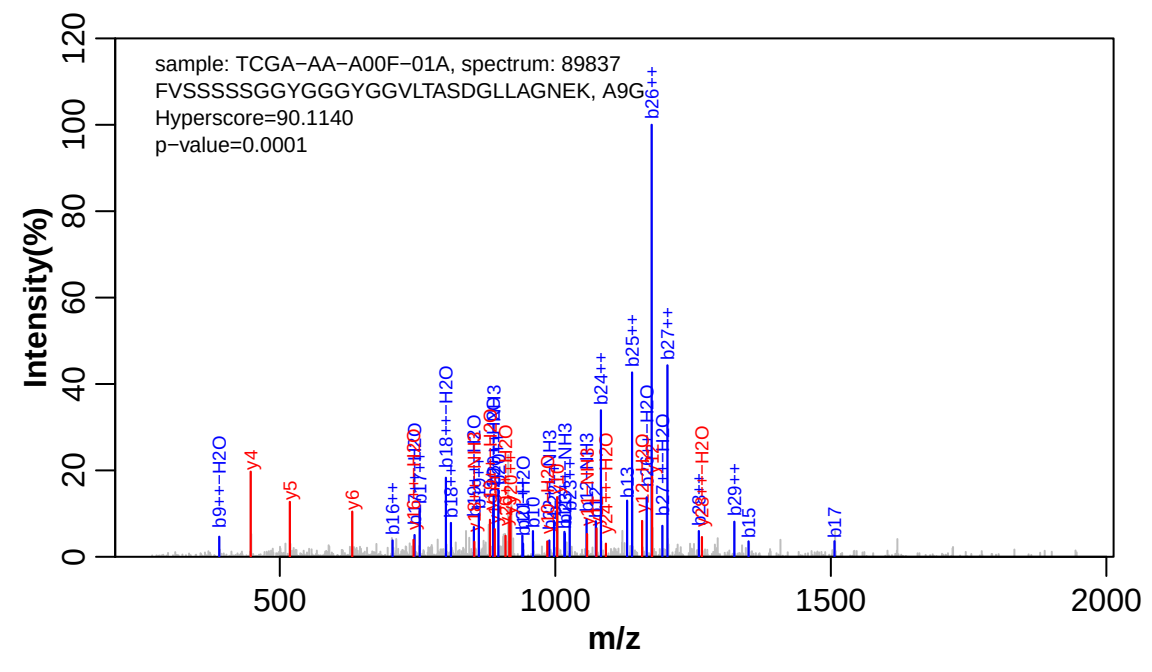

sample: TCGA−AA−A00F−01A, spectrum: 70138
ESALEPGPVPEAPAGGPVHAVTVVTLLEK, R6P
Hyperscore=13.0542
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b17++
b9
y20++
y22++
y23++
y24++
y25++

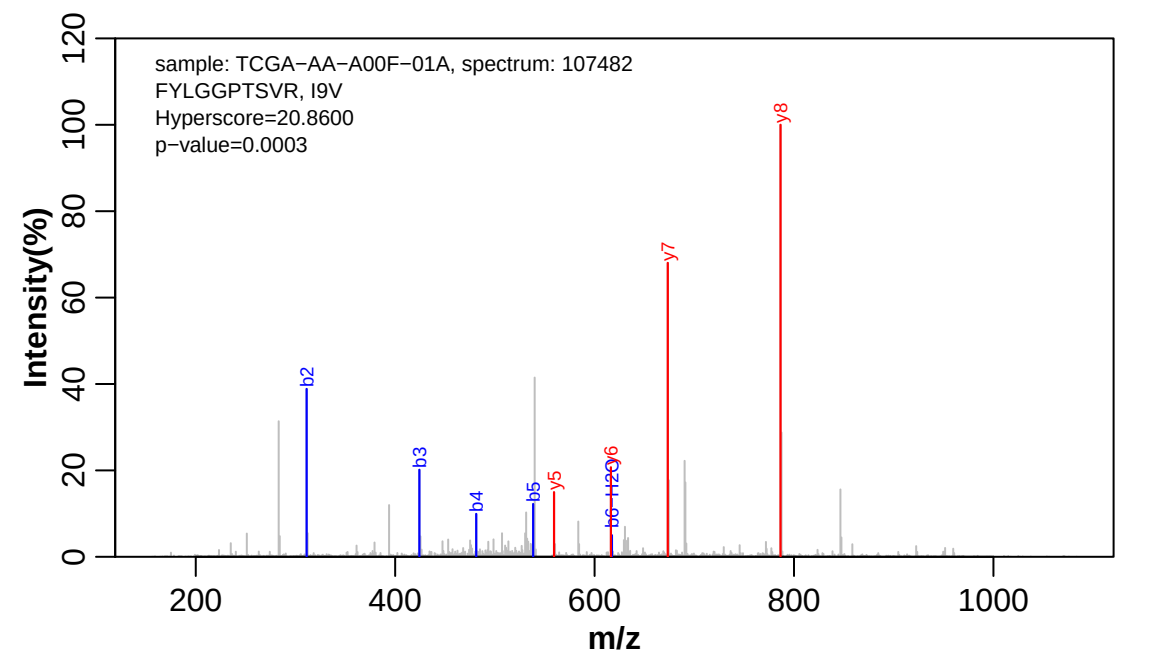

sample: TCGA−AA−A00F−01A, spectrum: 146155
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=32.5516
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y11++
y20+++
y19+++
y18+++
y20+++−H2O
y22+++
b4−H2O
b8−NH3

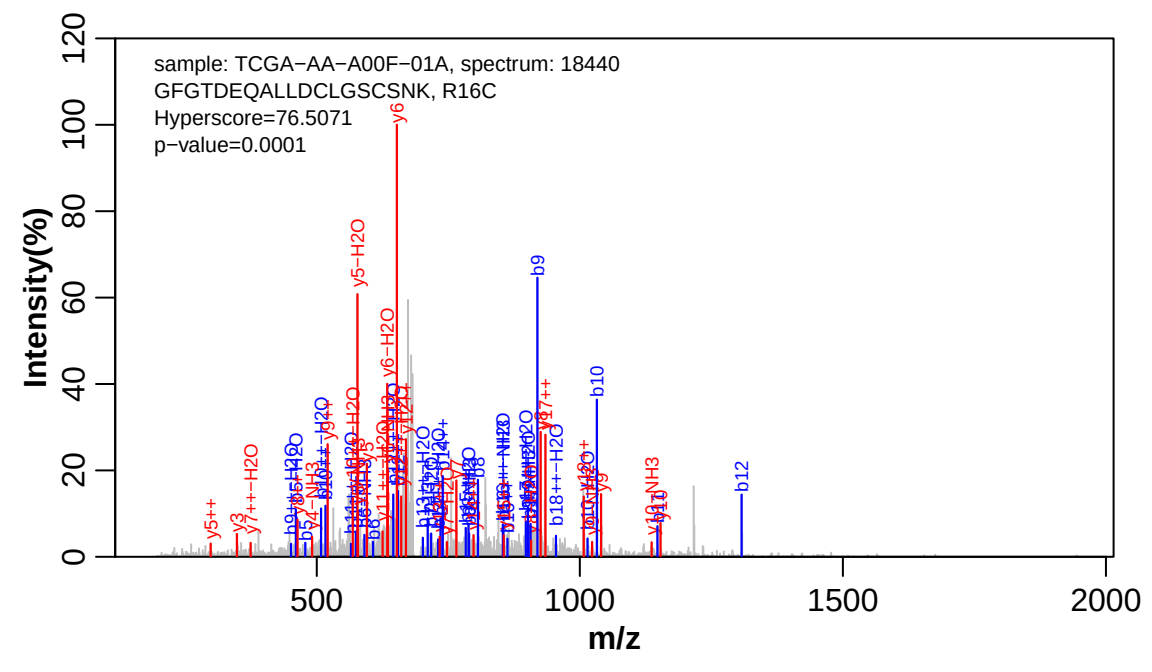

sample: TCGA−AA−A00F−01A, spectrum: 18499
FFGSLPDSWAR, S11R
Hyperscore=15.8198
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3−H2O
b4
y4
b5−NH3
b5−H2O
b5
b6−H2O
b6−NH3
y6
y7−NH3
y7
y8
y9

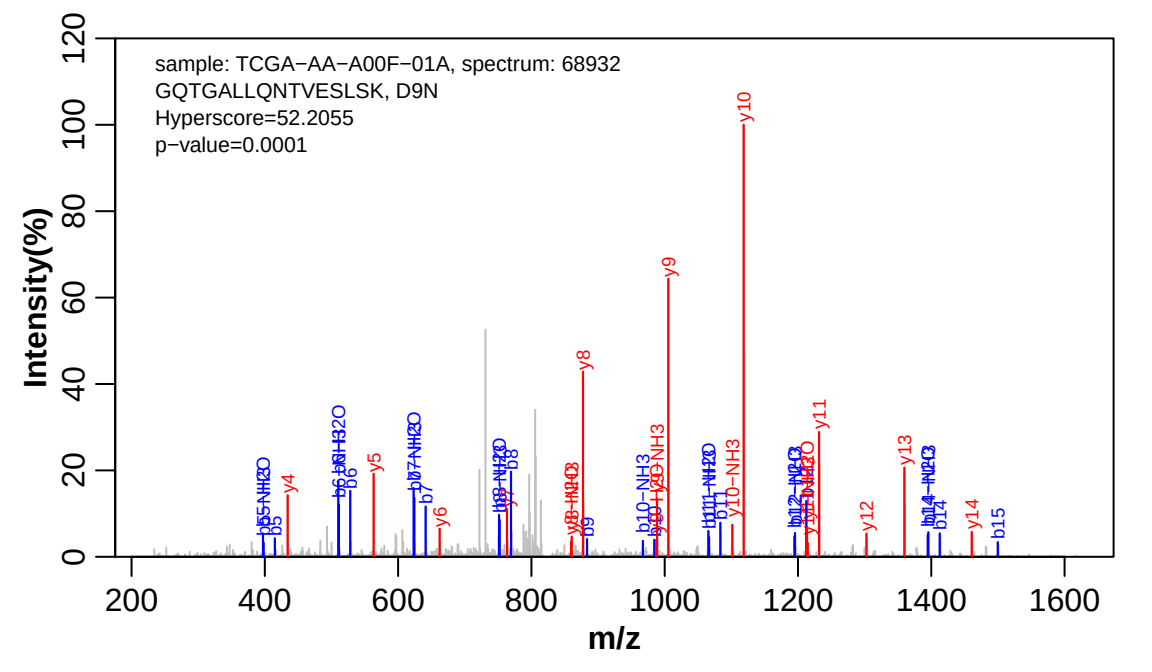

sample: TCGA−AA−A00F−01A, spectrum: 29978
FNKPFVFLMLDQNTK, E11D
Hyperscore=72.0841
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
b9++
b8++
b11++
b14++
b2−NH3
b2
b7++
b5
b7
b8
y8
b9

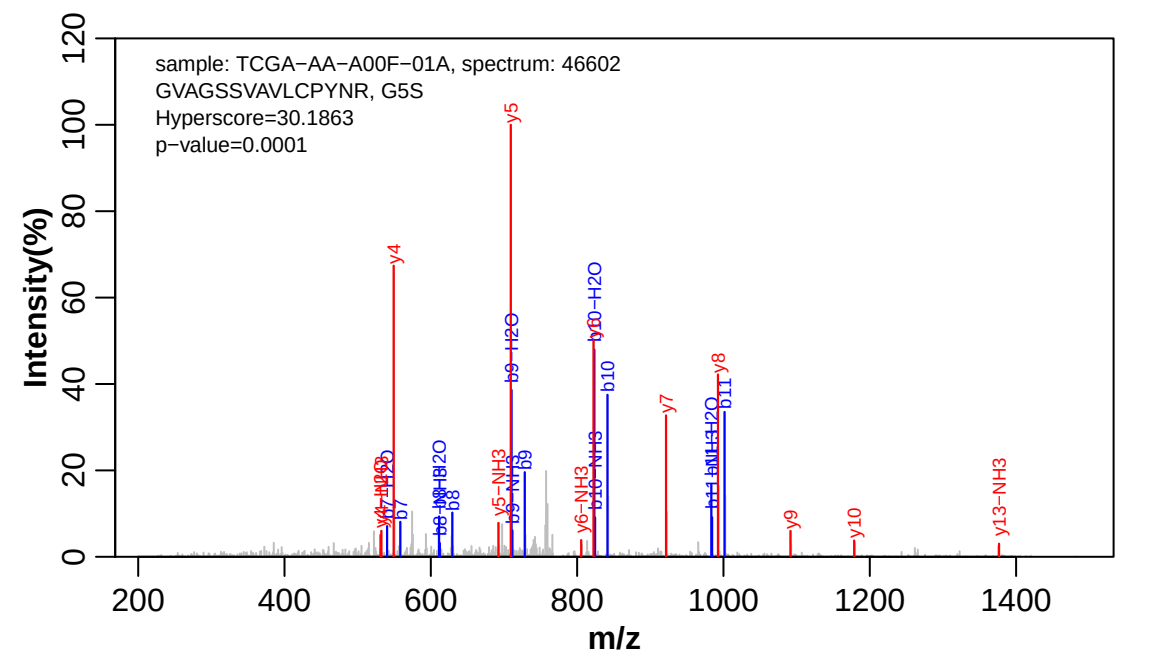

sample: TCGA−AA−A00F−01A, spectrum: 100867
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=30.3618
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
y3−H2O
b8++−H2O
y7++
y4−NH3
b11++
y13++
y14++
y15++
y16++
y17++
y18++

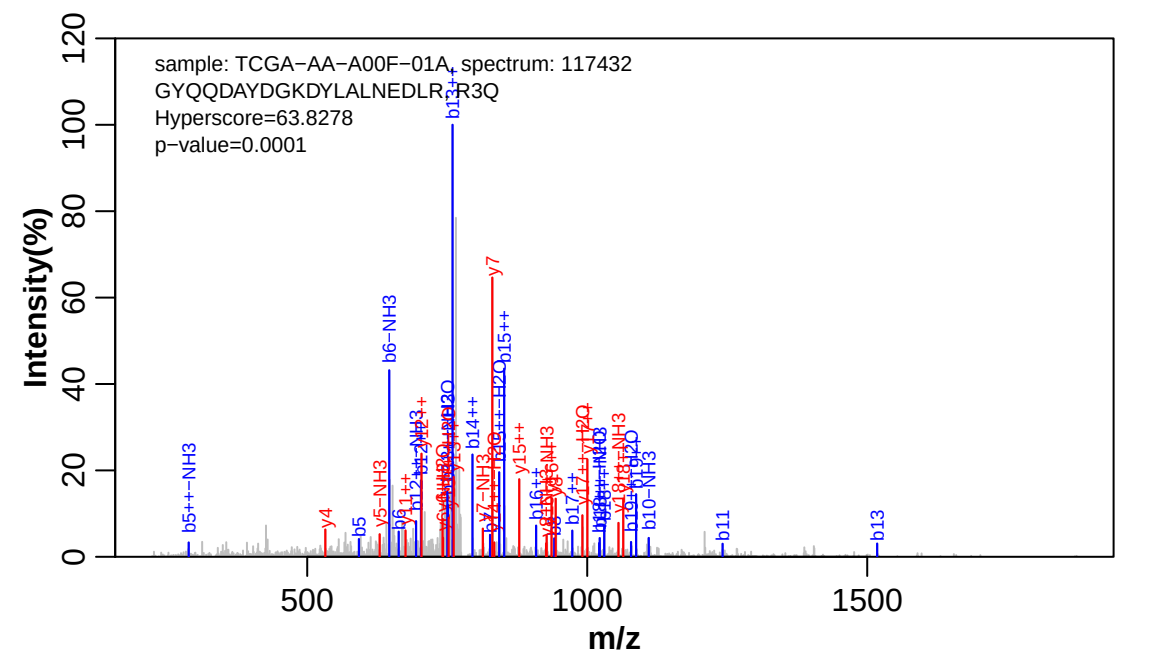

sample: TCGA−AA−A00F−01A, spectrum: 89837
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=90.1140
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−H2O
y4
y5
y6
b16++
b18++−H2O
b24++
b25++
b26++
b27++
b28++−H2O
b29++
b15
b17
b13

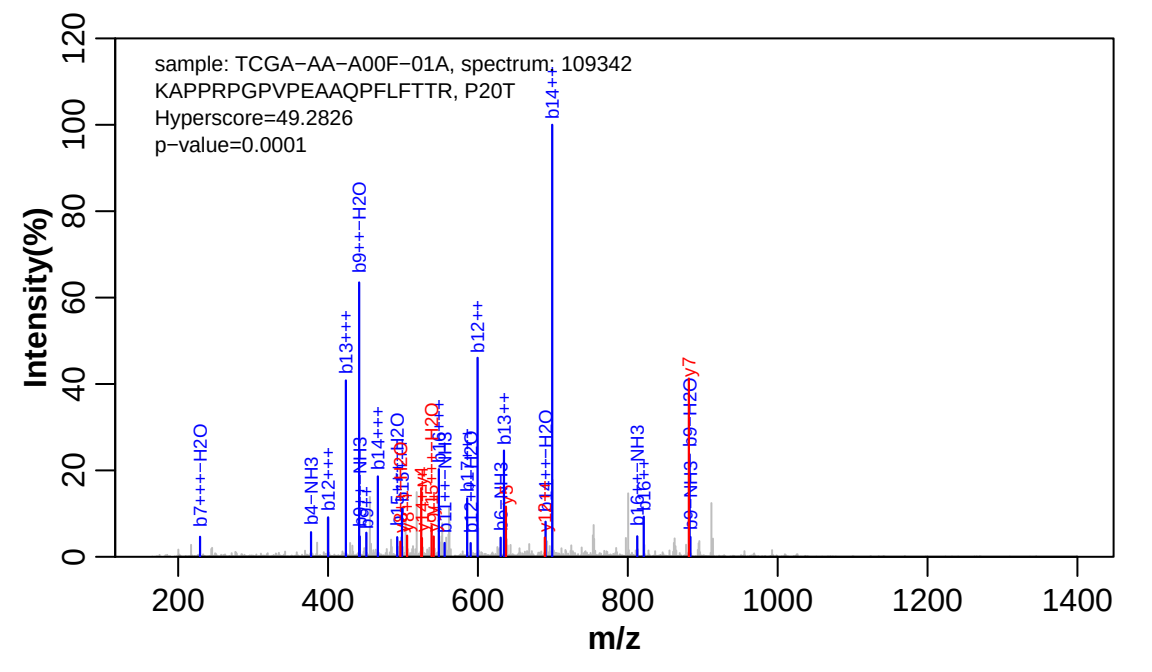

sample: TCGA−AA−A00F−01A, spectrum: 107482
FYLGGPTSVR, I9V
Hyperscore=20.8600
p−value=0.0003
Intensity(%)
m/z
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8

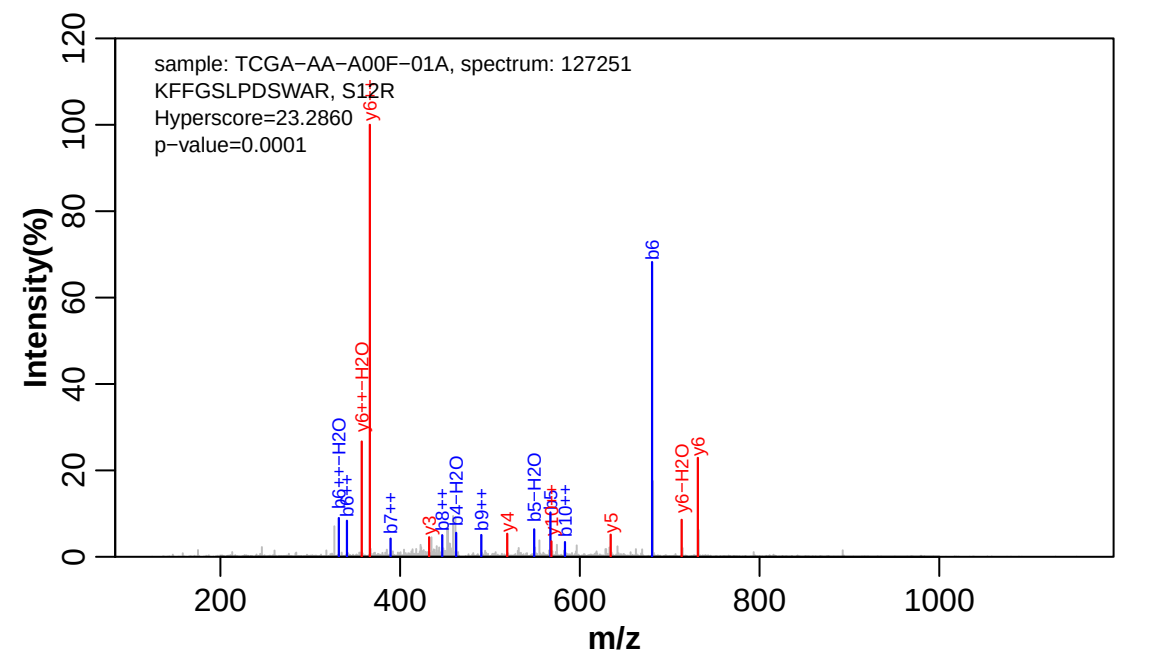

sample: TCGA−AA−A00F−01A, spectrum: 18440
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=76.5071
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6
y5−H2O
y6−H2O
b9
b10
b12
y5++
y3
y7++−H2O
b18++−H2O
y10−NH3

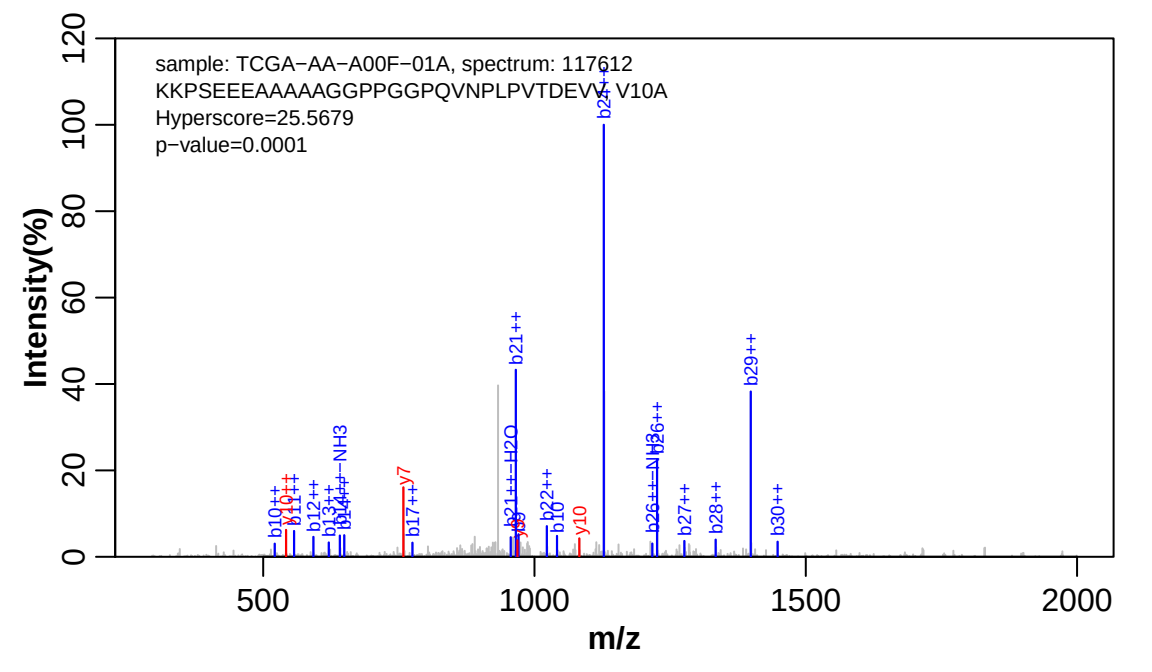

sample: TCGA−AA−A00F−01A, spectrum: 68932
GQTGALLQNTVESLSK, D9N
Hyperscore=52.2055
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y12
y14
b15
y4
y5
y6
b5
b6
b7
b8
b9
b10−NH3
y10−NH3

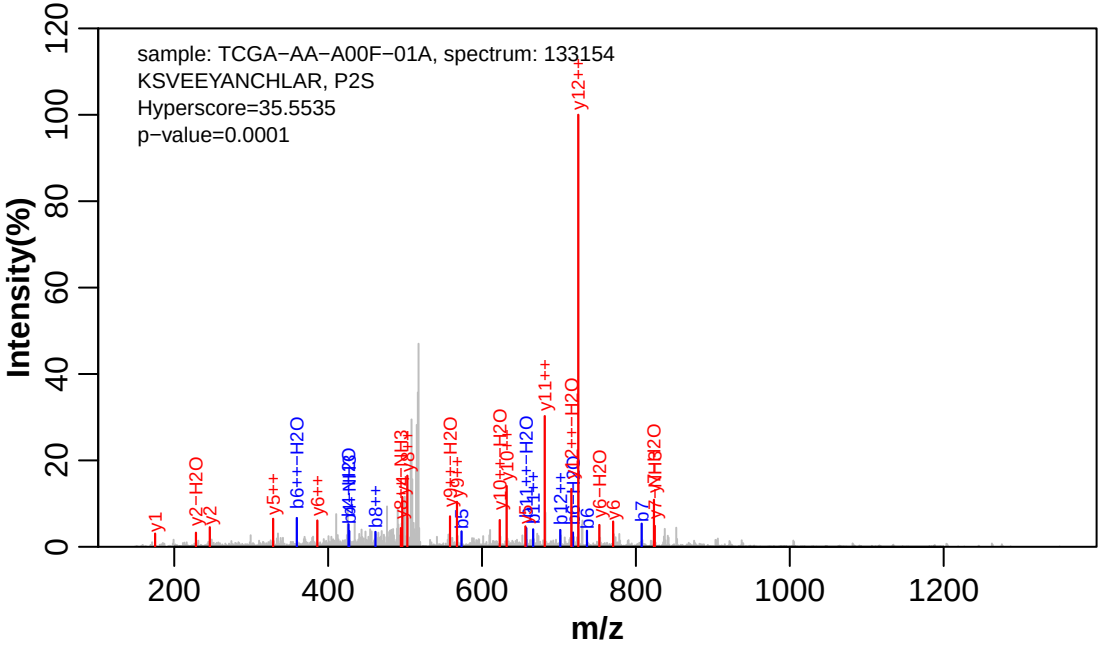

sample: TCGA−AA−A00F−01A, spectrum: 46602
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.1863
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y4
y5−H2O
b9−H2O
y10−H2O
b10
y8
y7
b11−H2O
y5−NH3
b9−NH3
b9
y6−NH3
b10−NH3
y9
y10
y13−NH3
b7
b8

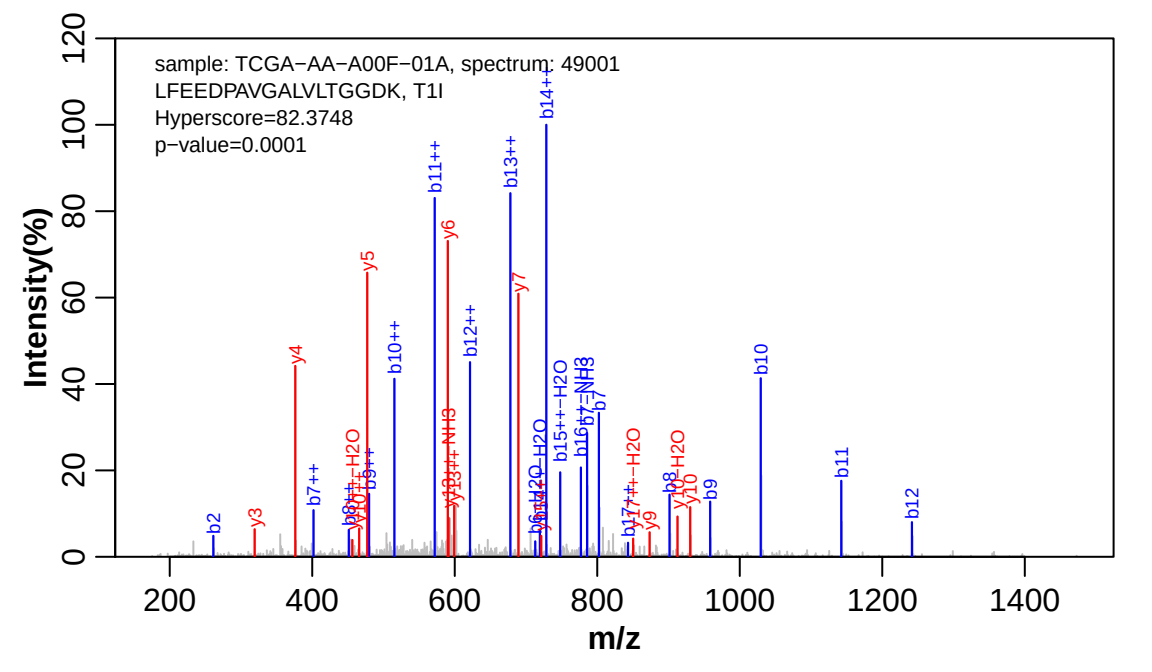

sample: TCGA−AA−A00F−01A, spectrum: 117432
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=63.8278
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b13++
y7
b6−NH3
b15++
y15++
b14++
b5++−NH3
y4
b5
y5−NH3
b6
y11+
b11
b13

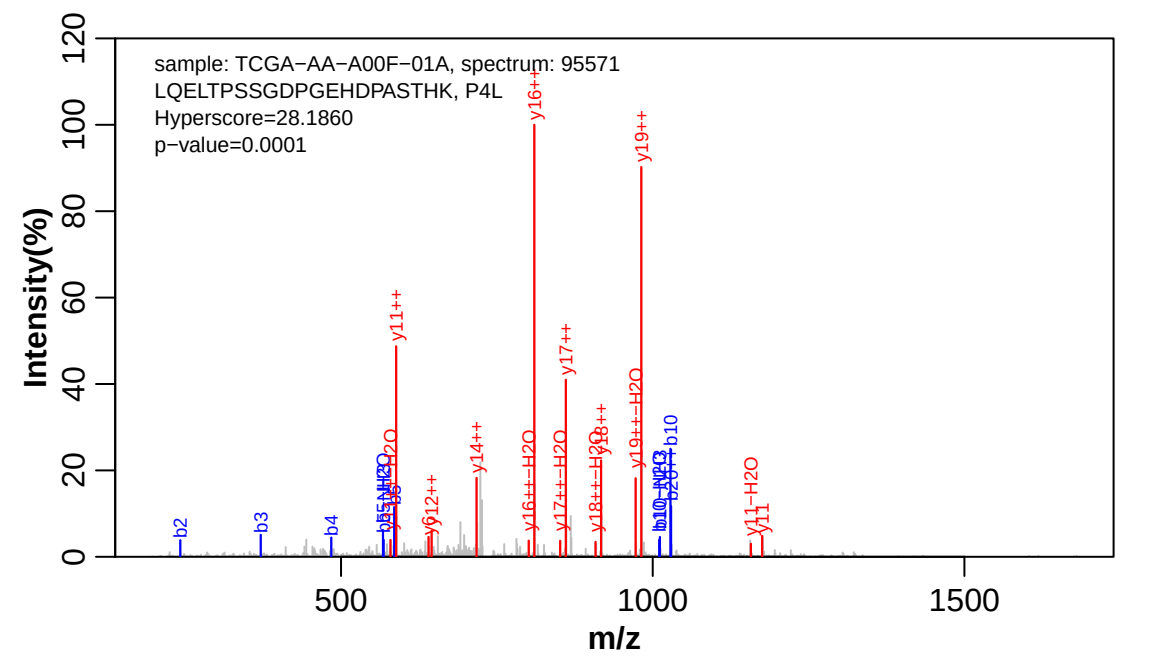

sample: TCGA−AA−A00F−01A, spectrum: 109342
KAPPRPGPVPEAAQPFLFTTR, P20T
Hyperscore=49.2826
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b7+++−H2O
b4−NH3
b12+++
b13+++
b9++−H2O
b14+++
b12++
b14++
b14++−H2O
b13++
b6−NH3
y3
b16++−NH3
b9−NH3
b9−H2O
y7

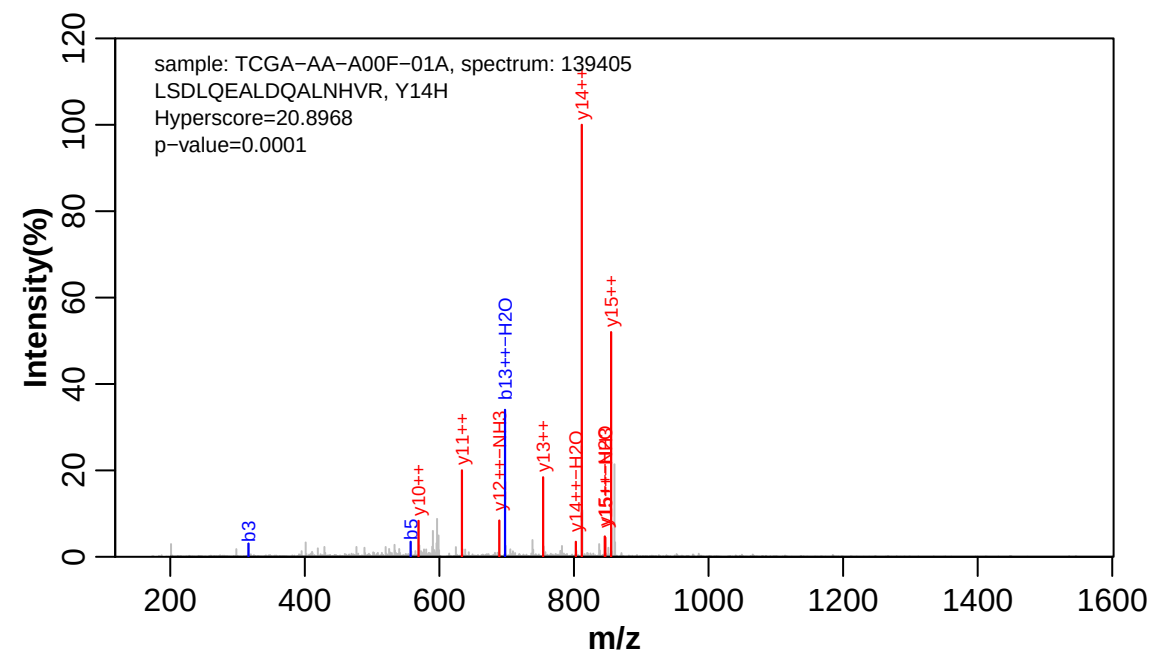

sample: TCGA−AA−A00F−01A, spectrum: 127251
KFFGSLPDSWAR, S12R
Hyperscore=23.2860
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y6++
y6++−H2O
b6++−H2O
b6++
b8++
b7++
y3
b8++
b4−H2O
b9++
y4
b5−H2O
y11++
b10++
y5
b6
y6−H2O
y6

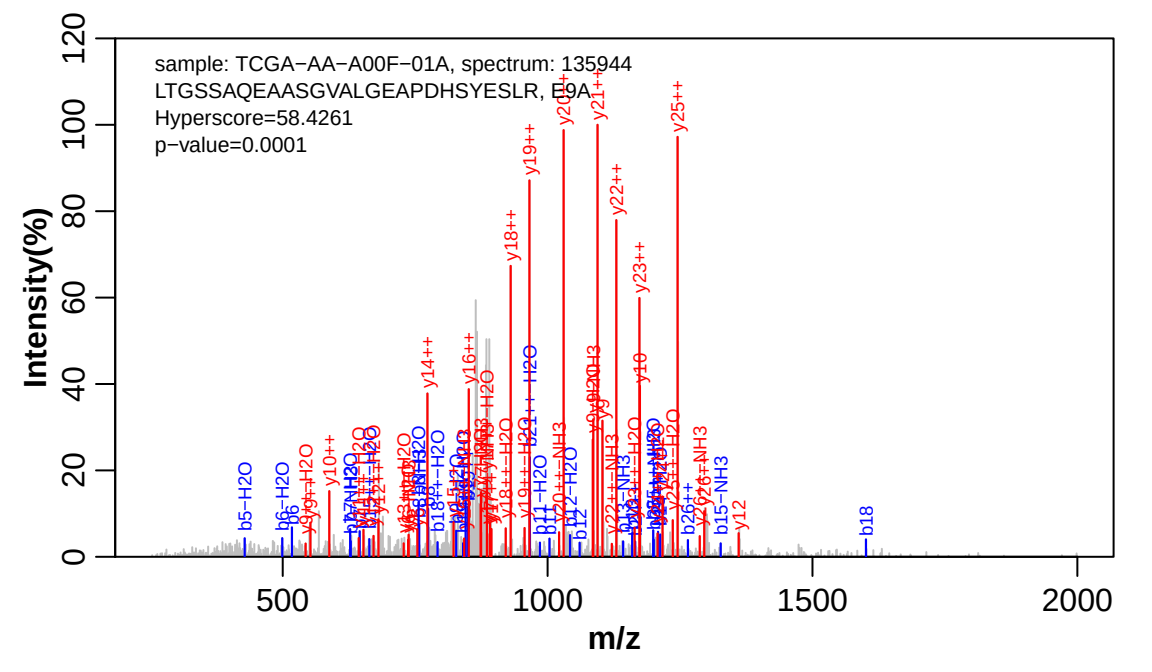

sample: TCGA−AA−A00F−01A, spectrum: 117612
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=25.5679
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b10++
y10++
b11++
b12++
b13++
b14++−NH3
y7
b17++
b21++
b21++−H2O
b22++
b10
y10
b24++
b26++−NH3
b26++
b27++
b28++
b29++
b30++

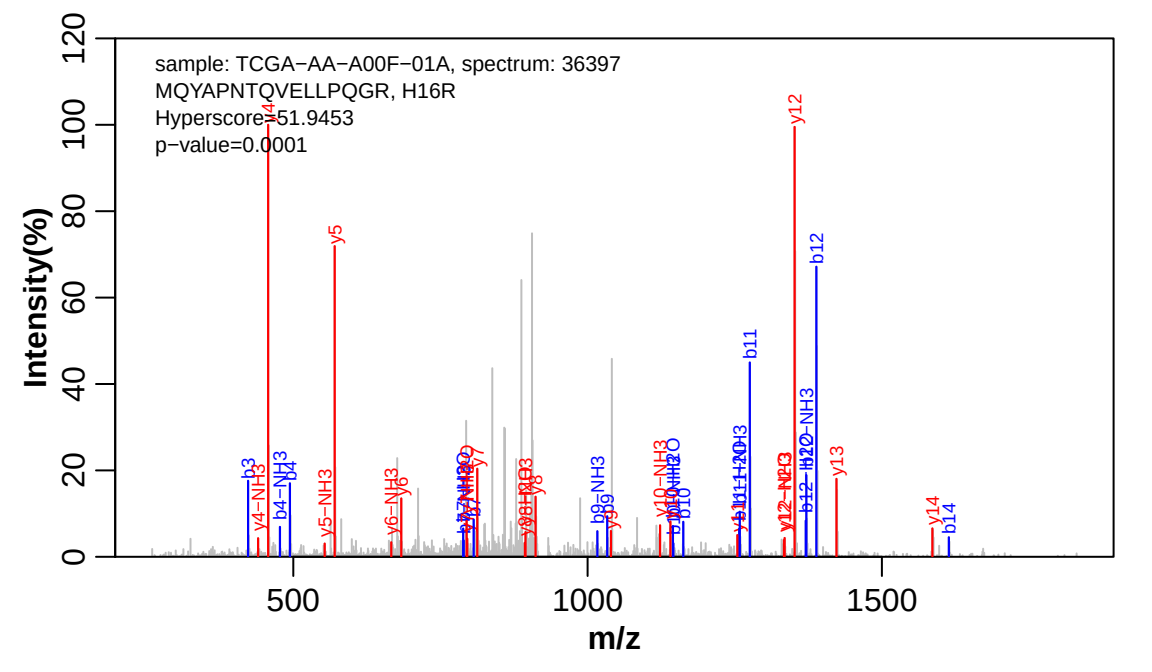

sample: TCGA−AA−A00F−01A, spectrum: 133154
KSVEEYANCHLAR, P2S
Hyperscore=35.5535
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
y2−H2O
y2
y5++
b6++−H2O
y6++
b4++−H2O
b8++
y8++−NH3
y8++
y9++−H2O
b5
y10++−H2O
y10++
y11++−H2O
y11++
b12++
b6
y6−H2O
y6
b7
y7++−NH3
y7++−H2O
y12++

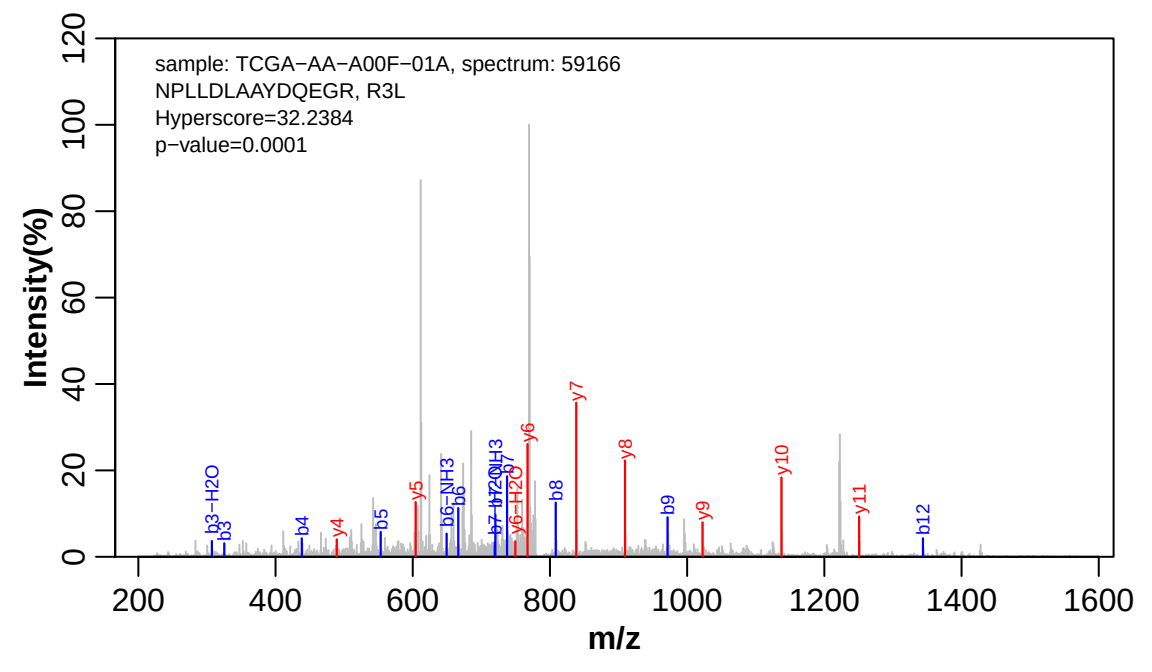

sample: TCGA−AA−A00F−01A, spectrum: 49001
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=82.3748
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
y5
b10++
b11++
y6
b12++
b13++
y7
b14++
b15++−H2O
b16++−NH3
b7
b17++−H2O
y9
b8
y10
b9
b10
b11
b12

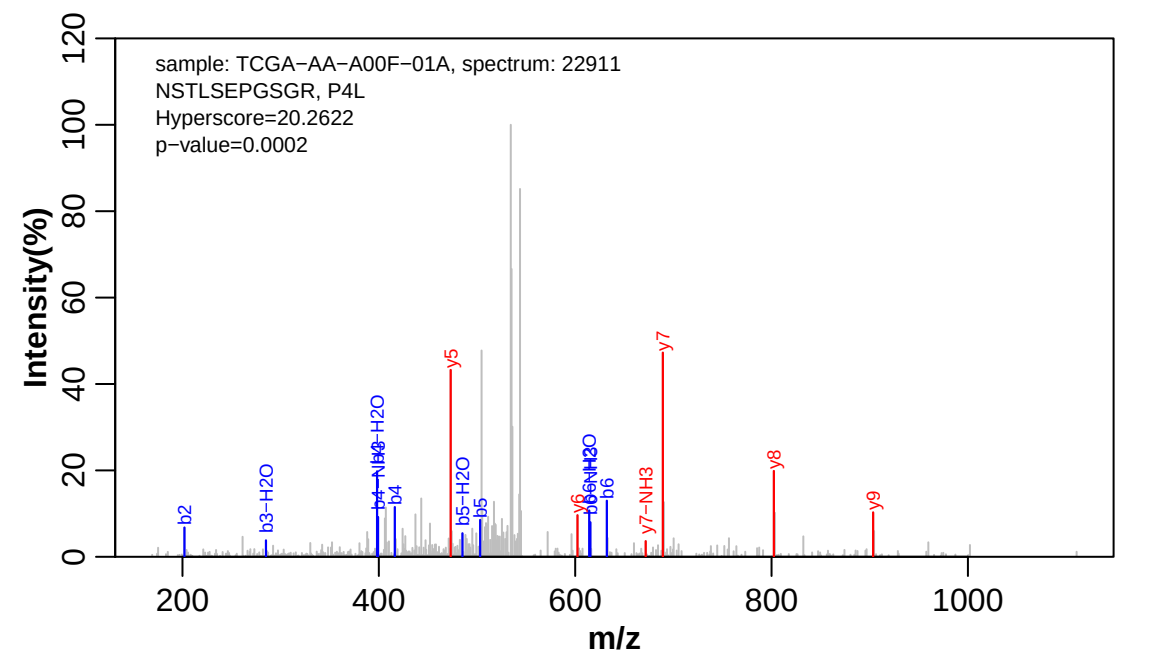

sample: TCGA−AA−A00F−01A, spectrum: 95571
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=28.1860
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b4
y11++
y12++
y14++
y16++−H2O
y16++
y17++−H2O
y17++
y18++−H2O
y18++
y19++−H2O
y19++
b10
y11−H2O
y11

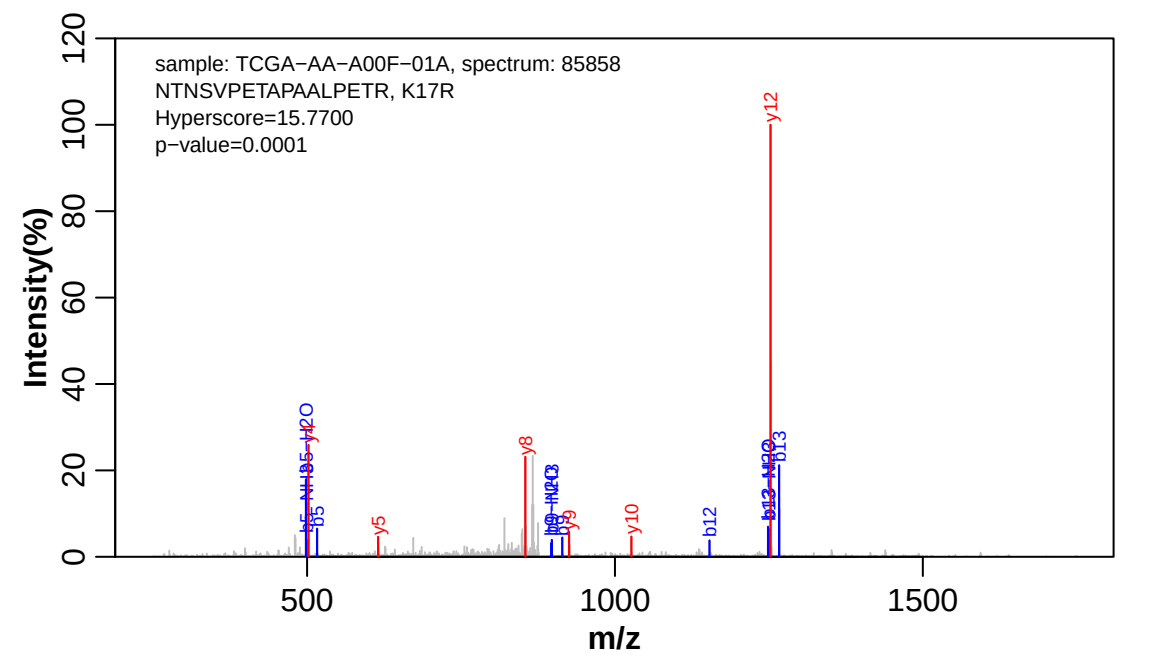

sample: TCGA−AA−A00F−01A, spectrum: 139405
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.8968
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b5
y10++
y11++
y12++−NH3
b13++−H2O
y13++
y14++−H2O
y14++
y15++−NH3
y15++

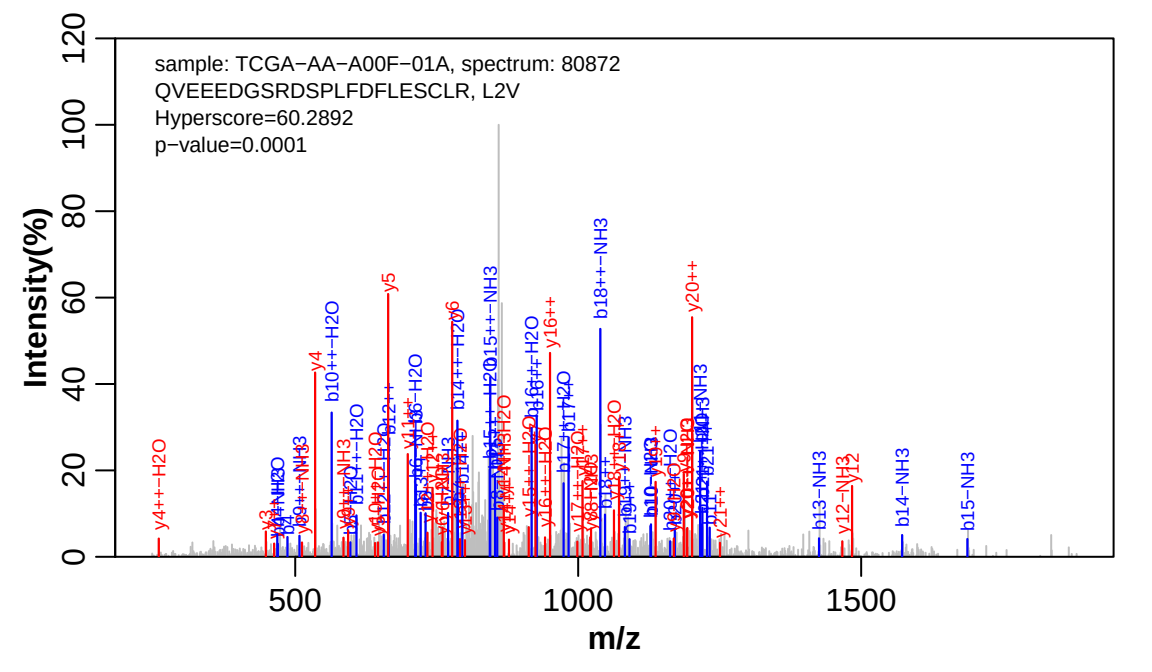

sample: TCGA−AA−A00F−01A, spectrum: 135944
LTGSSAQEAASGVALGEAPDHSYESLR, E9A
Hyperscore=58.4261
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5−H2O
b6−H2O
y9+−H2O
y10++
y14++
y16++
y18++
y19++
y20++
y21++
y22++
y23++
y25++
b11−H2O
b12−H2O
b12
y22++−NH3
y26+−NH3
b15−NH3
y12
b18

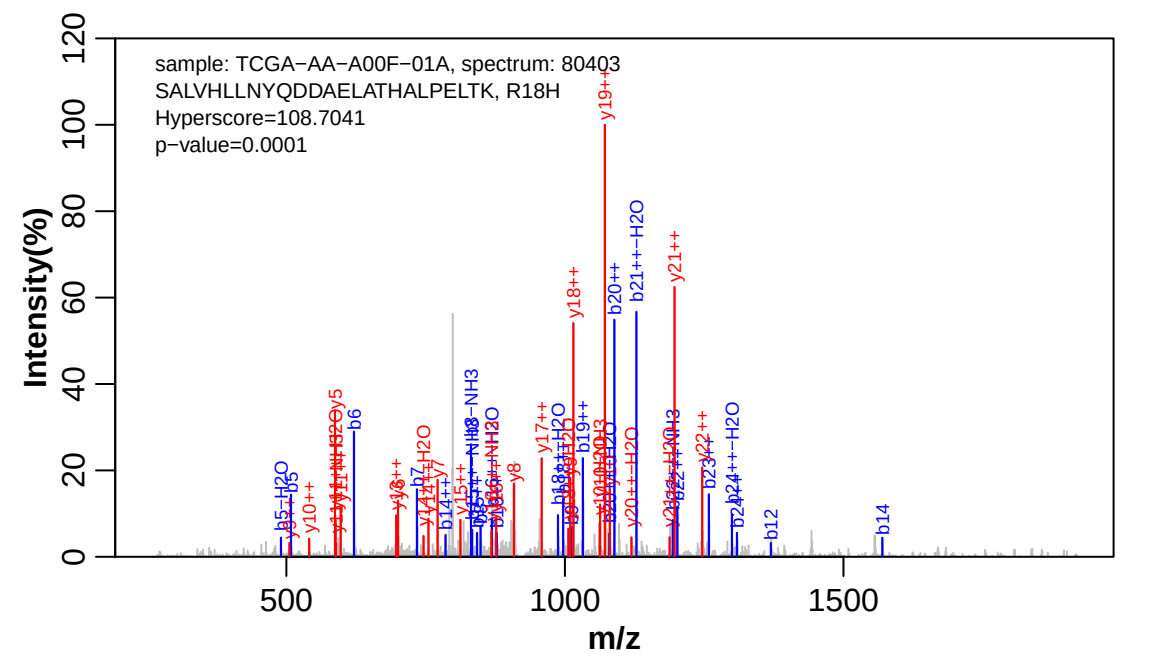

sample: TCGA−AA−A00F−01A, spectrum: 36397
MQYAPNTQVELLPQGR, H16R
Hyperscore=51.9453
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y12
b12
b11
y13
y14
b14
y4−NH3
b4−NH3
y5−NH3
y6−NH3
y10−NH3
b12−NH3
y12−NH3

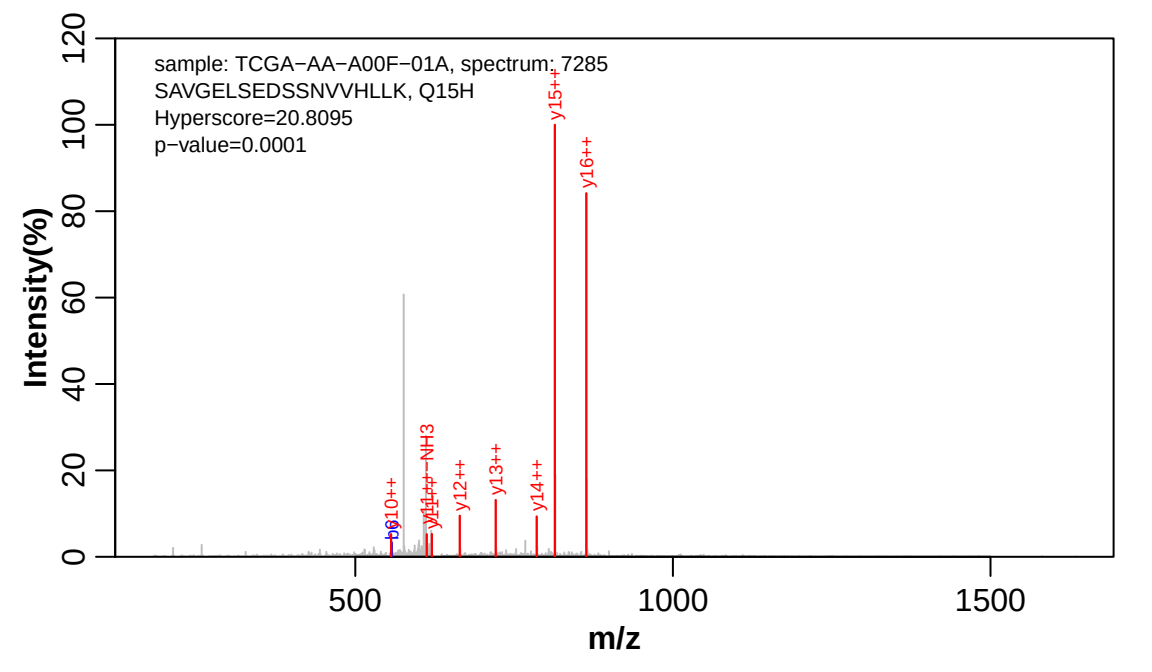

sample: TCGA−AA−A00F−01A, spectrum: 59166
NPLLDLAAYDQEGR, R3L
Hyperscore=32.2384
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
b4
y4
b5
y5
b6−NH3
b6
y6
y6−H2O
b8
y7
y8
b9
y9
y10
y11
b12

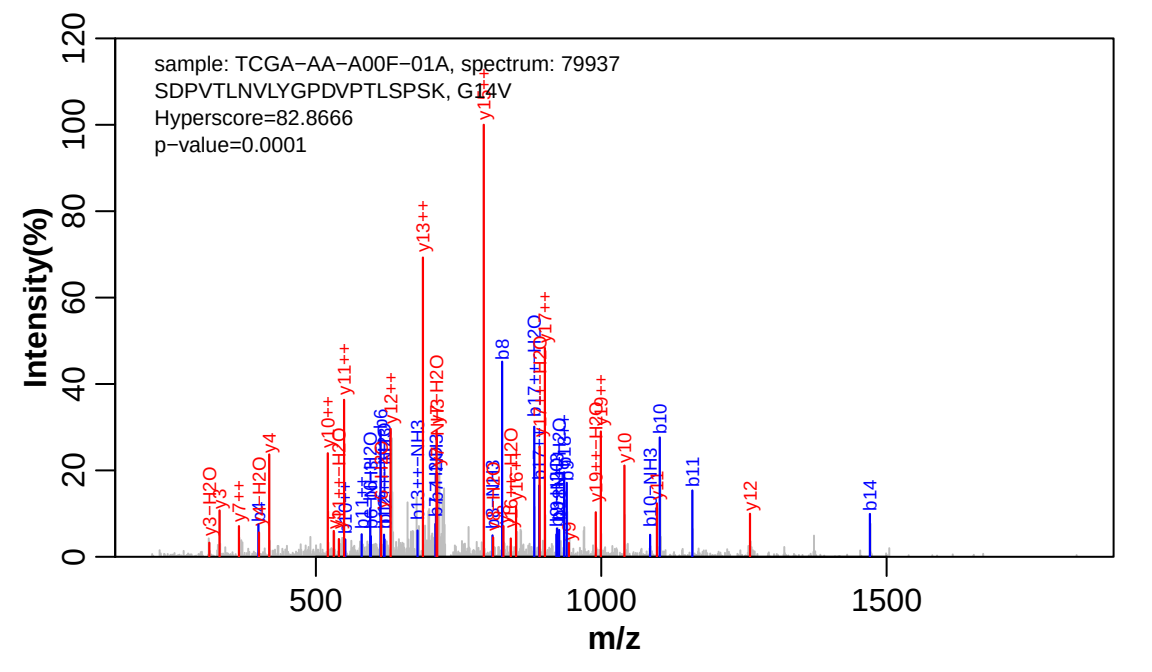

sample: TCGA−AA−A00F−01A, spectrum: 22911
NSTLSEPGSGR, P4L
Hyperscore=20.2622
p−value=0.0002
Intensity(%)
m/z
b2
b3−H2O
b4
b5−H2O
b5
y5
y6
y7−NH3
y7
y8
y9

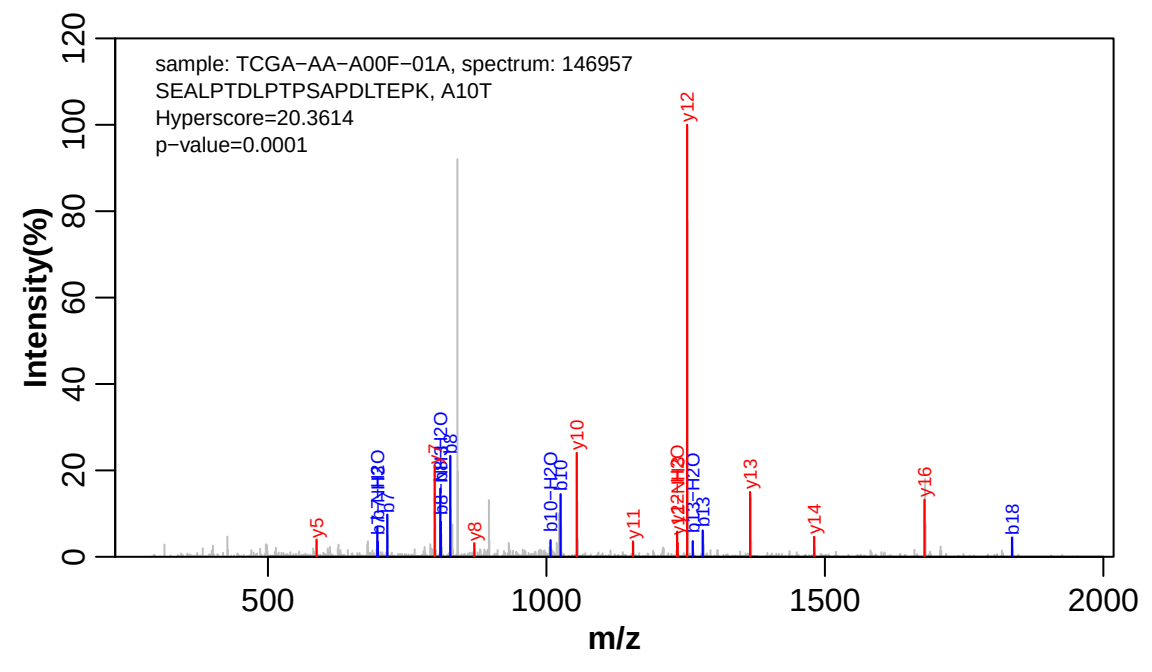

sample: TCGA−AA−A00F−01A, spectrum: 85858
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7700
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
y10
b12
b13
b5
y9
0
20
40
60
80
100
120
500
1000
1500

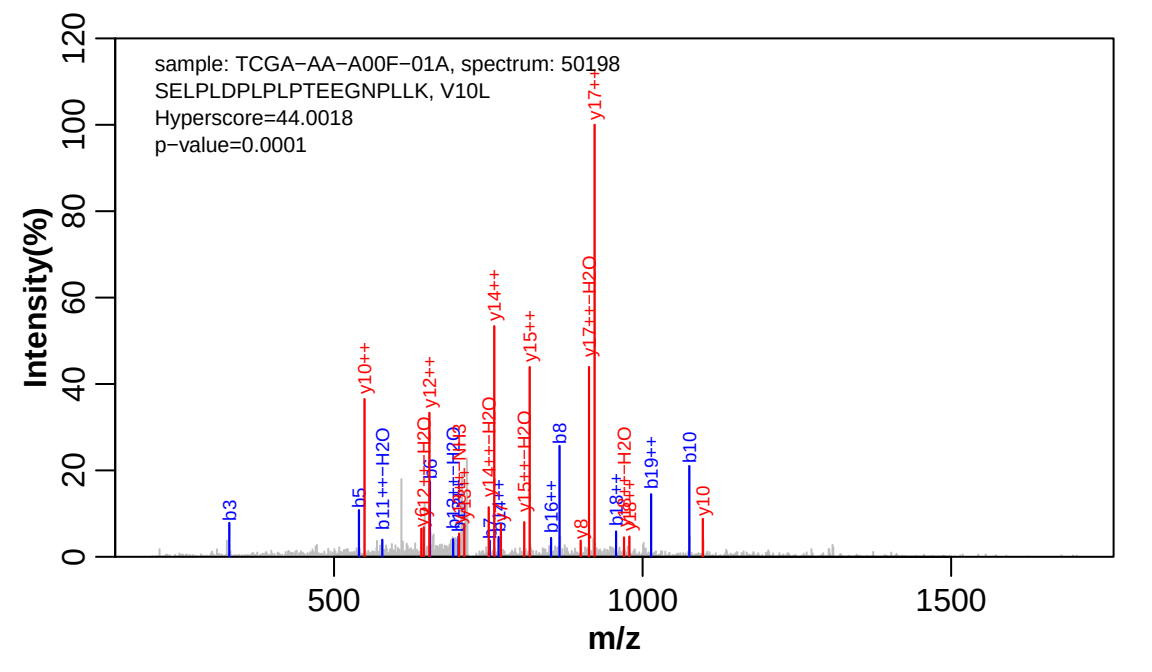

sample: TCGA−AA−A00F−01A, spectrum: 80872
QVEEEDGSRDSPLFDFLESCLR, L2V
Hyperscore=60.2892
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4++−H2O
y4
b10++−H2O
y5
y6
b14++−H2O
b15++−NH3
b15++−H2O
y16++
b18++−NH3
y20++
b13−NH3
y12−NH3
b14−NH3
b15−NH3

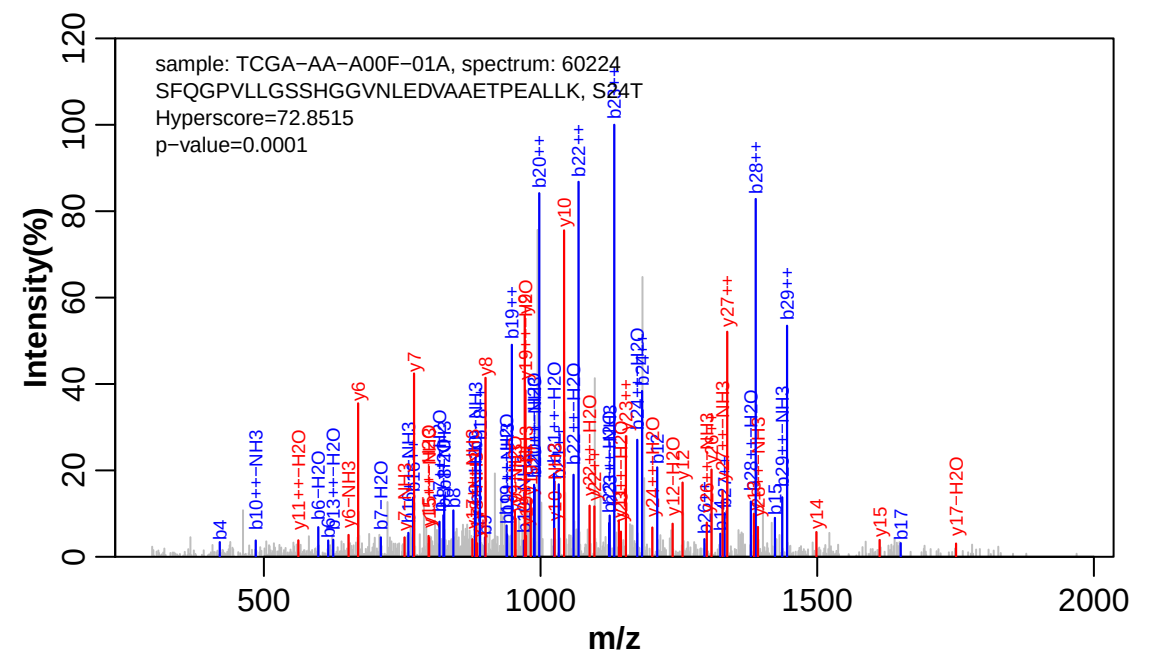

sample: TCGA−AA−A00F−01A, spectrum: 80403
SALVHLLNYQDDAELATHALPELTK, R18H
Hyperscore=108.7041
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y19++
y18++
y21++
b20++
b21++−H2O
b14
b12
y10++
b6
y5
y8
y17++
b19++
y20++−H2O
b24++−H2O
y22++
b23++
b5−H2O
b5
y7
b7
b14++
y15++
y16++
b15++−NH3
b15++−H2O
b15++
y16++−NH3
y16++−H2O
y16++
y14++−H2O
y14++
y13++−NH3
y13++−H2O
y13++
y12++−NH3
y12++−H2O
y12++
y11++−NH3
y11++−H2O
y11++
y10++−NH3
y10++−H2O
y10++
b18++−H2O
b18++
b19++−H2O
b19++
b20++−H2O
b20++
b21++−NH3
b21++
b22++−NH3
b22++−H2O
b22++
b23++−H2O
b23++
b24++−NH3
b24++

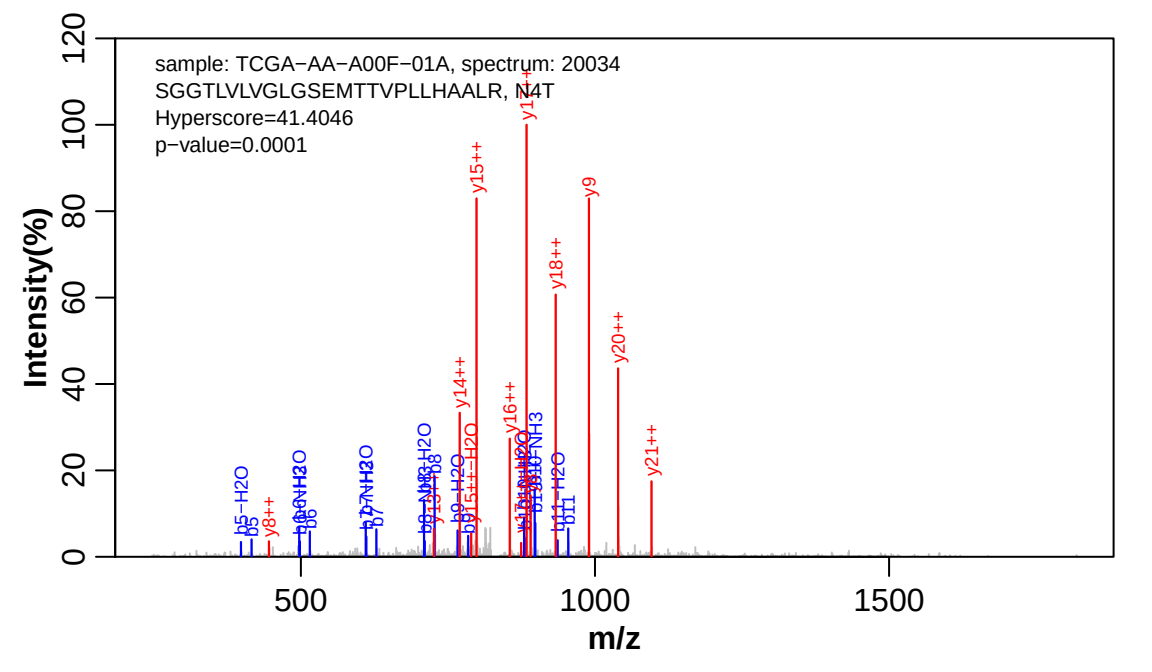

sample: TCGA−AA−A00F−01A, spectrum: 7285
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=20.8095
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9
b10++
y11++−NH3
y11++
y12++
y13++
y14++
y15++
y16++

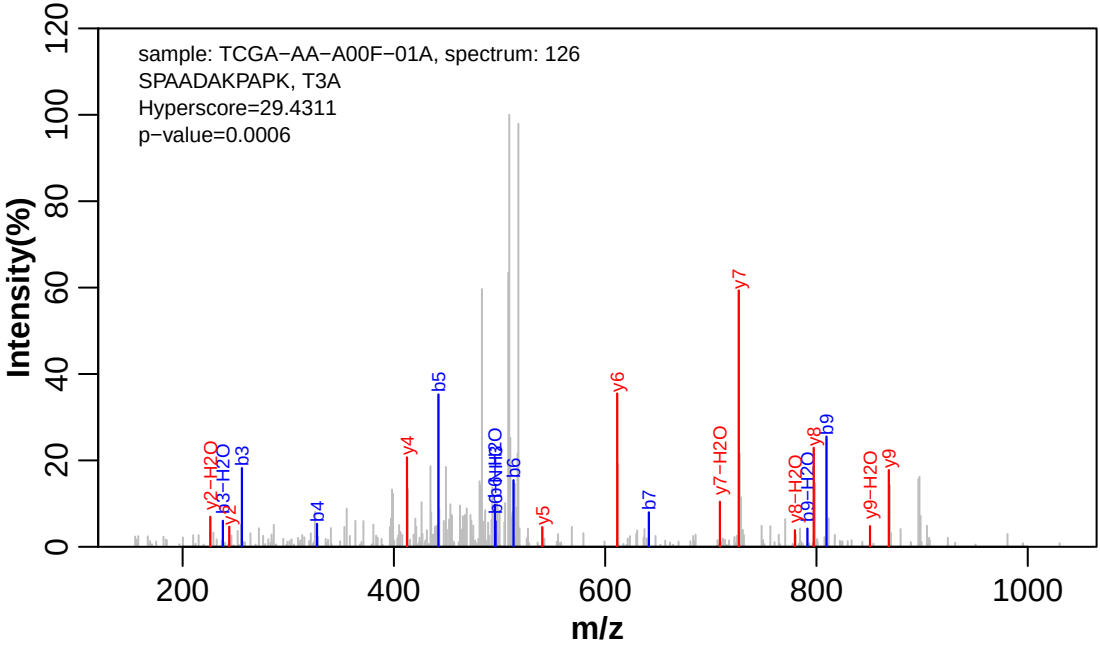

sample: TCGA−AA−A00F−01A, spectrum: 79937
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=82.8666
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y14++
y13++
y11++
y10++
y12++
y4
y4−H2O
y3−H2O
y3
y7++
b8
b14
y10
y11
y12
b10
b11

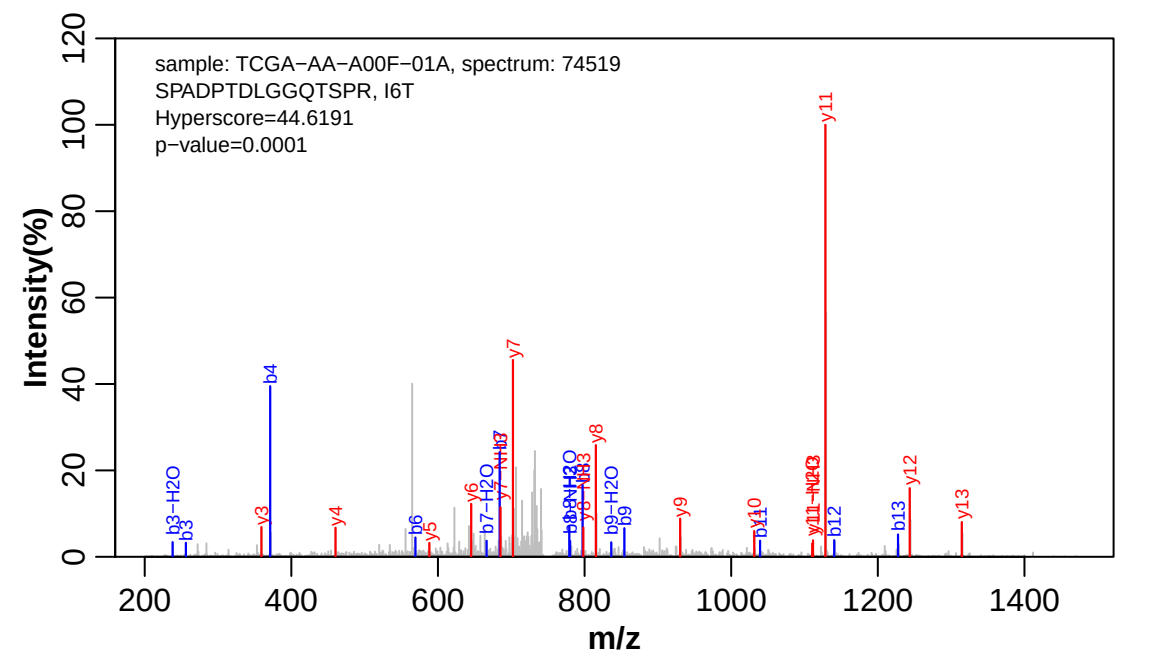

sample: TCGA−AA−A00F−01A, spectrum: 146957
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=20.3614
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
y10
y13
y16
y5
y8
y11
y14
b18
b10−H2O
b10
b13
b13−H2O
b8
b8−NH3
b8−H2O
y7
b7
b7−NH3
b7−H2O

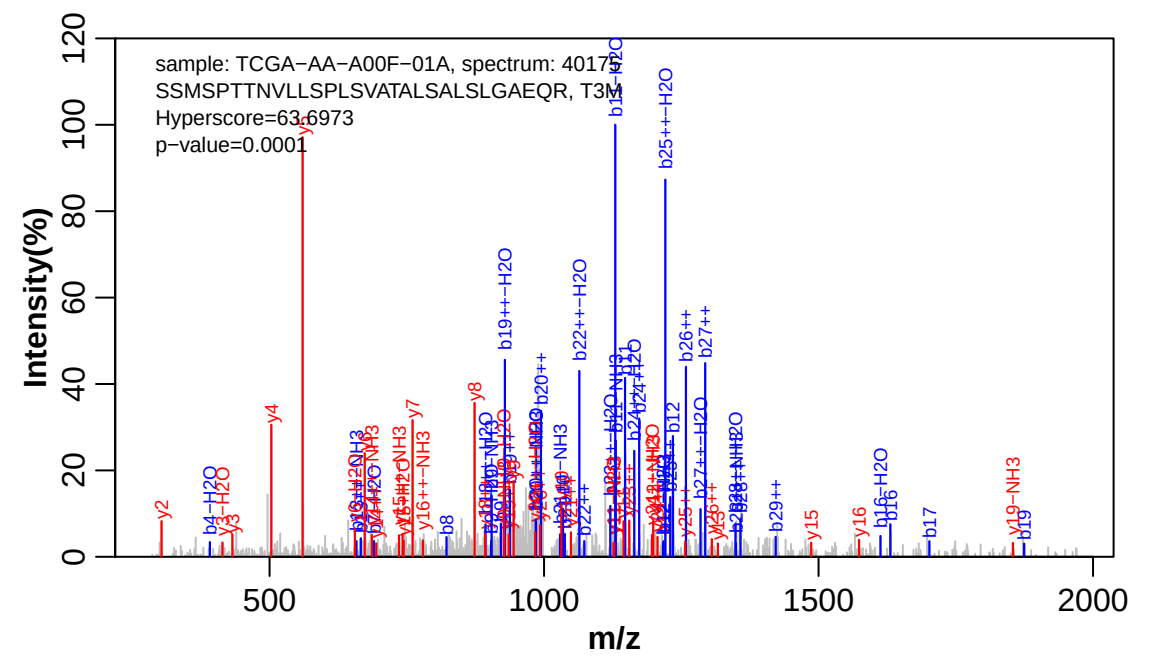

sample: TCGA−AA−A00F−01A, spectrum: 50198
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=44.0018
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y10++
b5
b11++−H2O
y12++
y12++−H2O
b8
y14++
y14++−H2O
y15++
y15++−H2O
b8
y17++−H2O
b16++
y8
b19++
b10
y10

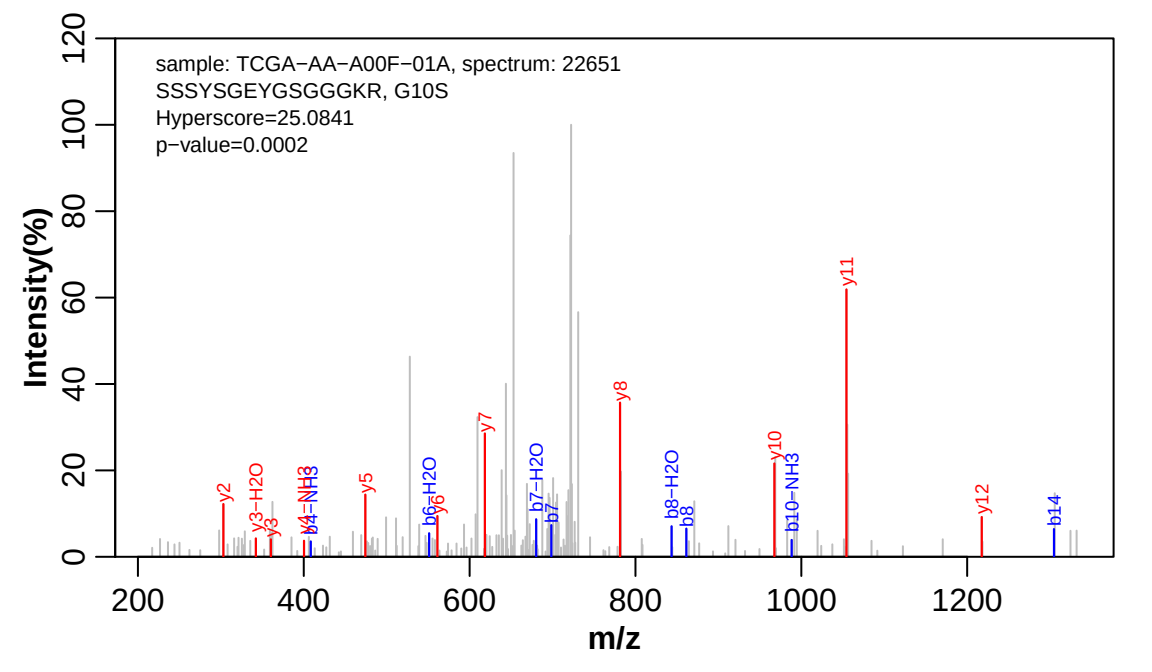

sample: TCGA−AA−A00F−01A, spectrum: 60224
SFQGPVLLGSSHGGVNLEDVAAETPEALLK, S24T
Hyperscore=72.8515
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b4
b10++−NH3
y11++−H2O
b6−H2O
b13++−H2O
y6−NH3
b7−H2O
y6
y7
y8
b19++
b20++
y10
b22++
b28++
b29++
y14
y15
b17
y17−H2O

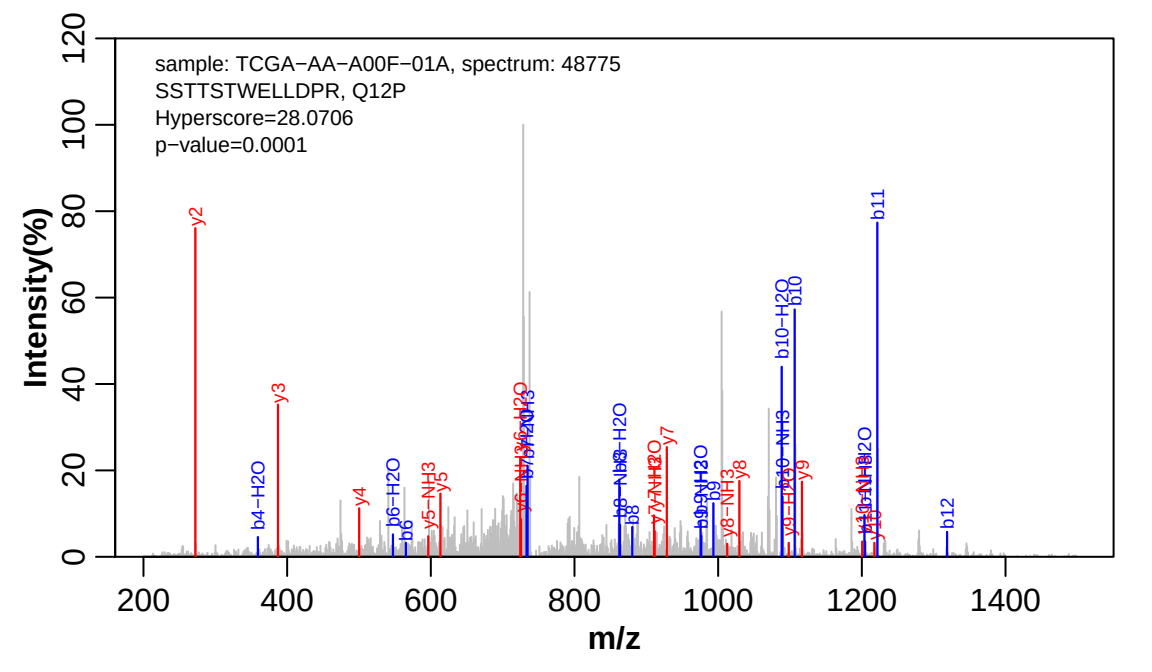

sample: TCGA−AA−A00F−01A, spectrum: 20034
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=41.4046
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y15++
y9
y18++
y20++
y14++
y16++
y21++
y8++

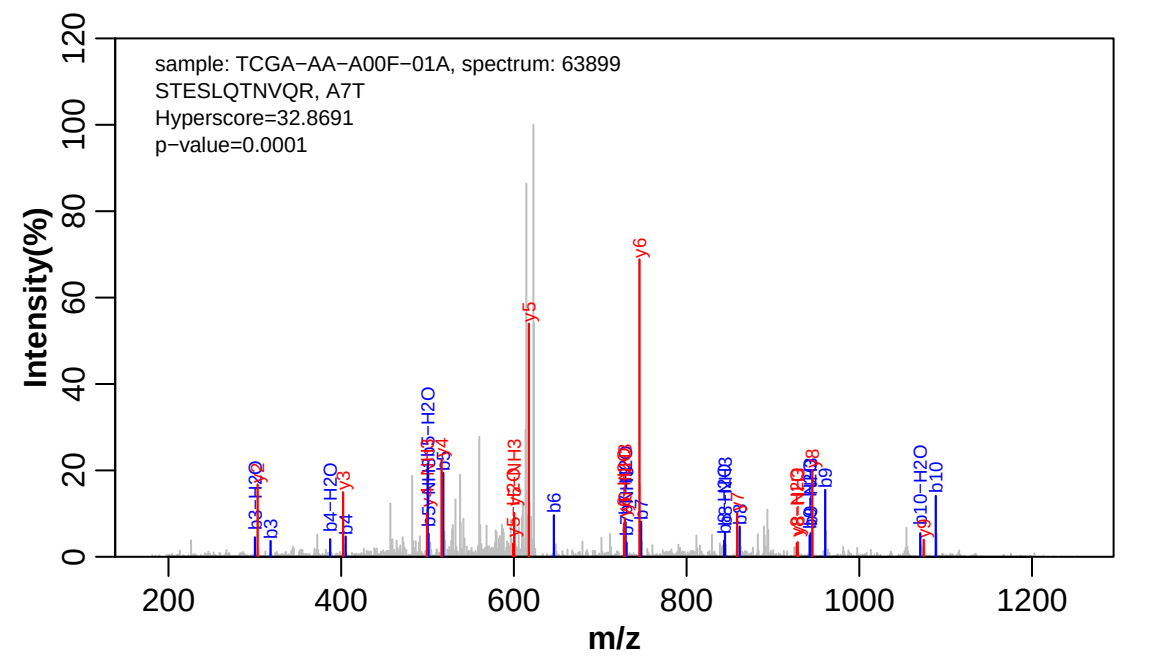

sample: TCGA−AA−A00F−01A, spectrum: 126
SPAADAKPAPK, T3A
Hyperscore=29.4311
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y2−H2O
y3−H2O
b3
b4
y4
b5
b6
y5
y6
b7
y7
y7−H2O
y8−H2O
b8−H2O
y8
b9
y9−H2O
y9

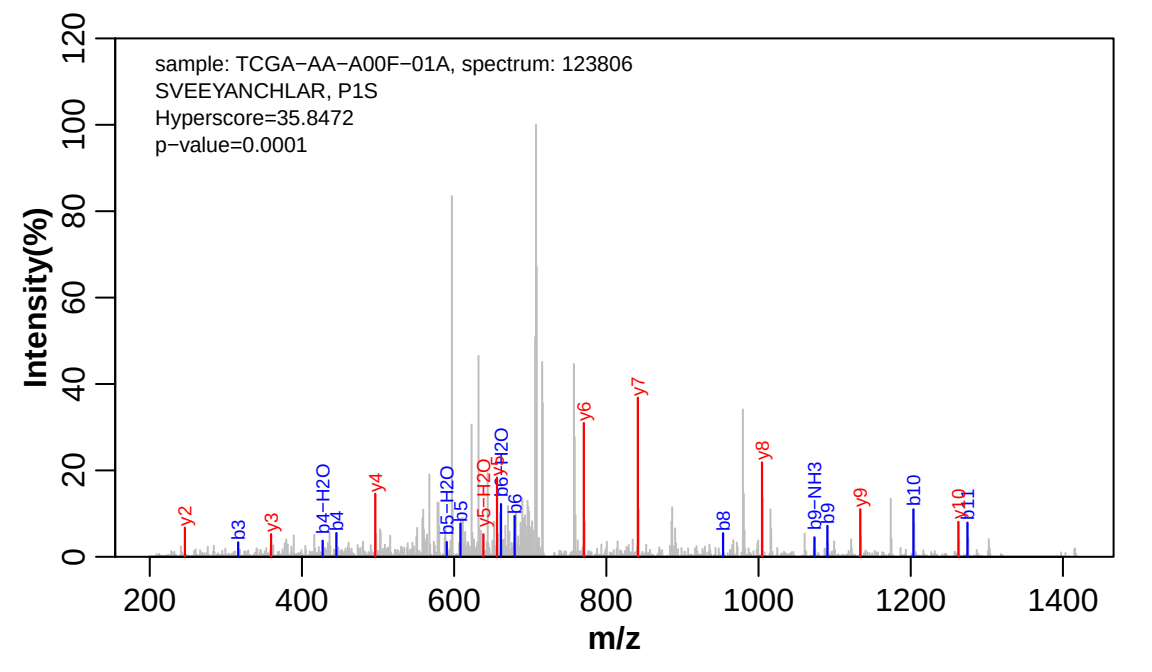

sample: TCGA−AA−A00F−01A, spectrum: 74519
SPADPTDLGGQTSPR, I6T
Hyperscore=44.6191
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
b4
y3
y4
b6
y5
y6
b7−H2O
y7
y8
b9−H2O
b9
y9
y10
b11
y11
y11−NH3
b12
y12
b13
y13

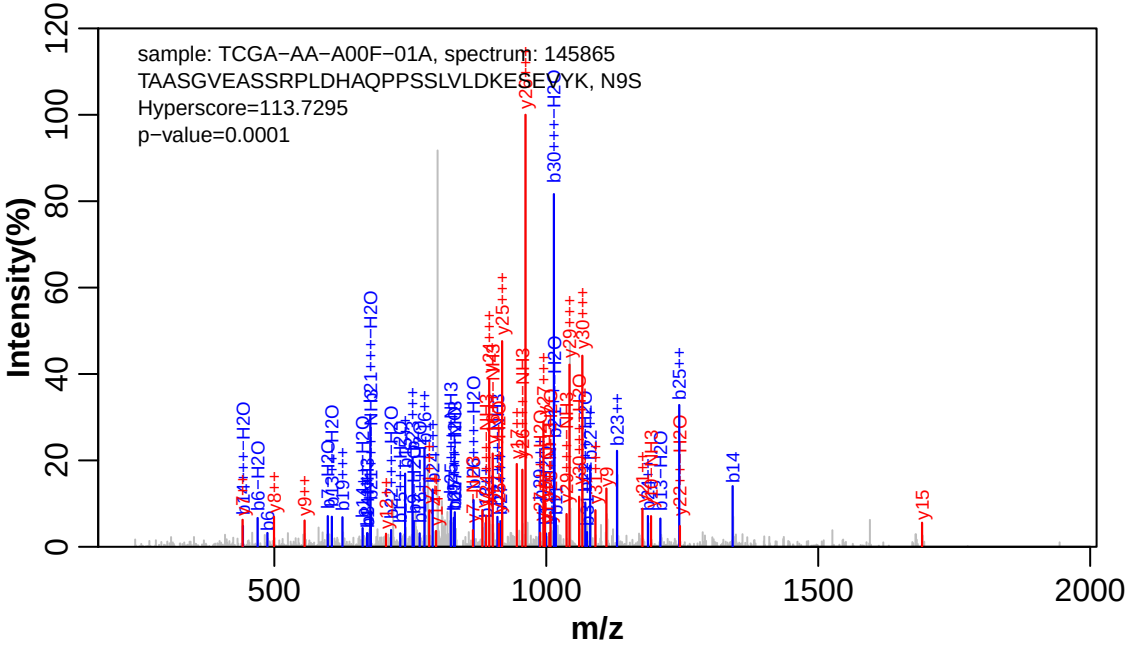

sample: TCGA−AA−A00F−01A, spectrum: 40175
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=63.6973
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y1
y2
y3
y4
y5
y7
y8
y15
y16
y19
b4−H2O
b8
b16−H2O
b17
b19++−H2O
b22++−H2O
b25++−H2O
b26++
b27++
b29++

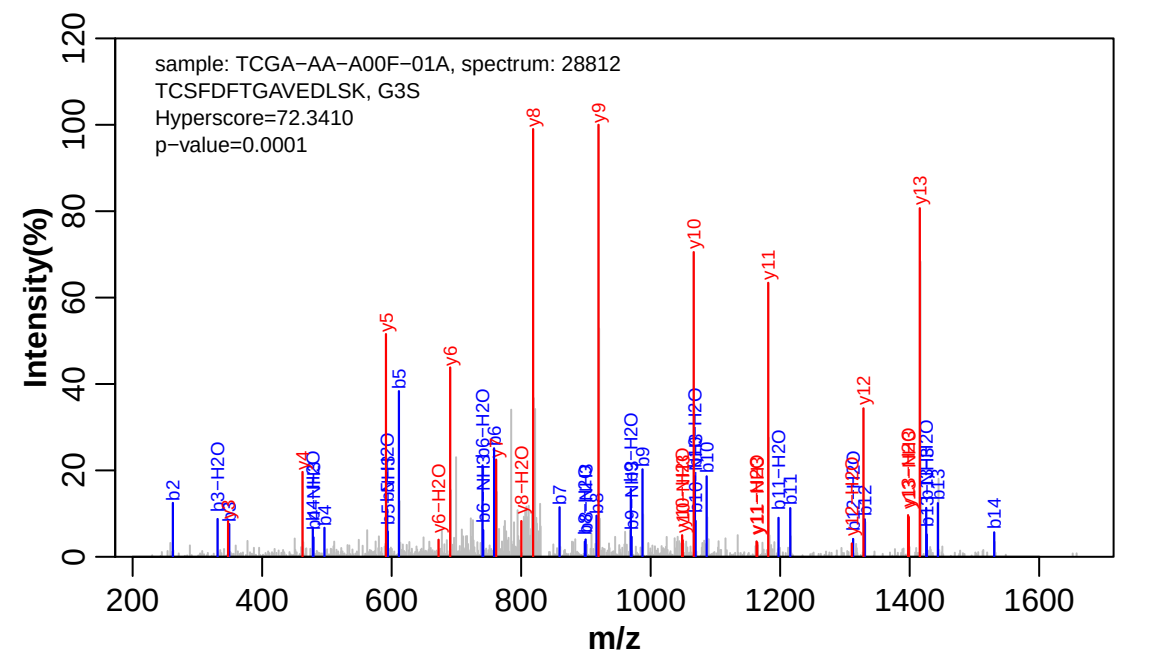

sample: TCGA−AA−A00F−01A, spectrum: 22651
SSSYSGEYGSGGGKR, G10S
Hyperscore=25.0841
p−value=0.0002
Intensity(%)
m/z
y2
y3−H2O
y3
b4−NH3
b4
y5
b6−H2O
y6
y7
b7−H2O
b7
y8
b8−H2O
b8
y10
b10−NH3
y11
y12
b14

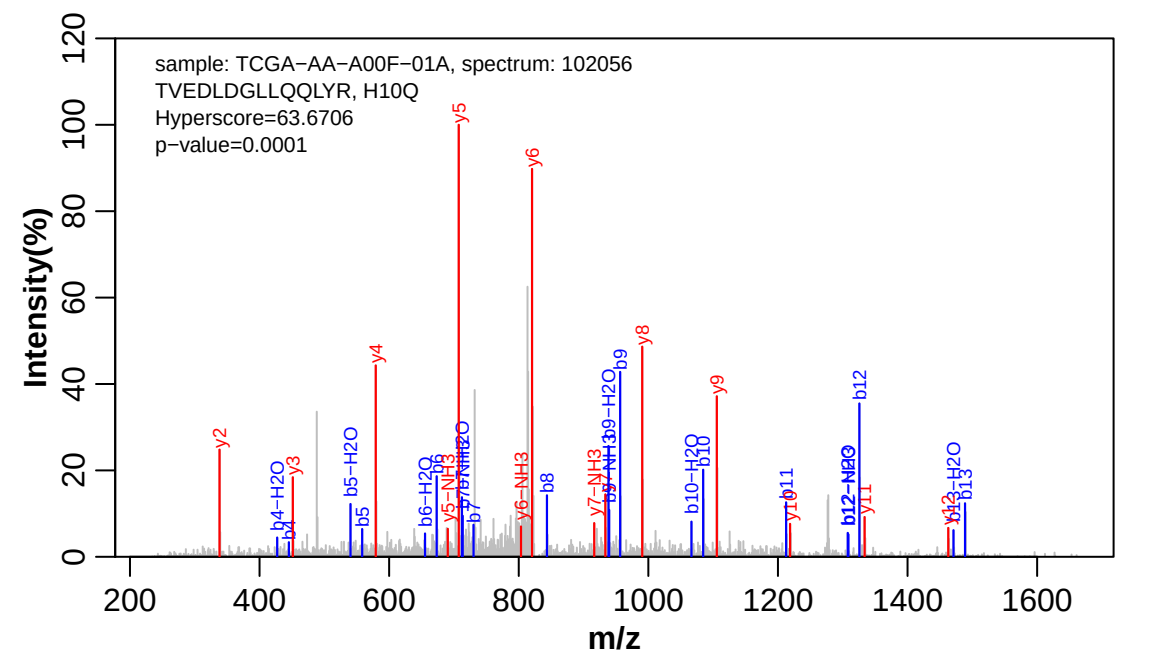

sample: TCGA−AA−A00F−01A, spectrum: 48775
SSTTSTWELLDPR, Q12P
Hyperscore=28.0706
p−value=0.0001
Intensity(%)
m/z
y2
y3
y4
y5
y5−NH3
y6−H2O
y6−NH3
y7
y8
y8−NH3
y9
y9−H2O
y9−NH3
b4−H2O
b6
b6−H2O
b8
b8−NH3
b8−H2O
b9
b10
b10−H2O
b10−NH3
b11
b12

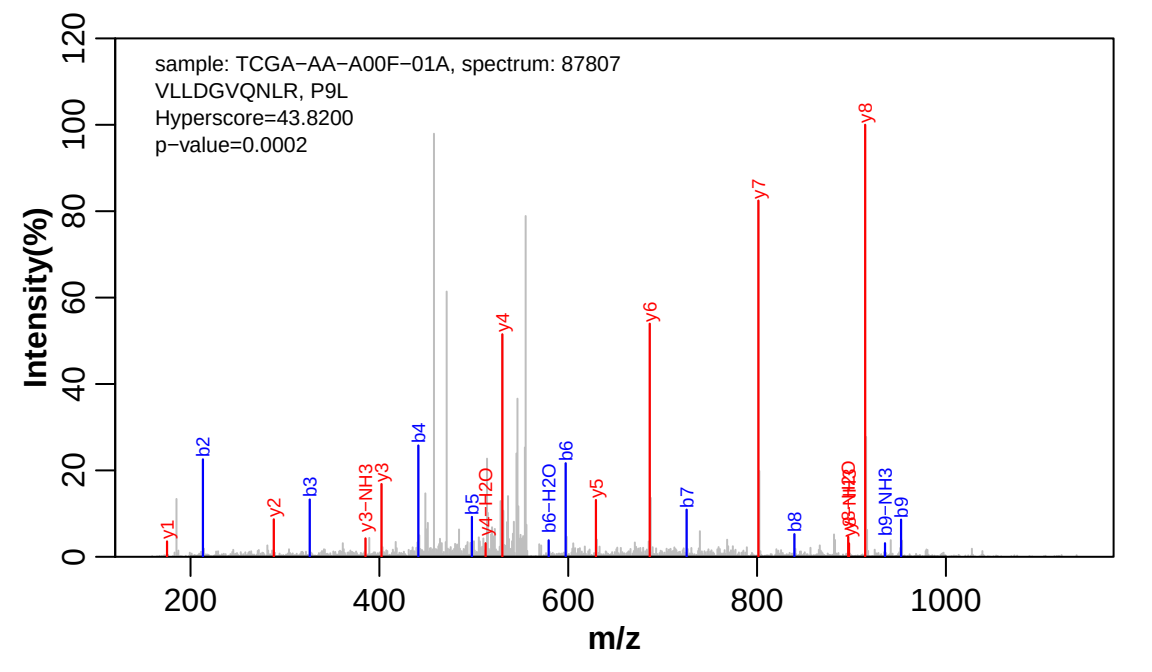

sample: TCGA−AA−A00F−01A, spectrum: 63899
STESLQTNVQR, A7T
Hyperscore=32.8691
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
b6
b10
b10−H2O
b4−H2O
b5−H2O
y3
b3
b4
b5
y5−H2O
y5−NH3
b7
b8
b9
y8
y9
y10−H2O

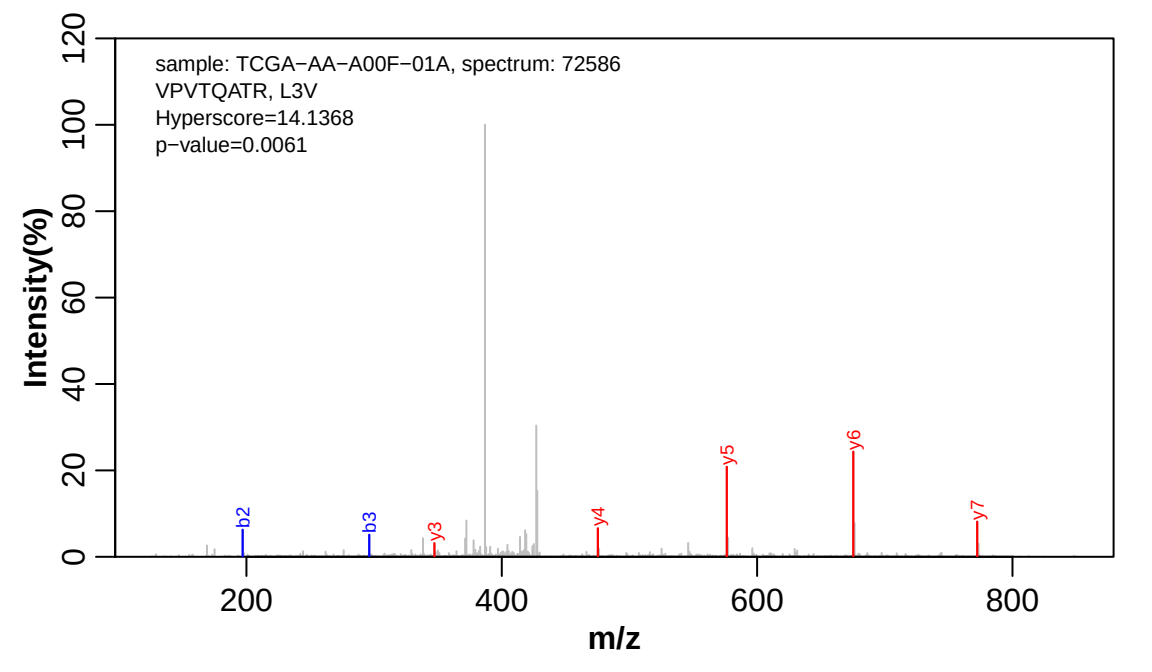

sample: TCGA−AA−A00F−01A, spectrum: 123806
SVEEYANCHLAR, P1S
Hyperscore=35.8472
p−value=0.0001
Intensity(%)
m/z
y2
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5−H2O
b6−H2O
b6
y6
y7
b8
y8
b9−NH3
b9
y9
b10
y10
b11

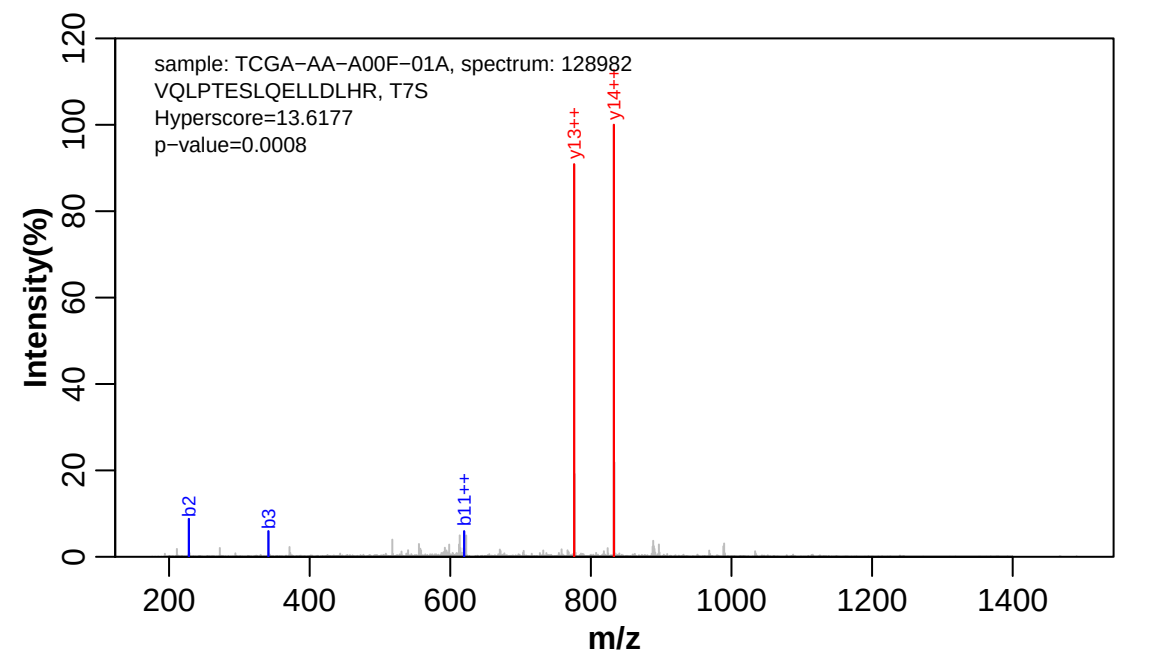

sample: TCGA−AA−A00F−01A, spectrum: 145865
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=113.7295
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y15
b14
y22++−H2O
b25++
b23++
y30+++
y29+++
y25+++
b30+++−H2O
y28++
b6−H2O
y8++
y9++

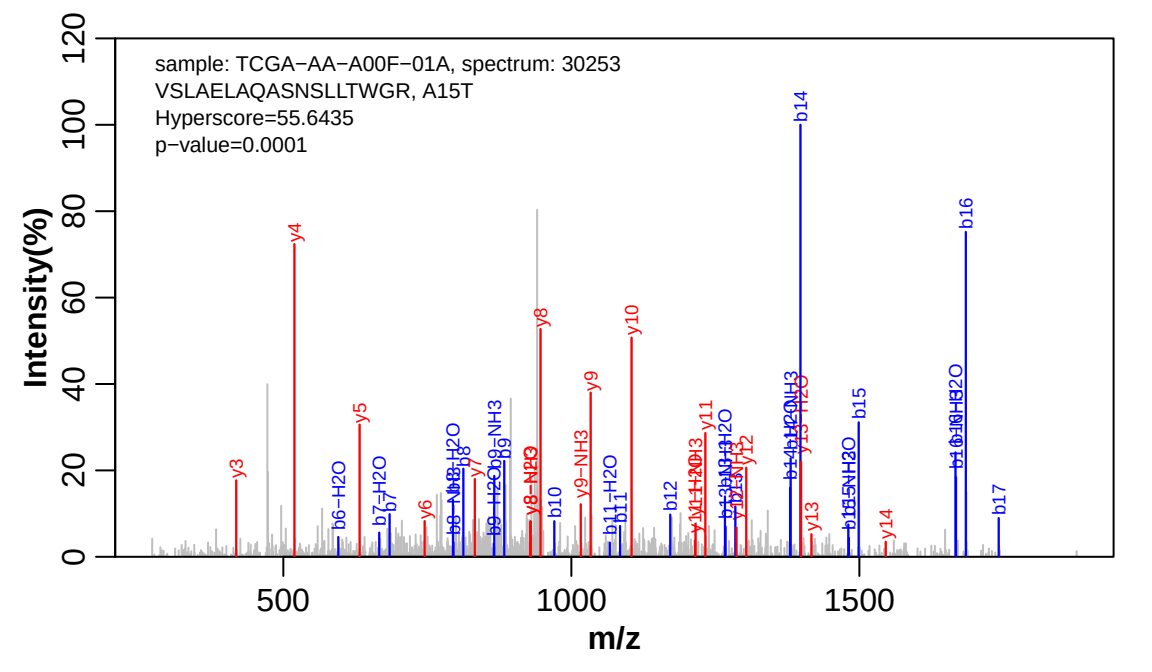

sample: TCGA−AA−A00F−01A, spectrum: 28812
TCSFDFTGAVEDLSK, G3S
Hyperscore=72.3410
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
y3
y4
b4
y5
b5
y6
y6−H2O
b6−NH3
y8
y8−H2O
b7
y9
b9−NH3
b9−H2O
y10
y10−H2O
b10−H2O
y11
y11−H2O
b11
b11−H2O
y12
y12−H2O
b12
y13
y13−H2O
b13
b14

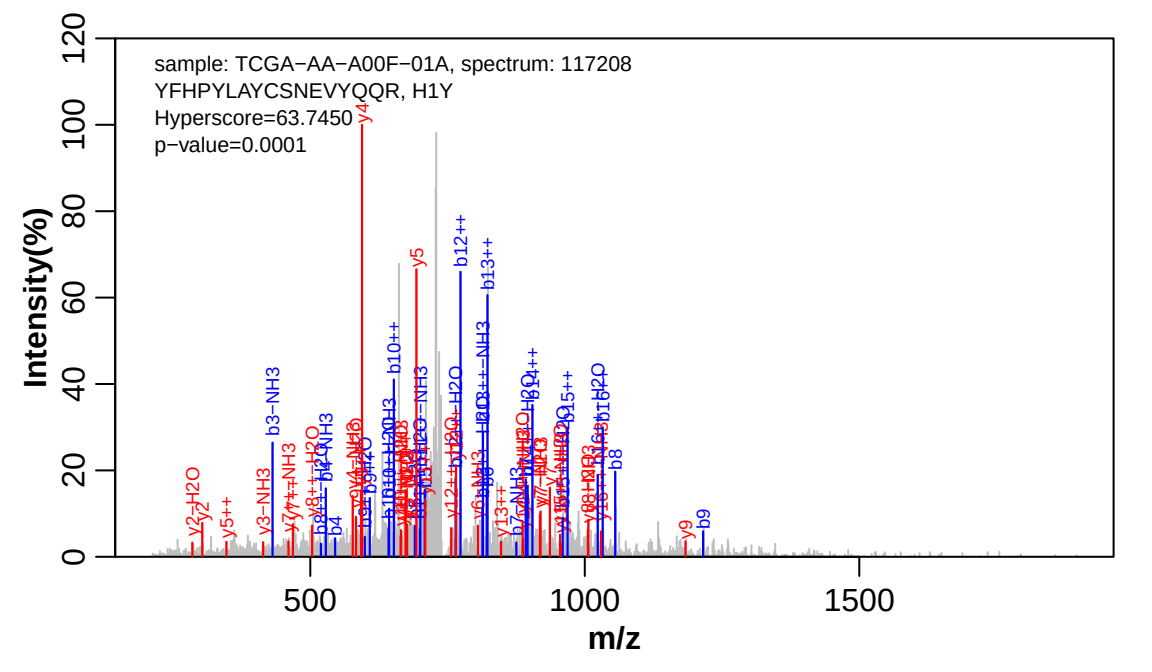

sample: TCGA−AA−A00F−01A, spectrum: 102056
TVEDLDGLLQQLYR, H10Q
Hyperscore=63.6706
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b4−H2O
b4
y4
b5−H2O
b5
b6−H2O
b6
y5
y5−NH3
b7
y6
y6−NH3
b8
y7−NH3
b9
y8
b10−H2O
b10
y9
y10
b11
b12
y11
b13−H2O
b13

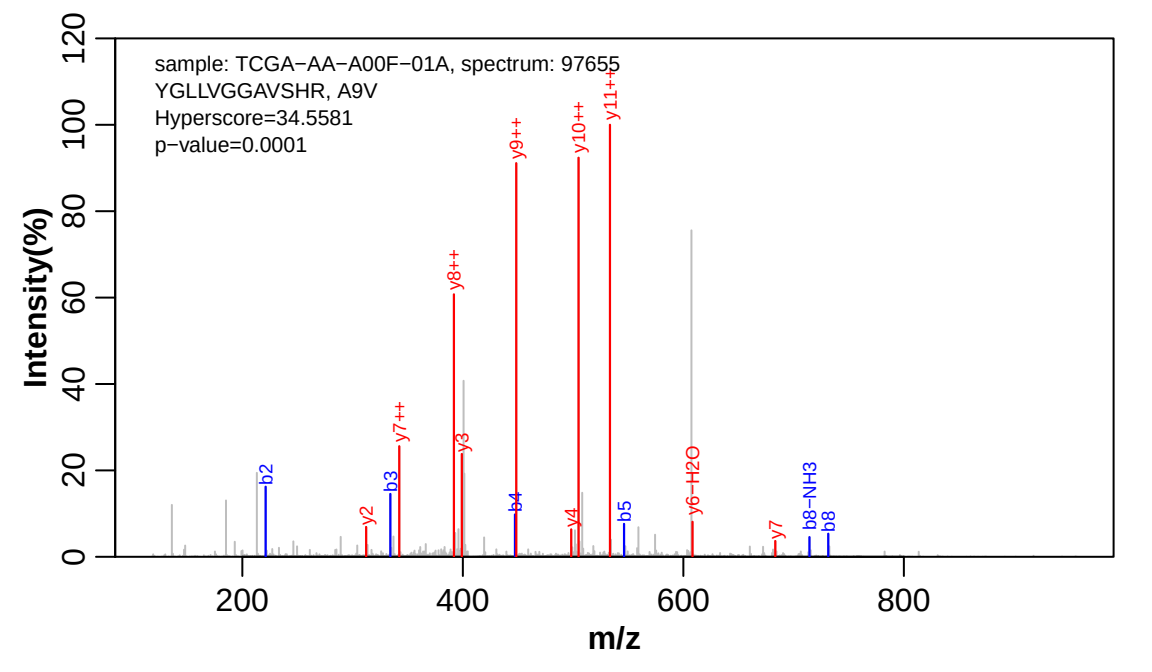

sample: TCGA−AA−A00F−01A, spectrum: 87807
VLLDGVQNLR, P9L
Hyperscore=43.8200
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3−NH3
y3
b4
b5
y4−H2O
y4
b6−H2O
b6
y5
y6
b7
y7
b8
y8−NH2O
y8
b9−NH3
b9

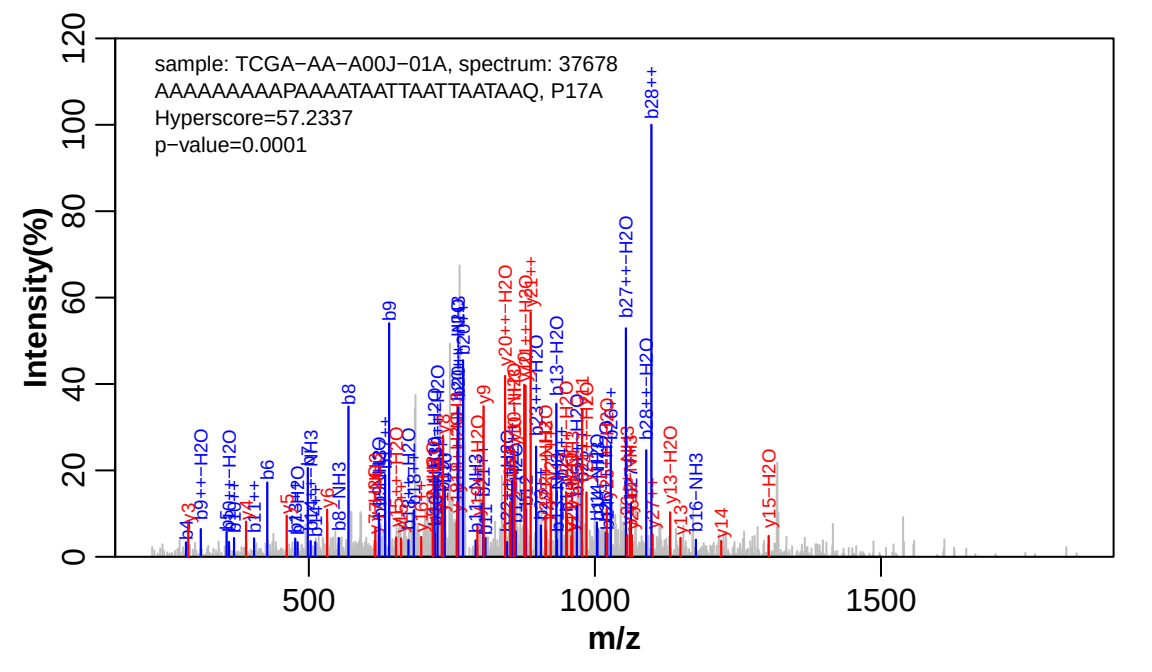

sample: TCGA−AA−A00F−01A, spectrum: 72586
VPVTQATR, L3V
Hyperscore=14.1368
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3
y4
y5
y6
y7

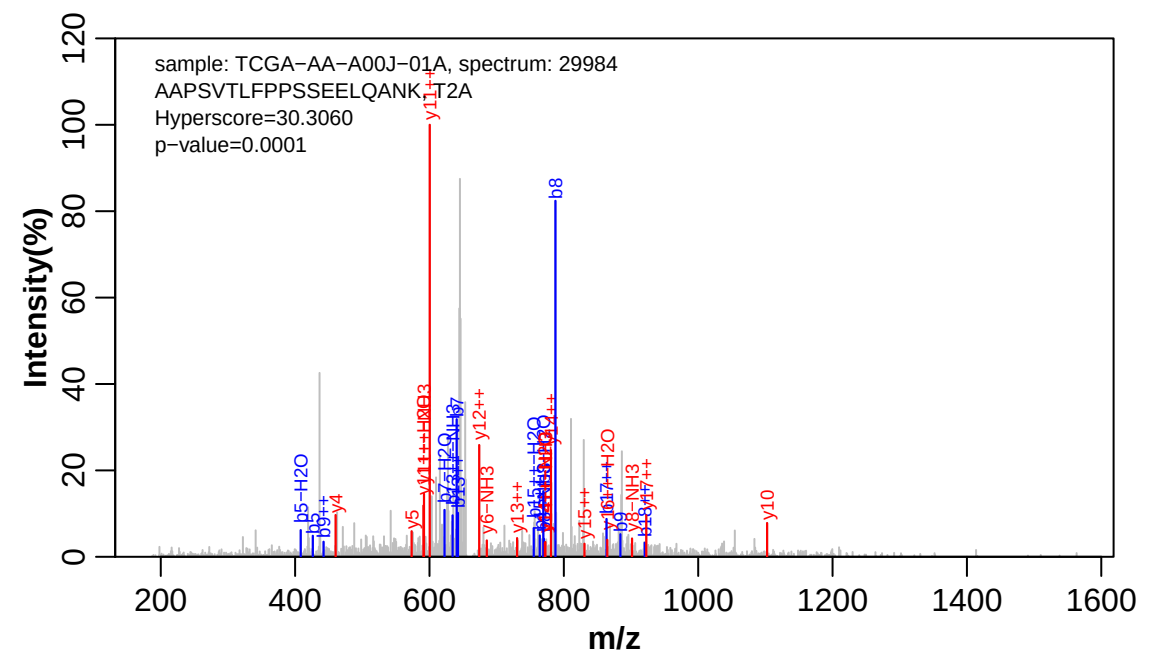

sample: TCGA−AA−A00F−01A, spectrum: 128982
VQLPTESLQELLDLHR, T7S
Hyperscore=13.6177
p−value=0.0008
y13++
y14++
b2
b3
b11++
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
m/z

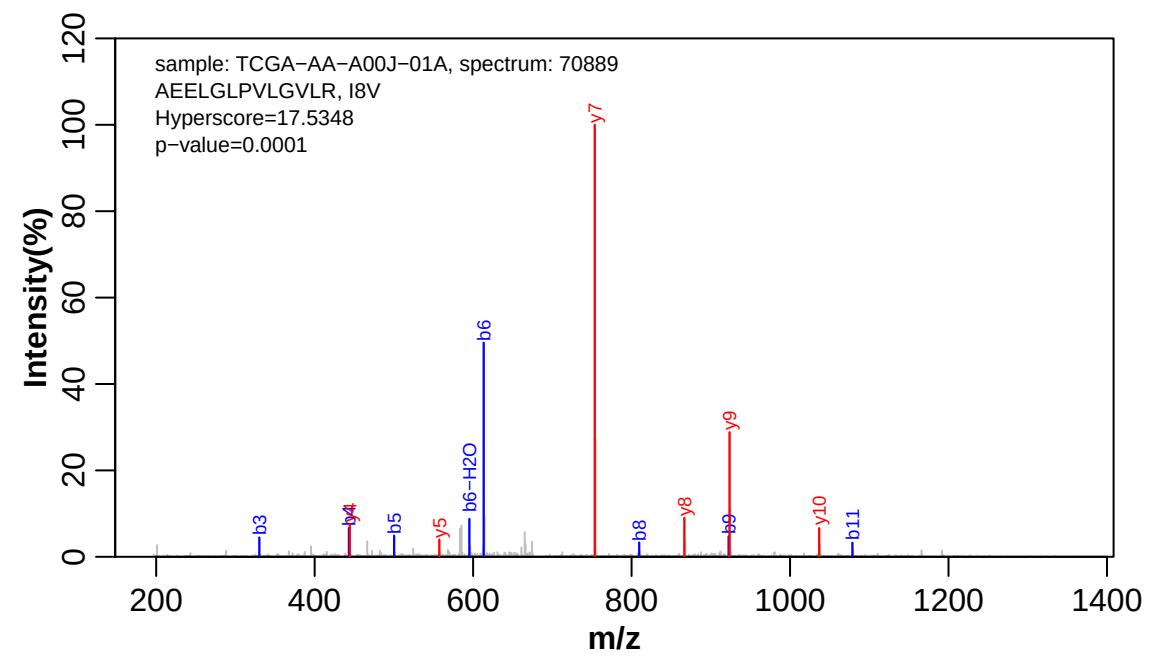

sample: TCGA−AA−A00F−01A, spectrum: 30253
VSLAELAQASNSLLTWGR, A15T
Hyperscore=55.6435
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
y6
y7
y8
y9
y10
y11
y12
y13
y14
b6−H2O
b7−H2O
b8
b9
b10
b11−H2O
b12
b14
b15
b16
b17

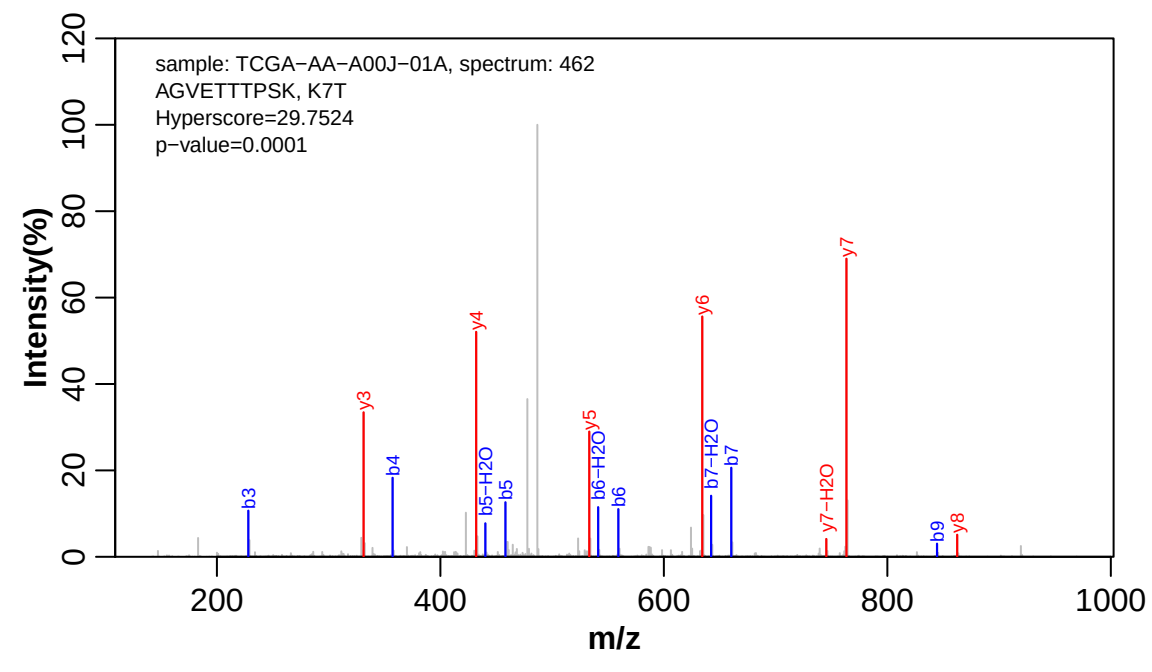

sample: TCGA−AA−A00F−01A, spectrum: 117208
YFHPYLAYCSNEVYQQR, H1Y
Hyperscore=63.7450
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
b12++
b13++
b10++
b3−NH3
y2−H2O
y2
y5++
y3−NH3
b4−NH3
b4
b8
y9
b9

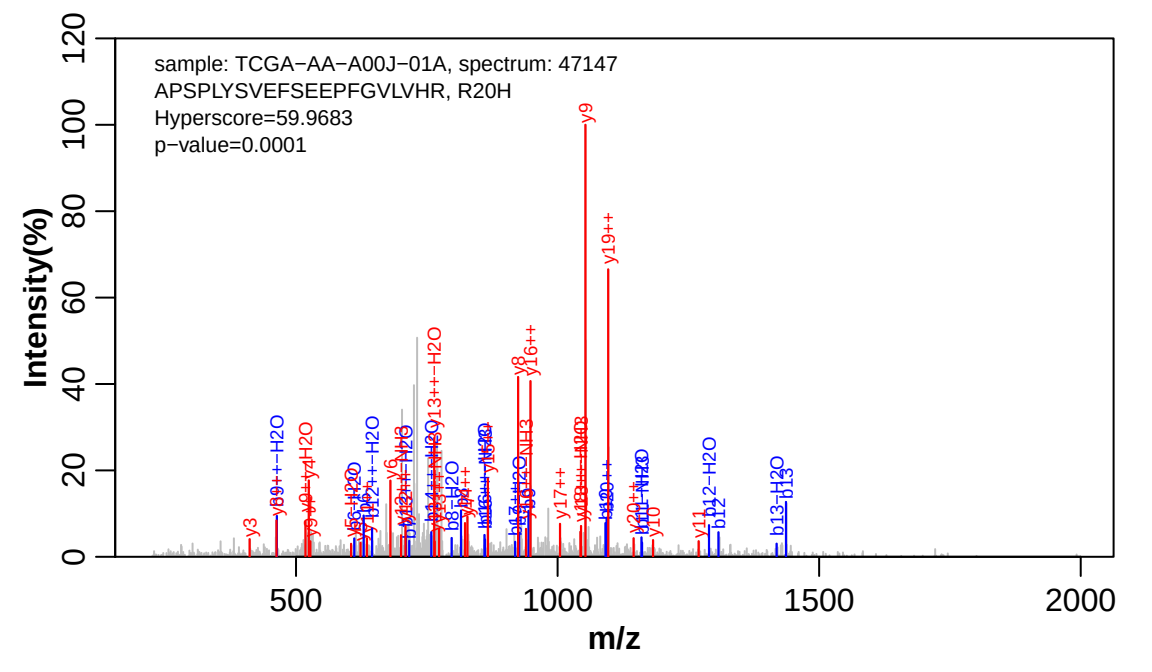

sample: TCGA−AA−A00F−01A, spectrum: 97655
YGLLVGGAVSHR, A9V
Hyperscore=34.5581
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2
b3
y7++
y8++
y3
b4
y9++
y4
y10++
b5
y11++
y6−H2O
y7
b8−NH3
b8

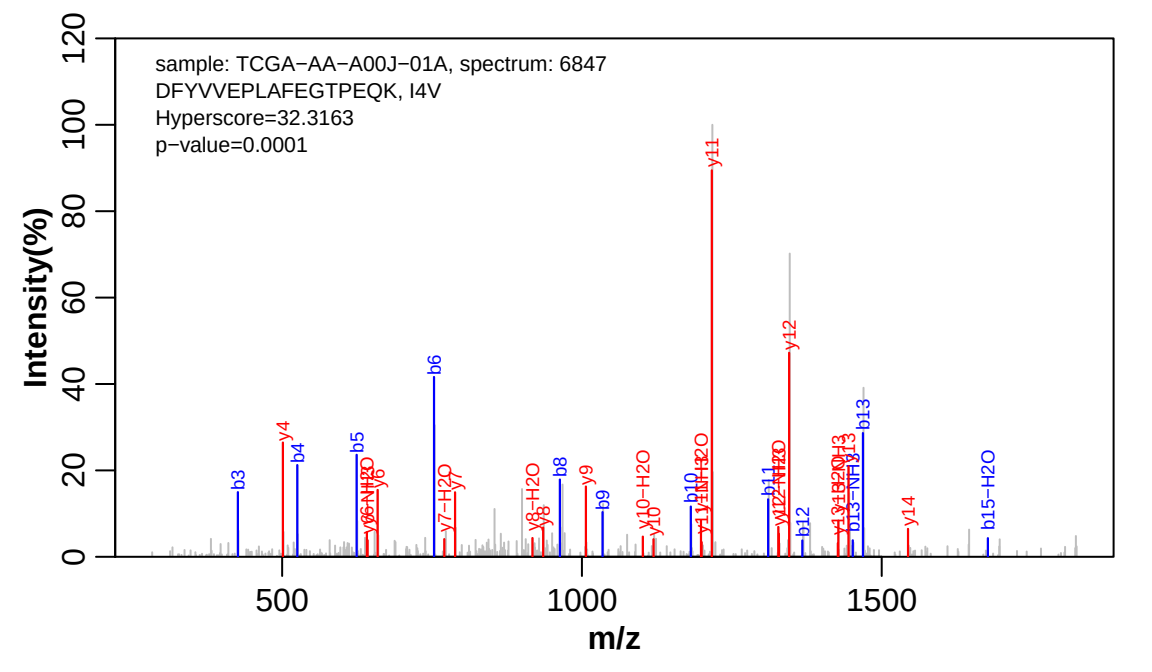

sample: TCGA−AA−A00J−01A, spectrum: 37678
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=57.2337
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b27++−H2O
b9
b8
y9
y15−H2O
y14
b16−NH3
y13−H2O
y13
b13−H2O
b11++
b6
b4
y3

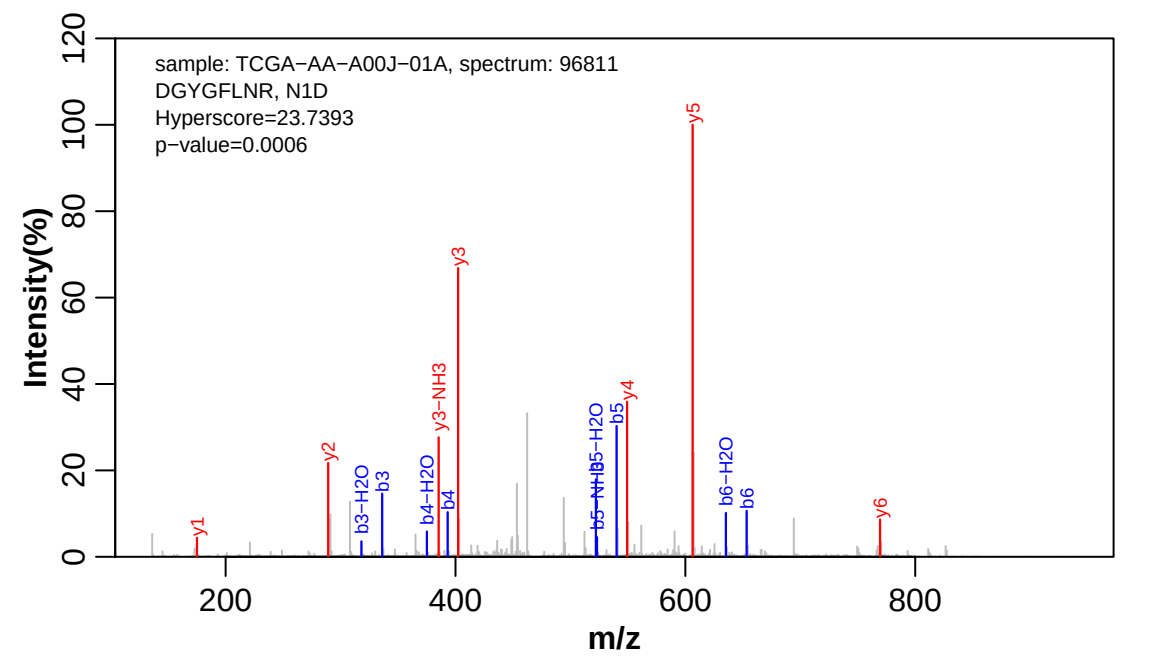

sample: TCGA−AA−A00J−01A, spectrum: 29984
AAPSVTLFPPSSEELQANK_T2A
Hyperscore=30.3060
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y11++
b8
y12++
y6−NH3
y5
y4
b5−H2O
b5
b9++
y13++
y15++
y10
b9
y3−NH3

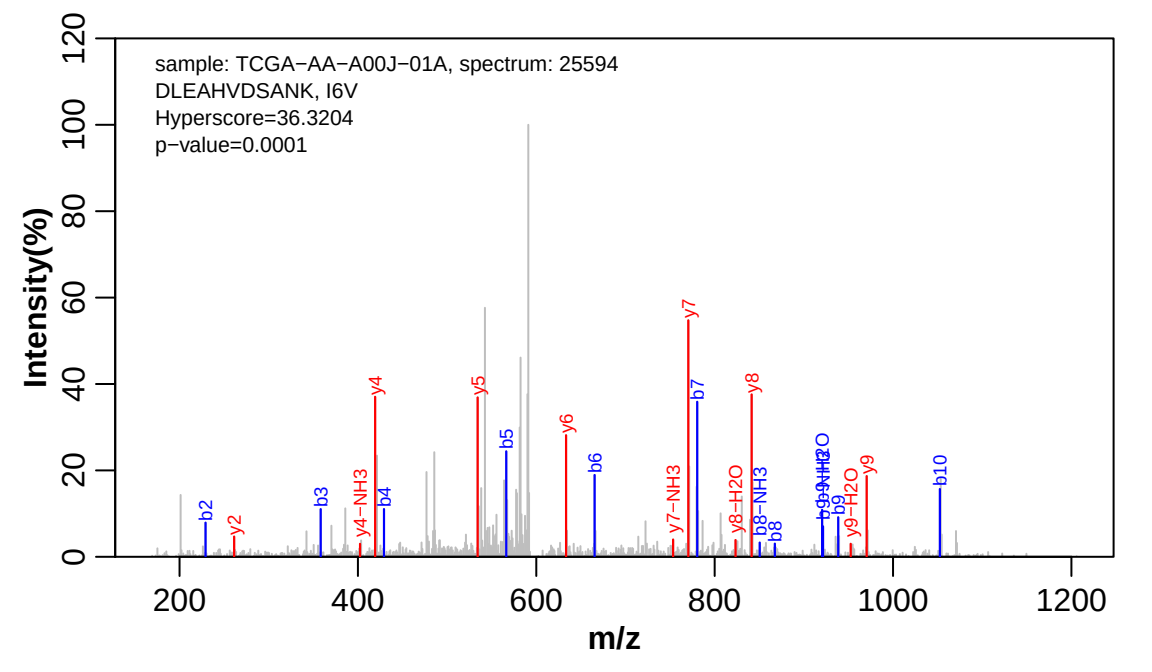

sample: TCGA−AA−A00J−01A, spectrum: 70889
AEELGLPVLGVLR, I8V
Hyperscore=17.5348
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y4
b5
y5
b6−H2O
b6
y7
b8
y8
y9
b9
y10
b11

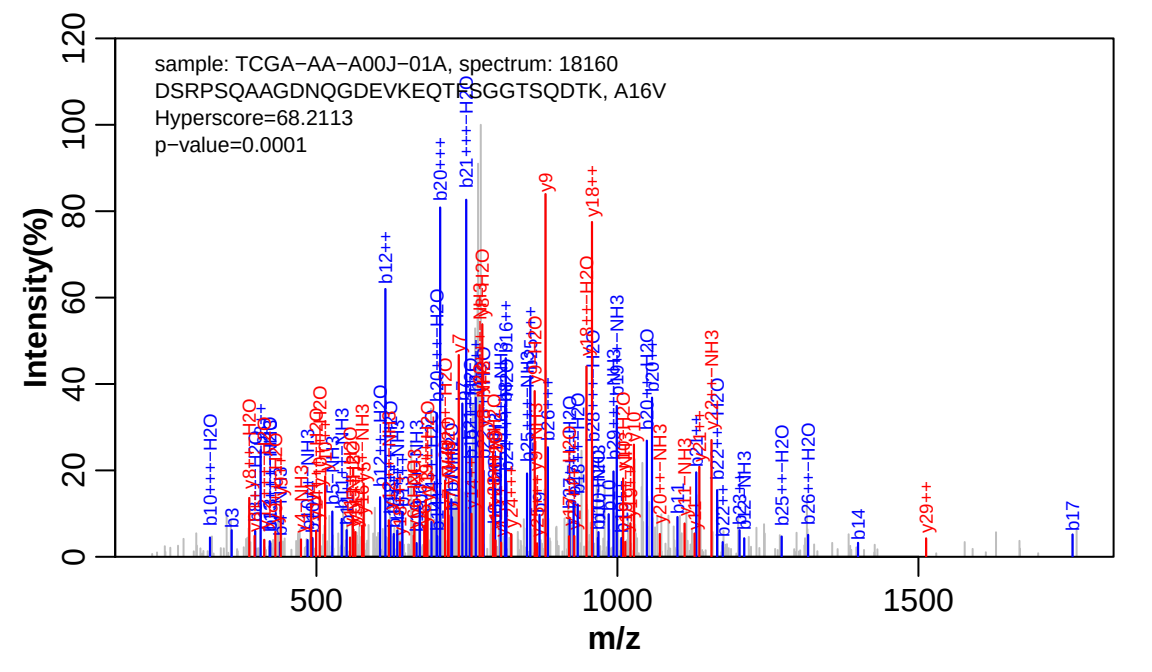

sample: TCGA−AA−A00J−01A, spectrum: 462
AGVETTTPSK, K7T
Hyperscore=29.7524
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y7−H2O
b9
y8

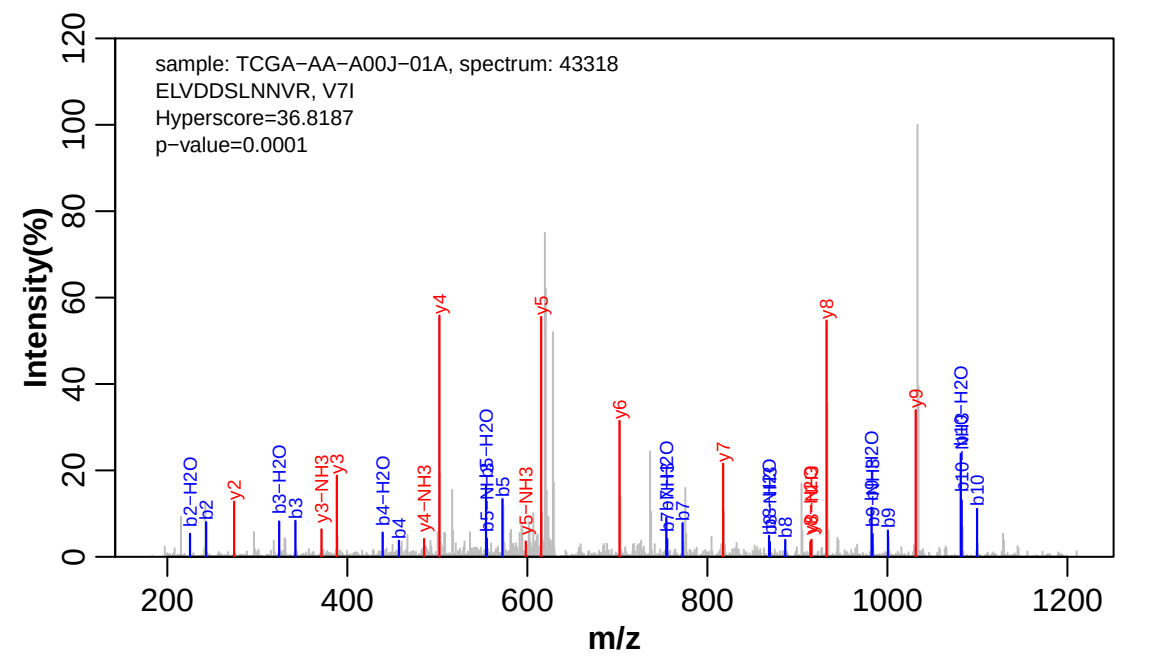

sample: TCGA−AA−A00J−01A, spectrum: 47147
APSPLYSVEFSEEPFGVLVHR, R20H
Hyperscore=59.9683
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y9
y19++
y16++
y8
y17++
y10
y11
y3
y4
y5
y6
y7
y12
b12−H2O
b13−H2O
b13
y9++−H2O
y4+−H2O
y7++−H2O
y6++−H2O
y6+−NH3
y13++−H2O
y14++−H2O
b8−H2O
b7++−H2O
b7+−H2O
b7+−NH3
y20++
y20+−NH3

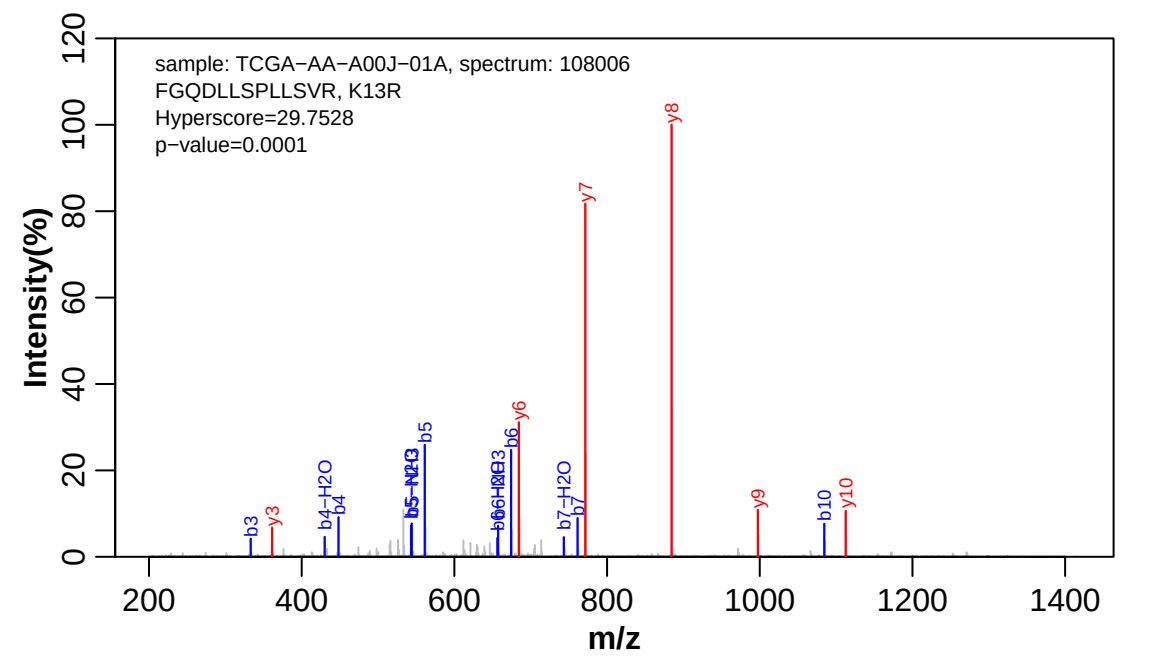

sample: TCGA−AA−A00J−01A, spectrum: 6847
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=32.3163
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
b6
y7−H2O
y8−H2O
b8
y9
b9
y10−H2O
b10
y11
y12
b11
b12
b13
y14
b15−H2O

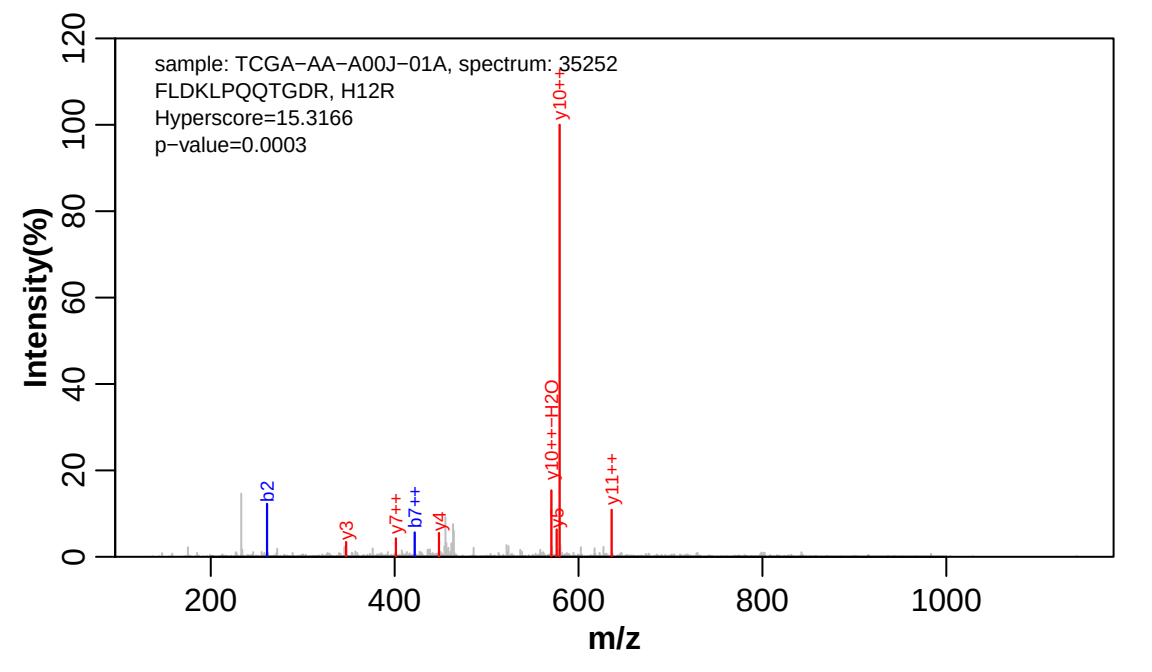

sample: TCGA−AA−A00J−01A, spectrum: 96811
DGYGFLNR, N1D
Hyperscore=23.7393
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
y3
b4
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
y6

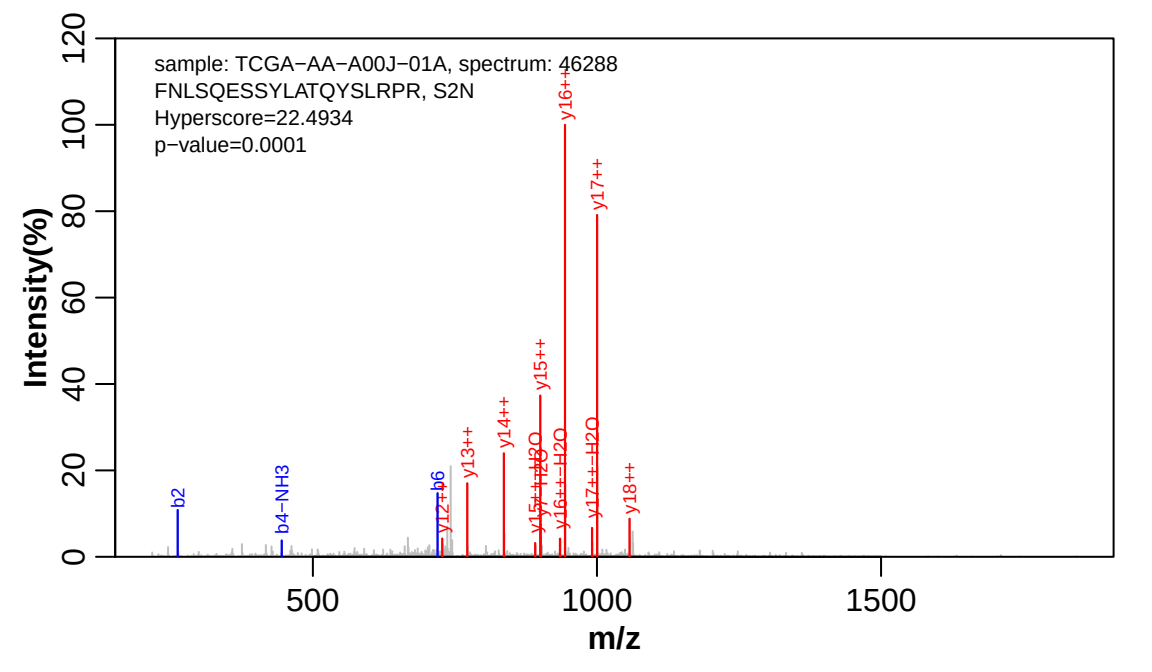

sample: TCGA−AA−A00J−01A, spectrum: 25594
DLEAHVDSANK, I6V
Hyperscore=36.3204
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y4−NH3
y4
b4
y5
b5
y6
b6
y7−NH3
y7
b7
y8−H2O
y8
b8−NH3
b8
y9−H2O
y9
b10

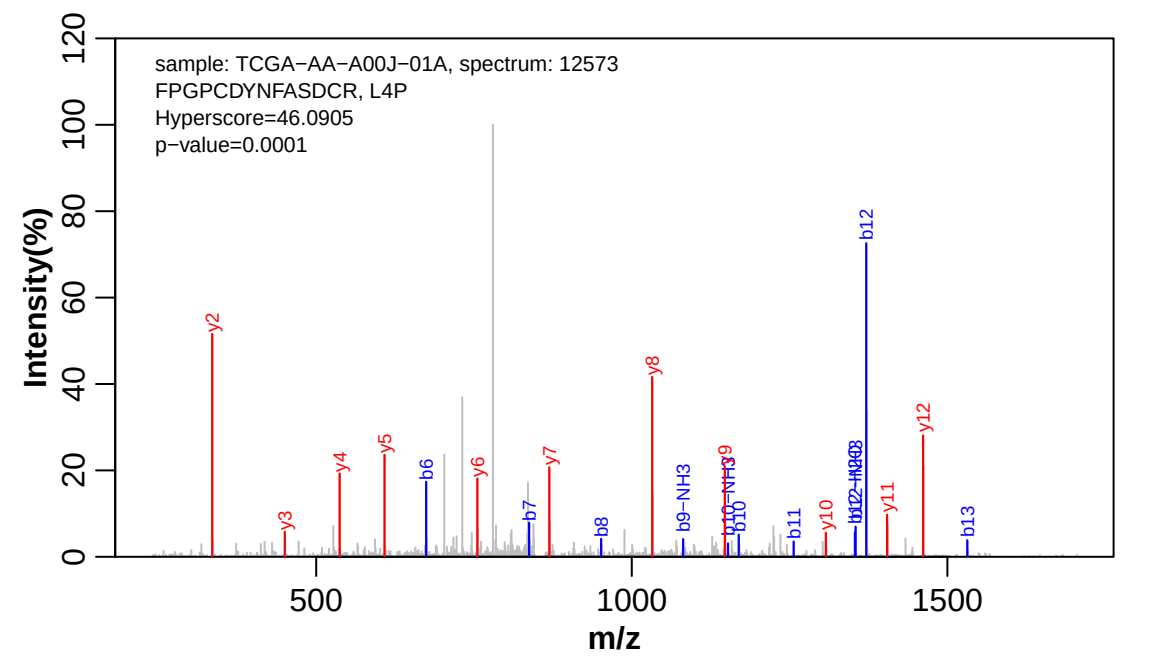

sample: TCGA−AA−A00J−01A, spectrum: 18160
DSRPSQAAGDNQGDEVKEQTPSGGTSQDTK, A16V
Hyperscore=68.2113
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b10+++−H2O
b3
b12++
b20+++
b21+++−H2O
y9
y18++
b17
y29++
b14
b25++−H2O
b26++−H2O

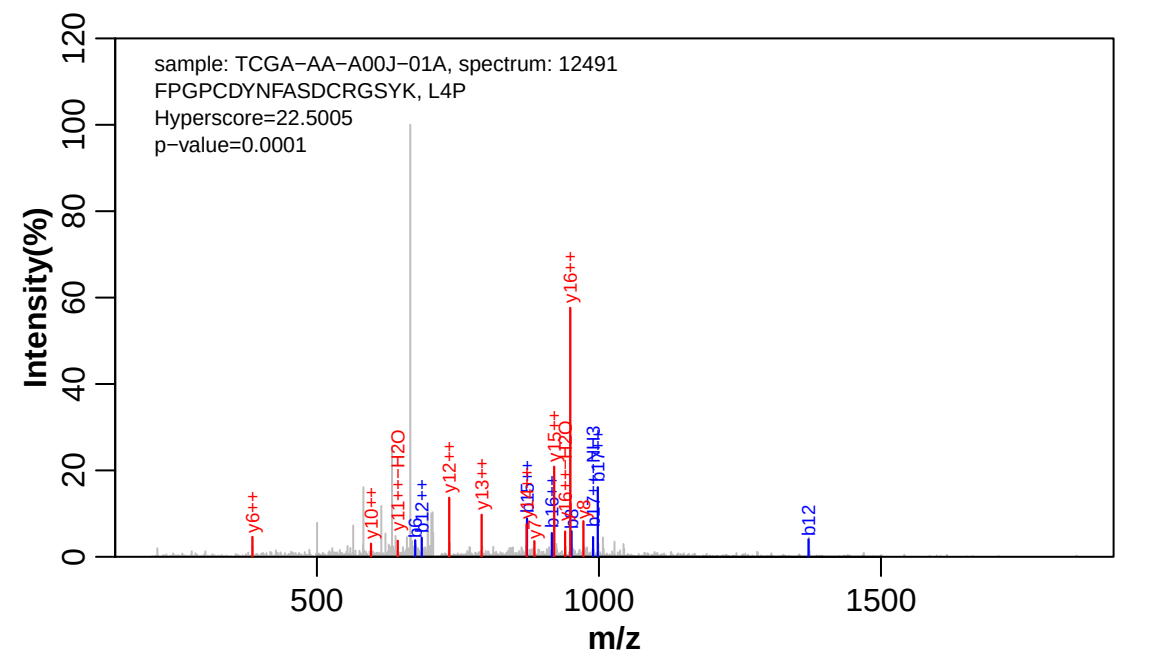

sample: TCGA−AA−A00J−01A, spectrum: 43318
ELVDDSLNNVR, V7I
Hyperscore=36.8187
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3−NH3
y3
b4−H2O
b4
y4−NH3
y4
b5−NH3
b5−H2O
b5
y5−NH3
y5
y6
b7
y7
b8
y8
b9
y9
b10
b10−H2O

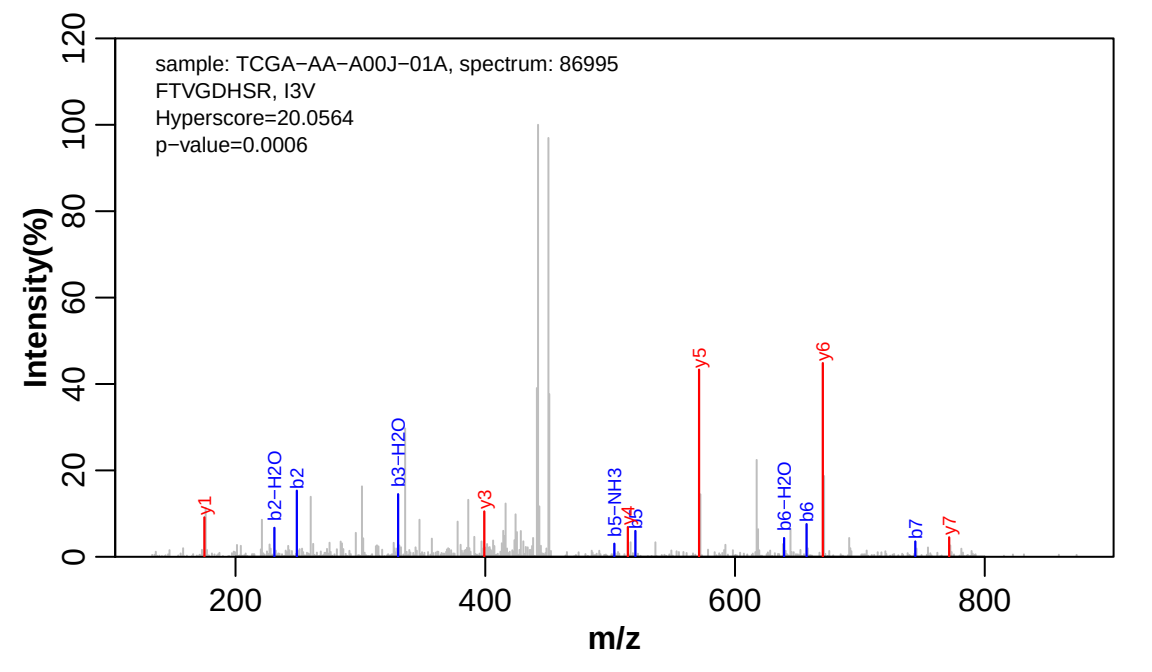

sample: TCGA−AA−A00J−01A, spectrum: 108006
FGQDLLSPLLSVR, K13R
Hyperscore=29.7528
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5
y6
b6
b7−H2O
b7
y7
y8
y9
b10
y10

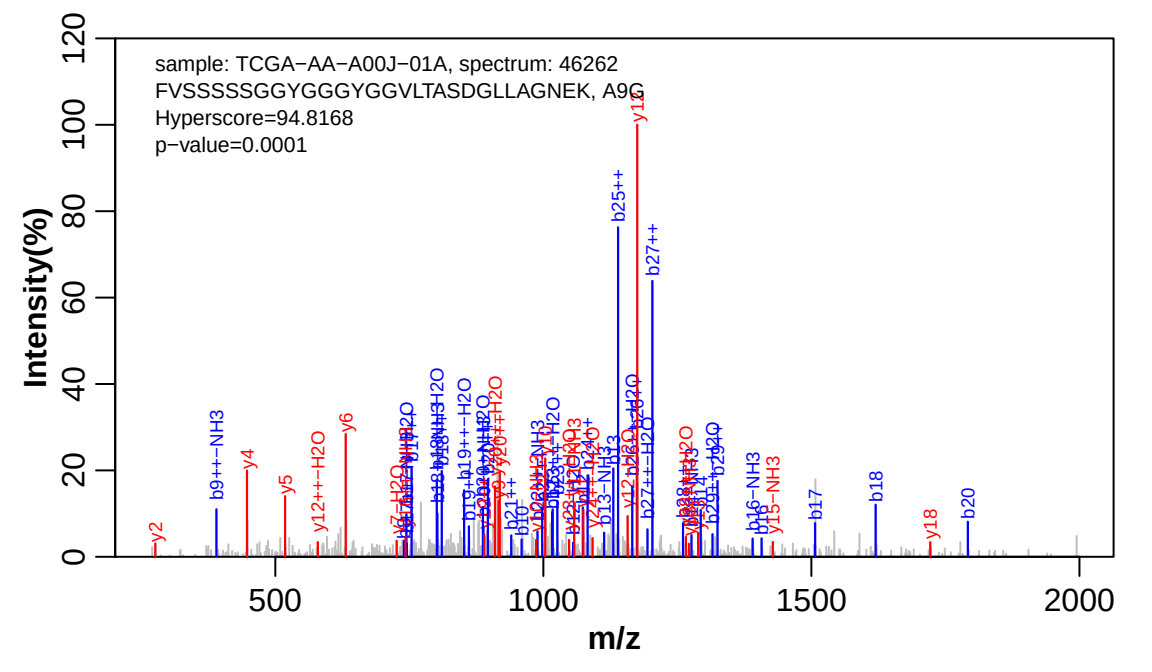

sample: TCGA−AA−A00J−01A, spectrum: 35252
FLDKLPQQTGDR, H12R
Hyperscore=15.3166
p−value=0.0003
Intensity(%)
m/z
y10++
y10++−H2O
y11++
b2
y3
y7++
b7++
y4
y5
0
20
40
60
80
100
120
200
400
600
800
1000

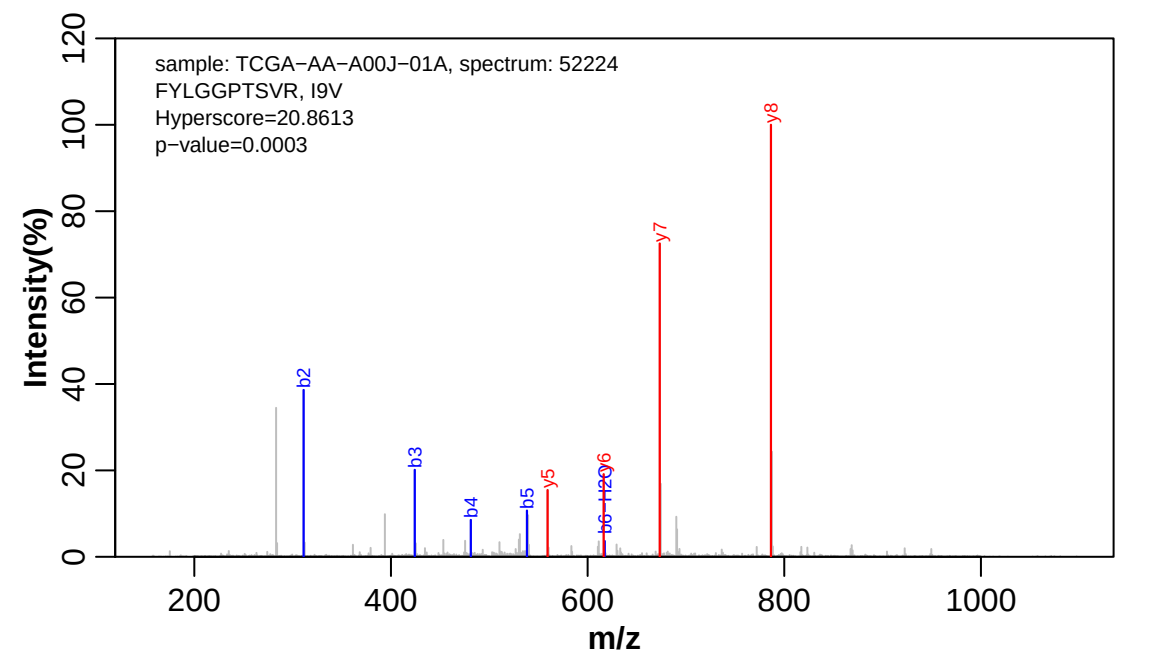

sample: TCGA−AA−A00J−01A, spectrum: 46288
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=22.4934
p−value=0.0001
Intensity(%)
m/z
b2
b4−NH3
y12+b6
y13++
y14++
y15++
y15++−H2O
y16++
y16++−H2O
y16++
y17++
y17++−H2O
y18++

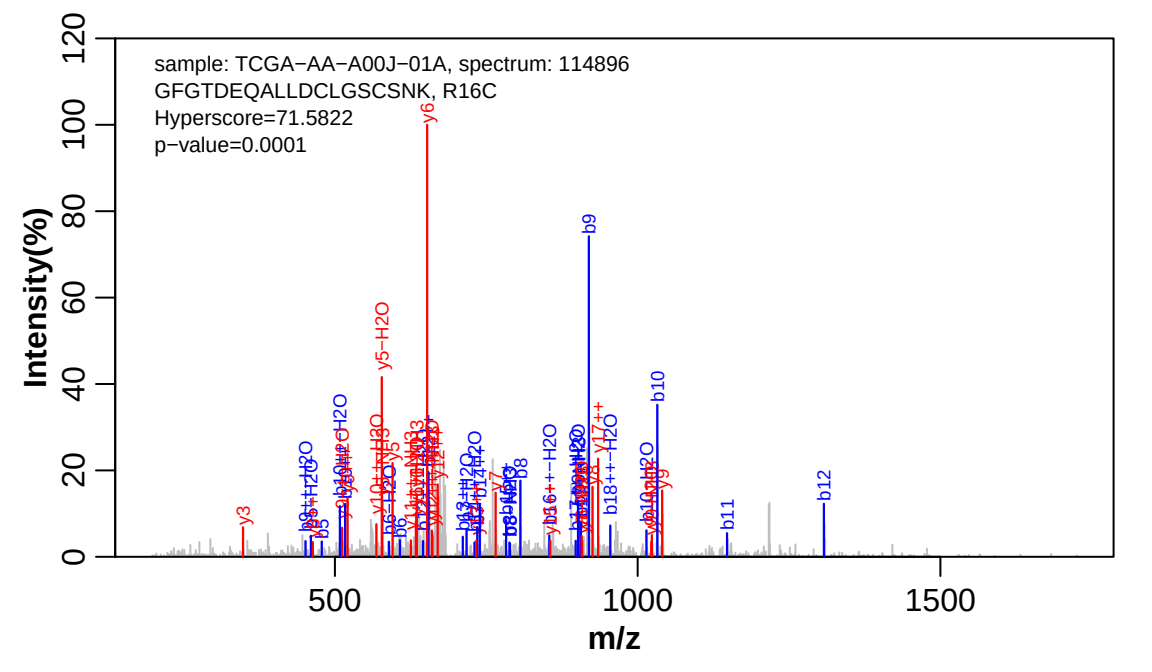

sample: TCGA−AA−A00J−01A, spectrum: 12573
FPGPCDYNFASDCR, L4P
Hyperscore=46.0905
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y3
y4
y5
b6
y6
y7
b7
b8
y8
b9−NH3
b10−NH3
b10
b11
y10
b12−H2O
b12
y11
y12
b13

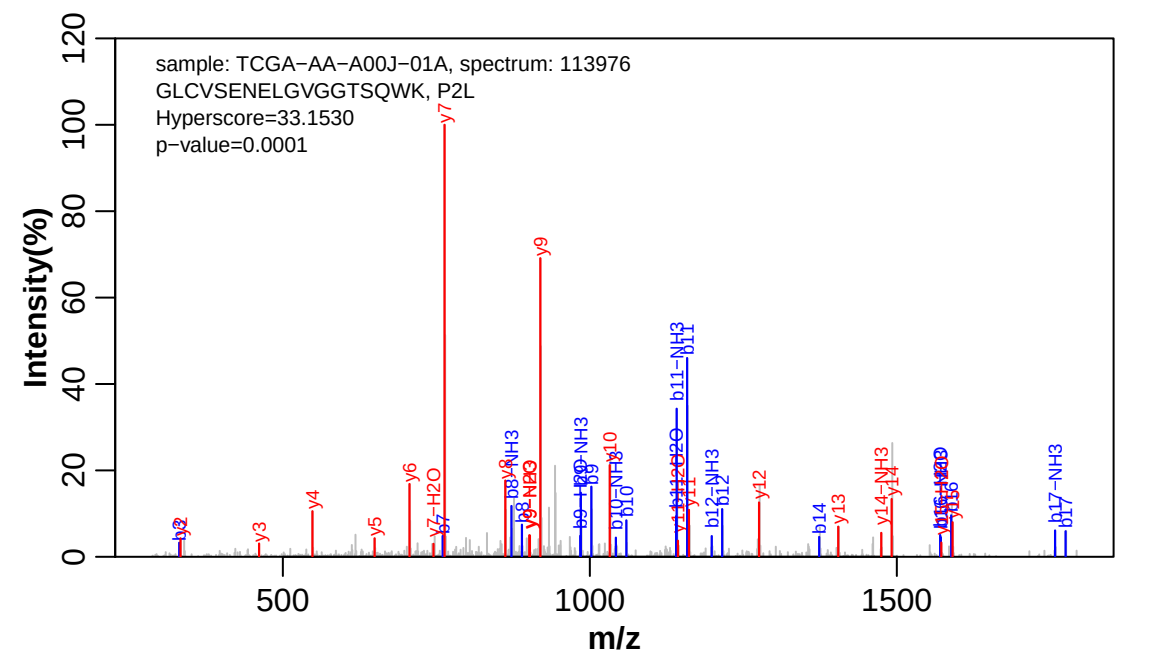

sample: TCGA−AA−A00J−01A, spectrum: 12491
FPGPCDYNFASDCRGSYK, L4P
Hyperscore=22.5005
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y6++
y10++
y11++−H2O
b6
b12++
y12++
y13++
y15++
y16++
y16++−H2O
b16++
b16++−NH3
b17
b17−NH3
b12

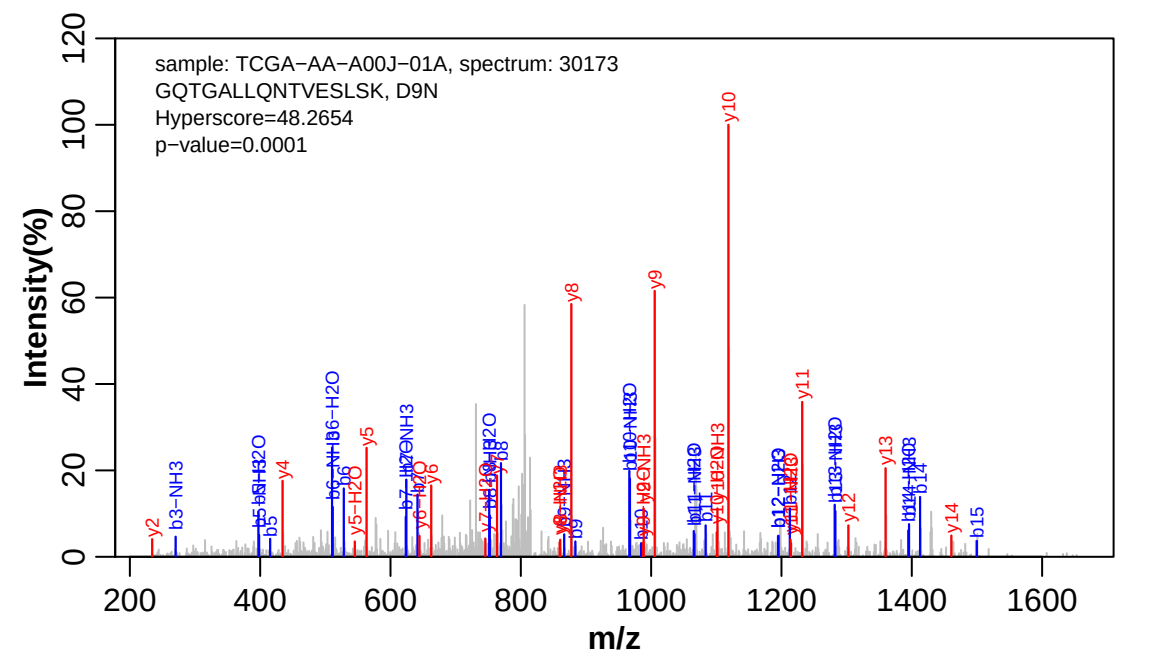

sample: TCGA−AA−A00J−01A, spectrum: 86995
FTVGDHSR, I3V
Hyperscore=20.0564
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
b3−H2O
y3
b5−NH3
b4
b5
y5
y6
b6−H2O
b6
b7
y7

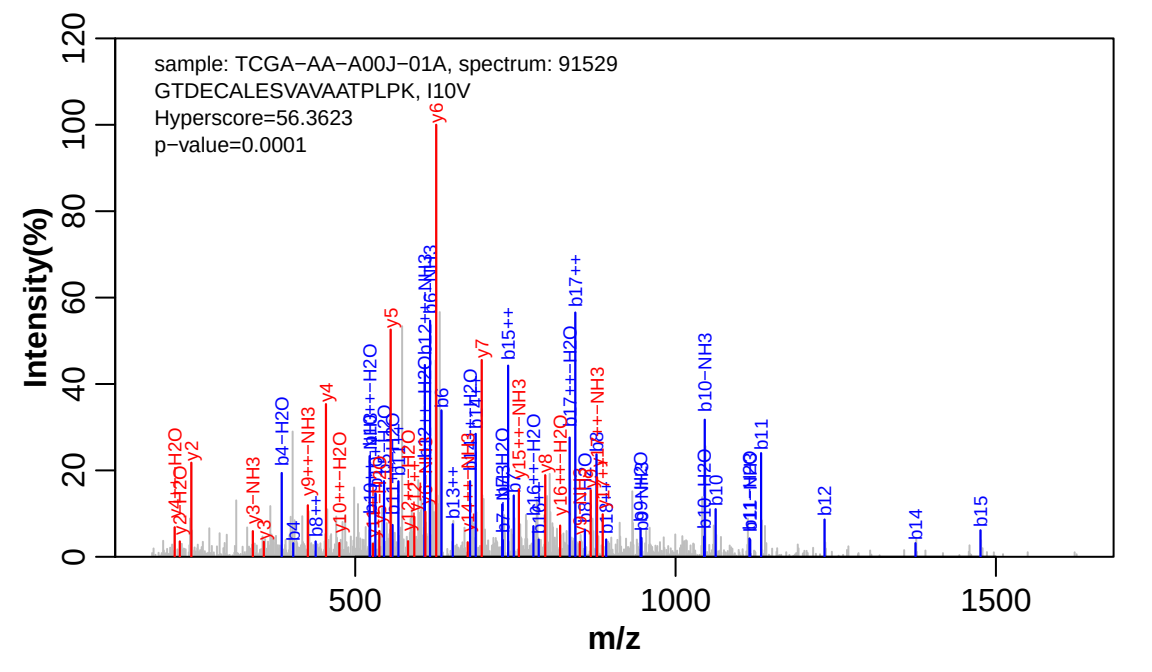

sample: TCGA−AA−A00J−01A, spectrum: 46262
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=94.8168
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b9++−NH3
y4
y5
y12++−H2O
y6
b25++
y14
b27++
b18
y18
b20
b17
y15−NH3
b16−NH3

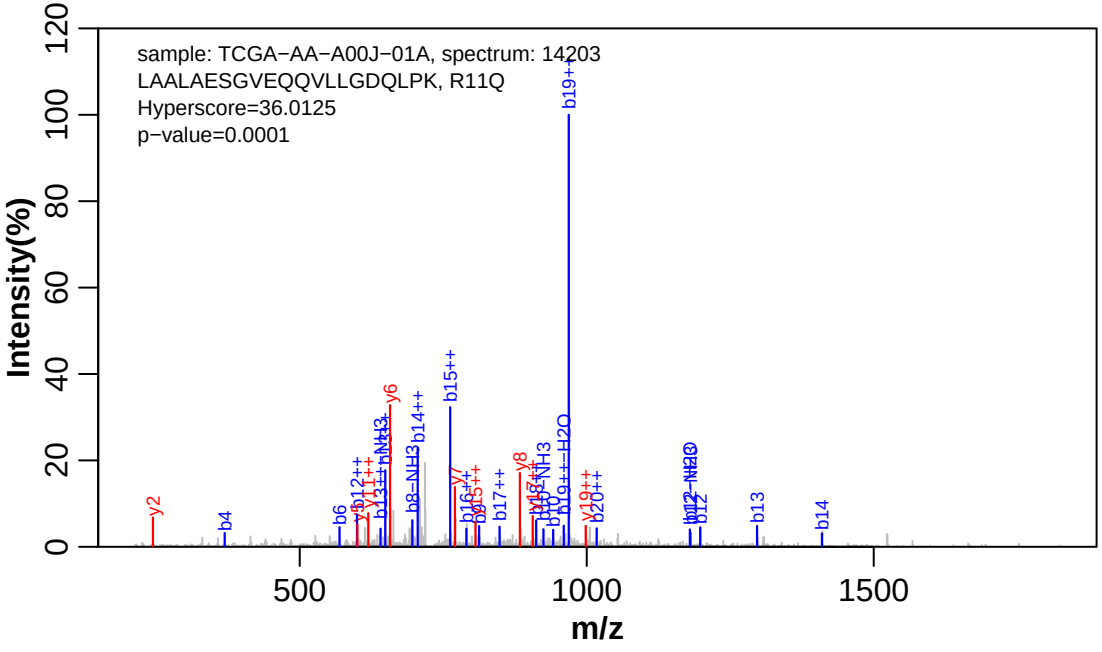

sample: TCGA−AA−A00J−01A, spectrum: 52224
FYLGGPTSVR, I9V
Hyperscore=20.8613
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8

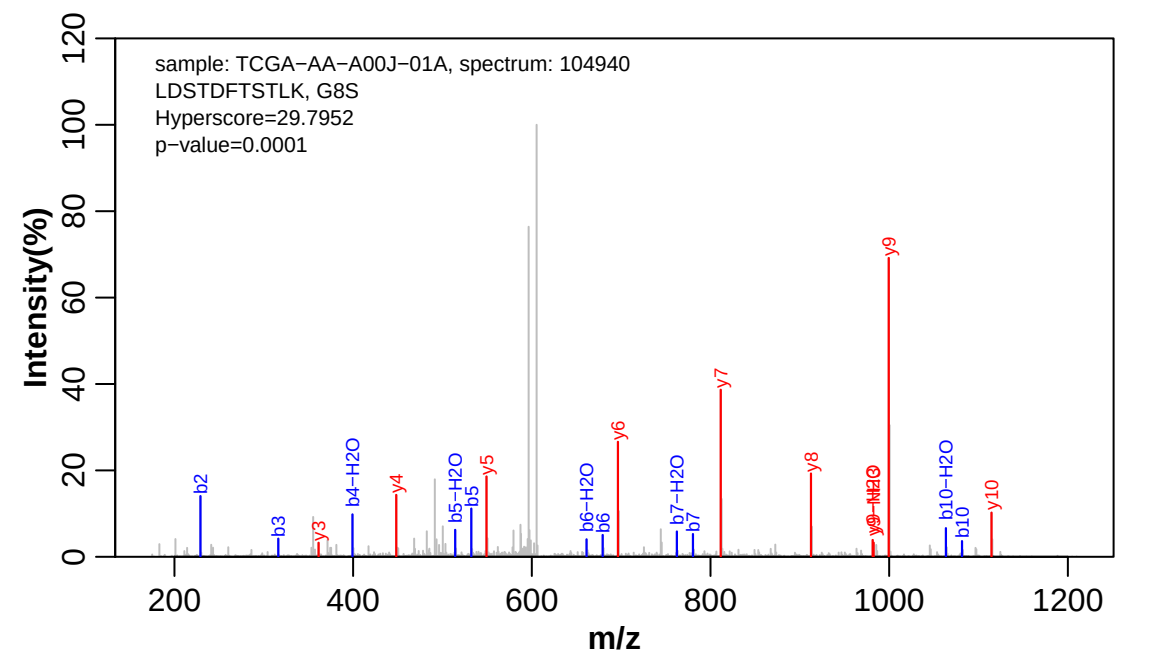

sample: TCGA−AA−A00J−01A, spectrum: 114896
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=71.5822
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
b11
y3

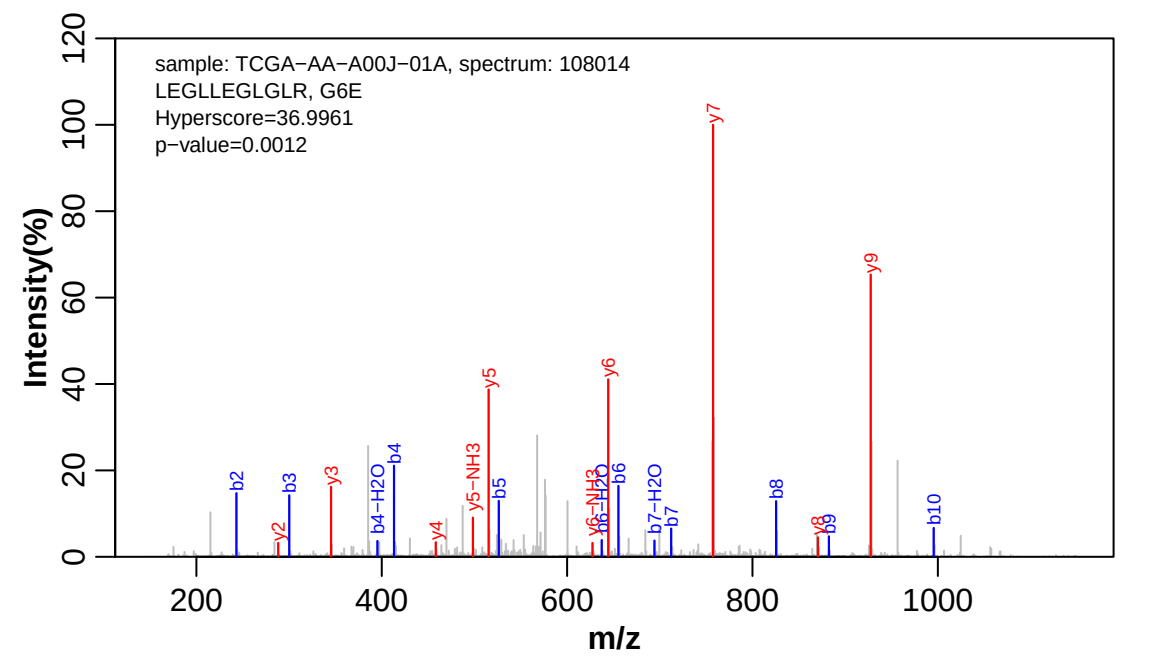

sample: TCGA−AA−A00J−01A, spectrum: 113976
GLCVSENELGVGGTSQWK, P2L
Hyperscore=33.1530
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y9
y6
y4
y5
y3
b2
y7−H2O
b11−NH3
b11
y12
y14−NH3
y14
b17−NH3
b14
y13
b12−NH3
b12

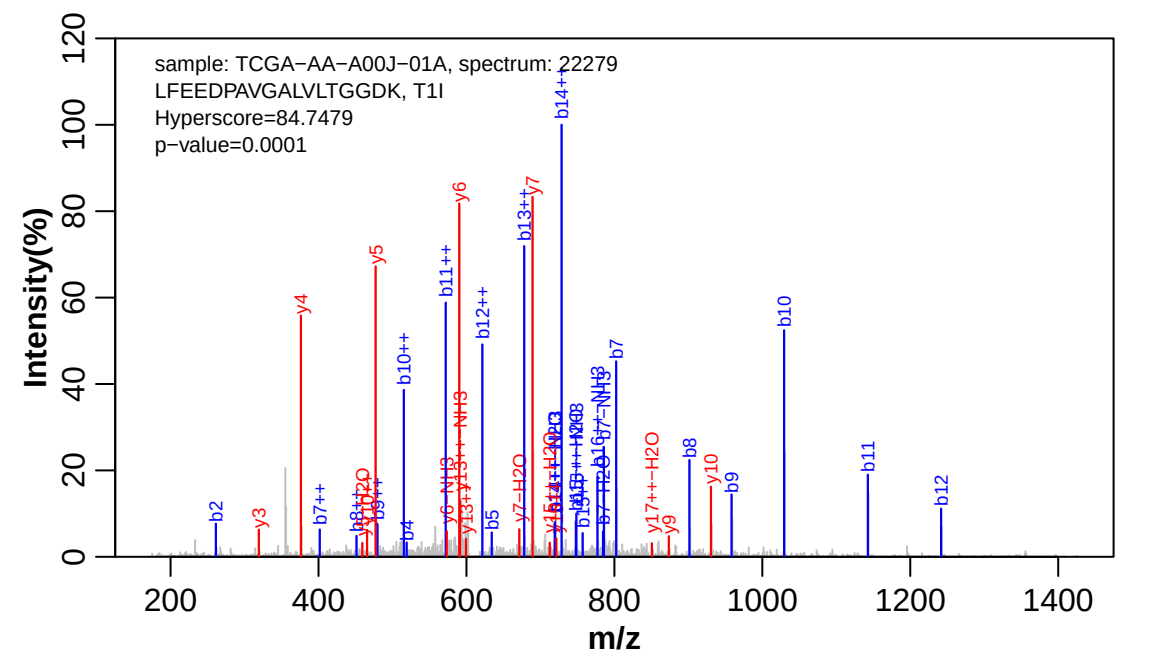

sample: TCGA−AA−A00J−01A, spectrum: 30173
GQTGALLQNTVESLSK, D9N
Hyperscore=48.2654
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y12
y13
y14
b15
y2
b3−NH3
y4
y5
y5−H2O
y6
b6−H2O
b6−NH3
b9
b11
b12
b13
b14

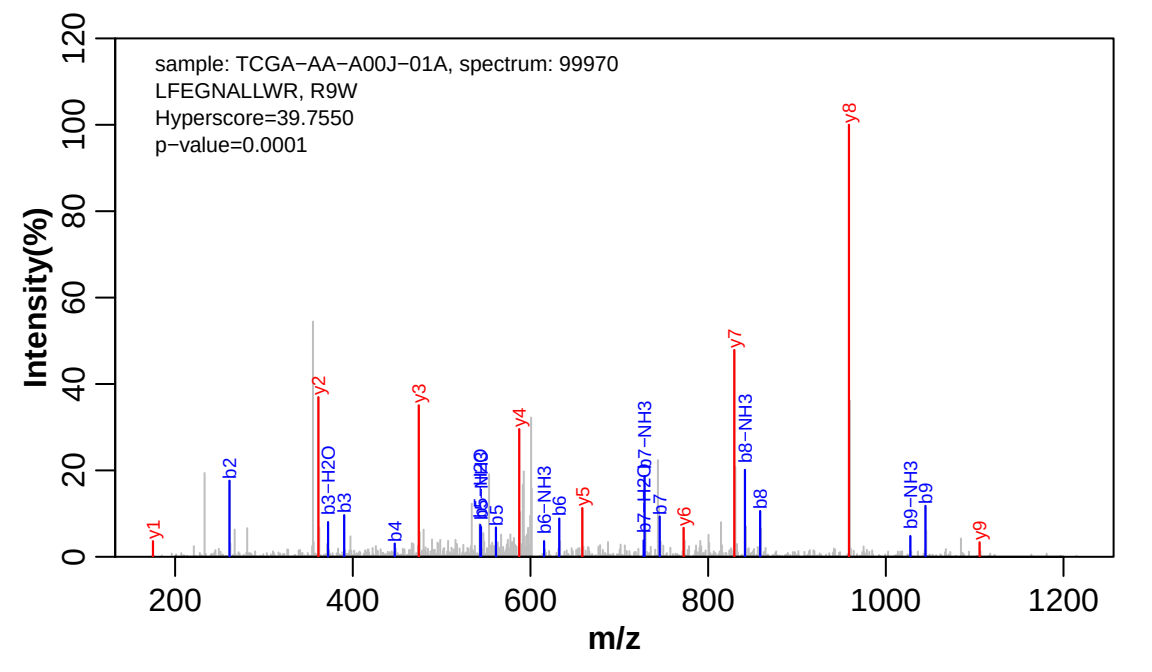

sample: TCGA−AA−A00J−01A, spectrum: 91529
GTDECALESVAVAATPLPK, I10V
Hyperscore=56.3623
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5
y4
y2
b4−H2O
b4
b8++
y9++−NH3
y10++−H2O
y3−NH3
y3
b10−NH3
b10−H2O
b10
b11
b12
b14
b15
b17++
b15++
y7
b6
b13++
y8
b17++−H2O
b17++−NH3

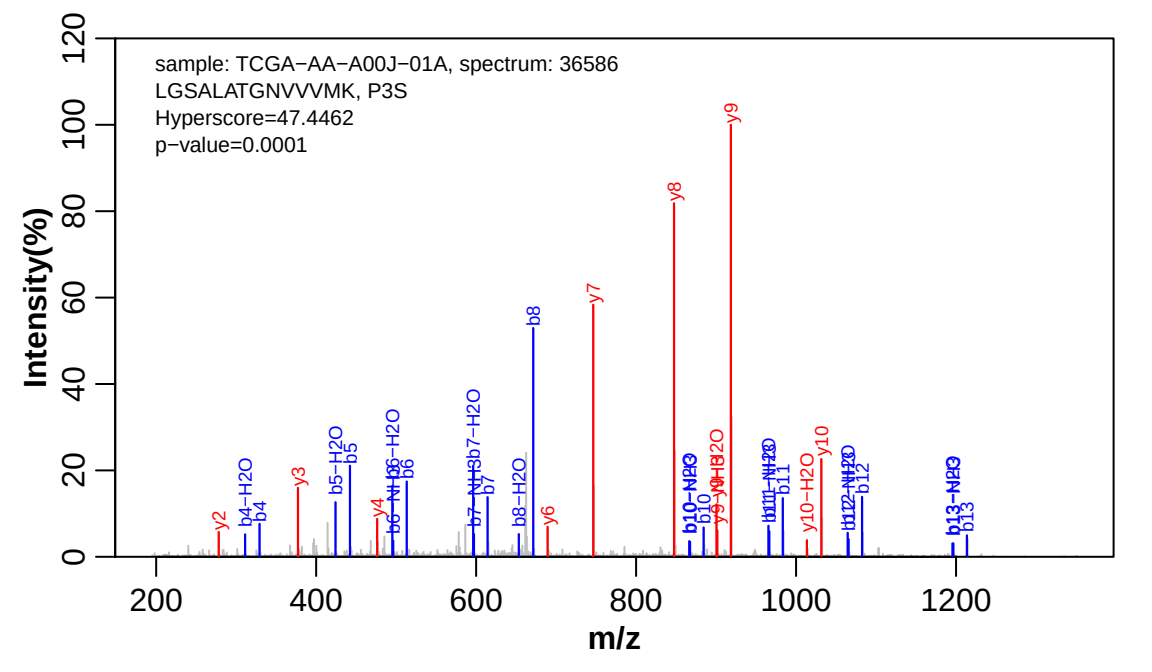

sample: TCGA−AA−A00J−01A, spectrum: 14203
LAALAESGVEQQVLLGDQLPK, R11Q
Hyperscore=36.0125
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b4
b6
b12++
y11++
b13++−NH3
y6
b14++
b8−NH3
b15++
y7
b16++
b15++
b17++
y8
b17++−NH3
b19++−H2O
b19++
y19++
b20++
b19++
b2−NH3
b12
b13
b14

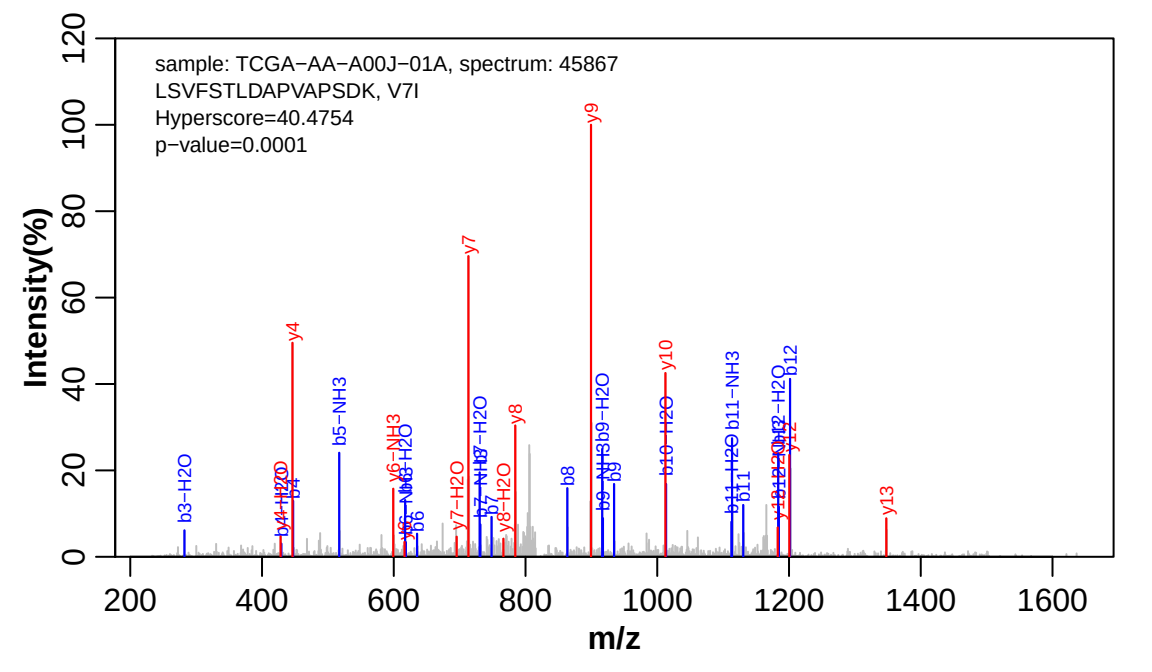

sample: TCGA−AA−A00J−01A, spectrum: 104940
LDSTDFTSTLK, G8S
Hyperscore=29.7952
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9−H2O
y9
b10−H2O
b10
y10

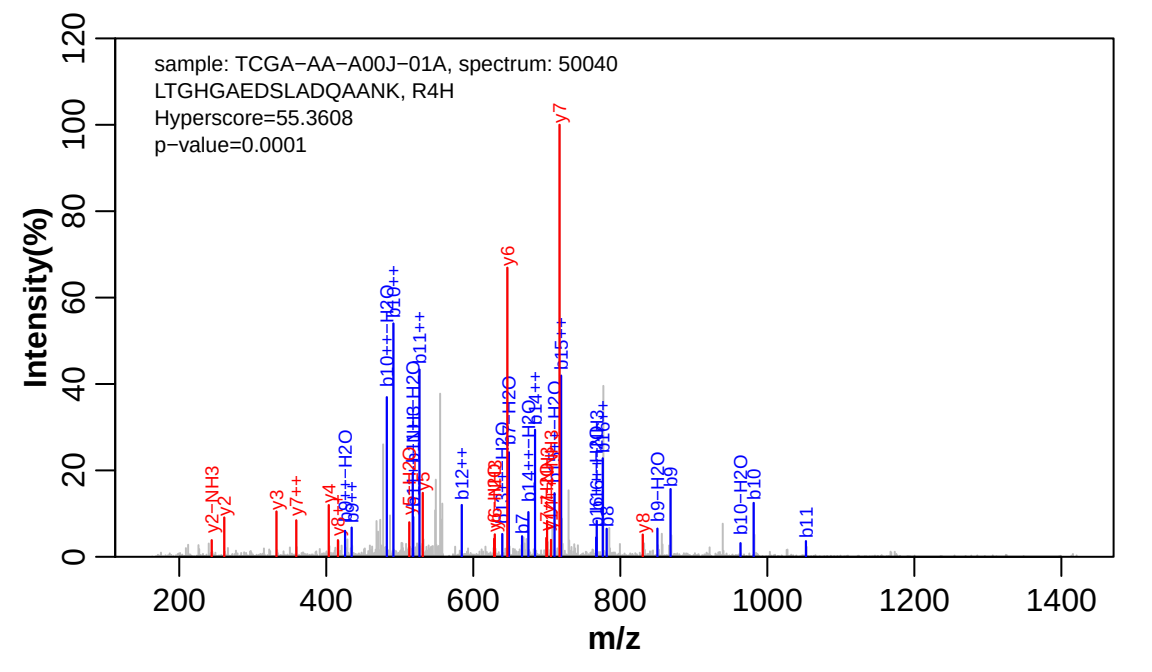

sample: TCGA−AA−A00J−01A, spectrum: 108014
LEGLLEGLGLR, G6E
Hyperscore=36.9961
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
b3
y3
b4−H2O
b4
y4
y5−NH3
y5
b5
y6−NH3
b6−H2O
y6
b6
b7−H2O
b7
y7
b8
y8
b9
y9
b10

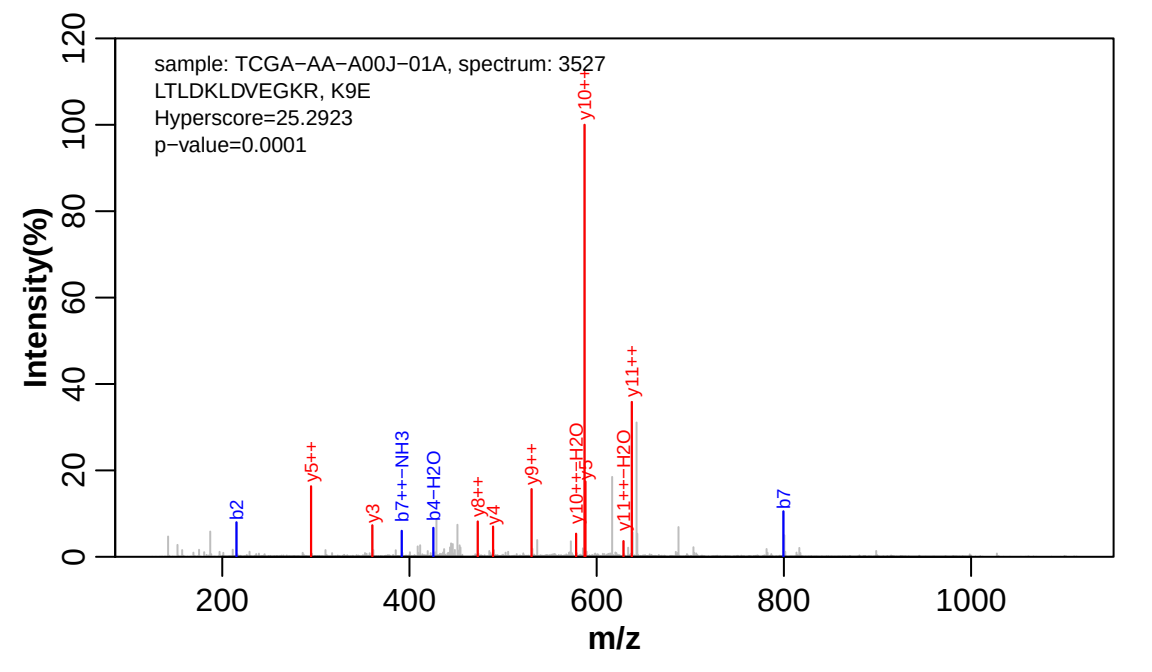

sample: TCGA−AA−A00J−01A, spectrum: 22279
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=84.7479
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
y5
b10++
b4
b11++
y6
b12++
b5
b13++
y7
y7−H2O
b14++
b7
b10
b8
y10
b9
y17++−H2O
y9
b11
b12

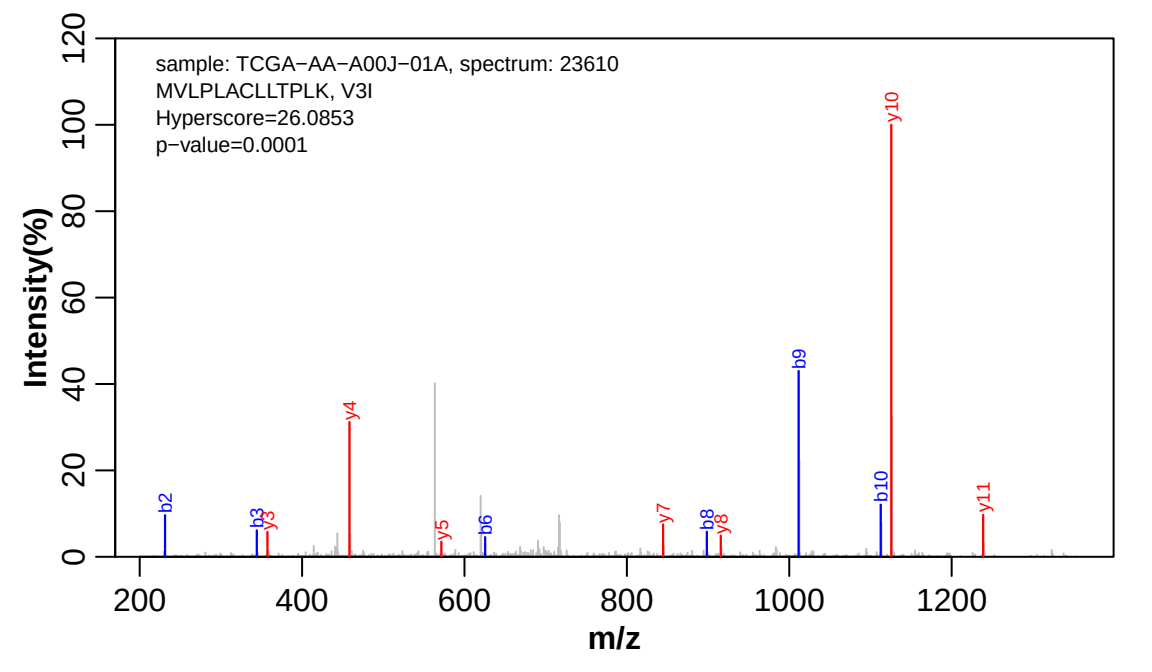

sample: TCGA−AA−A00J−01A, spectrum: 99970
LFEGNALLWR, R9W
Hyperscore=39.7550
p−value=0.0001
Intensity(%)
m/z
y1
b2
y2
b3−H2O
b3
b4
y3
b5
y4
b6−NH3
b6
y5
b7−H2O
b7−NH3
b7
y6
y7
b8−NH3
b8
y8
b9−NH3
b9
y9

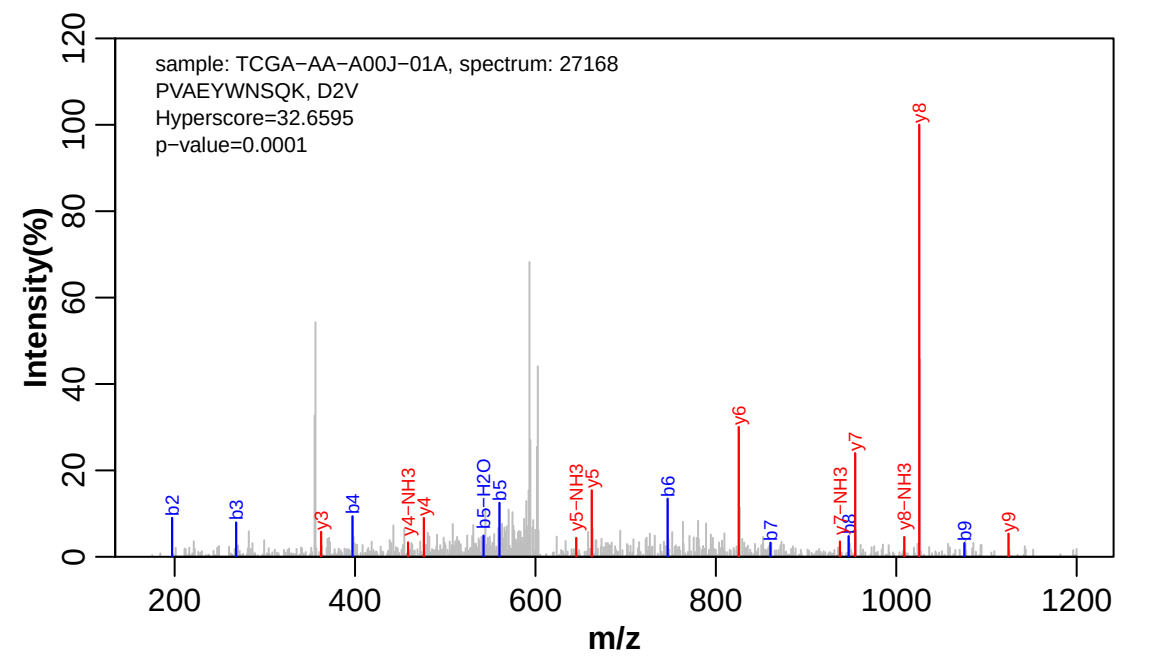

sample: TCGA−AA−A00J−01A, spectrum: 36586
LGSALATGNVVVMK, P3S
Hyperscore=47.4462
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b4−H2O
b4
y3
b5−H2O
b5
y4
b6−NH3
b6−H2O
b6
b7−NH3
b7−H2O
b7
b8−H2O
b8
y6
y7
y8
y9
b10−NH3
b10−H2O
b10
y9−NH3
y9−H2O
b11−NH3
b11−H2O
b11
y10−H2O
y10
b12−NH3
b12−H2O
b12
b13−NH3
b13

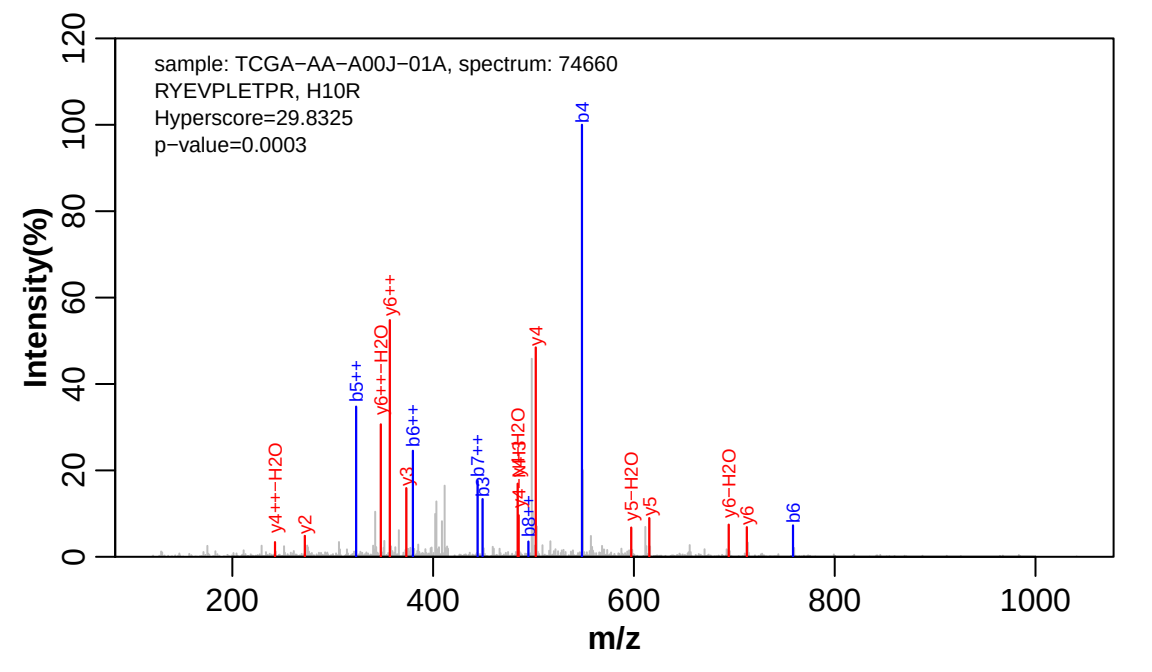

sample: TCGA−AA−A00J−01A, spectrum: 45867
LSVFSTLDAPVAPSDK, V7I
Hyperscore=40.4754
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y7
y4
y8
y10
y13
b12
b5−NH3
b10−H2O
b11−NH3
b11−H2O
b9−NH3
b9−H2O
b8
b3−H2O
y7−H2O
y8−H2O

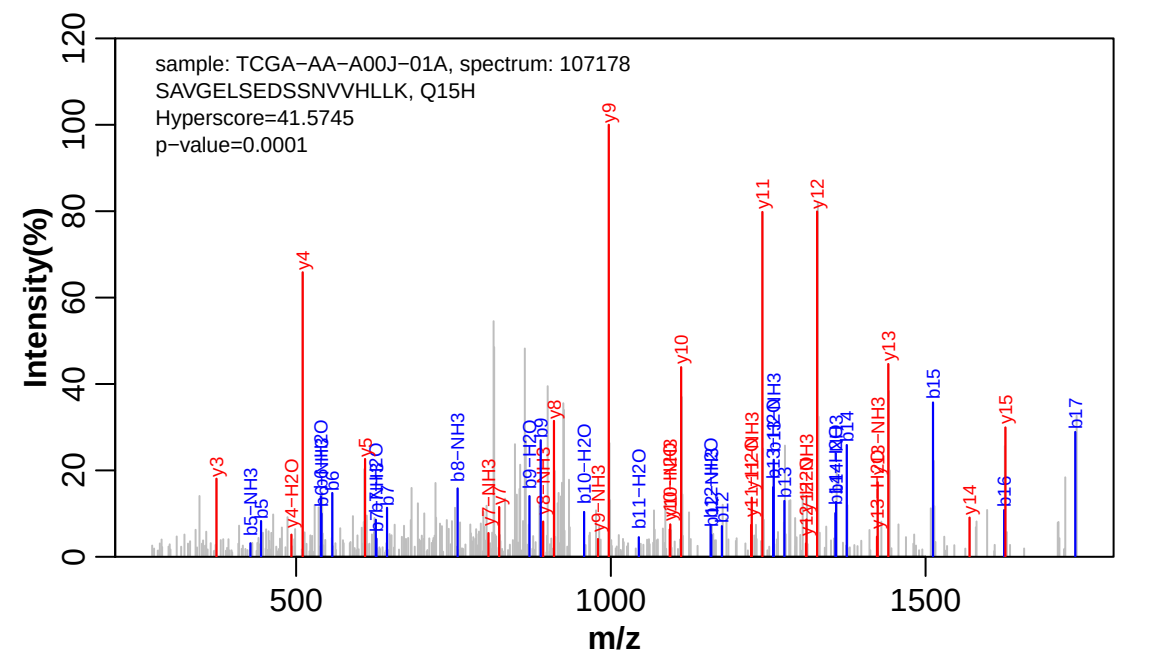

sample: TCGA−AA−A00J−01A, spectrum: 50040
LTGHGAEDSLADQAANK, R4H
Hyperscore=55.3608
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y6
y5
y4
y3
y2
y2−NH3
y7++
y8
b9
b10
b11
b12++
b15++
b10++−H2O
b11++
b10++
b14++
b7
b8
b9−H2O
b10−H2O

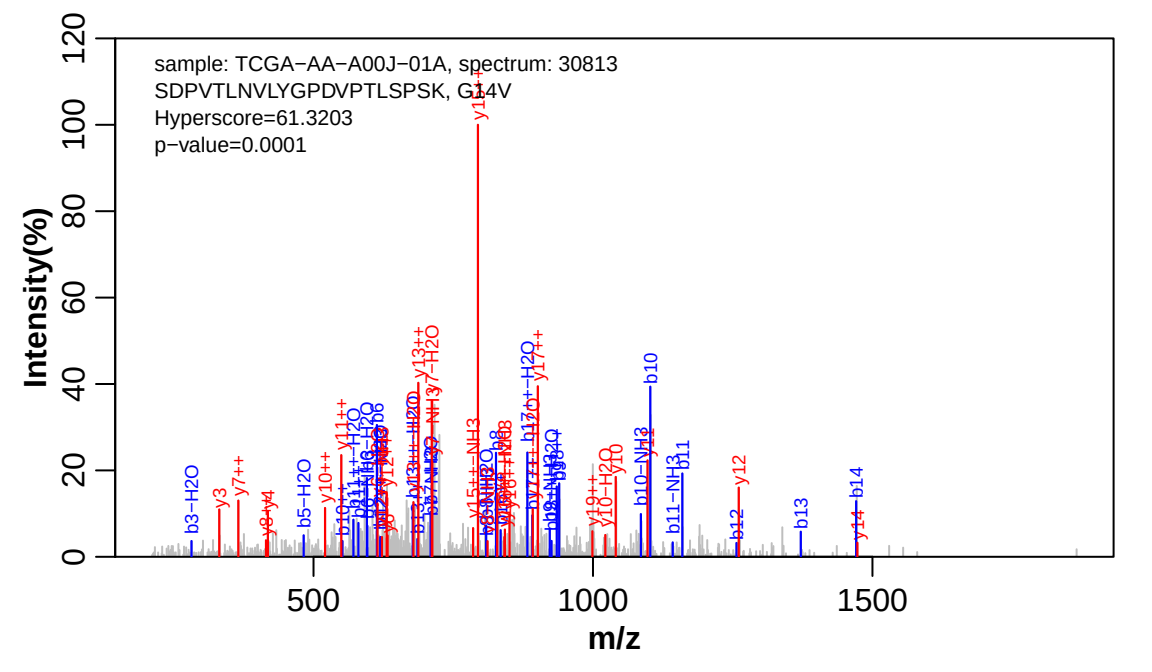

sample: TCGA−AA−A00J−01A, spectrum: 3527
LTLDKLDVEGKR, K9E
Hyperscore=25.2923
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b2
y5++
y3
b7++−NH3
b4−H2O
y8++
y4
y9++
y10++−H2O
y10++
y5
y11++−H2O
y11++
b7

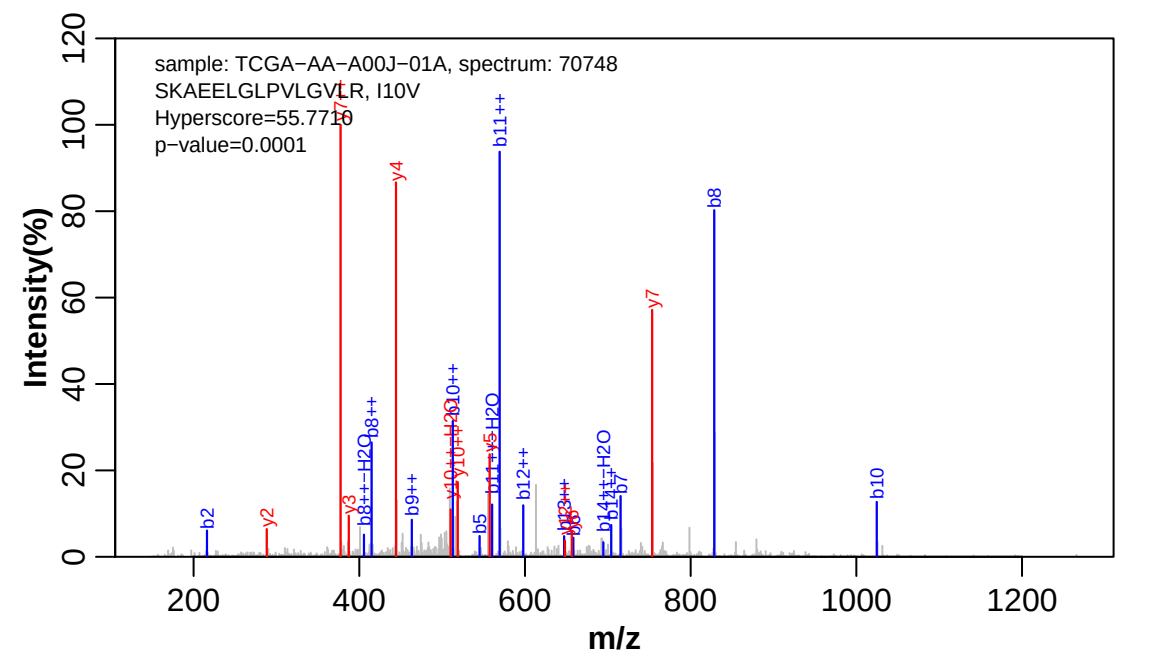

sample: TCGA−AA−A00J−01A, spectrum: 23610
MVLPLACLLTPLK, V3I
Hyperscore=26.0853
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
y4
y5
b6
y7
b8
y8
b9
b10
y10
y11

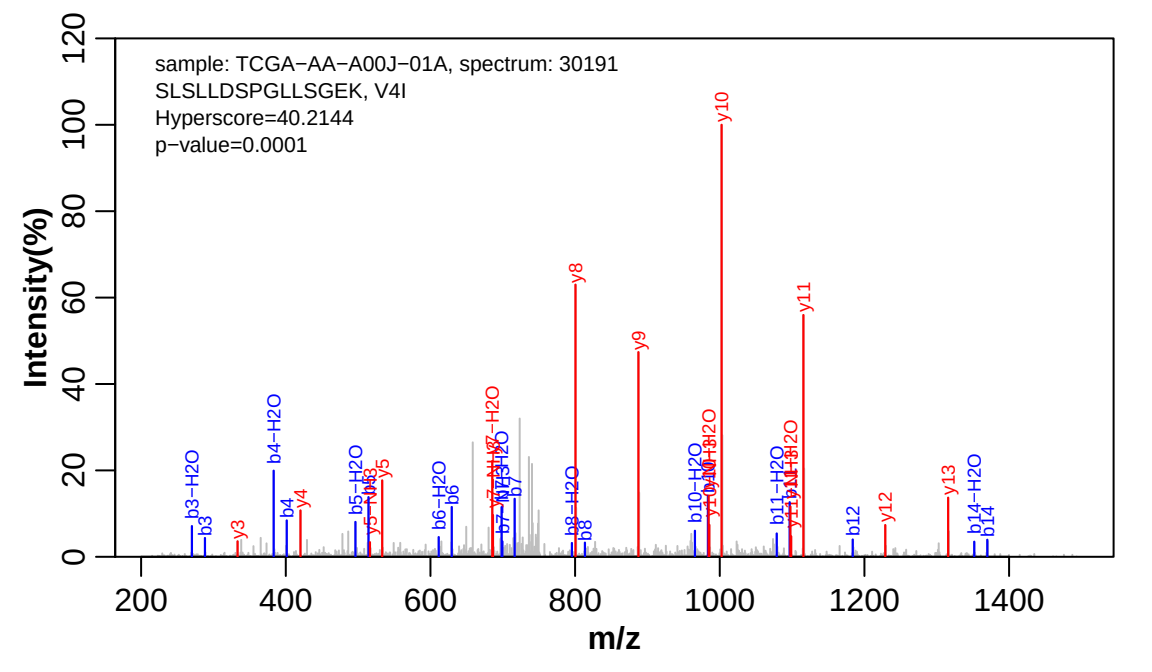

sample: TCGA−AA−A00J−01A, spectrum: 27168
PVAEYWNSQK, D2V
Hyperscore=32.6595
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4
y4−NH3
y4
b5−H2O
b5
y5−NH3
y5
b6
y6
b7
y7−NH3
y7
b8
y8−NH3
y8
b9
y9

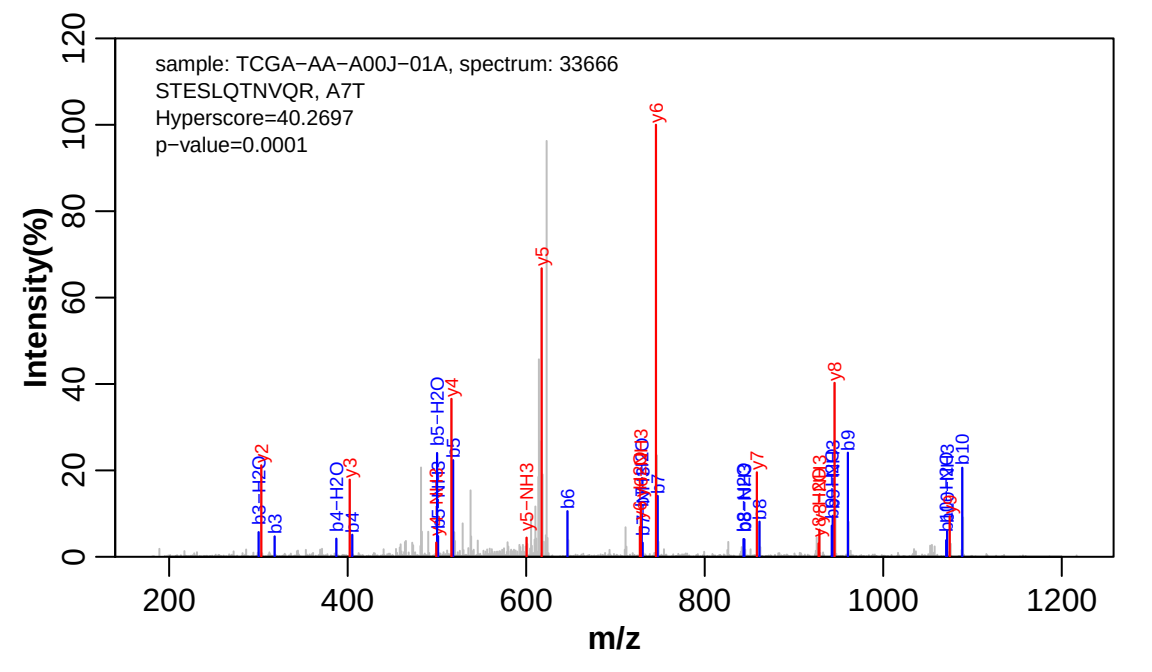

sample: TCGA−AA−A00J−01A, spectrum: 74660
RYEVPLETPR, H10R
Hyperscore=29.8325
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b4
y6++
y6++−H2O
b5++
b6++
y3
y4
y4++−H2O
y2
b7++
b3
y5−H2O
y5
y6−H2O
y6
b6

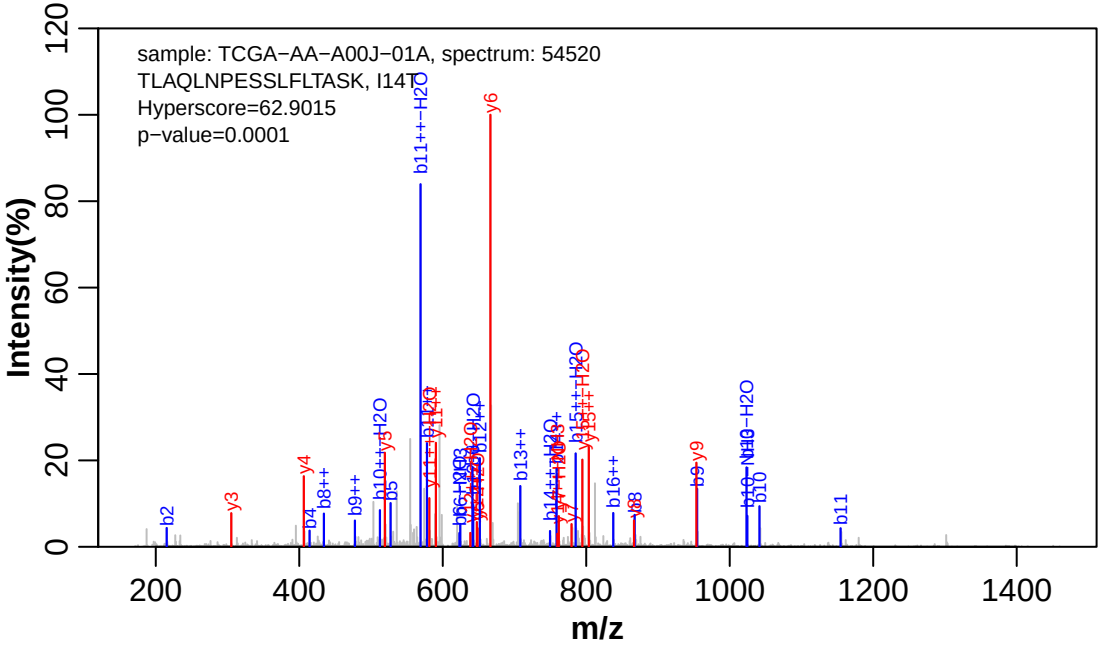

sample: TCGA−AA−A00J−01A, spectrum: 107178
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=41.5745
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y4
y11
y12
y10
y13
y15
b17
b15
y14
b16
y3
y4−H2O
b5−NH3
b8−NH3
y7−NH3
b9−H2O
y8
b10−H2O
y9−NH3
b11−H2O

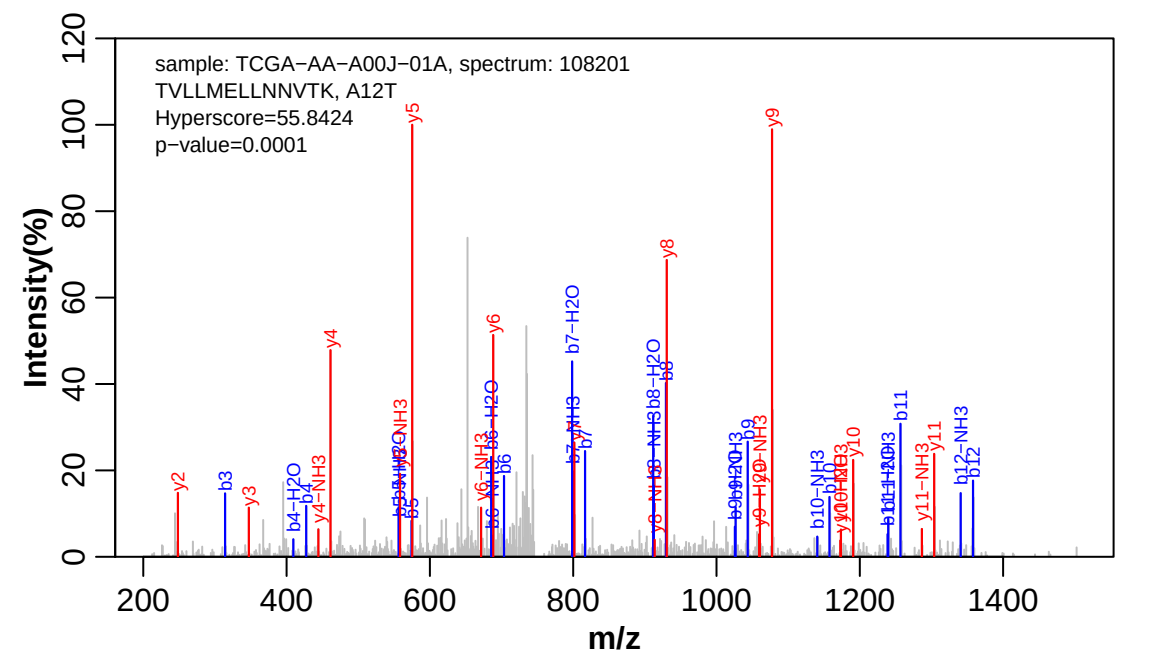

sample: TCGA−AA−A00J−01A, spectrum: 30813
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=61.3203
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y3
y7++
y8−y4
b5−H2O
y10++
y11++
y15++−NH3
y16++
y13++
y7−H2O
y17++
b10
b11
y12
b12
b13
y14
b14

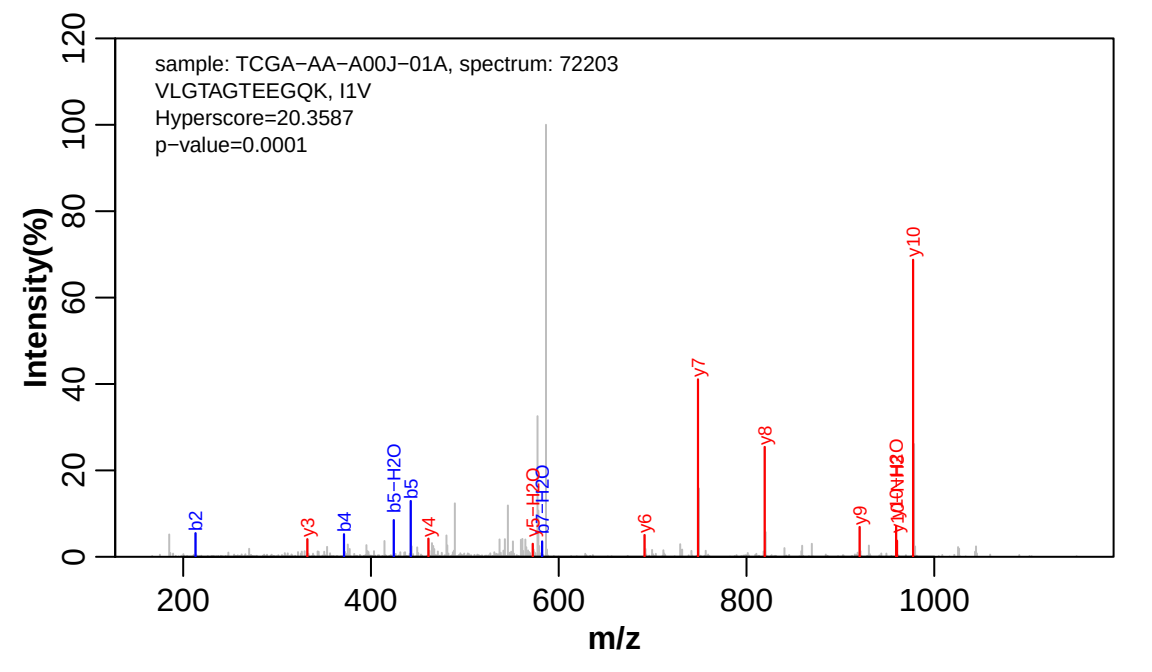

sample: TCGA−AA−A00J−01A, spectrum: 70748
SKAEELGLPVLGVLR, I10V
Hyperscore=55.7710
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
y7
b8++−H2O
b8++
y4
b9++
b11++
b12++
b5
b7
b8
b10
y7

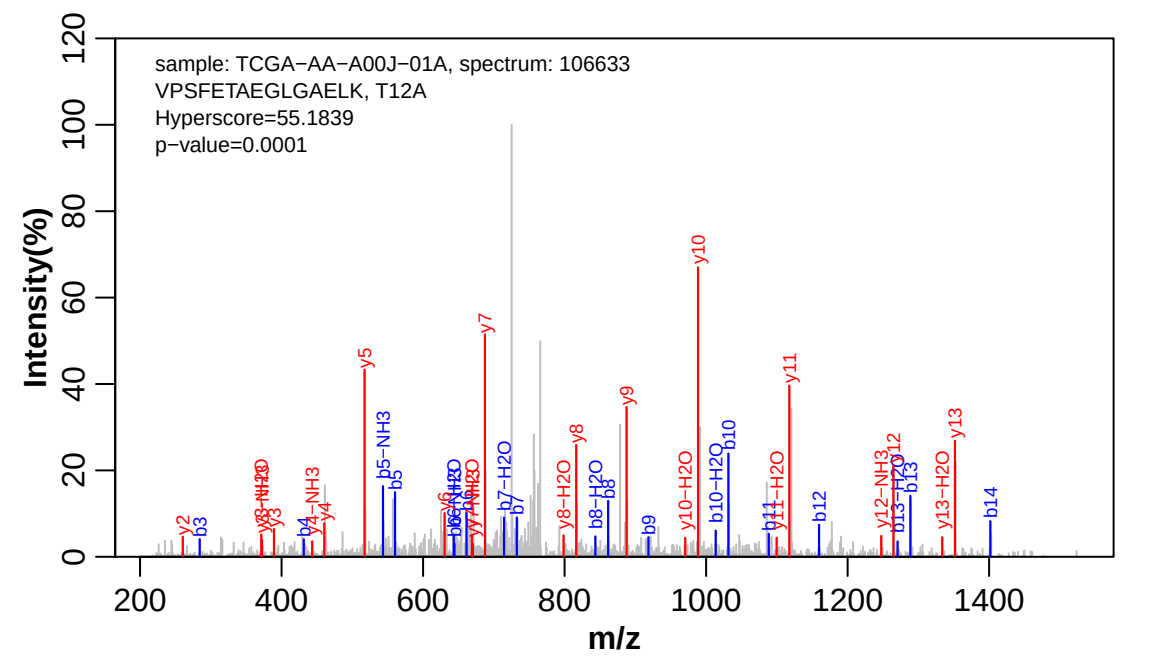

sample: TCGA−AA−A00J−01A, spectrum: 30191
SLSLLDSPGLLSGEK, V4I
Hyperscore=40.2144
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
y5−NH3
y5
b6−H2O
b6
b7−NH3−H2O
b7−H2O
b7
b8−H2O
b8
y8
y9
y10
b10−H2O
y10−H2O
b11−H2O
y11−H2O
y11
b12
y12
y13
b14−H2O
b14

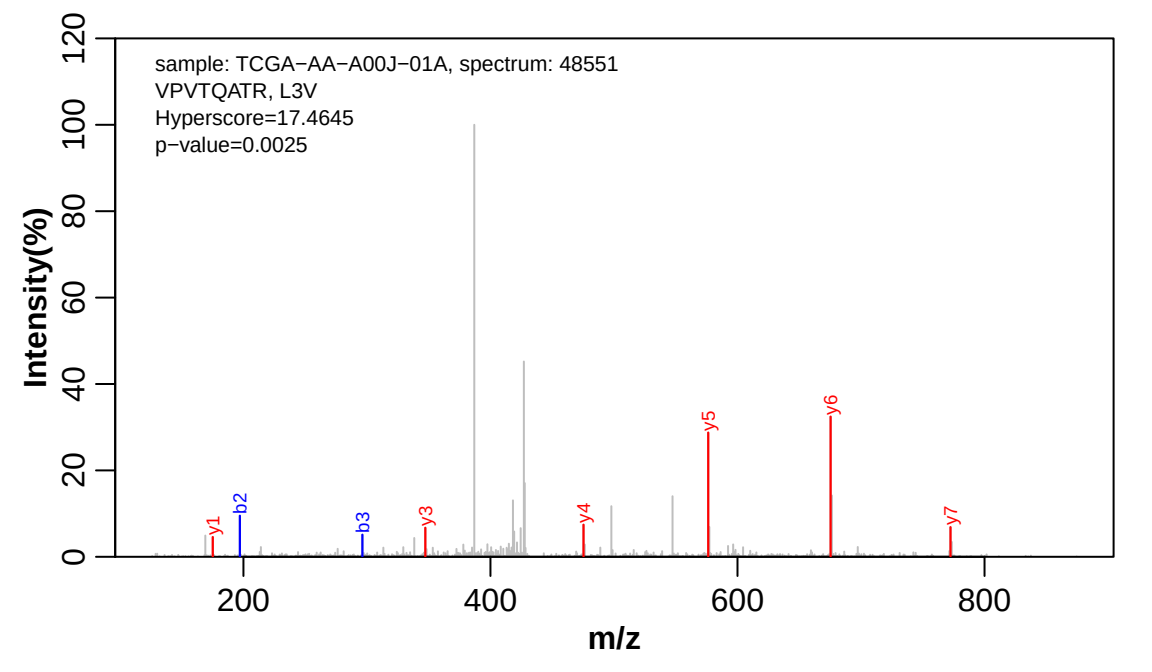

sample: TCGA−AA−A00J−01A, spectrum: 33666
STESLQTNVQR, A7T
Hyperscore=40.2697
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y8
y4
b5−H2O
b5
y5−NH3
b6
b4−H2O
y3
b3−H2O
y2
b3
b4
b8
y7
b9
b10

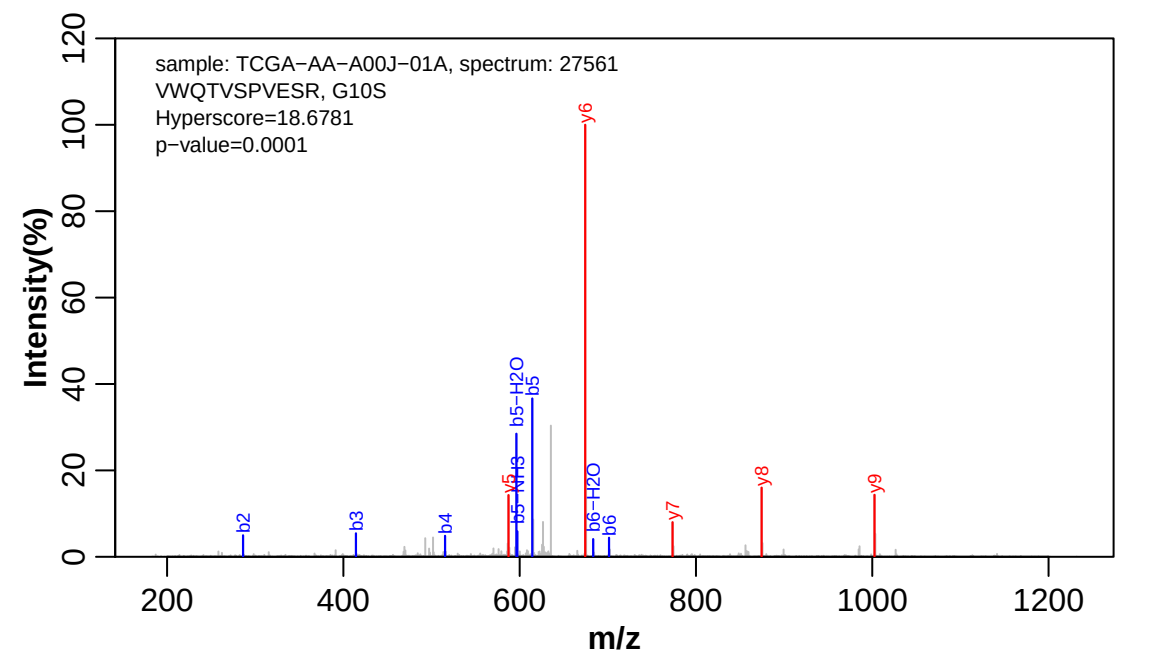

sample: TCGA−AA−A00J−01A, spectrum: 54520
TLAQLNPESSLFLTASK, I14T
Hyperscore=62.9015
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b4
b8++
b9++
b10++
y3+H2O
b5
b11++−H2O
y6
y11−H2O
y11
b12
b13++
b14++
b16++
y8
y15++−H2O
y15++
b9−y9
b10−NH3
b10−H2O
b10
b11

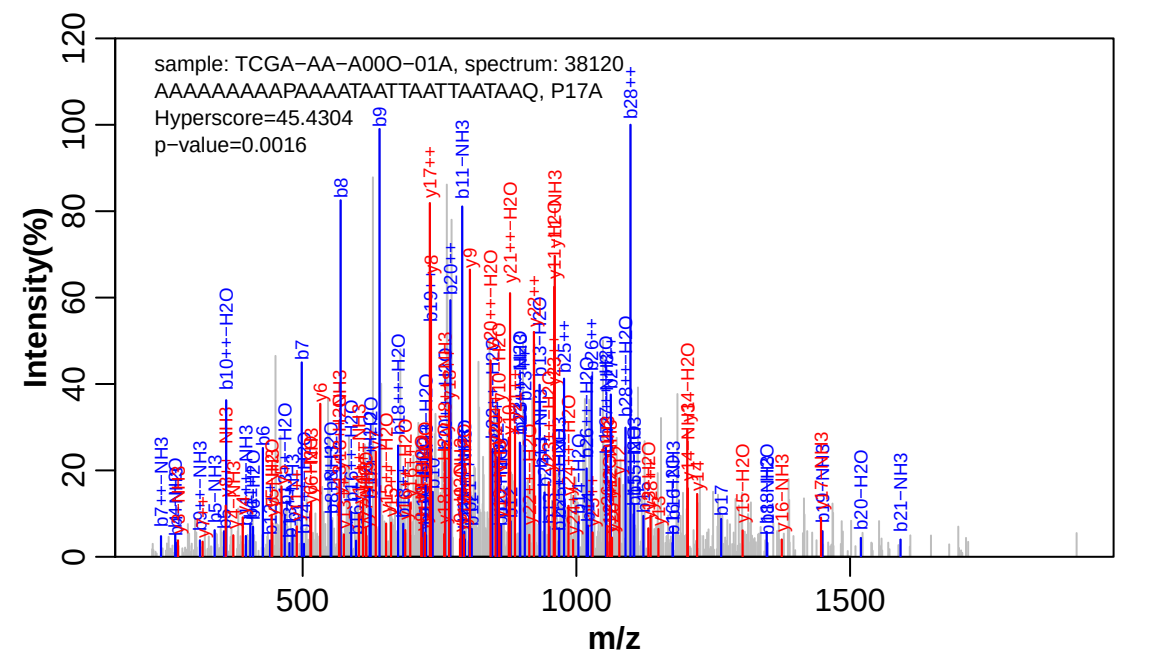

sample: TCGA−AA−A00J−01A, spectrum: 108201
TVLLMELLNNVTK, A12T
Hyperscore=55.8424
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4−H2O
b2
y4−NH3
y4
y5
y6−NH3
y6
b6
b7−H2O
b7−NH3
b7
b8−H2O
b8
b8−NH3
y8
y8−NH3
y8−H2O
b9
y9−H2O
y9−NH3
y9
b10−NH3
b10
y10
y11−NH3
b11
y11
b12−NH3
b12

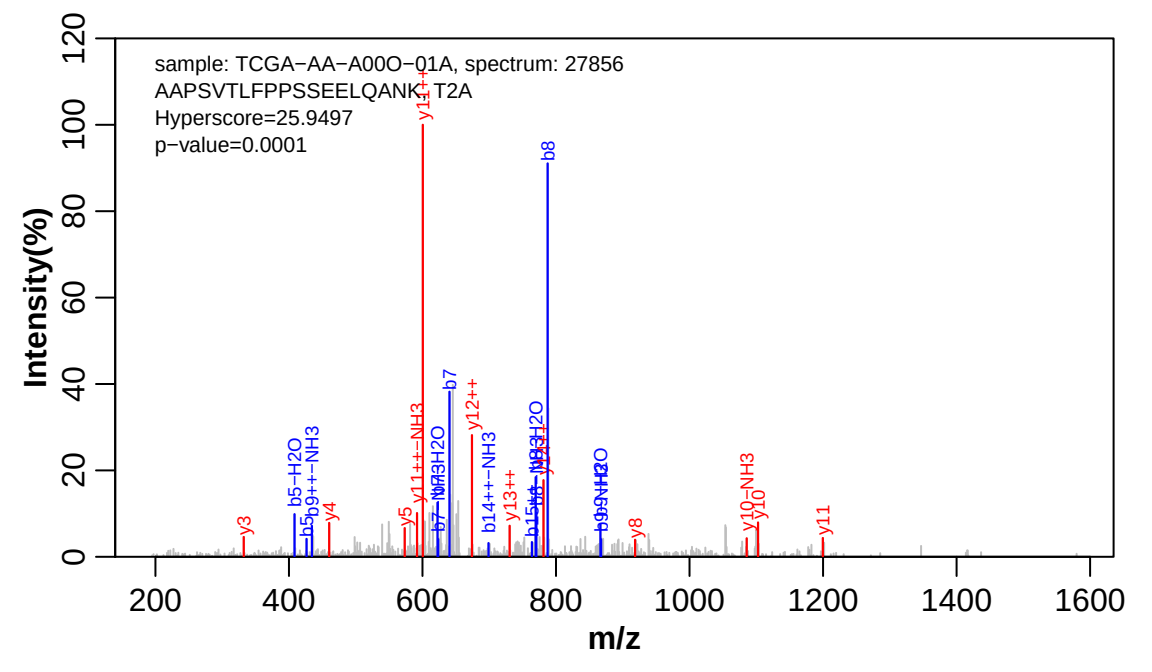

sample: TCGA−AA−A00J−01A, spectrum: 72203
VLGTAGTEEGQK, I1V
Hyperscore=20.3587
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y3
b4
b5−H2O
b5
y4
y5−H2O
b7−H2O
y6
y7
y8
y9
y10

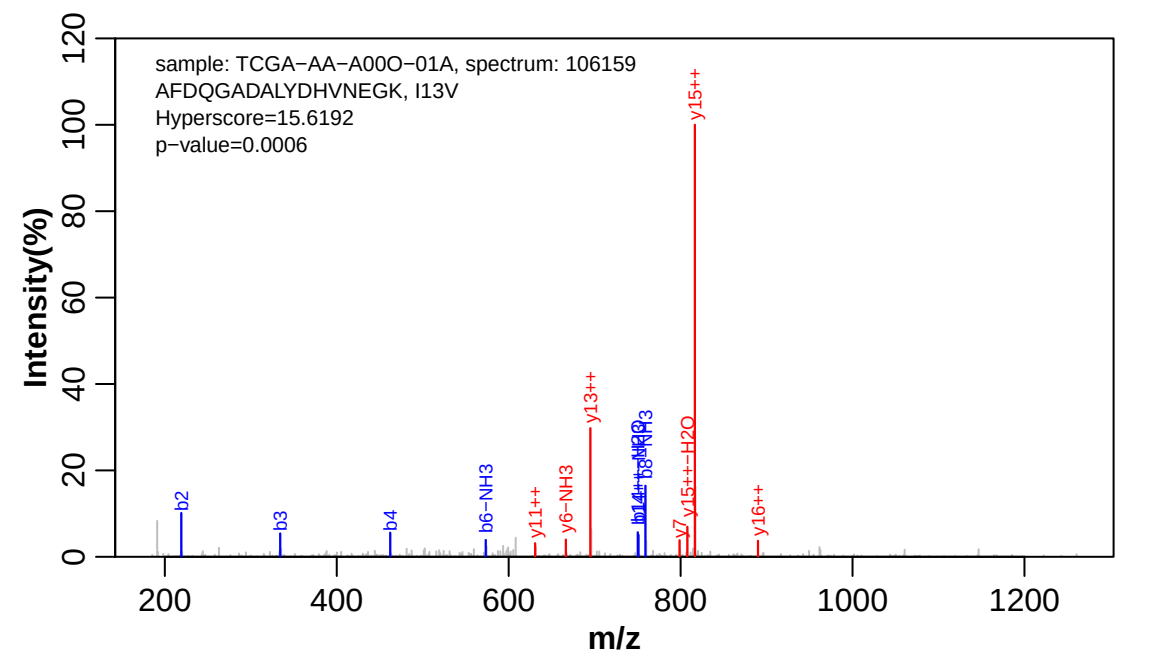

sample: TCGA−AA−A00J−01A, spectrum: 106633
VPSFETAEGLGAELK, T12A
Hyperscore=55.1839
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
b4−NH3
y4
y5
b5−NH3
b5
y7
b7−H2O
b7
y8
y8−H2O
b8−H2O
b8
b9
y9
y10
y10−H2O
b10−H2O
b10
y11
y11−H2O
b12
y12−NH3
b13−H2O
b13
y12
y13
y13−H2O
b14

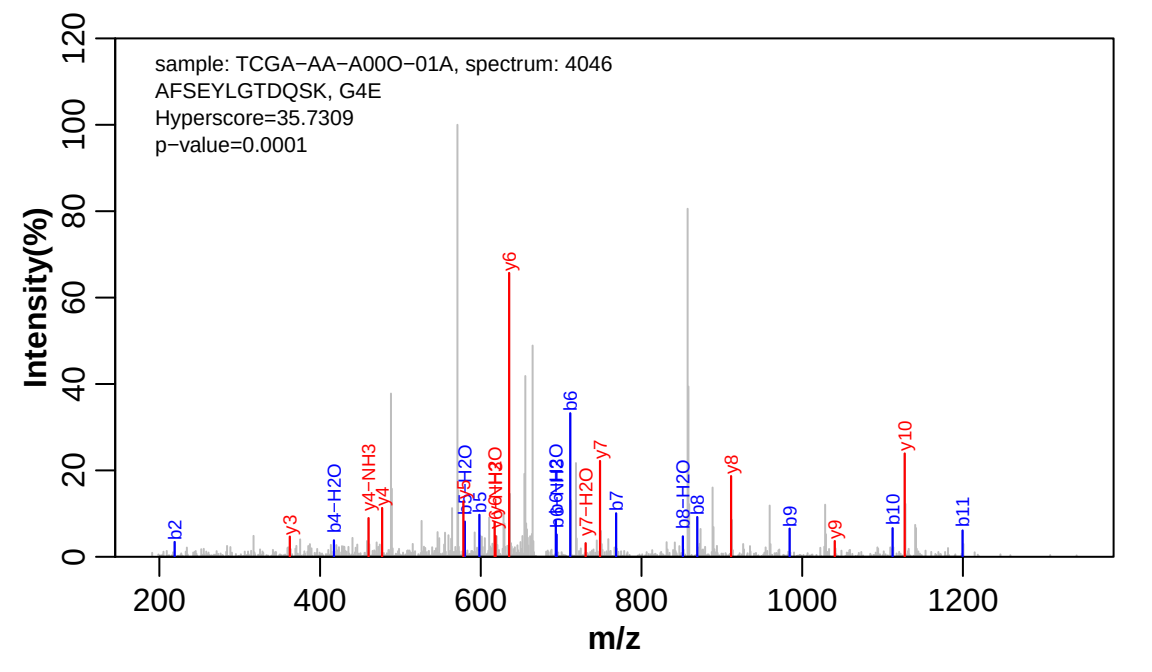

sample: TCGA−AA−A00J−01A, spectrum: 48551
VPVTQATR, L3V
Hyperscore=17.4645
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
y4
y5
y6
y7

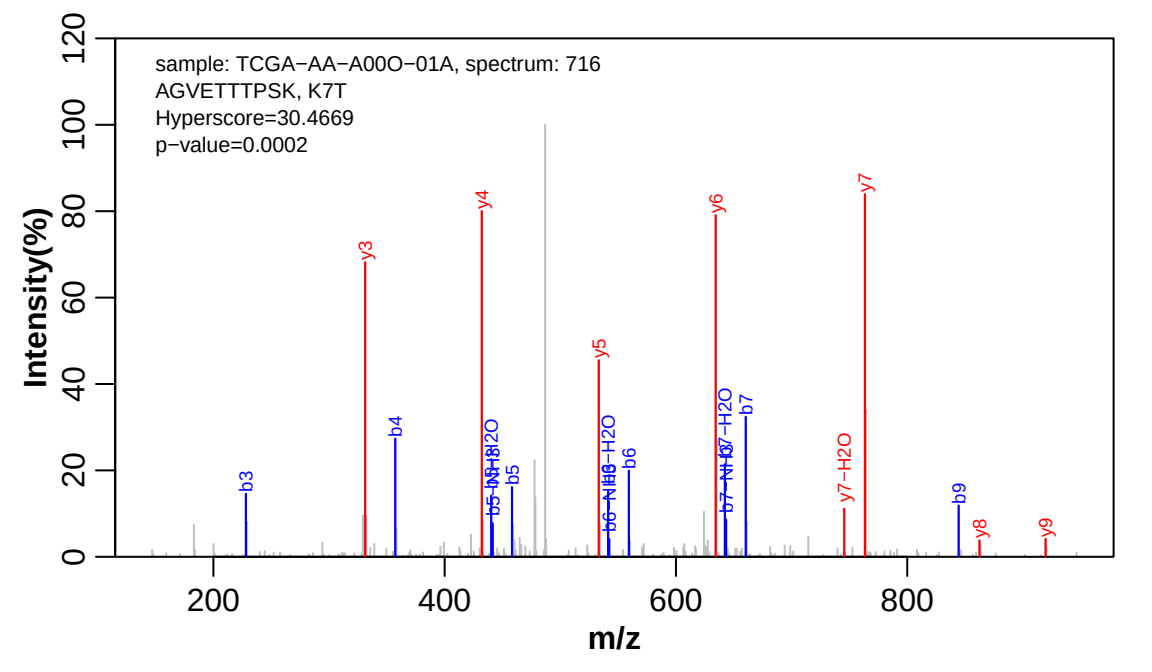

sample: TCGA−AA−A00J−01A, spectrum: 27561
VWQTVSPVESR, G10S
Hyperscore=18.6781
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
b5−H2O
b5
y5
b5−NH3
b6−H2O
b6
y7
y8
y9
b2
b3
b4

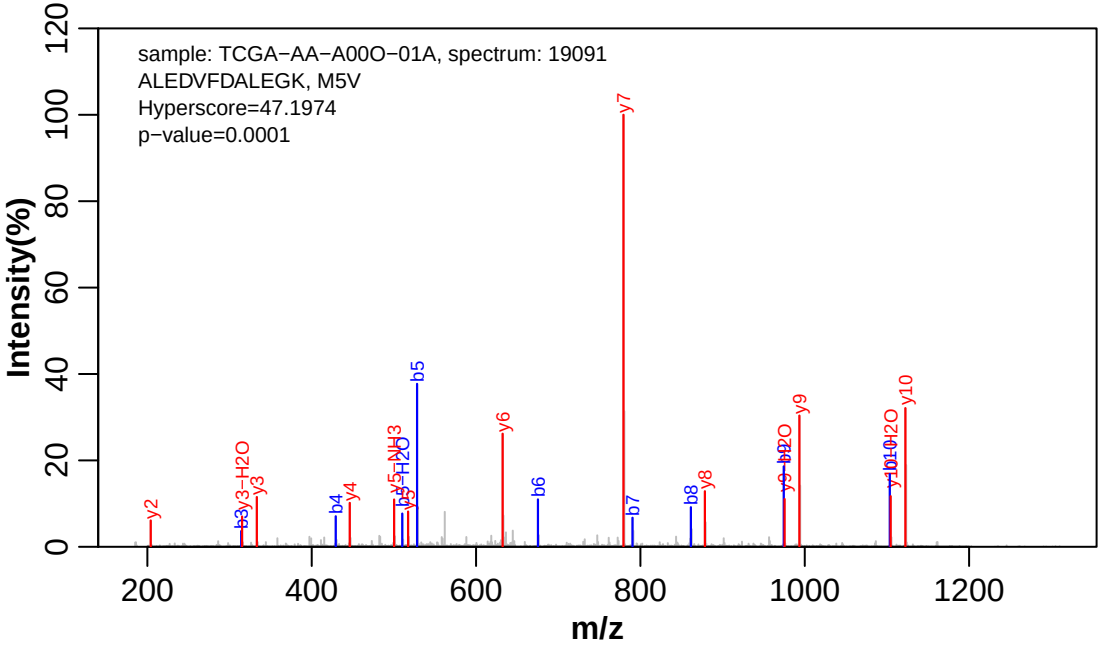

sample: TCGA−AA−A00O−01A, spectrum: 38120
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=45.4304
p−value=0.0016
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

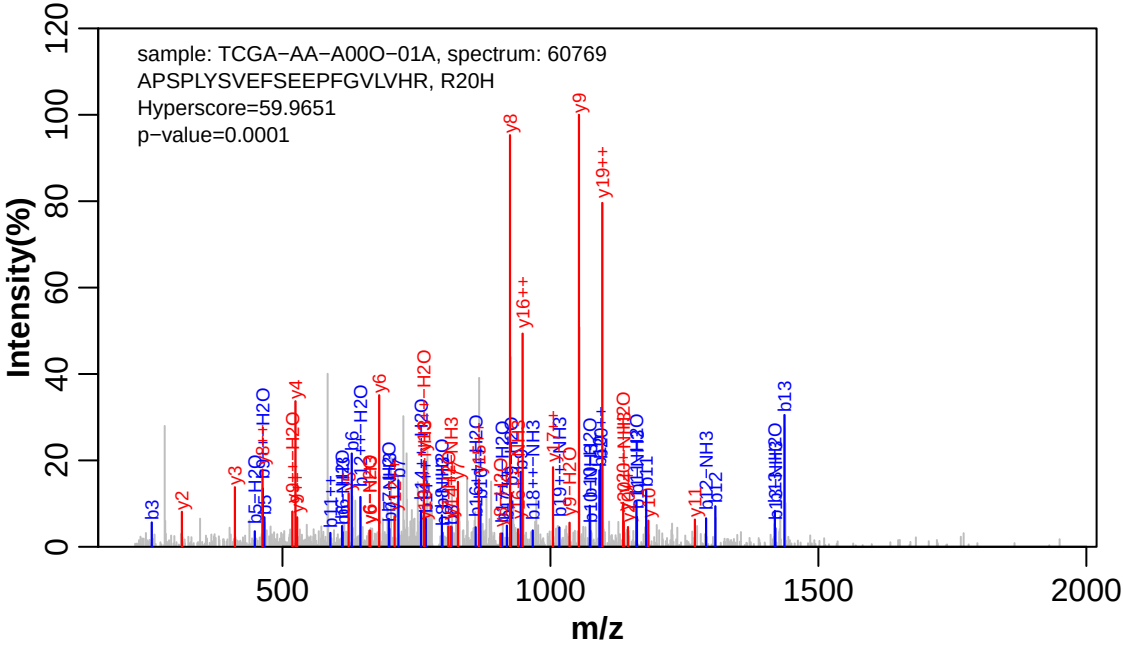

sample: TCGA−AA−A00O−01A, spectrum: 27856
AAPSVTLFPPSSEELQANK_T2A
Hyperscore=25.9497
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
b5−H2O
b5
b9++−NH3
y4
y5
y11++−NH3
b7−NH3
b7−H2O
b7
y12++
b14++−NH3
y13++
b15++−NH3
b15++−H2O
y14++
b8
b9++−H2O
y8
y10++−NH3
y10
y11

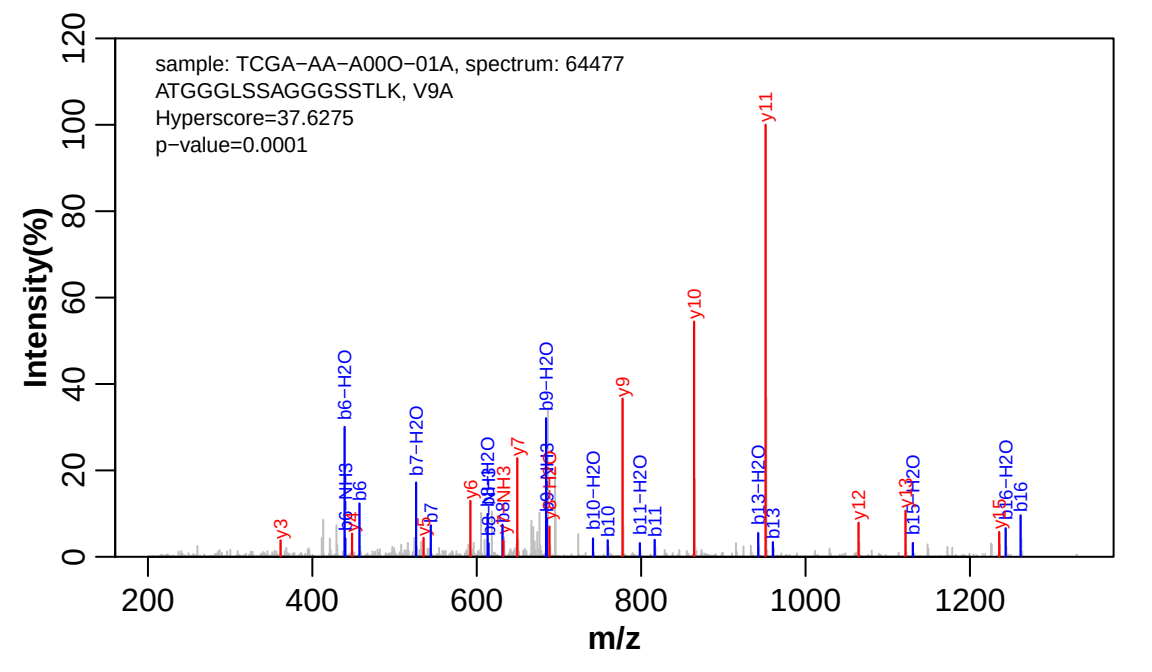

sample: TCGA−AA−A00O−01A, spectrum: 106159
AFDQGADALYDHVNEGK, I13V
Hyperscore=15.6192
p−value=0.0006
Intensity(%)
m/z
b2
b3
b4
b6−NH3
y11++
y6−NH3
y13++
y15++−H2O
y7
y15++
y16++

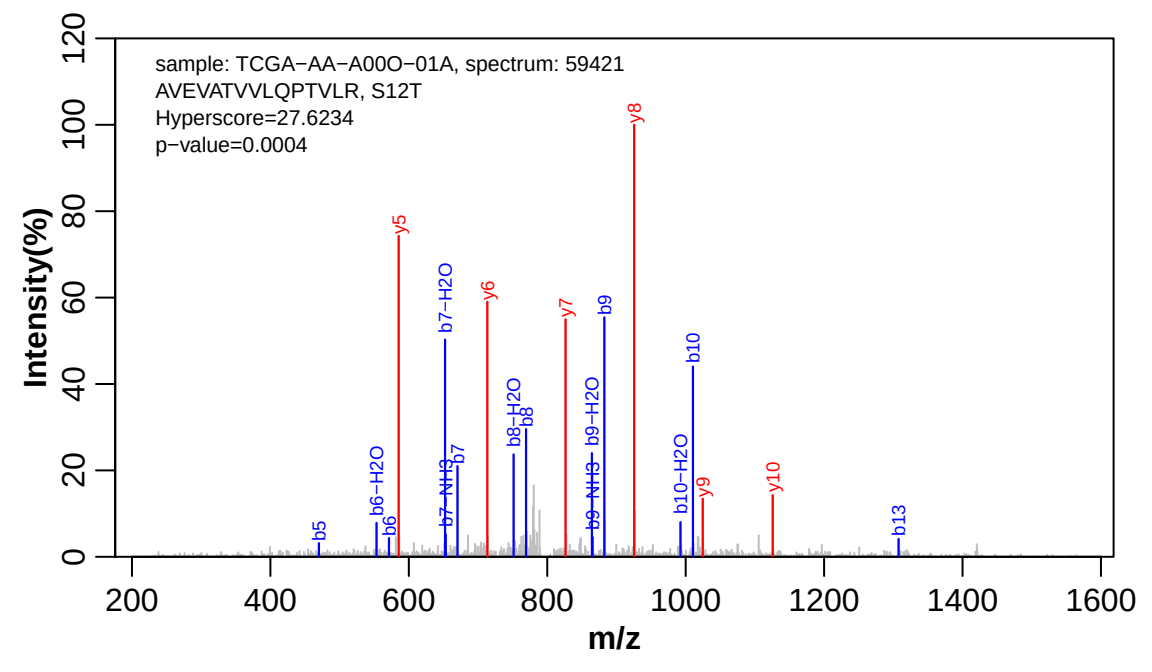

sample: TCGA−AA−A00O−01A, spectrum: 4046
AFSEYLGTDQSK, G4E
Hyperscore=35.7309
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
b4−H2O
y4−NH3
y4
b5−H2O
b5
y6−NH3
y6
b6
y7−H2O
y7
b7
b8−H2O
b8
y8
b9
y9
b10
y10
b11

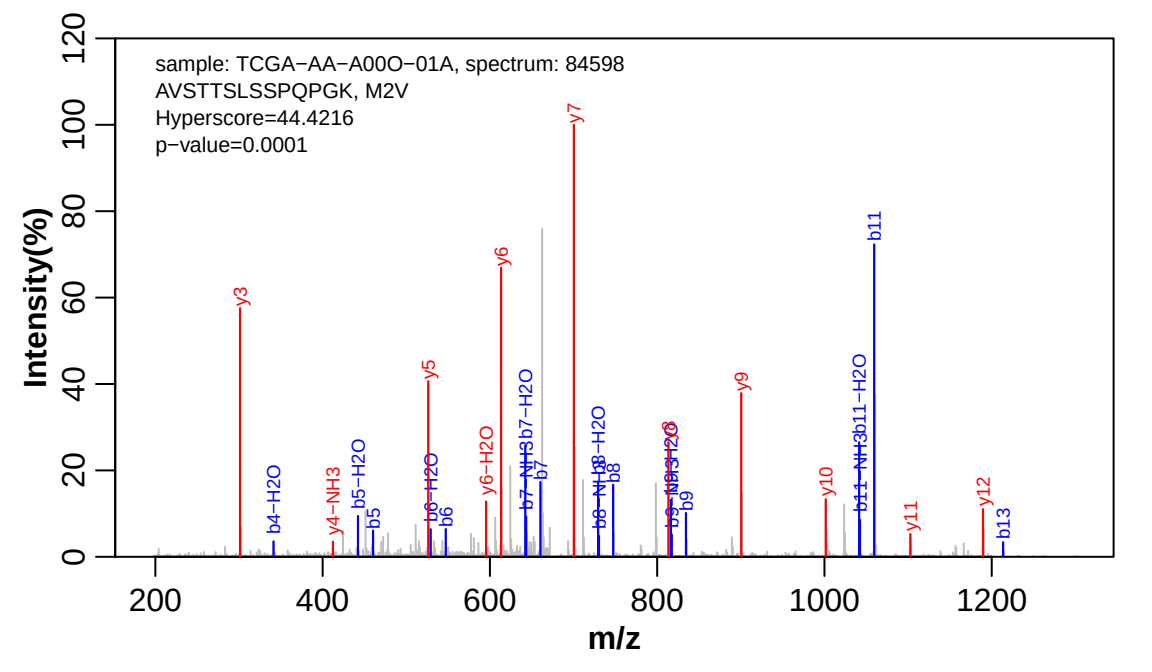

sample: TCGA−AA−A00O−01A, spectrum: 716
AGVETTTPSK, K7T
Hyperscore=30.4669
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5
y5
b6
y6
b7
y7
y7−H2O
b9
y8
y9

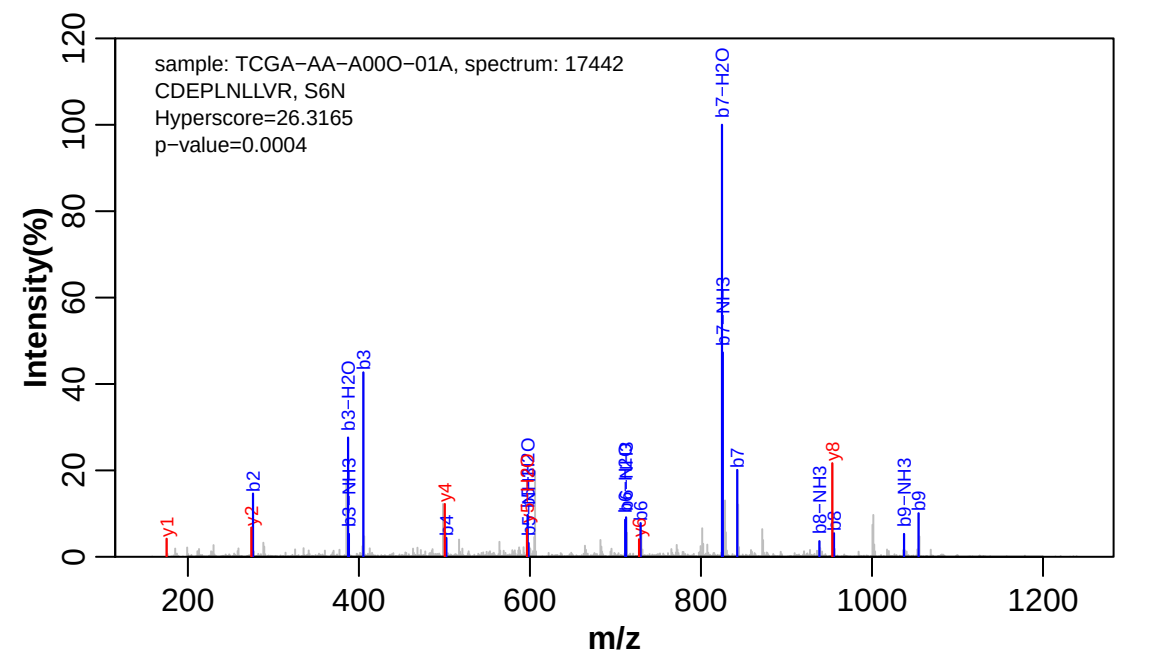

sample: TCGA−AA−A00O−01A, spectrum: 19091
ALEDVFDALEGK, M5V
Hyperscore=47.1974
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3−H2O
y3
b4
y4
y5−NH3
b5−H2O
b5
y6
b6
y7
b7
b8
y8
y9−H2O
y9
y10−H2O
y10

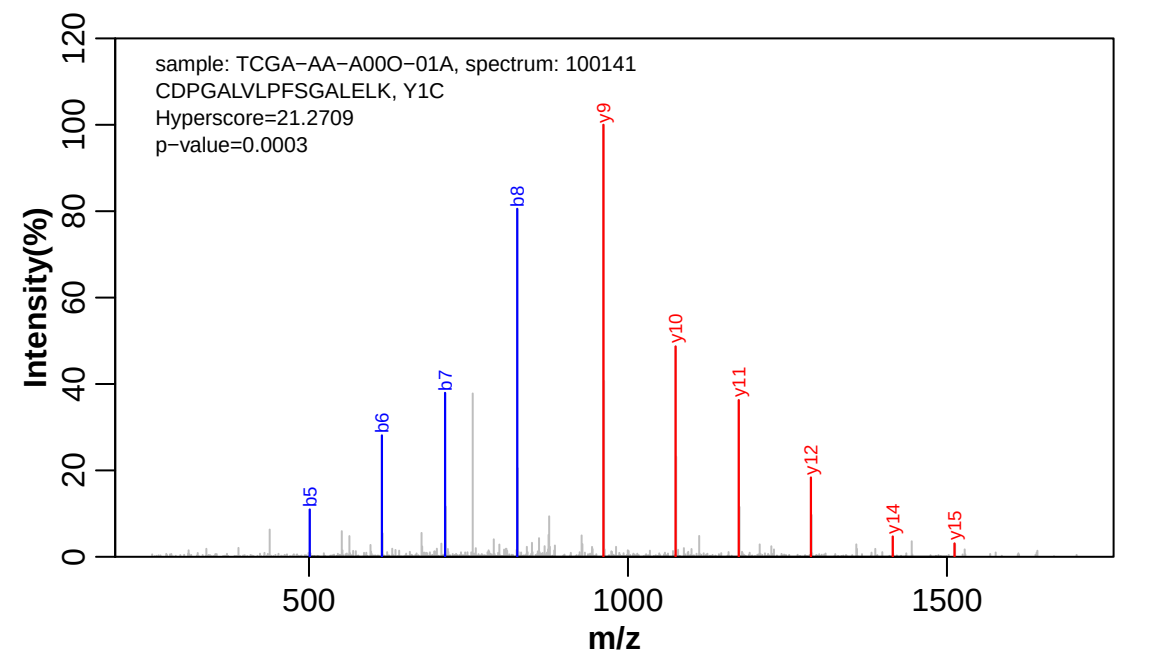

sample: TCGA−AA−A00O−01A, spectrum: 60769
APSPLYSVEFSEEPFGVLVHR, R20H
Hyperscore=59.9651
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y2
y3
y4
y6
y8
y9
y16++
y19++
b13

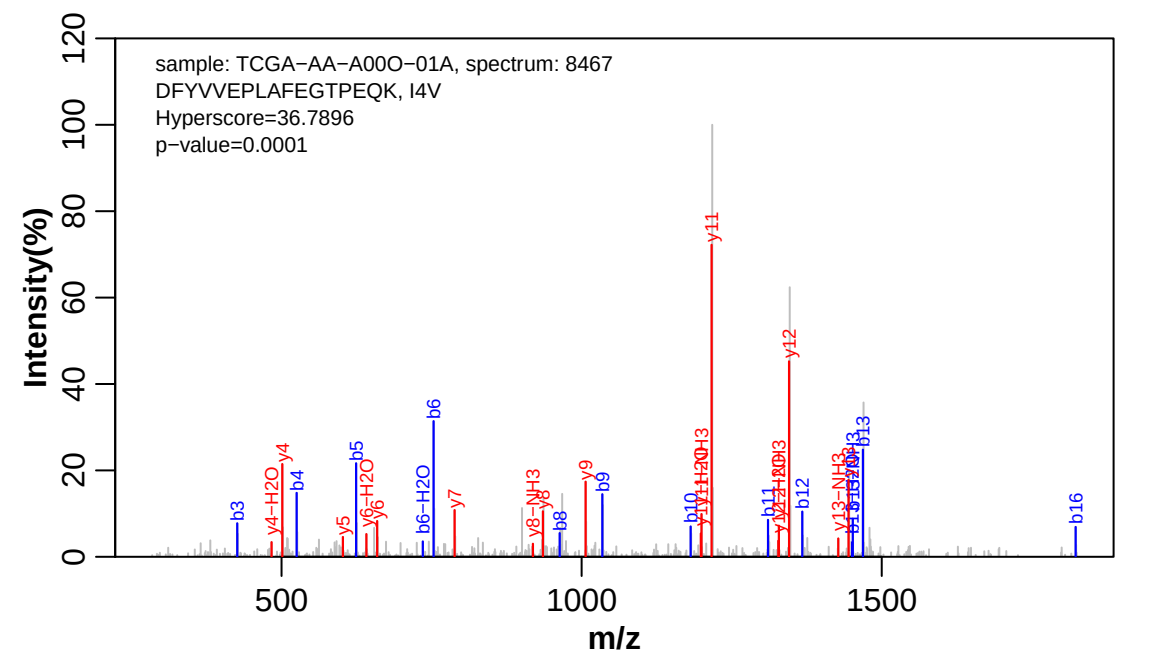

sample: TCGA−AA−A00O−01A, spectrum: 64477
ATGGGLSSAGGGSSTLK, V9A
Hyperscore=37.6275
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y3
b6−H2O
b6−NH3
b6
y6
b7−H2O
y5
b7
b8−H2O
b8−NH3
y7
b9−H2O
b9−NH3
b10−H2O
b10
y9
b11−H2O
b11
y10
b13−H2O
b13
y11
y12
b15−H2O
y13
y15
b16−H2O
b16

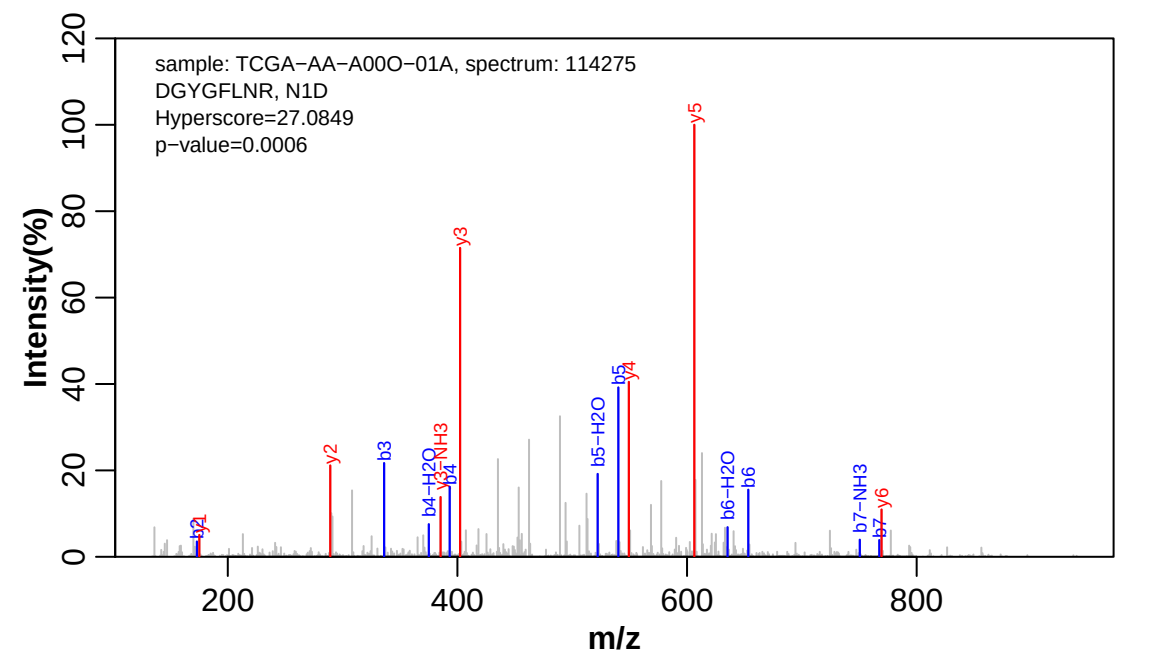

sample: TCGA−AA−A00O−01A, spectrum: 59421
AVEVATVVLQPTVLR, S12T
Hyperscore=27.6234
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b5
b6−H2O
b6
b7−NH3
b7
b7−H2O
y5
y6
b8−H2O
b8
y7
b9
b9−NH3
b9−H2O
b10−H2O
b10
y8
y9
y10
b13

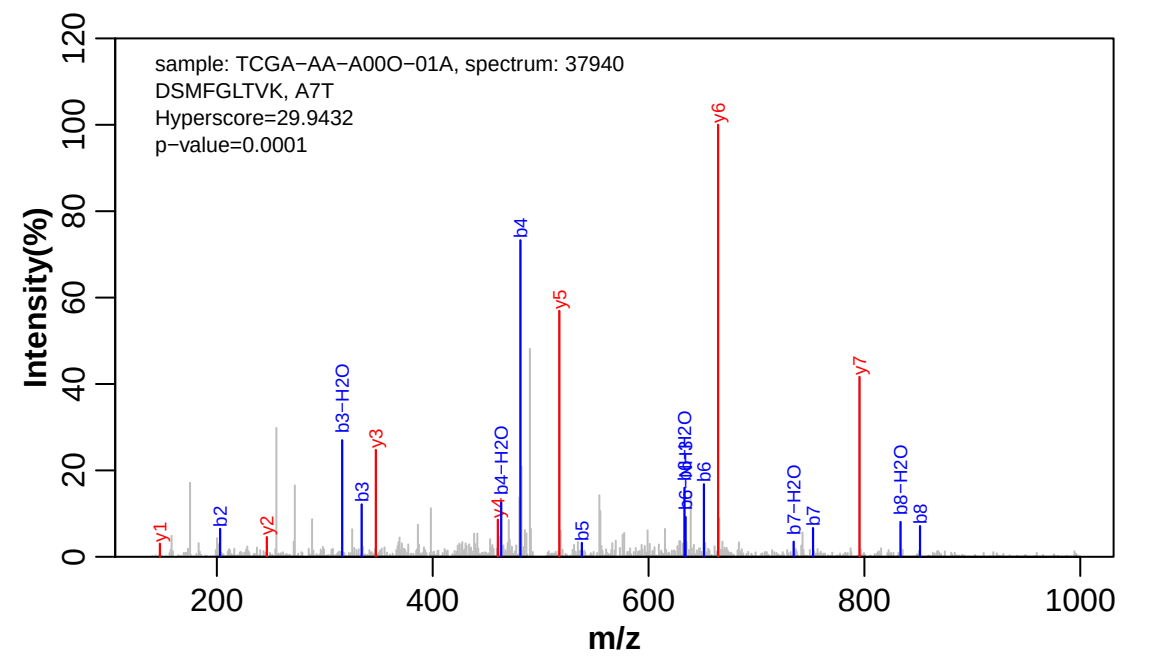

sample: TCGA−AA−A00O−01A, spectrum: 84598
AVSTTSLSSPQPGK, M2V
Hyperscore=44.4216
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y3
b4−H2O
y4−NH3
b5−H2O
b5
b6−H2O
b6
y5
y6−H2O
y6
b7−NH3
b7−H2O
b7
b8−NH3
b8−H2O
b8
b9−NH3
b9−H2O
b9
y7
y9
y10
b11−NH3
b11−H2O
b11
y11
y12
b13

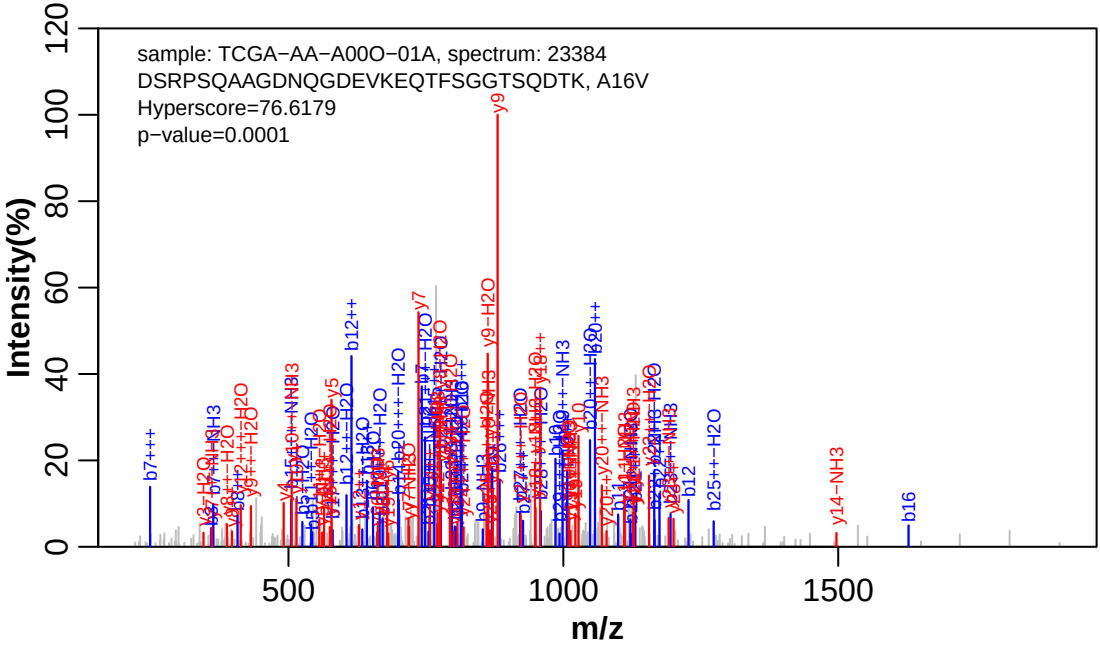

sample: TCGA−AA−A00O−01A, spectrum: 17442
CDEPLNLLVR, S6N
Hyperscore=26.3165
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2
y2
b3−NH3
b3−H2O
b3
y4
b4
b6
y6
b7−NH3
b7−H2O
b7
y8
b8−NH3
b8
b9−NH3
b9

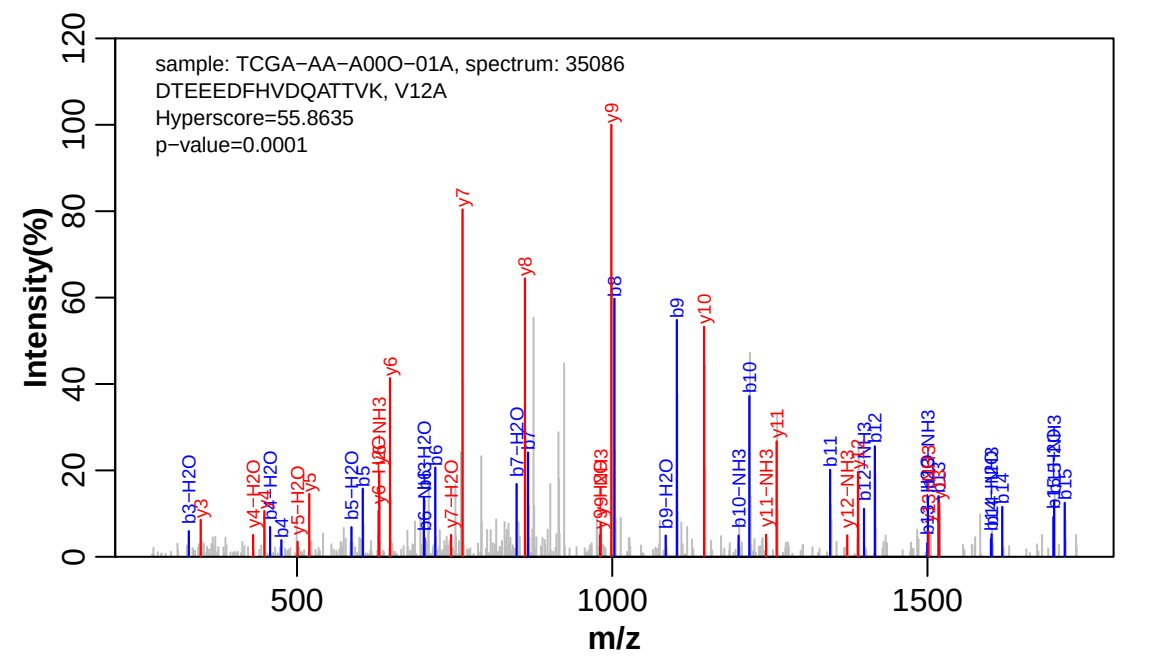

sample: TCGA−AA−A00O−01A, spectrum: 100141
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.2709
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6
b7
b8
y9
y10
y11
y12
y14
y15

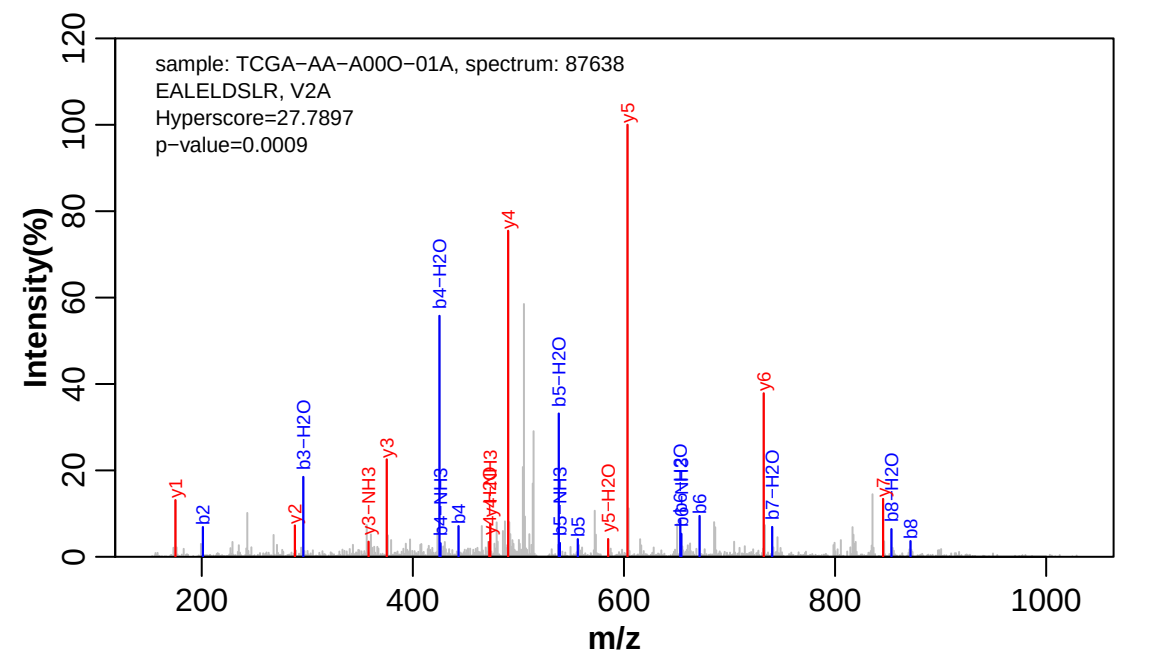

sample: TCGA−AA−A00O−01A, spectrum: 8467
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=36.7896
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4−H2O
y4
b4
y5
b5
y6−H2O
y6
b6−H2O
b6
y7
y8−NH3
y8
b8
y9
b9
b10
y11−H2O
y11−NH3
y11
b11
y12−H2O
y12−NH3
y12
b12
y13−NH3
y13
b13
b16

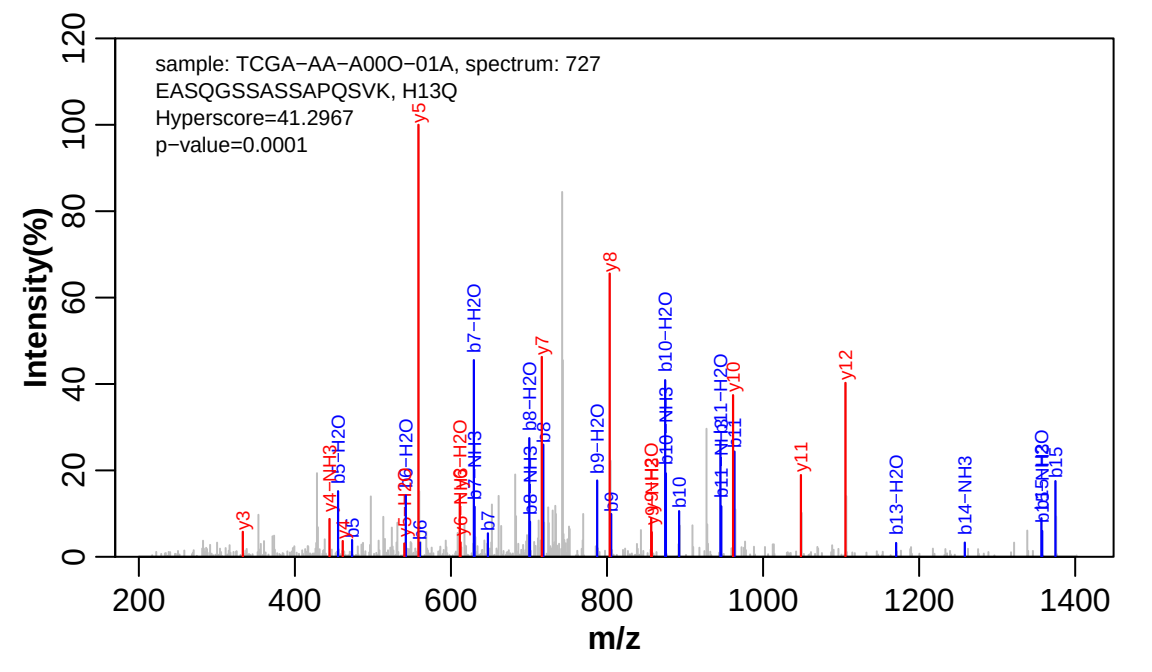

sample: TCGA−AA−A00O−01A, spectrum: 114275
DGYGFLNR, N1D
Hyperscore=27.0849
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y5
y3
y4
b5
b5−H2O
y2
b3
b4−H2O
y3−NH3
b4
b6−H2O
b6
b7−NH3
y6
b7
b2
b1

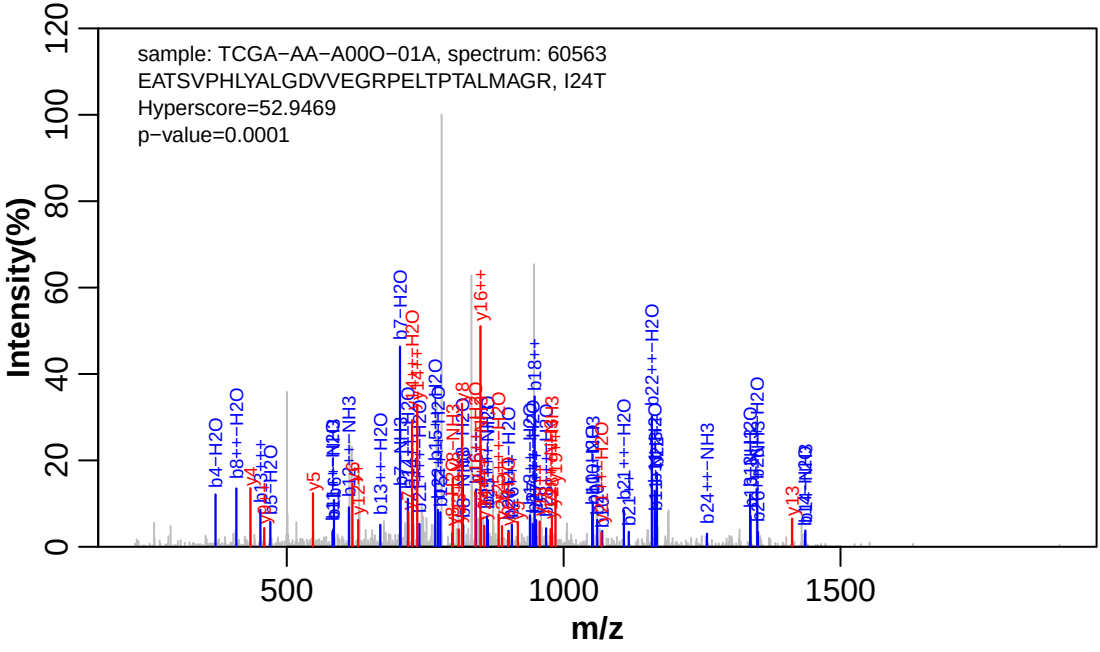

sample: TCGA−AA−A00O−01A, spectrum: 37940
DSMFGLTVK, A7T
Hyperscore=29.9432
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3−H2O
b3
y3
y4
b4−H2O
b4
y5
b5
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−H2O
b8

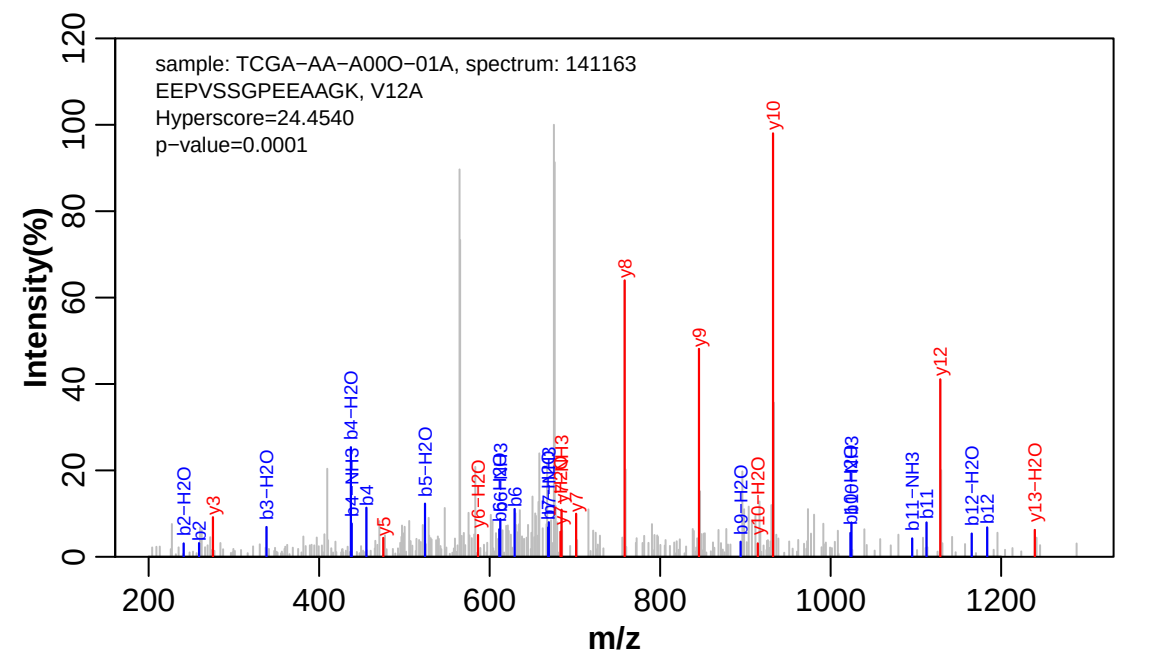

sample: TCGA−AA−A00O−01A, spectrum: 23384
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=76.6179
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y9−H2O
y14−NH3
b16
b25++−H2O
b12
b12++
b7+++
y7+++
y8+++

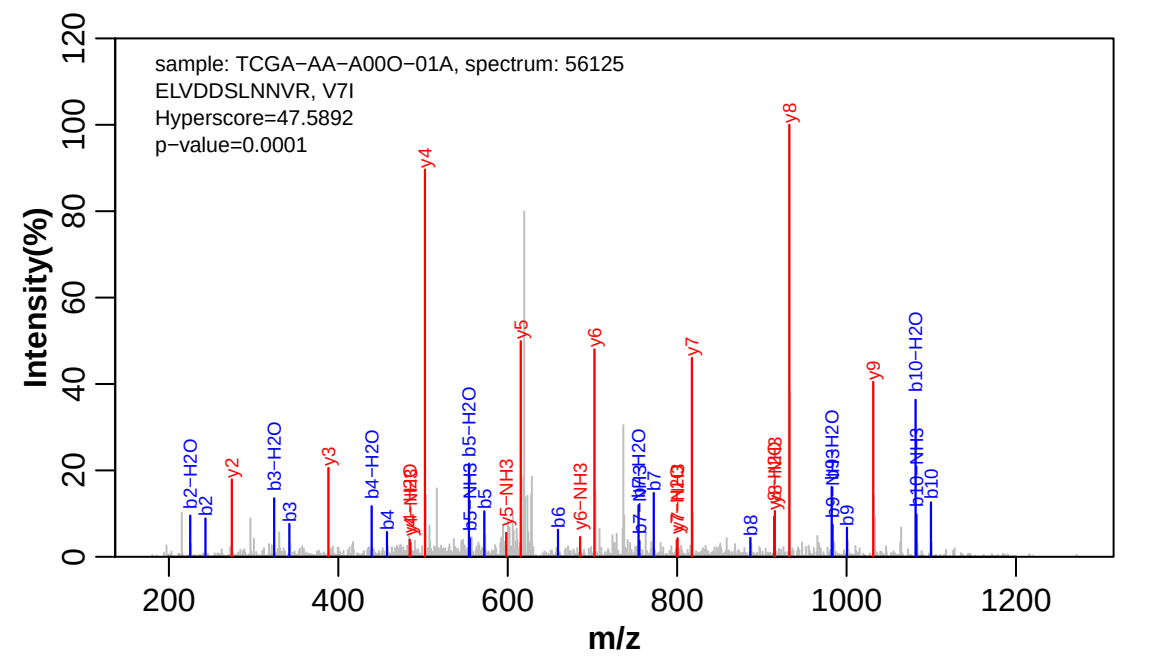

sample: TCGA−AA−A00O−01A, spectrum: 35086
DTEEEDFHVDQATTVK, V12A
Hyperscore=55.8635
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y7
y8
b8
b9
y10
y6
b10
y11
b11
b12
b3−H2O
y3
y4−H2O
b4
y5−H2O
y5
b5−H2O
b5
b6
b7−H2O
b7
y12−NH3
b15
b15−H2O

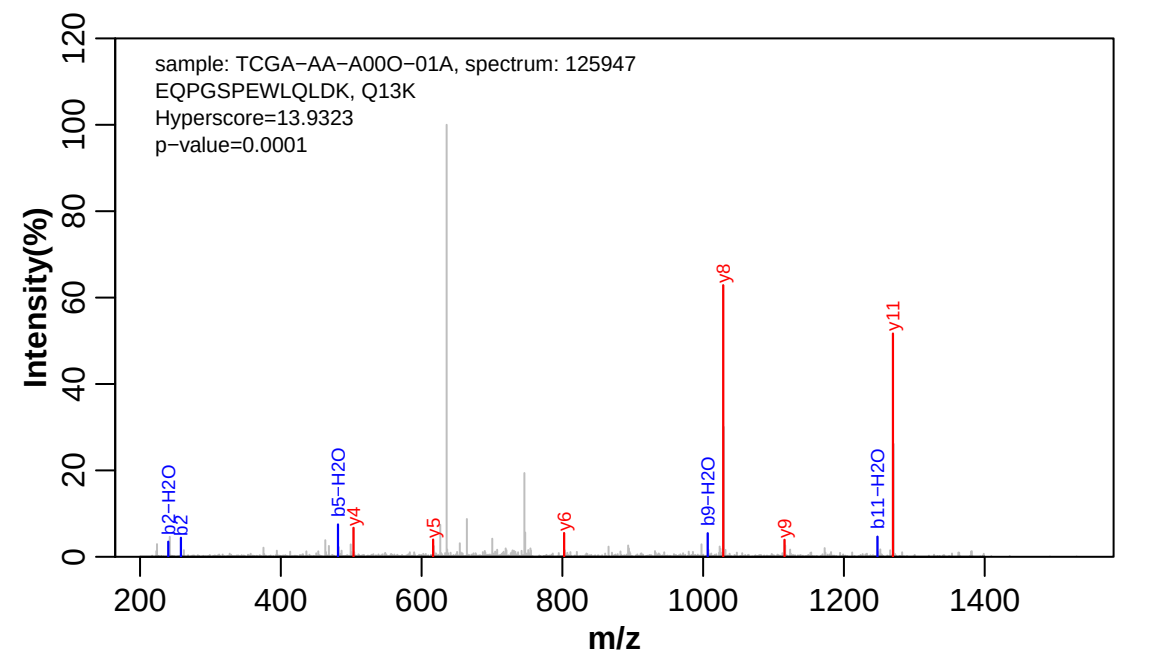

sample: TCGA−AA−A00O−01A, spectrum: 87638
EALELDSLR, V2A
Hyperscore=27.7897
p−value=0.0009
Intensity(%)
m/z
y1
b2
b3−H2O
y2
y3−NH3
y3
b4−NH3
b4
b4−H2O
y4−H2O−NH3
y4
b5−NH3
b5
b5−H2O
y5−H2O
y5
b6−NH3
b6−H2O
b6
y6
b7−H2O
b8−NH3
b8−H2O
y7
b8

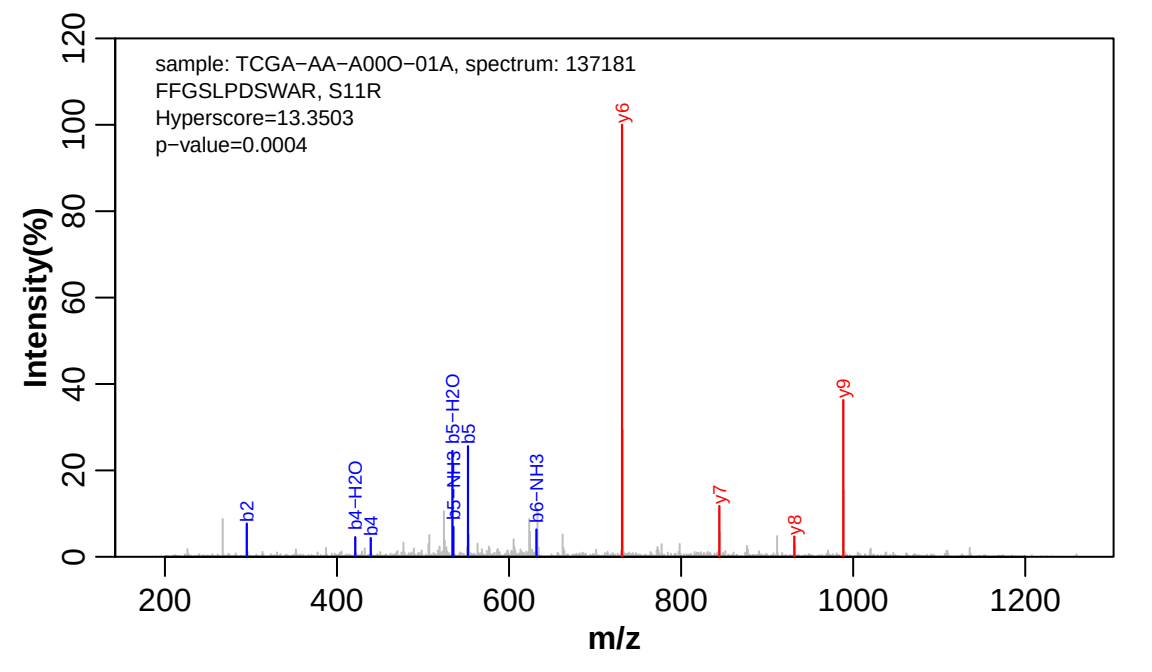

sample: TCGA−AA−A00O−01A, spectrum: 727
EASQGSSASSAPQSVK, H13Q
Hyperscore=41.2967
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y8
y7
y12
y10
y11
y3
b7−H2O
b8−H2O
b9−H2O
b10−NH3
b10−H2O
b11−H2O
b13−H2O
b14−NH3
b15−H2O
b15−NH3
y4−NH3
b5−H2O
y5−H2O
y6−NH3
y6−H2O
b7−NH3
b8−NH3
y9−NH3
b11−NH3

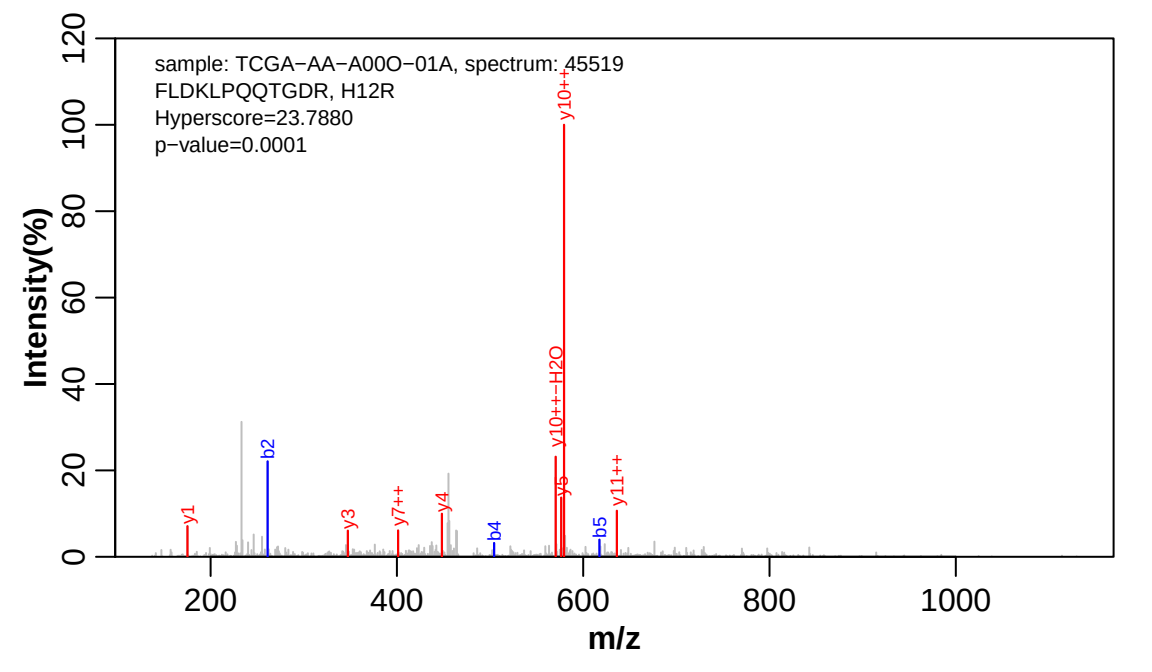

sample: TCGA−AA−A00O−01A, spectrum: 60563
EATSVPHLYALGDVVEGRPELTPTALMAGR, I24T
Hyperscore=52.9469
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4−H2O
b8++−H2O
y5
b13++−H2O
b7−H2O
y16++
b18++
b24++−NH3
y13

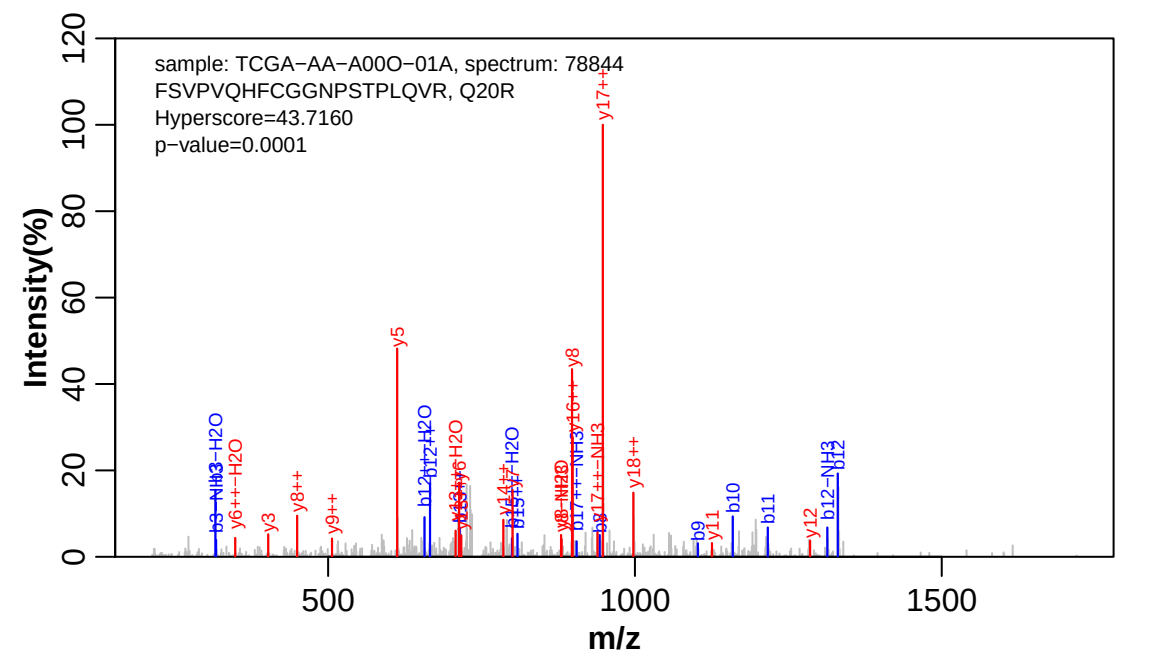

sample: TCGA−AA−A00O−01A, spectrum: 141163
EEPVSSGPEEAAGK, V12A
Hyperscore=24.4540
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y3
b3−H2O
b4−NH3
b4−H2O
b4
y5
b5−H2O
y6−H2O
b6
y8
y9
y10
y10−H2O
b9−H2O
b11−NH3
b11
y12
b12−H2O
b12
y13−H2O

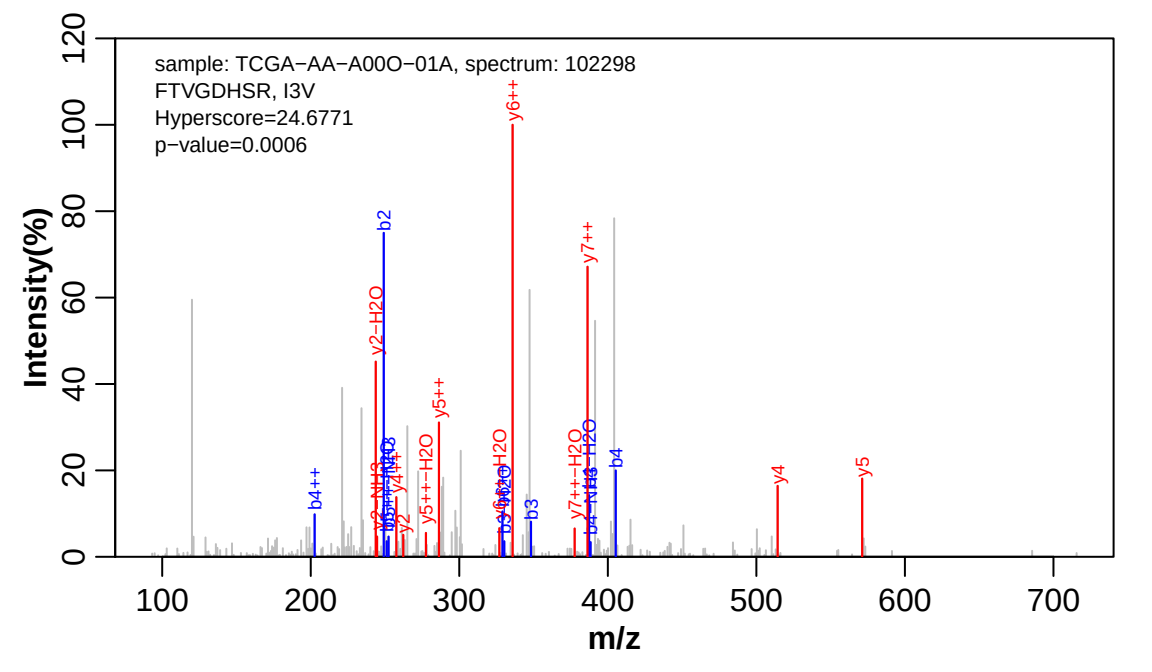

sample: TCGA−AA−A00O−01A, spectrum: 56125
ELVDDSLNNVR, V7I
Hyperscore=47.5892
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y4
y8
y5
y6
y7
y9
y2
y3
b10−H2O
b2−H2O
b3−H2O
b4−H2O
b5−NH3
b5−H2O
b6−NH3
b7−H2O
b8−H2O
b9−H2O
b10−NH3
b2
b3
b4
b5
b6
b7
b8
b9
b10

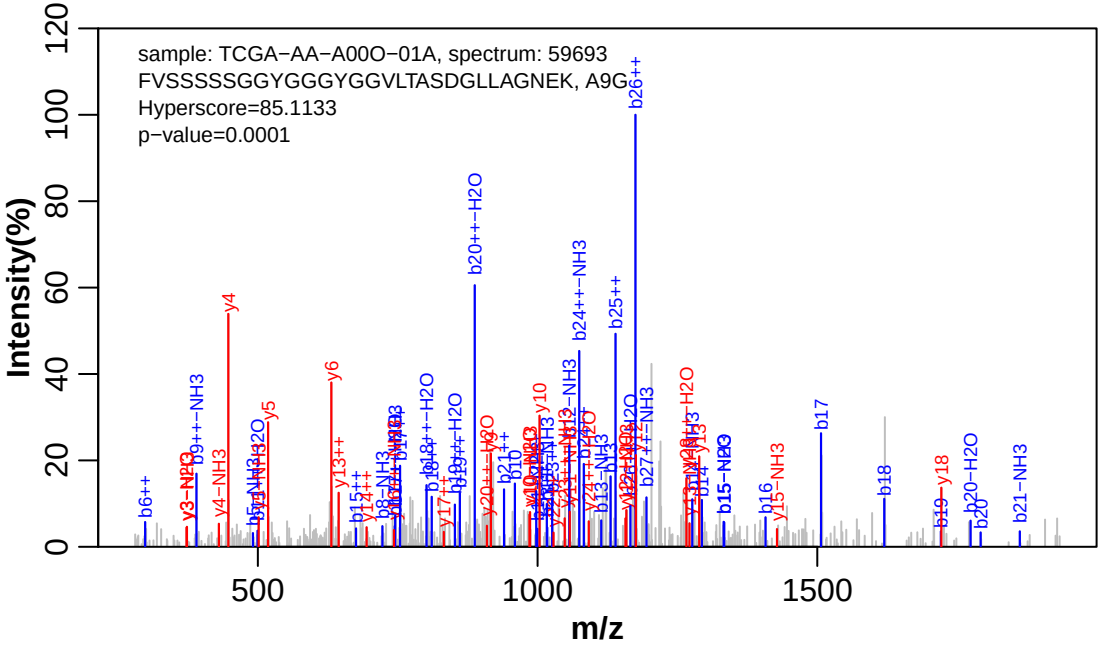

sample: TCGA−AA−A00O−01A, spectrum: 125947
EQPGSPEWLQLDK, Q13K
Hyperscore=13.9323
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b2
b5−H2O
y4
y5
y6
b9−H2O
y8
y9
b11−H2O
y11

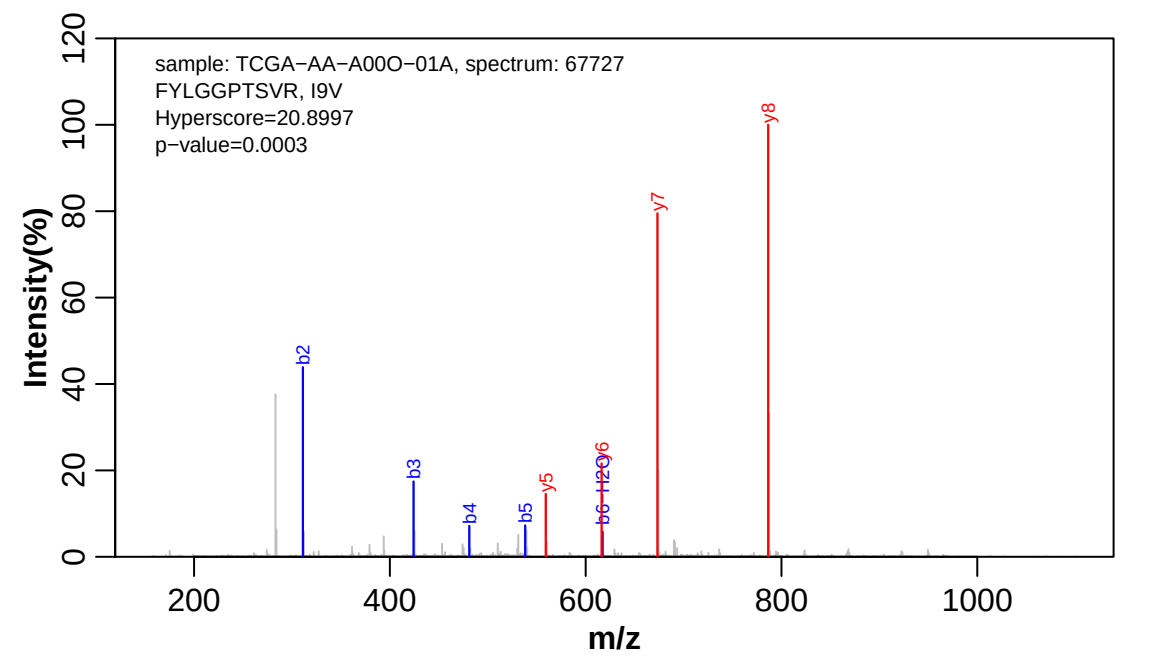

sample: TCGA−AA−A00O−01A, spectrum: 137181
FFGSLPDSWAR, S11R
Hyperscore=13.3503
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

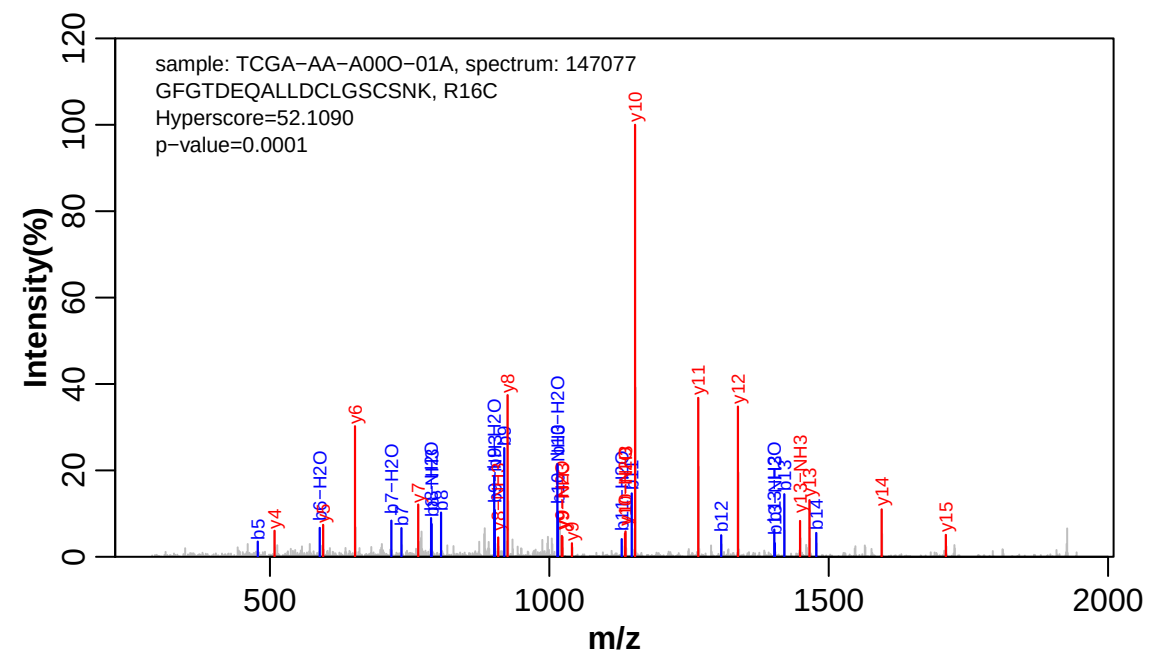

sample: TCGA−AA−A00O−01A, spectrum: 45519
FLDKLPQQTGDR, H12R
Hyperscore=23.7880
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
y1
b2
y3
y7++
y4
b4
y10++
y10++−H2O
y5
b5
y11++

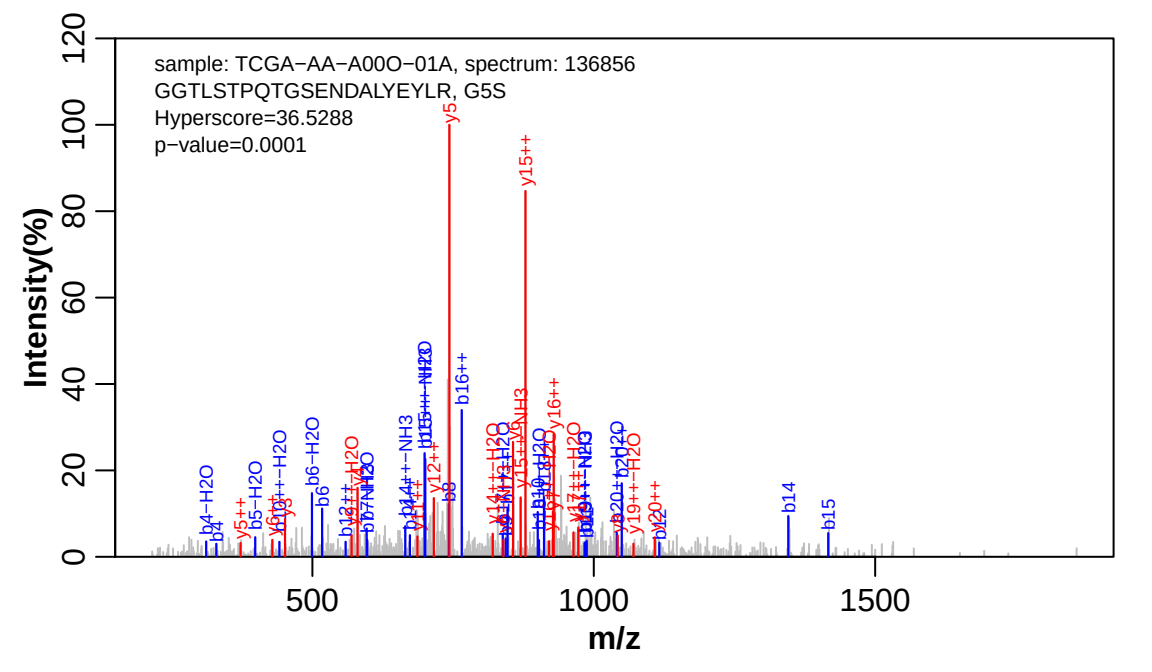

sample: TCGA−AA−A00O−01A, spectrum: 78844
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=43.7160
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y5
y8
y18++
y8++
y9++
y3
y6++−H2O
b3−NH3
b3−H2O
b12−H2O
b12−NH3
b12
y16++
y17++−NH3
y17++−H2O
y14++
b15++
b17++
b9
y11
b10
b11
y12
b12−NH3

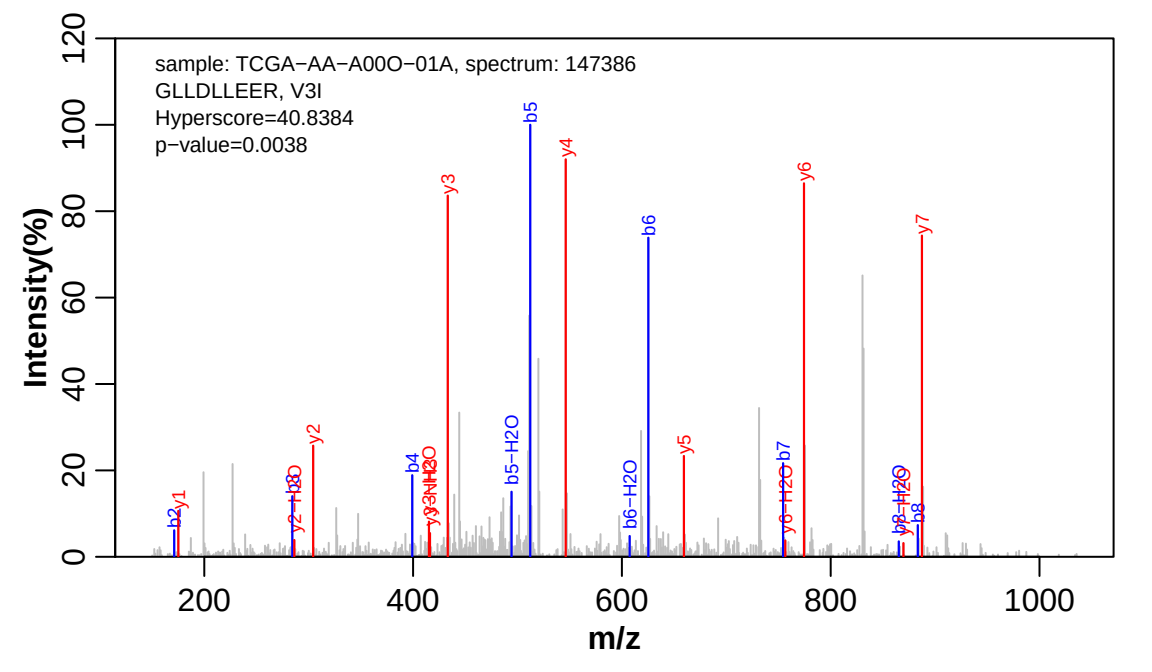

sample: TCGA−AA−A00O−01A, spectrum: 102298
FTVGDHSR, I3V
Hyperscore=24.6771
p−value=0.0006
Intensity(%)
m/z
y6++
b2
y2−H2O
y7++
y5++
y5++−H2O
y7++−H2O
b4
b3
y4
y5
b4++
0
20
40
60
80
100
120
100
200
300
400
500
600
700

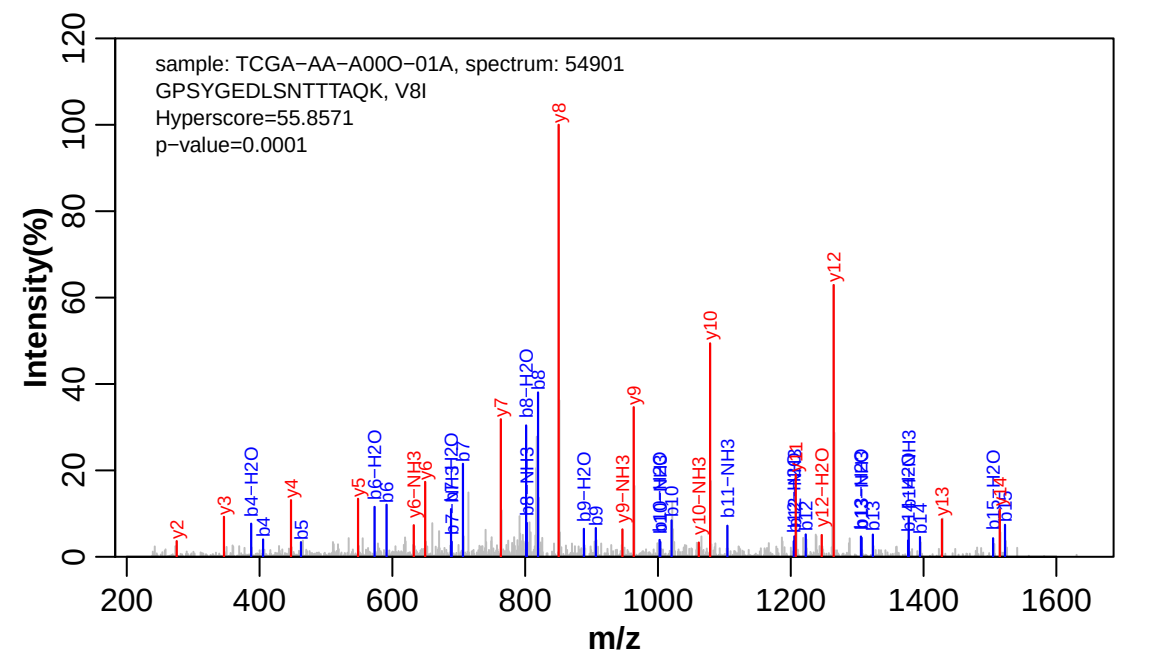

sample: TCGA−AA−A00O−01A, spectrum: 59693
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=85.1133
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b6++
y4
y4−NH3
y6
y5
b9++−NH3
b20++−H2O
b26++
b24++−NH3
b25++
b17
b18
b19−y18
b20−H2O
b21−NH3
y15−NH3
b15−NH3
b15−H2O
y13++
b15++
b18++−H2O
b19++−H2O
y20++−H2O
b27++−NH3

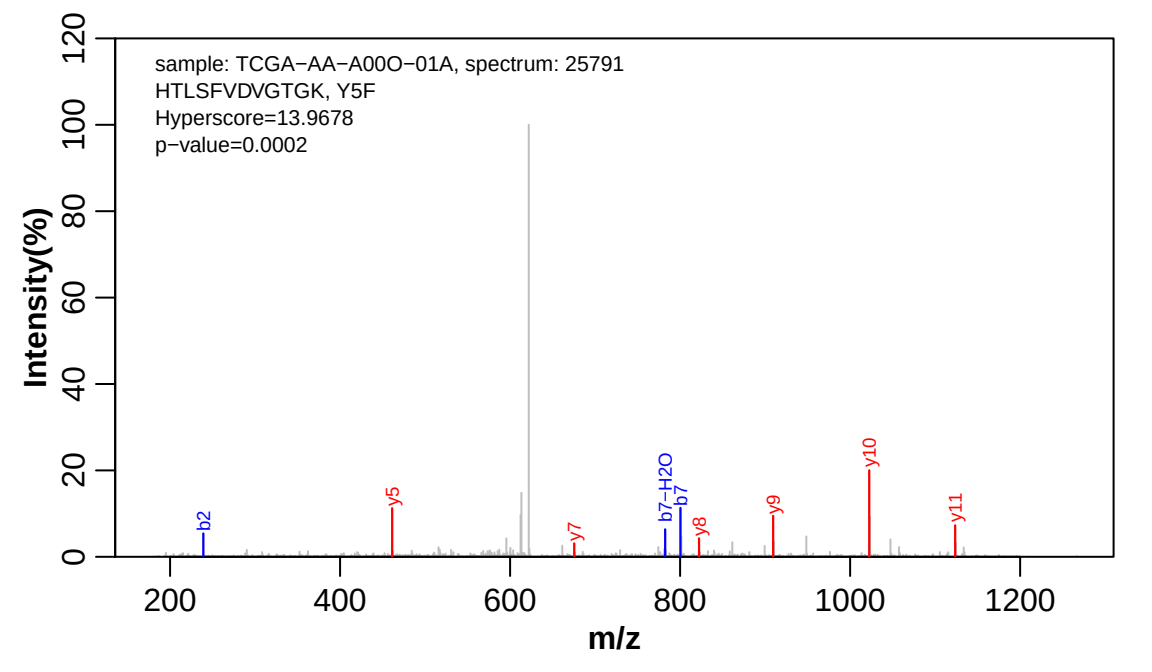

sample: TCGA−AA−A00O−01A, spectrum: 67727
FYLGGPTSVR, I9V
Hyperscore=20.8997
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

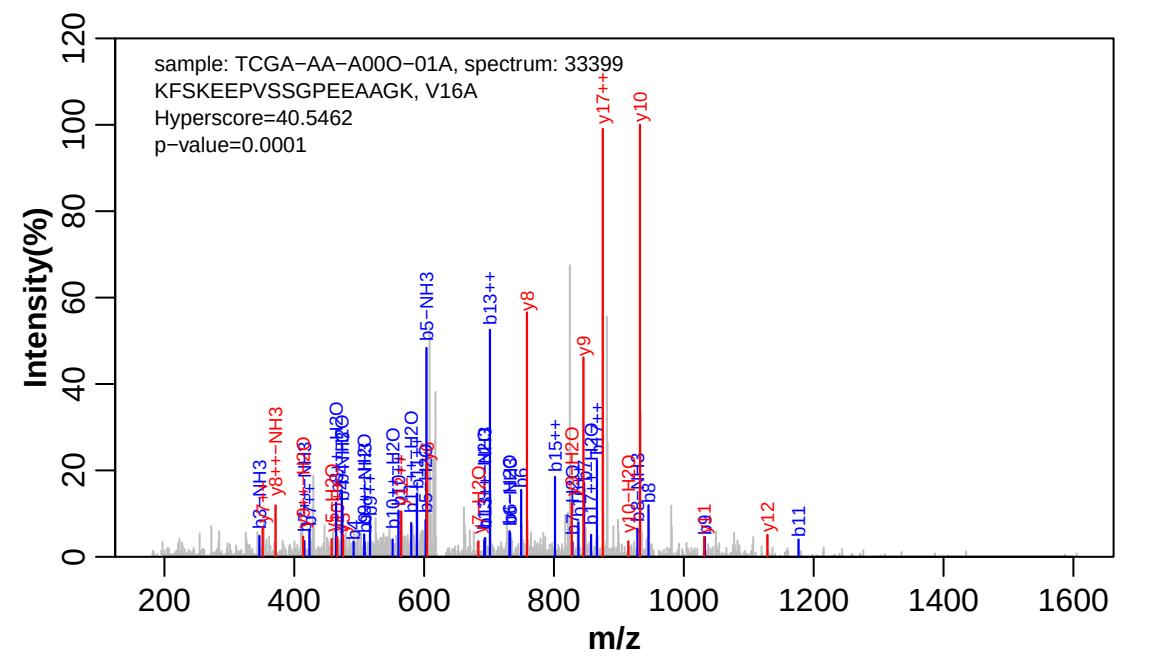

sample: TCGA−AA−A00O−01A, spectrum: 147077
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=52.1090
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10
y11
y12
y8
y6
y14
y15
y4
b5
b7−H2O
b12
b14
y13−NH3

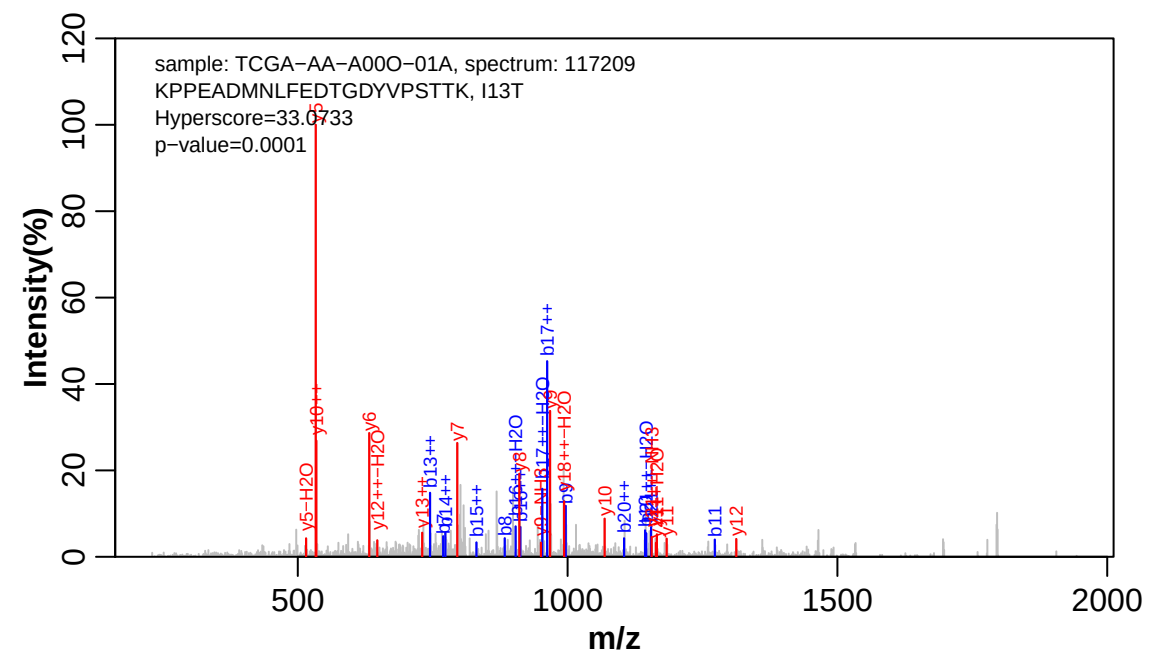

sample: TCGA−AA−A00O−01A, spectrum: 136856
GGTLSTPQTGSENDALYEYLR, G5S
Hyperscore=36.5288
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5++
y15++
b16++
b4−H2O
b4
y5++
b5−H2O
y6++−H2O
y6++
b6−H2O
b6
b12++
y4++−H2O
b7−NH3
b7−H2O
b7
b14++−NH3
b14++
y12++
b15++−NH3
b15++−H2O
b15++
b8
y14++−H2O
y14++
y15++−NH3
y15++−H2O
y15++
y16++
y17++−H2O
y17++
b20++−H2O
b20++
y19++−H2O
y19++
b20++
b14
b15

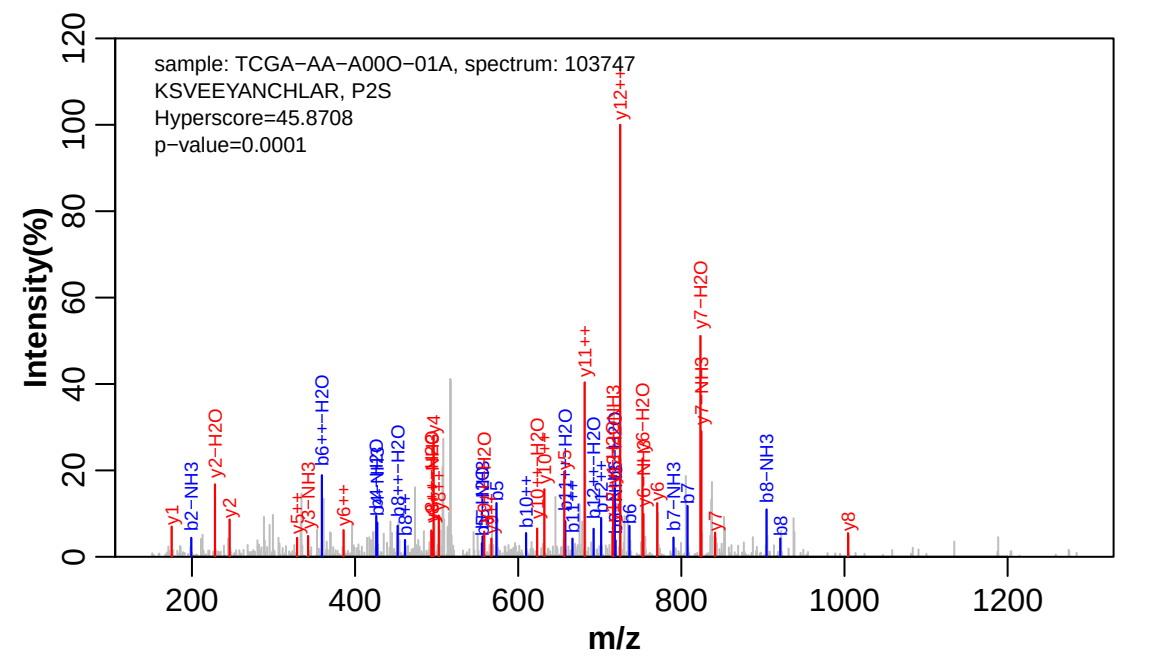

sample: TCGA−AA−A00O−01A, spectrum: 147386
GLLDLLEER, V3I
Hyperscore=40.8384
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
y2
y2−H2O
b4
y3
y3−NH3
y3−H2O
b5
b5−H2O
y4
b6
b6−H2O
y5
y6
y6−H2O
b7
y7
b8
b8−H2O

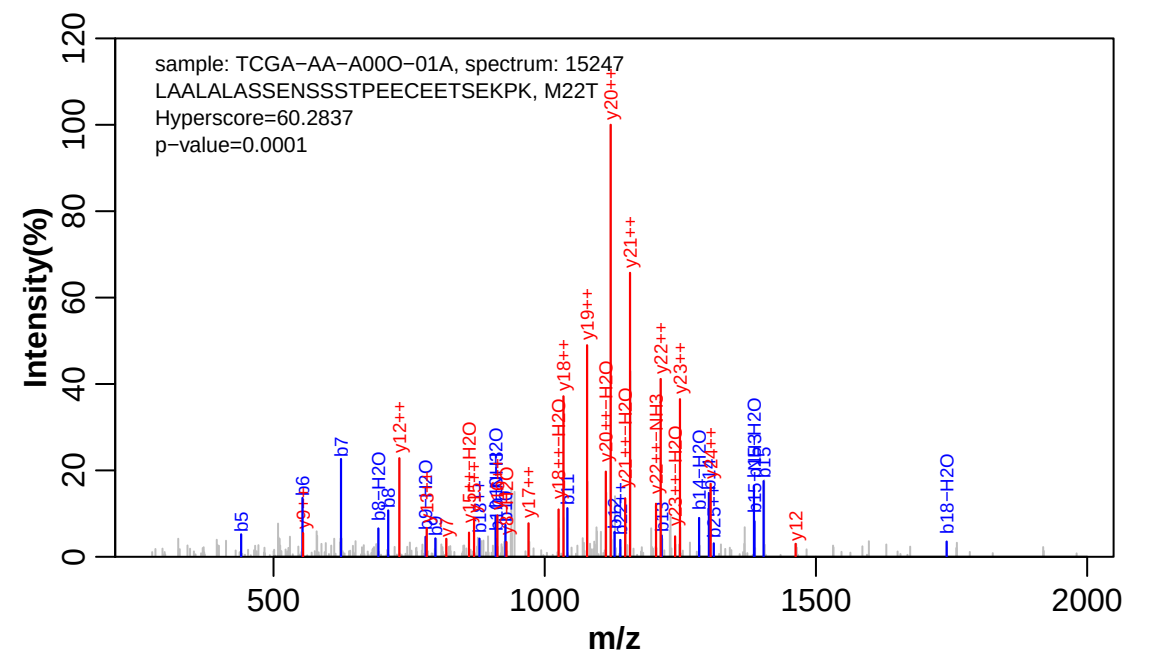

sample: TCGA−AA−A00O−01A, spectrum: 54901
GPSYGEDLSNTTTAQK, V8I
Hyperscore=55.8571
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y8
y12
y10
y7
y9
b8−H2O
b8
y2
y3
b4−H2O
b4
y4
b5
y5
b6−H2O
b6
y6−NH3
y6
b7
b9−H2O
b9
y9−NH3
b10
y10−NH3
b11−NH3
y12−H2O
b13
b14
y13
b15−H2O
b15

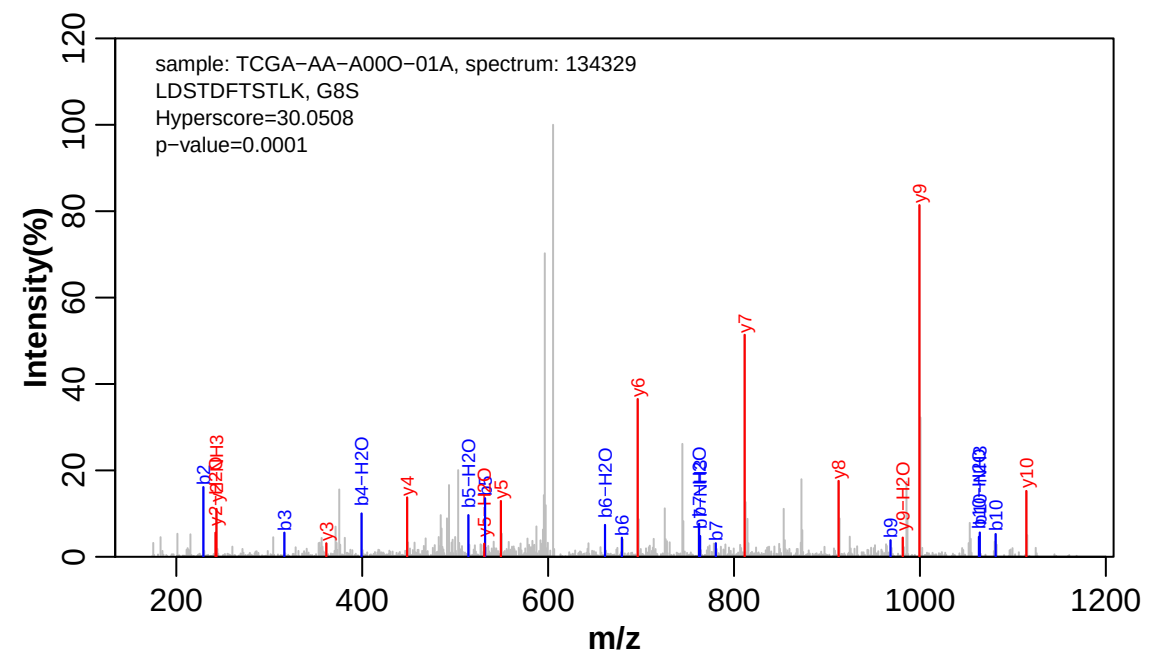

sample: TCGA−AA−A00O−01A, spectrum: 25791
HTLSFVDVGTGK, Y5F
Hyperscore=13.9678
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
y5
y7
b7−H2O
b7
y8
y9
y10
y11

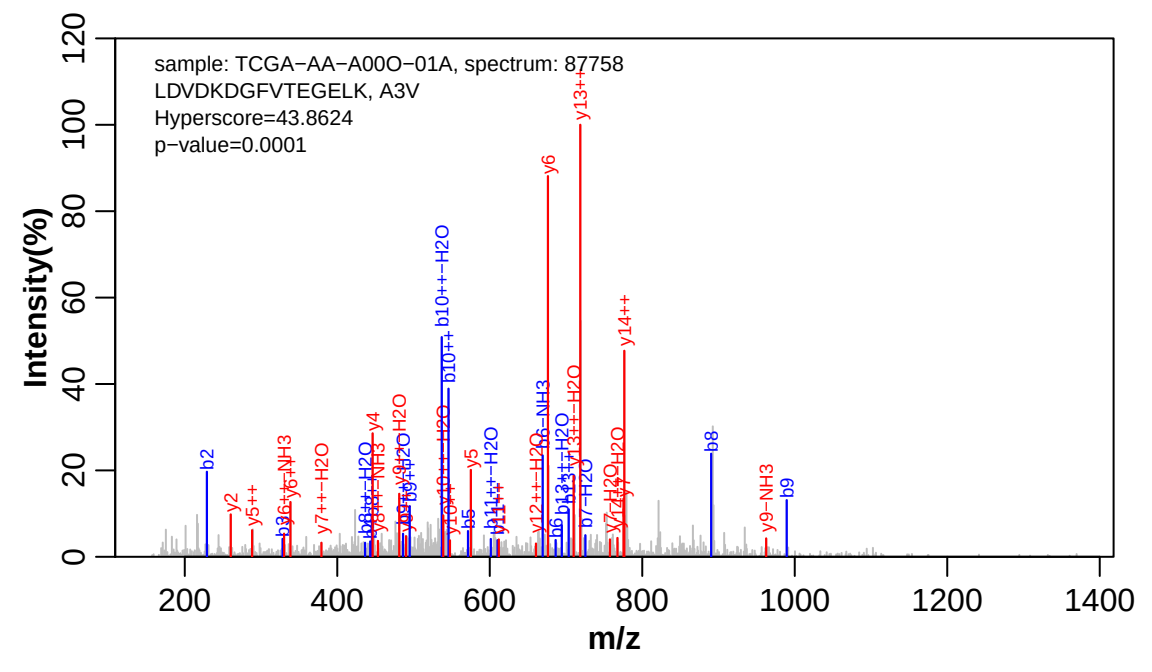

sample: TCGA−AA−A00O−01A, spectrum: 33399
KFSKEEPVSSGPEEAAGK, V16A
Hyperscore=40.5462
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y17++
y10
y8
y9
b13++
b5−NH3
b15++
y12
b11

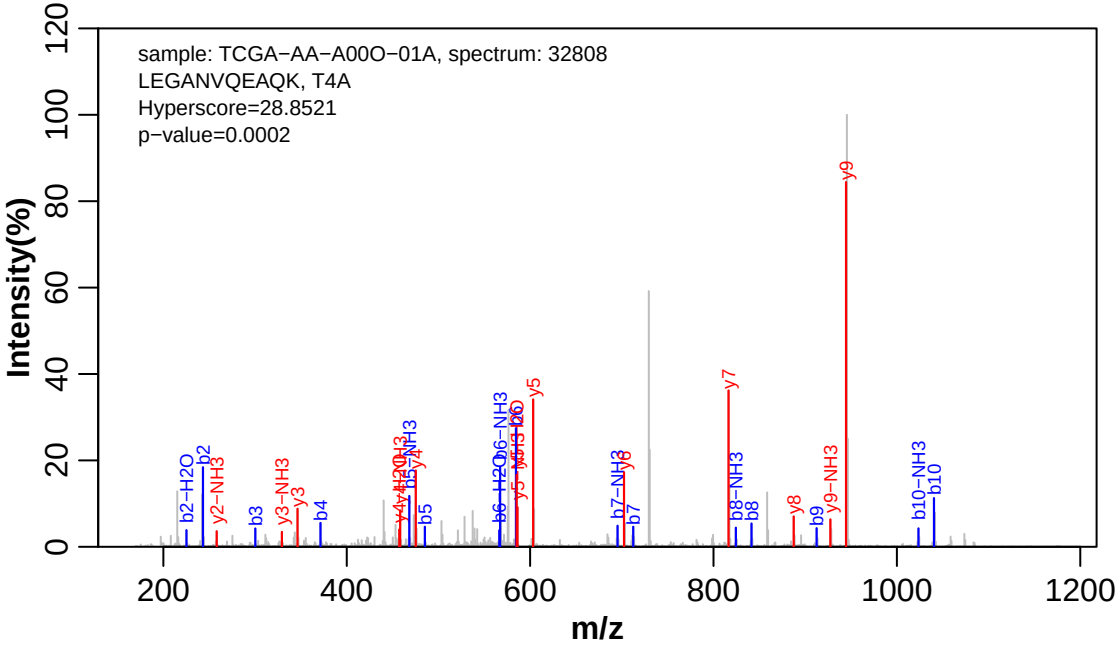

sample: TCGA−AA−A00O−01A, spectrum: 117209
KPPEADMNLFEDTGDYVPSTTK, I13T
Hyperscore=33.0733
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5−H2O
y10++
y6
y12++−H2O
y13++
b13++
y7
b14++
b15++
b8
b16++
y8
b16++−H2O
y9−NH3
b17++−H2O
b17++
y9
b18++−H2O
y10
b20++
b11
y12

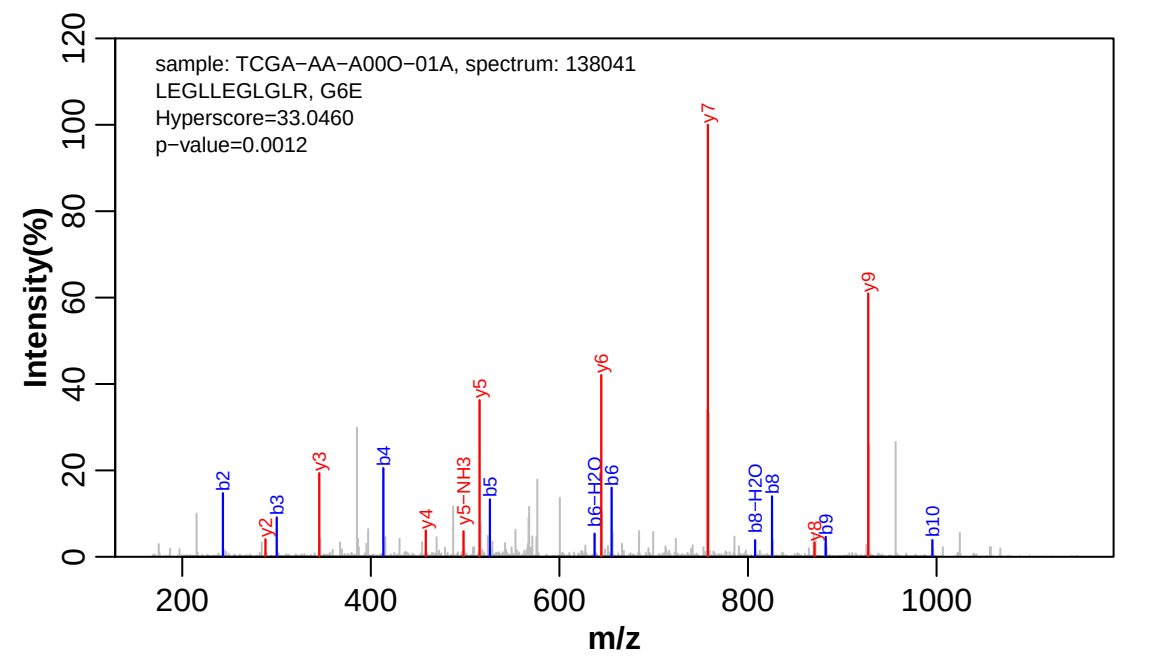

sample: TCGA−AA−A00O−01A, spectrum: 103747
KSVEEYANCHLAR, P2S
Hyperscore=45.8708
p−value=0.0001
Intensity(%)
m/z
y12++
y7−H2O
y7−NH3
y11++
y2−H2O
b6++−H2O
b8−NH3
y1
b2−NH3
y2
y3−NH3
y6++
y7
y8
b8
b7
b7−NH3
y6
y6−H2O
b6
b5
b10++
y10++
y10+−H2O
b11++
y5−H2O
b12++
b12++−H2O
b6−NH3
b8++−H2O

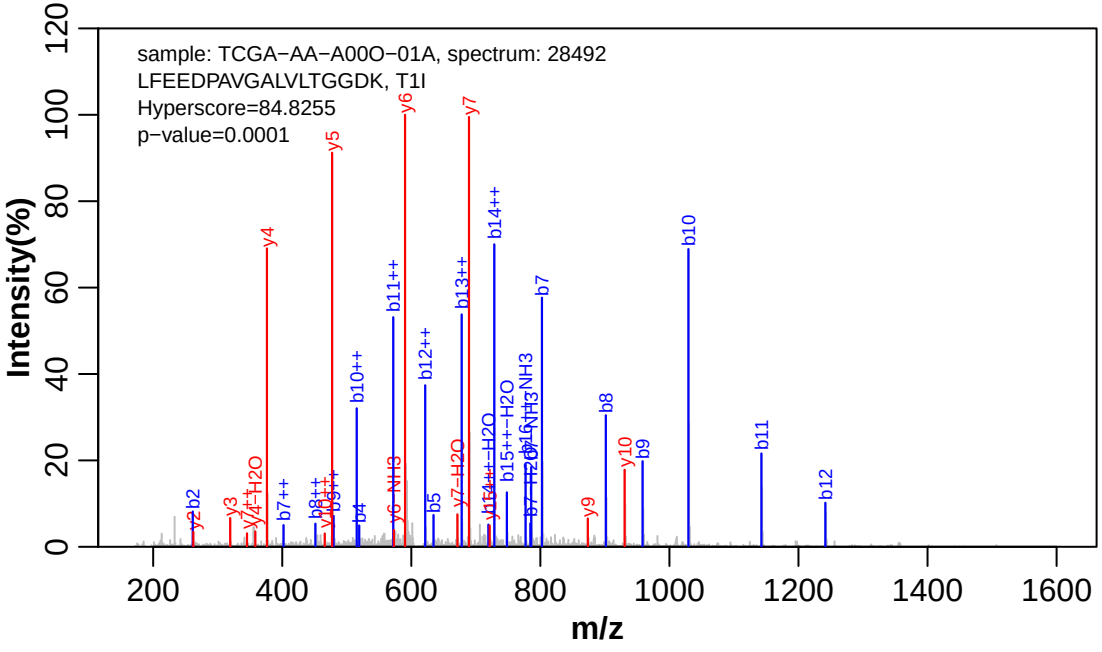

sample: TCGA−AA−A00O−01A, spectrum: 15247
LAALALASSENSSSTPEECEETSEKPK, M22T
Hyperscore=60.2837
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5
y9−b6
b7
b8−H2O
b8
y12++
y7
y15++−H2O
y17++
y18++−H2O
y18++
y19++
y20++−H2O
y20++
y21++−H2O
y21++
y22++−NH3
y22++
y23++−H2O
y23++
b14−H2O
b18−H2O
y12

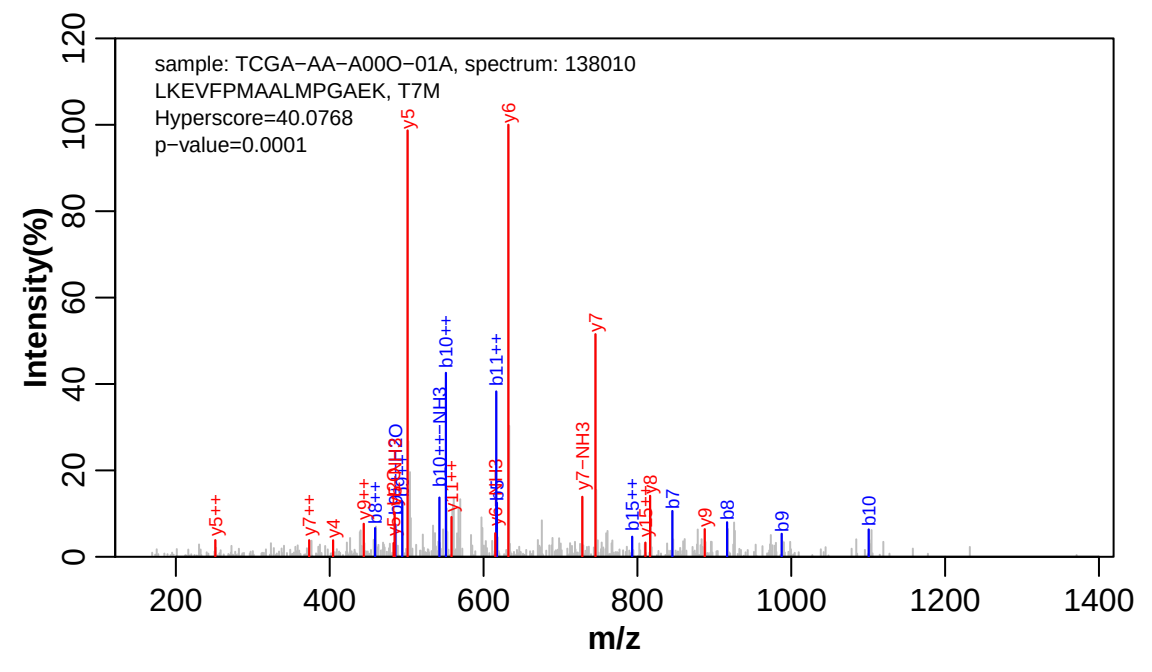

sample: TCGA−AA−A00O−01A, spectrum: 134329
LDSTDFTSTLK, G8S
Hyperscore=30.0508
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−H2O
y4
b5−H2O
y5
b6−H2O
b6
y6
b7
y7
y8
b9
y9−H2O
y9
b10
y10

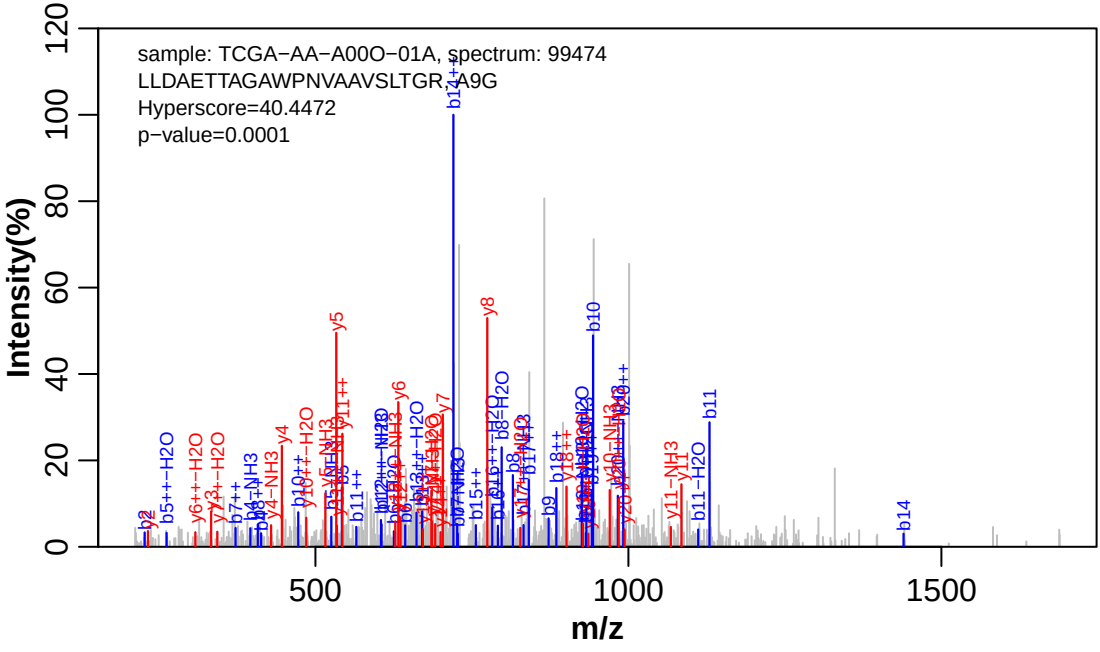

sample: TCGA−AA−A00O−01A, spectrum: 87758
LDVDKDGFVTEGELK, A3V
Hyperscore=43.8624
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
y5++
b6++−NH3
y6++−NH3
y7++−H2O
b8++−H2O
b8++−NH3
y4
y8++−NH3
y8++−H2O
b9++−H2O
y10++−H2O
b10++
b10++−H2O
y5
b11++−H2O
y12++−H2O
y6
y12++−NH3
b6
b13++−H2O
y13++−H2O
b7−H2O
y13++
y7−H2O
y14++
b8
y9−NH3
b9

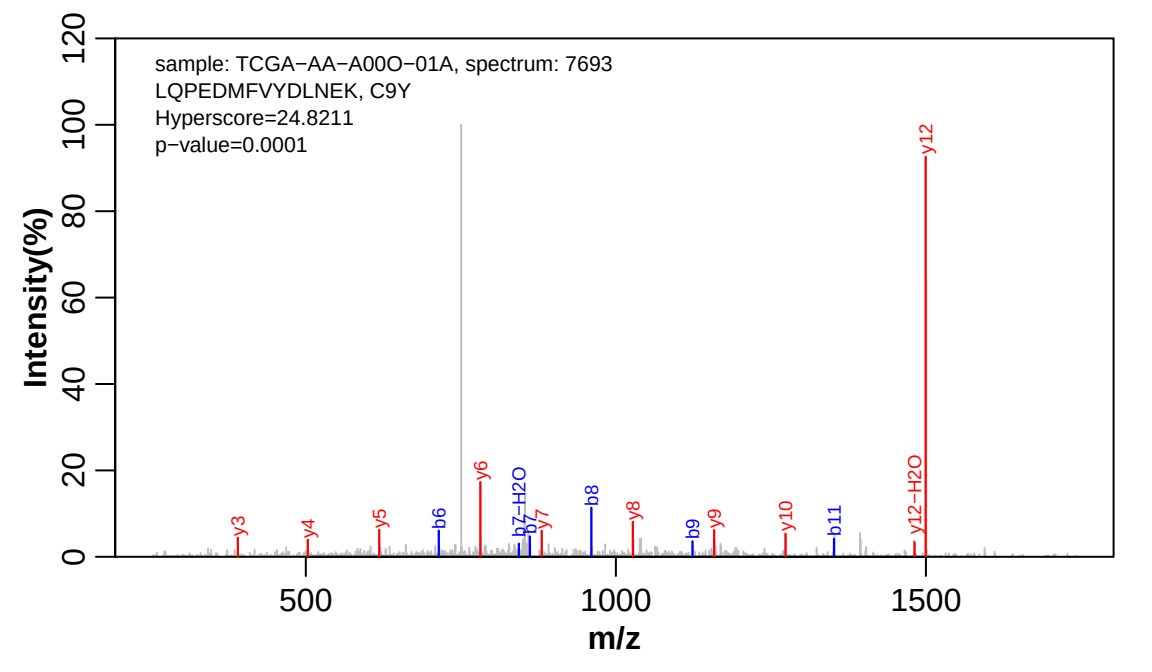

sample: TCGA−AA−A00O−01A, spectrum: 32808
LEGANVQEAQK, T4A
Hyperscore=28.8521
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2−NH3
b3
y3−NH3
y3
b4
b5−NH3
b5
y4
b6−H2O−NH3
b6−NH3
b6−H2O
y5−NH3
y5−H2O
y5
b7−NH3
y8
b7
y7
b8−NH3
b8
y8
b9
y9−NH3
y9
b10−NH3
b10

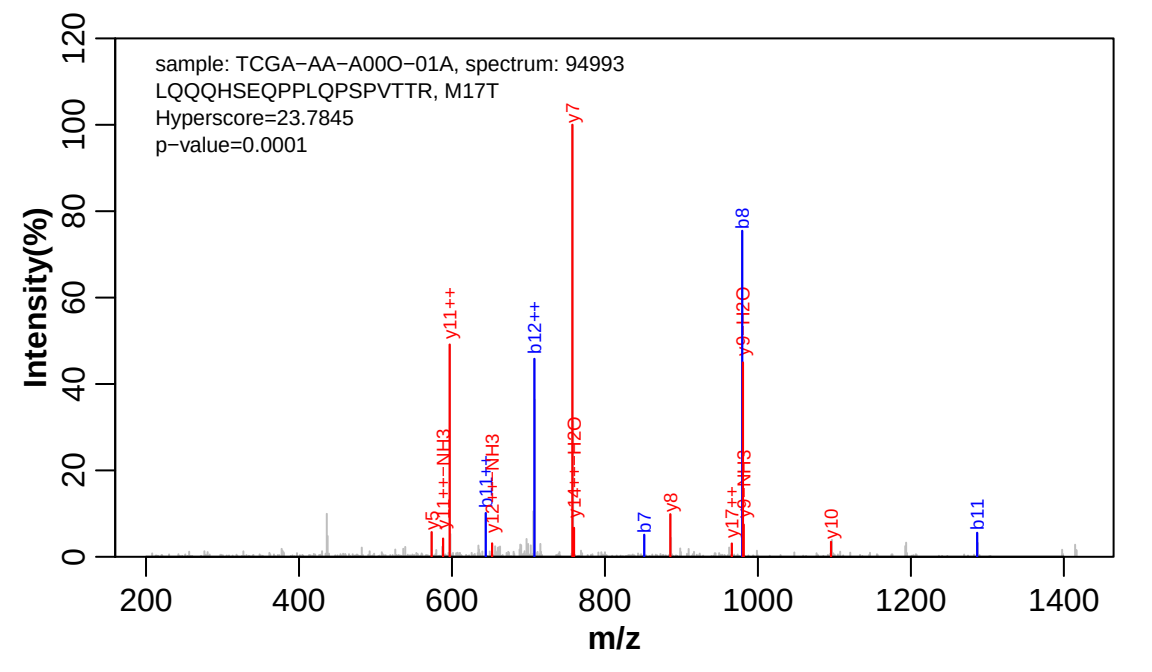

sample: TCGA−AA−A00O−01A, spectrum: 138041
LEGLLEGLGLR, G6E
Hyperscore=33.0460
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
b3
y3
b4
y4
y5−NH3
y5
b5
y6
b6−H2O
b6
b8−H2O
b8
y8
b9
y7
y9
b10

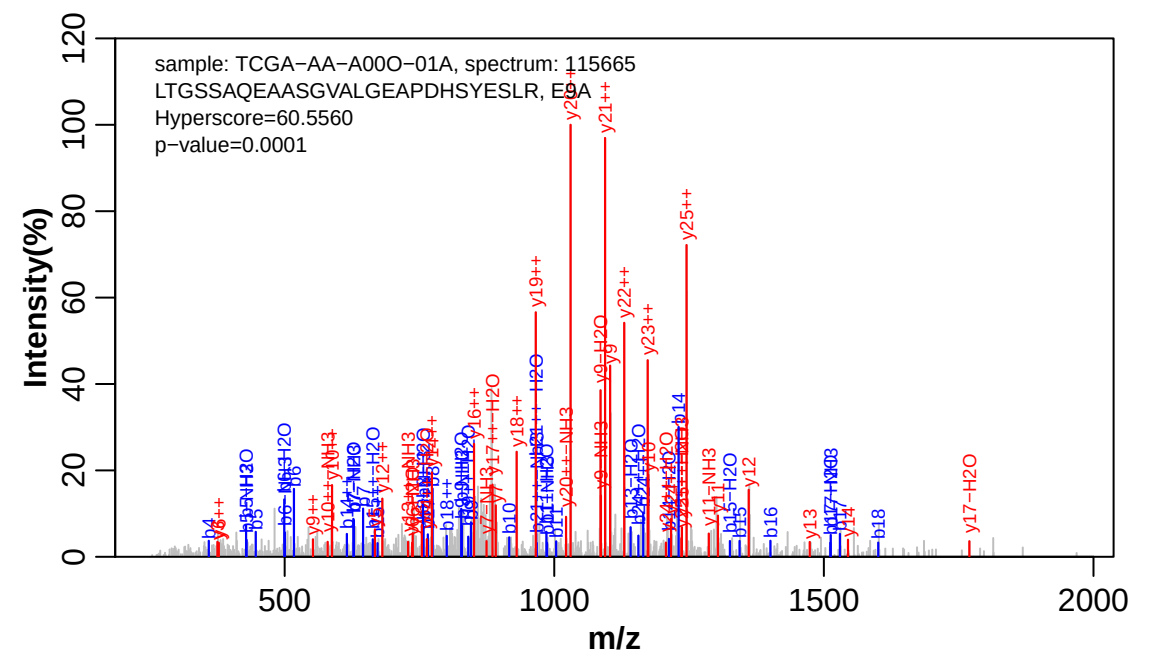

sample: TCGA−AA−A00O−01A, spectrum: 28492
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=84.8255
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y5
y4
b14++
b10
b13++
b11++
b12++
b7
b10++
b8
y10
b9
b11
b12
y9
b5
b4
y2
b2
y3
y7++
y4++
b7++
b8++
b9++
y6−NH3
y7−H2O
y14++−H2O
y15++−H2O
b7−H2O
b16++−NH3

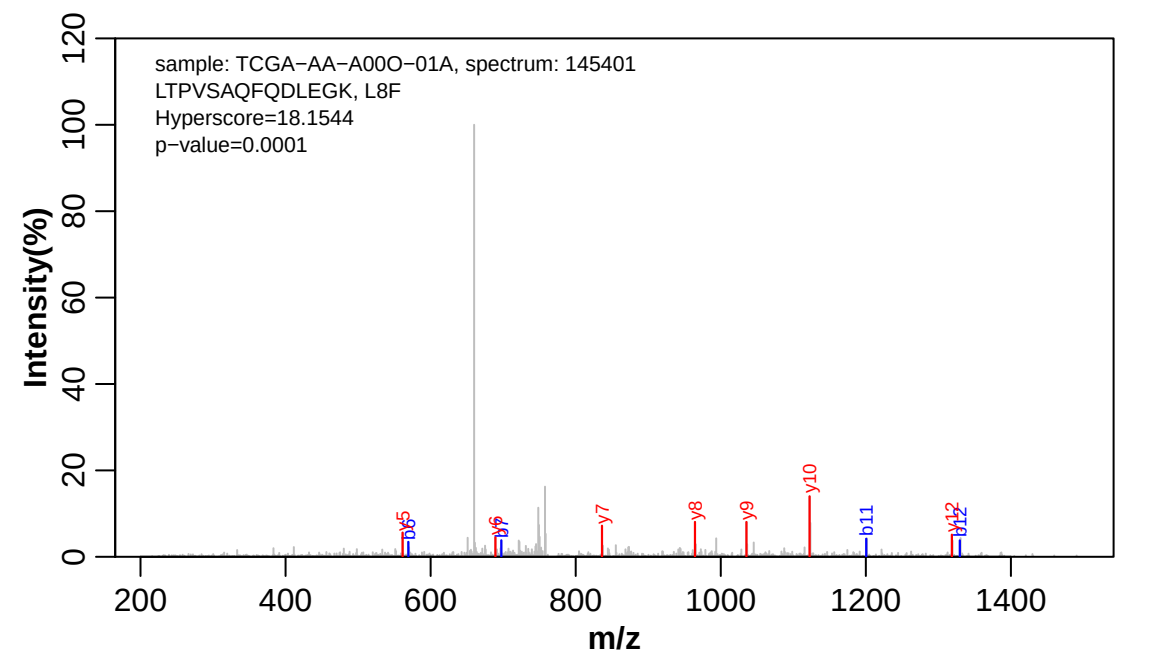

sample: TCGA−AA−A00O−01A, spectrum: 138010
LKEVFPMAALMPGAEK, T7M
Hyperscore=40.0768
p−value=0.0001
Intensity(%)
m/z
y5
y6
y7
y7−NH3
b10++
b11++
b10++−NH3
y5++
y7++
y4
y9++
b8++
y11++
b15++
y8
b7
y9
b8
b9
b10

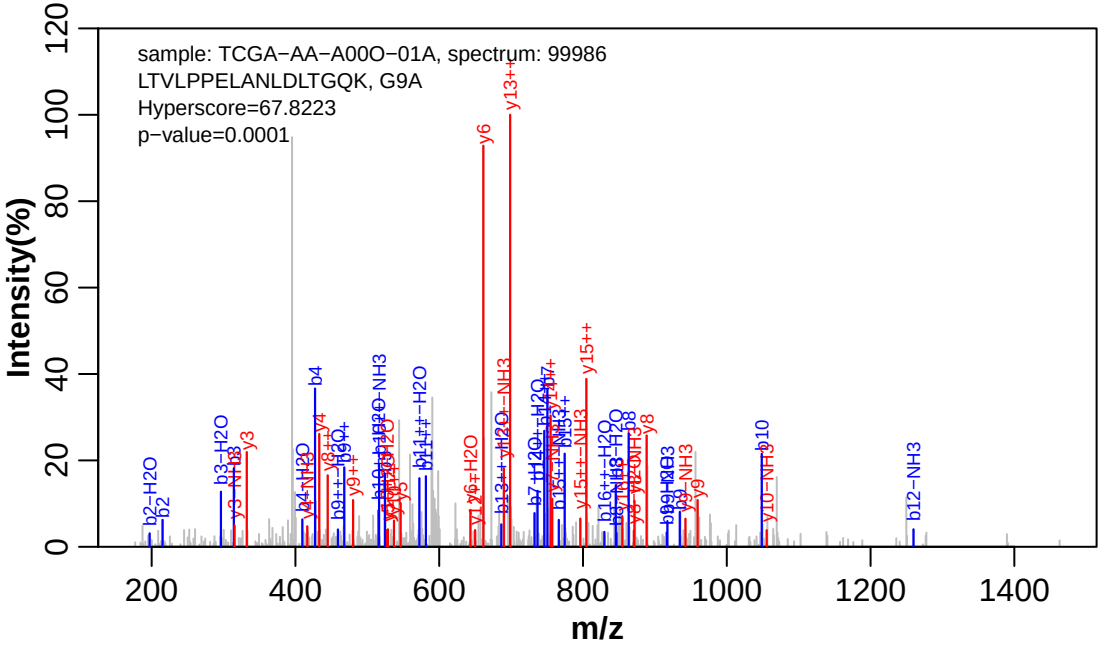

sample: TCGA−AA−A00O−01A, spectrum: 99474
LLDAETTAGAWPNVAAVSLTGR_A9G
Hyperscore=40.4472
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b12++
y8
y5
b10
b11
b14
y6
y7
b5++−H2O
y6++−H2O
y7++−H2O
b7++
y4−NH3
y4
b10++−H2O
b11++
b15++
b18++
b11−H2O
y11−NH3
y11
b11−H2O

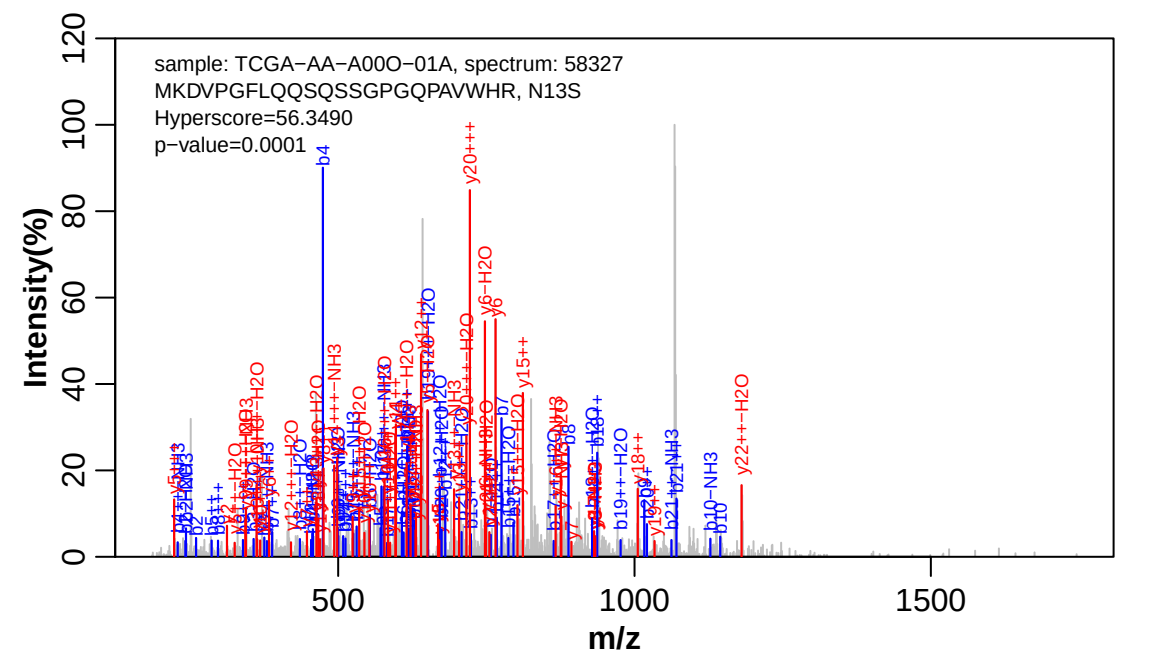

sample: TCGA−AA−A00O−01A, spectrum: 7693
LQPEDMFVYDLNEK, C9Y
Hyperscore=24.8211
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
y5
b6
y6
b7−H2O
b7
y7
b8
y8
b9
y9
y10
b11
y12−H2O
y12

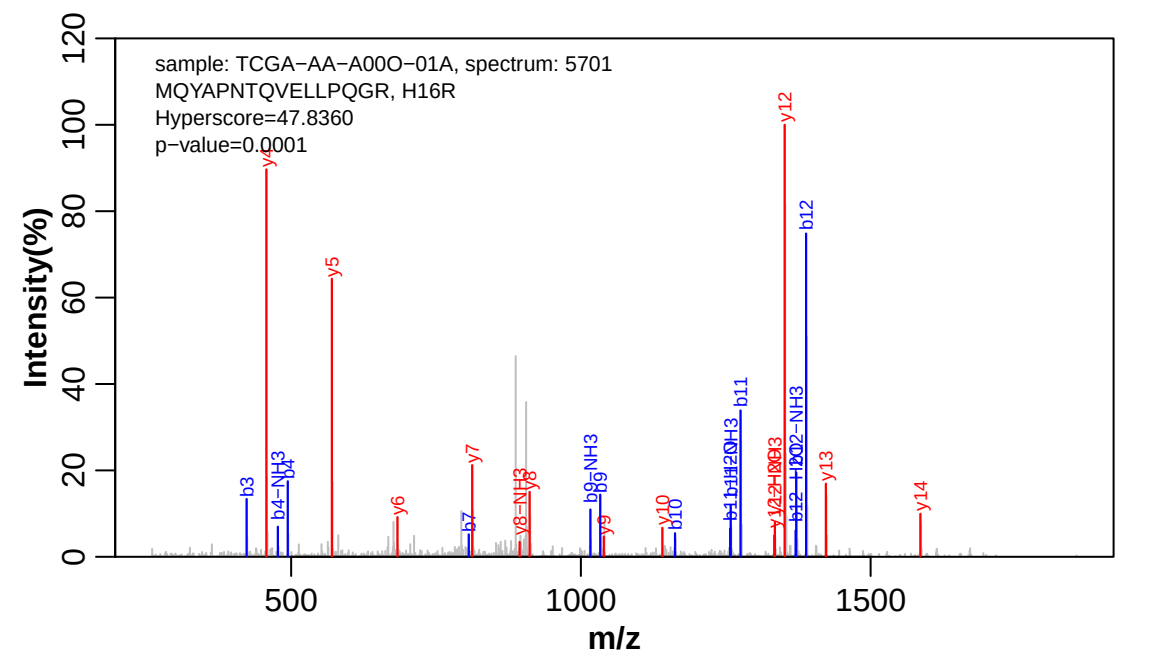

sample: TCGA−AA−A00O−01A, spectrum: 94993
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=23.7845
p−value=0.0001
Intensity(%)
m/z
y7
b8
y11++
b12++
y9 +H2O
y14++ H2O
y11++−NH3
y5
y11++
y12++−NH3
b7
y8
y9++−NH3
y17++
y10
b11

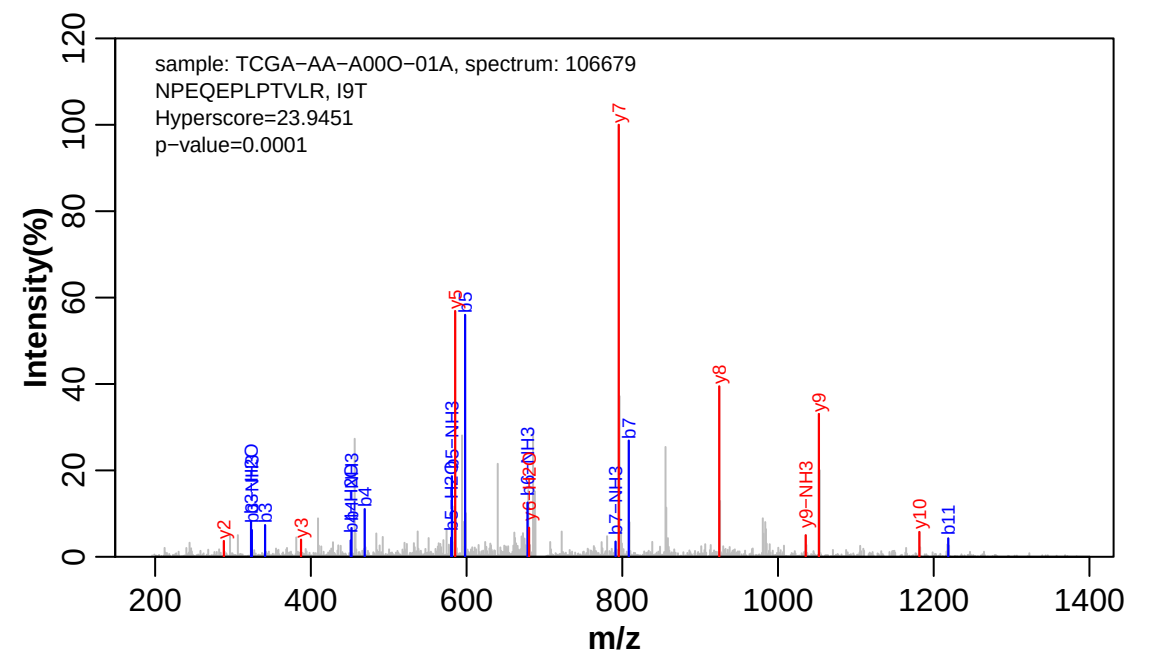

sample: TCGA−AA−A00O−01A, spectrum: 115665
LTGSSAQEAASGVALGEAPDHSYESLR, E9A
Hyperscore=60.5560
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y20++
y21++
y25++
y19++
y22++
y23++
y9−H2O
y9−NH3
y8−NH3
y8−H2O
y17−H2O
y16++
y17++−H2O
y18++
y20++−NH3
y11−NH3
y11−H2O
y12
b16
y13
b18
y14
b4
y6++
b5
b6−NH3
b6−H2O
b8
y9++
y10++
y10−NH3
b12++
y12++
b14
b15++
b15++−H2O
b18++
b10
b11++−NH3
b11++−H2O
b12++−NH3
b12++−H2O
b14++
b14++−H2O
b15
b15−H2O
b17++
b17++−H2O

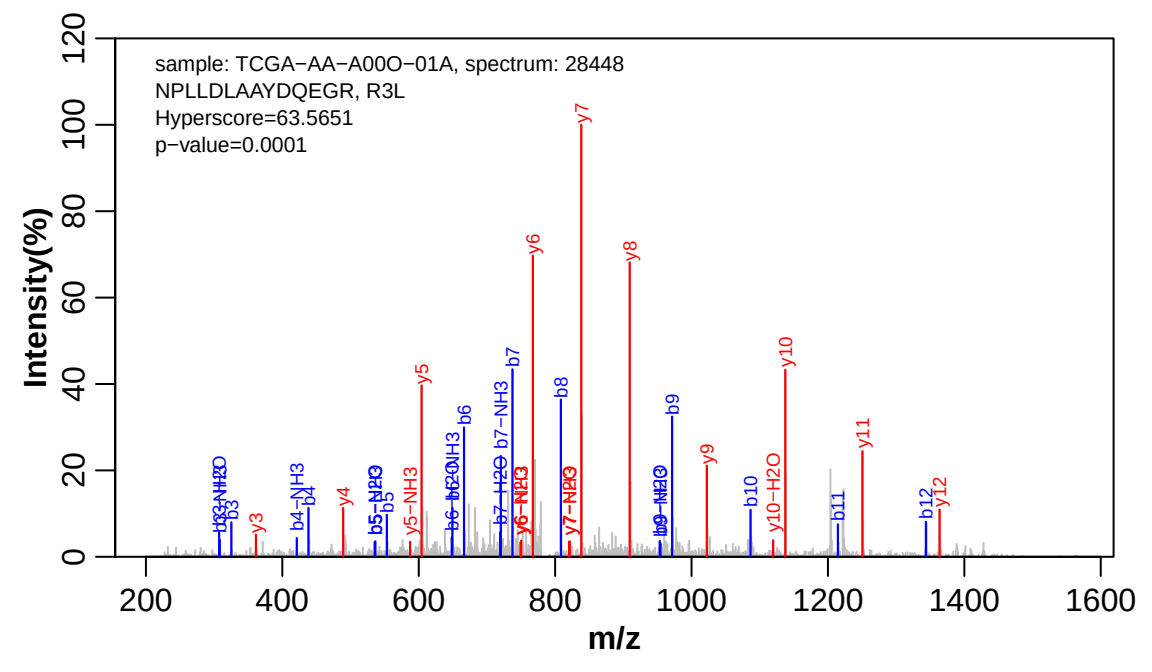

sample: TCGA−AA−A00O−01A, spectrum: 145401
LTPVSAQFQDLEGK, L8F
Hyperscore=18.1544
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b5
b6
y6
b7
y7
y8
y9
y10
b11
y12
b12

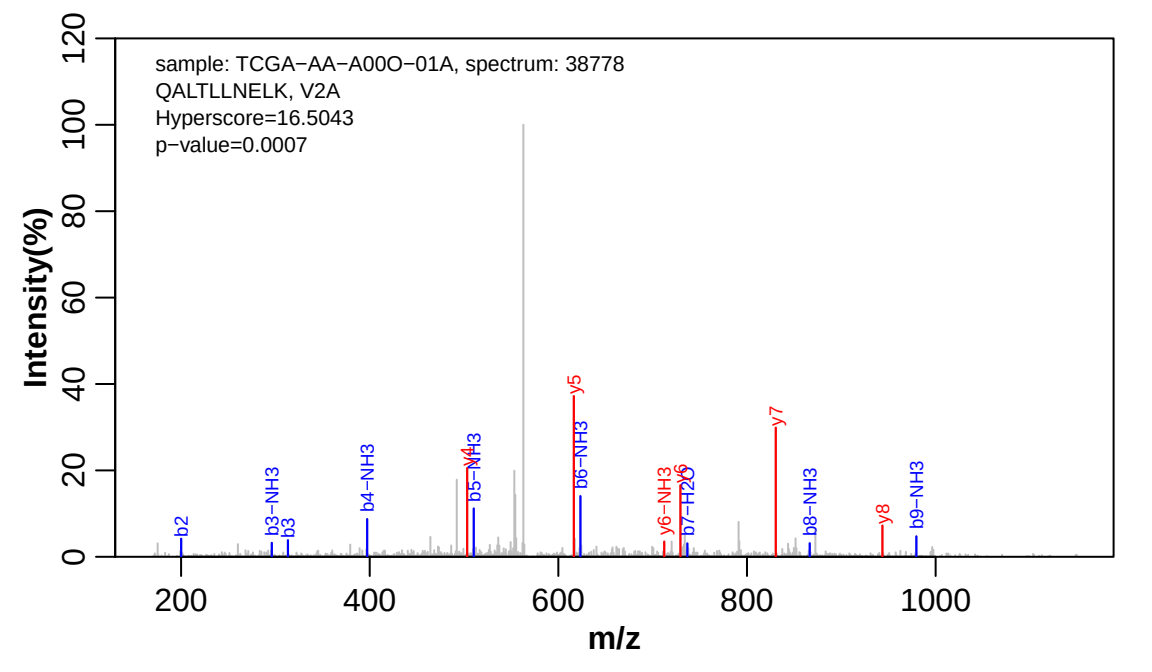

sample: TCGA−AA−A00O−01A, spectrum: 99986
LTVLPPELANLDLTGQK, G9A
Hyperscore=67.8223
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y13++
y6
y15++
b4
y4
y3
b3−H2O
b2−H2O
b2
y15++−NH3
y8
b12−NH3
y10−NH3
b10
y9
y9−NH3
b11++−H2O
b13++−H2O
b4−H2O
b4−NH3
y4−H2O
y4−NH3
y3−NH3
y9++−H2O
y8++−H2O
y6+−H2O
y6+−NH3
y5−H2O
y5−NH3
b5−H2O
b5−NH3
b6−H2O
b6−NH3
b7−H2O
b7−NH3
b8−H2O
b8−NH3
b9−H2O
b9−NH3
b11++−NH3
b13++−NH3
y15++−H2O
y15++−NH3
y8−H2O
y8−NH3
b16++−H2O
b16++−NH3
y10−H2O

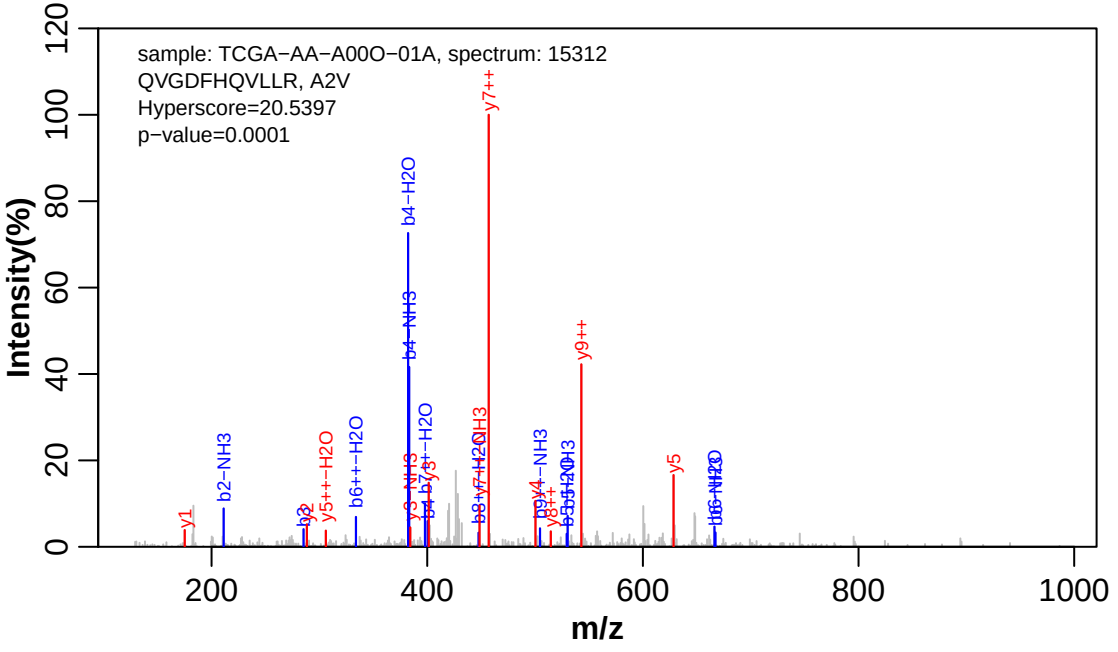

sample: TCGA−AA−A00O−01A, spectrum: 58327
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=56.3490
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y20+++
y6−H2O
y15++
y22++−H2O
b10−NH3
b19++−H2O

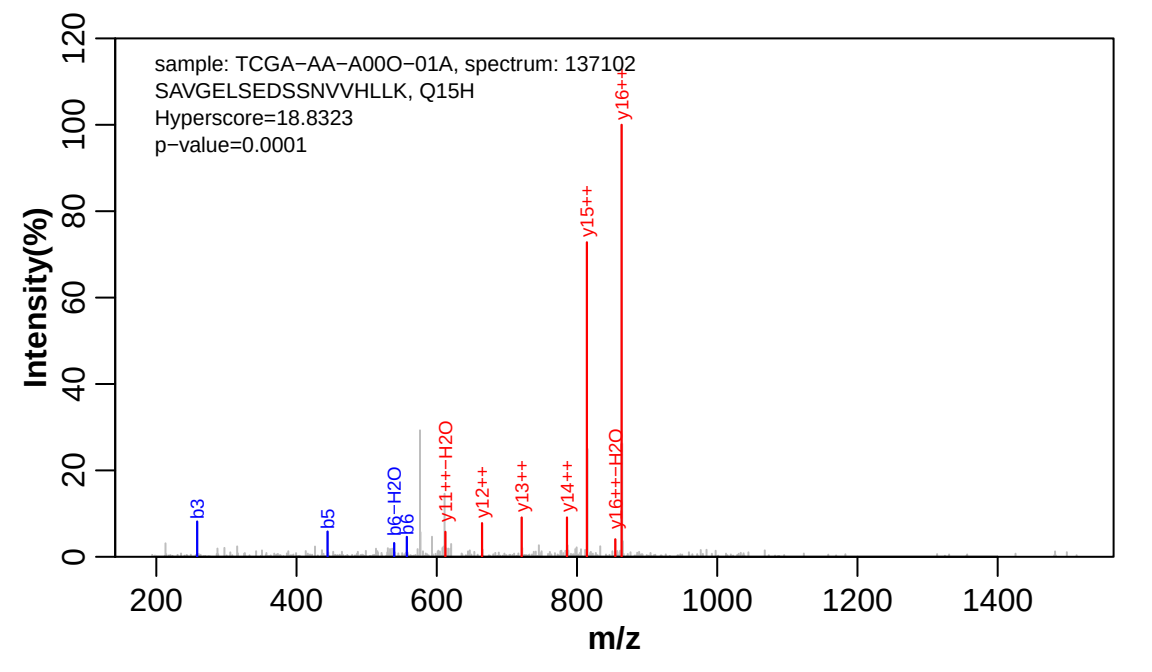

sample: TCGA−AA−A00O−01A, spectrum: 5701
MQYAPNTQVELLPQGR, H16R
Hyperscore=47.8360
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y8
y8−NH3
y9
y10
y12
y13
y14
b3
b4
b4−NH3
b7
b8
b8−NH3
b9
b10
b11
b12
b12−NH3

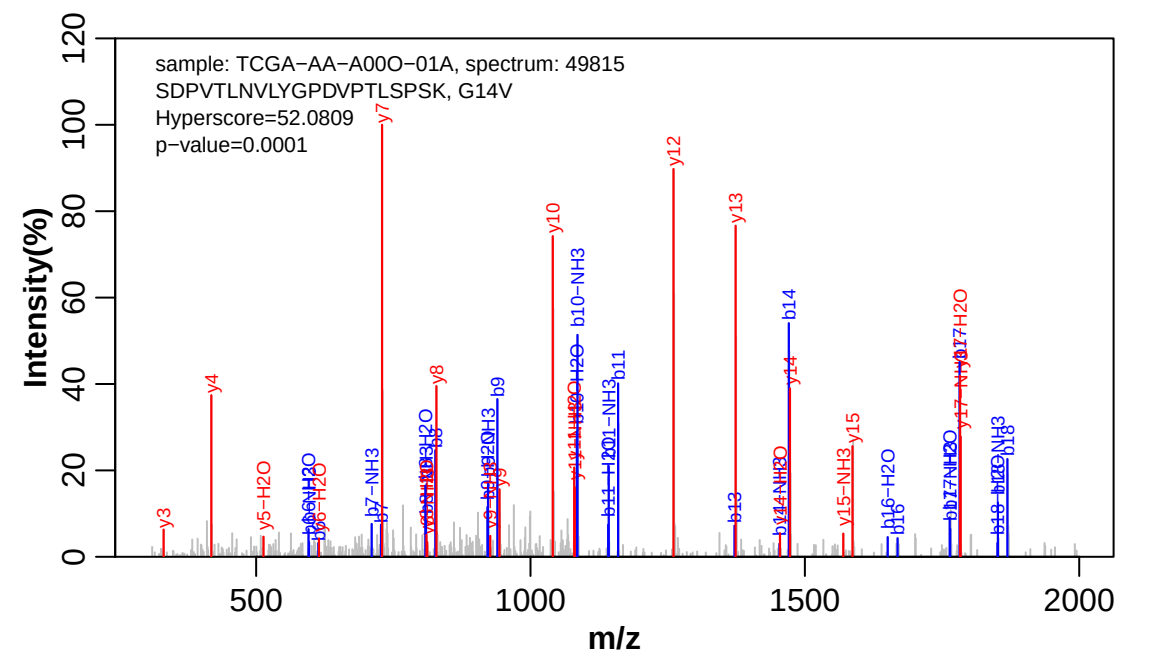

sample: TCGA−AA−A00O−01A, spectrum: 106679
NPEQEPLPTVLR, I9T
Hyperscore=23.9451
p−value=0.0001
Intensity(%)
m/z
y7
y5
b5
y8
y9
b7
y9−NH3
b7−NH3
y10
b11
y2
b3
y3
b4
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

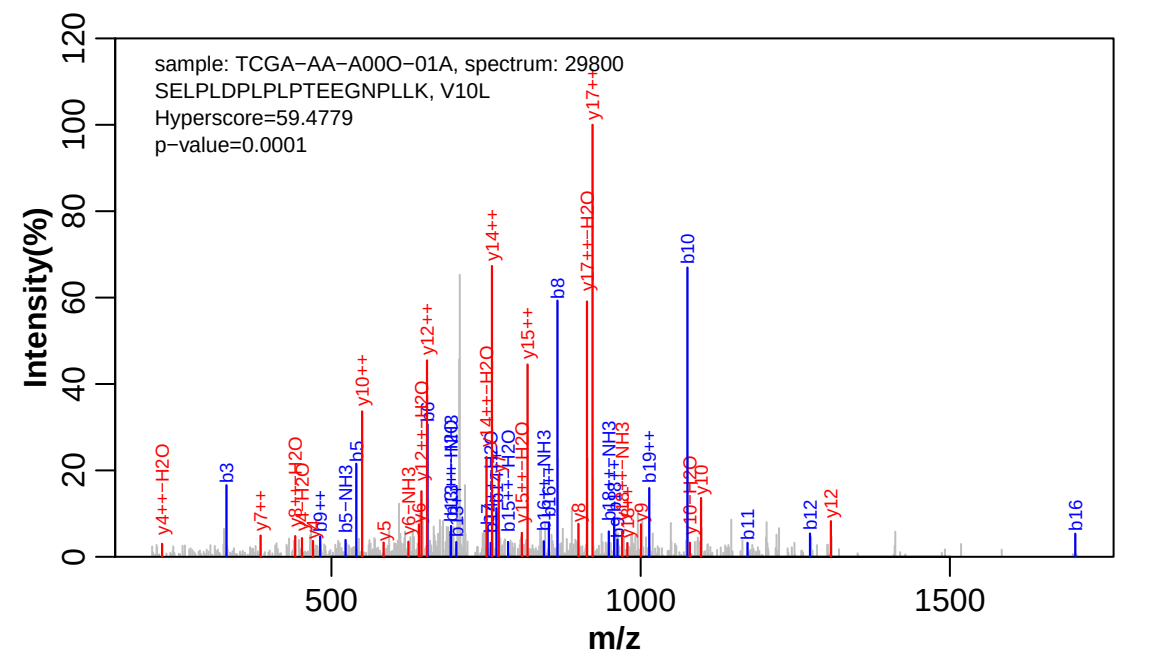

sample: TCGA−AA−A00O−01A, spectrum: 28448
NPLLDLAAYDQEGR, R3L
Hyperscore=63.5651
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y6
y8
y5
b8
b7
b6
b9
y10
y9
y11
y12
b10
b11
b12
y3
y4
y5−NH3
b7−NH3
y10−H2O
b4−NH3

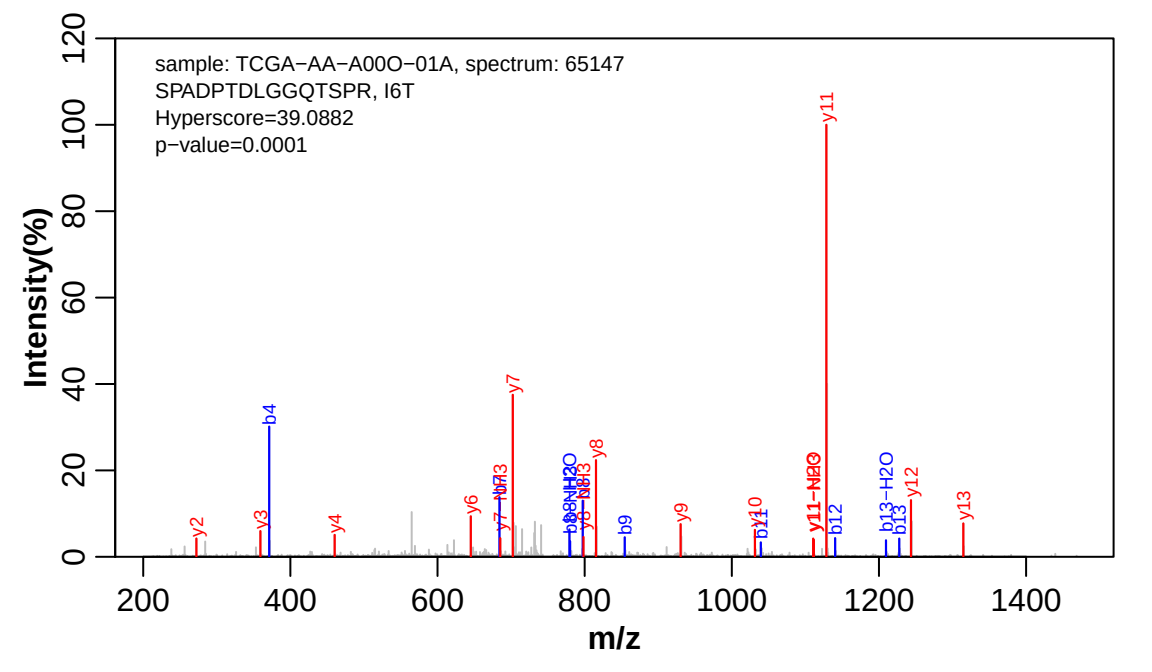

sample: TCGA−AA−A00O−01A, spectrum: 38778
QALTLLNELK, V2A
Hyperscore=16.5043
p−value=0.0007
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3−NH3
b3
b4−NH3
y4
b5−NH3
y5
b6−NH3
y6−NH3
b7−H2O
y6
y7
b8−NH3
y8
b9−NH3

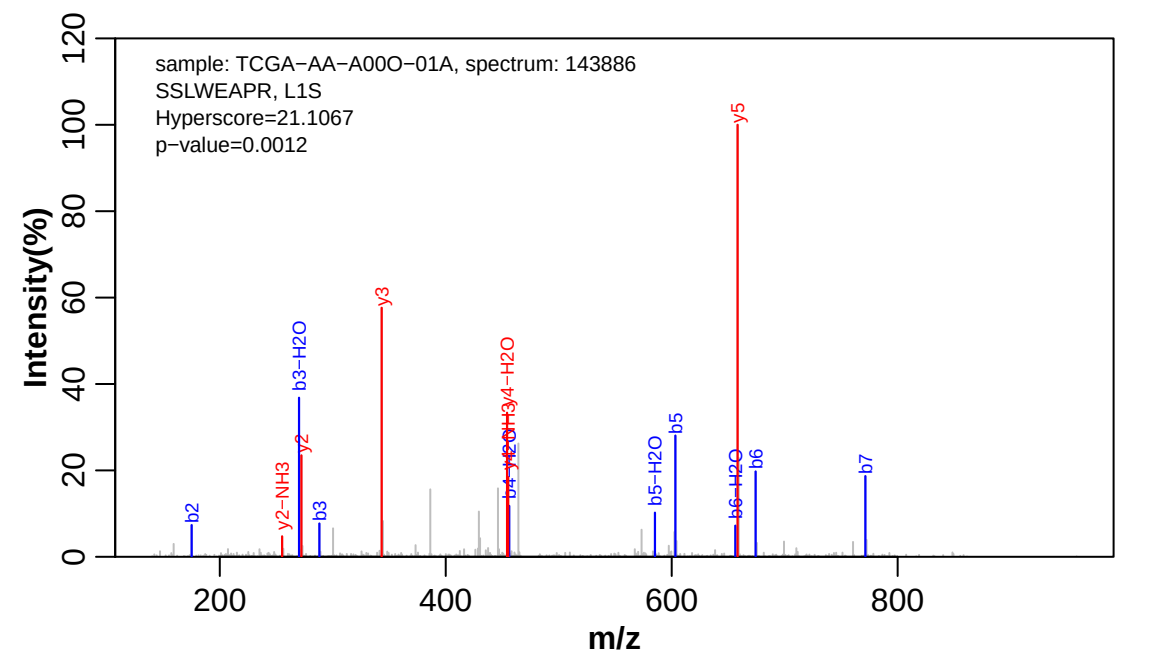

sample: TCGA−AA−A00O−01A, spectrum: 15312
QVGDFHQVLLR, A2V
Hyperscore=20.5397
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y7++
b4−H2O
b4−NH3
y9++
y5
b2−NH3
y1
b2
y5++−H2O
b6++−H2O
y3−NH3
b4
b7++−H2O
b8+y7+−H2O−NH3
y8++
b5+−H2O−NH3
y4+−NH3
b6−NH3

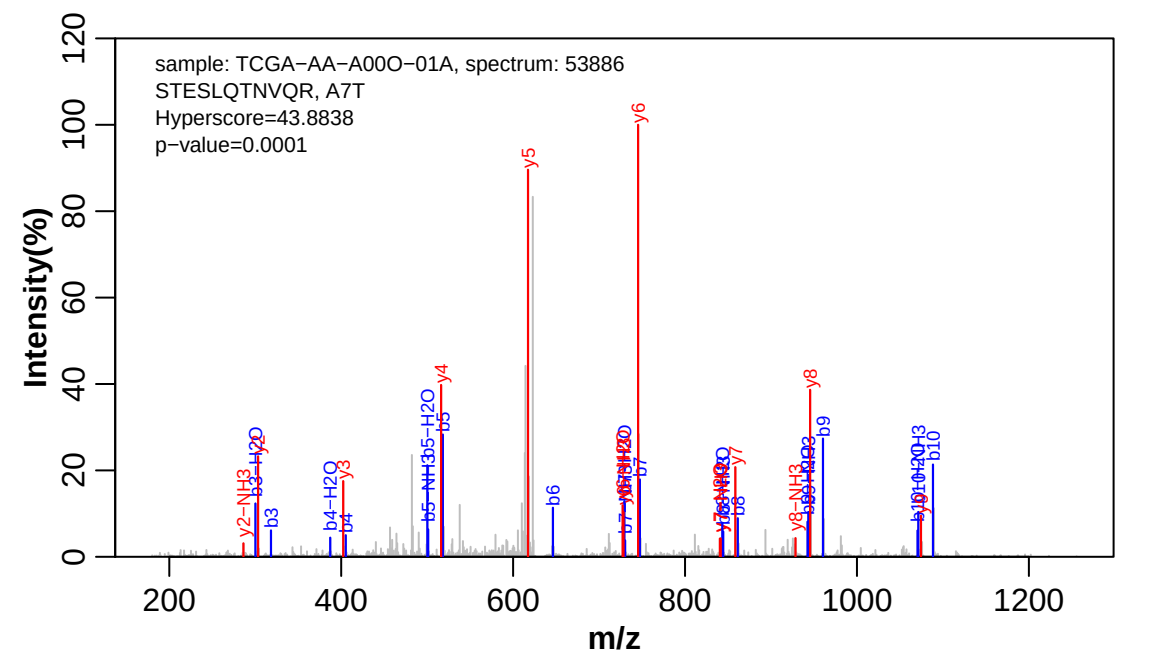

sample: TCGA−AA−A00O−01A, spectrum: 137102
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=18.8323
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
b5
b6−H2O
b6
y11++−H2O
y12++
y13++
y14++
y15++
y16++−H2O
y16++

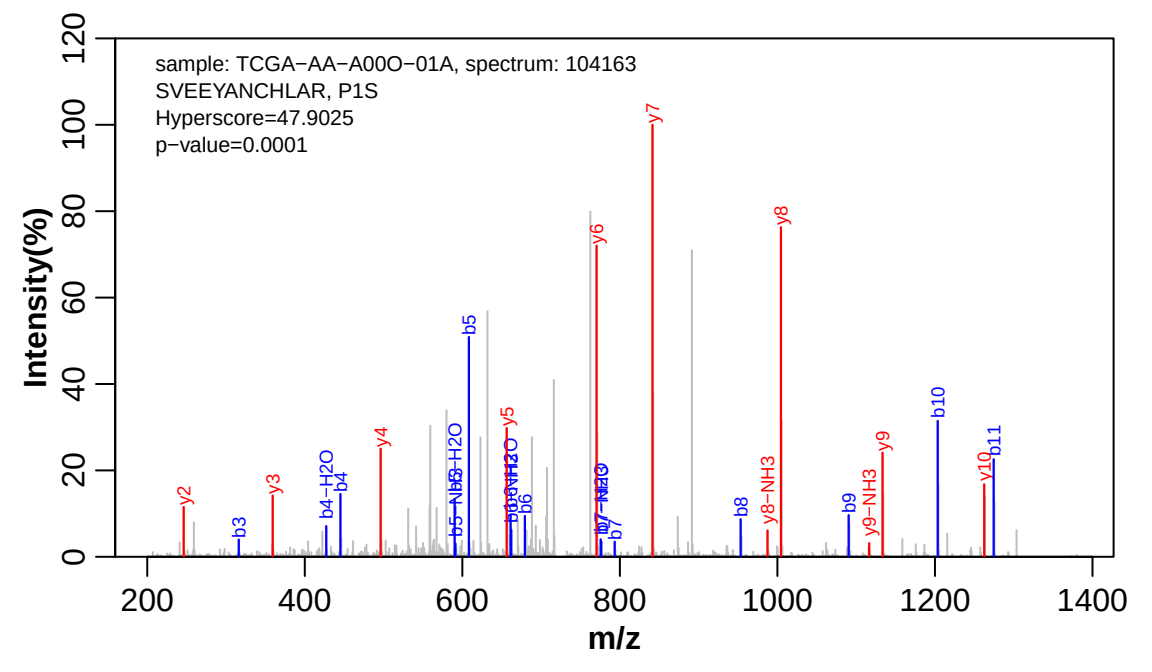

sample: TCGA−AA−A00O−01A, spectrum: 49815
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=52.0809
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y5−H2O
y7
y8
y10
y12
y13
y14
y15
b7−NH3
b10−NH3
b11
b13
b14
b14−NH3
y15−NH3
b16−H2O
b16
y17−NH3
y17−H2O
b18

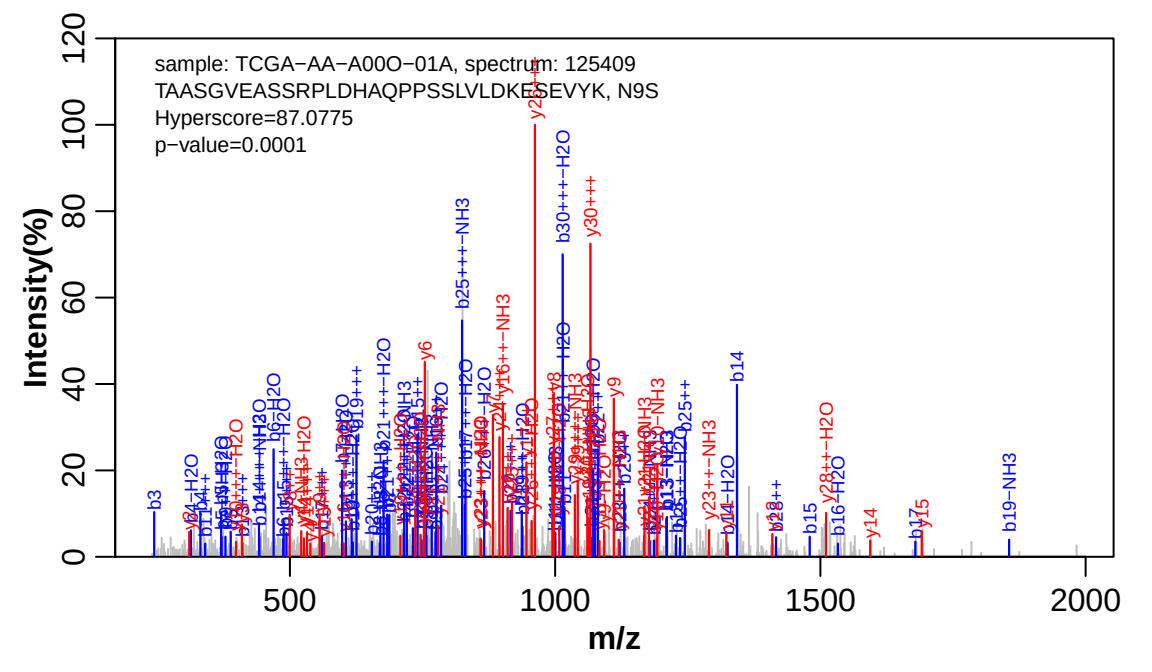

sample: TCGA−AA−A00O−01A, spectrum: 29800
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=59.4779
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4++−H2O
b3
y7++
y8++−H2O
y8++
b9++
b5−NH3
b5
y10++
y5
y6−NH3
y6
y12++−H2O
y12++
y14++
y14++−H2O
b15++−H2O
y15++−H2O
y15++
b16++−NH3
b8
y8
y17++−H2O
y17++
b10
y10−H2O
y10
b11
b12
y12
b16

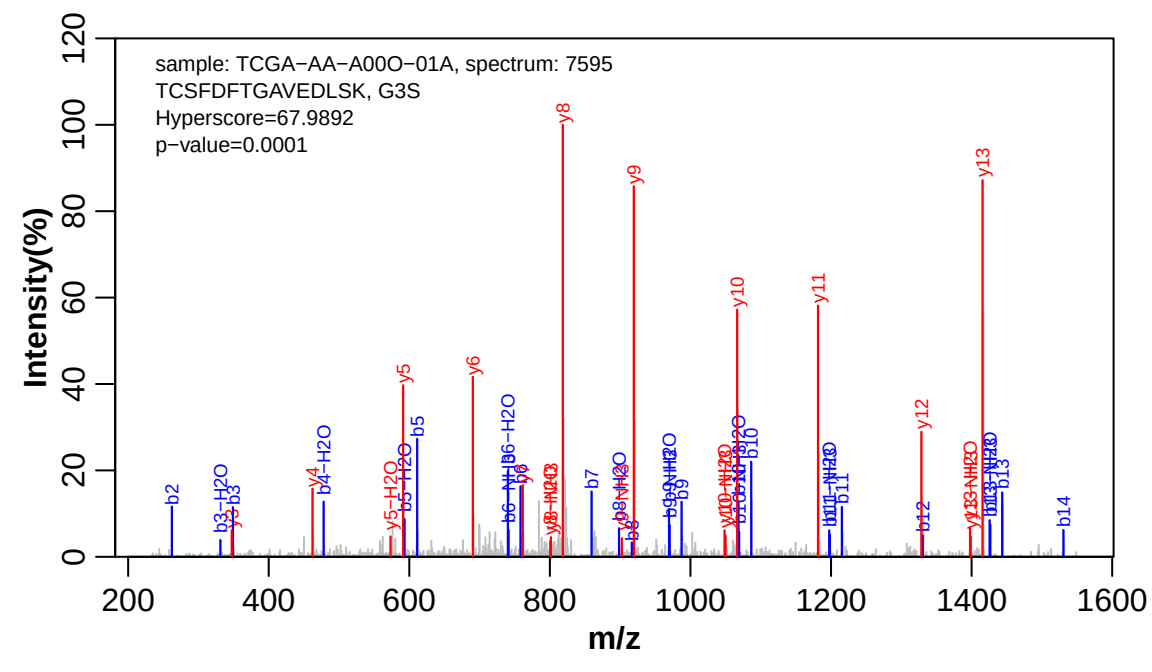

sample: TCGA−AA−A00O−01A, spectrum: 65147
SPADPTDLGGQTSPR, I6T
Hyperscore=39.0882
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4
y3
y4
y6
y7
y7−NH3
y7
b8−H2O
b8−NH3
y8
b9
y9
b10
b11
y11−NH3
y11−H2O
y11
b12
b13−H2O
b13
y12
y13

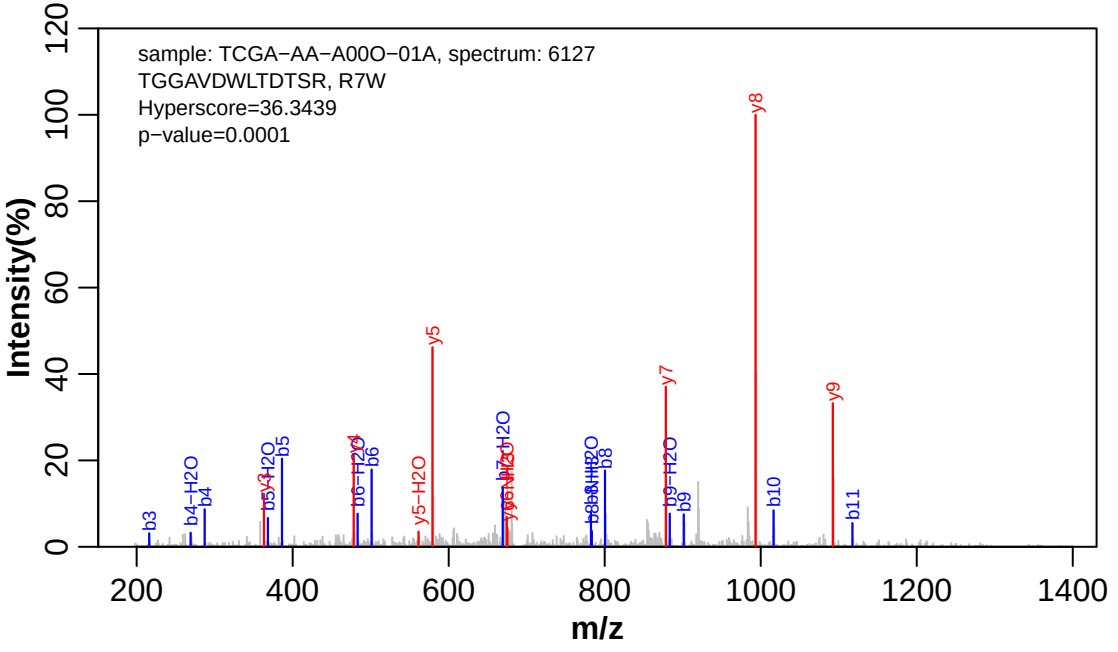

sample: TCGA−AA−A00O−01A, spectrum: 143886
SSLWEAPR, L1S
Hyperscore=21.1067
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b2
y2−NH3
b3−H2O
y2
b3
y3
b4−H2O
b5
b5−H2O
b6−H2O
b6
y5
b7

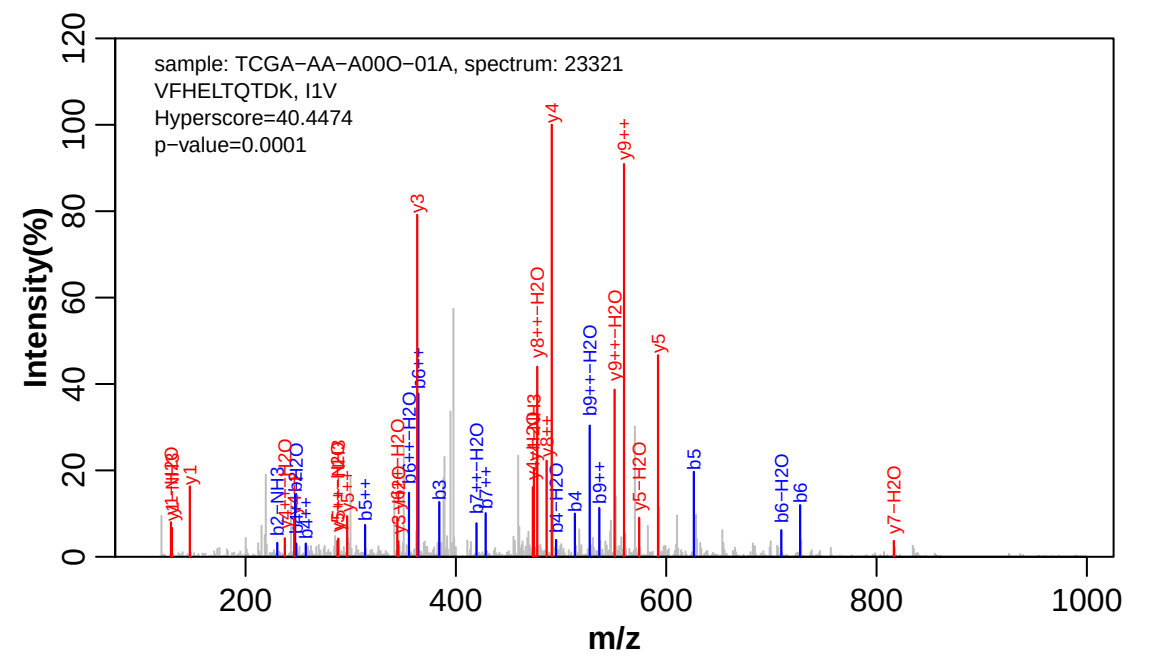

sample: TCGA−AA−A00O−01A, spectrum: 53886
STESLQTNVQR, A7T
Hyperscore=43.8838
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y8
y4
b9
b10
b6
b5
b5−H2O
b5−NH3
y3
b4−H2O
b4
b3
b3−H2O
y2−NH3
y7
b7
b8

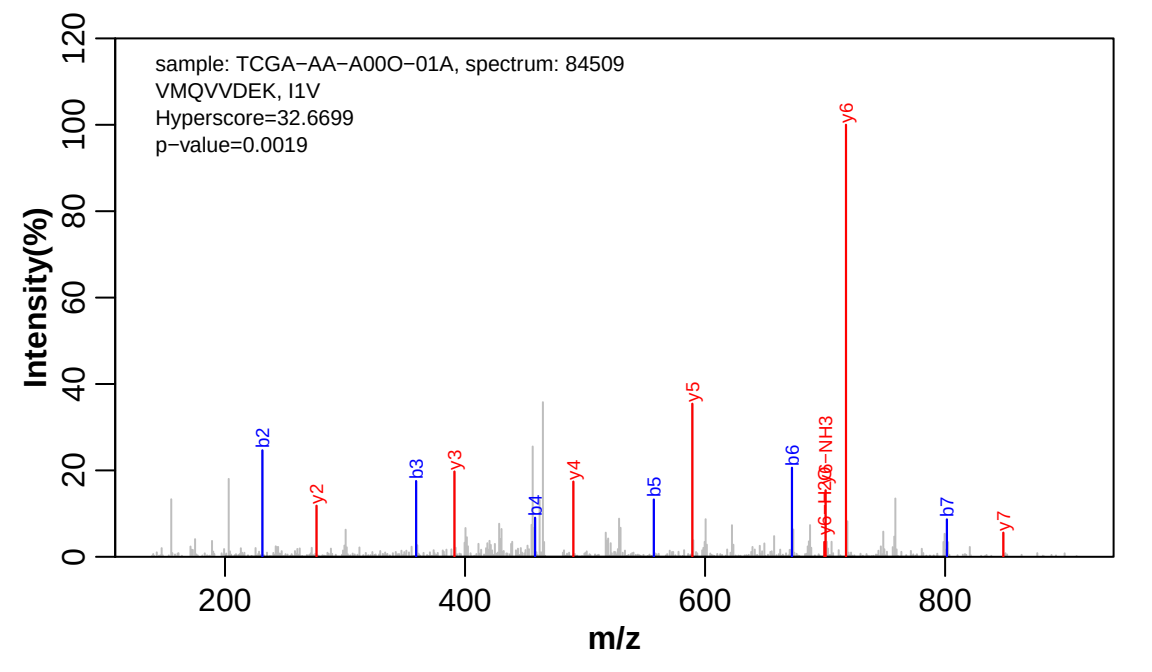

sample: TCGA−AA−A00O−01A, spectrum: 104163
SVEEYANCHLAR, P1S
Hyperscore=47.9025
p−value=0.0001
Intensity(%)
m/z
y2
b3
y3
b4−H2O
b4
y4
b5
b5−NH3
b5−H2O
y5
b6
b7
y7
y6
y8
y8−NH3
b8
b9
y9−NH3
y9
b10
b11
y10

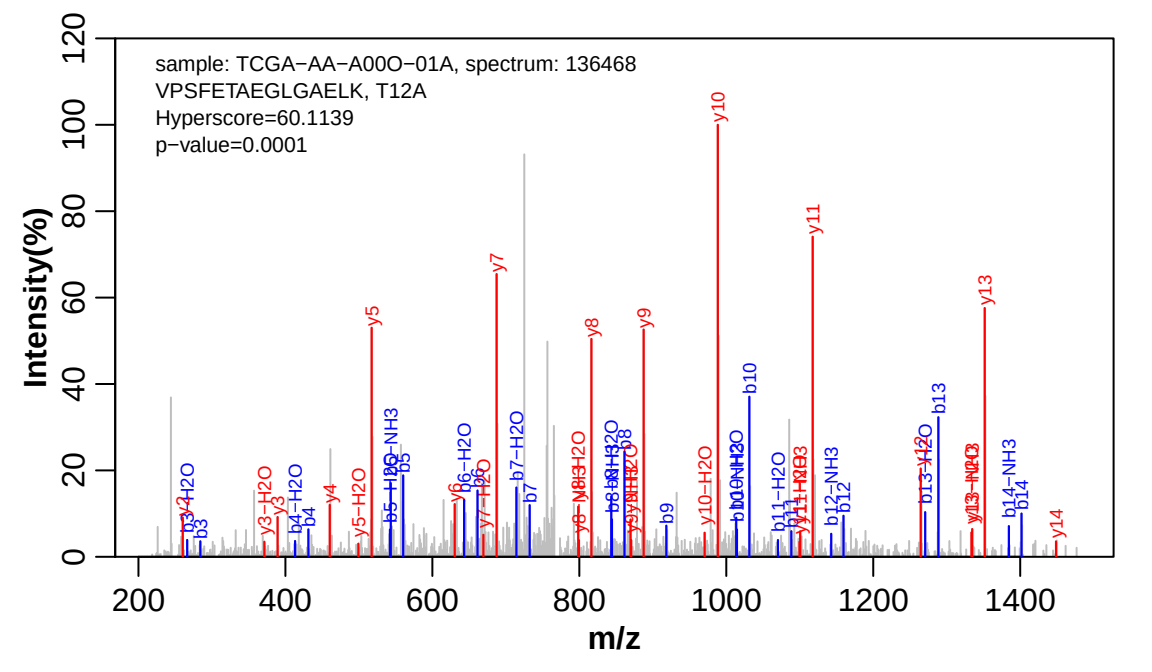

sample: TCGA−AA−A00O−01A, spectrum: 125409
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=87.0775
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4−H2O
b6−H2O
b6−NH3
b14−NH3
b14−H2O
y6
b25+++−NH3
y26++
b30+++−H2O
y30+++
y16++−NH3
b14
b19−NH3
y14
b15
b16−H2O
y28++−H2O
b17
y23++−NH3
b14−H2O

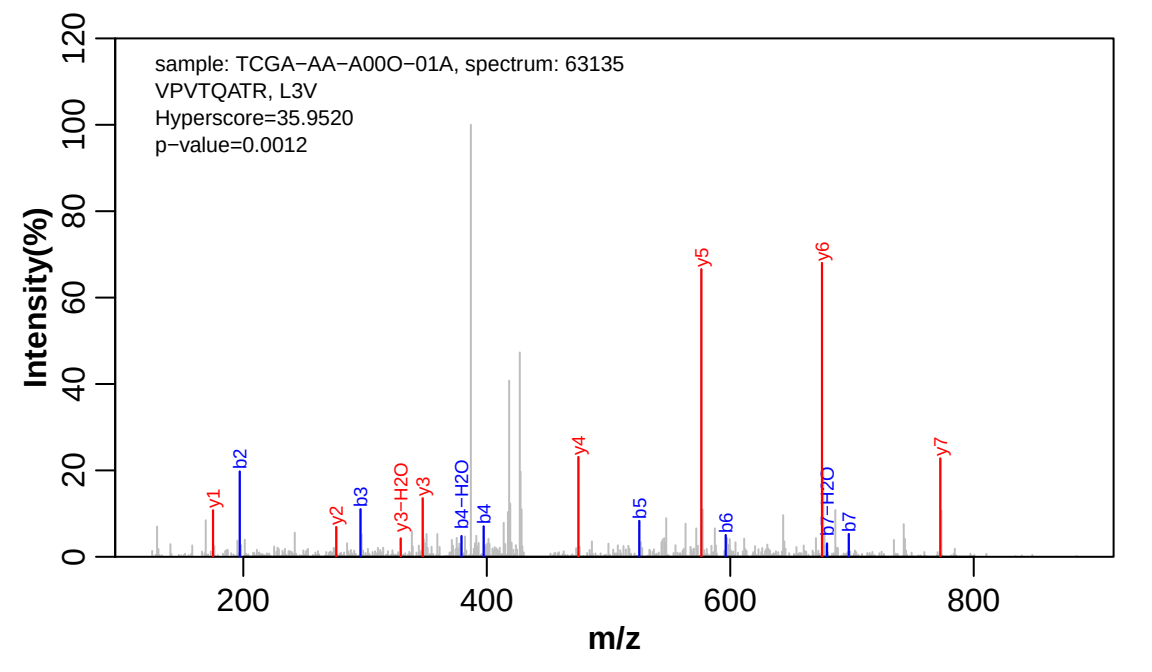

sample: TCGA−AA−A00O−01A, spectrum: 7595
TCSFDFTGAVEDLSK, G3S
Hyperscore=67.9892
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
y3
b3
y4
b4−H2O
y5−H2O
b5−H2O
y5
b5
y6
b6−NH3
b6−H2O
y6
y8−H2O
y8−NH3
y8
b7
y9
b8−NH3
b8
b9−NH3
b9−H2O
b9
y10−NH3
y10−H2O
y10
b10
y11
b11−NH3
b11−H2O
b11
y12
b12
y13−NH3
y13
b13−NH3
b13−H2O
b13
b14

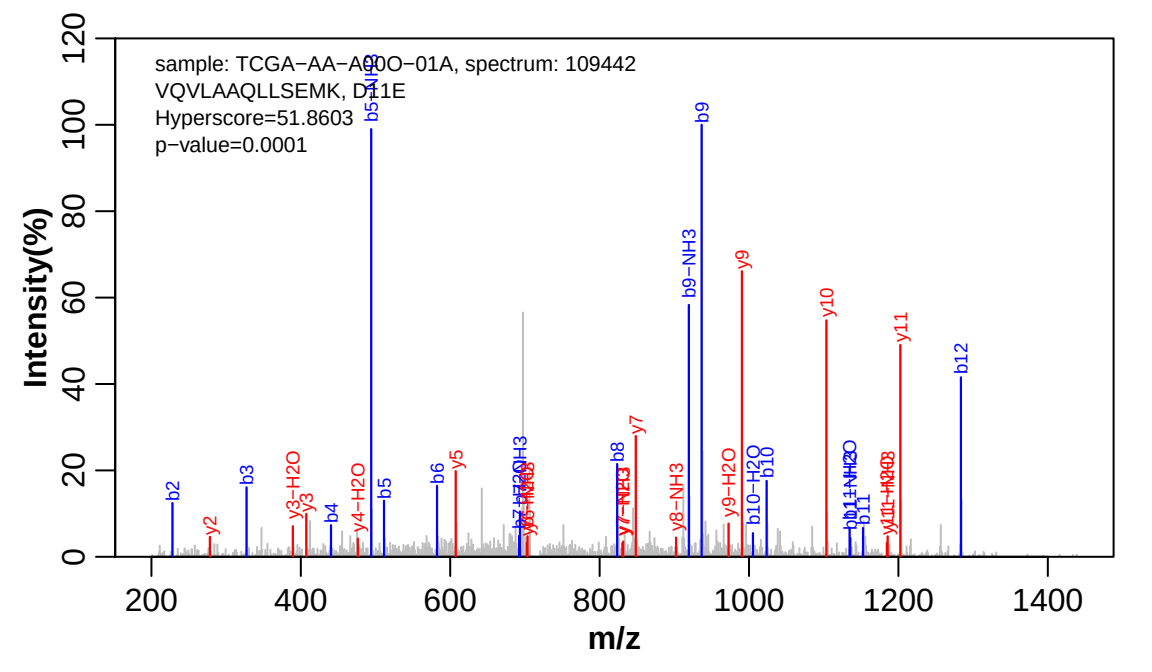

sample: TCGA−AA−A00O−01A, spectrum: 6127
TGGAVDWLTDTSR, R7W
Hyperscore=36.3439
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
b4−H2O
b4
b5−H2O
b5
b6−H2O
b6
y5−H2O
y5
b8
b9−H2O
b9
y7
y8
b10
y9
b11

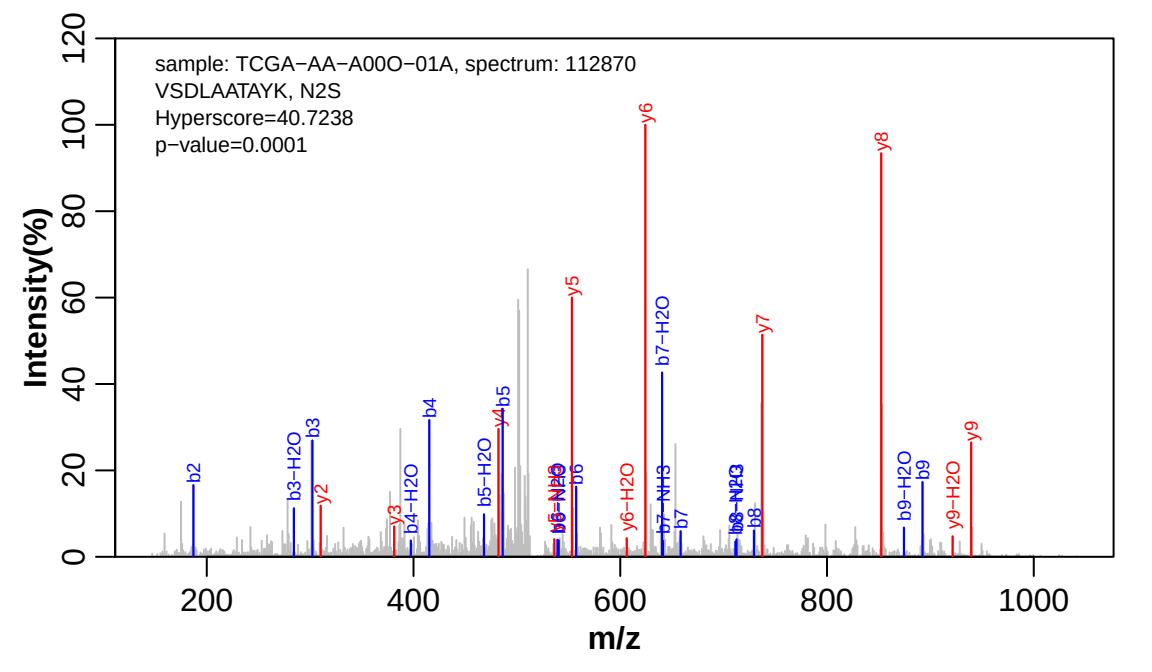

sample: TCGA−AA−A00O−01A, spectrum: 23321
VFHELTQTDK, I1V
Hyperscore=40.4474
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y4
y9++
y3
y8++−H2O
y9++−H2O
y5
b9++−H2O
b6++
b9++
b6++−H2O
b3
b7++−H2O
b5++
b4
y5−H2O
b5
b6−H2O
b6
y7−H2O
y1
b2−NH3

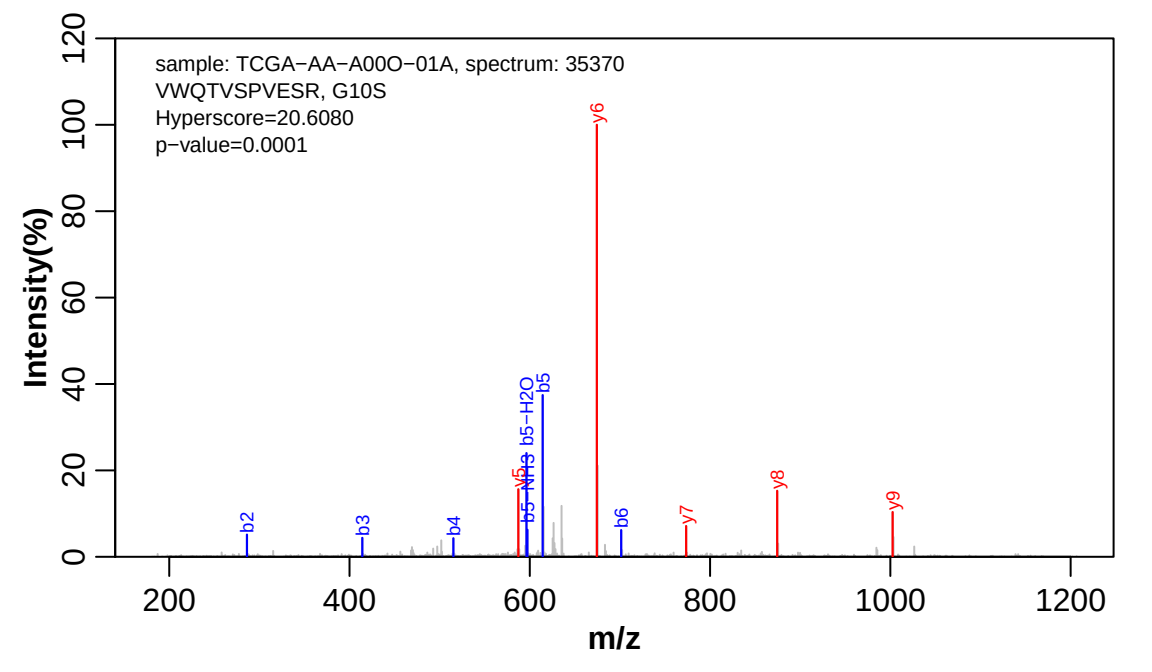

sample: TCGA−AA−A00O−01A, spectrum: 84509
VMQVVDEK, I1V
Hyperscore=32.6699
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2
b3
y3
b4
y4
b5
y5
b6
y6 − NH3
y6
b7
y7

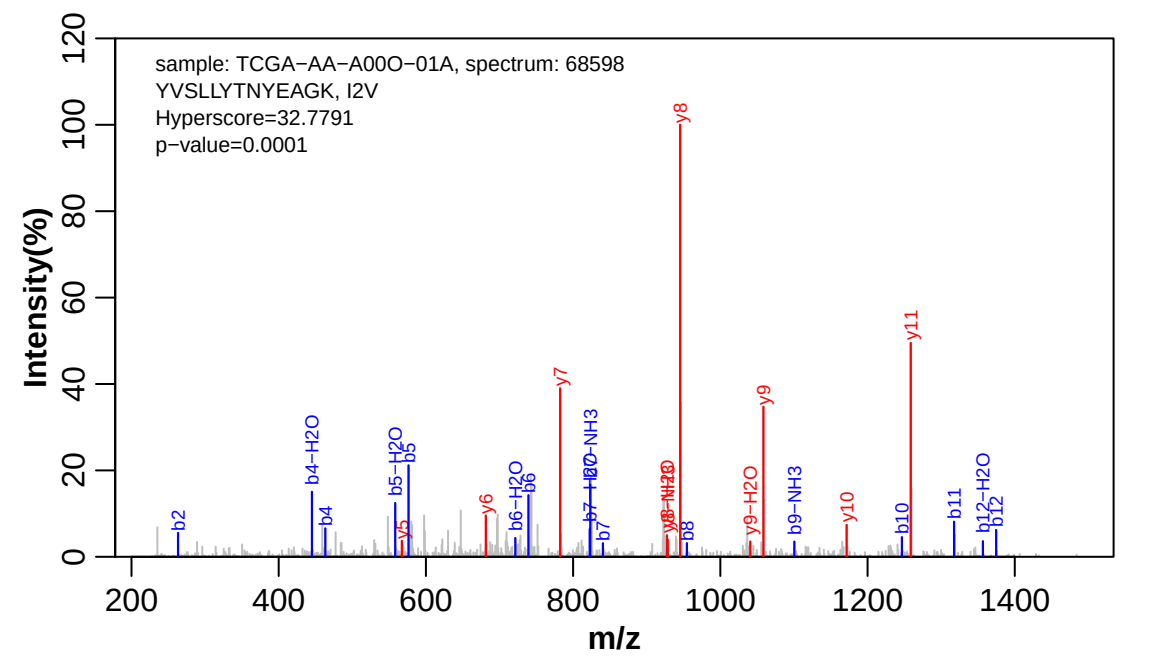

sample: TCGA−AA−A00O−01A, spectrum: 136468
VPSFETAEGLGAELK, T12A
Hyperscore=60.1139
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10
y11
y13
y5
y7
y8
y9
b13
b10
b12
b14
y14
b7−H2O
b5−NH3
y5−H2O
y3−H2O
b4−H2O
b11−H2O
b12−NH3
b14−NH3
b13−H2O

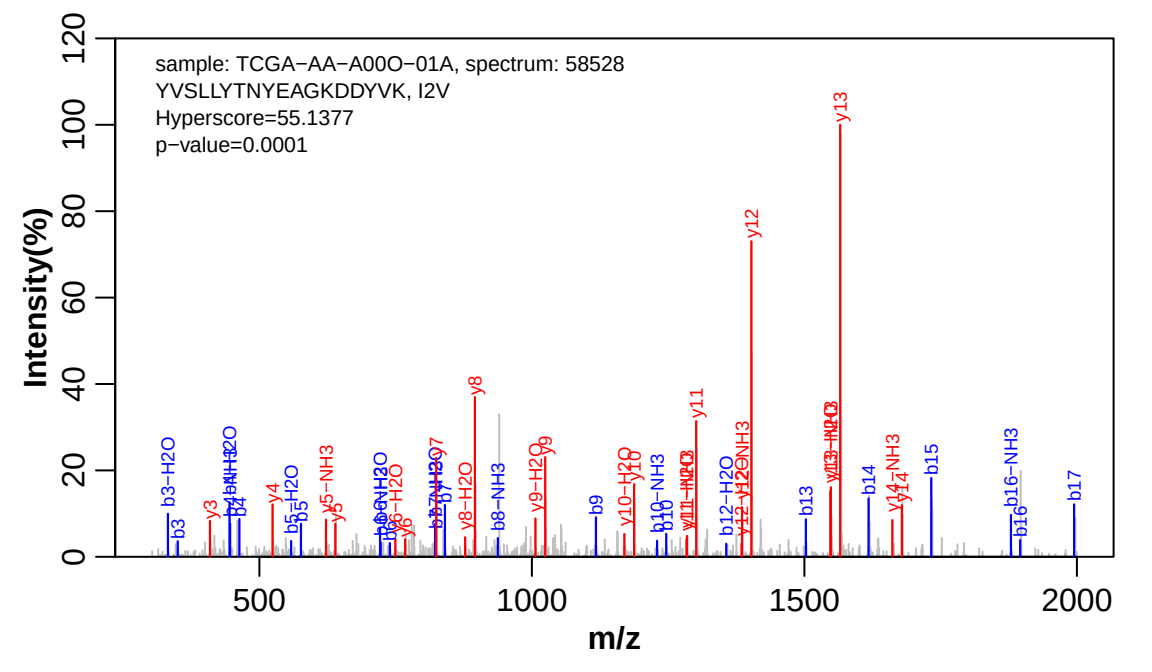

sample: TCGA−AA−A00O−01A, spectrum: 63135
VPVTQATR, L3V
Hyperscore=35.9520
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
b3
y3−H2O
y3
b4−H2O
b4
y4
b5
y5
b6
y6
b7−H2O
b7
y7

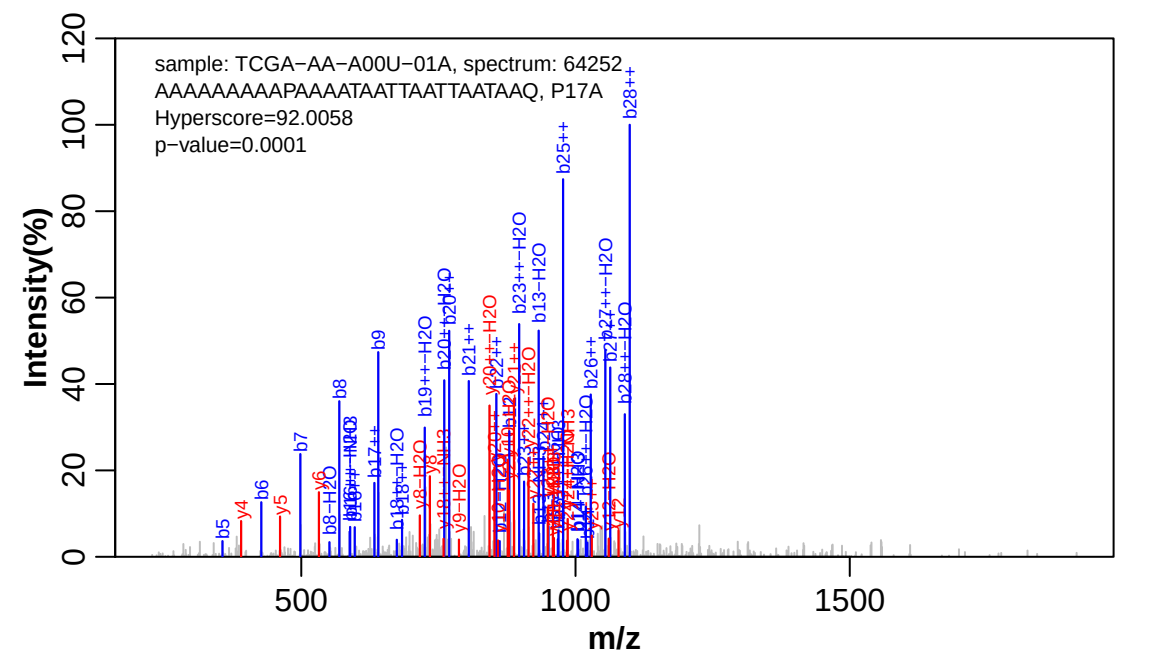

sample: TCGA−AA−A00O−01A, spectrum: 109442
VQVLAAQLLSEMK, D11E
Hyperscore=51.8603
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3−H2O
y3
b4
y4−H2O
b5−NH3
b5
b6
y5
b7−H2O−NH3
b8
y7
y7−NH3
y8−NH3
b9
b9−NH3
y9
y9−H2O
b10−H2O
b10
y10
b11−NH3
b11−H2O
b11
y11
y11−H2O
b12

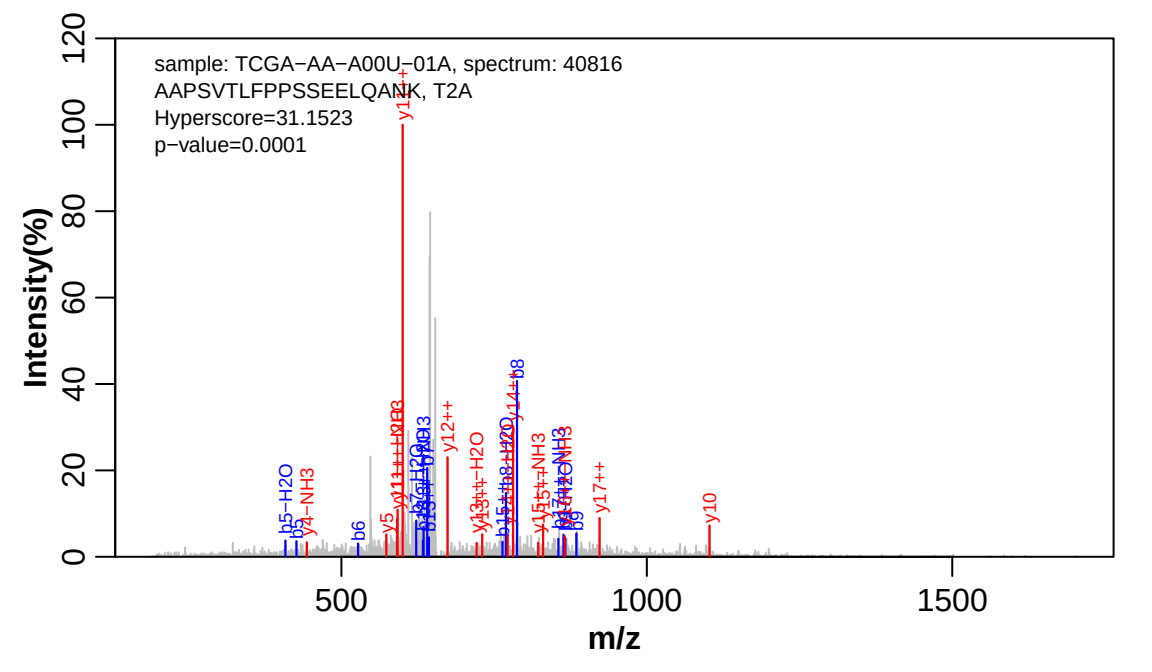

sample: TCGA−AA−A00O−01A, spectrum: 112870
VSDLAATAYK, N2S
Hyperscore=40.7238
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4−H2O
b4
b5−H2O
y4
b5
y5
b6
y6−H2O
y6
b7−NH3
b7−H2O
b7
y7
b8
b9−H2O
b9
y9−H2O
y9
y8

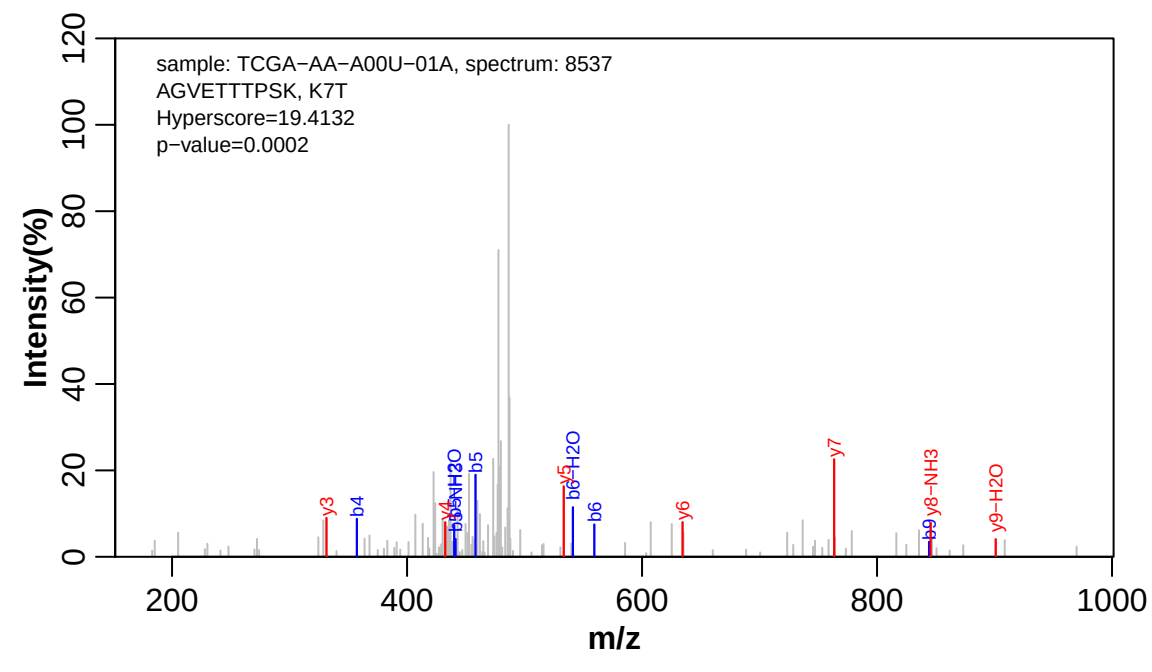

sample: TCGA−AA−A00O−01A, spectrum: 35370
VWQTVSPVESR, G10S
Hyperscore=20.6080
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
b4
y5
b5−NH3
b5−H2O
b5
y6
b6
y7
y8
y9

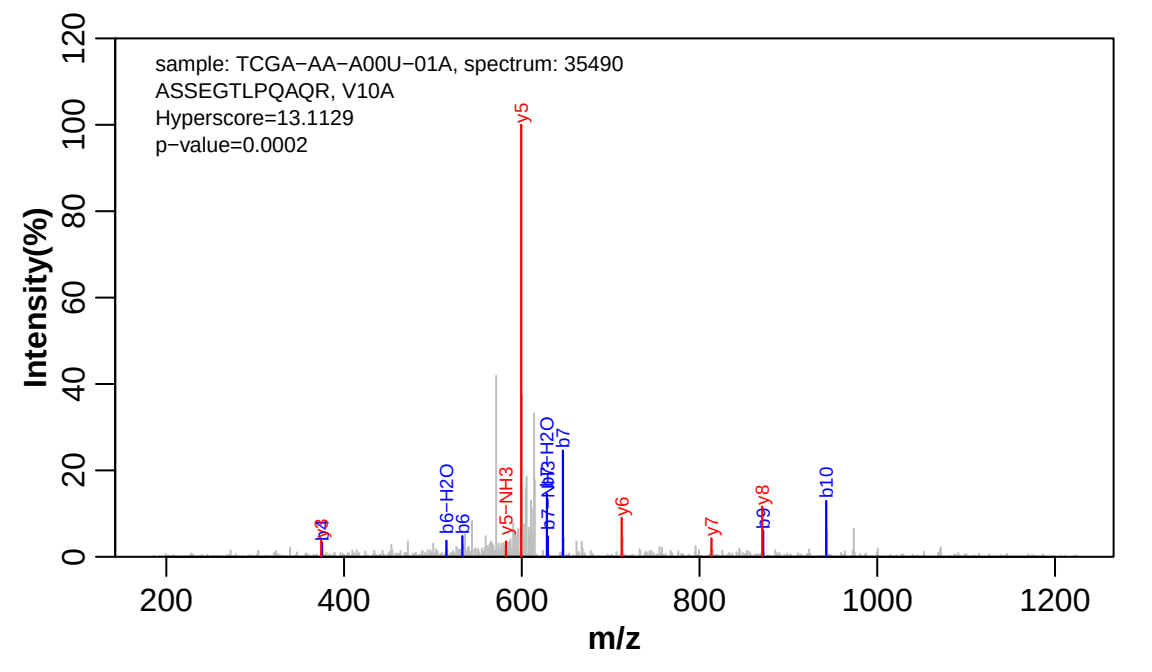

sample: TCGA−AA−A00O−01A, spectrum: 68598
YVSLLYTNYEAGK, I2V
Hyperscore=32.7791
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b4−H2O
b4
b5−H2O
b5
y5
y6
b6−H2O
b6
y7
b7−NH3
b7
y8
b8
y9−H2O
y9
b9−NH3
y10
y11
b10
b11
b12−H2O
b12

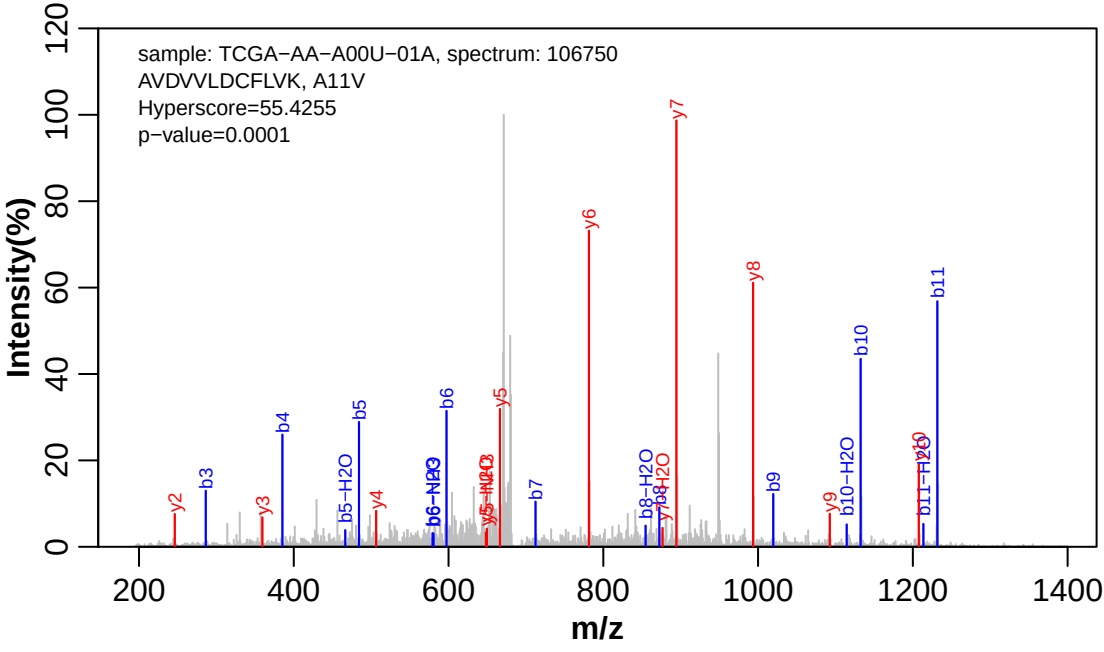

sample: TCGA−AA−A00O−01A, spectrum: 58528
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=55.1377
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b3
y3
b4
y4
b5−H2O
b5
y5−NH3
y5
b6−H2O
y6
y8
y8−H2O
b8−NH3
y9−H2O
y9
b9
y10−H2O
y10
b10−NH3
y11
b12−H2O
y12−NH3
y12
b13
y13
b14
y14−NH3
y14
b15
b16−NH3
b16
b17

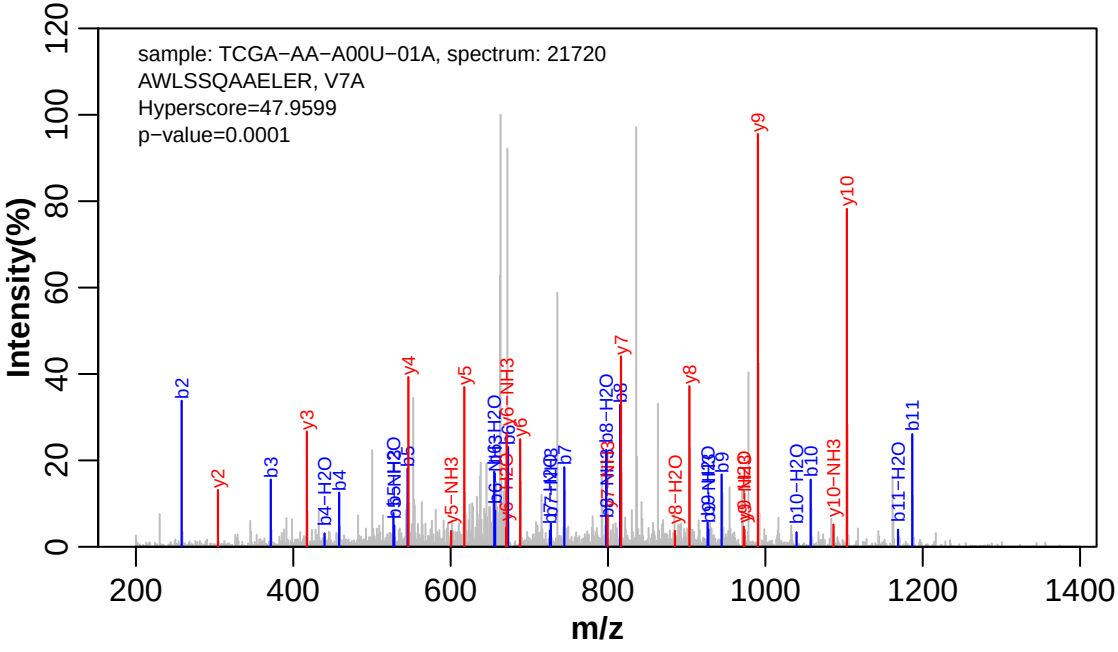

sample: TCGA−AA−A00U−01A, spectrum: 64252
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=92.0058
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5
y4
b6
y5
b7
y6
b8
b9
b28++
b25++
b23++−H2O
b13−H2O
b27++−H2O
b28++−H2O
b21++
b19++−H2O
b17++
b18−H2O
y8−H2O
y9−H2O
b26++
y12−H2O

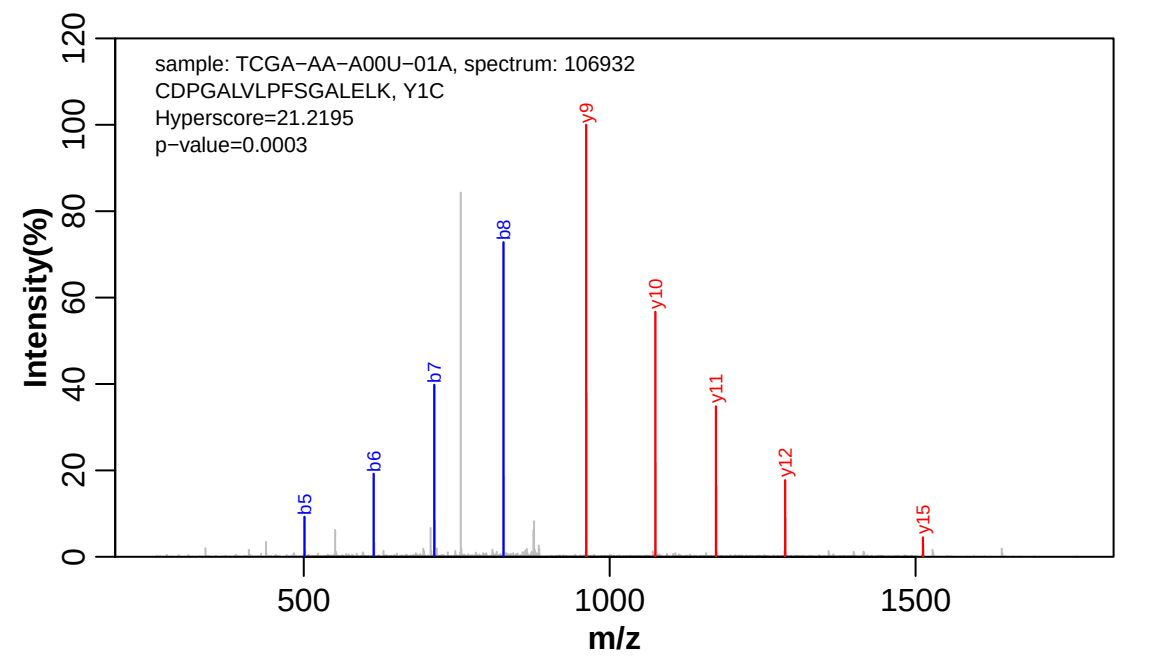

sample: TCGA−AA−A00U−01A, spectrum: 40816
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=31.1523
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5−H2O
b5
y4−NH3
b6
y5
y12++
y13++−H2O
y14+b8
y15++−NH3
y17++
y10

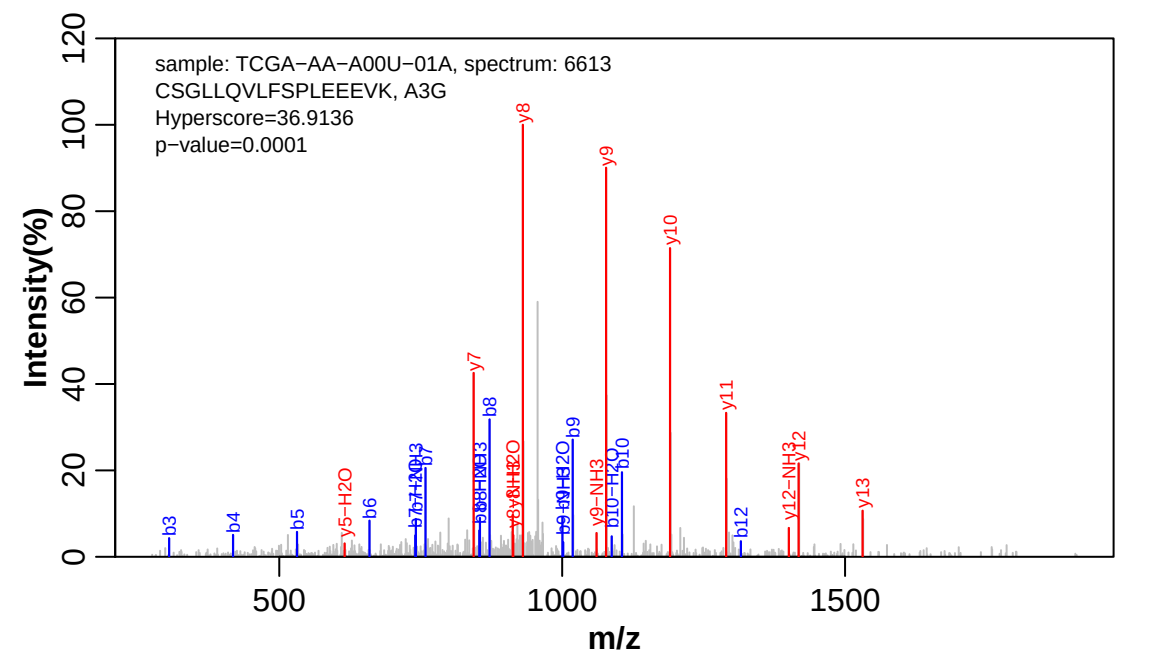

sample: TCGA−AA−A00U−01A, spectrum: 8537
AGVETTTPSK, K7T
Hyperscore=19.4132
p−value=0.0002
Intensity(%)
m/z
y3
b4
b5
b6
y6
y7
y8−NH3
y9−H2O

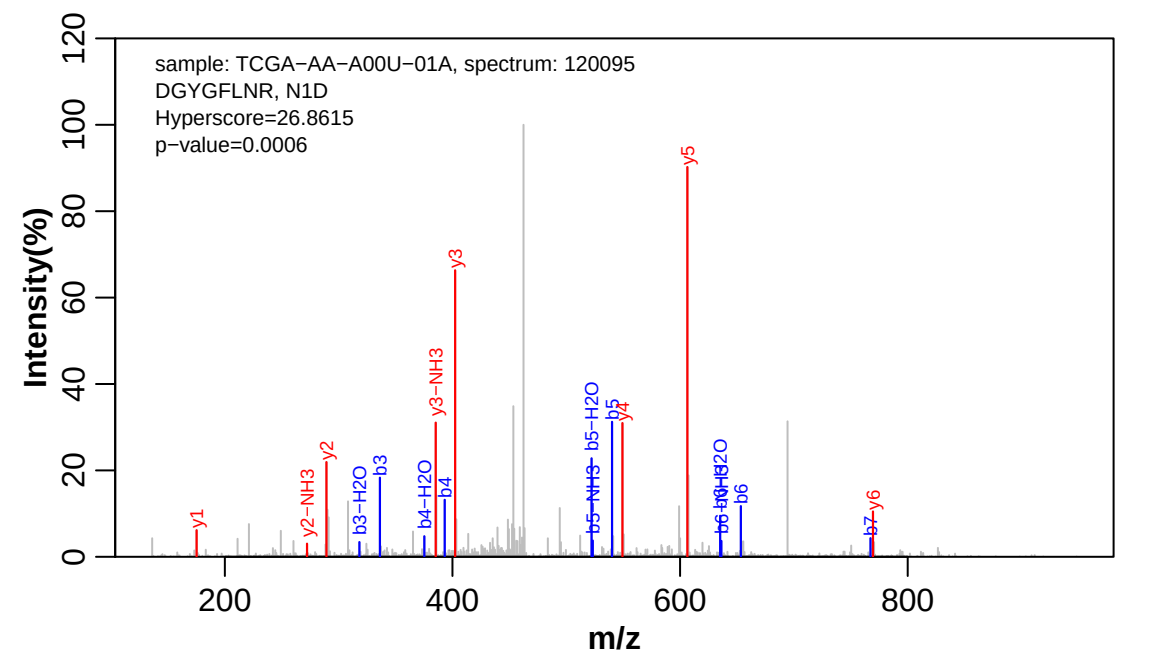

sample: TCGA−AA−A00U−01A, spectrum: 35490
ASSEGTLPQAQR, V10A
Hyperscore=13.1129
p−value=0.0002
Intensity(%)
m/z
y5
b6−H2O
b6
y5−NH3
b7−H2O
b7
y6
y7
y8
b10

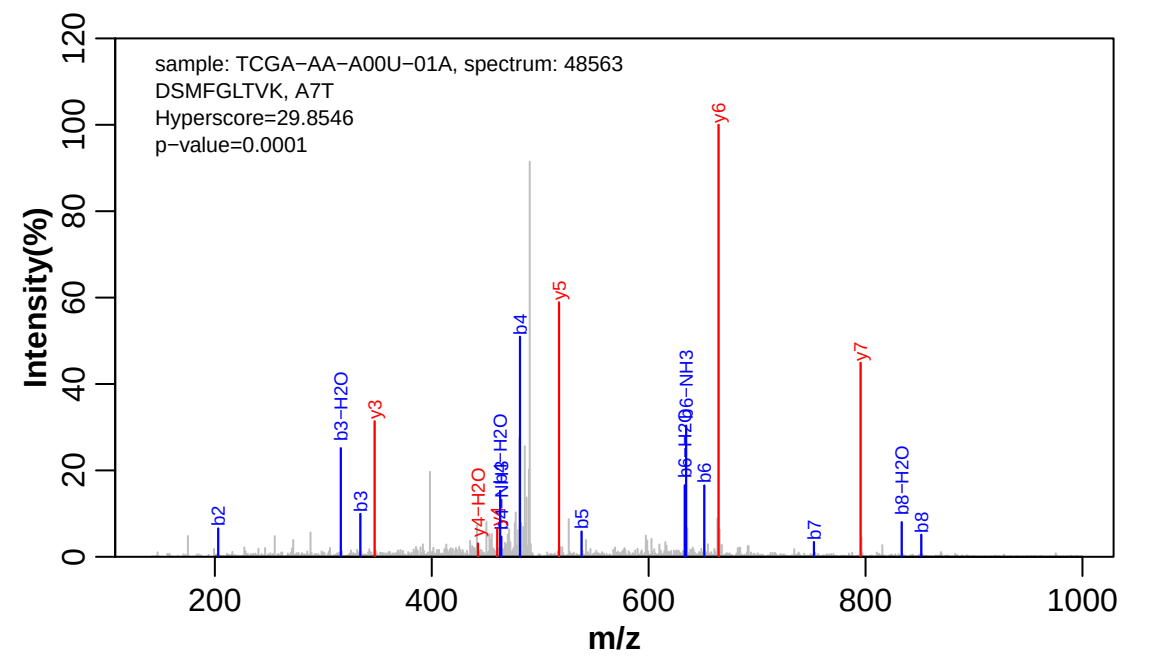

sample: TCGA−AA−A00U−01A, spectrum: 106750
AVDVVLDCFLVK, A11V
Hyperscore=55.4255
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
b5−H2O
b5
y4
b6−NH3
b6
y5−NH3
y5
b7
b8−H2O
y7−H2O
y6
y7
y8
b9
y9
b10−H2O
b10
b11−H2O
b11

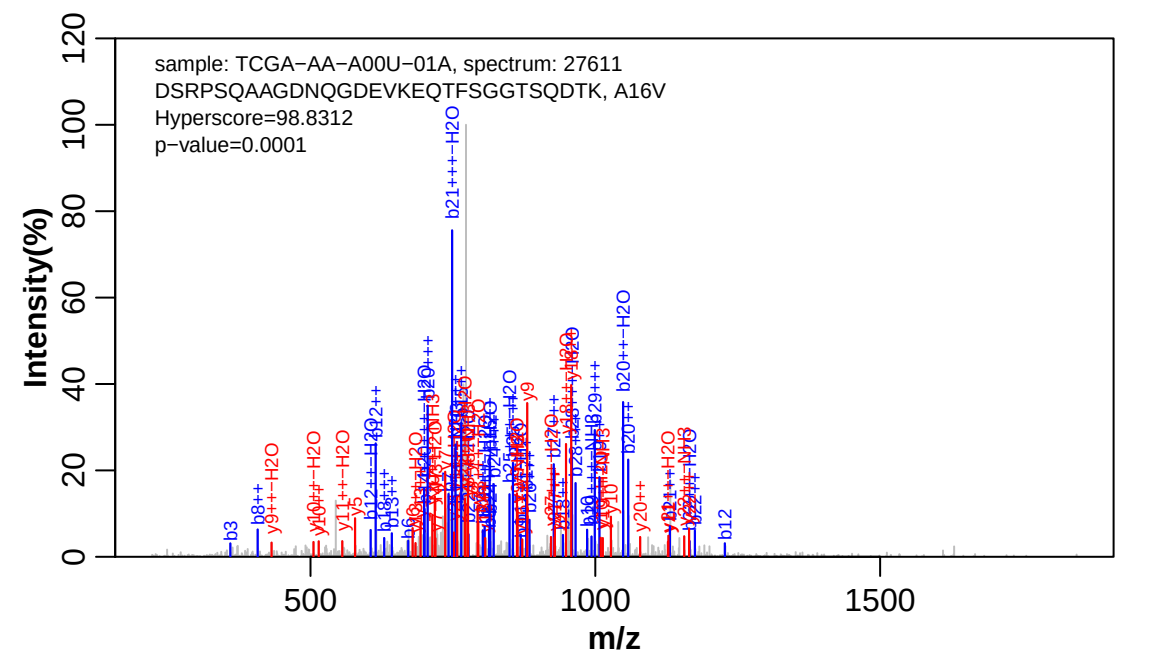

sample: TCGA−AA−A00U−01A, spectrum: 21720
AWLSSQAAELER, V7A
Hyperscore=47.9599
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4−H2O
b4
y4
y5
y5−NH3
b6−NH3
b6−H2O
b6
y6
b7
y7
b8−H2O
b8
y8
y8−H2O
b9
b10−H2O
b10
y9
y10
y10−NH3
b11
b11−H2O

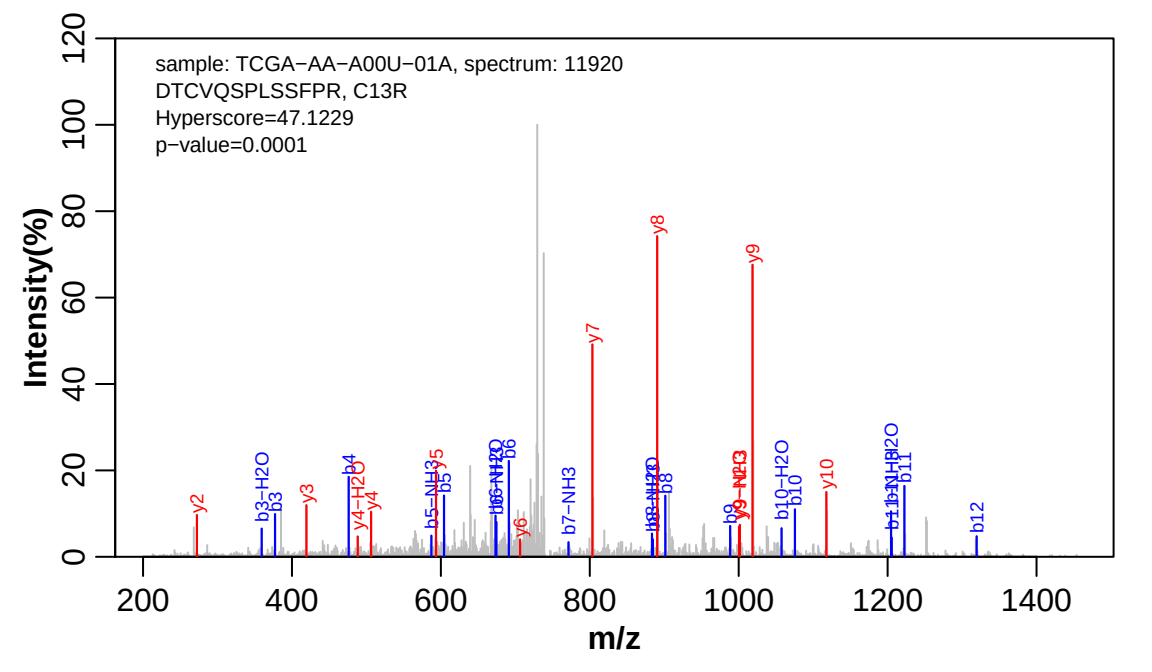

sample: TCGA−AA−A00U−01A, spectrum: 106932
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.2195
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6
b7
b8
y9
y10
y11
y12
y15

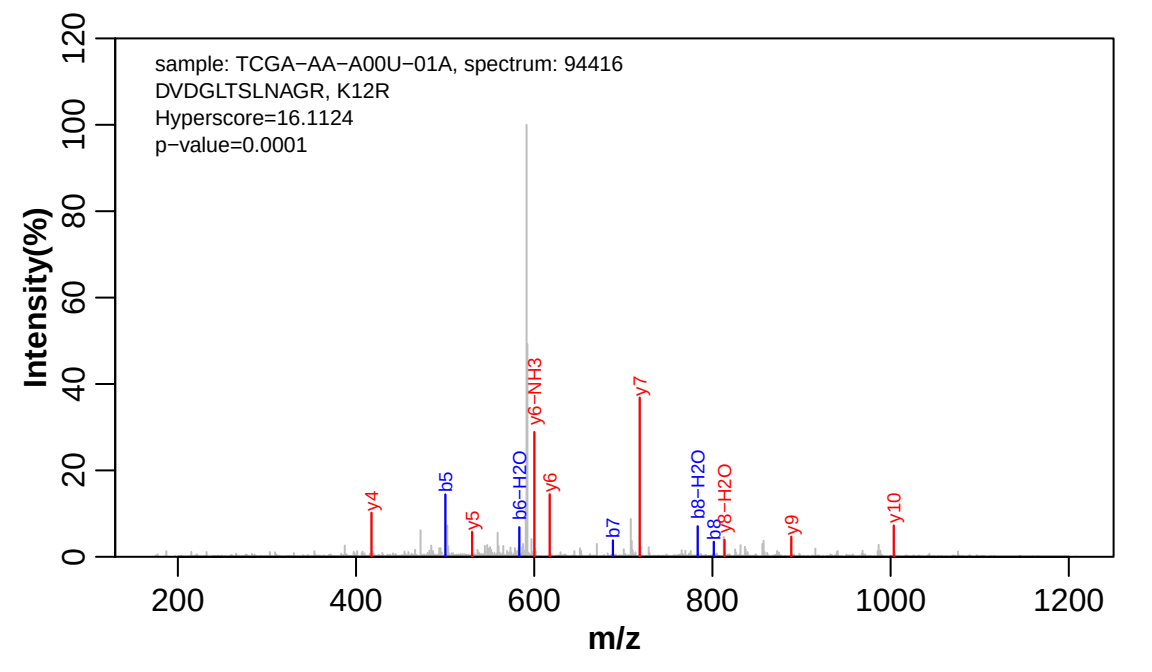

sample: TCGA−AA−A00U−01A, spectrum: 6613
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=36.9136
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b4
b5
y5−H2O
b6
b7
y7
b8
y8
b9
y9
y9−NH3
b10
y10
y11
b12
y12
y12−NH3
y13

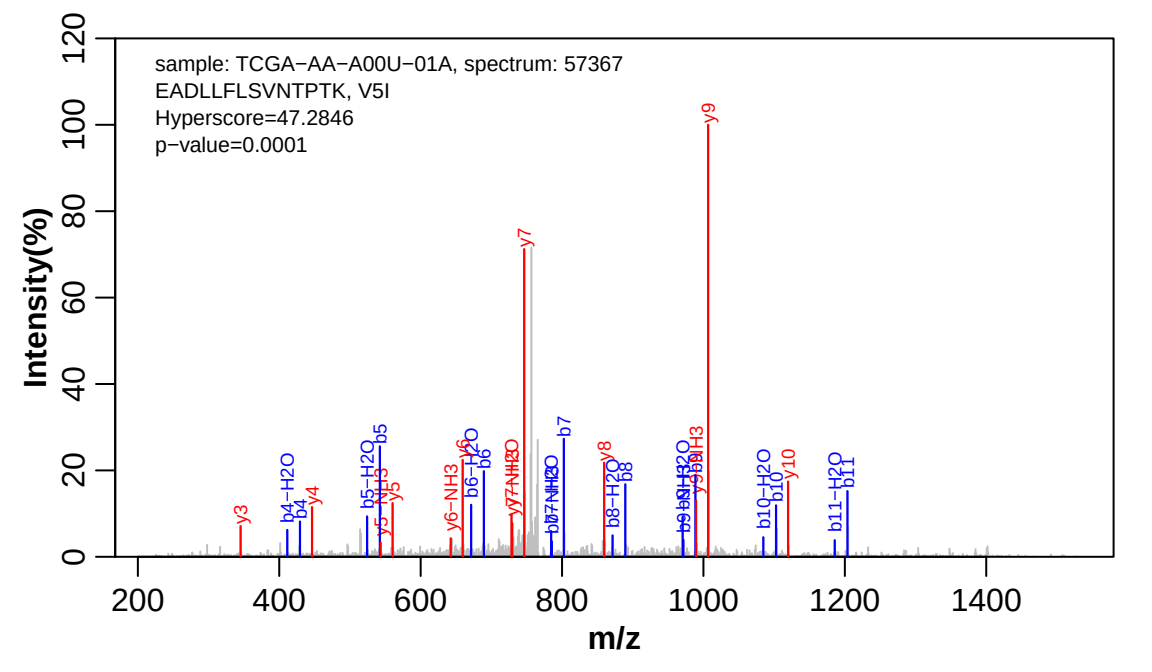

sample: TCGA−AA−A00U−01A, spectrum: 120095
DGYGFLNR, N1D
Hyperscore=26.8615
p−value=0.0006
Intensity(%)
m/z
y1
y2
y2−NH3
b3−H2O
b3
b4−H2O
b4
y3
y3−NH3
b5−NH3
b5−H2O
b5
y4
y5
b6−NH3
b6−H2O
b6
b7
y6

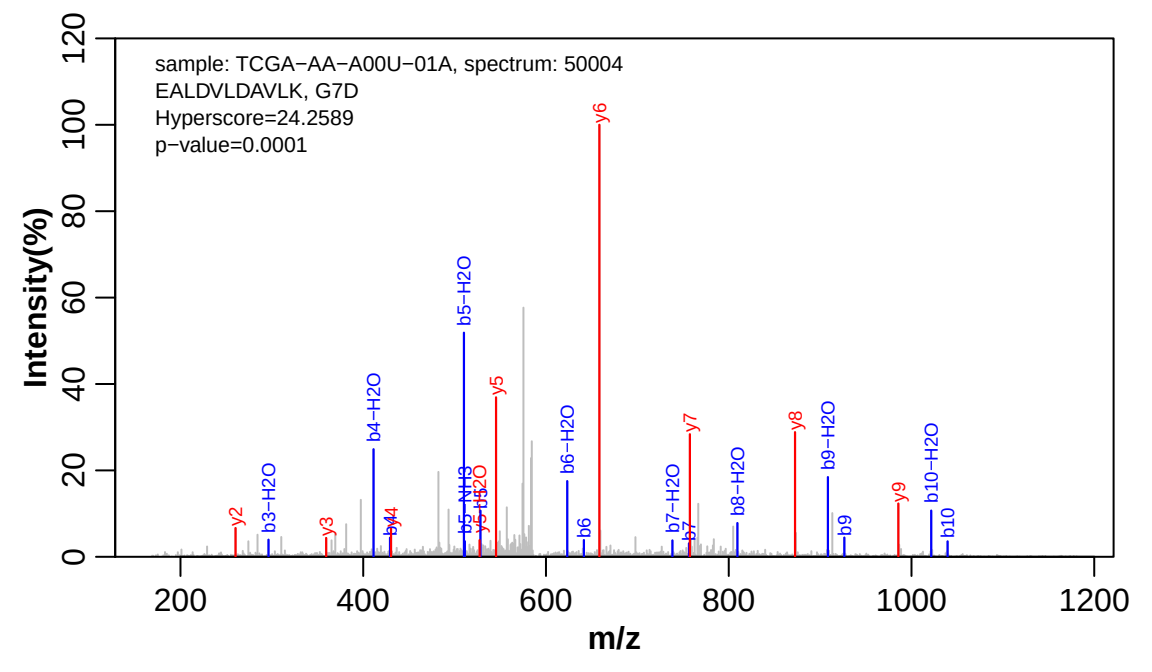

sample: TCGA−AA−A00U−01A, spectrum: 48563
DSMFGLTVK, A7T
Hyperscore=29.8546
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y3
y4−H2O
b4−H2O
b4
y5
b5
b6−H2O
b6−NH3
b6
y6
b7
y7
b8−H2O
b8

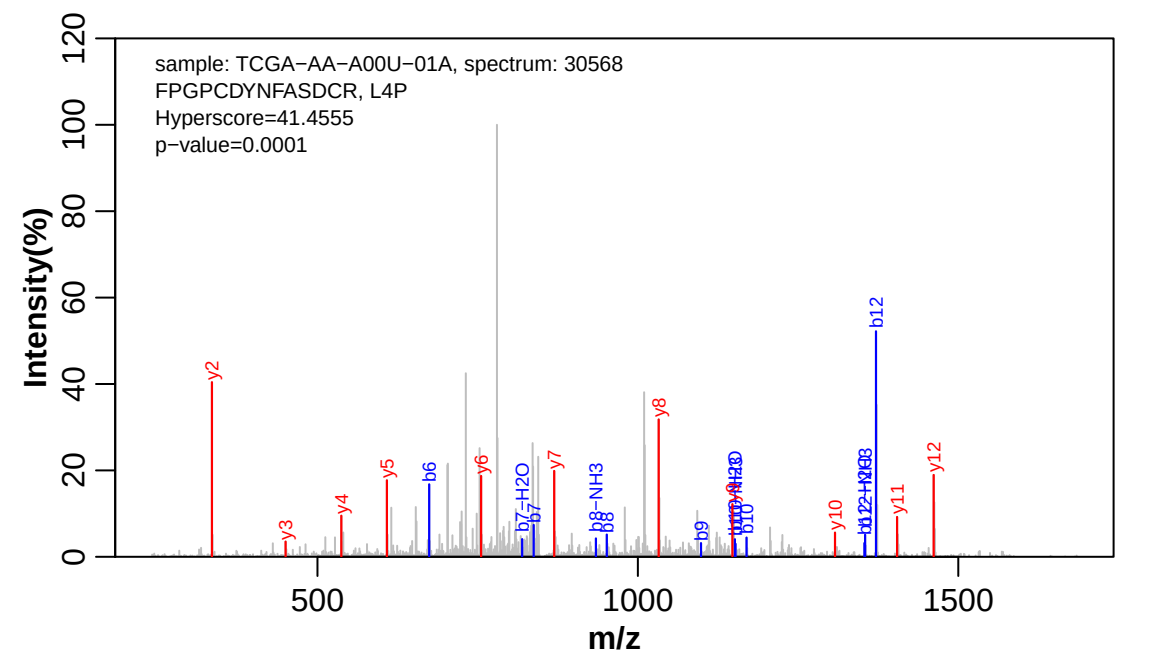

sample: TCGA−AA−A00U−01A, spectrum: 27611
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=98.8312
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b21+++−H2O
b20++−H2O
b20++
y20++
b12
b3
b8++
y9++−H2O
y10++−H2O
y11++−H2O
y5
b12++−H2O
b12++
b13++
y9

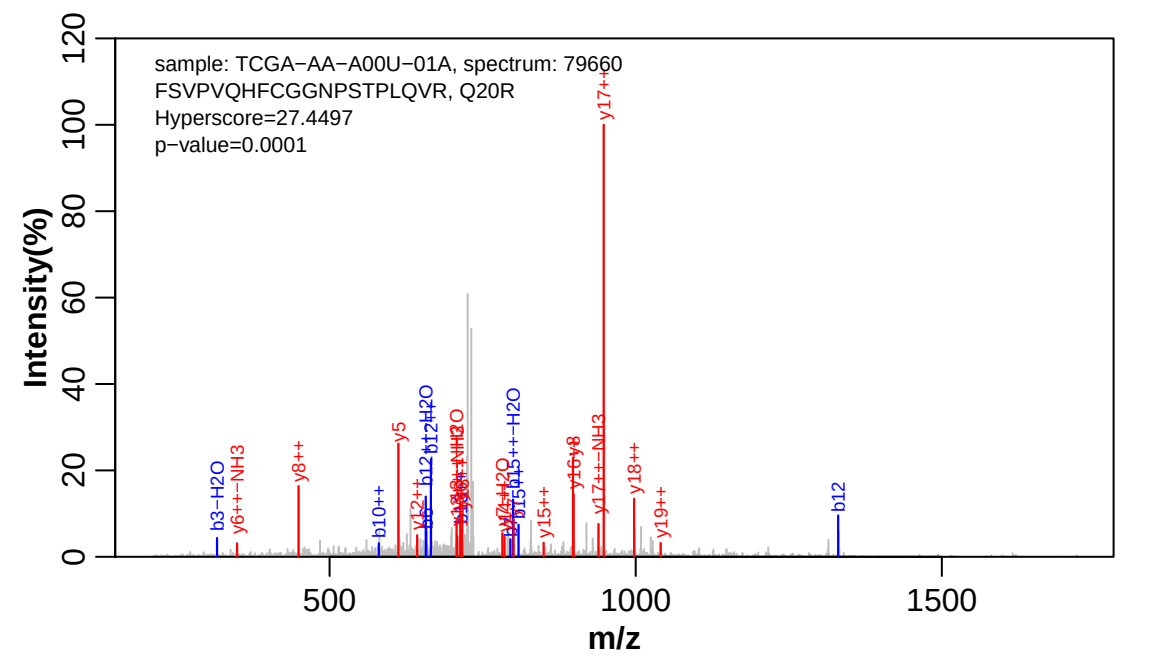

sample: TCGA−AA−A00U−01A, spectrum: 11920
DTCVQSPLSSFPR, C13R
Hyperscore=47.1229
p−value=0.0001
Intensity(%)
m/z
y2
b3−H2O
b3
y3
b4
y4−H2O
y4
b5−NH3
b5
y5
b6−NH3
b6
y6
b7−NH3
y7
b8−NH3
b8
y8
b9
y9−NH3
y9
b10−H2O
b10
y10
b11−NH3
b11−H2O
b11
b12

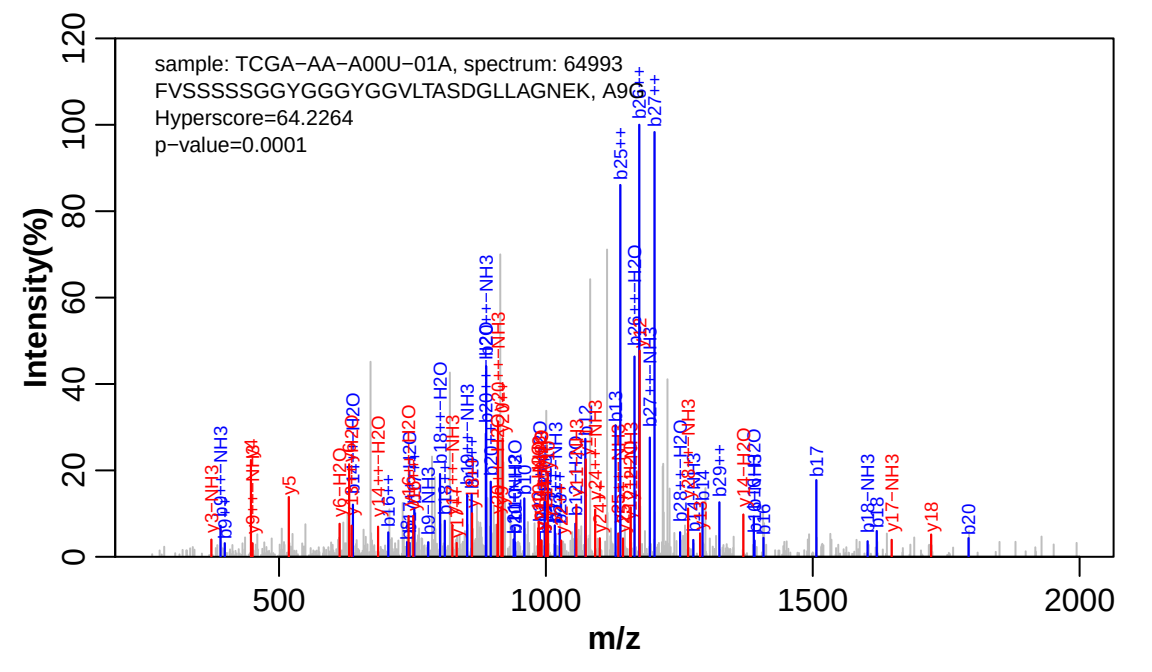

sample: TCGA−AA−A00U−01A, spectrum: 94416
DVDGLTSLNAGR, K12R
Hyperscore=16.1124
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
y4
b5
y5
b6−H2O
y6−NH3
y6
b7
y7
b8−H2O
b8
y8−H2O
y9
y10

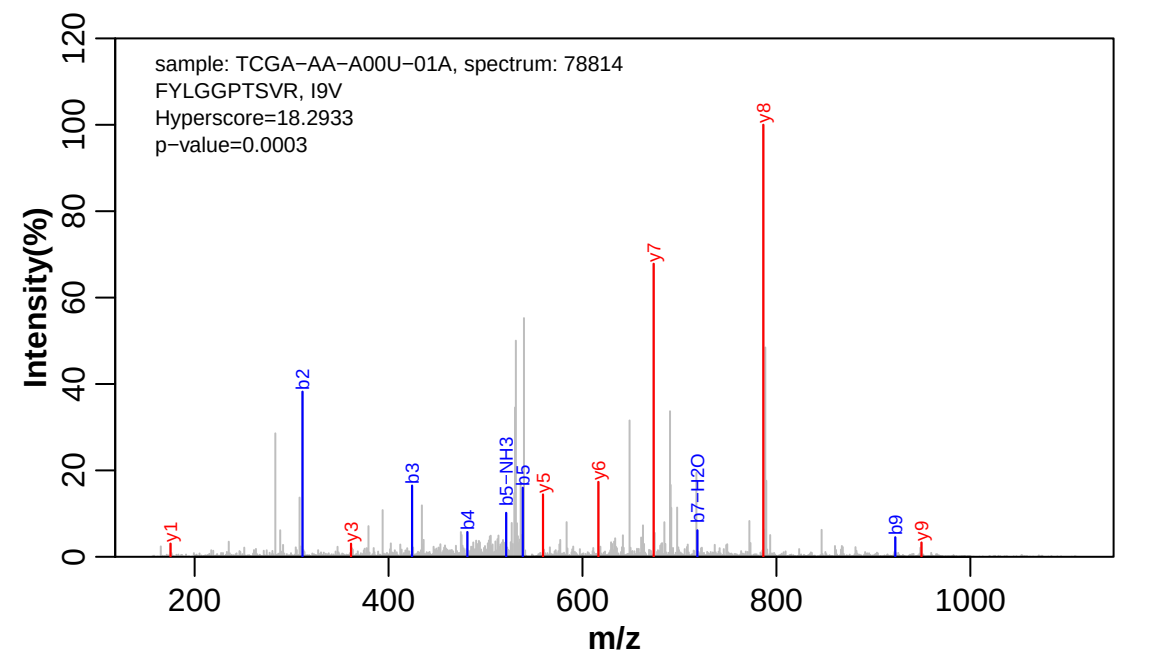

sample: TCGA−AA−A00U−01A, spectrum: 57367
EADLLFLSVNTPTK, V5I
Hyperscore=47.2846
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b4−H2O
b4
y4
b5−H2O
b5
y5−NH3
y5
y6−NH3
b6−H2O
b6
y7−NH3
y7
b7
y8
b8−H2O
b8
y9
b10−H2O
b10
y10
b11−H2O
b11

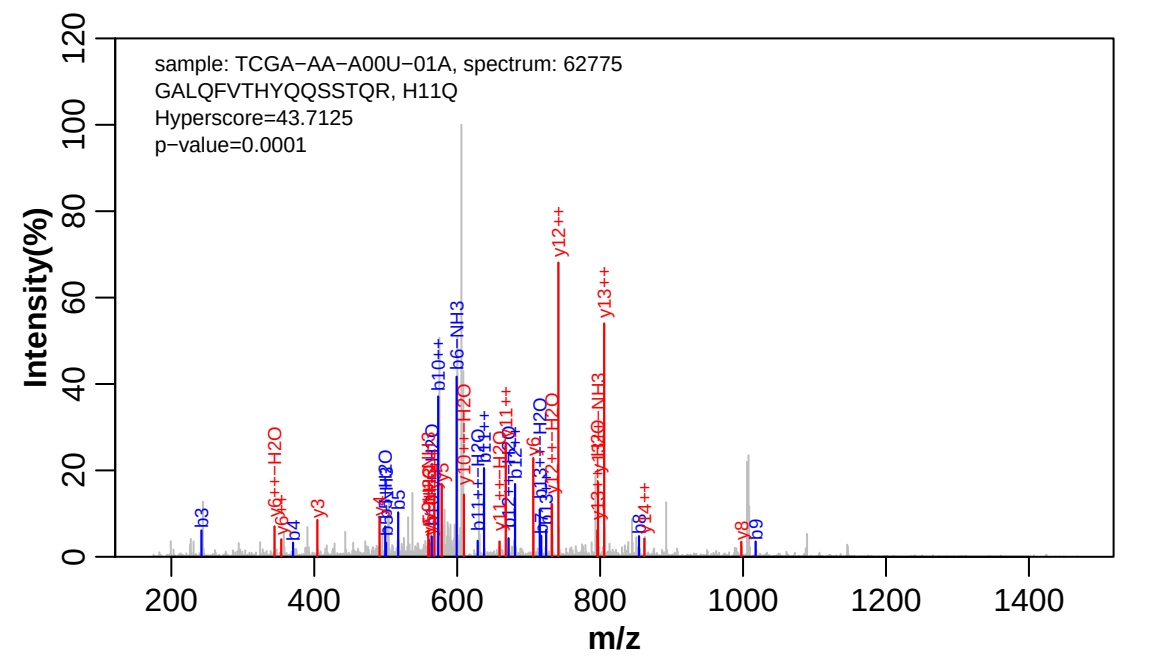

sample: TCGA−AA−A00U−01A, spectrum: 50004
EALDVLDAVLK, G7D
Hyperscore=24.2589
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
b4
b5−NH3
b5
y5−H2O
b5−H2O
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

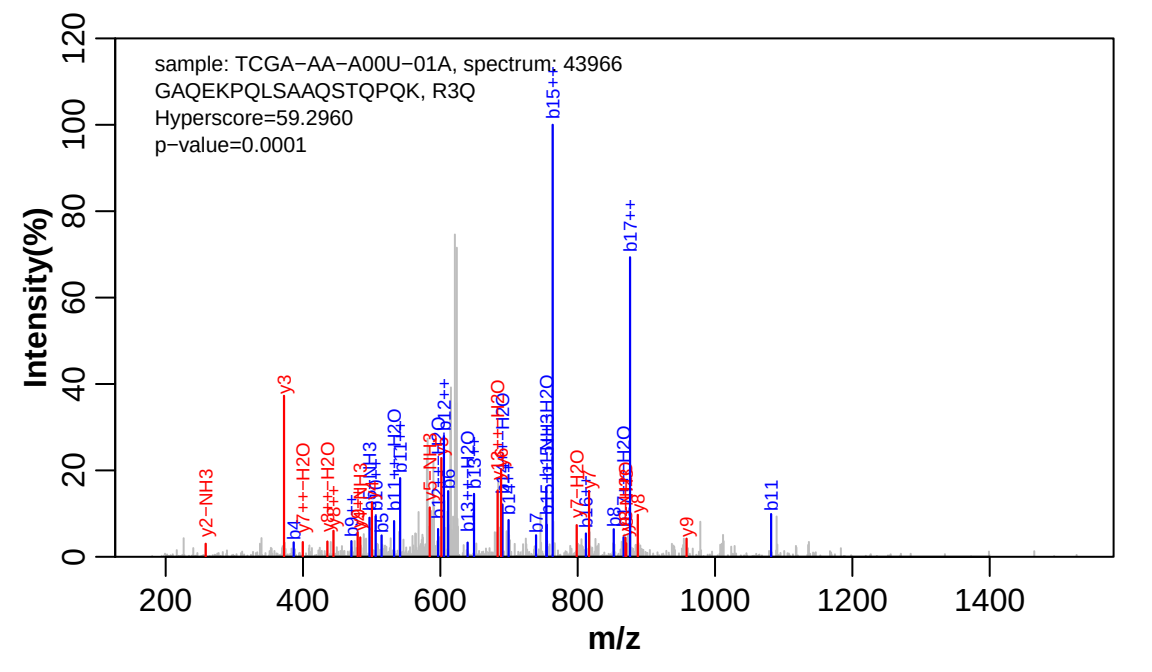

sample: TCGA−AA−A00U−01A, spectrum: 30568
FPGPCDYNFASDCR, L4P
Hyperscore=41.4555
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y3
y4
y5
b6
y6
b7−H2O
b7
y7
b8−NH3
b8
y8
b9
b10
y10
b12
y11
y12

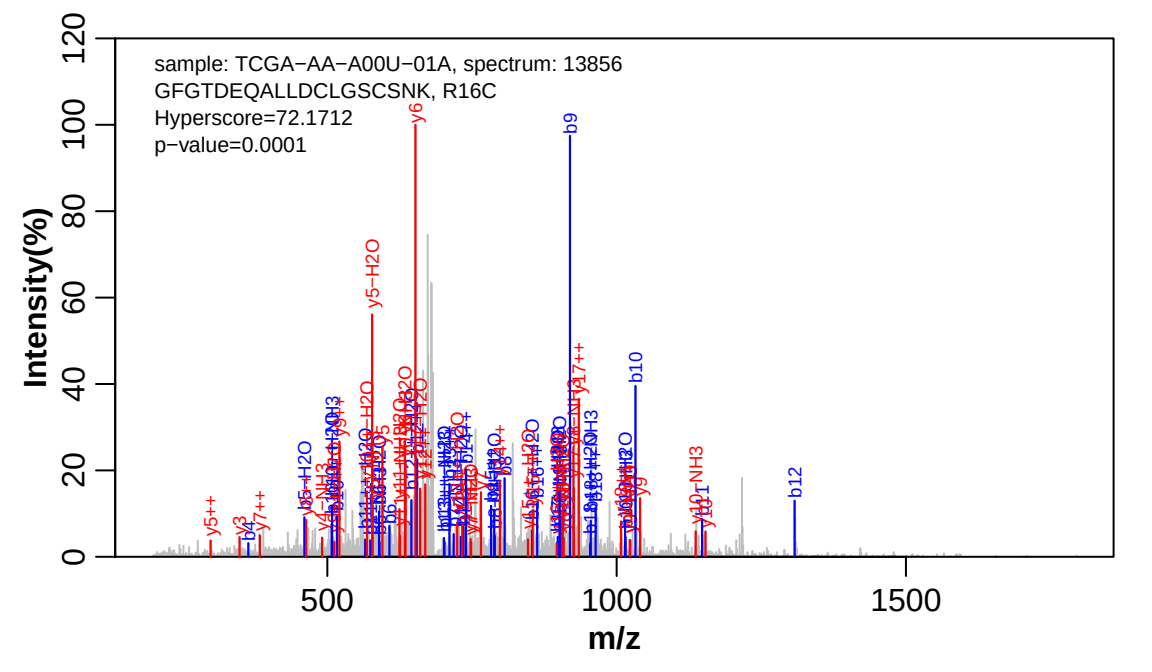

sample: TCGA−AA−A00U−01A, spectrum: 79660
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=27.4497
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
y6++−NH3
y8++
b10++
y5
y12++
b6
b12
b12++H2O
b12++NH3
y15++−H2O
y15++
y16++
y17++−NH3
y17++
y18++
y19++
b12

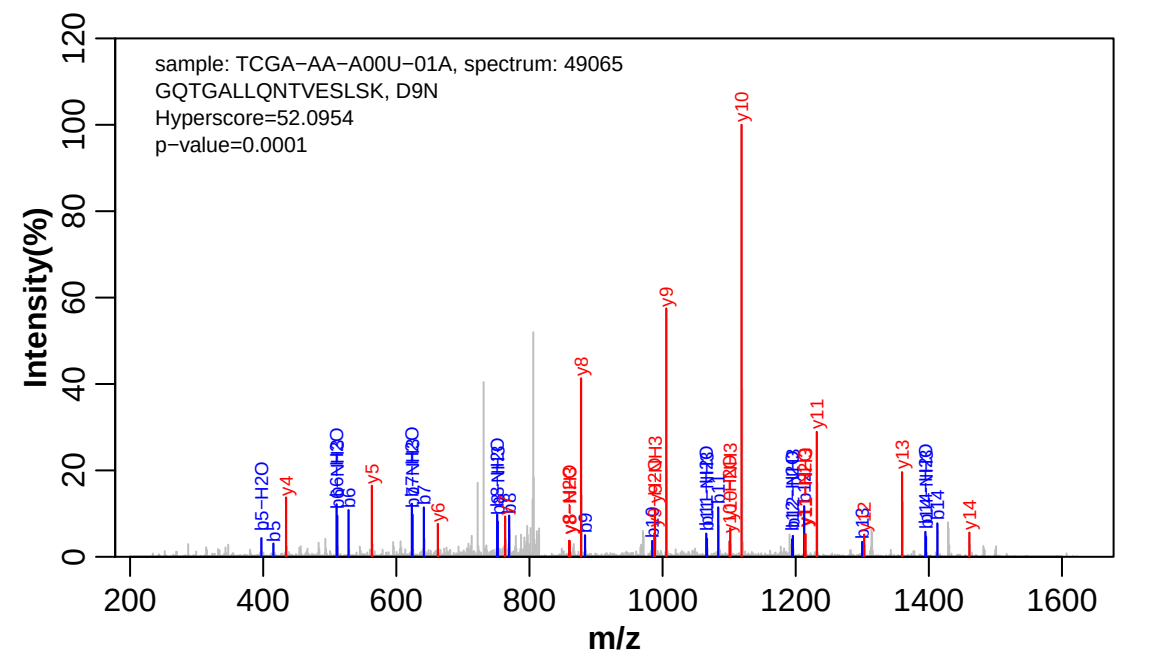

sample: TCGA−AA−A00U−01A, spectrum: 64993
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=64.2264
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

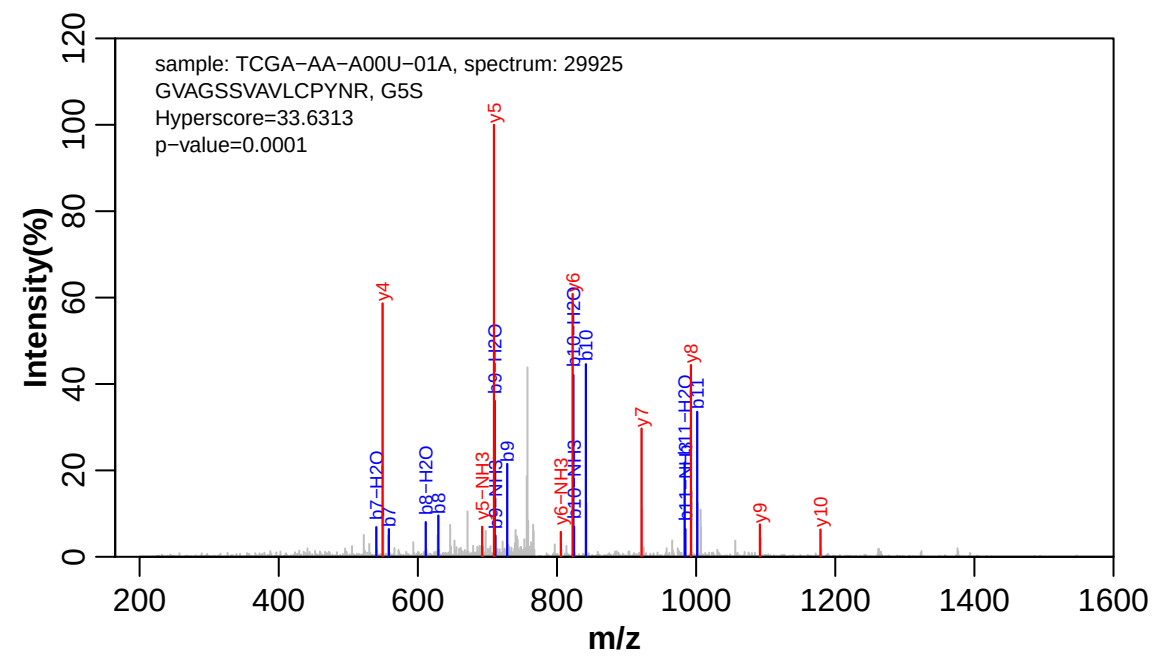

sample: TCGA−AA−A00U−01A, spectrum: 78814
FYLGGPTSVR, I9V
Hyperscore=18.2933
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
y1
b2
y3
b3
b4
b5−NH3
b5
y5
y6
y7
b7−H2O
y8
b9
y9

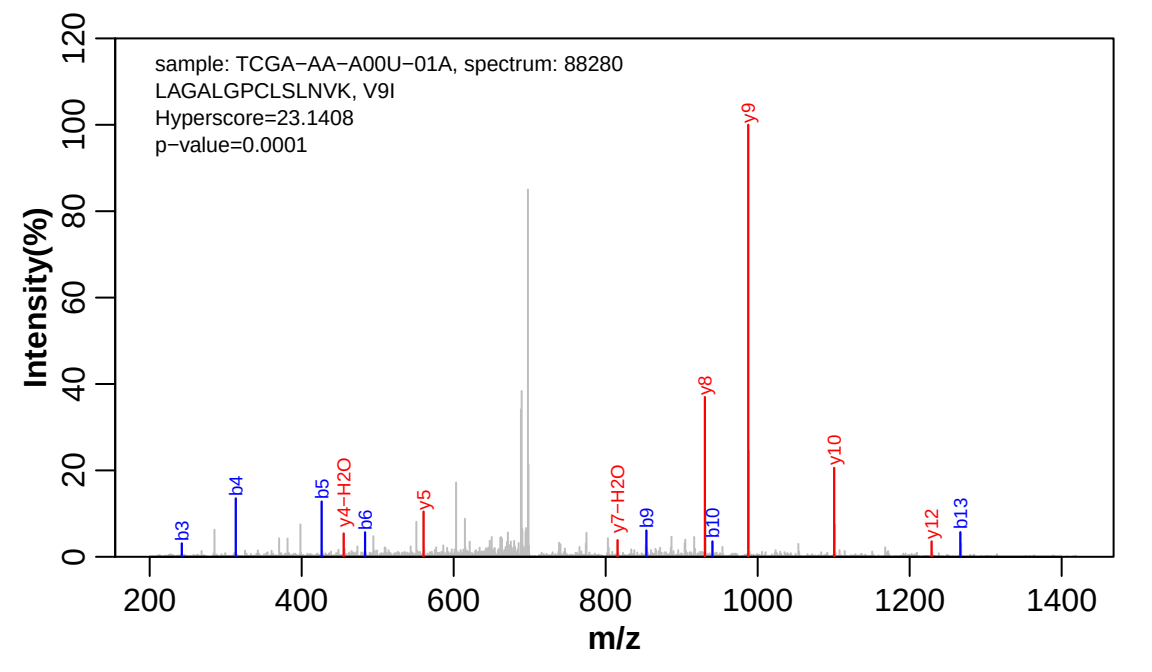

sample: TCGA−AA−A00U−01A, spectrum: 62775
GALQFVTHYQQSSTQR, H11Q
Hyperscore=43.7125
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y6++−H2O
b4
y3
b5
b10++
b6−NH3
y5
y10++−H2O
y12++
y13++
y11++−H2O
b11++
b12++
y12++−H2O
y13++−NH3
b8
y14++
y8
b9

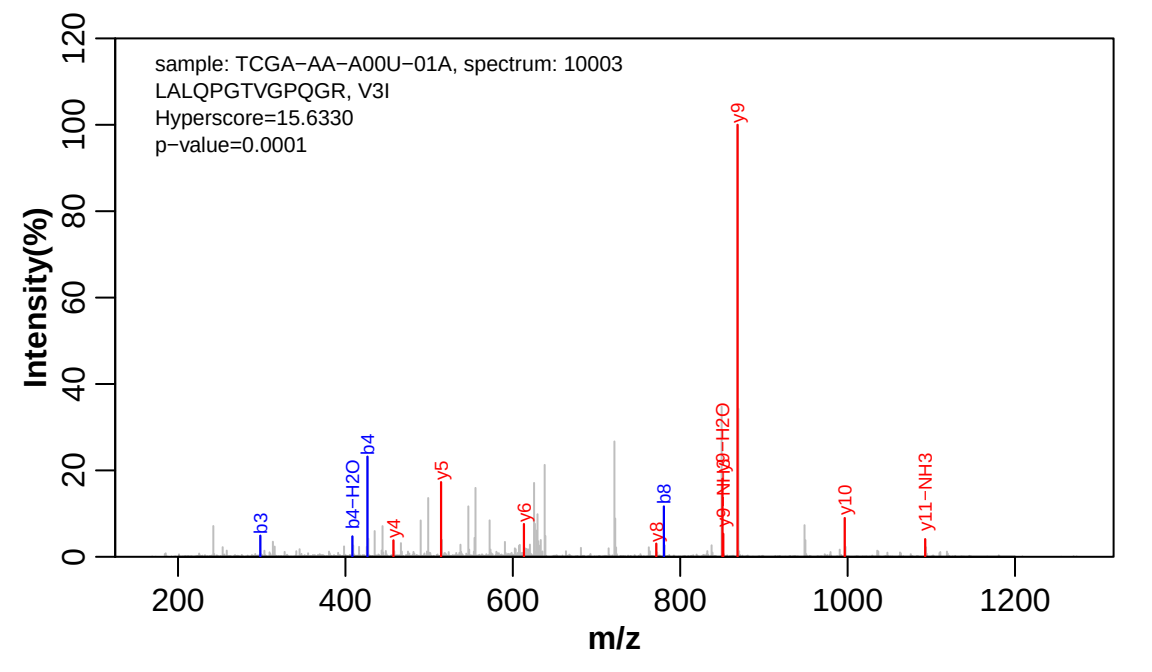

sample: TCGA−AA−A00U−01A, spectrum: 43966
GAQEKPQLSAAQSTQPQK, R3Q
Hyperscore=59.2960
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b15++
b17++
y3
y2−NH3
b11
y9

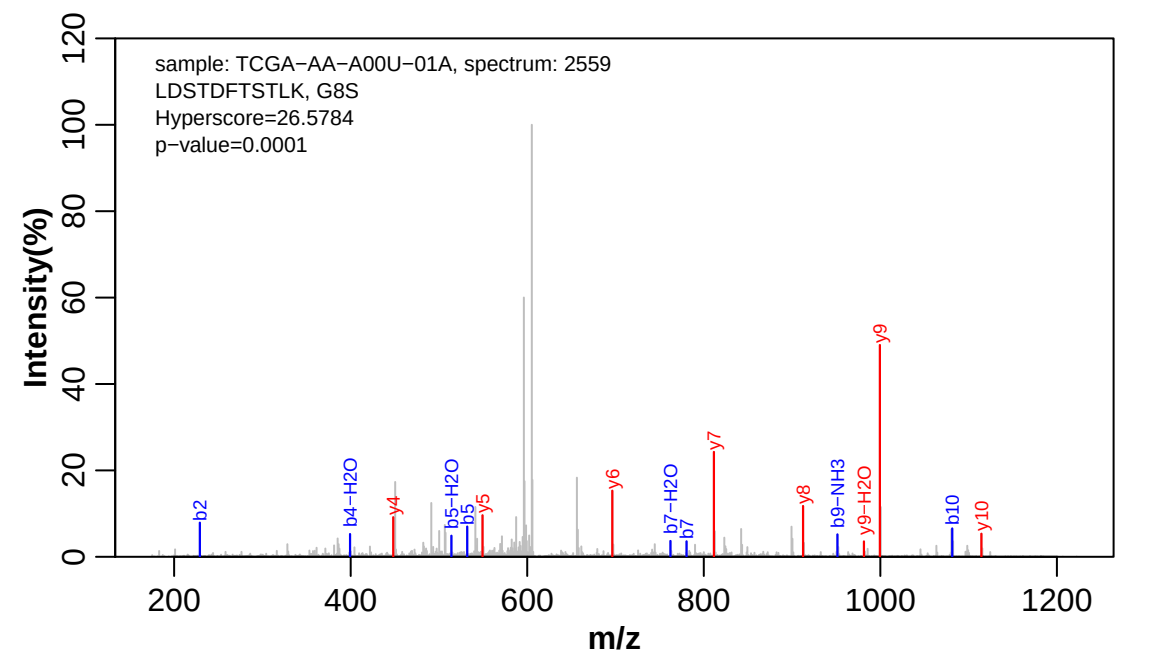

sample: TCGA−AA−A00U−01A, spectrum: 13856
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=72.1712
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
b9
y5−H2O
b10
b12
y5++
y7++
b4
b5−H2O
y10−NH3

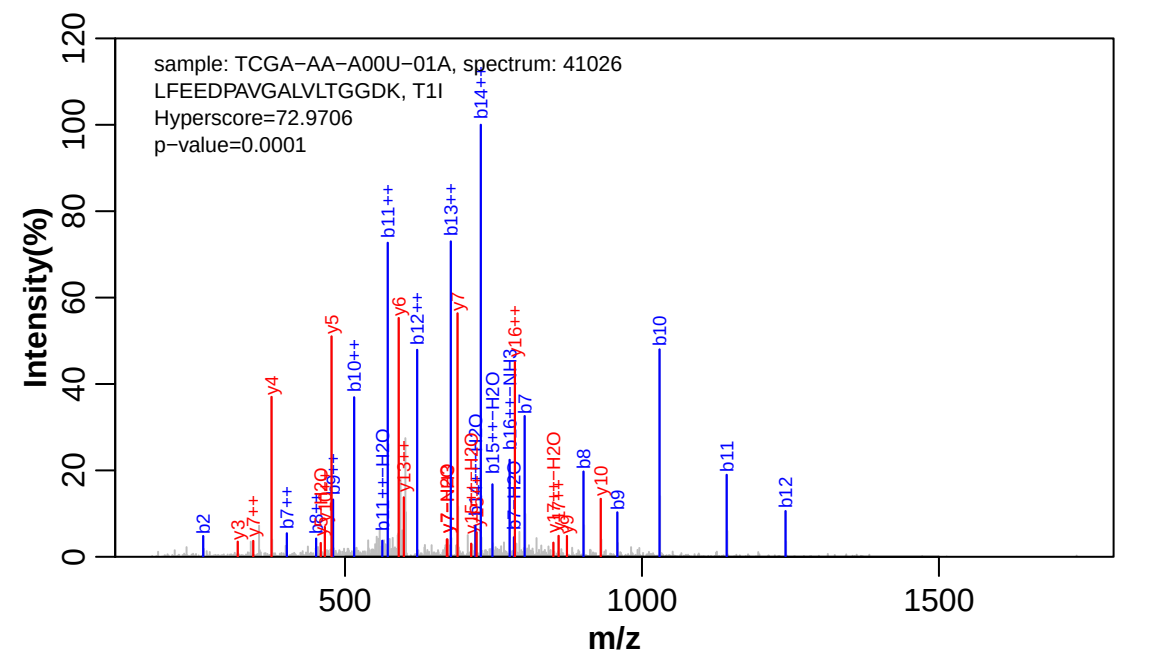

sample: TCGA−AA−A00U−01A, spectrum: 49065
GQTGALLQNTVESLSK, D9N
Hyperscore=52.0954
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
y5
y6
y4
b5−H2O
b5
b9
b10
b11
b12
b13
b14

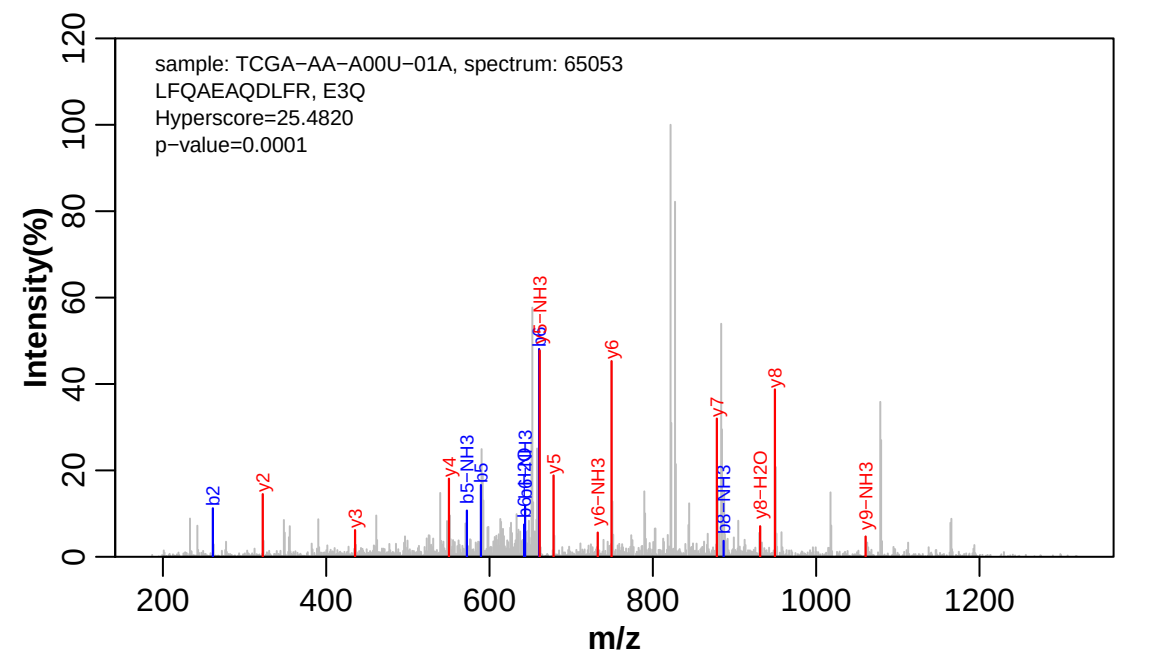

sample: TCGA−AA−A00U−01A, spectrum: 29925
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.6313
p−value=0.0001
Intensity(%)
m/z
y5
y4
b7−H2O
b7
b8−H2O
b8
b9−H2O
y5−NH3
b9−NH3
b9
y6−NH3
b10−NH3
b10−H2O
y6
b10
y7
b11−NH3
b11−H2O
b11
y8
y9
y10

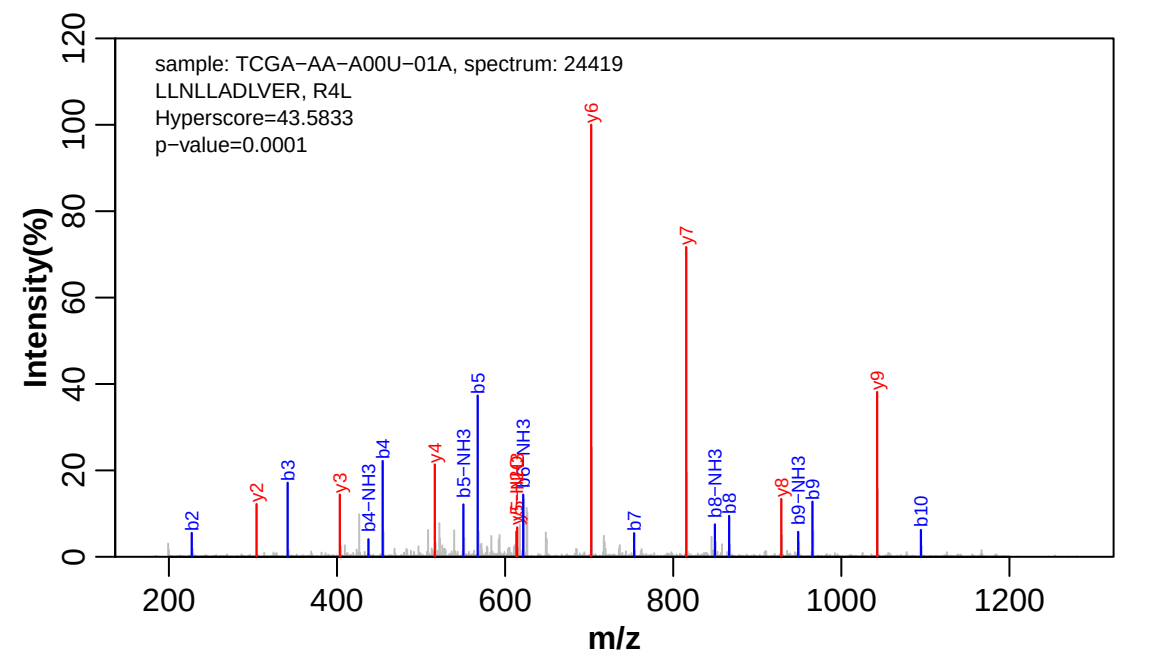

sample: TCGA−AA−A00U−01A, spectrum: 88280
LAGALGPCLSLNVK, V9I
Hyperscore=23.1408
p−value=0.0001
Intensity(%)
m/z
b3
b4
b5
y4−H2O
b6
y5
y7−H2O
b9
y8
b10
y9
y10
y12
b13

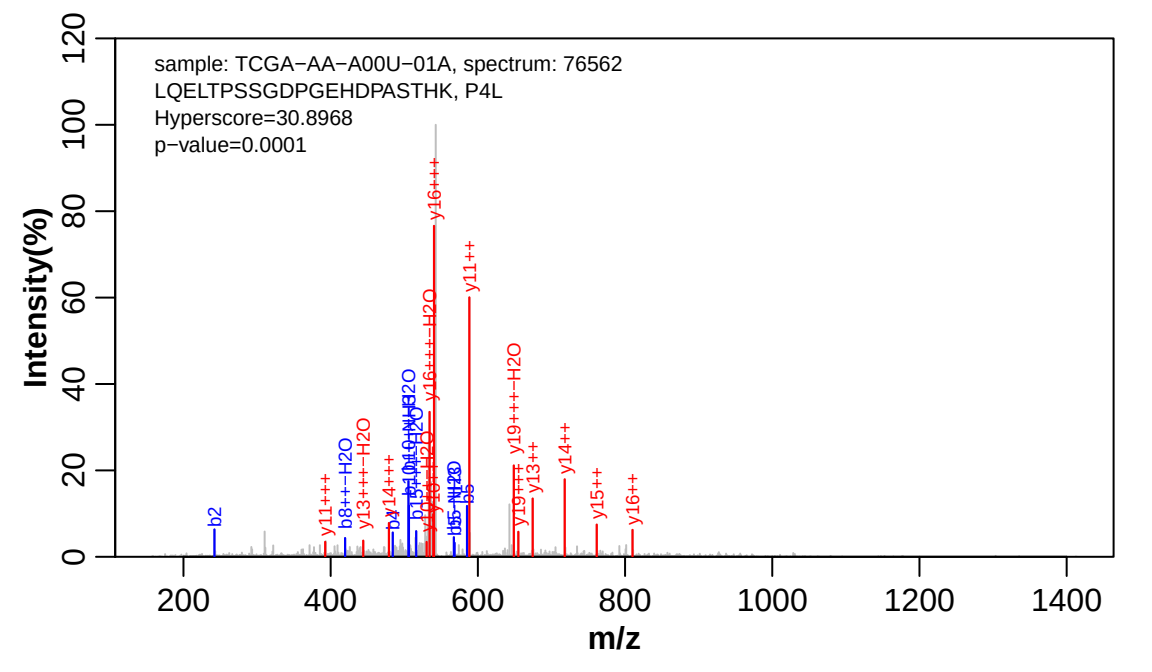

sample: TCGA−AA−A00U−01A, spectrum: 10003
LALQPGTVGPQGR, V3I
Hyperscore=15.6330
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
b4−H2O
b4
y4
y5
y6
b8
y8
y9−NH3
y9−H2O
y9
y10
y11−NH3

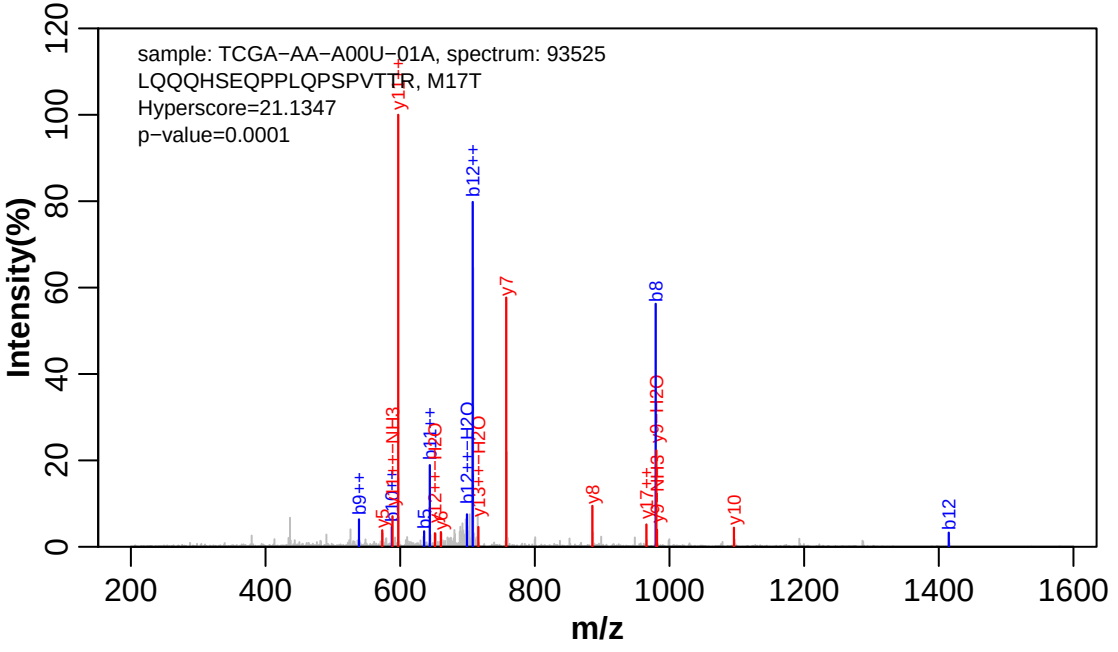

sample: TCGA−AA−A00U−01A, spectrum: 2559
LDSTDFTSTLK, G8S
Hyperscore=26.5784
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7
y8
b9−NH3
y9−H2O
y9
b10
y10

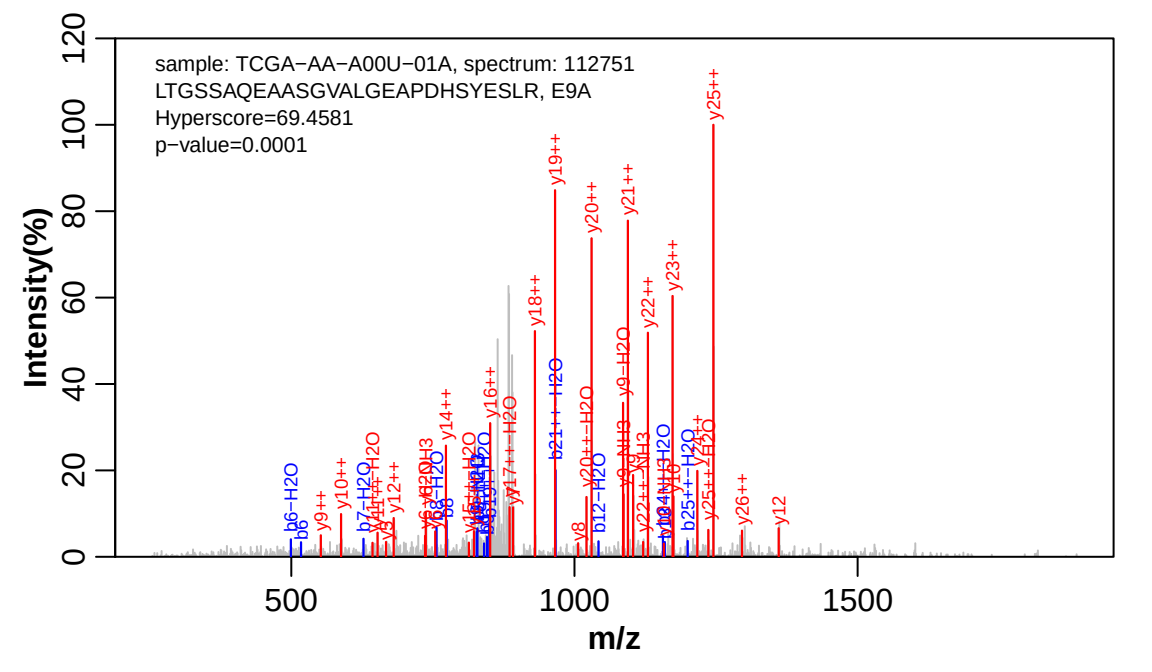

sample: TCGA−AA−A00U−01A, spectrum: 41026
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=72.9706
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y7++
y4
b7++
y5
b10++
b11++−H2O
b11++
y6
b12++
b13++
b14++
y7
b15++−H2O
b16++−NH3
y16++
b7
b10
b8
y10
b9
b11
b12

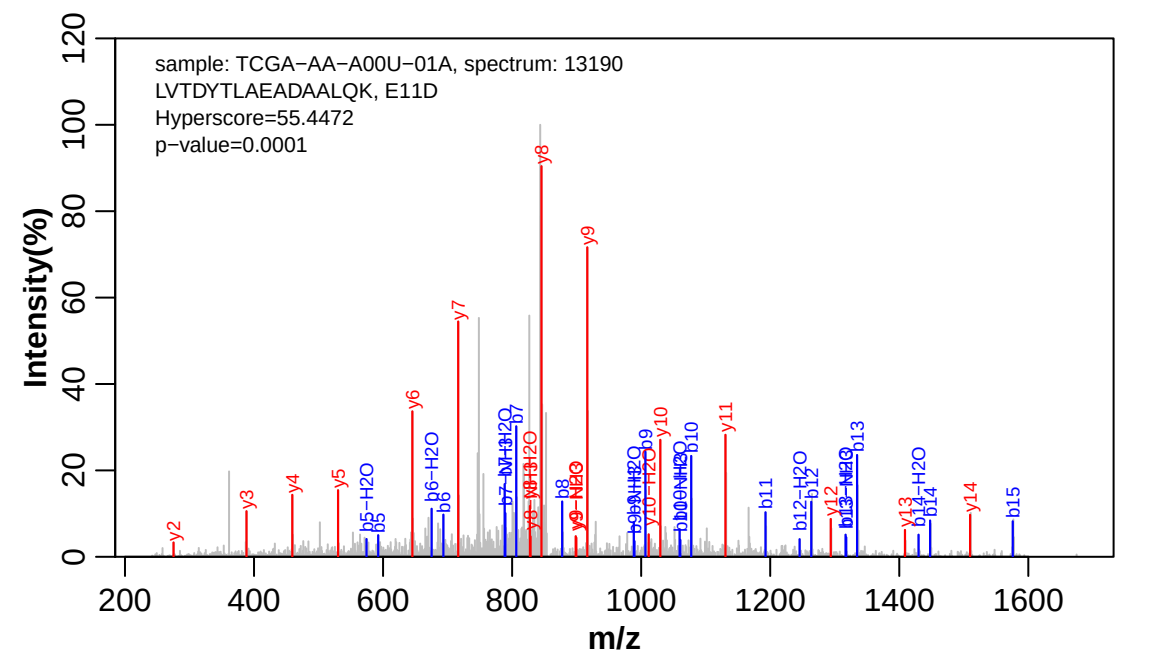

sample: TCGA−AA−A00U−01A, spectrum: 65053
LFQAEAQDLFR, E3Q
Hyperscore=25.4820
p−value=0.0001
Intensity(%)
m/z
b2
y2
y3
y4
b5−NH3
b5
y5−NH3
y5
y6
y6−NH3
y7
b8−NH3
y8
y8−H2O
y9−NH3

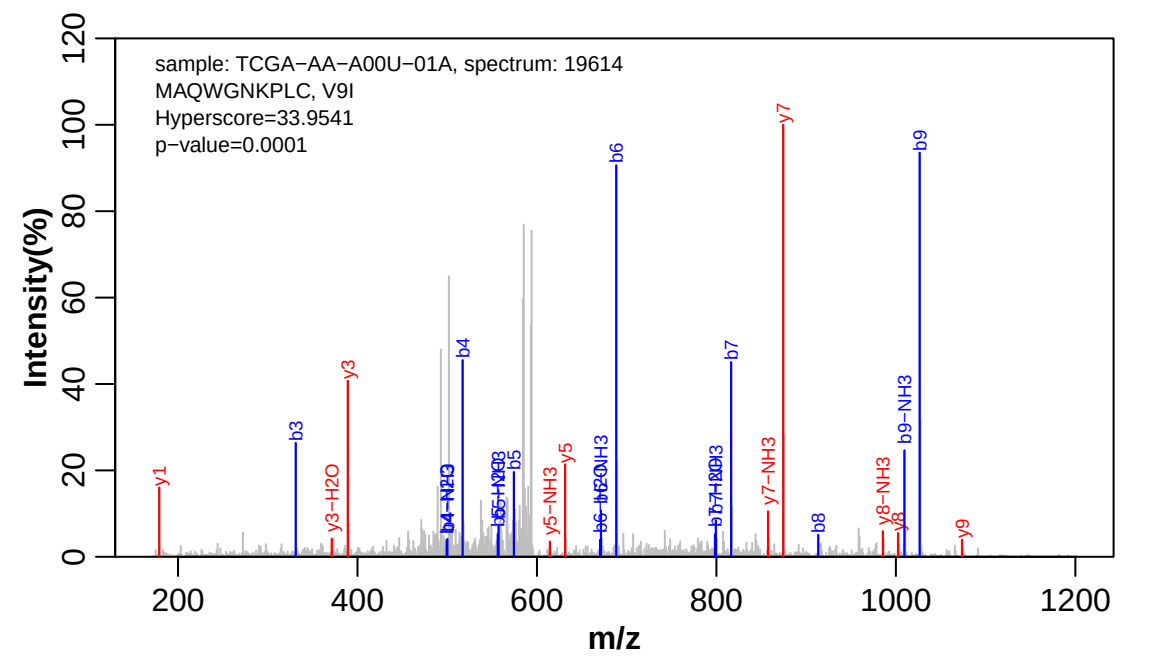

sample: TCGA−AA−A00U−01A, spectrum: 24419
LLNLLADLVER, R4L
Hyperscore=43.5833
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
y5
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

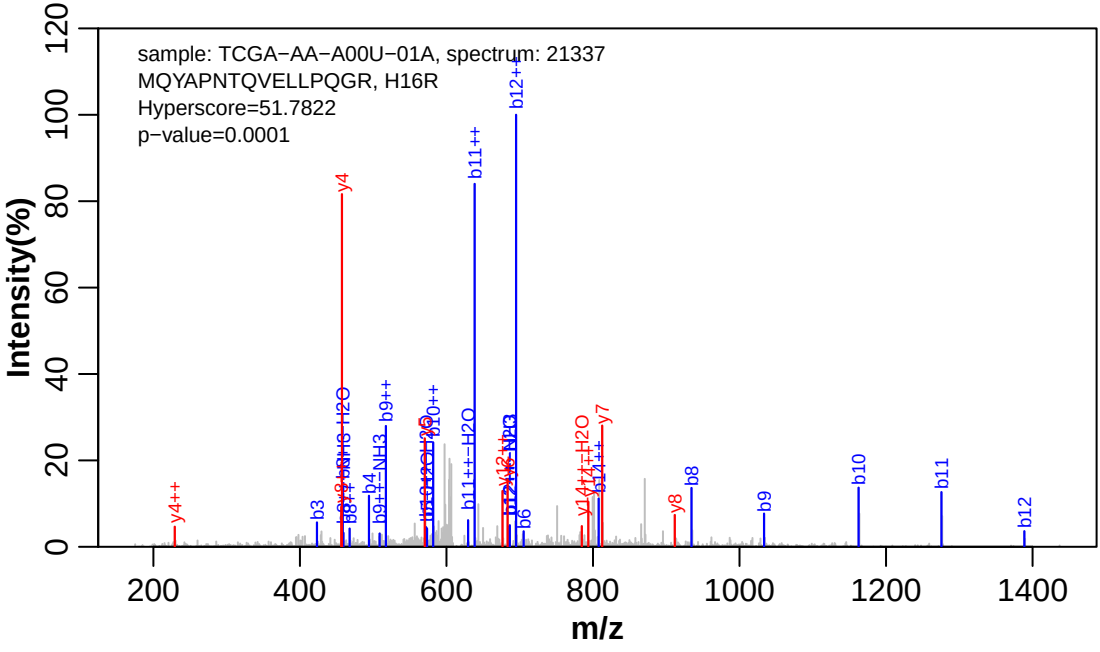

sample: TCGA−AA−A00U−01A, spectrum: 76562
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=30.8968
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y11+++
b8++−H2O
y13+++−H2O
b4 y14+++
y16+++
y16+++−H2O
y11++
y19+++−H2O
y13++
y14++
y15++
y16++

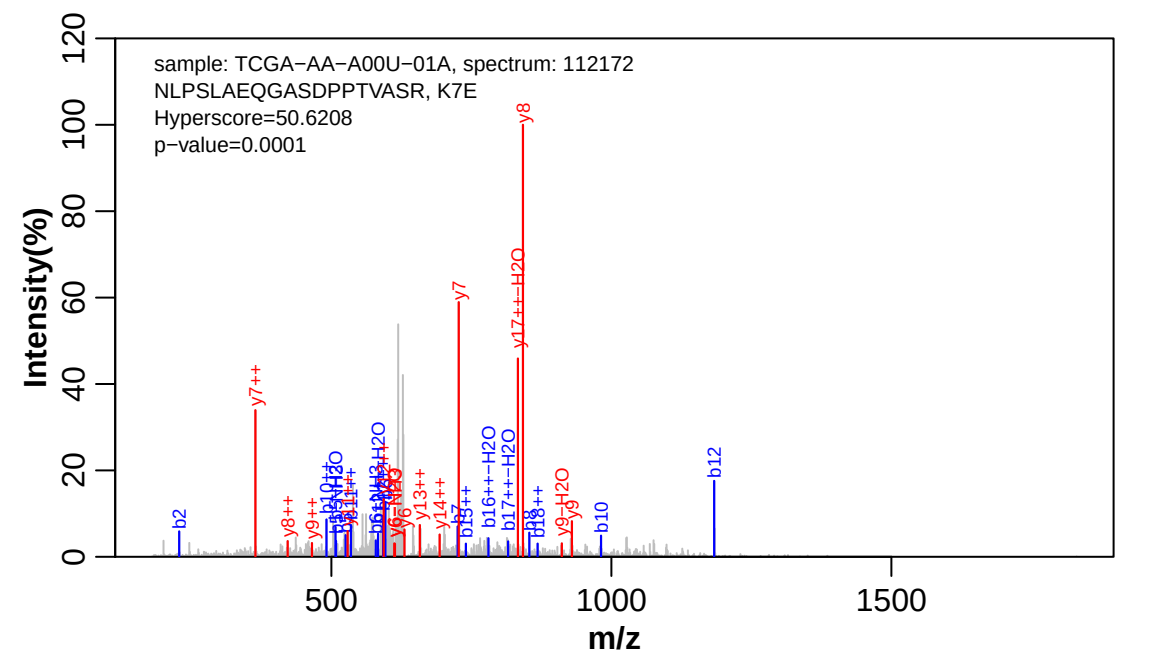

sample: TCGA−AA−A00U−01A, spectrum: 93525
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.1347
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y11++
b12++
y7
b8
y8
y10
b12
b9++
y5
b10++−NH3
b5
b11++
y6
y12++−H2O
b12++−H2O
y13++−H2O
y17++
y9−NH3
y9−H2O

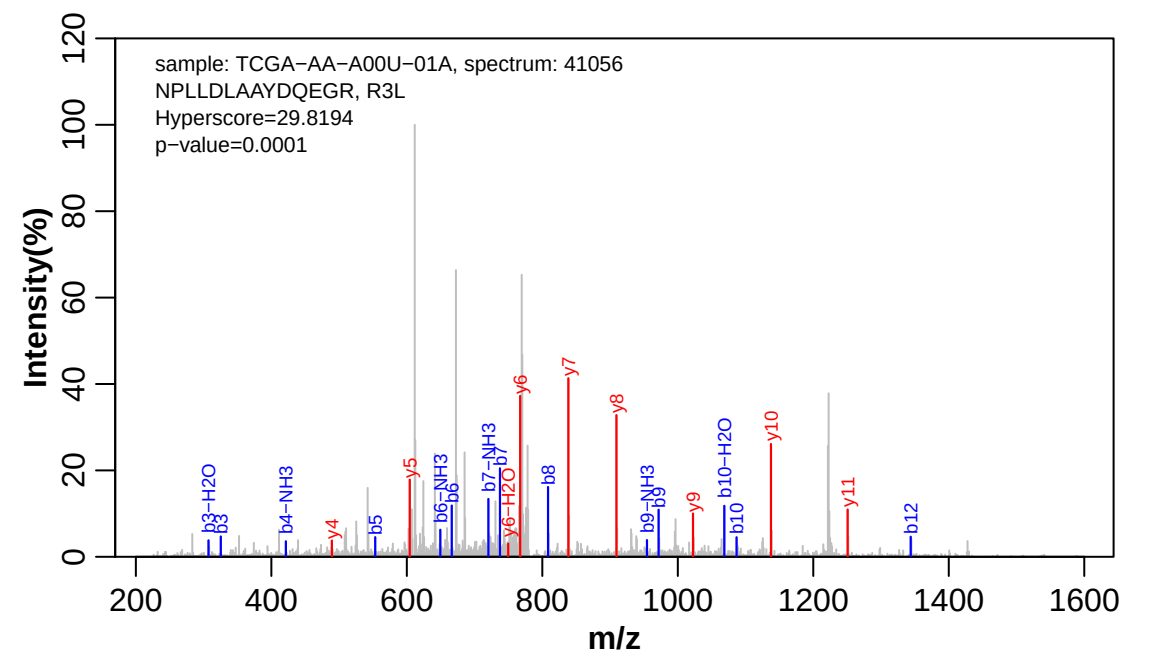

sample: TCGA−AA−A00U−01A, spectrum: 112751
LTGSSAQEAASGVALGEAPDHSYESLR, E9A
Hyperscore=69.4581
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y19++
y25++
y20++
y21++
y18++
y22++
y23++
y9−H2O
b21++−H2O
y20++−H2O
y16++
y14++
y17++−H2O
b6−H2O
y9++
y10++
b7−H2O
y12++
b12−H2O
y26++
y12

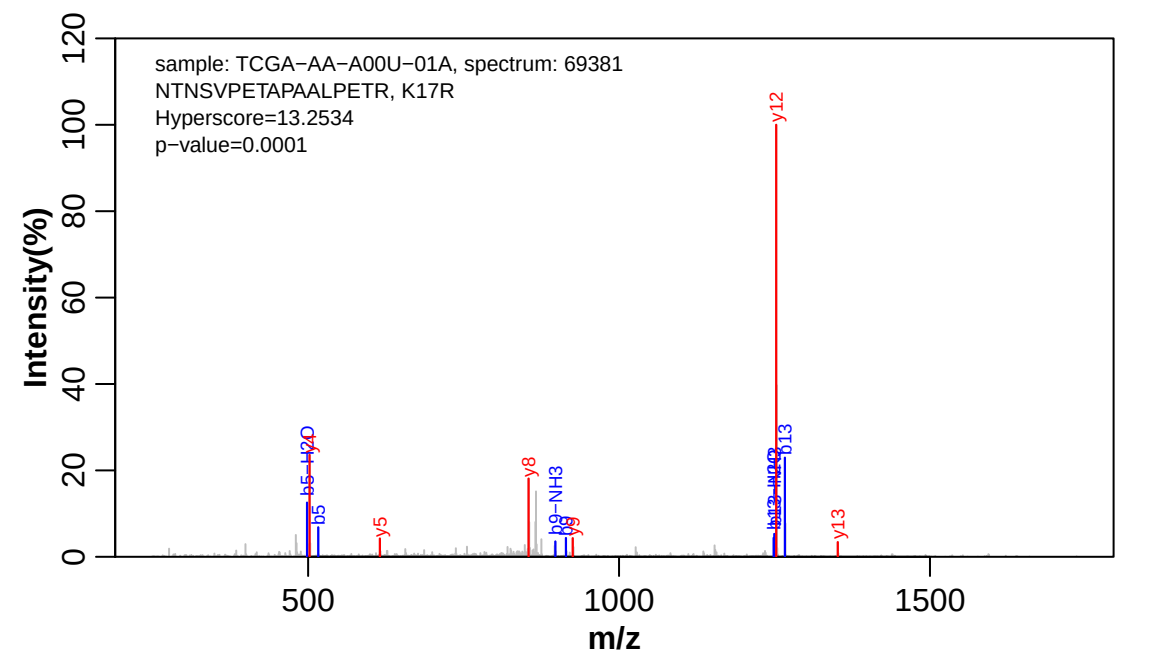

sample: TCGA−AA−A00U−01A, spectrum: 13190
LVTDYTLAEADAALQK, E11D
Hyperscore=55.4472
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4
y5
b5−H2O
b5
y6
b6−H2O
b6
y7
b7−NH3
b7−H2O
b7
y8−NH3
y8−H2O
y8
b8
y9−NH3
y9−H2O
y9
b9−NH3
b9−H2O
y10−H2O
y10
b10−NH3
b10
y11
b11
b12−H2O
b12
y12
b13−NH3
b13
y13
b14−H2O
b14
y14
b15

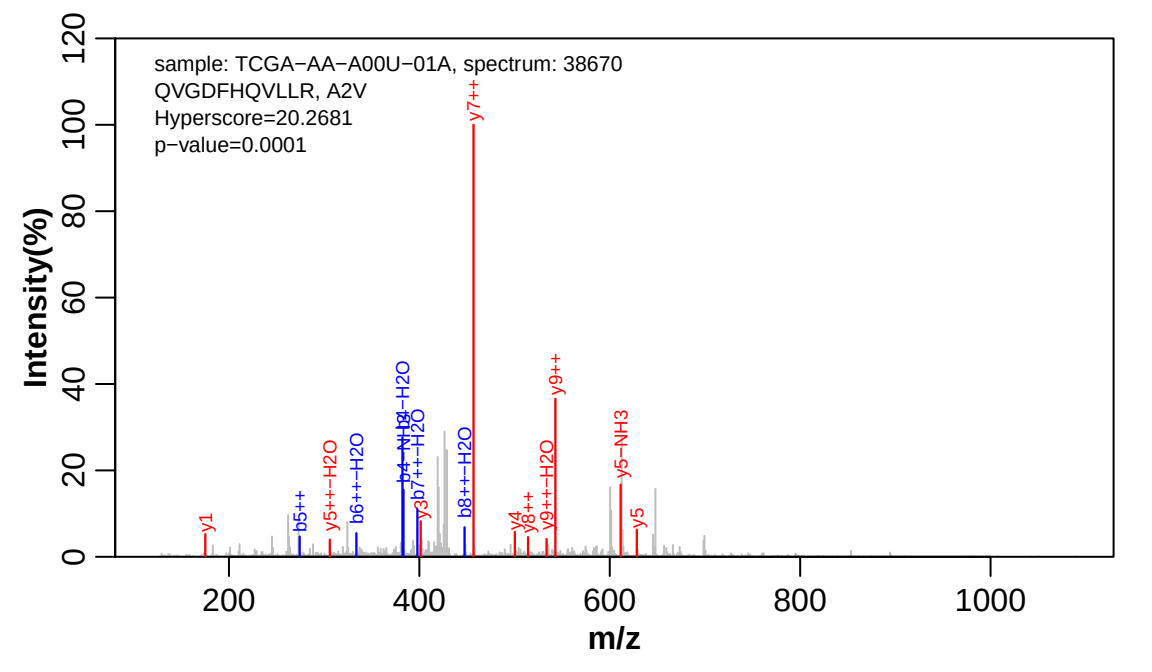

sample: TCGA−AA−A00U−01A, spectrum: 19614
MAQWGNKPLC, V9I
Hyperscore=33.9541
p−value=0.0001
Intensity(%)
m/z
y1
b3
y3
y3−H2O
b4
b5
y5−NH3
y5
b6
b7
y7
y7−NH3
b8
b9
b9−NH3
y8−NH3
y8
y9

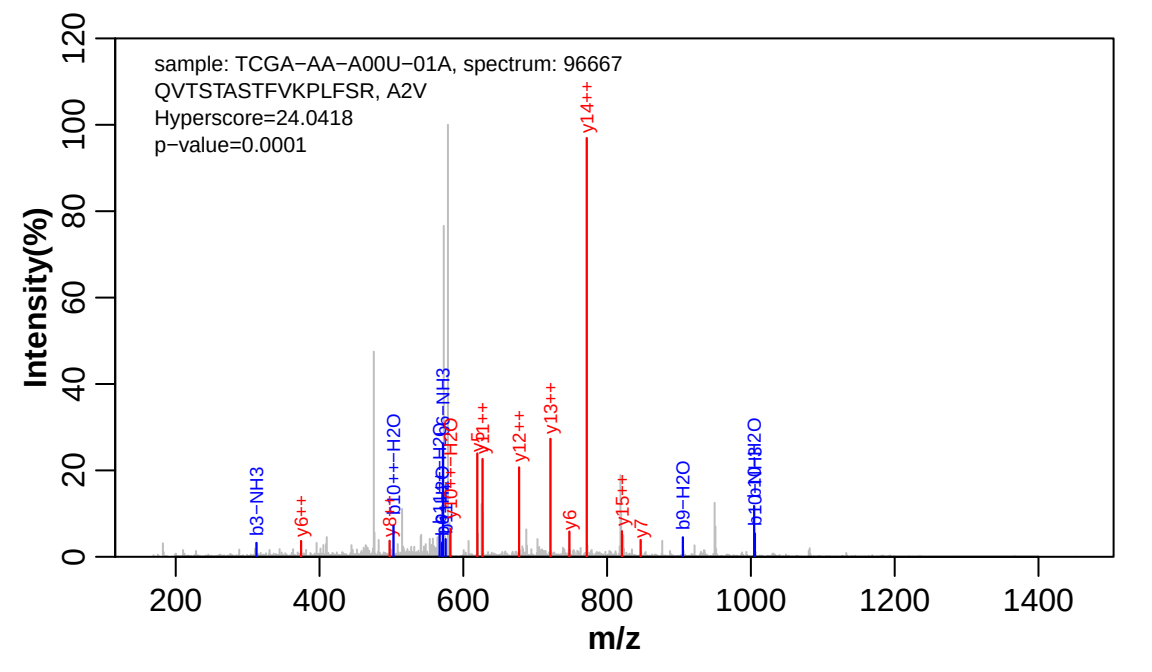

sample: TCGA−AA−A00U−01A, spectrum: 21337
MQYAPNTQVELLPQGR, H16R
Hyperscore=51.7822
p−value=0.0001
Intensity(%)
m/z
y4++
b3
y4
b4
b9++
b9++−NH3
b9++
b11++−H2O
b11++
b12++
b6
y7
y8
b8
b9
b10
b11
b12

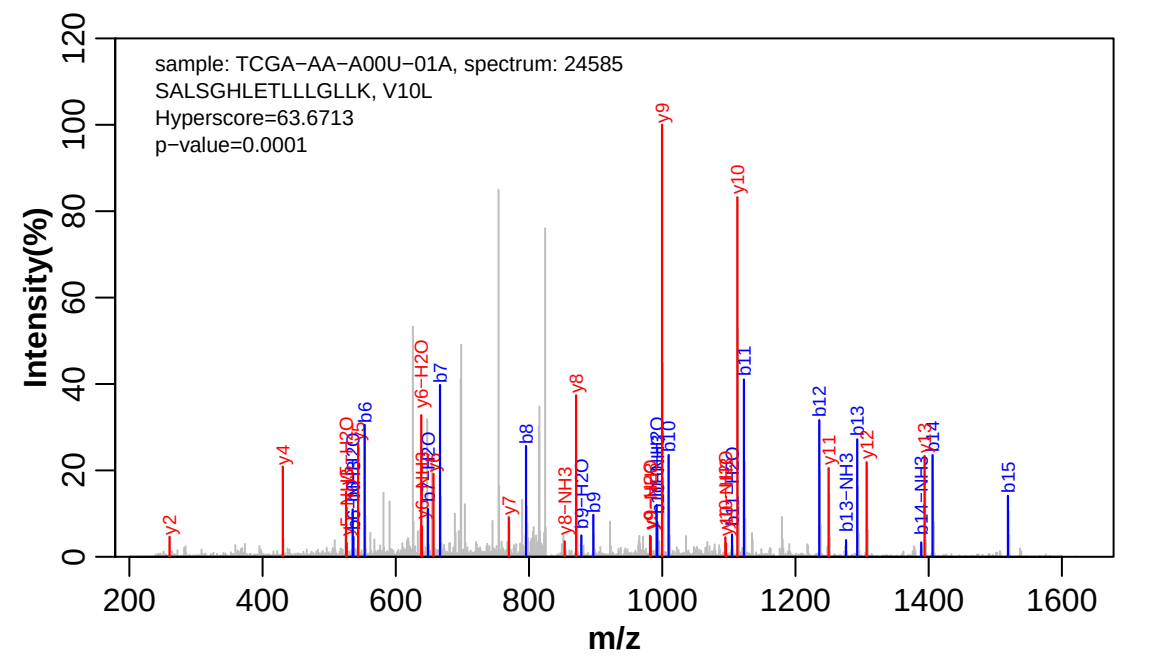

sample: TCGA−AA−A00U−01A, spectrum: 112172
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=50.6208
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y7
y7++
y17++−H2O
b12
b2
y8++
y9++
y13++
y14++
b7
b13++
b16++−H2O
b17++−H2O
b8
b8++
y9−H2O
y9
b10

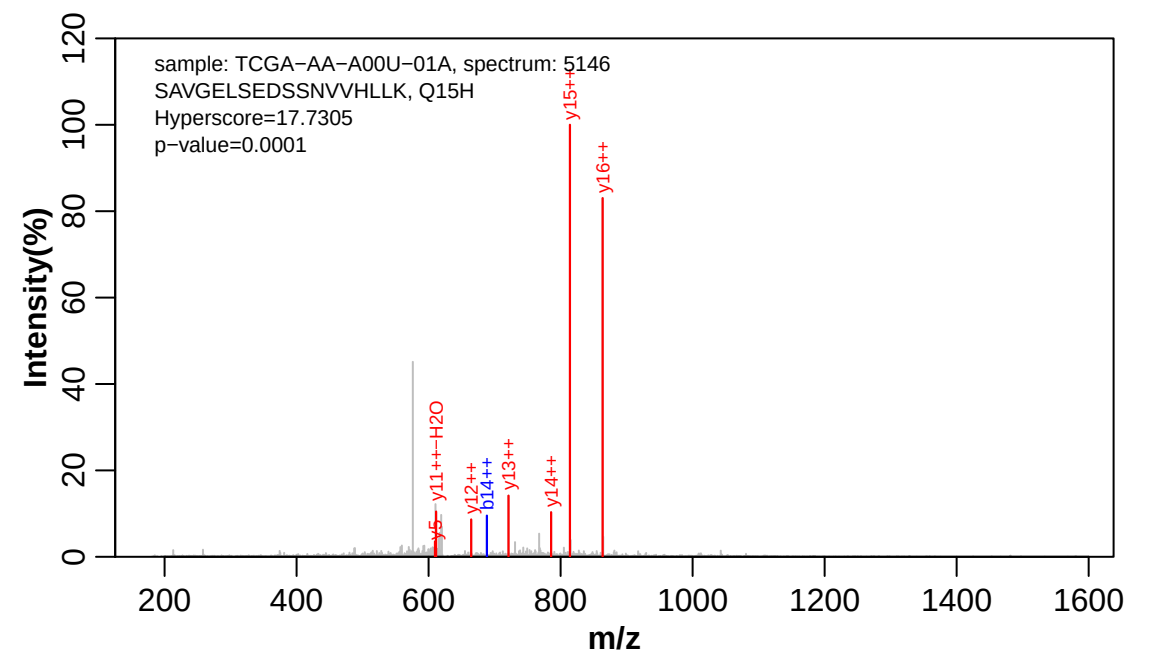

sample: TCGA−AA−A00U−01A, spectrum: 41056
NPLLDLAAYDQEGR, R3L
Hyperscore=29.8194
p−value=0.0001
Intensity(%)
m/z
b3−H2O
b3
b4−NH3
y4
b5
y5
b6−NH3
b6
b7−NH3
b7
y6−H2O
y6
b8
y7
y8
b9−NH3
b9
y9
b10−H2O
b10
y10
y11
b12

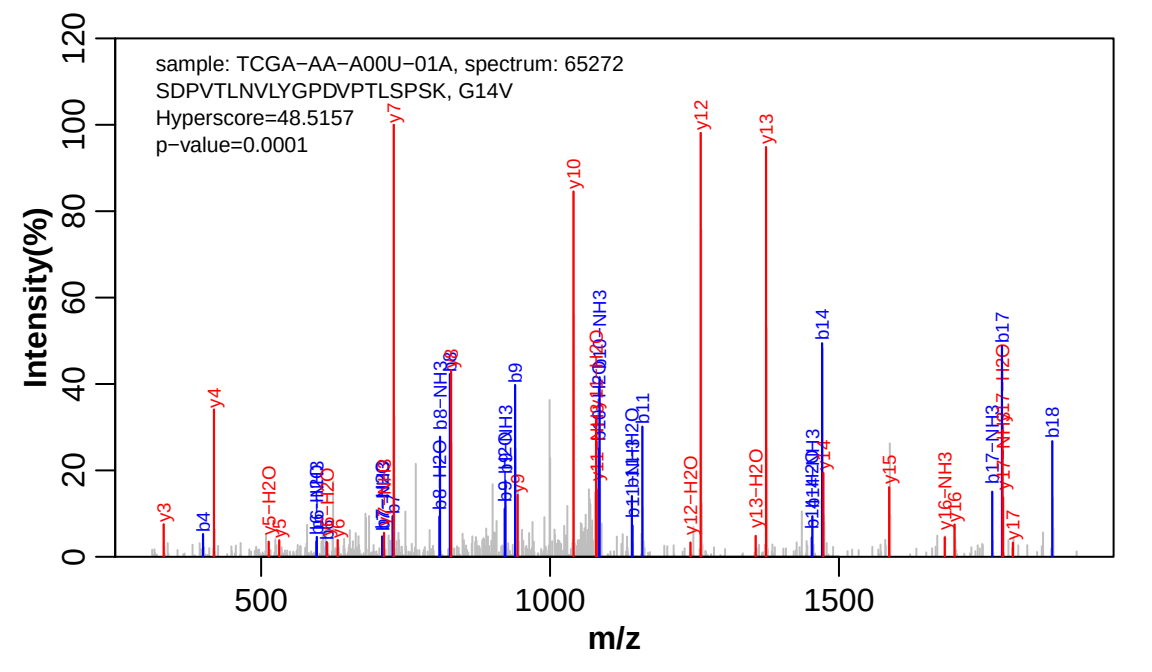

sample: TCGA−AA−A00U−01A, spectrum: 69381
NTNSVPETAPAALPETR, K17R
Hyperscore=13.2534
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
b5−H2O
b5
y5
y8
b9−NH3
b9
y9
b13
y13

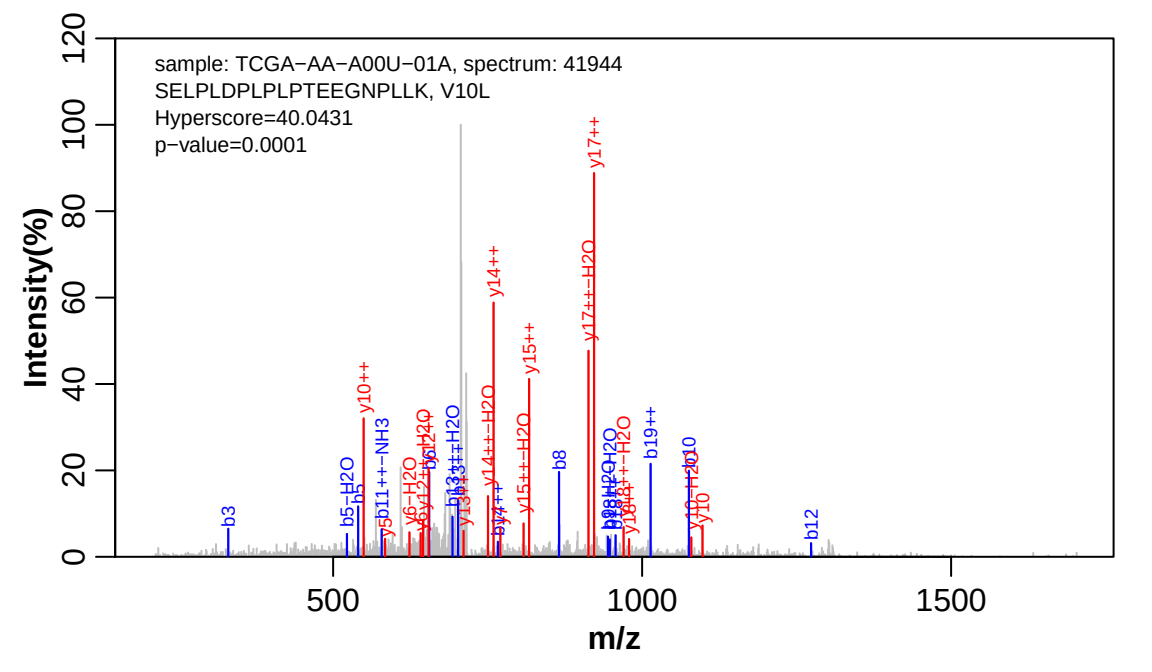

sample: TCGA−AA−A00U−01A, spectrum: 38670
QVGDFHQVLLR, A2V
Hyperscore=20.2681
p−value=0.0001
Intensity(%)
m/z
y7++
y9++
y5−NH3
b4++−NH3
b4++−H2O
y3
b7++−H2O
b8++−H2O
y5++−H2O
b6++−H2O
b5++
y1
y4
y8++
y9++−H2O
y5

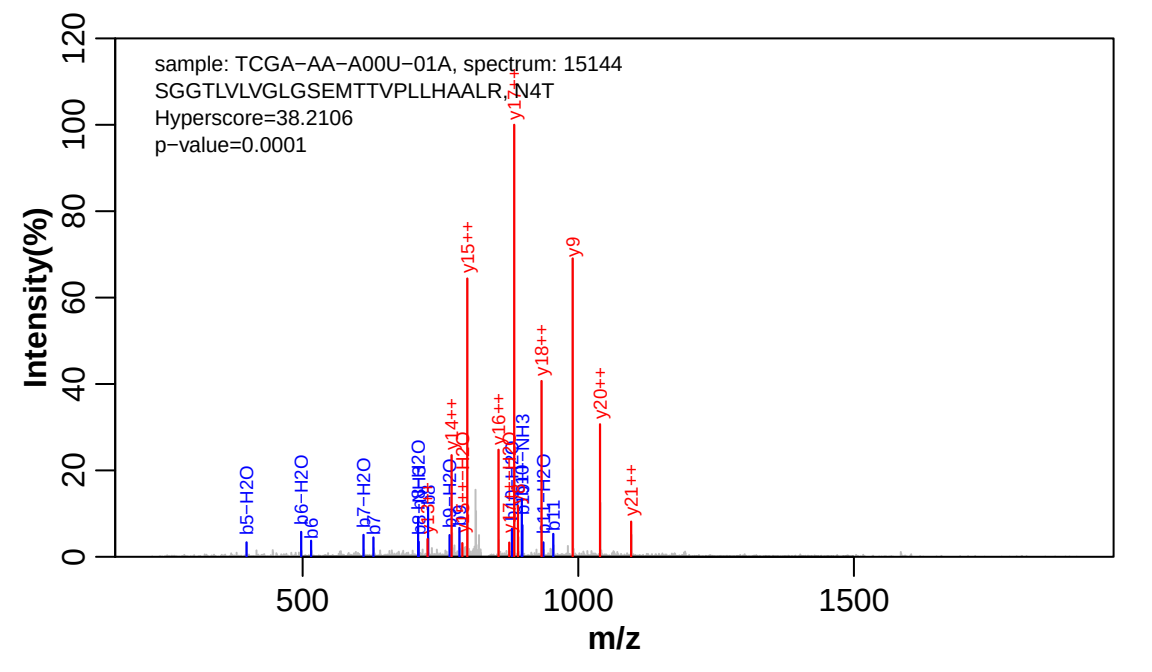

sample: TCGA−AA−A00U−01A, spectrum: 96667
QVTSTASTFVKPLFSR, A2V
Hyperscore=24.0418
p−value=0.0001
Intensity(%)
m/z
b3−NH3
y6++
y8++
b10++−H2O
y14++
y11++
y12++
y13++
y6
y15++
y7
b9−H2O
b10−NH3
b10−H2O

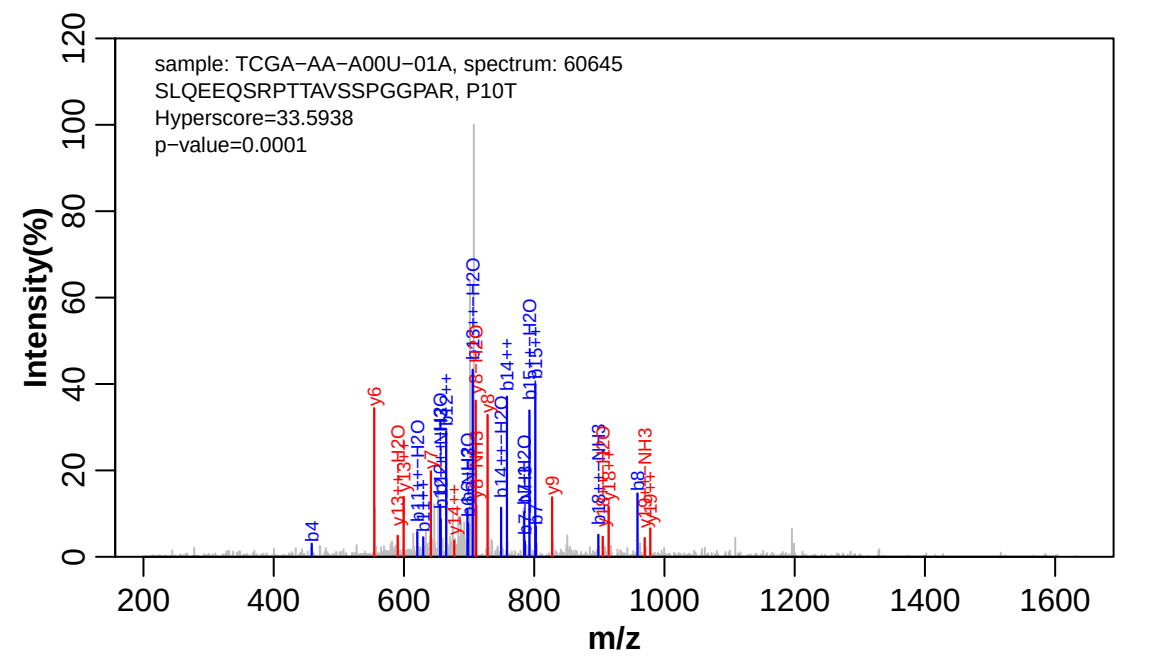

sample: TCGA−AA−A00U−01A, spectrum: 24585
SALSGHLETLLLGLLK, V10L
Hyperscore=63.6713
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y4
y5
b5
b6
y6−H2O
y6−NH3
b7
y7
b8
y8−NH3
y8
b9−H2O
b9
y9
b10
y10
b11
b12
y11
b13−NH3
b13
y12
b14−NH3
y13
b14
b15

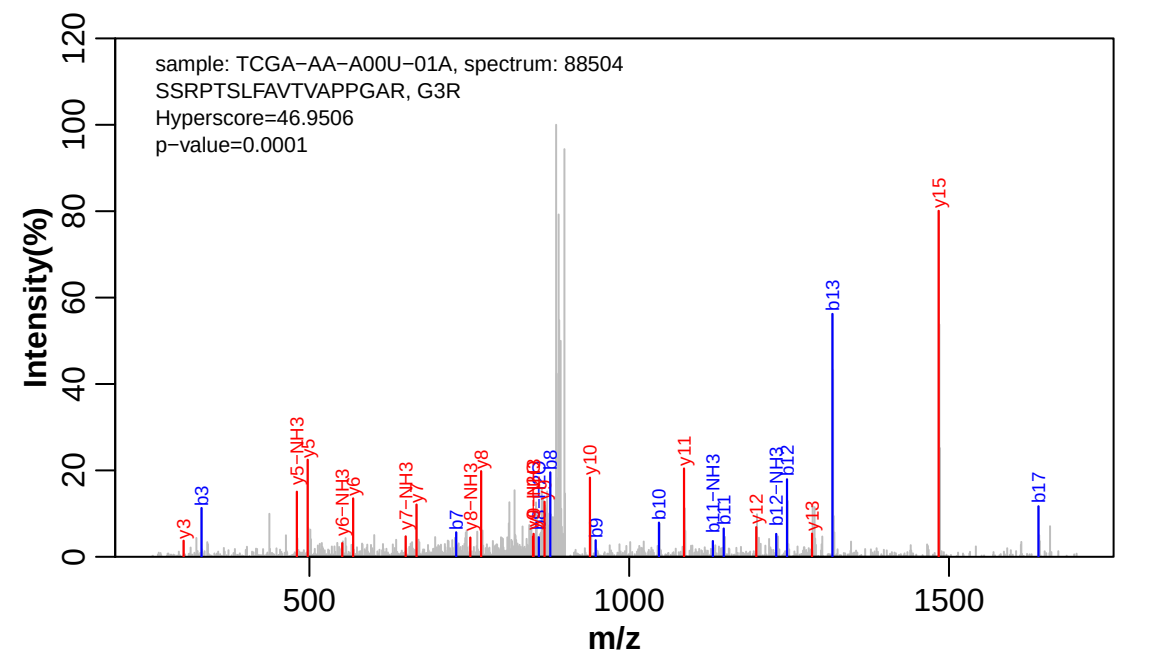

sample: TCGA−AA−A00U−01A, spectrum: 5146
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7305
p−value=0.0001
y15++
y16++
y11++−H2O
y5
y12++
b14++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

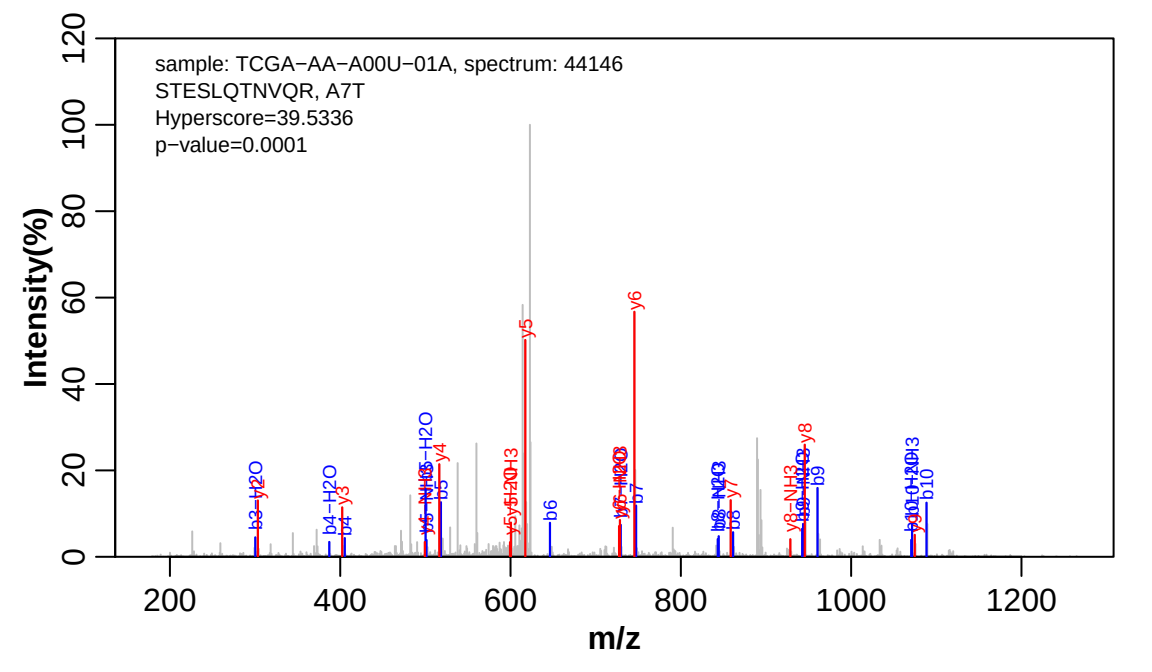

sample: TCGA−AA−A00U−01A, spectrum: 65272
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=48.5157
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y12
y13
y10
b14
b18
b17
y4
b9
b11
y15
y14
y3
b4
y5−H2O
y12−H2O
y13−H2O
y16−NH3
b17−NH3
y17
b8−NH3
b8−H2O

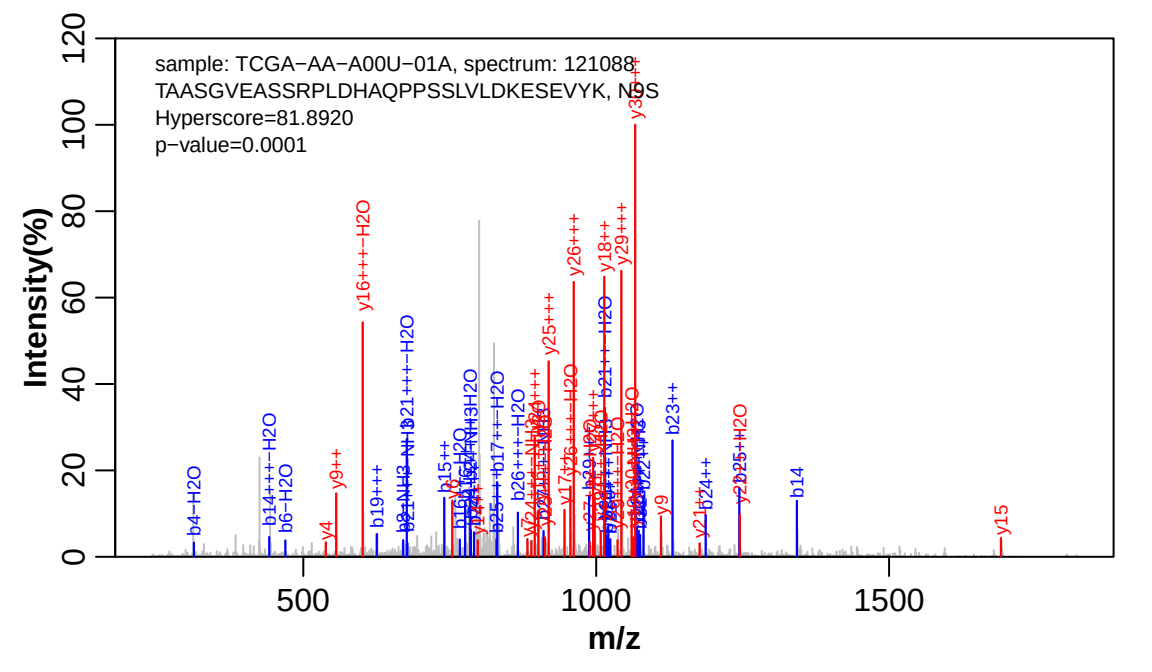

sample: TCGA−AA−A00U−01A, spectrum: 41944
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=40.0431
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b5−H2O
b5
y10++
y11++−NH3
y6−H2O
y6−H2O
y13++−H2O
y14++−H2O
y14++
y15++−H2O
y15++
b8
y17++
y17++−H2O
b19++
y10++−H2O
y10
b12

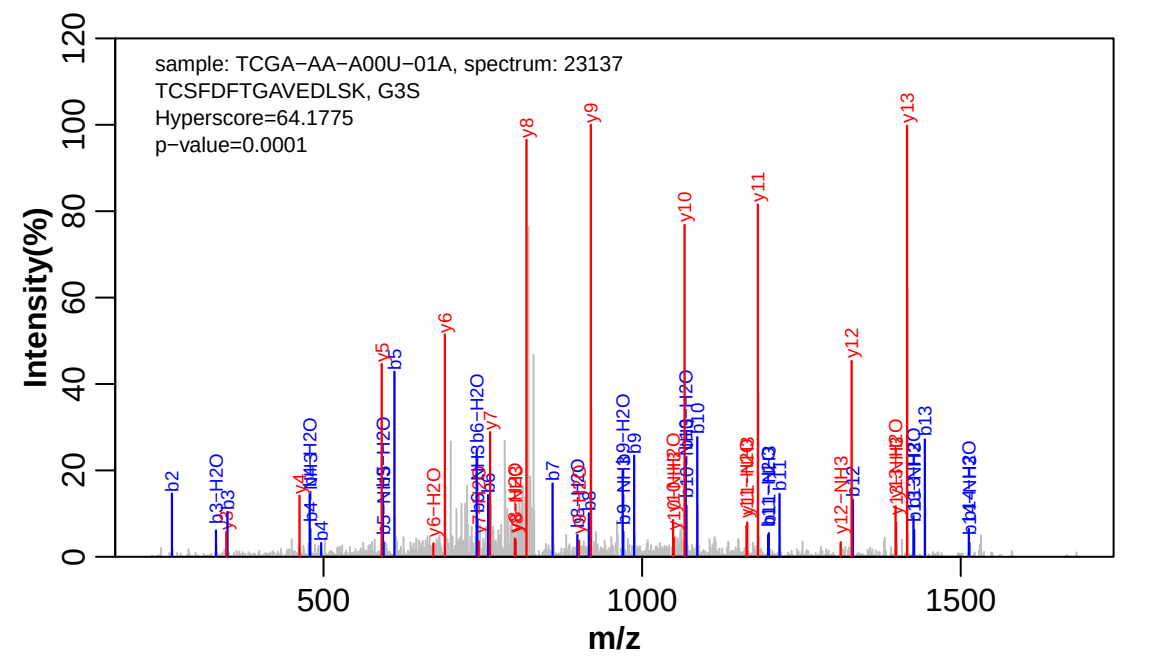

sample: TCGA−AA−A00U−01A, spectrum: 15144
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=38.2106
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y15++
y9
y18++
y20++
y14++
y16++
y21++
b5−H2O
b6−H2O
b6
b7−H2O
b7
b11−H2O
b11

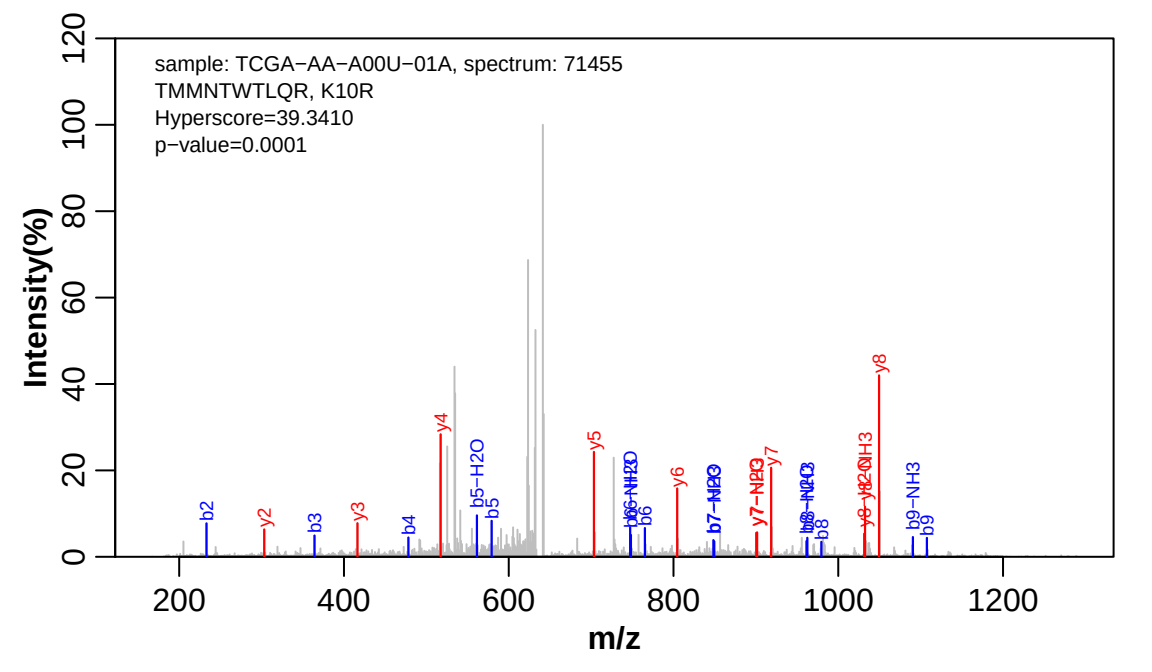

sample: TCGA−AA−A00U−01A, spectrum: 60645
SLQEEQSRPTTAVSSPGGPAR, P10T
Hyperscore=33.5938
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4
y6
y13++H2O
y13++
b11++H2O
y7
b11++
y14++
y8 NH3
y8
b14++H2O
b14++
b15++H2O
b15++
y9
b18++NH3
y18++H2O
y18++
b8
y8++ NH3

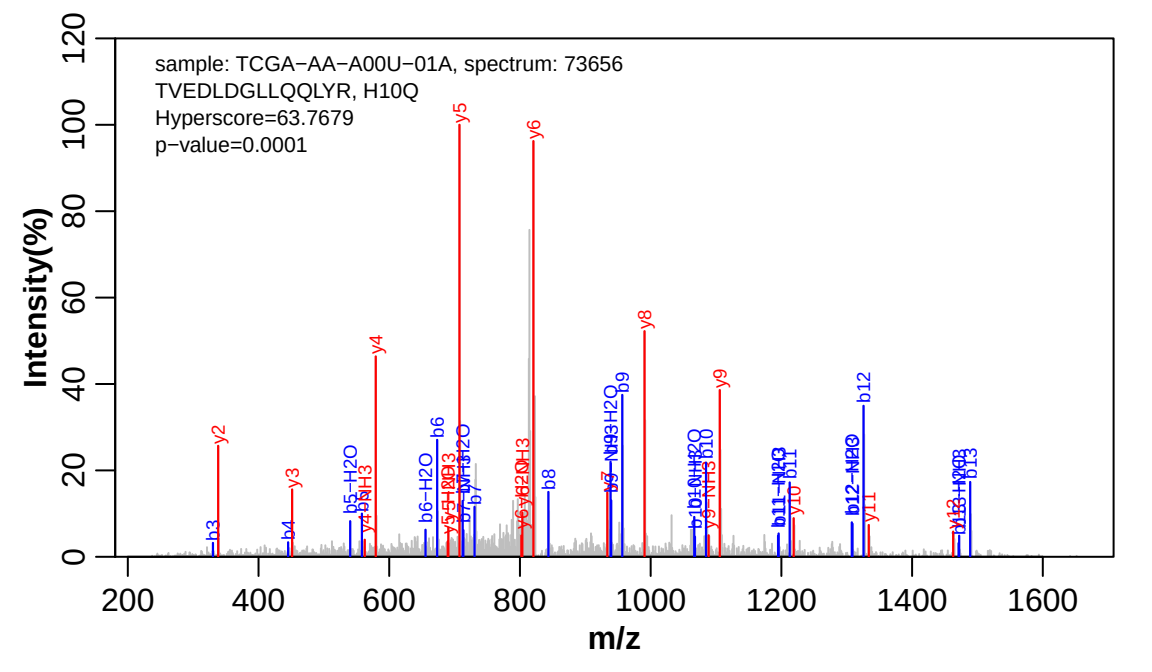

sample: TCGA−AA−A00U−01A, spectrum: 88504
SSRPTSLFAVTVAPPGAR, G3R
Hyperscore=46.9506
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
b3
y5−NH3
y5
y6−NH3
y6
y7−NH3
y7
b7
y8−NH3
y8
b8
y10
b9
b10
y11
b11−NH3
b11
y12
b12−NH3
b12
y13
b13
y15
b17

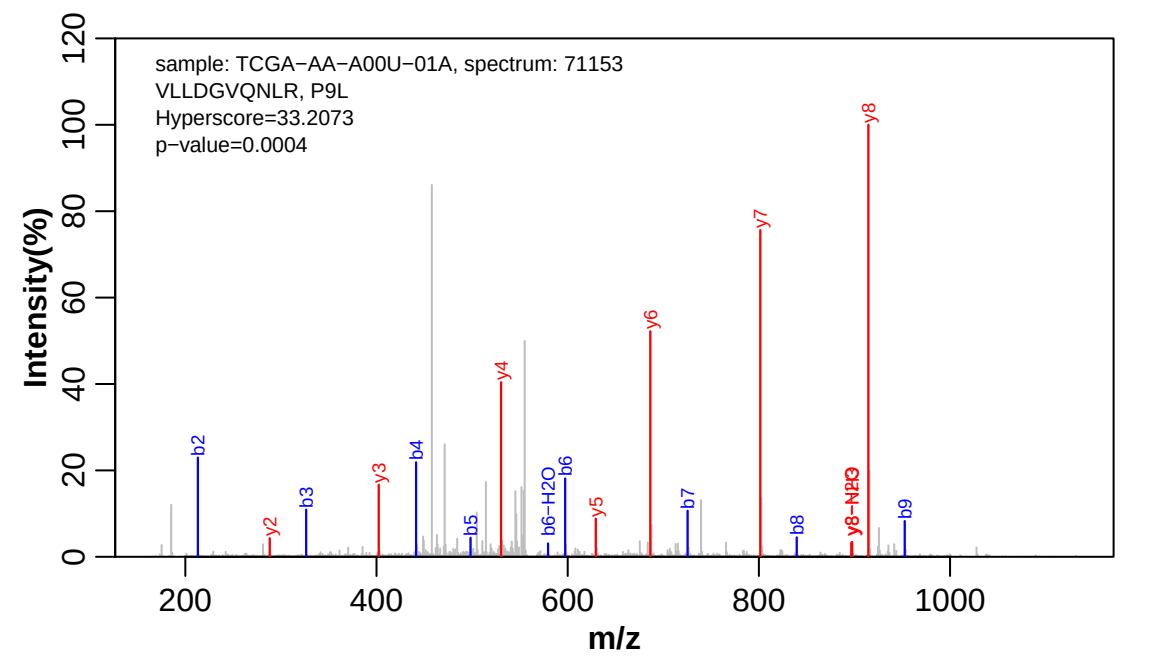

sample: TCGA−AA−A00U−01A, spectrum: 44146
STESLQTNVQR, A7T
Hyperscore=39.5336
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
y2
b4−H2O
y3
b4
y4
b5−NH3
b5−H2O
y5−NH3
y5
y5−H2O
y5−H2O−13
b6
y6
y6−H2O
y6−H2O−13
b7
b8−NH3
b8−H2O
b8
y7
y8−NH3
y8−H2O
y8
b9
b10−NH3
b10−H2O
b10−H2O−13
b10

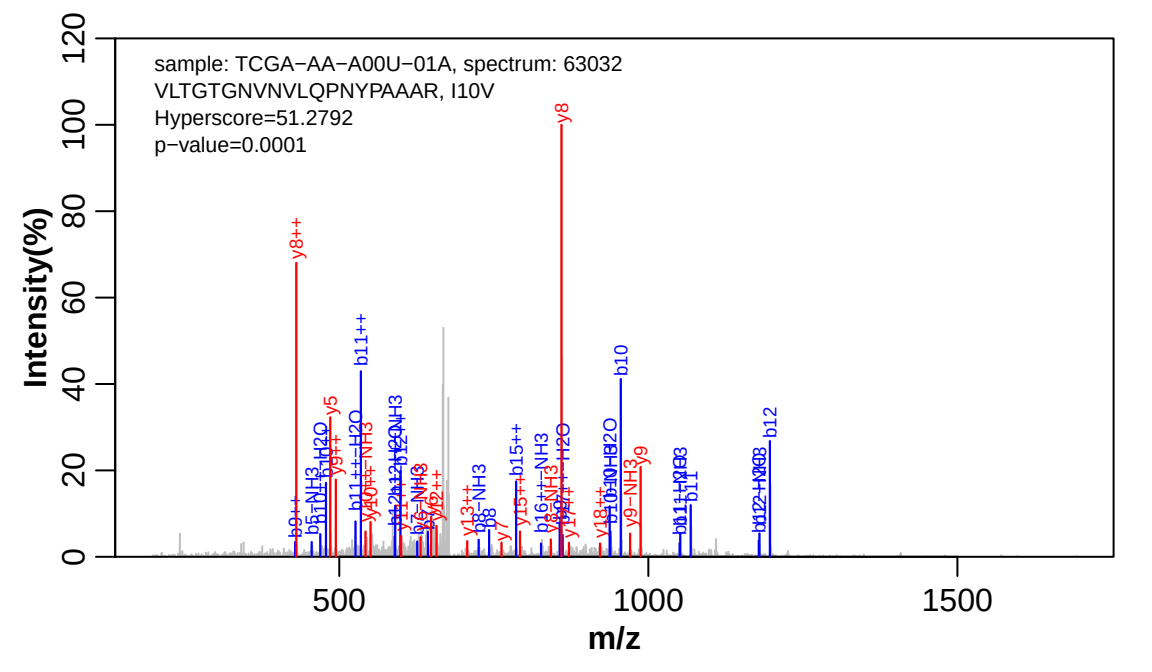

sample: TCGA−AA−A00U−01A, spectrum: 121088
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=81.8920
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4−H2O
b14+++−H2O
b6−H2O
y4
y9++
y16+++−H2O
b19+++
b21+++−H2O
b15++
b26+++−H2O
y25+++
y26+++
y18++
y29+++
y30+++
b23++
y9
y21++
b24++
y25+++H2O
b14
y15

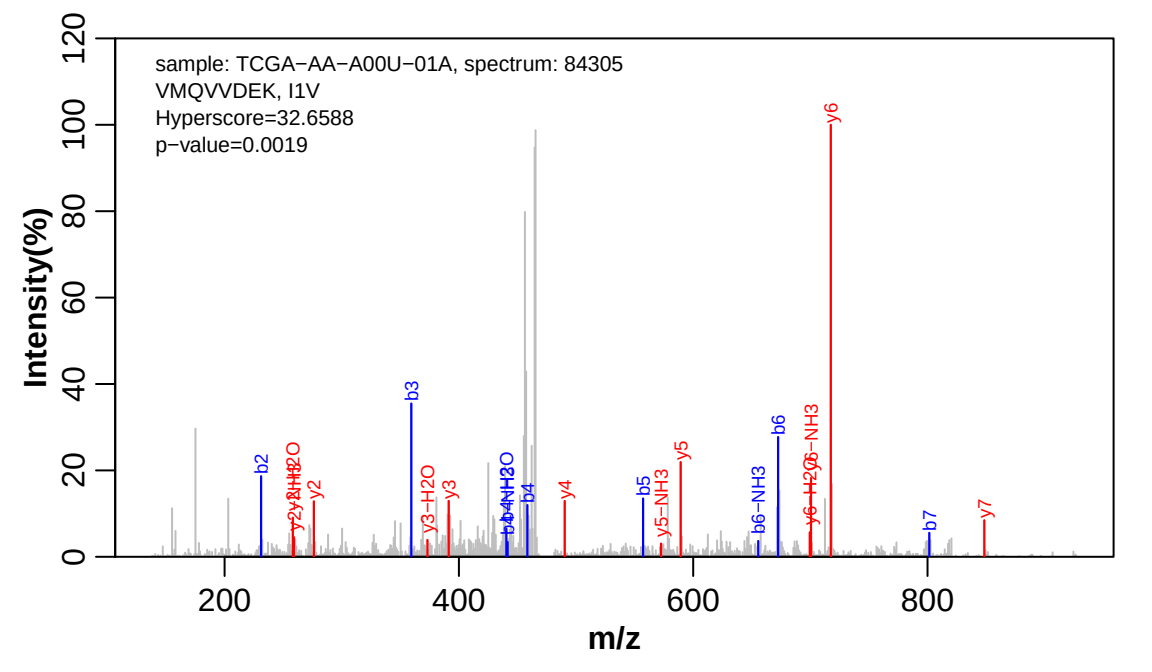

sample: TCGA−AA−A00U−01A, spectrum: 23137
TCSFDFTGAVEDLSK, G3S
Hyperscore=64.1775
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3−H2O
y3
b3
y4
b4−NH3
b4−H2O
b4
y5
b5
b5−NH3
b5−H2O
y6
y6−H2O
y6
b6−H2O
y7
b6
y8
y8−H2O
b7
b8−H2O
b8
y9
b9−NH3
b9−H2O
b9
y10
b10−NH3
b10−H2O
b10
y11
y11−NH3
b11−NH3
b11
y12
y12−NH3
b12
y13
b13
b14−NH3
b14−H2O

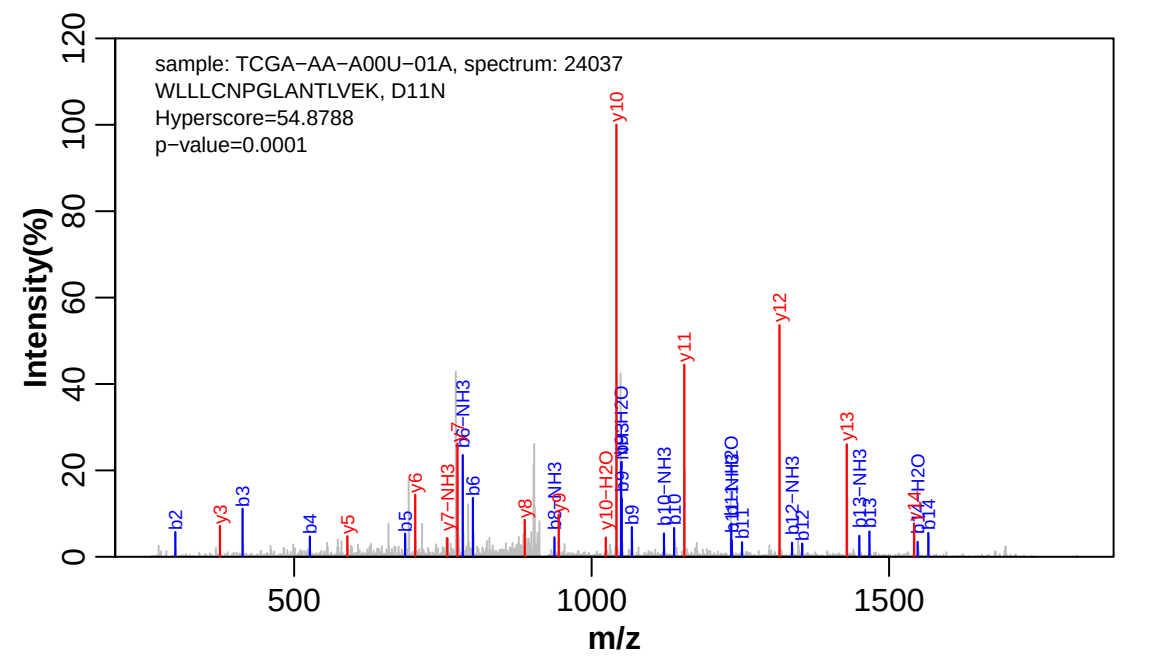

sample: TCGA−AA−A00U−01A, spectrum: 71455
TMMNTWTLQR, K10R
Hyperscore=39.3410
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4
y4
b5−H2O
b5
y5
b6−NH3
b6
y6
b7−NH3
y7−NH3
y7
b8−NH3
b8
y8−H2O−NH3
y8
b9−NH3
b9

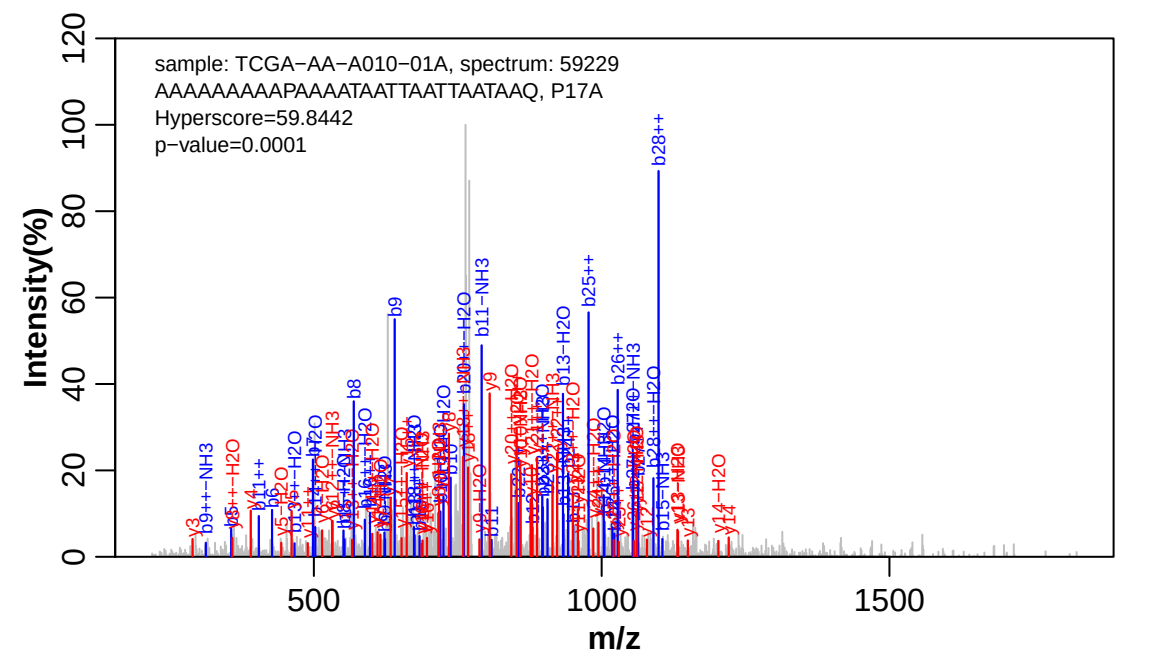

sample: TCGA−AA−A00U−01A, spectrum: 73656
TVEDLDGLLQQLYR, H10Q
Hyperscore=63.7679
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y8
y4
y9
y2
y3
b12
b6
b8
b9
b3
b4
b5−H2O
b6−H2O
b5−NH3
b7
b10
b11
y10
y11
b13

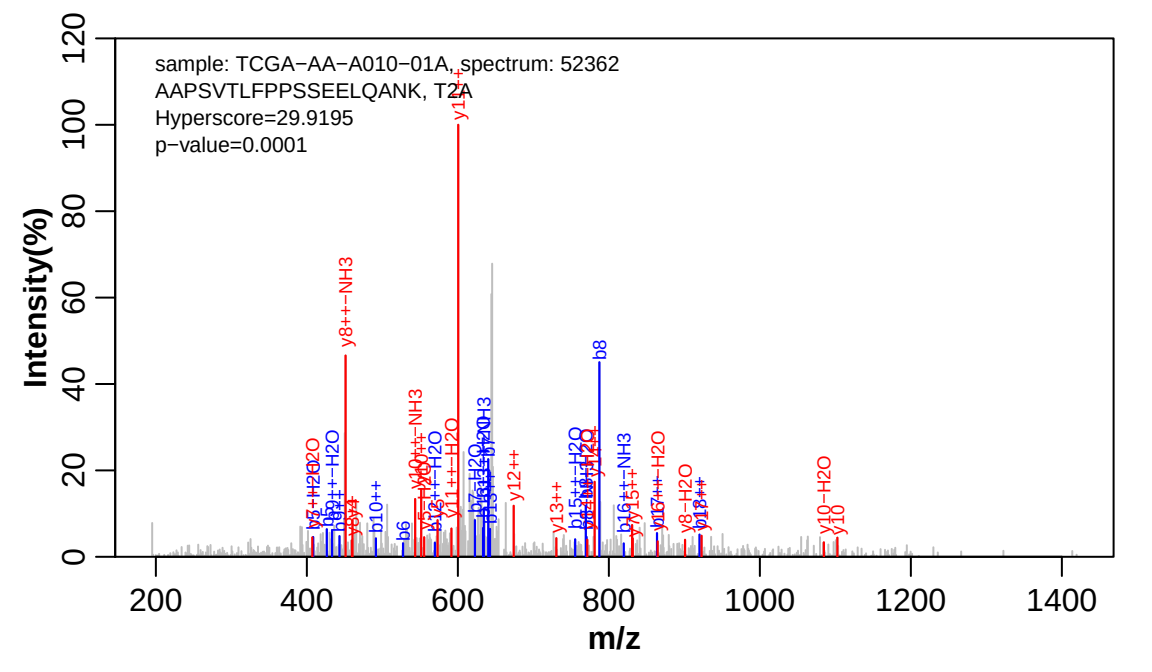

sample: TCGA−AA−A00U−01A, spectrum: 71153
VLLDGVQNLR, P9L
Hyperscore=33.2073
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
b3
y3
b4
b5
y4
b6−H2O
b6
y5
y6
b7
b8
y7
y8−NH3
y8
b9

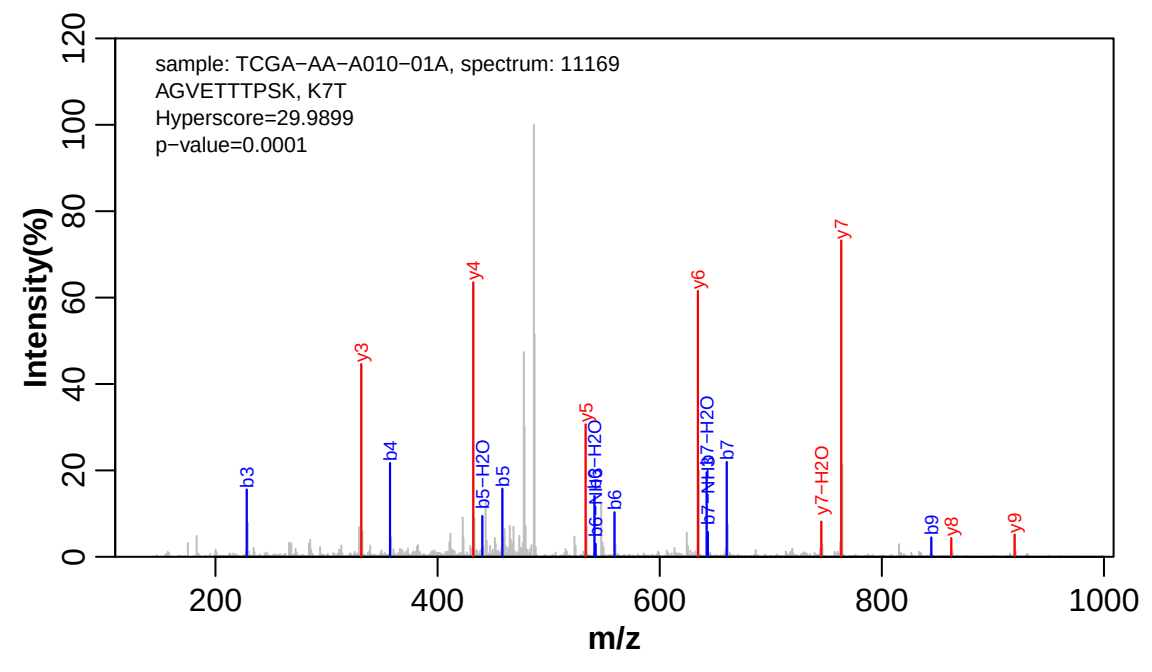

sample: TCGA−AA−A00U−01A, spectrum: 63032
VLTGTGNVNVLQPNYPAAAR, I10V
Hyperscore=51.2792
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y8++
b11++
b10
b12
y9
y5
y7
b8
y13++
b15++

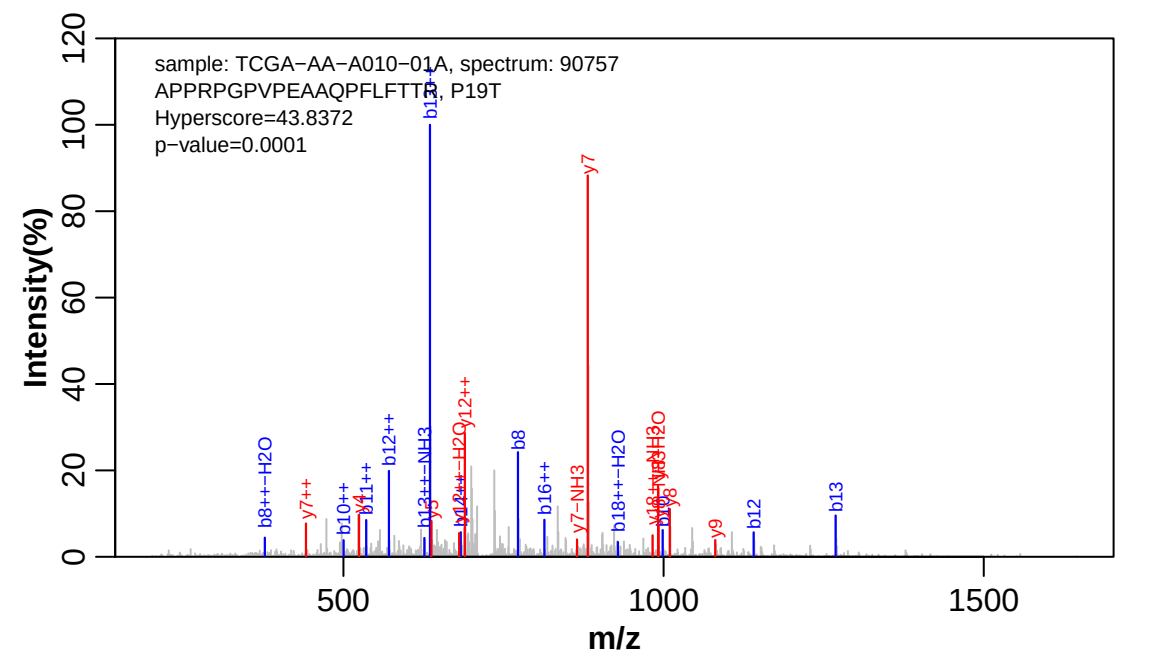

sample: TCGA−AA−A00U−01A, spectrum: 84305
VMQVVDEK, I1V
Hyperscore=32.6588
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
b2
y2−NH3
y2−H2O
y2
b3
y3−H2O
y3
b4−NH3
b4−H2O
b4
y4
b5
y5−NH3
y5
b6−NH3
b6
y6−H2O
y6−NH3
y6
b7
y7

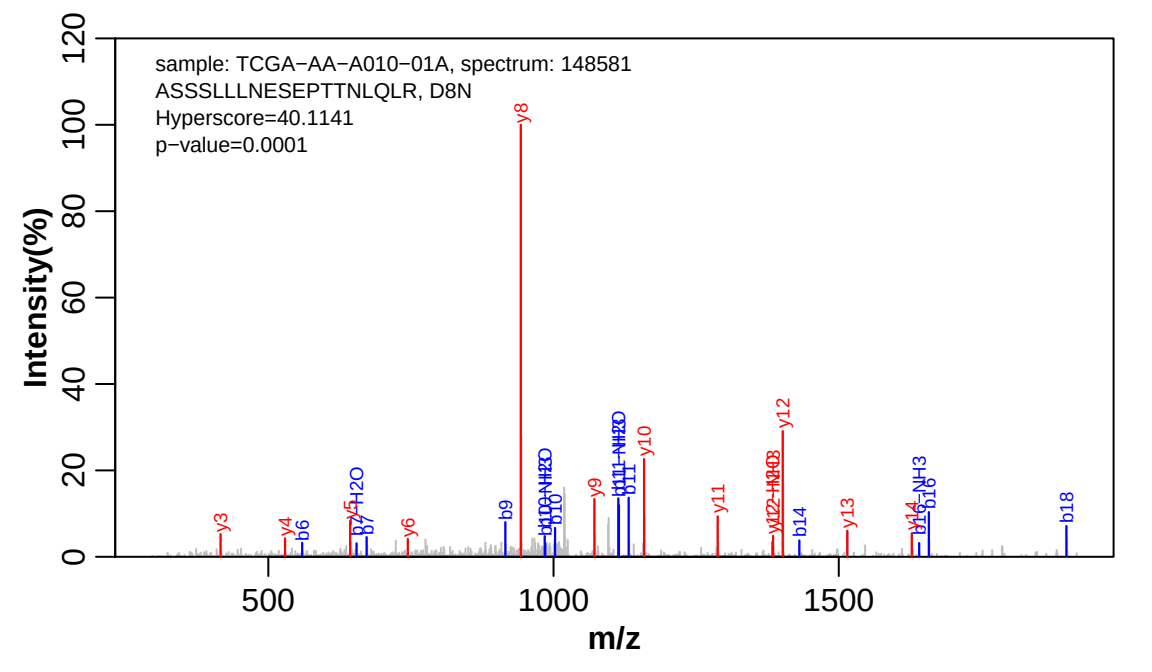

sample: TCGA−AA−A00U−01A, spectrum: 24037
WLLLCNPGLANTLVEK, D11N
Hyperscore=54.8788
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3
b4
y5
b5
y6
y7−NH3
b6
y8
b8−NH3
y10−H2O
y10
b9
b10−NH3
y11
b11
y12
b12−NH3
b12
y13
b13−NH3
b13
b14
y14
H2O

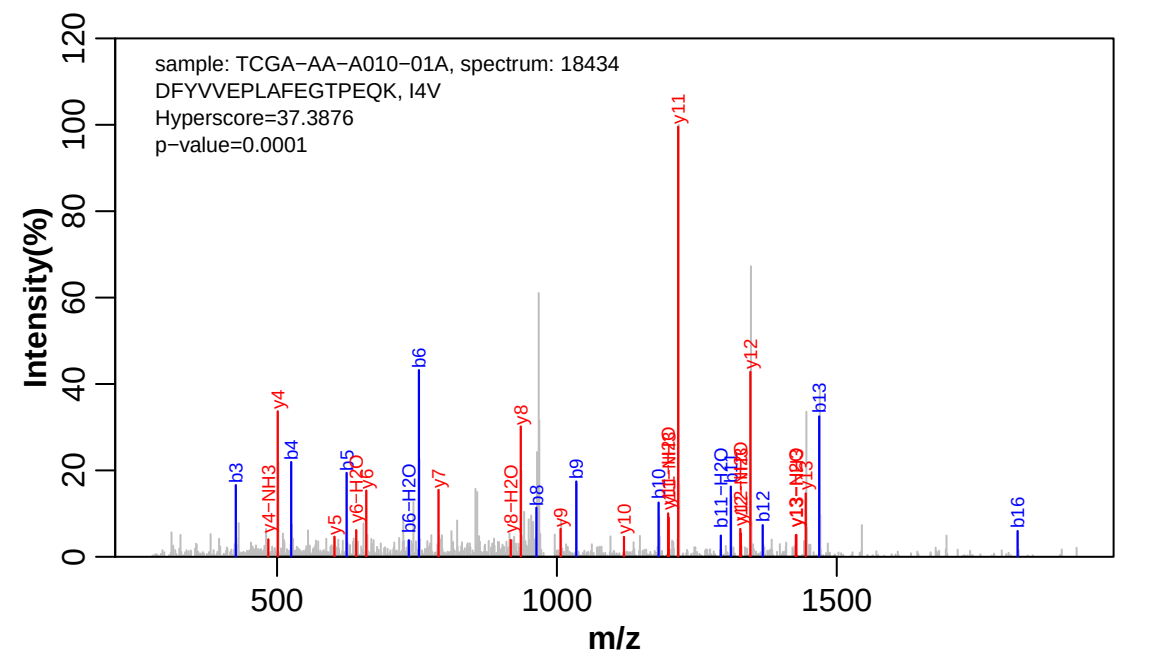

sample: TCGA−AA−A010−01A, spectrum: 59229
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=59.8442
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b9
b11−NH3
b25++
y9
b13−H2O
b26++
b11−H2O
b15−NH3
b28++−H2O
y14−H2O
b9++−NH3
y5++−H2O
y3
y4++
b6
y5++
b8
b9++
y11++
y13++
y14++
b10
y11
b8++
y6++
y7++
y8++
b12
b14
b15
b16
b17
b18
b19
b20
b21
b22
b23
b24
b27
y10
y12
y15
y16
y17
y18
y19
y20
y21
y22
y23
y24
y25
y26
y27
y28

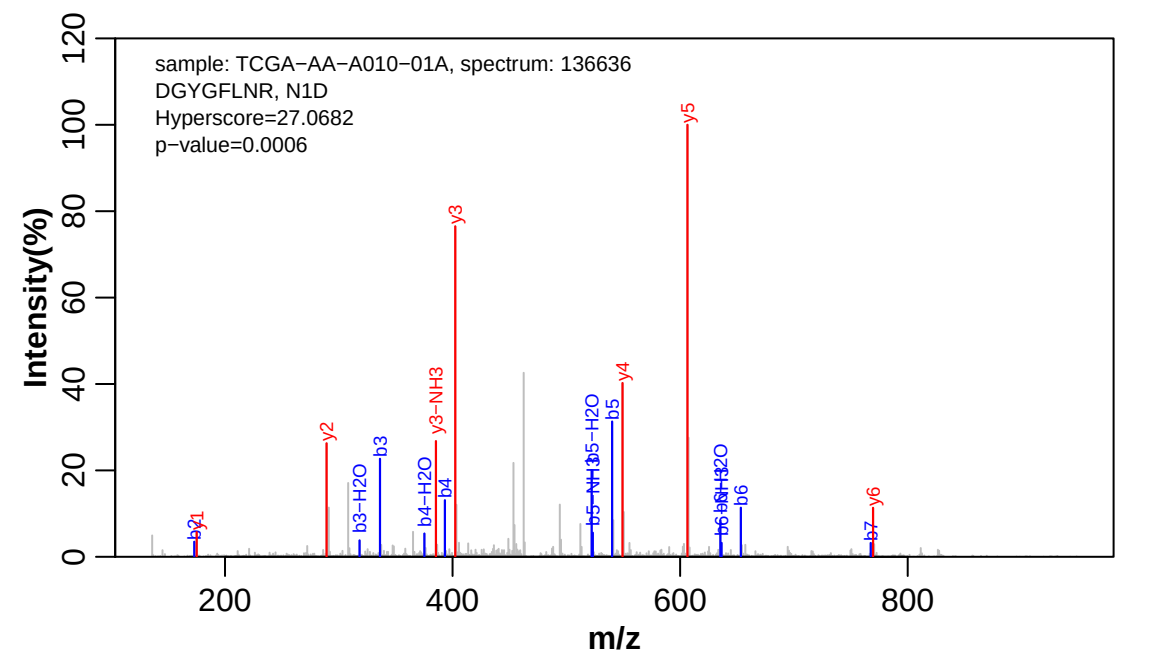

sample: TCGA−AA−A010−01A, spectrum: 52362
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=29.9195
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y11++
y8++−NH3
b8
y12++
b10++
b6
y13++
y10−H2O
y10

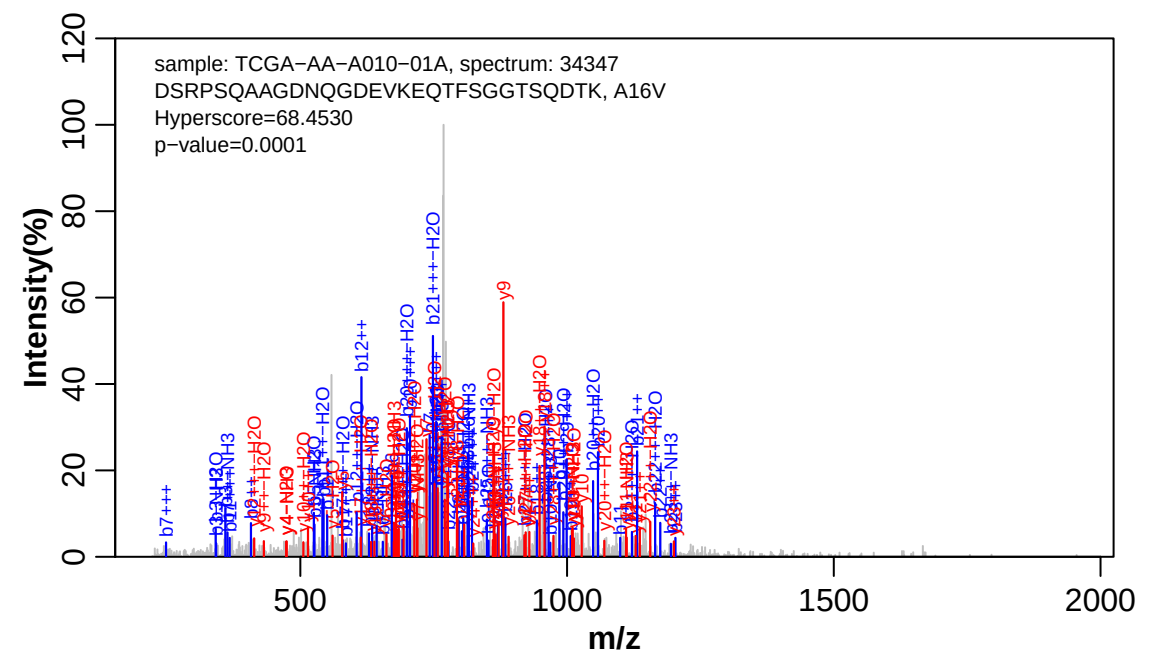

sample: TCGA−AA−A010−01A, spectrum: 11169
AGVETTTPSK, K7T
Hyperscore=29.9899
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6−NH3
b6
y6
b7−NH3
b7−H2O
b7
y7
y7−H2O
b9
y8
y9

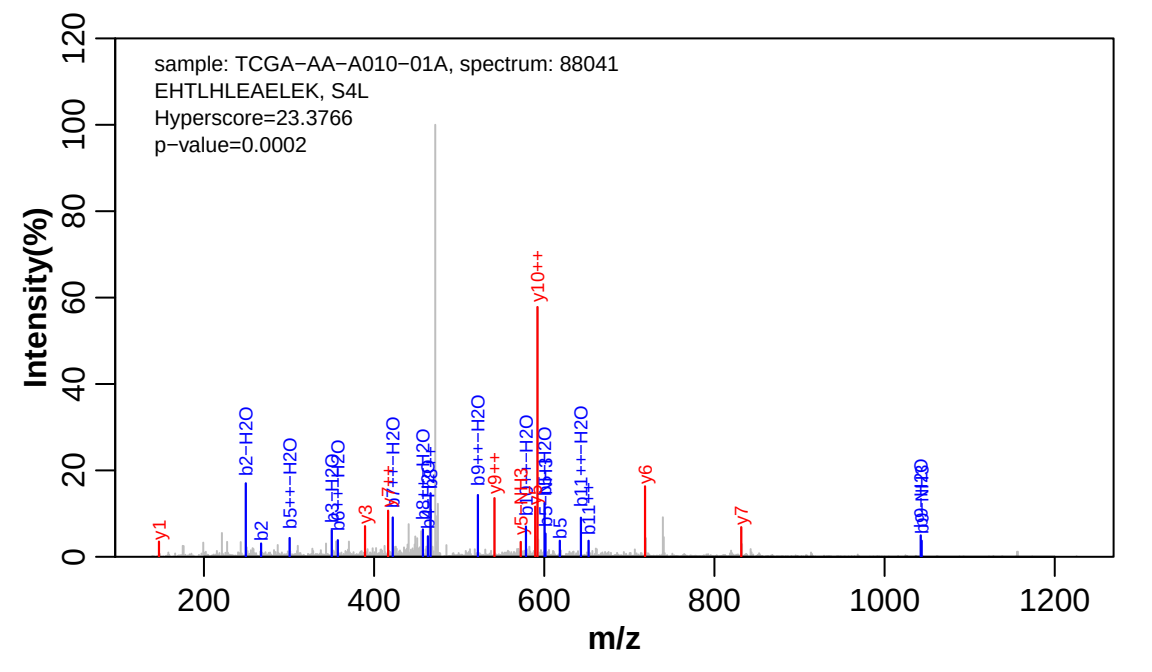

sample: TCGA−AA−A010−01A, spectrum: 90757
APPRPGPVPEAAQPFLFTTR, P19T
Hyperscore=43.8372
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8++−H2O
y7++
b10++
y4++
b11++
b12++
b13++−NH3
y3++
b12++−H2O
y12++
b8
b16++
y7−NH3
b18++−H2O
y8++−NH3
y8++−H2O
y8
y9
b12
b13
y7

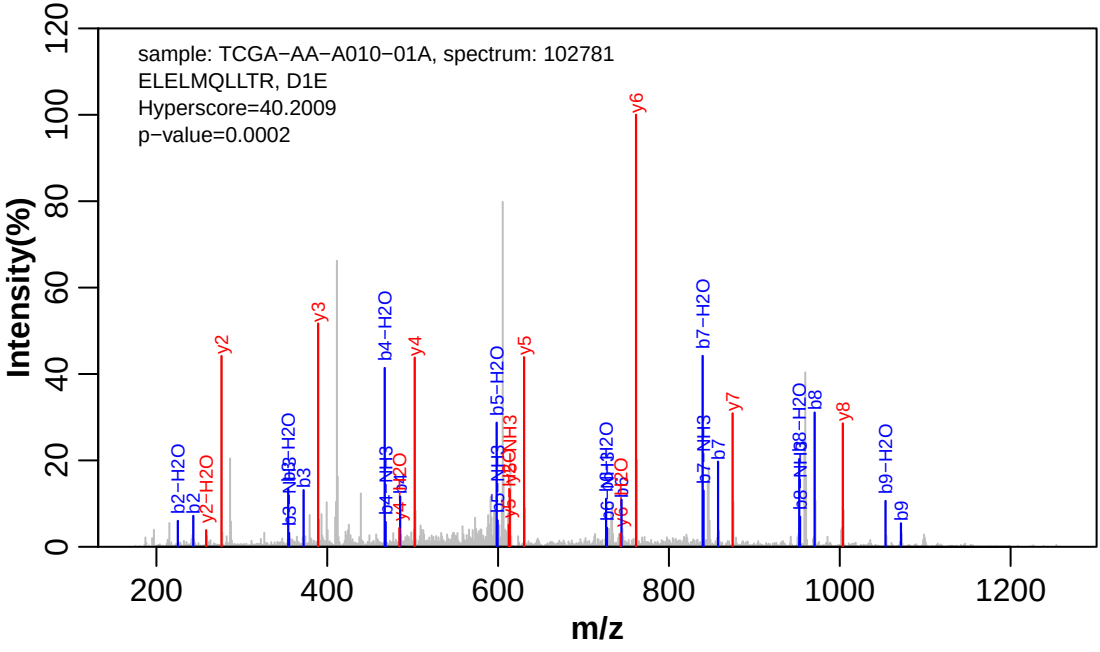

sample: TCGA−AA−A010−01A, spectrum: 148581
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=40.1141
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
b6
y5
b7
y6
b9
y8
y9
y10
y11
b14
y12
y13
b16
b18

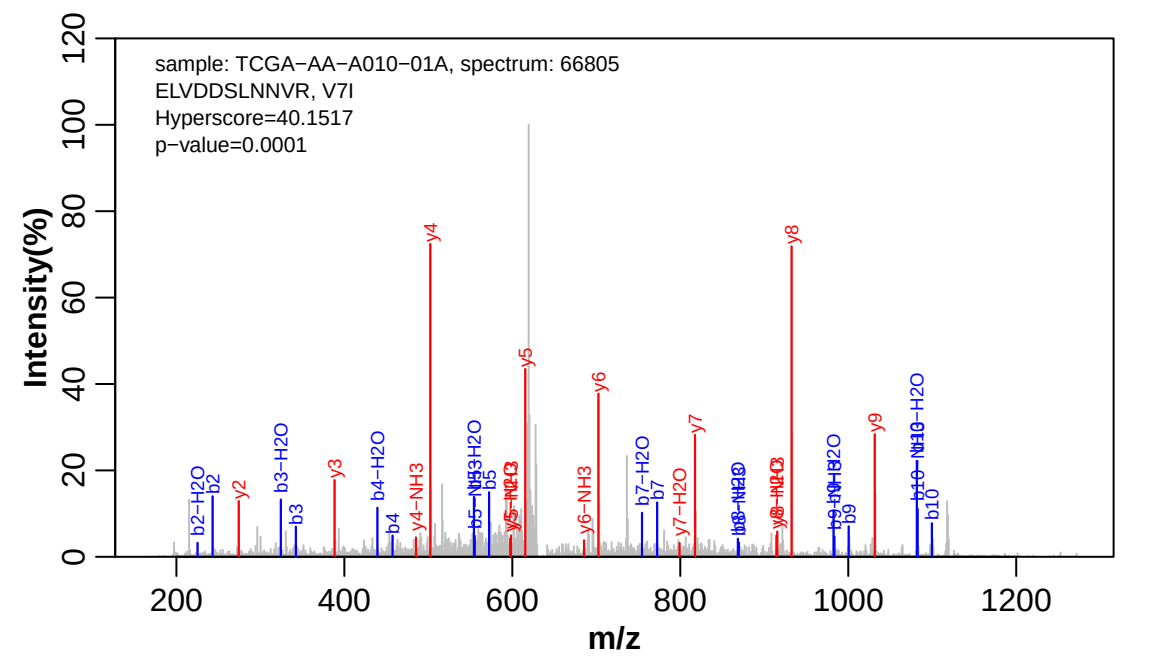

sample: TCGA−AA−A010−01A, spectrum: 18434
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=37.3876
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4−NH3
y4
b4
y5
b5
y6−H2O
y6
b6−H2O
b6
y7
y8−H2O
y8
b8
y9
b9
y10
b10
y11−NH3
y11
b11−H2O
y12−NH3
y12−H2O
b12
y12
y13−NH3
y13
b13
b16

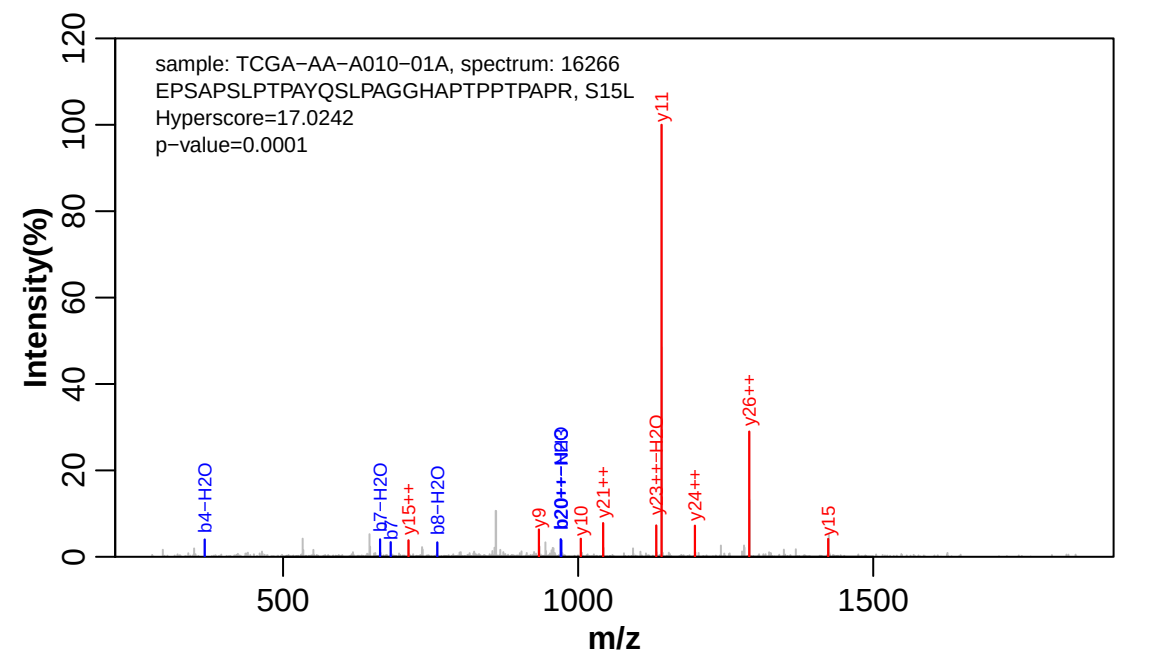

sample: TCGA−AA−A010−01A, spectrum: 136636
DGYGFLNR, N1D
Hyperscore=27.0682
p−value=0.0006
Intensity(%)
m/z
y5
y3
y4
y2
y3−NH3
b3
b3−H2O
b4−H2O
b4
b5
b5−H2O
b6
y6
b7
b2
y1

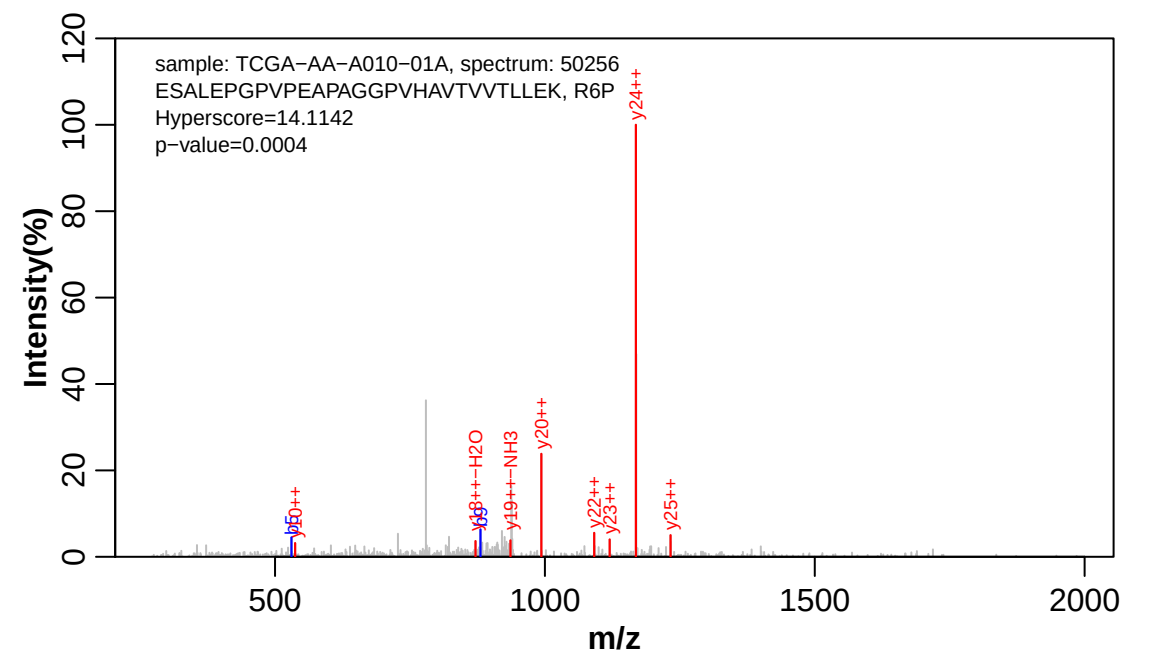

sample: TCGA−AA−A010−01A, spectrum: 34347
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=68.4530
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

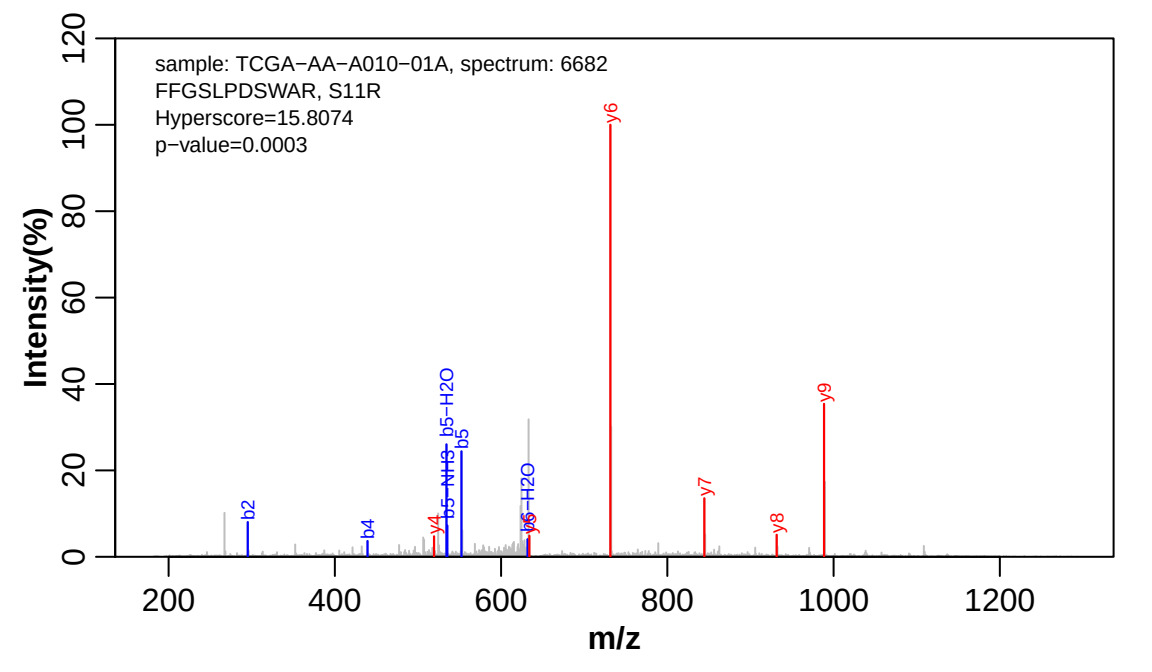

sample: TCGA−AA−A010−01A, spectrum: 88041
EHTLHLEAELEK, S4L
Hyperscore=23.3766
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2−H2O
b2
b5++−H2O
y3
y7++−H2O
b9++−H2O
y9++
y10++
y6
y7

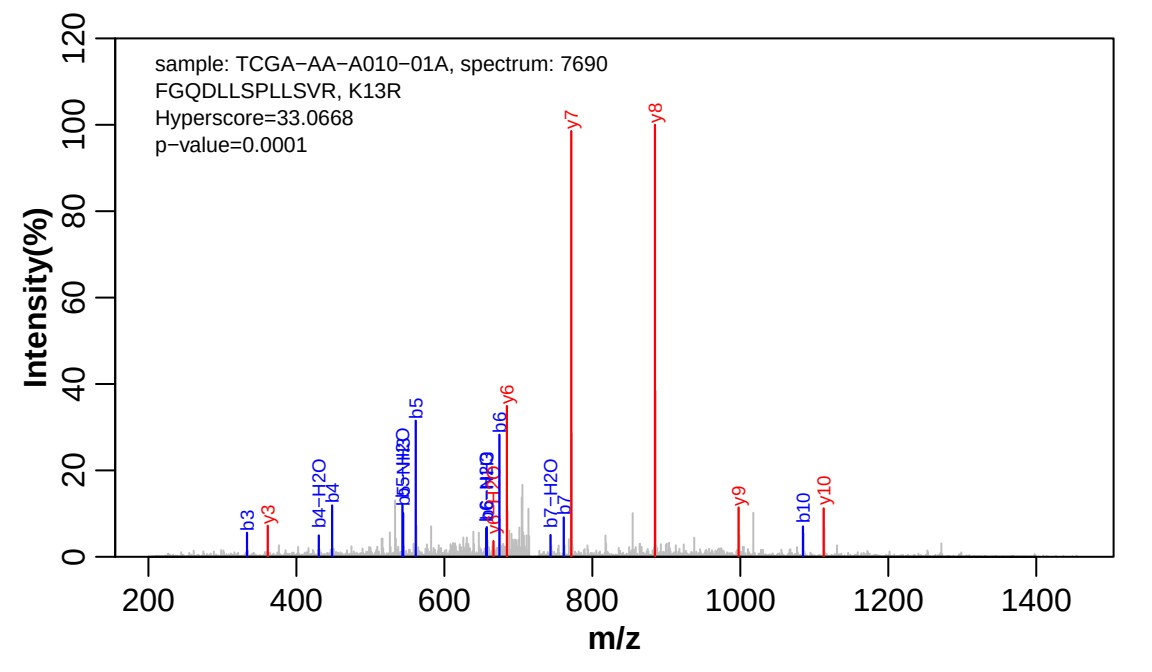

sample: TCGA−AA−A010−01A, spectrum: 102781
ELELMQLLTR, D1E
Hyperscore=40.2009
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y2
y3
y4
y5
y7
y8
b2−H2O
b2
y2−H2O
b3−NH3
b3−H2O
b3
b4−H2O
b4−NH3
b4
y4−H2O
b5−H2O
b5−NH3
b5
y5−NH3
y5−H2O
b6−NH3
b6−H2O
y6−NH3
y6−H2O
b7−H2O
b7−NH3
b7
b8−H2O
b8−NH3
b8
b9−H2O
b9

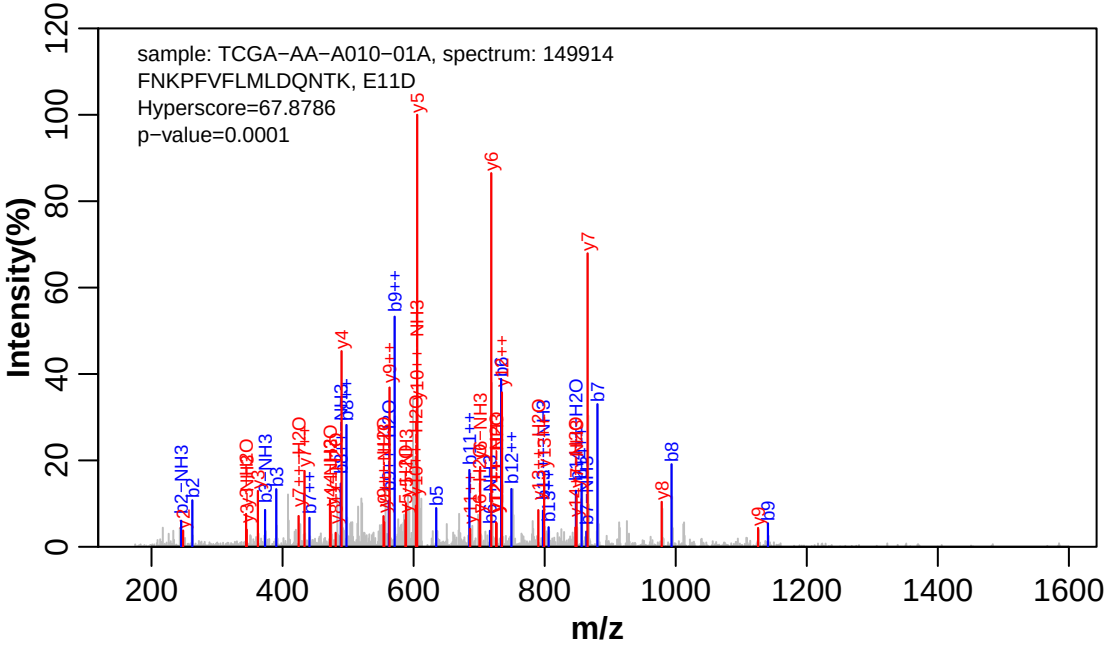

sample: TCGA−AA−A010−01A, spectrum: 66805
ELVDDSLNNVR, V7I
Hyperscore=40.1517
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
y5
y6−NH3
y6
b7−H2O
b7
y7−H2O
y7
y8
y9
b9
b10−H2O
b10

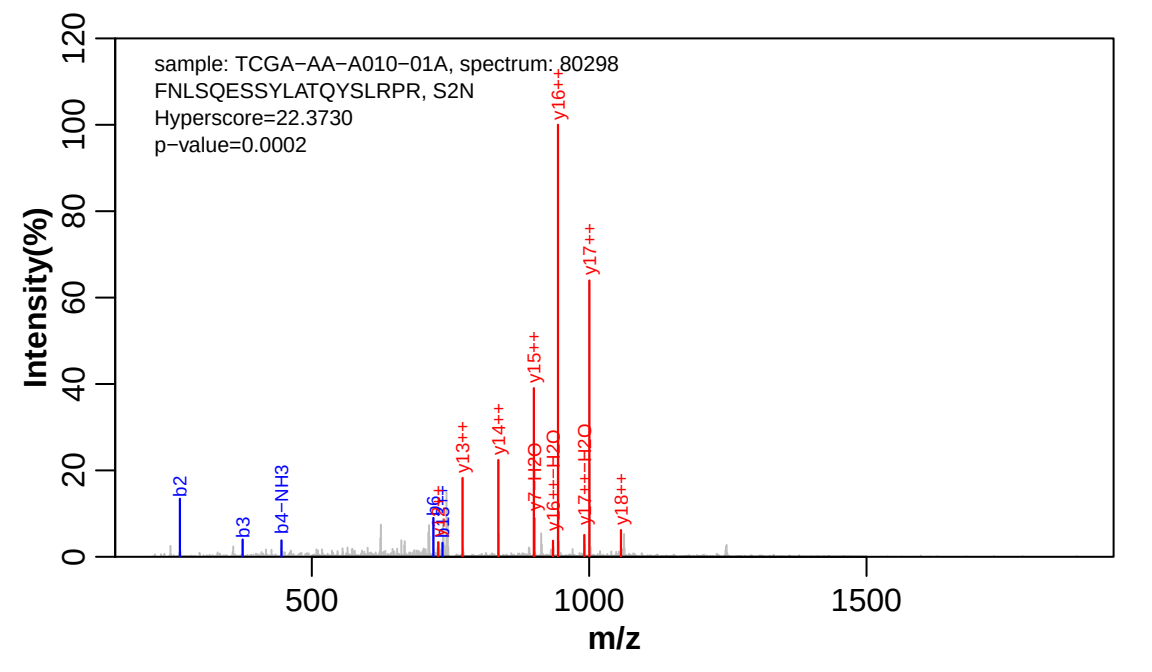

sample: TCGA−AA−A010−01A, spectrum: 16266
EPSAPSLPTPAYQSLPAGGHAPTPPTPAPR, S15L
Hyperscore=17.0242
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4−H2O
b7−H2O
b7
y15++
b8−H2O
y9
b20++−NH3
y10
y21++
y23++−H2O
y11
y24++
y26++
y15

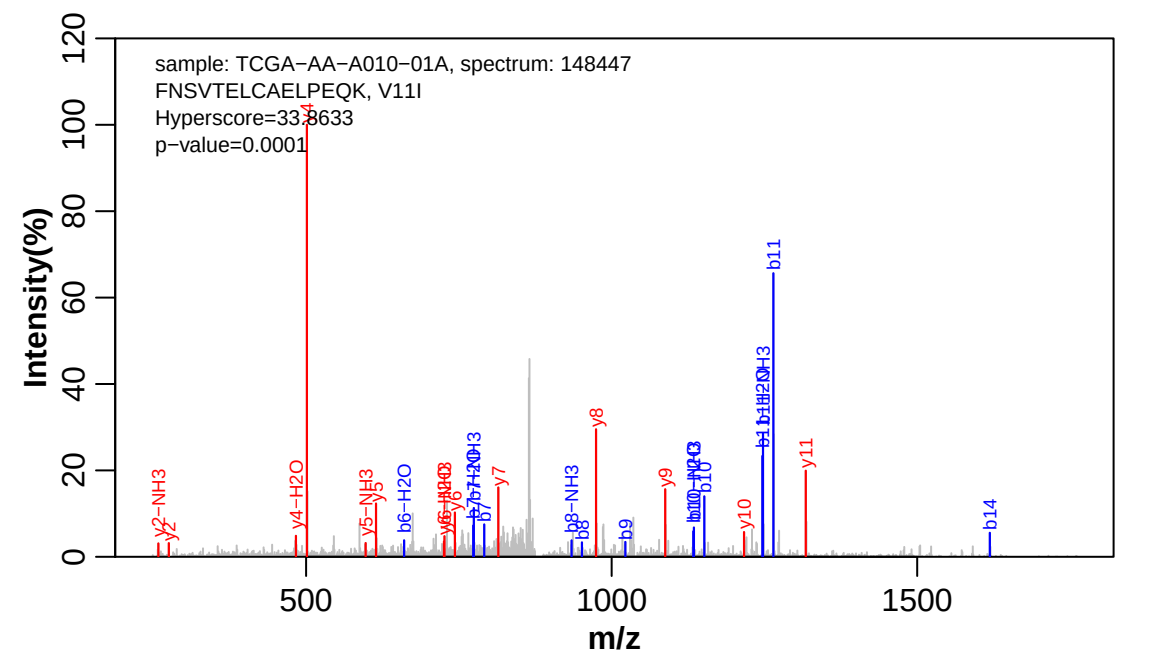

sample: TCGA−AA−A010−01A, spectrum: 50256
ESALEPGPVPEAPAGGPVHAVTVVTLLEK, R6P
Hyperscore=14.1142
p−value=0.0004
y24++
y20++
y19++−NH3
y18++−H2O
y22++
y23++
y25++
y10++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

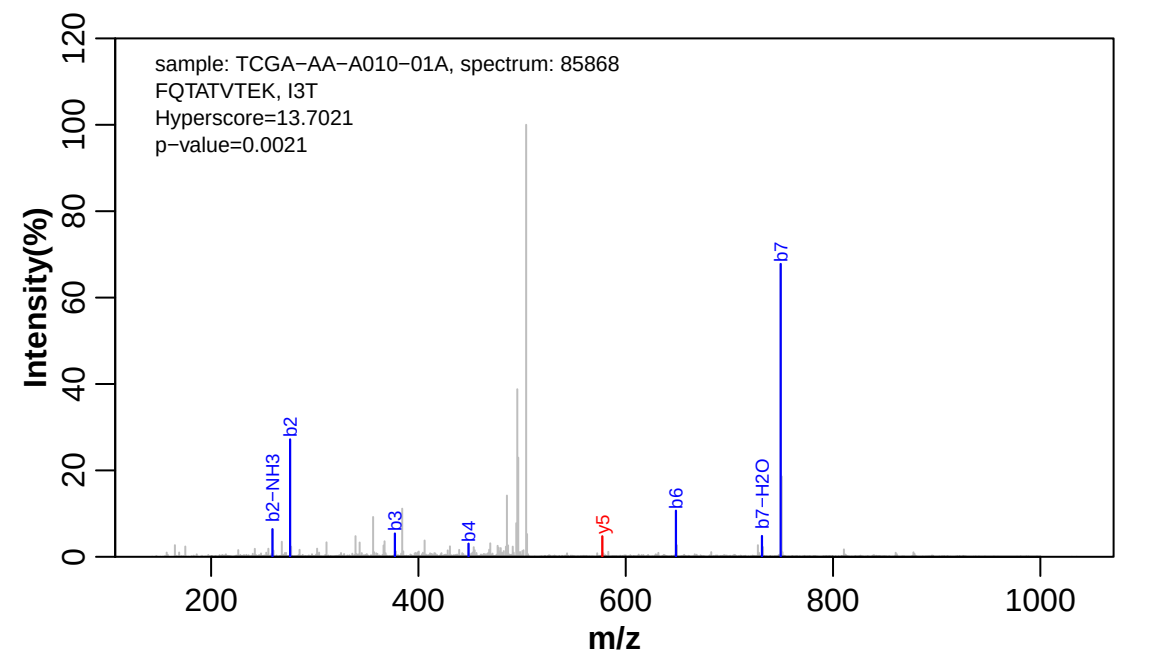

sample: TCGA−AA−A010−01A, spectrum: 6682
FFGSLPDSWAR, S11R
Hyperscore=15.8074
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
y6−H2O
y6
y7
y8
y9

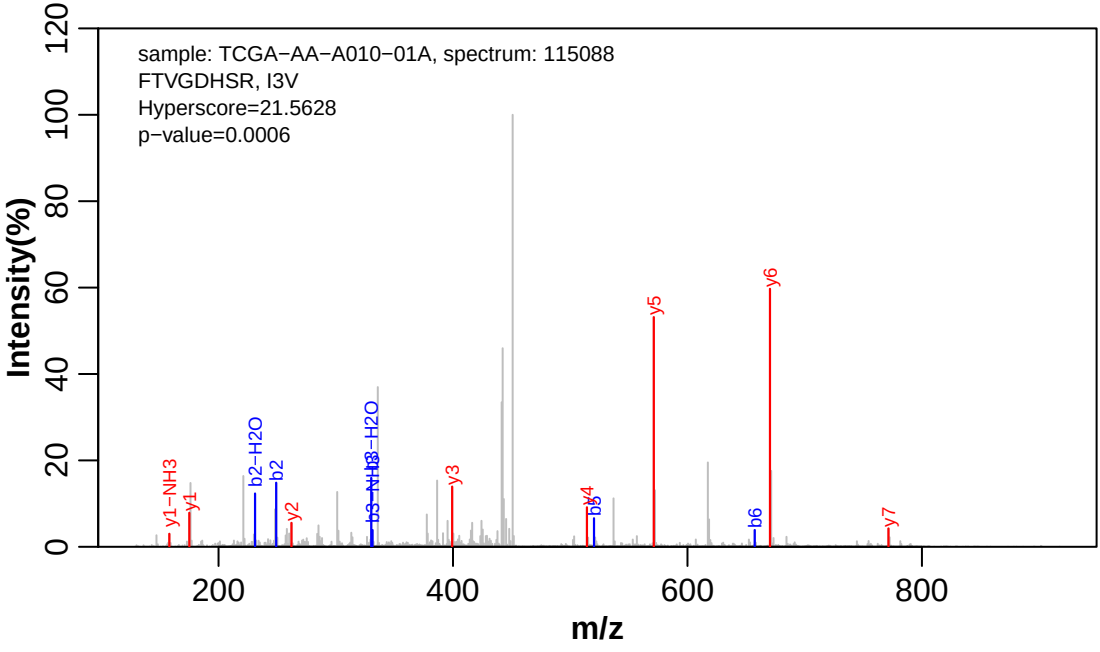

sample: TCGA−AA−A010−01A, spectrum: 7690
FGQDLLSPLLSVR, K13R
Hyperscore=33.0668
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5−NH3
b5−H2O
b5
y6
b6
b7−H2O
b7
y9
b10
y10
y7
y8

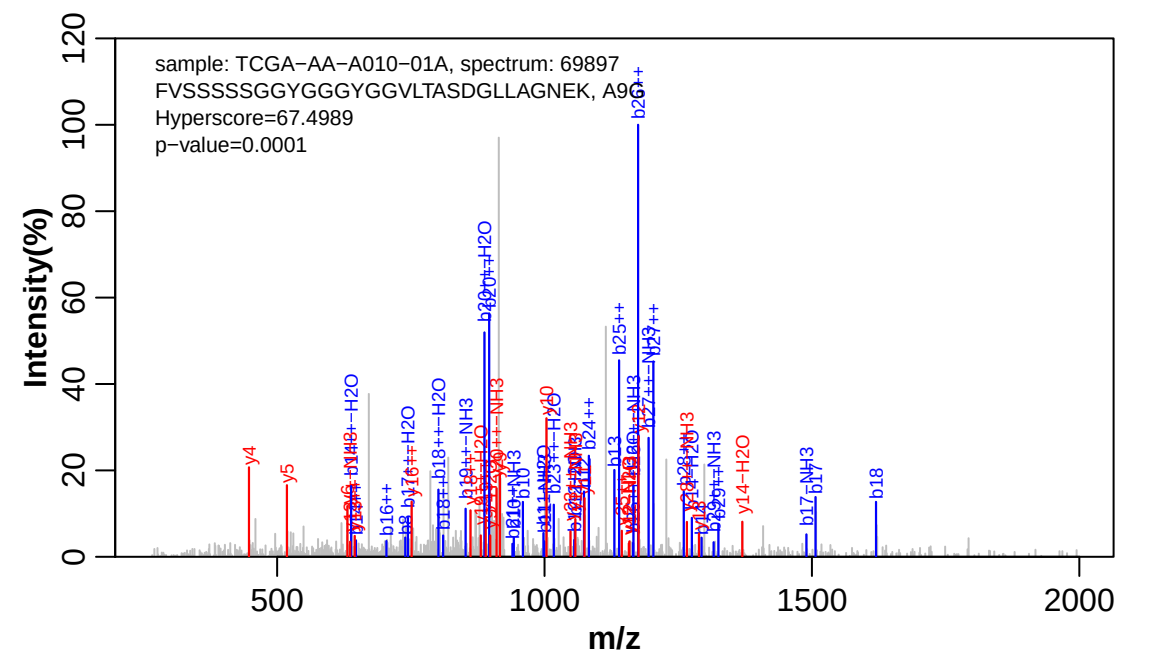

sample: TCGA−AA−A010−01A, spectrum: 149914
FNKPFVFLMLDQNTK, E11D
Hyperscore=67.8786
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
y4
b9++
b8
b7
b6
b5
b3
b2
y2
y8
y9
b9
b8++
b12++
y10++ NH3
y9++
b11++
y7++ H2O
y7++ NH3
b7++ H2O
b7++ NH3
b2 NH3
b3 NH3
y2 NH3
y2 H2O
y8 NH3
y8 H2O
b8 NH3
b8 H2O
b7 NH3
b7 H2O

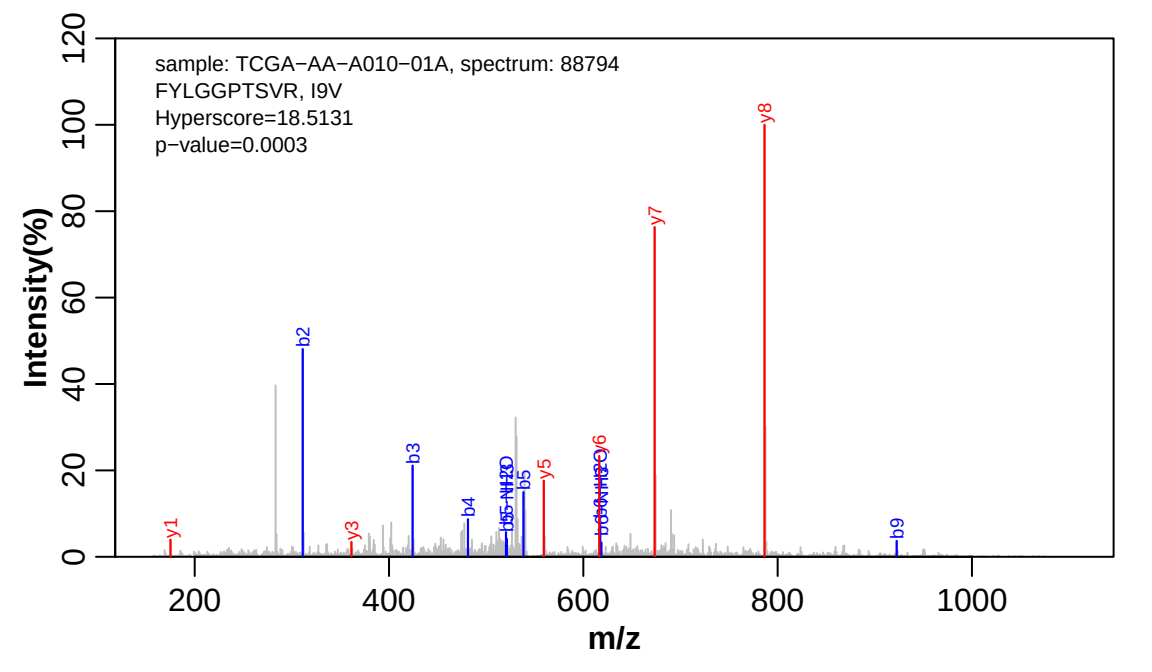

sample: TCGA−AA−A010−01A, spectrum: 80298
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=22.3730
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
b3
b4−NH3
b6
y13++
y14++
y15++
y7−H2O
y16++−H2O
y16++
y17++−H2O
y17++
y18++

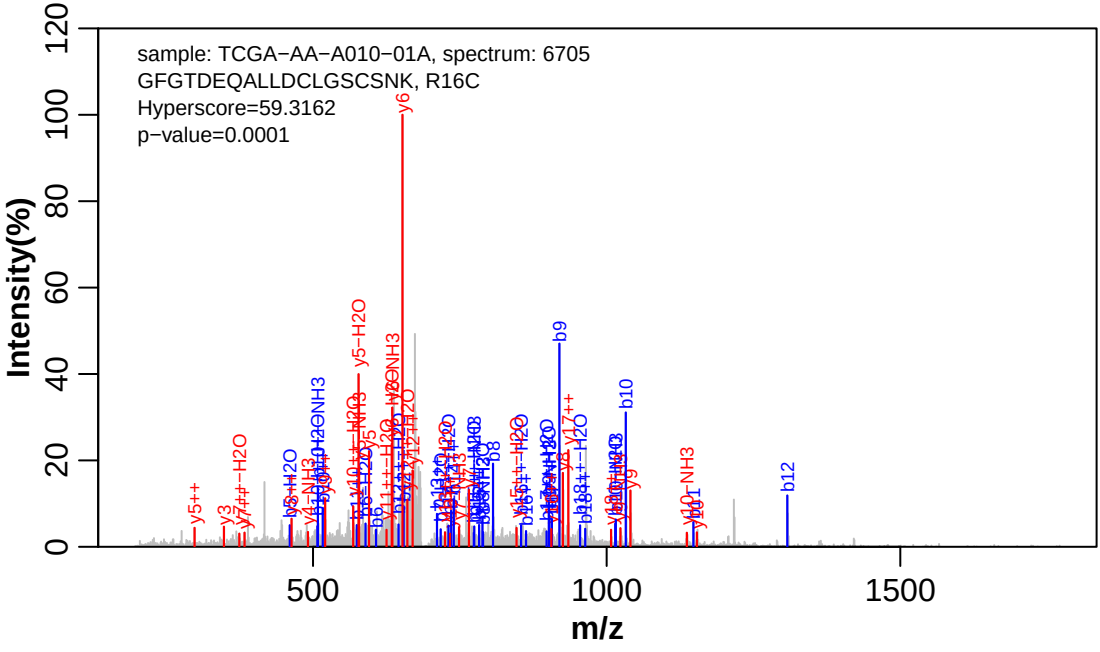

sample: TCGA−AA−A010−01A, spectrum: 148447
FNSVTELCAELPEQK, V11I
Hyperscore=33.8633
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2−NH3
y2
y4−H2O
y4
y5−NH3
y5
b6−H2O
y6
y7
b7−NH3
b7
b8−NH3
b8
y8
b9
y9
b10
y10
b11
y11
b14

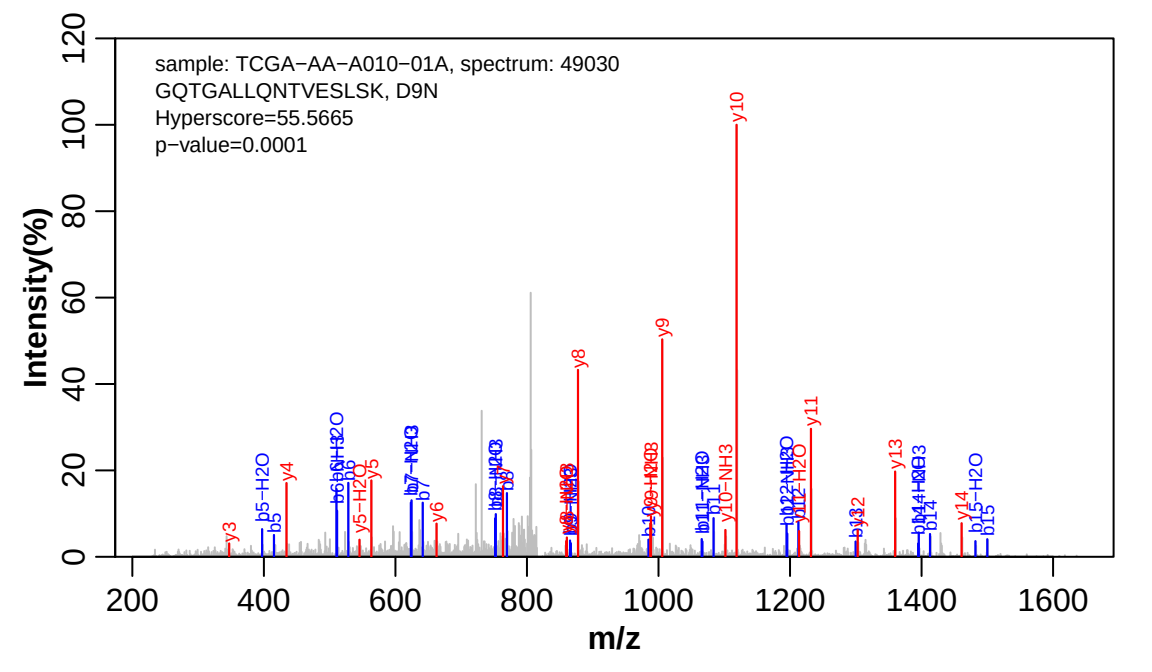

sample: TCGA−AA−A010−01A, spectrum: 85868
FQTATVTEK, I3T
Hyperscore=13.7021
p−value=0.0021
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2−NH3
b2
b3
b4
y5
b6
b7−H2O
b7

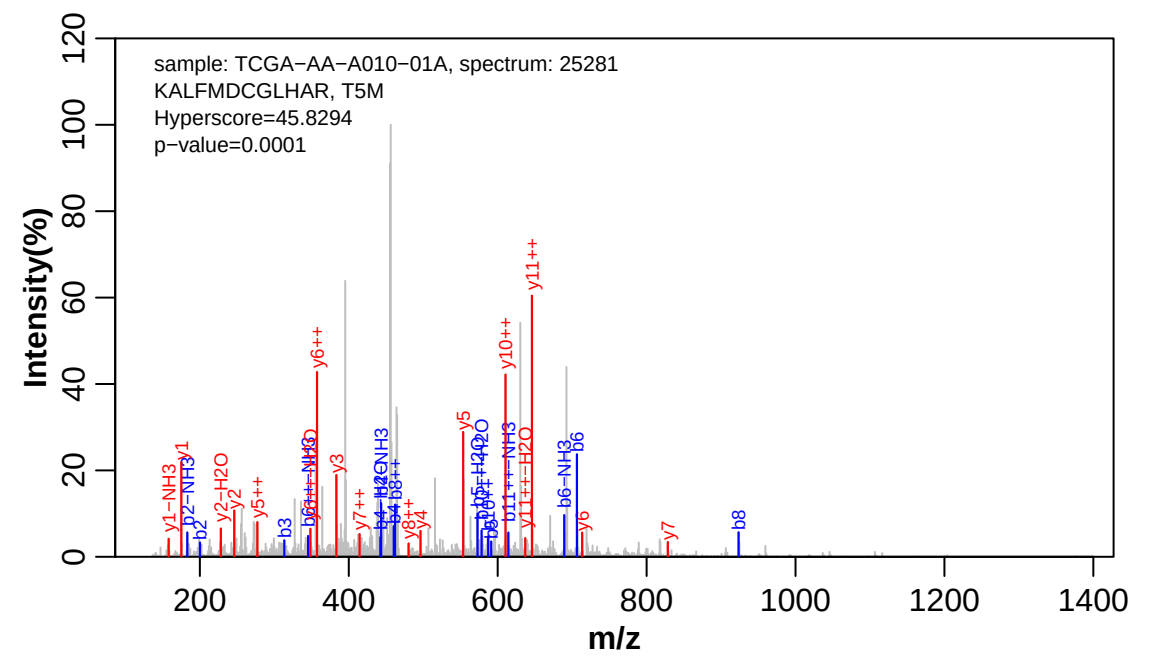

sample: TCGA−AA−A010−01A, spectrum: 115088
FTVGDHSR, I3V
Hyperscore=21.5628
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2−H2O
b2
y2
b3−NH3
b3−H2O
y3
y4
b5
y5
b6
y6
y7

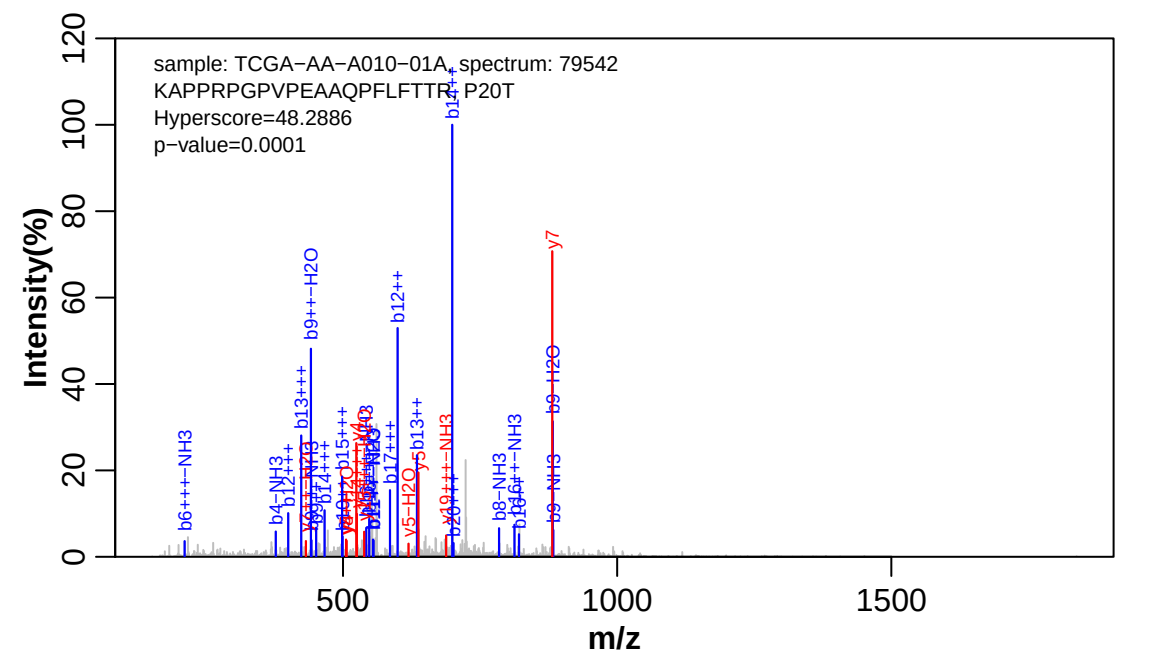

sample: TCGA−AA−A010−01A, spectrum: 69897
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=67.4989
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
y5
b16++
b18++−H2O
b18++−NH3
b10
b24++
b13
b25++
b27++−NH3
b26++
y14−H2O
b17−NH3
b17
b18

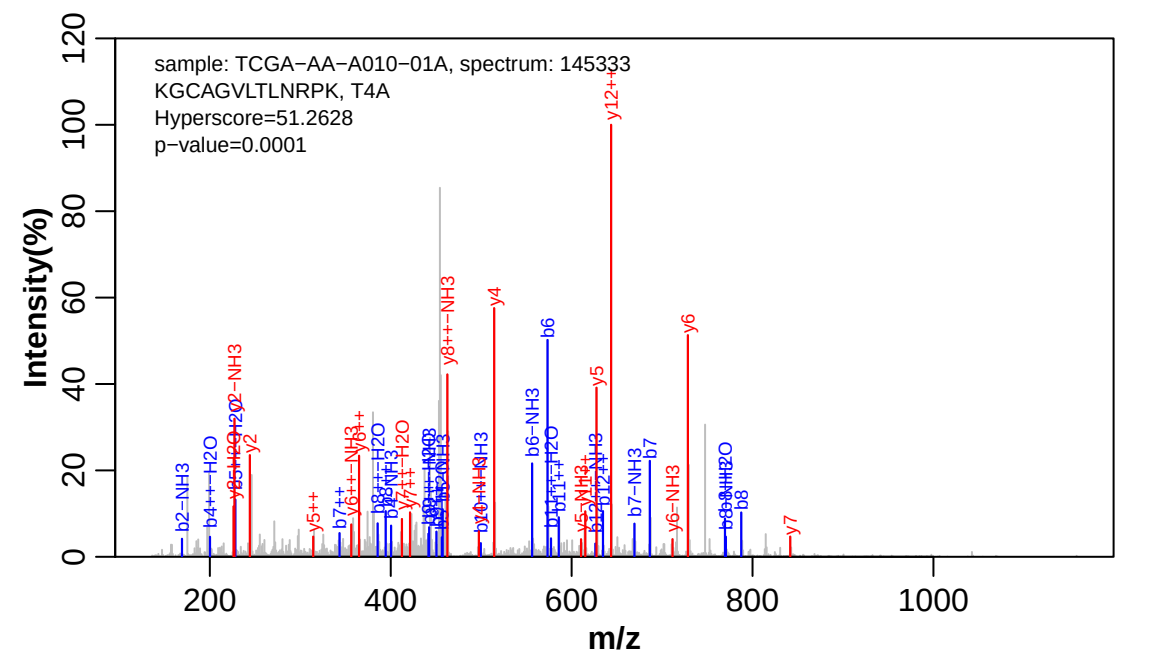

sample: TCGA−AA−A010−01A, spectrum: 88794
FYLGGPTSVR, I9V
Hyperscore=18.5131
p−value=0.0003
Intensity(%)
m/z
y1
b2
y3
b3
b4
b5
y5
y7
y8
b9
0
20
40
60
80
100
120
200
400
600
800
1000

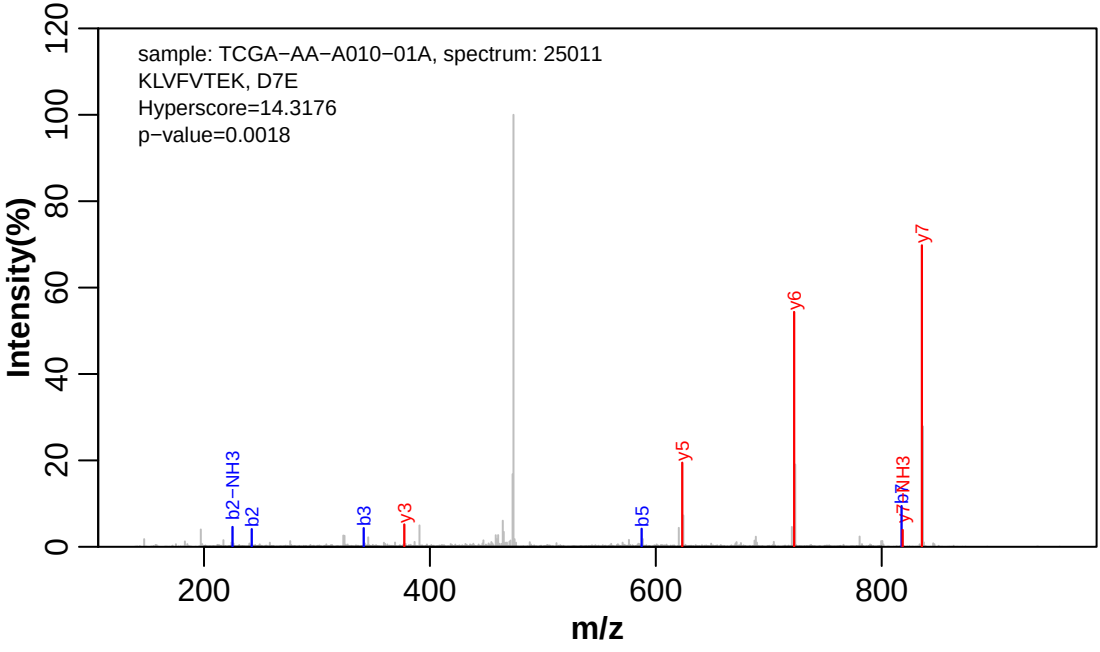

sample: TCGA−AA−A010−01A, spectrum: 6705
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=59.3162
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
y5−NH3
b9
b10
b12
y5++
y3
y7++−H2O
b5−H2O
b5−NH3
y9
y10−NH3
y11
y7++
b8
b18++−H2O

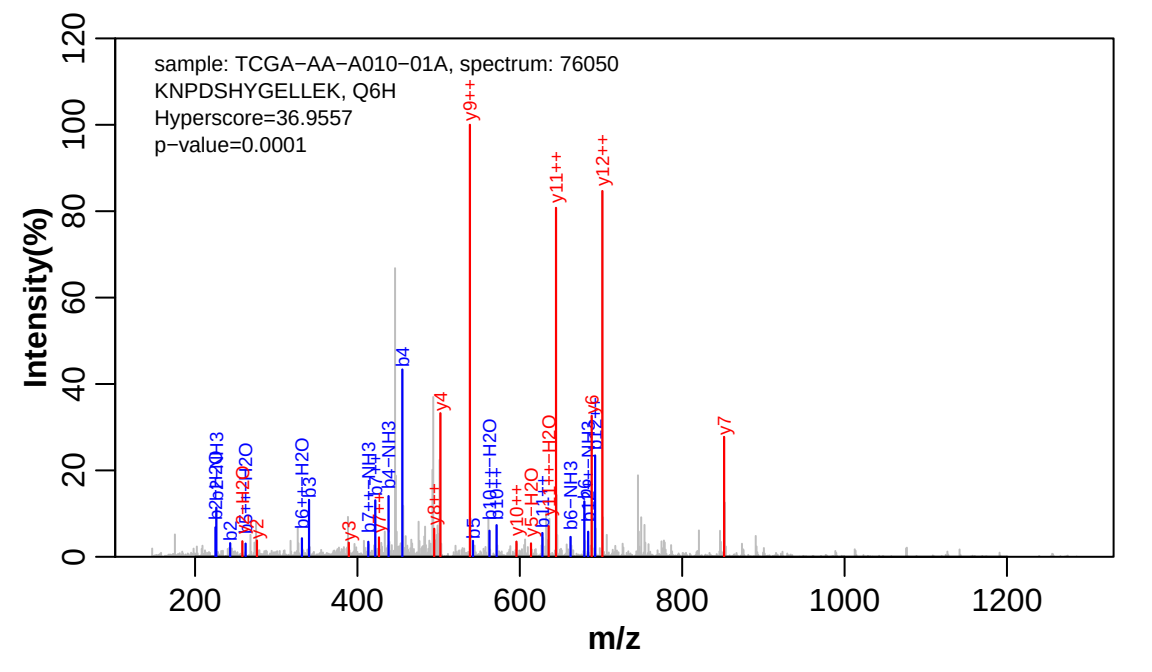

sample: TCGA−AA−A010−01A, spectrum: 49030
GQTGALLQNTVESLSK, D9N
Hyperscore=55.5665
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y4
y5
y6
y3
y14
b5−H2O
b5
b6
b7
b8
b15−H2O
b15
y10−NH3
y5−H2O

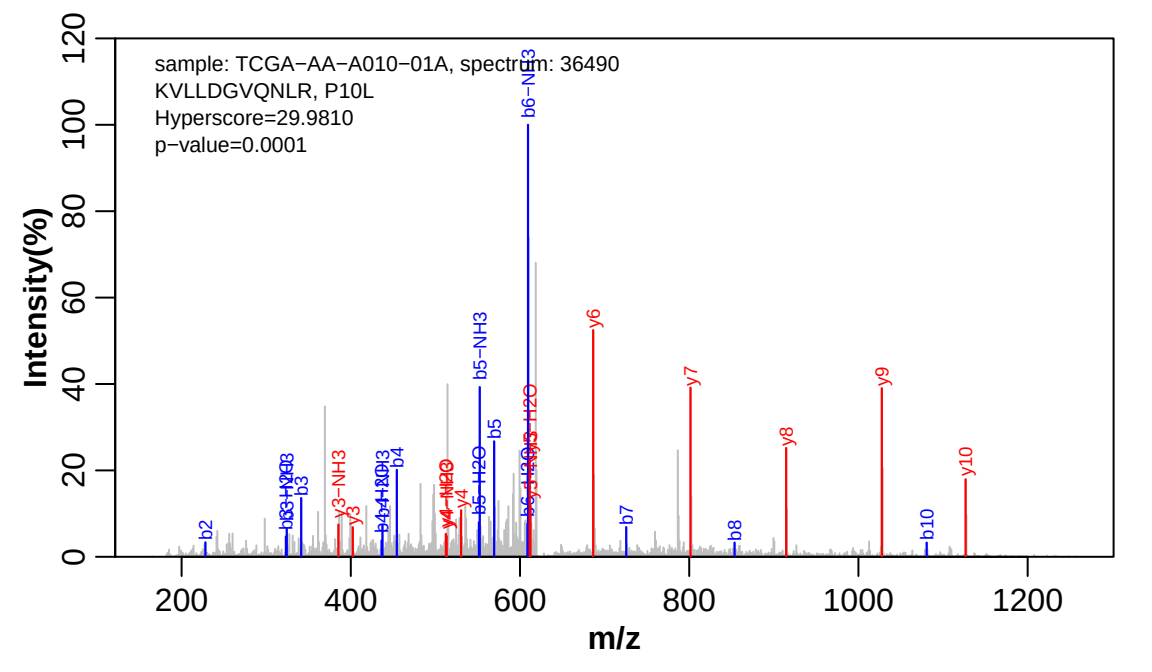

sample: TCGA−AA−A010−01A, spectrum: 25281
KALFMDCGLHAR, T5M
Hyperscore=45.8294
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y1−NH3
b2−NH3
y1
b2
y2−H2O
y2
y5++
b3
y6++
y3
y7++
y8++
y4
y5
y10++
y11++
y11++−H2O
b6−NH3
b6
y6
y7
b8

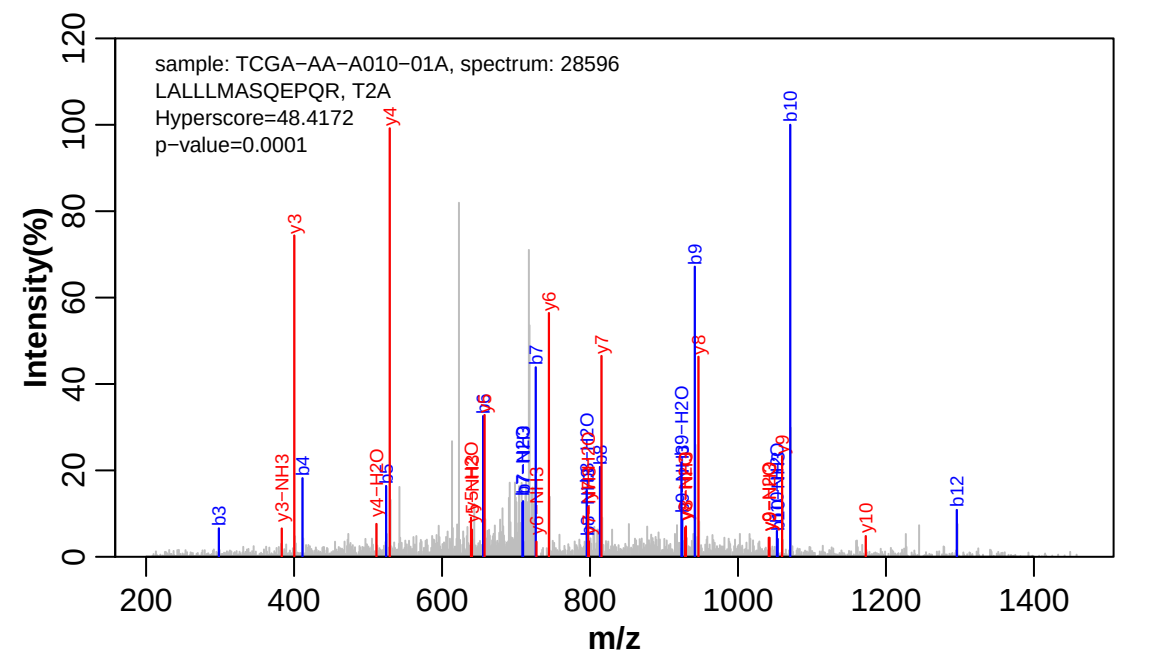

sample: TCGA−AA−A010−01A, spectrum: 79542
KAPPRPGPVPEAAQPFLFTTR, P20T
Hyperscore=48.2886
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b14++
y7
b9++−H2O
b12++
b13+++
b9−H2O
b9−NH3
b6+++−NH3
b4−NH3
b12+++
b14+++
b15+++
b17+++
y5−H2O
y5
b13++
y19+++−NH3
b8−NH3
b16++−NH3

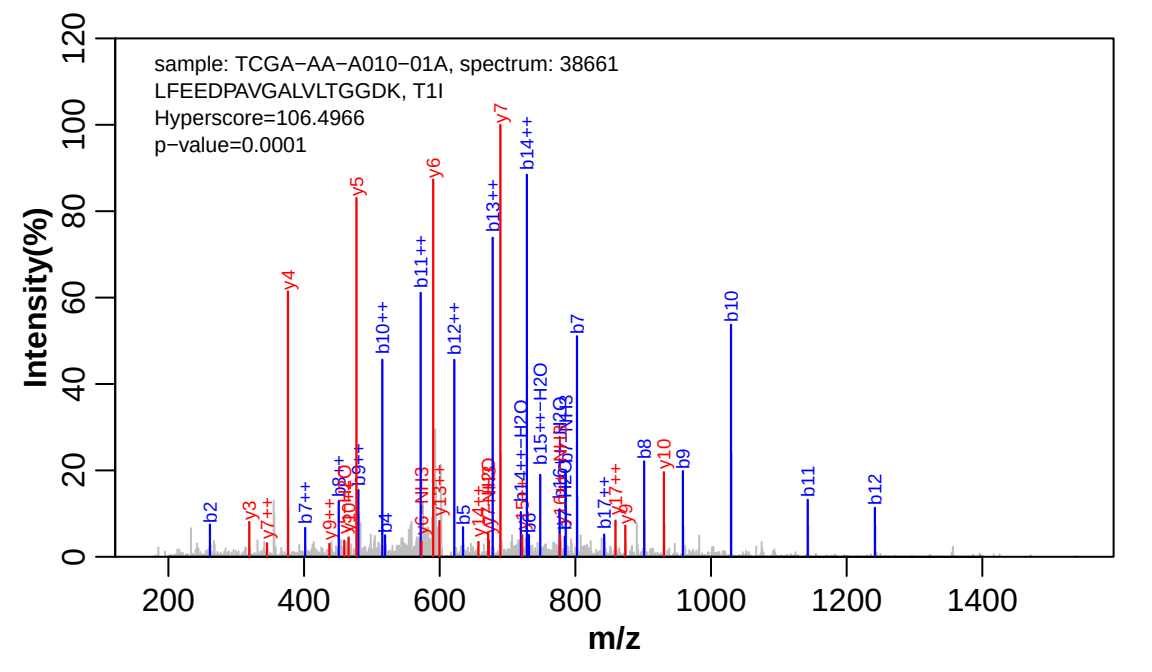

sample: TCGA−AA−A010−01A, spectrum: 145333
KGCAGVLTLNRPK, T4A
Hyperscore=51.2628
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y12++
y8++−NH3
y4
b6
y6
y5
b6−NH3
b7
b7−NH3
y6−NH3
y7
b8
y2
y2−NH3
b2−NH3
b4++−H2O
y5++
b7++
y6++−NH3
y6
b8++−H2O
b8++−NH3
y7++−H2O
b10++−NH3
b11++−H2O
b12++−NH3
y5−NH3
b12++
b8−H2O
b8−NH3

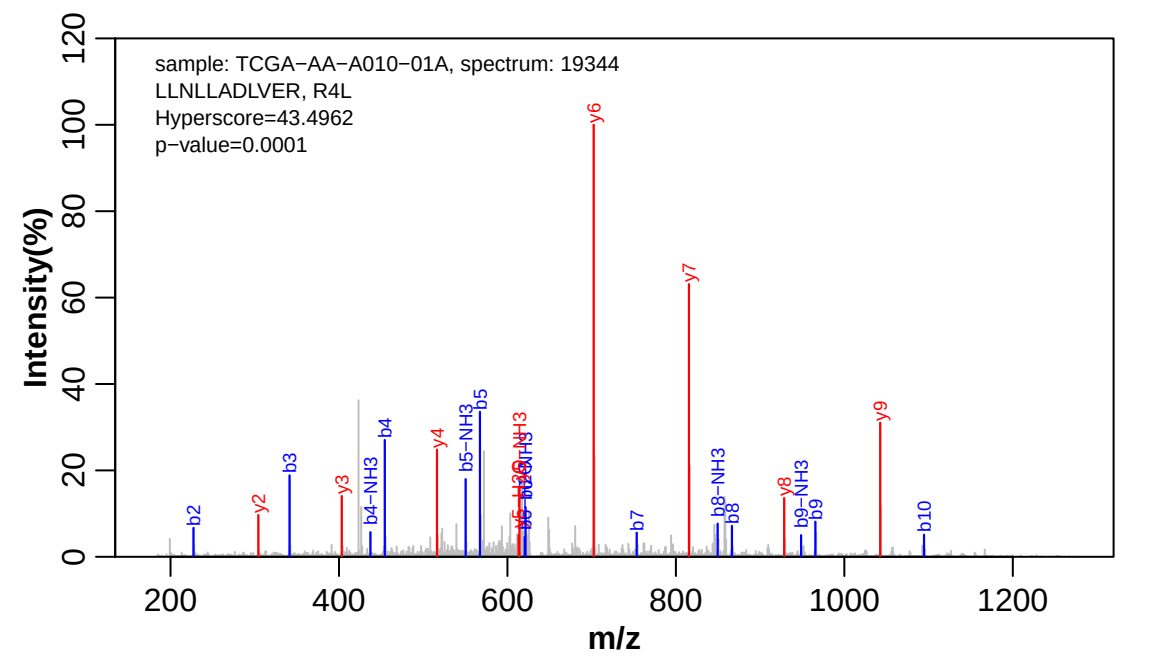

sample: TCGA−AA−A010−01A, spectrum: 25011
KLVFVTEK, D7E
Hyperscore=14.3176
p−value=0.0018
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2−NH3
b2
b3
y3
b5
y5
y6
y7
y7−NH3

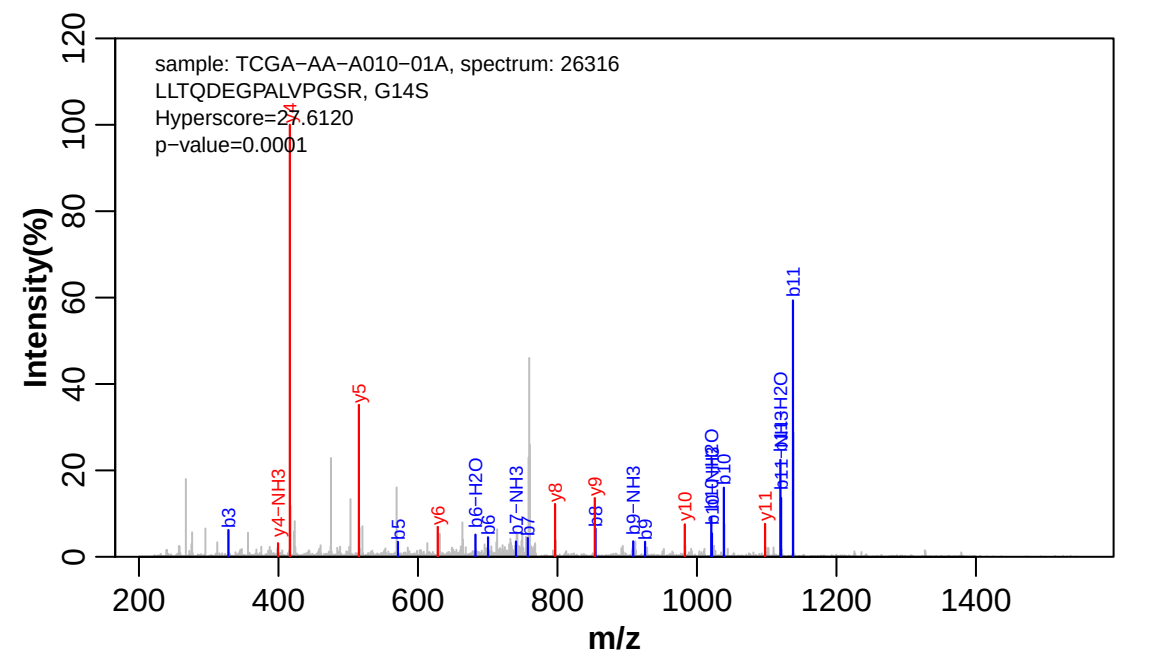

sample: TCGA−AA−A010−01A, spectrum: 76050
KNPDSHYGELLEK, Q6H
Hyperscore=36.9557
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y9++
y11++
y12++
y7
b4
y4
y8++
b5
y10++
y5−H2O
y11++−H2O
b6−NH3
b6−NH3−y6
y3
b3
b6++−H2O
b4−NH3
b2
y2
b2−H2O−NH3
b2−H2O
y3−H2O
y3−NH3
y7++−NH3
y7++−H2O
b10++−H2O

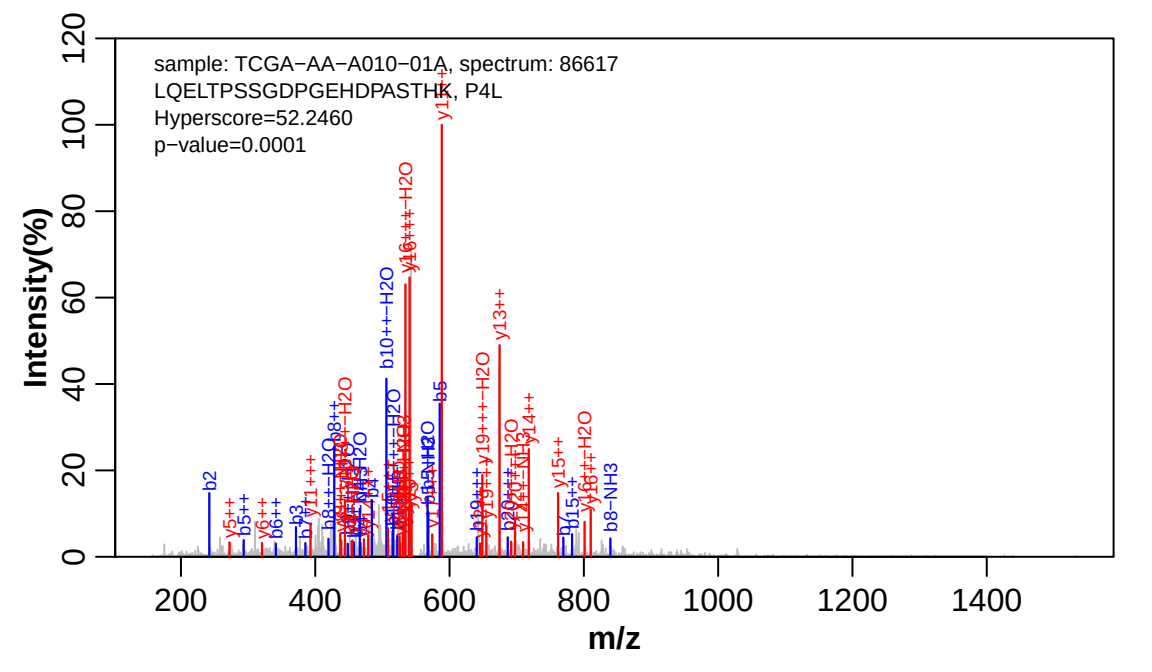

sample: TCGA−AA−A010−01A, spectrum: 36490
KVLLDGVQNLR, P10L
Hyperscore=29.9810
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b6−NH3
y6
b5−NH3
y7
y9
y8
y10
b5
b7
b8
b10
b4
y3−NH3
y3
b2
b3

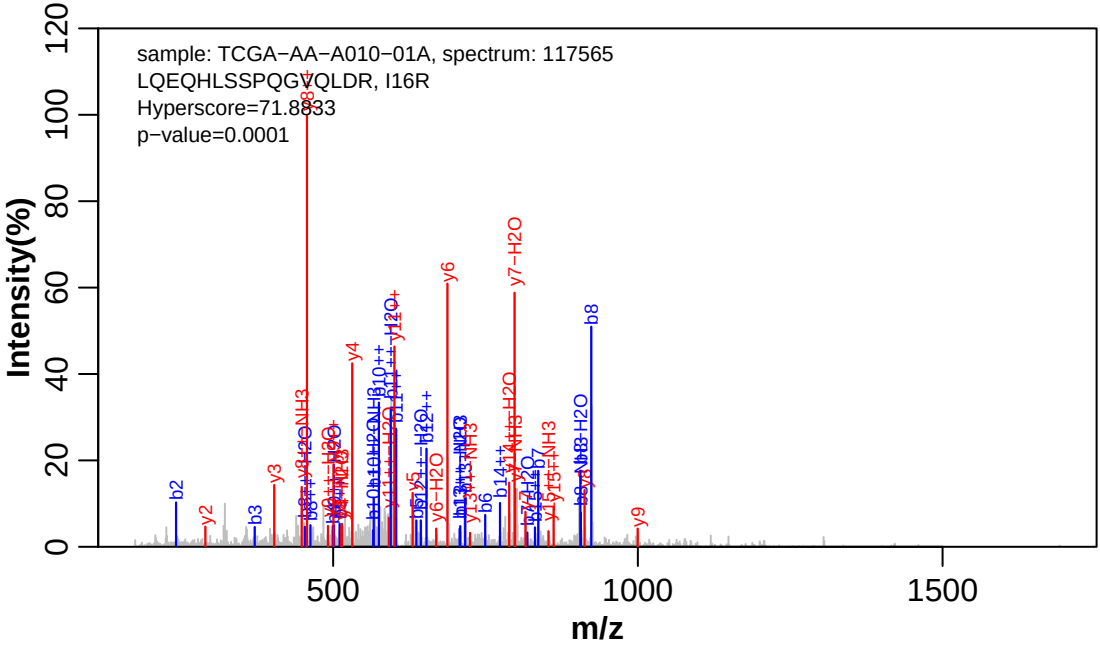

sample: TCGA−AA−A010−01A, spectrum: 28596
LALLLMASQEPQR, T2A
Hyperscore=48.4172
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3−NH3
y3
b4
y4−H2O
y4
b5
y5−NH3
y5−H2O
b6
b7−H2O
b7−NH3
b7
y6−NH3
y6
y7
b8
b9
y8
b10
y10
b12

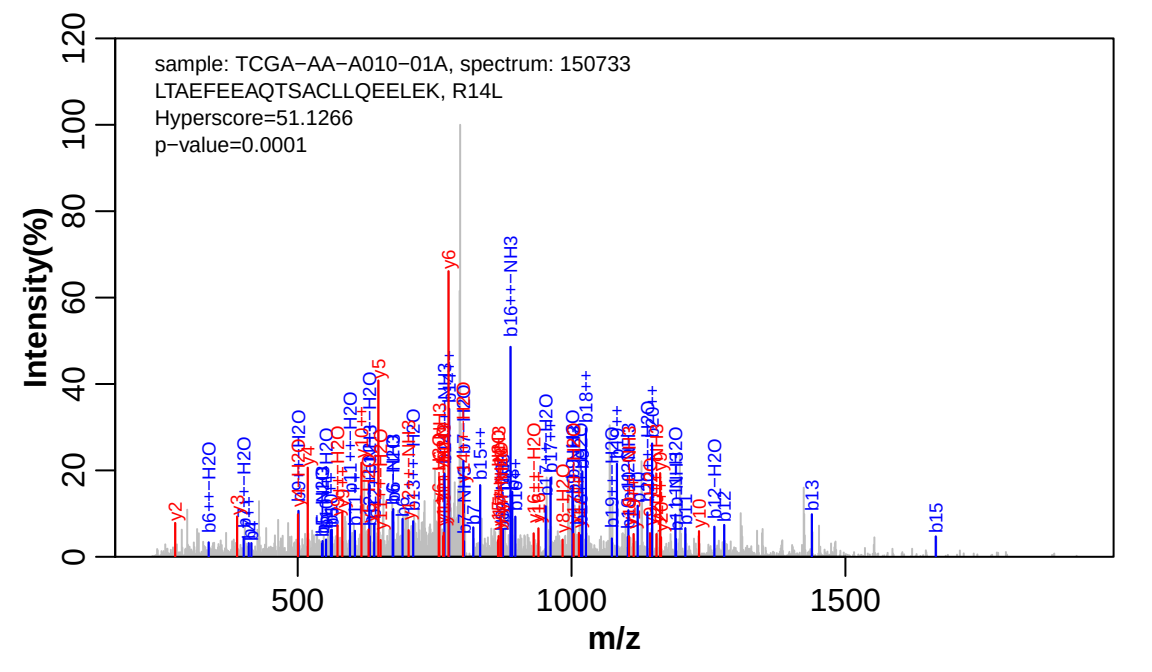

sample: TCGA−AA−A010−01A, spectrum: 38661
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=106.4966
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y7++
y4
b7++
y9++
b8++
y10−H2O
b9++
b4
y6−NH3
y13++
b10++
y5
b11++
y6
b12++
b5
y7
b13++
y8
b14++−H2O
b15++−H2O
b8
b14++
b16++−NH3
b7
b17++
y9
y17++
b8
y10
b9
b7
b10
b11
b12

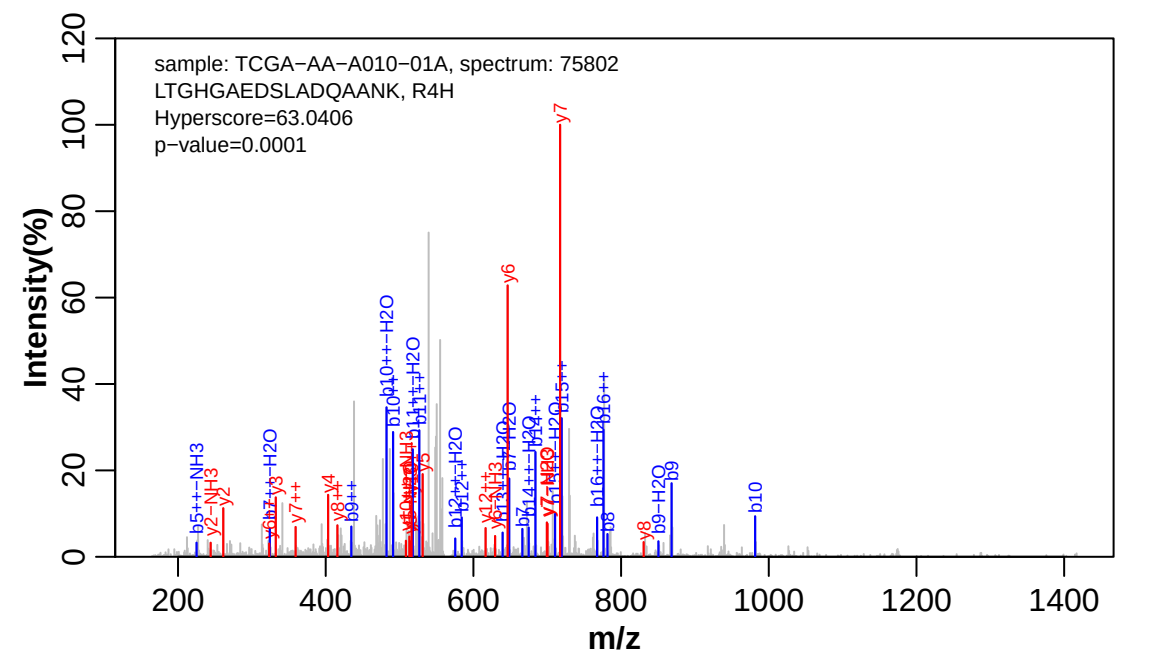

sample: TCGA−AA−A010−01A, spectrum: 19344
LLNLLADLVER, R4L
Hyperscore=43.4962
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y4
y3
y2
b2
b3
b4
b4−NH3
b5
b5−NH3
b7
b8
b8−NH3
y8
b9
b9−NH3
b10

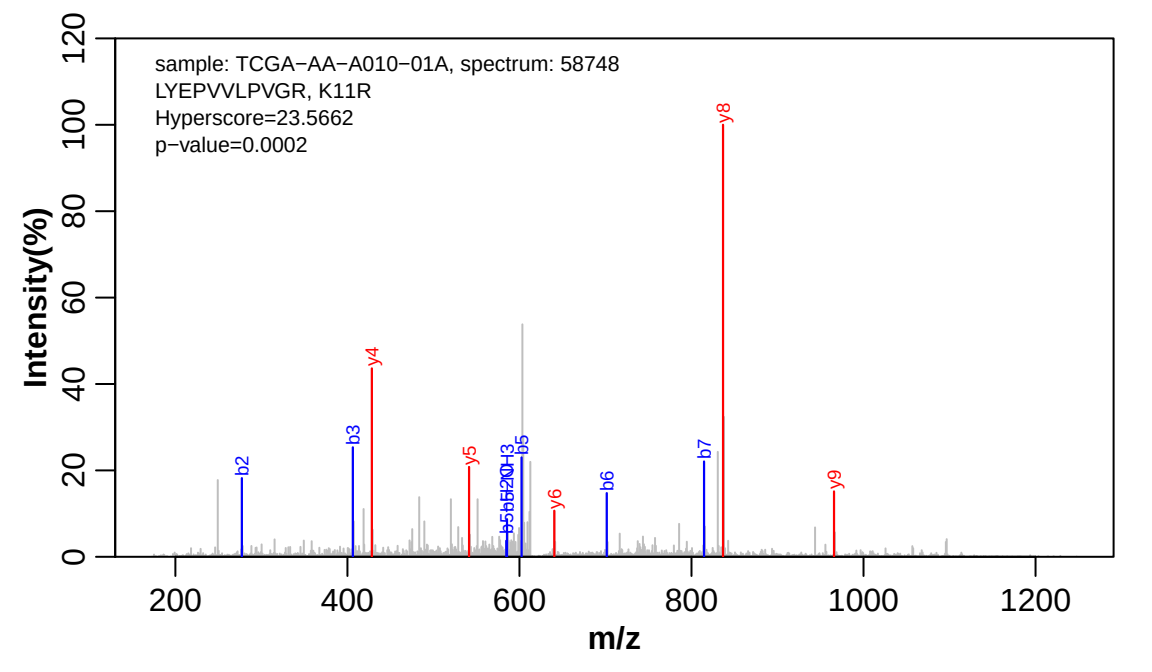

sample: TCGA−AA−A010−01A, spectrum: 26316
LLTQDEGPALVPGSR, G14S
Hyperscore=27.6120
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y4−NH3
y4
y5
b5
y6
b6−H2O
b6
b7−NH3
b7
y8
b8−y9
b9−NH3
b9
y10
b10
y11
b11
b11−NH3−H2O

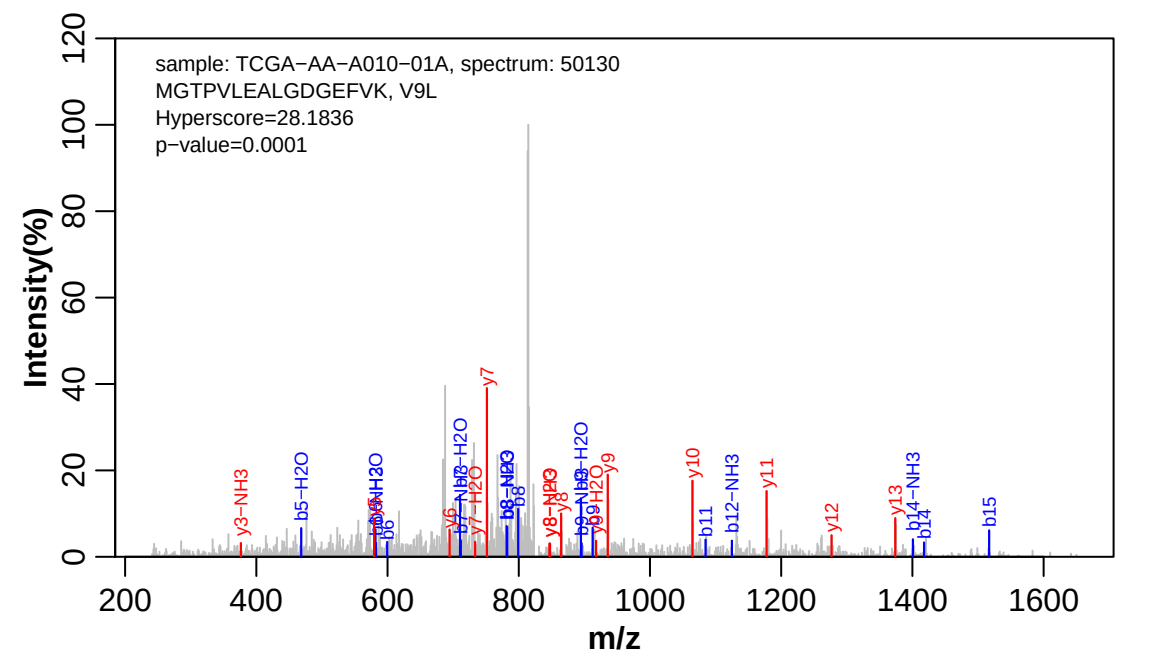

sample: TCGA−AA−A010−01A, spectrum: 86617
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=52.2460
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y5++
b5++
y6++
b6++
b3
b7
y11+++
y15++
y16++−H2O
b8−NH3
y13++
y14++
b5
y16+++−H2O
b10++−H2O

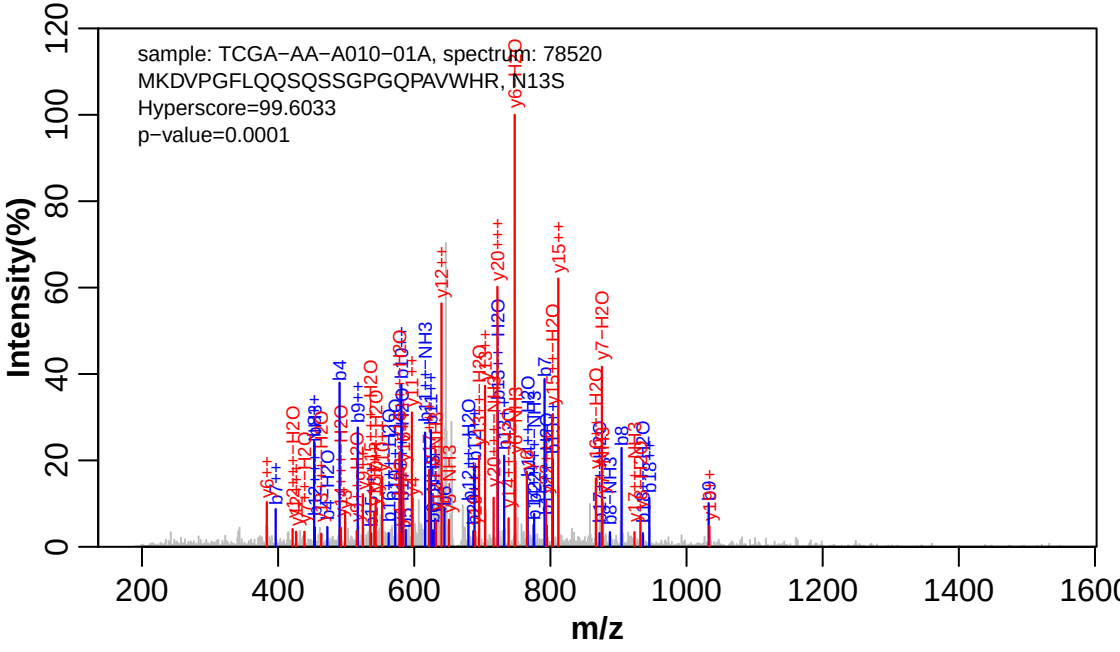

sample: TCGA−AA−A010−01A, spectrum: 117565
LQEQHLSSPQGVQLDR, I16R
Hyperscore=71.8833
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
b3
y3
y4
y6
y6−H2O
y7−H2O
b8
y9

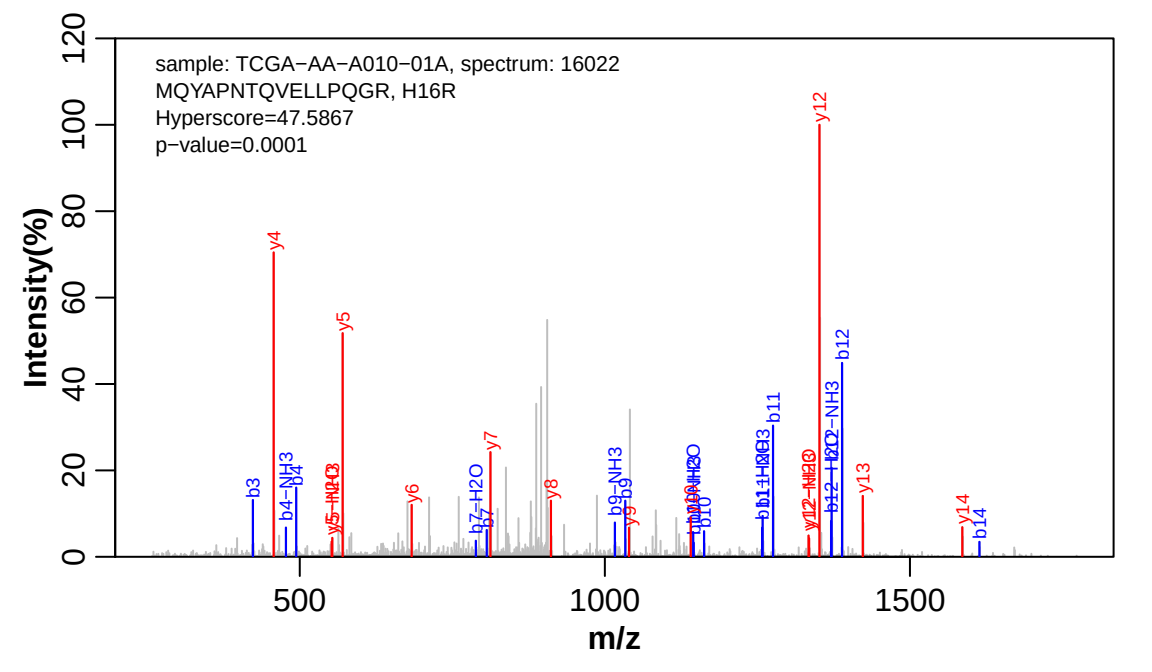

sample: TCGA−AA−A010−01A, spectrum: 150733
LTAEFEEAQTSACLLQEELEK, R14L
Hyperscore=51.1266
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b6++−H2O
y3
y3++−H2O
y4
y5
y6
y6++−NH3
b13
b15
b16++−NH3
b18++
y10
b12−H2O

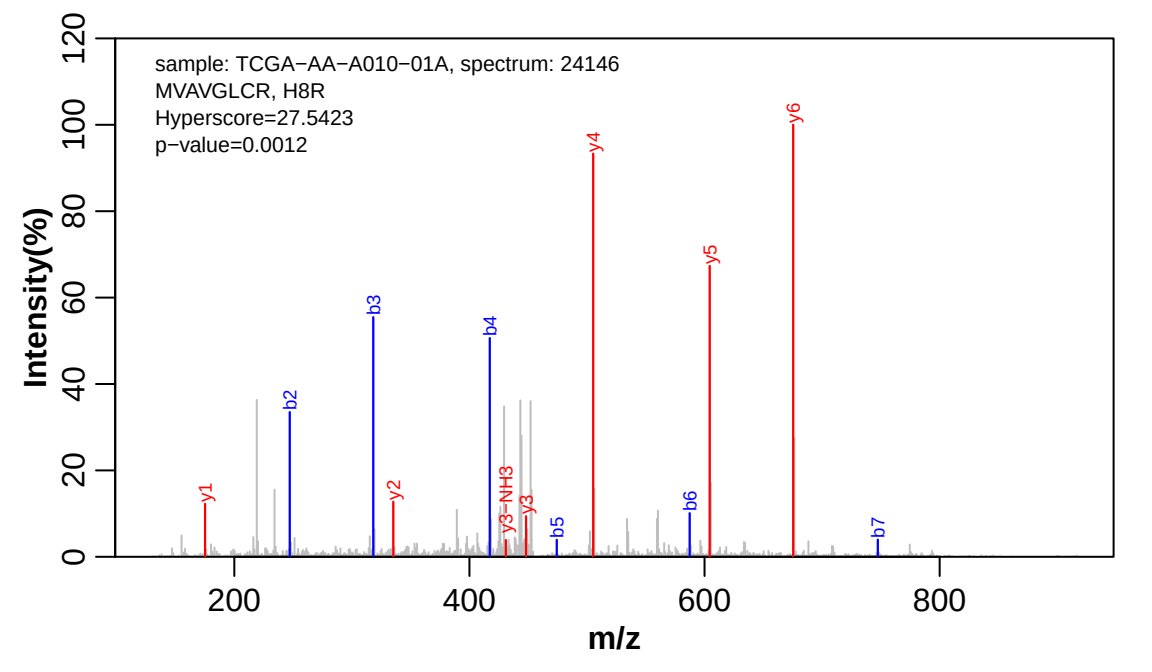

sample: TCGA−AA−A010−01A, spectrum: 75802
LTGHGAEDSLADQAANK, R4H
Hyperscore=63.0406
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y6
b10++−H2O
b10++
b11++−H2O
b11++
y5
b12++−H2O
b12++
b15++
b16++−H2O
b16++
b9
b9−H2O
b10
y8
b8
y7++
y6b7−H2O
y8++
y4
b9++
b5++−NH3
y2−NH3
y2

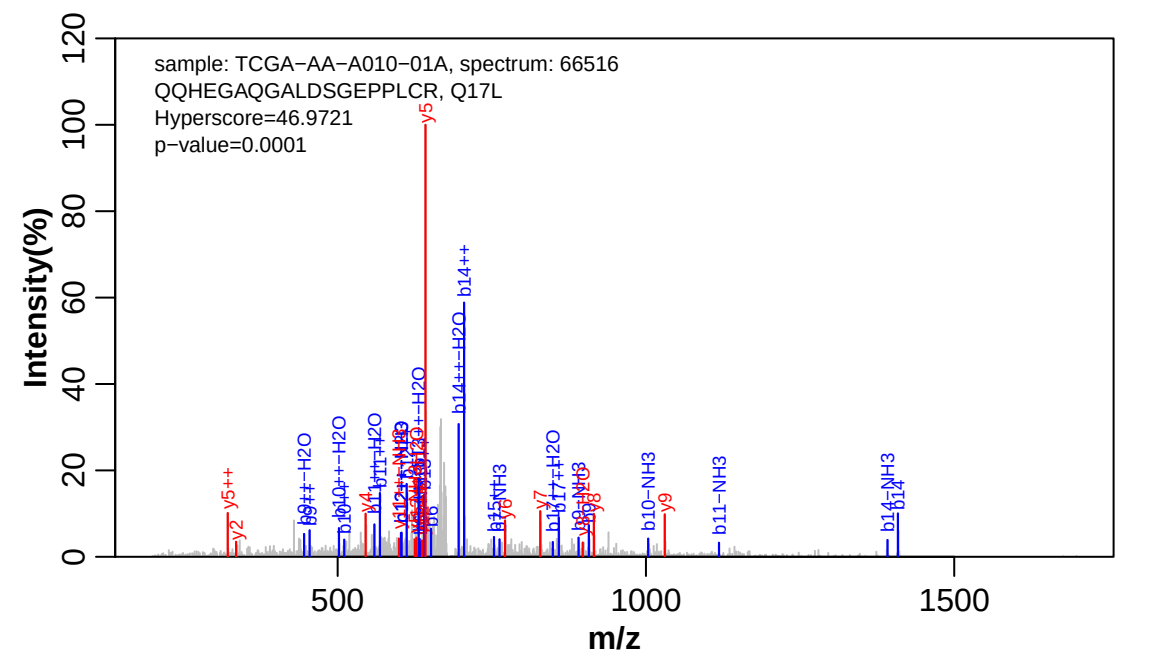

sample: TCGA−AA−A010−01A, spectrum: 58748
LYEPVVLPVGR, K11R
Hyperscore=23.5662
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y4
y5
b5
y6
b6
b7
y8
y9

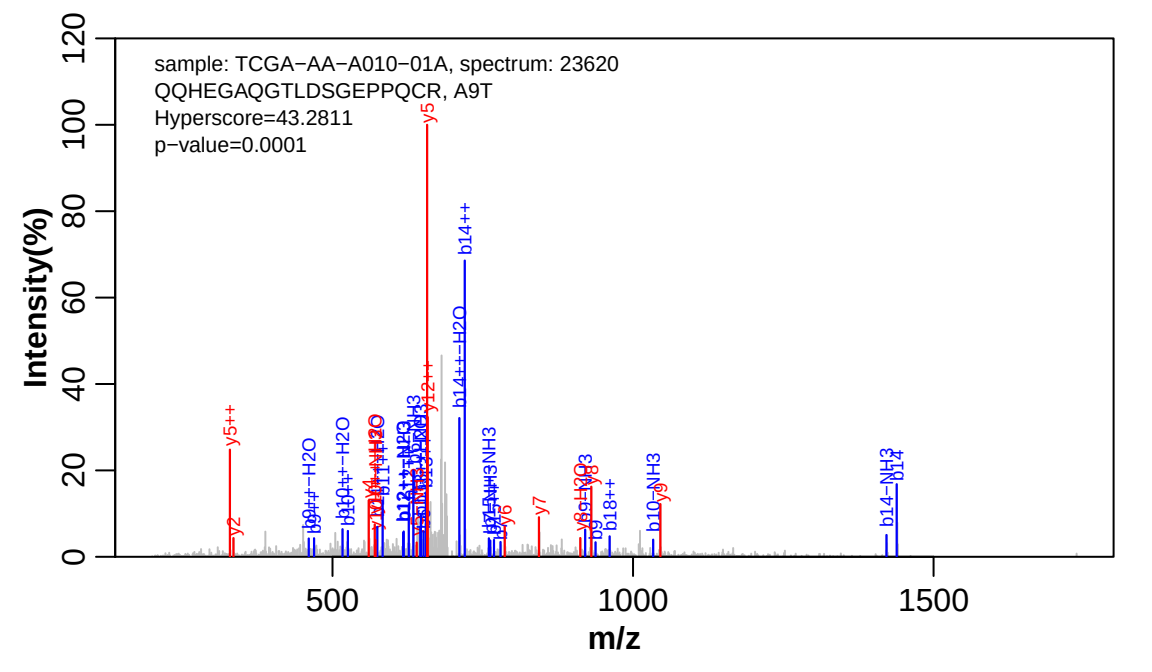

sample: TCGA−AA−A010−01A, spectrum: 50130
MGTPVLEALGDGEFVK, V9L
Hyperscore=28.1836
p−value=0.0001
Intensity(%)
m/z
y3−NH3
b5−H2O
y7
y7−H2O
y8
y8−NH3
y9
y9−H2O
y10
b11
b12−NH3
y11
y12
y13
b14−NH3
b14
b15

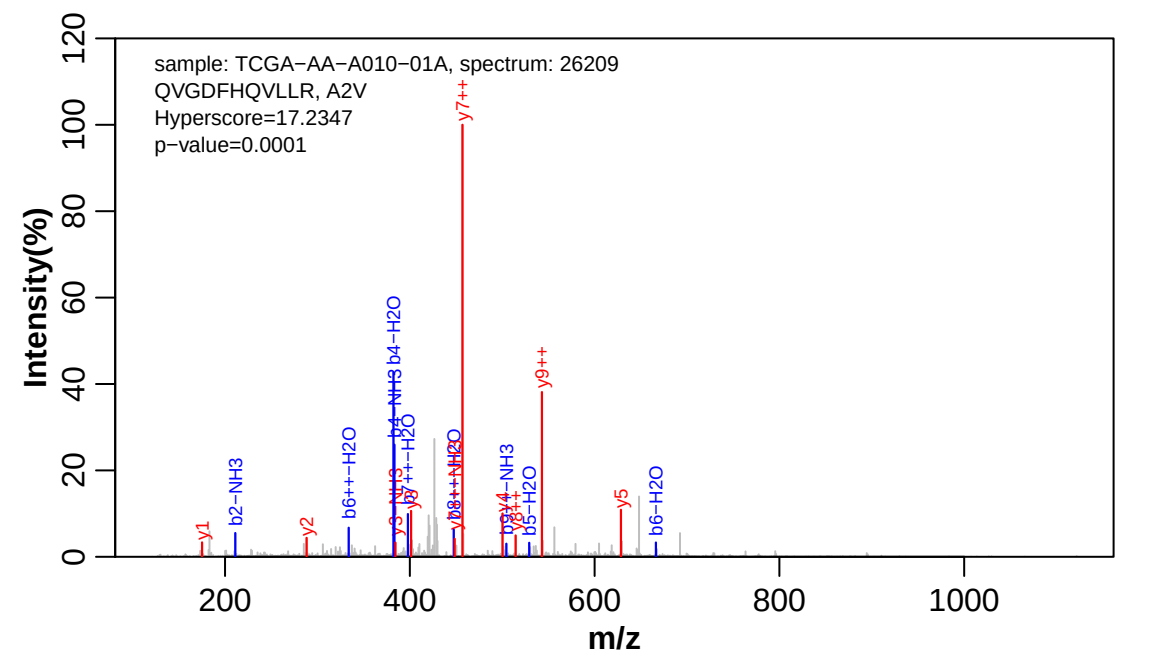

sample: TCGA−AA−A010−01A, spectrum: 78520
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=99.6033
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

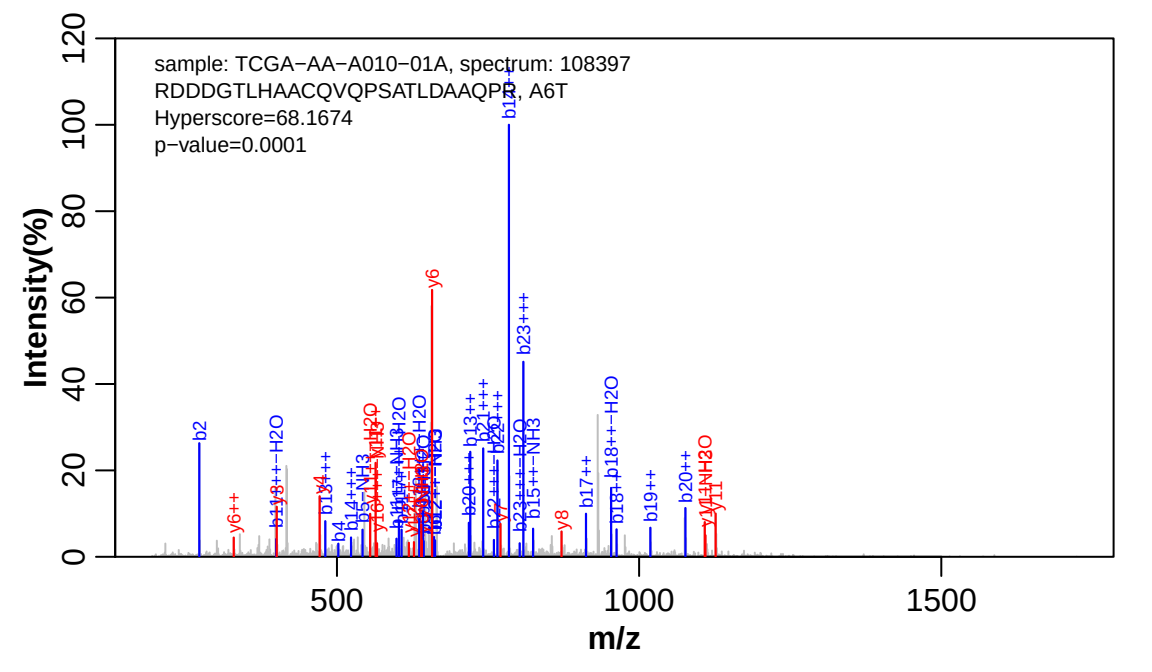

sample: TCGA−AA−A010−01A, spectrum: 16022
MQYAPNTQVELLPQGR, H16R
Hyperscore=47.5867
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y4
y5
y7
y6
y8
b12
b11
b3
b4−NH3
b7−H2O
b8−NH3
y13
y14
b14

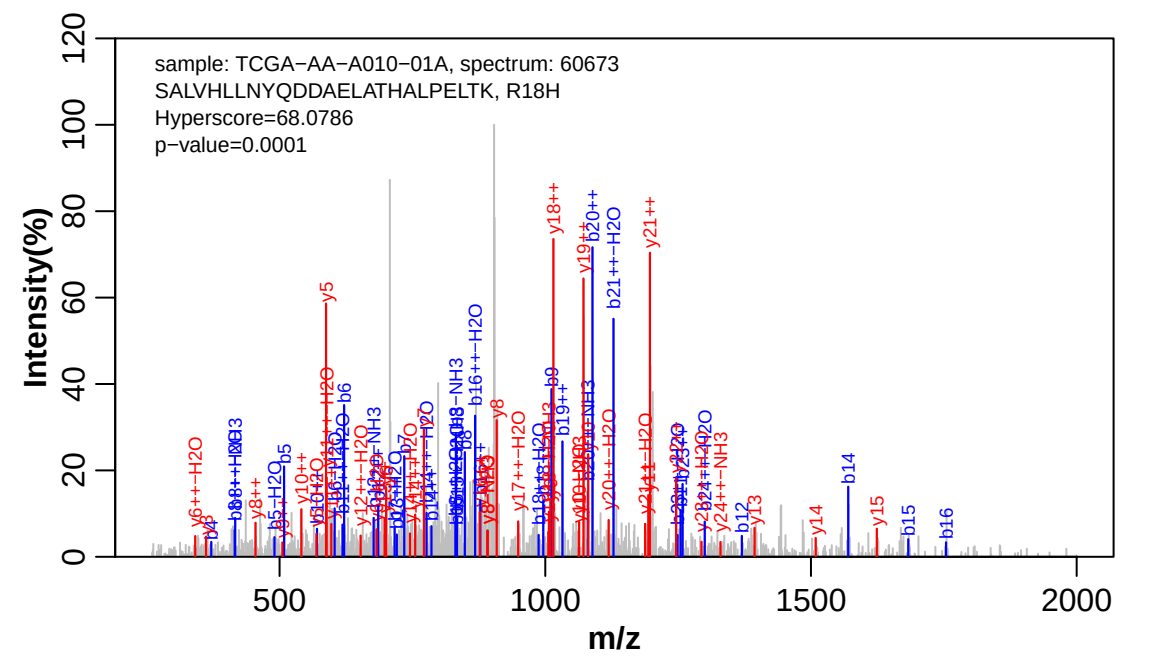

sample: TCGA−AA−A010−01A, spectrum: 24146
MVAVGLCR, H8R
Hyperscore=27.5423
p−value=0.0012
Intensity(%)
m/z
y1
b2
b3
y2
b4
y3−NH3
y3
b5
y4
b6
y5
y6
b7

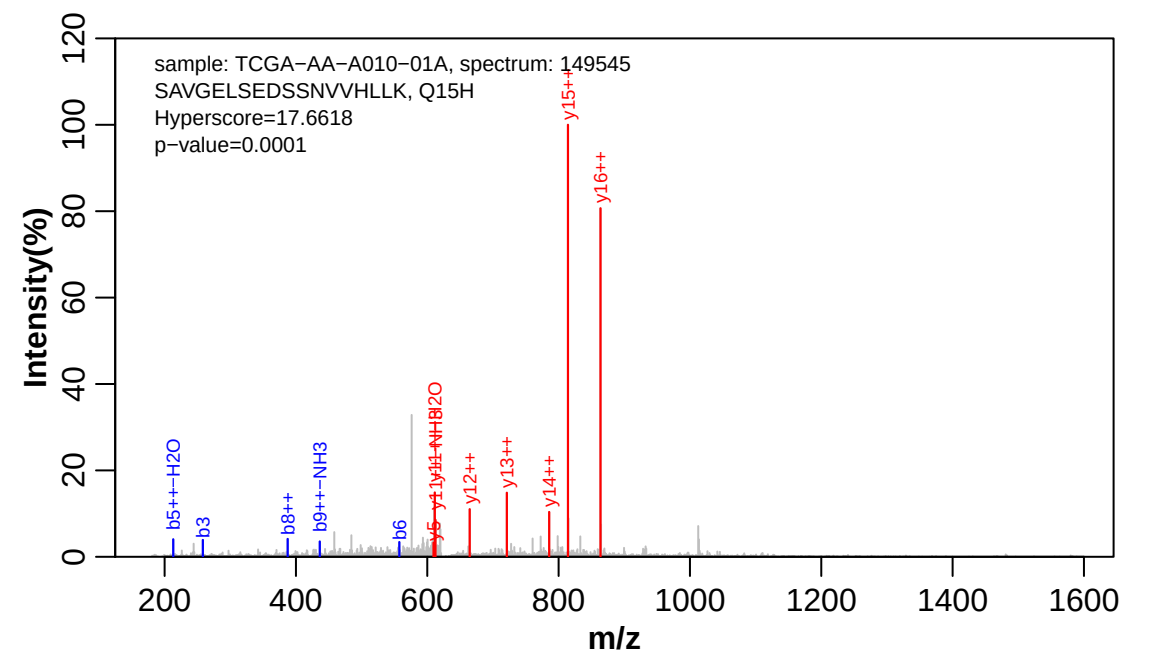

sample: TCGA−AA−A010−01A, spectrum: 66516
QQHEGAQGALDSGEPPLCR, Q17L
Hyperscore=46.9721
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
y5++
y2
y2++
b14++
b14++−H2O
b14−NH3
b14
b10−NH3
y9
b11−NH3
y7
y6
y4

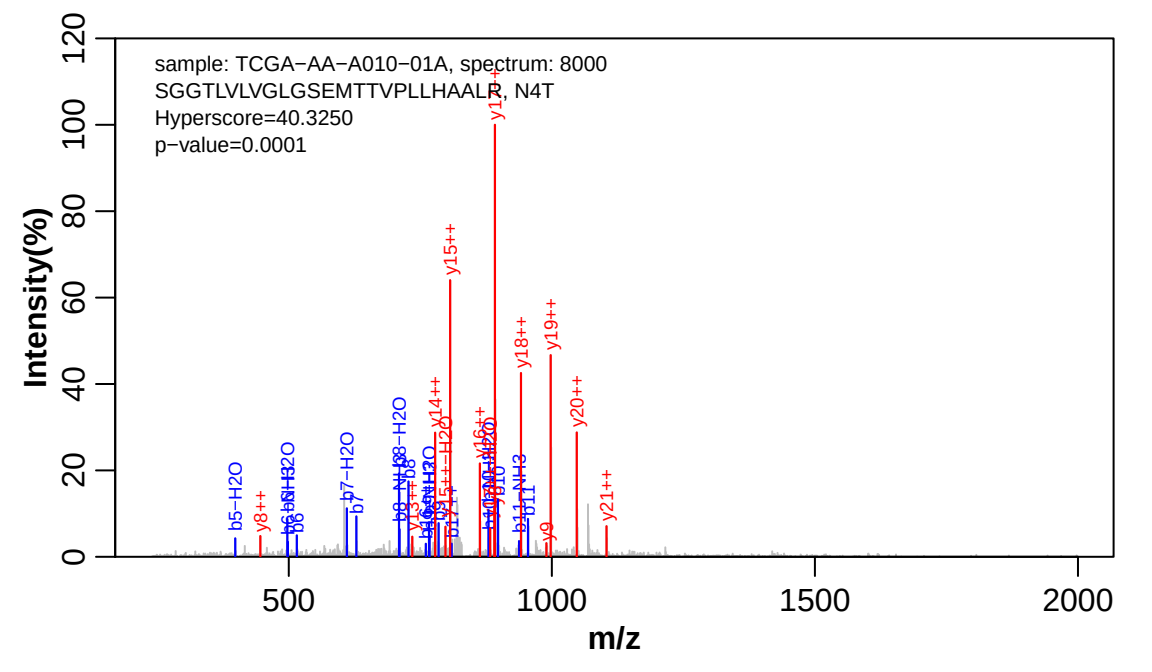

sample: TCGA−AA−A010−01A, spectrum: 23620
QQHEGAQGTLDSGEPPQCR, A9T
Hyperscore=43.2811
p−value=0.0001
Intensity(%)
m/z
y5
y5++
y2
b14++
b14++−H2O
b14−NH3
b14
y7
y9
b18++
b10++−H2O
b10++−NH3
y12++
0
20
40
60
80
100
120
500
1000
1500

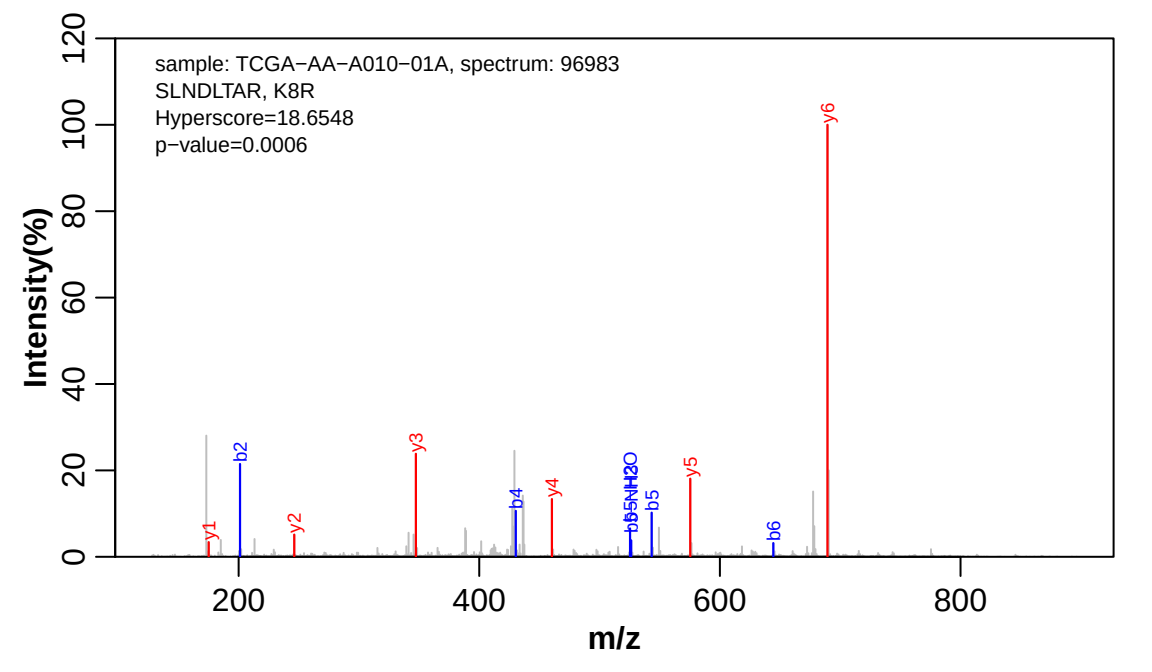

sample: TCGA−AA−A010−01A, spectrum: 26209
QVGDFHQVLLR, A2V
Hyperscore=17.2347
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2−NH3
y2
b6++−H2O
b4−H2O
y7++
y9++
y5
b6−H2O

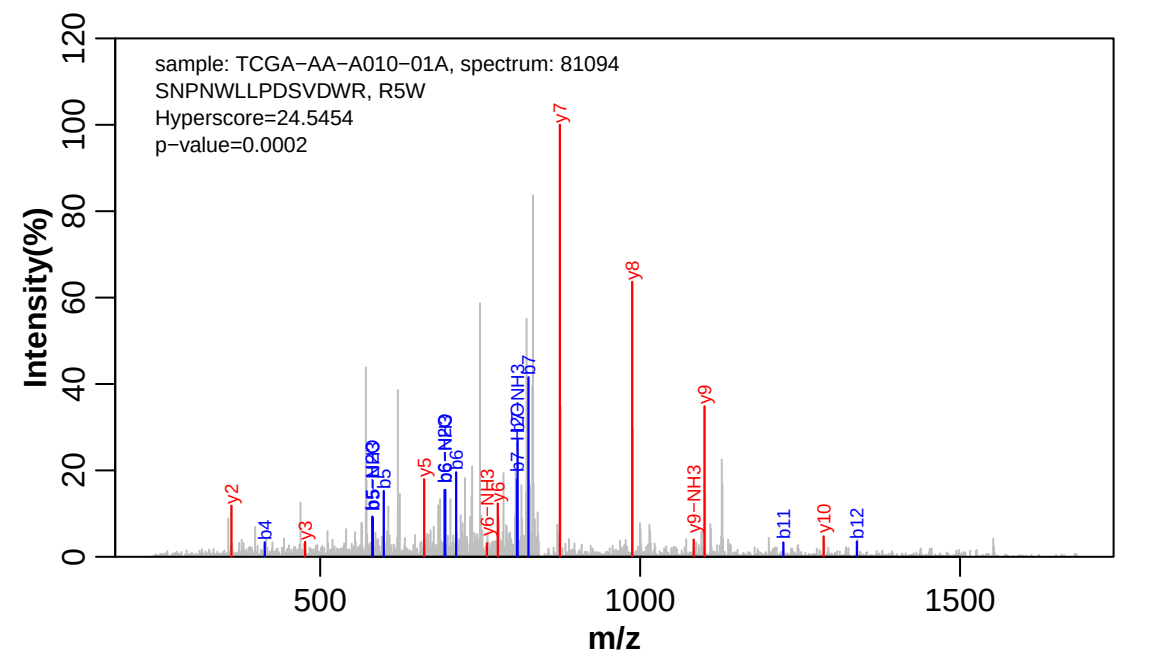

sample: TCGA−AA−A010−01A, spectrum: 108397
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=68.1674
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y6++
b11++−H2O
b13+++
b4
b14++−NH3
y6
b12+++
b23+++
b13++
b21+++
b15++−NH3
y8
b17++
b18++−H2O
b19++
b20++
y11

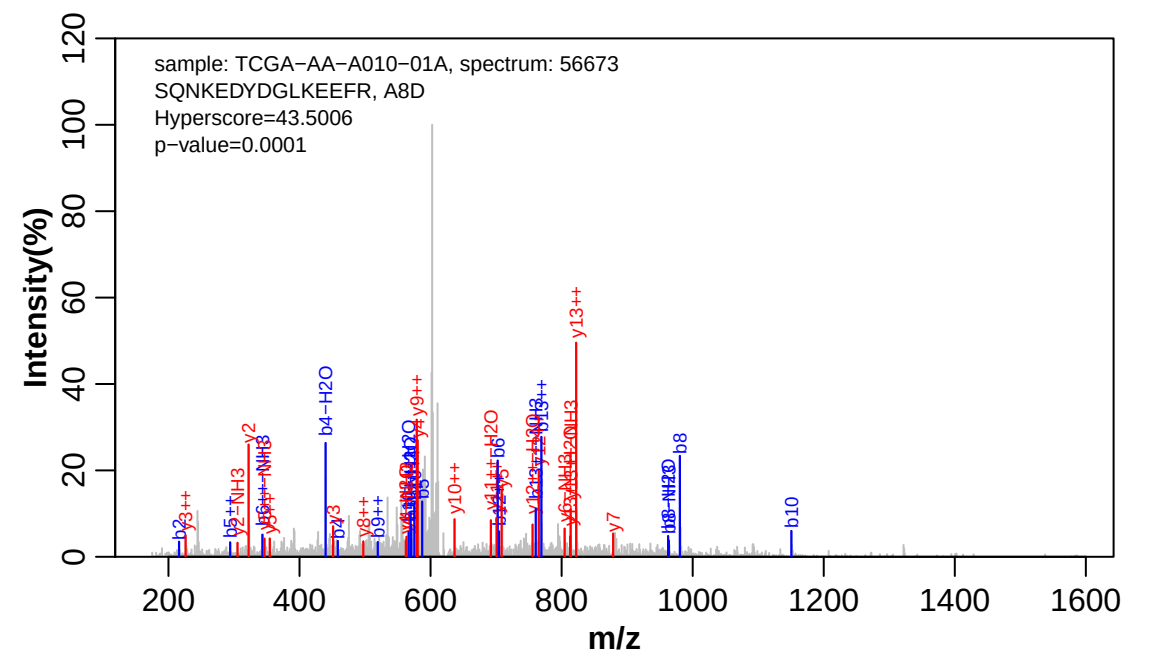

sample: TCGA−AA−A010−01A, spectrum: 60673
SALVHLLNYQDDAELATHALPELTK, R18H
Hyperscore=68.0786
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6++−H2O
b4
b5
b5−H2O
y8++
y10++
y5
b6
y12++−H2O
y12++−NH3
b16++−NH3
b16++−H2O
y8
y17++−H2O
b18++−H2O
b19++
y18++
y19++
b20++
b21++−H2O
y21++
y20++−H2O
y21++−H2O
y24++−NH3
b12
y13
y14
b14
y15
b15
b16

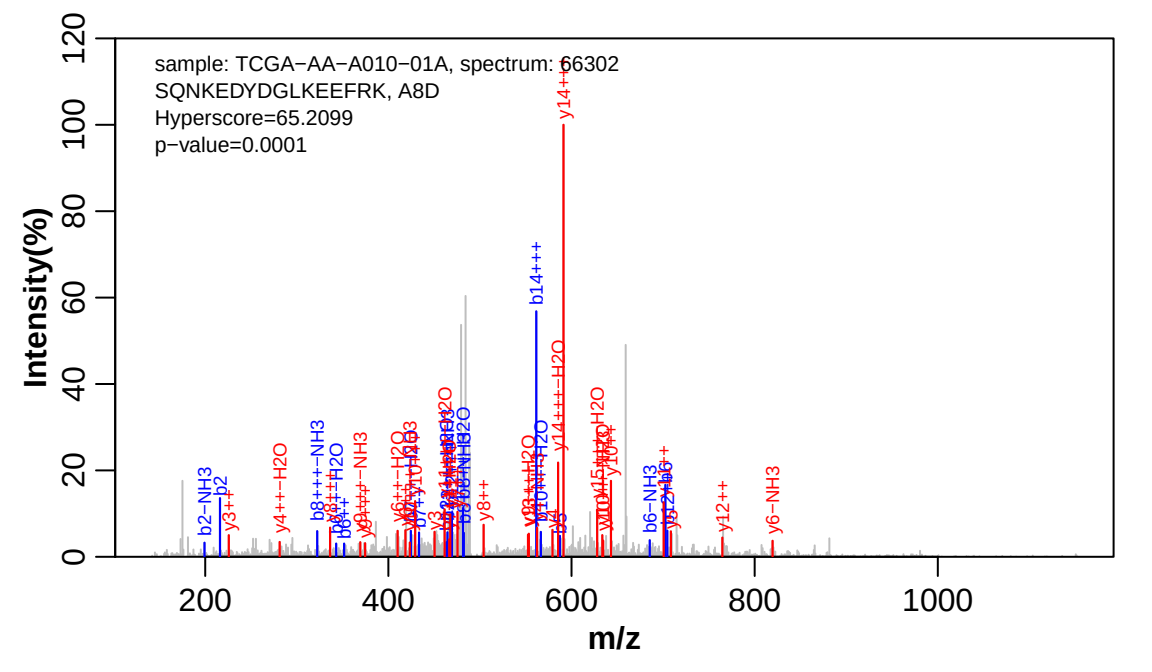

sample: TCGA−AA−A010−01A, spectrum: 149545
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.6618
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b5++−H2O
b3
b8++
b9++−NH3
b6
y5−y1 1y11−NH3−H2O
y12++
y13++
y14++
y15++
y16++

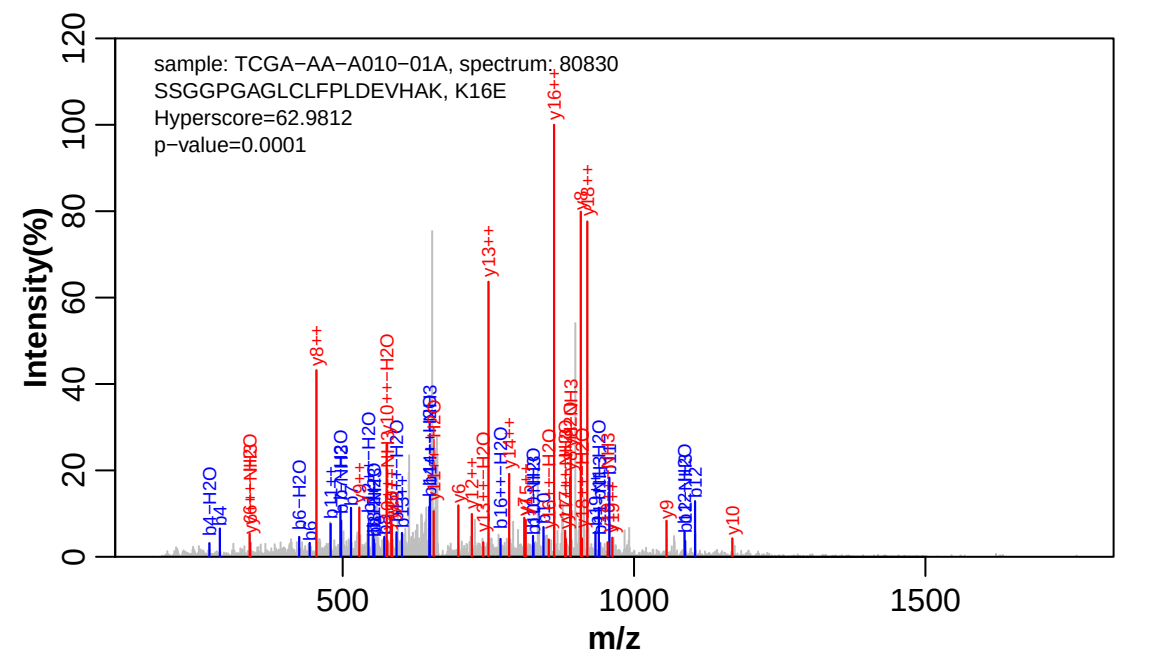

sample: TCGA−AA−A010−01A, spectrum: 8000
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=40.3250
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y17++
y15++
y18++
y19++
y20++
y21++
y14++
b5−H2O
y8++
b7−H2O
b7
y9

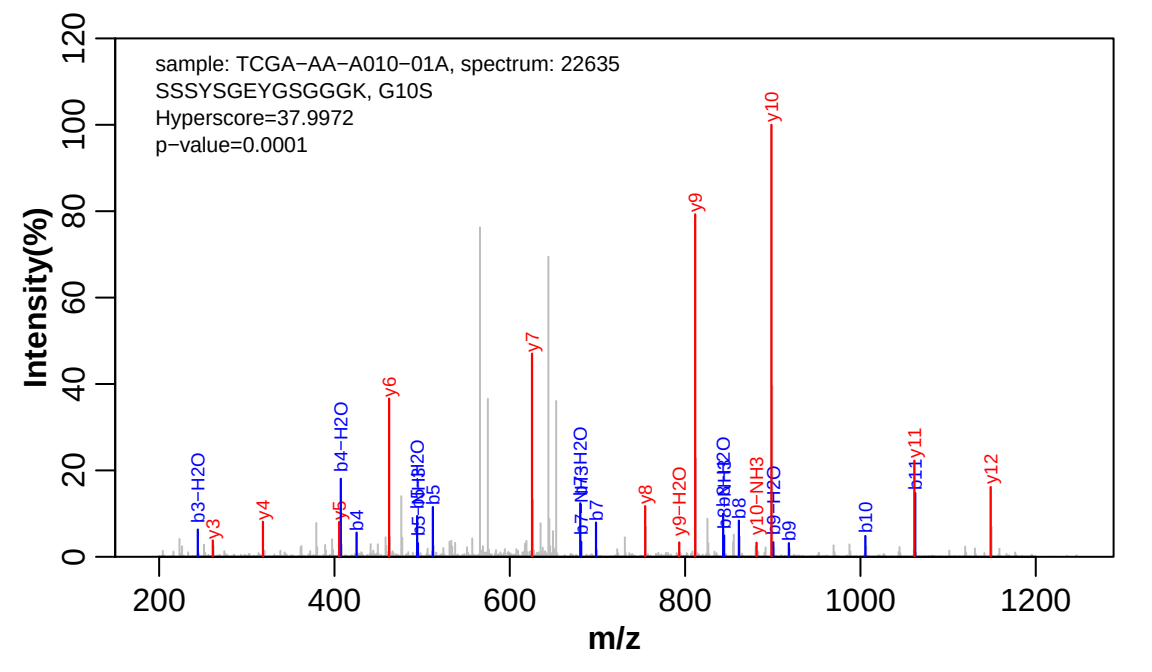

sample: TCGA−AA−A010−01A, spectrum: 96983
SLNDLTAR, K8R
Hyperscore=18.6548
p−value=0.0006
Intensity(%)
m/z
y6
y5
y4
y3
y2
y1
b6
b5
b4
b2

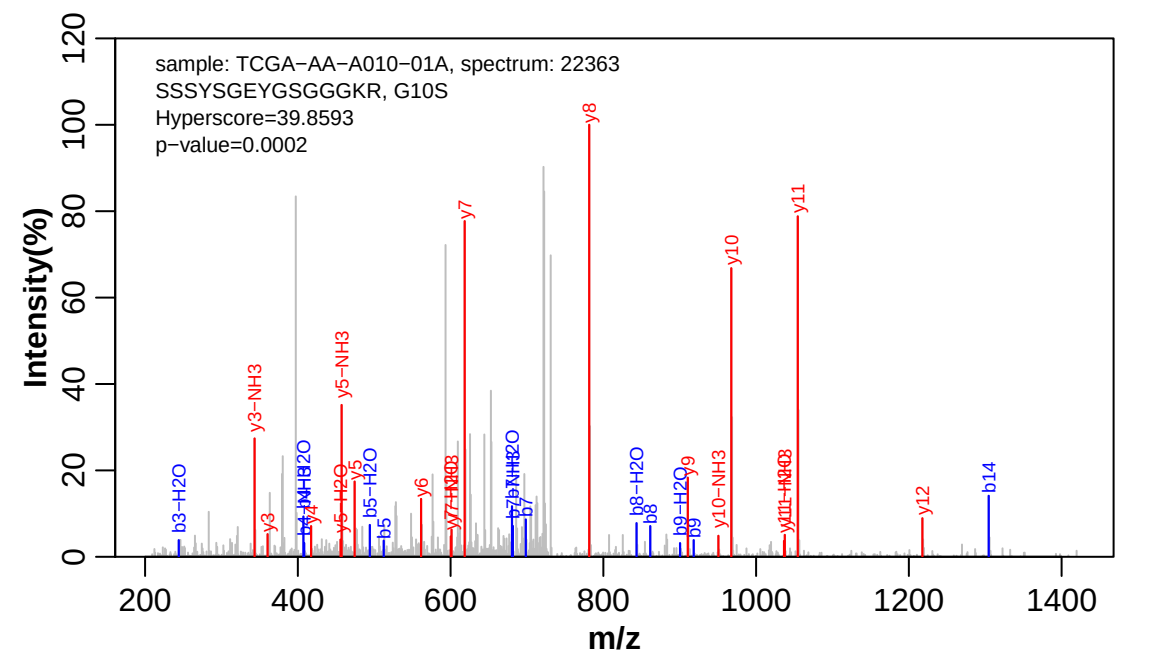

sample: TCGA−AA−A010−01A, spectrum: 81094
SNPNWLLPDSVDWR, R5W
Hyperscore=24.5454
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y8
y9
y2
b4
y3
y5
y6−NH3
y9−NH3
b11
y10
b12

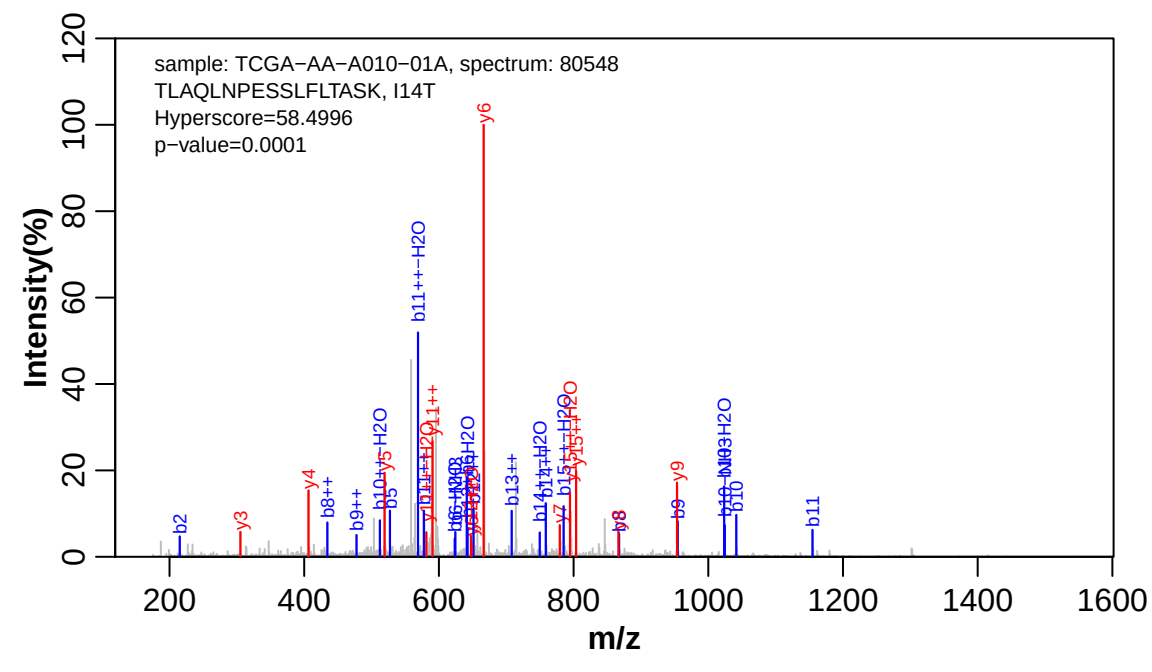

sample: TCGA−AA−A010−01A, spectrum: 56673
SQNKEDYDGLKEEFR, A8D
Hyperscore=43.5006
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3++
b5++
y2−NH3
y2
b4−H2O
b4
b3
y8++
b9++
y4
y9++
b5
y10++
y11++−H2O
b6
y11++
y13++
y7
b8
b8−NH3
b8−H2O
b10

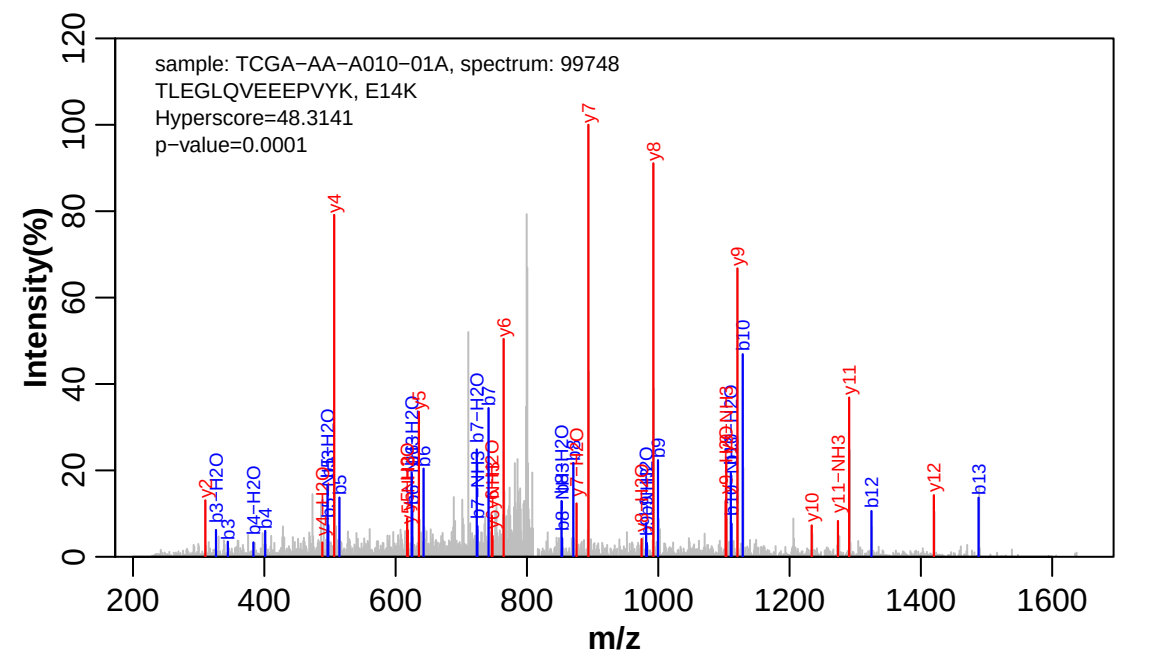

sample: TCGA−AA−A010−01A, spectrum: 66302
SQNKEDYDGLKEEFRK, A8D
Hyperscore=65.2099
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2−NH3
b2
y3++
y4++−H2O
b8+++−NH3
b8+++−H2O
b6++
y9+++−NH3
y14+++
b14+++
y14+++−H2O
y8++
b6−NH3
y12++
y6−NH3

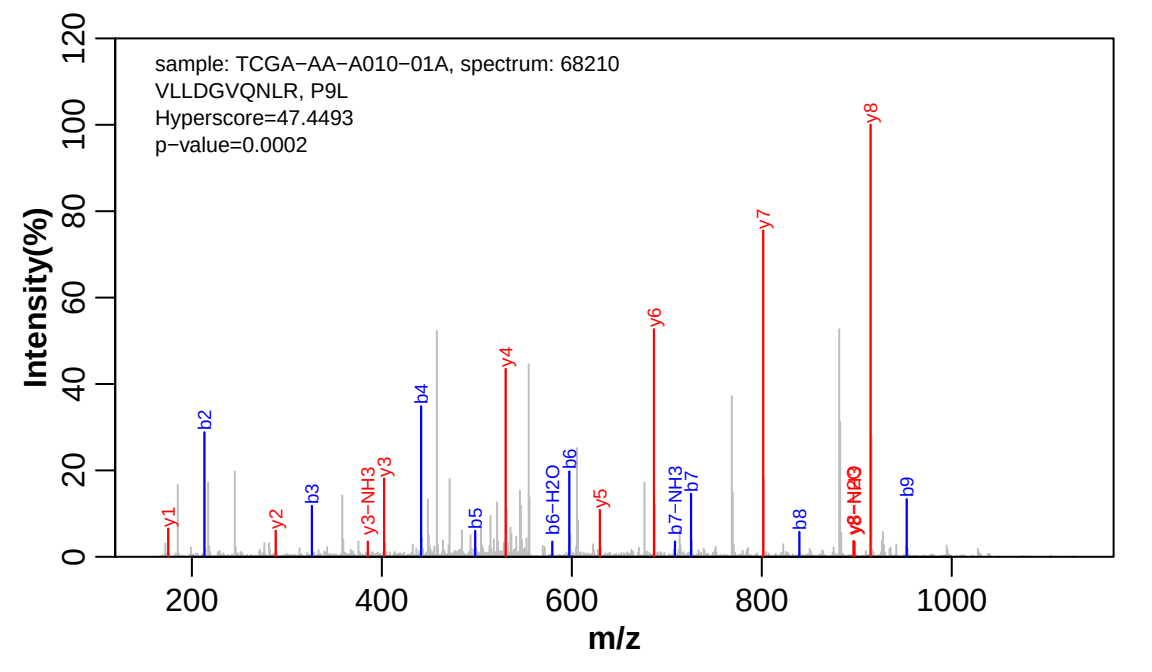

sample: TCGA−AA−A010−01A, spectrum: 80830
SSGGPGAGLCLFPLDEVHAK, K16E
Hyperscore=62.9812
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16++
y8++
y13++
y8++
b4−H2O
b4
b6−H2O
b6
y10++−H2O
y14++
b16++−H2O
y6
y12++
y13++−H2O
y9
b12
y10

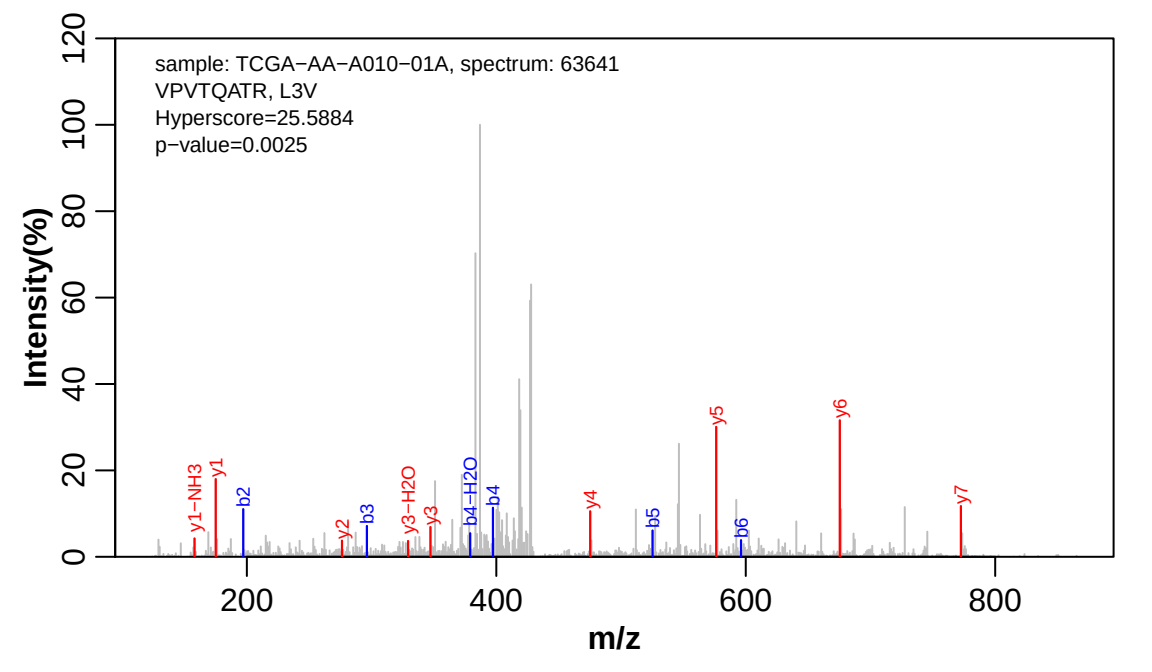

sample: TCGA−AA−A010−01A, spectrum: 22635
SSSYSGEYGSGGGK, G10S
Hyperscore=37.9972
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y3
y4
b4−H2O
y5
b4
y6
b5
y7
y8
y9−H2O
y9
b8
y10−NH3
y10
b9
b10
y11
y12

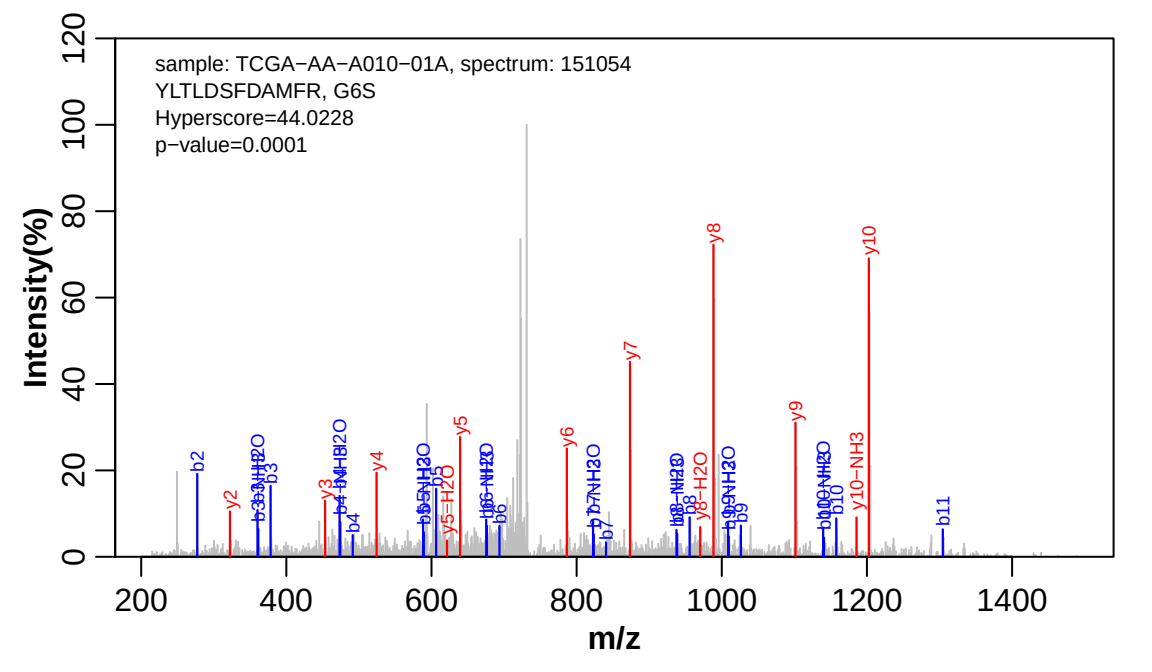

sample: TCGA−AA−A010−01A, spectrum: 22363
SSSYSGEYGSGGGKR, G10S
Hyperscore=39.8593
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y8
y7
y11
y10
y5−NH3
y3−NH3
y5−H2O
y5
b5−H2O
b5
y6
b8−H2O
b8
b9−H2O
b9
y9
y10−NH3
y12
b14
b3−H2O
y3
b7
y4

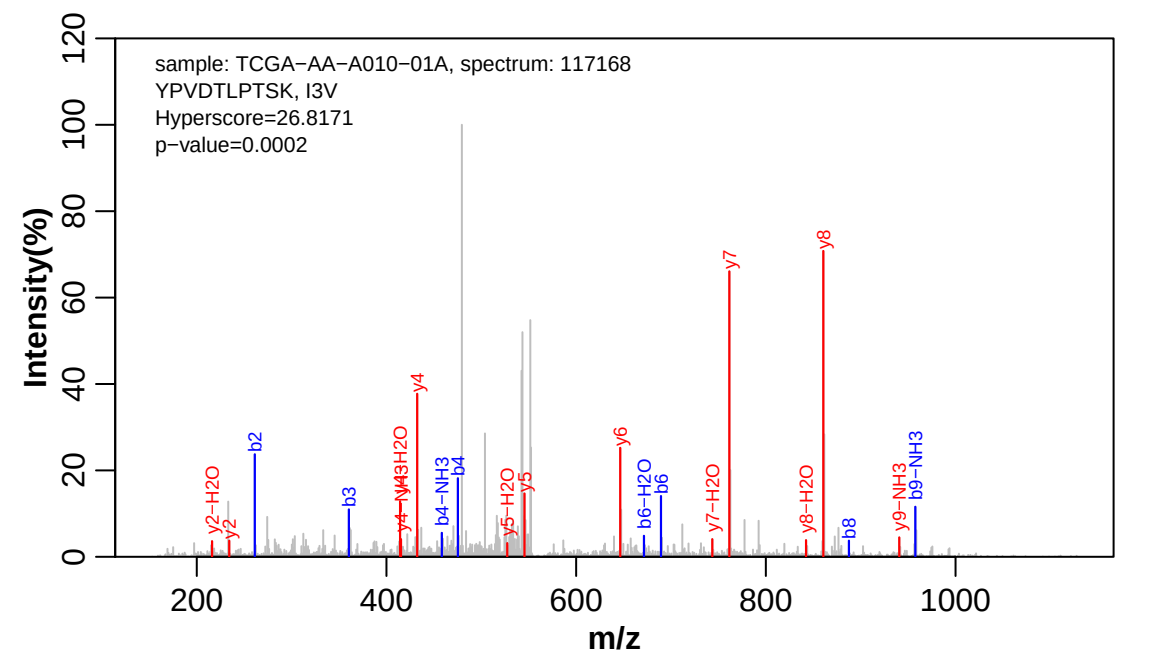

sample: TCGA−AA−A010−01A, spectrum: 80548
TLAQLNPESSLFLTASK, I14T
Hyperscore=58.4996
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
b11++−H2O
y4
b8++
b2
y3
b9++
b10++
y5−H2O
b5
y11++
b13++
b14++−H2O
y7
y9
b9
b11

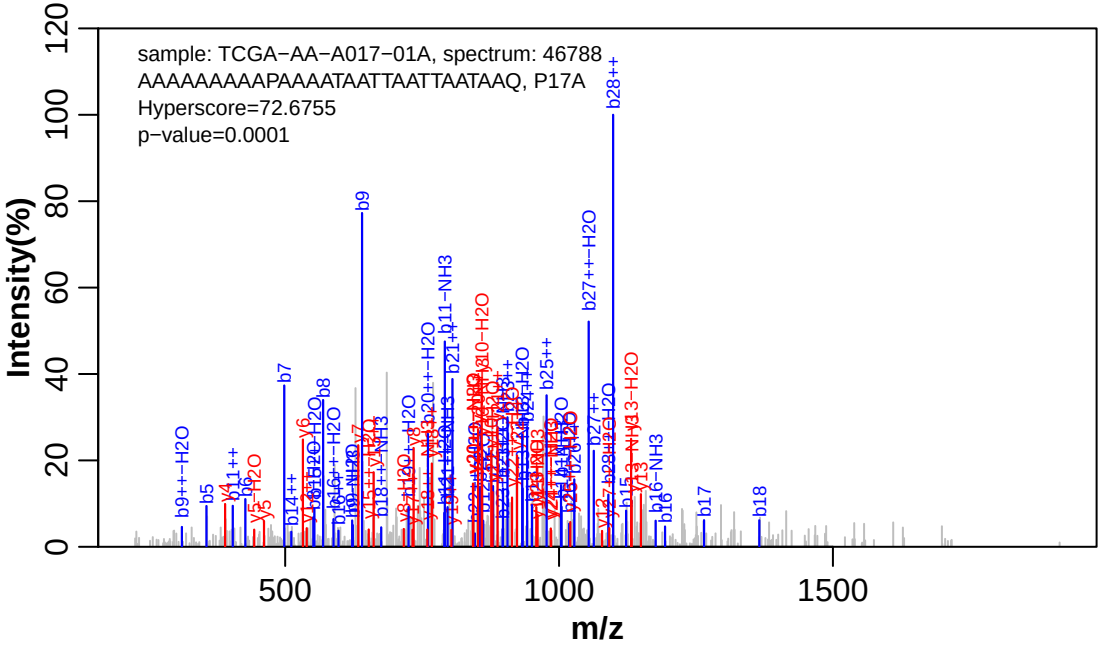

sample: TCGA−AA−A010−01A, spectrum: 99748
TLEGLQVEEEPVYK, E14K
Hyperscore=48.3141
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y8
y4
y9
y6
y5
b10
y11
y10
y11−NH3
b12
y12
b13
b7
b7−NH3
b7−H2O
y2
b3
b3−H2O
b4
b4−H2O
b5
b6
b9

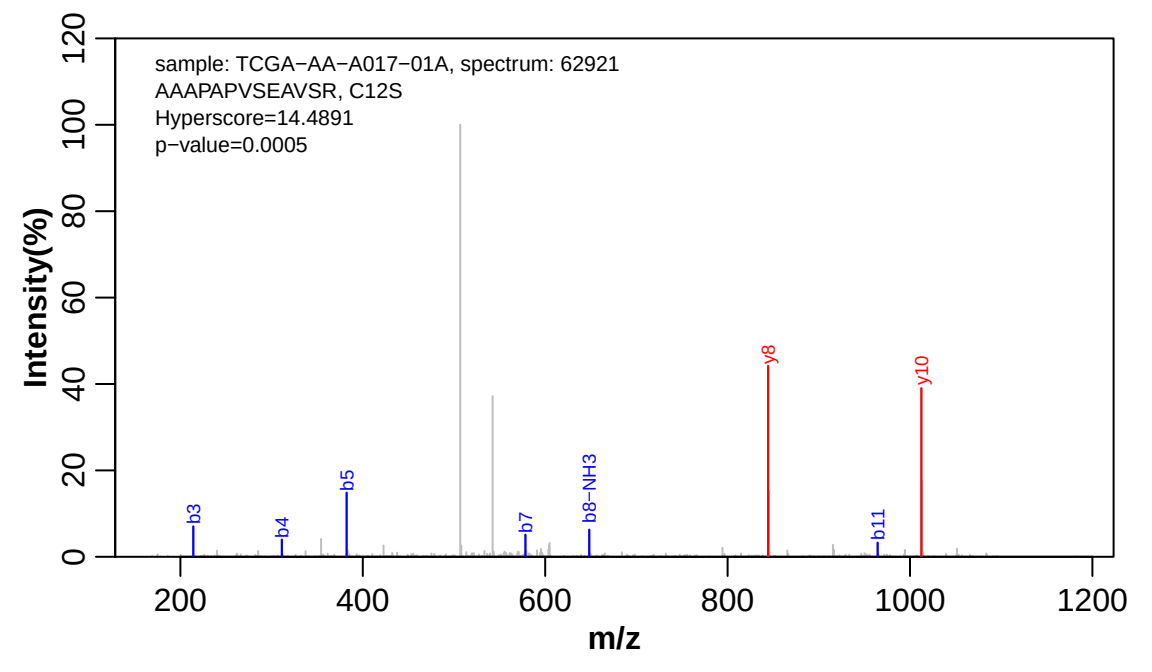

sample: TCGA−AA−A010−01A, spectrum: 68210
VLLDGVQNLR, P9L
Hyperscore=47.4493
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3−NH3
y3
b4
b5
y4
b6−H2O
b6
y5
y6
b7−NH3
b7
b8
y7
y8−NH3
y8
b9

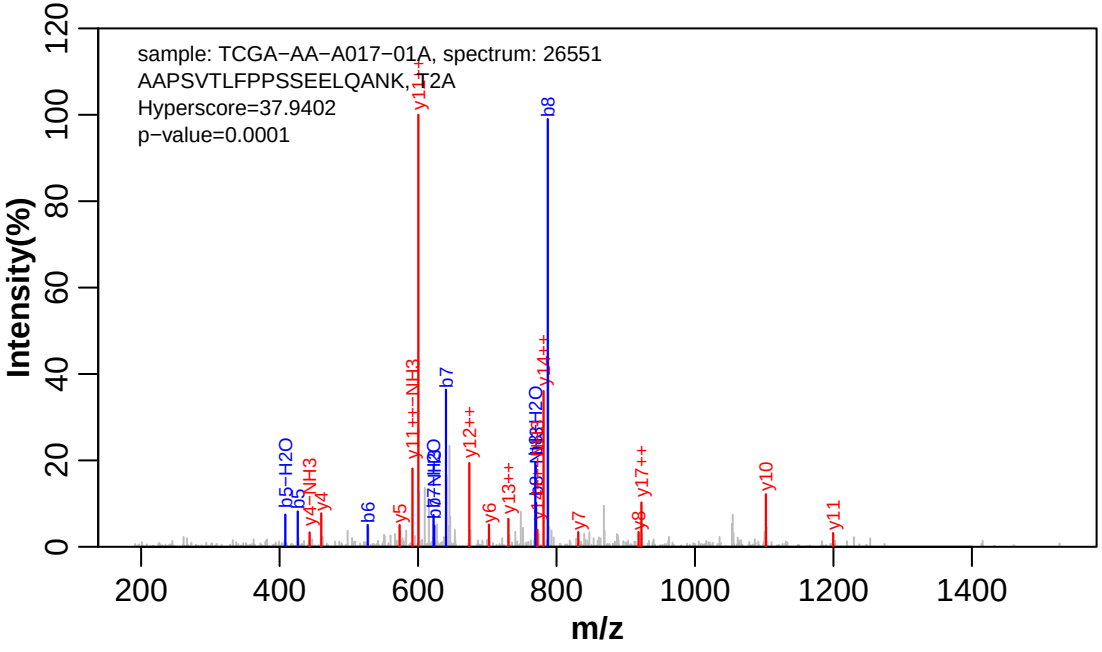

sample: TCGA−AA−A010−01A, spectrum: 63641
VPVTQATR, L3V
Hyperscore=25.5884
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2
y2
b3
y3−H2O
y3
b4−H2O
b4
y4
b5
y5
b6
y6
y7

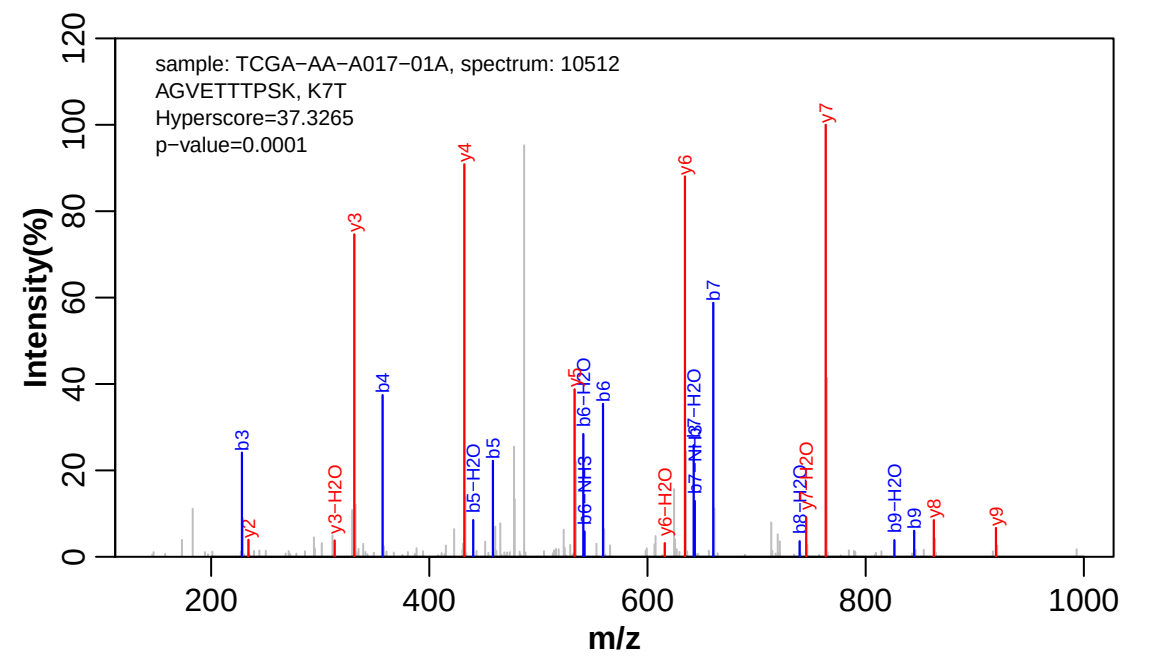

sample: TCGA−AA−A010−01A, spectrum: 151054
YLTLDSFDAMFR, G6S
Hyperscore=44.0228
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
y4
y5
y6
y7
y8
y9
y10
b11
y10−NH3

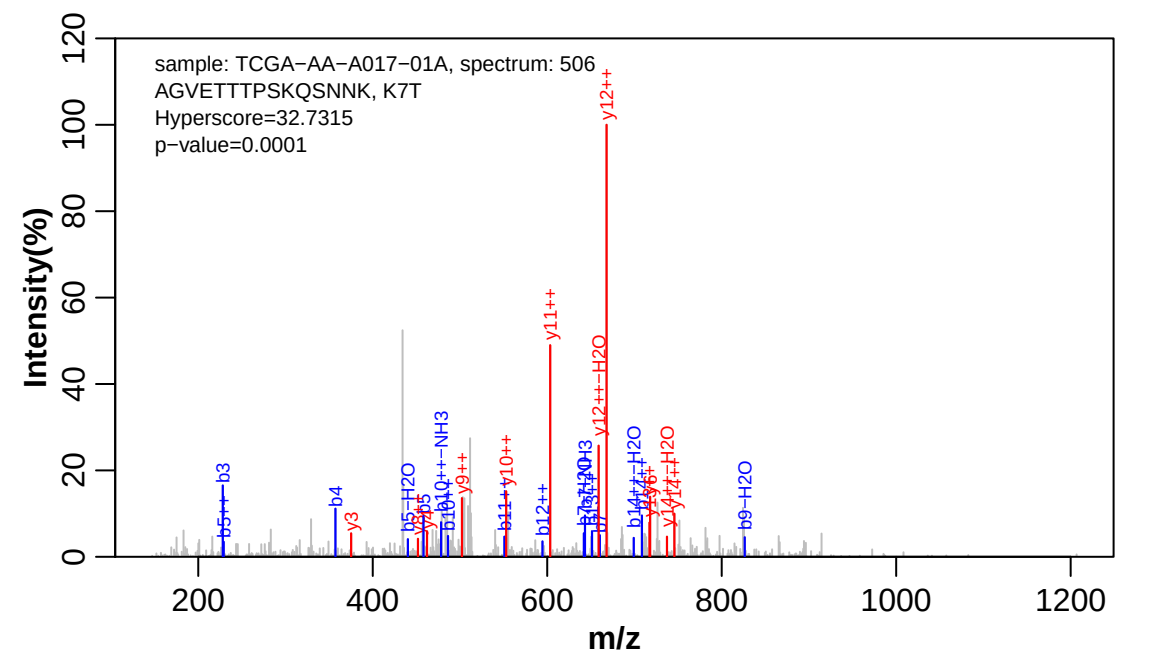

sample: TCGA−AA−A010−01A, spectrum: 117168
YPVDTLPTSK, I3V
Hyperscore=26.8171
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y2−H2O
y2
b2
b3
y4−NH3
y4−H2O
y4
b4−NH3
b4
y5−H2O
y5
y6
b6−H2O
b6
y7−H2O
y7
y8−H2O
y8
b8
y9−NH3
b9−NH3

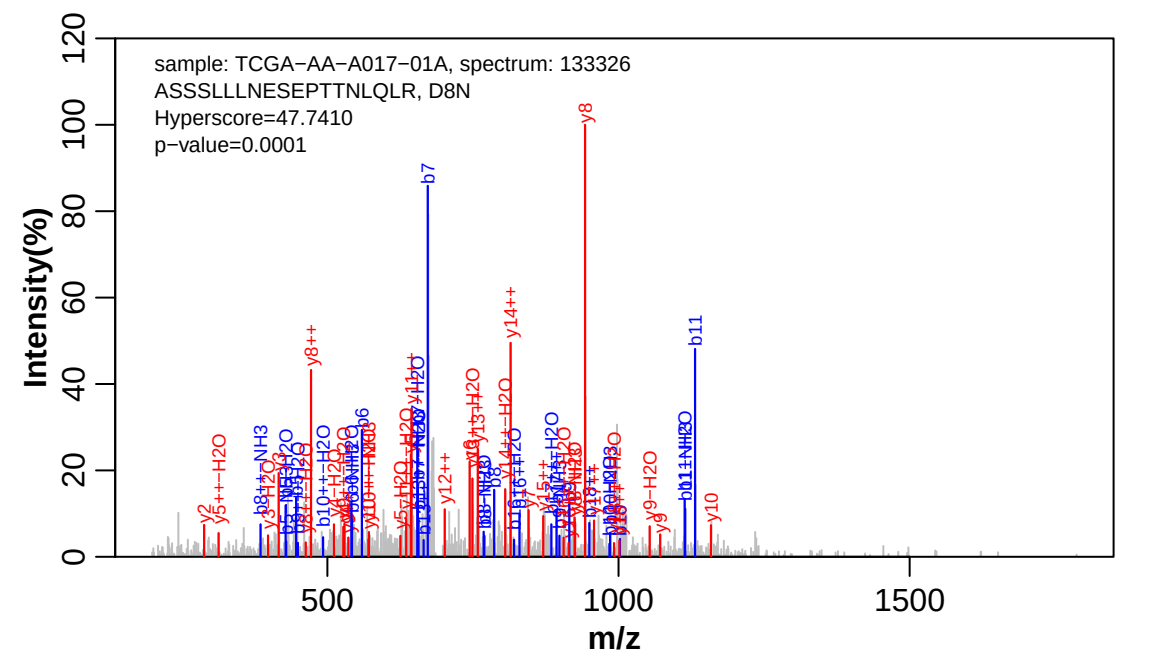

sample: TCGA−AA−A017−01A, spectrum: 46788
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=72.6755
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9++−H2O
b5
y4++
y1
b6
y5−H2O
b14++
b7
y6
b8
b9
b18++−NH3
b11−NH3
b21++
b10−H2O
b25++
b27++−H2O
b28++
b27++
b15
b16−NH3
b17
b18

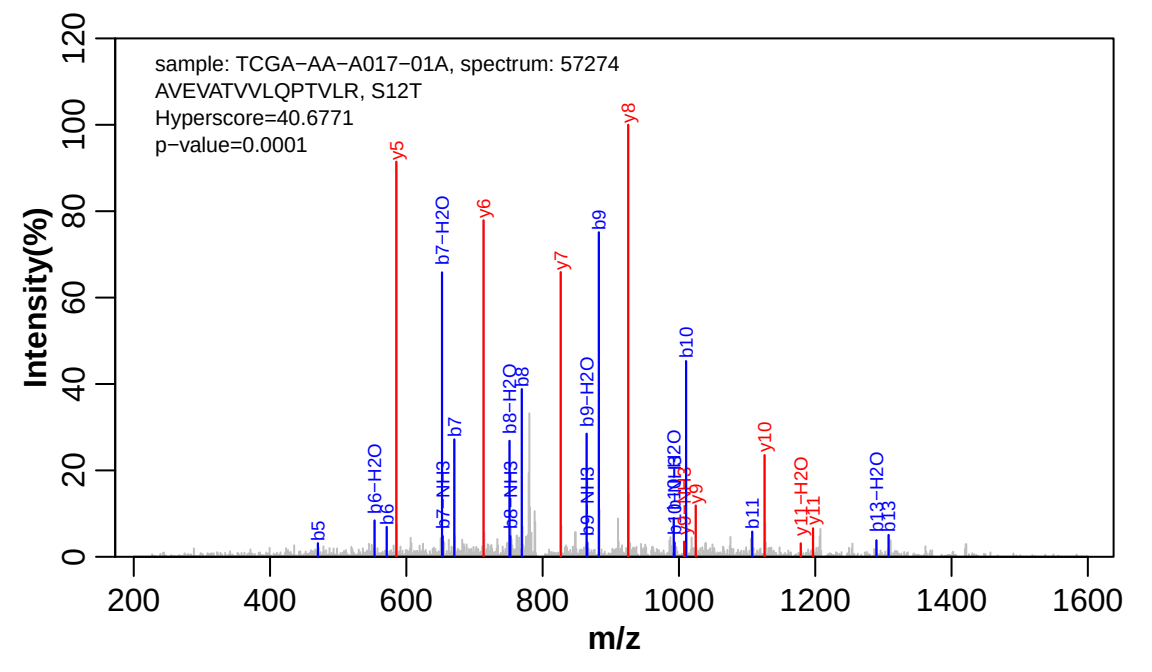

sample: TCGA−AA−A017−01A, spectrum: 62921
AAAPAPVSEAVSR, C12S
Hyperscore=14.4891
p−value=0.0005
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
m/z
b3
b4
b5
b7
b8−NH3
y8
b11
y10

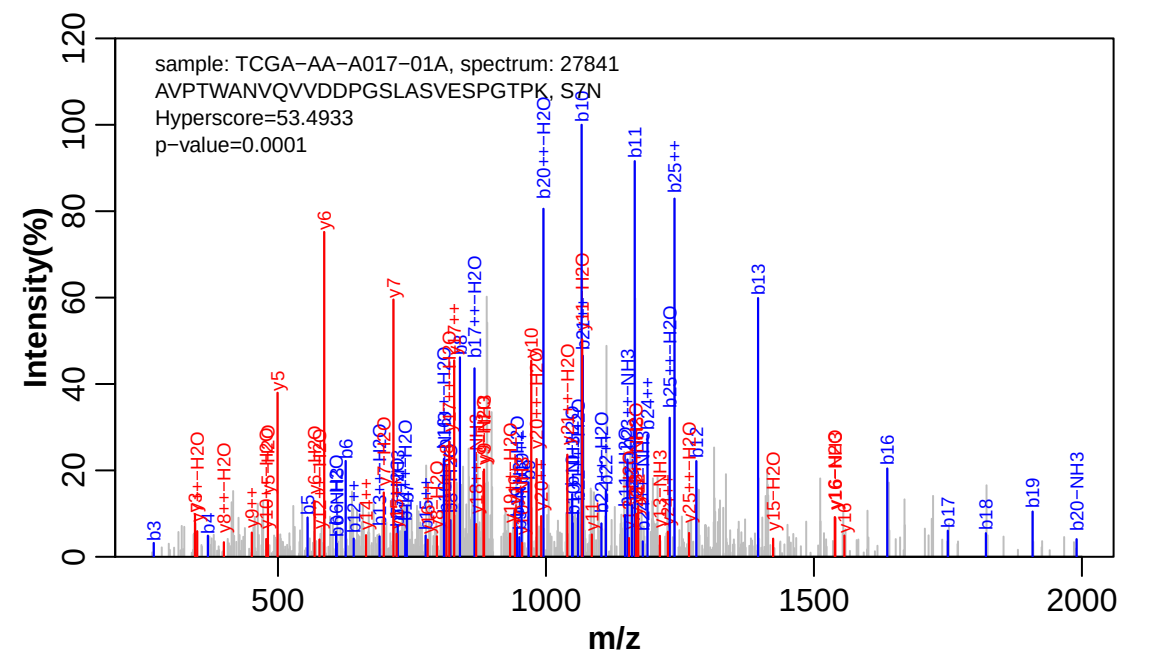

sample: TCGA−AA−A017−01A, spectrum: 26551
AAPSVTLFPPSSEELQANK, +2A
Hyperscore=37.9402
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b8
y11++
b7
y11++−NH3
y12++
y14++
y17++
y10
y11
y6
y13++
y7
y5
b6
b5
y4
y4−NH3
b5−H2O

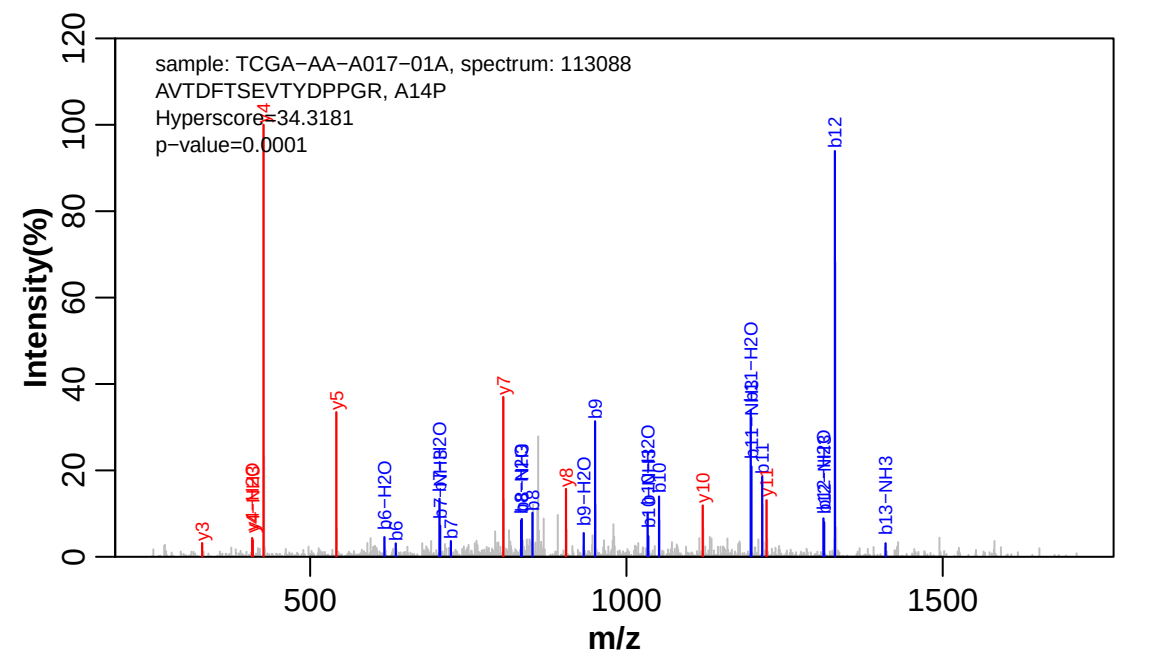

sample: TCGA−AA−A017−01A, spectrum: 10512
AGVETTTPSK, K7T
Hyperscore=37.3265
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y2
y3−H2O
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
b6−NH3
y6−H2O
y6
b7−NH3
b7−H2O
b7
b8−H2O
y7−H2O
y7
b9−H2O
b9
y8
y9

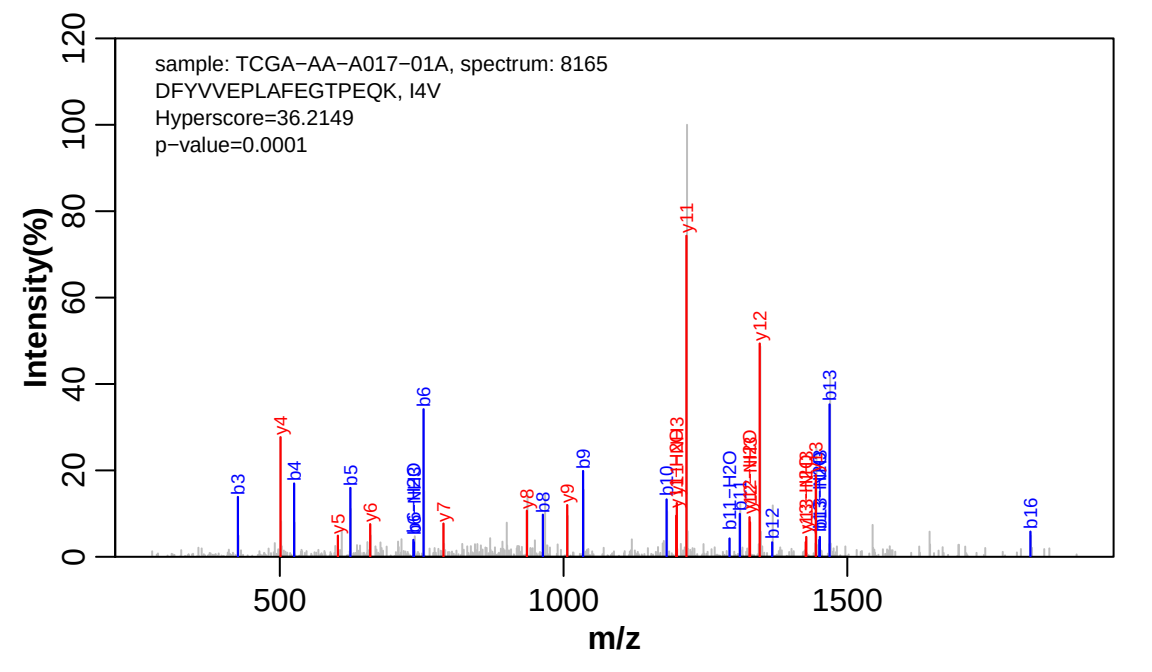

sample: TCGA−AA−A017−01A, spectrum: 506
AGVETTTPSKQSNNK, K7T
Hyperscore=32.7315
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b5++
b3
b4
y3
b5−H2O
y5
y5−H2O
b10++−NH3
y9++
b11++
y10++
b12++
y11++
y12++
y12++−H2O
b14++−H2O
y14++
y14++−H2O
b9−H2O

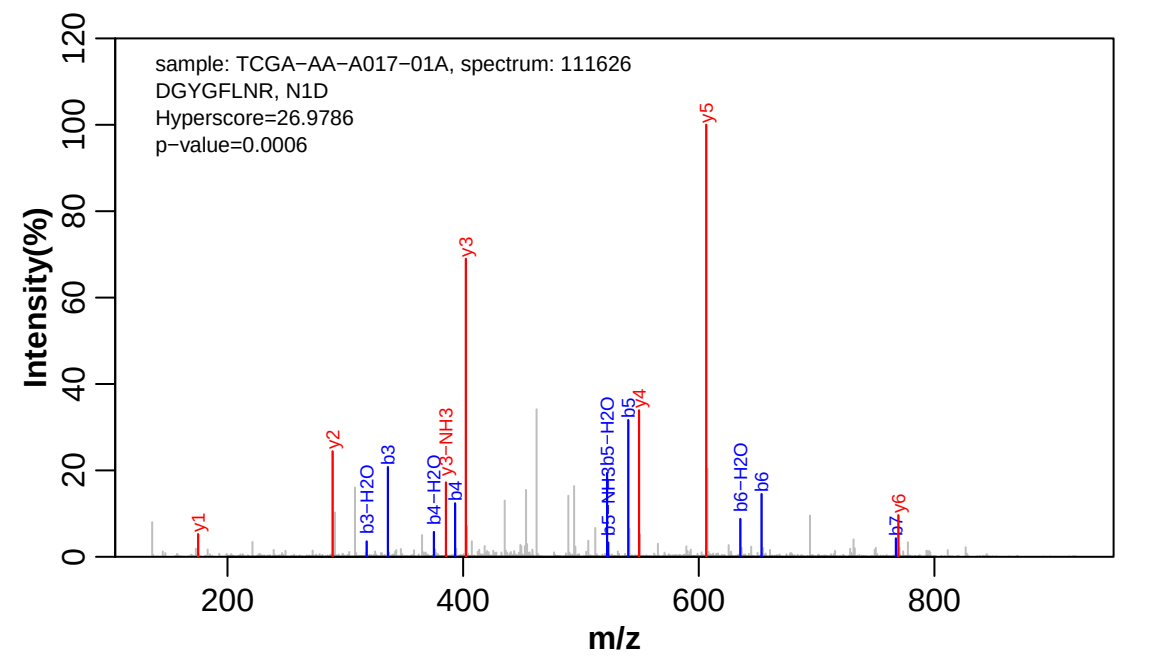

sample: TCGA−AA−A017−01A, spectrum: 133326
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=47.7410
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
b7
y8++
y14++
b11
y12++
y10
y9−H2O
y5++−H2O
y2

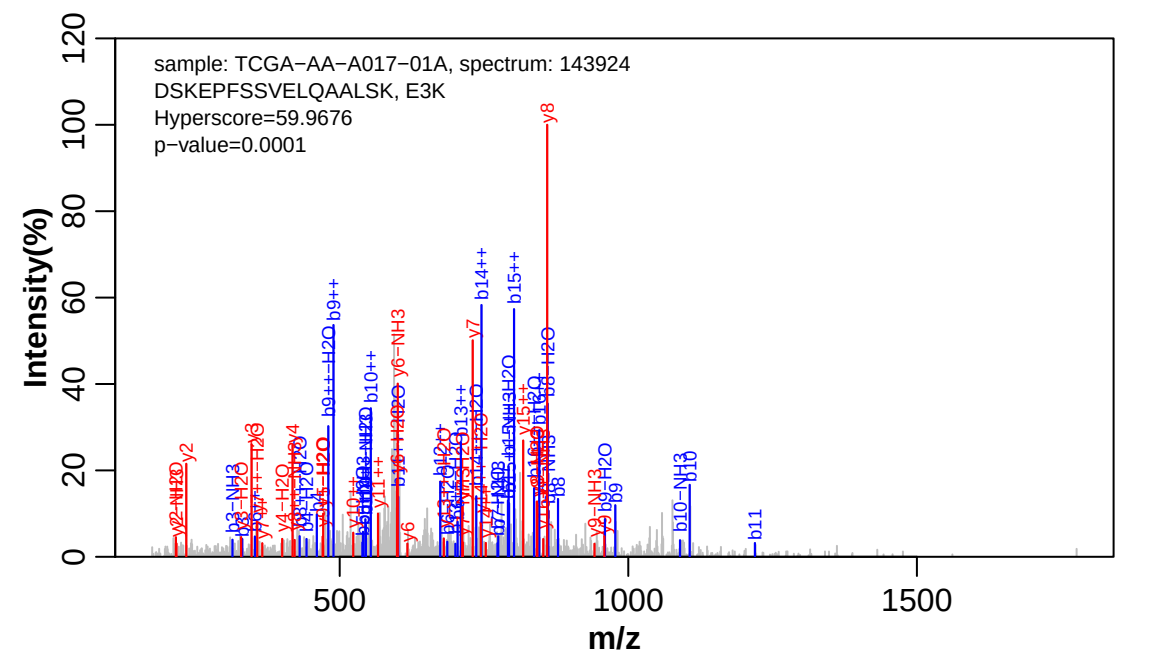

sample: TCGA−AA−A017−01A, spectrum: 57274
AVEVATVVLQPTVLR, S12T
Hyperscore=40.6771
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
y8
b5
b6−H2O
b6
b7−H2O
b7−NH3
b7
b8−H2O
b8−NH3
b8
b9
b9−H2O
b9−NH3
b10
b10−H2O
b10−NH3
y9
b11
y10
y11−H2O
y11
b13−H2O
b13

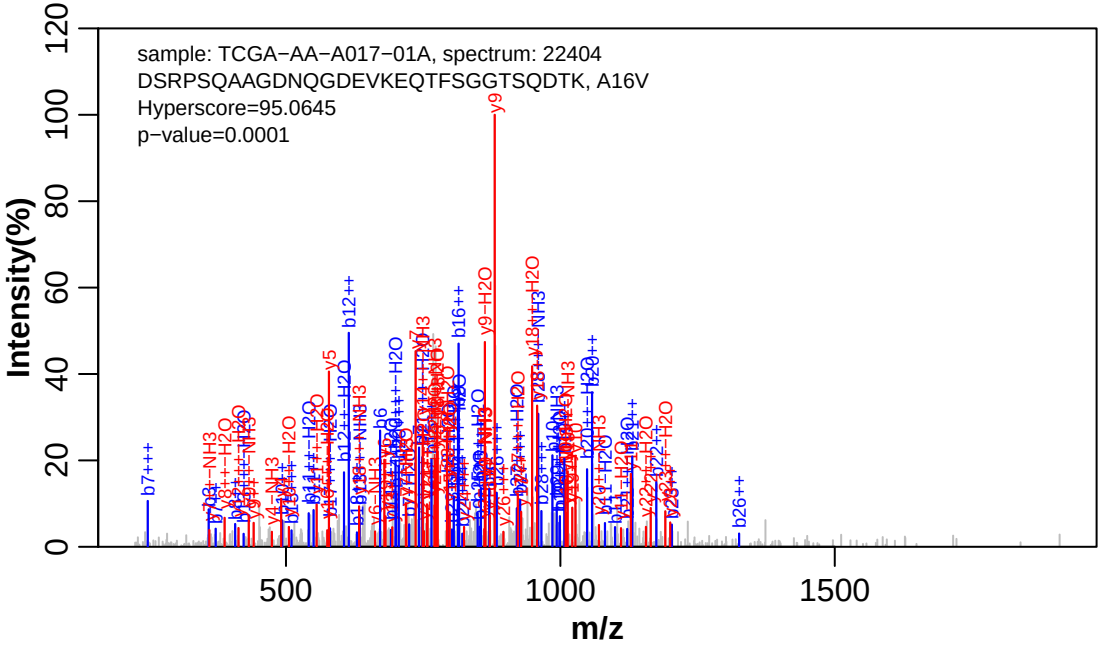

sample: TCGA−AA−A017−01A, spectrum: 27841
AVPTWANVQVVDDPGSLASVESPGTPK, S2N
Hyperscore=53.4933
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y3++−H2O
b4
y8++−H2O
y9++
y5−H2O
y5
y6
b5
y6−H2O
b6
b6−H2O
b12++
y11++
y7−H2O
y7
b17++−H2O
b17++
b20++−H2O
b16
b11
b25++
b13
y25++−H2O
y15−H2O
b16
b17
b18
b19
b20−NH3

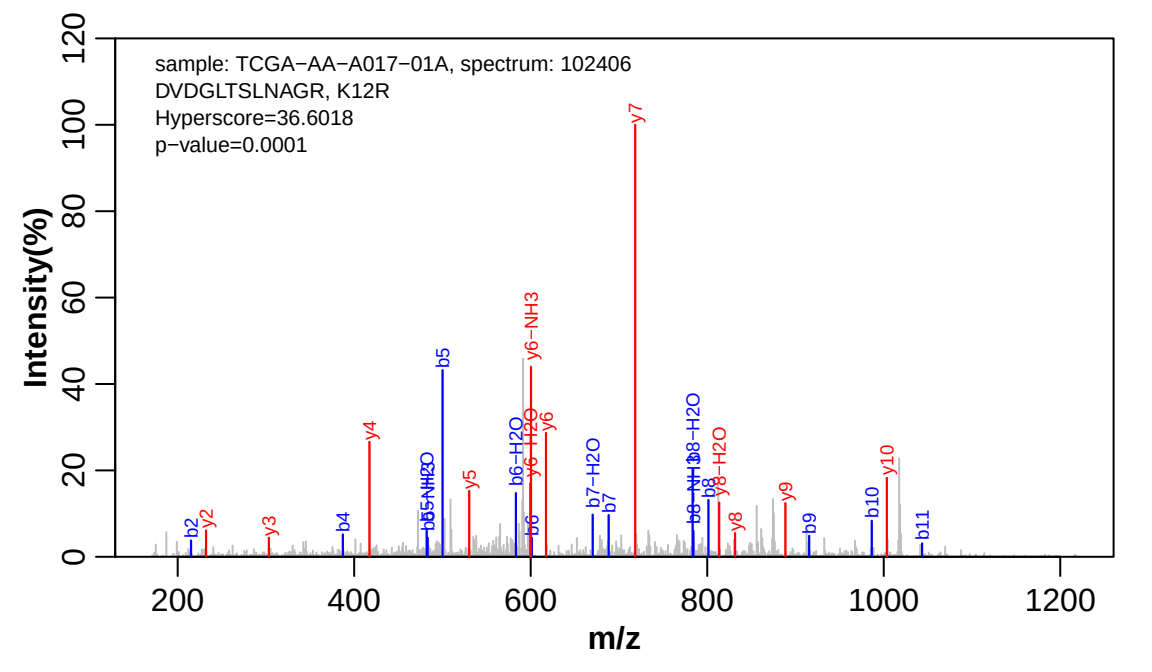

sample: TCGA−AA−A017−01A, spectrum: 113088
AVTDFTSEVTYDPPGR, A14P
Hyperscore=34.3181
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
b6−H2O
b6
b7
y7
b8
b9
b9−H2O
y8
y10
b10
b11
b12
b13−NH3

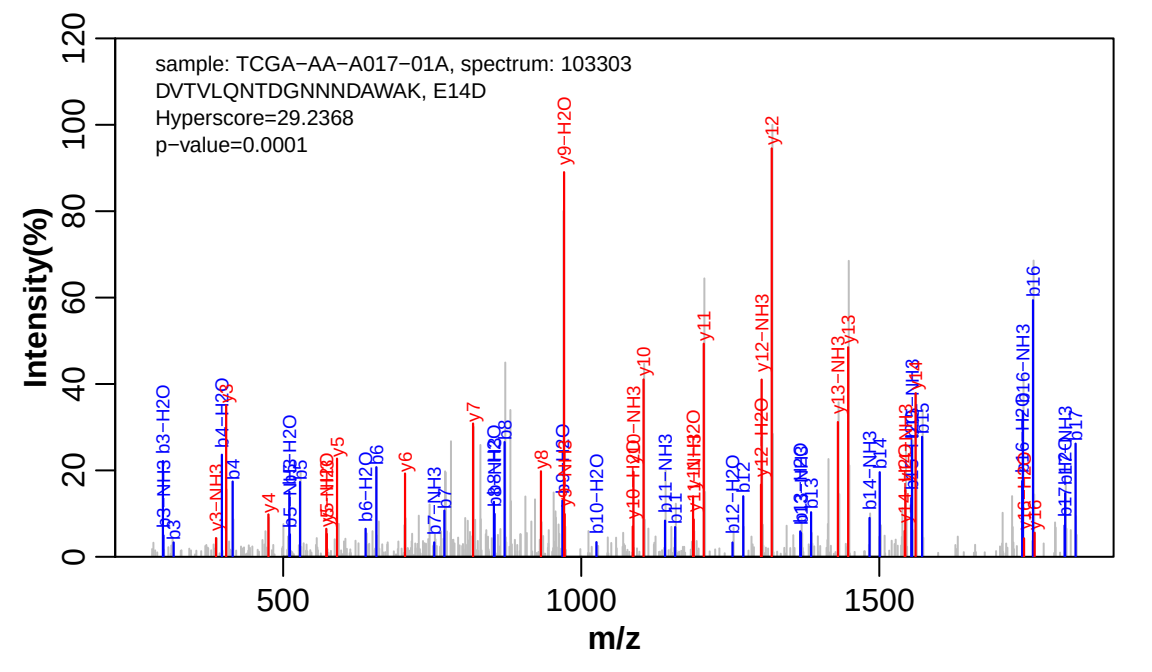

sample: TCGA−AA−A017−01A, spectrum: 8165
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=36.2149
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
y5
y6
b6
y7
y8
b8
y9
b9
b10
y11
b11
y12
b12
b13
b16

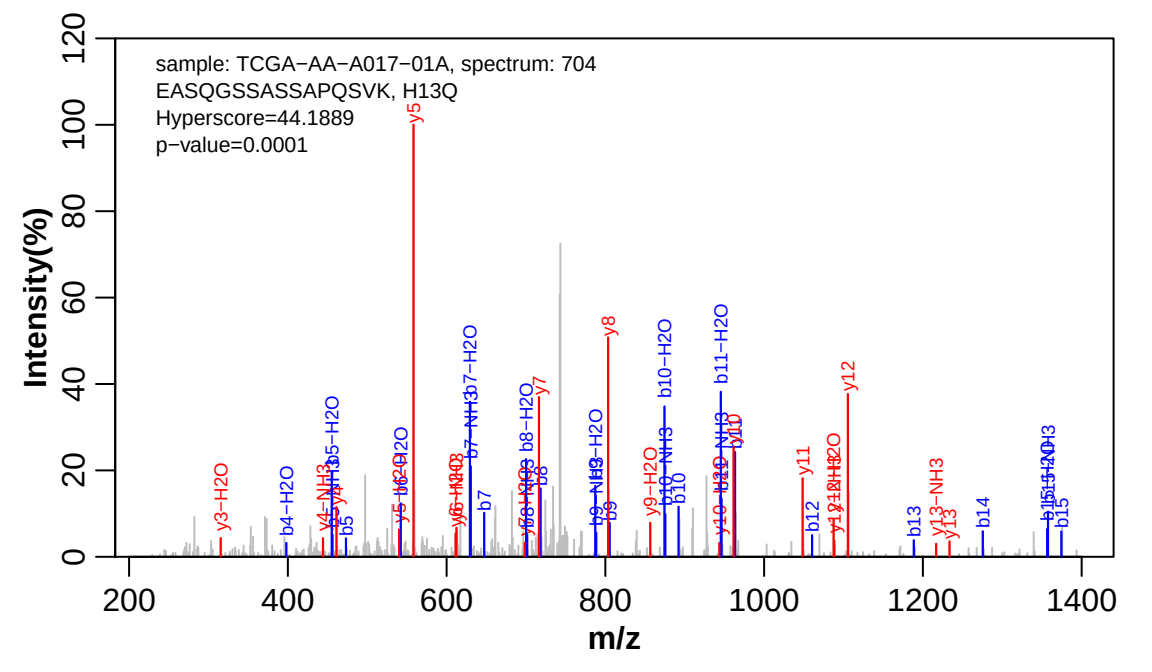

sample: TCGA−AA−A017−01A, spectrum: 111626
DGYGFLNR, N1D
Hyperscore=26.9786
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

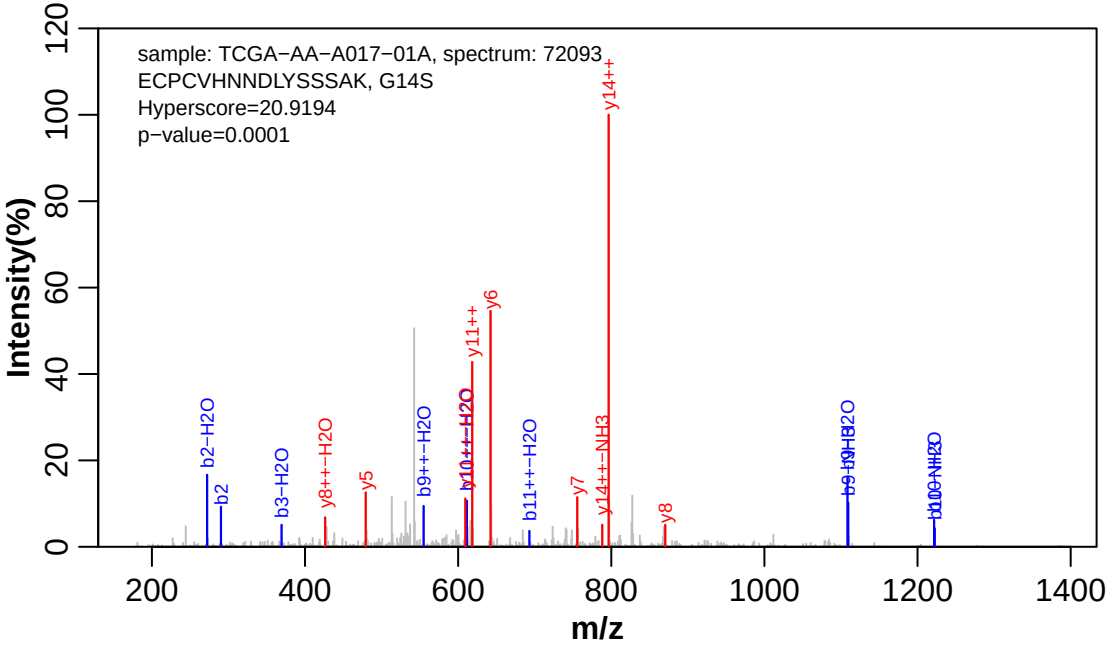

sample: TCGA−AA−A017−01A, spectrum: 143924
DSKEPFSSVELQAALSK, E3K
Hyperscore=59.9676
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y2
b9++
b15++
b14++
y7
y6−NH3
b10++
y11++
y6
b11

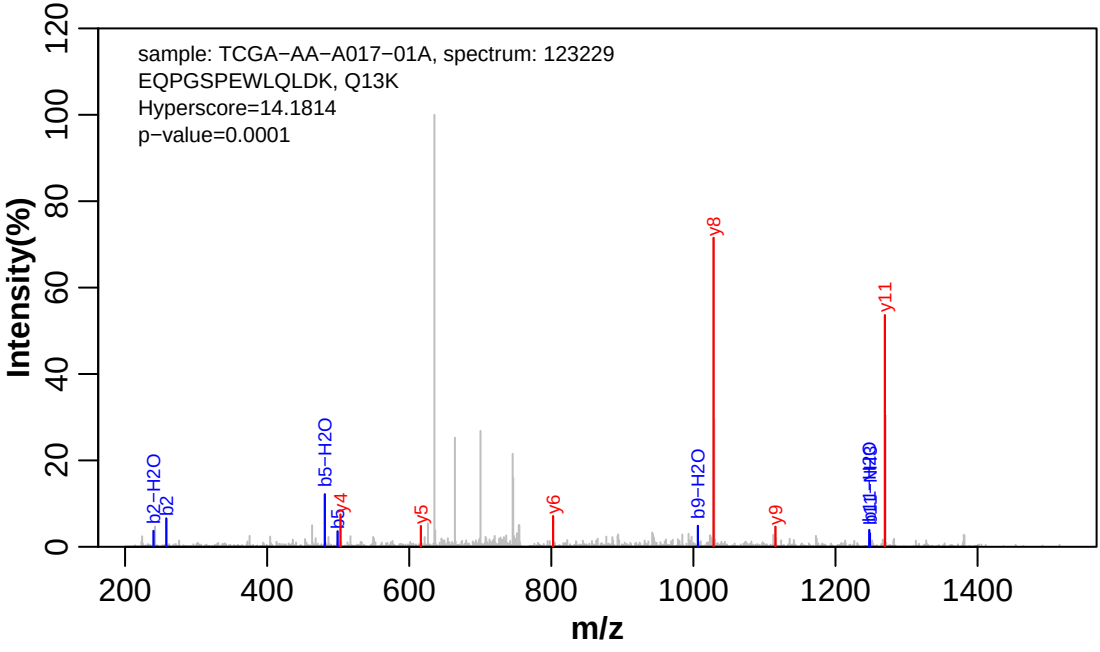

sample: TCGA−AA−A017−01A, spectrum: 22404
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=95.0645
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

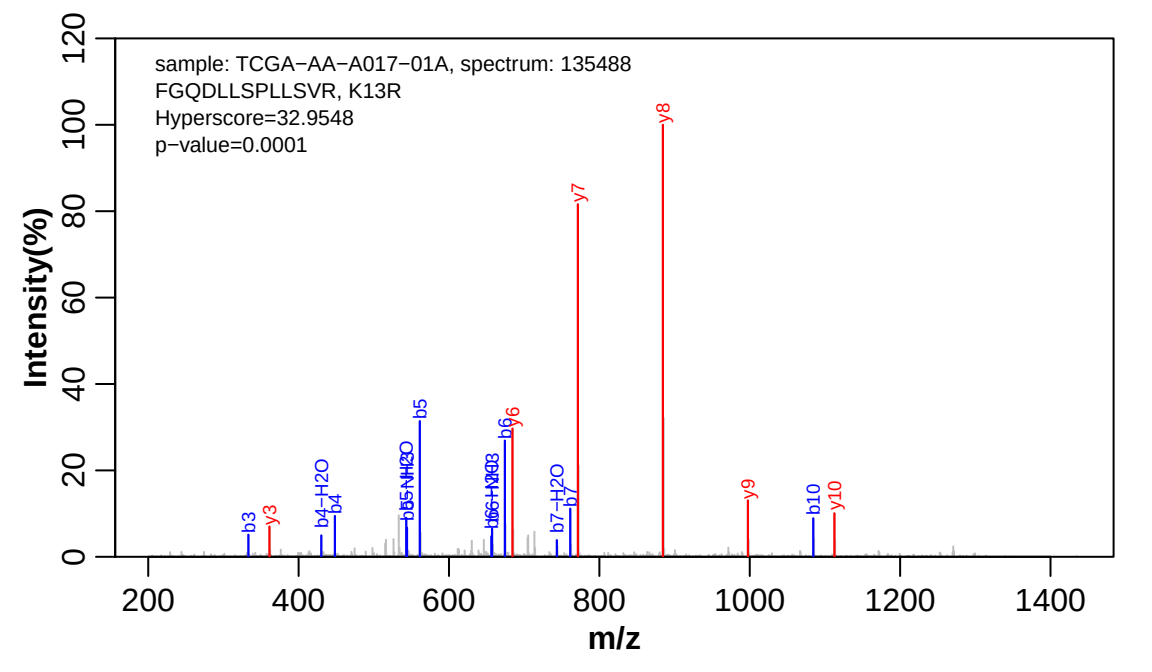

sample: TCGA−AA−A017−01A, spectrum: 102406
DVDGLTSLNAGR, K12R
Hyperscore=36.6018
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b4
y4
b5
b5−NH3
b5−H2O
y5
b6−H2O
y6−NH3
y6−H2O
y6
b6
b7−H2O
b7
b8−NH3
b8−H2O
b8
y8−H2O
y7
y8
y9
b9
b10
y10
b11

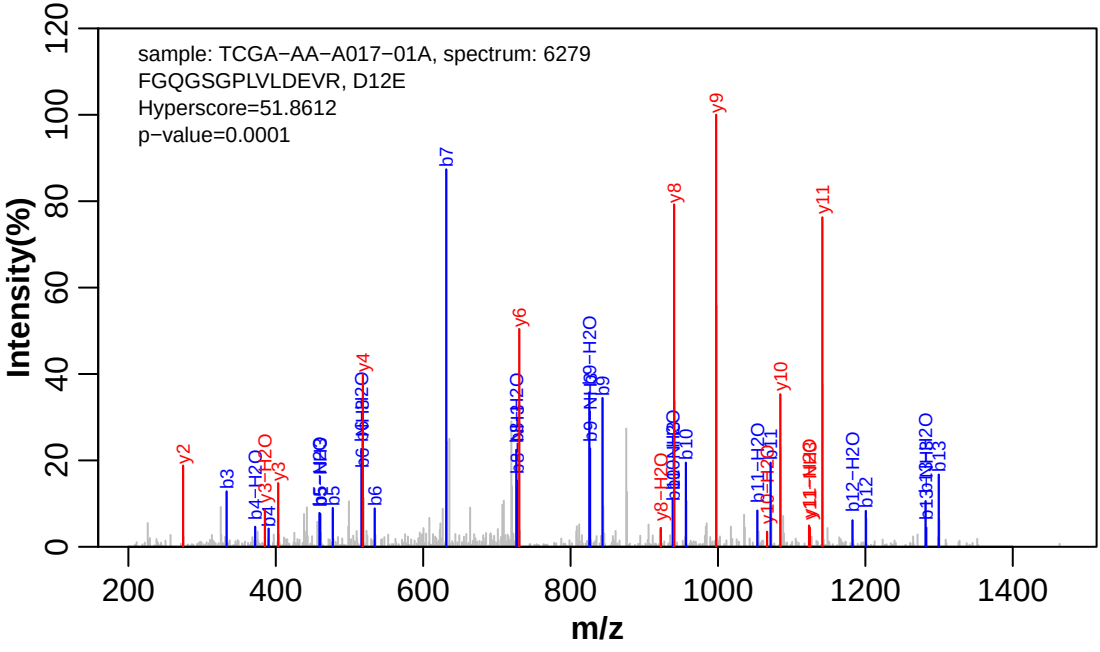

sample: TCGA−AA−A017−01A, spectrum: 103303
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=29.2368
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9−H2O
y12
y11
y10
y13
b16
y12−NH3
y13−NH3
y10−H2O
y10−NH3
y12−H2O
b10−H2O
y9
y7
y6
y8
y5
y4
b3
b4
b5
b6
b7
b8
b9
b11
b12
b14
b15
b17
b3−NH3
b3−H2O
y3−NH3
b4−H2O
y3
b5−NH3
b5−H2O
b6−H2O
b7−NH3
b11−NH3
b12−H2O
b14−NH3
b16−NH3
b16−H2O
b17−NH3

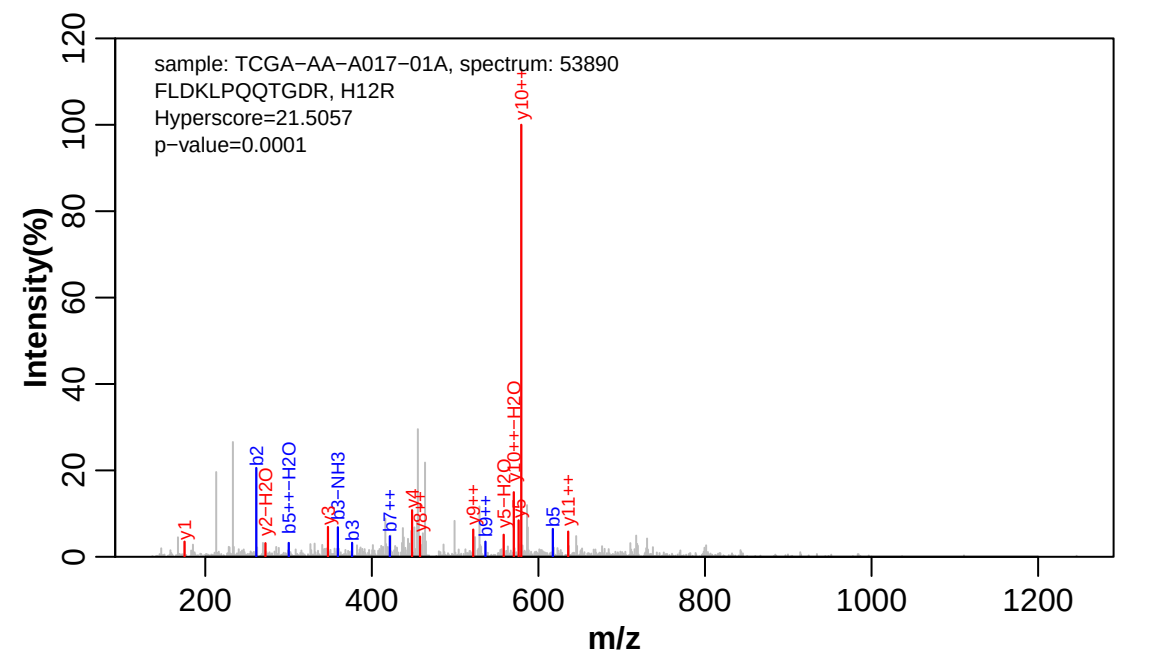

sample: TCGA−AA−A017−01A, spectrum: 704
EASQGSSASSAPQSVK, H13Q
Hyperscore=44.1889
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y8
y12
y3−H2O
b4−H2O
b5−H2O
b7−H2O
b10−H2O
b11−H2O
y9−H2O
y11
b12
b13
y13−NH3
y13
b14
b15

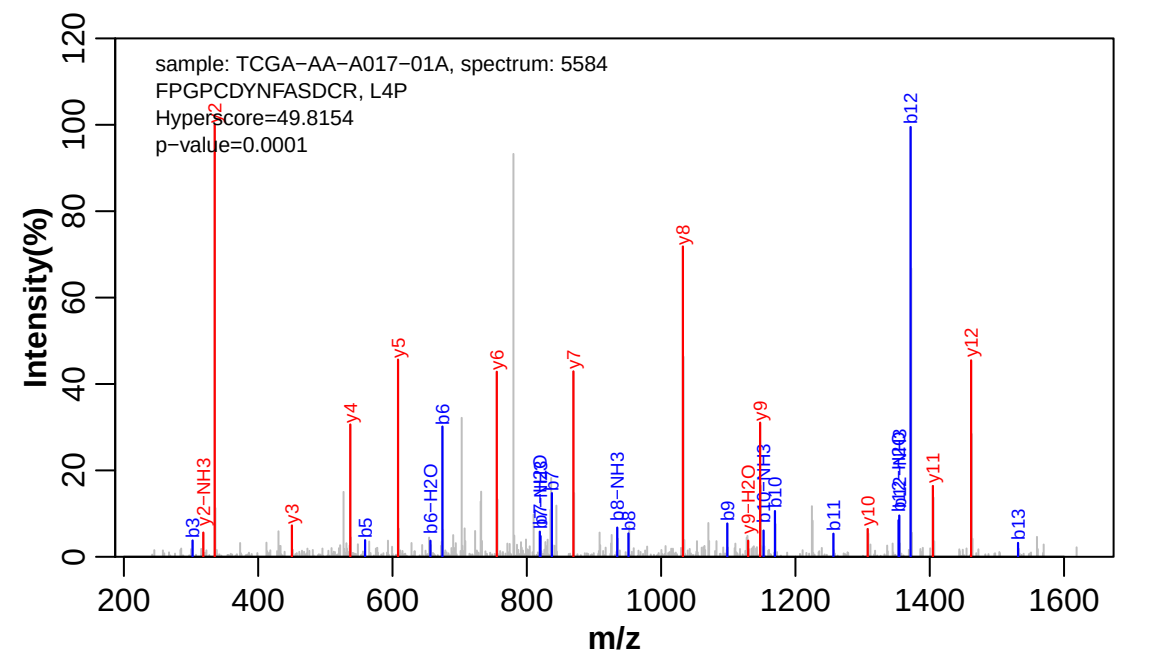

sample: TCGA−AA−A017−01A, spectrum: 72093
ECPCVHNNDLYSSSAK, G14S
Hyperscore=20.9194
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b2
b3−H2O
y8++−H2O
y5
b9++−H2O
y10++−H2O
y11++
y6
b11++−H2O
y7
y14++−NH3
y8
y14++

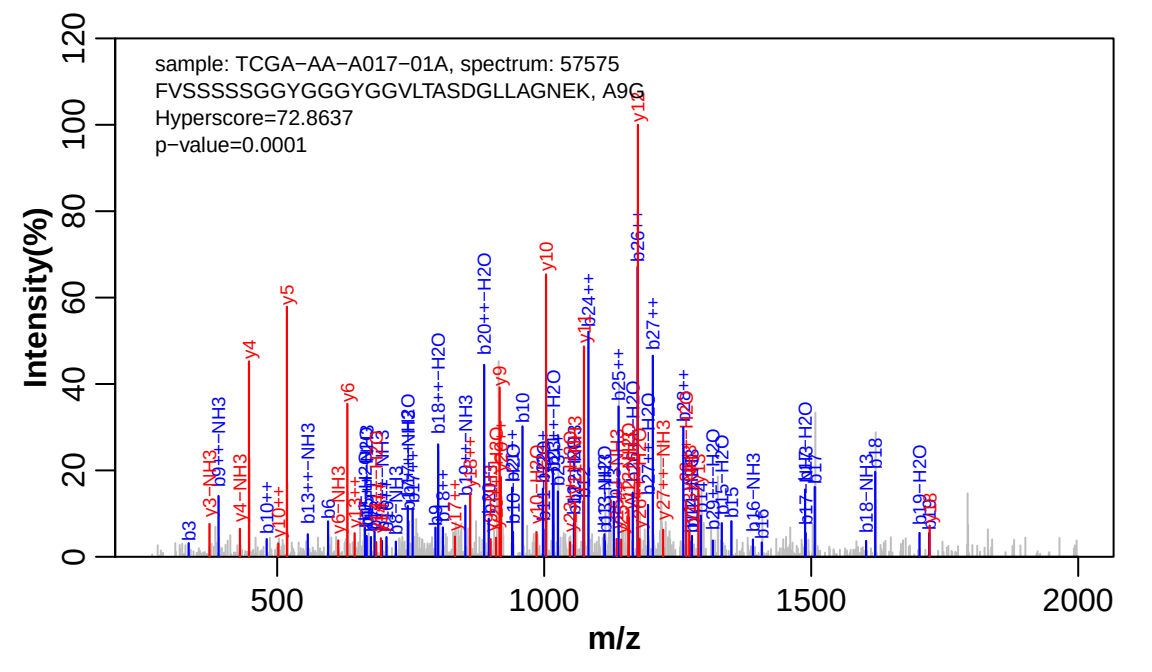

sample: TCGA−AA−A017−01A, spectrum: 123229
EQPGSPEWLQLDK, Q13K
Hyperscore=14.1814
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b2
b5−H2O
b5
y4
y5
y6
b9−H2O
y8
y9
y11

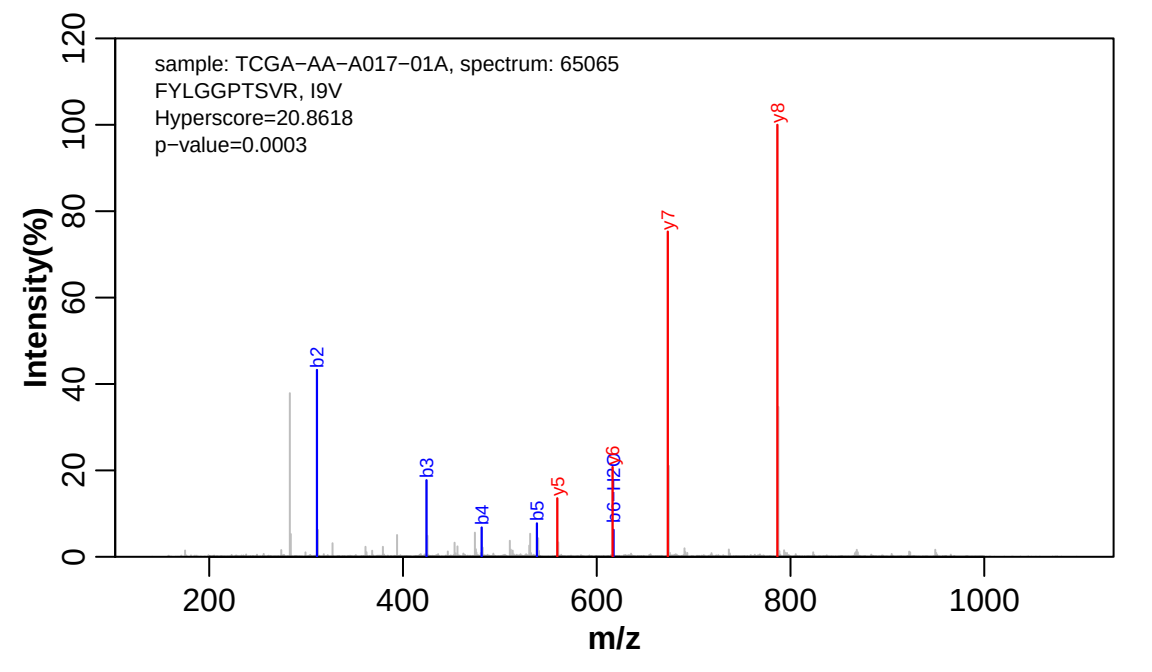

sample: TCGA−AA−A017−01A, spectrum: 135488
FGQDLLSPLLSVR, K13R
Hyperscore=32.9548
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5
y6
b7−H2O
b7
y7
y8
y9
b10
y10

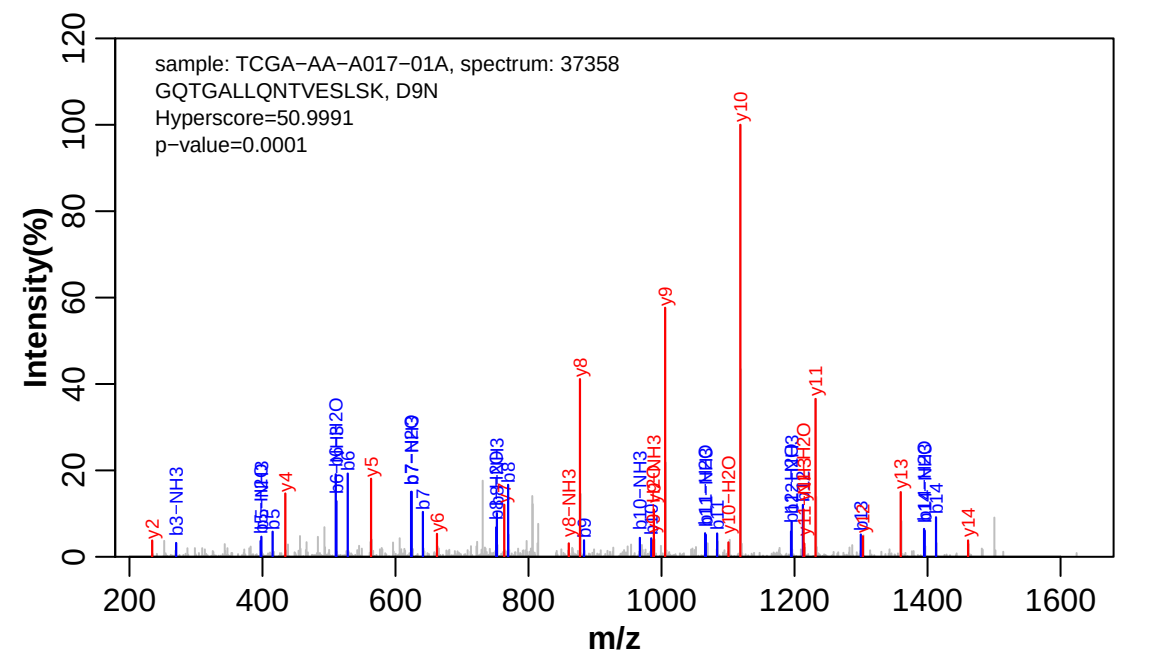

sample: TCGA−AA−A017−01A, spectrum: 6279
FGQGSGPLVLDEVR, D12E
Hyperscore=51.8612
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
b4−H2O
b4
y3−H2O
y3
b5
b6
y4
b7
y6
b9
y8−H2O
y8
b10
y9
y10
b11−H2O
b11
y11
b12−H2O
b12
b13−H2O
b13

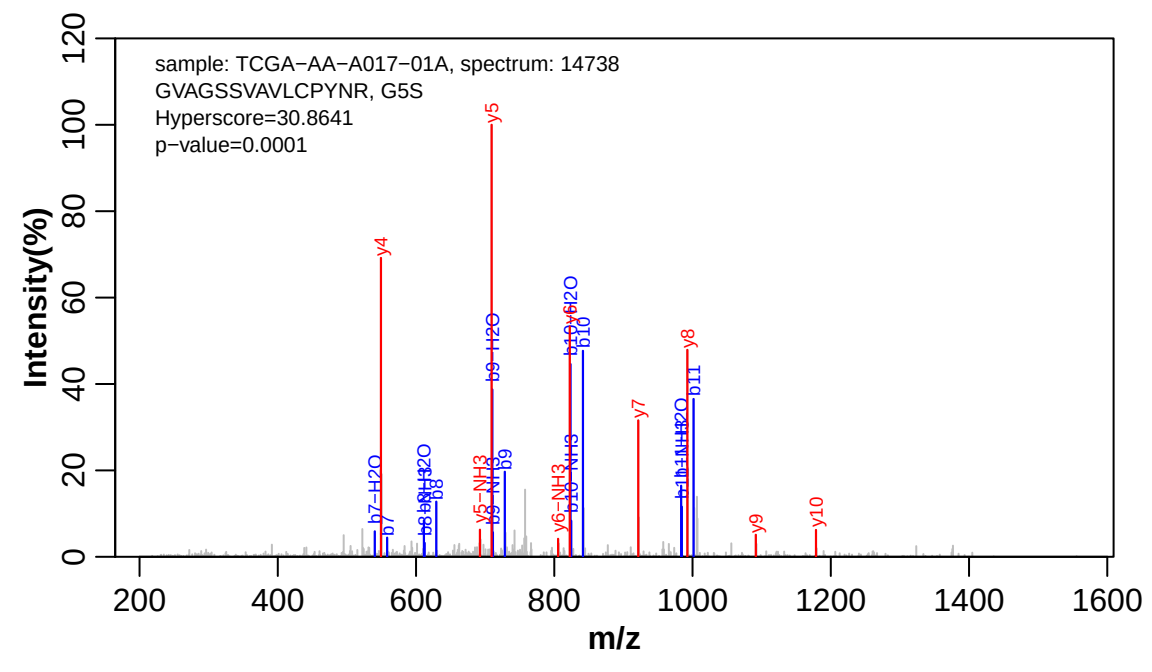

sample: TCGA−AA−A017−01A, spectrum: 53890
FLDKLPQQTGDR, H12R
Hyperscore=21.5057
p−value=0.0001
Intensity(%)
m/z
y10++
y10++−H2O
y2−H2O
b2
b5++−H2O
y3
b3−NH3
b3
b7++
y8−y4
y8
y9++
b9++
y5−H2O
b5
y11++
y1
0
20
40
60
80
100
120
200
400
600
800
1000
1200

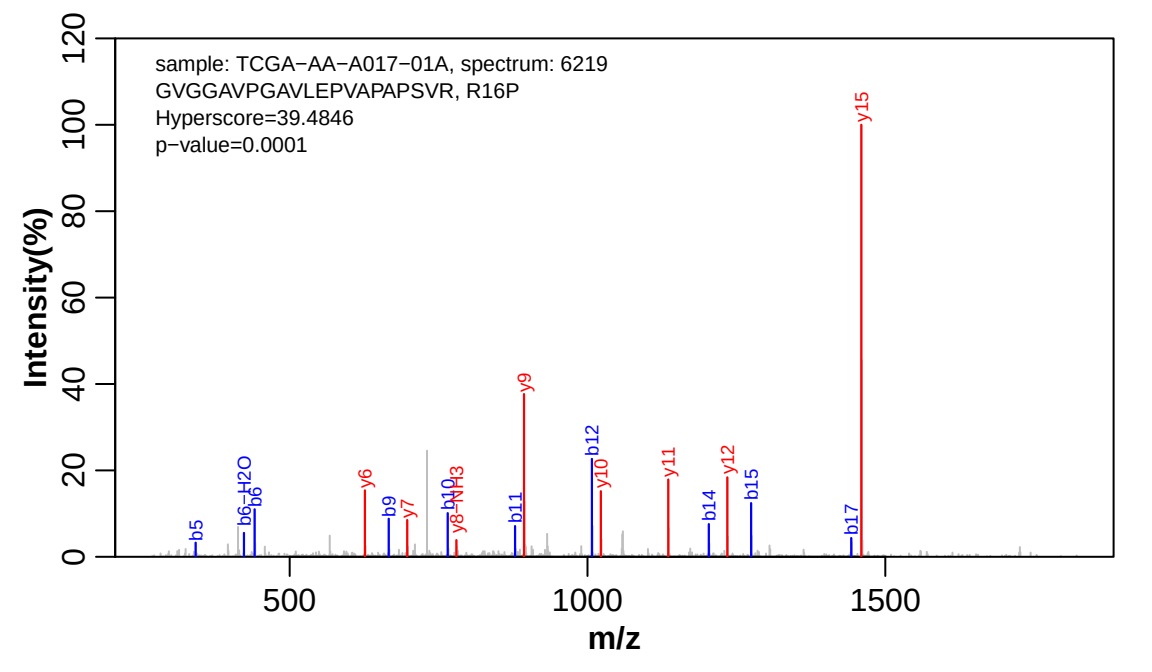

sample: TCGA−AA−A017−01A, spectrum: 5584
FPGPCDYNFASDCR, L4P
Hyperscore=49.8154
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y2−NH3
y2
y3
y4
b5
y5
b6−H2O
b6
y6
y7
b8−NH3
b8
y8
b9
y9−H2O
y9
b10−NH3
b10
b11
y10
b12−NH3
b12
y11
y12
b13

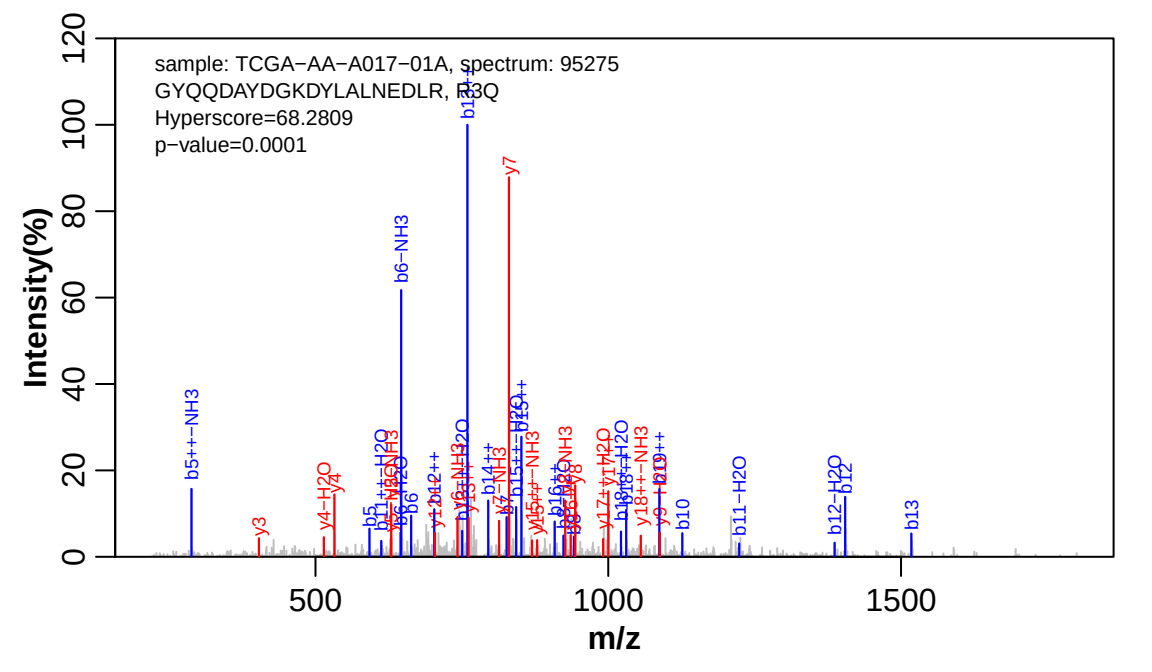

sample: TCGA−AA−A017−01A, spectrum: 57575
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=72.8637
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

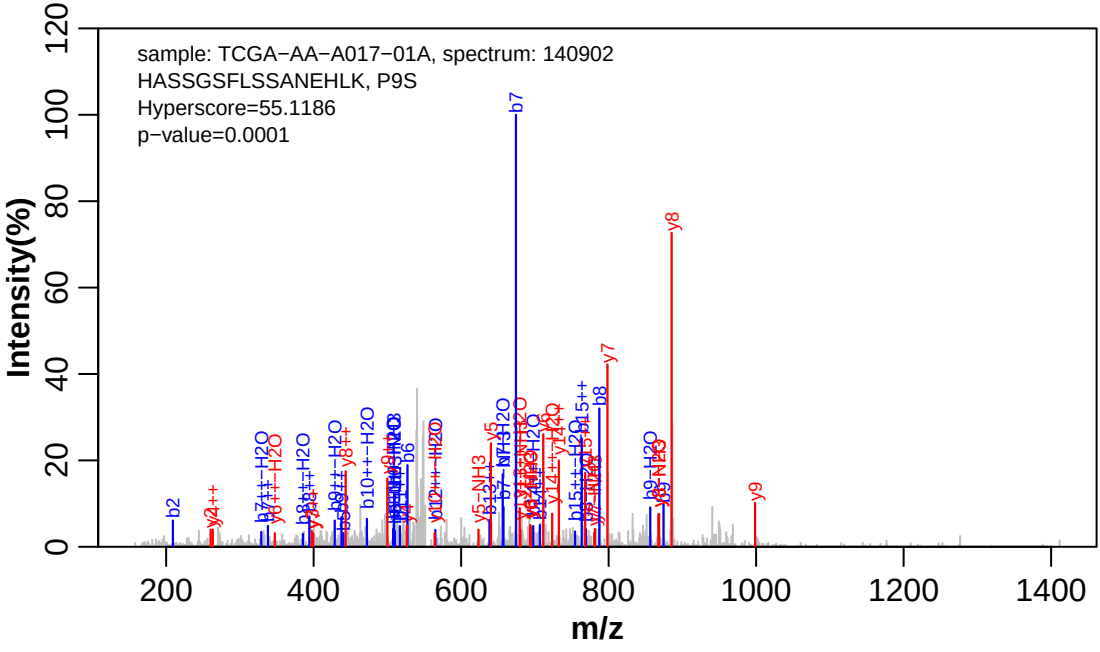

sample: TCGA−AA−A017−01A, spectrum: 65065
FYLGGPTSVR, I9V
Hyperscore=20.8618
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

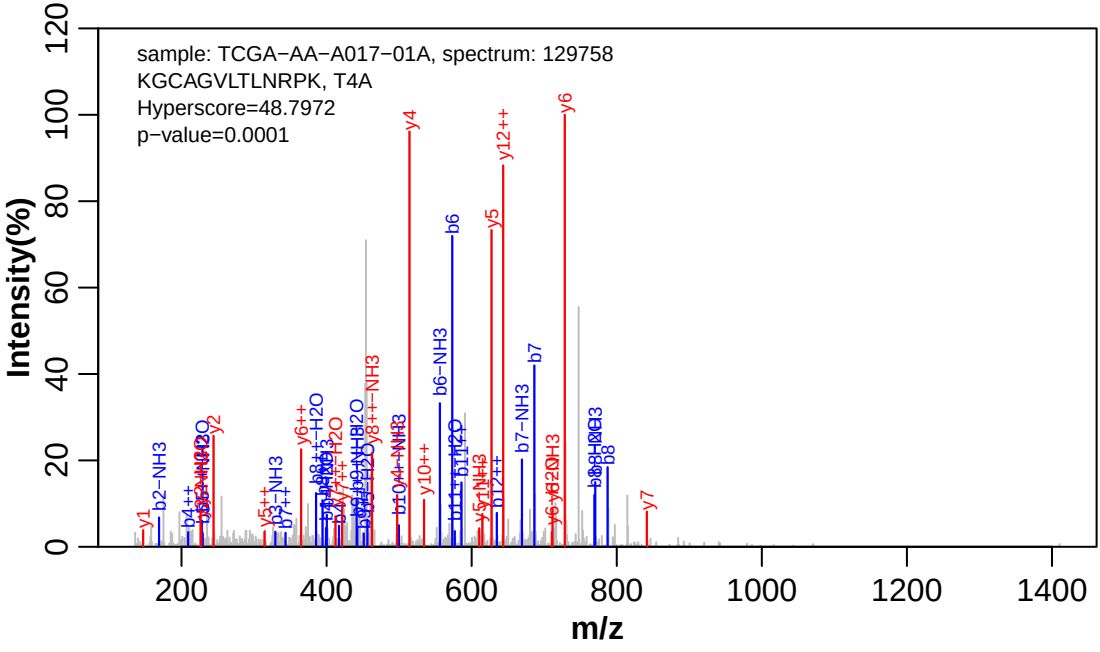

sample: TCGA−AA−A017−01A, spectrum: 37358
GQTGALLQNTVESLSK, D9N
Hyperscore=50.9991
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3−NH3
y4
b6−H2O
y5
b7−NH3
y6
y8
y8−NH3
b9
y9
b10−NH3
y10
y10−H2O
y11
y13
y14

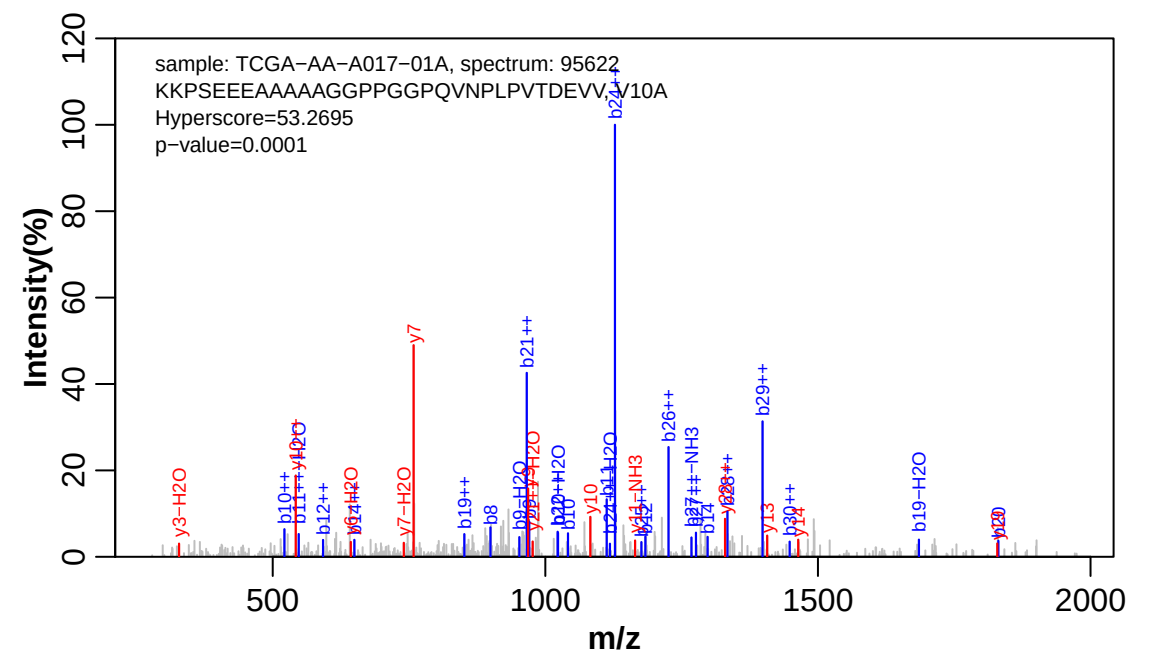

sample: TCGA−AA−A017−01A, spectrum: 14738
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.8641
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y4
b9−H2O
b10−H2O
b10
y8
b11
y7
b7−H2O
b7
b8−H2O
b8
y5−NH3
b9−NH3
b9
y6−NH3
b10−NH3
b11−NH3
b11−H2O
y9
y10

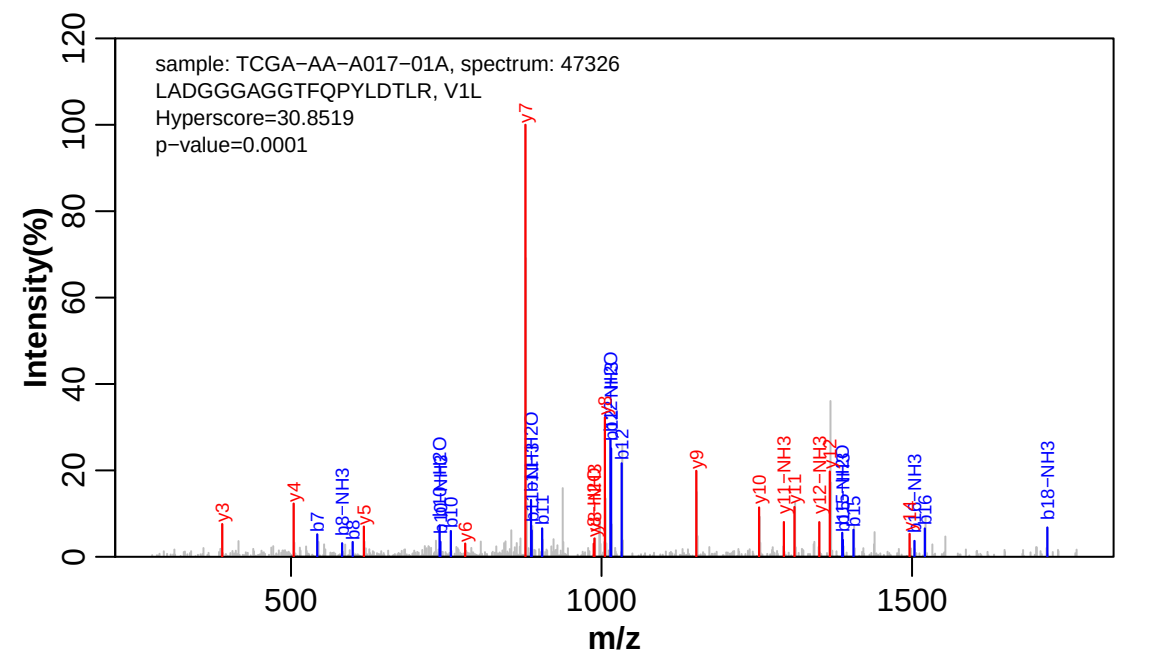

sample: TCGA−AA−A017−01A, spectrum: 6219
GVGGAVPGAVLEPVAPAPSVR, R16P
Hyperscore=39.4846
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6−H2O
b6
y6
b9
y7
b10
y8−NH3
y9
b11
b12
y10
y11
b14
y12
b15
y15
b17

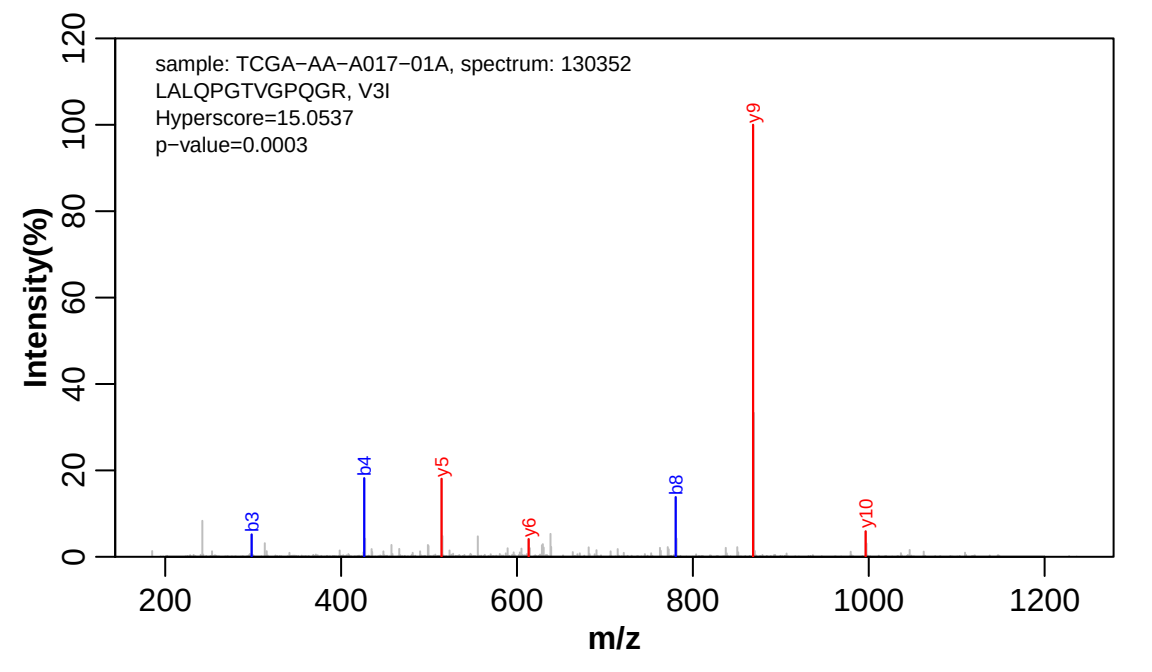

sample: TCGA−AA−A017−01A, spectrum: 95275
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=68.2809
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5++−NH3
y3
y4−H2O
y4
b5
b6−NH3
b6
y7
b13++
y7−NH3
b14++
b15++−H2O
b15++
y8
y17−H2O
y17
y18++−NH3
y9++
b10
b11−H2O
b12−H2O
b12
b13

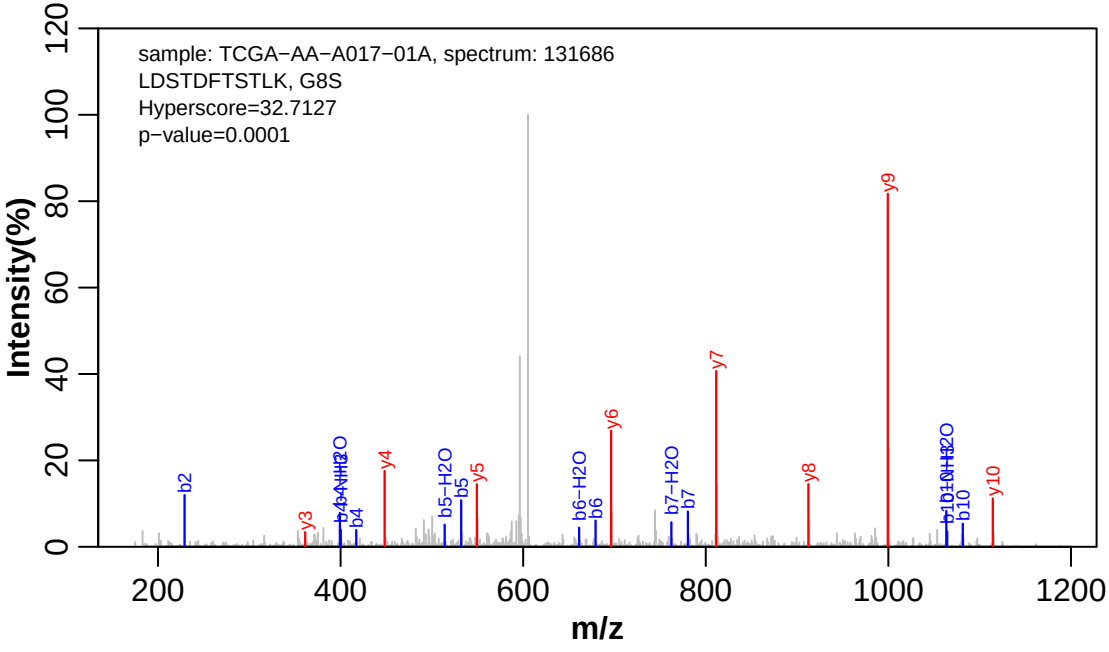

sample: TCGA−AA−A017−01A, spectrum: 140902
HASSGSFLSSANEHLK, P9S
Hyperscore=55.1186
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y4++
b7++−H2O
y8++−H2O
b8++−H2O
y8++
b9++−H2O
b10++−H2O
b6
y10++−H2O
y5−NH3
b7−NH3
b7
y5
y14++
b15++−H2O
b15++
b8
y7
b9−H2O
y9
b7
y8

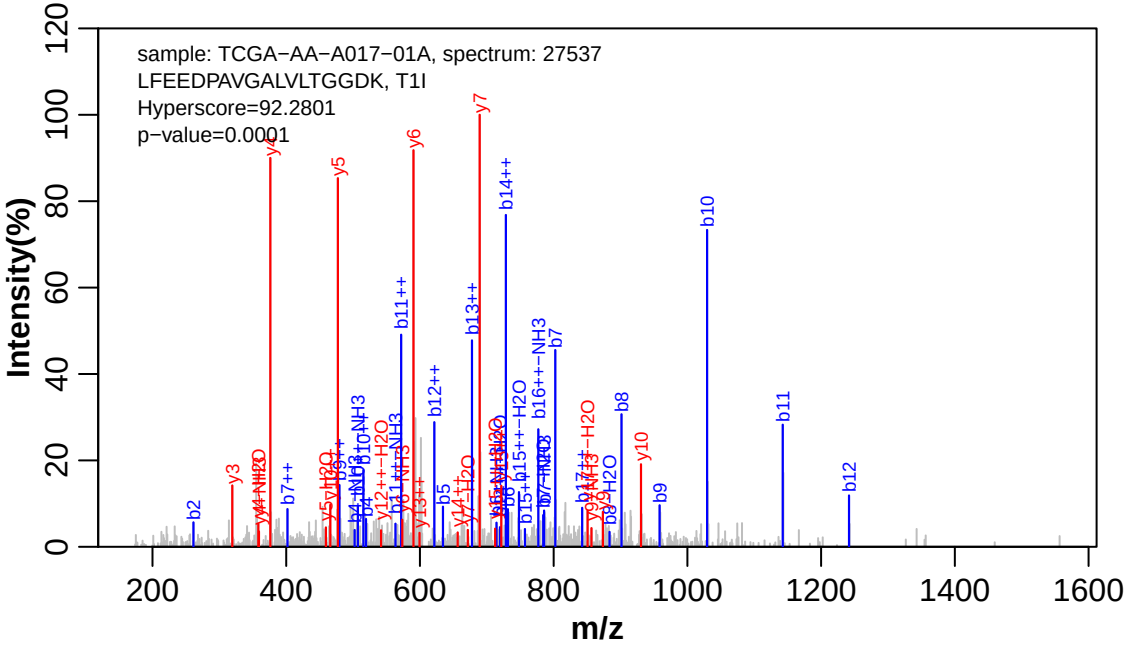

sample: TCGA−AA−A017−01A, spectrum: 129758
KGCAGVLTLNRPK, T4A
Hyperscore=48.7972
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
y6
y12++
y5
b6
b6−NH3
b7
b7−NH3
y8++−NH3
y6++
y7

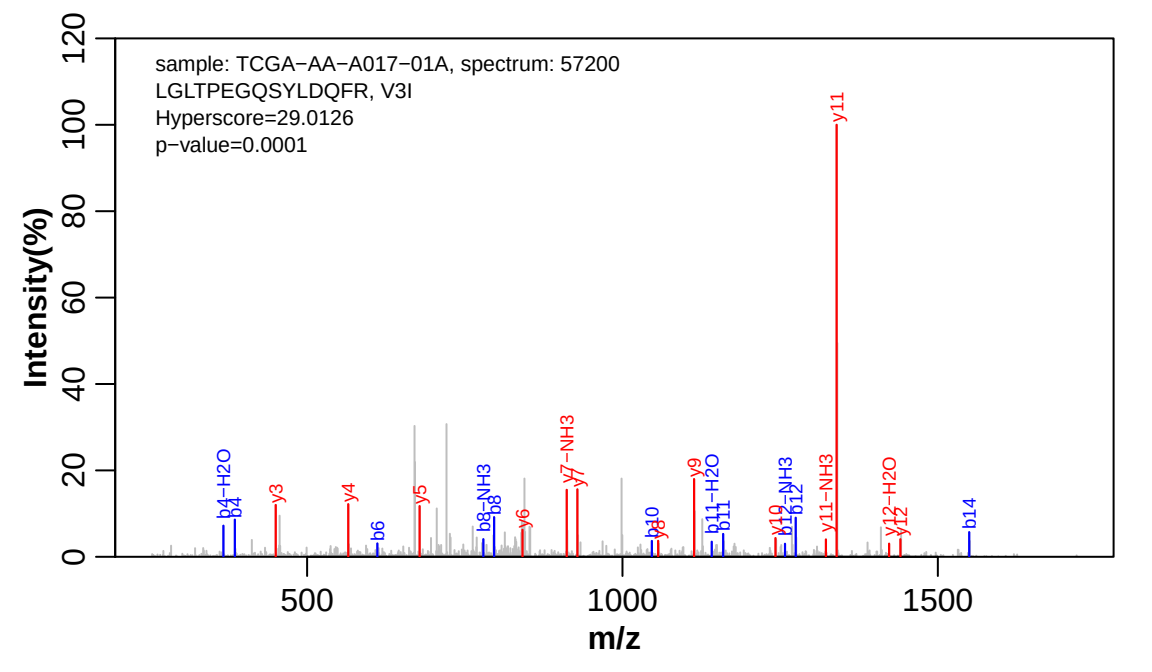

sample: TCGA−AA−A017−01A, spectrum: 95622
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV_V10A
Hyperscore=53.2695
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3−H2O
b10++
b11++
y10−H2O
b12++
y14++
y14−H2O
y7−H2O
y7
b19++
b8
b9−H2O
y21++−H2O
b21++
b10
b22++
b11−H2O
y10
b22−NH3
b24
b26++
b27++−NH3
b27
b14
y28++
b29++
y13
y14
b30++
b19−H2O
y20

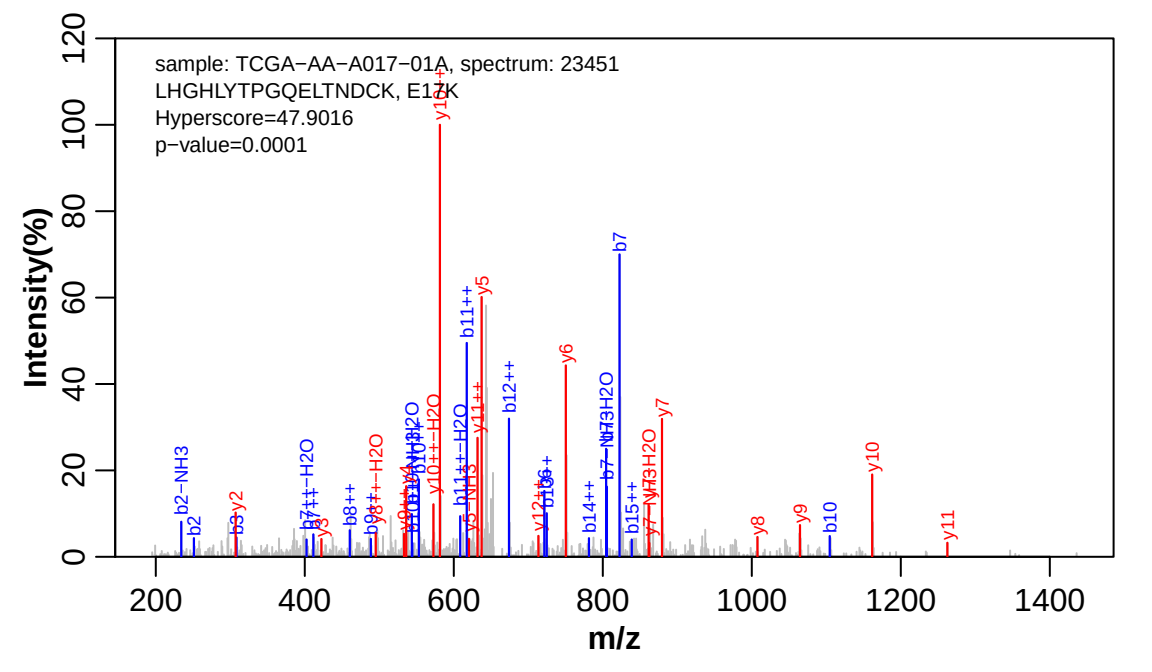

sample: TCGA−AA−A017−01A, spectrum: 47326
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=30.8519
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y3
y4
b7
b8−NH3
b8
y5
y6
b10
b11
b12
y9
y10
y11−NH3
y11
y12−NH3
y12
b15
b16−NH3
b16
b18−NH3

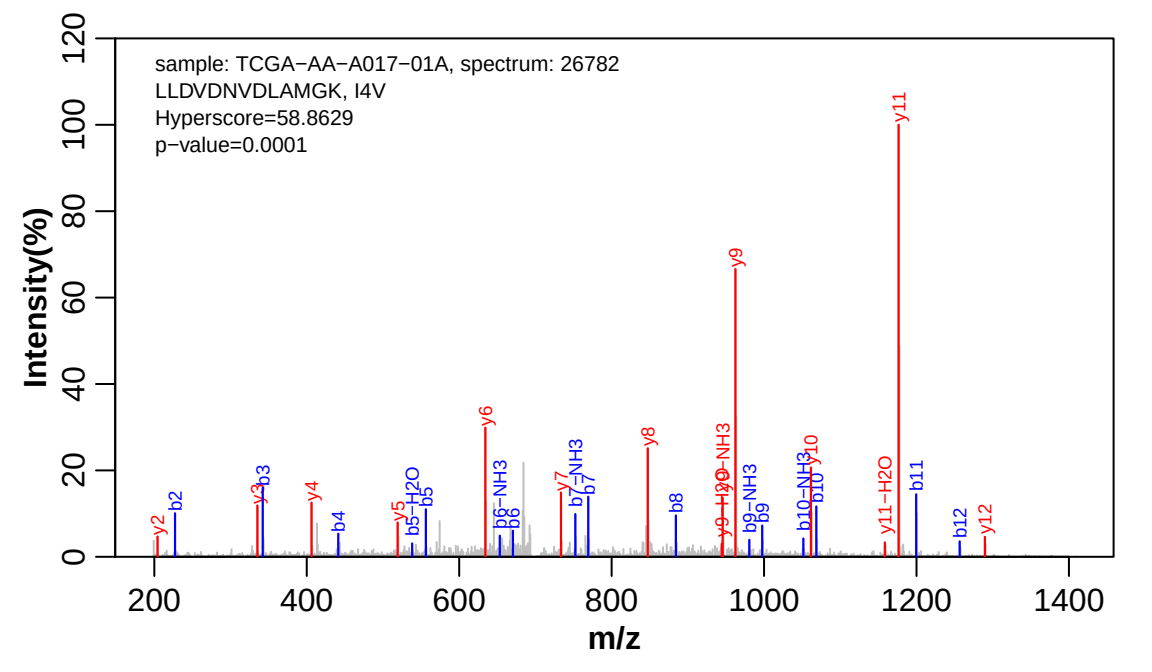

sample: TCGA−AA−A017−01A, spectrum: 130352
LALQPGTVGPQGR, V3I
Hyperscore=15.0537
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b3
b4
y5
y6
b8
y9
y10

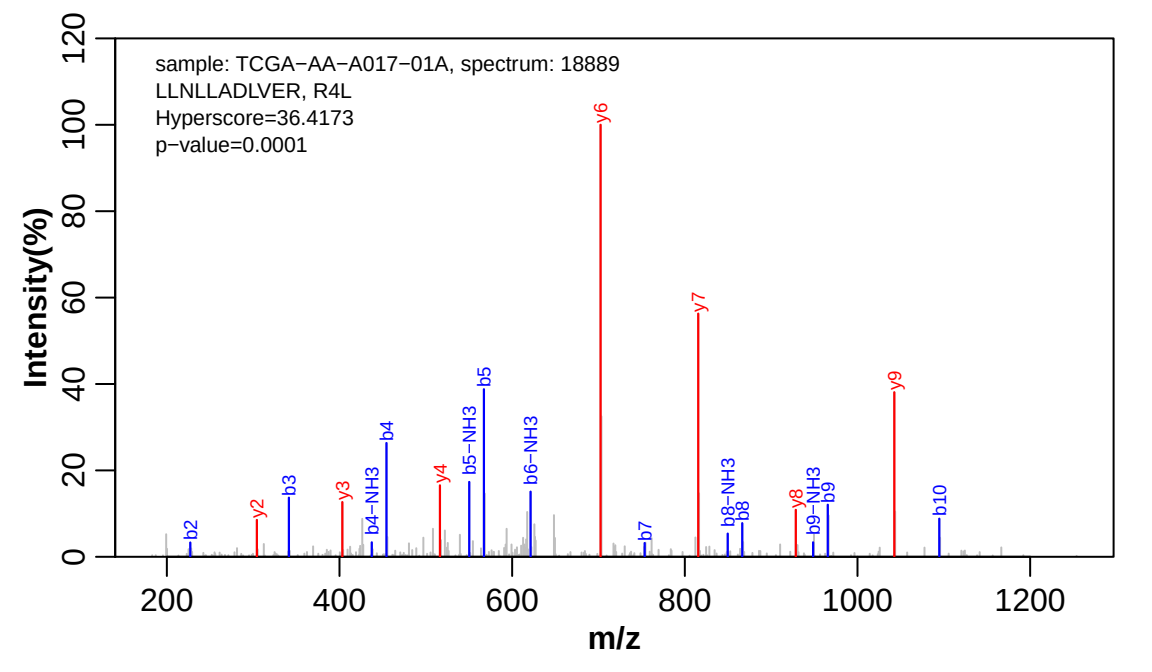

sample: TCGA−AA−A017−01A, spectrum: 131686
LDSTDFTSTLK, G8S
Hyperscore=32.7127
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
y3
b4−NH3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9
b10−NH3
b10−H2O
b10
y10

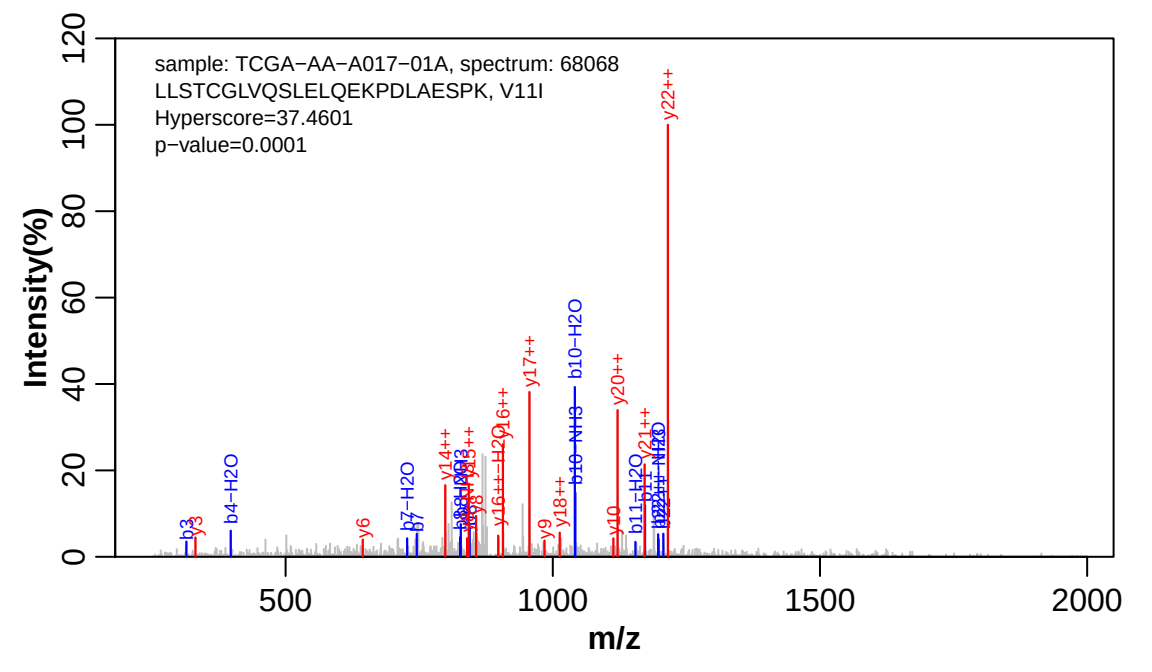

sample: TCGA−AA−A017−01A, spectrum: 27537
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=92.2801
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y6
y4
y5
b14++
b10
b11++
b13++
b12++
b11
b12
b8
b7
b7++
b2
y3
y10
b9
y13++
b5
b16++−NH3
b15++−H2O
b17++−H2O

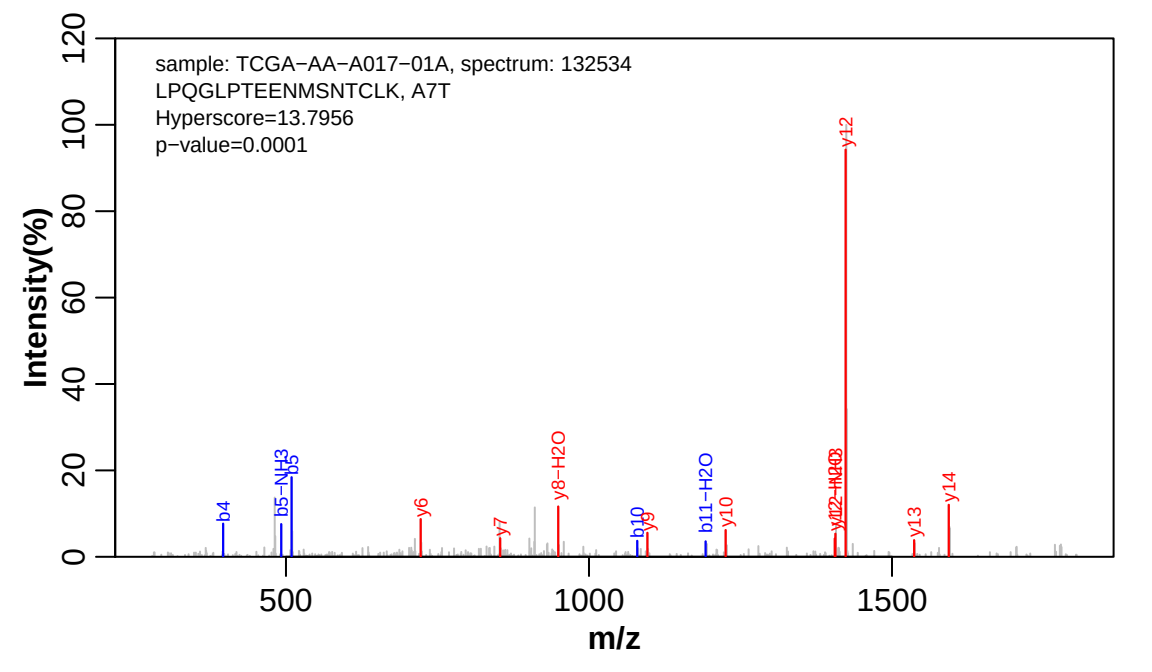

sample: TCGA−AA−A017−01A, spectrum: 57200
LGLTPEGQSYLDQFR, V3I
Hyperscore=29.0126
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
b4
y3
y4
b6
y5
b8−NH3
b8
y6
y7−NH3
y7
b10
y8
y9
b11−H2O
b11
y10
b12−NH3
b12
y11
y11−NH3
y12−H2O
y12
b14

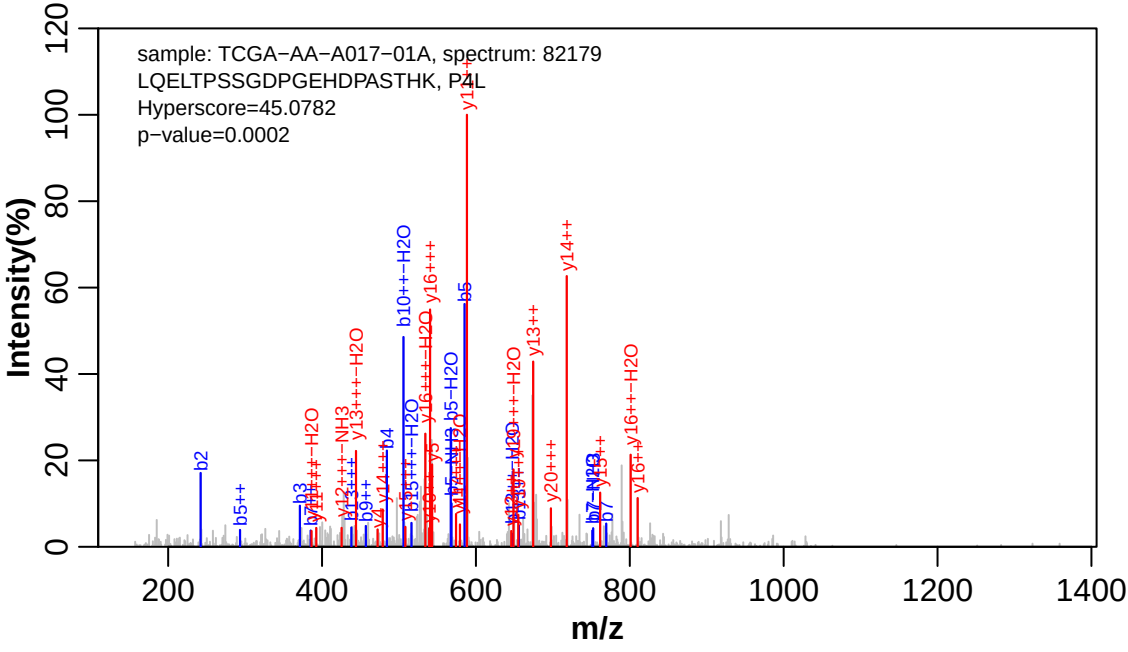

sample: TCGA−AA−A017−01A, spectrum: 23451
LHGHLYTPGQELTNDCK, E1N
Hyperscore=47.9016
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−NH3
b2
b3−y2
b7++−H2O
y3
b8++
b9++−H2O
y10++−H2O
b11++−H2O
y5−NH3
b11++
y11++
y5
b12++
y6
b14++
b7−NH3H2O
b7
b15++
y7−NH3H2O
y7
y8
y9
b10
y10
y11

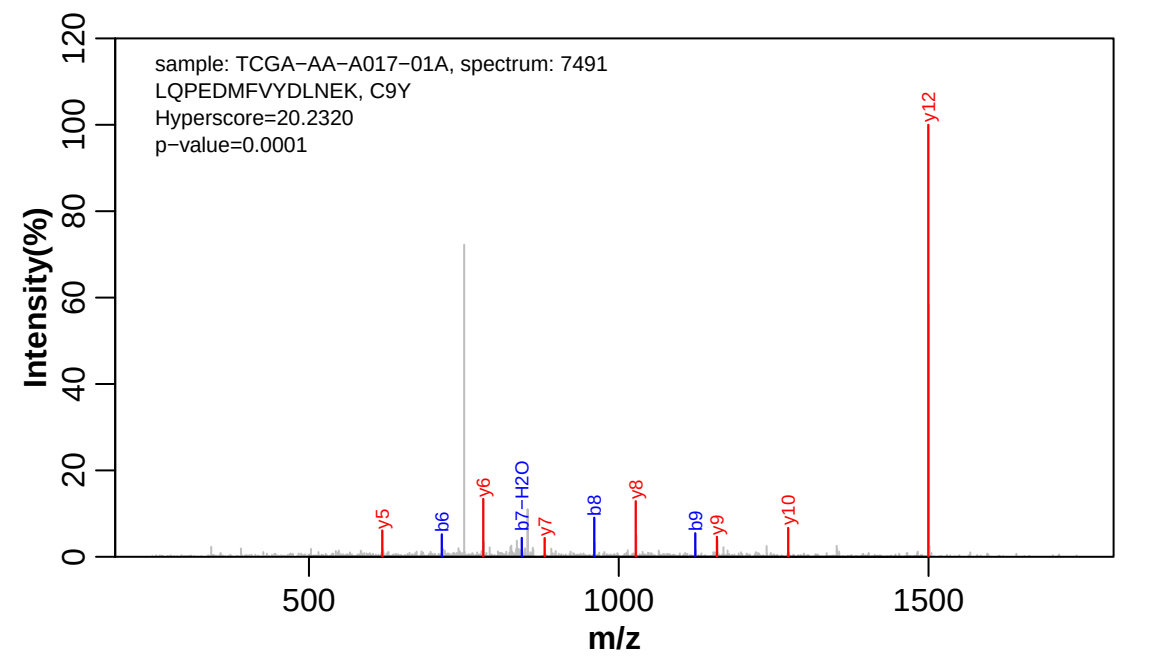

sample: TCGA−AA−A017−01A, spectrum: 26782
LLDVDNVDLAMGK, I4V
Hyperscore=58.8629
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b2
y3
b3
y4
b4
y5
b5−H2O
b5
y6
b6−NH3
b6
y7
b7−NH3
b7
y8
b8
y9−H2O−NH3
y9
b9−NH3
b9
b10−NH3
y10
b10
y11−H2O
y11
b11
b12
y12

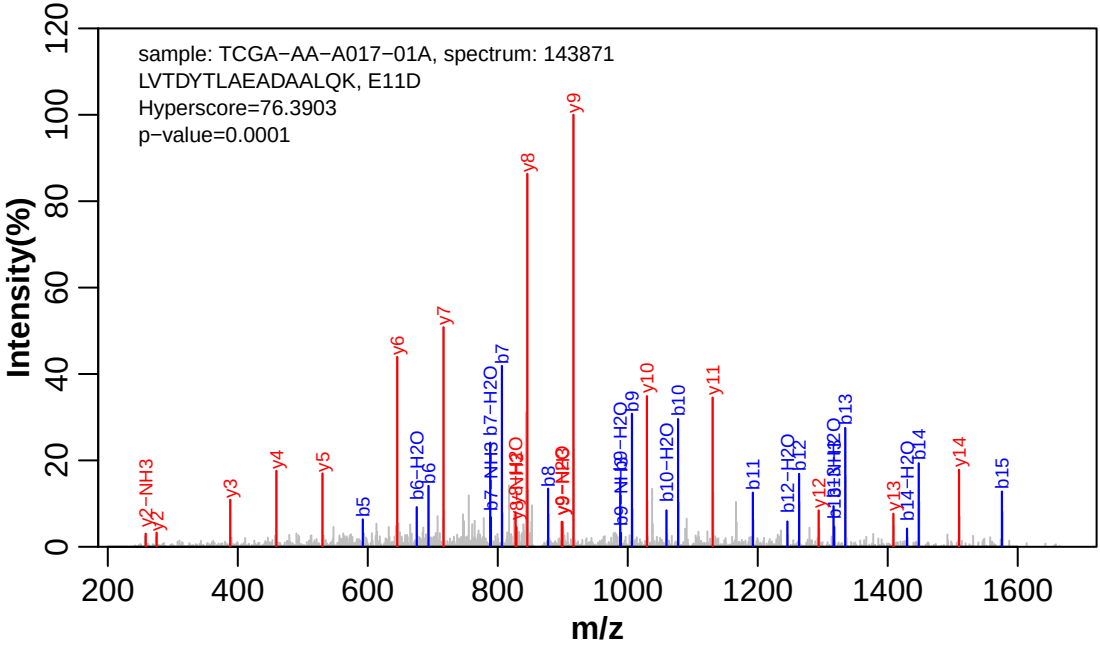

sample: TCGA−AA−A017−01A, spectrum: 18889
LLNLLADLVER, R4L
Hyperscore=36.4173
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

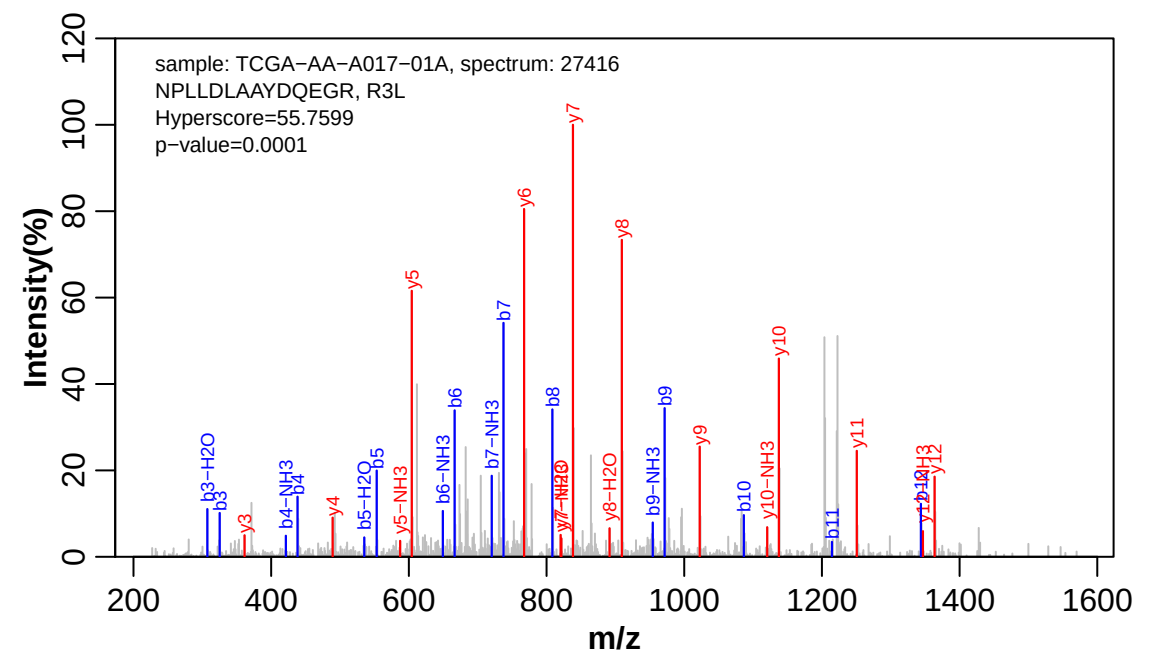

sample: TCGA−AA−A017−01A, spectrum: 68068
LLSTCGLVQSLELQEKPDLAESPK, V11I
Hyperscore=37.4601
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y22++
y17++
b10−H2O
y20++
y16++−H2O
y16++
y14++
b4−H2O
b7−H2O
y6
y3
b3
y18++
y9
y10
b11−H2O
y21++

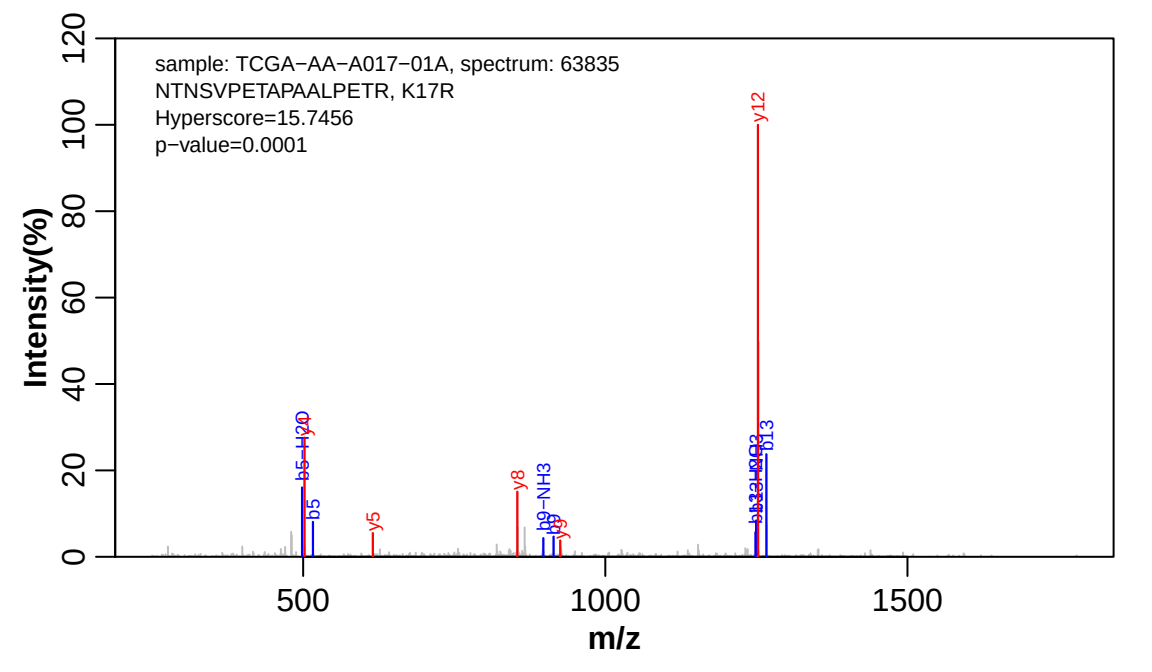

sample: TCGA−AA−A017−01A, spectrum: 132534
LPQGLPTEENMSNTCLK, A7T
Hyperscore=13.7956
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4
b5−NH3
b5
y6
y7
y8−H2O
b10
y9
b11−H2O
y10
y12
y13
y14

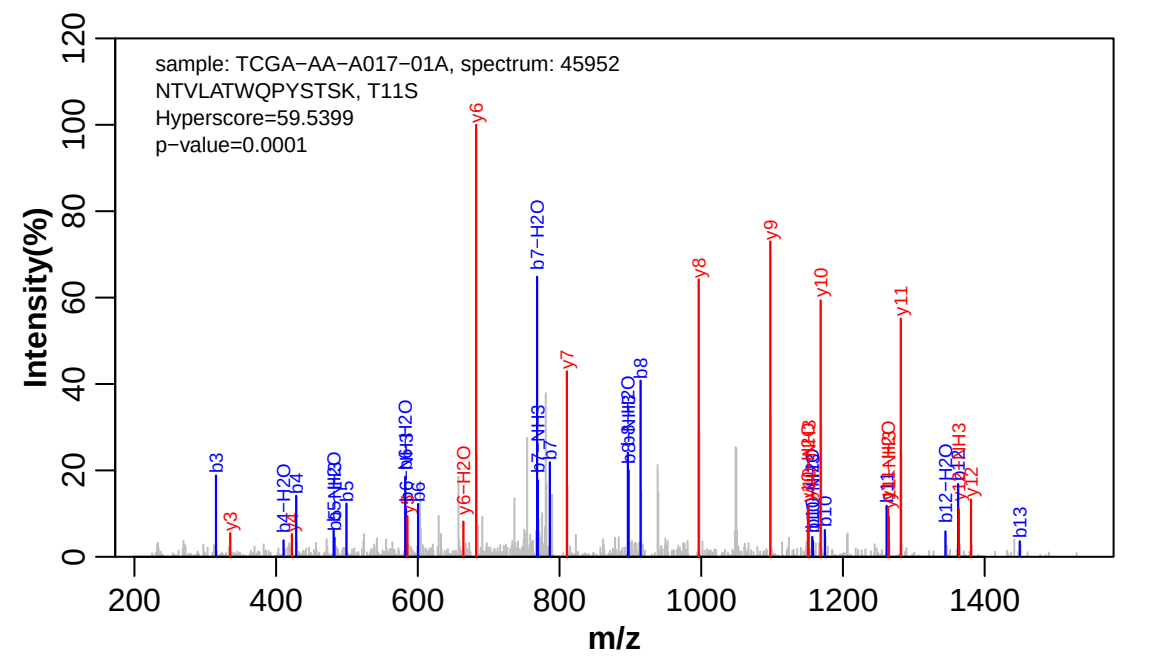

sample: TCGA−AA−A017−01A, spectrum: 82179
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=45.0782
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b5++
b3
y11+++−H2O
y12+++−NH3
y13+++−H2O
b9++
y4
y14++b4
y15+++−H2O
b10+++−H2O
y16+++−H2O
y16+++
y5
b5
b5−H2O
y14++
y13++
y20+++
y16++−H2O
b7−NH3
y15++
b7
y16++

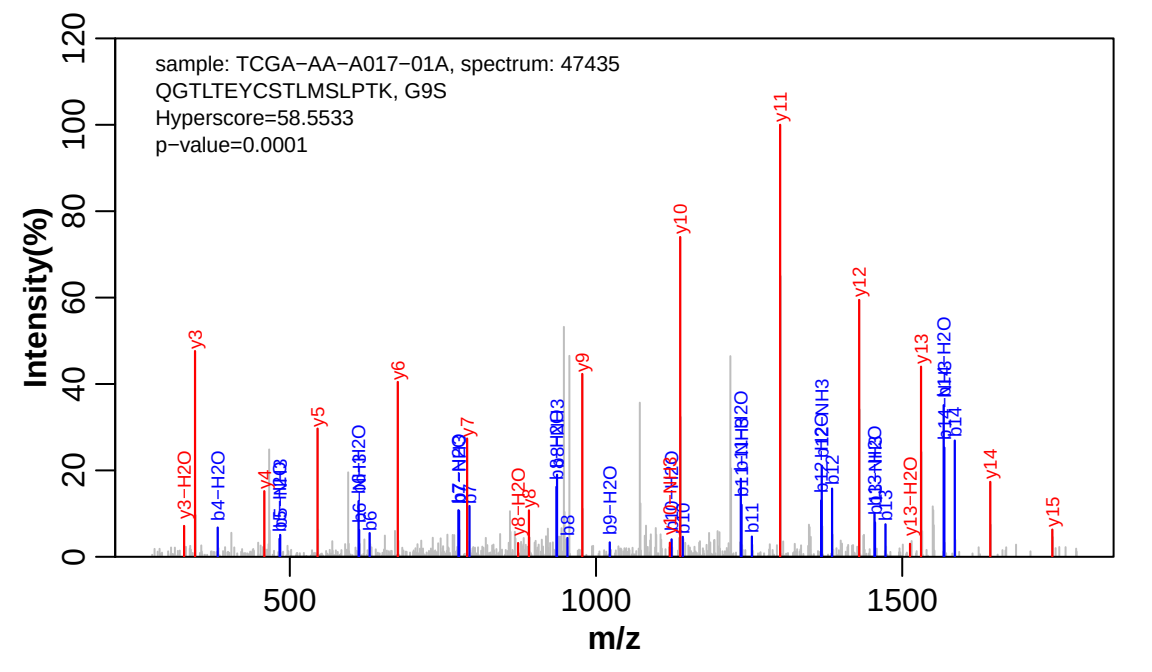

sample: TCGA−AA−A017−01A, spectrum: 7491
LQPEDMFVYDLNEK, C9Y
Hyperscore=20.2320
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y5
b6
y6
b7−H2O
y7
b8
y8
b9
y9
y10
y12

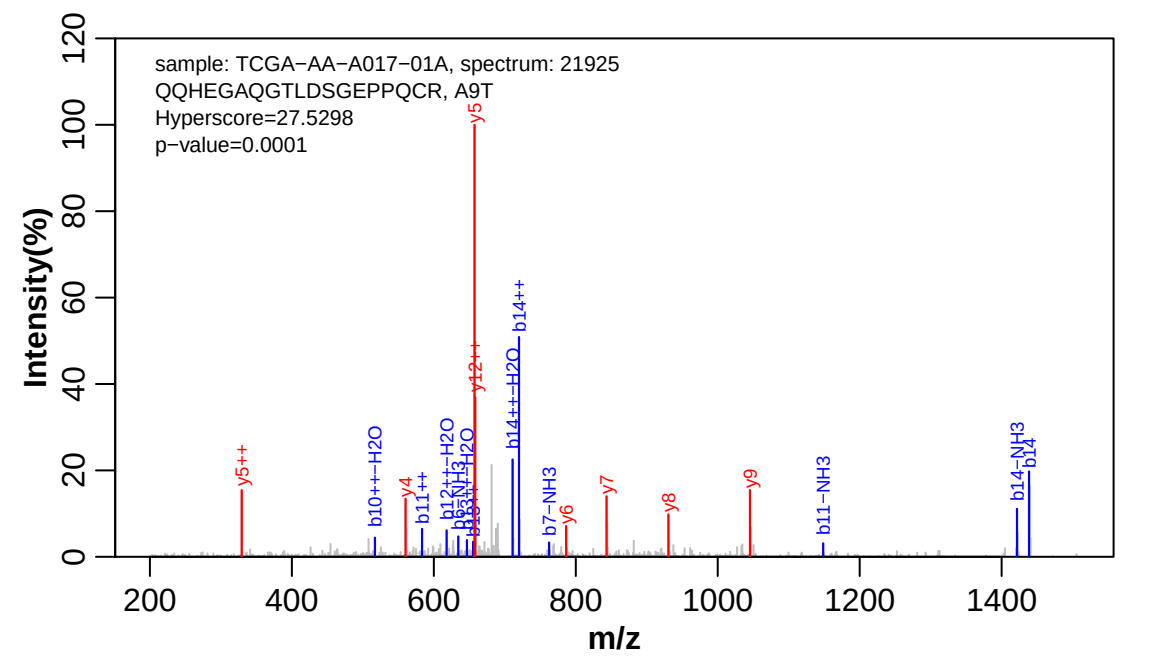

sample: TCGA−AA−A017−01A, spectrum: 143871
LVTDYTLAEADAALQK, E11D
Hyperscore=76.3903
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y8
y7
y6
y5
y4
y3
y2−NH3
y2
b5
b6−H2O
b6
b7−NH3
b7−H2O
b7
b8
y9−NH3
y9−H2O
b9
b10−H2O
b10
y10
y11
b11
b12−H2O
b12
y12
b13
y13
b14−H2O
b14
y14
b15

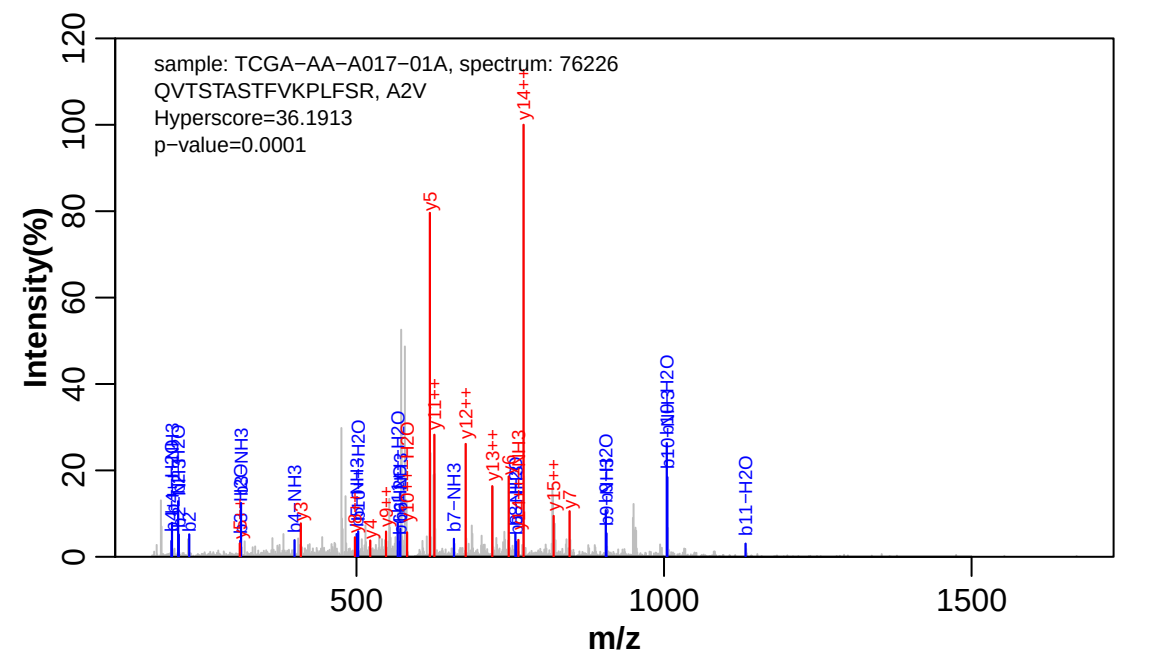

sample: TCGA−AA−A017−01A, spectrum: 27416
NPLLDLAAYDQEGR, R3L
Hyperscore=55.7599
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
y3
b4−NH3
b4
y4
b5−H2O
b5
y5−NH3
y5
b6−NH3
b6
b7−NH3
b7
y6
y7−NH3
y7
b8
y8−H2O
y8
b9−NH3
b9
y9
b10
y10−NH3
y10
b11
y11
y12−H2O
y12−NH3
y12

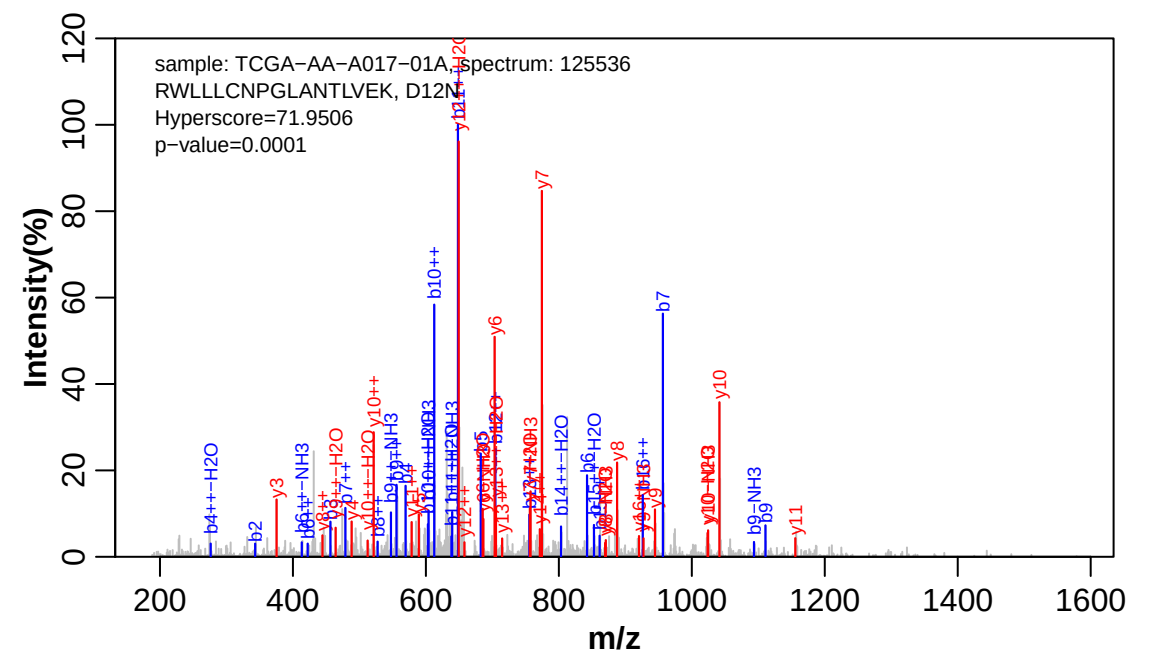

sample: TCGA−AA−A017−01A, spectrum: 63835
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7456
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
b5−H20
b5
y5
y8
b9−NH3
y9
b13

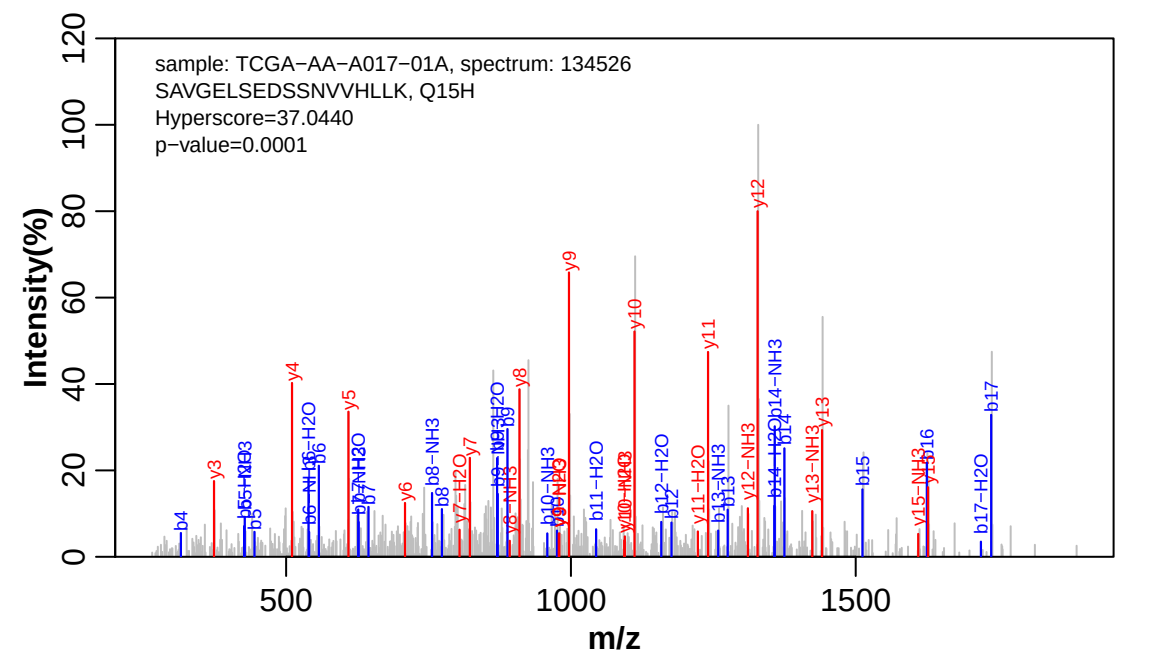

sample: TCGA−AA−A017−01A, spectrum: 45952
NTVLATWQPYSTSK, T11S
Hyperscore=59.5399
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6
b7−H2O
y9
y8
y10
y11
y7
b8
b3
y3
b4−H2O
b4
b5
y6−H2O
b12−H2O
y12
b13

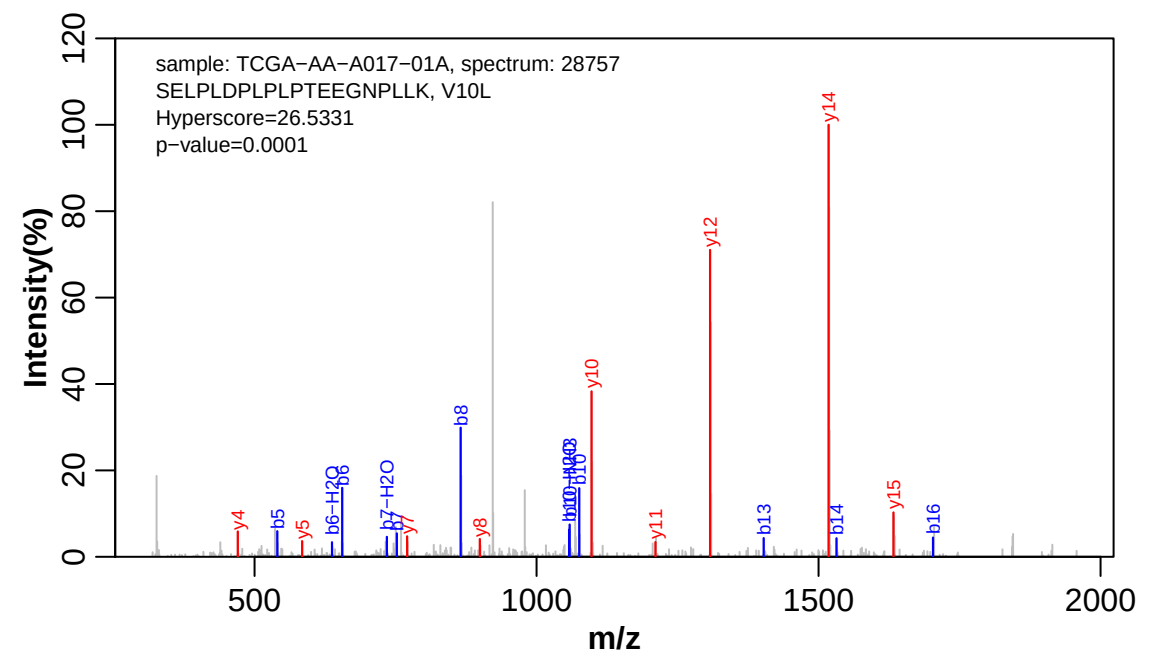

sample: TCGA−AA−A017−01A, spectrum: 47435
QGTLTEYCSTLMSLPTK, G9S
Hyperscore=58.5533
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y3−H2O
b4−H2O
y4
y5
y6
y7
y8
y8−H2O
b8
y9
b9−H2O
y10
b10
b11
y11
y12
b12
y13
y13−H2O
b13
y14
y15

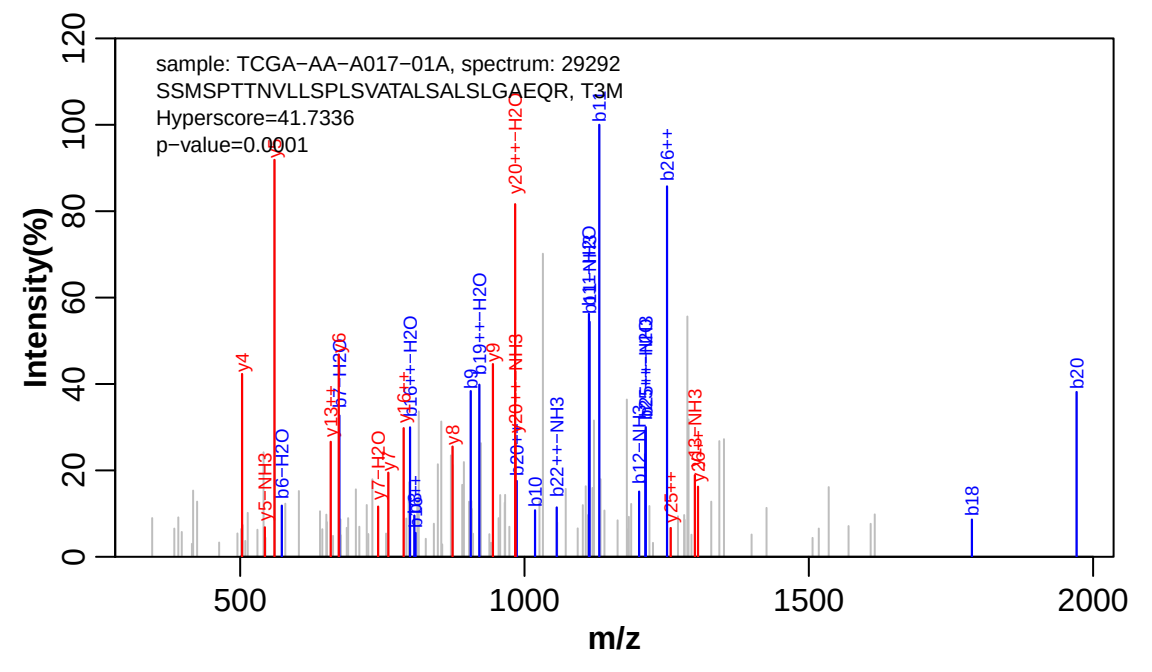

sample: TCGA−AA−A017−01A, spectrum: 21925
QQHEGAQGTLDSGEPPQCR, A9T
Hyperscore=27.5298
p−value=0.0001
Intensity(%)
m/z
y5
y5++
y4
b10++−H2O
b11++
b12++−H2O
b12++−NH3
b13++−H2O
y12++
b14++−H2O
b14++
b7−NH3
y6
y7
y8
y9
b11−NH3
b14−NH3
b14

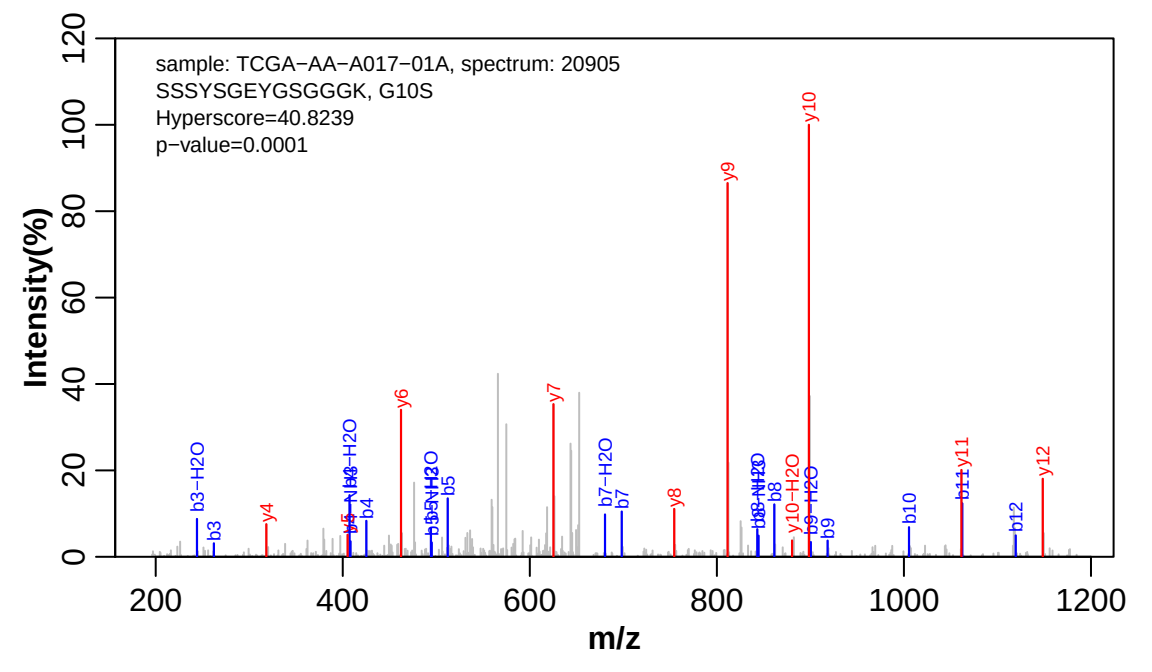

sample: TCGA−AA−A017−01A, spectrum: 76226
QVTSTASTFVKPLFSR, A2V
Hyperscore=36.1913
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y14++
y5
y11++
y12++
y13++
y15++
y7
b7−NH3
b4−NH3
y3
b11−H2O
b10−NH3−H2O

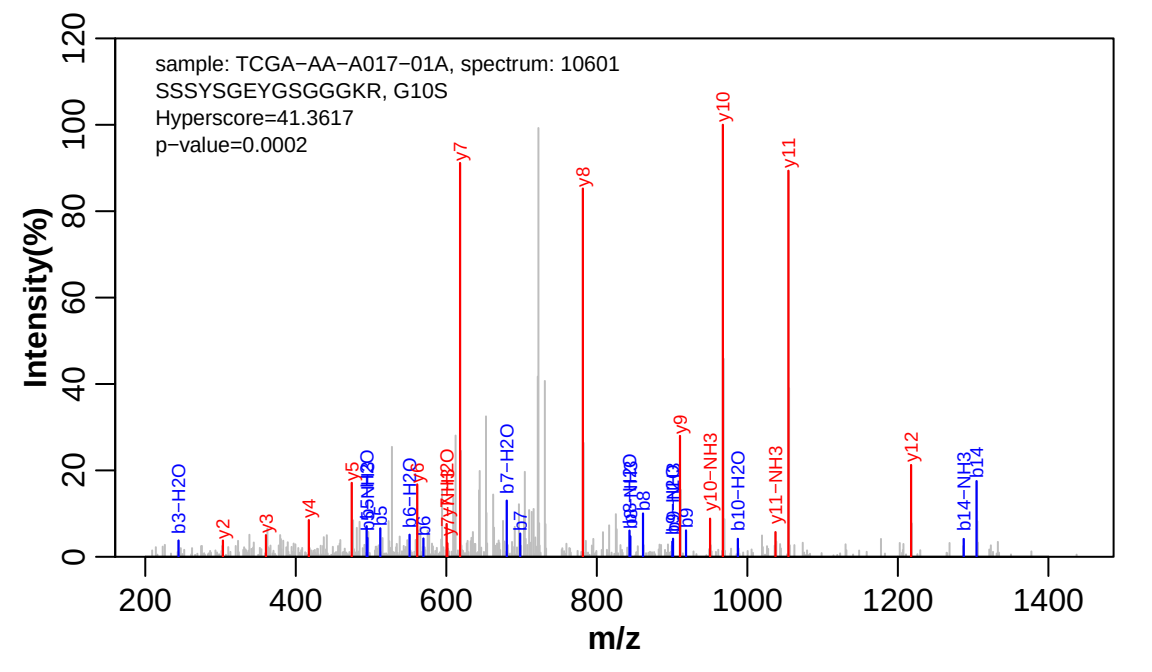

sample: TCGA−AA−A017−01A, spectrum: 125536
RWLLLCNPGLANTLVEK, D12N1
Hyperscore=71.9506
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b10++
y7
y6
b7
y10
y11
b2
y3
b4++−H2O
b6++−NH3
y8++
y7++−H2O
y4
y10++−H2O
y10++
b8++
b9++−NH3
b9++
y12++
b14++−H2O
b6++−H2O
y8
y9
b9−NH3
b9

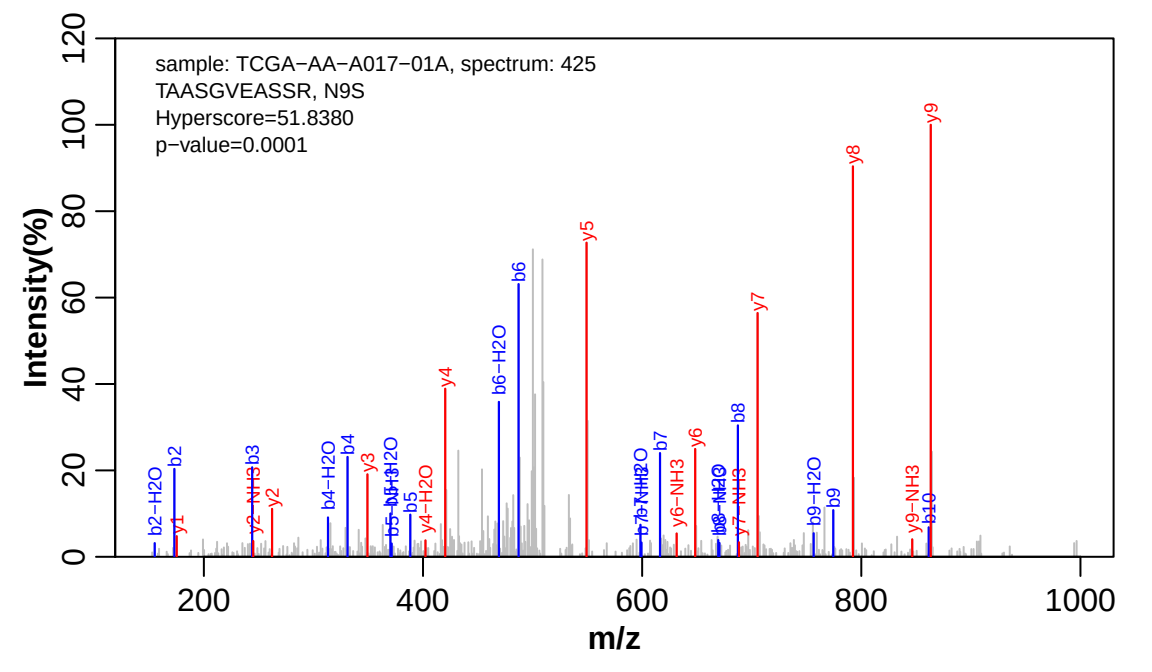

sample: TCGA−AA−A017−01A, spectrum: 134526
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=37.0440
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y3
y4
b6−NH3
b6−H2O
b6
y5
b7−NH3
b7−H2O
b7
y6
b8
b8−NH3
y7
y7−H2O
b9
y8
y9
b10−NH3
b10
b11−H2O
y10
b12−H2O
b12
y11−H2O
y11
b13−NH3
b13
y12
y12−NH3
b14−NH3
b14
y13
y13−NH3
b15
y15−NH3
y15
b16
b17
b17−H2O

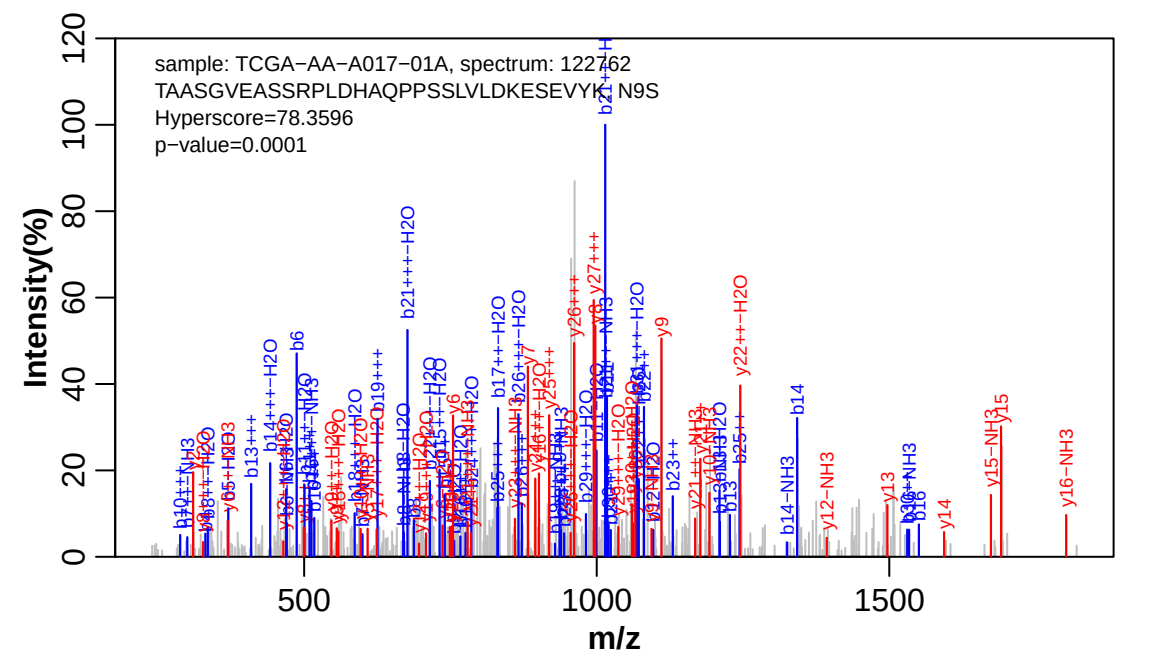

sample: TCGA−AA−A017−01A, spectrum: 28757
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=26.5331
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
y4
b5
y5
b6−H2O
b6
b7−H2O
b7
y7
b8
y8
b10−H2O
b10−NH3
b10
y10
y11
y12
b13
y14
b14
y15
b16

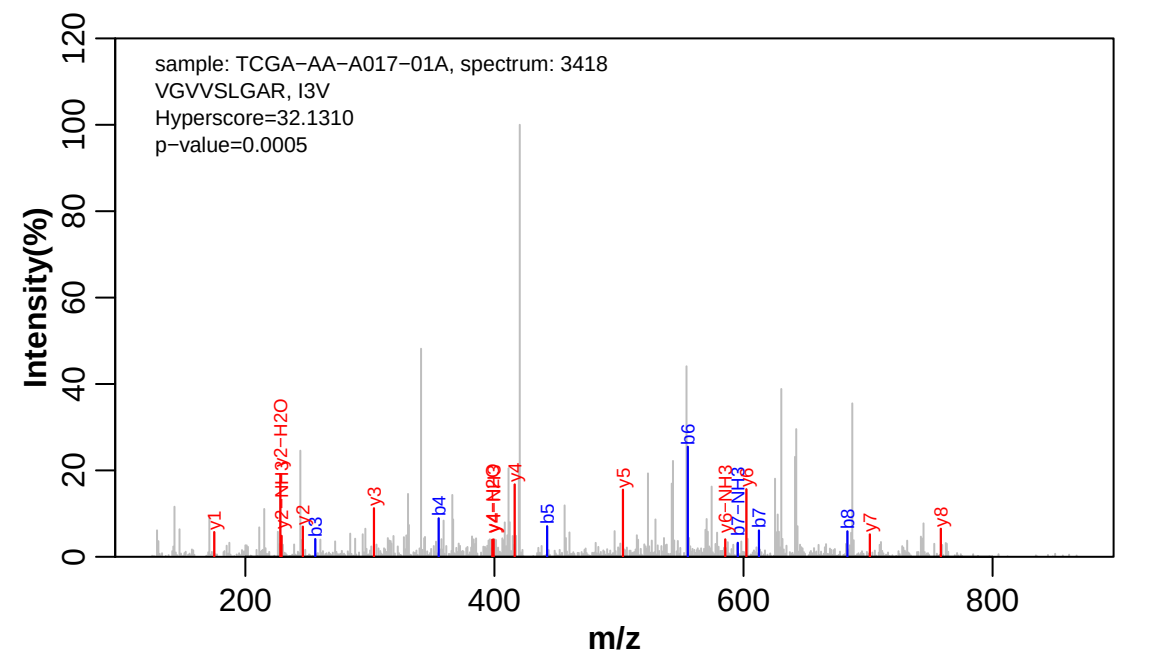

sample: TCGA−AA−A017−01A, spectrum: 29292
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=41.7336
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
y5−NH3
b6−H2O
y7−H2O
y8
b9
b10
b11−NH3
b12−NH3
b18
b20
b26++

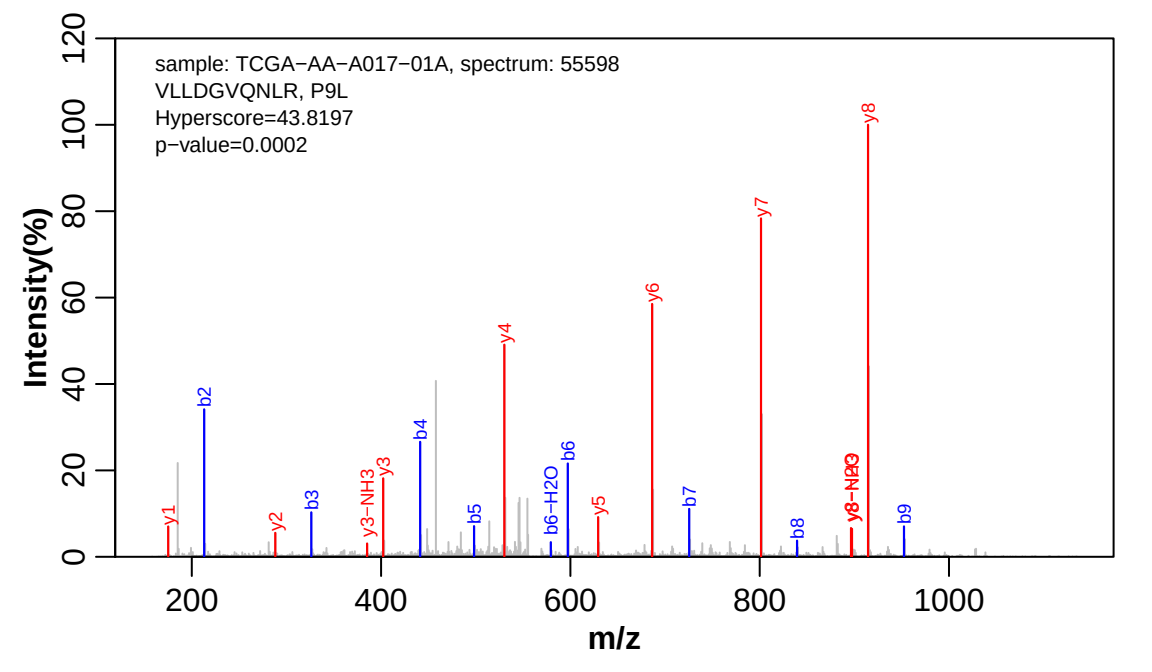

sample: TCGA−AA−A017−01A, spectrum: 20905
SSSYSGEYGSGGGK, G10S
Hyperscore=40.8239
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
y4
b4
y6
y6−H2O
b5
y7
b7−H2O
b7
y8
y9
b8
y10
y10−H2O
b9−H2O
b9
b10
y11
b11
b12
y12

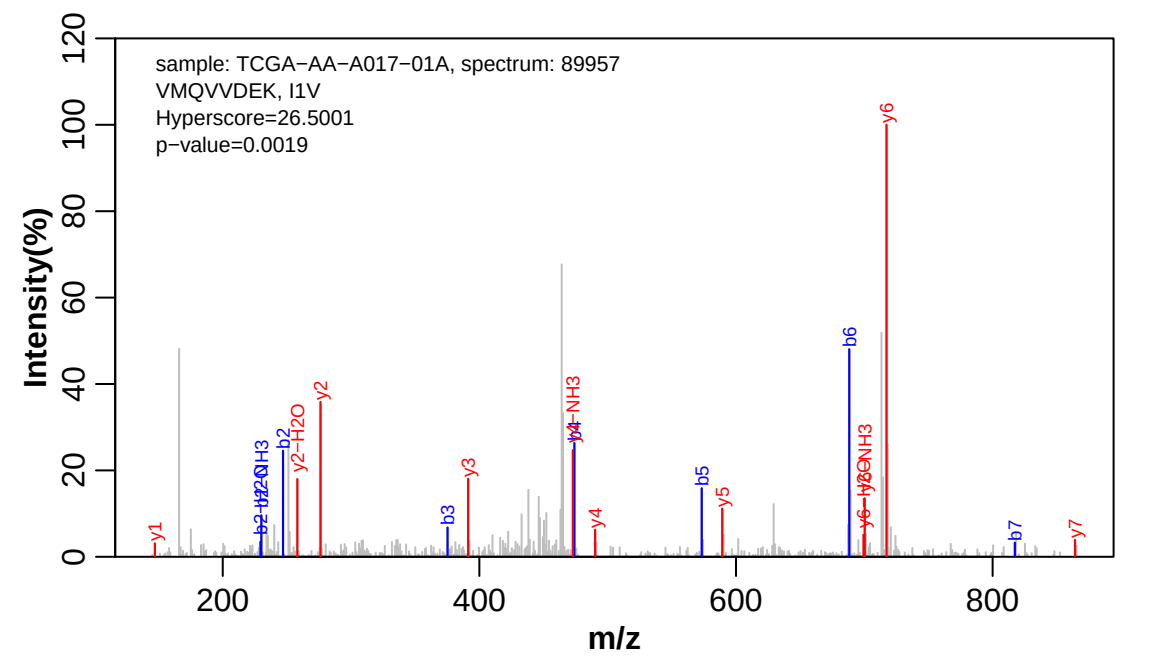

sample: TCGA−AA−A017−01A, spectrum: 10601
SSSYSGEYGSGGGKR, G10S
Hyperscore=41.3617
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10
y11
y7
y8
y12
y9
b3−H2O
y2
y3
y4
y5
b5
b6−H2O
b6
y6
b7−H2O
b7
b8
y10−NH3
b10−H2O
y11−NH3
b14−NH3
b14

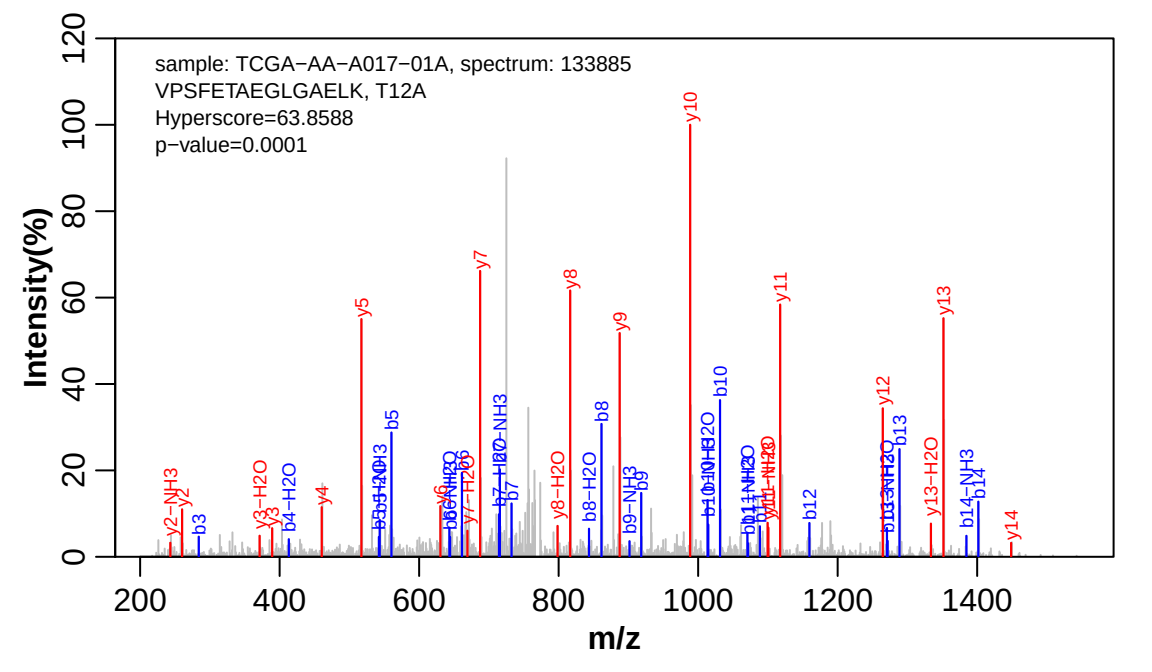

sample: TCGA−AA−A017−01A, spectrum: 425
TAASGVEASSR, N9S
Hyperscore=51.8380
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2−H2O
b2
y1
b3
y2−NH3
y2
b4−H2O
b4
y3
b5−NH3
b5−H2O
b5
y4−H2O
y4
b6−H2O
b6
y5
b7
y6−NH3
y6
b8
y7−NH3
y7
b9−H2O
b9
y9−NH3
b10
y8
y9

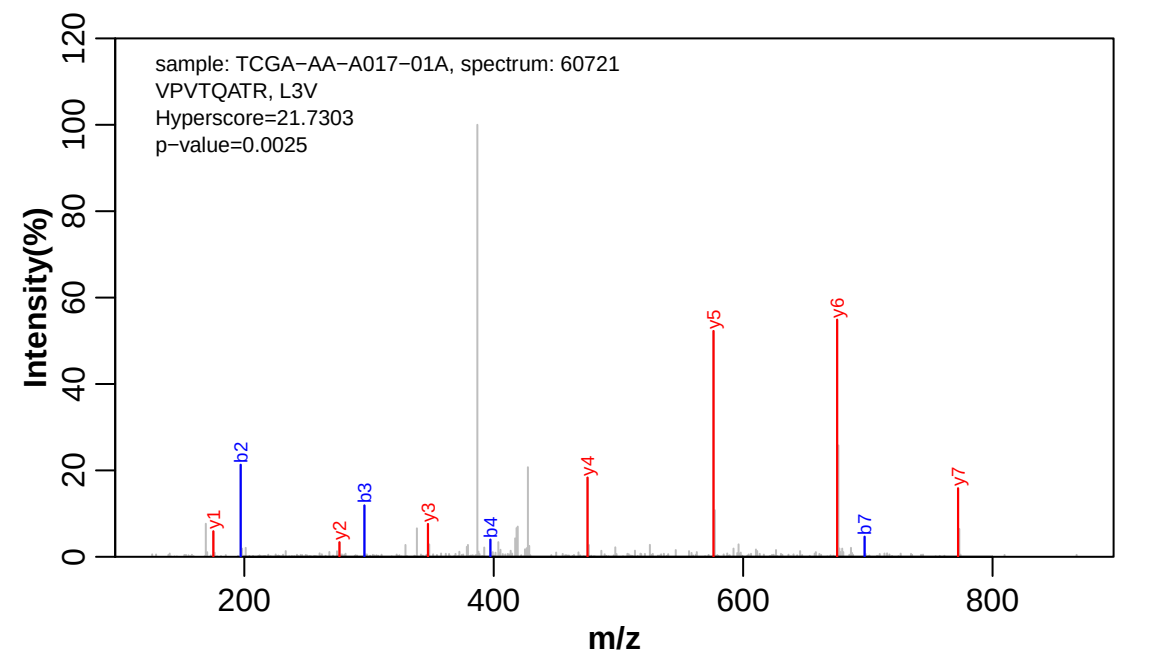

sample: TCGA−AA−A017−01A, spectrum: 122762
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK N9S
Hyperscore=78.3596
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

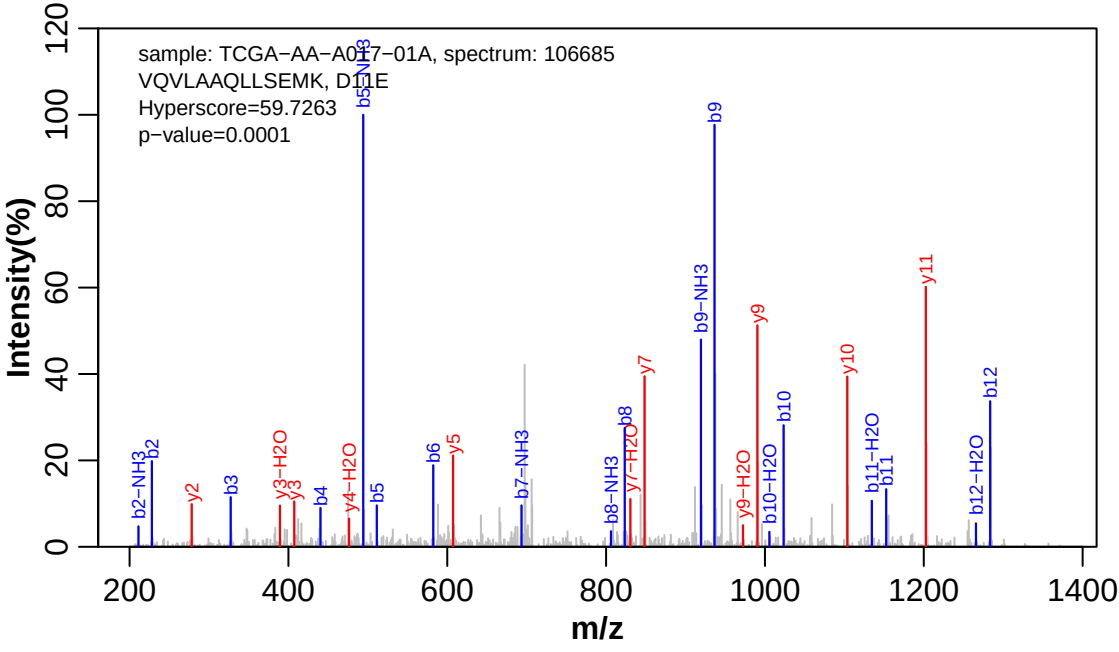

sample: TCGA−AA−A017−01A, spectrum: 3418
VGVVSLGAR, I3V
Hyperscore=32.1310
p−value=0.0005
Intensity(%)
m/z
y1
y2−NH3
y2−H2O
y2
b3
y3
b4
y4−NH3
y4−H2O
y4
b5
y5
b6
y6−NH3
b7−NH3
y6
b7
b8
y7
y8

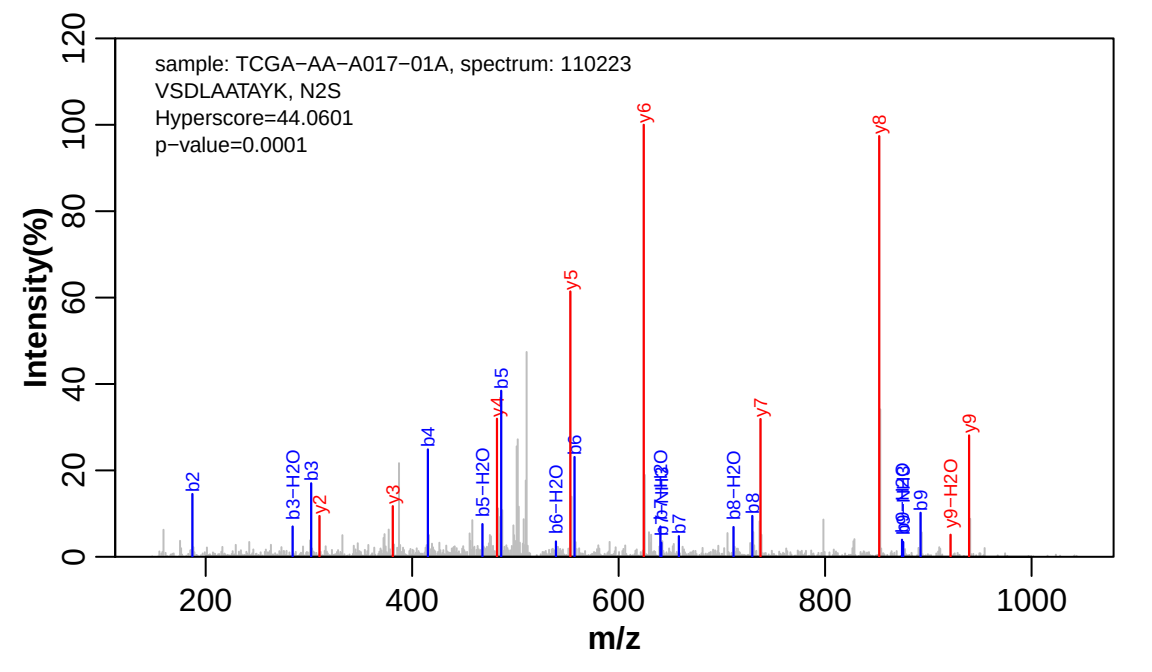

sample: TCGA−AA−A017−01A, spectrum: 55598
VLLDGVQNLR, P9L
Hyperscore=43.8197
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3−NH3
y3
b4
b5
y4
b6−H2O
b6
y5
y6
b7
b8
y8−NH3
y8
b9
y7

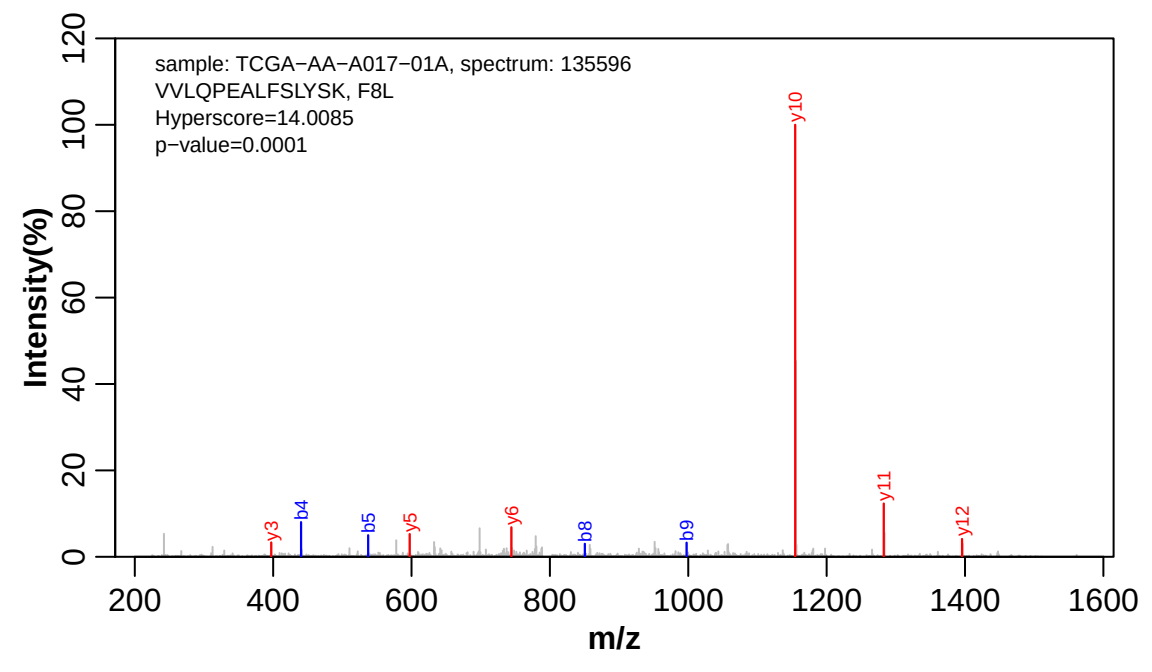

sample: TCGA−AA−A017−01A, spectrum: 89957
VMQVVDEK, I1V
Hyperscore=26.5001
p−value=0.0019
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2−H2O−NH3
b2−H2O
b2
y2−H2O
y2
b3
y3
y4−NH3
y4
b5
y5
y4
b6
y6−H2O−NH3
y6−H2O
y6
b7
y7

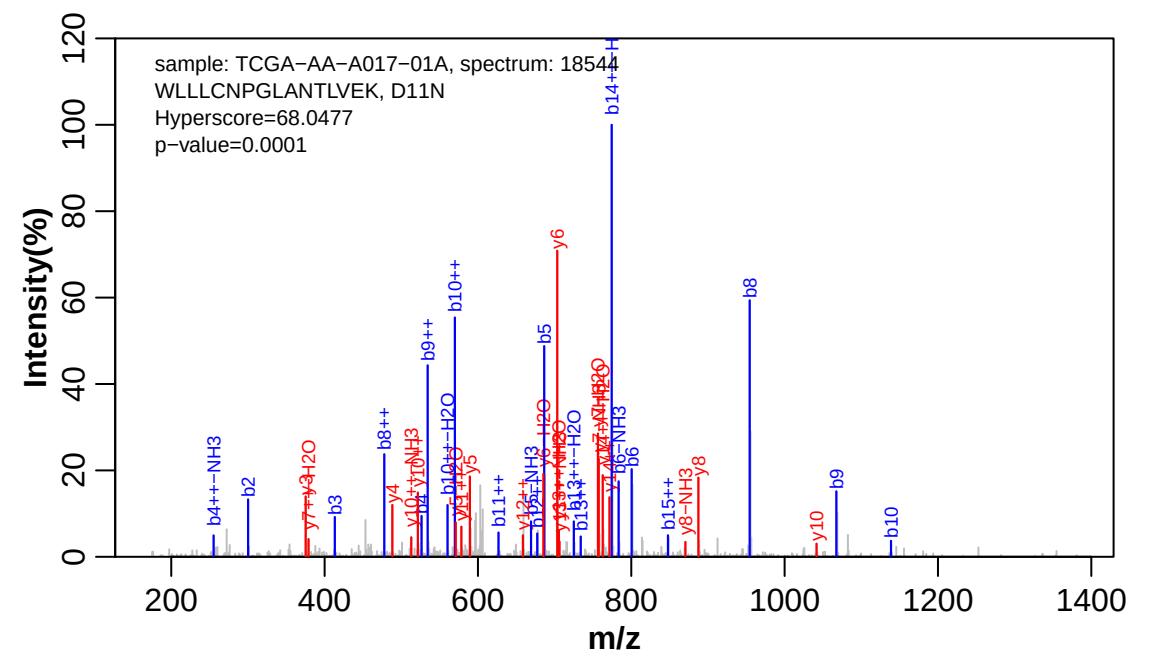

sample: TCGA−AA−A017−01A, spectrum: 133885
VPSFETAEGLGAELK, T12A
Hyperscore=63.8588
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10
y5
y7
y8
y9
y11
y13
y12
y14
b5
b8
b10
b12
b13
b14
y2−NH3
y2
b3
y3−H2O
y3
b4−H2O
y4
y8−H2O
b8−H2O
b9−NH3
b9
y13−H2O
b14−NH3

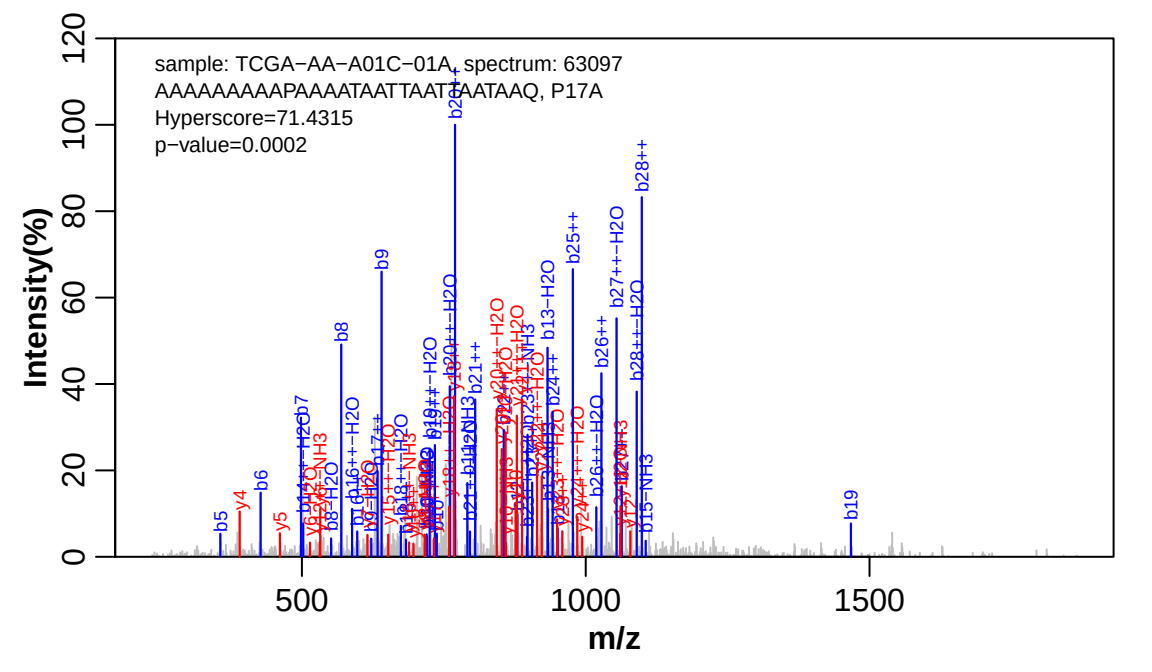

sample: TCGA−AA−A017−01A, spectrum: 60721
VPVTQATR, L3V
Hyperscore=21.7303
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
b3
y3
b4
y4
y5
y6
b7
y7

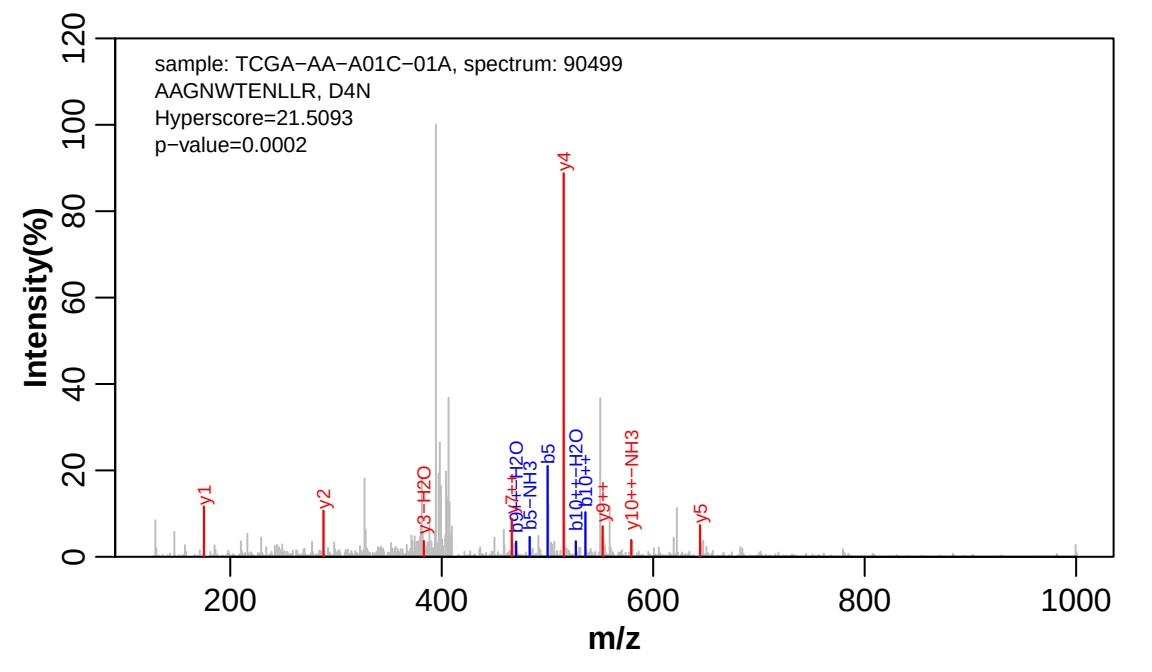

sample: TCGA−AA−A017−01A, spectrum: 106685
VQVLAAQLLSEMK, D11E
Hyperscore=59.7263
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−NH3
b2
y2
b3
y3−H2O
y3
b4
y4−H2O
b5−NH3
b5
b6
y5
b7−NH3
b8−NH3
y7−H2O
b8
y7
b9−NH3
b9
y9−H2O
y9
b10−H2O
b10
y10
b11−H2O
b11
y11
b12−H2O
b12

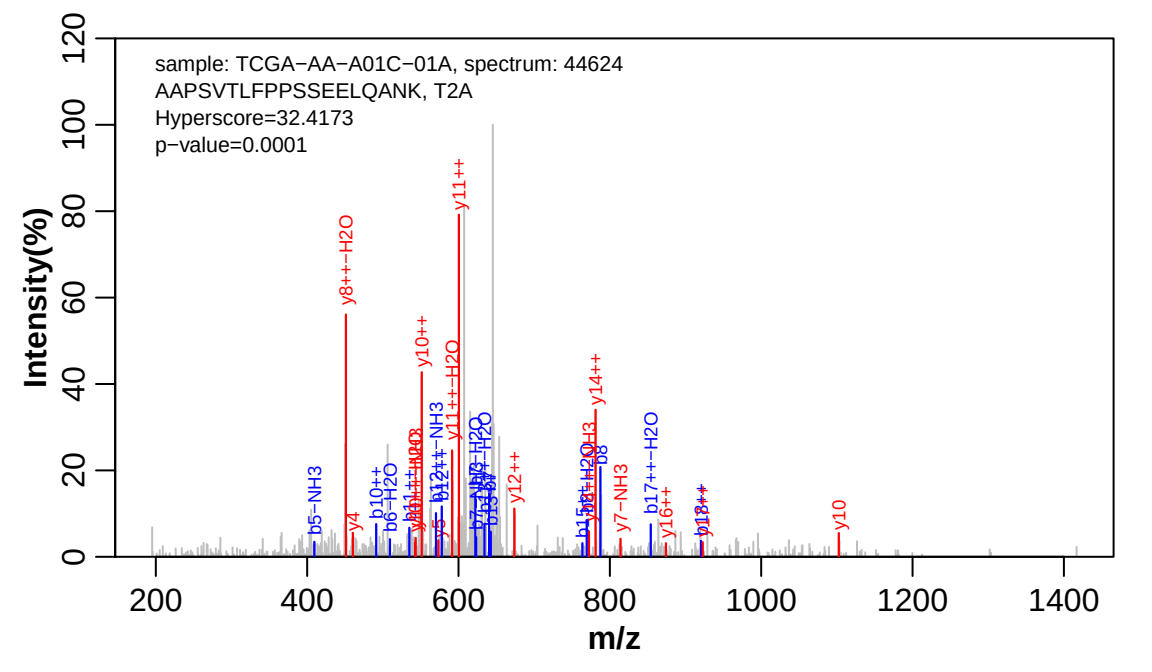

sample: TCGA−AA−A017−01A, spectrum: 110223
VSDLAATAYK, N2S
Hyperscore=44.0601
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4
b5−H2O
y4
b5
b6−H2O
y5
b6
b7
y6
b8−H2O
b8
y7
y8
b9
y9−H2O
y9

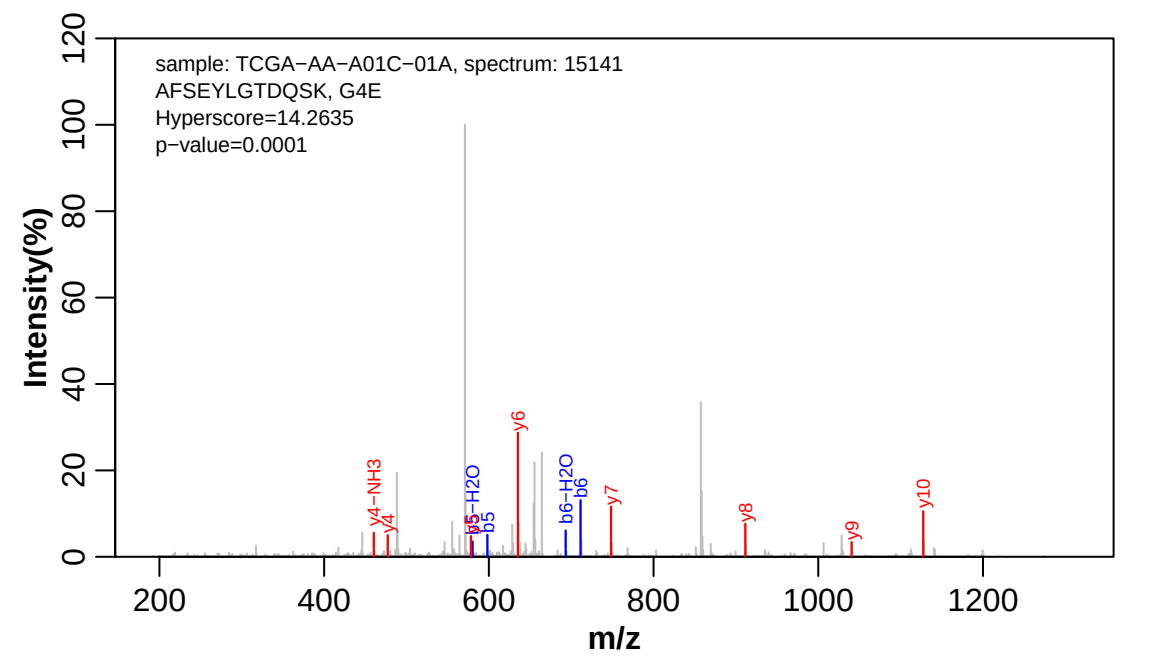

sample: TCGA−AA−A017−01A, spectrum: 135596
VVLQPEALFSLYSK, F8L
Hyperscore=14.0085
p−value=0.0001
Intensity(%)
m/z
y10
y11
y12
y3
b4
b5
y5
y6
b8
b9

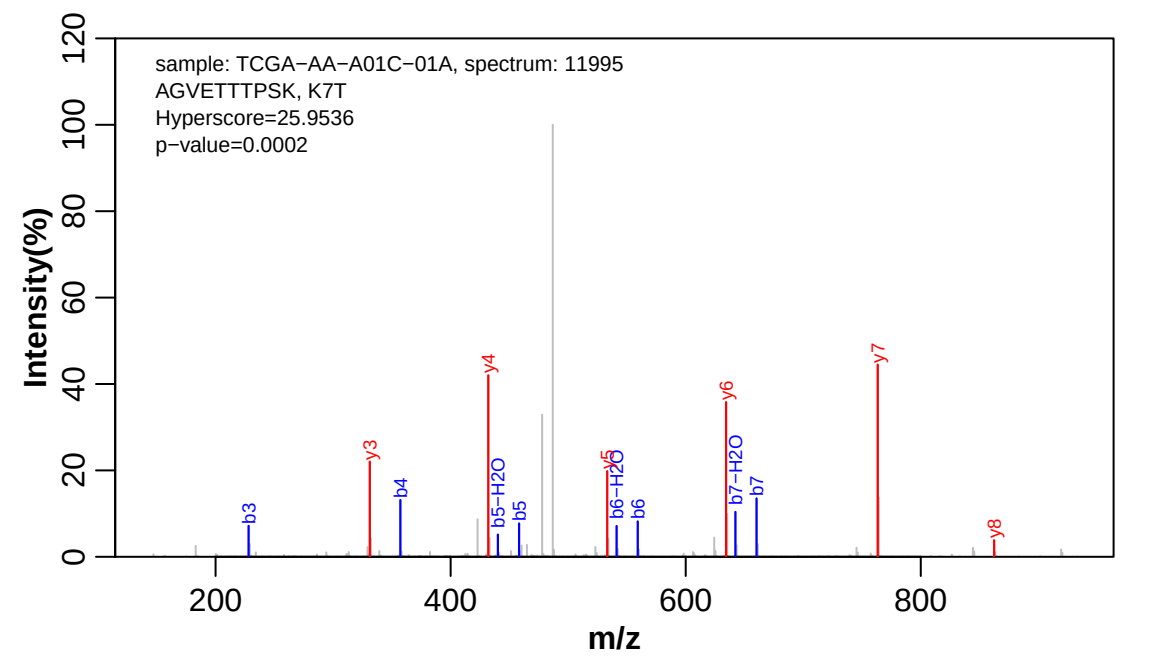

sample: TCGA−AA−A017−01A, spectrum: 18544
WLLLCNPGLANTLVEK, D11N
Hyperscore=68.0477
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b14++
y6
b8
b10++
b9++
b5
b8++
y4
y5
b11++
b6
y8
b15++
b9
b10
y10
b2
b3
b4++−NH3

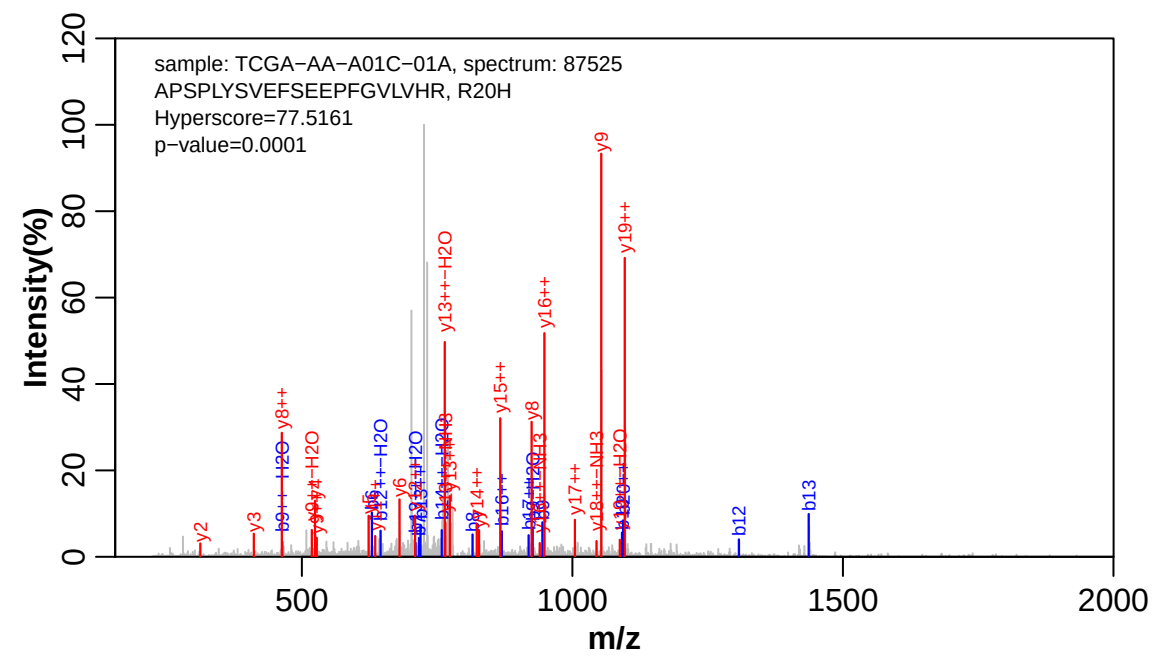

sample: TCGA−AA−A01C−01A, spectrum: 63097
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=71.4315
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5
y4
b6
y5
b7
b8
b9
b19
b21++
b25++
b26++
b27++−H2O
b28++
b28++−H2O
b13−H2O
b15−NH3

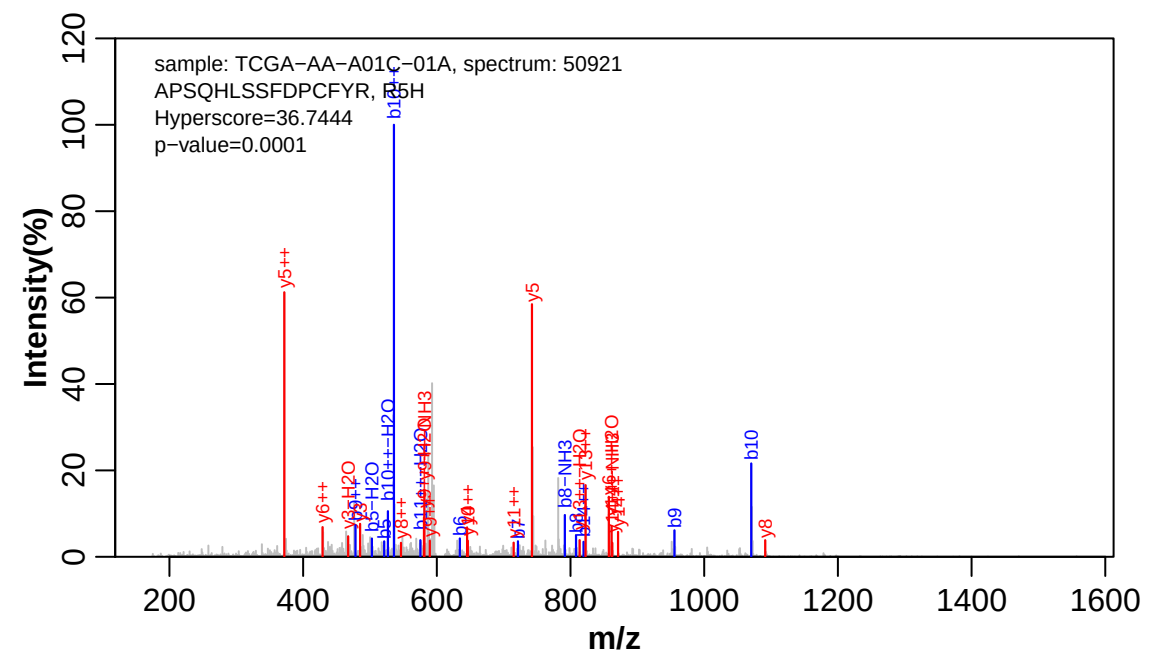

sample: TCGA−AA−A01C−01A, spectrum: 90499
AAGNWTENLLR, D4N
Hyperscore=21.5093
p−value=0.0002
Intensity(%)
m/z
y1
y2
y3−H2O
b5−NH3
b5
b10++H2O
y9++
y10++−NH3
y5

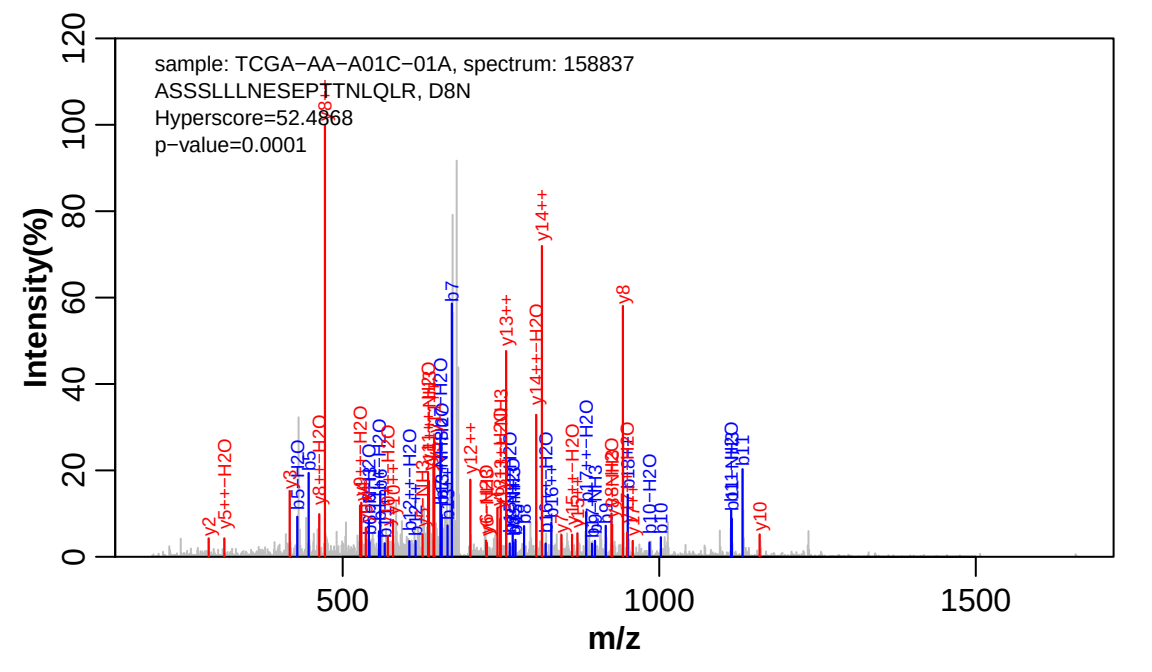

sample: TCGA−AA−A01C−01A, spectrum: 44624
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=32.4173
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y8++−H2O
y11++
y10++
y11++−H2O
y11++−NH3
y14++
b5−NH3
y4
b10++
b6−H2O
y12++
y7−NH3
b17++−H2O
y16++
y10

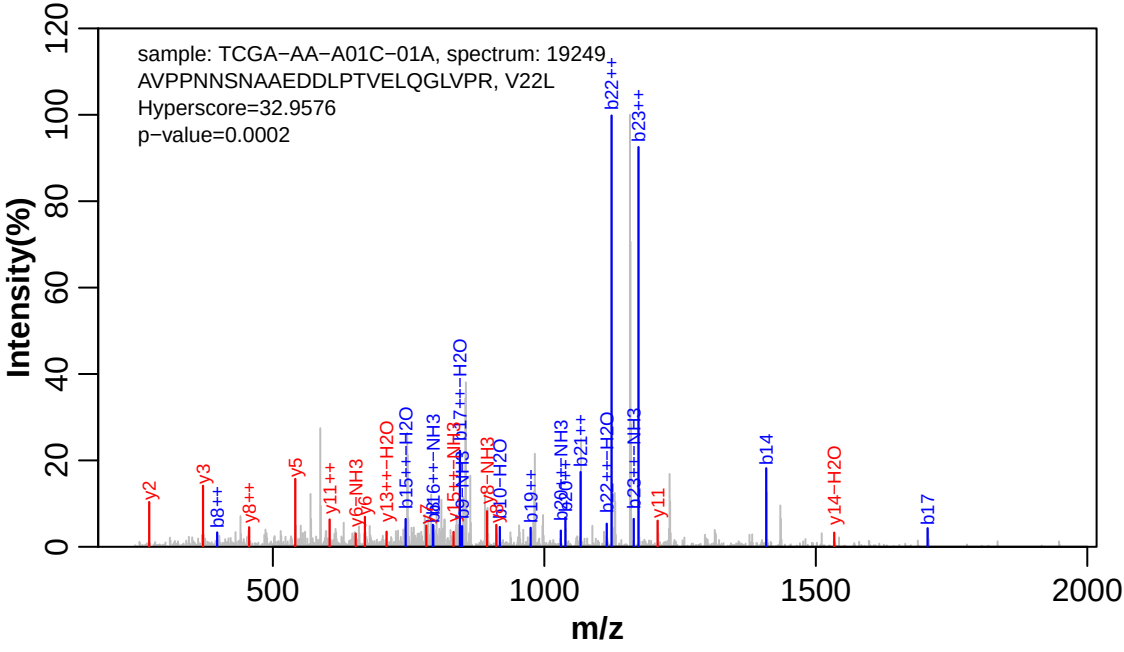

sample: TCGA−AA−A01C−01A, spectrum: 15141
AFSEYLGTDQSK, G4E
Hyperscore=14.2635
p−value=0.0001
Intensity(%)
m/z
y4−NH3
y4
b5−H2O
b5
y6
b6−H2O
b6
y7
y8
y9
y10

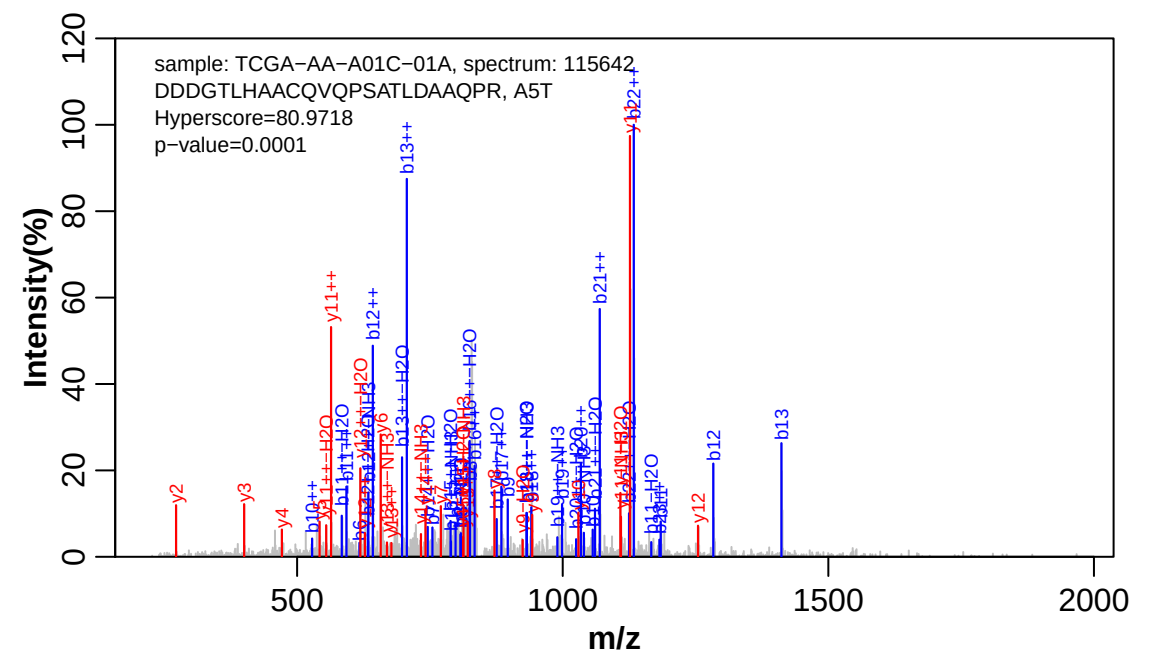

sample: TCGA−AA−A01C−01A, spectrum: 11995
AGVETTTPSK, K7T
Hyperscore=25.9536
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8

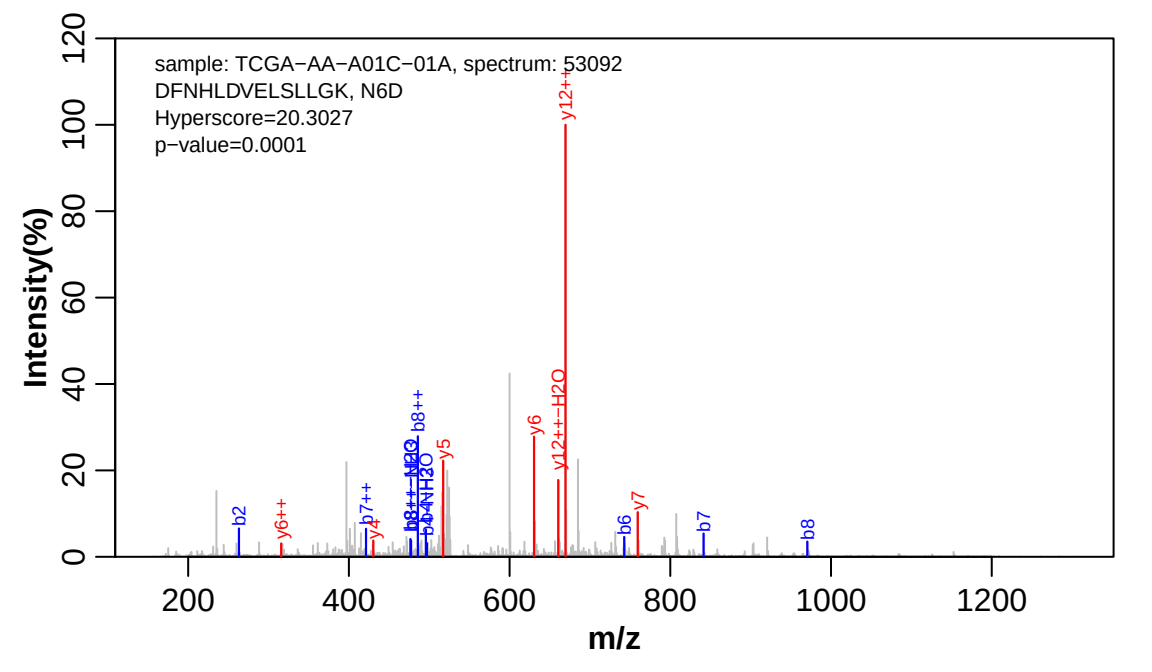

sample: TCGA−AA−A01C−01A, spectrum: 87525
APSPLYSVEFSEEPFGVLVHR, R20H
Hyperscore=77.5161
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
b9++−H2O
y8++
y9++−H2O
y6
y13++−H2O
y13++−NH3
y14++
y15++
b16++
y8
y16++
y17++
y18++−NH3
y9
y19++
b12
b13

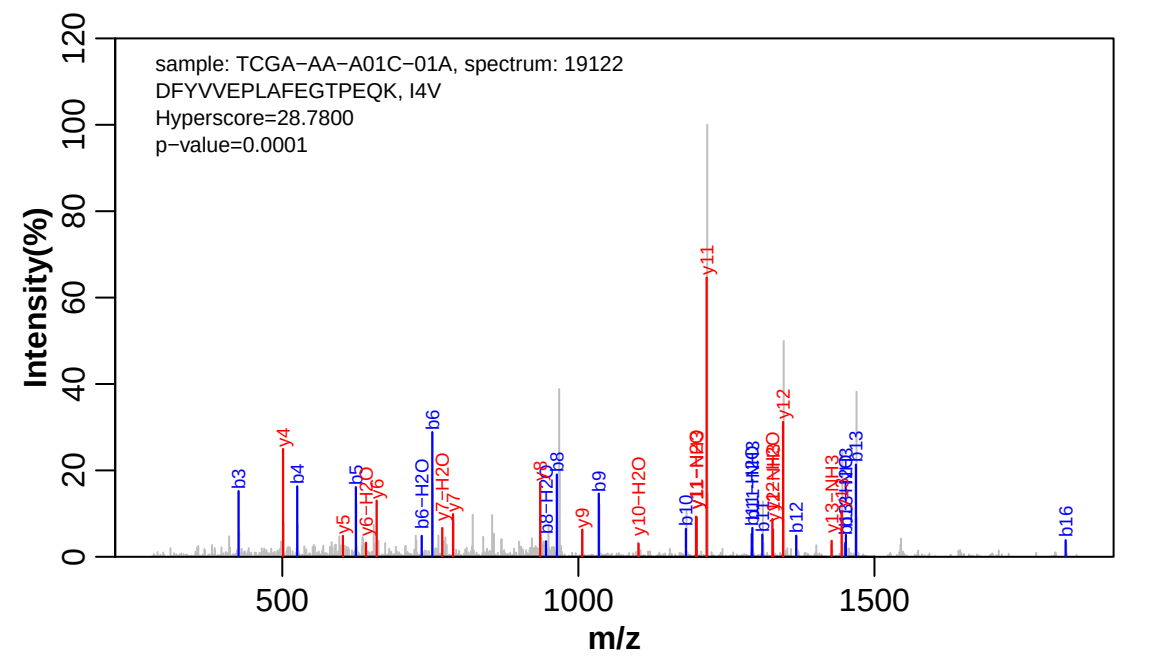

sample: TCGA−AA−A01C−01A, spectrum: 50921
APSQHLSSFDPCFYR, 5H
Hyperscore=36.7444
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b10++
y5++
y5
b10
y8
b9
y6++
b8−NH3
b10++−H2O
b5−H2O
y8++
b7++
b6
y10++

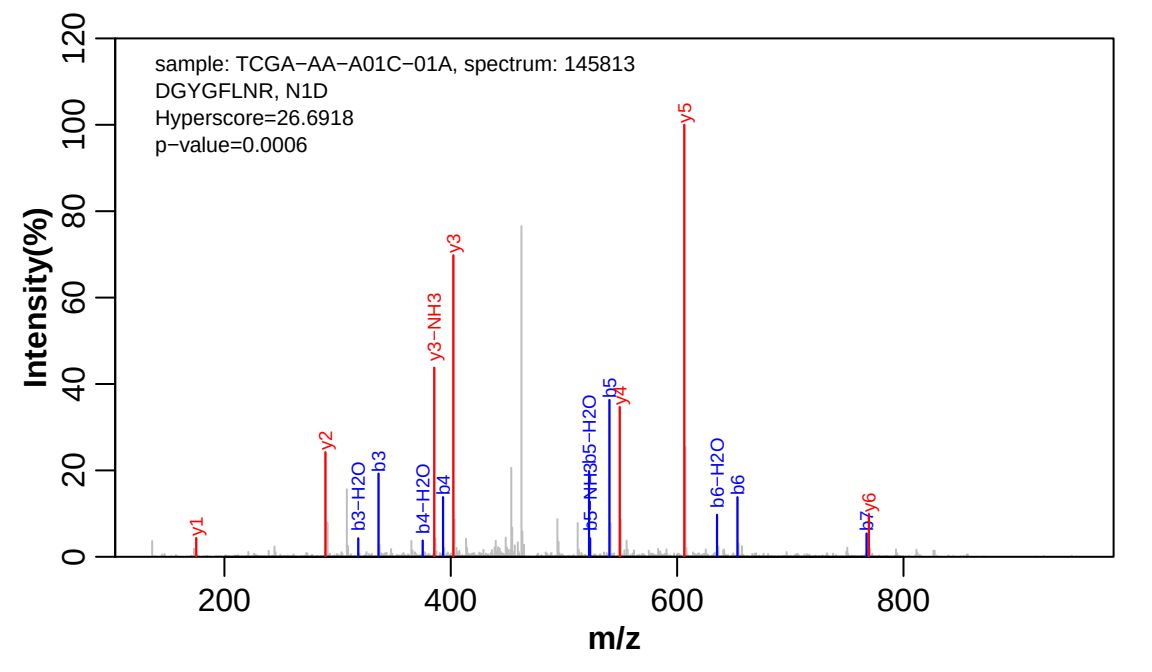

sample: TCGA−AA−A01C−01A, spectrum: 158837
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=52.4868
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y5++−H2O
b5−H2O
y8++−H2O
y8+
b7
y12++
y13++
y14++
y14++−H2O
y8
b11
y10

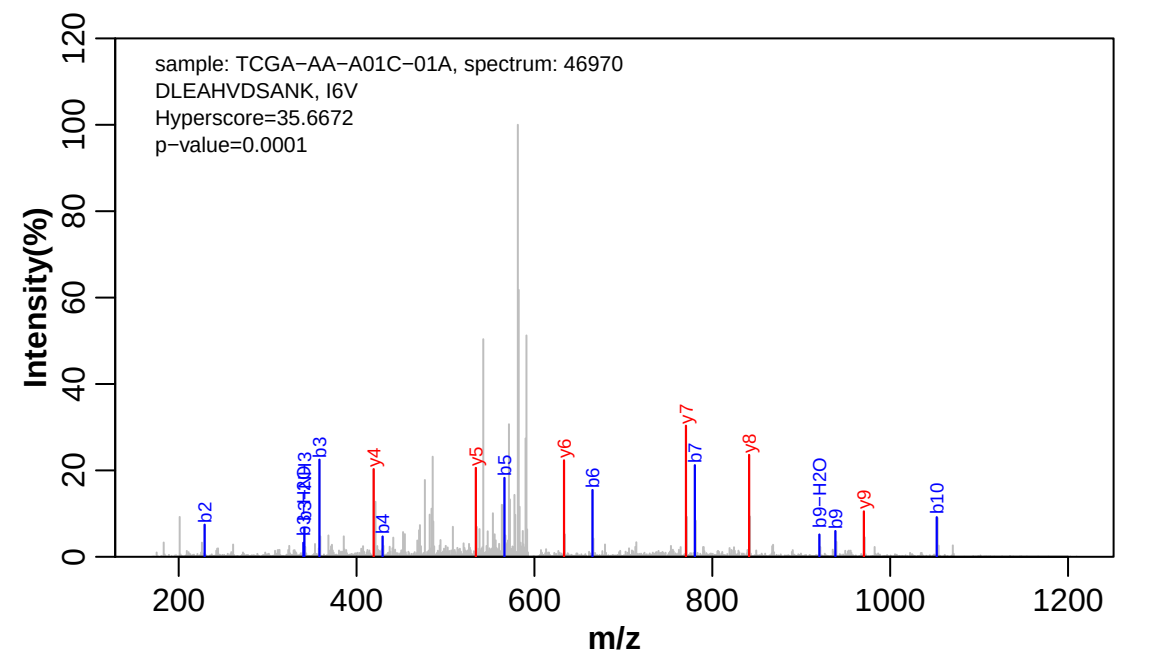

sample: TCGA−AA−A01C−01A, spectrum: 19249
AVPPNNSNAAEDDLPTVELQGLVPR, V22L
Hyperscore=32.9576
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
b8++
y8++
y5
y11++
y6−NH3
y6
y13++−H2O
b15++−H2O
b16++−NH3
b17++−NH3
y15++−H2O
y8−NH3
b10−H2O
b19++
b20++−NH3
b20++
b21++
b22++−H2O
b22++
b23++−NH3
b23++
y11
b14
y14−H2O
b17

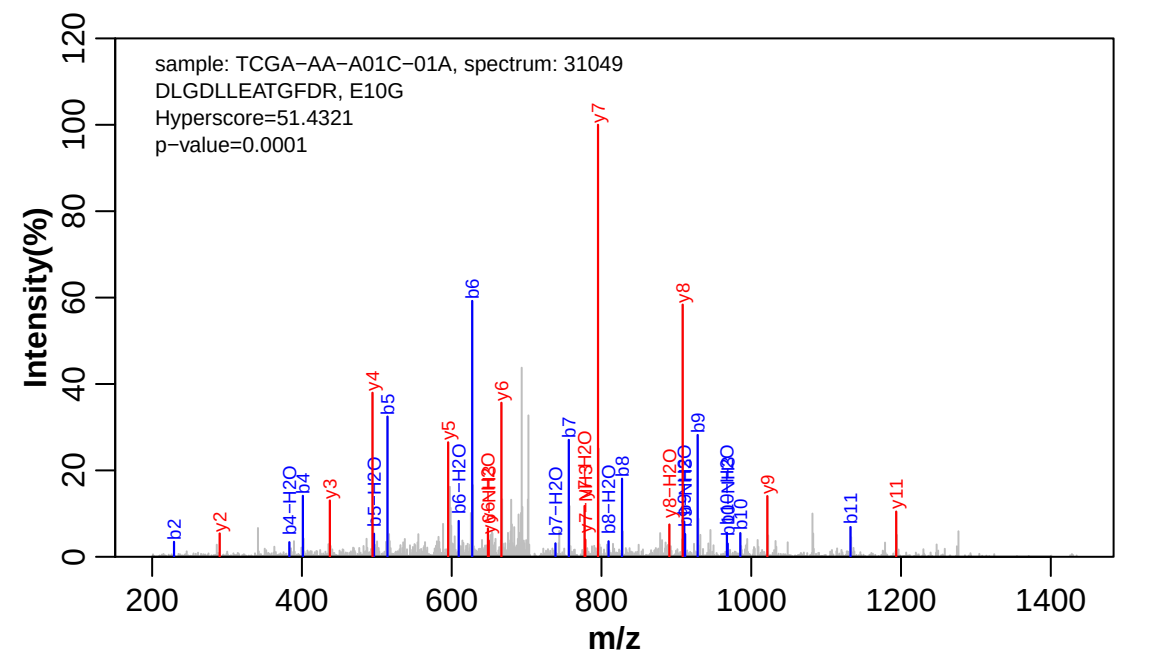

sample: TCGA−AA−A01C−01A, spectrum: 115642
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=80.9718
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y4
y11++
y12++
b13++
b12++
b21++
b13
b12
y12
b10++
b11++
b11++−H2O
b13++−H2O
b13−H2O
b21++−H2O
y12−H2O
b11−H2O
y11++−H2O
y11++−NH3
y6
b13++−NH3
b13−NH3
b19−NH3
b19−H2O
b21++−NH3
b21++−H2O
b13++−2H2O
b13−2H2O
b21++−2H2O
b13++−H2O−NH3
b13−H2O−NH3
b21++−H2O−NH3
b13++−2H2O−NH3
b13−2H2O−NH3
b21++−2H2O−NH3

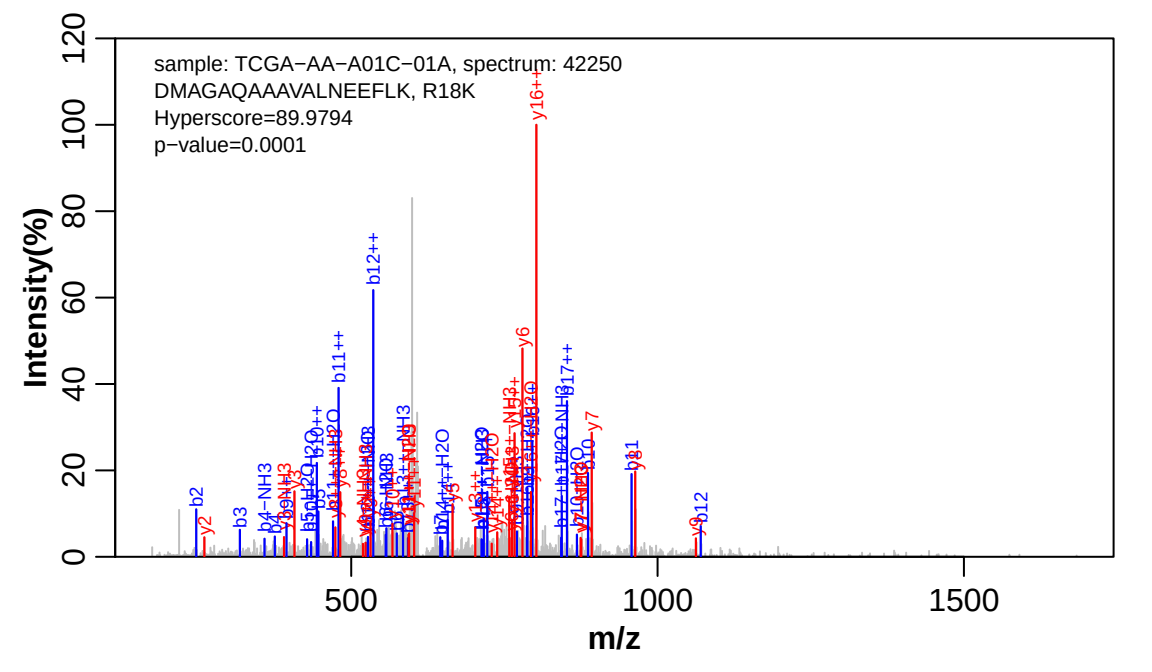

sample: TCGA−AA−A01C−01A, spectrum: 53092
DFNHLDVELSLLGK, N6D
Hyperscore=20.3027
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y12++
y12++−H2O
y6
b8++
y5
b2
y6++
b7++
y4
b6
y7
b7
b8

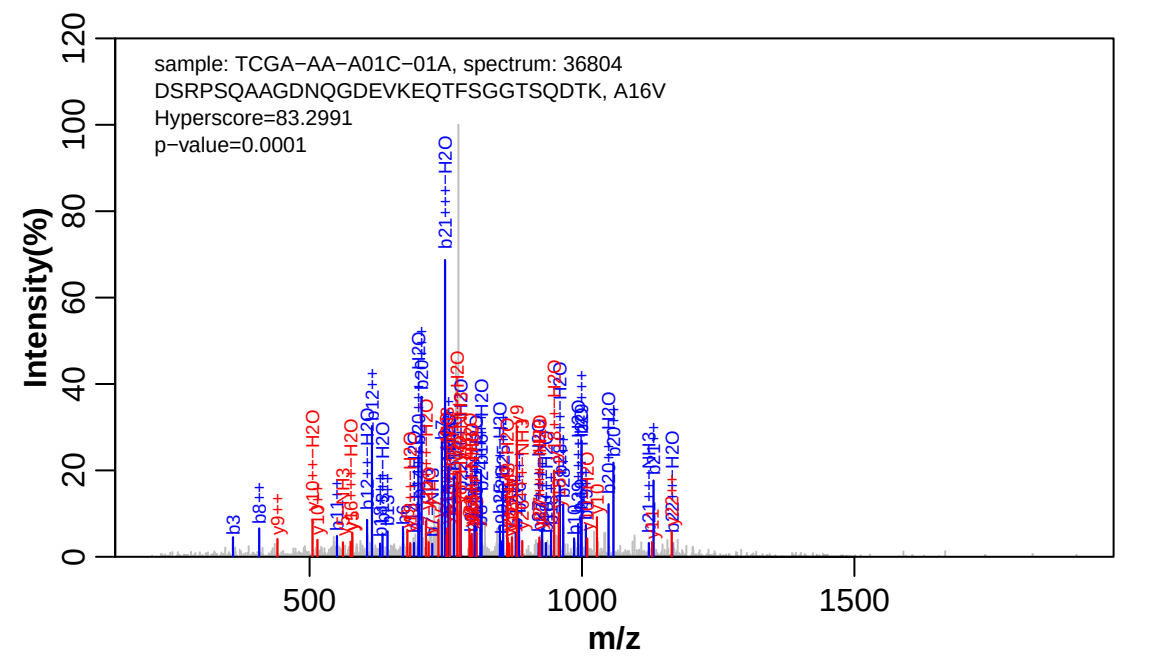

sample: TCGA−AA−A01C−01A, spectrum: 19122
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=28.7800
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
y5
b5
y6−H2O
y6
b6−H2O
b6
y7−H2O
y7
b8−H2O
b8
y9
b9
y10−H2O
b10
y11−NH3
y11
y12−H2O
y12
b12
b13
b16

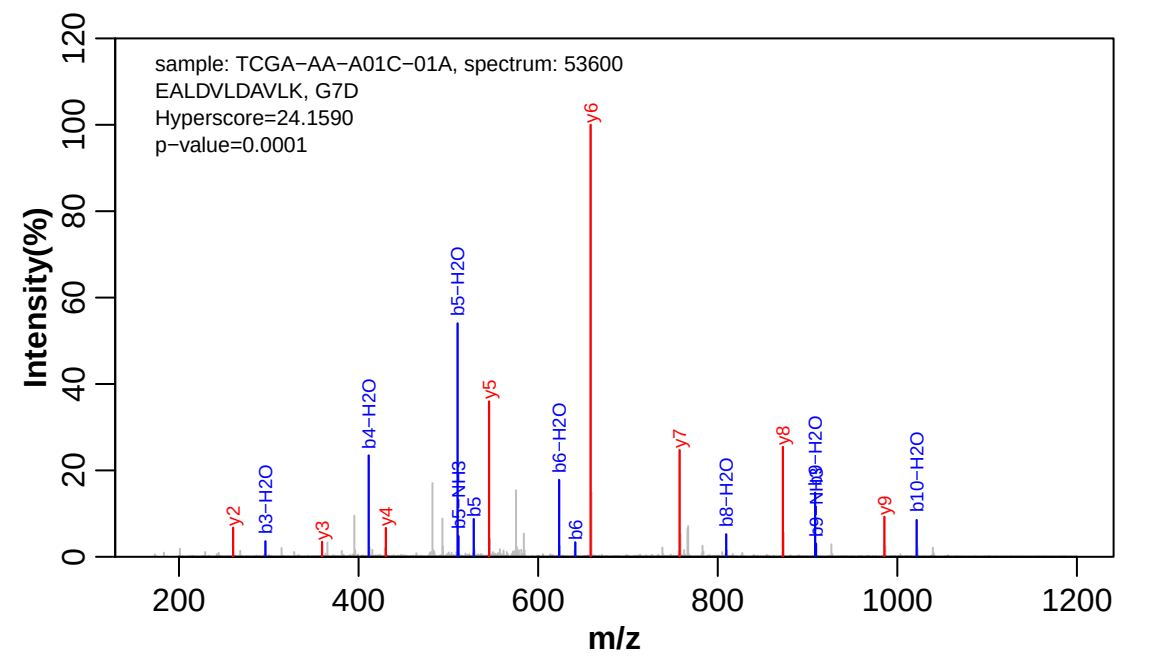

sample: TCGA−AA−A01C−01A, spectrum: 145813
DGYGFLNR, N1D
Hyperscore=26.6918
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

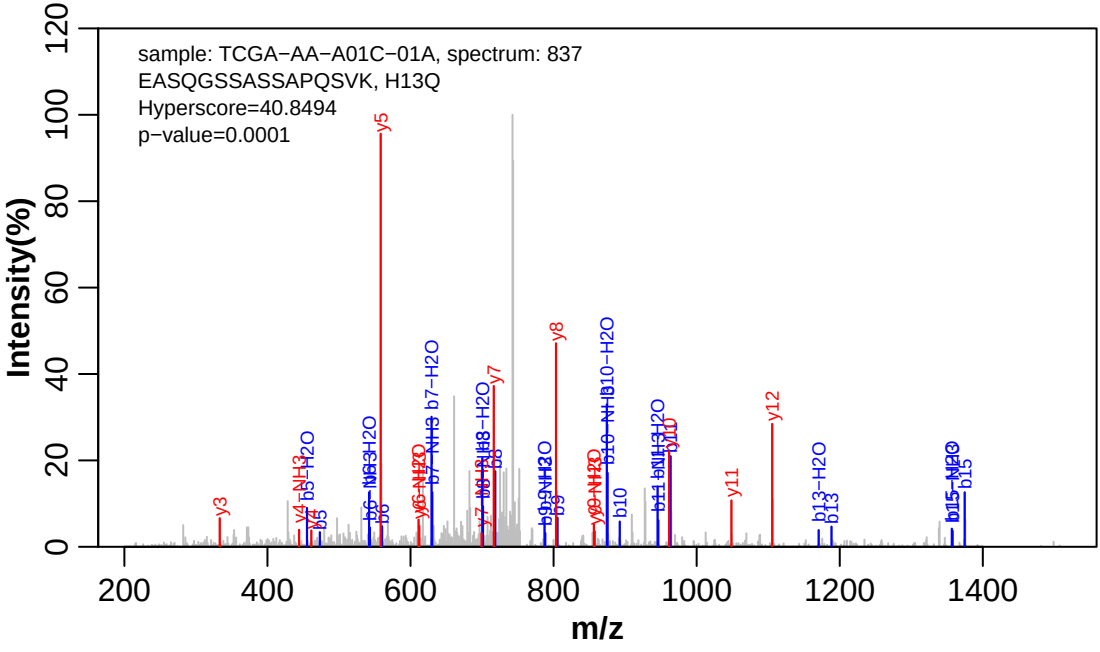

sample: TCGA−AA−A01C−01A, spectrum: 46970
DLEAHVDSANK, I6V
Hyperscore=35.6672
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y4
b4
y5
b5
y6
b6
y7
b7
y8
b9−H2O
b9
y9
b10

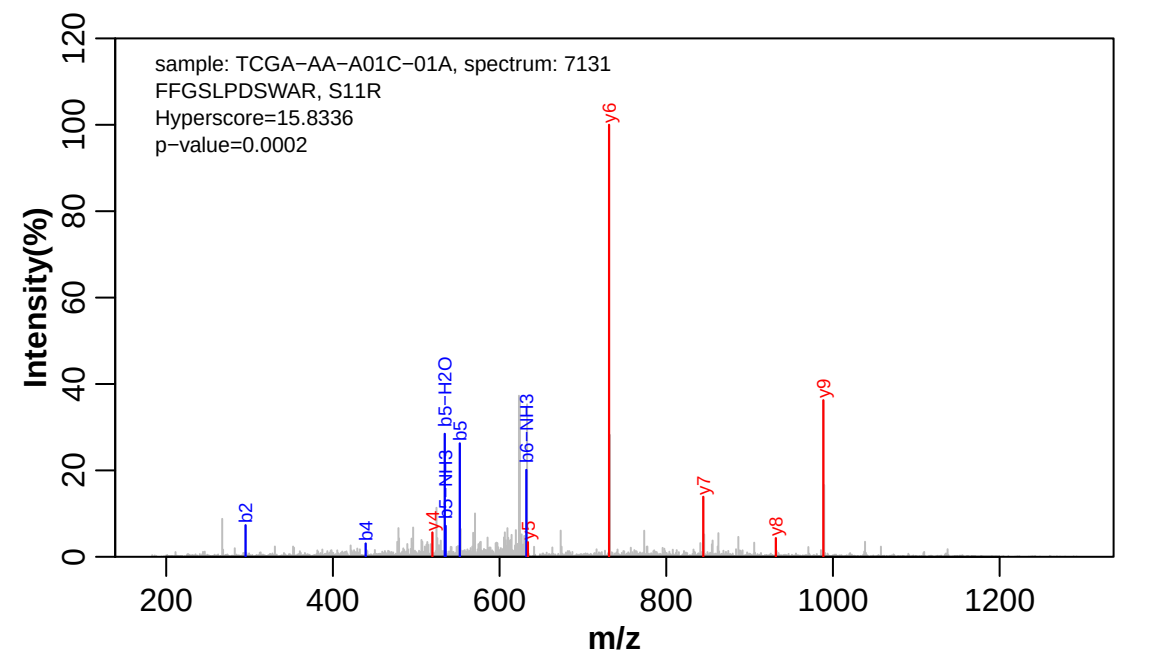

sample: TCGA−AA−A01C−01A, spectrum: 31049
DLGDLLEATGFDR, E10G
Hyperscore=51.4321
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b4−H2O
b4
y3
b5−H2O
b5
y4
b6−H2O
y5
b6
y6
b7−H2O
b7
b8−H2O
b8
y7
y8−H2O
y8
b9
y9
b10
y11
b11

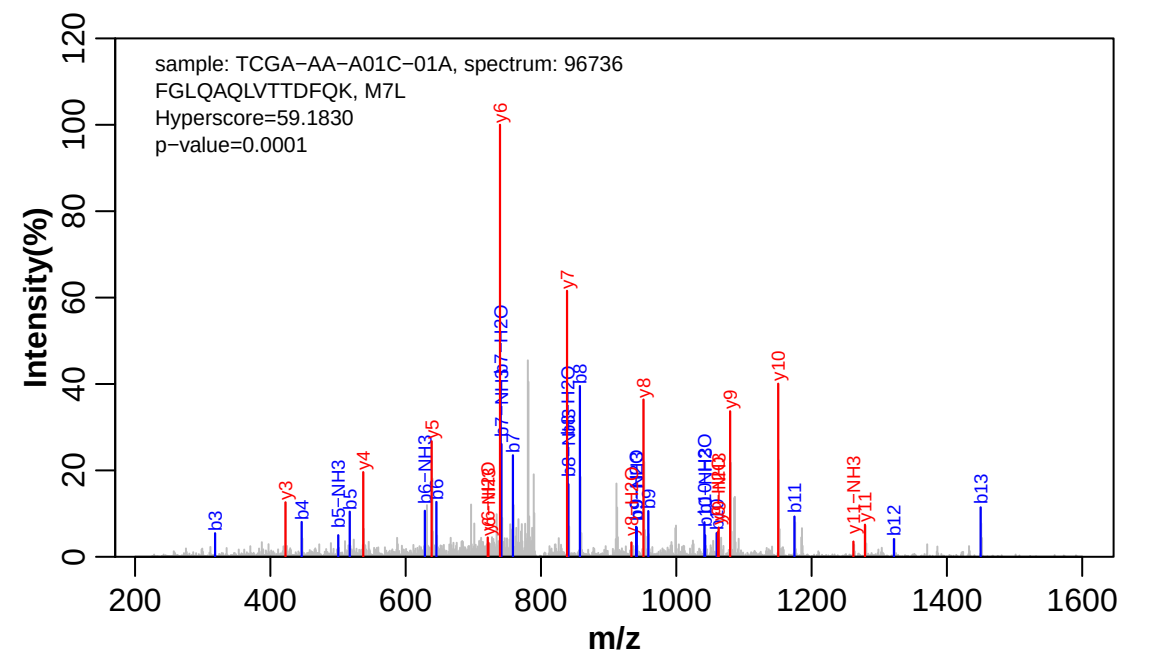

sample: TCGA−AA−A01C−01A, spectrum: 42250
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=89.9794
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16++
b12++
b11++
y6
b17++
y7
b11
b12
y2
b2
b3
b4−NH3

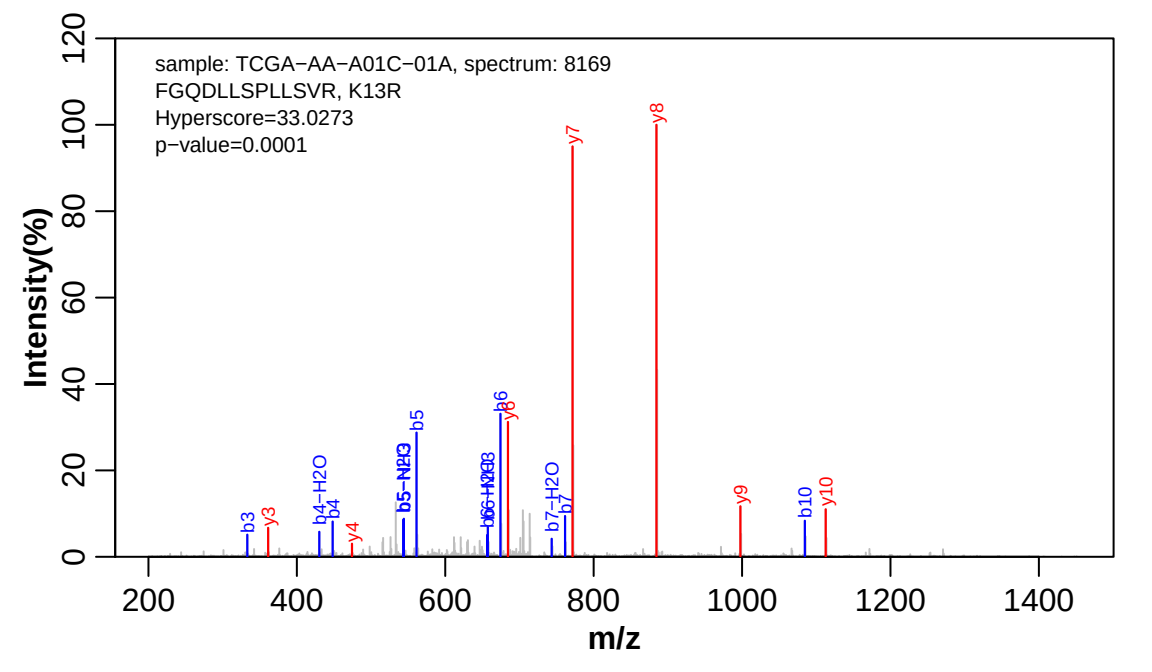

sample: TCGA−AA−A01C−01A, spectrum: 36804
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=83.2991
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b8++
y9++
b21+++−H2O

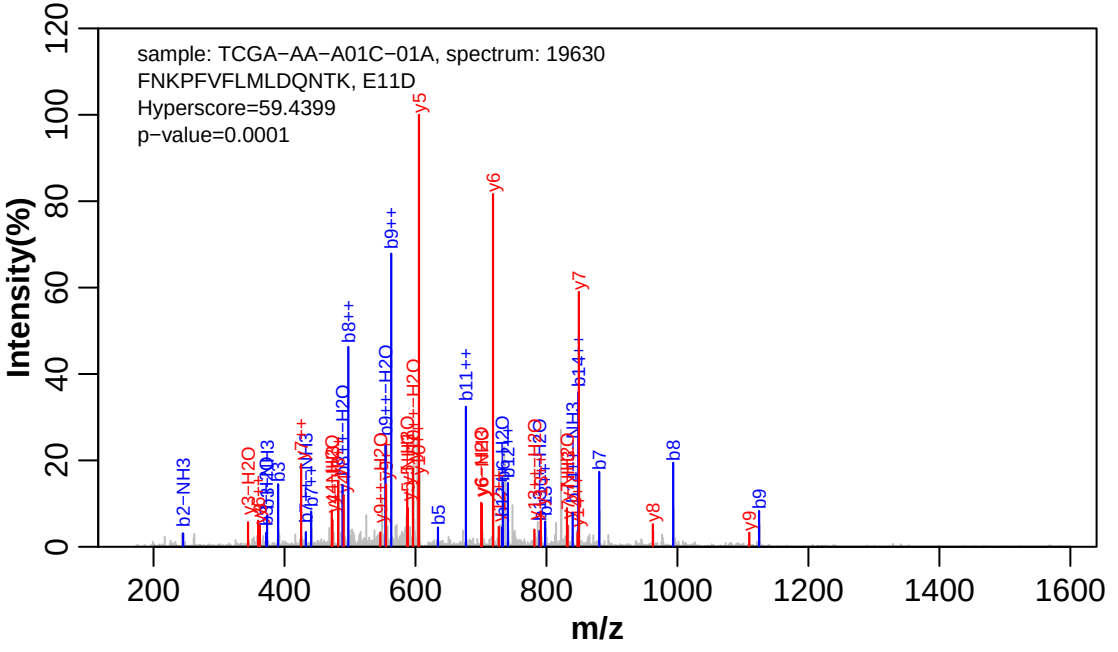

sample: TCGA−AA−A01C−01A, spectrum: 53600
EALDVLDAVLK, G7D
Hyperscore=24.1590
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
y4
b5−NH3
b5
b5−H2O
y5
b6
b6−H2O
y6
y7
b8−H2O
y8
b9−NH3
b9−H2O
y9
b10−H2O

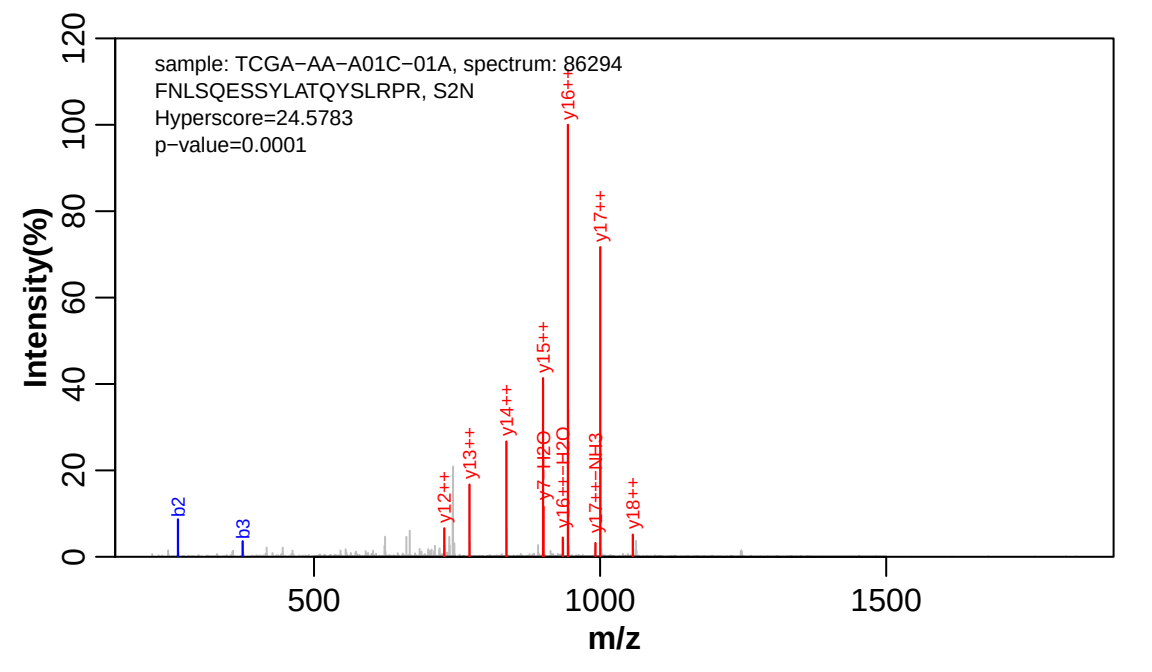

sample: TCGA−AA−A01C−01A, spectrum: 837
EASQGSSASSAPQSVK, H13Q
Hyperscore=40.8494
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y8
y7
y12
y11
y3
b7−H2O
b10−H2O
b13−H2O
b10
b13

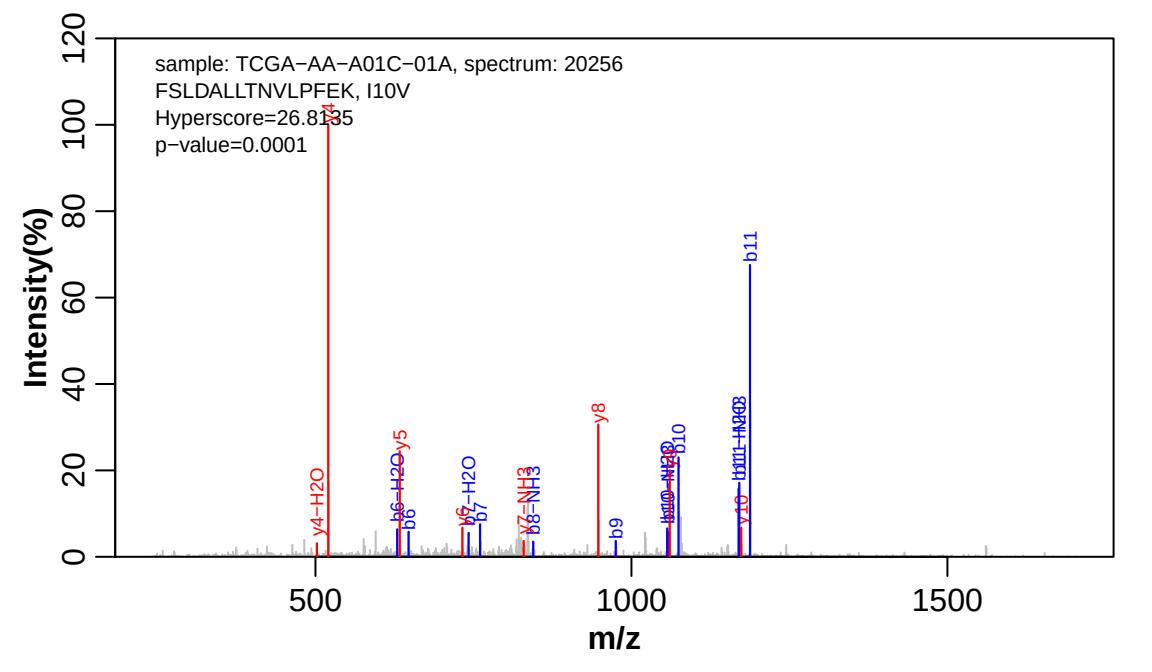

sample: TCGA−AA−A01C−01A, spectrum: 7131
FFGSLPDSWAR, S11R
Hyperscore=15.8336
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
y6
y7
y8
y9

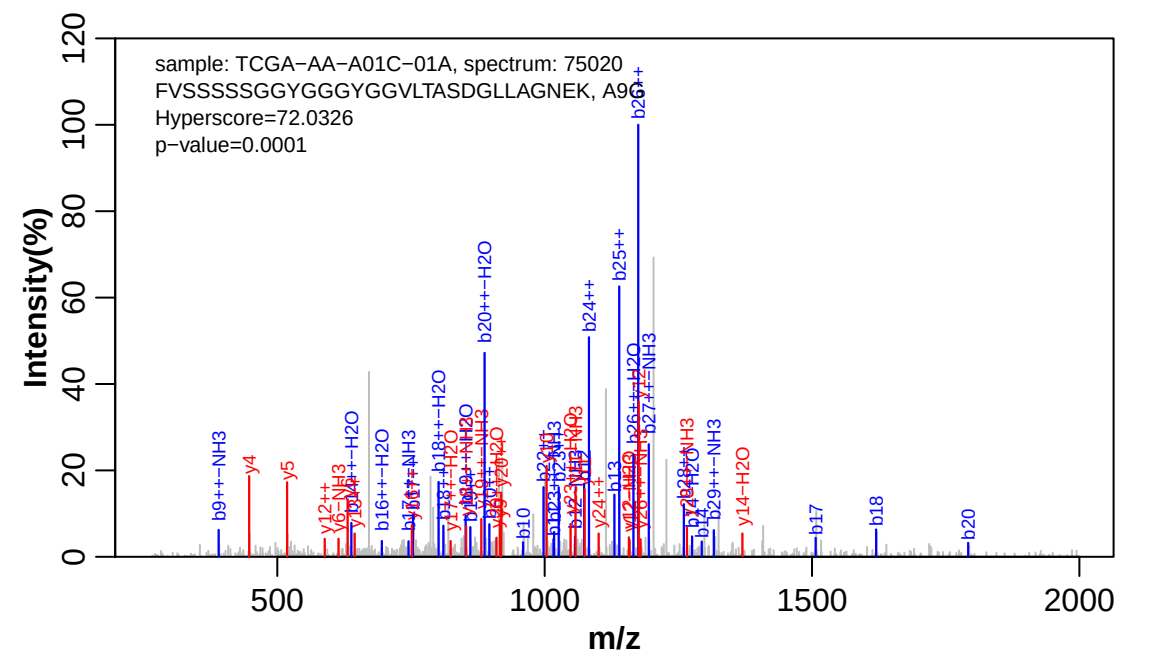

sample: TCGA−AA−A01C−01A, spectrum: 96736
FGLQAQLVTTDFQK, M7L
Hyperscore=59.1830
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b4
b5−NH3
b5
y4
y5
b6−NH3
b6
b7
y6
b7−NH3
b7−H2O
y7
b8−NH3
b8−H2O
b8
y8
b9
y9
y10
b11
y11−NH3
y11
b12
b13

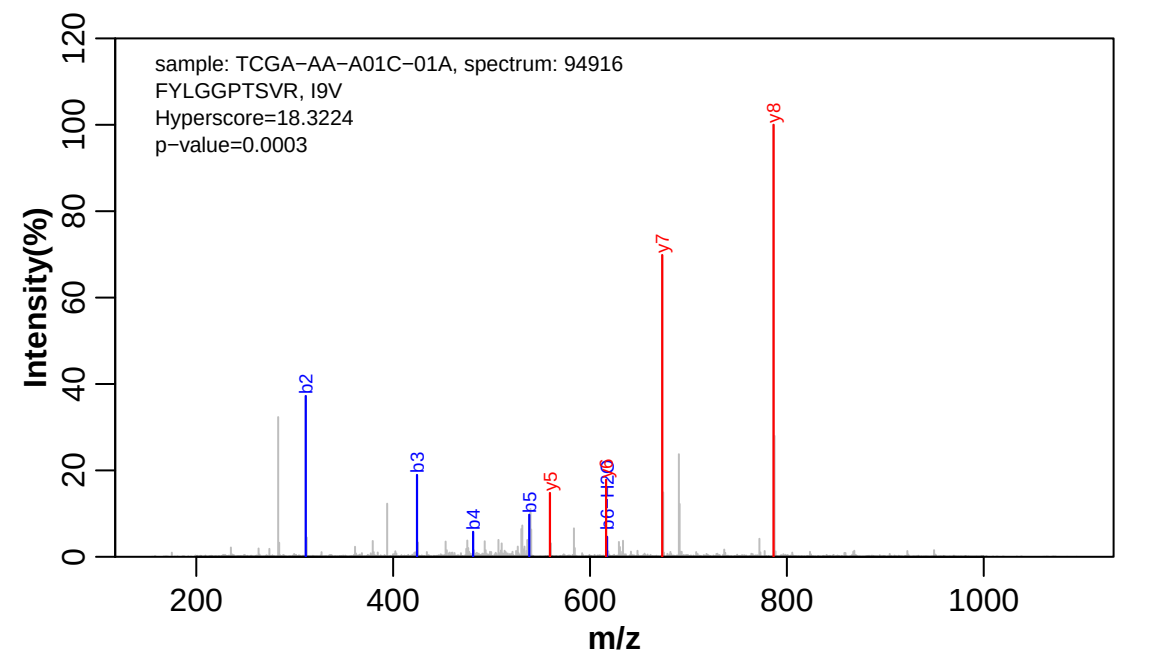

sample: TCGA−AA−A01C−01A, spectrum: 8169
FGQDLLSPLLSVR, K13R
Hyperscore=33.0273
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5
b6
y8
b7−H2O
b7
y7
y8
y9
b10
y10

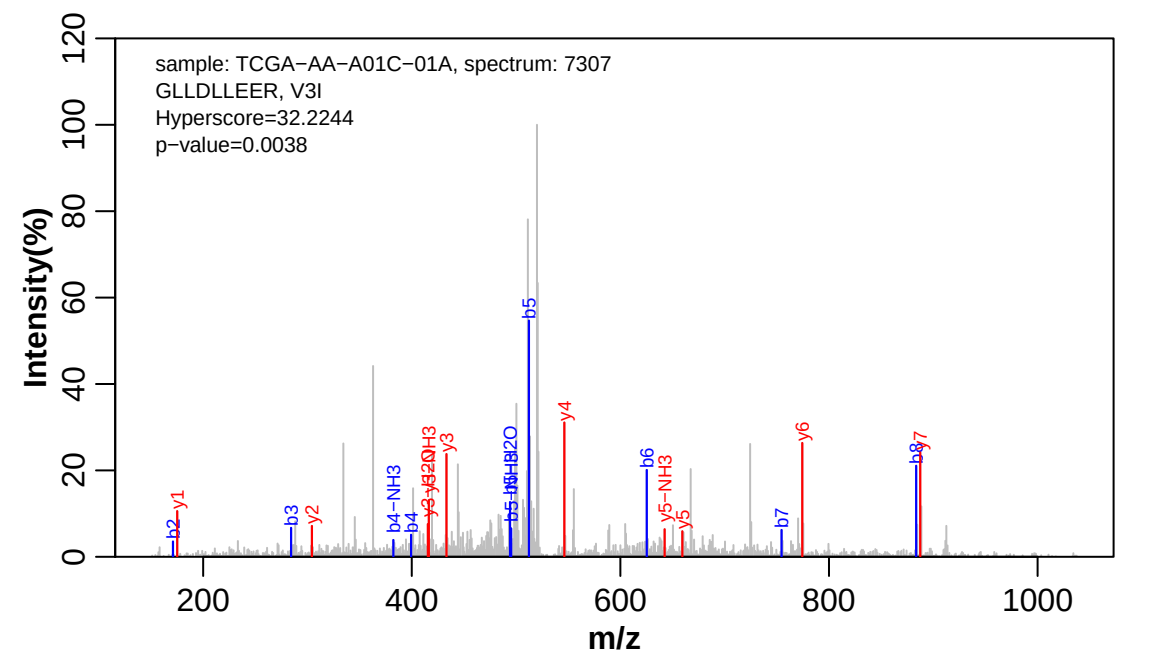

sample: TCGA−AA−A01C−01A, spectrum: 19630
FNKPFVFLMLDQNTK, E11D
Hyperscore=59.4399
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
y8
y9
b2−NH3
b5
b7
b8
b9
b8++
b9++
b11++
b14++

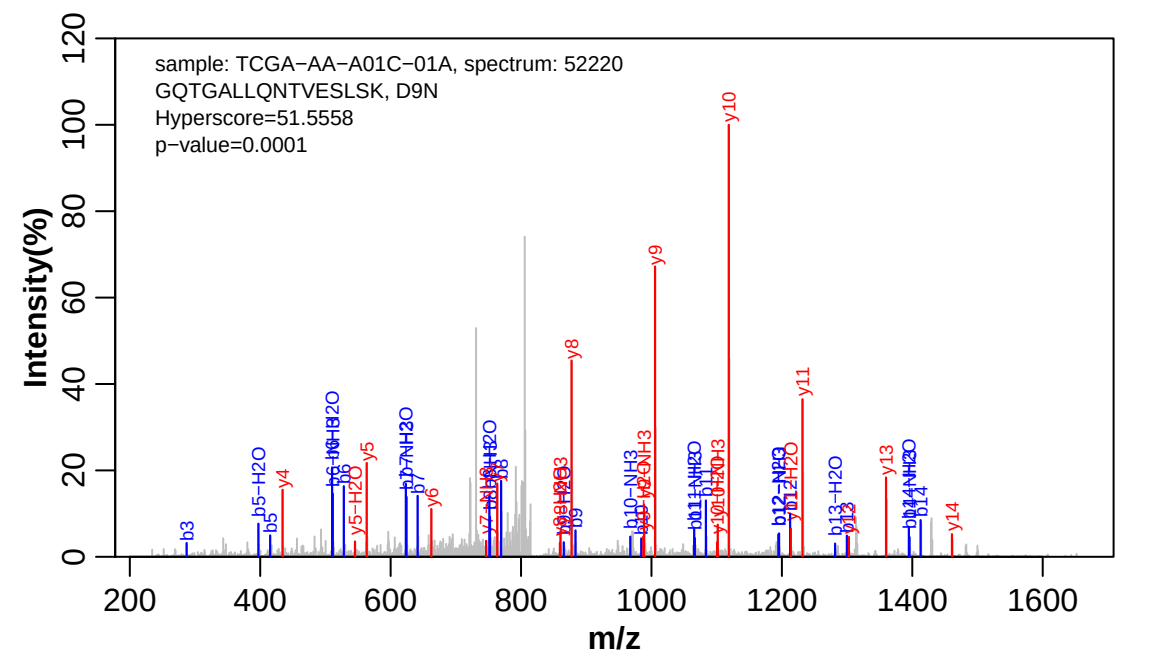

sample: TCGA−AA−A01C−01A, spectrum: 86294
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=24.5783
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
b3
y12++
y13++
y14++
y15++
y7−H2O
y16++−H2O
y16++
y17++−NH3
y17++
y18++

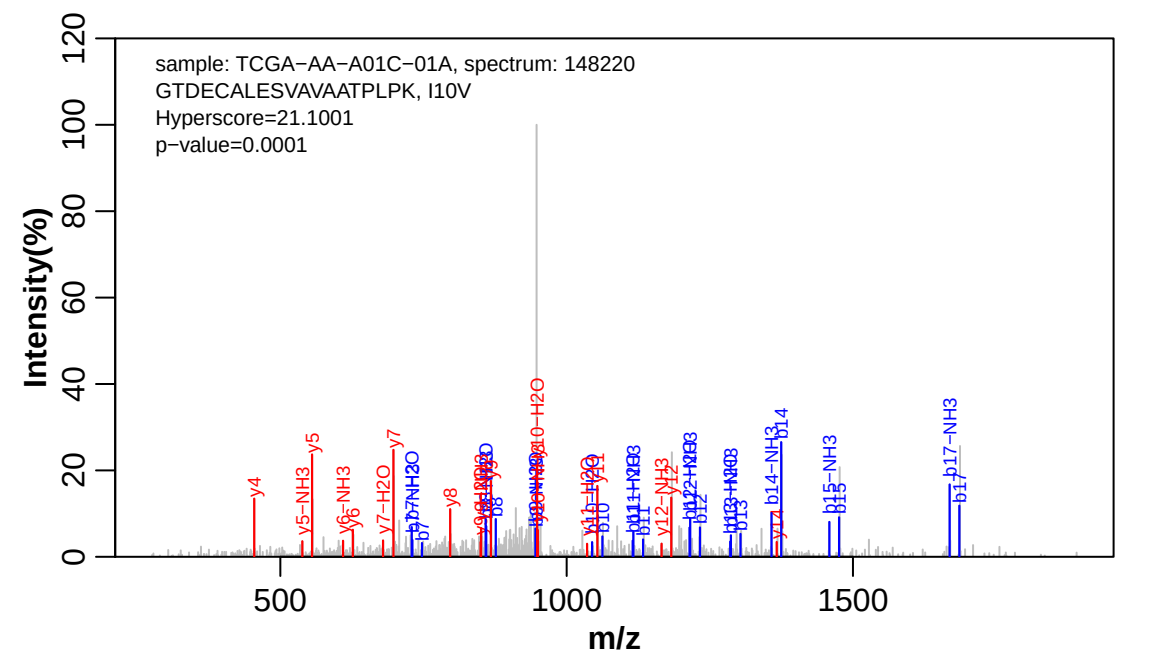

sample: TCGA−AA−A01C−01A, spectrum: 20256
FSLDALLTNVLPFEK, I10V
Hyperscore=26.8135
p−value=0.0001
Intensity(%)
m/z
y4
y4−H2O
y5
b6−H2O
b6
y6−H2O
b7
y7−NH3
b8−NH3
y8
b9
b10
b10−H2O
b10−NH3
b11
b11−H2O
b11−NH3
y10
y10−H2O
y10−NH3

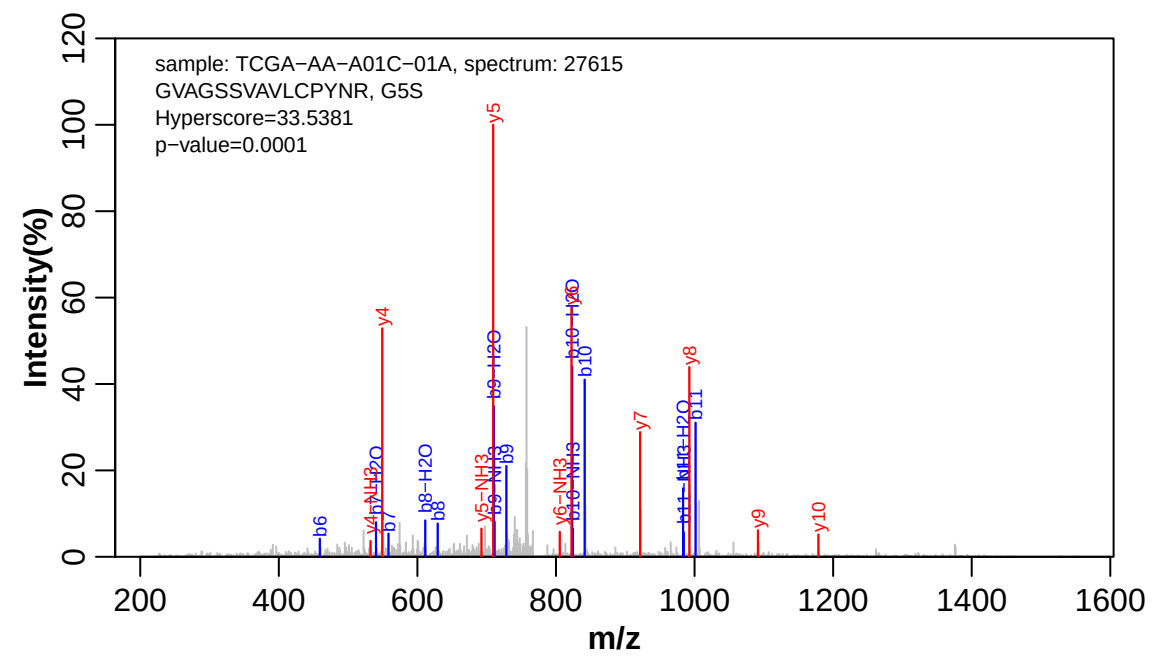

sample: TCGA−AA−A01C−01A, spectrum: 75020
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=72.0326
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y12++
y6−NH3
y10++−H2O
b16++−H2O
b17++−NH3
b18++−H2O
b20++−H2O
b24++
b25++
b26++
b27++−NH3
b10
y24++
b13
b29++−NH3
y14−H2O
b17
b18
b20

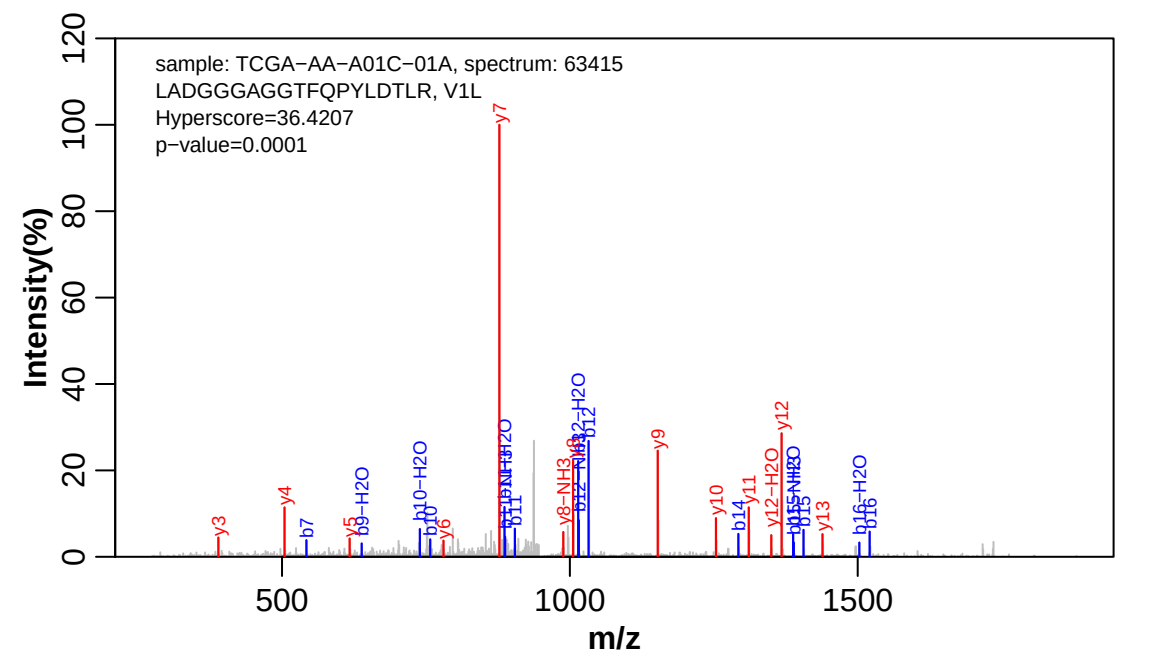

sample: TCGA−AA−A01C−01A, spectrum: 94916
FYLGGPTSVR, I9V
Hyperscore=18.3224
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

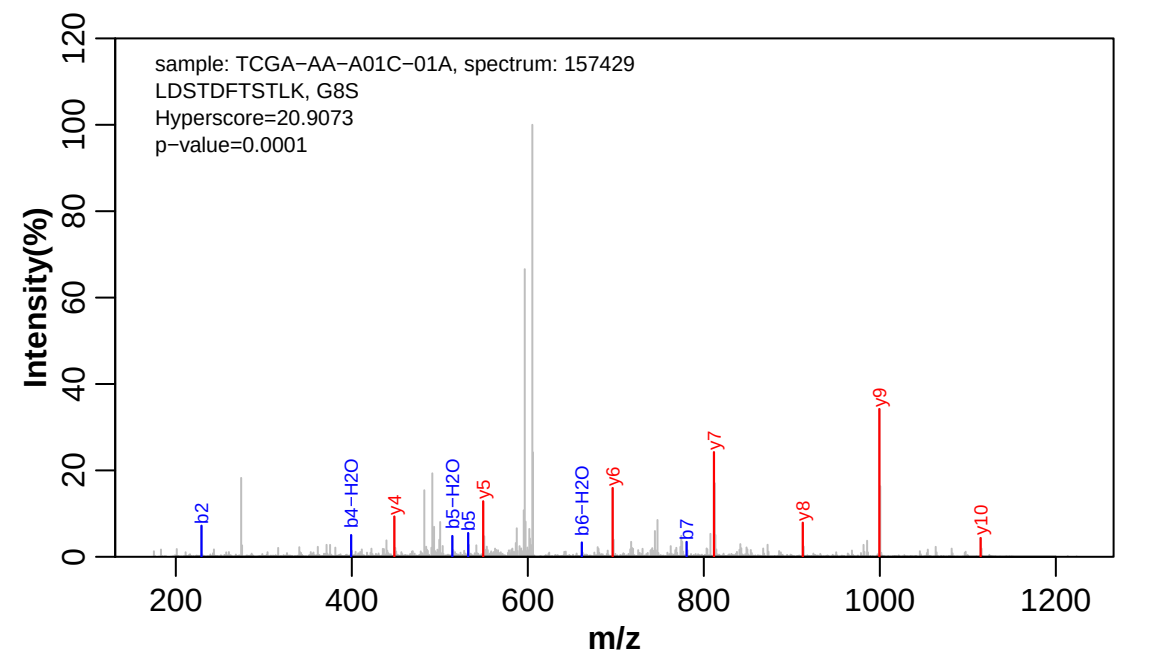

sample: TCGA−AA−A01C−01A, spectrum: 7307
GLLDLLEER, V3I
Hyperscore=32.2244
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
b3
y2
b4−NH3
b4
y3−H2O
y3−NH3
y3
b5
b5−NH3
b5−H2O
y4
b6
y5−NH3
y5
b7
y6
b8
y7

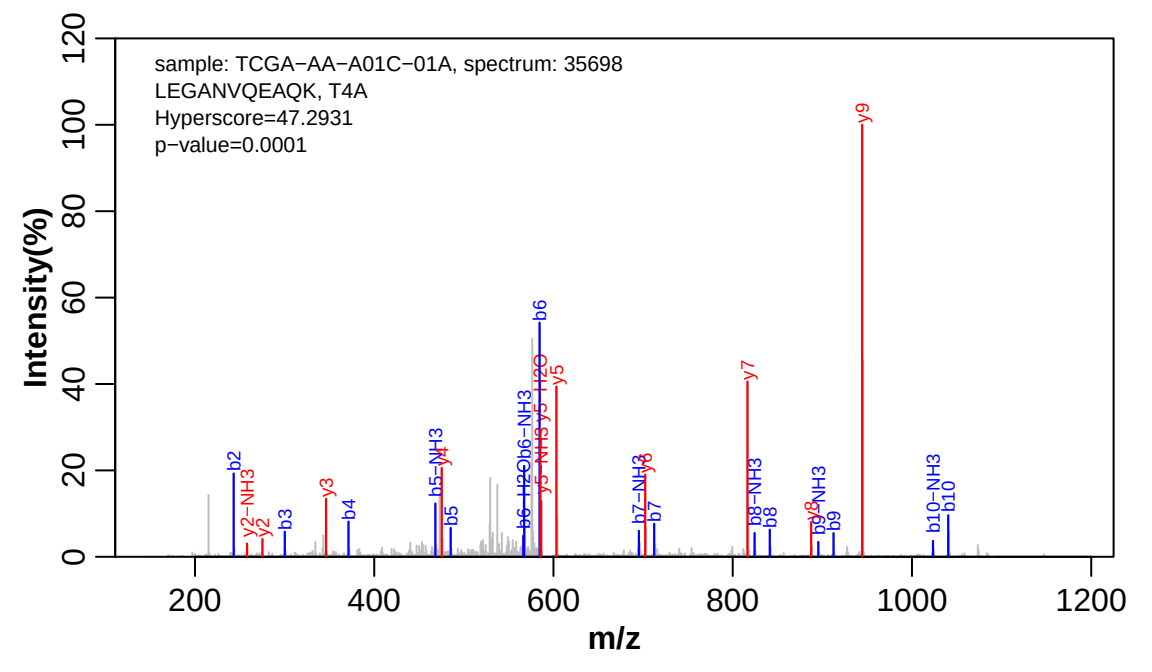

sample: TCGA−AA−A01C−01A, spectrum: 52220
GQTGALLQNTVESLSK, D9N
Hyperscore=51.5558
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b5−H2O
b5
y4
b6−NH3
b6−H2O
b6
y5−H2O
y5
b7−NH3
b7−H2O
b7
y6
b8−NH3
b8−H2O
b8
y7−H2O
y7
y8−NH3
y8−H2O
y8
b9−NH3
b9−H2O
b9
y8
b10−NH3
b10−H2O
b10
y9−NH3
y9−H2O
y9
b11−NH3
b11−H2O
b11
y10−NH3
y10−H2O
y10
b12−NH3
b12−H2O
b12
y11−H2O
y11
b13−H2O
b13
y13
b14−NH3
b14−H2O
b14
y14

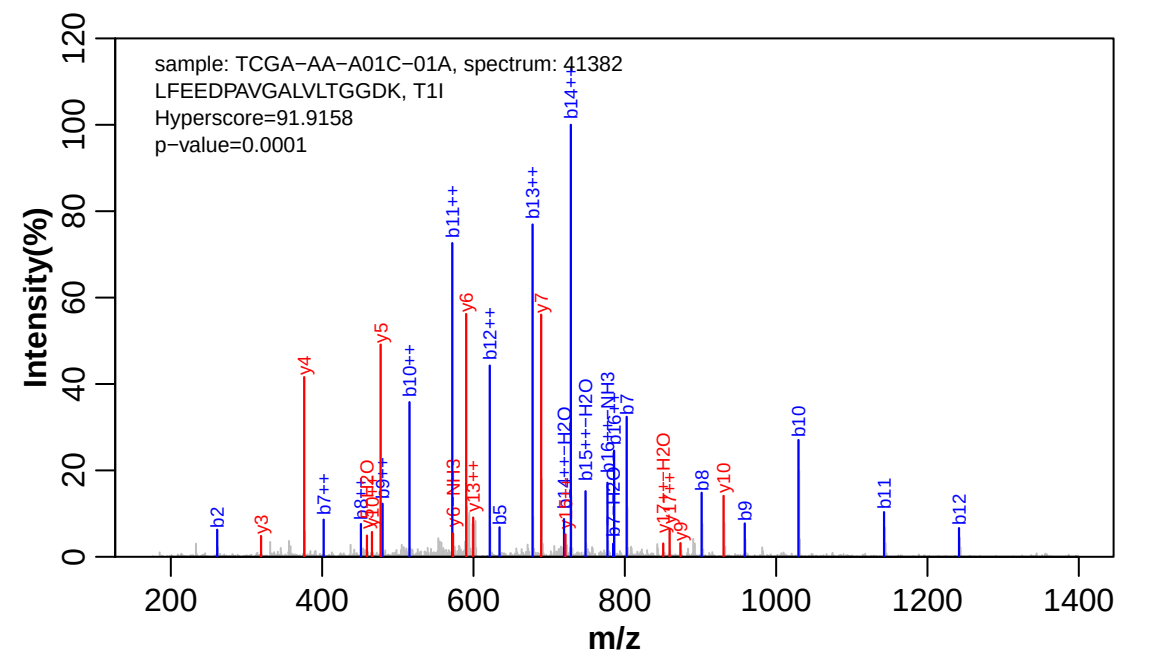

sample: TCGA−AA−A01C−01A, spectrum: 148220
GTDECALESVAVAATPLPK, I10V
Hyperscore=21.1001
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4
y5−NH3
y5
y6
y6−NH3
y7−H2O
y7
y8
b14
b14−NH3
b15−NH3
b17−NH3

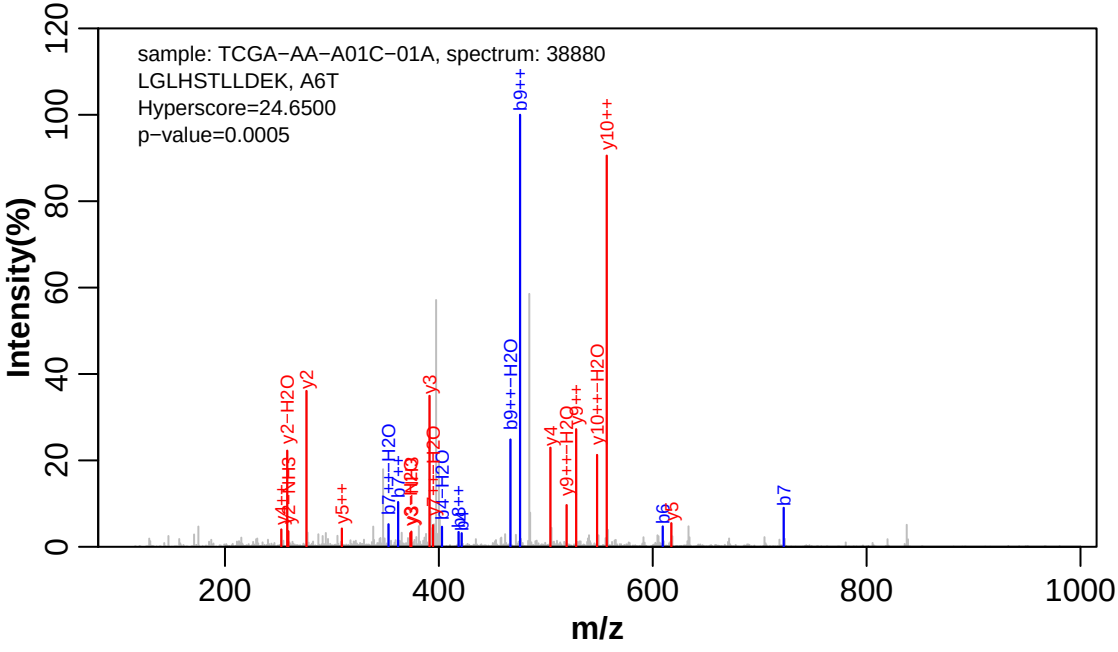

sample: TCGA−AA−A01C−01A, spectrum: 27615
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.5381
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y4
b9−H2O
b10−H2O
b10
y8
y7
b11
b8−H2O
y5−NH3
y6−NH3
b9
b8
b6
y9
y10

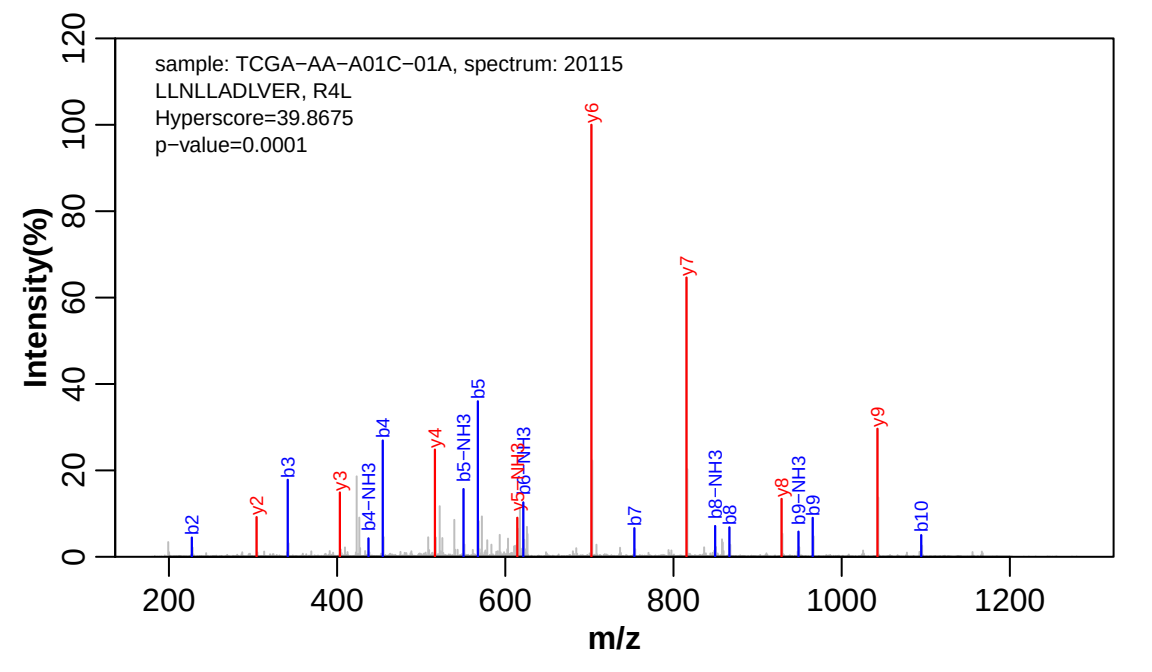

sample: TCGA−AA−A01C−01A, spectrum: 63415
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=36.4207
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y7
y4
y3
b7
y5
b9−H2O
b10−H2O
b10
y6
y8−NH3
y9
y12−H2O
y12
y10
b14
y11
y13
b16−H2O
b16

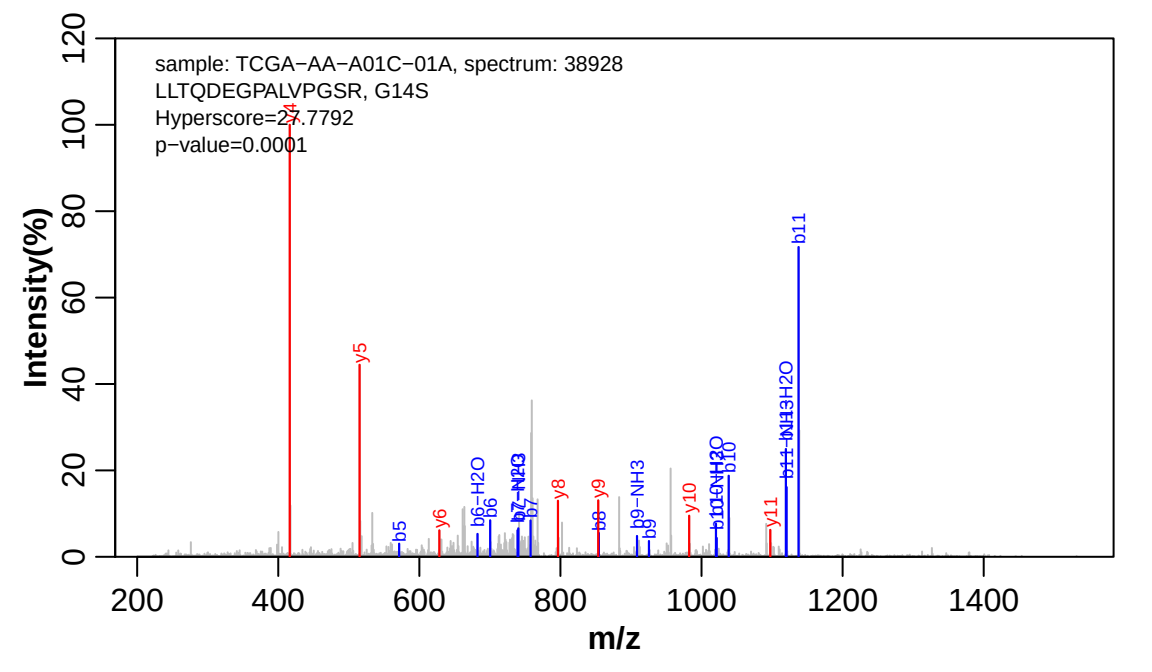

sample: TCGA−AA−A01C−01A, spectrum: 157429
LDSTDFTSTLK, G8S
Hyperscore=20.9073
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
y6
b7
y7
y8
y9
y10

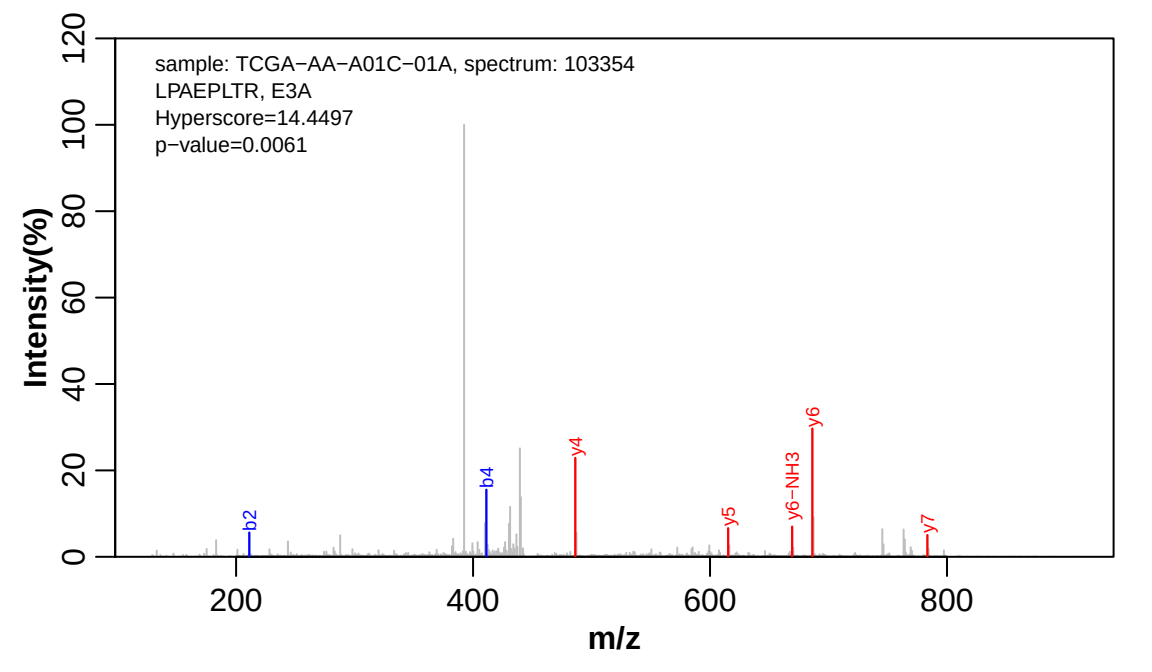

sample: TCGA−AA−A01C−01A, spectrum: 35698
LEGANVQEAQK, T4A
Hyperscore=47.2931
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−NH3
y2
b3
y3
b4
b5−NH3
y4
b5
b6−H2O
b6−NH3
y5−NH3
y5−H2O
b6
y5
b7−NH3
y6
b7
y7
b8−NH3
b8
b9−NH3
y8
b9
y9
b10−NH3
b10

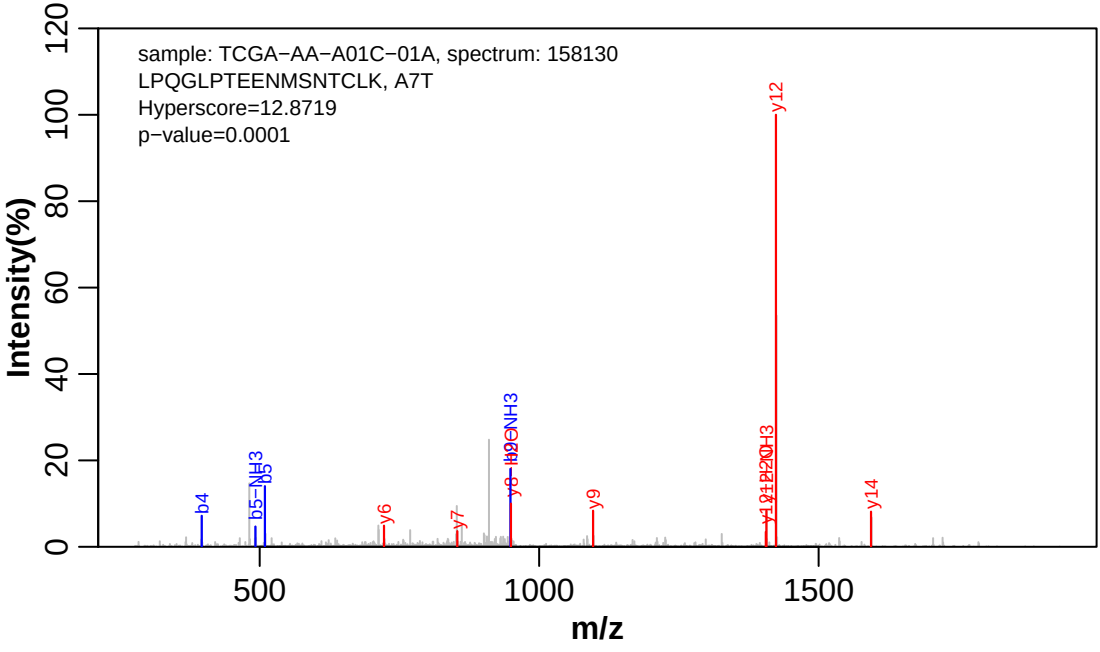

sample: TCGA−AA−A01C−01A, spectrum: 41382
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=91.9158
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
y5
b10++
b11++
y6
b12++
b13++
y7
b14++
b5
y13++
b15++−H2O
b15++−NH3
b7
b8
y10
b9
b10
b11
b12

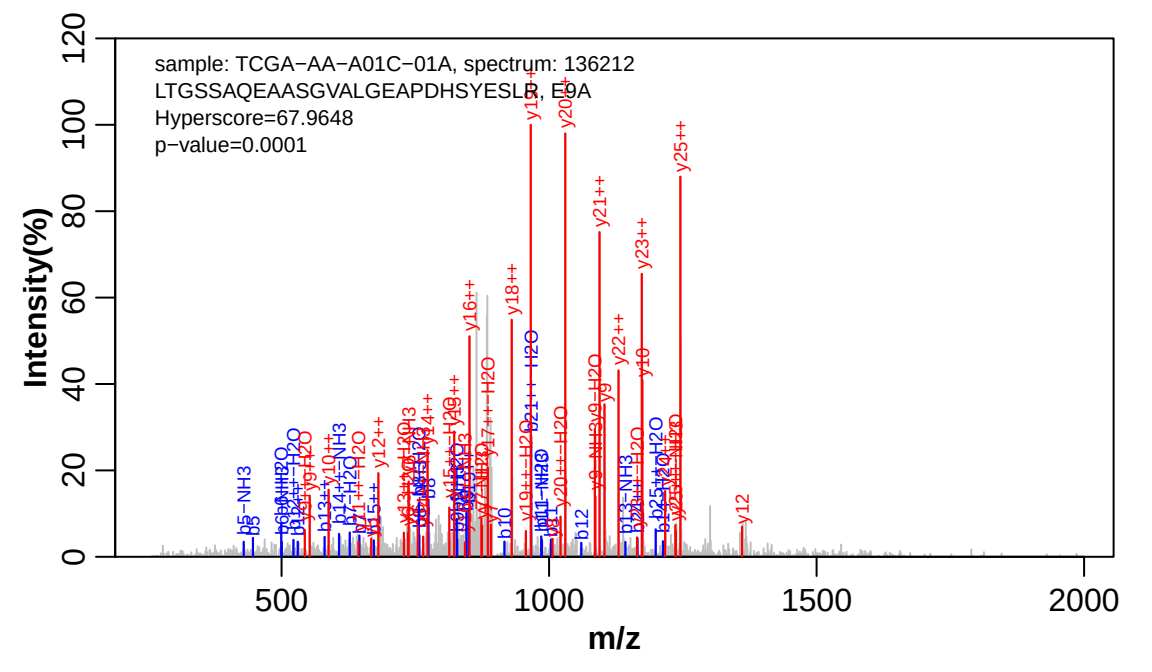

sample: TCGA−AA−A01C−01A, spectrum: 38880
LGLHSTLLDEK, A6T
Hyperscore=24.6500
p−value=0.0005
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b9++
y10++
y2
y2−H2O
y3
b9++−H2O
y10++−H2O
y4
y9++
y5++
b7++−H2O
b7++
y3−H2O
b4++−H2O
b4++
b8++
b6
y5
b7

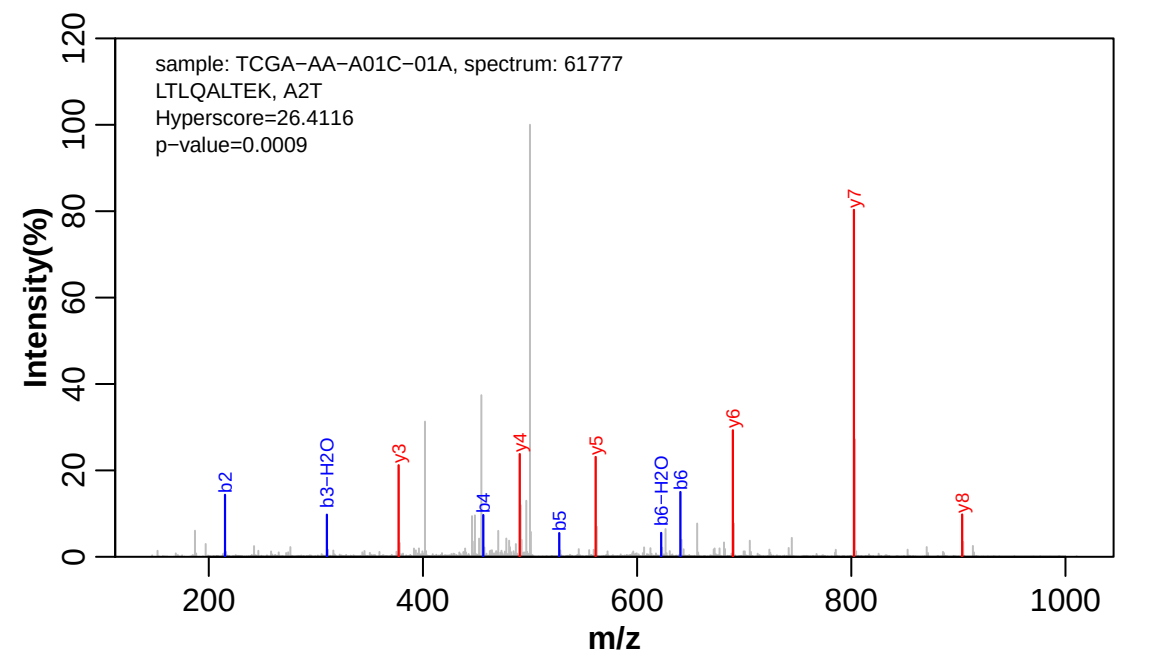

sample: TCGA−AA−A01C−01A, spectrum: 20115
LLNLLADLVER, R4L
Hyperscore=39.8675
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

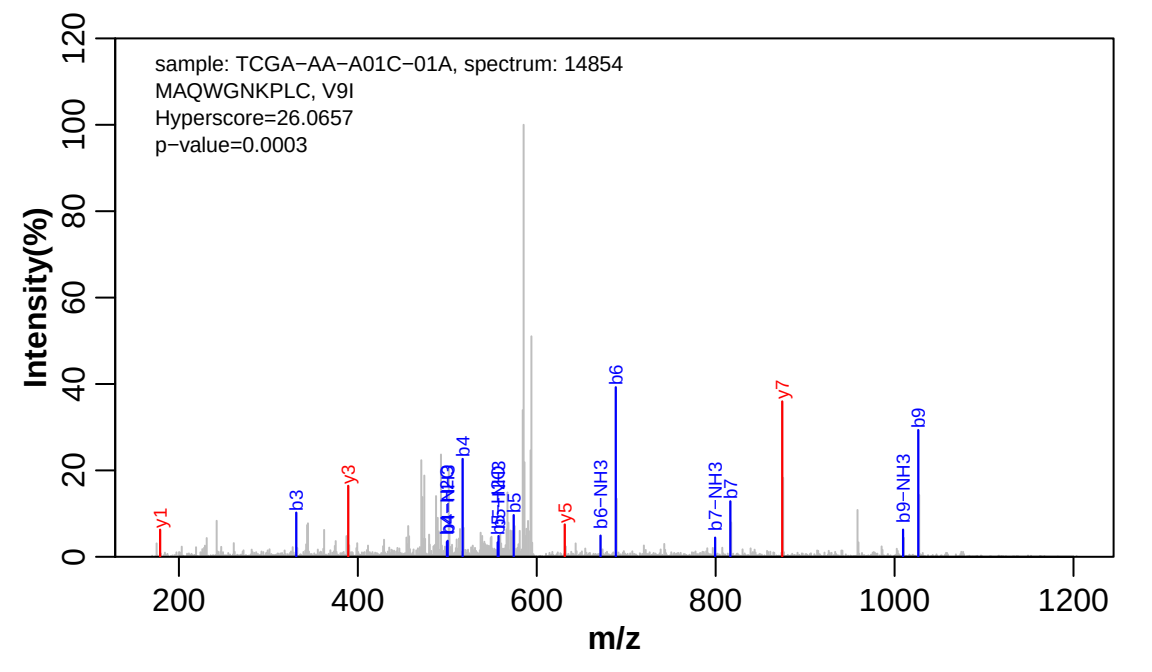

sample: TCGA−AA−A01C−01A, spectrum: 38928
LLTQDEGPALVPGSR, G14S
Hyperscore=27.7792
p−value=0.0001
Intensity(%)
m/z
y4
y5
y6
b5
b6
b6−H2O
b7
b7−NH3
y8
b8−y9
b9−NH3
b9
y10
b10
y11
b11
b11−H2O
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

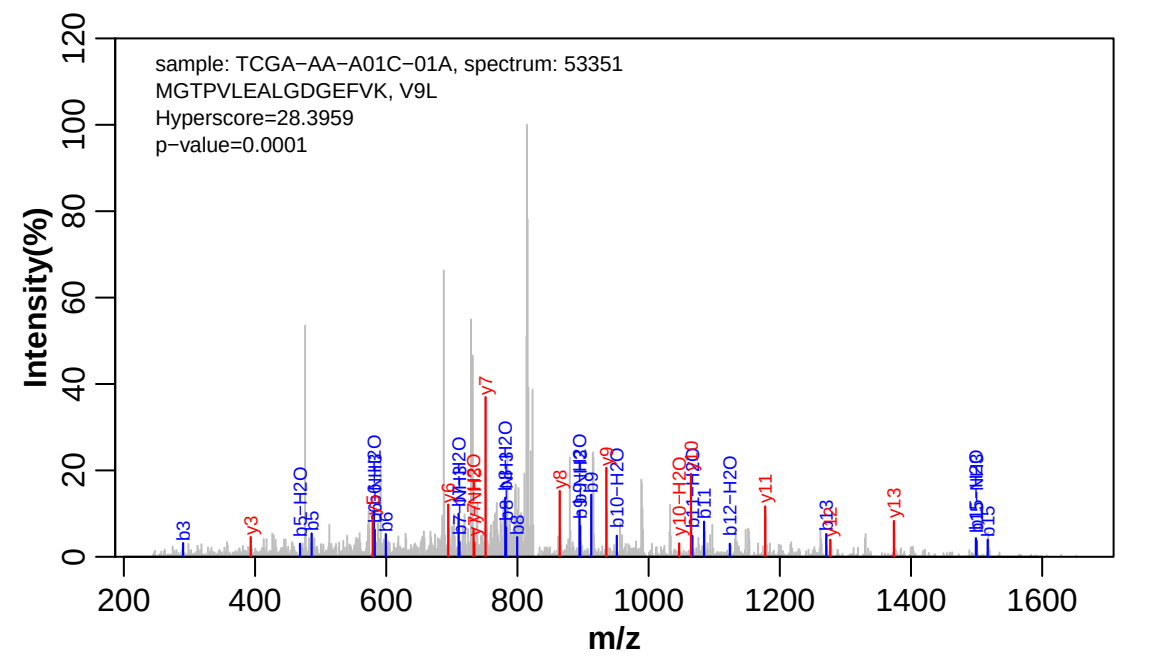

sample: TCGA−AA−A01C−01A, spectrum: 103354
LPAEPLTR, E3A
Hyperscore=14.4497
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b4
y4
y5
y6−NH3
y6
y7

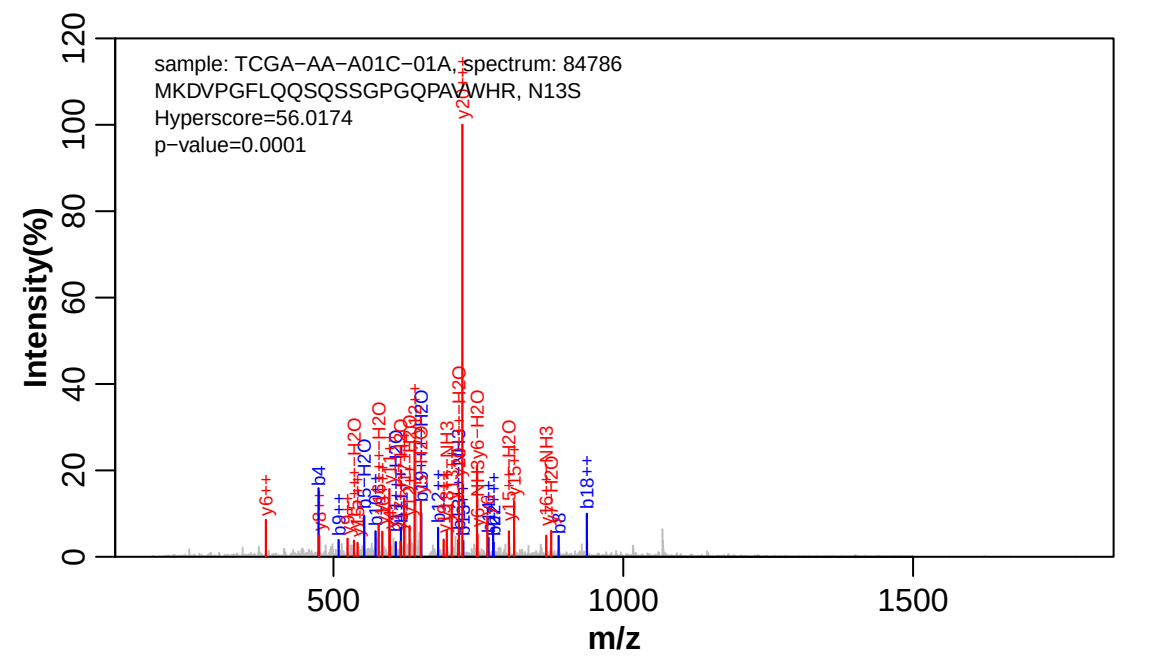

sample: TCGA−AA−A01C−01A, spectrum: 158130
LPQGLPTEENMSNTCLK, A7T
Hyperscore=12.8719
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4
b5−NH3
b5
y6
y7
y8−NH3
y8
y9
y12
y14

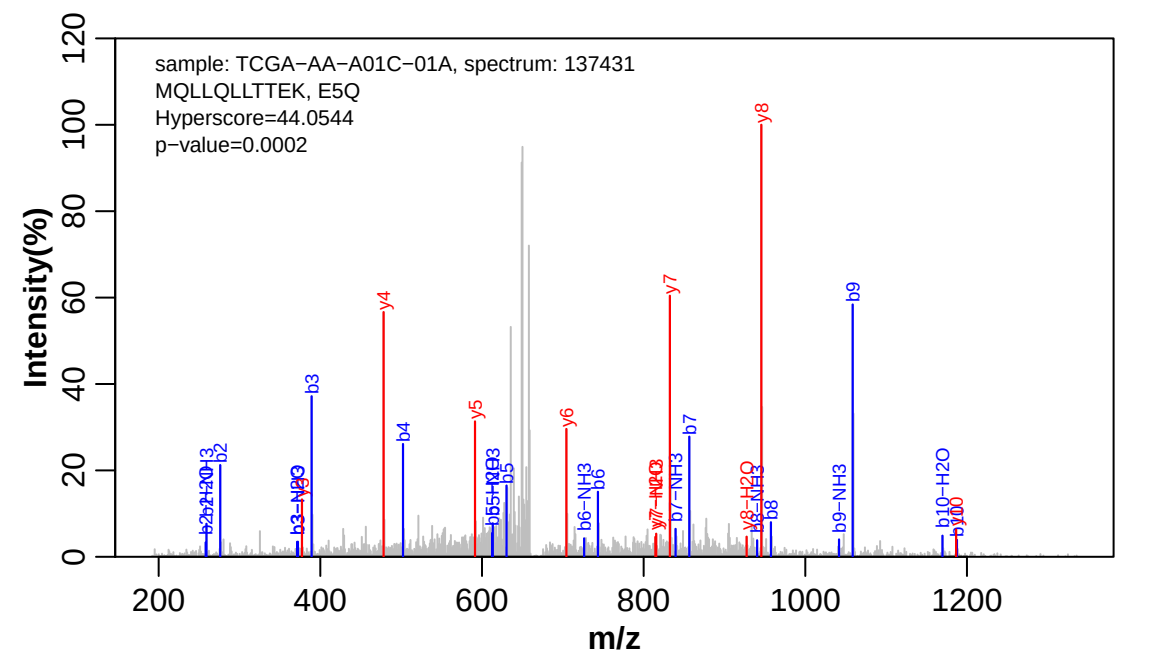

sample: TCGA−AA−A01C−01A, spectrum: 136212
LTGSSAQEAASGVALGEAPDHSYESLR, E9A
Hyperscore=67.9648
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y19++
y20++
y25++
y21++
y23++
y18++
y16++
y22++
y10
y12
b5−NH3
b5
b12
b13−NH3
b25++−H2O

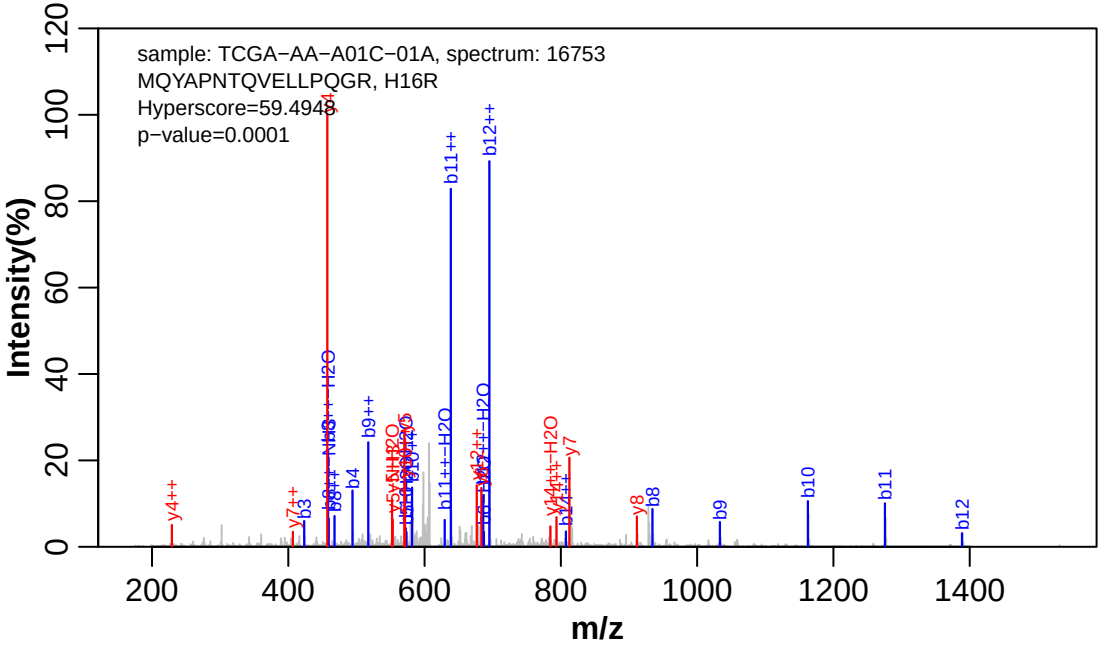

sample: TCGA−AA−A01C−01A, spectrum: 61777
LTLQALTEK, A2T
Hyperscore=26.4116
p−value=0.0009
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b2
b3−H2O
y3
b4
y4
b5
y5
b6−H2O
b6
y6
y7
y8

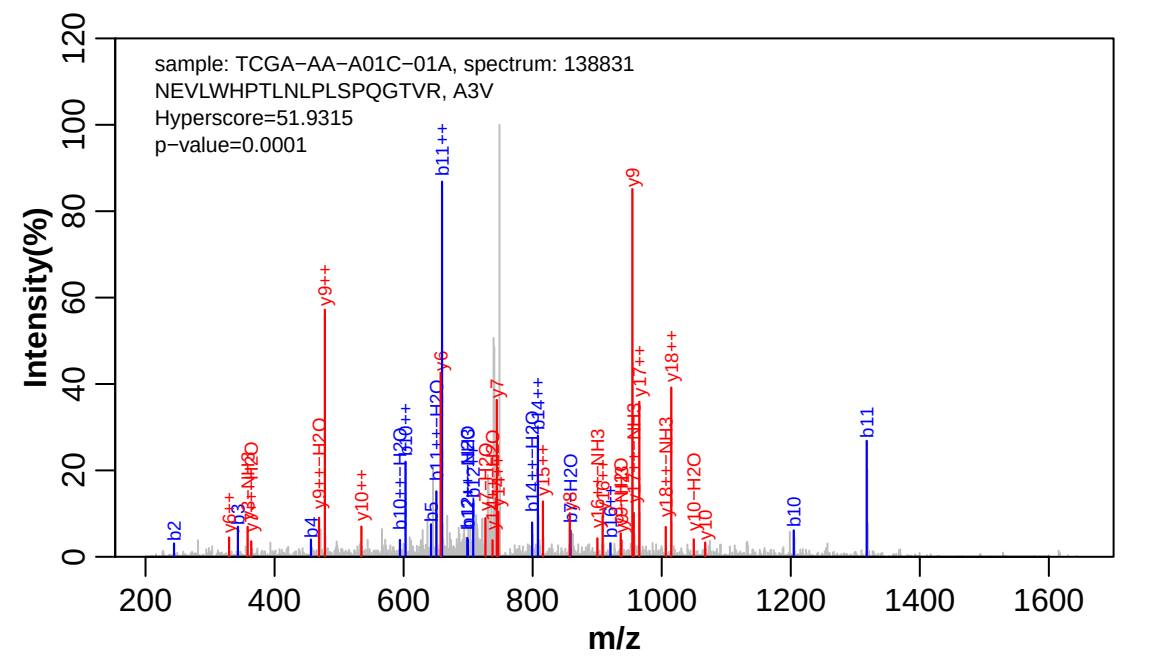

sample: TCGA−AA−A01C−01A, spectrum: 14854
MAQWGNKPLC, V9I
Hyperscore=26.0657
p−value=0.0003
Intensity(%)
m/z
y1
b3
y3
b4
b4−NH3
b5
y5
b6
b6−NH3
b7−NH3
b7
y7
b9
b9−NH3

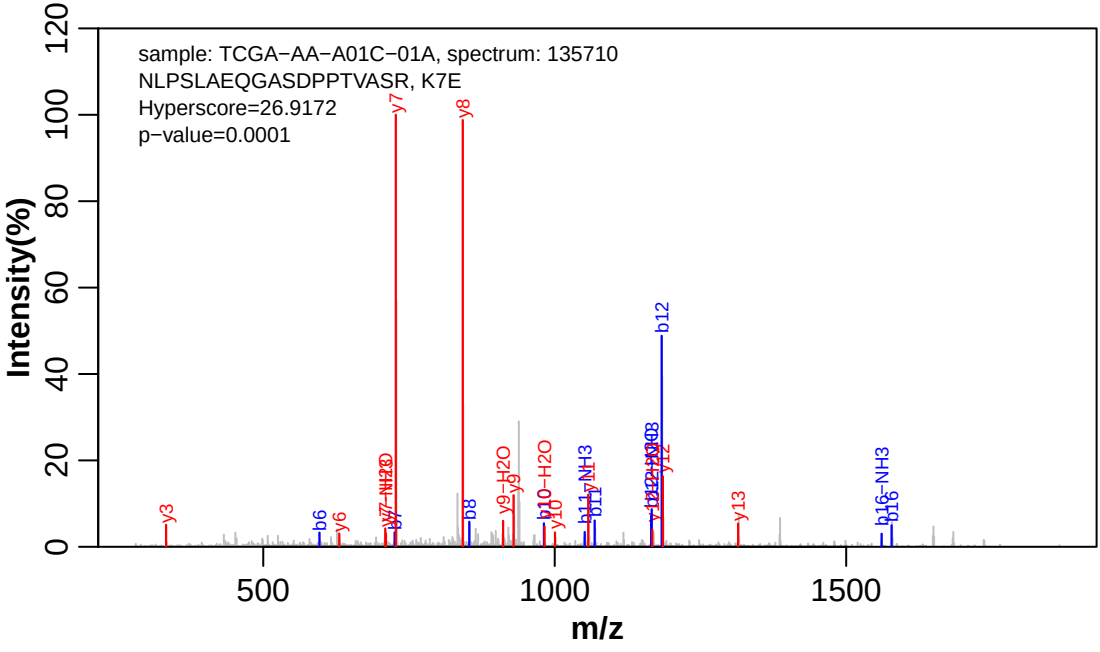

sample: TCGA−AA−A01C−01A, spectrum: 53351
MGTPVLEALGDGEFVK, V9L
Hyperscore=28.3959
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b5−H2O
b5
y8
b10−H2O
y10−H2O
b12−H2O
y11
y13

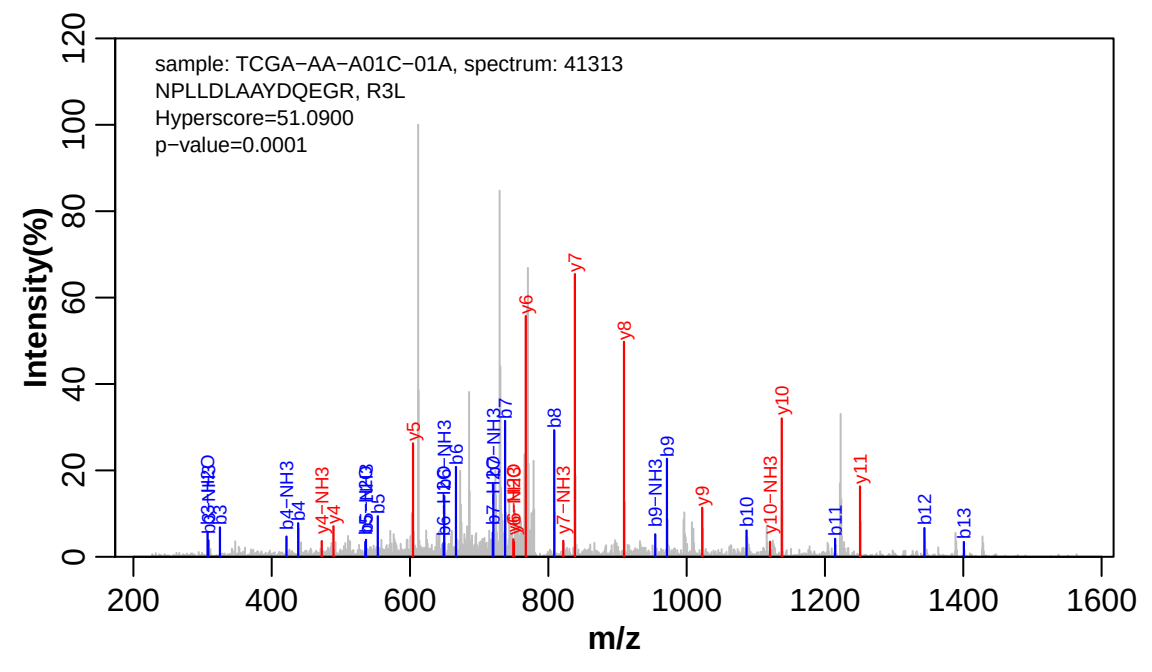

sample: TCGA−AA−A01C−01A, spectrum: 84786
MKDVPGFLQQSQSSGPGQPAVAWHR, N13S
Hyperscore=56.0174
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2++
y6++
y8++
b4
b8++
b18++
y15++
y16++
b8
y15++−H2O
y16++−NH3
b18++−H2O
y6++−H2O
y8++−H2O
b8++−H2O
b18++−NH3

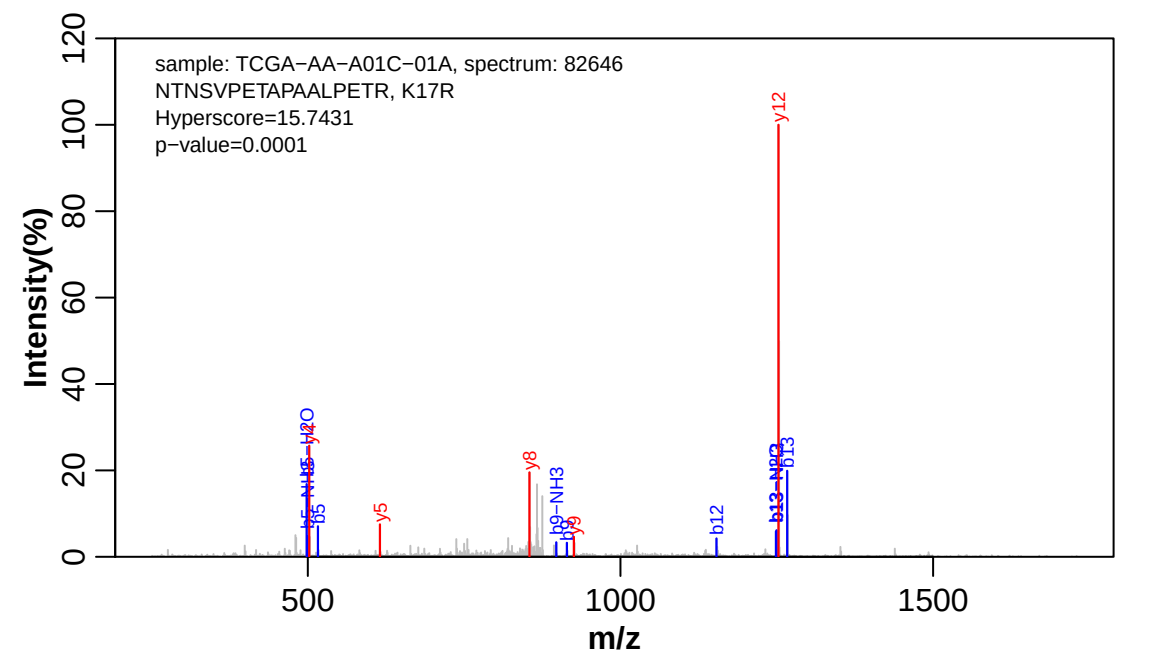

sample: TCGA−AA−A01C−01A, spectrum: 137431
MQLLQLLTTEK, E5Q
Hyperscore=44.0544
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y8
y4
y7
b9
b3
y5
y6
b4
b7
b2
b6
b5
b8
b10−H2O
b9−NH3
b6−NH3
b7−NH3
y8−H2O
y10

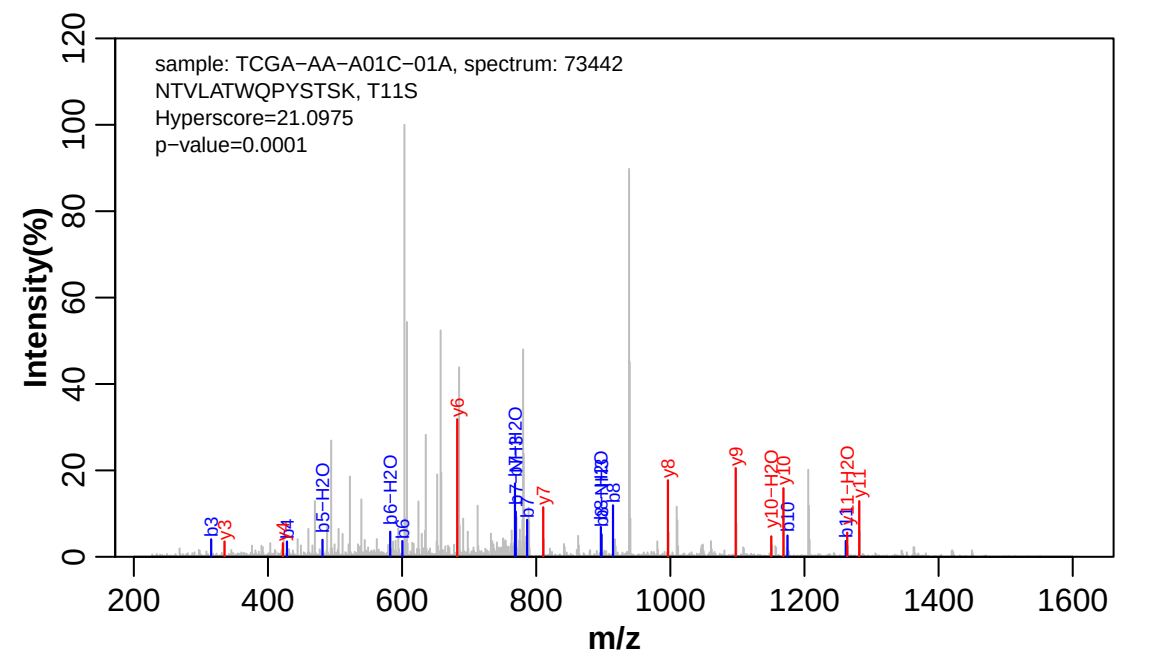

sample: TCGA−AA−A01C−01A, spectrum: 16753
MQYAPNTQVELLPQGR, H16R
Hyperscore=59.4948
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4++
y7++
b3
b4
b9++
b11++−H2O
b12++
y7
y8
b8
b9
b10
b11
b12

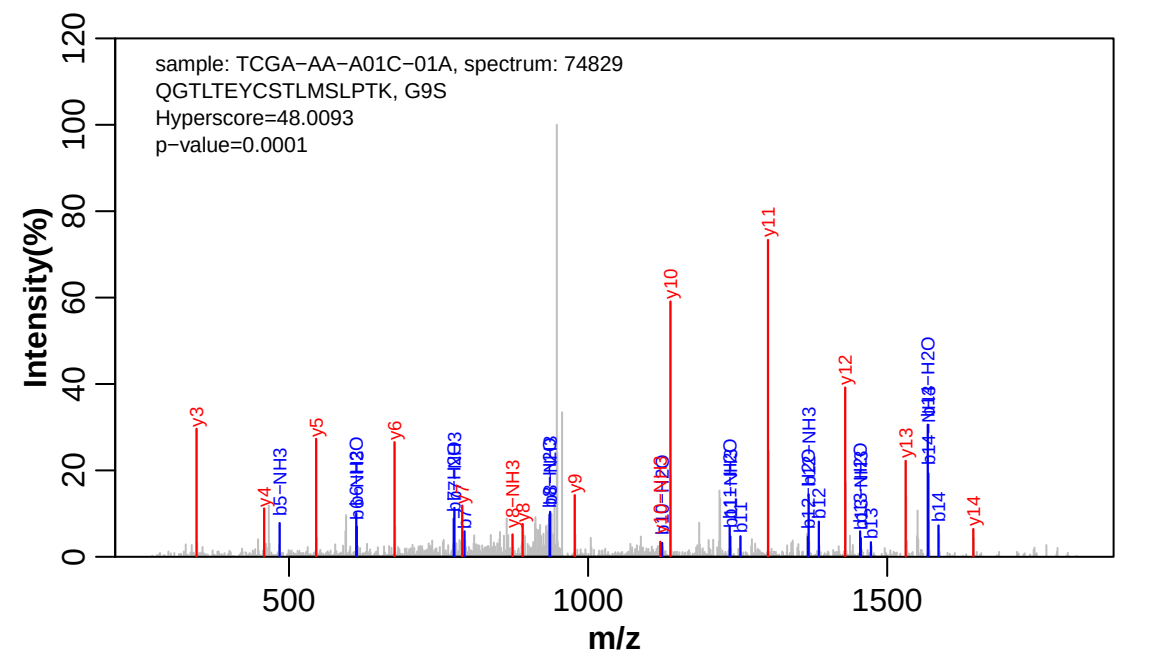

sample: TCGA−AA−A01C−01A, spectrum: 138831
NEVLWHPTLNLPLSPQGTVR, A3V
Hyperscore=51.9315
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y6++
y8++
y8++−NH3
b4
y9++−H2O
y9++
y10++
b10++−H2O
b10++
b5
b11++−H2O
b11++
y6
y7
b12++
b14++−H2O
b14++
y15++
b7
y7−H2O
y16++−NH3
y17++−NH3
y17++
y9
y18++−NH3
y18++
y10−H2O
b10
b11

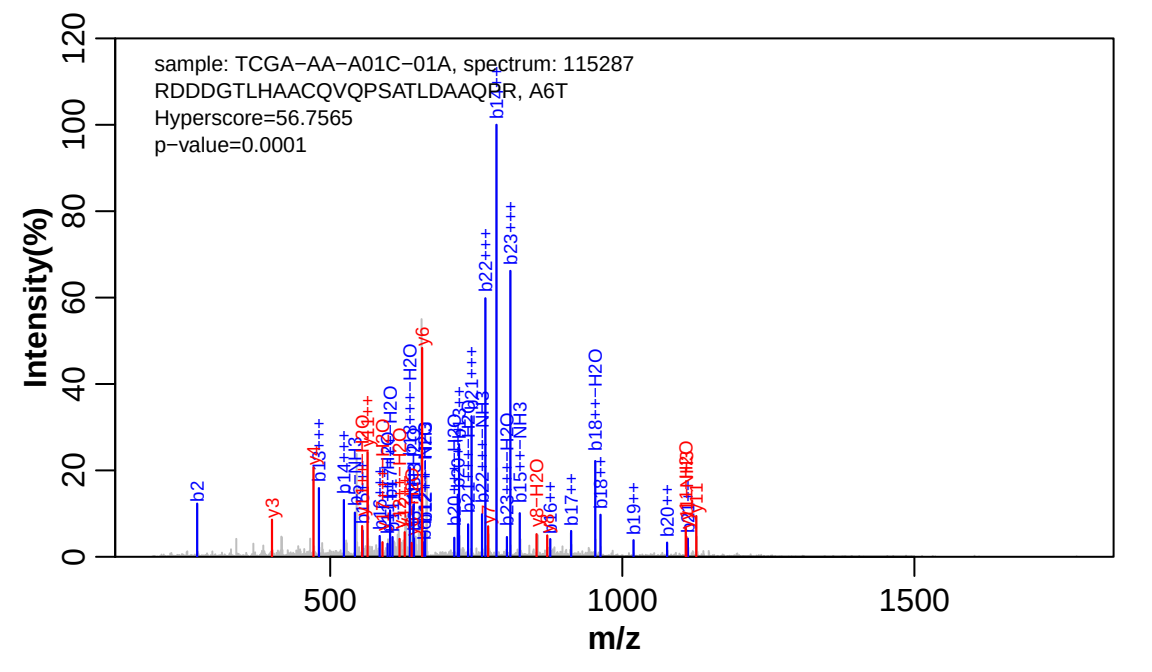

sample: TCGA−AA−A01C−01A, spectrum: 135710
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=26.9172
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y8
b12
y3
b6
y6
y7−NH2O
y7−H2O
b8
y9−H2O
y9
b10−H2O
y10
b11−NH3
b11
y12
y13
b16−NH3
b16

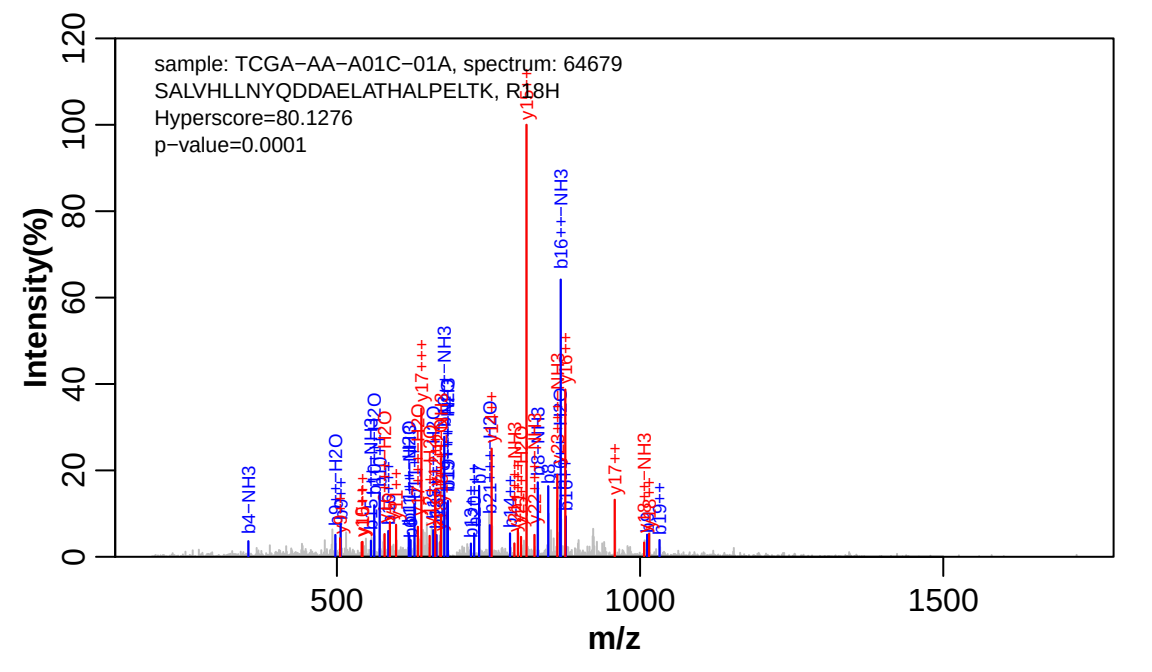

sample: TCGA−AA−A01C−01A, spectrum: 41313
NPLLDLAAYDQEGR, R3L
Hyperscore=51.0900
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4−NH3
y4−NH3
y5
y6
y7
y8
b8
y7−NH3
b9
b9−NH3
y9
y10
y10−NH3
b10
b11
y11
b12
b13

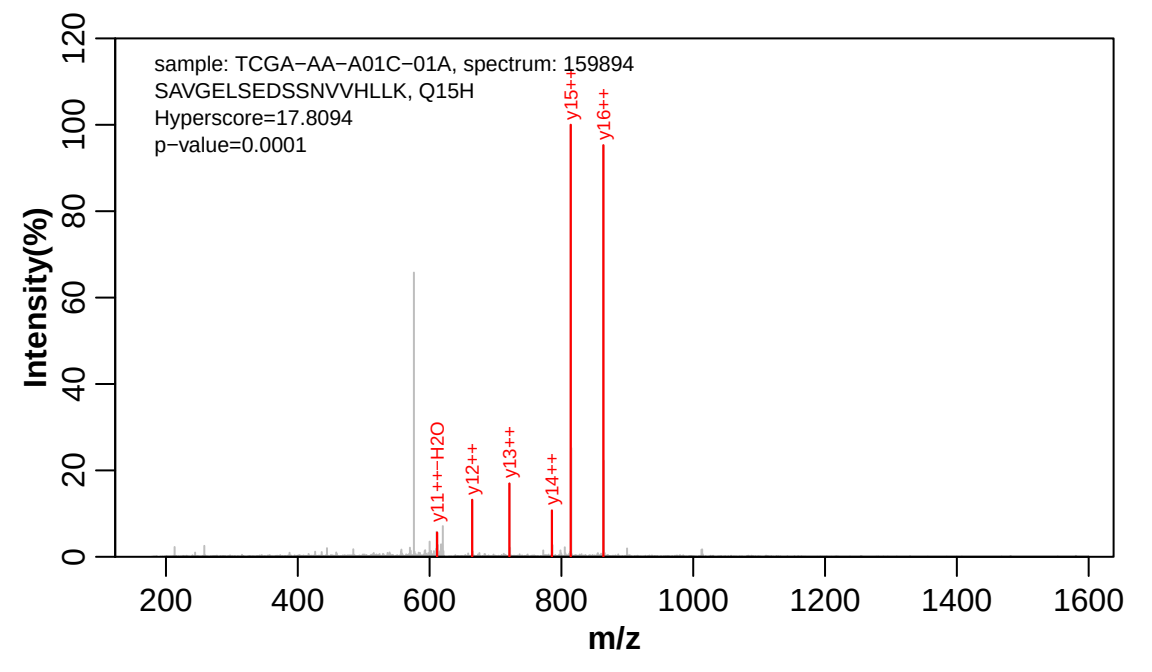

sample: TCGA−AA−A01C−01A, spectrum: 82646
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7431
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
b12
b13
b13−NH3
b13−H2O
b5
y9
b9−NH3

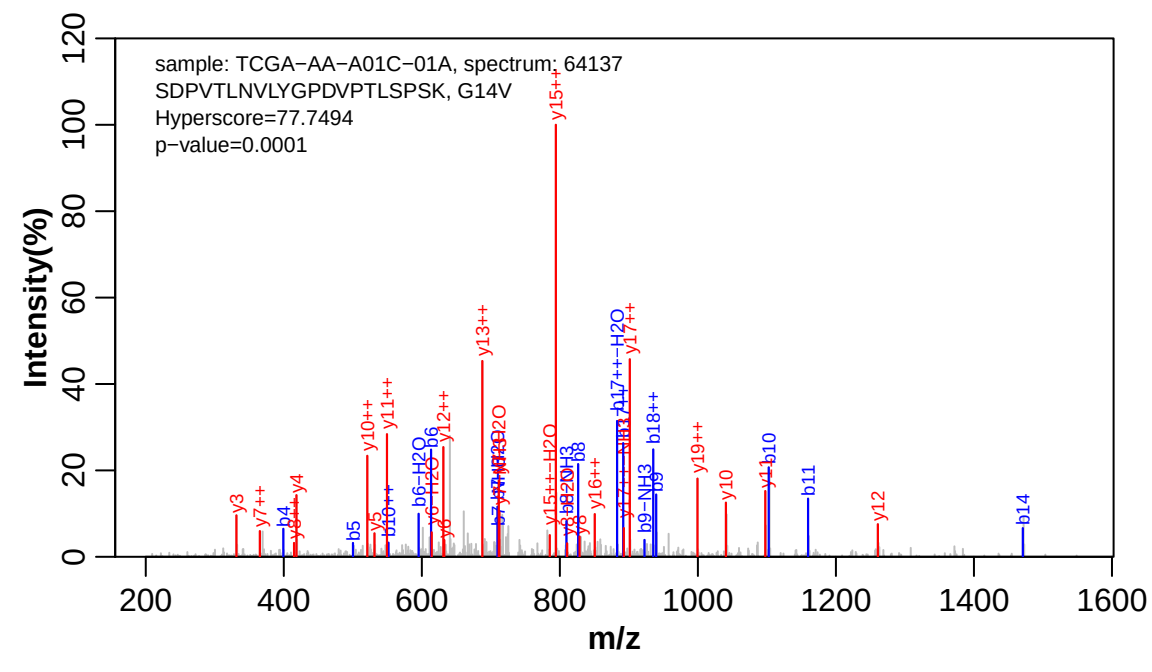

sample: TCGA−AA−A01C−01A, spectrum: 73442
NTVLATWQPYSTSK, T11S
Hyperscore=21.0975
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
y4
b5−H2O
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
b8−NH3
b8−H2O
b8
y8
y9
y10−H2O
y10
b10
b11−H2O
y11

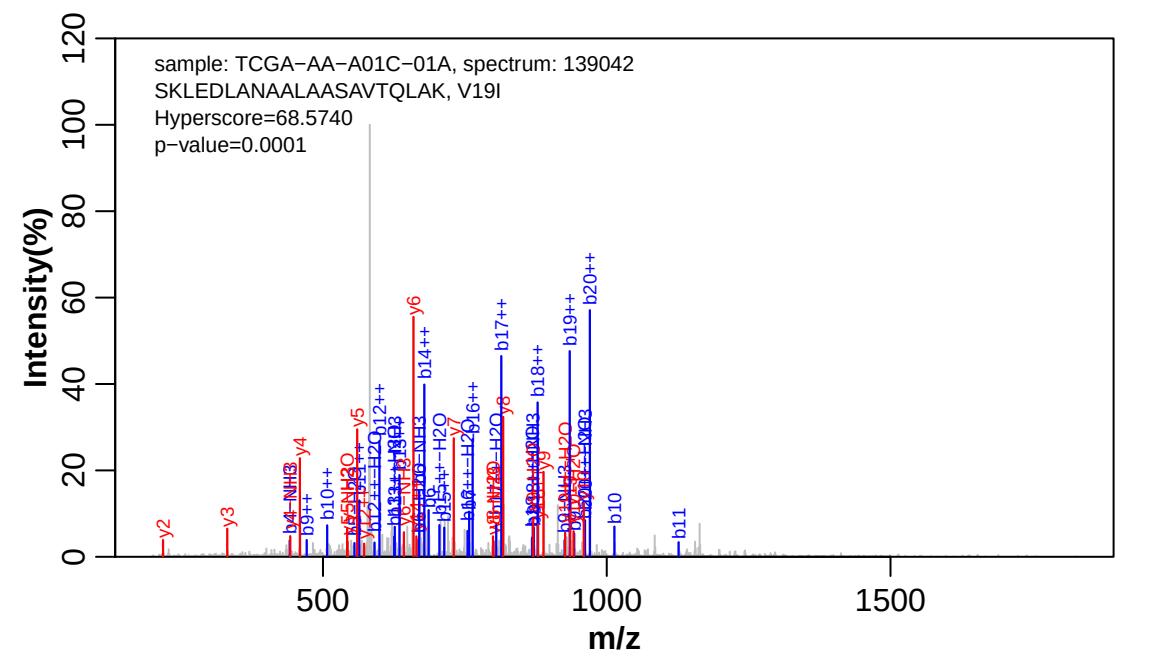

sample: TCGA−AA−A01C−01A, spectrum: 74829
QGTLTEYCSTLMSLPTK, G9S
Hyperscore=48.0093
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
b5−NH3
y5
y6
y8−NH3
y8
y9
y10
y11
y12
y13
y14
b14−H2O
b14

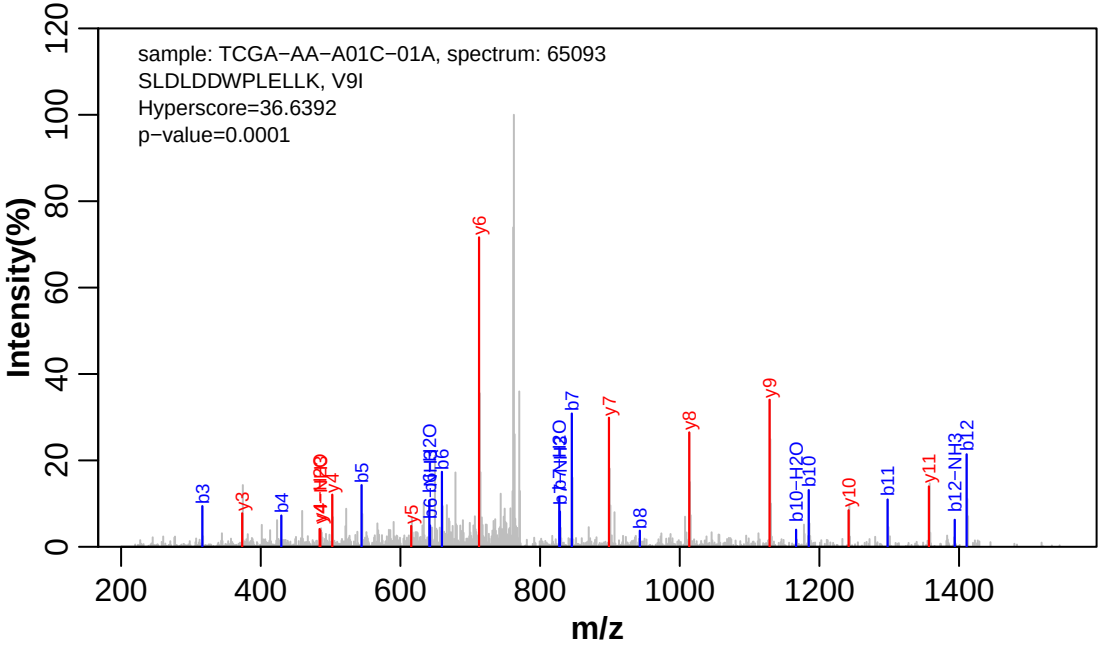

sample: TCGA−AA−A01C−01A, spectrum: 115287
RDDDGTLHAACQVQPSATLDAAQTR, A6T
Hyperscore=56.7565
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y4
b18++
b14+++
y6
b22+++
b23+++
b15++−NH3
b18++−H2O
b17++
b19++
b20++
y11

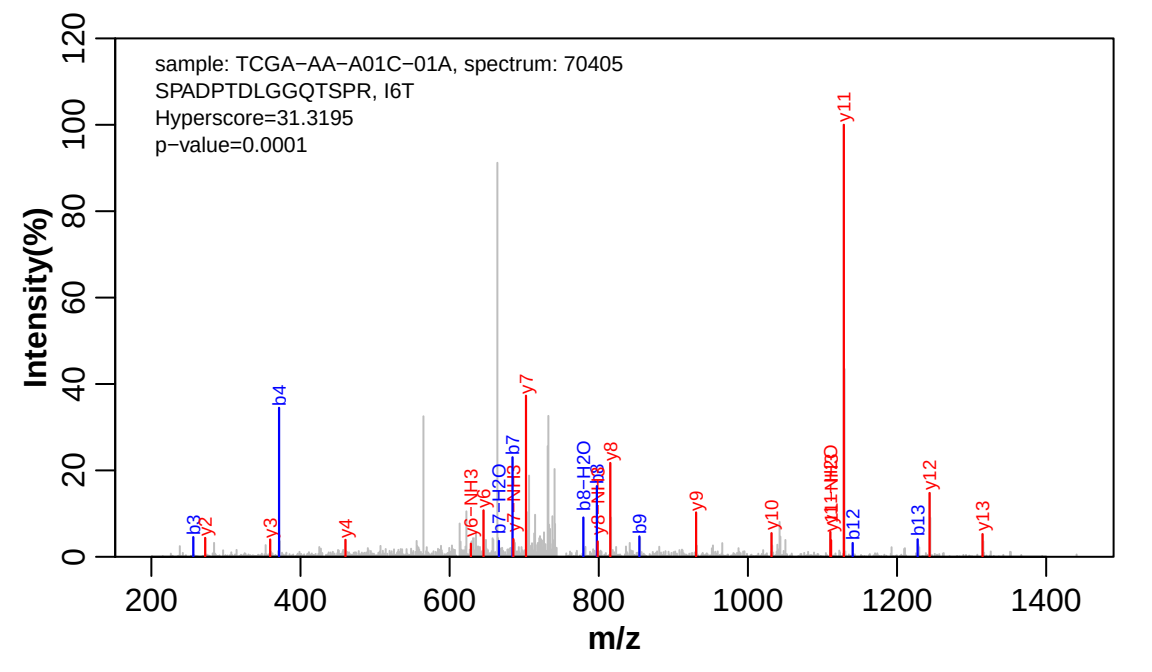

sample: TCGA−AA−A01C−01A, spectrum: 64679
SALVHLLNYQDDAELATHALPELTK, R18H
Hyperscore=80.1276
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y15++
b16++−NH3
y16++
y17++
y17+++
b4−NH3
b8++−H2O
b8++−NH3
b19++

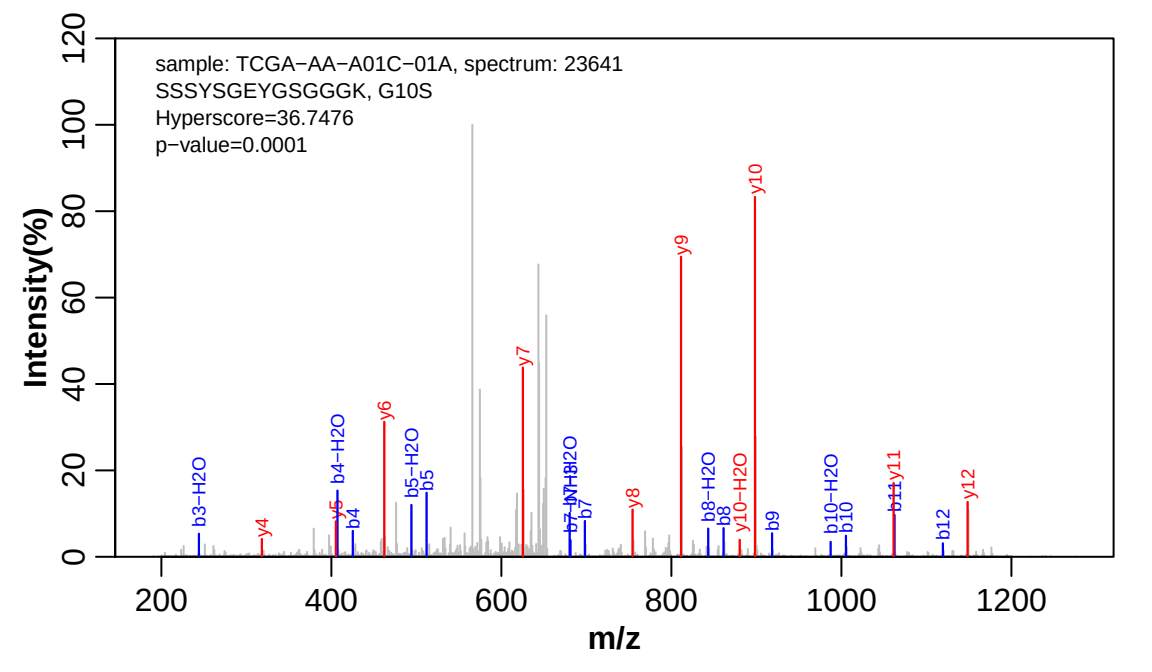

sample: TCGA−AA−A01C−01A, spectrum: 159894
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.8094
p−value=0.0001
y15++
y16++
y11++−H2O
y12++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

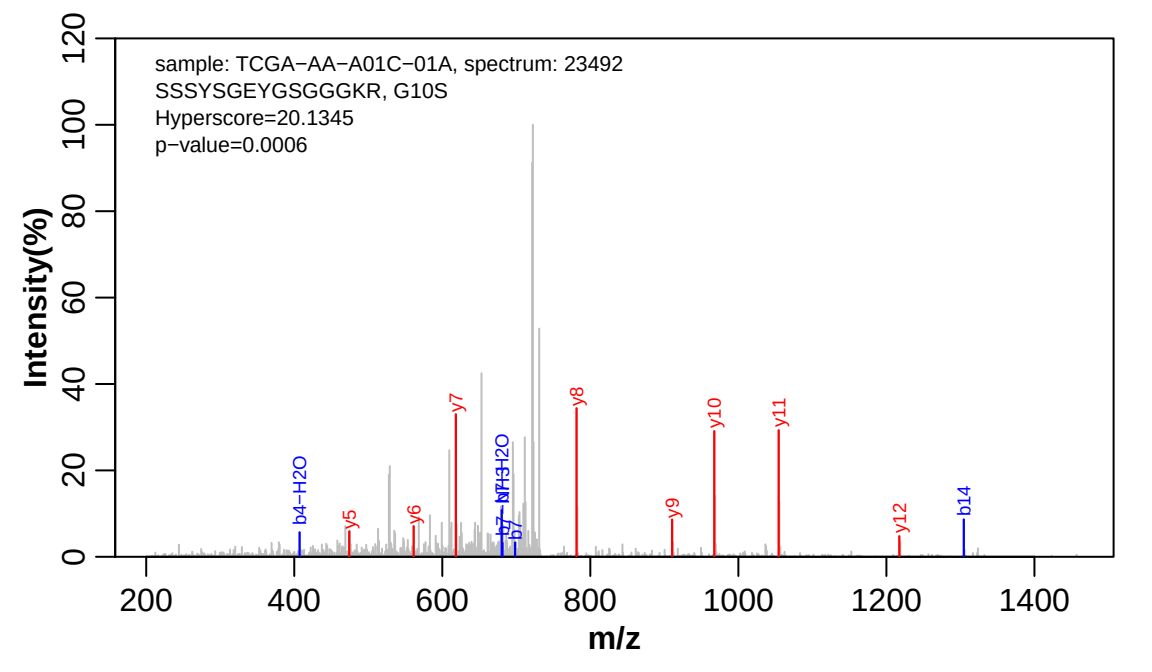

sample: TCGA−AA−A01C−01A, spectrum: 64137
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=77.7494
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y15++
y13++
y17++
y17++−H2O
y3
y7++
b4
y4
b5
y10++
y5
b10++
y11++
b6−H2O
b6
y12++
y15++−H2O
b8
y16++
b18++
y19++
y10
y11
b10
b11
y12
b14

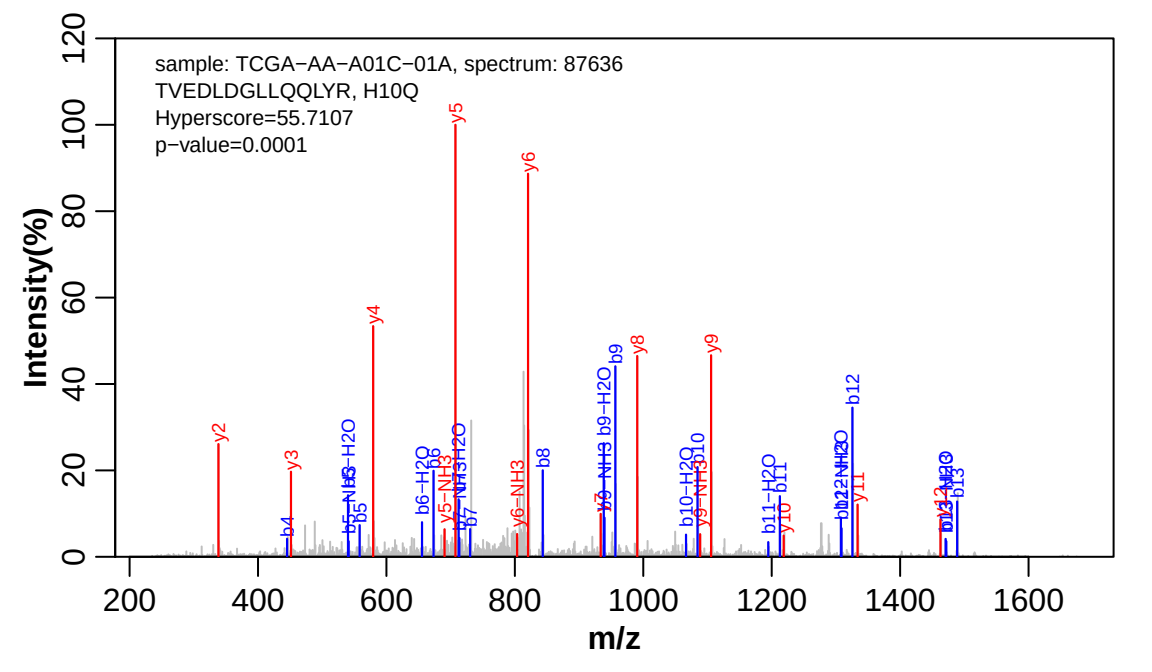

sample: TCGA−AA−A01C−01A, spectrum: 139042
SKLEDLANAALAASAVTQLAK, V19I
Hyperscore=68.5740
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
b4−NH3
y4
b9++
b10++
y5
y5−NH3
b12++−H2O
b12++
y6
b14++
y7
b15++−H2O
b16++
b17++
y8
b18++
b19++
b20++
b10
b11

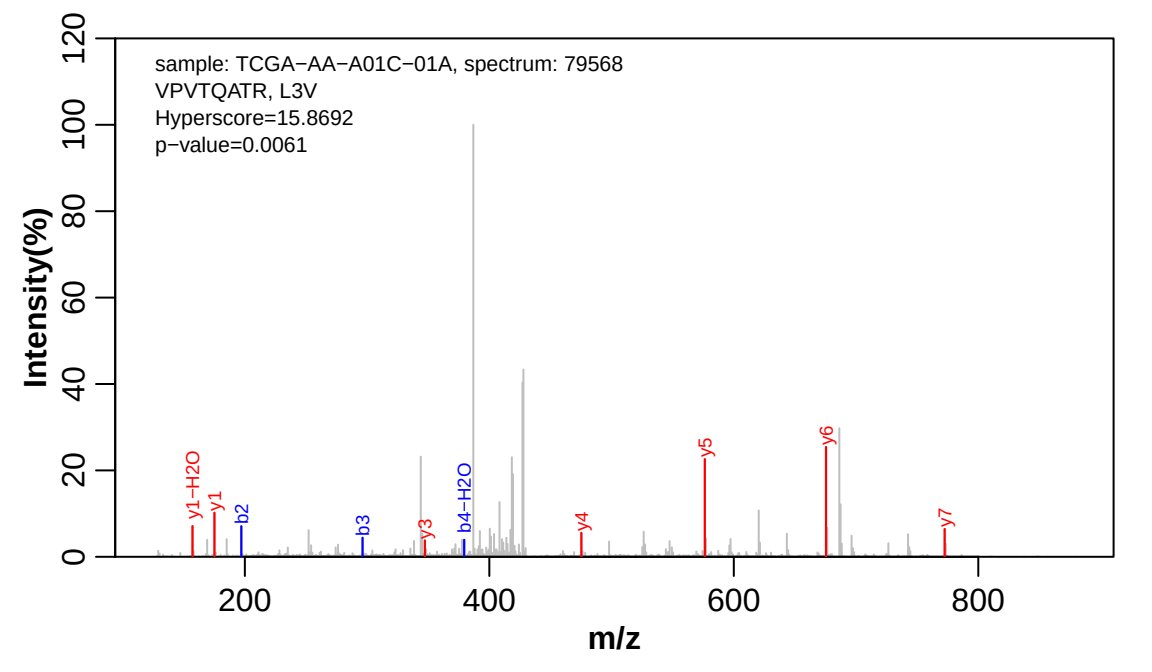

sample: TCGA−AA−A01C−01A, spectrum: 65093
SLDLDDWPLELLK, V9I
Hyperscore=36.6392
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4
y4
b5
y5
b6
y6
b7
y7
b8
y8
y9
b10
y10
b11
y11
b12

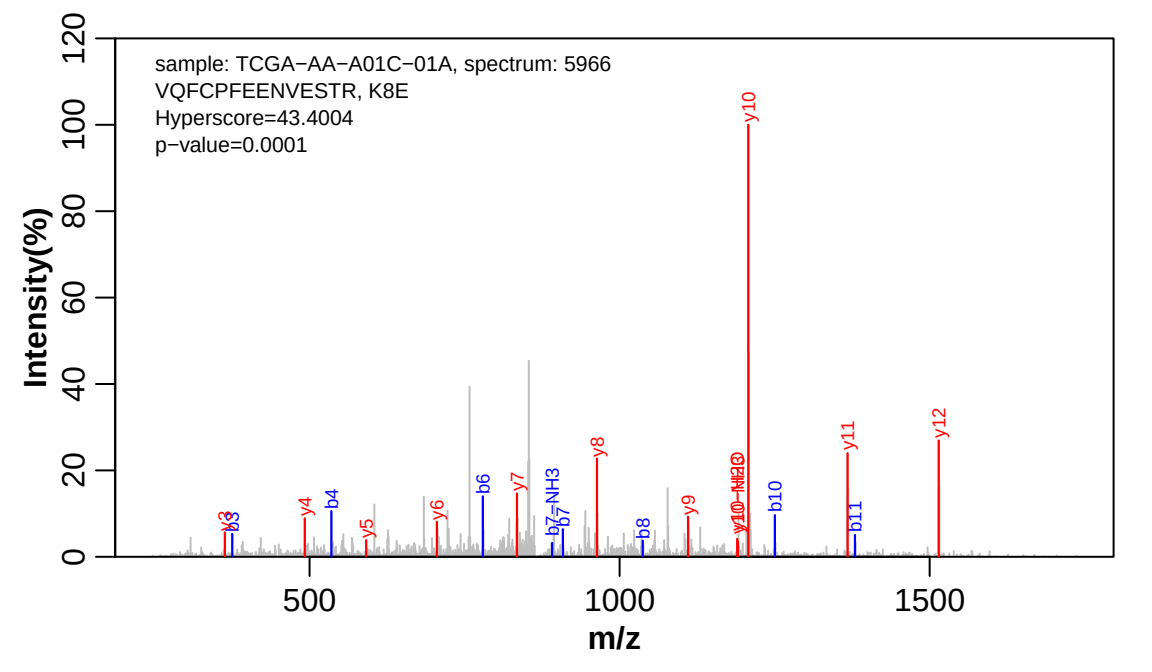

sample: TCGA−AA−A01C−01A, spectrum: 70405
SPADPTDLGGQTSPR, I6T
Hyperscore=31.3195
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
y6−NH3
y6
b7−H2O
b7−NH3
b7
y7
b8−H2O
b8−NH3
y8
y9
b9
y10
y11−NH2O
y11−H2O
y11
b12
b13
y12
y13

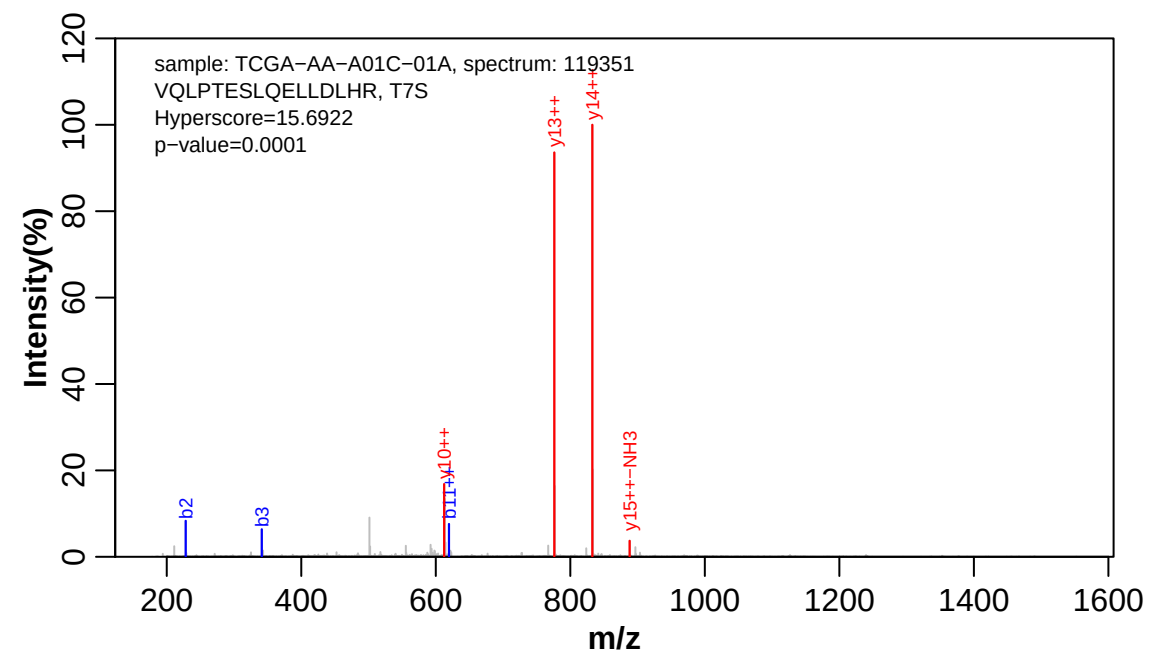

sample: TCGA−AA−A01C−01A, spectrum: 23641
SSSYSGEYGSGGGK, G10S
Hyperscore=36.7476
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
y5
b4−H2O
b4
y6
b5−H2O
b5
y7
b7−NH3
b7−H2O
b7
y8
y9
b8−H2O
b8
y10−H2O
y10
b9
b10−H2O
b10
b11
y11
b12
y12

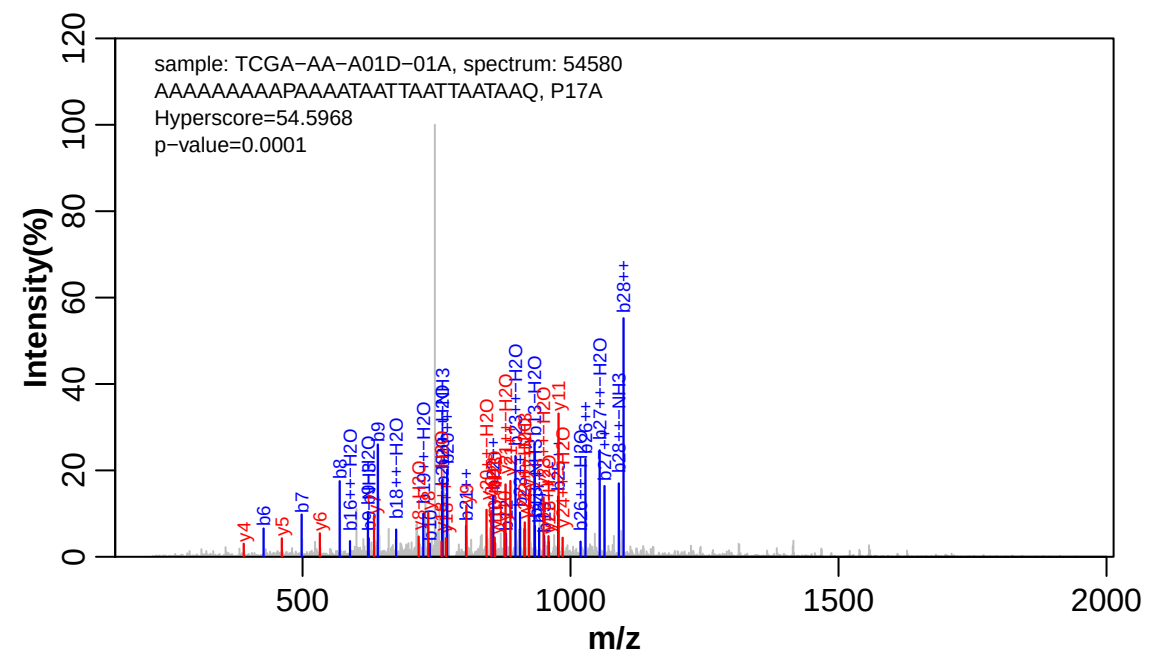

sample: TCGA−AA−A01C−01A, spectrum: 23492
SSSYSGEYGSGGGKR, G10S
Hyperscore=20.1345
p−value=0.0006
Intensity(%)
m/z
b4−H2O
y5
y6
y7
y8
y9
y10
y11
y12
b14
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

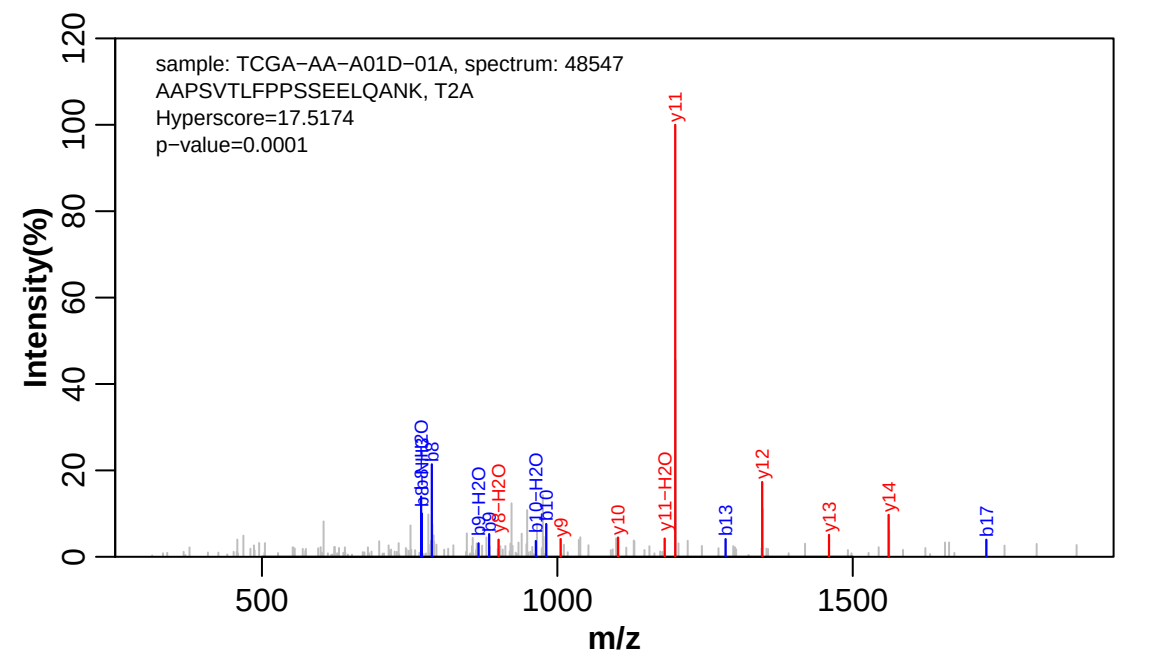

sample: TCGA−AA−A01C−01A, spectrum: 87636
TVEDLDGLLQQLYR, H10Q
Hyperscore=55.7107
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y5−NH3
b7−H2O
b7
y6−NH3
b8
y6
b9−NH3
b9−H2O
b9
y8
y9
b10−H2O
b10
y9−NH3
b11−H2O
b11
y10
b12−NH3
b12−H2O
b12
y11
b13−H2O
b13

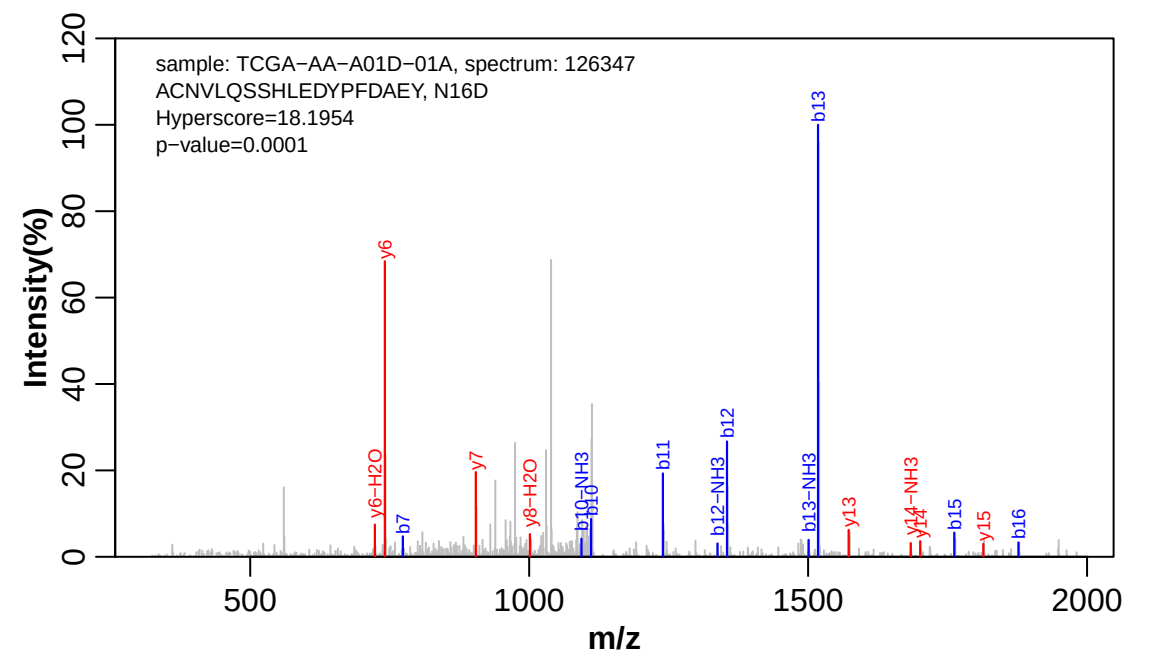

sample: TCGA−AA−A01C−01A, spectrum: 79568
VPVTQATR, L3V
Hyperscore=15.8692
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−H2O
y1
b2
b3
y3
b4−H2O
y4
y5
y6
y7

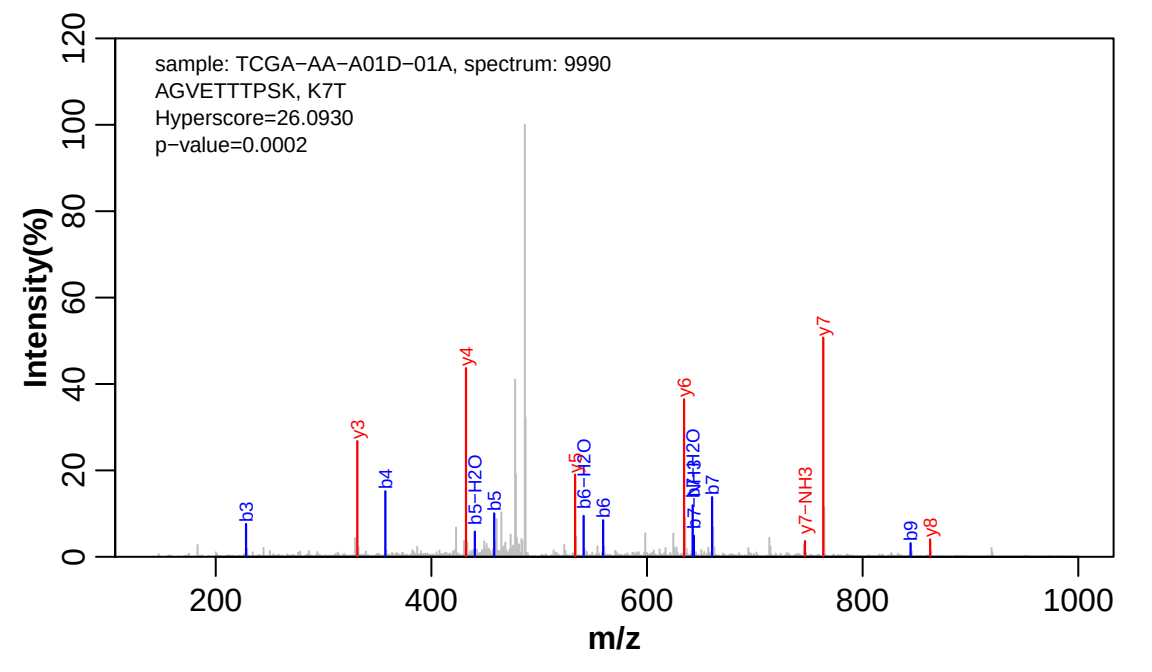

sample: TCGA−AA−A01C−01A, spectrum: 5966
VQFCPFEENVESTR, K8E
Hyperscore=43.4004
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y10
y11
y12
y8
y9
y7
y6
y5
y4
y3
b3
b4
b6
b7−NH3
b7
b8
b10
b11

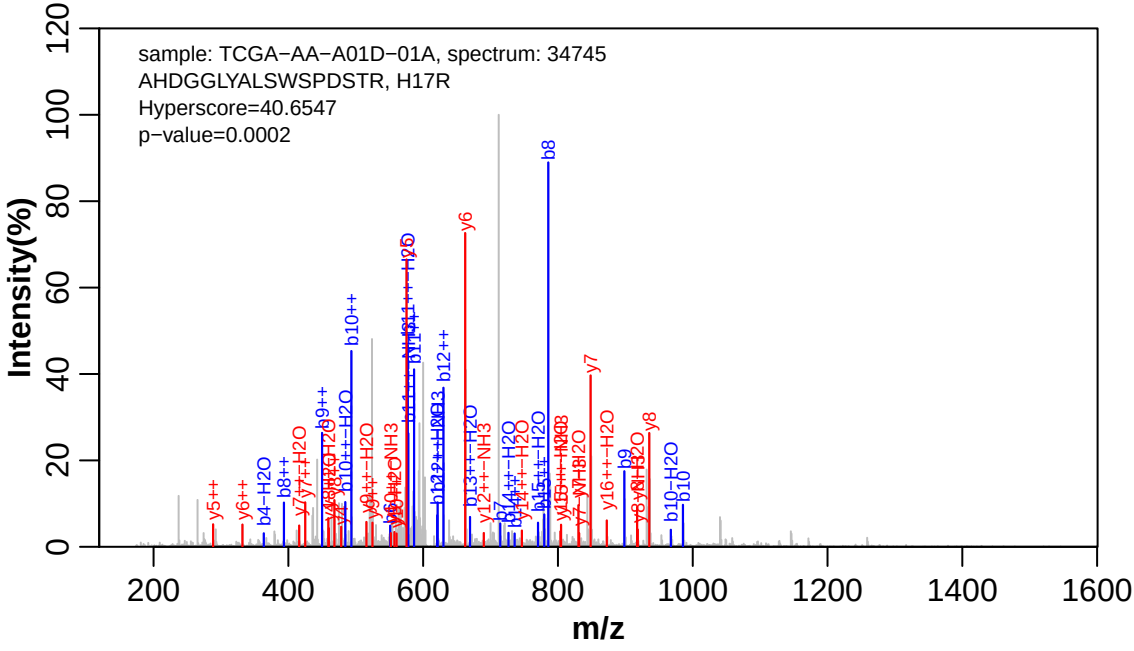

sample: TCGA−AA−A01C−01A, spectrum: 119351
VQLPTESLQELLDLHR, T7S
Hyperscore=15.6922
p−value=0.0001
y13++
y14++
y10++
b11++
b2
b3
y15++−NH3
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

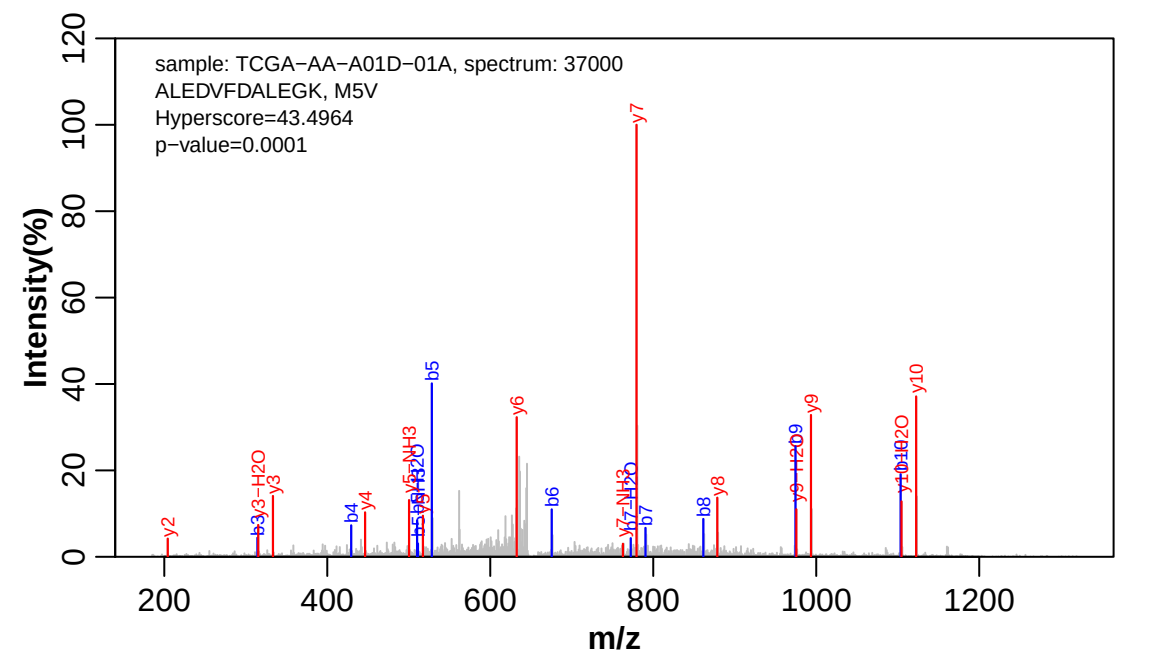

sample: TCGA−AA−A01D−01A, spectrum: 54580
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=54.5968
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
b6
y5
b7
y6
b8
b16++−H2O
b9
b18++−H2O
b28++
b27++−H2O
b27++−NH3
y11

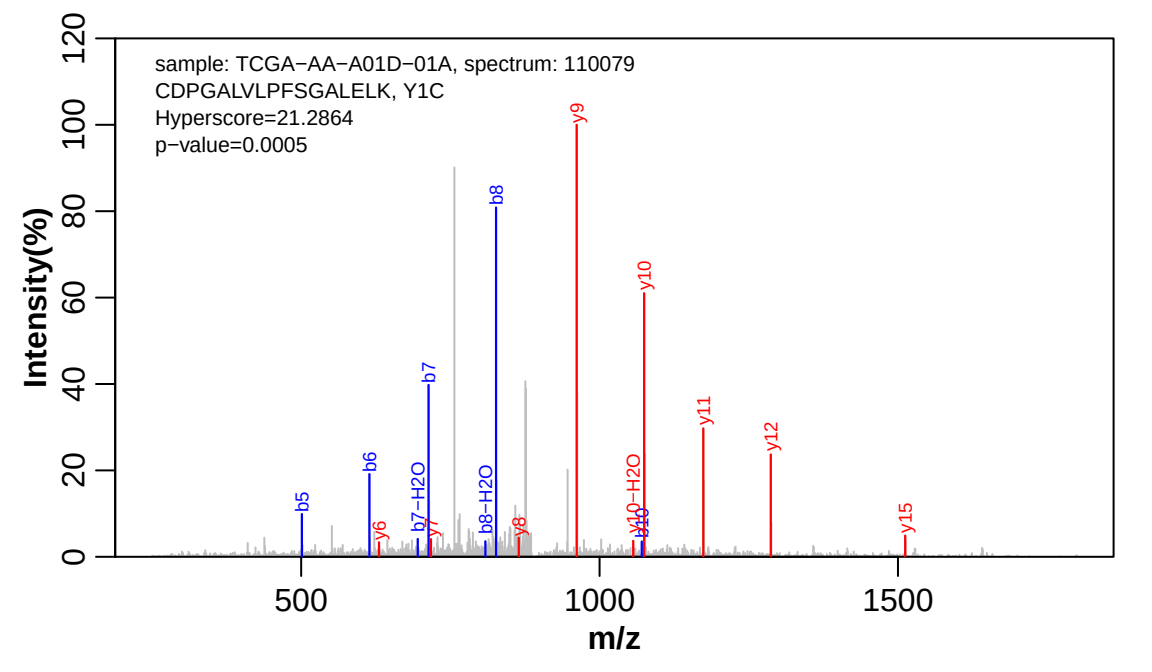

sample: TCGA−AA−A01D−01A, spectrum: 48547
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=17.5174
p−value=0.0001
Intensity(%)
m/z
y11
y11−H2O
y12
y13
y14
b17
b13
y10
y9
b10−H2O
b10
y8−H2O
b9−H2O
b8
0
20
40
60
80
100
120
500
1000
1500

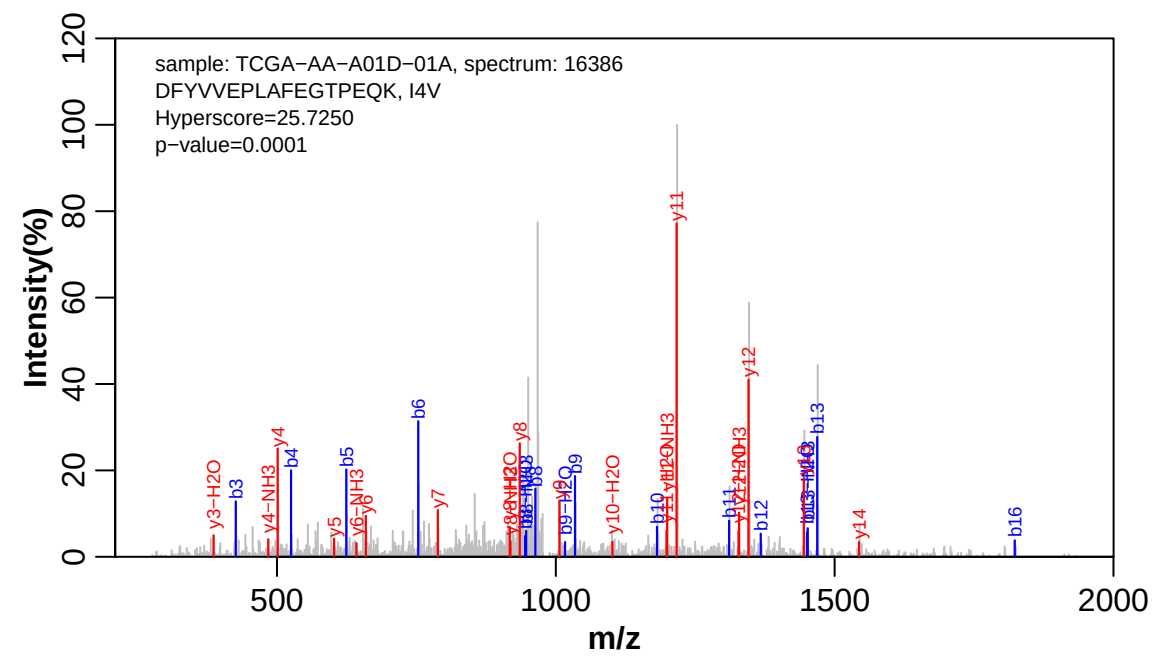

sample: TCGA−AA−A01D−01A, spectrum: 126347
ACNVLQSSHLEDYPFDAEY, N16D
Hyperscore=18.1954
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
y6
y6−H2O
b7
y7
y8−H2O
b10−NH3
b10
b11
b12
b12−NH3
b13
b13−NH3
y13
y14−NH3
y14
b15
y15
b16

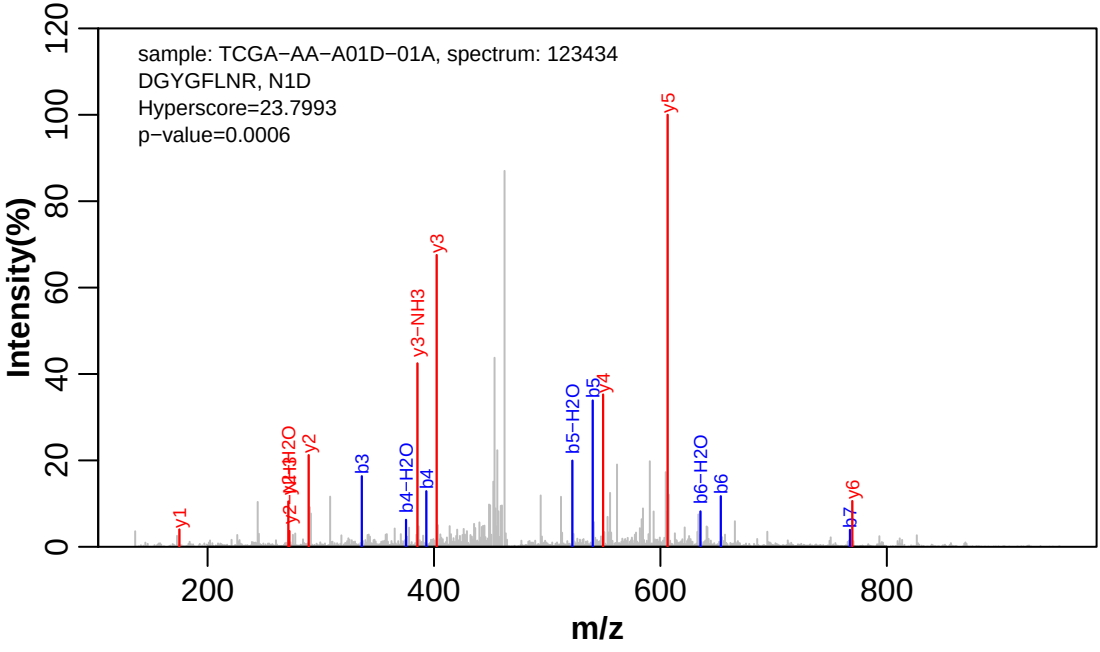

sample: TCGA−AA−A01D−01A, spectrum: 9990
AGVETTTPSK, K7T
Hyperscore=26.0930
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
y7−NH3
b9
y8

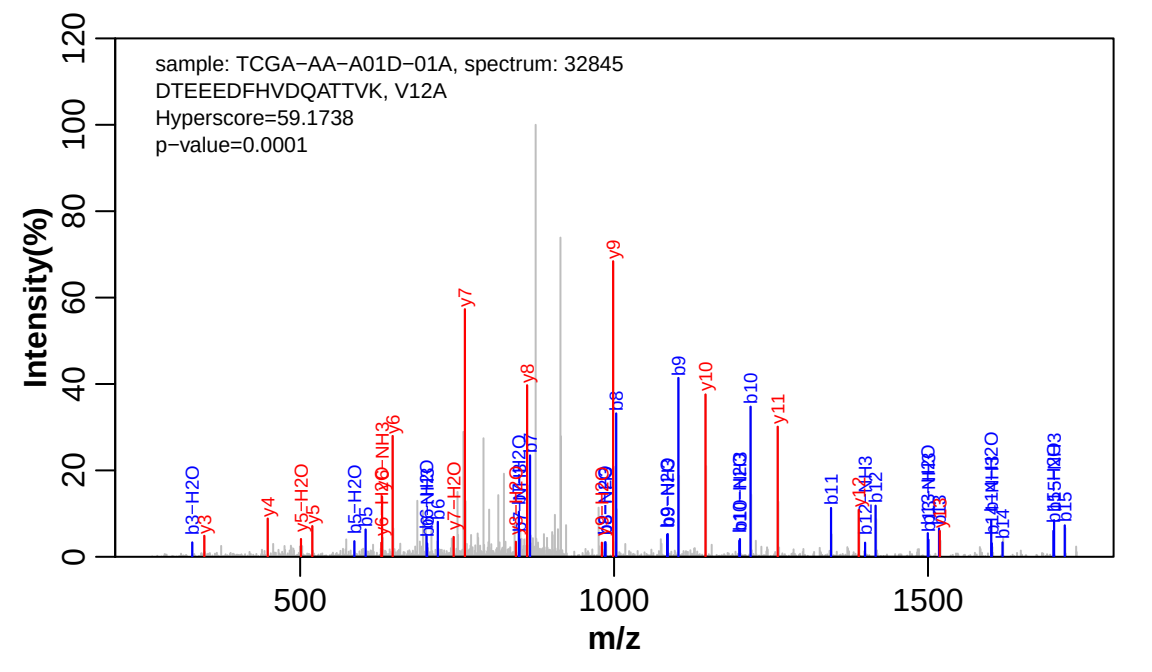

sample: TCGA−AA−A01D−01A, spectrum: 34745
AHDGGLYALSWSPDSTR, H17R
Hyperscore=40.6547
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b8
y6
b10++
b12++
y7
y5++
y6++
b4−H2O
b8++
y7++−H2O
b9++
b10++−H2O
y9++−H2O
y12++−NH3
b13++−H2O
b7
y14++−H2O
b15++−H2O
y16++−H2O
b9
y8
b10−H2O
b10

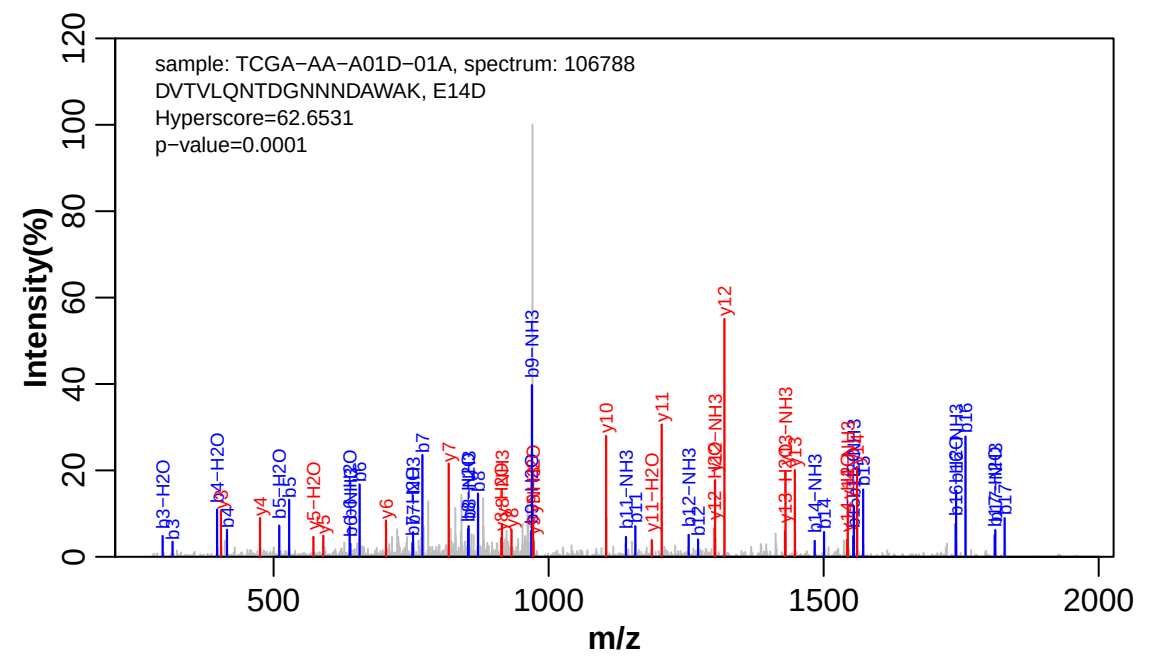

sample: TCGA−AA−A01D−01A, spectrum: 37000
ALEDVFDALEGK, M5V
Hyperscore=43.4964
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4
y4
y5−NH3
b5
y6
b6
y7−NH3
y7−H2O
b7
b8
y8
y9−H2O
y9
y10−H2O
y10
y7

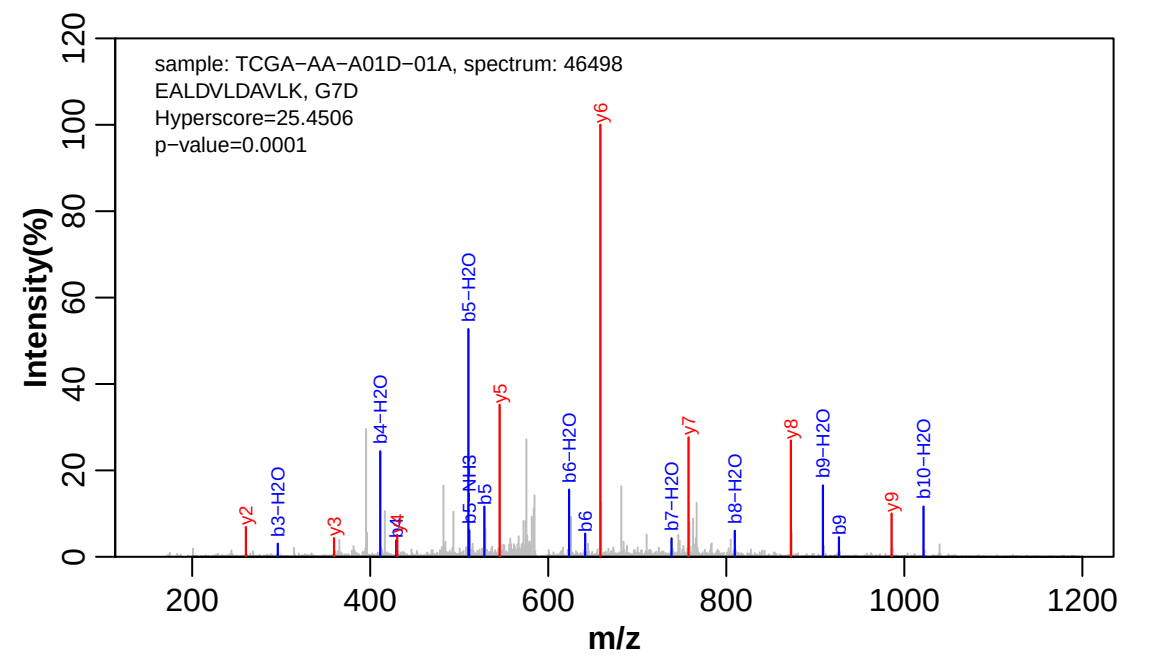

sample: TCGA−AA−A01D−01A, spectrum: 110079
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.2864
p−value=0.0005
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6
y6
b7−H2O
b7
y7
b8−H2O
b8
y8
y9
y10−H2O
y10
y11
y12
y15

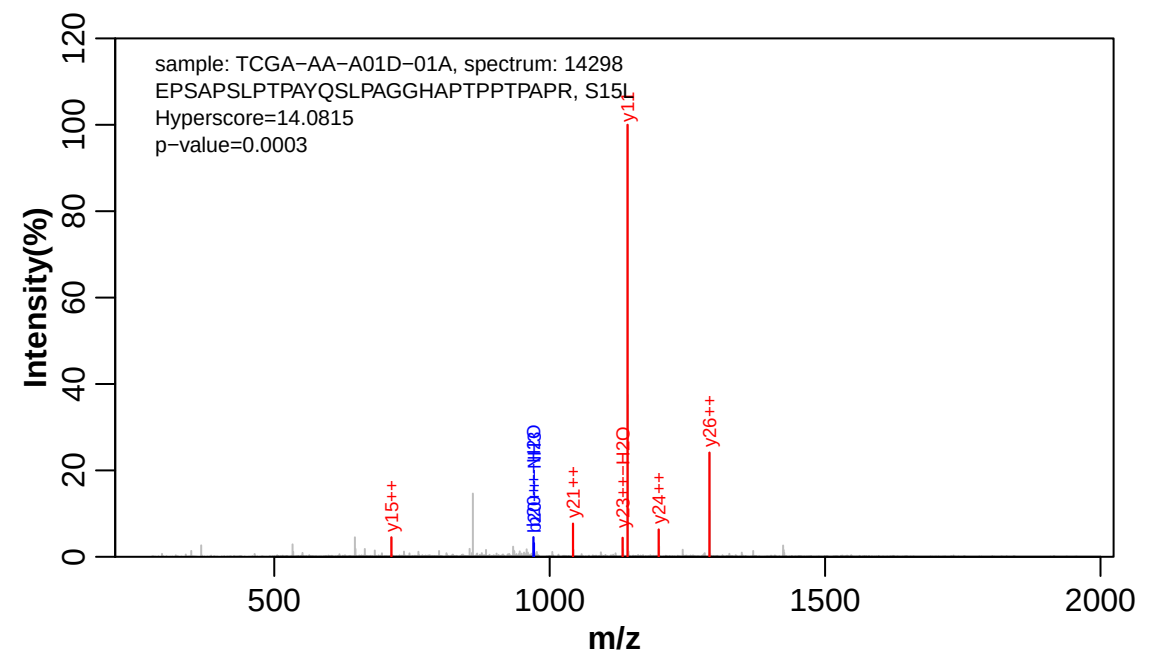

sample: TCGA−AA−A01D−01A, spectrum: 16386
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=25.7250
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3−H2O
b3
y4−NH3
y4
b4
y5
b5
y6−NH3
y6
y7
b6
y8
b8
b9−H2O
b9
y10−H2O
y11
b10
b11
y12
b12
b13
y14
b16

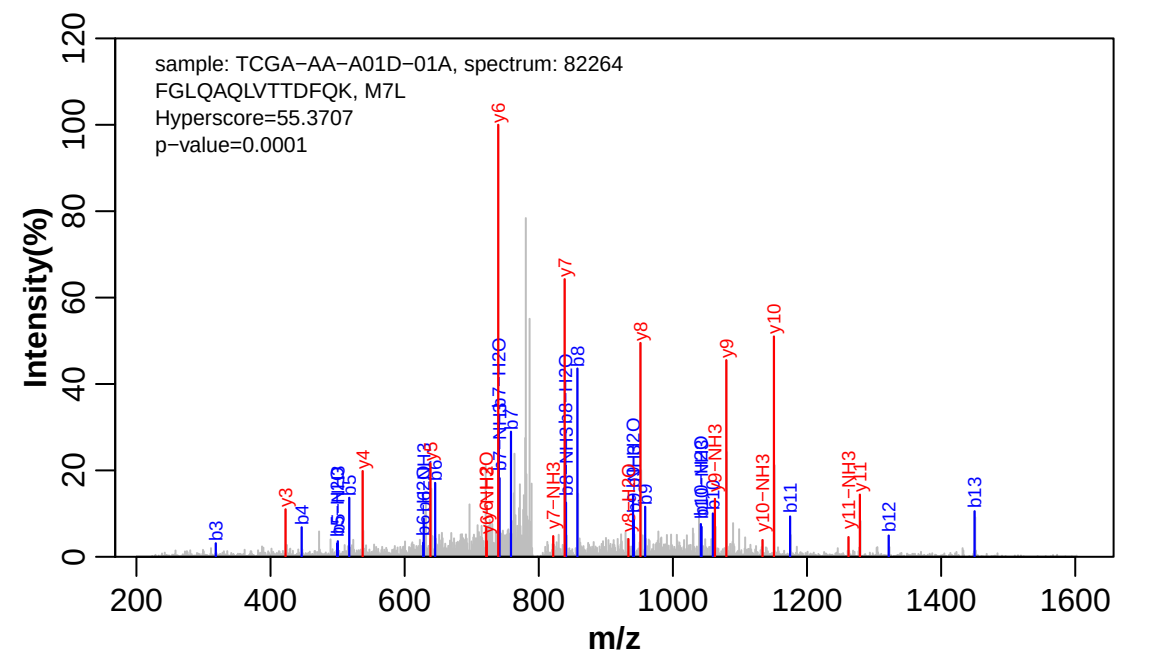

sample: TCGA−AA−A01D−01A, spectrum: 123434
DGYGFLNR, N1D
Hyperscore=23.7993
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3
b4−H2O
b4
y3−NH3
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7−y6

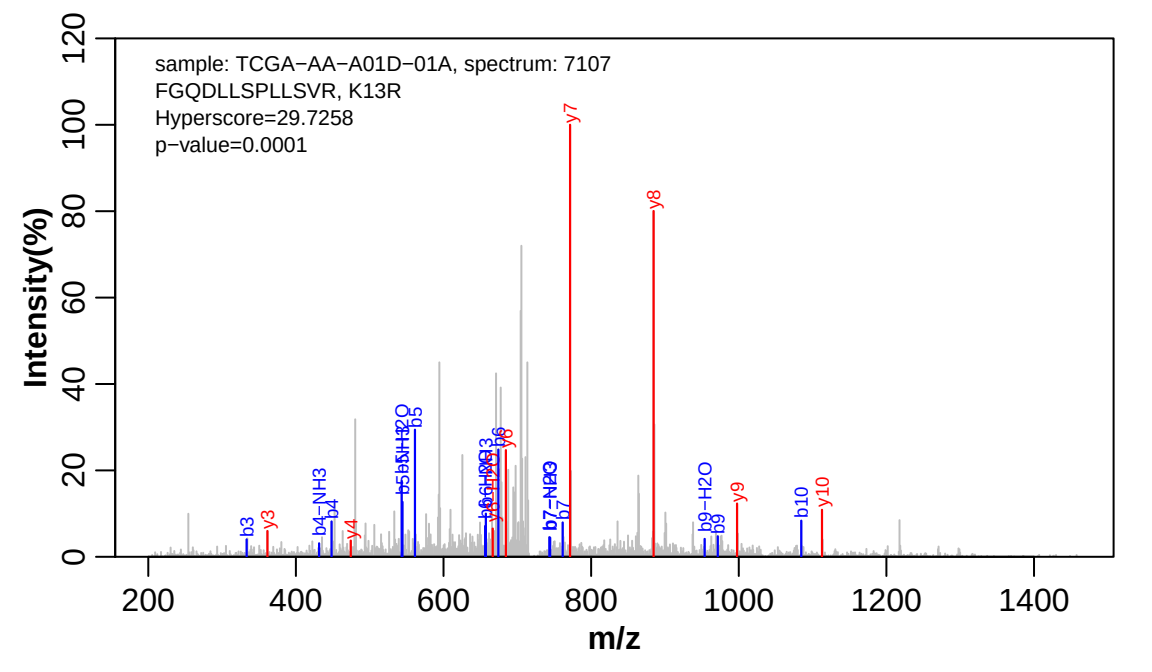

sample: TCGA−AA−A01D−01A, spectrum: 32845
DTEEEDFHVDQATTVK, V12A
Hyperscore=59.1738
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y3
y4
y5−H2O
y5
b5−H2O
b5
y6−H2O
y6−NH3
y6
b6−NH3
b6−H2O
b6
y7−H2O
y7
b7−NH3
b7−H2O
b7
y8
b8
y9
b9
y10
b9−NH3
b10
b10−NH3
y11
b11
y12
y12−NH3
b12
y13
b13−NH3
b13−H2O
b14
b14−NH3−H2O
b15−H2O−NH3
b15

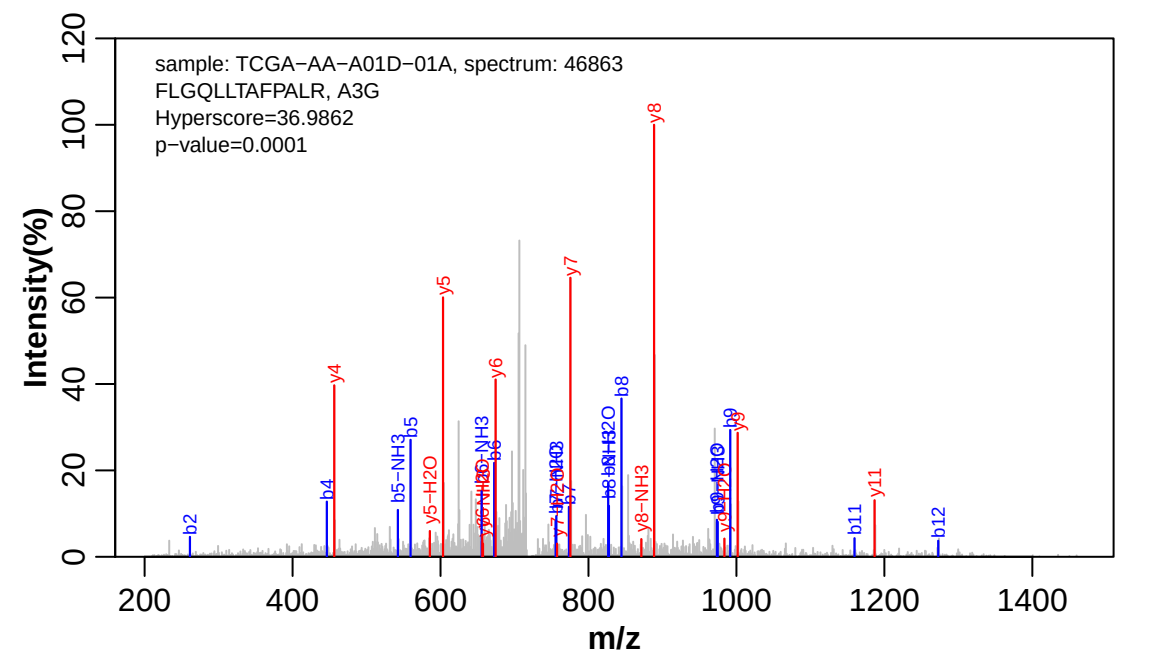

sample: TCGA−AA−A01D−01A, spectrum: 106788
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=62.6531
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9−NH3
y12
y10
y11
y12−NH3
b3−H2O
b4−H2O
b5−H2O
y5−H2O
y4
y6
b7
y7
b11−NH3
y11−H2O
b12−NH3
y13−NH3
b14−NH3

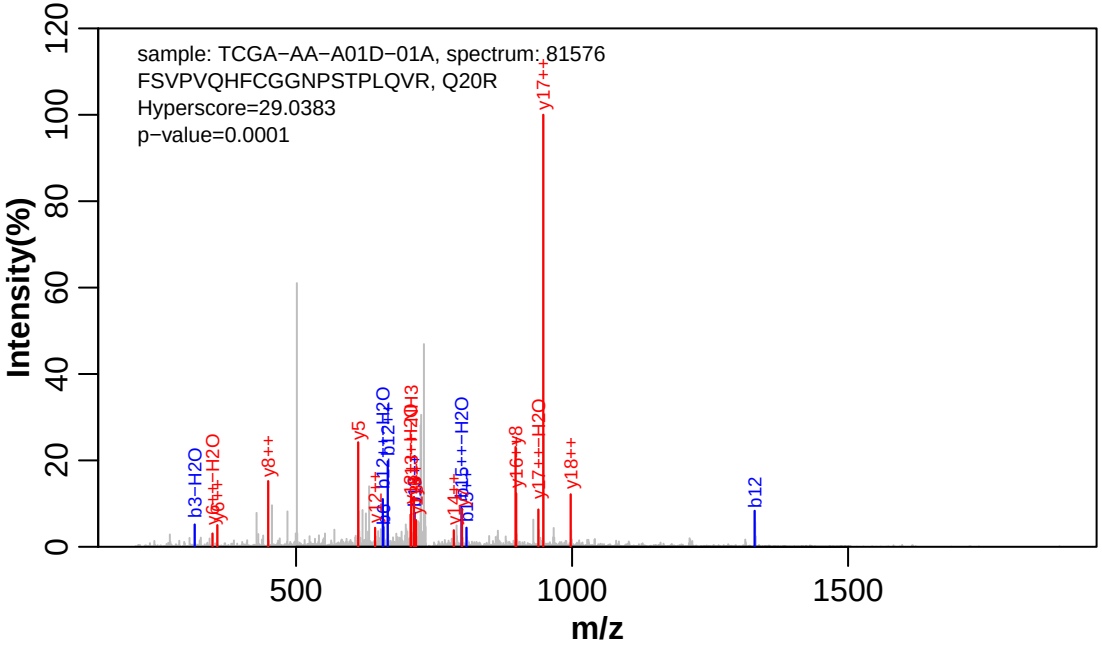

sample: TCGA−AA−A01D−01A, spectrum: 46498
EALDVLDAVLK, G7D
Hyperscore=25.4506
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
y4
b5−NH3
b5
b5−H2O
y5
b6−H2O
b6
y6
b7−H2O
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O

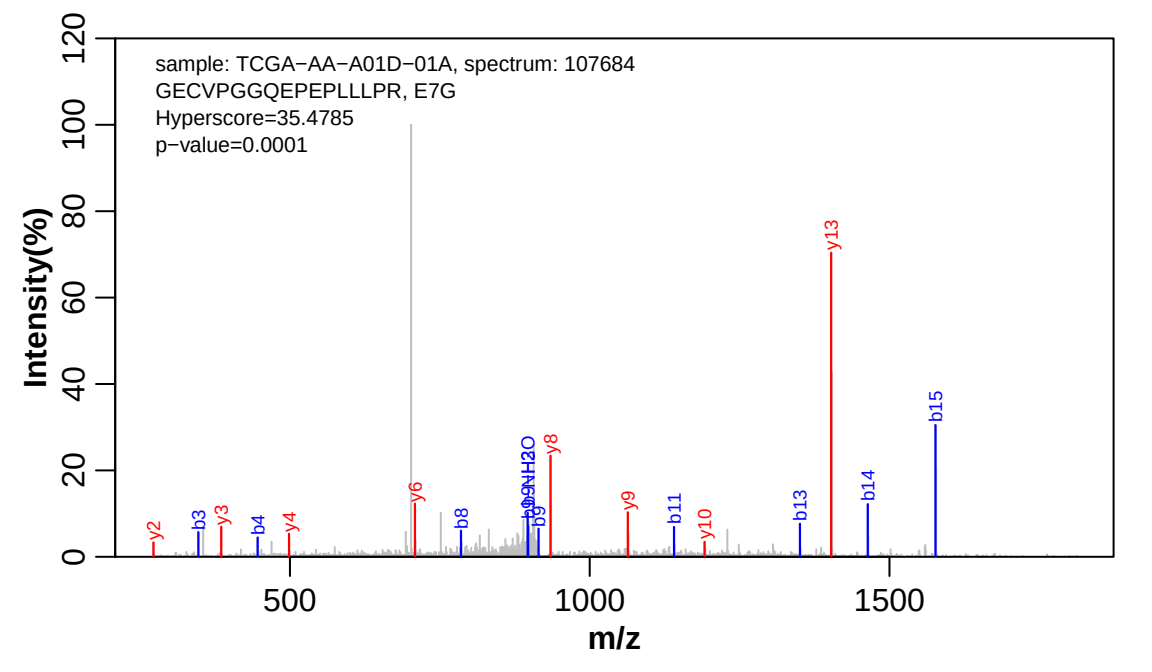

sample: TCGA−AA−A01D−01A, spectrum: 14298
EPSAPSLPTPAYQSLPAGGHAPTPPTPAPR, S15L
Hyperscore=14.0815
p−value=0.0003
Intensity(%)
m/z
y15++
y21++
y23++−H2O
y24++
y26++

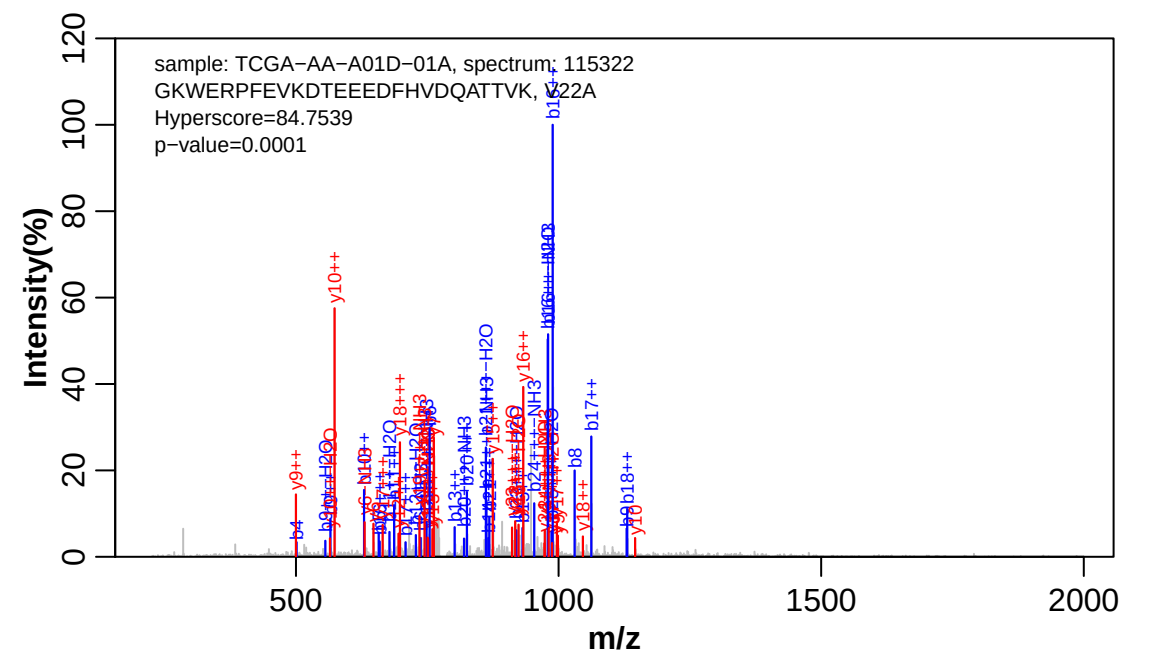

sample: TCGA−AA−A01D−01A, spectrum: 82264
FGLQAQLVTTDFQK, M7L
Hyperscore=55.3707
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y8
y9
y10
y4
y3
b3
b4
b5
b8
b7
b9
b11
b12
b13
y7−NH3
y10−NH3
y11−NH3
y11
y6−NH3−H2O
y7−NH3−H2O
b8−NH3−H2O
b7−NH3−H2O
y8−H2O
y9−NH3
b10−NH3
b11−NH3
b6−H2O−NH3
b6−NH3
b5−NH3

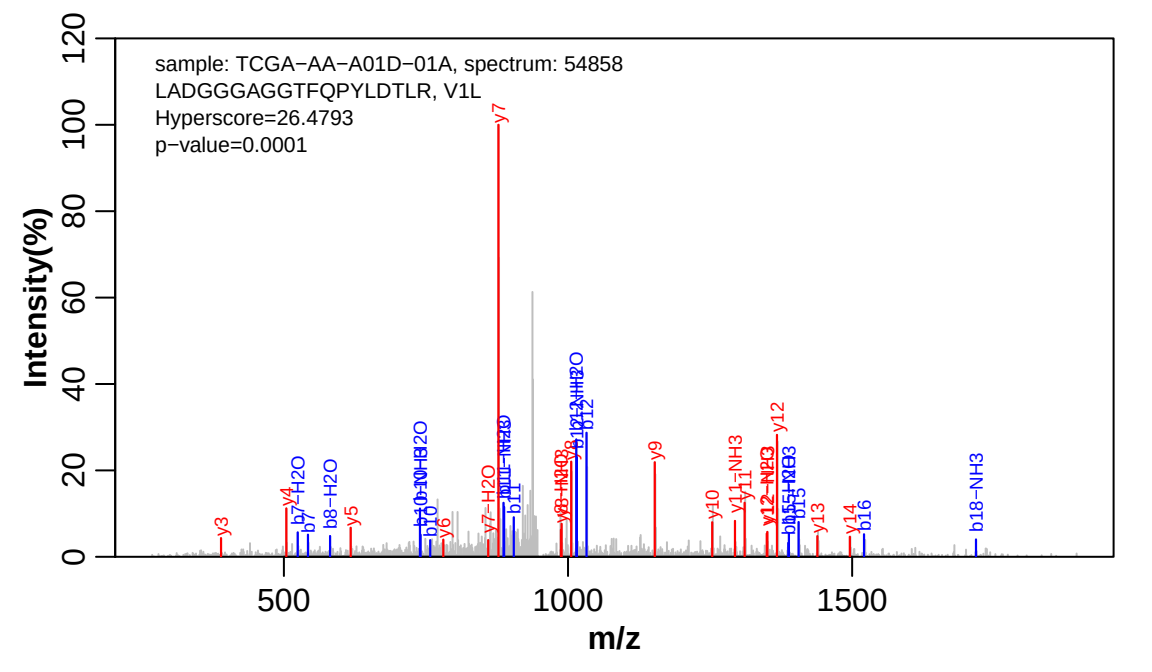

sample: TCGA−AA−A01D−01A, spectrum: 7107
FGQDLLSPLLSVR, K13R
Hyperscore=29.7258
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−NH3
b4
y4
b5
y7
y8
b6
b7−NH3
b7
y6
b9−H2O
b9
y9
b10
y10

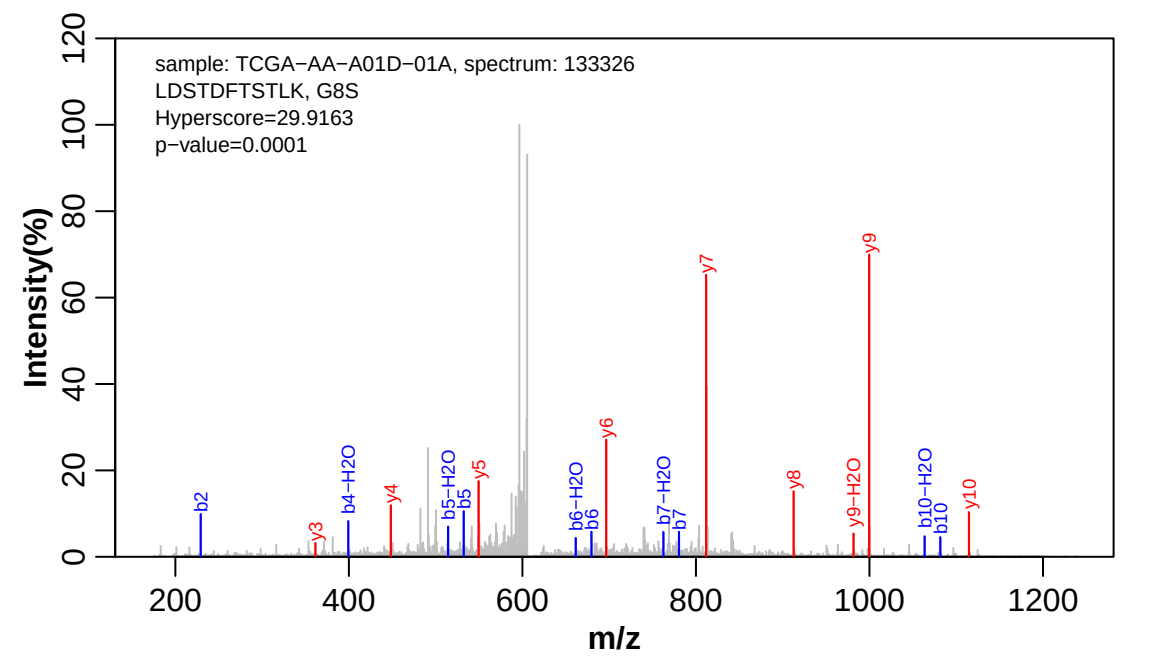

sample: TCGA−AA−A01D−01A, spectrum: 46863
FLGQLLTAFPALR, A3G
Hyperscore=36.9862
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y4
b4
b5
b5−NH3
y5
y5−H2O
y6
b8
y7
b8
b8−H2O
y8
y8−NH3
y9
b11
y11
b12

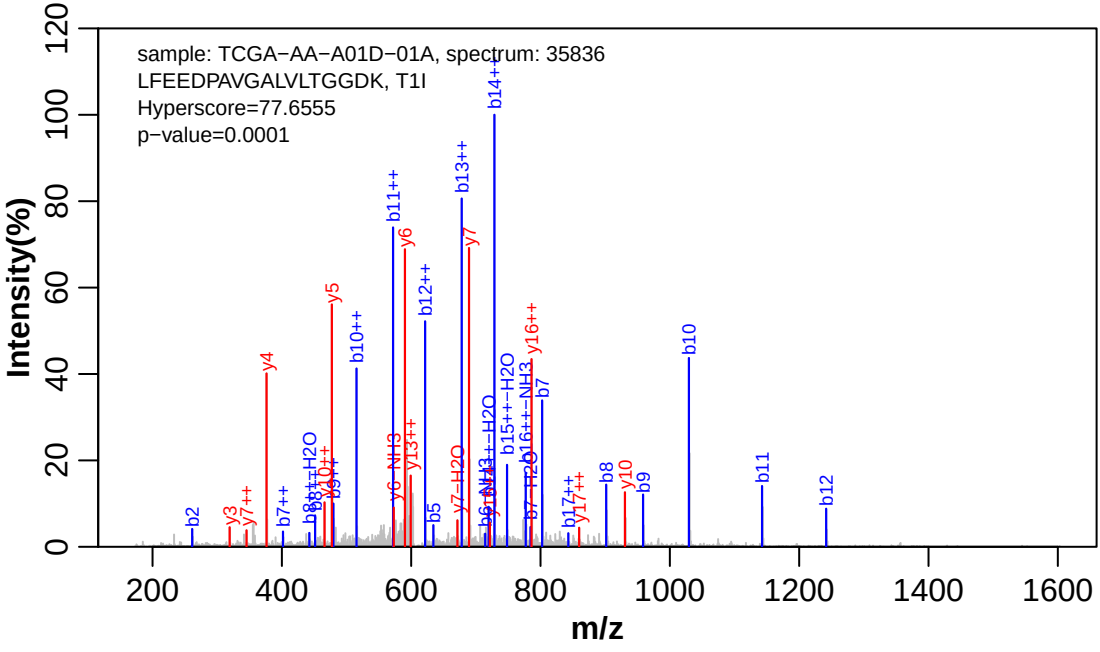

sample: TCGA−AA−A01D−01A, spectrum: 81576
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=29.0383
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
y8++−H2O
y8++
y5
b12−H2O
b12
y17++
y17++−H2O
y16−y8
y18++
b12

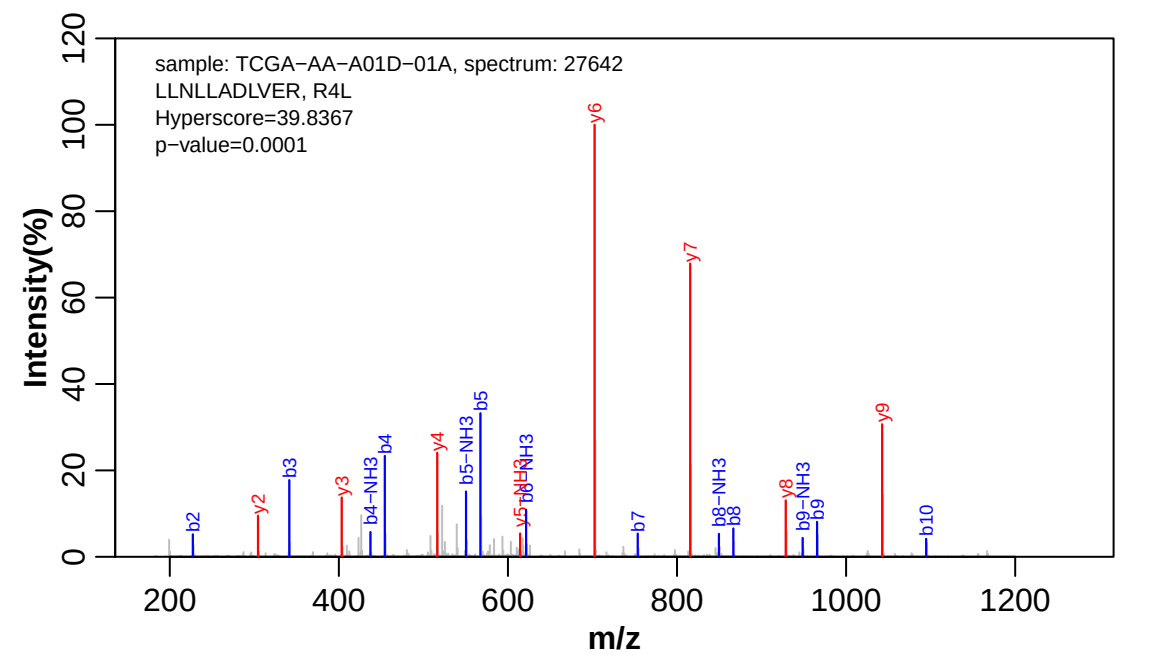

sample: TCGA−AA−A01D−01A, spectrum: 107684
GECVPGGQEPEPLLLPR, E7G
Hyperscore=35.4785
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
b3
y3
b4
y4
y6
b8
b9-NH2-H2O
b9
y8
y9
b11
y10
b13
y13
b14
b15

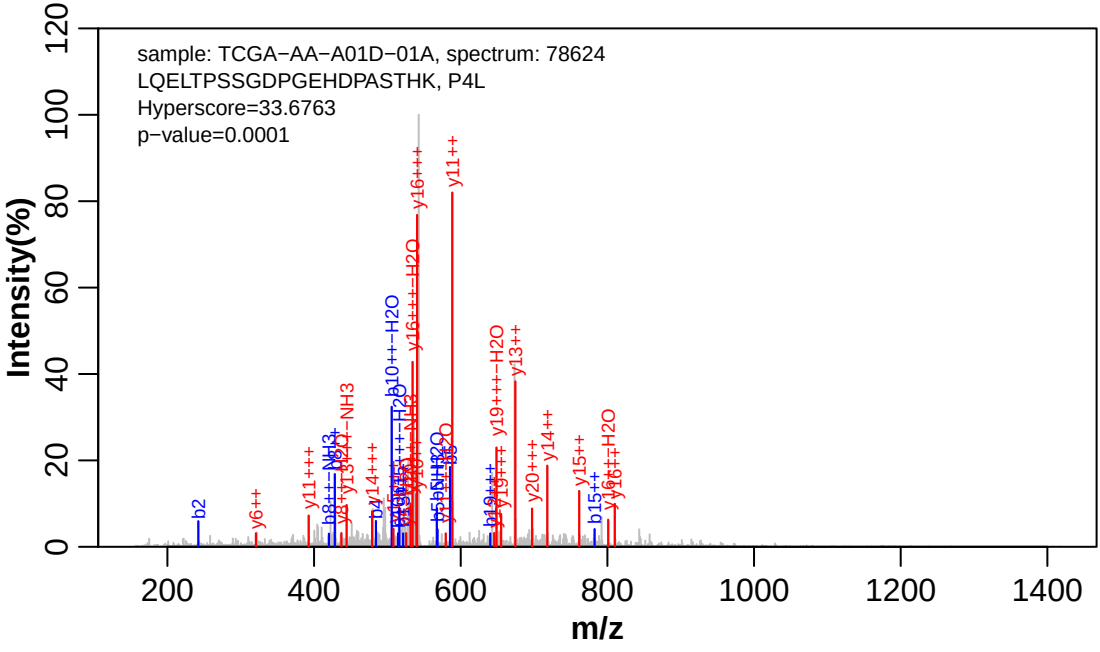

sample: TCGA−AA−A01D−01A, spectrum: 115322
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=84.7539
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
b16++
y10++
y9++
b17++
b18++
y18++
y16++
b8
y18++
y10

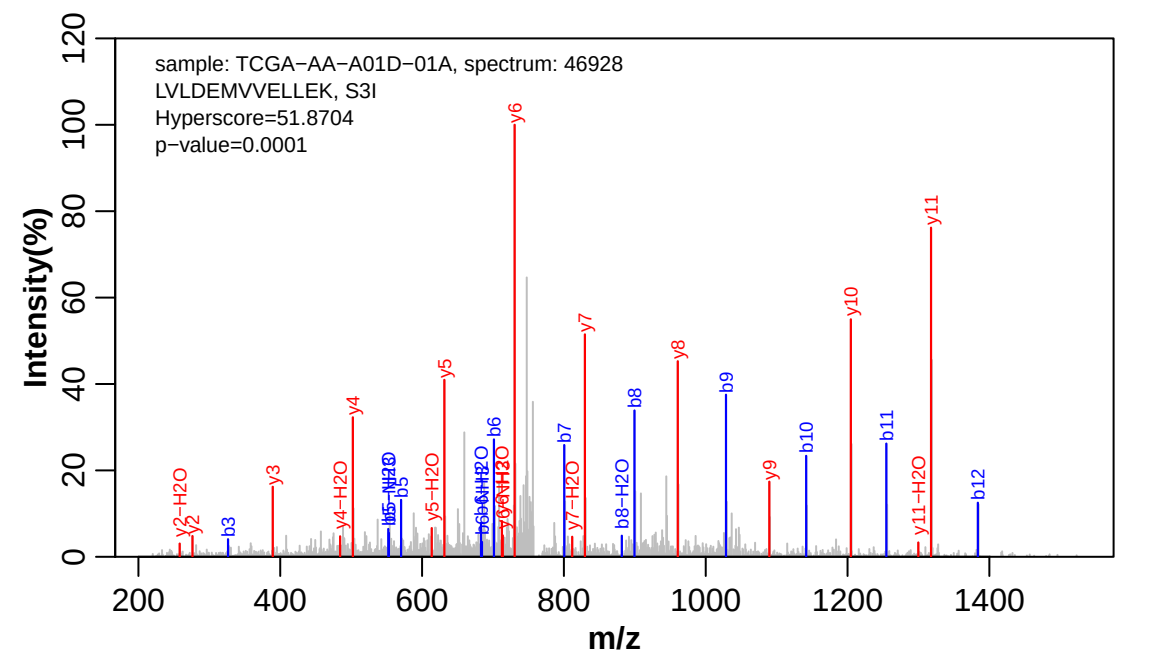

sample: TCGA−AA−A01D−01A, spectrum: 54858
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=26.4793
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
b7−H2O
b7
b8−H2O
y5
b10−H2O
b10
y6
y7−H2O
y7
b11−NH3
b11
y8−H2O
y8
b12−NH3
b12−H2O
b12
y9
y10
y11−NH3
y11
y12−NH3
y12
b15−H2O
b15
y13
y14
b16
b18−NH3

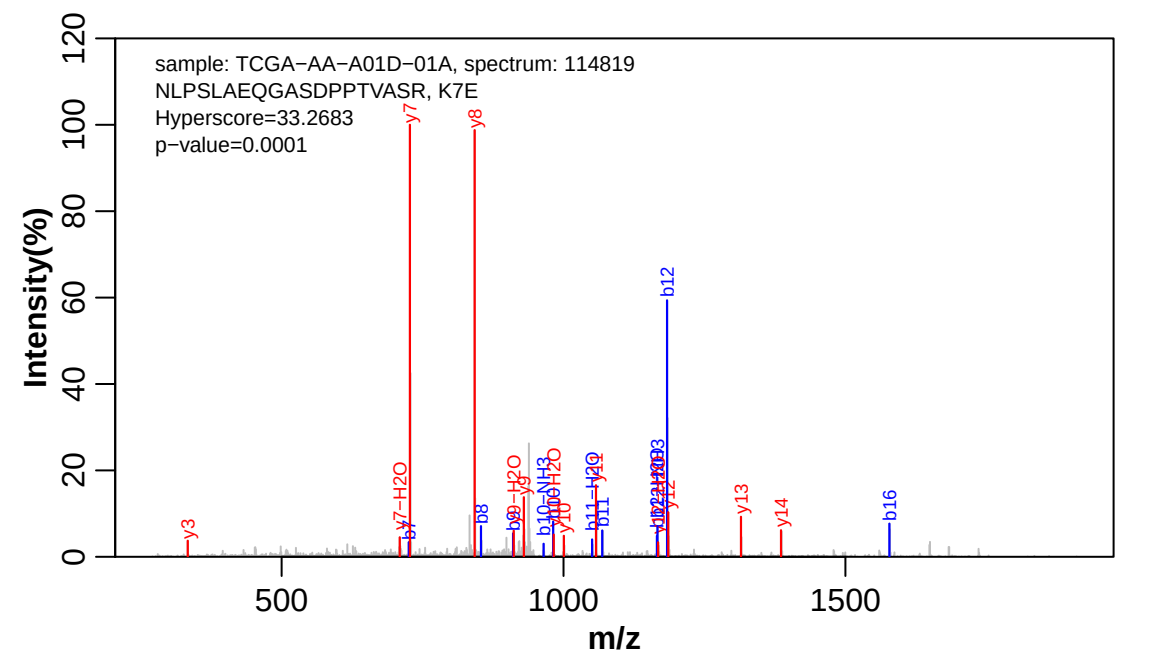

sample: TCGA−AA−A01D−01A, spectrum: 133326
LDSTDFTSTLK, G8S
Hyperscore=29.9163
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
y3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9−H2O
y9
b10−H2O
b10
y10

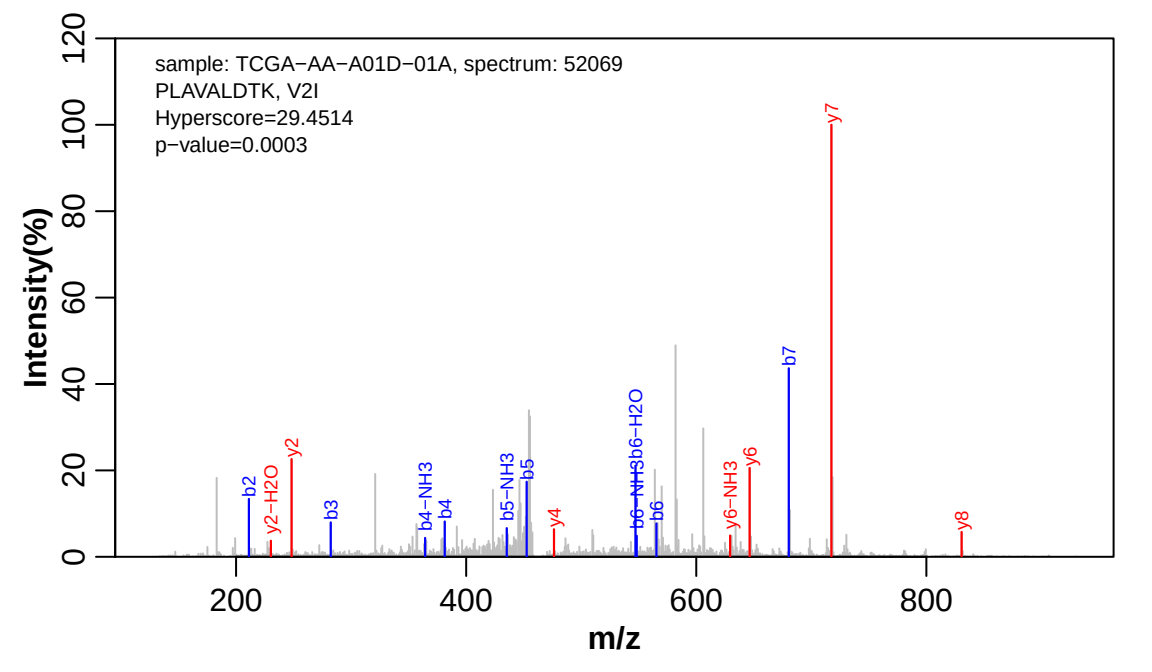

sample: TCGA−AA−A01D−01A, spectrum: 35836
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=77.6555
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y7++
y4
b7++
b8++−H2O
y10++
b9++
y5
b10++
y6−NH3
y6
b11++
y13++
b12++
b5
y7−H2O
b6−NH3++−H2O
b15++−H2O
b7−H2O
b16++−NH3
y16++
b7
b14++
b13++
y7
b17++
y17++
b8
y10
b9
b10
b11
b12

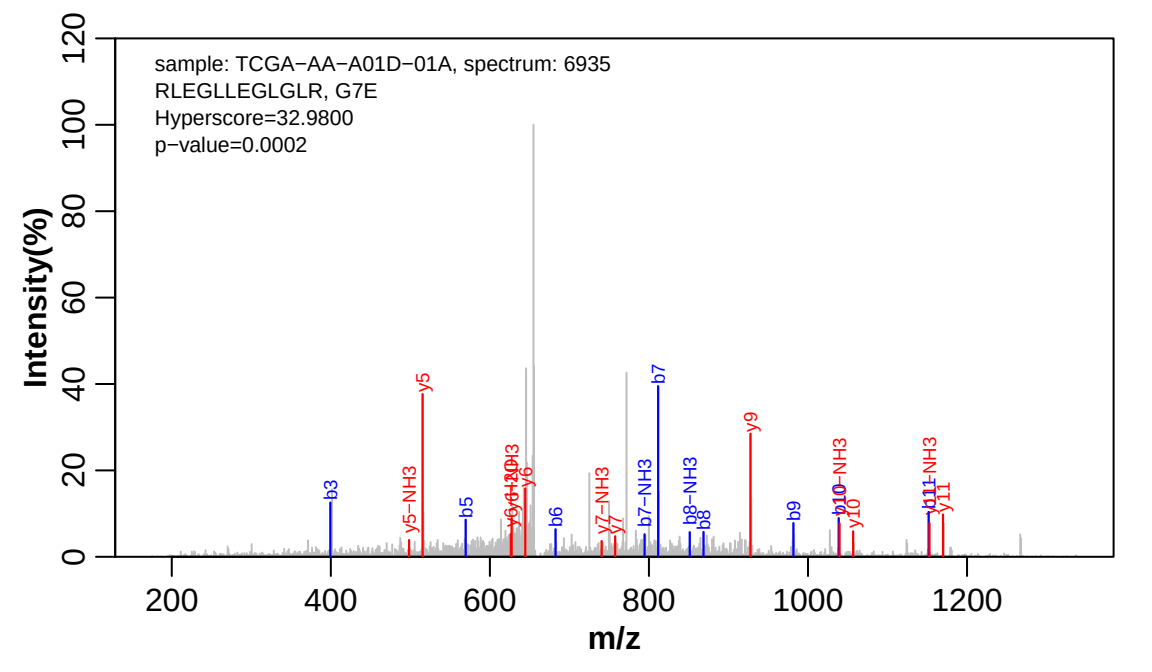

sample: TCGA−AA−A01D−01A, spectrum: 27642
LLNLLADLVER, R4L
Hyperscore=39.8367
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

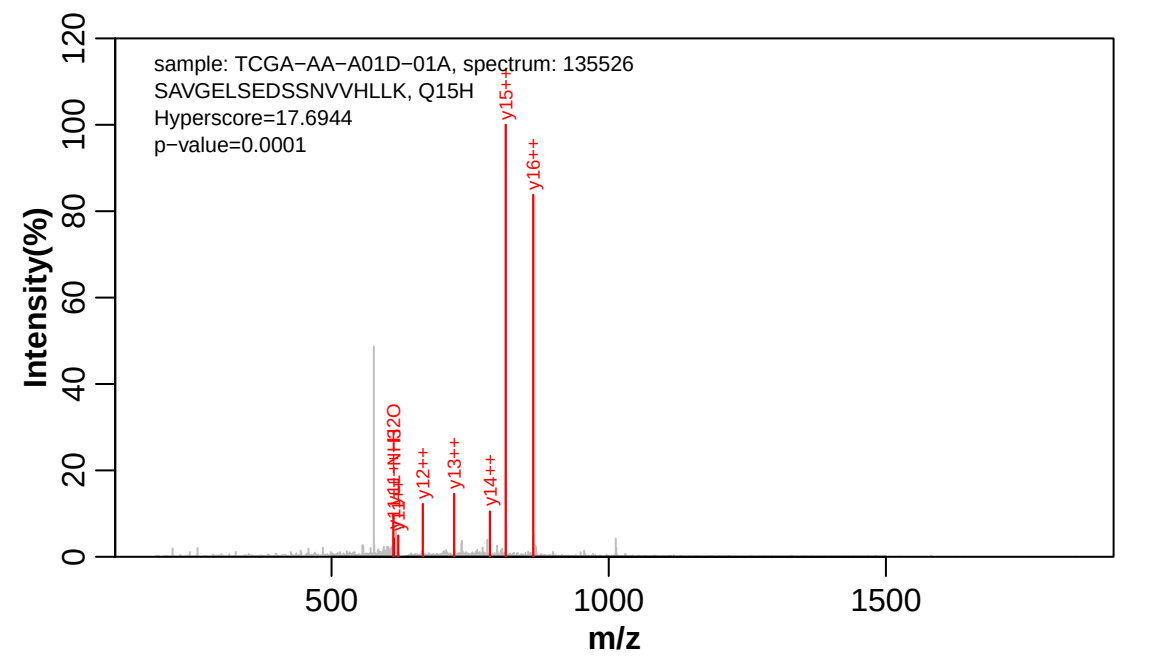

sample: TCGA−AA−A01D−01A, spectrum: 78624
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=33.6763
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y6++
y11+++
b8++−NH3
y8++−NH3
y13+++−NH3
b14+++
y16+++−H2O
y16+++
y11++
b10++−H2O
y19+++−H2O
y13++
y14++
y20+++
y15++
b15++
y16++−H2O

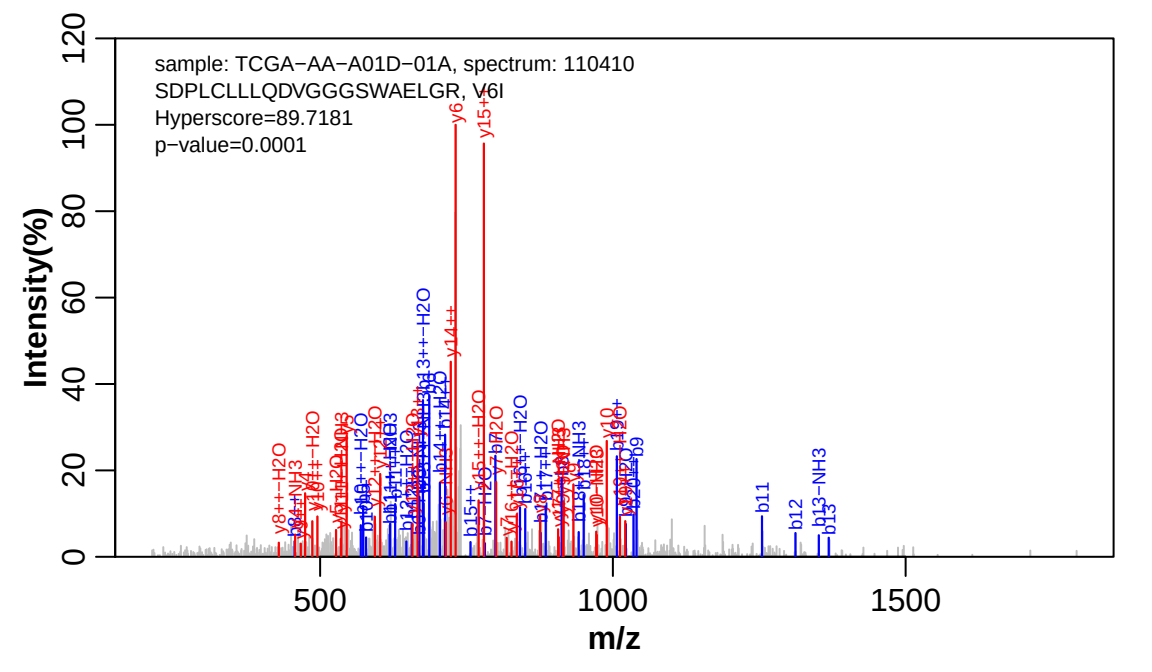

sample: TCGA−AA−A01D−01A, spectrum: 46928
LVLDEMVVELLEK, S3I
Hyperscore=51.8704
p−value=0.0001
Intensity(%)
m/z
y6
y11
y7
y10
y8
b9
y5
b11
b6
b8
y4
b7
y3
b12
y2−H2O
y2
b3
y4−H2O
y5−H2O
b8−H2O
y9
b10
y7−H2O
y11−H2O
b5
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

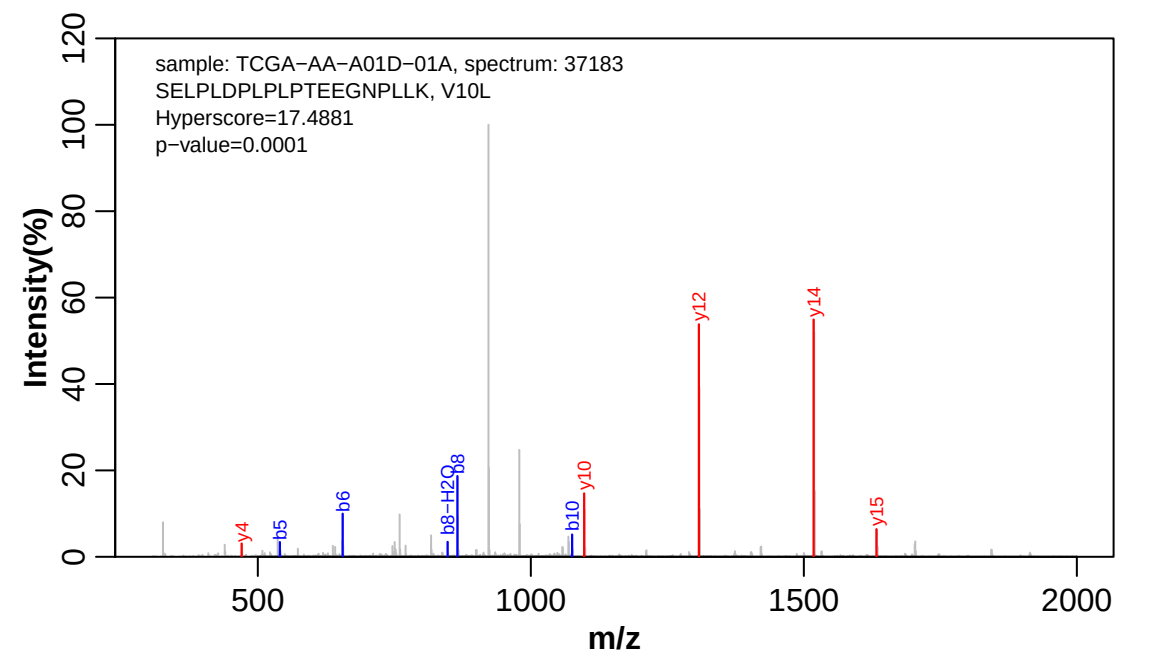

sample: TCGA−AA−A01D−01A, spectrum: 114819
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=33.2683
p−value=0.0001
Intensity(%)
m/z
y7
y8
b12
y3
y7−H2O
b7
b8
b9−H2O
y9
b10−NH3
b10−H2O
y10
b11−H2O
b11−NH3
y12
y13
y14
b16
0
20
40
60
80
100
120
500
1000
1500

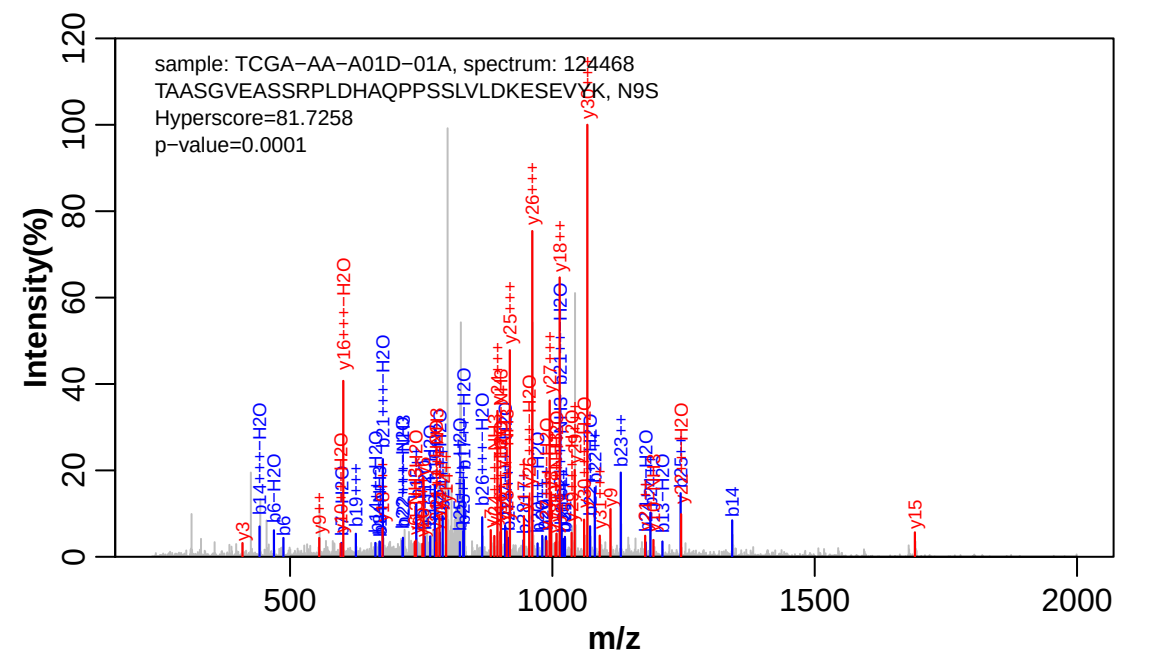

sample: TCGA−AA−A01D−01A, spectrum: 52069
PLAVALDTK, V2I
Hyperscore=29.4514
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2−H2O
y2
b3
b4−NH3
b4
b5−NH3
b5
y4
b6−NH3
b6−H2O
b6
y6−NH3
y6
b7
y7
y8

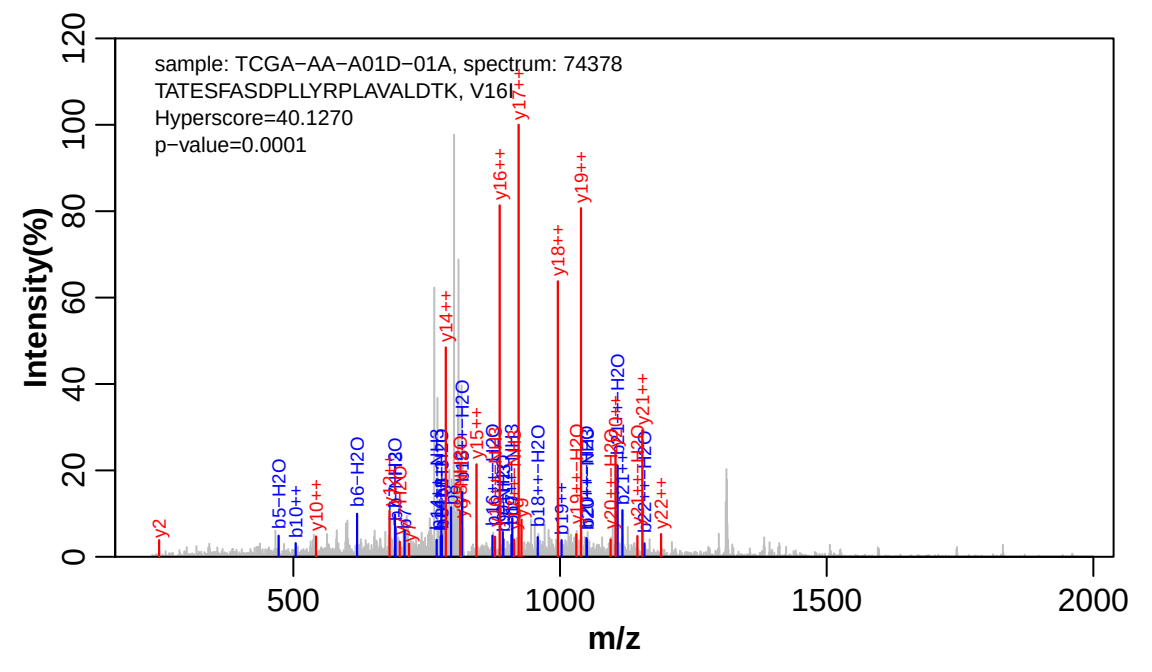

sample: TCGA−AA−A01D−01A, spectrum: 6935
RLEGLLEGLGLR, G7E
Hyperscore=32.9800
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
y5
y5−NH3
b5
y6
b6
y7−NH3
y7
b7
b7−NH3
b8−NH3
b8
y9
b9
b10−NH3
y10
y11−NH3
y11

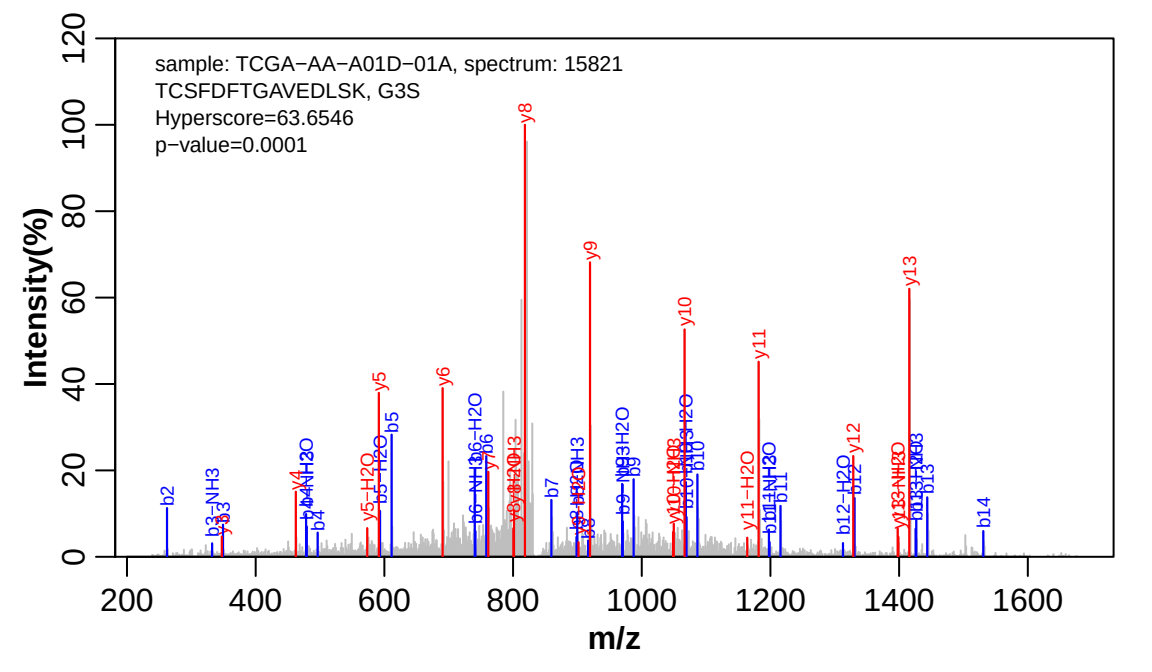

sample: TCGA−AA−A01D−01A, spectrum: 135526
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.6944
p−value=0.0001
y15++
y16++
y12++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

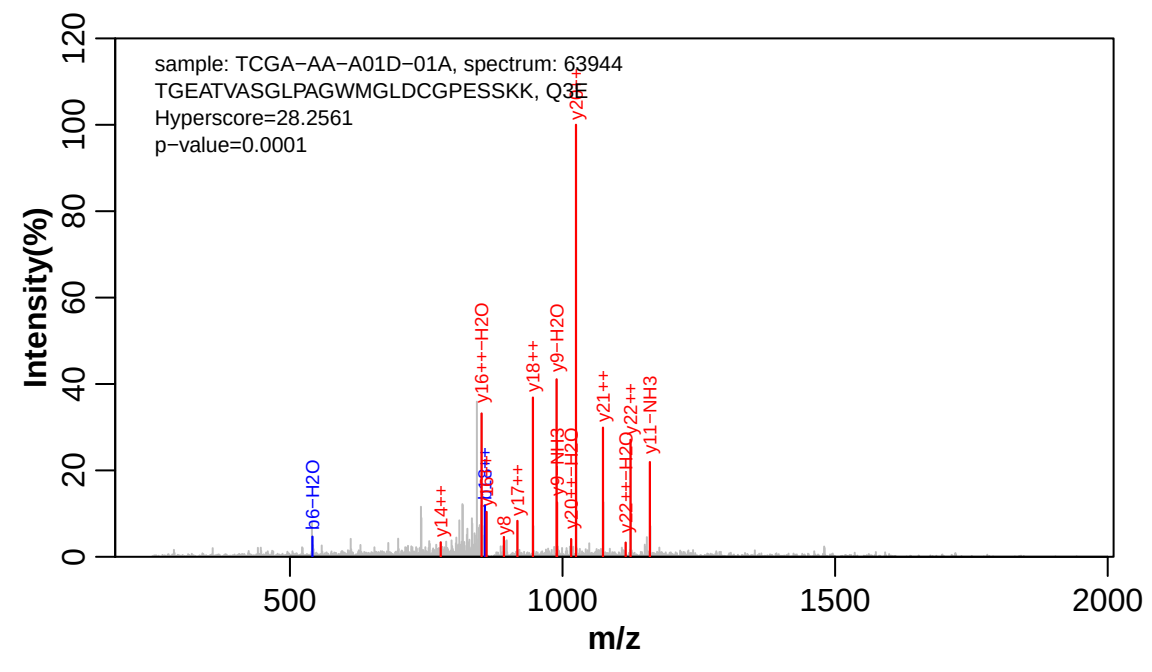

sample: TCGA−AA−A01D−01A, spectrum: 110410
SDPLCLLLQDVGGGSWAELGR, V6I
Hyperscore=89.7181
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6++
y15++
b11
b12
b13−NH3

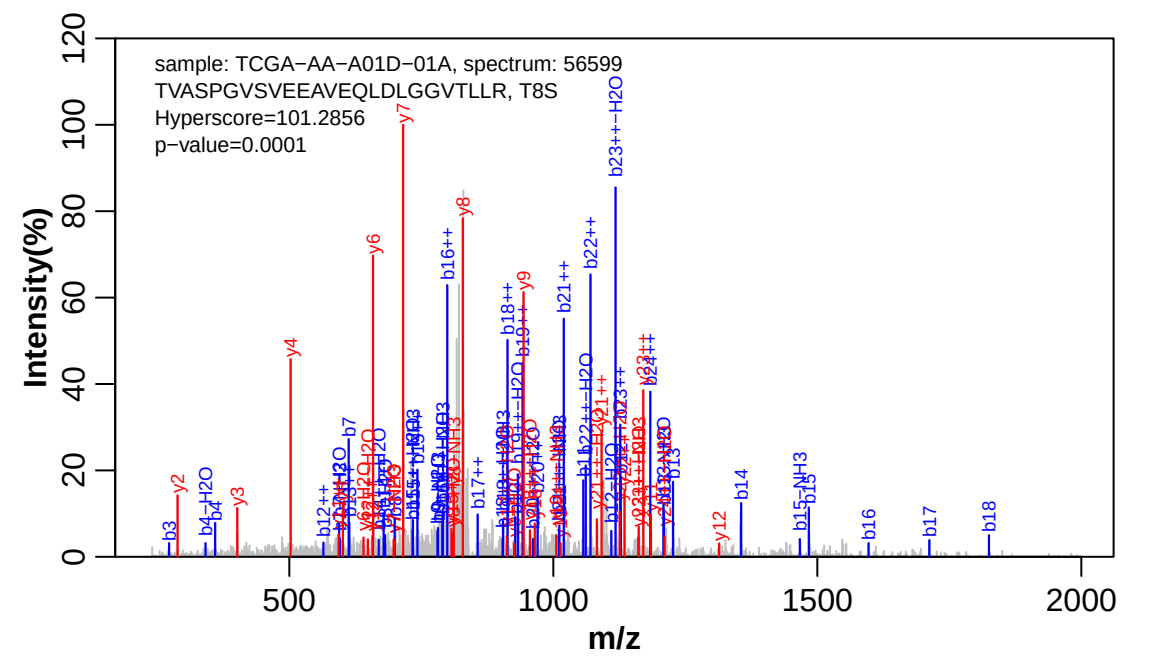

sample: TCGA−AA−A01D−01A, spectrum: 37183
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=17.4881
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
y4
b5
b6
b8−H2O
b8
b10
y10
y12
y14
y15

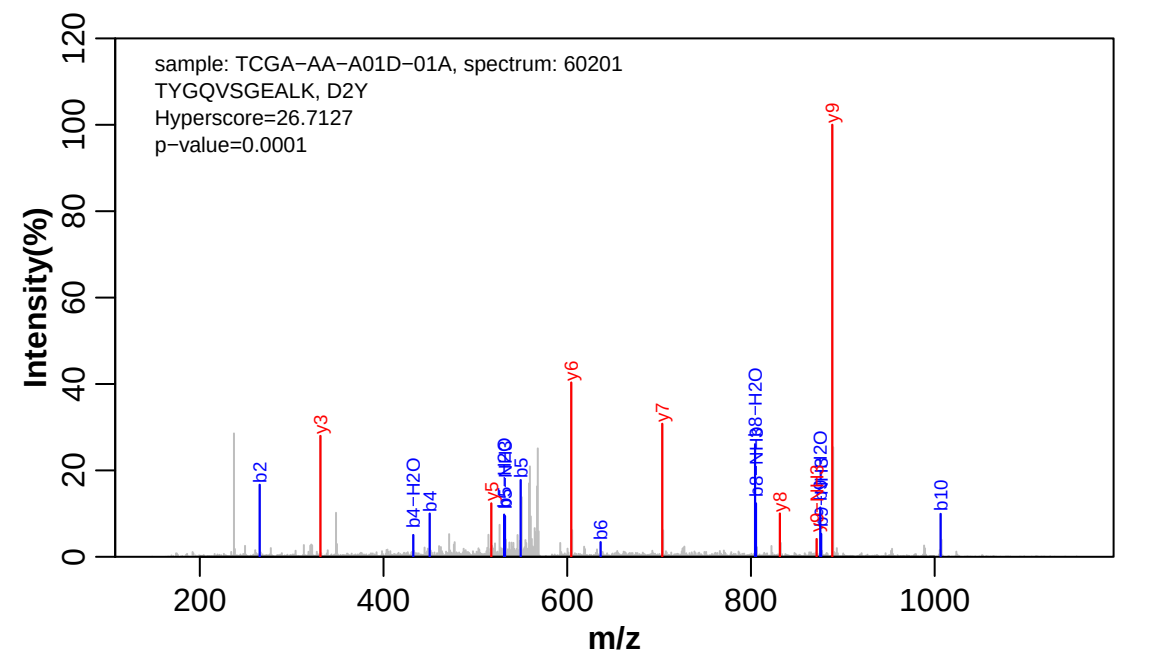

sample: TCGA−AA−A01D−01A, spectrum: 124468
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=81.7258
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
y3
b14+++−H2O
b6
b6−H2O
y9++
y16+++−H2O
b19+++
b21+++−H2O
y25+++
y26+++
y18++
b23++
y15
b14

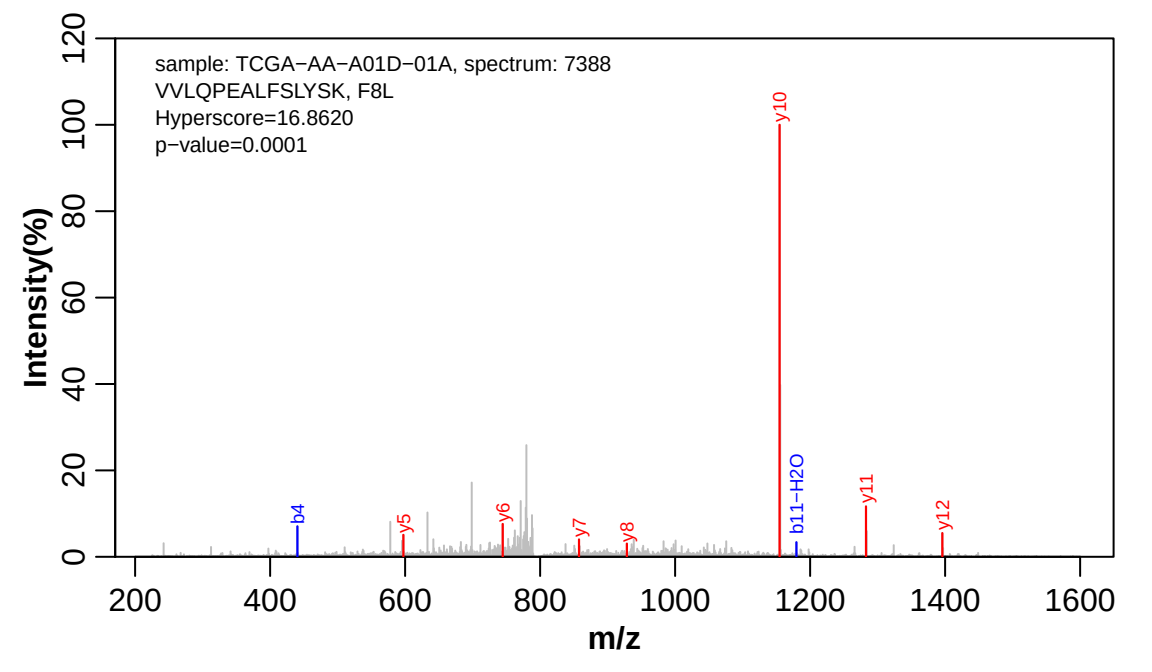

sample: TCGA−AA−A01D−01A, spectrum: 74378
TATESFASDPLLYRPLAVALDTK, V16T
Hyperscore=40.1270
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b5−H2O
b10++
y10++
b6−H2O
y14++
y15++
y16++
y17++
b18++−H2O
y18++
y19++
y21++
y22++

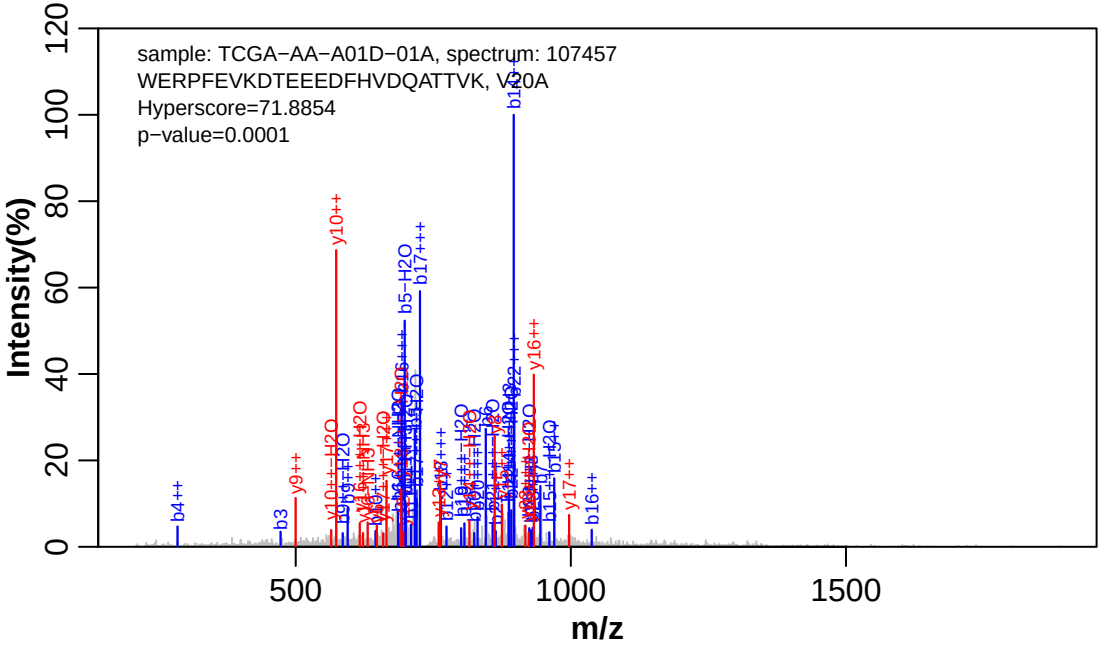

sample: TCGA−AA−A01D−01A, spectrum: 15821
TCSFDFTGAVEDLSK, G3S
Hyperscore=63.6546
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−NH3
y3
y4
b4−H2O
b4
y5−H2O
b5−H2O
y5
b5
y6
b6−NH3−H2O
b6
y7
y8−H2O
y8−NH3
y8
b7
y9
b8−H2O
b8−NH3
b8
b9−NH3
b9−H2O
b9
y10
y10−H2O
b10−H2O
b10
y11
y11−H2O
b11−NH3
b11−H2O
b11
b12−H2O
y12
b12
y13−NH3
y13−H2O
y13
b13
b14

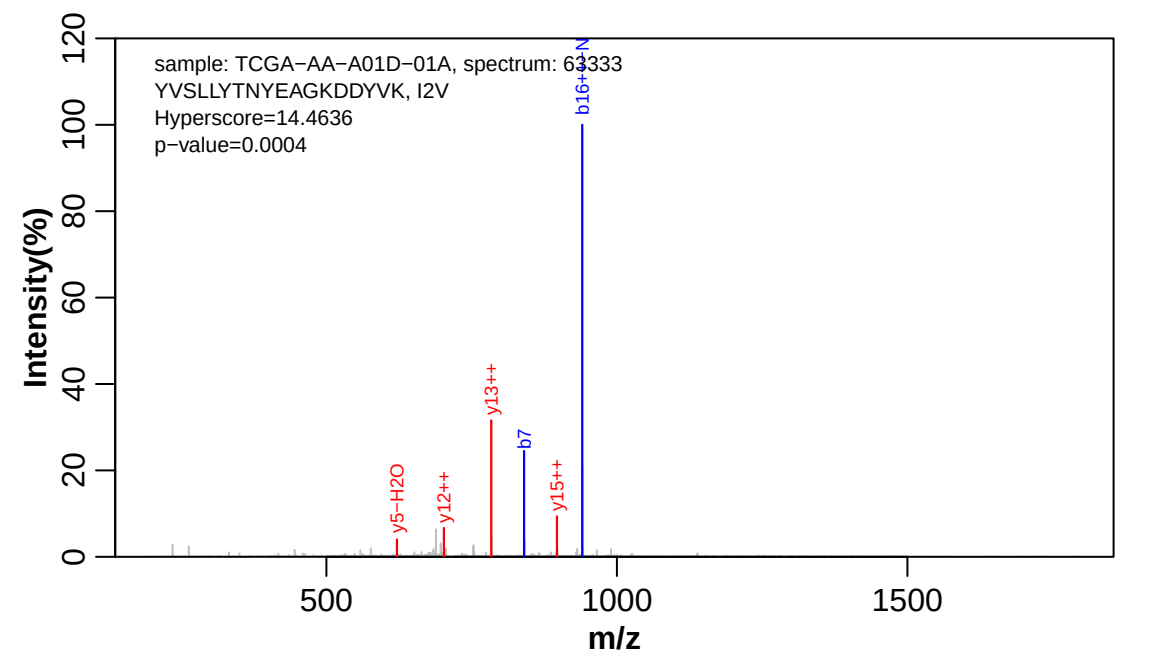

sample: TCGA−AA−A01D−01A, spectrum: 63944
TGEATVASGLPAGWMGLDCGPESSKK, Q3E
Hyperscore=28.2561
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
b6−H2O
y14++
y16++−H2O
y16++
y8
y17++
y18++
y9−NH3
y9−H2O
y20++−H2O
y20++
y21++
y22++−H2O
y22++
y11−NH3
y26++

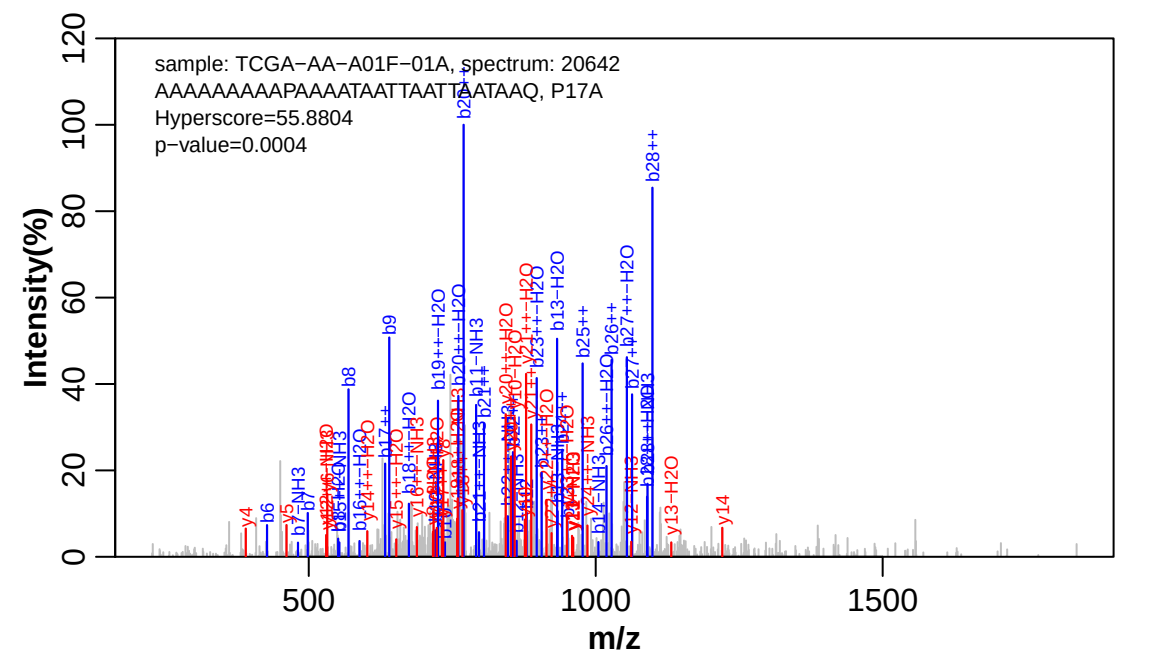

sample: TCGA−AA−A01D−01A, spectrum: 56599
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=101.2856
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y2
b4−H2O
b4
y3
y4
b12++
b7
y6
y7
b16++
y8
b17++
b18++
b19++
y9
b21++
b22++
b23++−H2O
b14
b15−NH3
b16
b17
b18

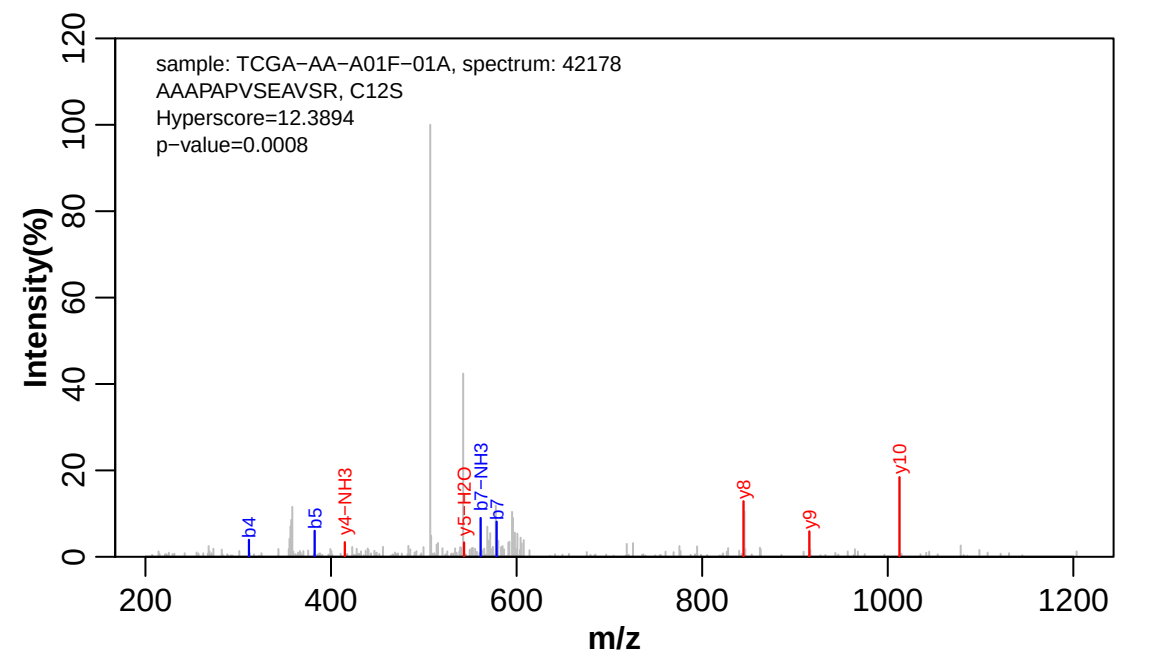

sample: TCGA−AA−A01D−01A, spectrum: 60201
TYGQVSGEALK, D2Y
Hyperscore=26.7127
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y3
b4−H2O
b4
y5
b5
y6
b6
y7
b8−NH3
b8−H2O
y8
b10
y9

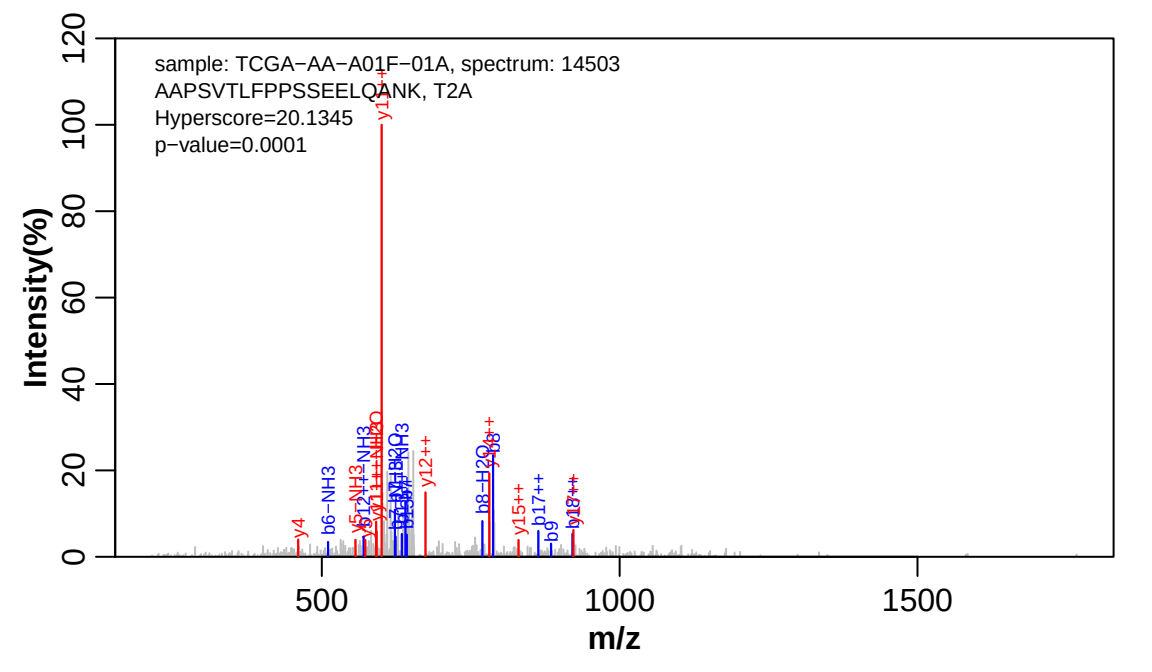

sample: TCGA−AA−A01D−01A, spectrum: 7388
VVLQPEALFSLYSK, F8L
Hyperscore=16.8620
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
1600
b4
y5
y6
y7
y8
y10
b11−H2O
y11
y12

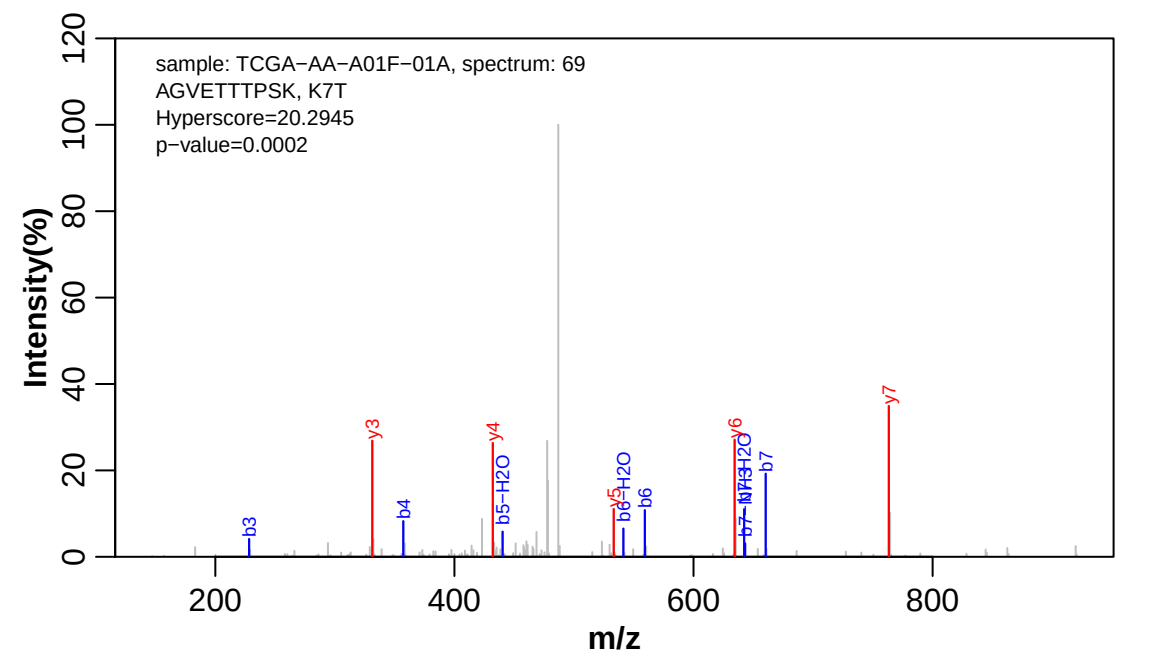

sample: TCGA−AA−A01D−01A, spectrum: 107457
WERPFEVKDTEEEDFHVDQATTVK, V20A
Hyperscore=71.8854
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4++
b3
y9++
y10++−H2O
y10++
b5−H2O
b17+++
b16++
y16++
y17++

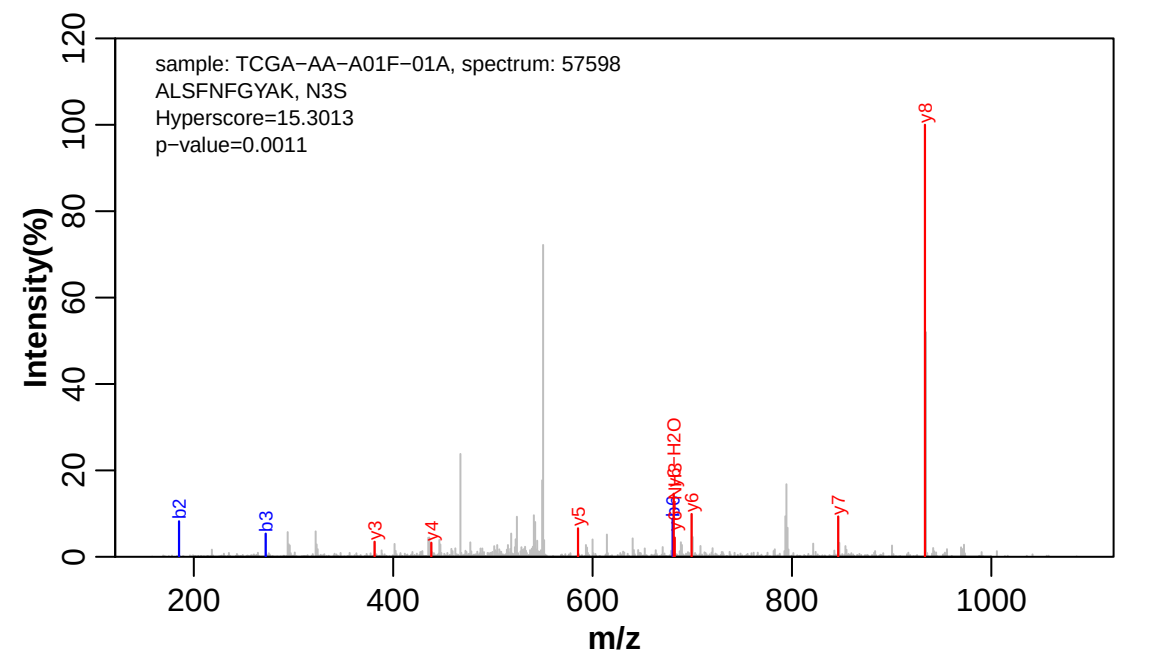

sample: TCGA−AA−A01D−01A, spectrum: 63333
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=14.4636
p−value=0.0004
b16+−N
y13++
b7
y15++
y12++
y5−H2O
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

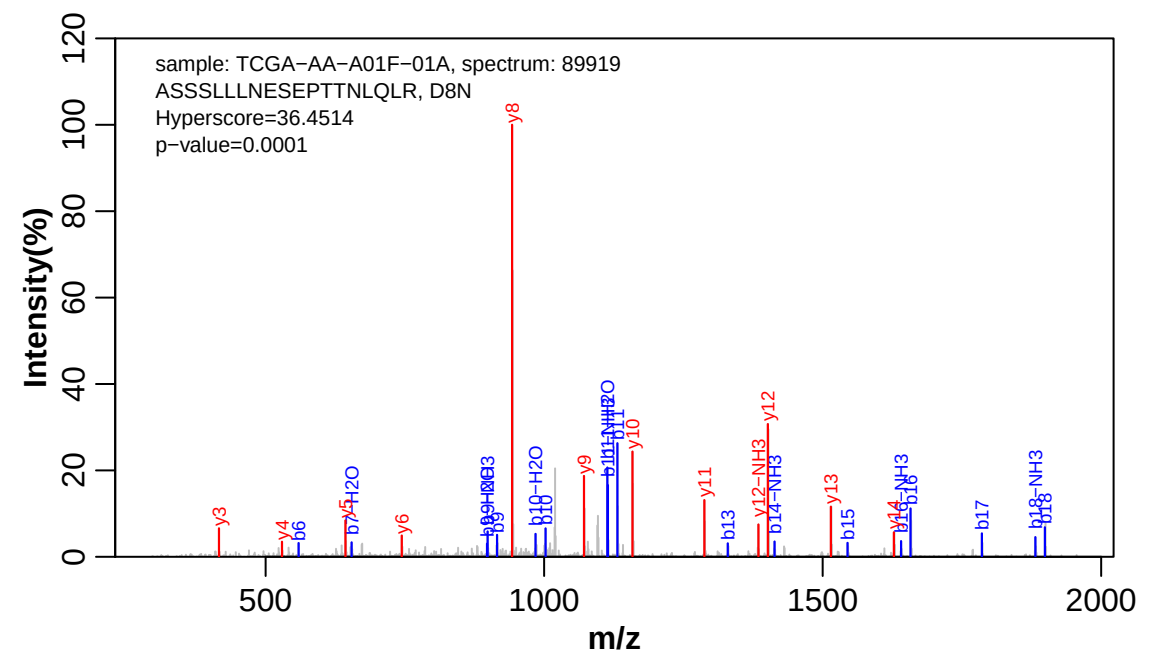

sample: TCGA−AA−A01F−01A, spectrum: 20642
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=55.8804
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b9
b8
b2++
b19++−H2O
b20++−H2O
b11−NH3
b13−H2O
b25++
b26++
b27++−H2O
b28++
y4
b6
y5
b7−NH3
b7
b16++−H2O
y14++−H2O
b17++
y15++−H2O
y16−NH3
b18−NH3
y13−H2O
y14

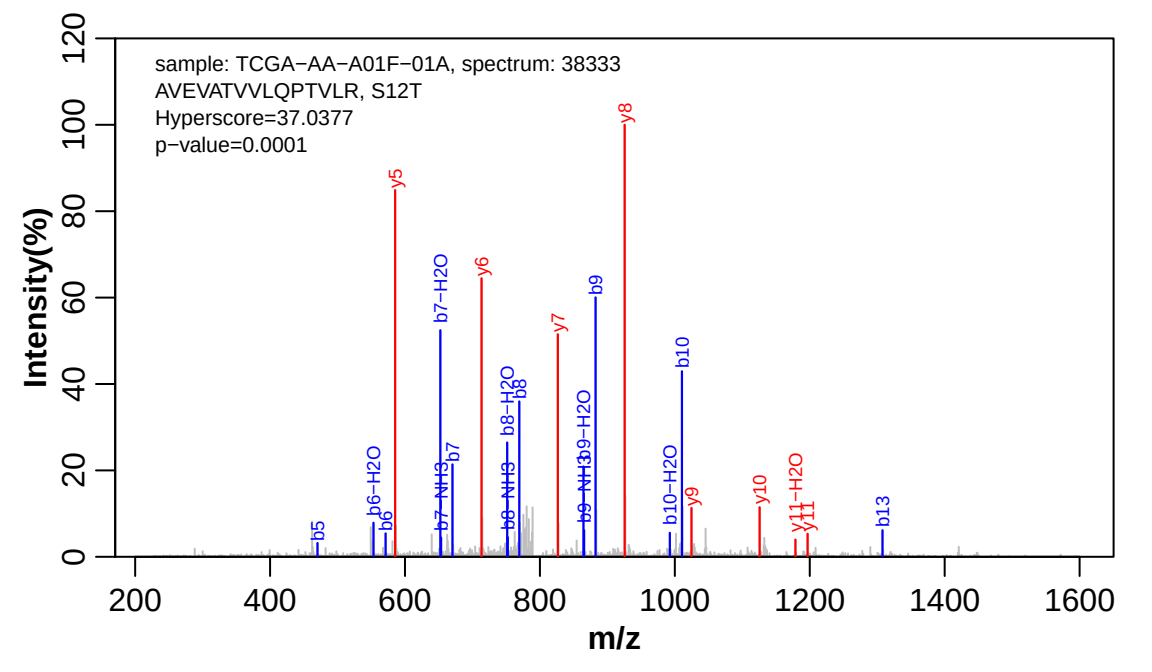

sample: TCGA−AA−A01F−01A, spectrum: 42178
AAAPAPVSEAVSR, C12S
Hyperscore=12.3894
p−value=0.0008
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
m/z
b4
b5
y4−NH3
y5−H2O
b7−NH3
b7
y8
y9
y10

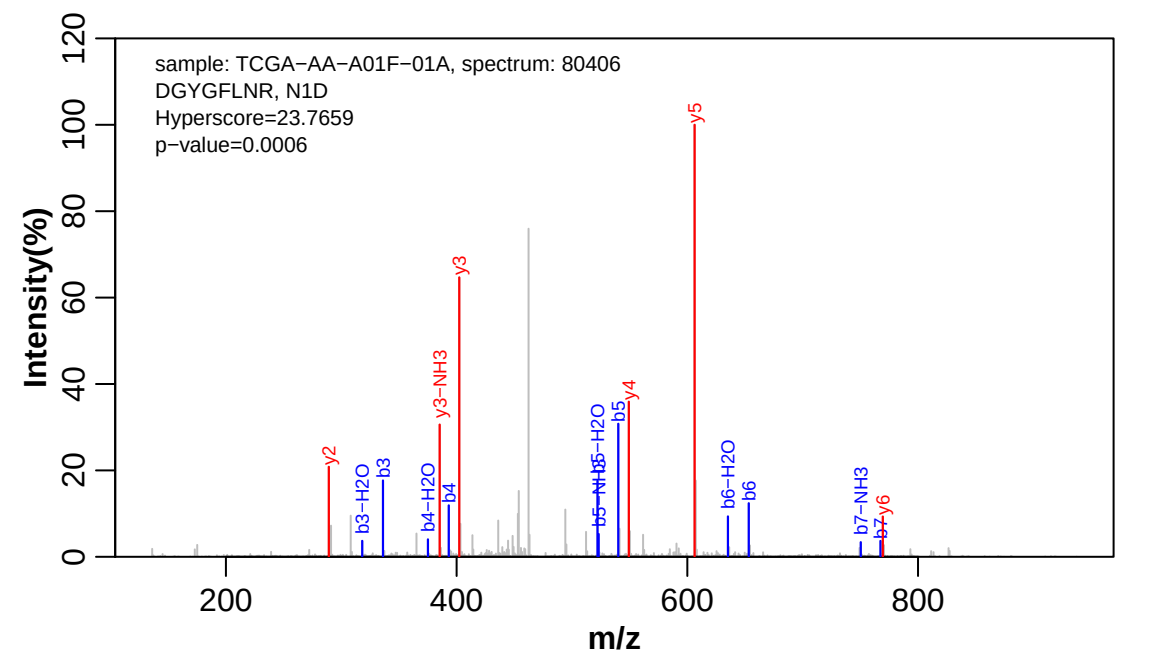

sample: TCGA−AA−A01F−01A, spectrum: 14503
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=20.1345
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
y12++
y15++
y17++
y18++
b6−NH3
b8−H2O
b9
b17++
y4

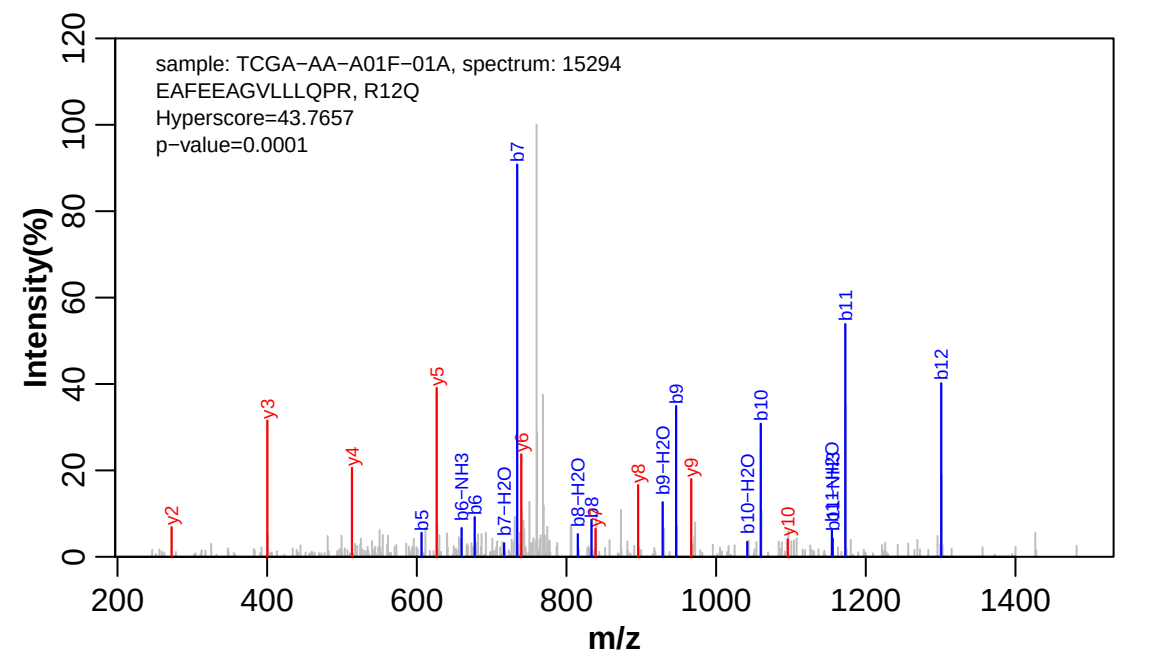

sample: TCGA−AA−A01F−01A, spectrum: 69
AGVETTTPSK, K7T
Hyperscore=20.2945
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b3
y3
b4
y4
b5−H2O
y5
b6−H2O
b6
y6
b7−NH3−H2O
b7
y7

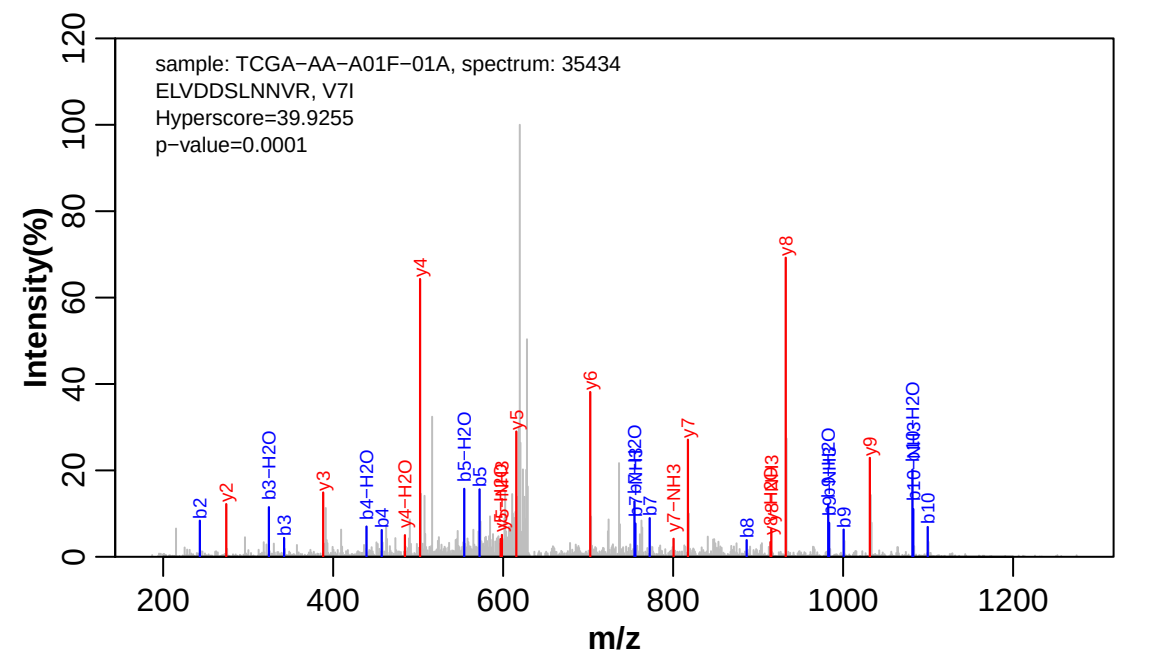

sample: TCGA−AA−A01F−01A, spectrum: 57598
ALSFNFGYAK, N3S
Hyperscore=15.3013
p−value=0.0011
Intensity(%)
m/z
b2
b3
y3
y4
y5
y6
y7
y8
y8-H2O

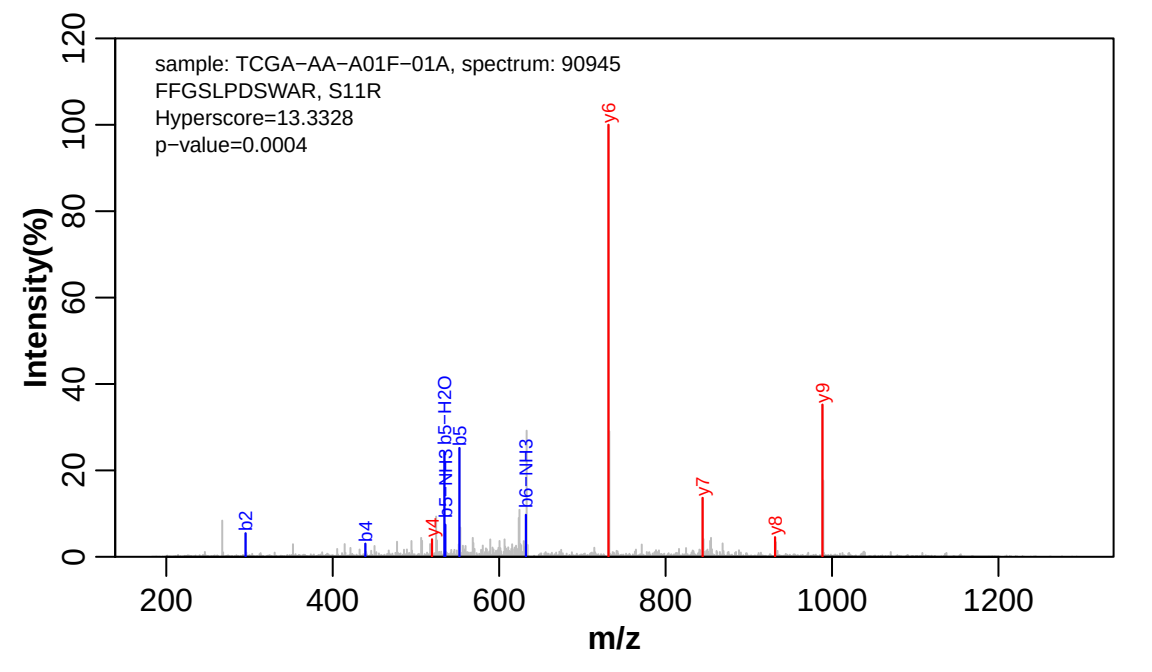

sample: TCGA−AA−A01F−01A, spectrum: 89919
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=36.4514
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
b6
b7−H2O
y5
y6
b9−H2O
b9−NH3
b9
b10−H2O
b10
y9
b11−H2O
b11−NH3
b11
y10
y11
b13
y12−NH3
y12
b14−NH3
y13
b15
y14
b16−NH3
b16
b17
b18−NH3
b18

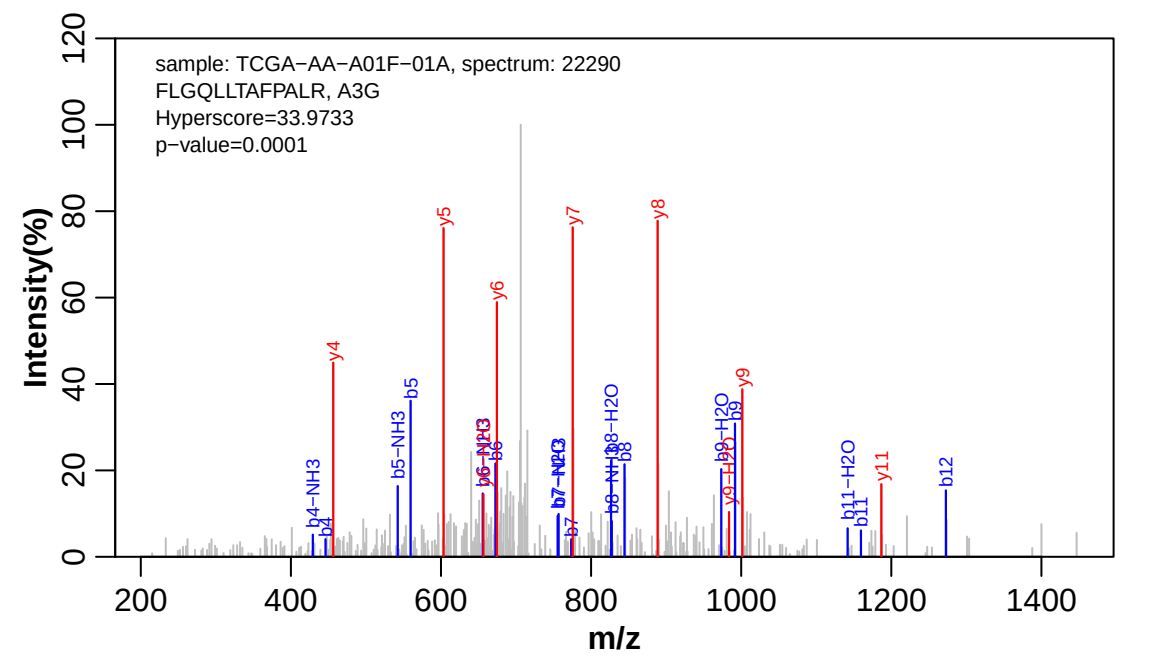

sample: TCGA−AA−A01F−01A, spectrum: 38333
AVEVATVVLQPTVLR, S12T
Hyperscore=37.0377
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y8
y5
y6
b7−H2O
b9
y7
b10
b8−H2O
b8
b6−H2O
b7
b7−NH3
b8−NH3
b9−H2O
b9−NH3
b10−H2O
y9
y10
y11−H2O
y11
b13
b5
b6

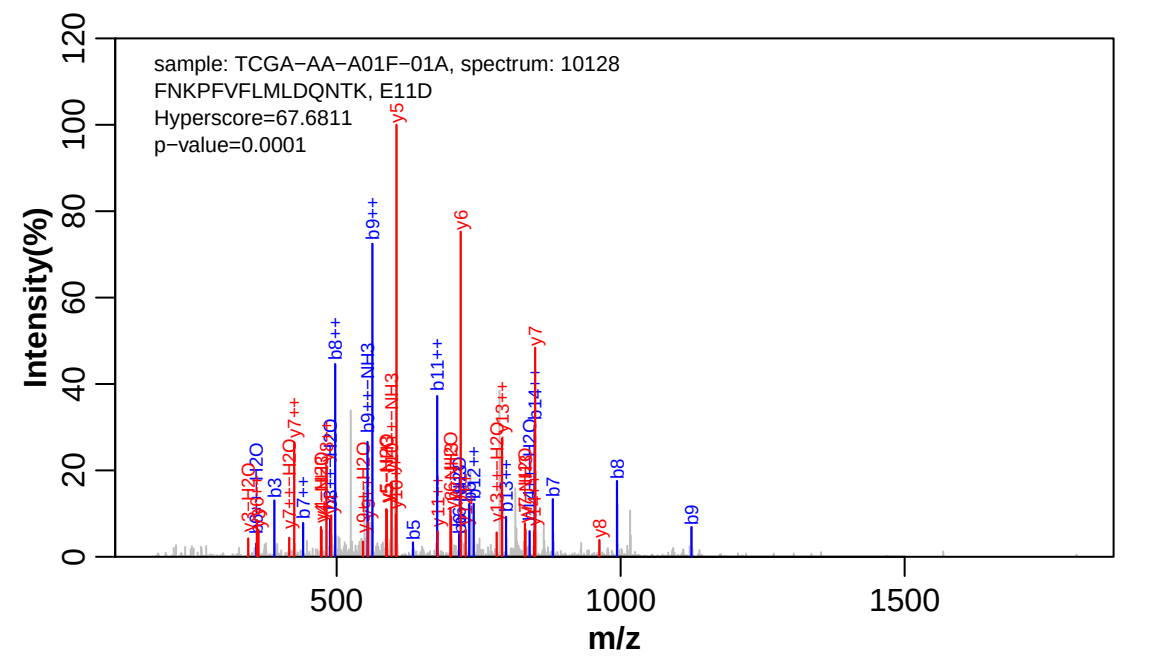

sample: TCGA−AA−A01F−01A, spectrum: 80406
DGYGFLNR, N1D
Hyperscore=23.7659
p−value=0.0006
Intensity(%)
m/z
y2
b3−H2O
b3
y3−NH3
y3
b4−H2O
b4
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7−NH3
b7
y6

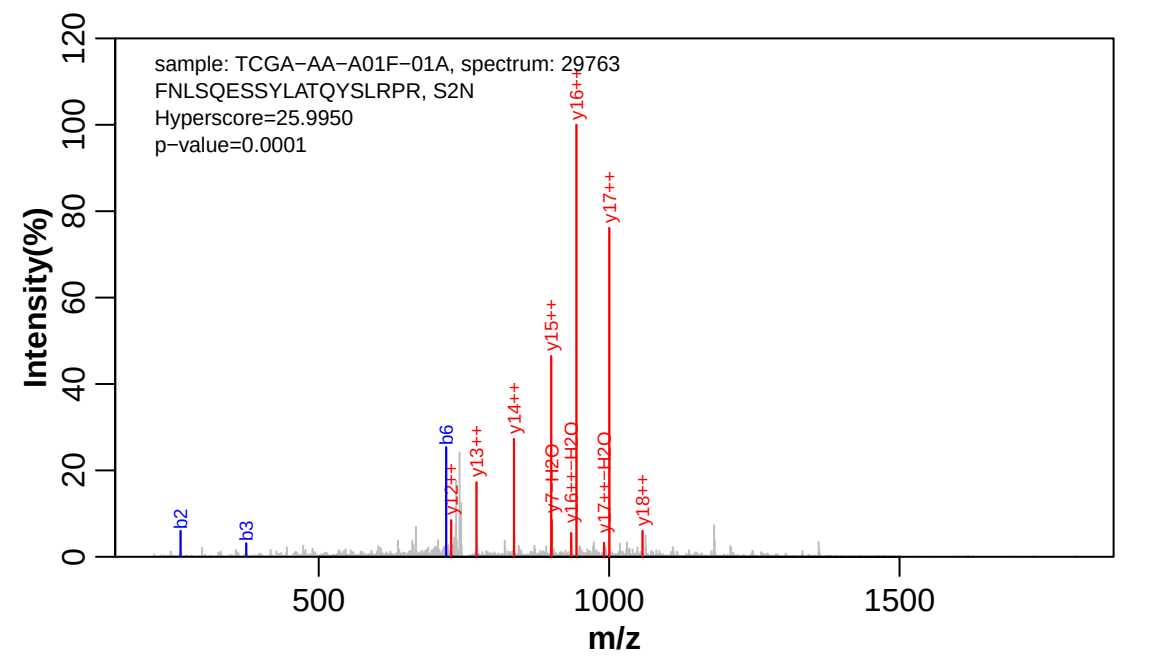

sample: TCGA−AA−A01F−01A, spectrum: 15294
EAFEEAGVLLLQPR, R12Q
Hyperscore=43.7657
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
y4
y5
b5
b6−NH3
b6
b7−H2O
b7
y6
b8−H2O
y7
y8
b9−H2O
b9
y9
b10−H2O
b10
y10
b11
b12

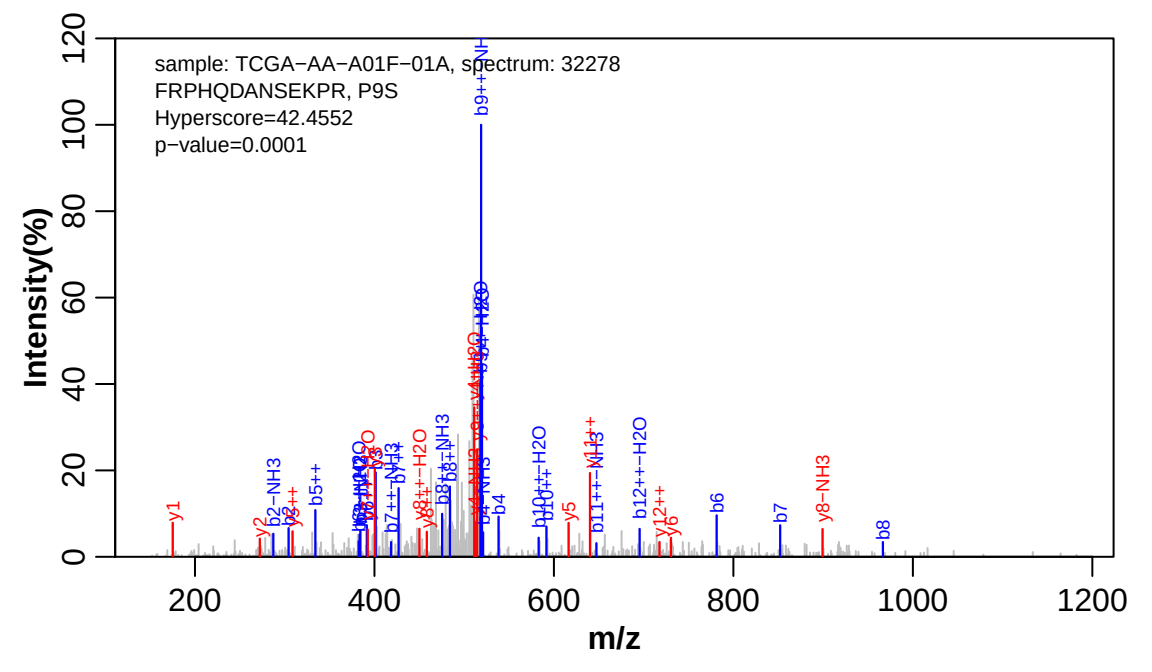

sample: TCGA−AA−A01F−01A, spectrum: 35434
ELVDDSLNNVR, V7I
Hyperscore=39.9255
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−H2O
y4
b5−H2O
b5
y5−H2O
y5
y6
y7−NH3
y7
b8
y8
y9
b9
b10
b10−H2O

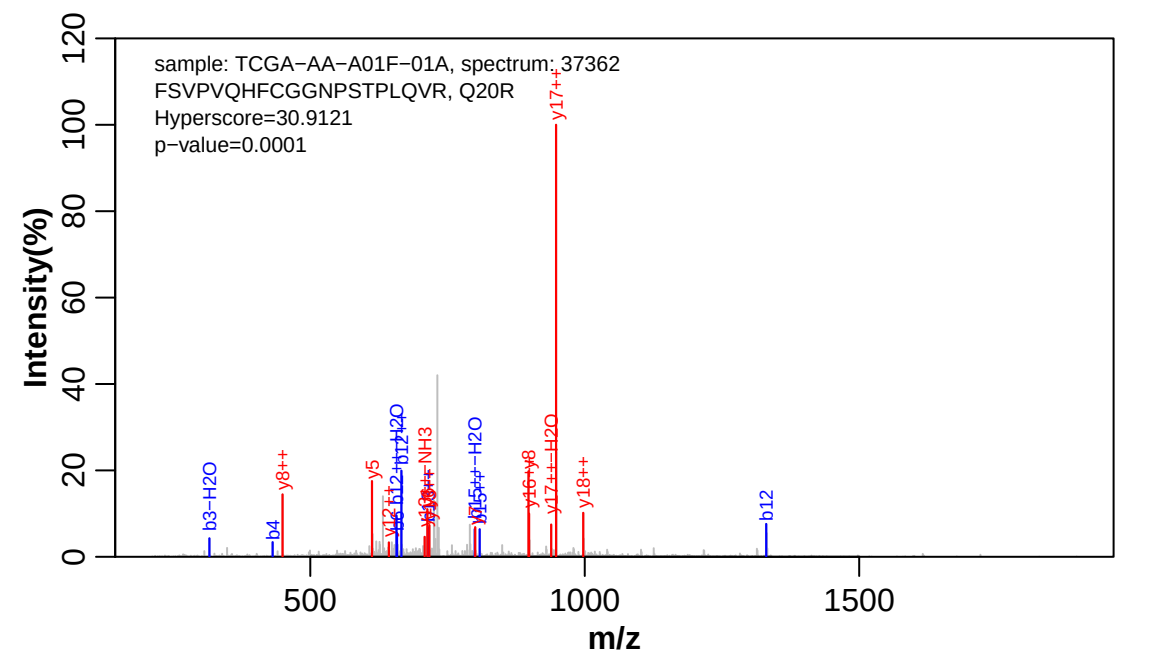

sample: TCGA−AA−A01F−01A, spectrum: 90945
FFGSLPDSWAR, S11R
Hyperscore=13.3328
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

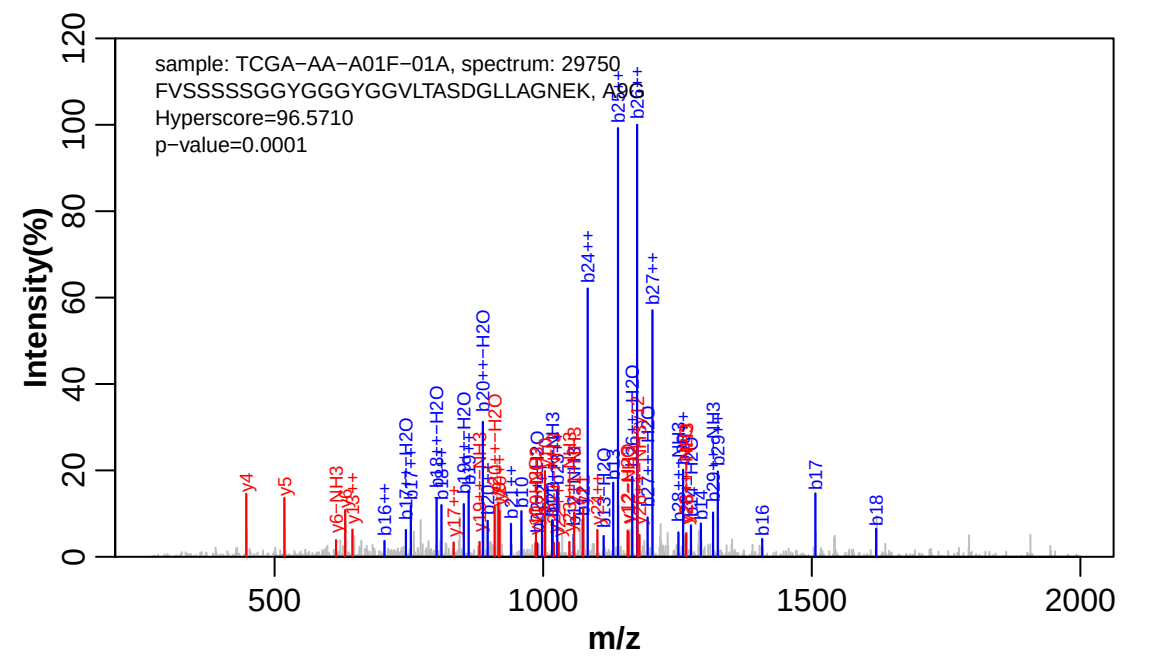

sample: TCGA−AA−A01F−01A, spectrum: 22290
FLGQLLTAFPALR, A3G
Hyperscore=33.9733
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
y5
y6
y7
y8
y9
b4
b4−NH3
b5
b5−NH3
b6
b7
b8
b8−H2O
b9
b9−H2O
b11
b11−H2O
y11
b12

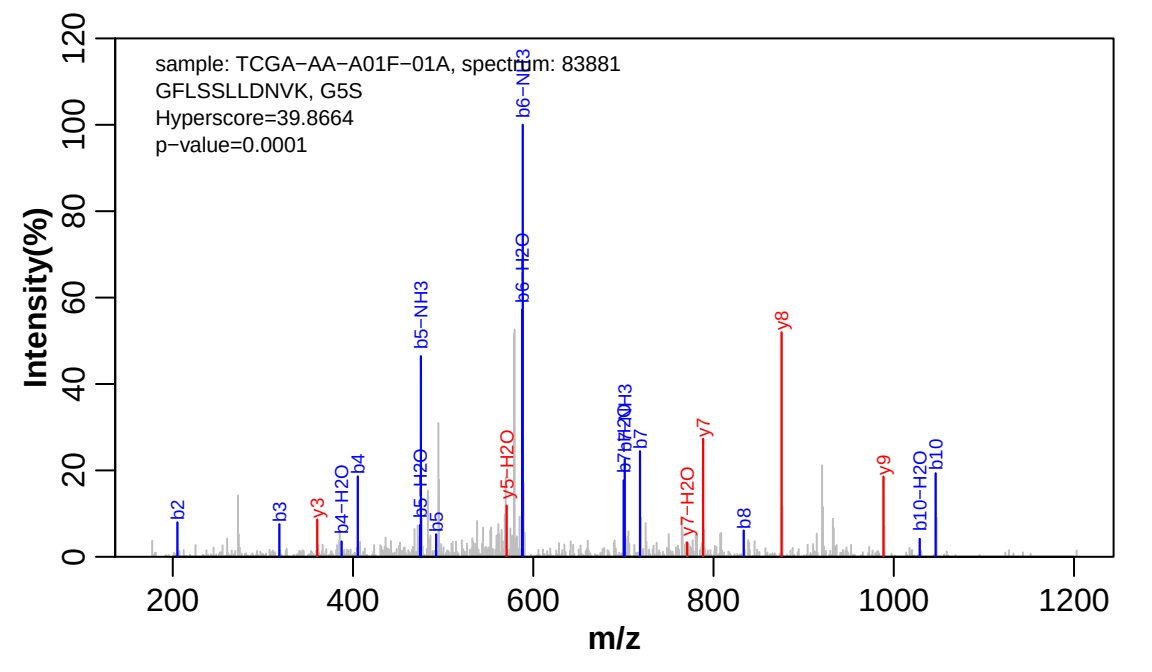

sample: TCGA−AA−A01F−01A, spectrum: 10128
FNKPFVFLMLDQNTK, E11D
Hyperscore=67.6811
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
b9++
y6
b8++
b11++
y7
y7++
b7
b8
b9
b5
b3
y8

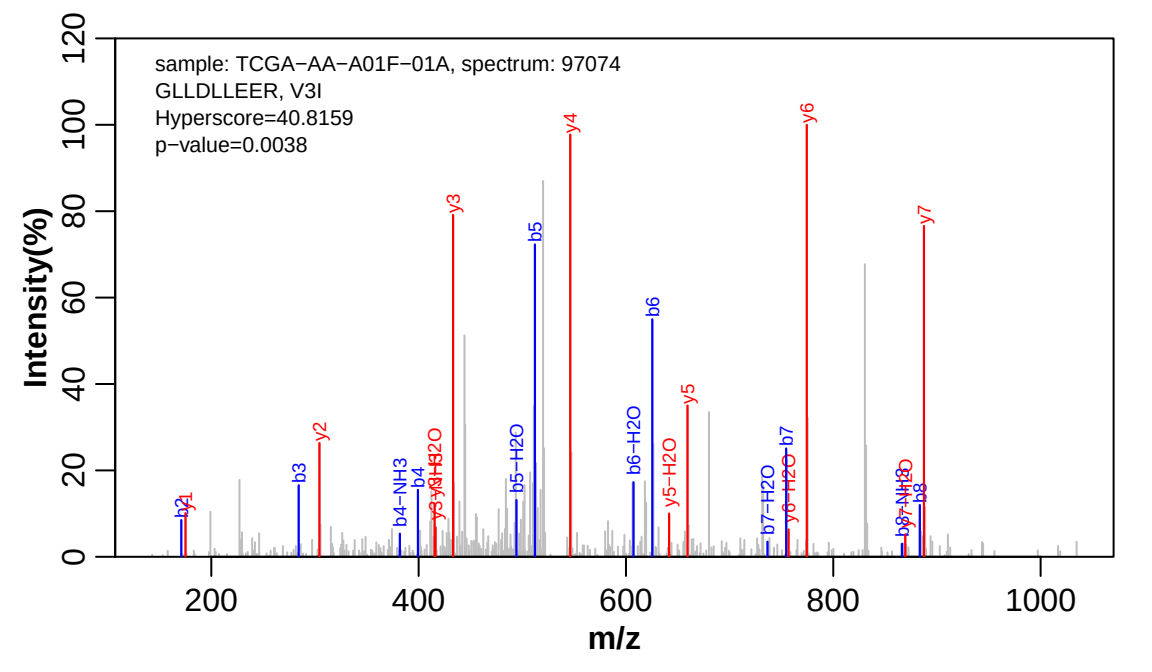

sample: TCGA−AA−A01F−01A, spectrum: 29763
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=25.9950
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b6
y12++
y13++
y14++
y7−H2O
y15++
y16++−H2O
y16++
y17++−H2O
y17++
y18++

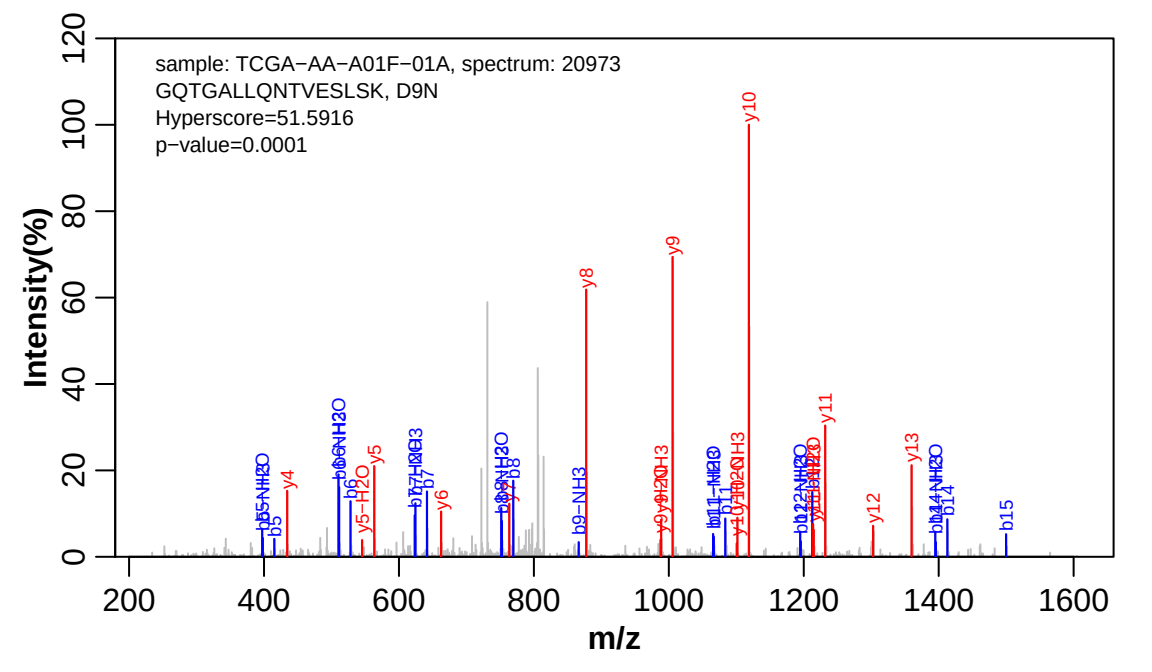

sample: TCGA−AA−A01F−01A, spectrum: 32278
FRPHQDANSEKPR, P9S
Hyperscore=42.4552
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2−NH3
y2
b2++
b5++
b7++−NH3
y8++−H2O
b8++−NH3
b9++−NH3
b4
b10++−H2O
y5
b11++−NH3
b12++−H2O
y12++
y6
b6
b7
y8−NH3
b8

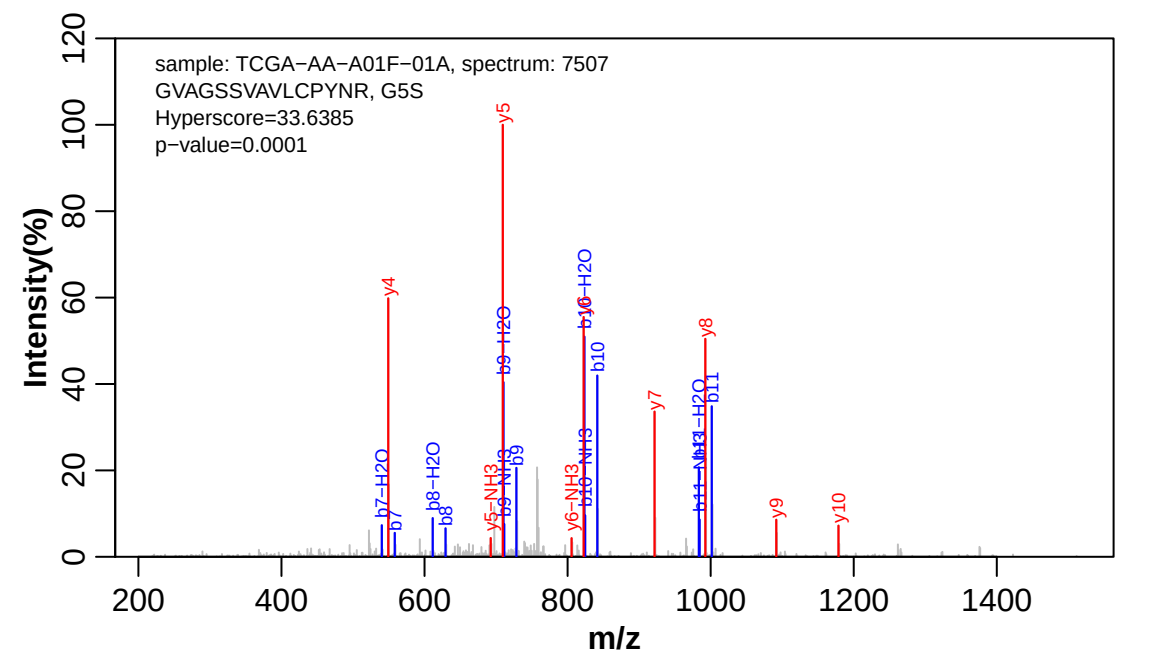

sample: TCGA−AA−A01F−01A, spectrum: 37362
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=30.9121
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
b4
y8++
y5
y12++
b8
b12−H2O
b12
y10++−NH3
y10++
y15++−H2O
y15++
y16+y8
y17++−H2O
y17++
y18++
b12

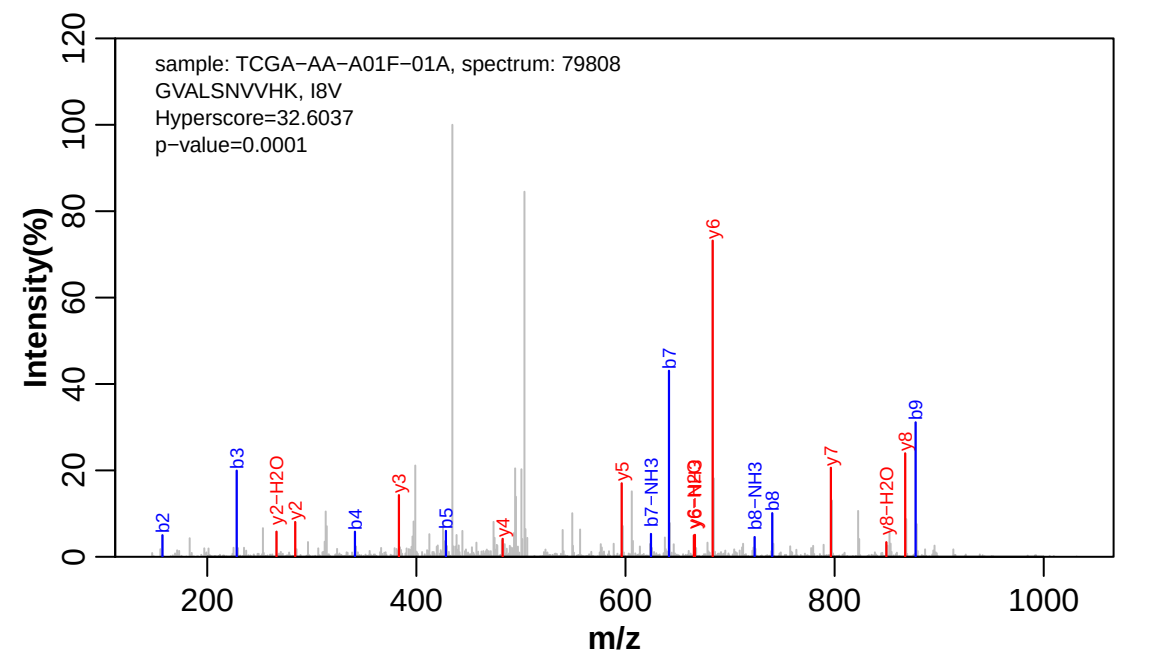

sample: TCGA−AA−A01F−01A, spectrum: 29750
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=96.5710
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
y5
b16++
b17
b18
b24++
b27++

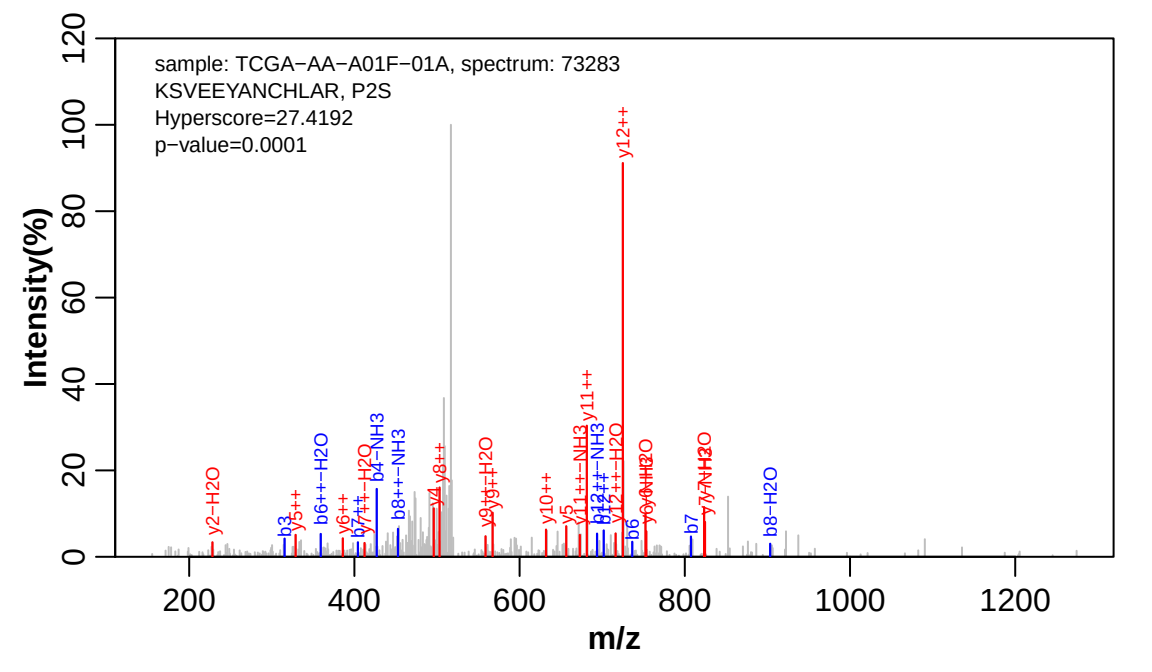

sample: TCGA−AA−A01F−01A, spectrum: 83881
GFLSSLLDNVK, G5S
Hyperscore=39.8664
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4−H2O
b4
b5−NH3
b5−H2O
b5
y5−H2O
b6−NH3
b6−H2O
b7
y7
y7−H2O
b8
y8
y9
b10−H2O
b10

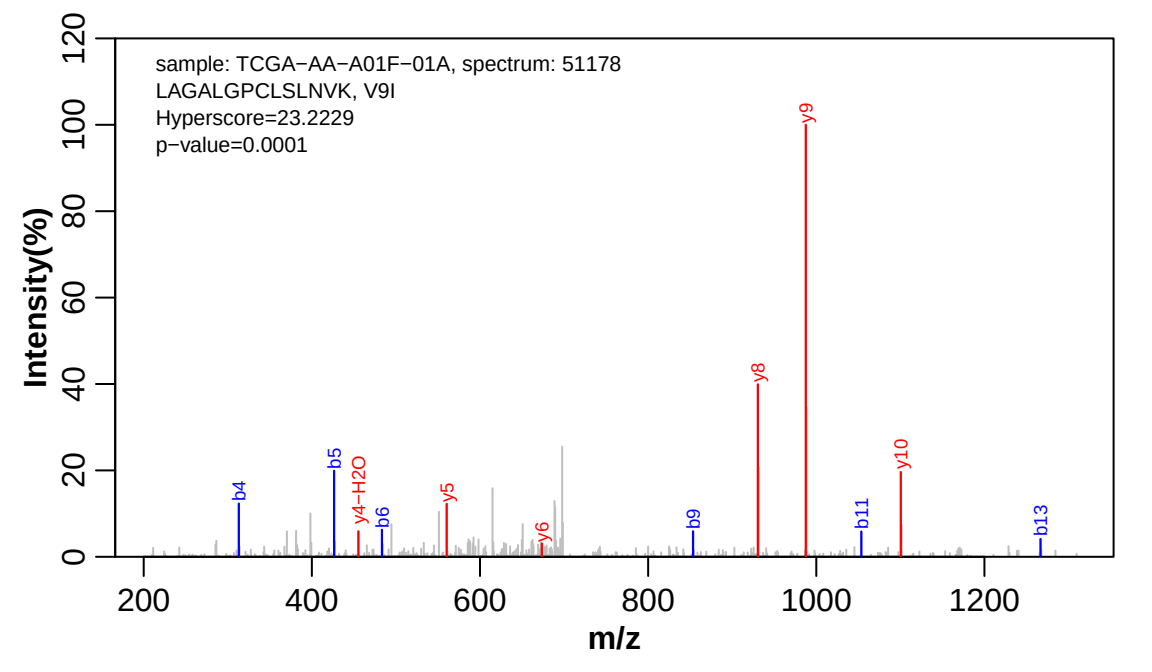

sample: TCGA−AA−A01F−01A, spectrum: 97074
GLLDLLEER, V3I
Hyperscore=40.8159
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
b3
y2
b4−NH3
b4
y3−NH3
y3
y3−H2O
b5−H2O
b5
y4
b6−H2O
b6
y5−H2O
y5
b7−H2O
y6−H2O
b7
y6
b7−NH3
b8−H2O
b8
y7

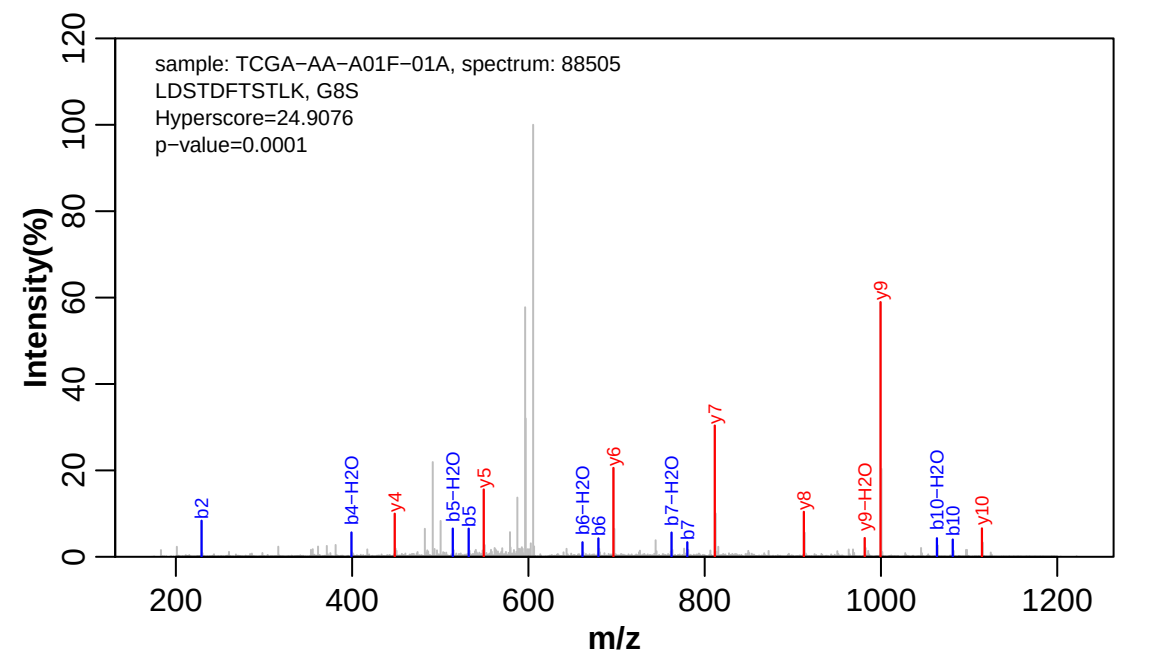

sample: TCGA−AA−A01F−01A, spectrum: 20973
GQTGALLQNTVESLSK, D9N
Hyperscore=51.5916
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y12
b15
y4
y5
y6
b9−NH3

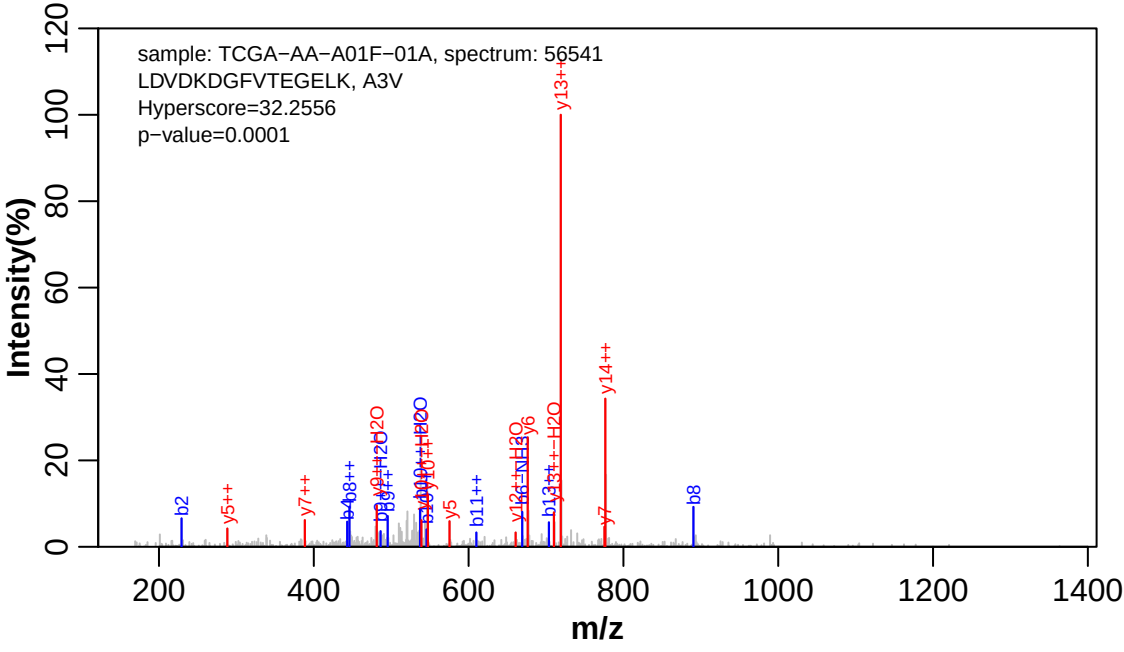

sample: TCGA−AA−A01F−01A, spectrum: 7507
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.6385
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y4
b7−H2O
b7
b8−H2O
b8
y5−NH3
b9−NH3
b9
b9−H2O
y6−NH3
b10−NH3
b10−H2O
b10
y7
y8
b11−H2O
b11
y9
y10

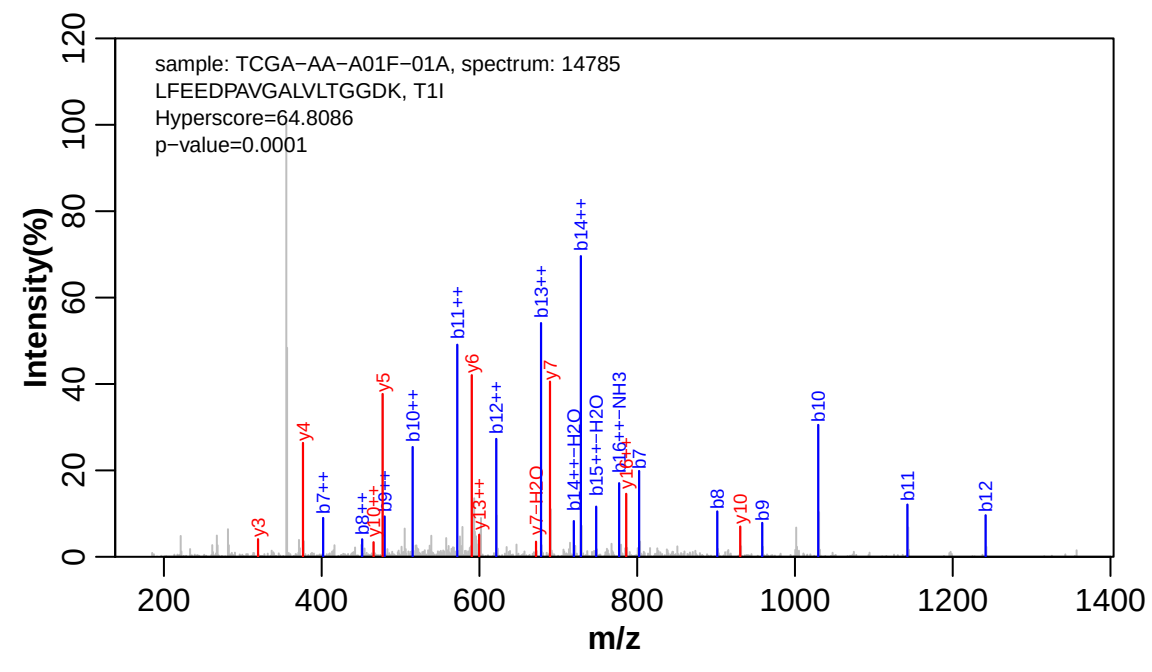

sample: TCGA−AA−A01F−01A, spectrum: 79808
GVALSNVVHK, I8V
Hyperscore=32.6037
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
y2−H2O
y2
b4
y3
b5
y4
y5
b7−NH3
b7
y6−NH3
y6
b8−NH3
b8
y7
y8−H2O
y8
b9

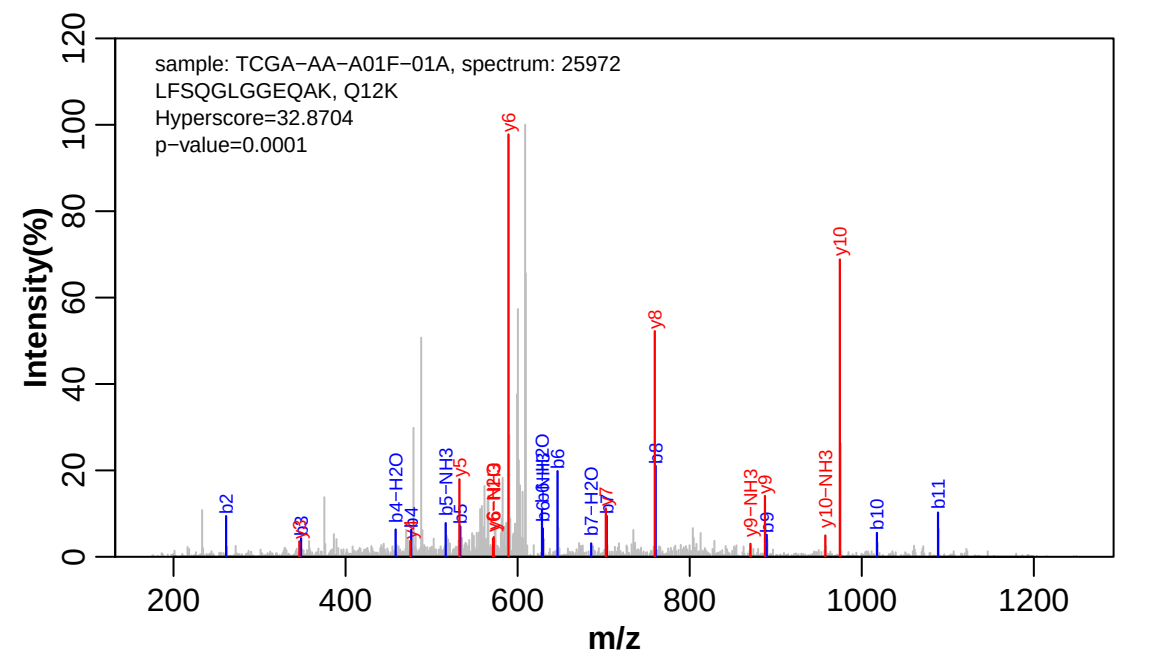

sample: TCGA−AA−A01F−01A, spectrum: 73283
KSVEEYANCHLAR, P2S
Hyperscore=27.4192
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y12++
y2−H2O
b3
y5++
b6++−H2O
y6++
b7++−H2O
b4−NH3
b8++−NH3
y8++
y9++−H2O
y10++
y5
y11++−NH3
y11++
b12++−NH3
y12++−H2O
b6
b7
b8−H2O

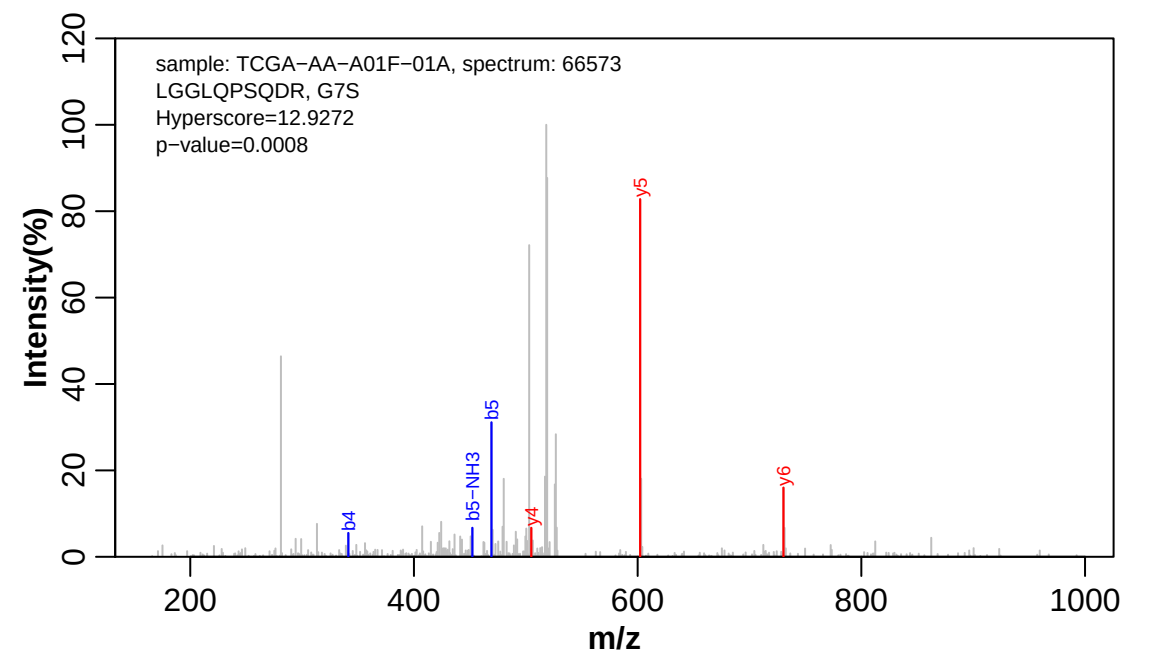

sample: TCGA−AA−A01F−01A, spectrum: 51178
LAGALGPCLSLNVK, V9I
Hyperscore=23.2229
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
m/z
b4
b5
y4−H2O
b6
y5
y6
b9
y8
y9
b11
y10
b13

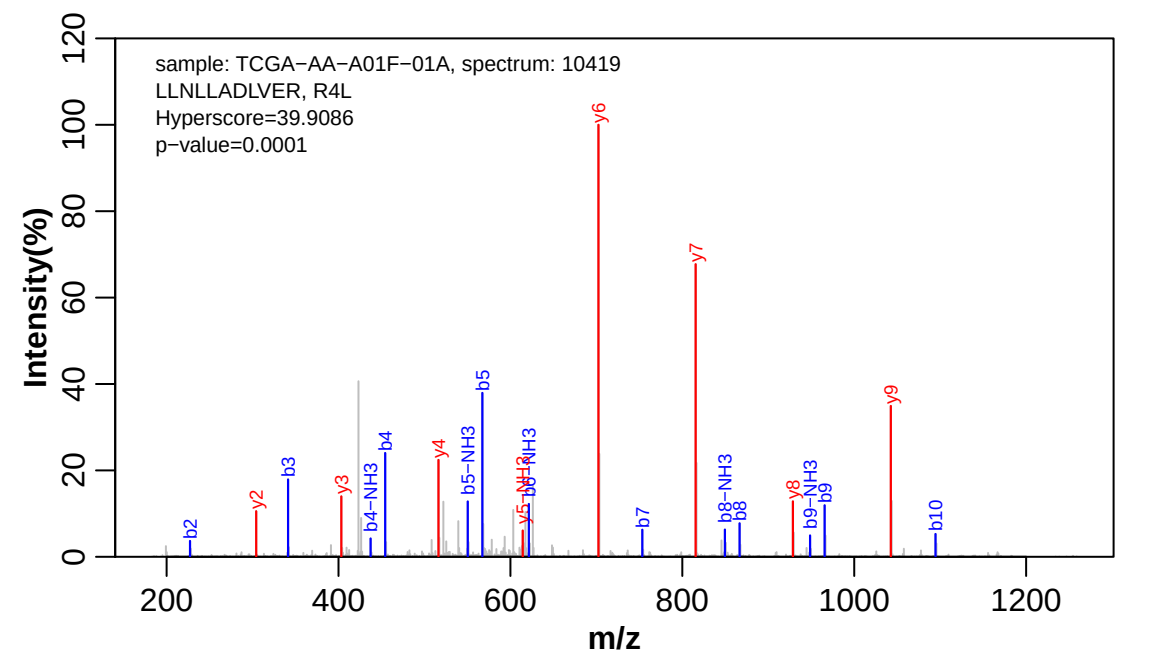

sample: TCGA−AA−A01F−01A, spectrum: 88505
LDSTDFTSTLK, G8S
Hyperscore=24.9076
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9−H2O
y9
b10−H2O
b10
y10

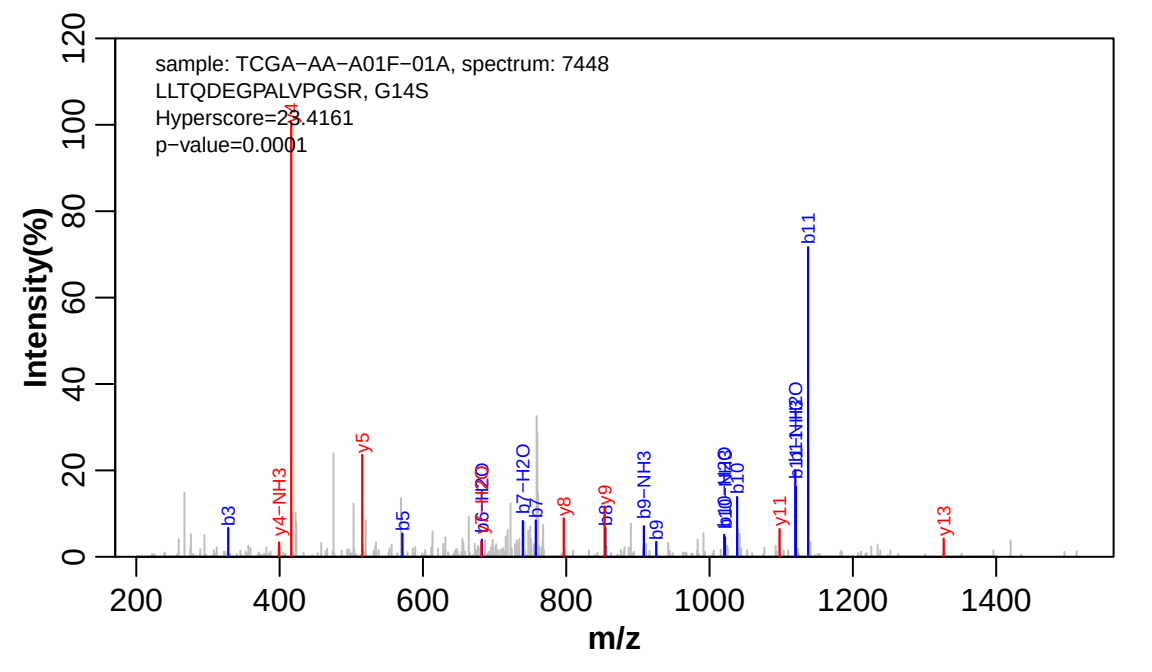

sample: TCGA−AA−A01F−01A, spectrum: 56541
LDVDKDGFVTEGELK, A3V
Hyperscore=32.2556
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y5++
y7++
b8++
y5
b11++
y7
b8
y13++
y14++
y6
y13++−H2O

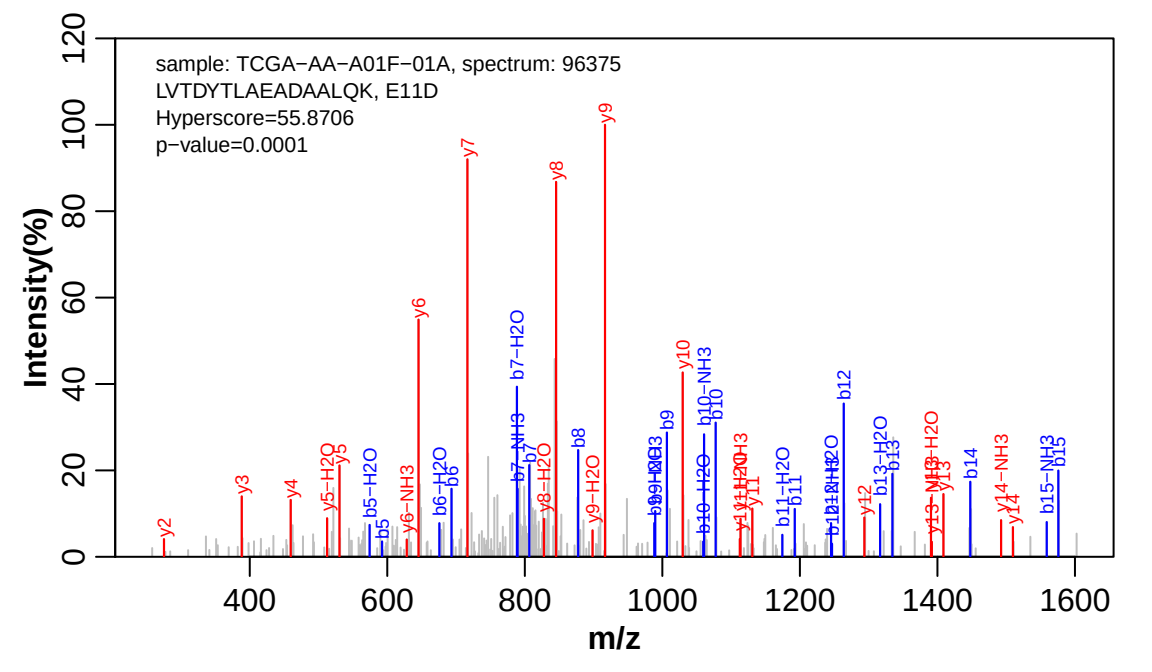

sample: TCGA−AA−A01F−01A, spectrum: 14785
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=64.8086
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
y4
b7++
b8++
y10++
b9++
y5
b10++
b11++
y6
y13++
b12++
b13++
y7
y7−H2O
b14++
b14++−H2O
b15++−H2O
y16++−NH3
y16++
b7
b8
y10
b9
b10
b11
b12

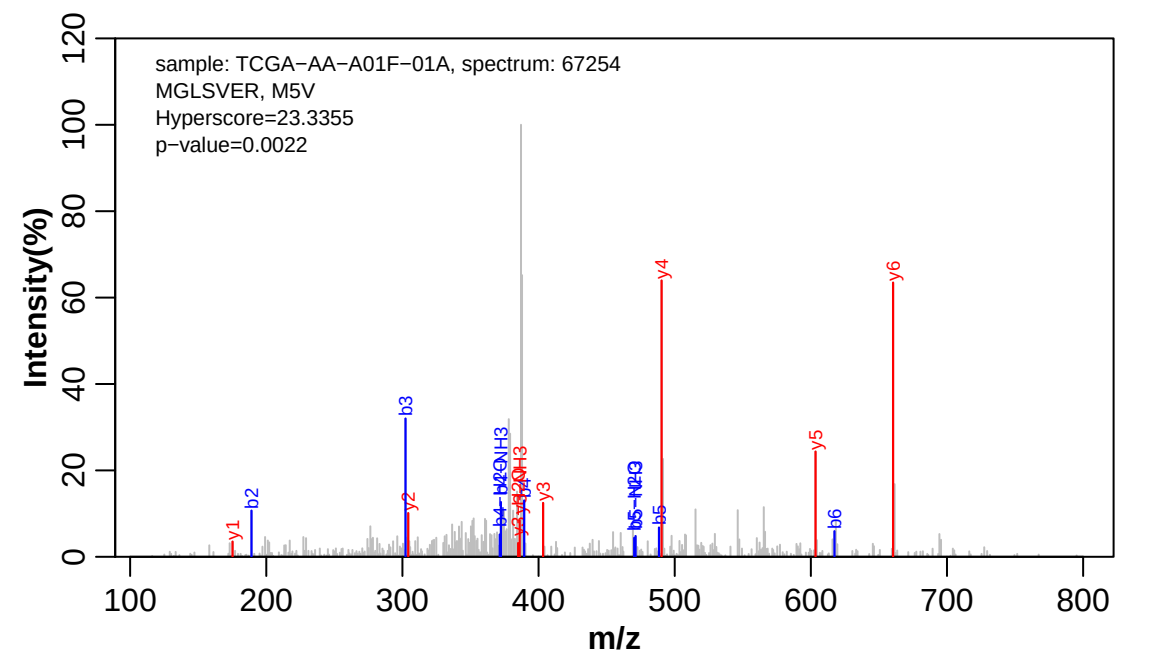

sample: TCGA−AA−A01F−01A, spectrum: 25972
LFSQGLGGEQAK, Q12K
Hyperscore=32.8704
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y10
y8
b8
b2
b4−H2O
b5−NH3
b5
y5
b6
b7−H2O
b7
y9−NH3
y9
y10−NH3
b10
b11

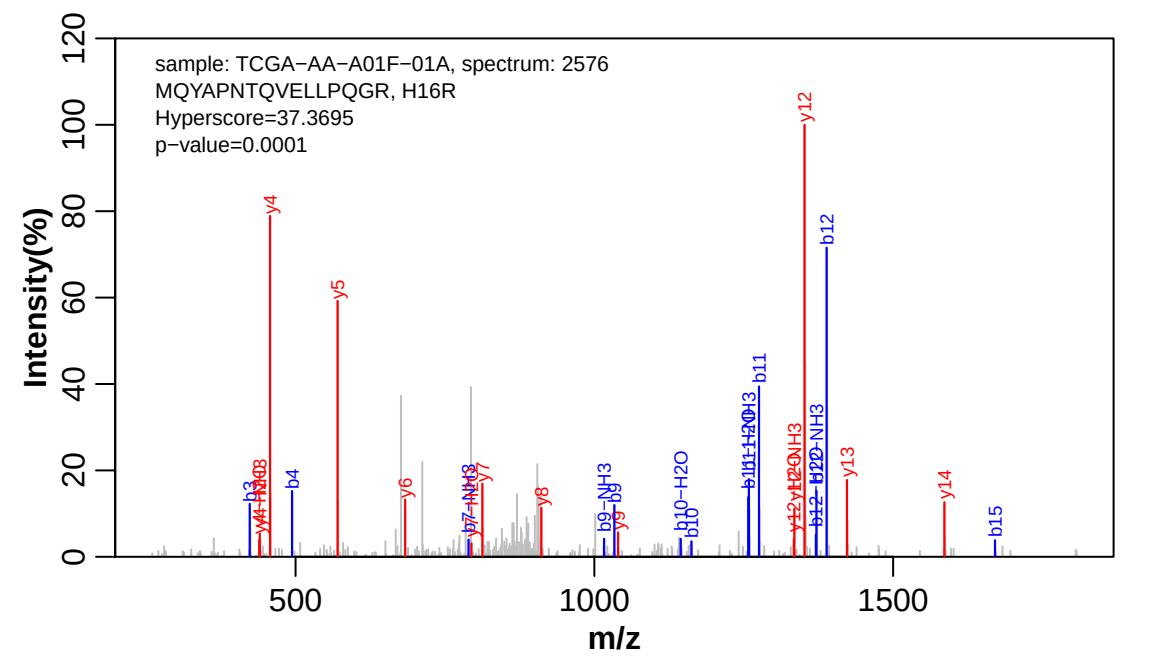

sample: TCGA−AA−A01F−01A, spectrum: 66573
LGGLQPSQDR, G7S
Hyperscore=12.9272
p−value=0.0008
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b4
b5−NH3
b5
y4
y5
y6

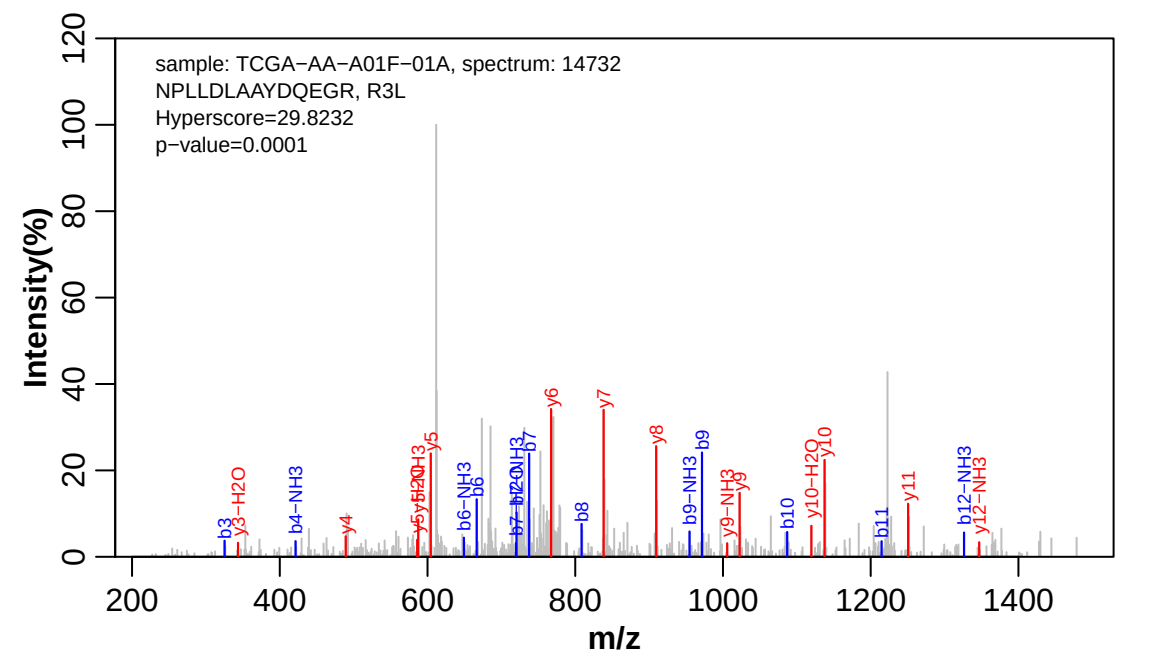

sample: TCGA−AA−A01F−01A, spectrum: 10419
LLNLLADLVER, R4L
Hyperscore=39.9086
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
y5
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

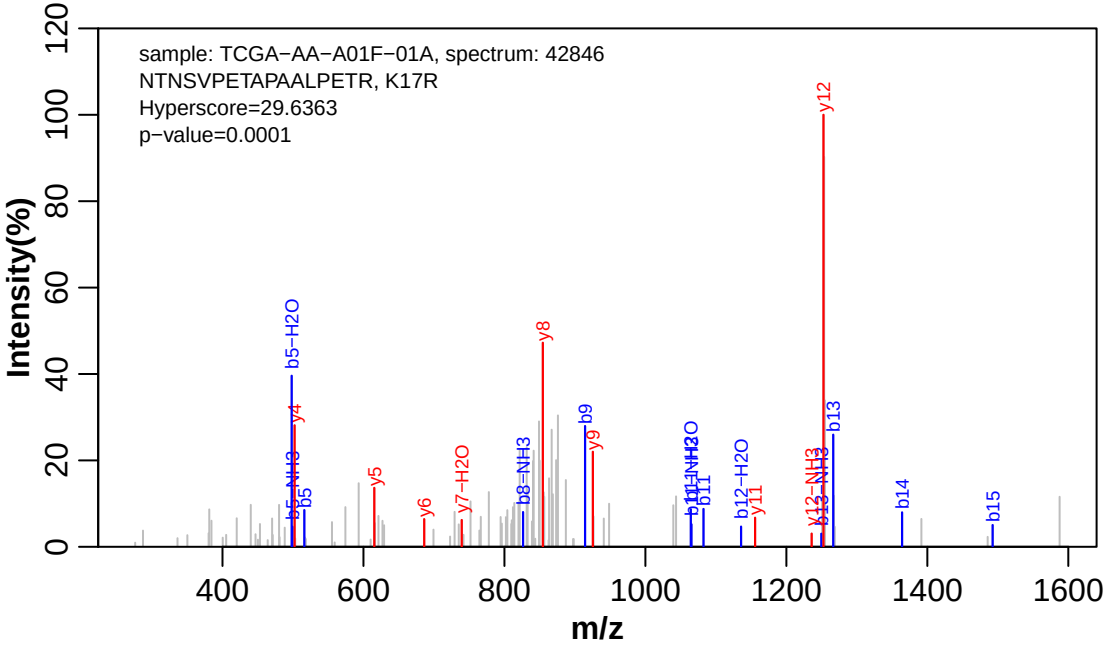

sample: TCGA−AA−A01F−01A, spectrum: 7448
LLTQDEGPALVPGSR, G14S
Hyperscore=23.4161
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
y4−NH3
b3
y5
b5
b6−H2O
b6
b7−H2O
b7
y8
b8
b9
b9−NH3
b9
b10
y11
b11
b11−NH3
b11−H2O
y13

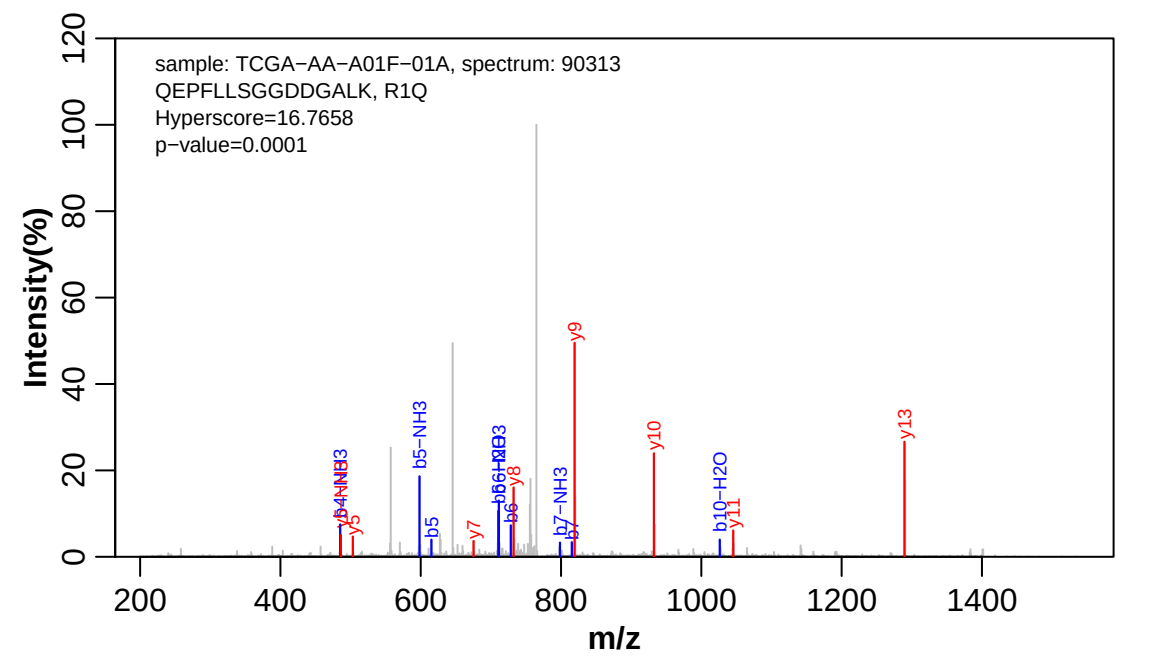

sample: TCGA−AA−A01F−01A, spectrum: 96375
LVTDYTLAEADAALQK, E11D
Hyperscore=55.8706
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600
y2
y3
y4
y5−H2O
y5
b5−H2O
b5
y6−NH3
y6
b6−H2O
b6
y7
b7−H2O
b7−NH3
b7
y8−H2O
y8
b8
y9−H2O
y9
b9
b10−H2O
b10−NH3
b10
y10
y11−H2O−NH3
y11
b11−H2O
b11
b12
b13−H2O
b13
y12
y13−NH3−H2O
y13
b14
y14−NH3
y14
b15−NH3
b15

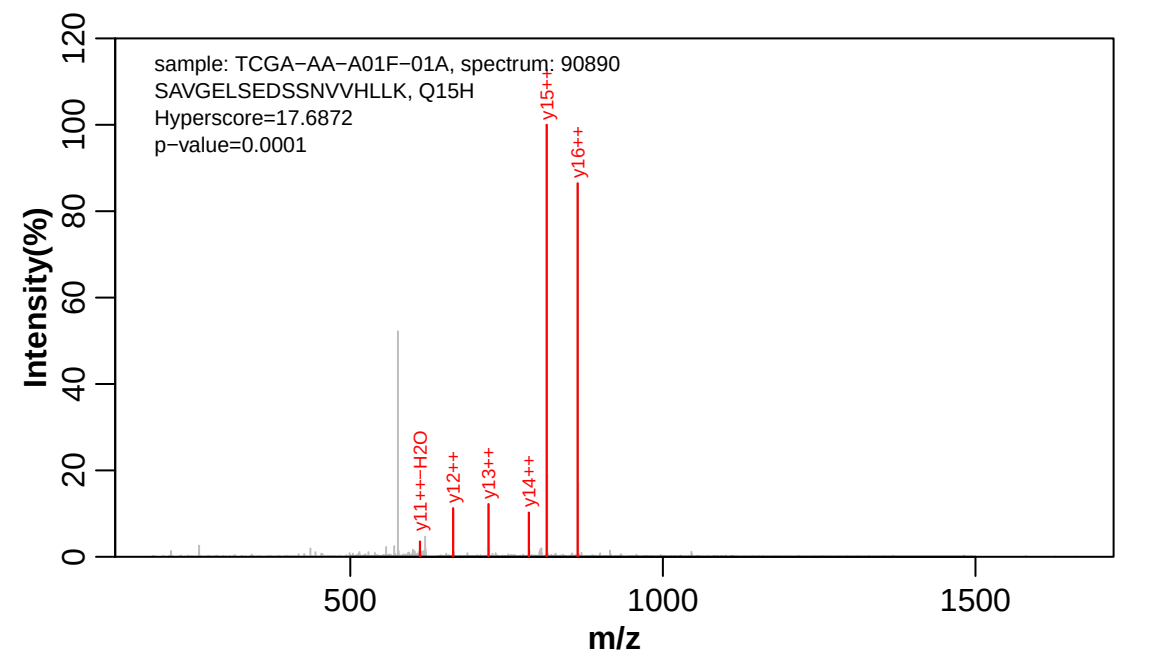

sample: TCGA−AA−A01F−01A, spectrum: 67254
MGLSVER, M5V
Hyperscore=23.3355
p−value=0.0022
Intensity(%)
m/z
y1
b2
b3
y2
y3
y4
y5
b6
y6
b5
0
20
40
60
80
100
120
100
200
300
400
500
600
700
800

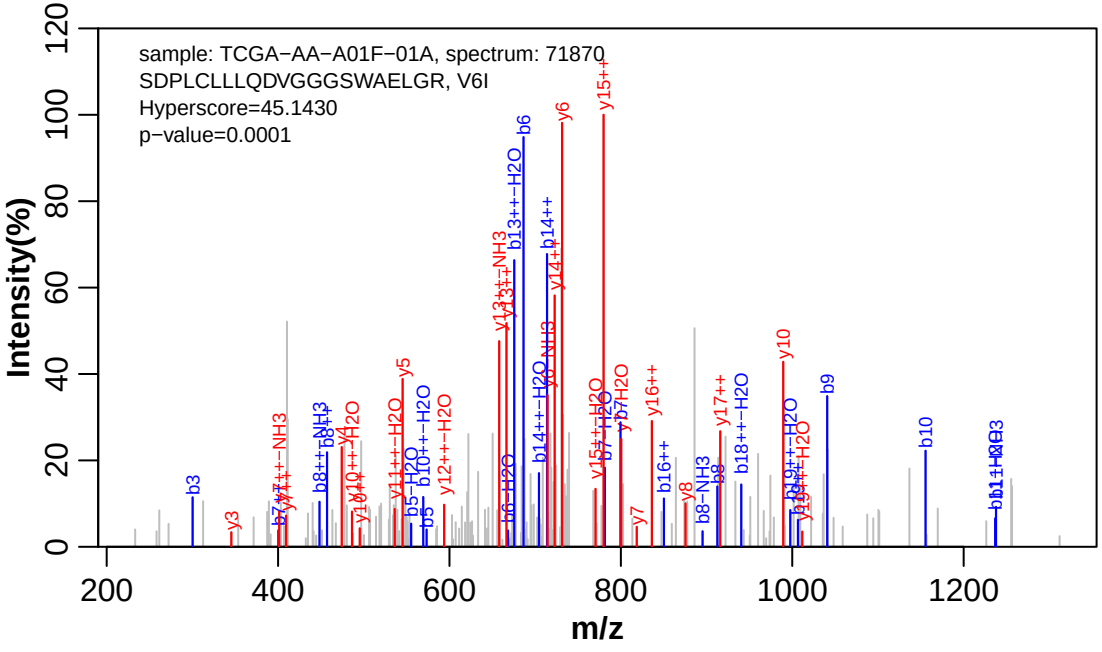

sample: TCGA−AA−A01F−01A, spectrum: 2576
MQYAPNTQVELLPQGR, H16R
Hyperscore=37.3695
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y8
y9
y12
y13
y14
b3
b4
b9−NH3
b10−H2O
b11
b12
b15

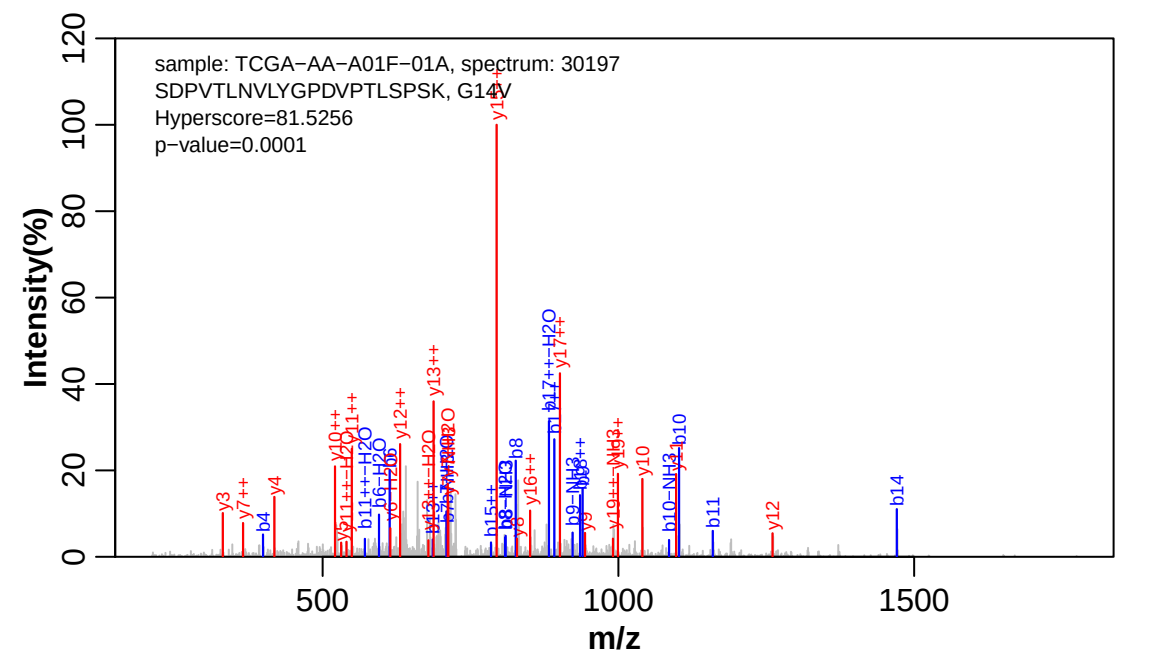

sample: TCGA−AA−A01F−01A, spectrum: 14732
NPLLDLAAYDQEGR, R3L
Hyperscore=29.8232
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3−H2O
b4−NH3
y4
y5−H2O
y5−NH3
y5
b6−NH3
b6
b7−H2O
b7−NH3
b7
y6
b8
y7
y8
b9−NH3
b9
y9−NH3
y9
b10
y10−H2O
y10
b11
y11
b12−NH3
y12−NH3

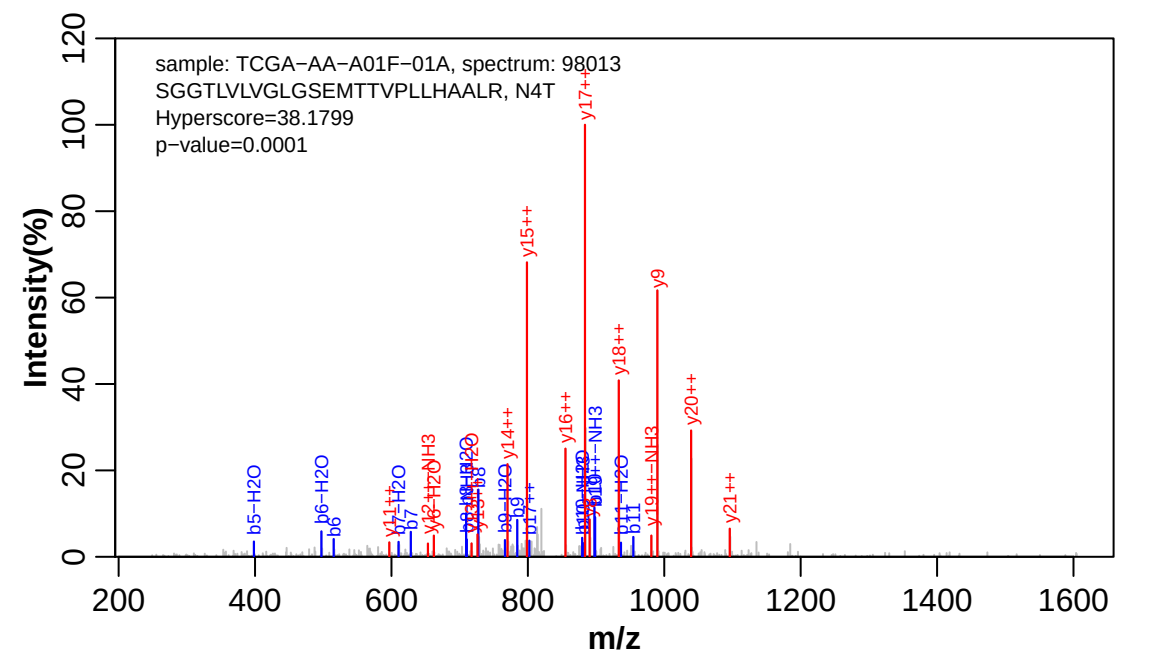

sample: TCGA−AA−A01F−01A, spectrum: 42846
NTNSVPETAPAALPETR, K17R
Hyperscore=29.6363
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600
b5−H2O
y4
b5−NH3
b5
y5
y6
y7−H2O
b8−NH3
y8
b9
y9
b11−NH3
b11−H2O
b11
b12−H2O
y11
y12
y12−NH3
b13−NH3
b13
b14
b15

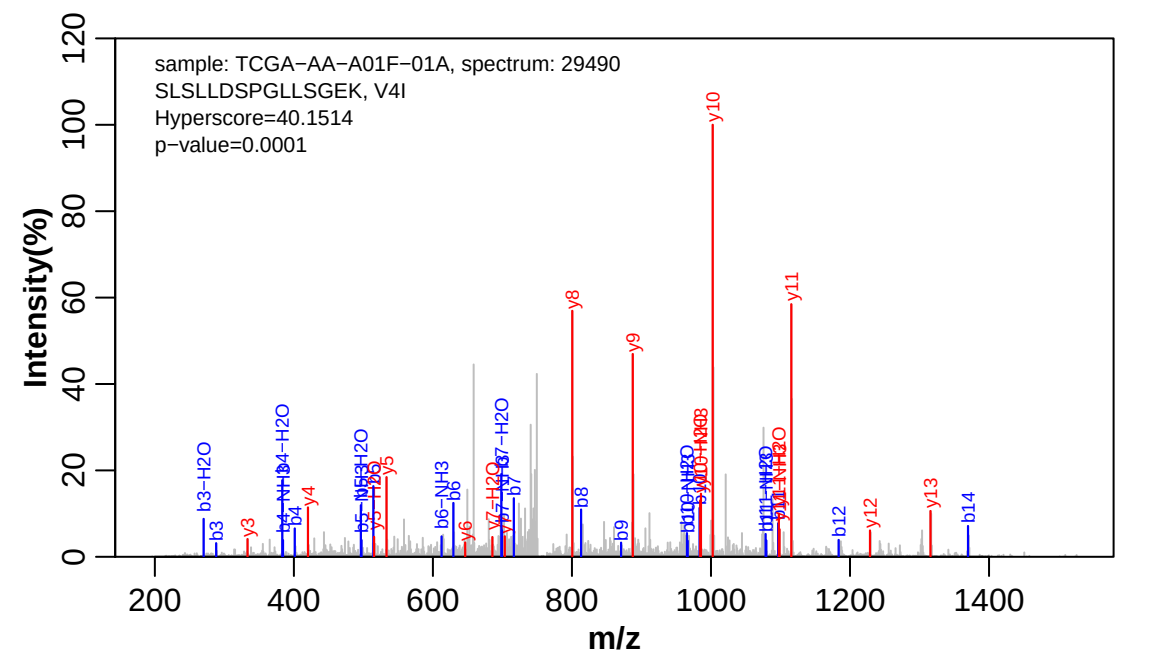

sample: TCGA−AA−A01F−01A, spectrum: 90313
QEPFLLSGGDDGALK, R1Q
Hyperscore=16.7658
p−value=0.0001
Intensity(%)
m/z
y9
y10
y13
b5−NH3
b5
y7
y8
b7−NH3
b10−H2O
y11
y5
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

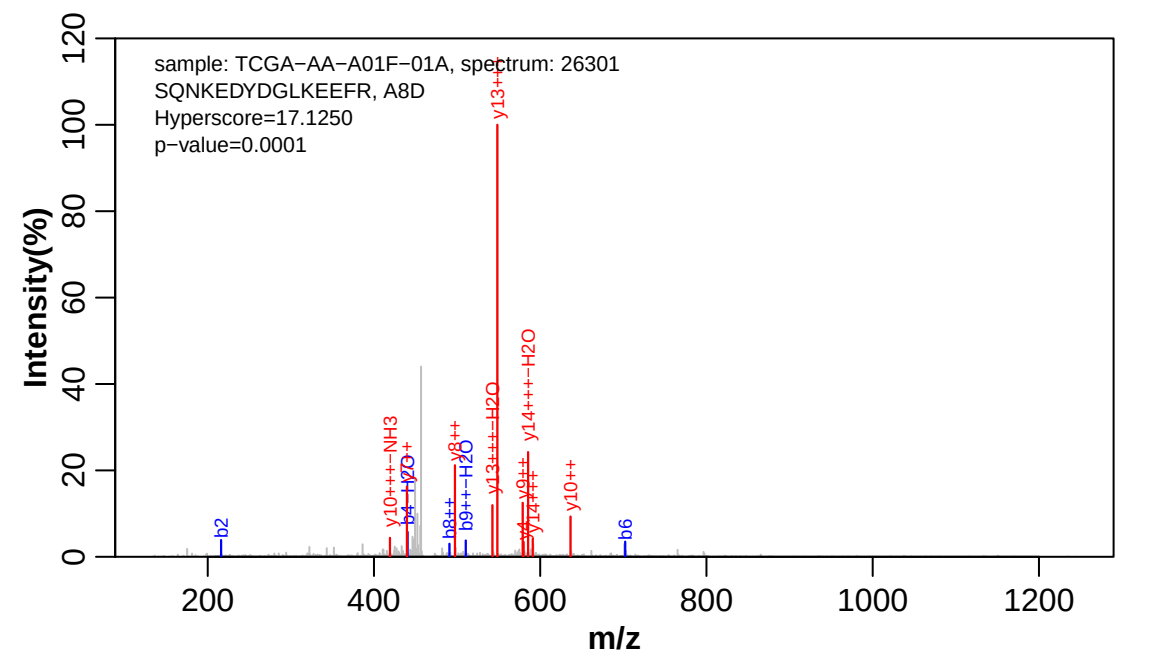

sample: TCGA−AA−A01F−01A, spectrum: 90890
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.6872
p−value=0.0001
y15++
y16++
y11++−H2O
y12++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

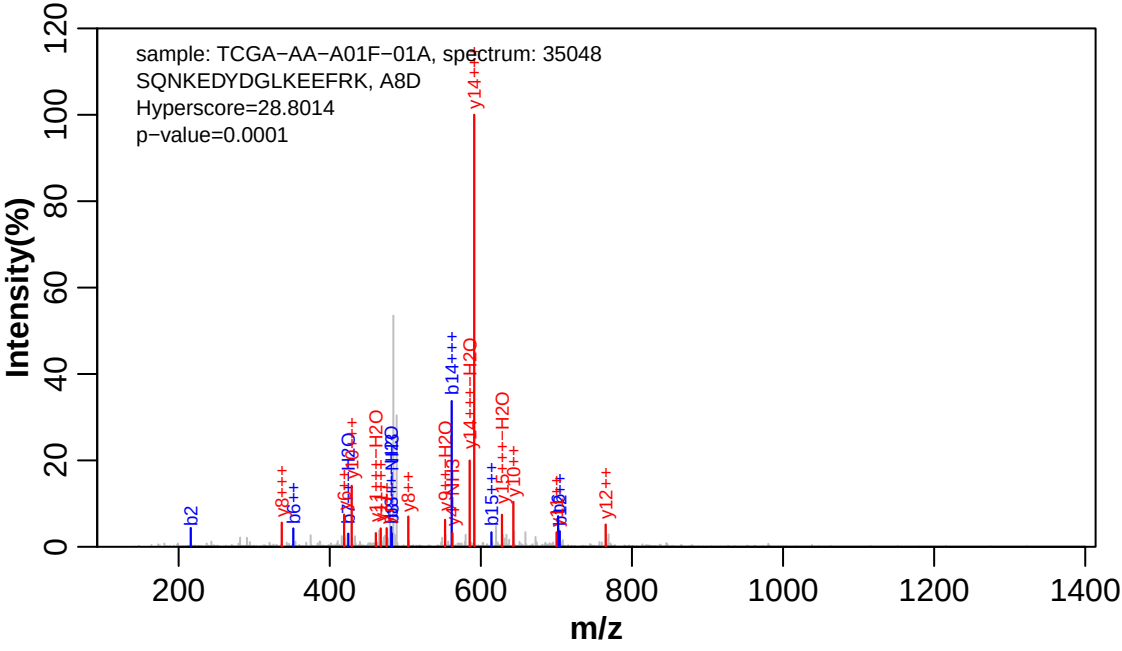

sample: TCGA−AA−A01F−01A, spectrum: 71870
SDPLCLLLQDVGGGSWAELGR, V6I
Hyperscore=45.1430
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
y3
b7++−NH3
y7++−NH3
b8++−NH3
y4
y10++−H2O
y11++−H2O
y5
b5−H2O
b10++−H2O
b5
y12++−H2O
b6−H2O
y13++−NH3
y13++
b13++−H2O
b6
y6
b14++−H2O
y8−NH3
b14++
y14++
y15++
y15++−H2O
b7−H2O
y7H2O
y7
y16++
b16++
y8
b8−NH3
b8
y17++
b18++−H2O
y10
b19++−H2O
y19++−H2O
b9
b10
b11++−H2O
b11++

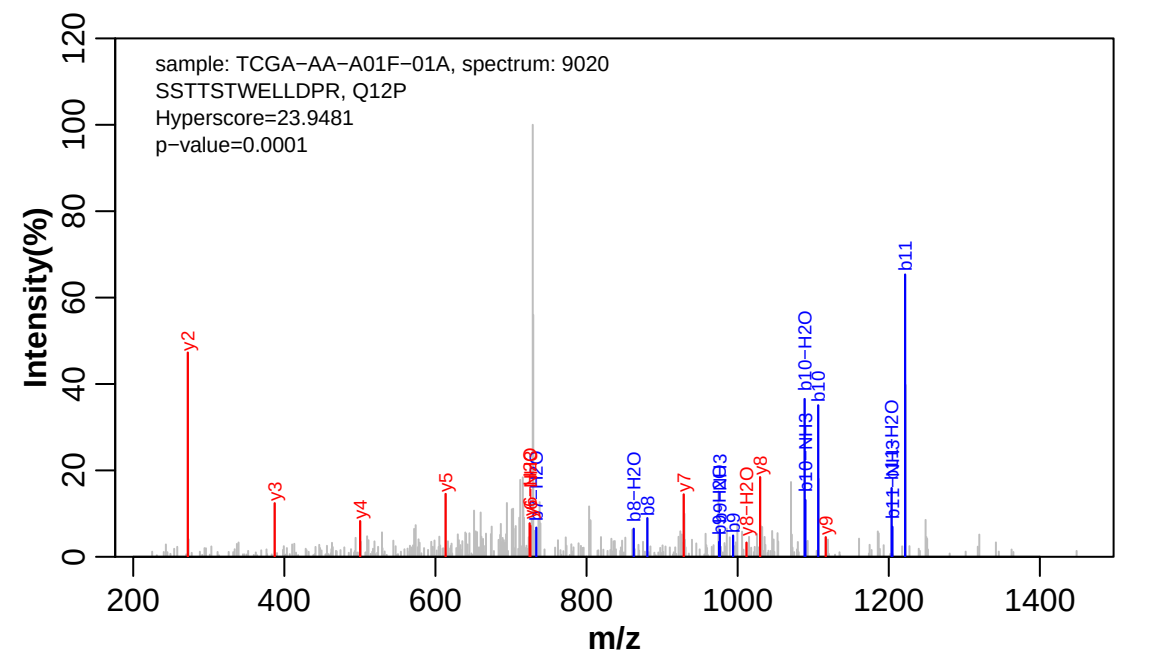

sample: TCGA−AA−A01F−01A, spectrum: 30197
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=81.5256
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y15++
y3
y7++
b4
y4
y10++
y11++−H2O
y11++
b11++−H2O
b6−H2O
y8−H2O
y12++
y13++
b12++−H2O
b17++−H2O
y17++
b15++
b8−NH3
b8
y16++
b9−NH3
y9
y19++−NH3
y10
b10−NH3
b10
b11
y12
b14

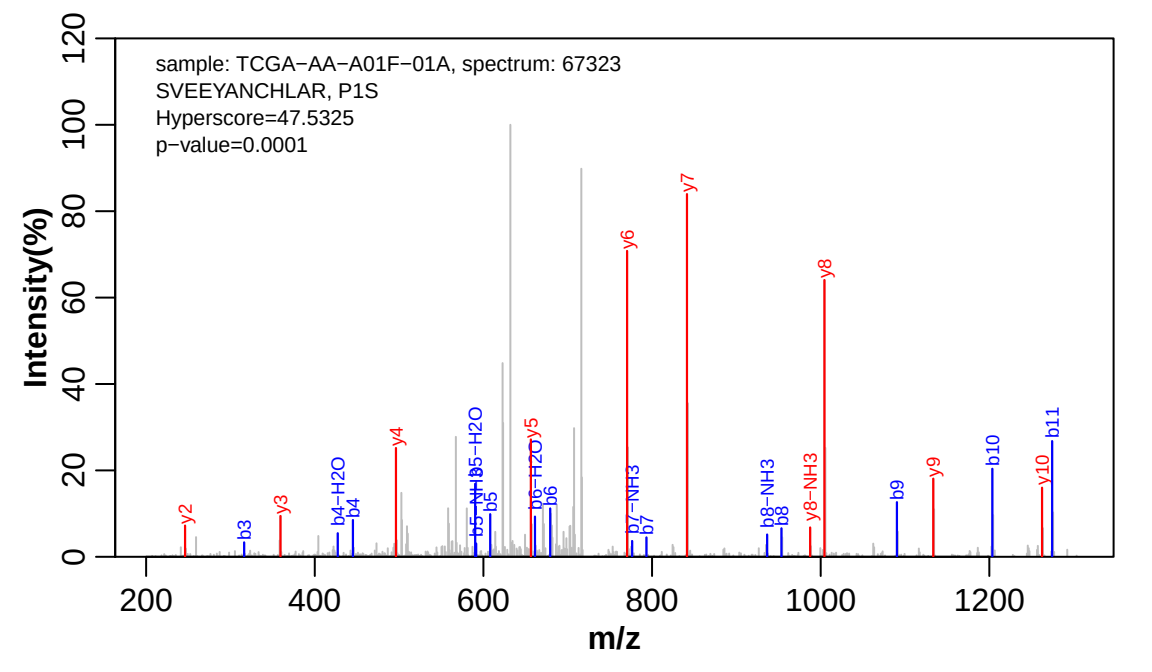

sample: TCGA−AA−A01F−01A, spectrum: 98013
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=38.1799
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b5−H2O
b6−H2O
b6
y11++
b7
y7−H2O
y8−H2O−NH3
y14++
b9−H2O
b9
b17++
y15++
y16++
y17++
y18++
y9
y20++
y19++−NH3
b11−H2O
b11
y21++

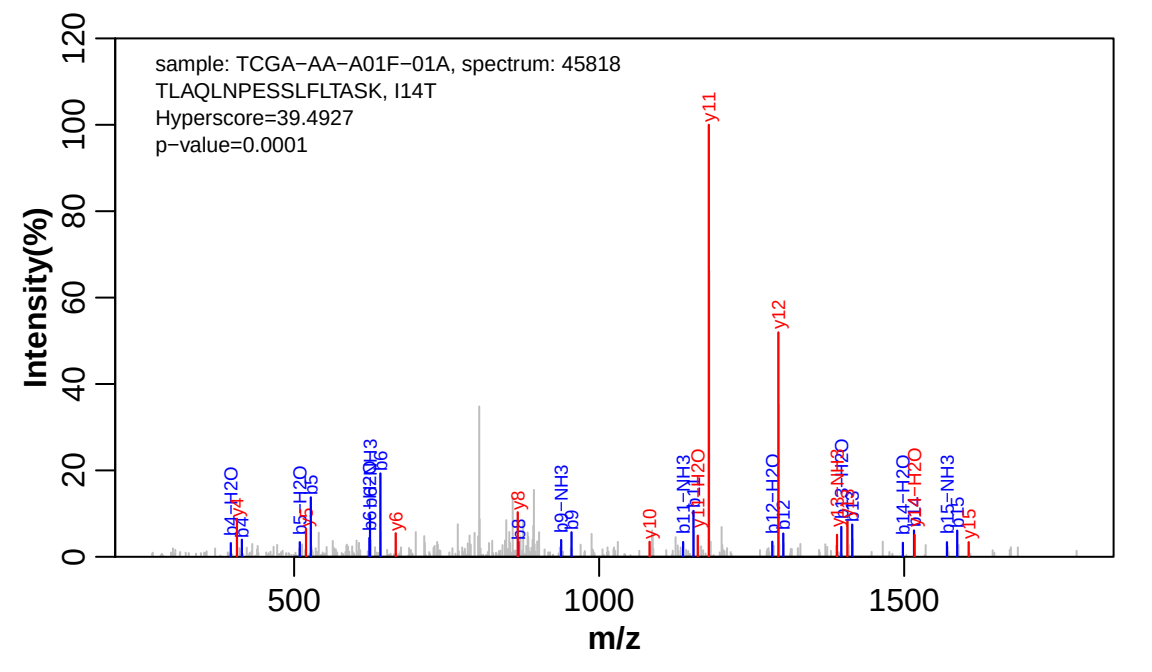

sample: TCGA−AA−A01F−01A, spectrum: 29490
SLSLLDSPGLLSGEK, V4I
Hyperscore=40.1514
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
y3
b4−NH3
b4−H2O
b4
y4
b5−NH3
b5−H2O
y5−H2O
y5
b6−NH3
b6
y6
y7−H2O
y7
b7−H2O
b7
y8
b8
y9
b9
y10
b12
y11
y12
y13
b14

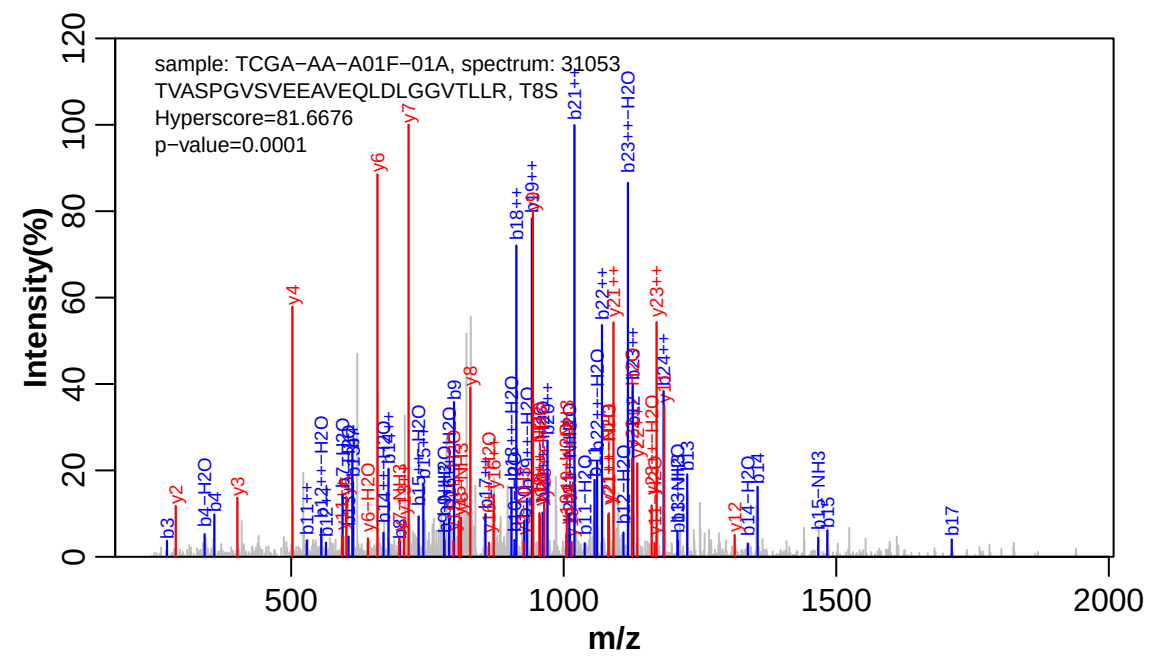

sample: TCGA−AA−A01F−01A, spectrum: 26301
SQNKEDYDGLKEEFR, A8D
Hyperscore=17.1250
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y13++
y10+++−NH3
b4−H2O+
y8++
b8++
b9++−H2O
y13+++−H2O
y14+++−H2O
y14+++
y9++
y10++
b2
b6

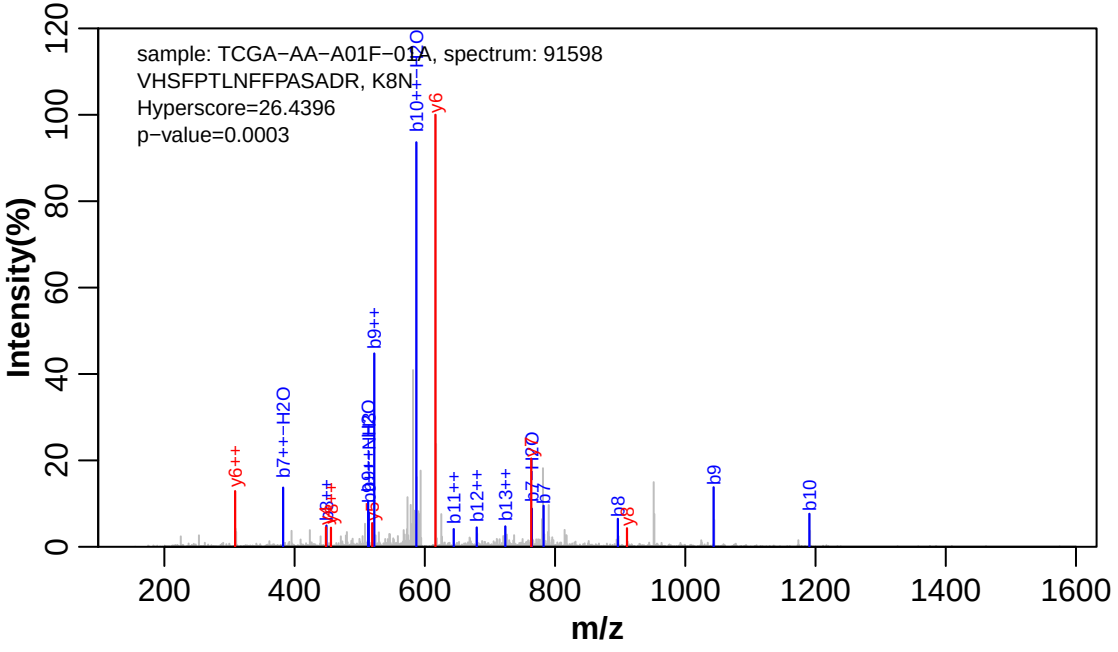

sample: TCGA−AA−A01F−01A, spectrum: 35048
SQNKEDYDGLKEEFRK, A8D
Hyperscore=28.8014
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y8+++
b6++
y8++
b14+++
y14+++−H2O
y14++
y14+++
b15++
y12++

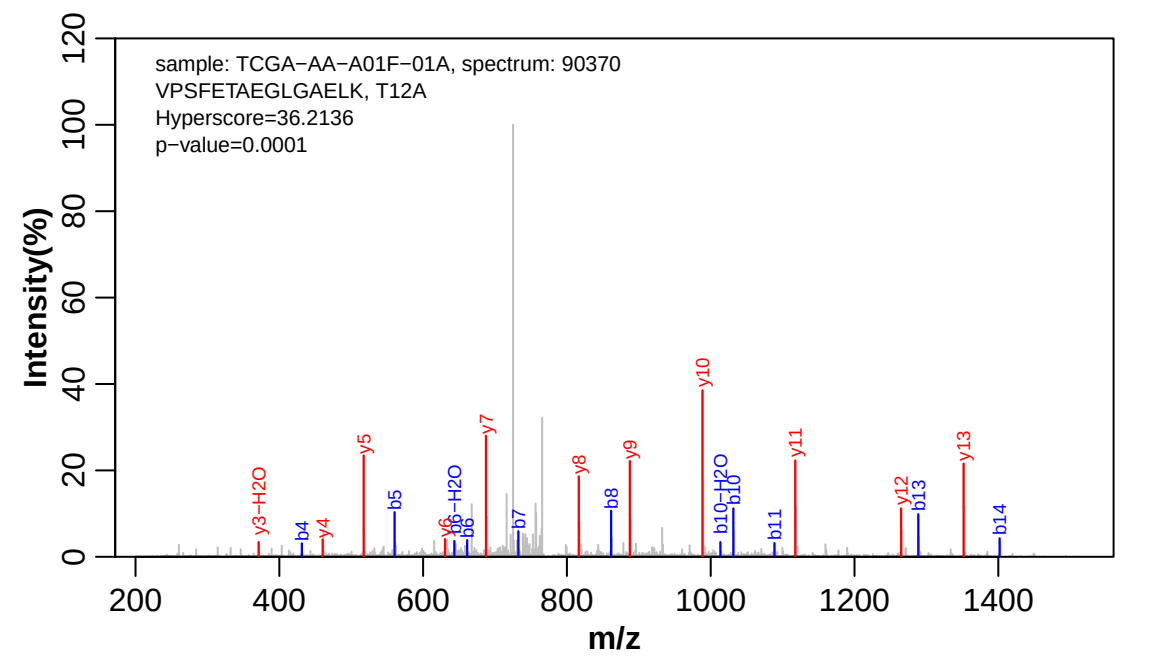

sample: TCGA−AA−A01F−01A, spectrum: 9020
SSTTSTWELLDPR, Q12P
Hyperscore=23.9481
p−value=0.0001
Intensity(%)
m/z
y2
y3
y4
y5
y6−H2O
y7
b8−H2O
b8
y8
y8−H2O
b10−H2O
b10
b11
y9

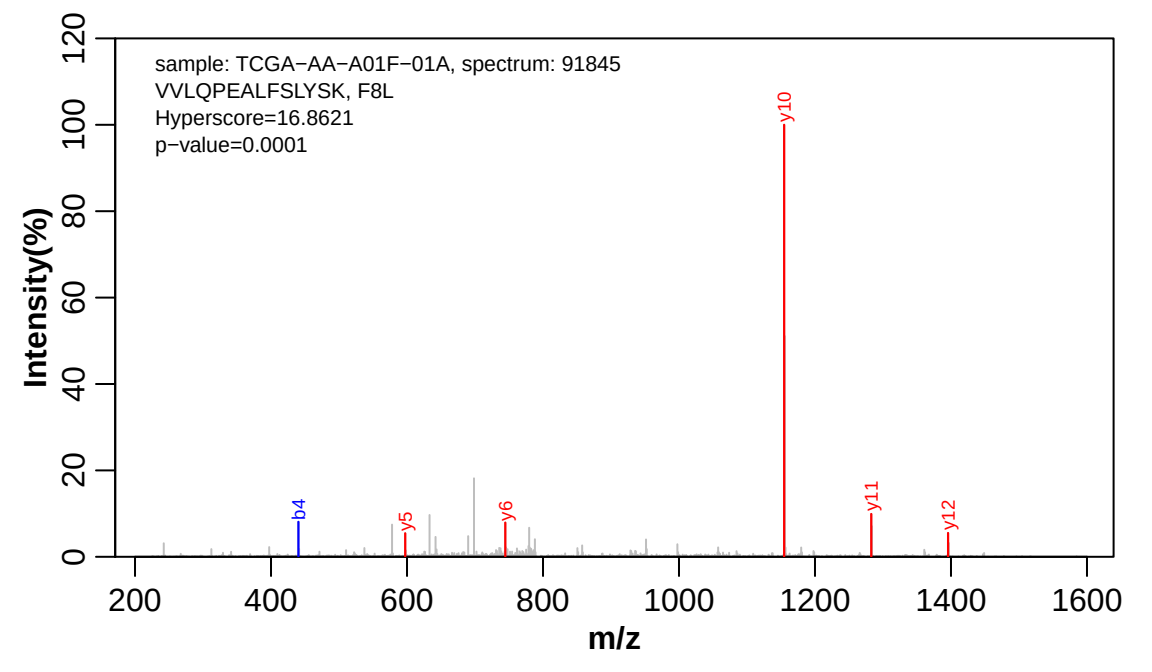

sample: TCGA−AA−A01F−01A, spectrum: 67323
SVEEYANCHLAR, P1S
Hyperscore=47.5325
p−value=0.0001
Intensity(%)
m/z
y2
b3
y3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−H2O
b6
b7−NH3
y6
b7
y7
b8−NH3
b8
y8−NH3
y8
b9
y9
b10
y10
b11

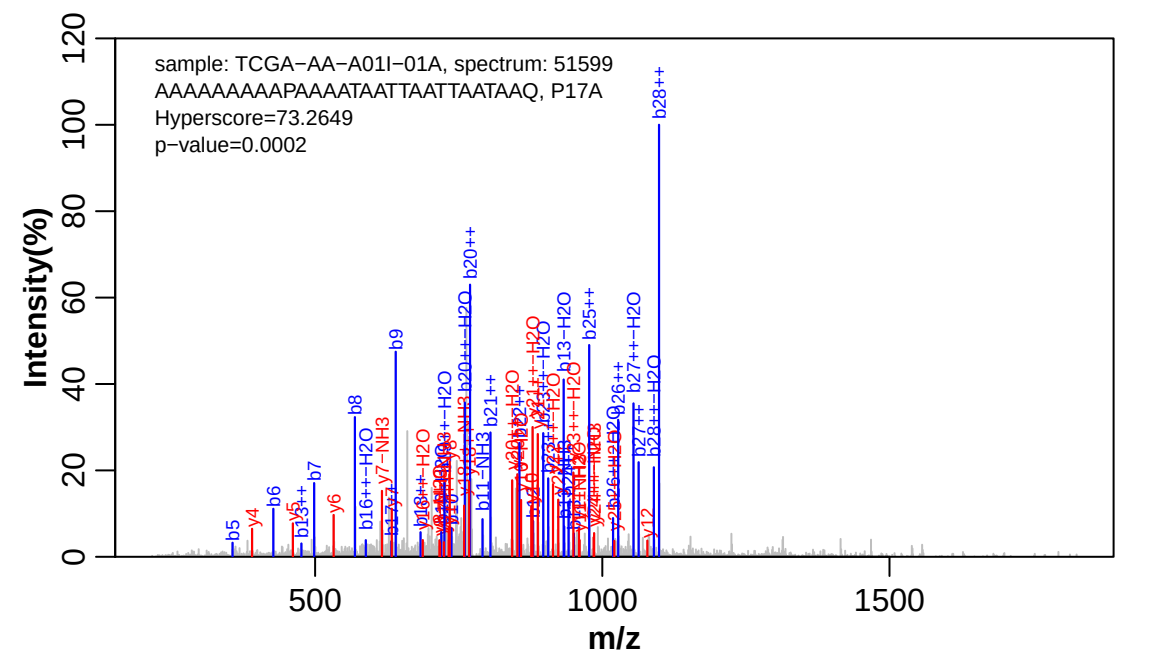

sample: TCGA−AA−A01F−01A, spectrum: 45818
TLAQLNPESSLFLTASK, I14T
Hyperscore=39.4927
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11
y12
y10
y8
y6
b4
b4-H2O
b5
b5-H2O
b6
b6-NH3
b8-NH3
b9
b11-NH3
b11
y11-H2O
b12-H2O
b12
b13
b14-H2O
b15-NH3
b15
y15

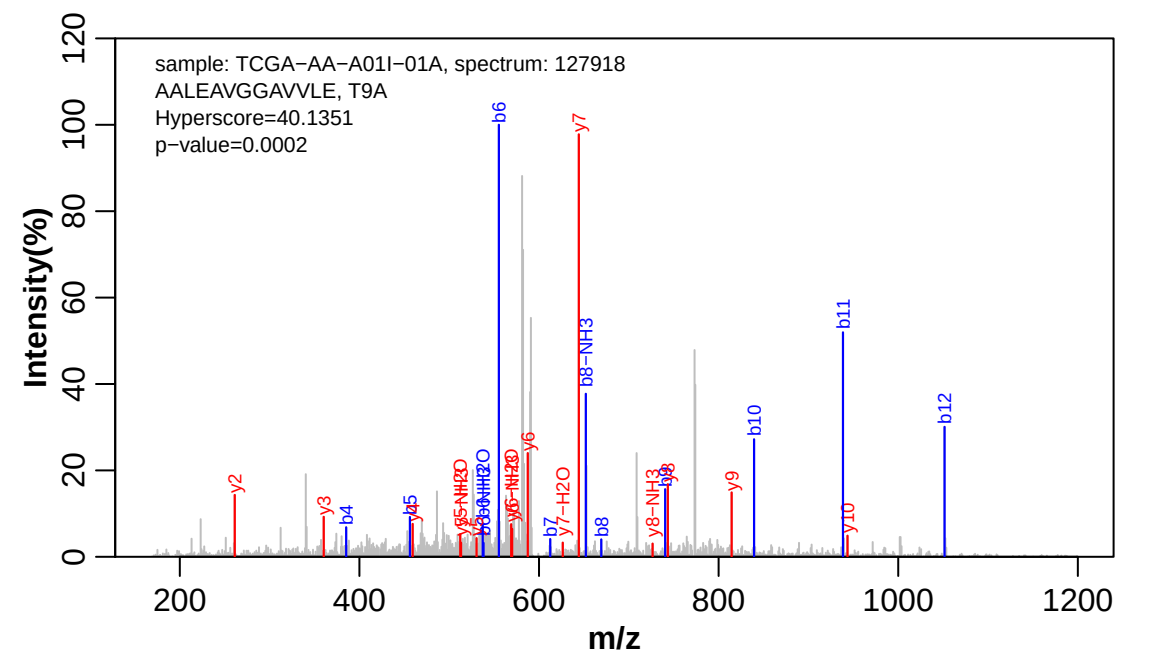

sample: TCGA−AA−A01F−01A, spectrum: 31053
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=81.6676
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y2
b4−H2O
b4
y3
y4
b11++
b12++−H2O
y6
y6−H2O
y7
y7−NH3
b15−H2O
b9
y8
b18++
y9++
b21++
b23++−H2O
b22++
y21++
y23++
b11−H2O
b12−H2O
b13
y12
b14−H2O
b14
b15−NH3
b15
b17

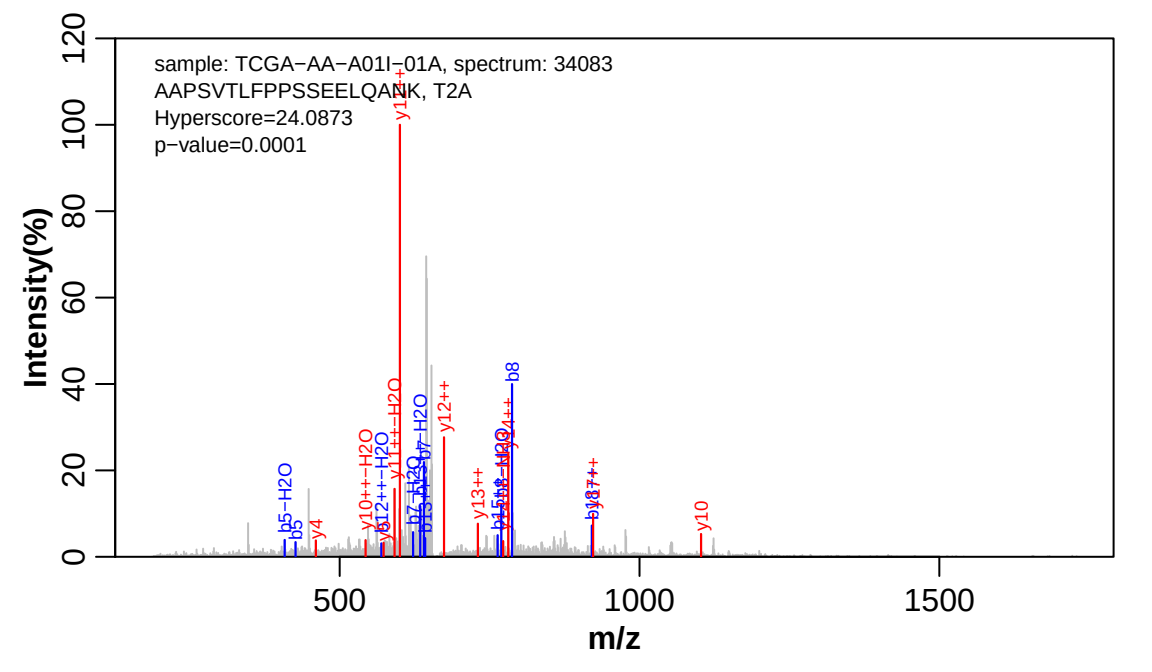

sample: TCGA−AA−A01F−01A, spectrum: 91598
VHSFPTLNFFPASADR, K8N
Hyperscore=26.4396
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6++
b7++−H2O
b9++
b10++−H2O
y6
b11++
b12++
b13++
b7++H2O
b7
b8
y8
b9
b10

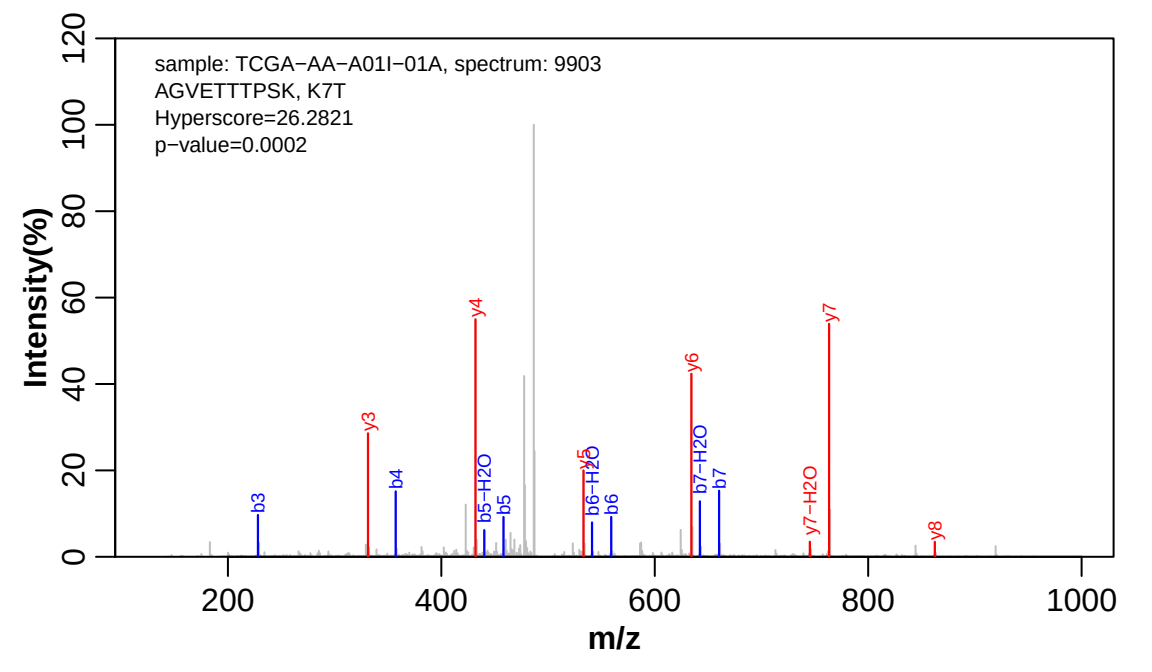

sample: TCGA−AA−A01F−01A, spectrum: 90370
VPSFETAEGLGAELK, T12A
Hyperscore=36.2136
p−value=0.0001
Intensity(%)
m/z
y3−H2O
b4
y4
y5
b5
y6
b6−H2O
b6
y7
b7
y8
b8
y9
y10
b10−H2O
b10
b11
y11
y12
b13
y13
b14

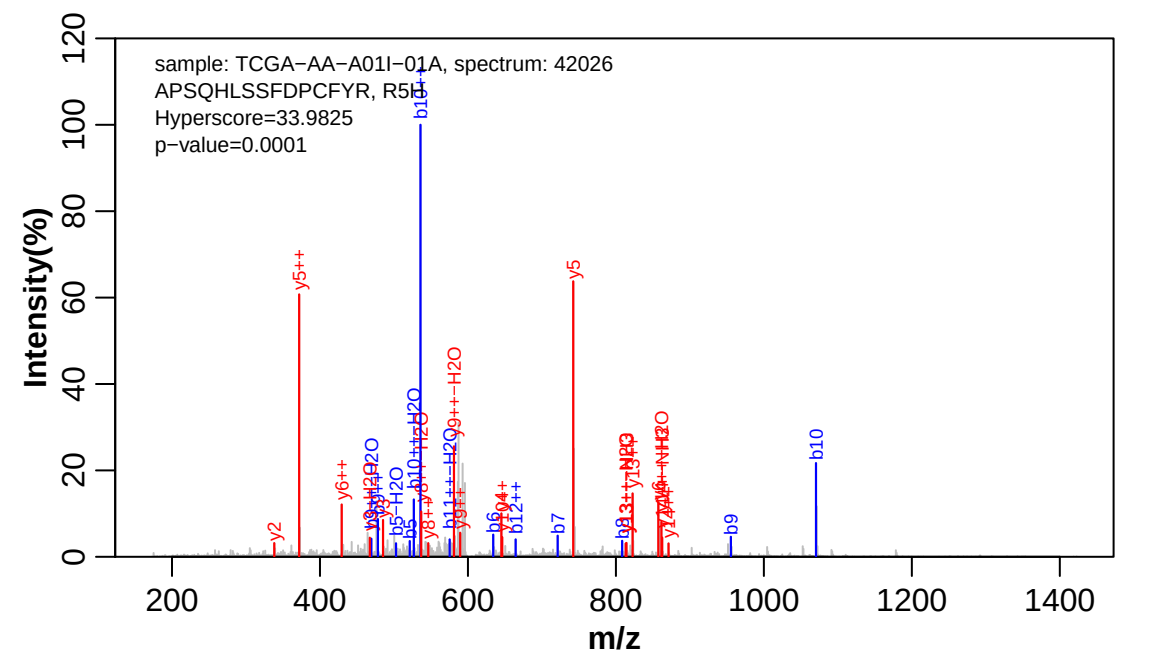

sample: TCGA−AA−A01F−01A, spectrum: 91845
VVLQPEALFSLYSK, F8L
Hyperscore=16.8621
p−value=0.0001
b4
y5
y6
y10
y11
y12
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

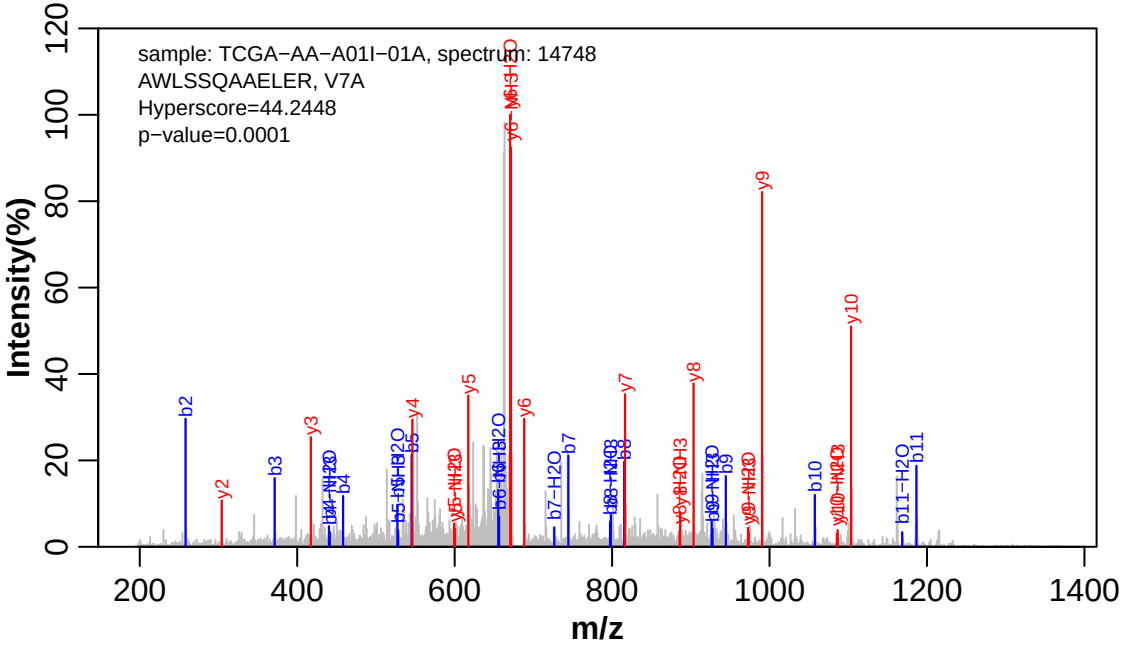

sample: TCGA−AA−A01I−01A, spectrum: 51599
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=73.2649
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b20++
b9
b8
b7
b6
b5
y4
y6
b25++
b27++−H2O
b28++−H2O
b20++−H2O
b16++−H2O
b13−H2O
b11−NH3
b21++
y7−NH3
y12

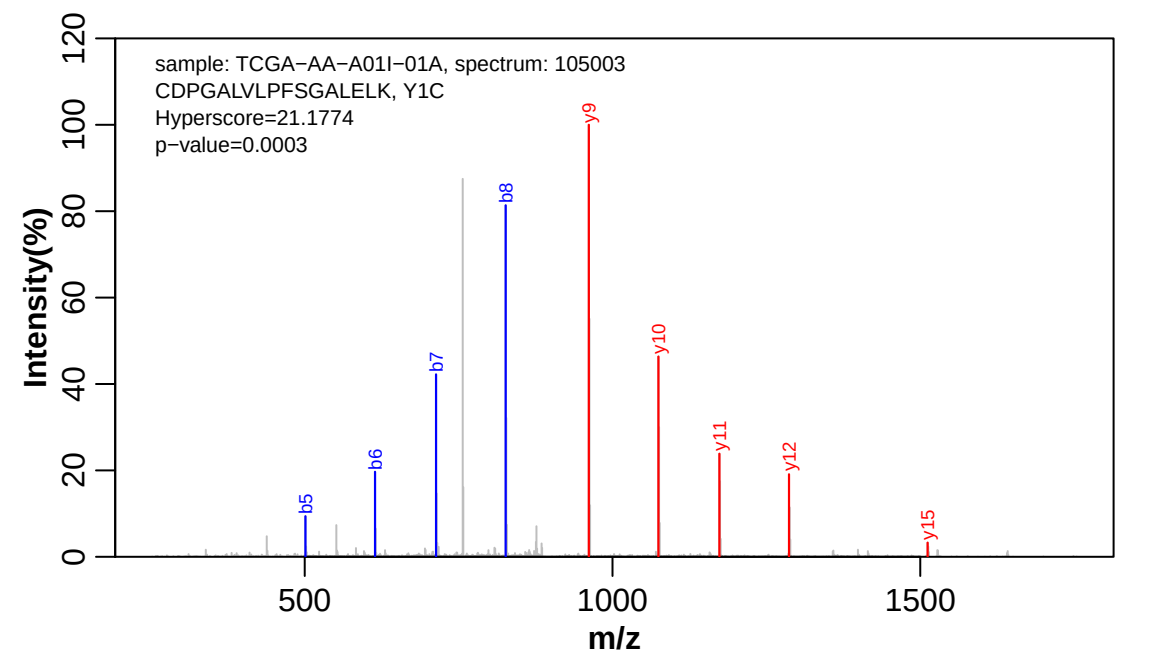

sample: TCGA−AA−A01I−01A, spectrum: 127918
AALEAVGGAVVLE, T9A
Hyperscore=40.1351
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b6
y7
b8−NH3
b11
b10
b12
y2
y3
b4
y5
y6
b7
y7−H2O
b8
y8−NH3
y9
y10

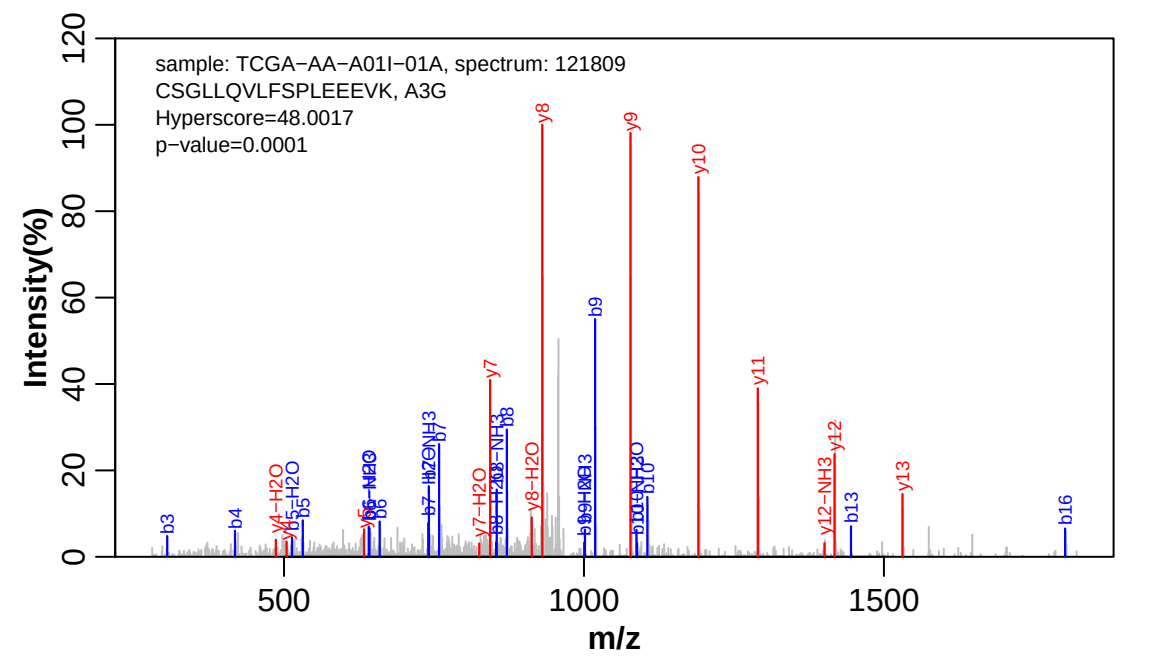

sample: TCGA−AA−A01I−01A, spectrum: 34083
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=24.0873
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
b8
y12++
y10++−H2O
y11++−H2O
y12++−H2O
b5−H2O
b5
y4
y13++
b7−H2O
b8−H2O
y10
b8++
y12++
y10

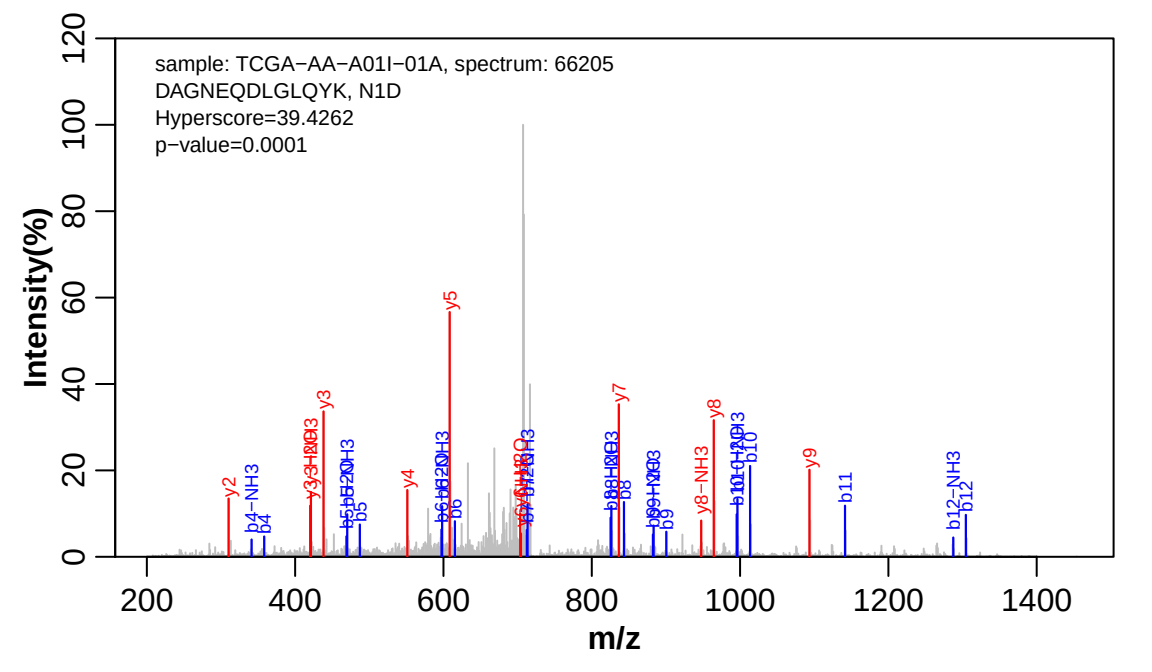

sample: TCGA−AA−A01I−01A, spectrum: 9903
AGVETTTPSK, K7T
Hyperscore=26.2821
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7−H2O
y7
y8

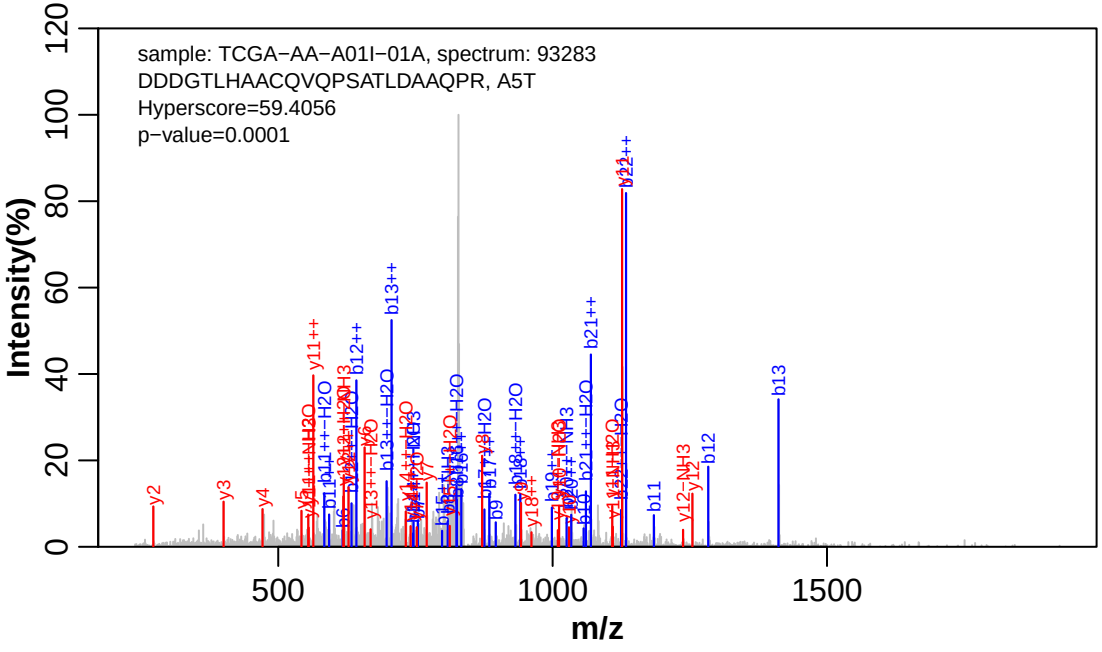

sample: TCGA−AA−A01I−01A, spectrum: 42026
APSQHLSSFDPCFYR, R5|5
Hyperscore=33.9825
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5++
b10++
y5
y6++
y2
b5−H2O
b7
b9
b10

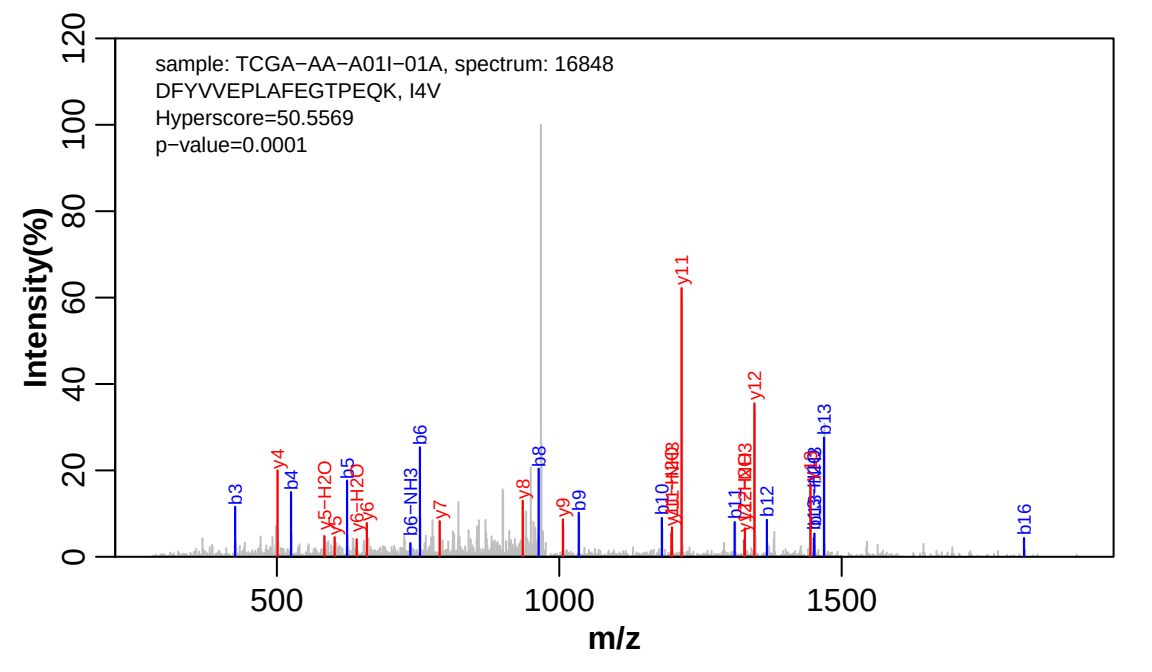

sample: TCGA−AA−A01I−01A, spectrum: 14748
AWLSSQAAELER, V7A
Hyperscore=44.2448
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
y4
b5
y5
b6
y6
b7
y7
b8
y8
y9
b9
y10
b10
b11
b11−H2O
b7−H2O
y6−NH3
y6−H2O

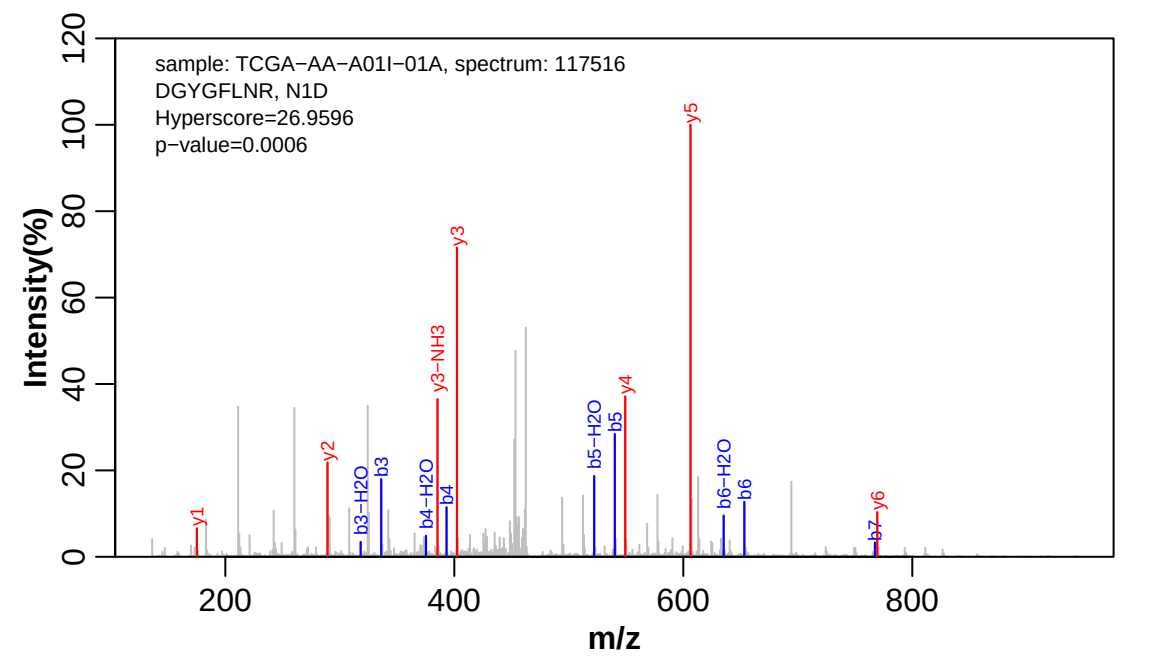

sample: TCGA−AA−A01I−01A, spectrum: 105003
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.1774
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6
b7
b8
y9
y10
y11
y12
y15

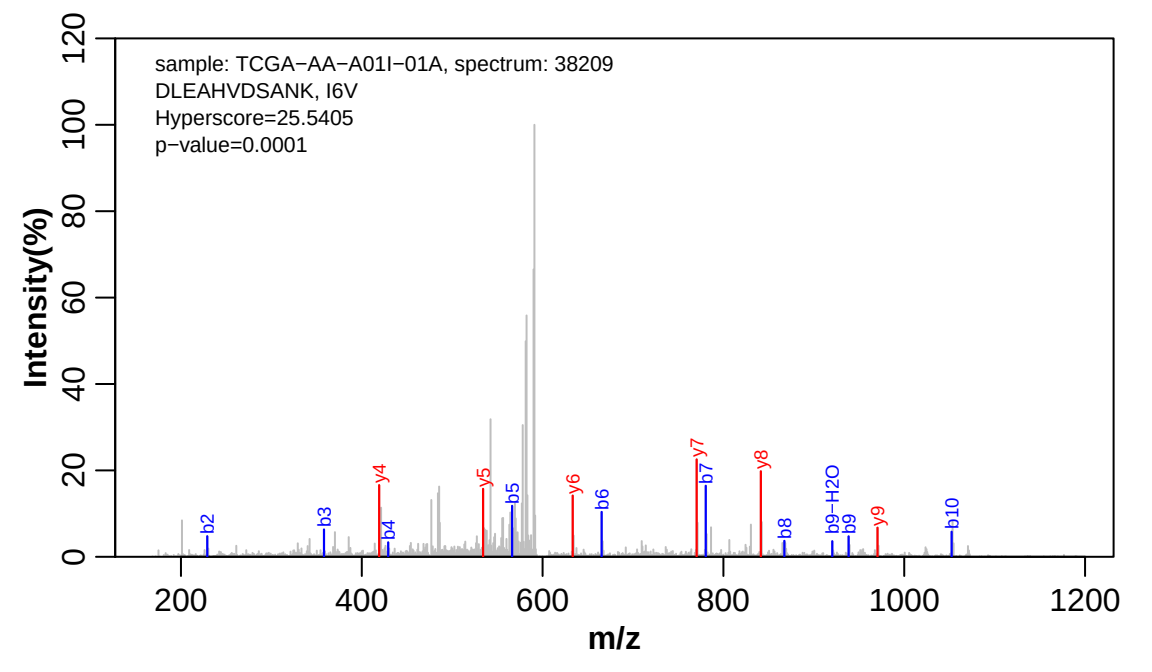

sample: TCGA−AA−A01I−01A, spectrum: 121809
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=48.0017
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b4
y4−H2O
y5−H2O
b5
b6
b7
y7
y7−H2O
b8
y8
y8−H2O
b9
y9
y10
b10
y11
y12
y12−NH3
b13
y13
b16

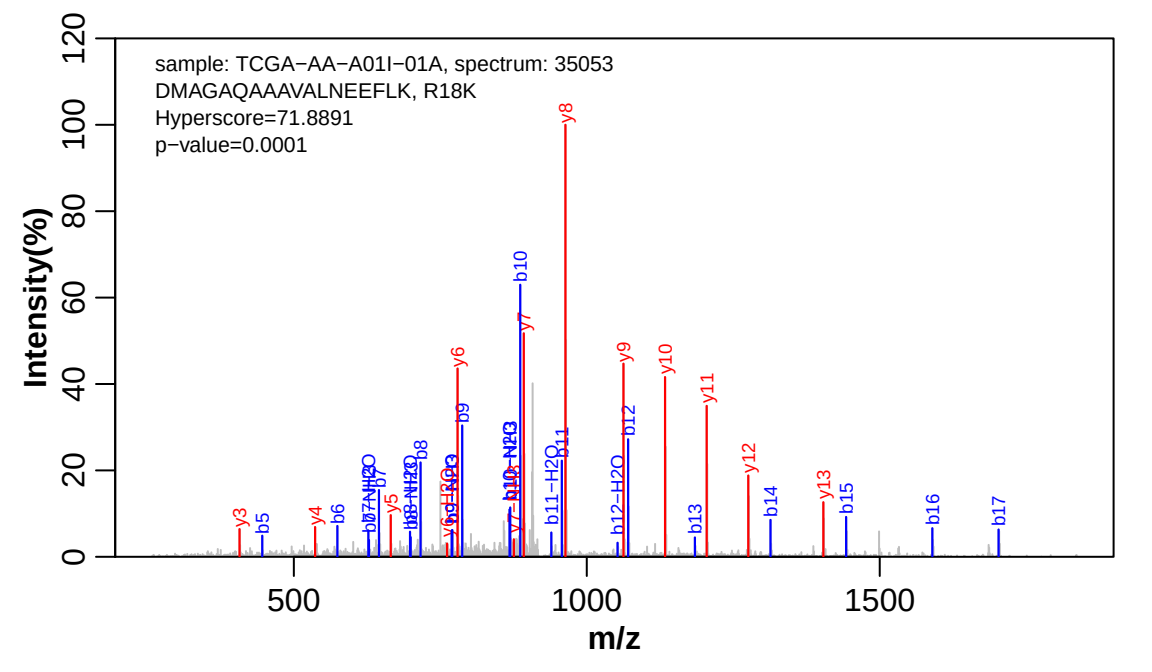

sample: TCGA−AA−A01I−01A, spectrum: 66205
DAGNEQDLGLQYK, N1D
Hyperscore=39.4262
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−NH3
b4
y3
y3−H2O
y3−NH3
b5−H2O
b5−NH3
b5
y4
b6−H2O
b6−NH3
b6
y5
y6−H2O
y6−NH3
y7
b8−H2O
b8−NH3
b8
b9−H2O
b9−NH3
b9
y8−NH3
y8
b10−H2O
b10−NH3
b10
y9
b11
b12−NH3
b12

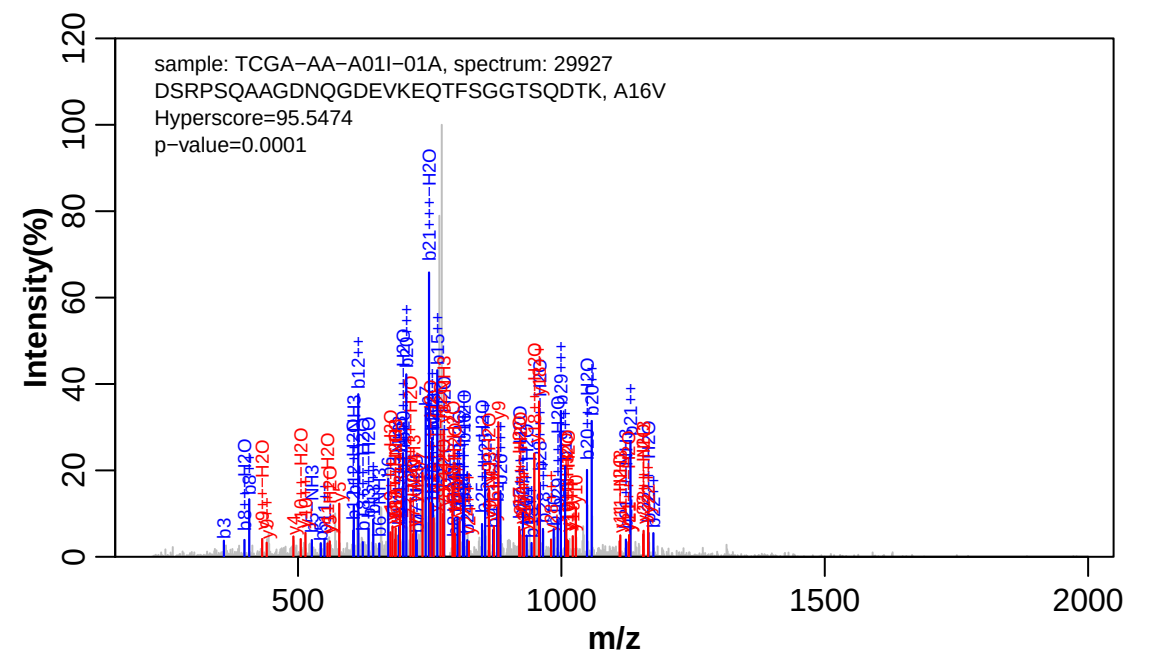

sample: TCGA−AA−A01I−01A, spectrum: 93283
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=59.4056
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
y4
b13
b12
b11
b13++
b22++
b21++
y11++
b12++

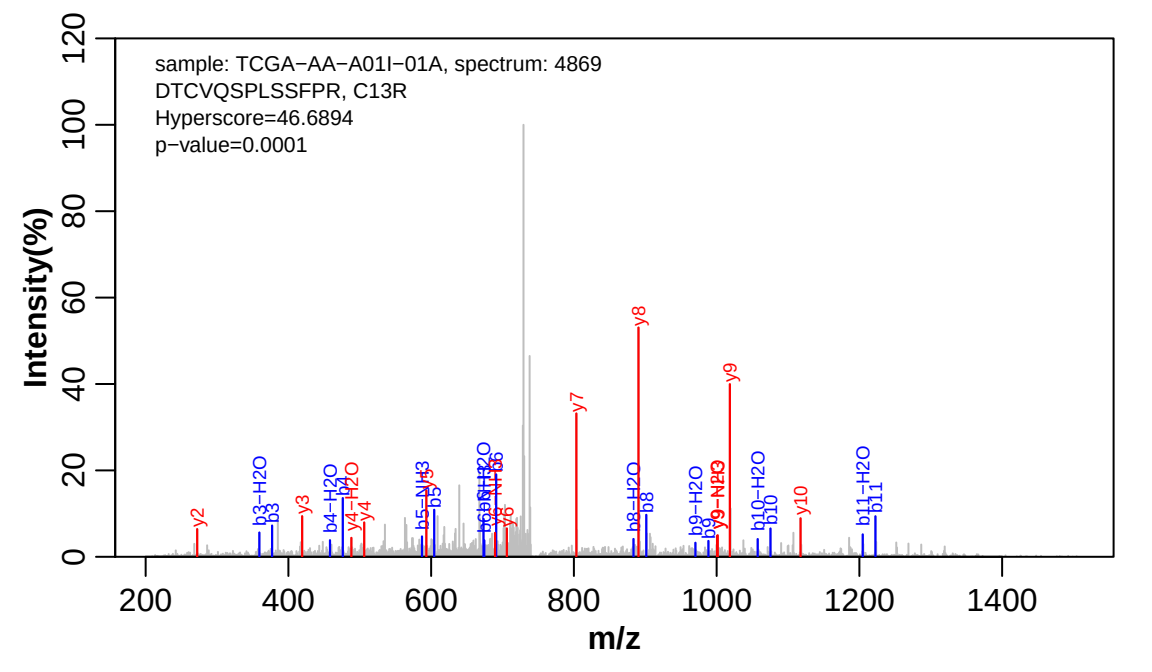

sample: TCGA−AA−A01I−01A, spectrum: 16848
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=50.5569
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
y4
b4
y5−H2O
y5
b5
y6−H2O
y6
b6
b6−NH3
y7
y8
b8
y9
b9
b10
y11
y11−H2O
y11−NH3
b11
y12
y12−H2O
y12−NH3
b12
b13
b13−H2O
b13−NH3
b16

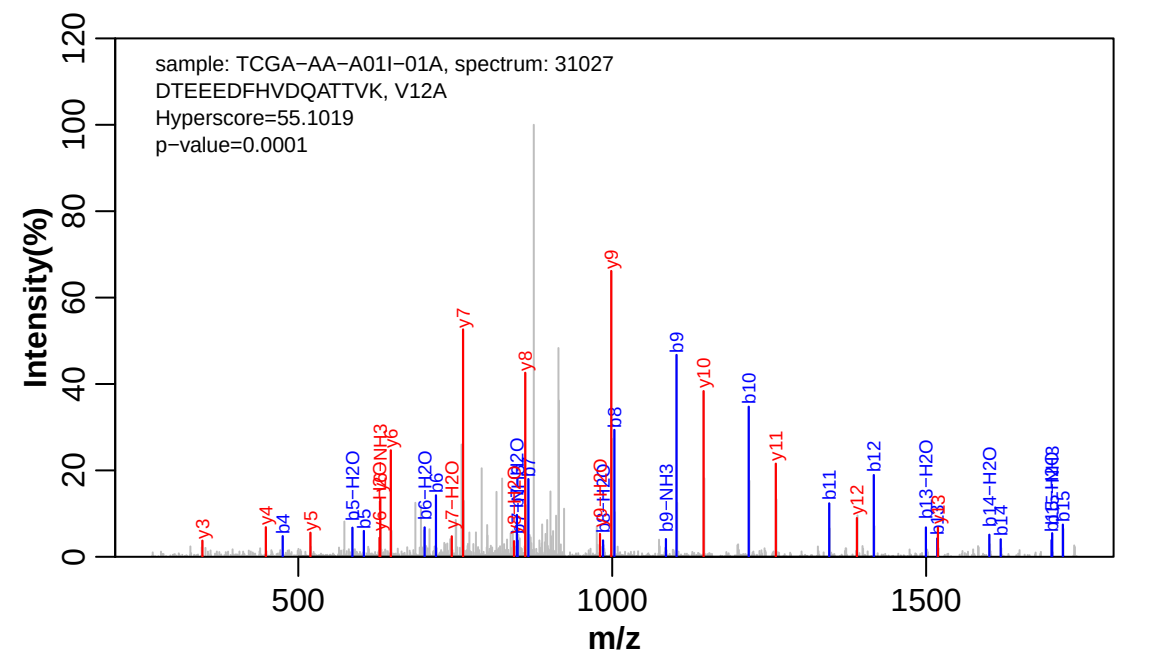

sample: TCGA−AA−A01I−01A, spectrum: 117516
DGYGFLNR, N1D
Hyperscore=26.9596
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7−y6

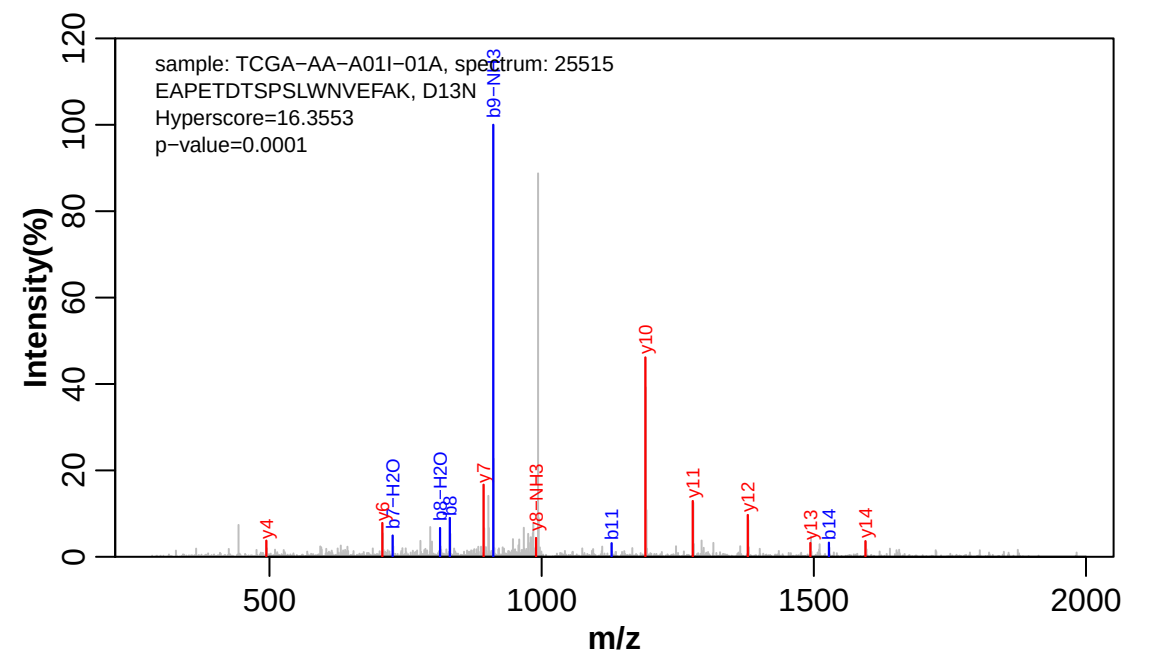

sample: TCGA−AA−A01I−01A, spectrum: 38209
DLEAHVDSANK, I6V
Hyperscore=25.5405
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b3
y4
b4
y5
b5
y6
b6
y7
b7
y8
b8
b9−H2O
b9
y9
b10

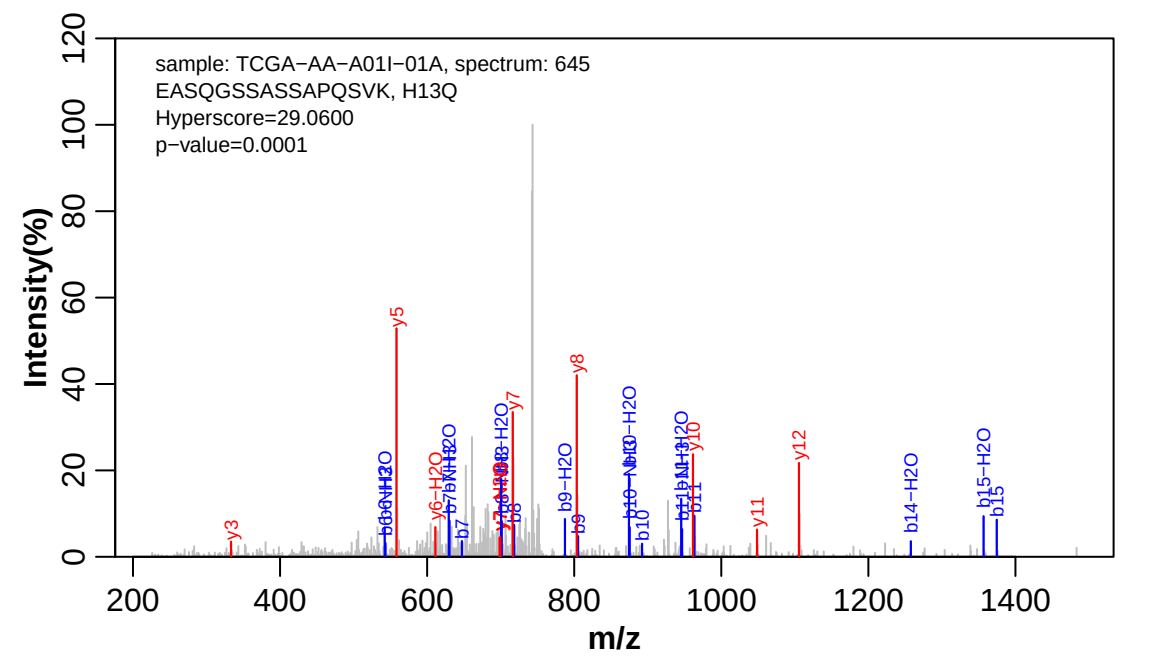

sample: TCGA−AA−A01I−01A, spectrum: 35053
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=71.8891
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b5
y4
b6
y5
b7
b8
y6
b9
b10
y7
y8
b11
b11−H2O
y9
b12
b12−H2O
y10
y11
b13
y12
b14
y13
b15
b16
b17

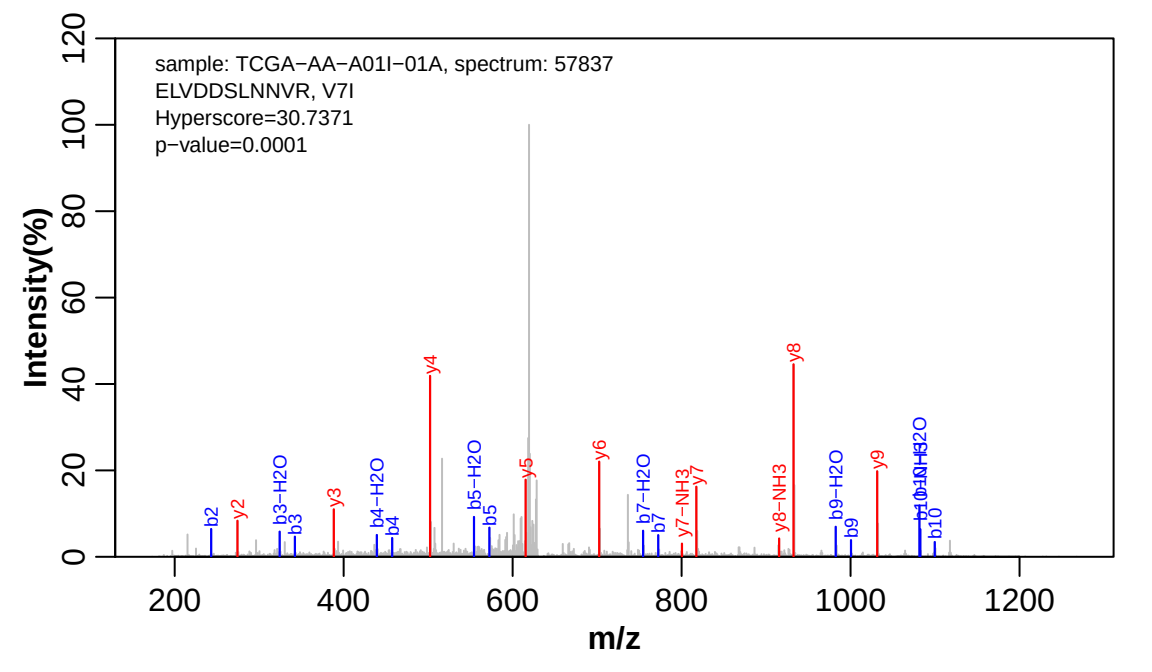

sample: TCGA−AA−A01I−01A, spectrum: 29927
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=95.5474
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

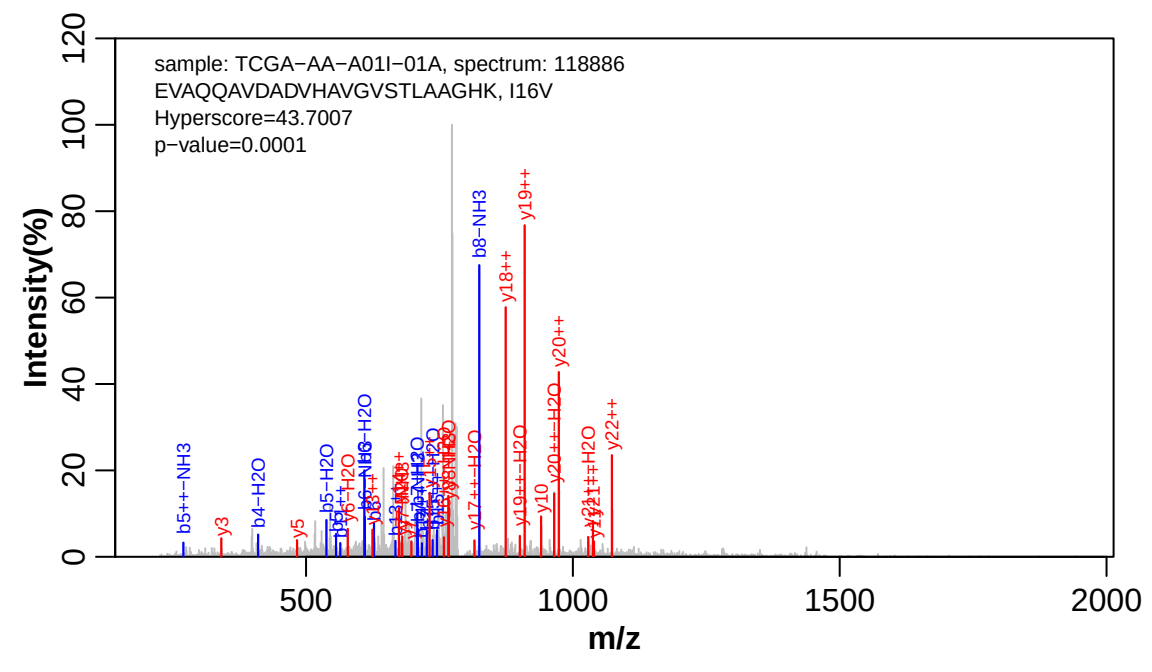

sample: TCGA−AA−A01I−01A, spectrum: 4869
DTCVQSPLSSFPR, C13R
Hyperscore=46.6894
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−H2O
y4
b5−NH3
b5
y8
y7
y9
b8−H2O
b8
b9−H2O
b9
b10−H2O
b10
y10
b11−H2O
b11

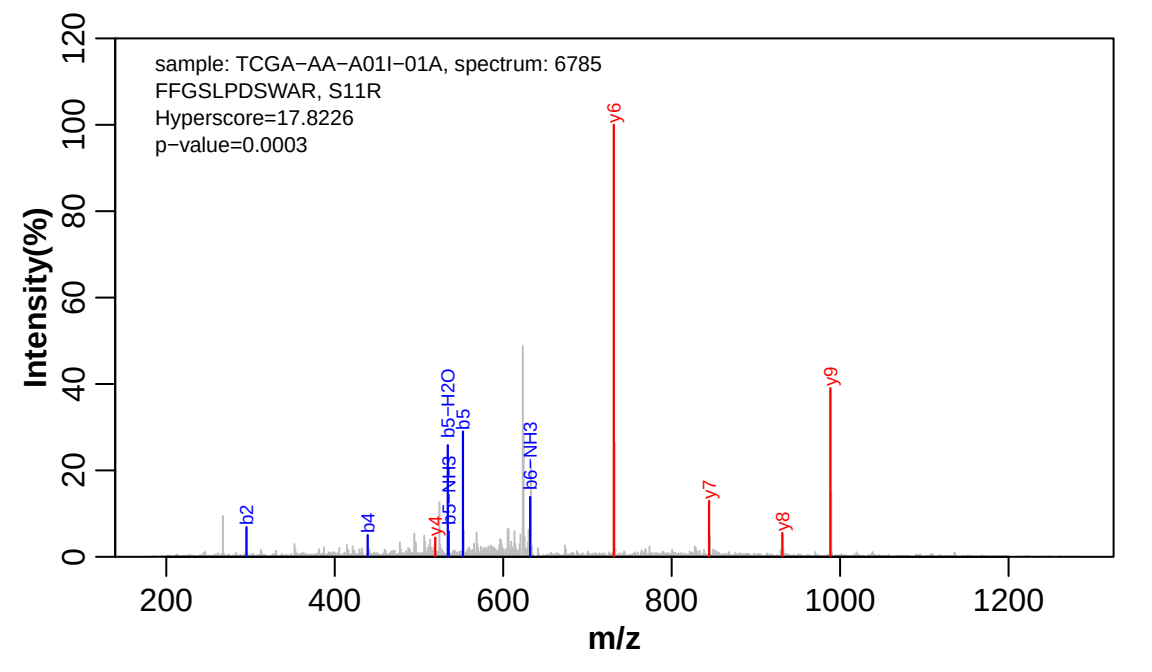

sample: TCGA−AA−A01I−01A, spectrum: 31027
DTEEEDFHVDQATTVK, V12A
Hyperscore=55.1019
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
b4
y5
b5
b5−H2O
y6
y6−H2O−NH3
b6
b6−H2O
y7
y7−H2O
y8
b7
b8
b8−H2O
y9
b9
b9−NH3
y10
b10
y11
b11
y12
b12
b13−H2O
b14
b14−H2O
b15

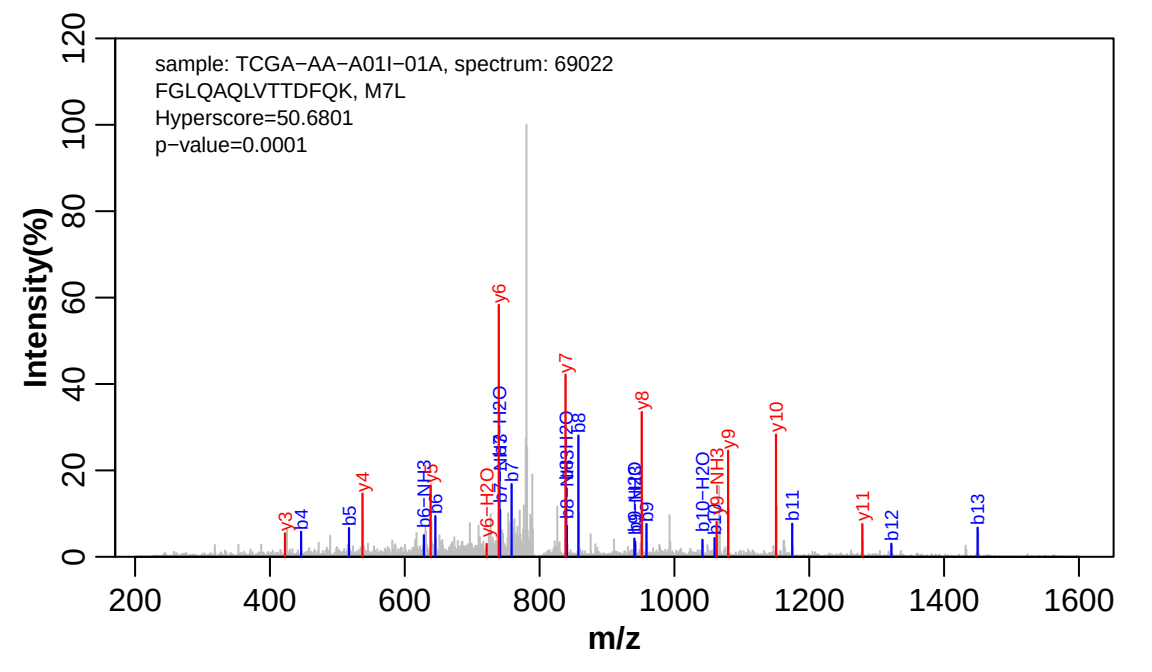

sample: TCGA−AA−A01I−01A, spectrum: 25515
EAPETDTSPSLWNVEFAK, D13N
Hyperscore=16.3553
p−value=0.0001
b9−NH3
y10
y7
y8−NH3
y11
y12
y6
b7−H2O
b8−H2O
b8
y4
b11
y13
b14
y14
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

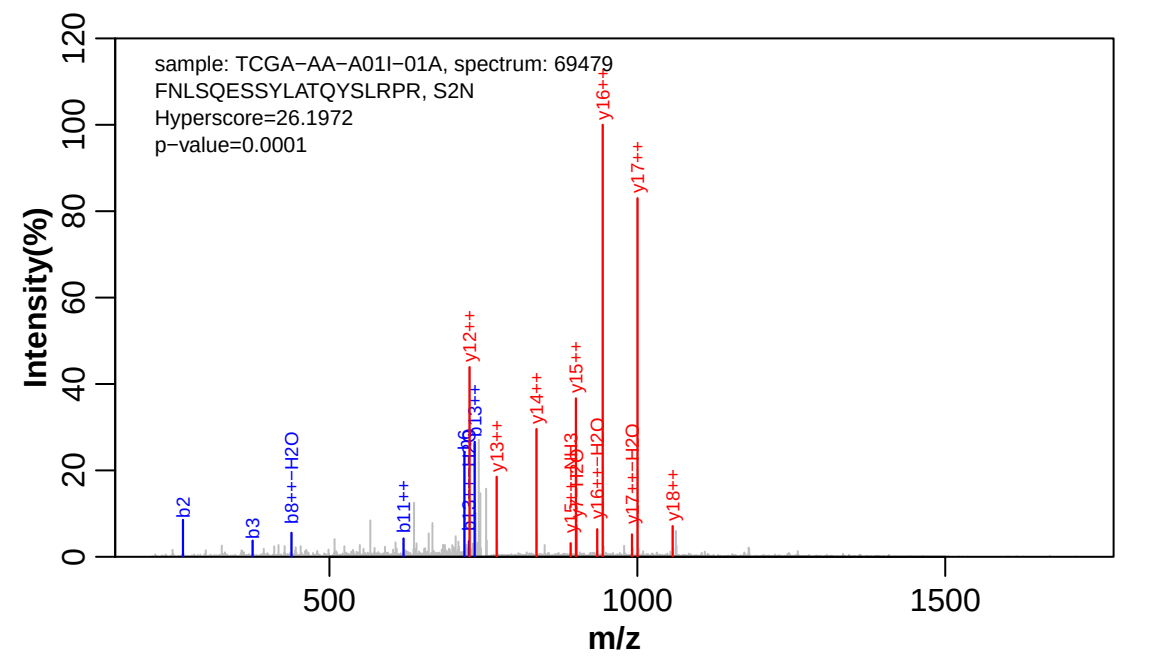

sample: TCGA−AA−A01I−01A, spectrum: 645
EASQGSSASSAPQSVK, H13Q
Hyperscore=29.0600
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
y5
y6−H2O
b7
b7−NH3
b7−H2O
y7
b8
b8−H2O
y8
b9−H2O
b9
b10−NH3
b10−H2O
b10
y10
y11
y12
b14−H2O
b15−H2O
b15

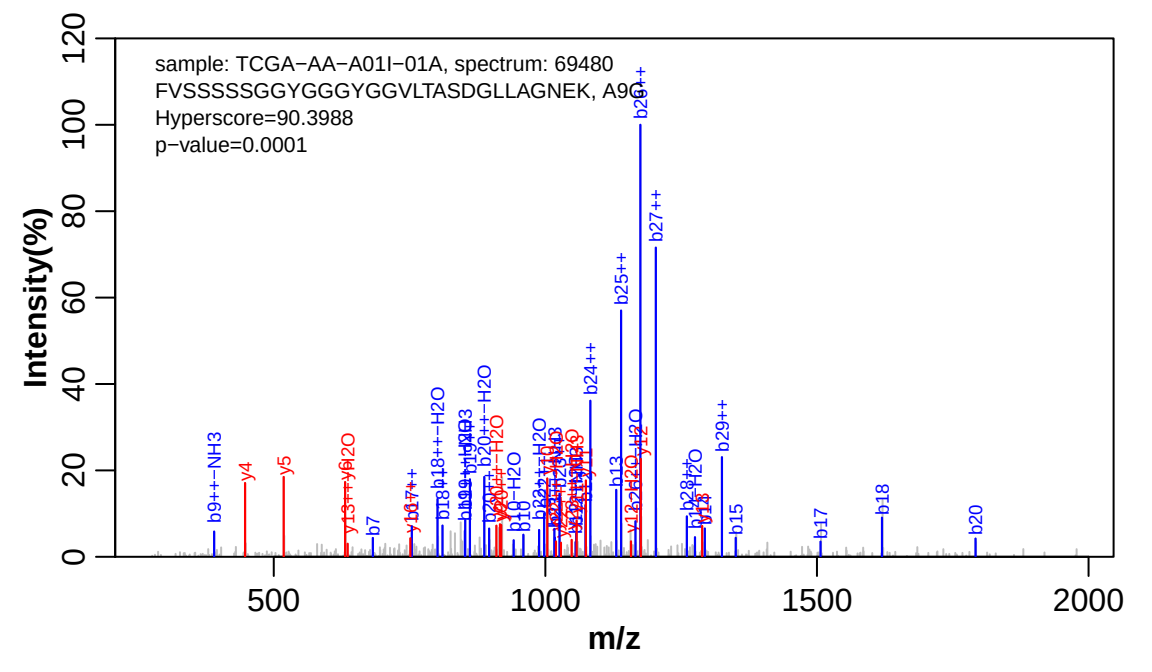

sample: TCGA−AA−A01I−01A, spectrum: 57837
ELVDDSLNNVR, V7I
Hyperscore=30.7371
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7−NH3
y7
y8
y8−NH3
b9−H2O
b9
y9
b10−H2O
b10−NH3
b10

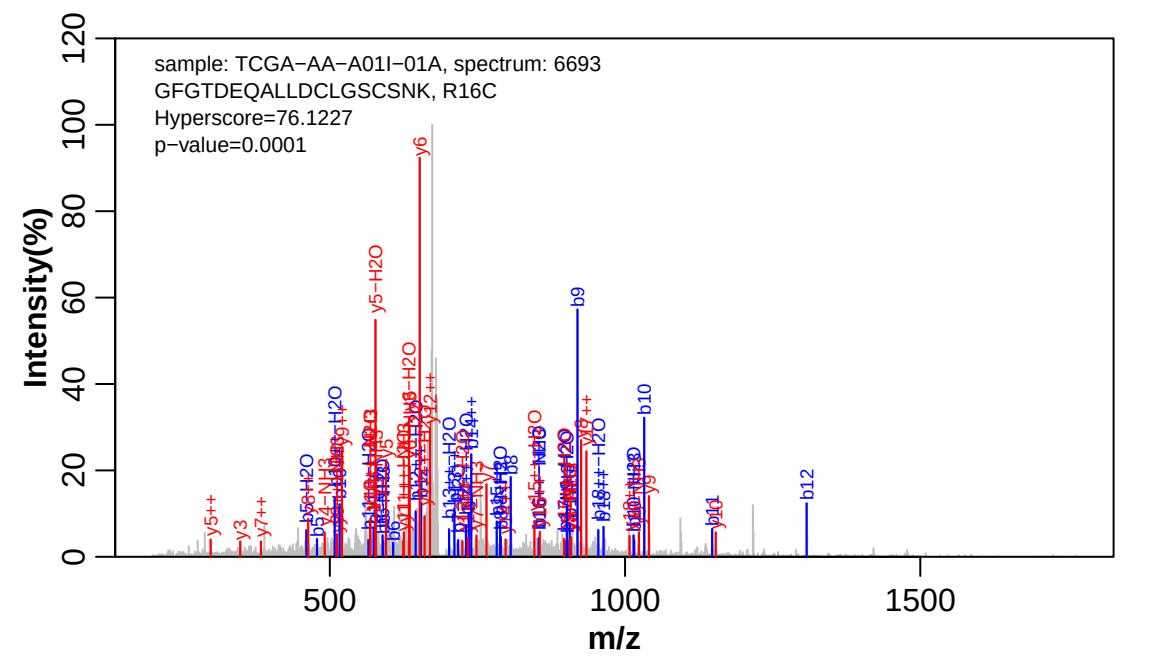

sample: TCGA−AA−A01I−01A, spectrum: 118886
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=43.7007
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5++−NH3
y3
b4−H2O
y5
b5−H2O
b8−NH3
y18++
y19++
y20++
y19++−H2O
y10
y20++−H2O
y22++

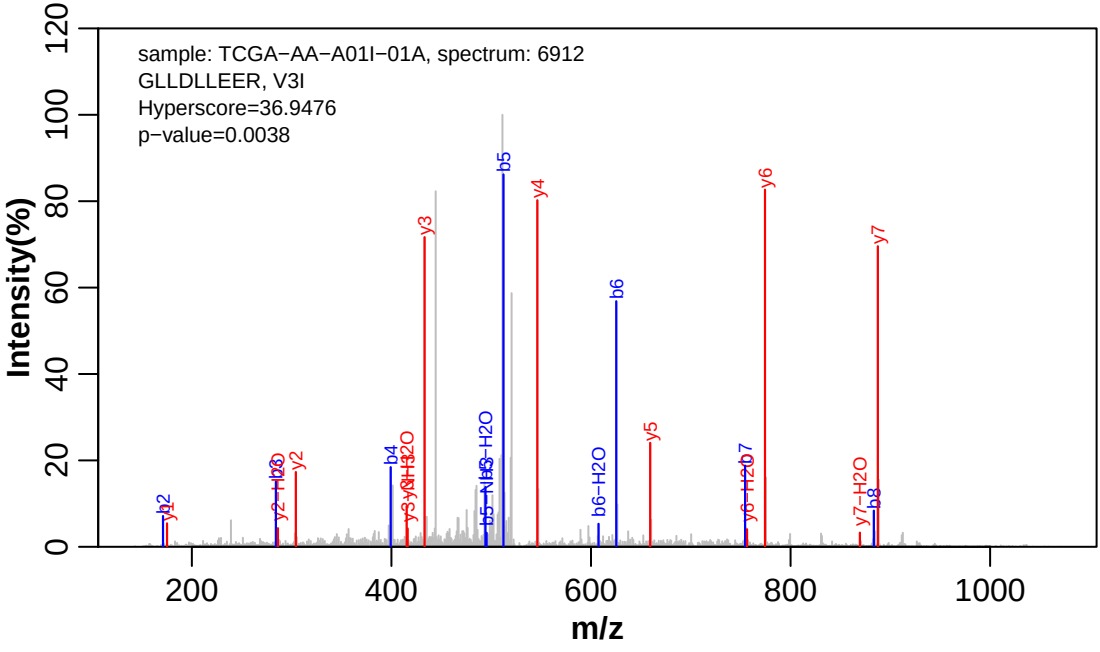

sample: TCGA−AA−A01I−01A, spectrum: 6785
FFGSLPDSWAR, S11R
Hyperscore=17.8226
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5
b5−H2O
b6−NH3
y6
y7
y8
y9

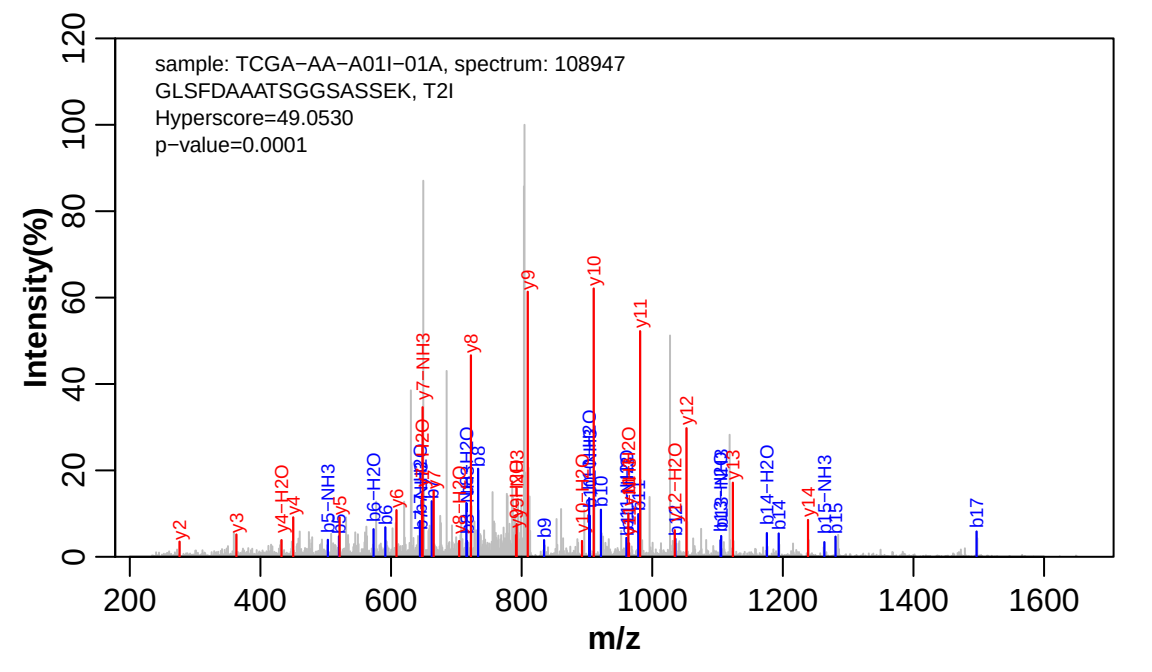

sample: TCGA−AA−A01I−01A, spectrum: 69022
FGLQAQLVTTDFQK, M7L
Hyperscore=50.6801
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
b4
b5
y4
b6−NH3
y5
b6
y6−H2O
b7
y6
b8−NH3−H2O
b8
y7
b9
y8
b10−H2O
b10−NH3
y9
y10
b11
y11
b12
b13

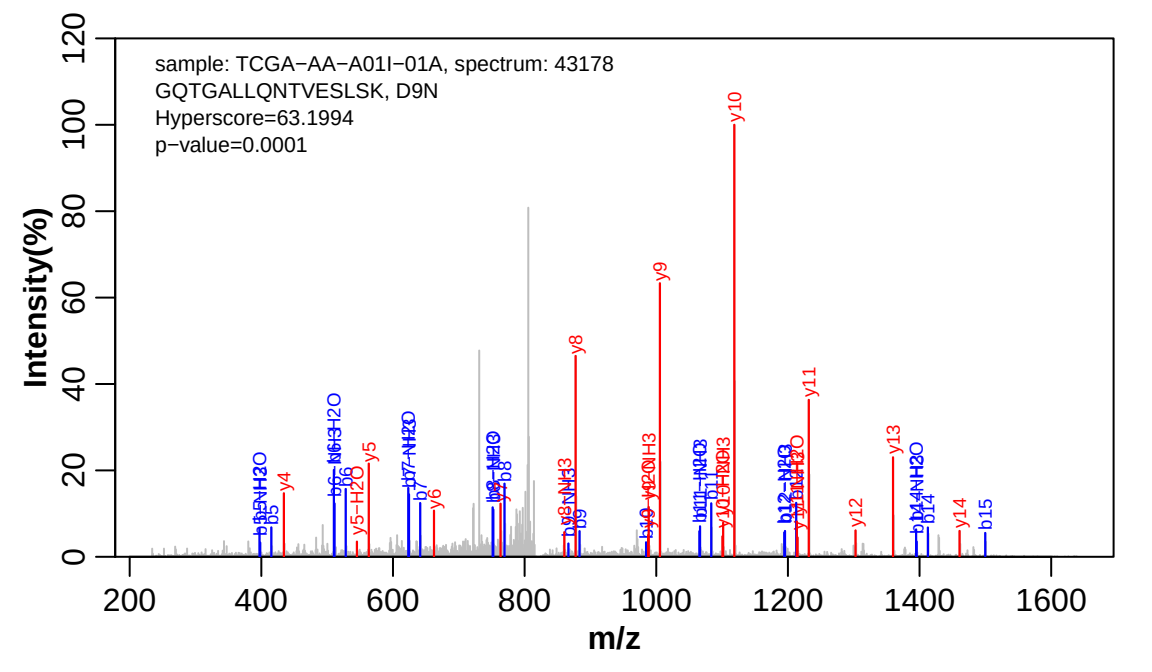

sample: TCGA−AA−A01I−01A, spectrum: 69479
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=26.1972
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b8++−H2O
b11++
b6
b13++
y12++
y13++
y14++
y15++
y16++−H2O
y16++
y17++
y17++−H2O
y18++

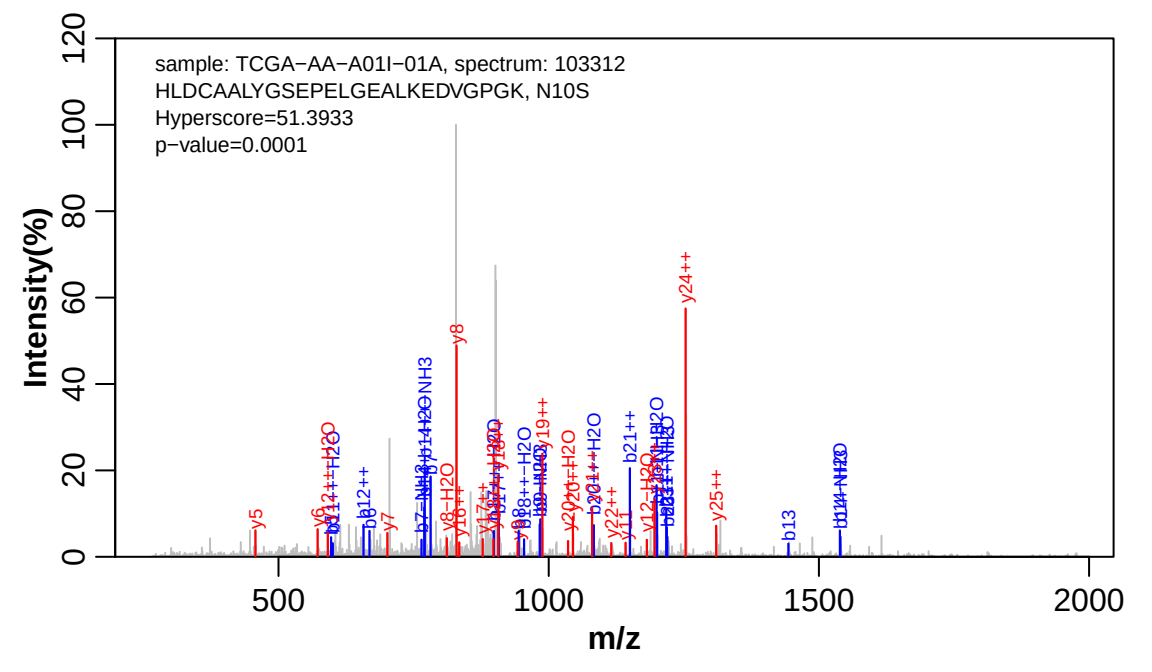

sample: TCGA−AA−A01I−01A, spectrum: 69480
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=90.3988
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y13++−H2O
b7
y10++
b18++−H2O
b20++−H2O
b10−H2O
b24++
b25++
b26++
b27++
y12−H2O
b13
b28++
b29++
b15
b17
b18
b20

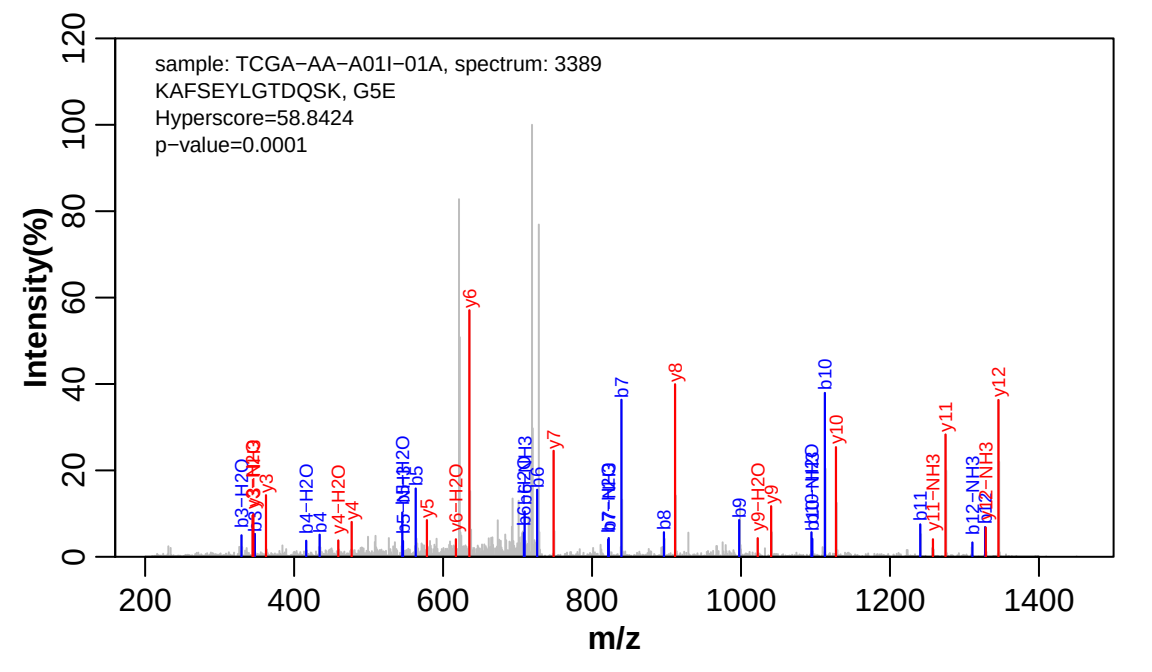

sample: TCGA−AA−A01I−01A, spectrum: 6693
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=76.1227
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
b11
y5++
y3
y7++
y8++
y9
b8
b5−H2O

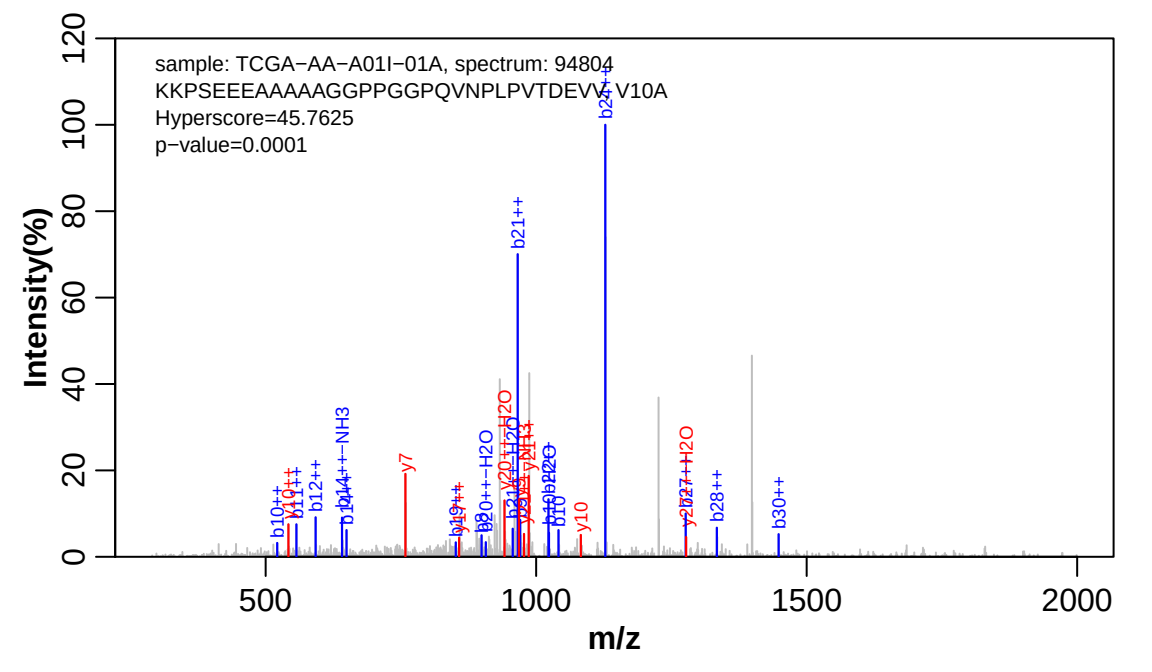

sample: TCGA−AA−A01I−01A, spectrum: 6912
GLLDLLEER, V3I
Hyperscore=36.9476
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
y2−H2O
y2
b4
y3−H2O
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
y6−H2O
y6
y7−H2O
b8
y7

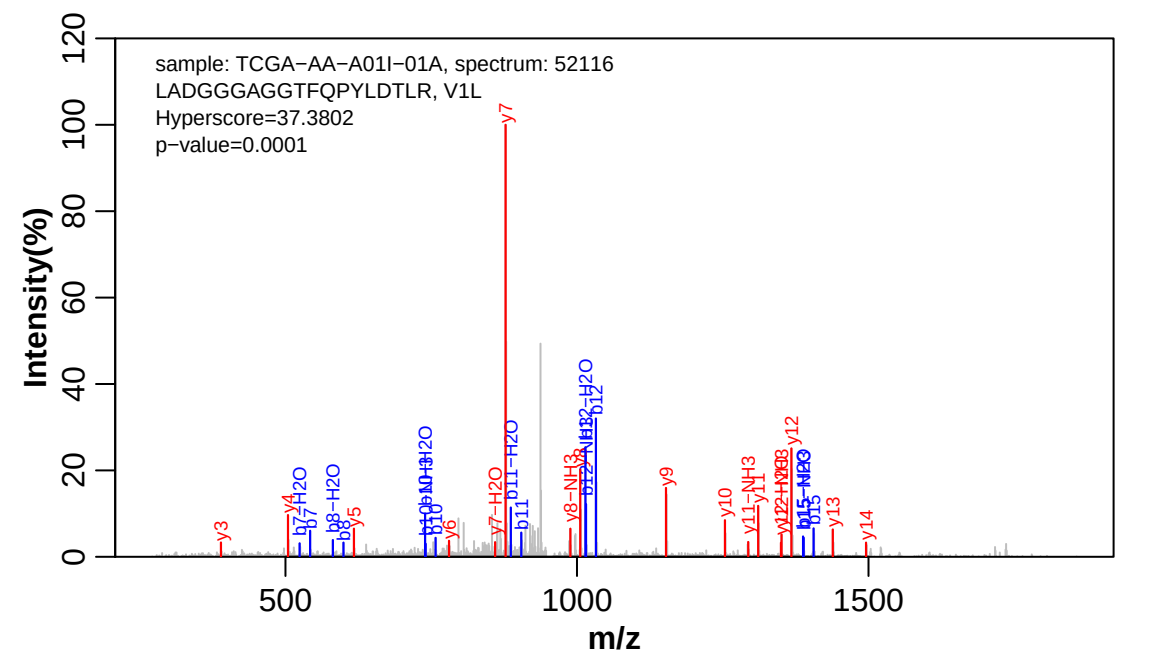

sample: TCGA−AA−A01I−01A, spectrum: 108947
GLSFDAAATSGGSASSEK, T2I
Hyperscore=49.0530
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4−H2O
y4
b5−NH3
b5
y5
b6−H2O
b6
y6
y7−NH3
y7
y8
b8−H2O
b8
b9
y9
y10
y11
y12
y12−H2O
y13
b14−H2O
b14
y14
b15−NH3
b15
b17

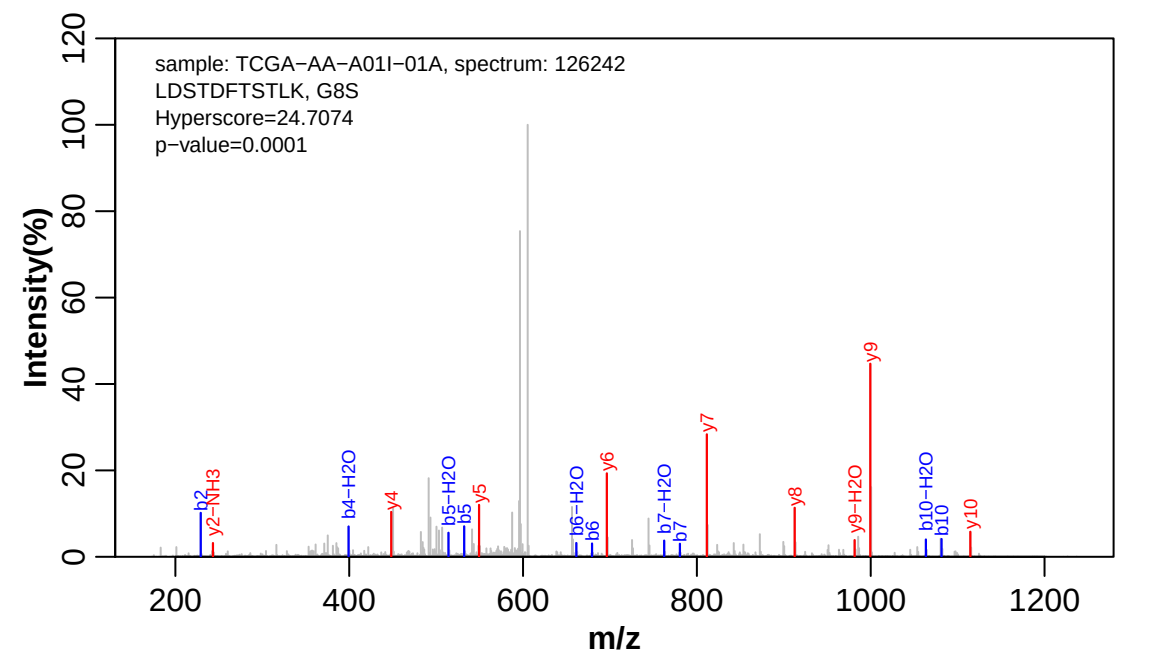

sample: TCGA−AA−A01I−01A, spectrum: 43178
GQTGALLQNTVESLSK, D9N
Hyperscore=63.1994
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y12
y14
b15
y4
y5
y6
b5
b6
b7
b8
b9
b11
b12
b14

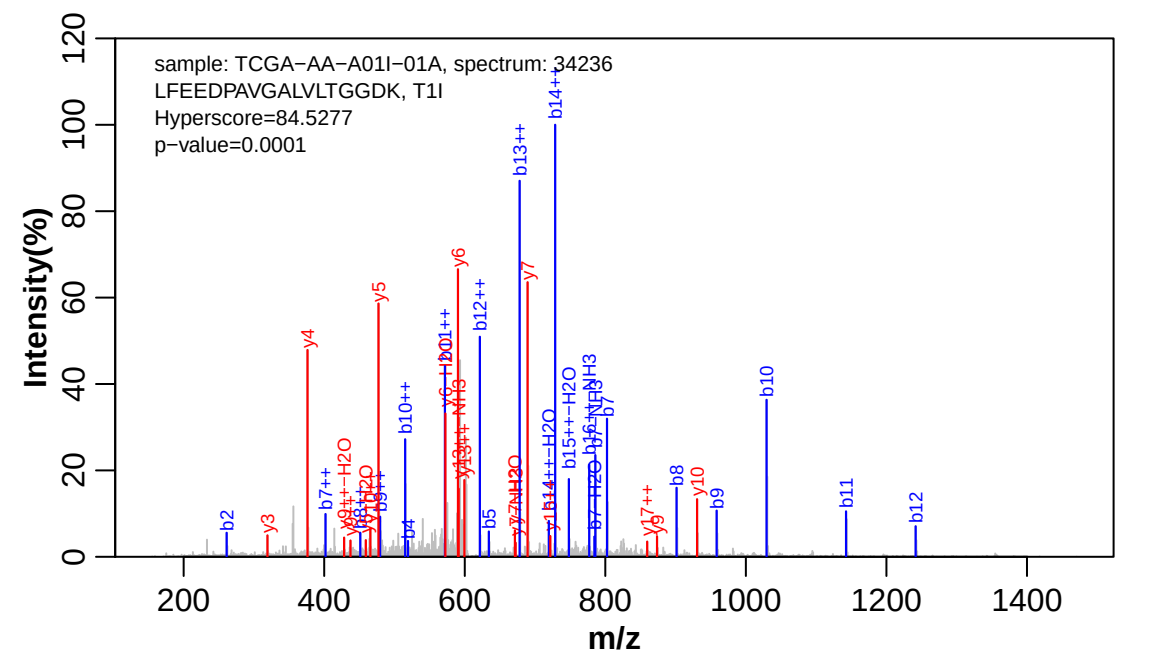

sample: TCGA−AA−A01I−01A, spectrum: 103312
HLDCAALYGSEPELGEALKEDVGPGK, N10S
Hyperscore=51.3933
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
y6
b11++-H2O
b11++
b12++
y7
y8-NH3
y8-H2O
y8
y16++
y17++
y19++
y20++-H2O
b20++-H2O
b21++
y22++
y24++
y25++
b13

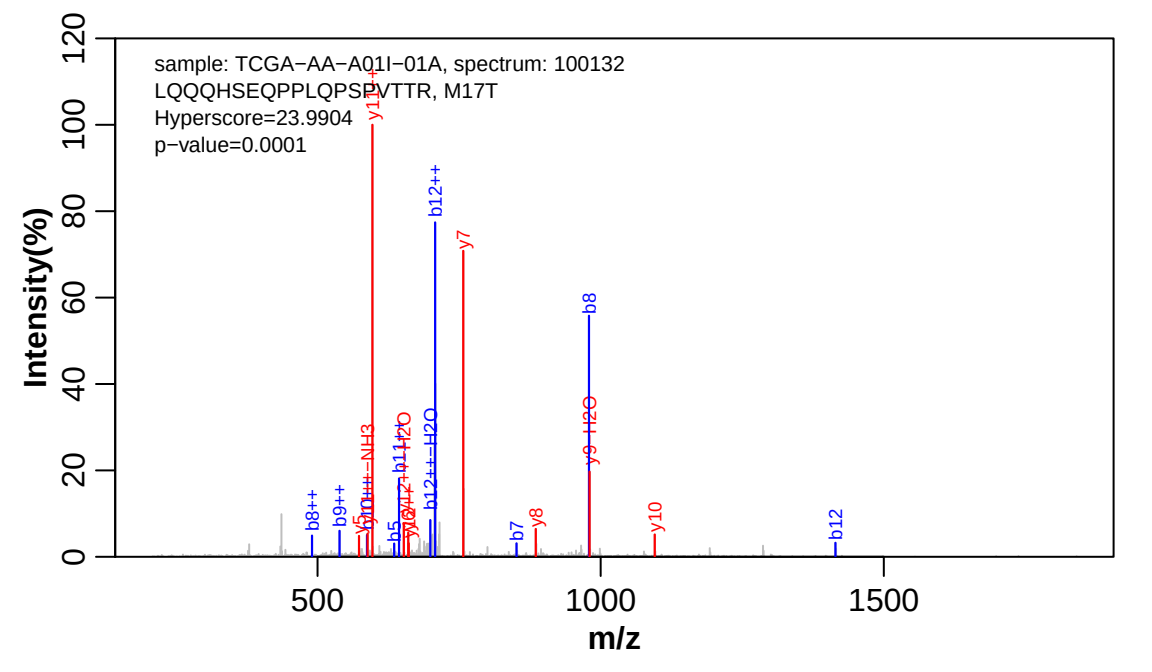

sample: TCGA−AA−A01I−01A, spectrum: 3389
KAFSEYLGTDQSK, G5E
Hyperscore=58.8424
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
y3
b4−H2O
b4
y4−H2O
y4
b5−NH3
b5−H2O
b5
y5
y6−H2O
y6
b6
y7
b7
y8
b8
b9
y9−H2O
y9
b10−NH3
b10
y10
b11
y11−NH3
y11
b12−NH3
y12−NH3
y12

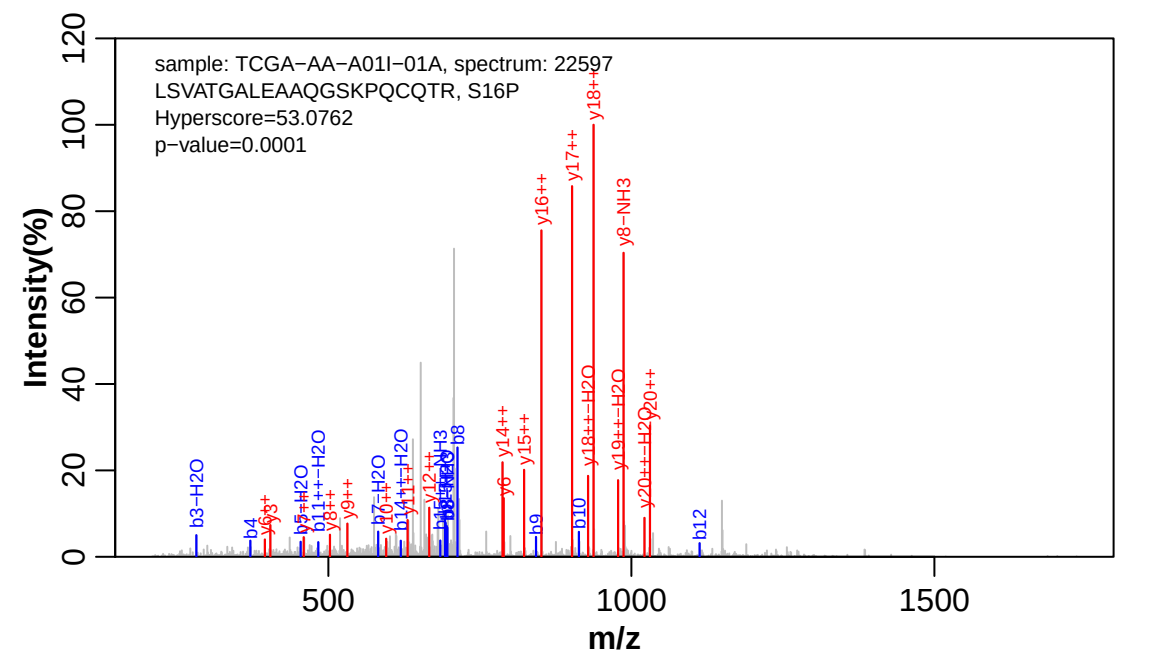

sample: TCGA−AA−A01I−01A, spectrum: 94804
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=45.7625
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
b21++
y7
y10
b28++
b30++

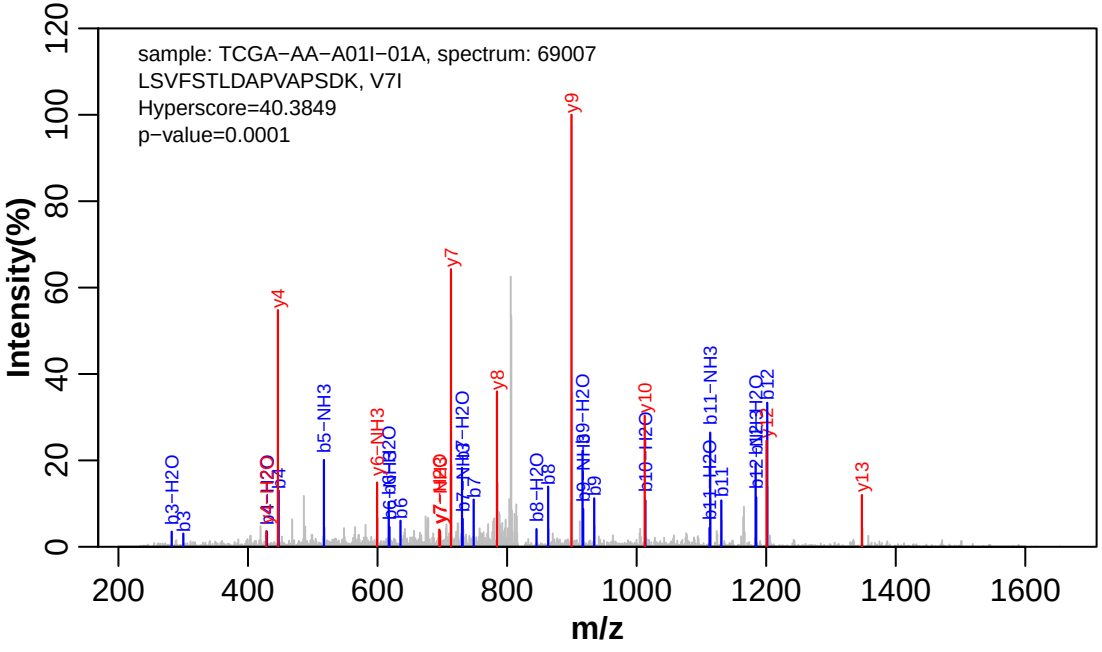

sample: TCGA−AA−A01I−01A, spectrum: 52116
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=37.3802
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y3
y4
b7−H2O
b7
b8−H2O
b8
y5
b10−NH3
b10−H2O
b10
y6
y7−H2O
b11−H2O
b11
y8−NH3
b12−NH3
b12−H2O
b12
y9
y10
y11−NH3
y11
y12
y13
y14
b15
b15−H2O

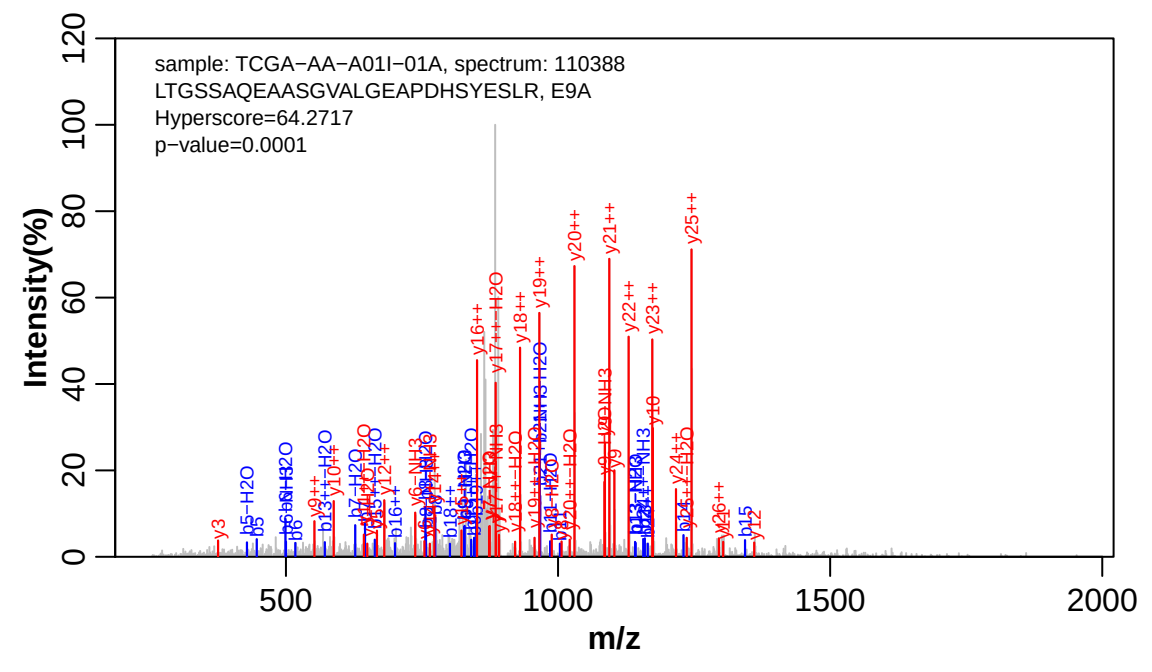

sample: TCGA−AA−A01I−01A, spectrum: 126242
LDSTDFTSTLK, G8S
Hyperscore=24.7074
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−NH3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9−H2O
y9
b10−H2O
b10
y10

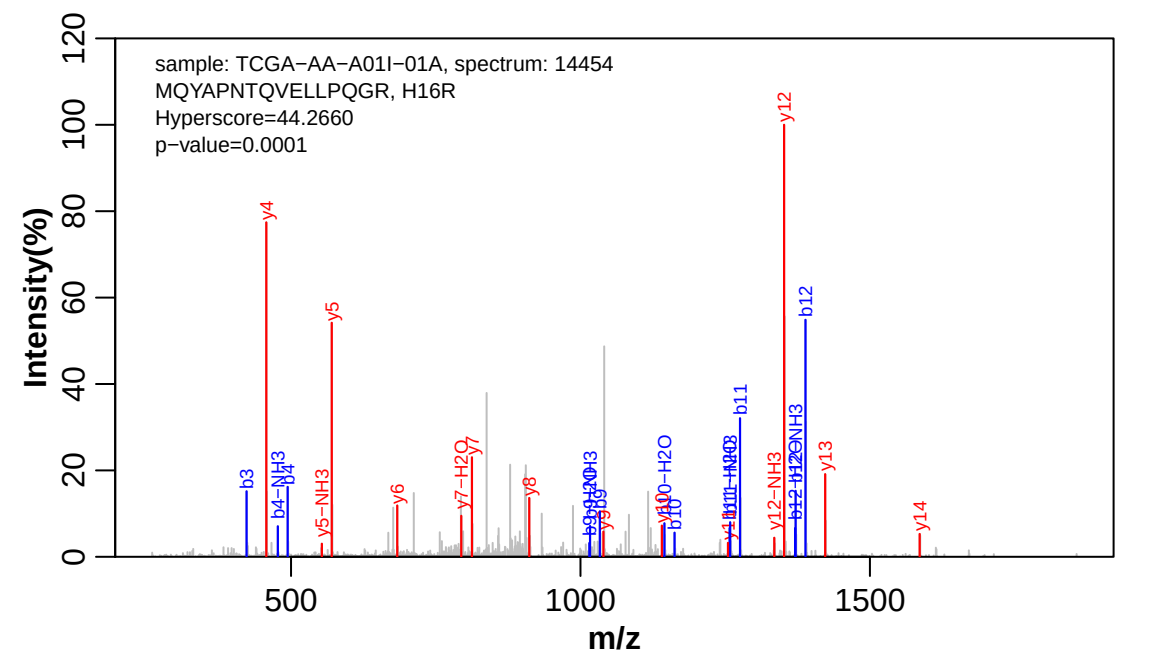

sample: TCGA−AA−A01I−01A, spectrum: 34236
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=84.5277
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
b10++
y5
b4
b5
y6
b12++
b13++
y7
b14++
b15++−H2O
b8
y10
b9
b10
b11
b12

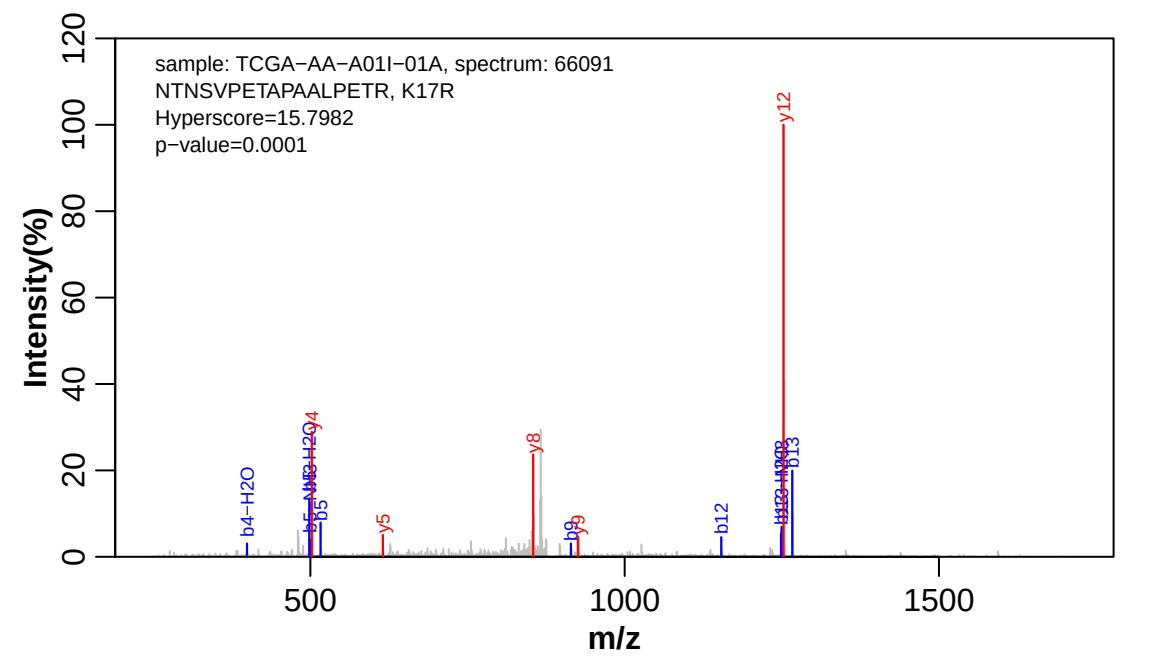

sample: TCGA−AA−A01I−01A, spectrum: 100132
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=23.9904
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8++
b9++
y11++
b12++
y7
b8
y9−H2O
y10
b12
b7
y8

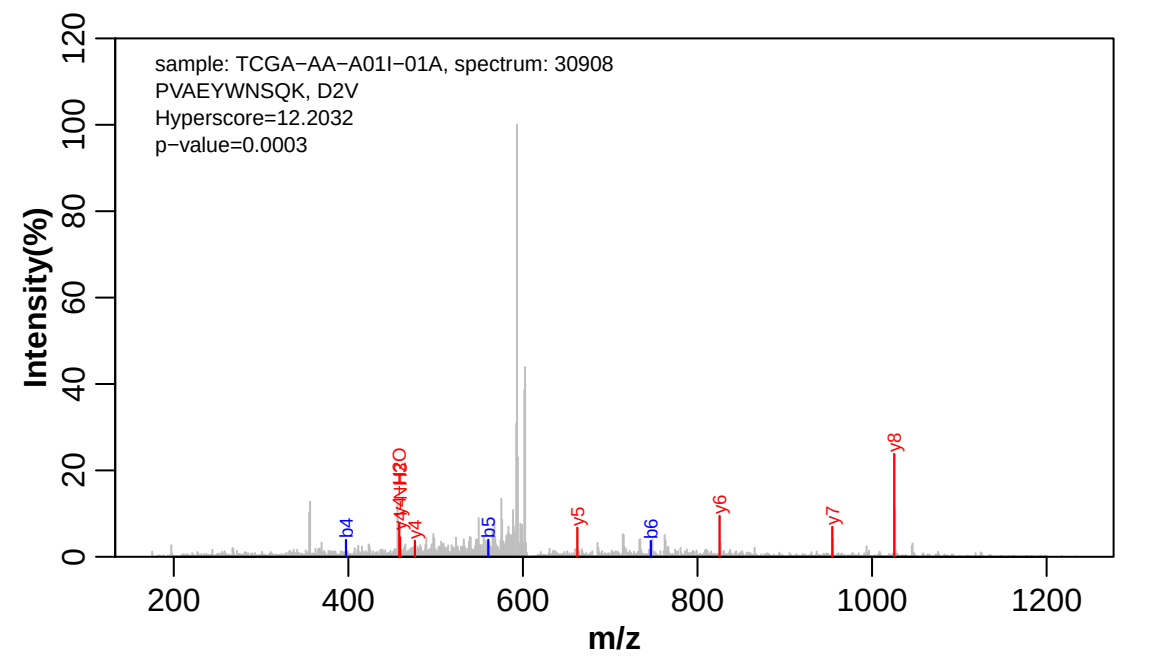

sample: TCGA−AA−A01I−01A, spectrum: 22597
LSVATGALEAAQGSKPQCQTR, S16P
Hyperscore=53.0762
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b4
y3++
b5−H2O
b11++−H2O
y8++
y9++
b7−H2O
y10++
b14++−H2O
y11++−H2O
y12++
b8
y6
y14++
y15++
b9
b10
y16++
y17++
y18++
y18++−H2O
y19++−H2O
y8−NH3
y20++
y20++−H2O
b12

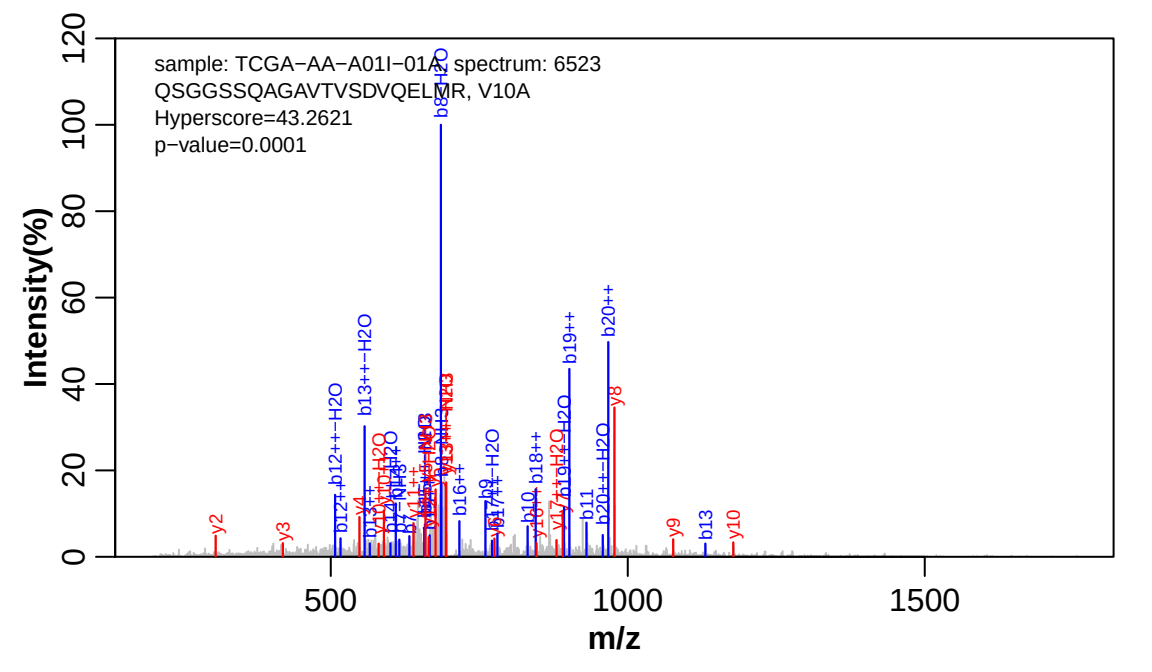

sample: TCGA−AA−A01I−01A, spectrum: 69007
LSVFSTLDAPVAPSDK, V7I
Hyperscore=40.3849
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y7
y4
y8
y10
y13
b5−NH3
b3−H2O
b8−H2O
b11−NH3
b11−H2O

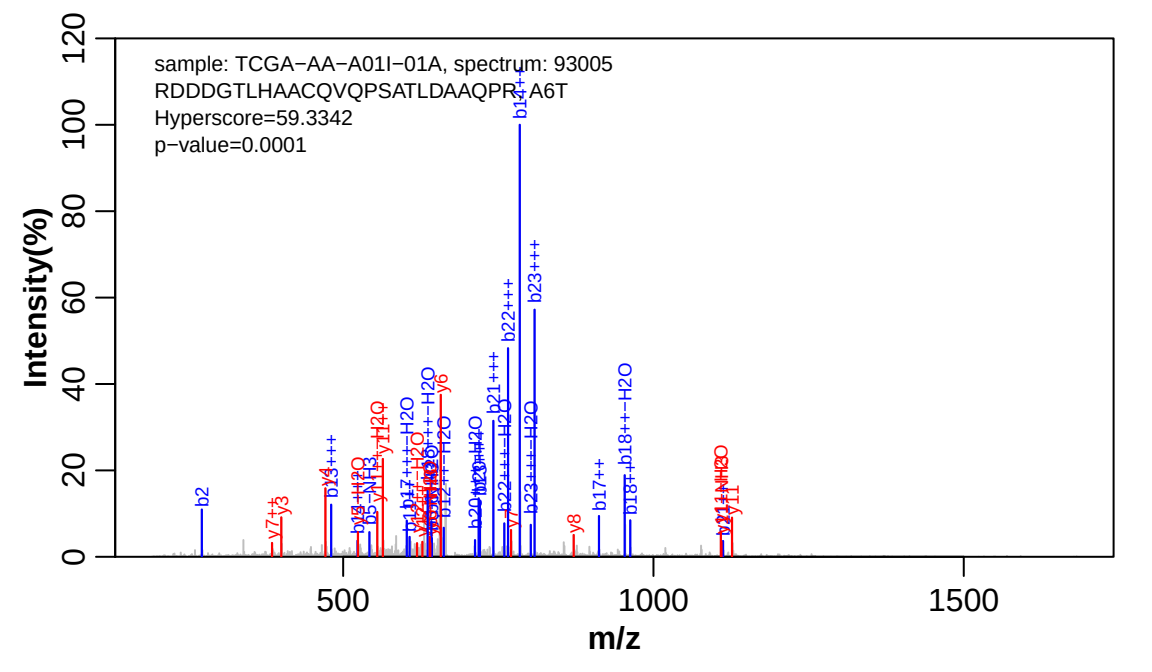

sample: TCGA−AA−A01I−01A, spectrum: 110388
LTGSSAQEAASGVALGEAPDHSYESLR, E9A
Hyperscore=64.2717
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
b5−H2O
b5
b8
y9++
b23++
y10++
y12++
b16++
y16++
y17++−H2O
y18++
y19++
y20++
y21++
y22++
y23++
y25++
y26++
y15
y12

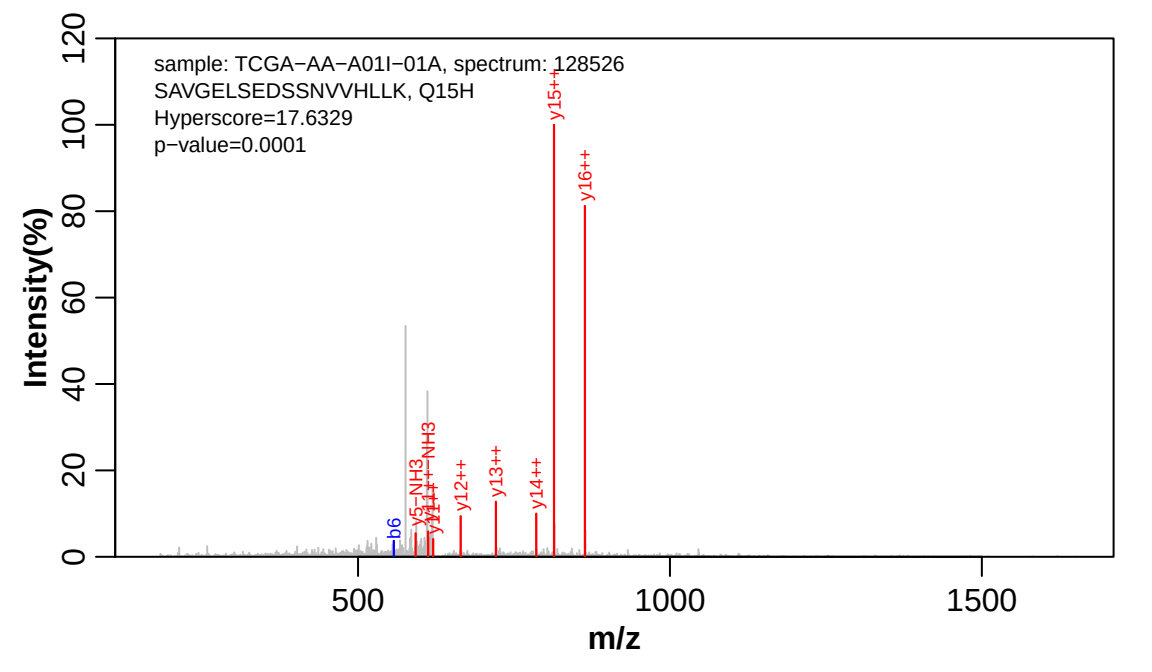

sample: TCGA−AA−A01I−01A, spectrum: 14454
MQYAPNTQVELLPQGR, H16R
Hyperscore=44.2660
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4−NH3
b4
y5−NH3
y5
y6
y7−H2O
y7
y8
b9−H2O−NH3
b9−NH3
b9
y9
y10−H2O
y10
b10
y11−H2O
y11−NH3
y11
b11
y12−NH3
y12
b12−H2O−NH3
b12
y13
y14

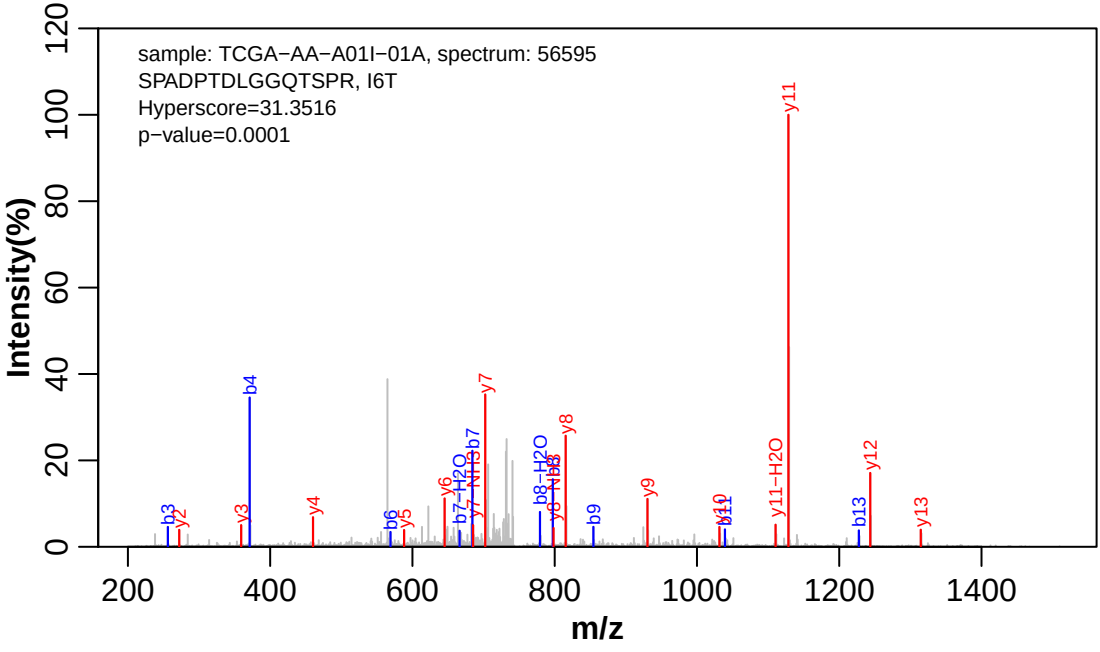

sample: TCGA−AA−A01I−01A, spectrum: 66091
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7982
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4−H2O
y5
y8
y9
b12
y12
b13

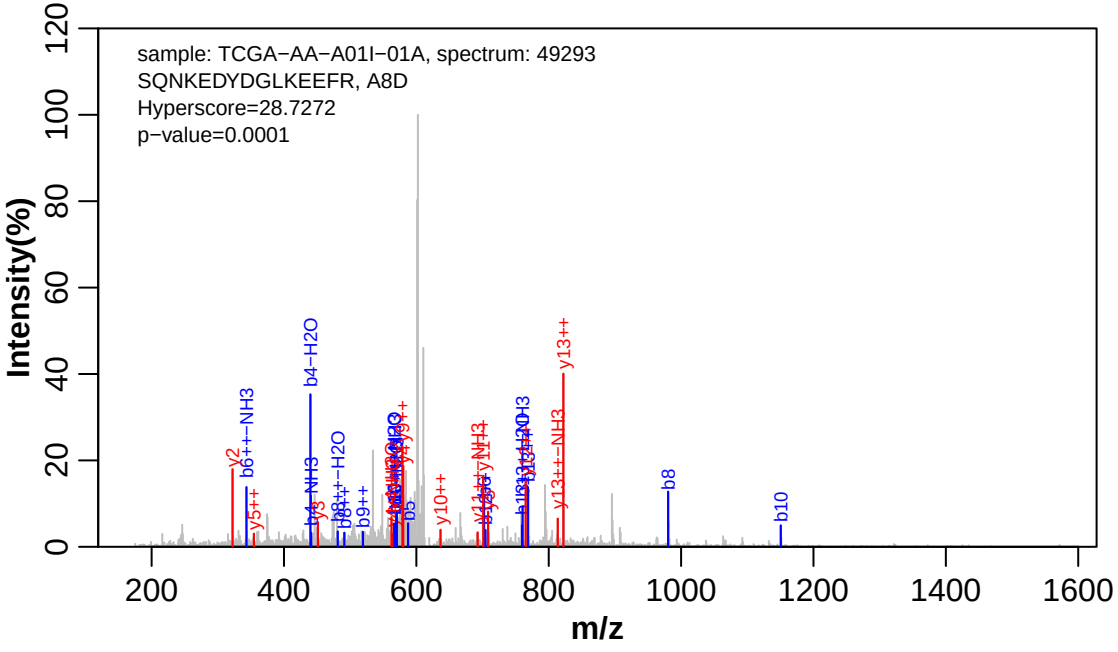

sample: TCGA−AA−A01I−01A, spectrum: 30908
PVAEYWNSQK, D2V
Hyperscore=12.2032
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b4
y4-NH3
y4-H2O
y4
b5
y5
b6
y6
y7
y8

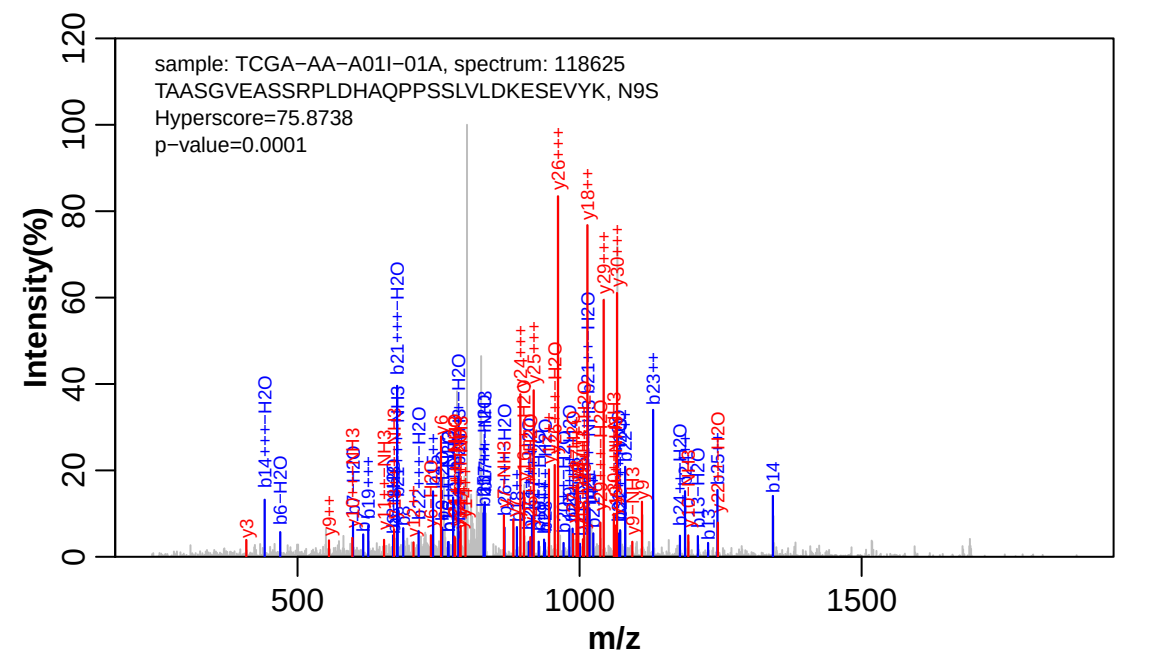

sample: TCGA−AA−A01I−01A, spectrum: 6523
QSGGSSQAGAVTVSDVQELMR, V10A
Hyperscore=43.2621
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8−H2O
b13++−H2O
b12++−H2O
b19++
b20++
y8
y2
y3
y4
b16++
b18++
b10
b11
y9
b13
y10

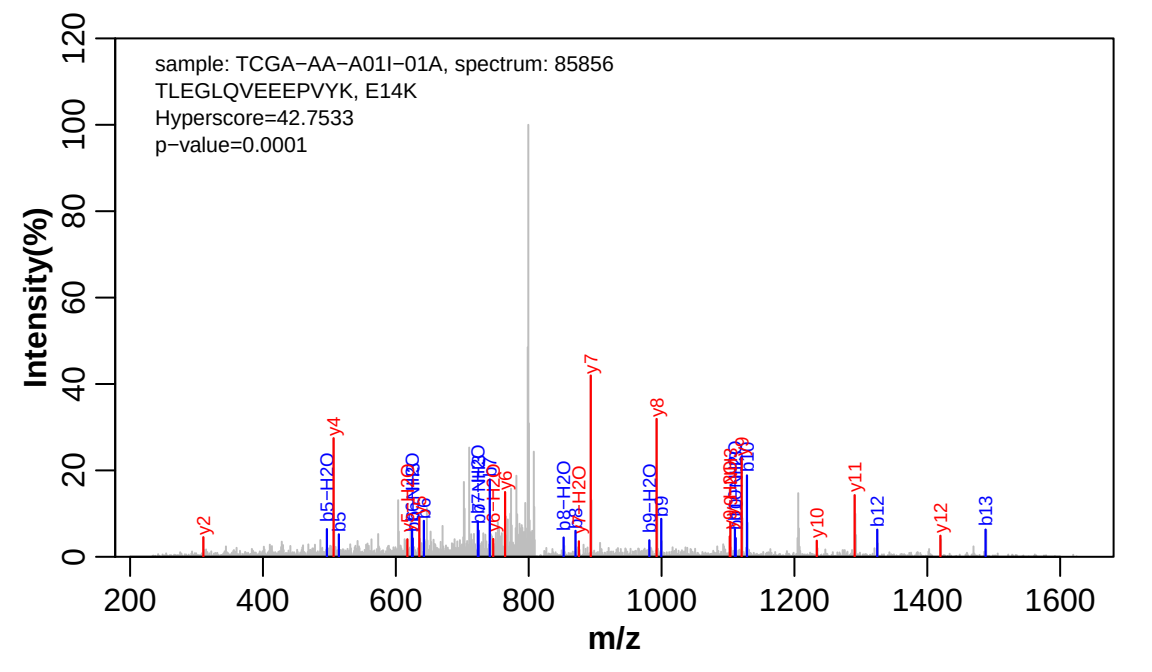

sample: TCGA−AA−A01I−01A, spectrum: 93005
RDDDGTLHAACQVQPSATLDAAQPRA6T
Hyperscore=59.3342
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3++
y4
b14++
b23+++
b22+++
b21+++
y6
b17++
b18++-H2O
y8
y11

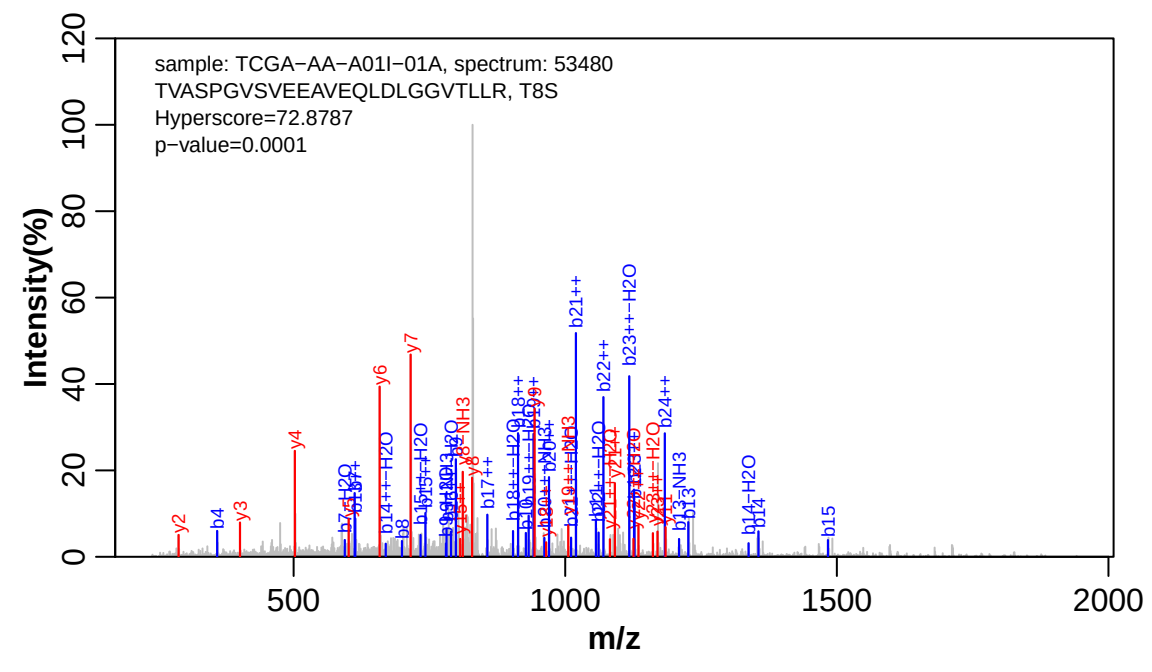

sample: TCGA−AA−A01I−01A, spectrum: 128526
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.6329
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b6
y5−NH3
y11++
y11++−NH3
y12++
y13++
y14++
y15++
y16++

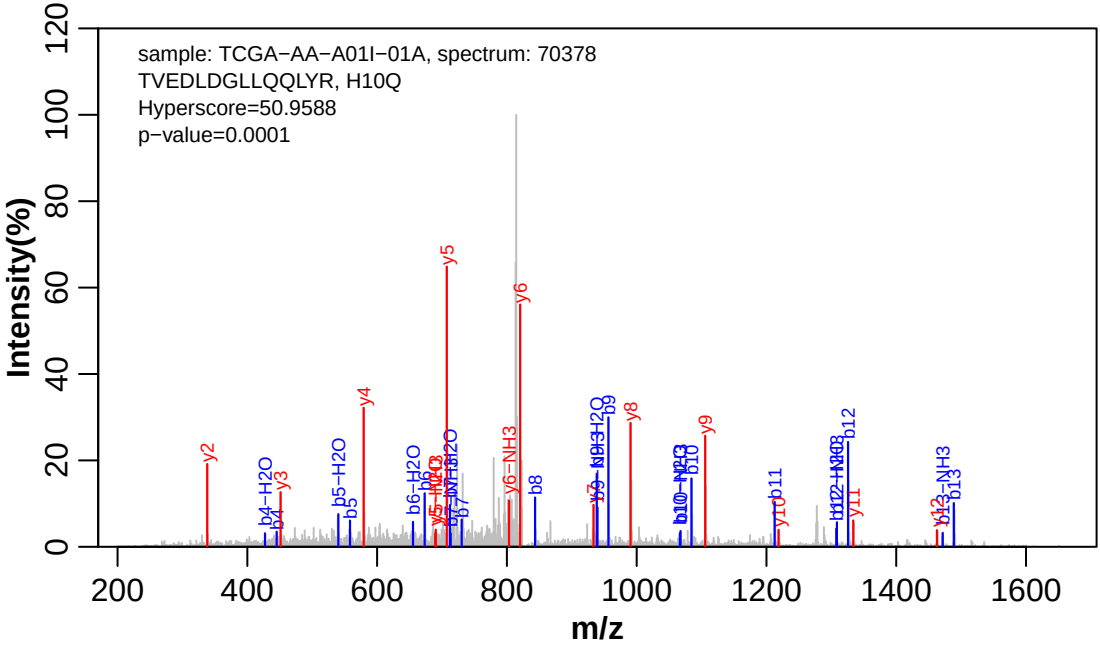

sample: TCGA−AA−A01I−01A, spectrum: 56595
SPADPTDLGGQTSPR, I6T
Hyperscore=31.3516
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
b6
y5
y6
b7−H2O
y7−NH3
b7
y7
b8−H2O
y8−NH3
y8
b9
y9
b10
b11
y11−H2O
y11
b13
y12
y13

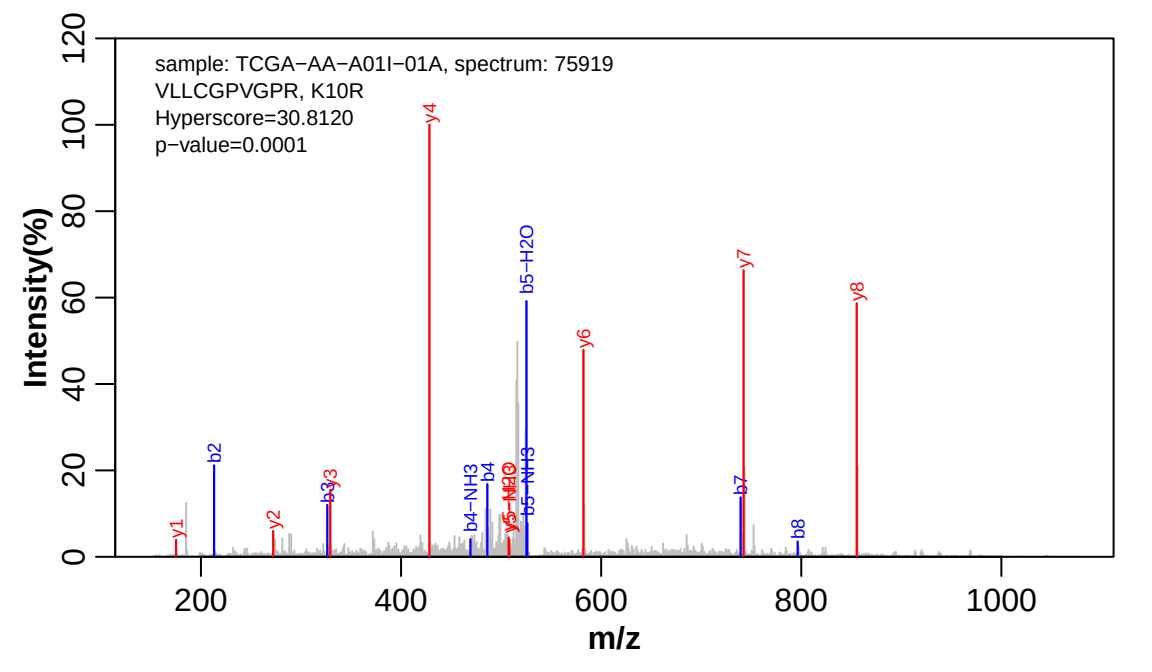

sample: TCGA−AA−A01I−01A, spectrum: 49293
SQNKEDYDGLKEEFR, A8D
Hyperscore=28.7272
p−value=0.0001
Intensity(%)
m/z
y2
b6++−NH3
y5++
b4−H2O
y3
b4−NH3
b8++−H2O
b9++
b5
y10++
y13++
y13++−NH3
b8
b10

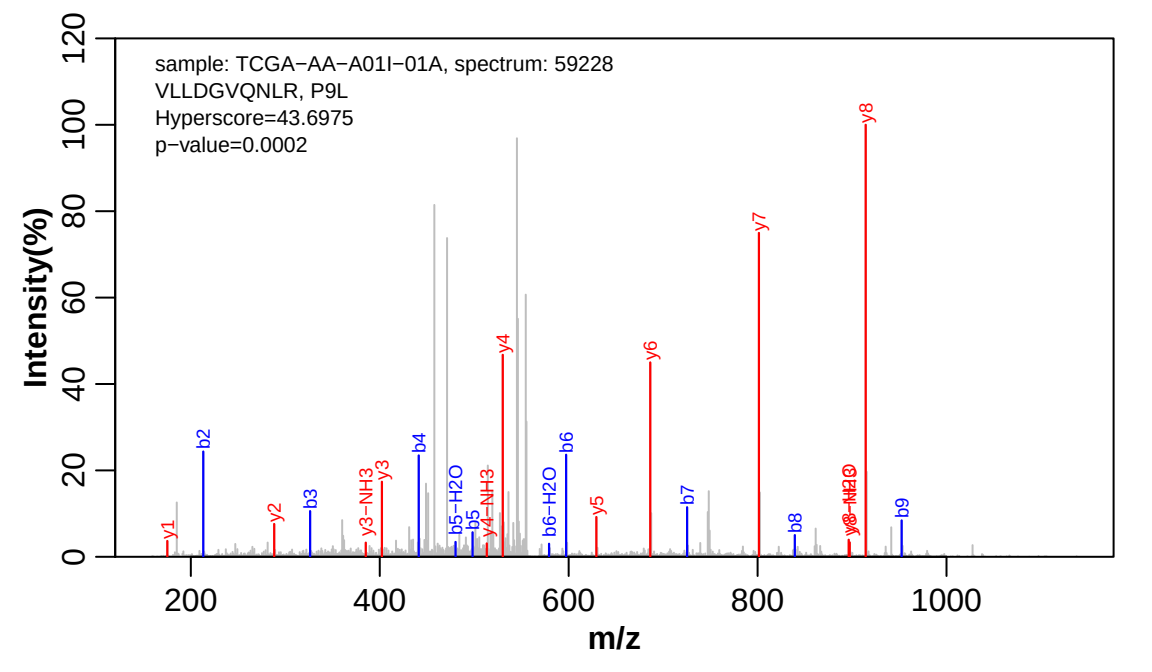

sample: TCGA−AA−A01I−01A, spectrum: 118625
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=75.8738
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y26+++
y18++
y29+++
y30+++
b21+++−H2O
b23++
b14+++−H2O
b6−H2O
y3
y9++
b14

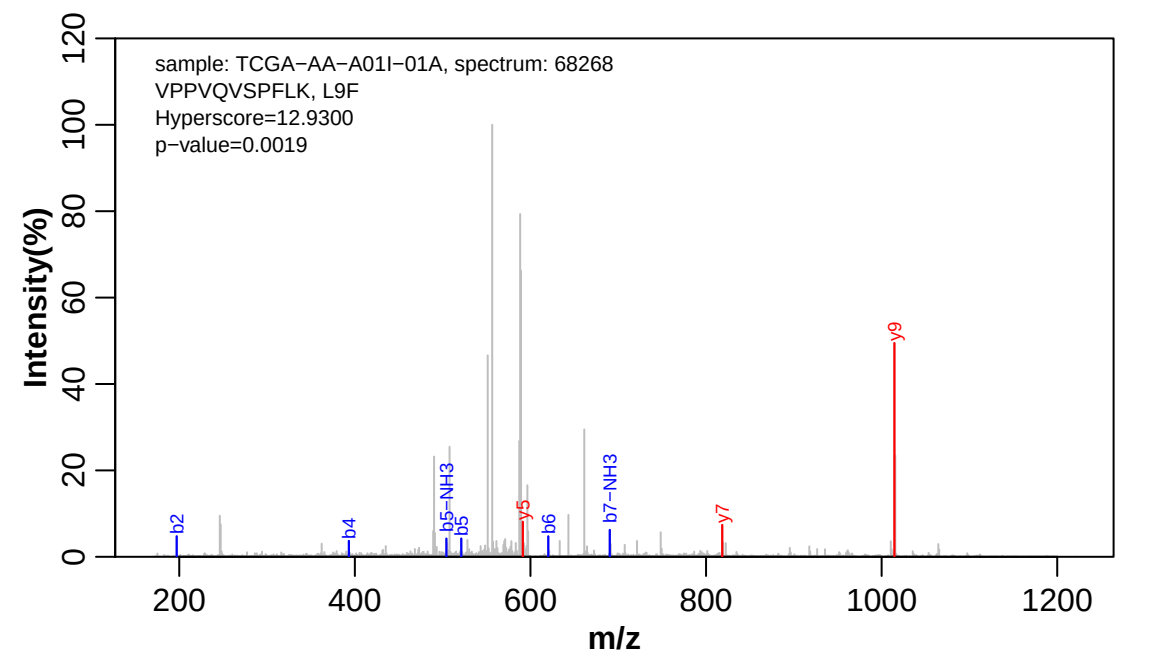

sample: TCGA−AA−A01I−01A, spectrum: 85856
TLEGLQVEEEPVYK, E14K
Hyperscore=42.7533
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y4
b5−H2O
b5
y7
y8
b8−H2O
y8−H2O
b9−H2O
b9
y10
y11
b12
y12
b13

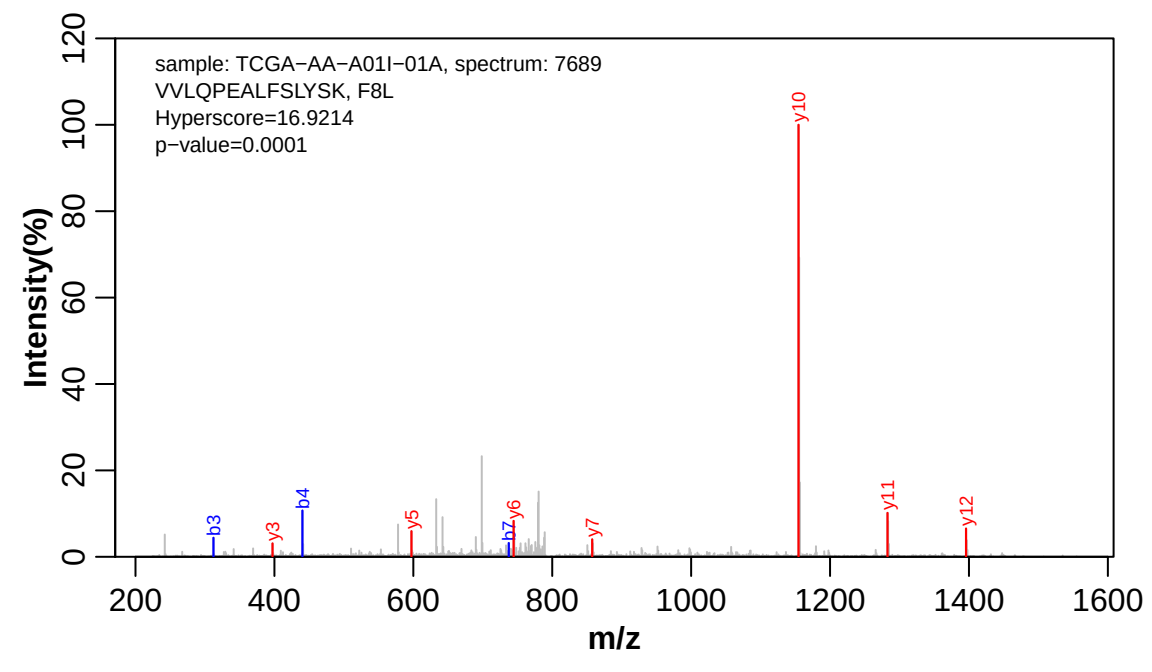

sample: TCGA−AA−A01I−01A, spectrum: 53480
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=72.8787
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b4
y3
y4
b7−H2O
b7
b8
b14++−H2O
y6
y7
b15++−H2O
b17++−NH3
b17++
b18++−H2O
b18++
b21++
b22++
b23++−H2O
b24++
b13−NH3
b14−H2O
b14
b15

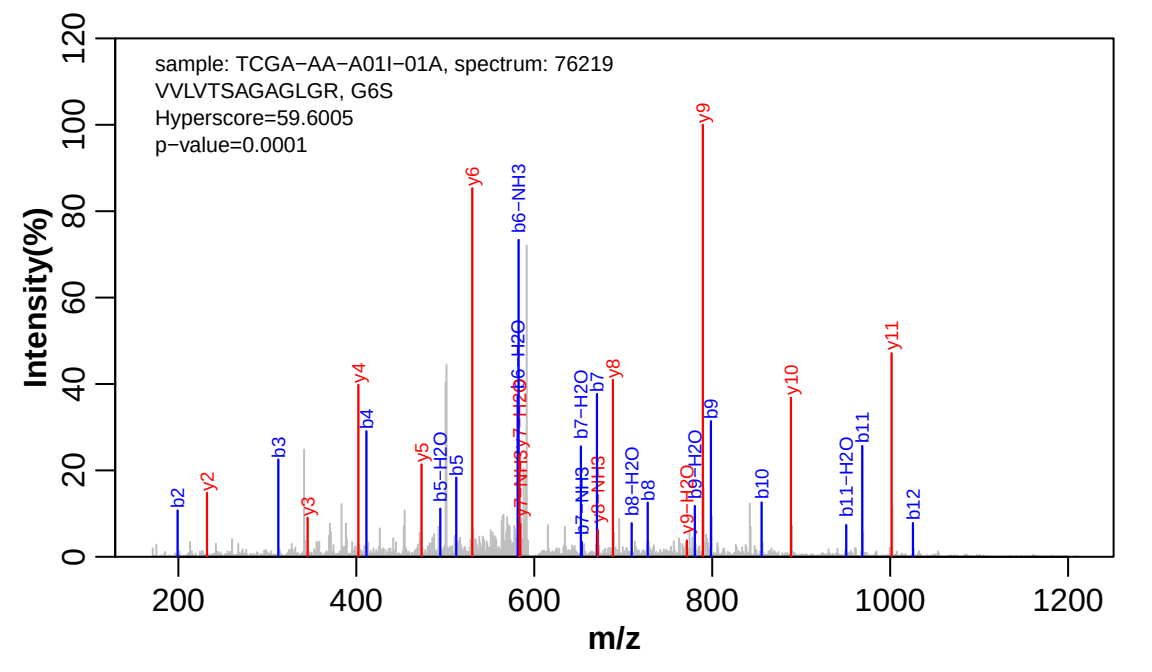

sample: TCGA−AA−A01I−01A, spectrum: 70378
TVEDLDGLLQQLYR, H10Q
Hyperscore=50.9588
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b4−H2O
b4
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
y5−NH3
b7
y6
y6−NH3
b8
y7
y7−H2O
b9
y8
b10
y9
y10
b11
b12
y11
y12
b13

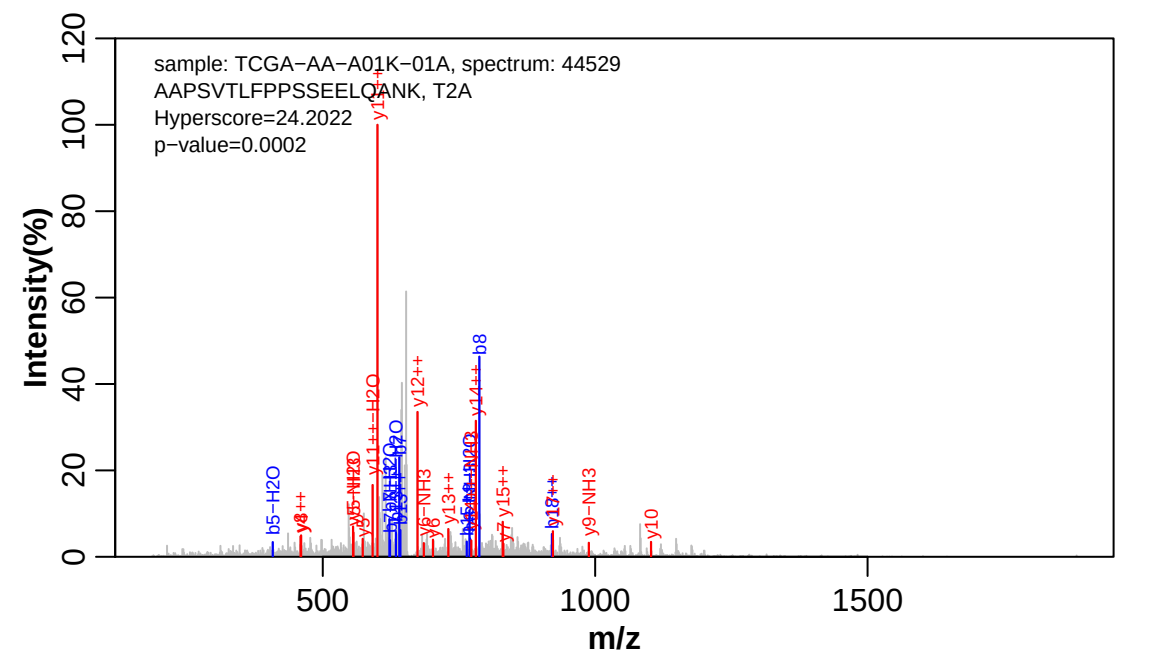

sample: TCGA−AA−A01I−01A, spectrum: 75919
VLLCGPVGPR, K10R
Hyperscore=30.8120
p−value=0.0001
Intensity(%)
m/z
y1
b2
y2
b3
y3
y4
b4−NH3
b4
y5−NH3
y5
b5−NH3
b5−H2O
y6
y7
b7
b8
y8

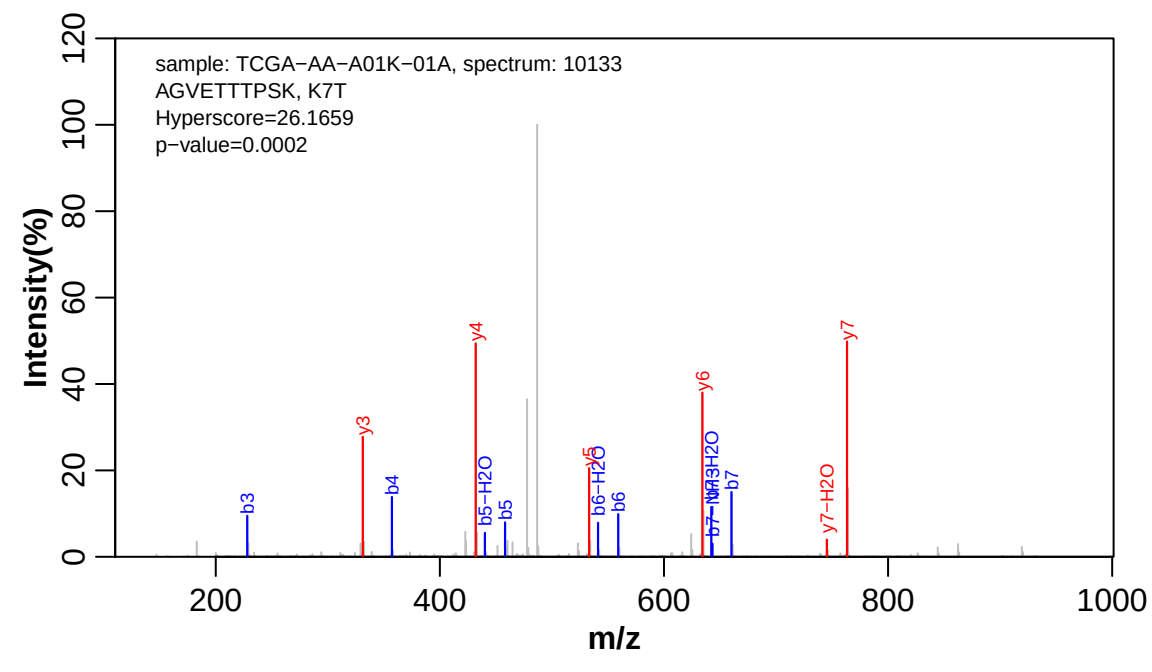

sample: TCGA−AA−A01I−01A, spectrum: 59228
VLLDGVQNLR, P9L
Hyperscore=43.6975
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3−NH3
y3
b4
b5−H2O
b5
y4−NH3
y4
b6−H2O
b6
y5
y6
b7
b8
y7
y8
b9

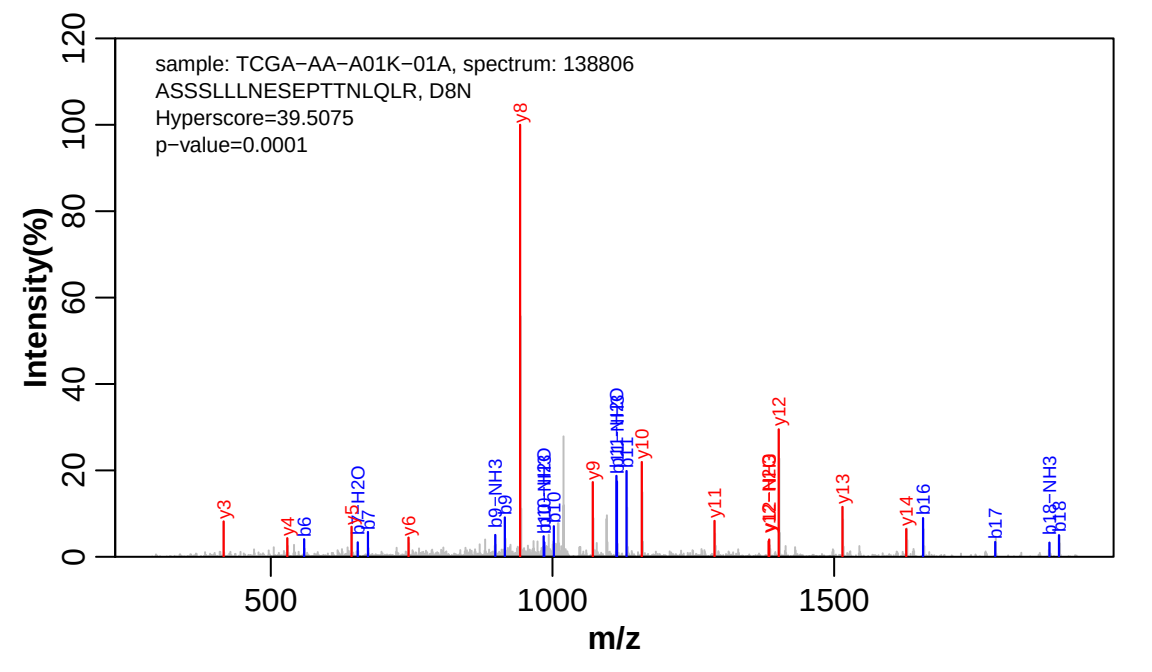

sample: TCGA−AA−A01I−01A, spectrum: 68268
VPPVQVSPFLK, L9F
Hyperscore=12.9300
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4
b5−NH3
b5
y5
b6
b7−NH3
y7
y9

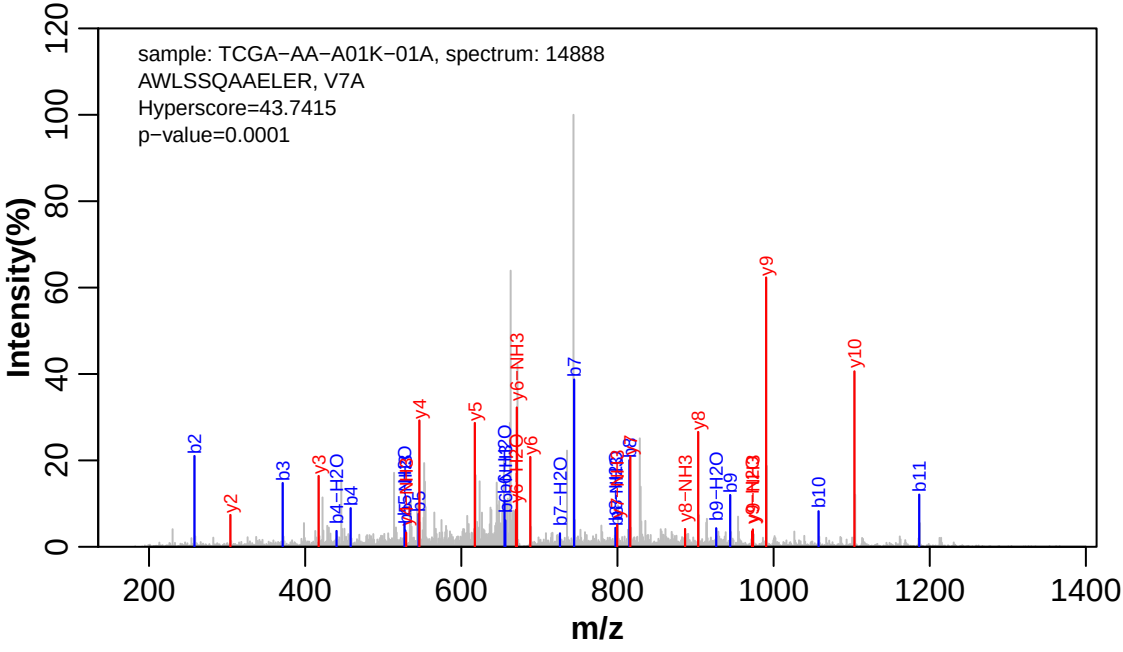

sample: TCGA−AA−A01I−01A, spectrum: 7689
VVLQPEALFSLYSK, F8L
Hyperscore=16.9214
p−value=0.0001
Intensity(%)
m/z
b3
y3
b4
y5
b7
y6
y7
y10
y11
y12

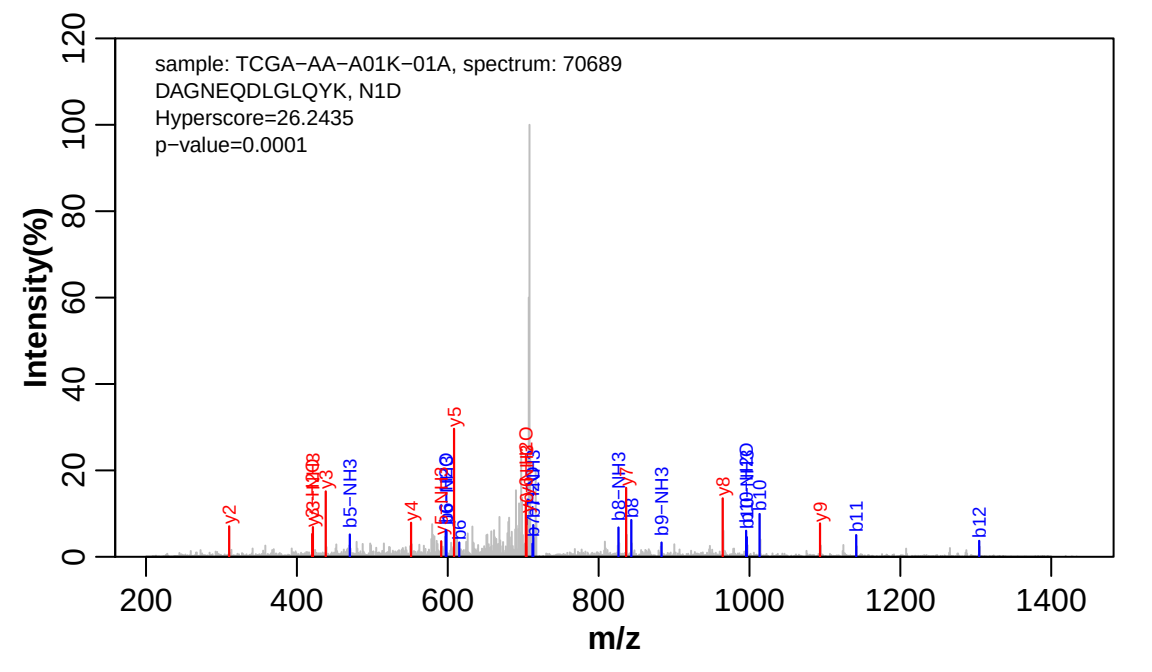

sample: TCGA−AA−A01I−01A, spectrum: 76219
VVLVTSAGAGLGR, G6S
Hyperscore=59.6005
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
y4
b4
y5
b5−H2O
b5
y6
b6−NH3
y7−NH3
y7−H2O
b6−H2O
b7−H2O
b7
b7−NH3
y8−NH3
y8
b8−H2O
b8
y9−H2O
y9−NH3
b9−H2O
y9
b9
b10
y10
b11−H2O
b11
y11
b12

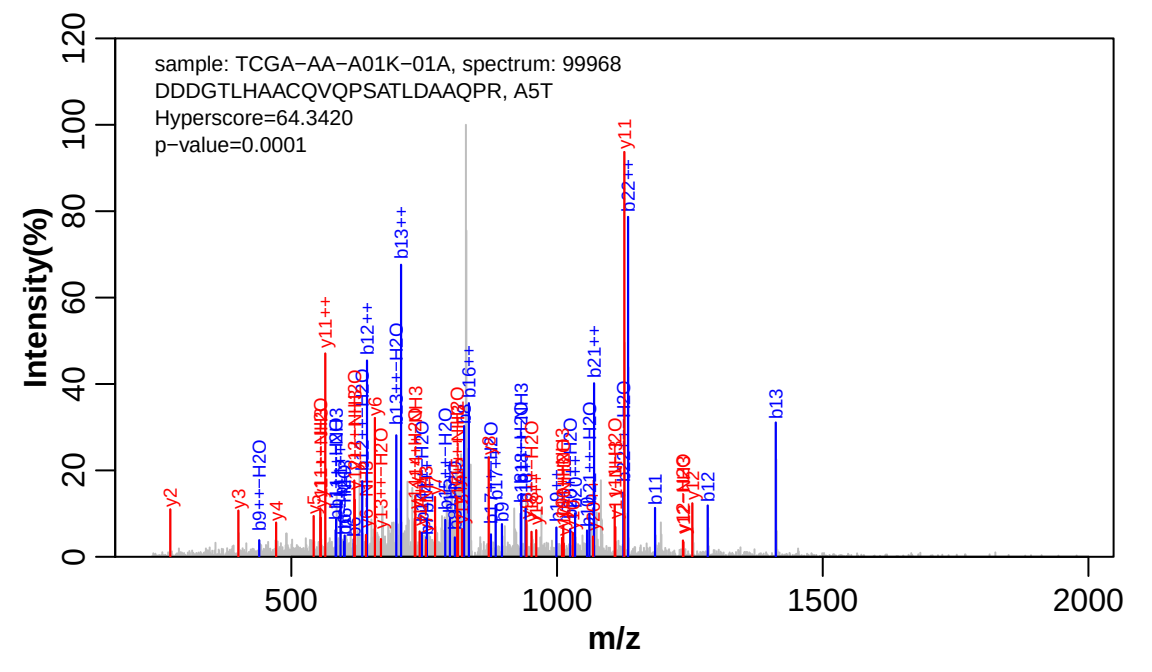

sample: TCGA−AA−A01K−01A, spectrum: 44529
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=24.2022
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5−H2O
y8++
y11++−H2O
y12++
y8−NH3
y13++
y15++
y14++
b8
y9−NH3
y10

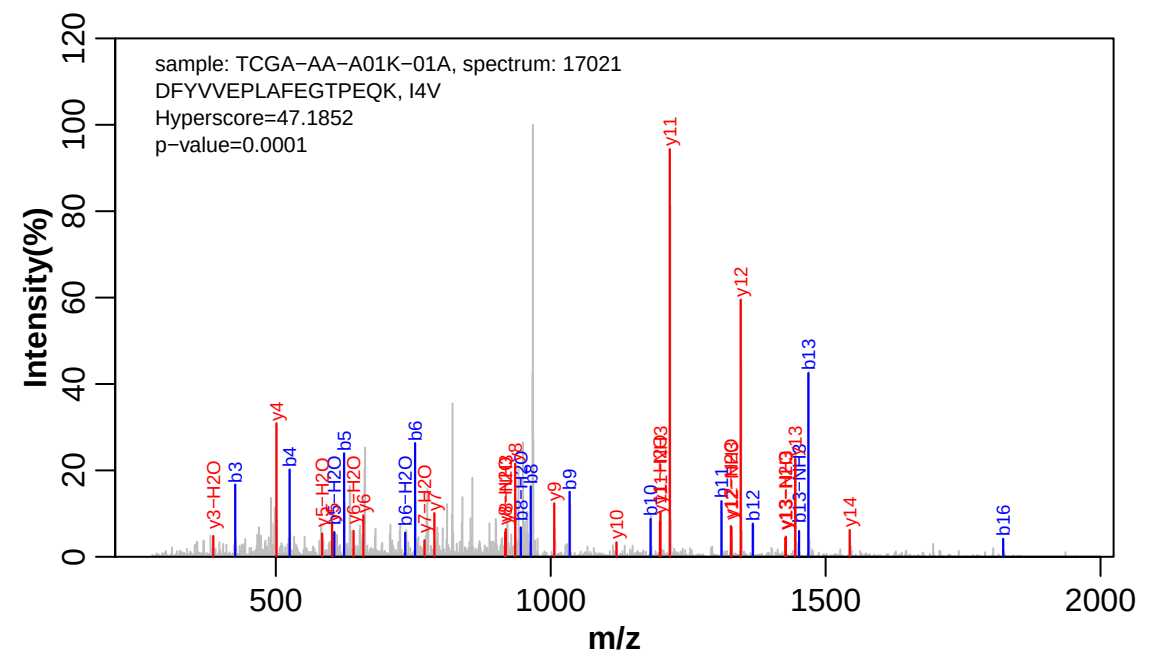

sample: TCGA−AA−A01K−01A, spectrum: 10133
AGVETTTPSK, K7T
Hyperscore=26.1659
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3H2O
b7
y7−H2O
y7

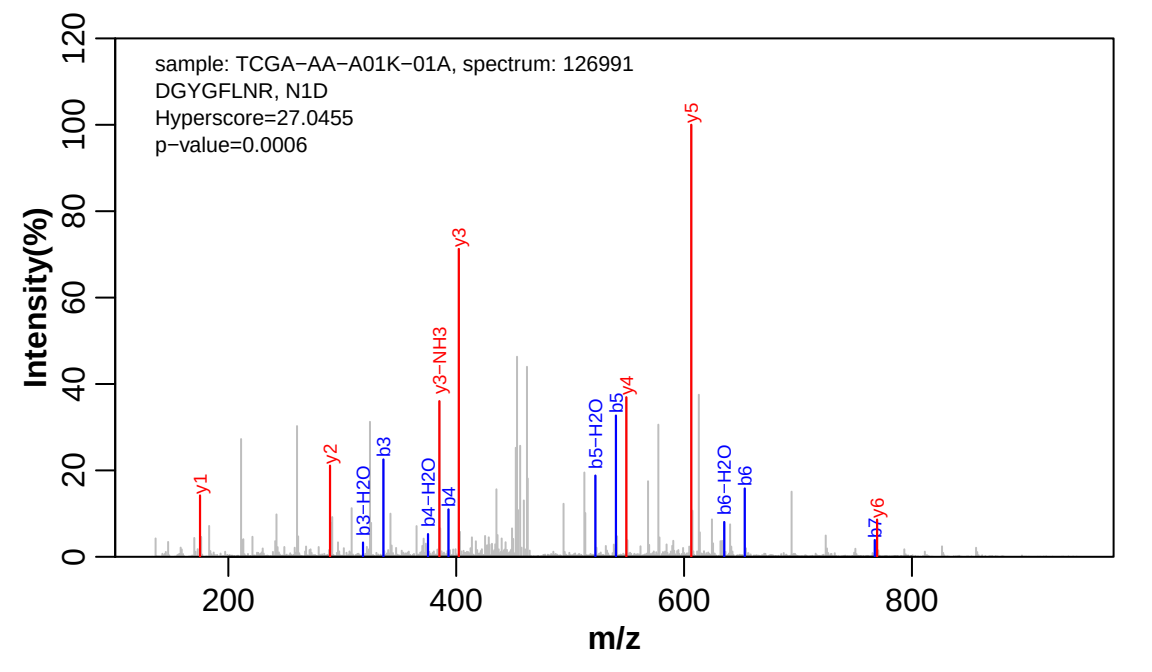

sample: TCGA−AA−A01K−01A, spectrum: 138806
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=39.5075
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y3
y4
b6
b7
y5
H2O
y6
b9
NH3
y9
y10
y11
y12
y13
y14
b16
b17
b18
b18−NH3

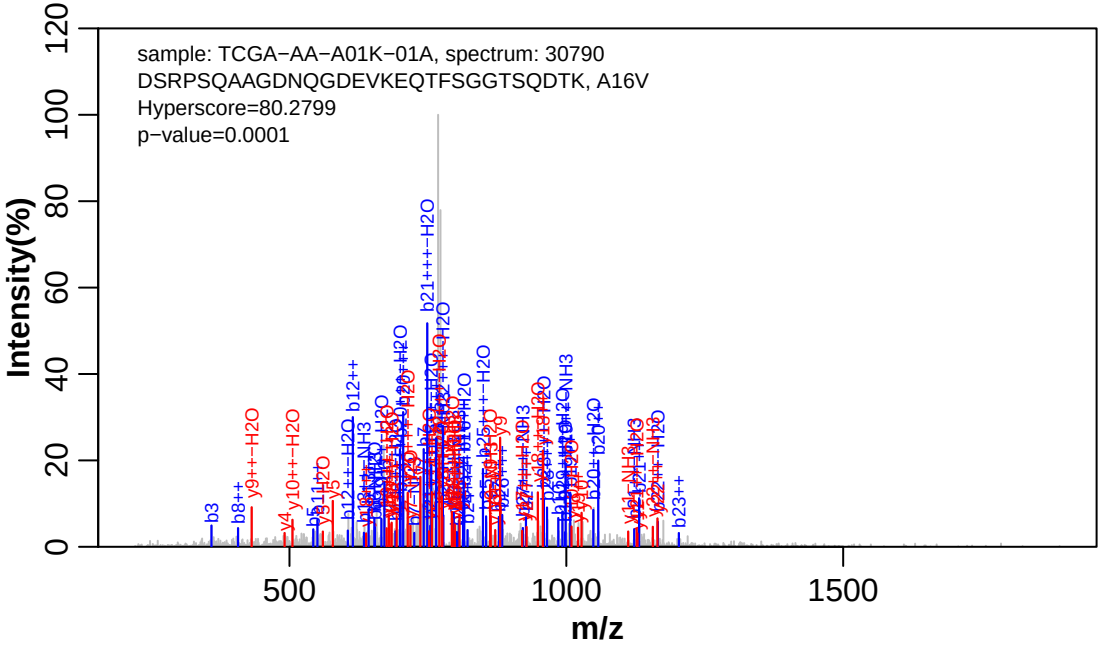

sample: TCGA−AA−A01K−01A, spectrum: 14888
AWLSSQAAELER, V7A
Hyperscore=43.7415
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4−H2O
b4
y4
y5
y6−NH3
b7
y6
b7−H2O
y8
y8−NH3
b9−H2O
b9
y9
y9−NH3
b10
y10
b11

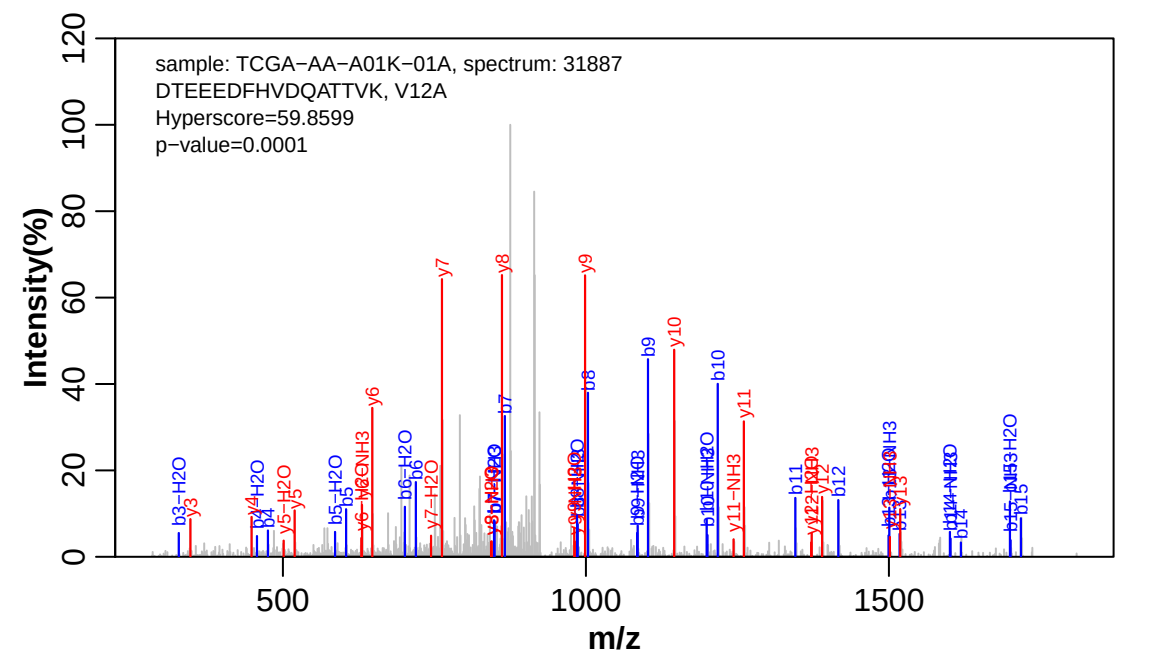

sample: TCGA−AA−A01K−01A, spectrum: 70689
DAGNEQDLGLQYK, N1D
Hyperscore=26.2435
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
b5−NH3
y4
y5
b6
b8−NH3
b8
y7
b9−NH3
y8
b10
y9
b11
b12

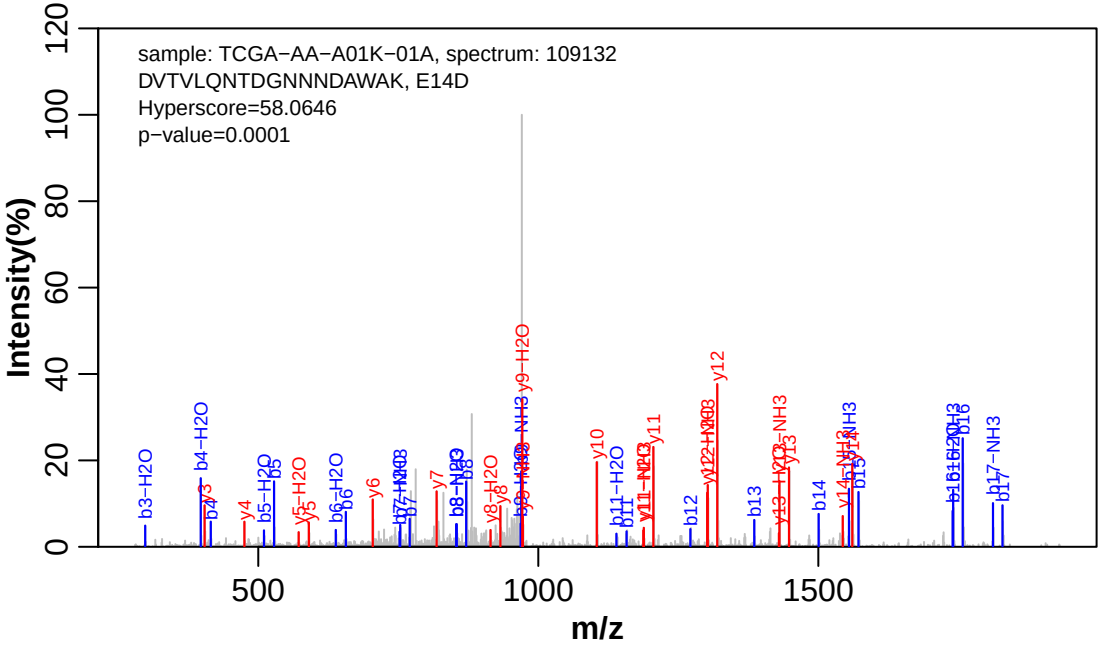

sample: TCGA−AA−A01K−01A, spectrum: 99968
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=64.3420
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
b9++−H2O
y4
y11++
b12++
b13++
b13++−H2O
b16++
b21++
b22++
y11
b13
b11
b12

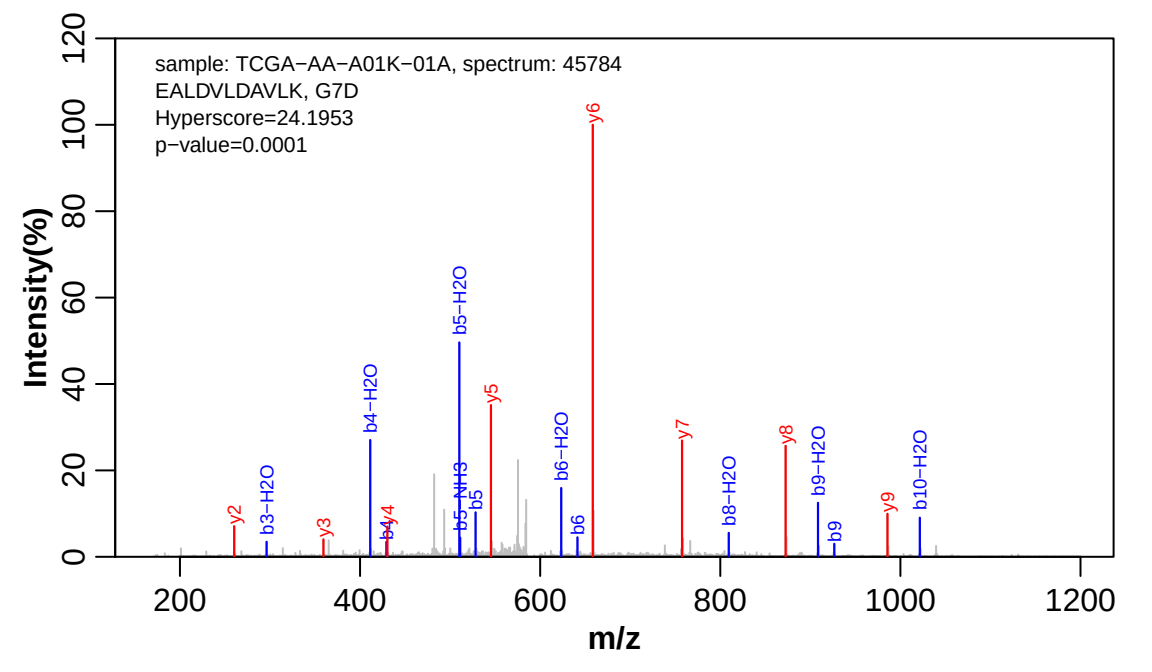

sample: TCGA−AA−A01K−01A, spectrum: 17021
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=47.1852
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y11
y12
b13
y4
b4
b3
b5
b6
y14
b16
y10
b9
b12
y9
b11
b10
b8
y8
y7
y6
y5
y3
y2
y1
b2
b7
b14
b15
y13
y15
y16
y17
y18
y19
y20
y21
y22
y23
y24
y25
y26
y27
y28
y29
y30
y31
y32
y33
y34
y35
y36
y37
y38
y39
y40
y41
y42
y43
y44
y45
y46
y47
y48
y49
y50
y51
y52
y53
y54

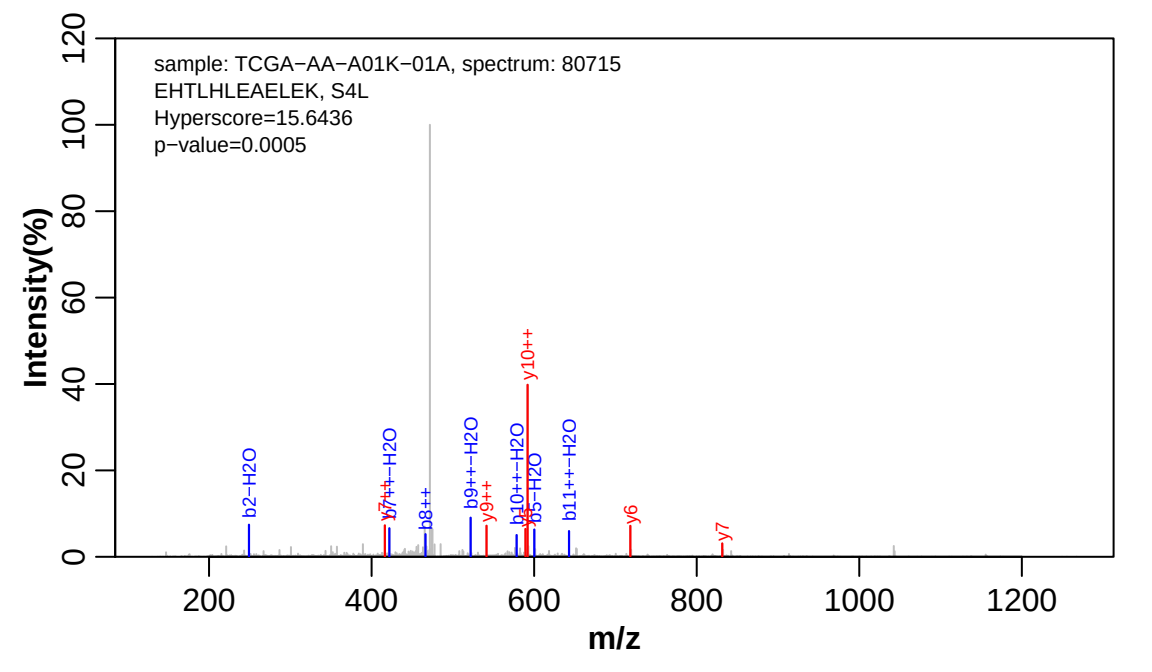

sample: TCGA−AA−A01K−01A, spectrum: 126991
DGYGFLNR, N1D
Hyperscore=27.0455
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

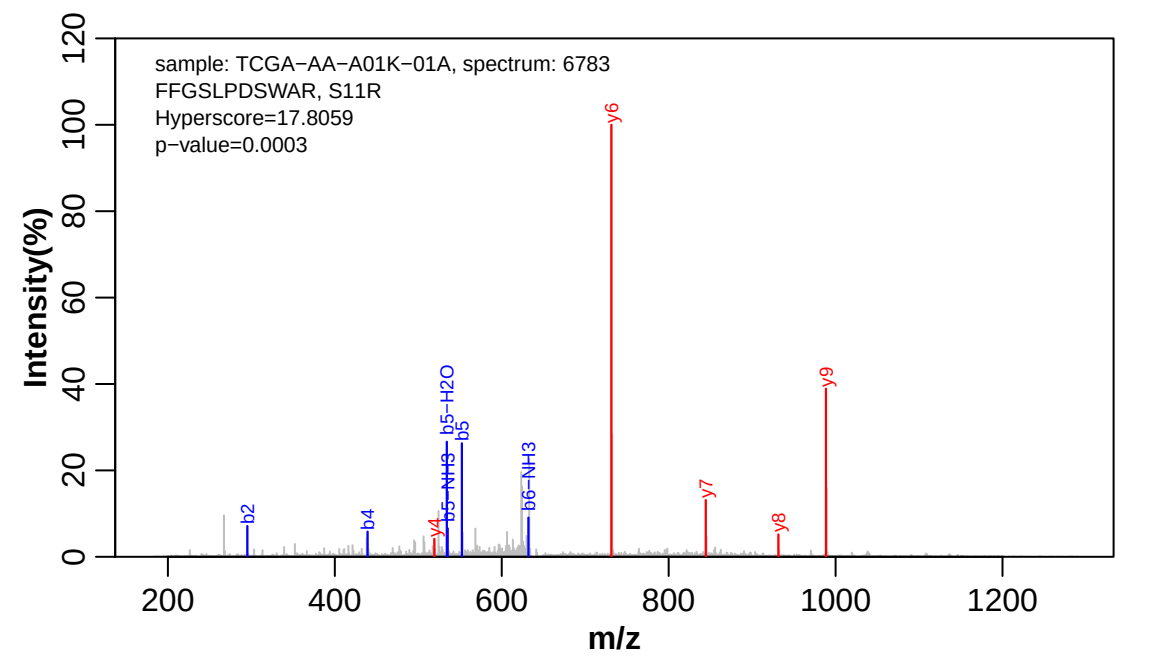

sample: TCGA−AA−A01K−01A, spectrum: 30790
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=80.2799
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
b8++
y9++−H2O
y4
y10++−H2O
b5
y11++
b12++−H2O
b12++
b21+++−H2O
b25+++−H2O
b23++

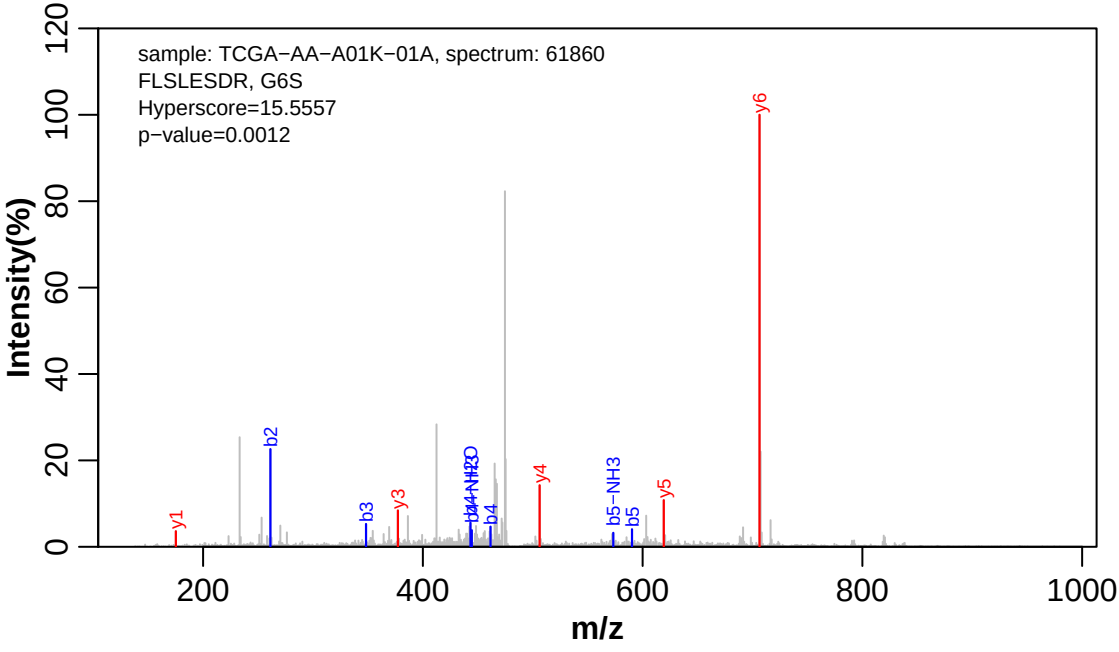

sample: TCGA−AA−A01K−01A, spectrum: 31887
DTEEEDFHVDQATTVK, V12A
Hyperscore=59.8599
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y3
y4−H2O
b4
y5−H2O
y5
b5−H2O
b5
y6−H2O−NH3
y6
b6−H2O
b6
y7−H2O
y7
y8
b7
y9
b8
b9
y10
b10
y11
y11−NH3
b11
b12
b14
b15

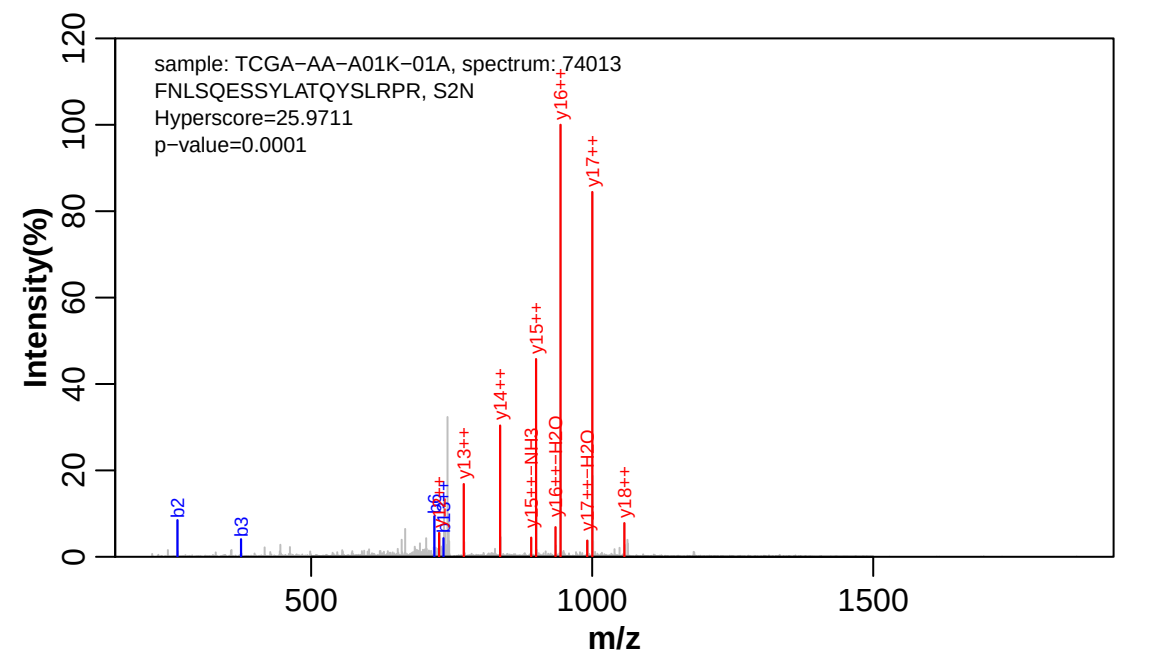

sample: TCGA−AA−A01K−01A, spectrum: 109132
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=58.0646
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b4−H2O
y3
b2
y4
b5−H2O
b5
y5−H2O
y5
b6−H2O
b6
y6
y7
b8−H2O
b8
y8−H2O
y8
y9−H2O
y10
b11−H2O
y11
b12
y12
b13
y13−NH3
b14
b15
b16
b17−NH3

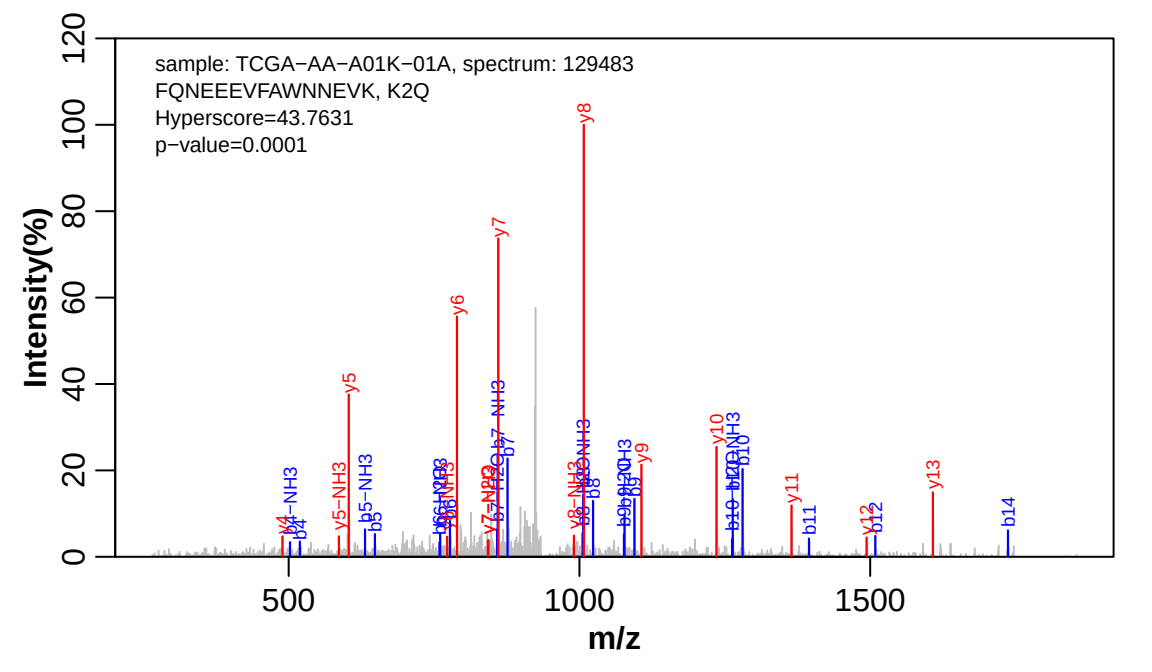

sample: TCGA−AA−A01K−01A, spectrum: 45784
EALDVLDAVLK, G7D
Hyperscore=24.1953
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
b4/4
b5−NH3
b5
b5−H2O
y5
b6−H2O
b6
y6
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O

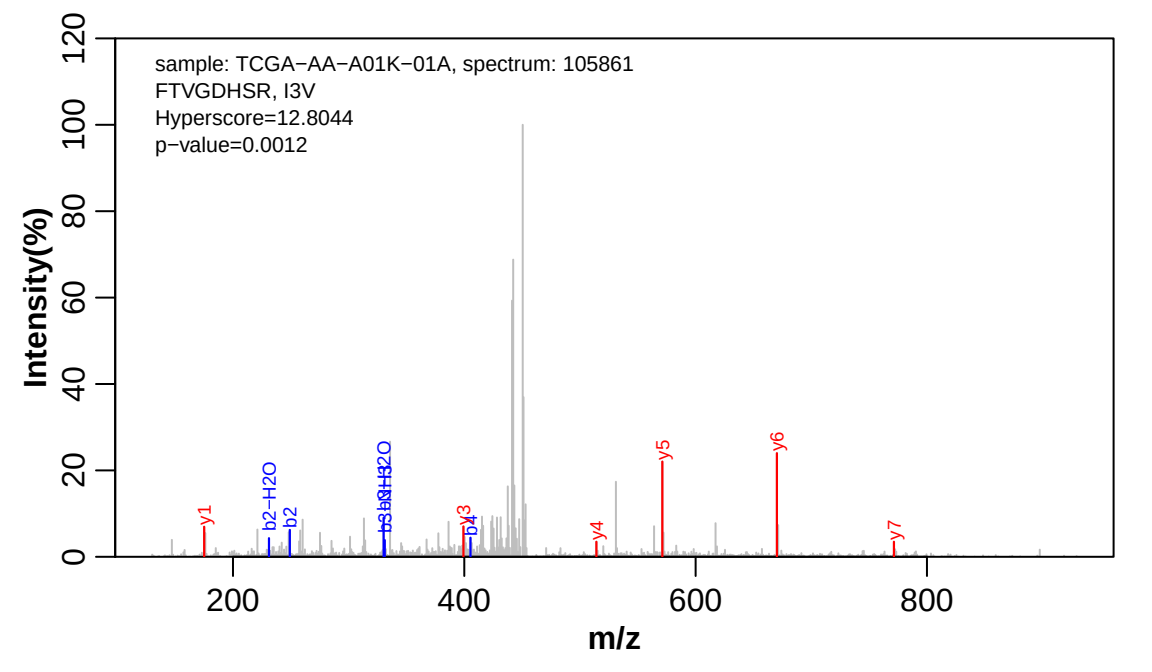

sample: TCGA−AA−A01K−01A, spectrum: 80715
EHTLHLEAELEK, S4L
Hyperscore=15.6436
p−value=0.0005
Intensity(%)
m/z
b2−H2O
y7++−H2O
b8++
b9++−H2O
y9++
y10++
b10++−H2O
y5−H2O
b11++−H2O
y6
y7

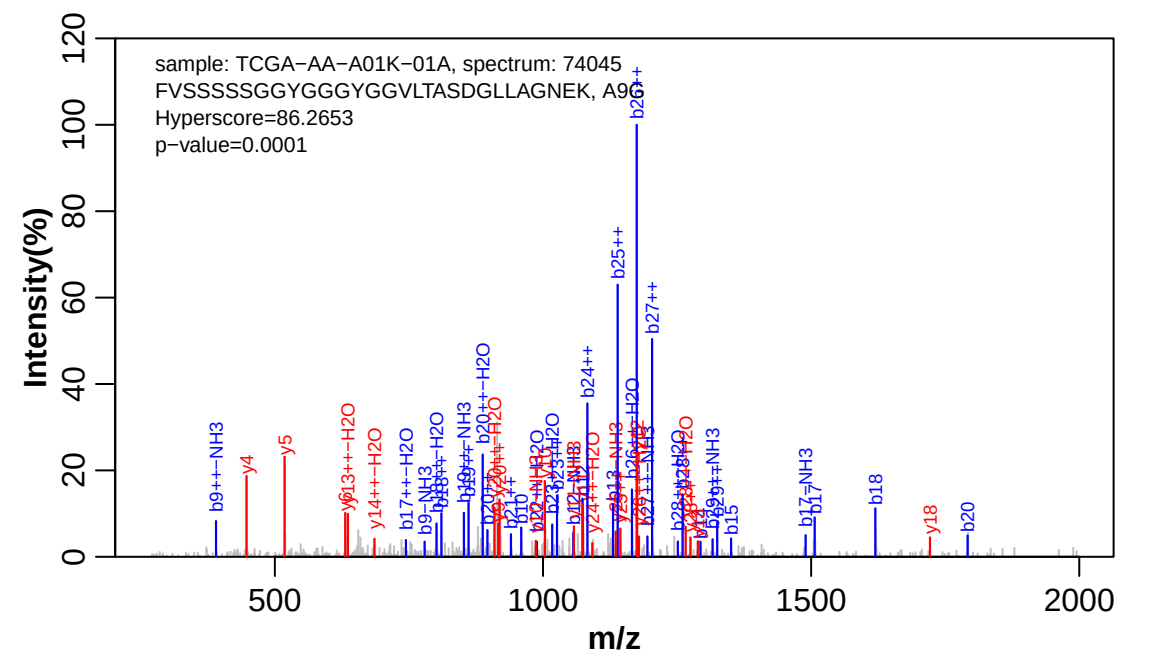

sample: TCGA−AA−A01K−01A, spectrum: 6783
FFGSLPDSWAR, S11R
Hyperscore=17.8059
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

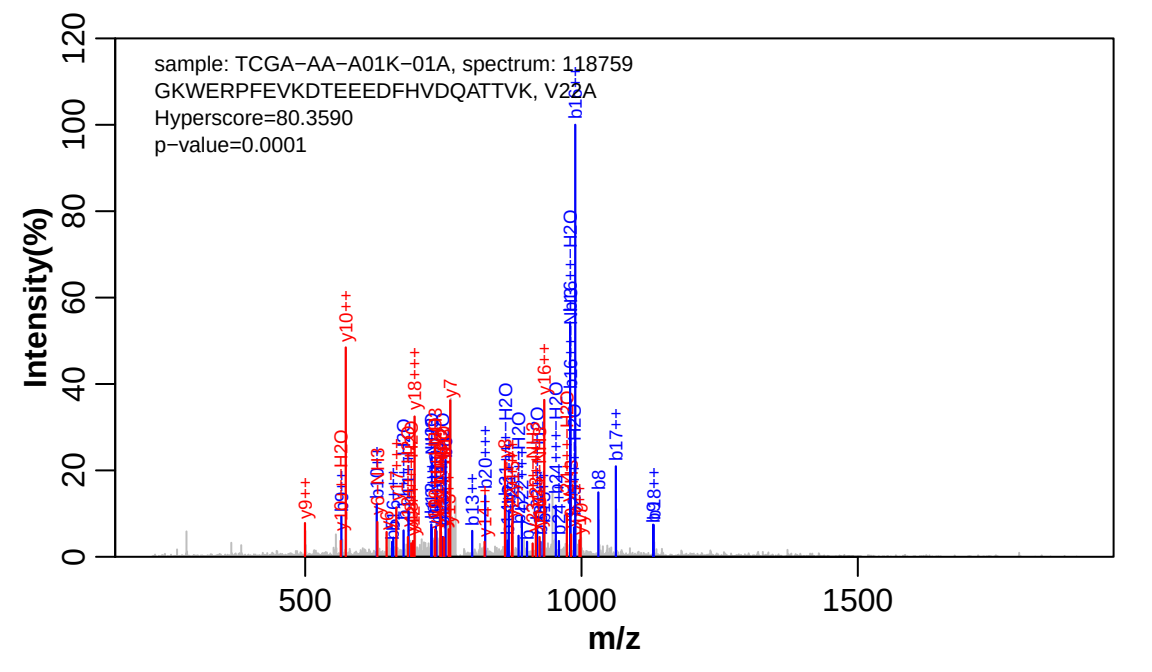

sample: TCGA−AA−A01K−01A, spectrum: 61860
FLSLESDR, G6S
Hyperscore=15.5557
p−value=0.0012
Intensity(%)
m/z
y1
b2
b3
y3
b4
y4
b5−NH3
b5
y5
y6

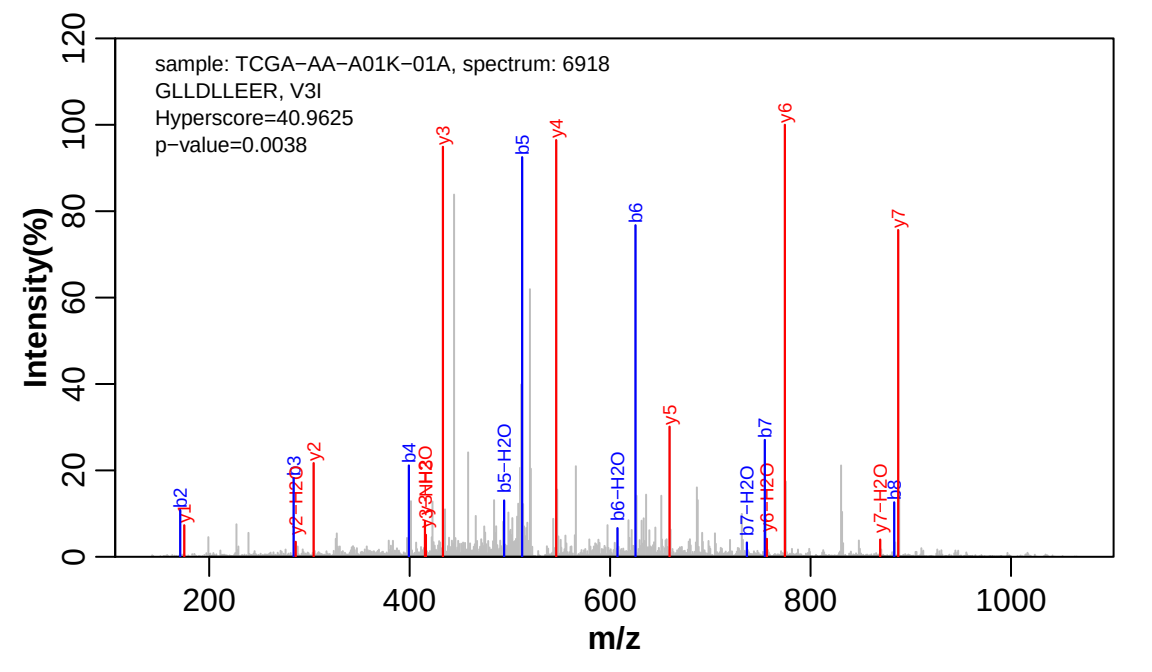

sample: TCGA−AA−A01K−01A, spectrum: 74013
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=25.9711
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
y13++
y14++
y15++
y15++−NH3
y16++
y16++−H2O
y17++
y17++−H2O
y18++

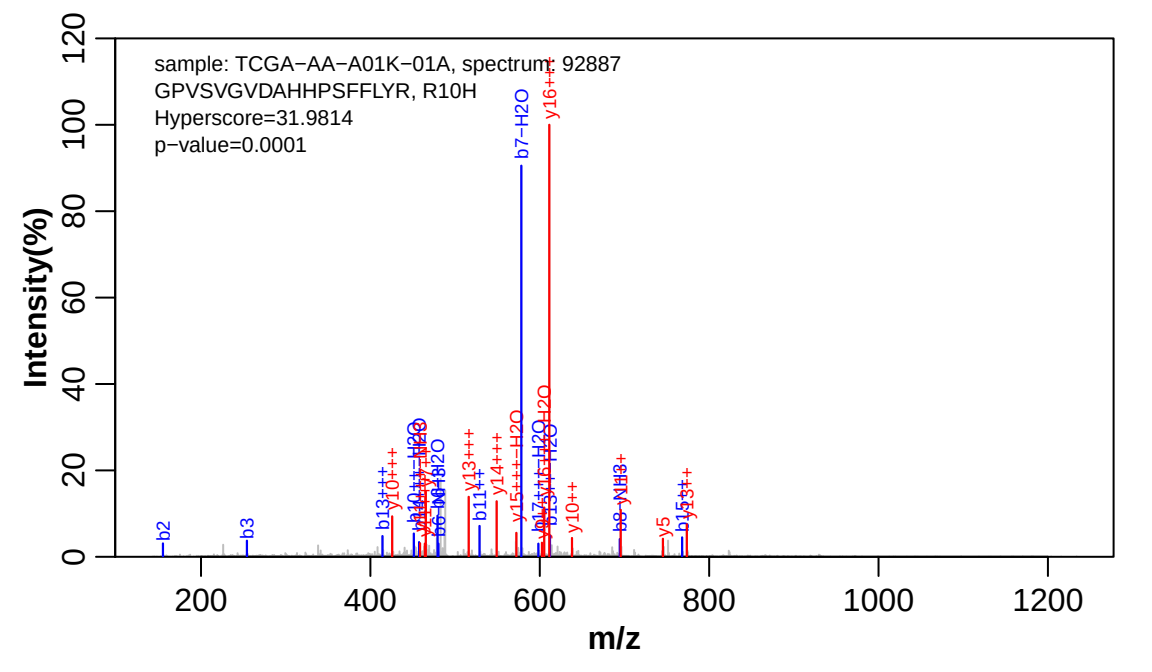

sample: TCGA−AA−A01K−01A, spectrum: 129483
FQNEEEVFAWNNEVK, K2Q
Hyperscore=43.7631
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y7
y6
y5
y5−NH3
b5−NH3
b5
y4
b4
y4−NH3
y8−NH3
y9
y10
y11
y13
b11
b14
y12
b12

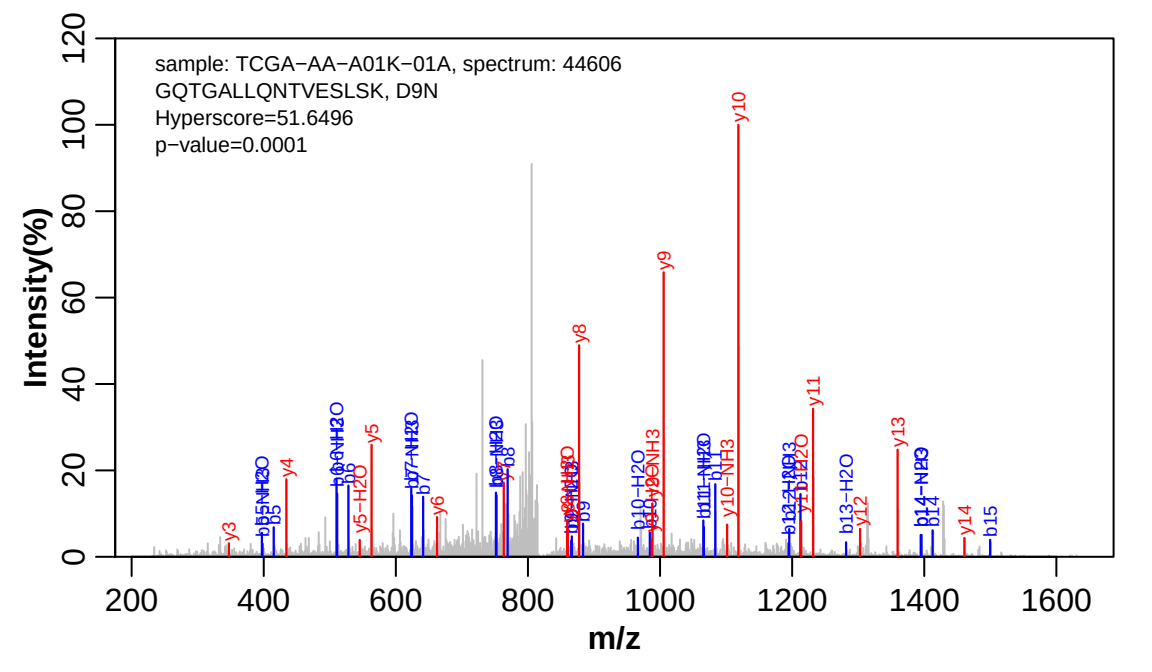

sample: TCGA−AA−A01K−01A, spectrum: 105861
FTVGDHSR, I3V
Hyperscore=12.8044
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
y3
b4
y4
y5
y6
y7

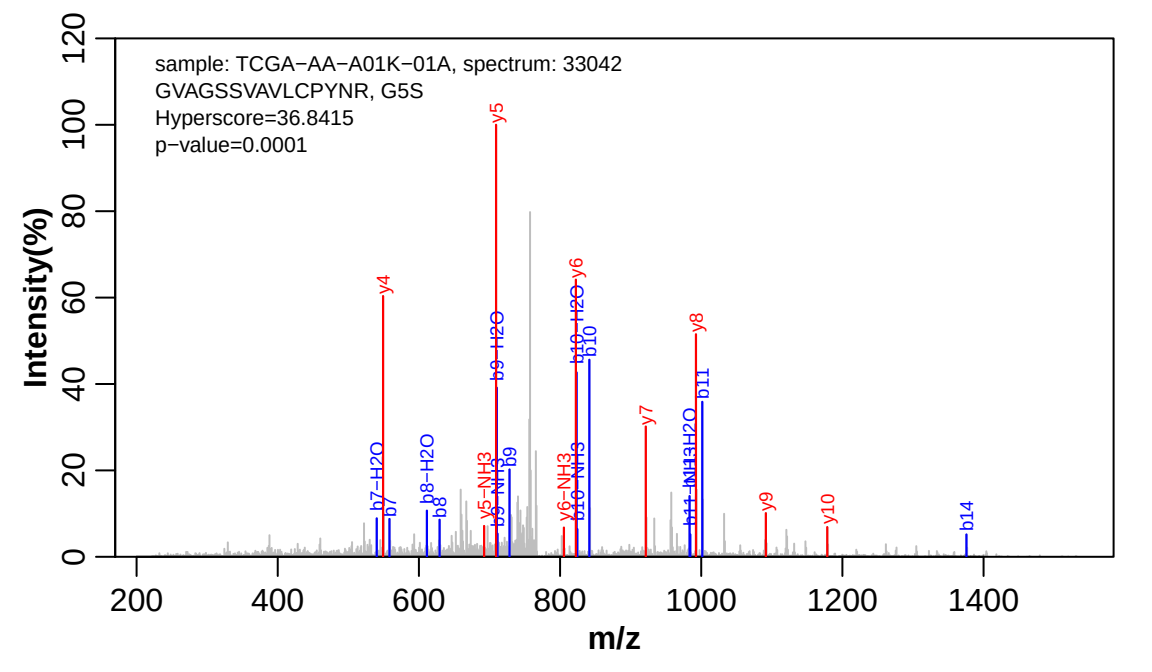

sample: TCGA−AA−A01K−01A, spectrum: 74045
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=86.2653
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y13++−H2O
y14++−H2O
b17++−H2O
b9−NH3
b9++−H2O
b19++−NH3
b20++−H2O
b21++
b10
b24++
b25++
b26++
b27++
b17−NH3
b18
y18
b20
b15

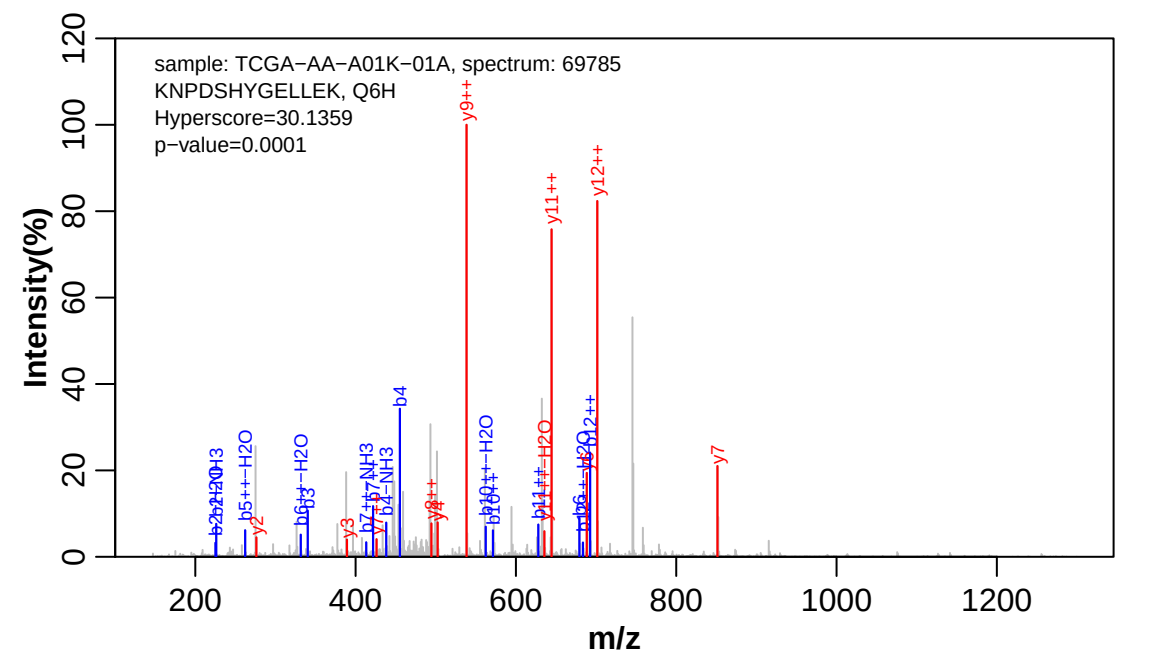

sample: TCGA−AA−A01K−01A, spectrum: 118759
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=80.3590
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9++
y10++
b13++
b20+++
b17++
b8
b18++
b16++
y16++
y18+++
y7
b1++
H2O

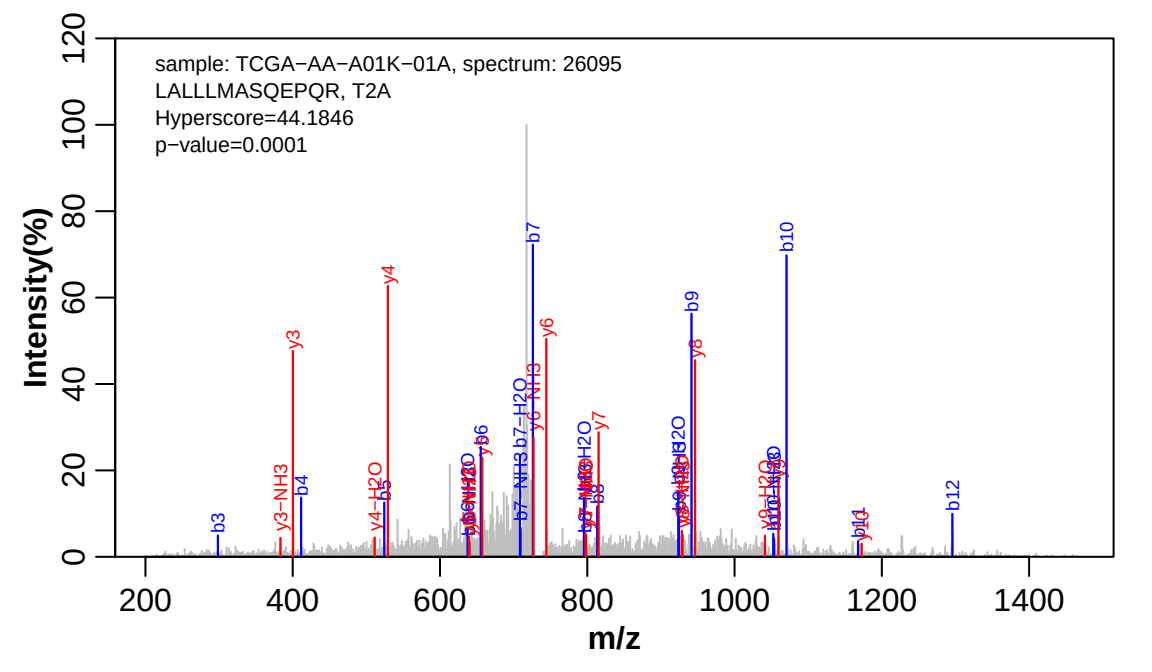

sample: TCGA−AA−A01K−01A, spectrum: 6918
GLLDLLEER, V3I
Hyperscore=40.9625
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2−H2O
y3
b4
y3−NH2O
b5−H2O
y4
b5
b6−H2O
b6
y5
b7−H2O
y6−H2O
b7
y6
y7−H2O
b8
y7

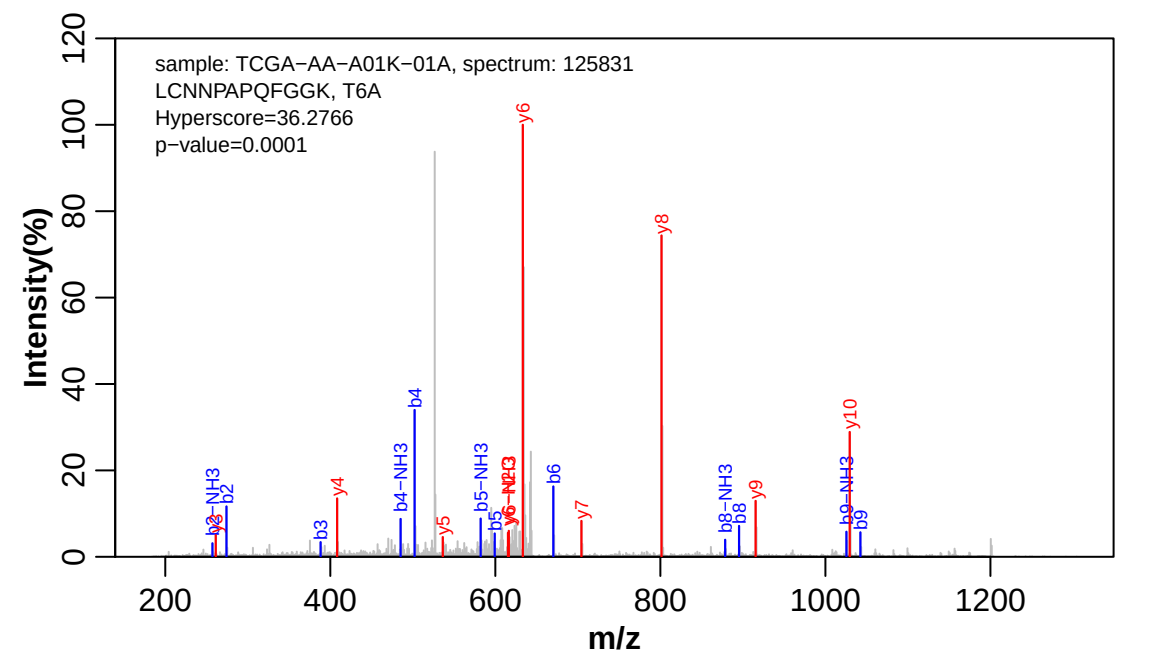

sample: TCGA−AA−A01K−01A, spectrum: 92887
GPVSVGVDAHHPSFFLYR, R10H
Hyperscore=31.9814
p−value=0.0001
Intensity(%)
m/z
b2
b3
b13++
y10+++
b11++
y13+++
y14+++
y15+++−H2O
b7−H2O
y16++
y10++
b9−NH3
y5
b15++
0
20
40
60
80
100
120
200
400
600
800
1000
1200

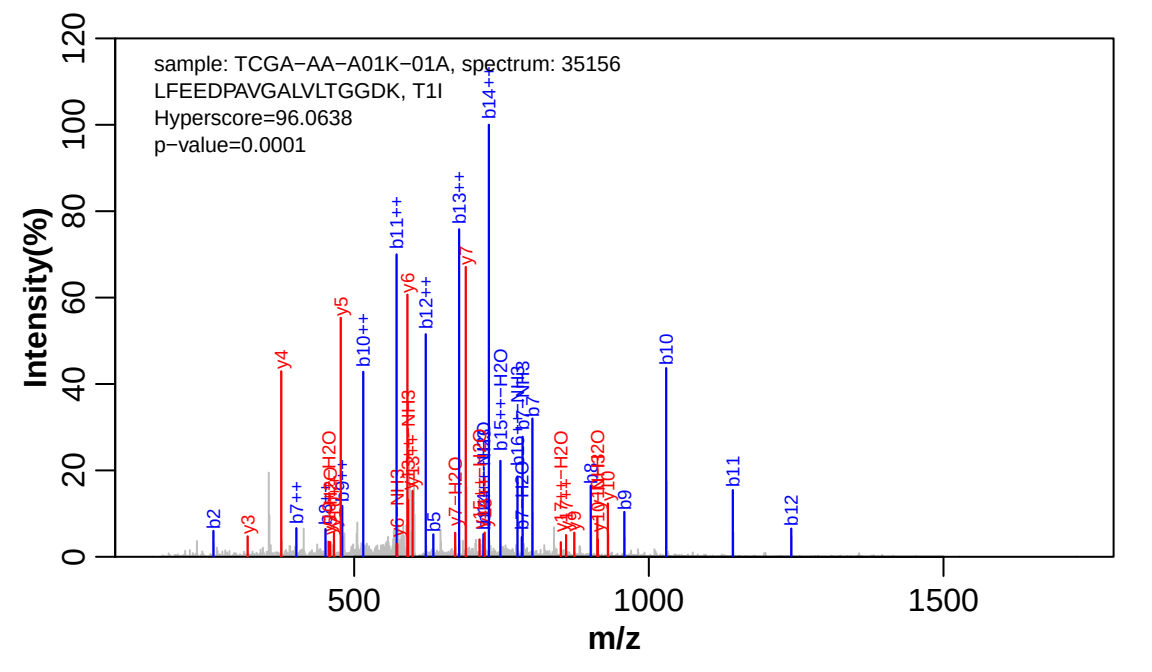

sample: TCGA−AA−A01K−01A, spectrum: 44606
GQTGALLQNTVESLSK, D9N
Hyperscore=51.6496
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y5
y4
y6
y3
y12
y14
b15
b13−H2O
y10−NH3
y5−H2O

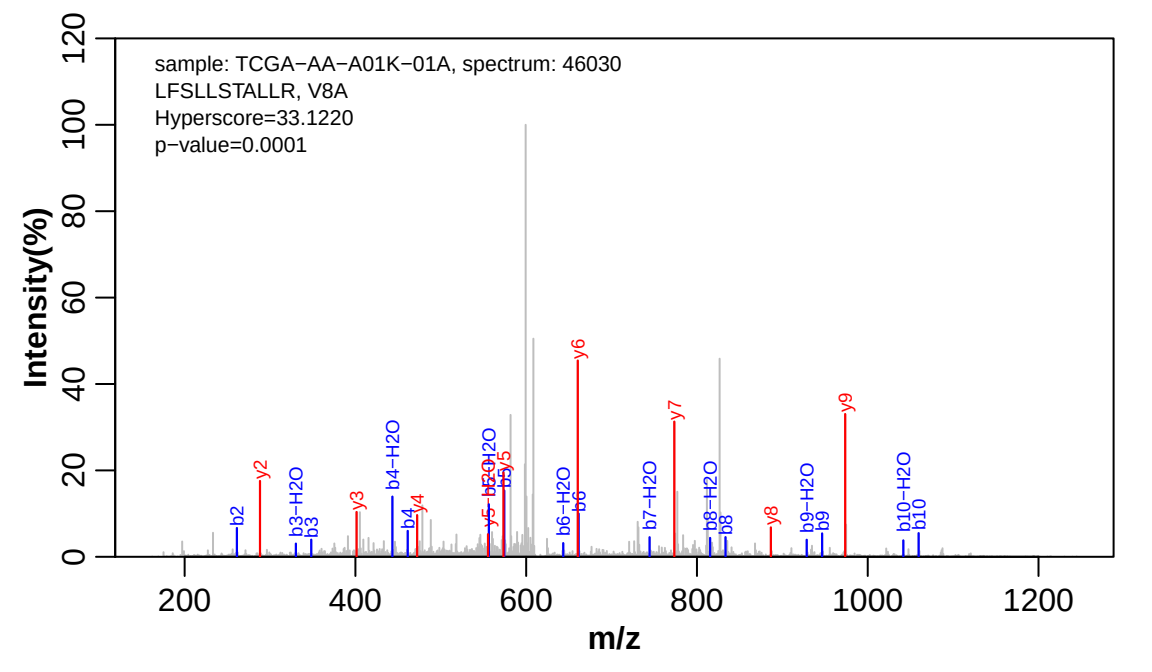

sample: TCGA−AA−A01K−01A, spectrum: 33042
GVAGSSVAVLCPYNR, G5S
Hyperscore=36.8415
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y4
y6
y8
y7
y9
y10
b14
b9−H2O
b10−H2O
b10
b11
b7−H2O
b7
b8−H2O
b8
b9
y5−NH3
y6−NH3
b10−NH3
b11−NH3H2O

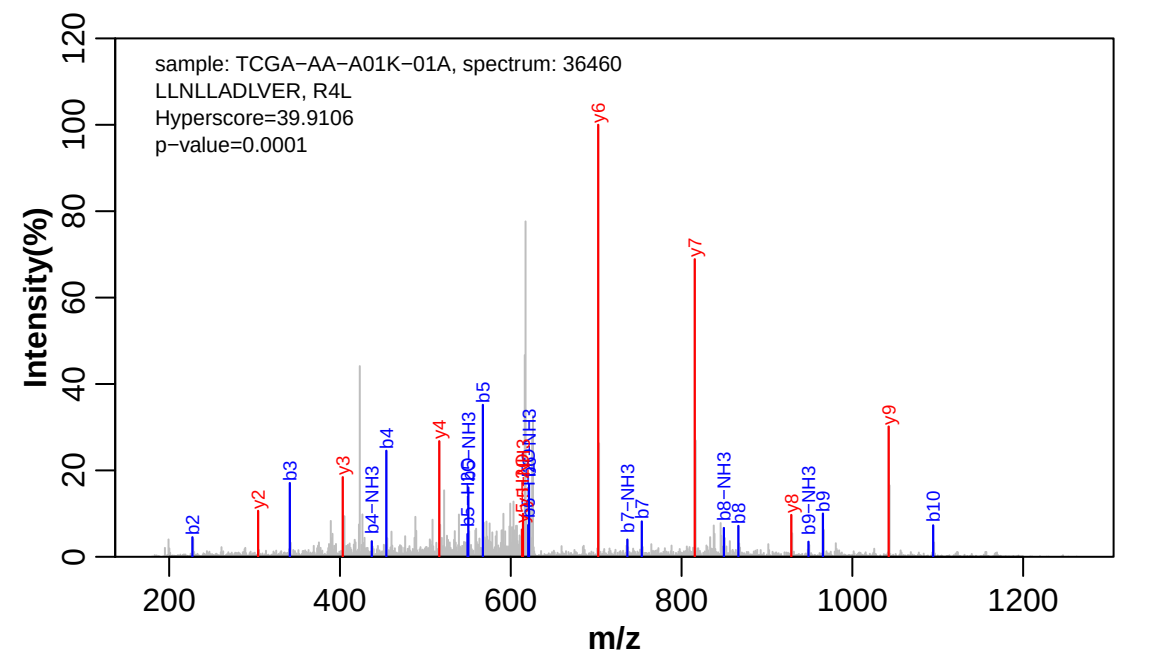

sample: TCGA−AA−A01K−01A, spectrum: 69785
KNPDSHYGELLEK, Q6H
Hyperscore=30.1359
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y9++
y11++
y12++
y7
b4
y2
y3
b3
b5++−H2O
b6++−H2O
b10++−H2O
y11++−H2O
y12++−H2O
b4−NH3
y7++−NH3

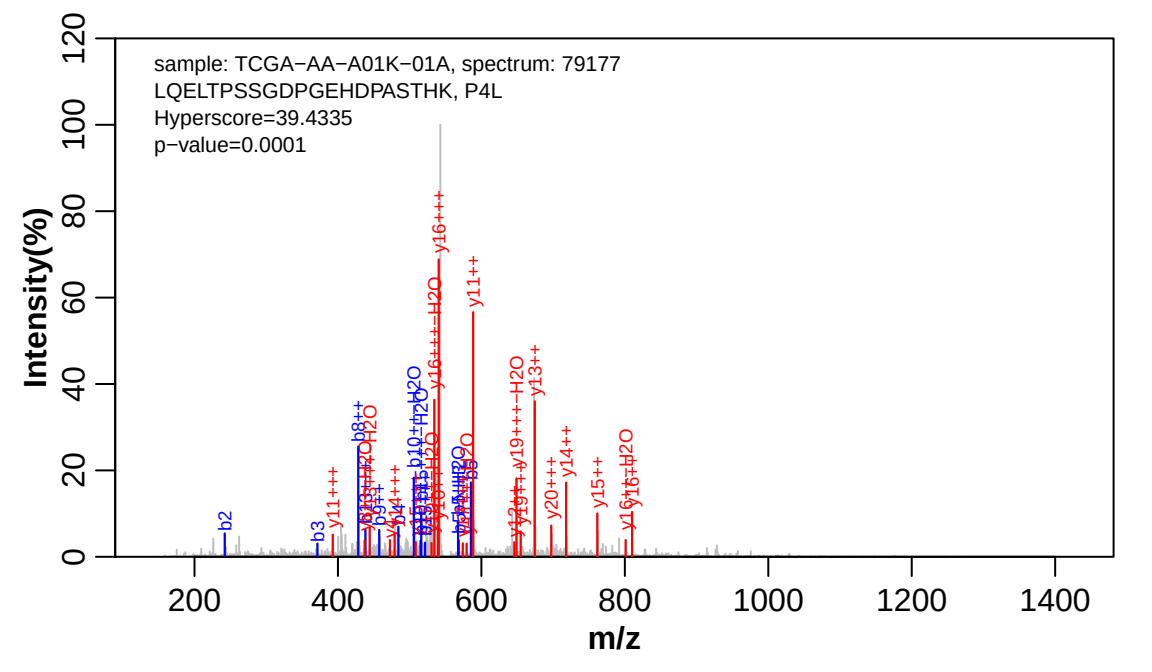

sample: TCGA−AA−A01K−01A, spectrum: 26095
LALLLMASQEPQR, T2A
Hyperscore=44.1846
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3−NH3
b4
y3
y4−H2O
b5
y4
b7−H2O
b7−NH3
b7
y6−NH3
y6
y7
b9
y8
b10
b12
y11

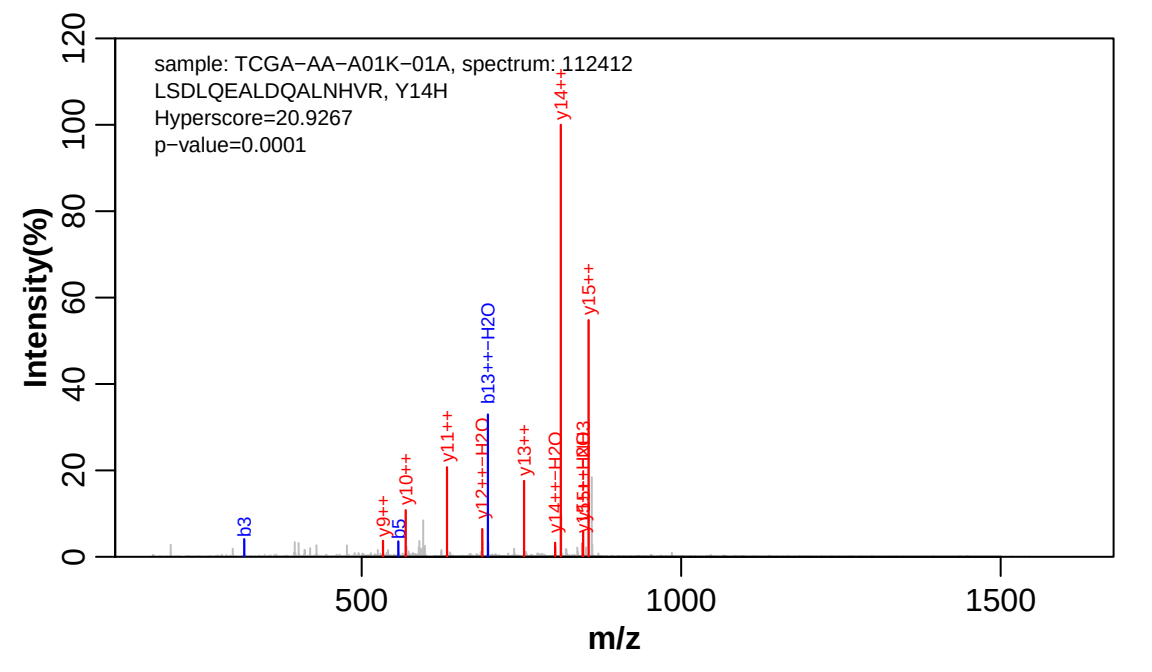

sample: TCGA−AA−A01K−01A, spectrum: 125831
LCNNPAPQFGGK, T6A
Hyperscore=36.2766
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−NH3
b2
b3
y4
b4−NH3
b4
y5
b5−NH3
b5
y6−NH3
y6
b6
y7
y8
b8−NH3
b8
y9
b9−NH3
y10
b9

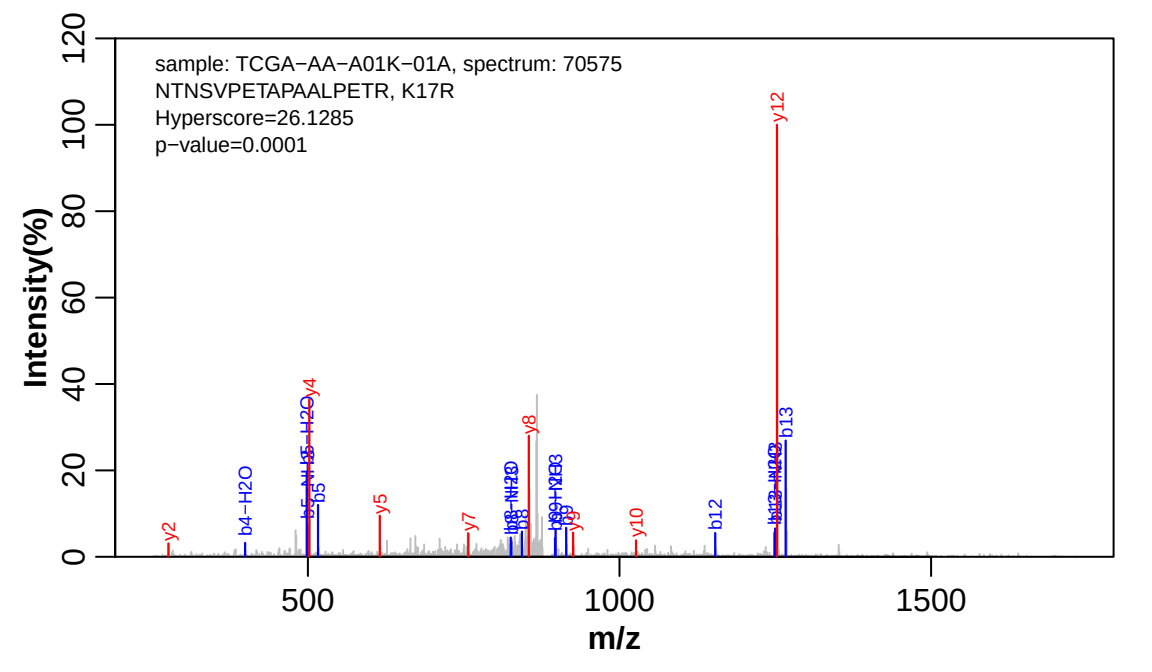

sample: TCGA−AA−A01K−01A, spectrum: 35156
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=96.0638
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y4
b7++
y5
b10++
b11++
y6
b12++
b13++
y7
b14++
b5
b10
b11
b12
b9

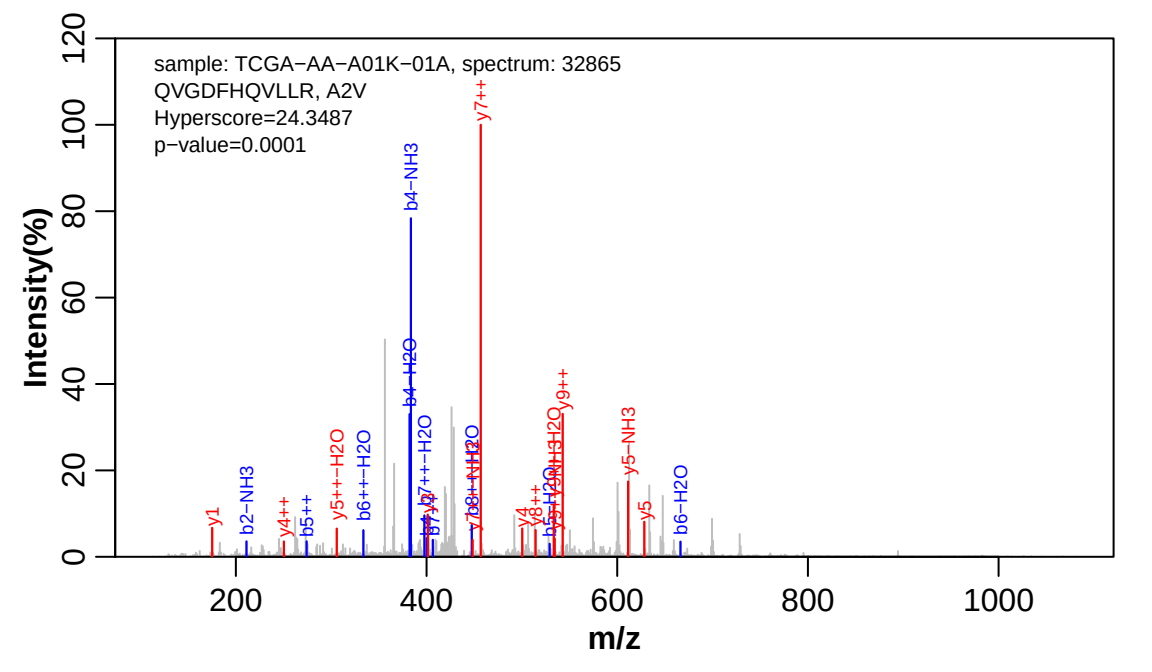

sample: TCGA−AA−A01K−01A, spectrum: 46030
LFSLLSTALLR, V8A
Hyperscore=33.1220
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
y5−H2O
b5/5
b6−H2O
b6
y6
b7−H2O
y7
b8−H2O
b8
y8
b9−H2O
b9
y9
b10−H2O
b10

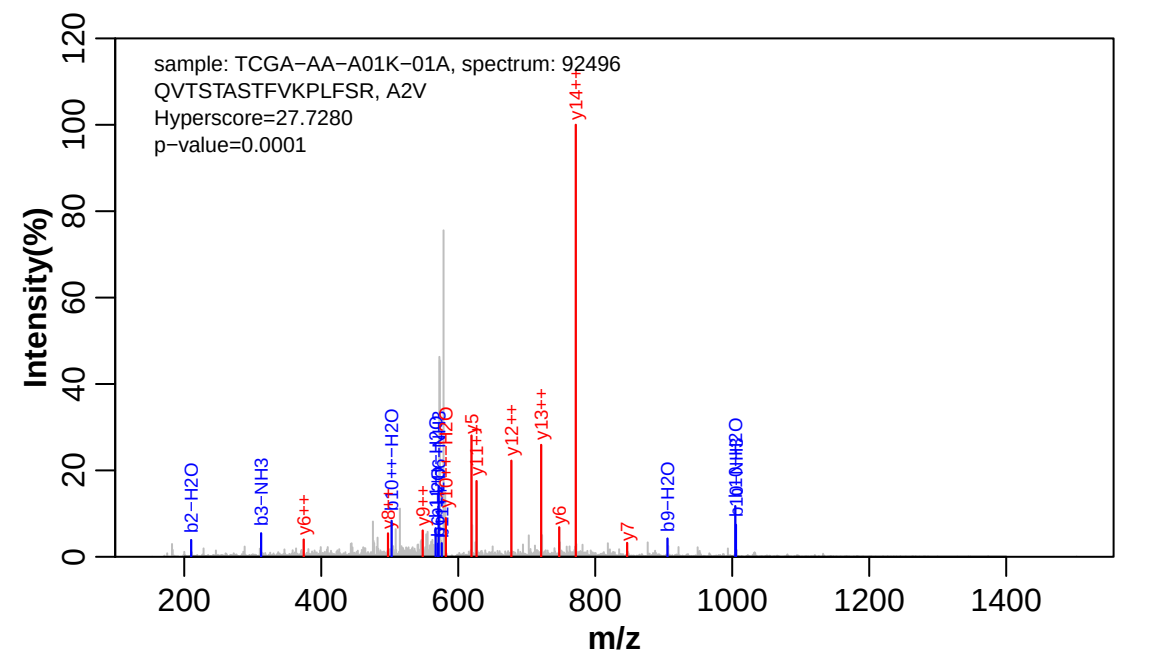

sample: TCGA−AA−A01K−01A, spectrum: 36460
LLNLLADLVER, R4L
Hyperscore=39.9106
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y4
y3
y2
b5
b5−NH3
b4
b4−NH3
b3
b2
b7−NH3
b7
b8−NH3
b8
y8
b9−NH3
b9
b10

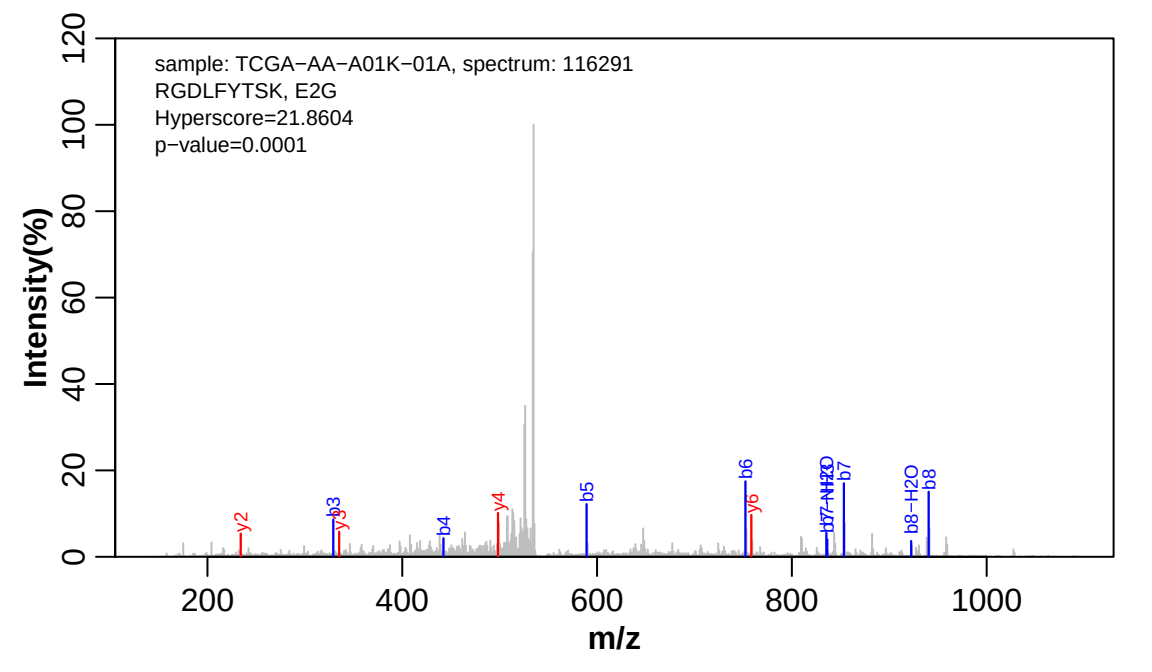

sample: TCGA−AA−A01K−01A, spectrum: 79177
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=39.4335
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b3
y11+++
b8++
y16+++−H2O
y11++
y13++
y14++
y15++
y16++−H2O
y20+++
y19+++−H2O

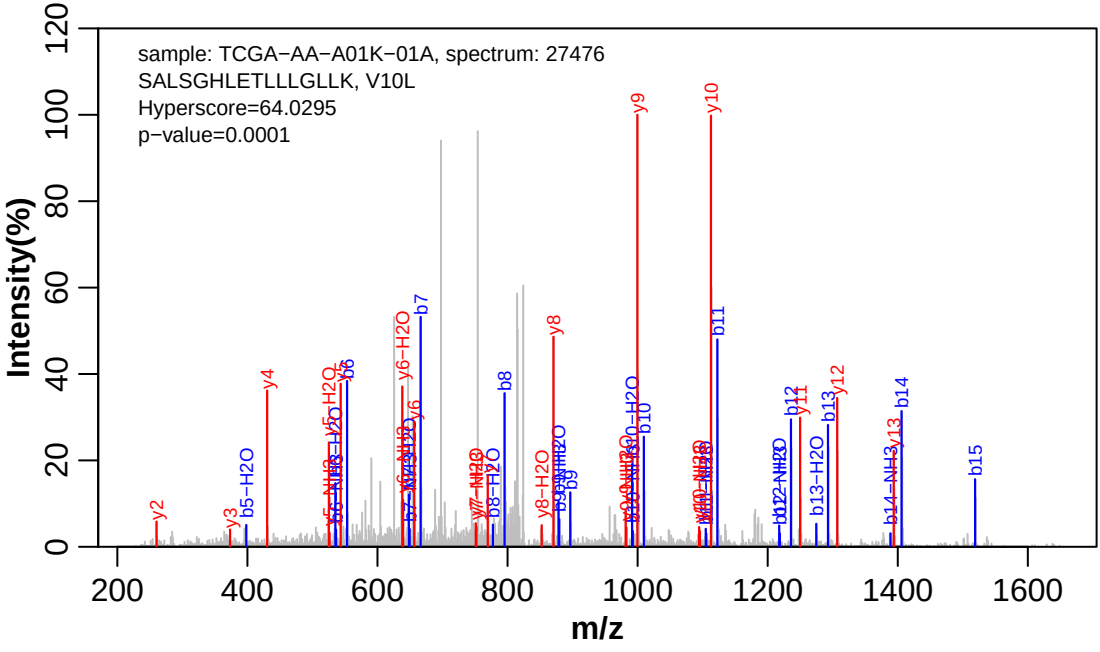

sample: TCGA−AA−A01K−01A, spectrum: 112412
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.9267
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y9++
b5
y10++
y11++
y12++−H2O
b13++−H2O
y13++
y14++−H2O
y14++
y15++

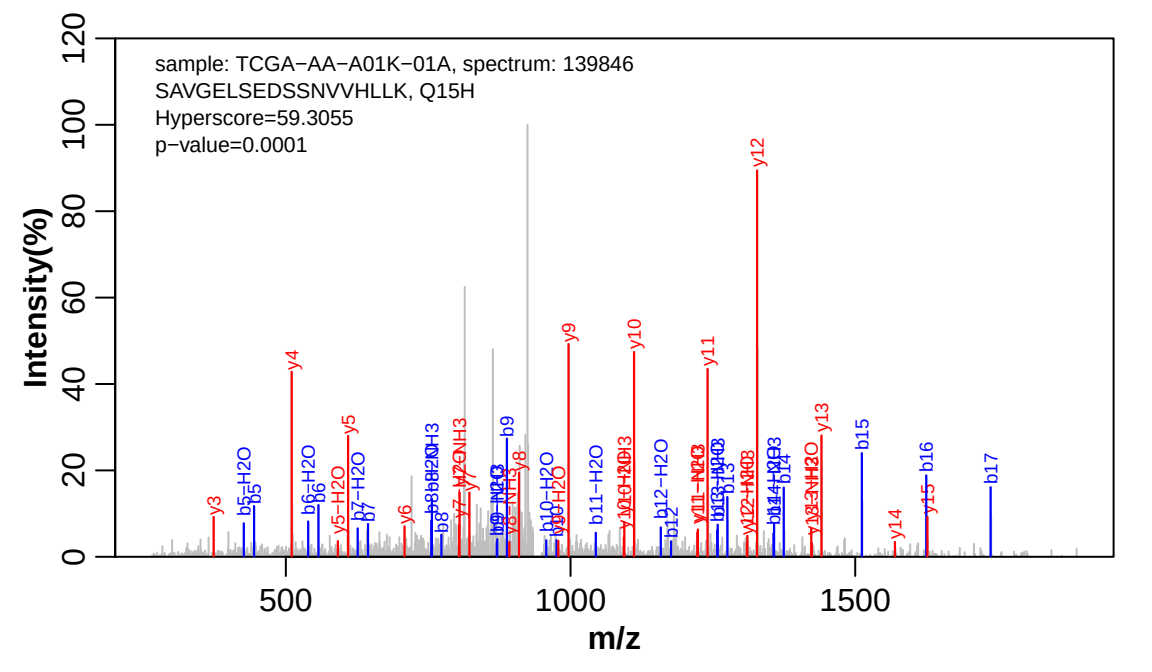

sample: TCGA−AA−A01K−01A, spectrum: 70575
NTNSVPETAPAALPETR, K17R
Hyperscore=26.1285
p−value=0.0001
Intensity(%)
m/z
y12
y4
y8
b13
b5
y5
y7
y10
b12
y2
b4−H2O
0
20
40
60
80
100
120
500
1000
1500

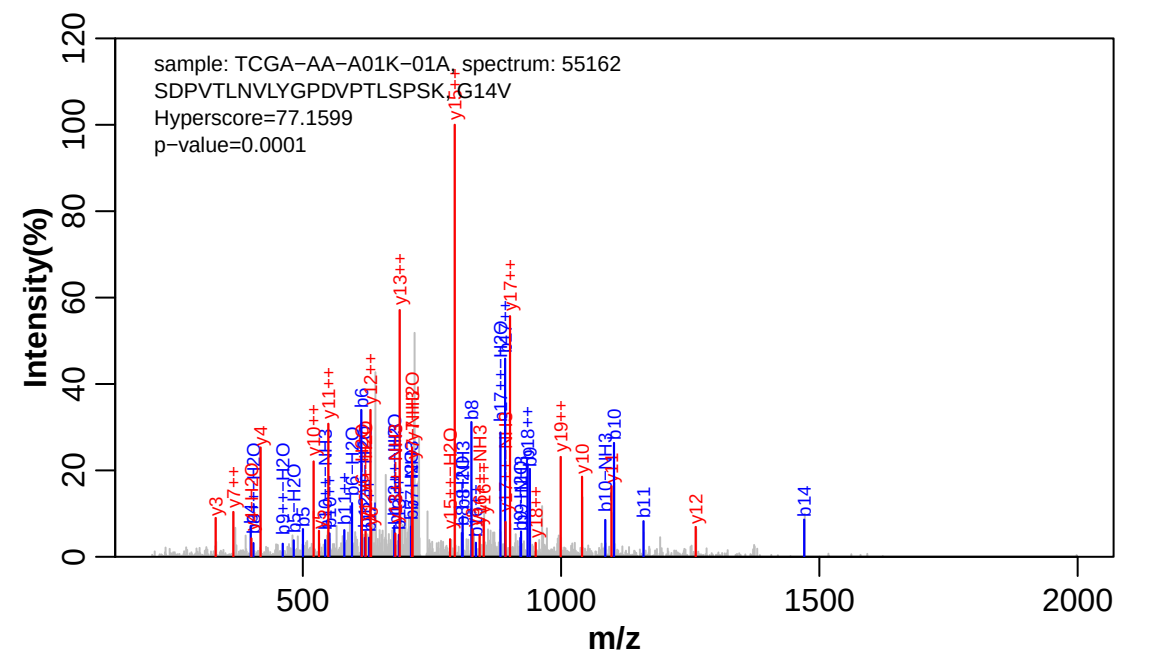

sample: TCGA−AA−A01K−01A, spectrum: 32865
QVGDFHQVLLR, A2V
Hyperscore=24.3487
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2−NH3
y4++
b5++
y5++−H2O
b6++−H2O
b4−NH3
b4−H2O
b7++−H2O
y7++
y7++−H2O
y8++−NH3
y7++−NH3
y9++
y4
y8++
y5++−NH3
y5
b6−H2O

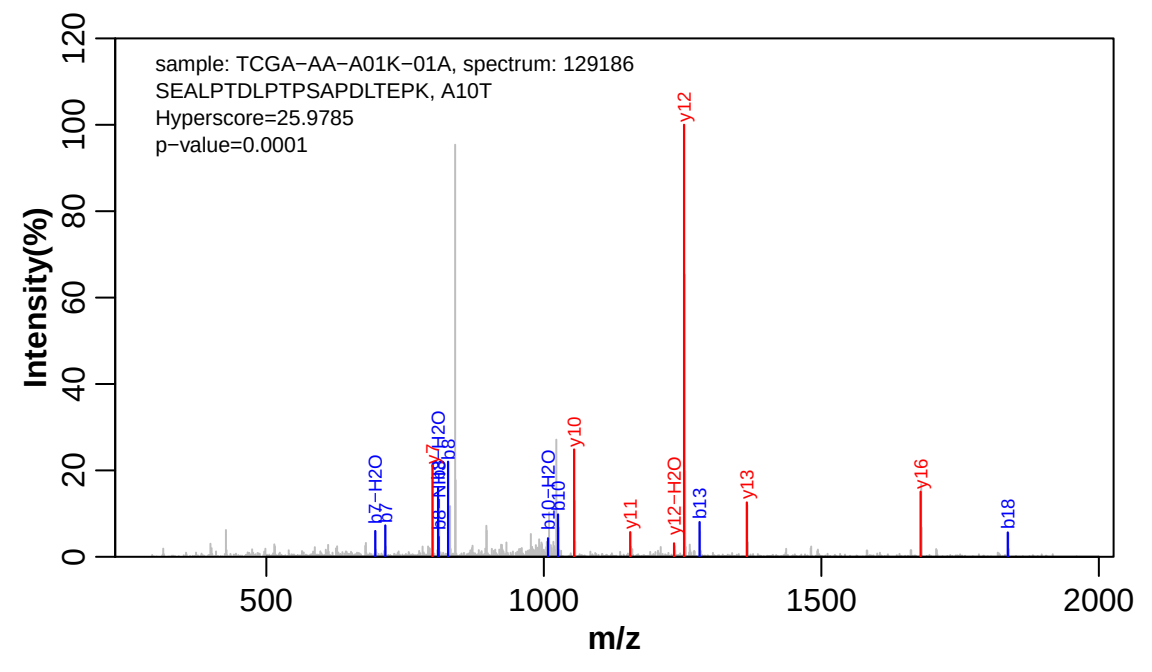

sample: TCGA−AA−A01K−01A, spectrum: 92496
QVTSTASTFVKPLFSR, A2V
Hyperscore=27.7280
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b3−NH3
y6++
y14++
y13++
y12++
y11++
y5
y6
y7
b9−H2O

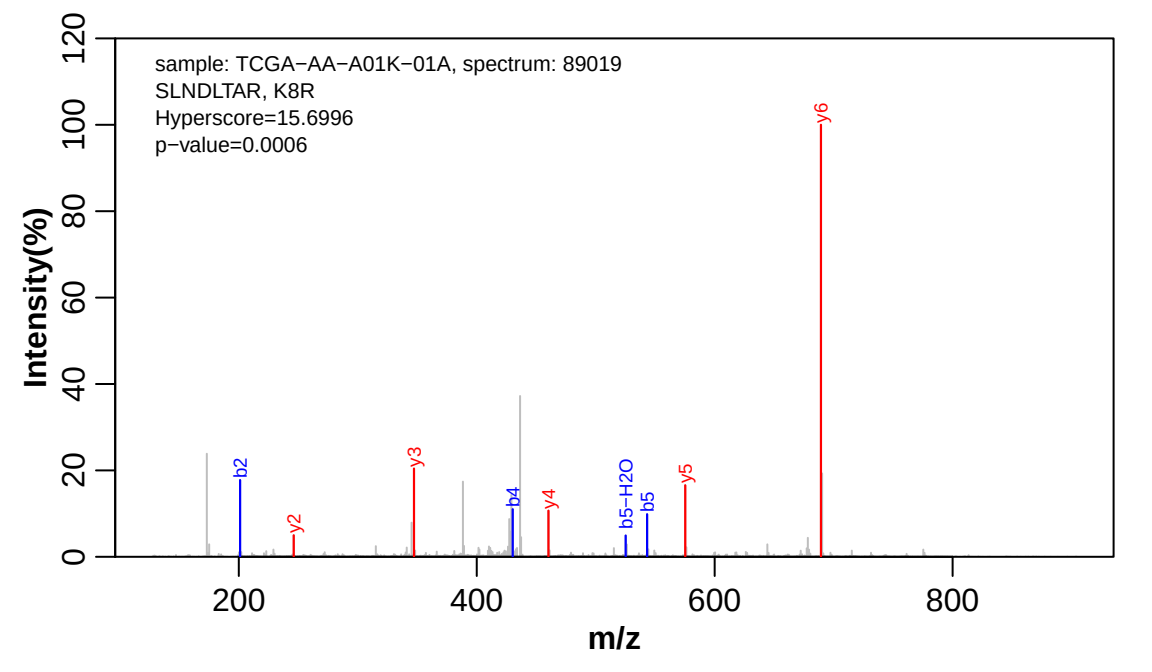

sample: TCGA−AA−A01K−01A, spectrum: 116291
RGDLFYTSK, E2G
Hyperscore=21.8604
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y2
b3
y3
b4
y4
b5
b6
y6
b7−NH3
b7−H2O
b7
b8−H2O
b8

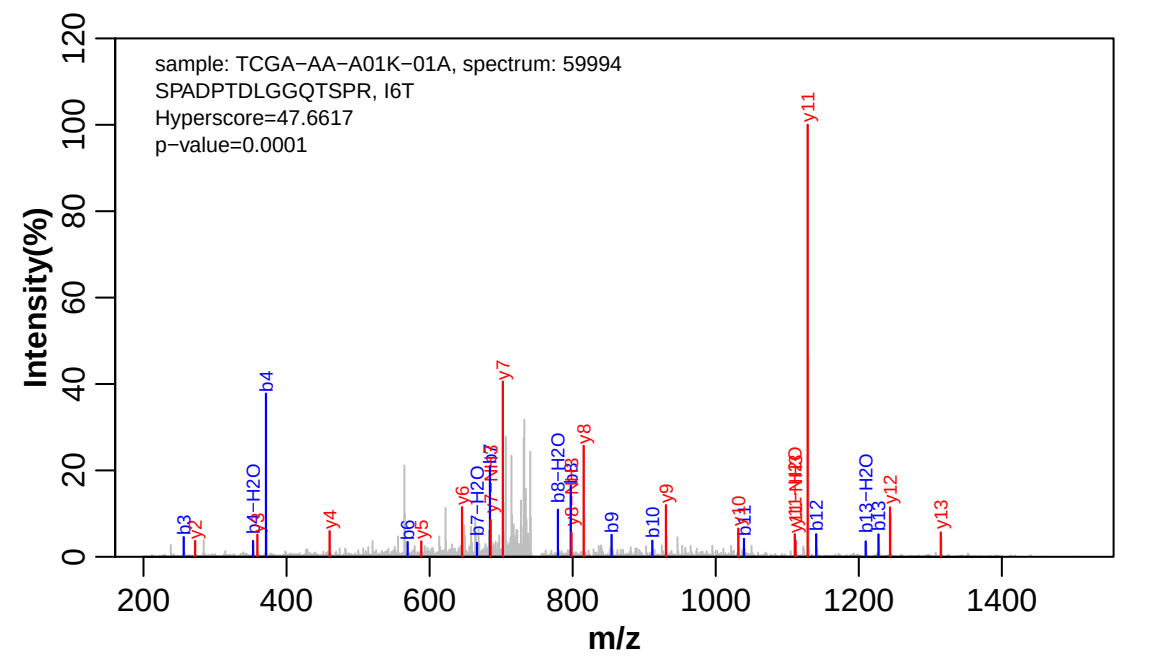

sample: TCGA−AA−A01K−01A, spectrum: 27476
SALSGHLETLLLGLLK, V10L
Hyperscore=64.0295
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b5−H2O
y4
y5−NH3
y5−H2O
y5
b6
y6−H2O
b7
y6−NH3
y6
b8−NH3
b8−H2O
b8
y8−H2O
y8
b9
y7−NH3
y7
b10−NH3
b10−H2O
b10
y9
y10
b11
y10−NH3
y10−H2O
y11−NH3
y11−H2O
y11
b12
b12−NH3
b12−H2O
b13−H2O
b13
y12
b14−NH3
b14
y13
b15

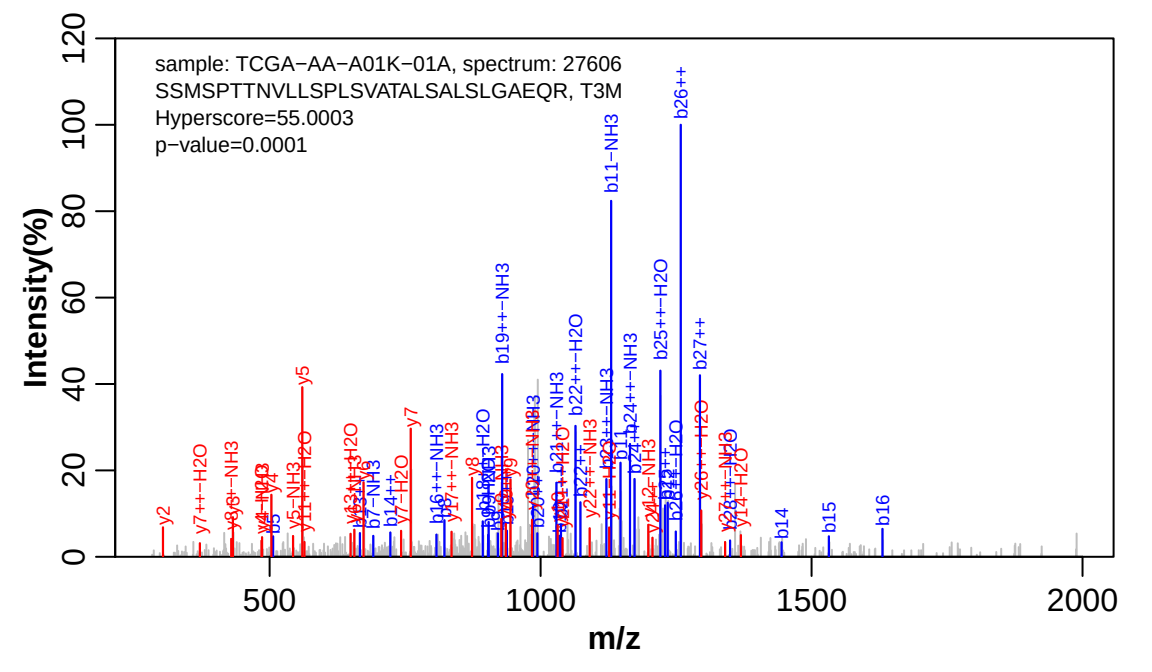

sample: TCGA−AA−A01K−01A, spectrum: 139846
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=59.3055
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y9
y10
y4
y11
y5
y13
b15
b17
b16
y14
y15
y3
y6
b5
b6
b7
b8
b9
b10
b11
b12
b13
b14
−H2O
−NH3

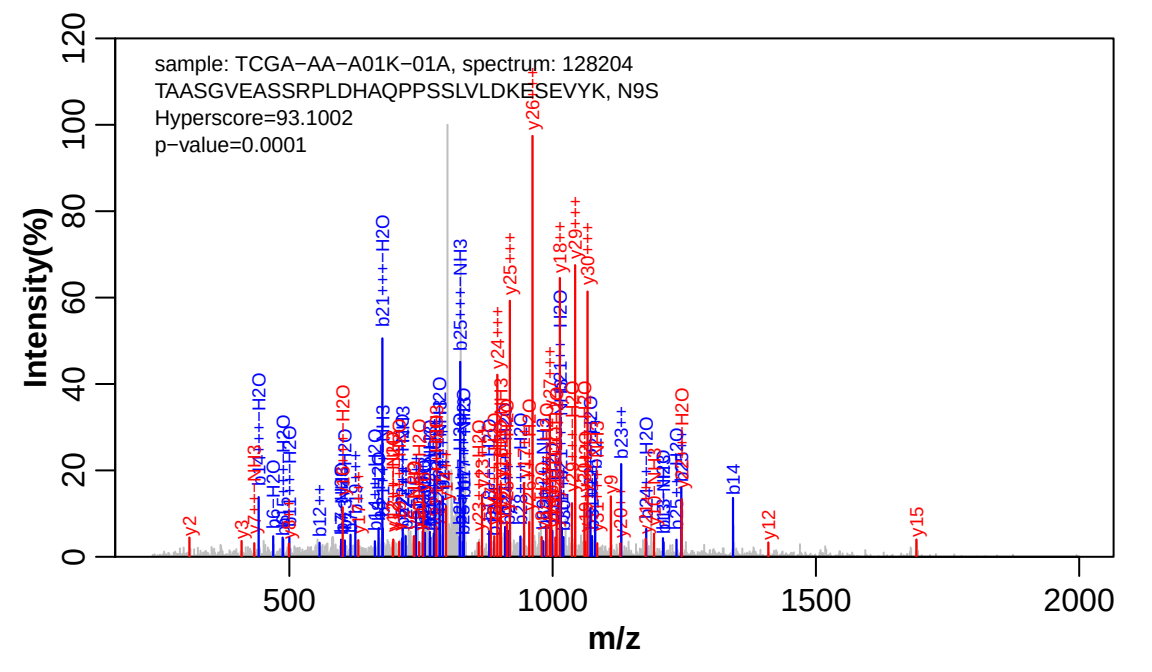

sample: TCGA−AA−A01K−01A, spectrum: 55162
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=77.1599
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y15++
y13++
y17++
y19++
y10
y12
b14
b11
b10
b8
y3
y7++
y4
y11++
y12++
b6
y18++

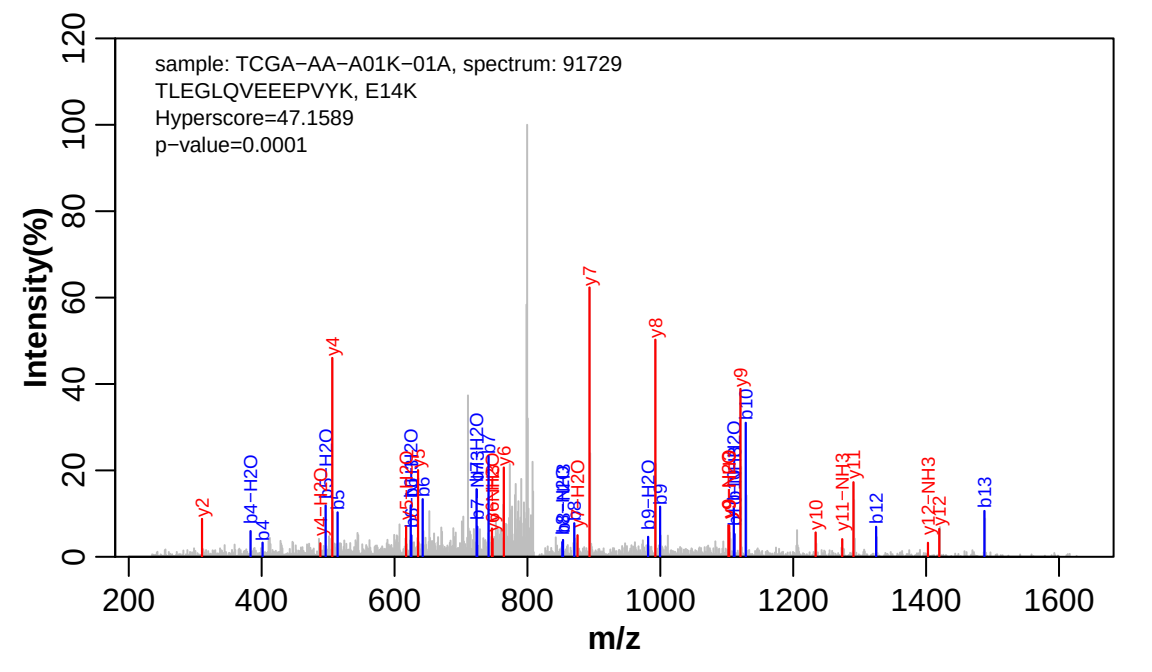

sample: TCGA−AA−A01K−01A, spectrum: 129186
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=25.9785
p−value=0.0001
Intensity(%)
m/z
y12
y10
y7−H2O
b8
b8−NH3
b7−H2O
b7
b10−H2O
b10
y11
y12−H2O
b13
y13
y16
b18

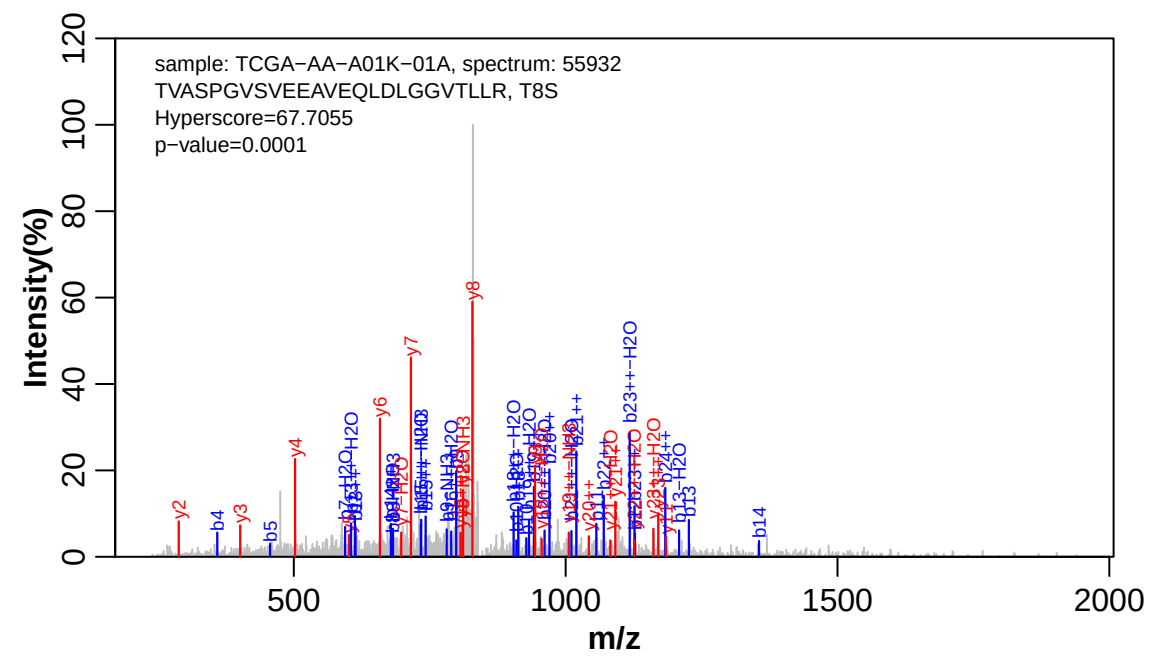

sample: TCGA−AA−A01K−01A, spectrum: 89019
SLNDLTAR, K8R
Hyperscore=15.6996
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2
y3
b4
y4
b5−H2O
b5
y5
y6

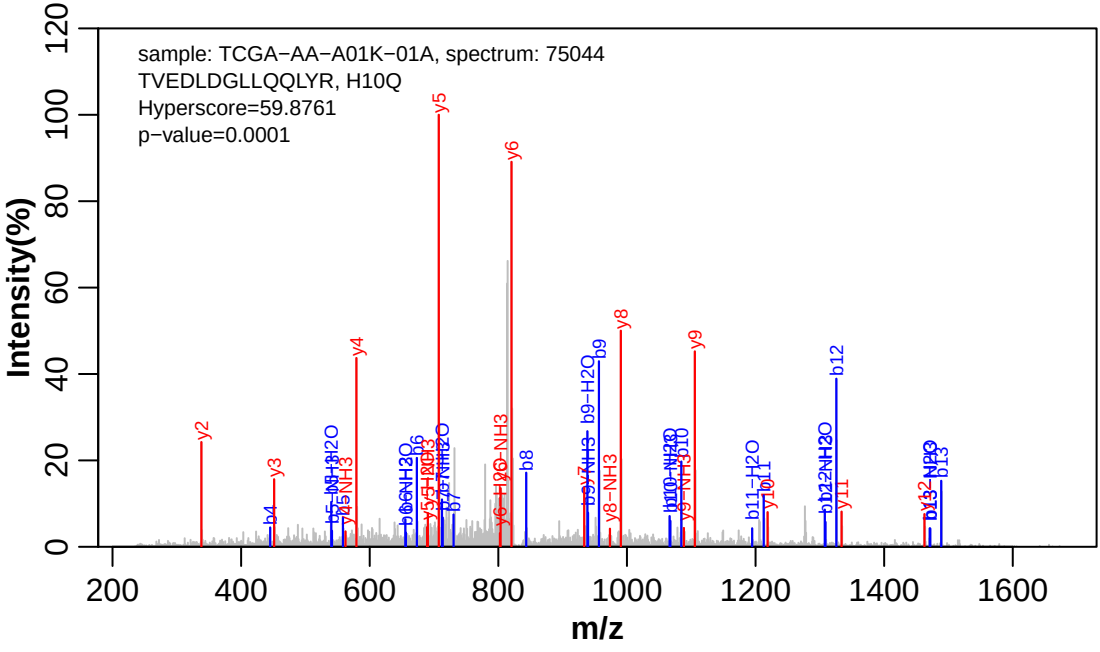

sample: TCGA−AA−A01K−01A, spectrum: 59994
SPADPTDLGGQTSPR, I6T
Hyperscore=47.6617
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
b4
b4−H2O
y4
b6
y5
y6
b7−H2O
y7
y7−NH3
y7
b8−H2O
b8
y8
y8−NH3
b9
y9
b10
y10
b11
y11
y11−NH3
y11−H2O
b12
b13−H2O
b13
y12
y13

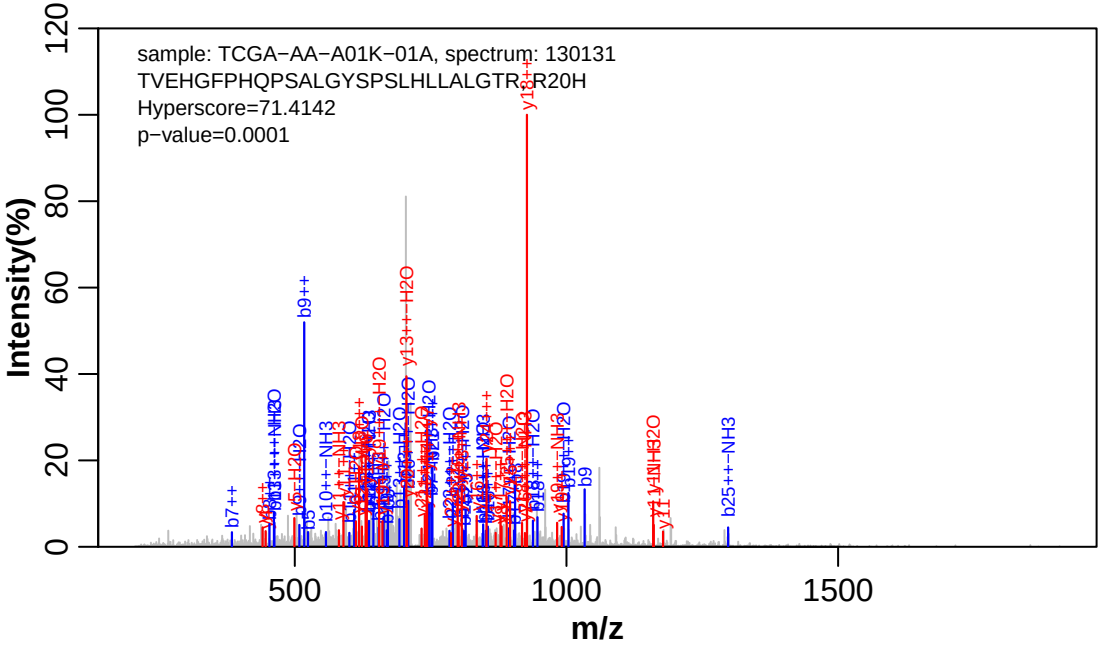

sample: TCGA−AA−A01K−01A, spectrum: 27606
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=55.0003
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y7++−H2O
y3++−NH3
y5
y7
b7−NH3
b14++
b16++−NH3
b19++−NH3
b11−NH3
b26++
b25++−H2O
b27++
b14
b15
b16

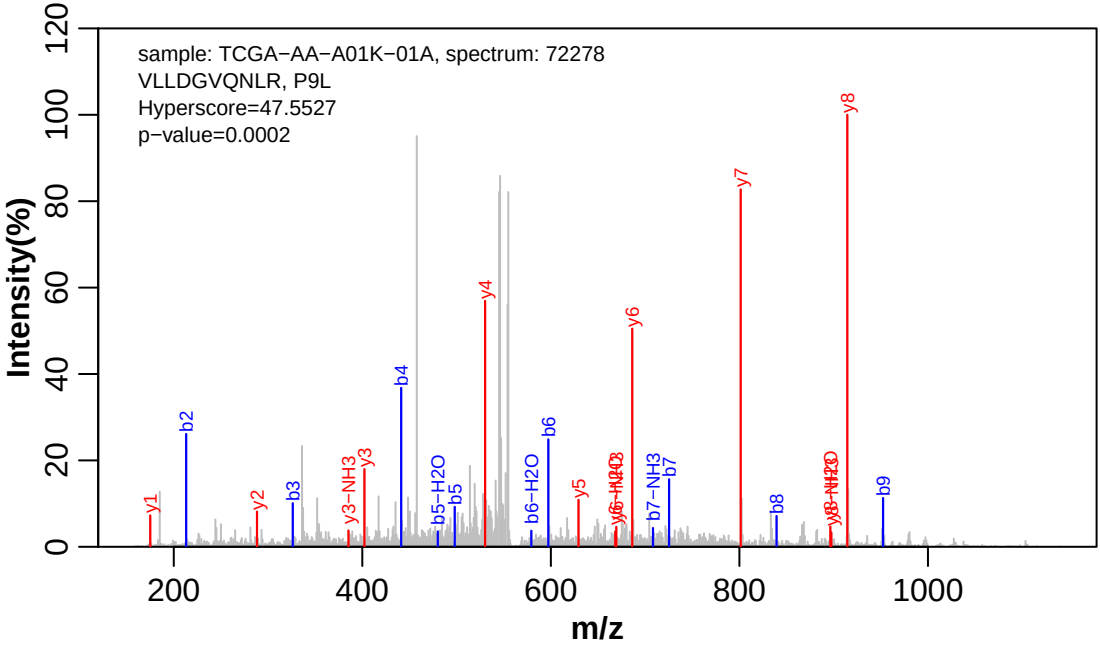

sample: TCGA−AA−A01K−01A, spectrum: 128204
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=93.1002
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y26++
y25+++
y24+++
y23++
y20++
y18++
y29+++
y30+++
b21+++−H2O
b25+++−NH3
b14
y12
y15
y2

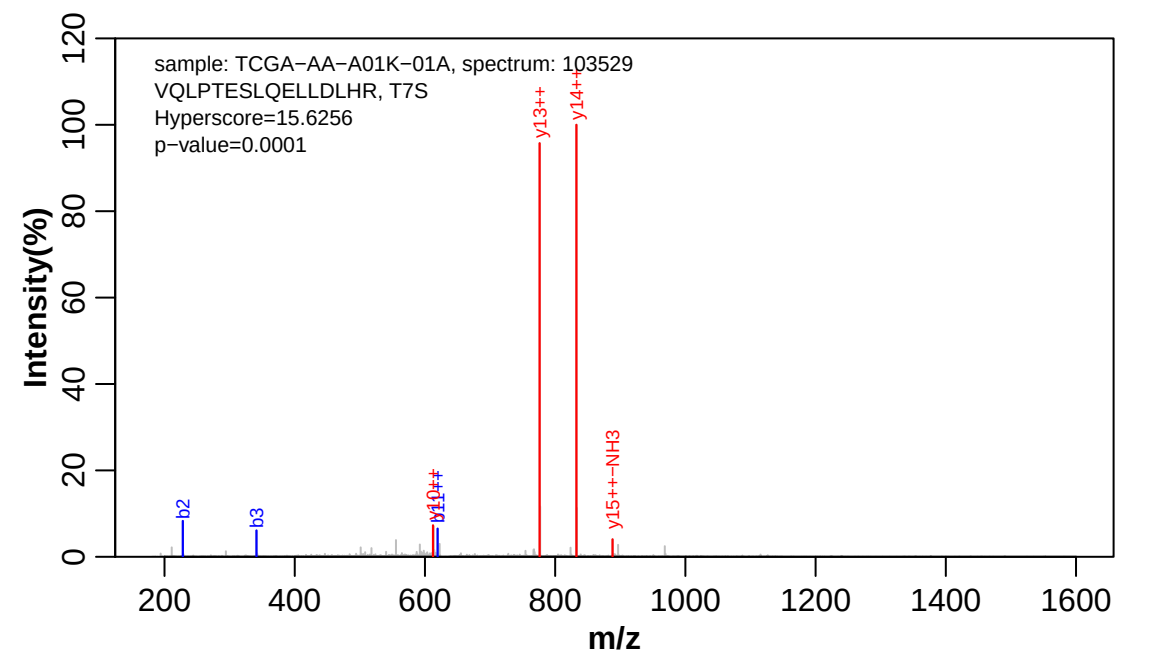

sample: TCGA−AA−A01K−01A, spectrum: 91729
TLEGLQVEEEPVYK, E14K
Hyperscore=47.1589
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b4−H2O
b4
y4−H2O
y4
b5−H2O
b5
b6
y5
b7−NH3
b7−H2O
y6
y7
y8
b9−H2O
b9
b10
y9
y10
y11−NH3
y11
b12
y12−NH3
y12
b13

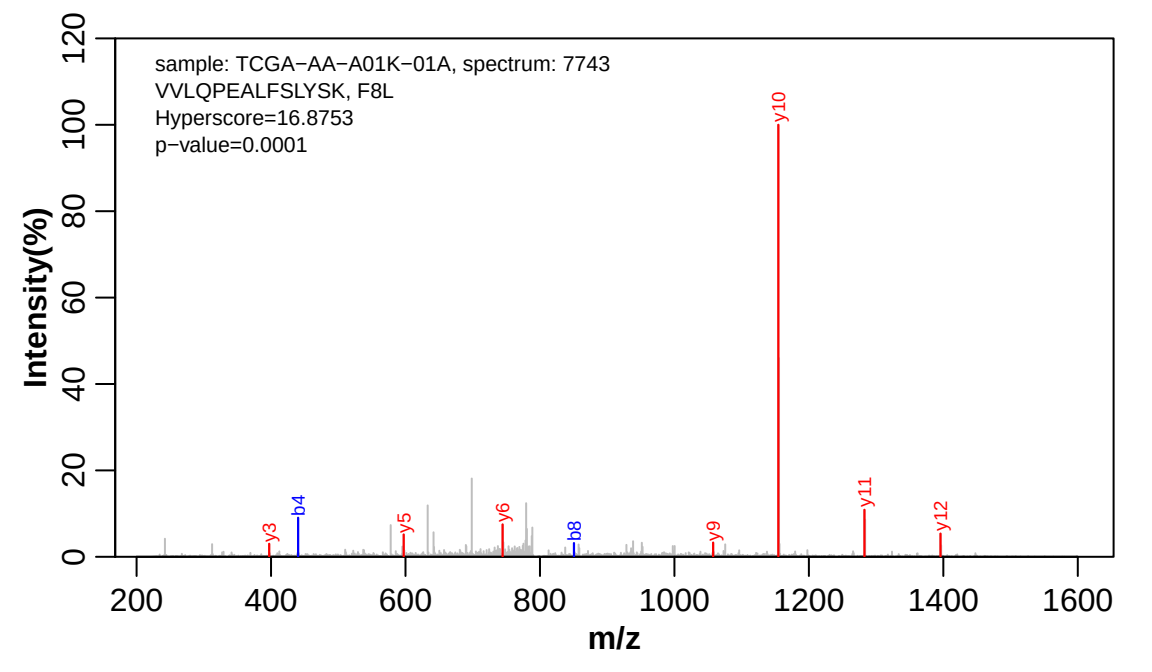

sample: TCGA−AA−A01K−01A, spectrum: 55932
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=67.7055
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b4
y3
b5
y4
y6
y7
y8
b14

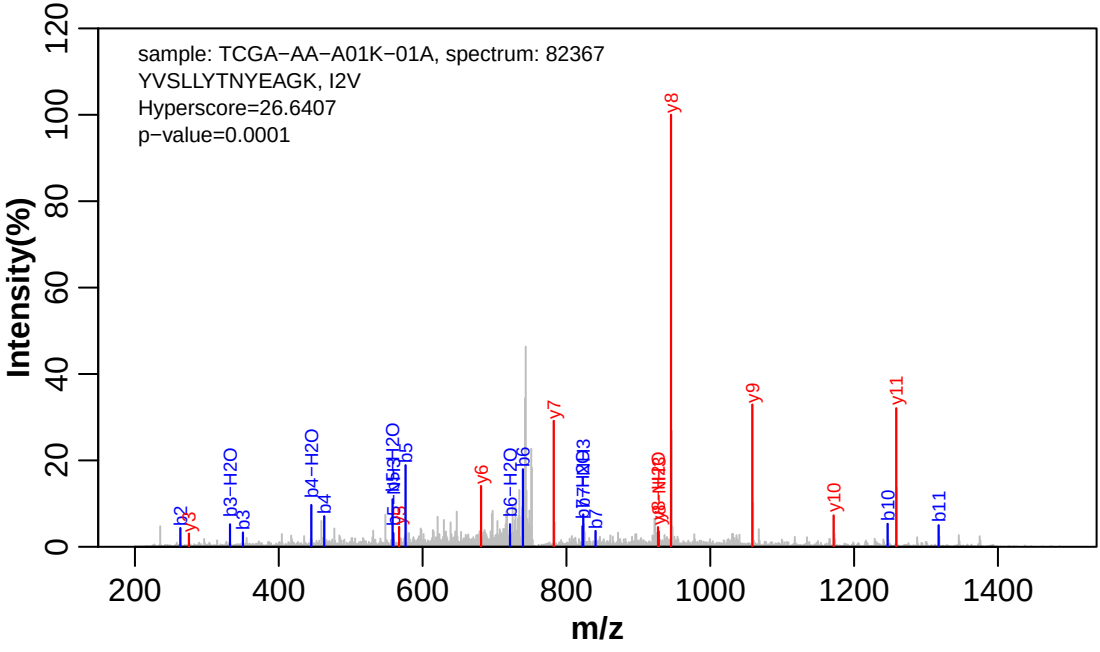

sample: TCGA−AA−A01K−01A, spectrum: 75044
TVEDLDGLLQQLYR, H10Q
Hyperscore=59.8761
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y4
y2
y3
y8
y9
b12
b8
b9
b4
y11
b13

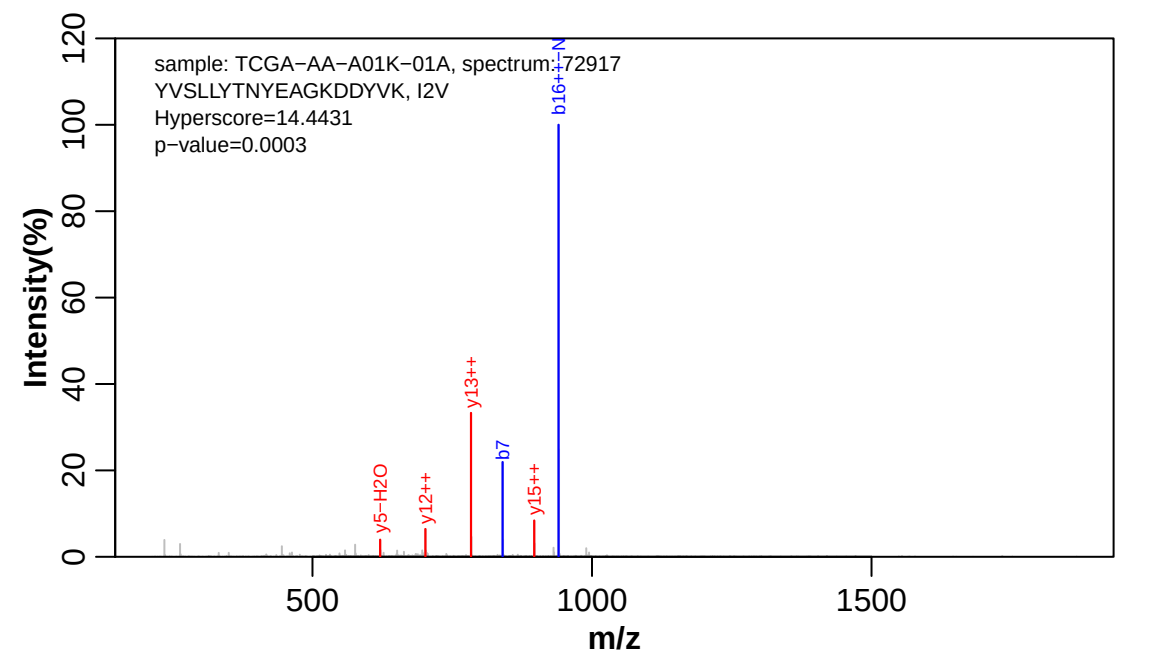

sample: TCGA−AA−A01K−01A, spectrum: 130131
TVEHGFPHQPSALGYSPSLHLLALGTR−R20H
Hyperscore=71.4142
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b7++
b9++
y13++−H2O
y12++
b25++−NH3
b9
y11
y11−NH3

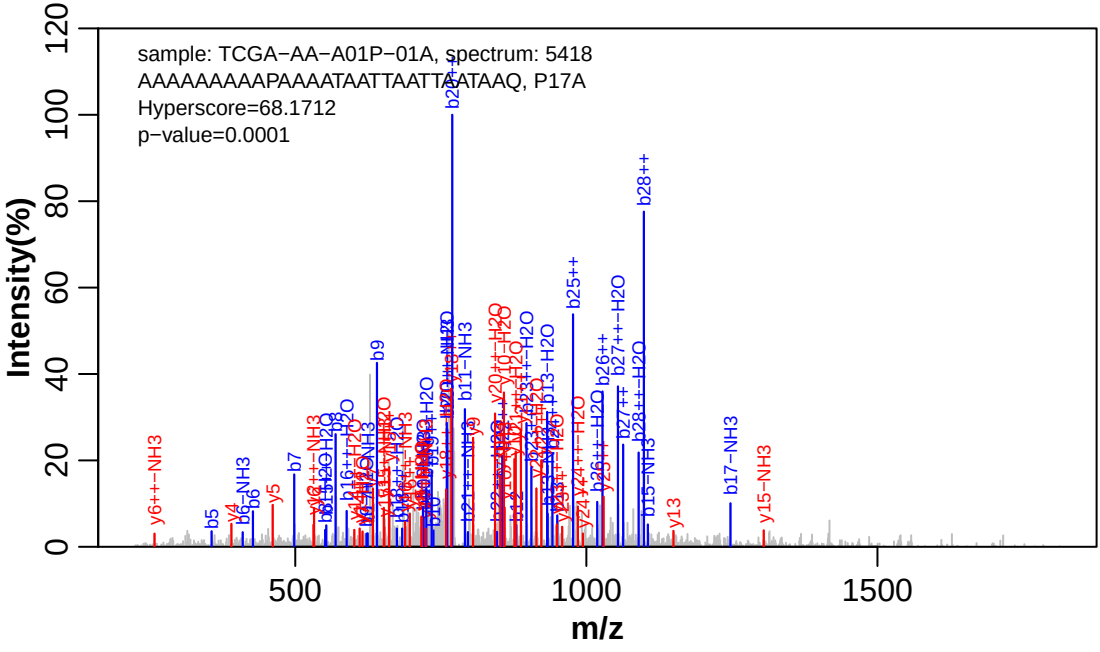

sample: TCGA−AA−A01K−01A, spectrum: 72278
VLLDGVQNLR, P9L
Hyperscore=47.5527
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3
y3−NH3
y3
b4
b5−H2O
b5
y4
b6−H2O
b6
y5
y6
b7−NH3
b7
y7
b8
y8
b9

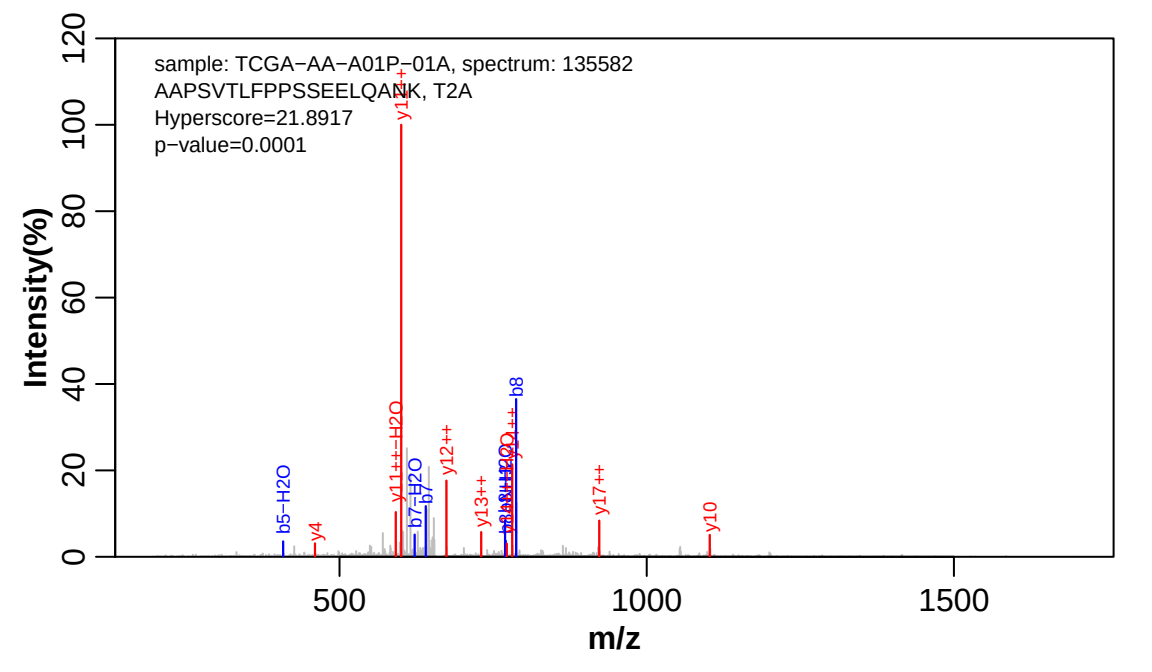

sample: TCGA−AA−A01K−01A, spectrum: 103529
VQLPTESLQELLDLHR, T7S
Hyperscore=15.6256
p−value=0.0001
y13++
y14++
y15++−NH3
b2
b3
b11++
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

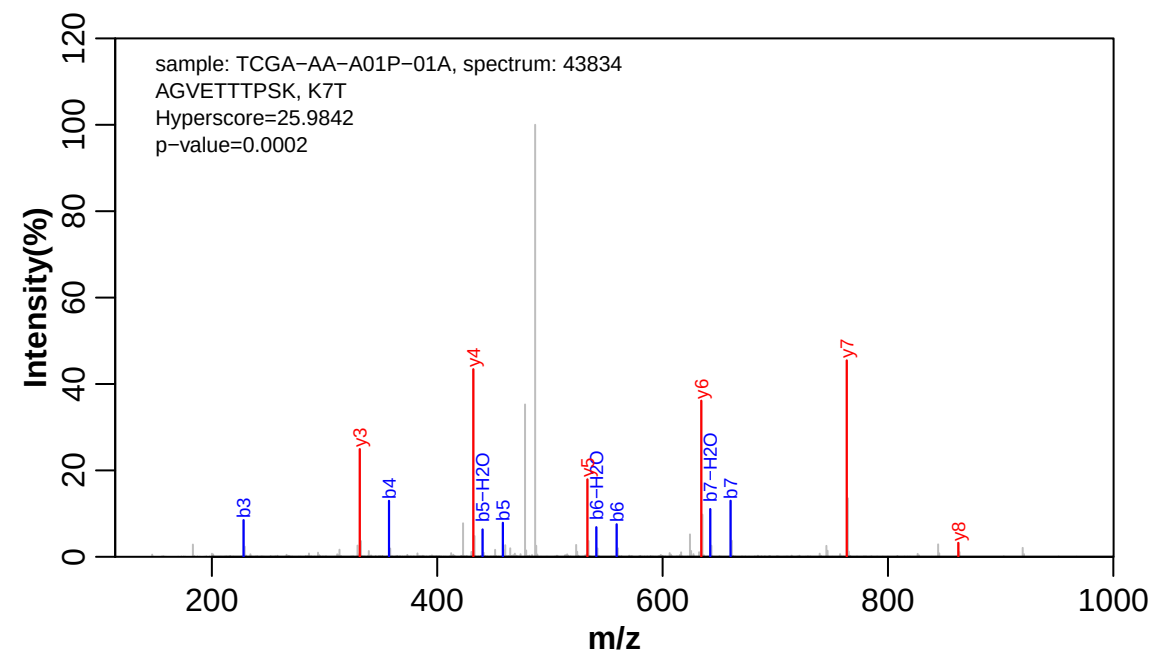

sample: TCGA−AA−A01K−01A, spectrum: 7743
VVLQPEALFSLYSK, F8L
Hyperscore=16.8753
p−value=0.0001
y10
y11
y12
y3
b4
y5
y6
b8
y9
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

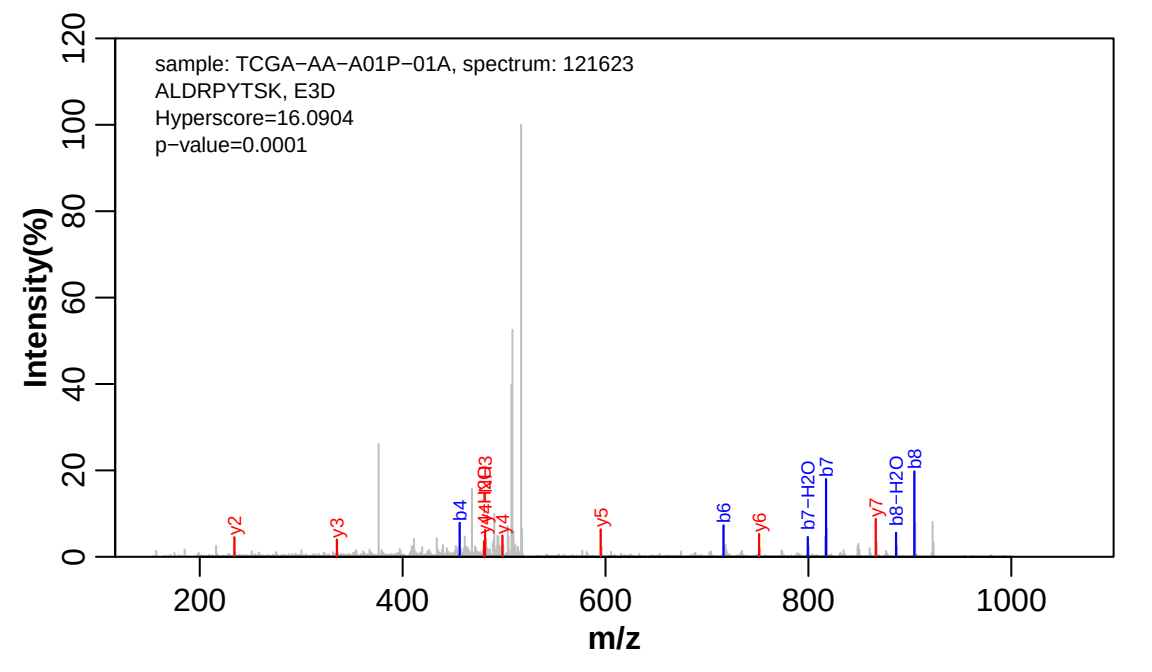

sample: TCGA−AA−A01K−01A, spectrum: 82367
YVSLLYTNYEAGK, I2V
Hyperscore=26.6407
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y8
y7
y9
y11
y6
y10
b10
b11
b6−H2O
b4−H2O
b3−H2O
b2
y2
b3
b4
b5
b6
b7

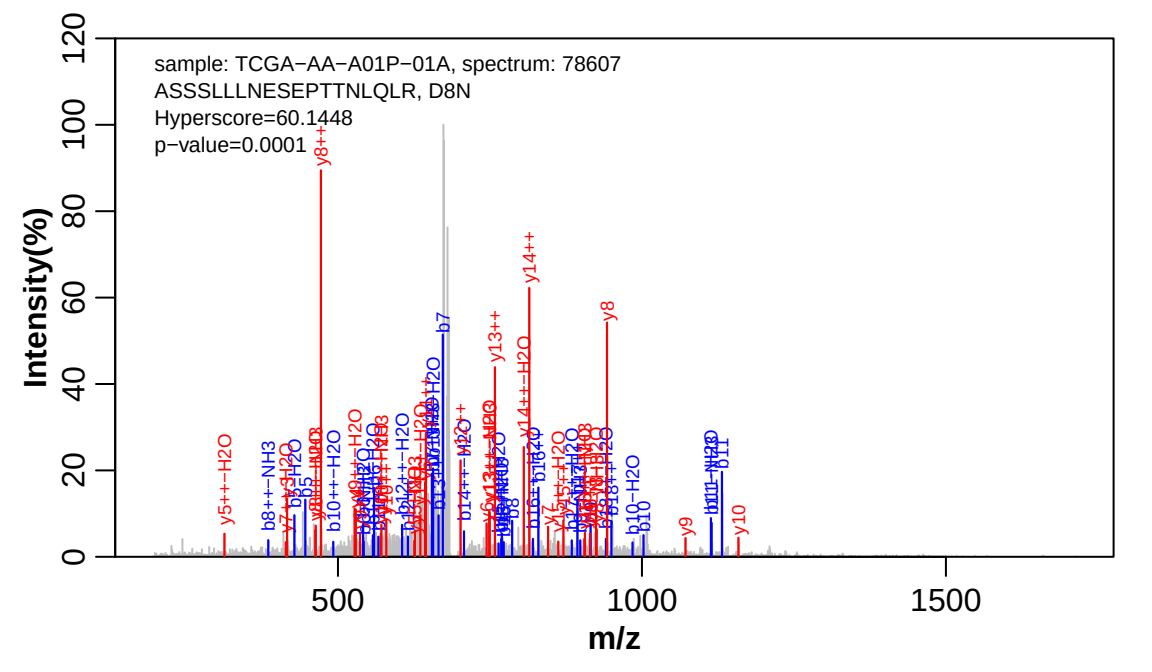

sample: TCGA−AA−A01K−01A, spectrum: 72917
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=14.4431
p−value=0.0003
b16++−N
y13++
b7
y15++
y12++
y5−H2O
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

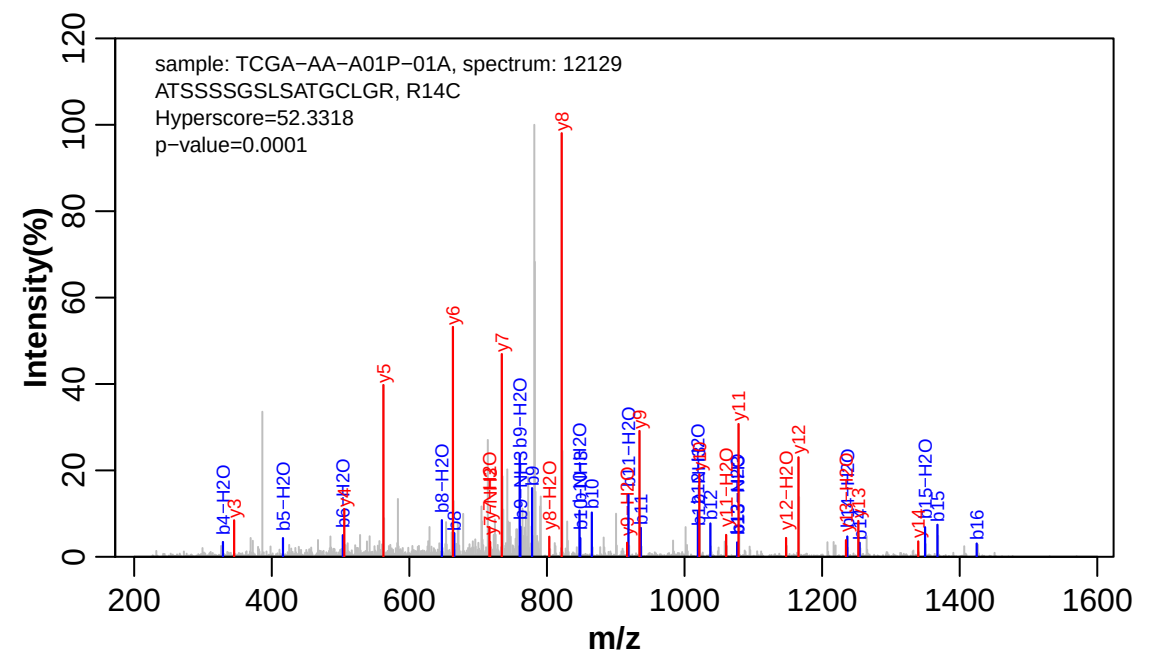

sample: TCGA−AA−A01P−01A, spectrum: 5418
AAAAAAAAAPAAAATAATTAATTATAAAQ, P17A
Hyperscore=68.1712
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b28++
b25++
b26++
b27++−H2O
b27++
b28++−H2O
b15−NH3
b17−NH3
y15−NH3
y13
b11−NH3
b9
y6++−NH3
b5
y4
b6−NH3
y5
b7

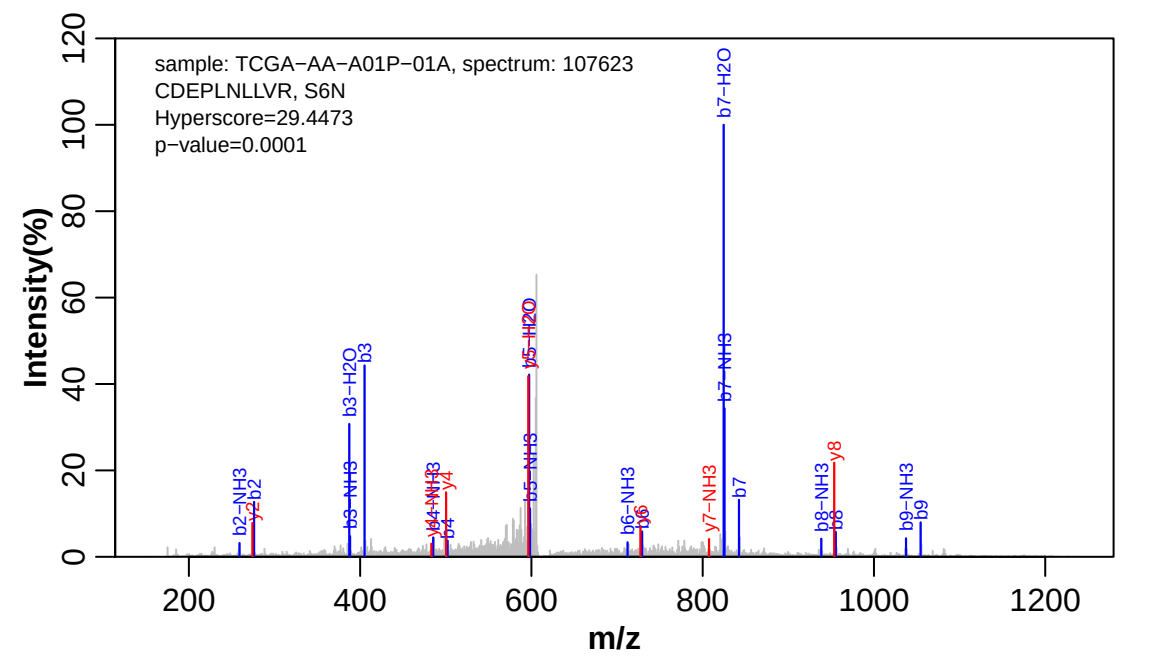

sample: TCGA−AA−A01P−01A, spectrum: 135582
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=21.8917
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5−H2O
y4
y11++−H2O
y11++
b7−H2O
b7
y12++
y13++
b8
y17++
y10

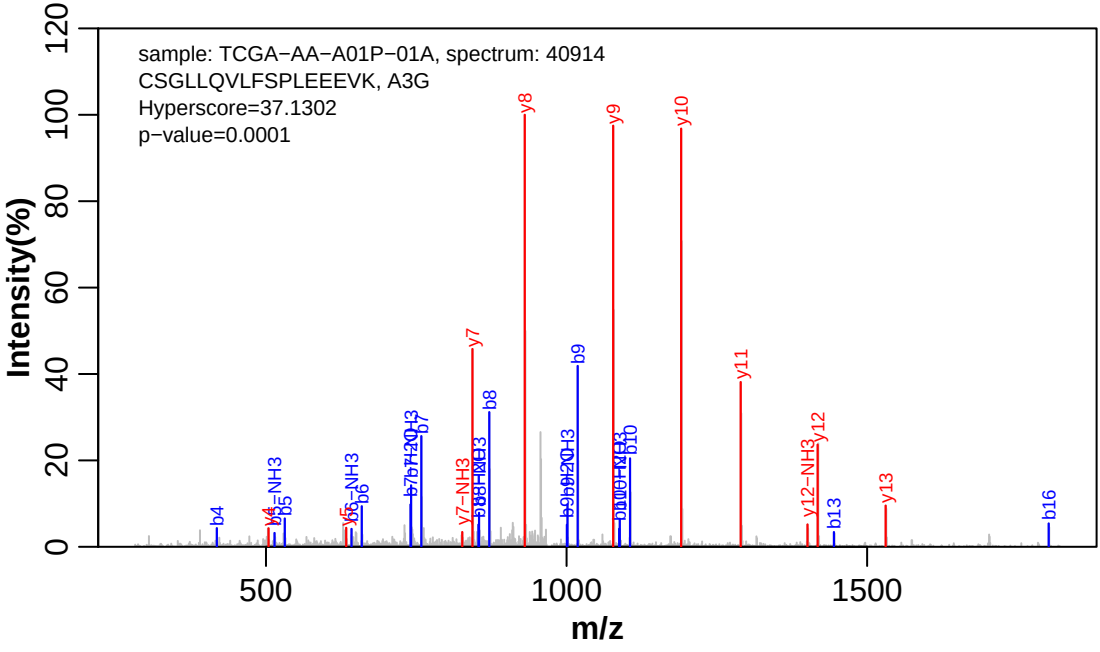

sample: TCGA−AA−A01P−01A, spectrum: 43834
AGVETTTPSK, K7T
Hyperscore=25.9842
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8

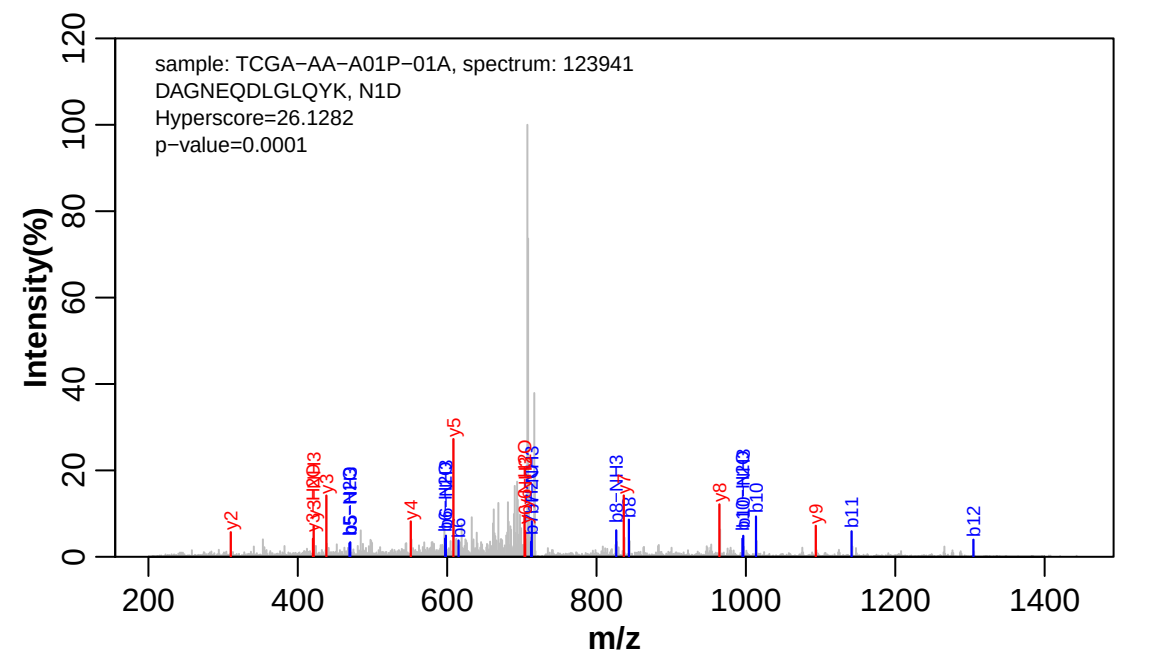

sample: TCGA−AA−A01P−01A, spectrum: 121623
ALDRPYTSK, E3D
Hyperscore=16.0904
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y2
y3
b4
y4
y5
b6
y6
b7−H2O
b7
y7
b8−H2O
b8

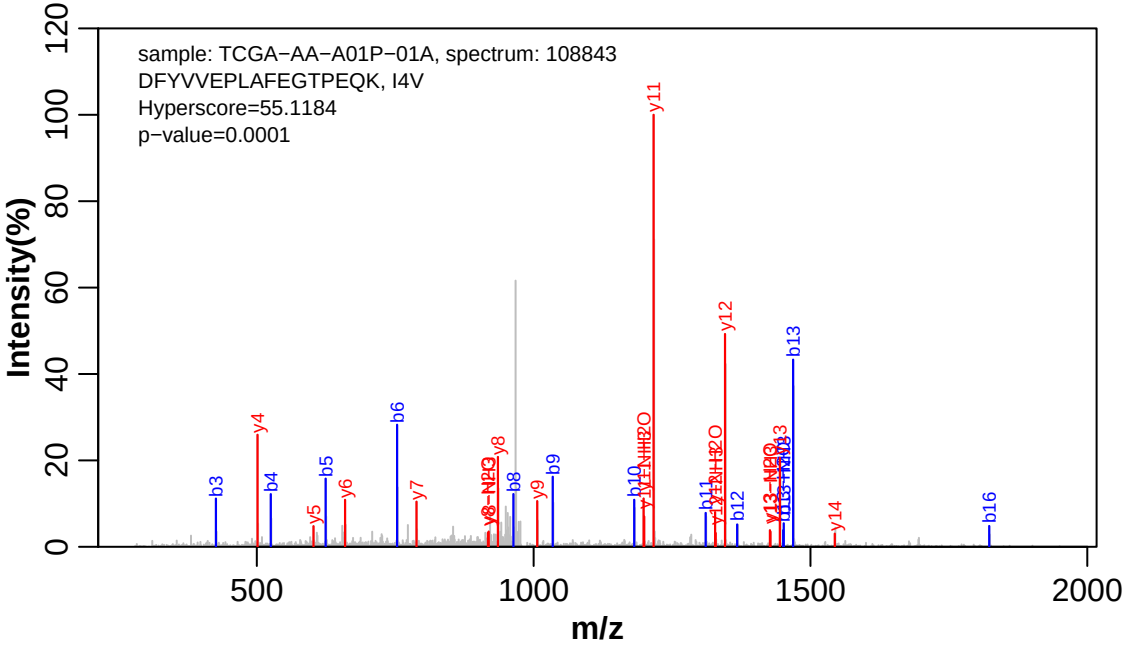

sample: TCGA−AA−A01P−01A, spectrum: 78607
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=60.1448
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
y5++−H2O
b8++−NH3
b10++−H2O
b7
y13++
y14++
y14++−H2O
y8
b10−H2O
y9
y10

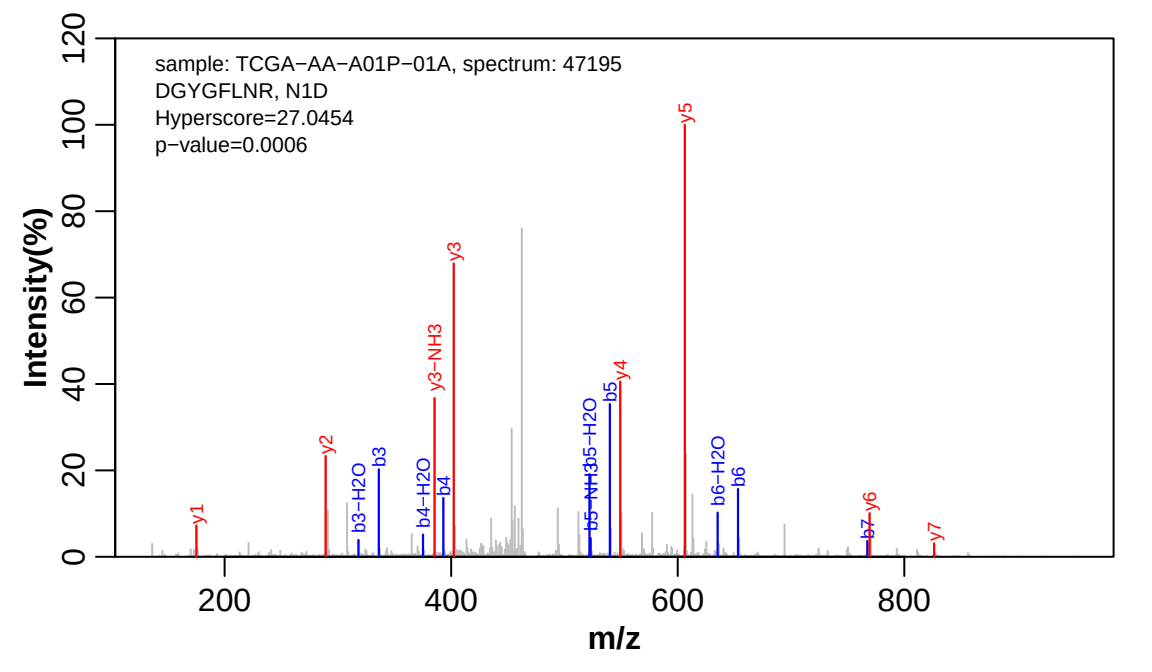

sample: TCGA−AA−A01P−01A, spectrum: 12129
ATSSSSGSLSATGCLGR, R14C
Hyperscore=52.3318
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y8
y6
y7
y5
y11
y12
y9
b4−H2O
y3
b5−H2O
b6−H2O
b8−H2O
b9−H2O
y8−H2O
b15−H2O
b16

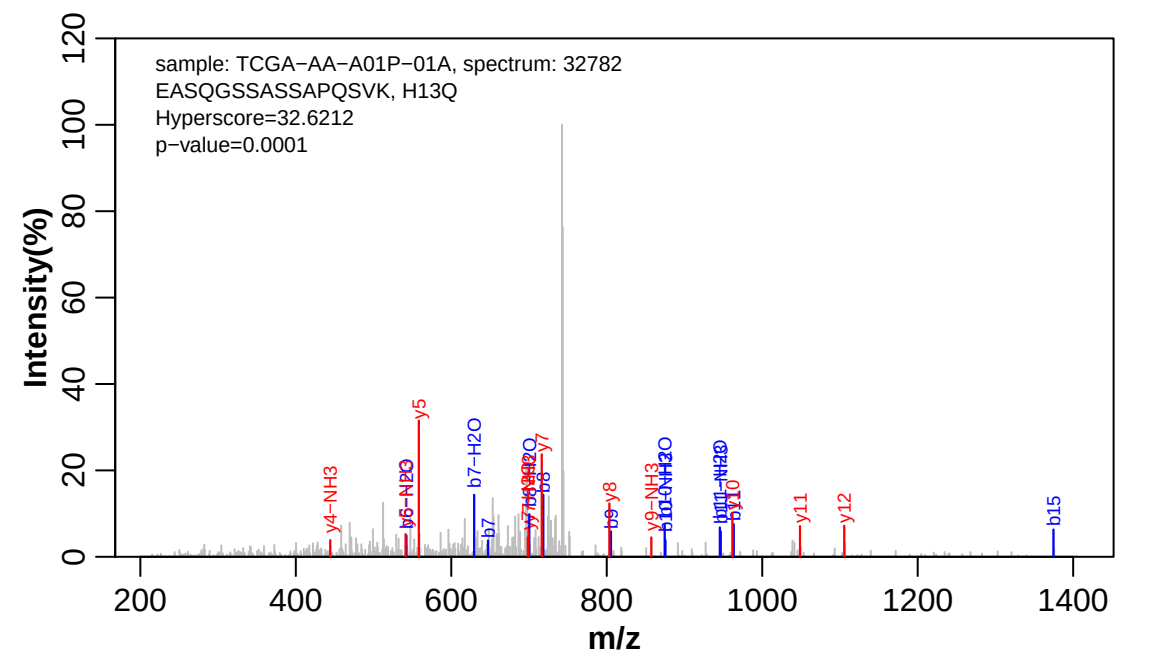

sample: TCGA−AA−A01P−01A, spectrum: 107623
CDEPLNLLVR, S6N
Hyperscore=29.4473
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−NH3
y2
b2
b3−H2O
b3
b3−NH3
y4
b4
y5−H2O
y5−NH3
b5−NH3
b6−NH3
b6
y7−NH3
b7−H2O
b7−NH3
b7
b8−NH3
y8
b8
b9−NH3
b9

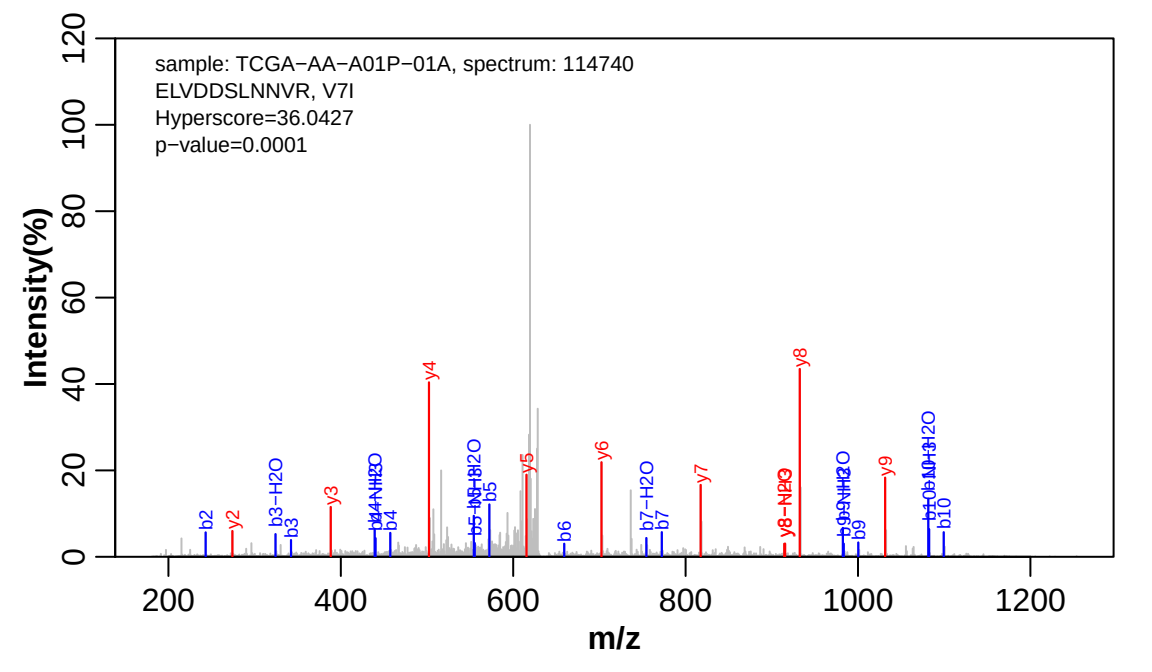

sample: TCGA−AA−A01P−01A, spectrum: 40914
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=37.1302
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y9
y10
y7
b9
y11
b8
y12
y12−NH3
y13
b16
b4
b5
b6
b7
b10
b13
y7−NH3

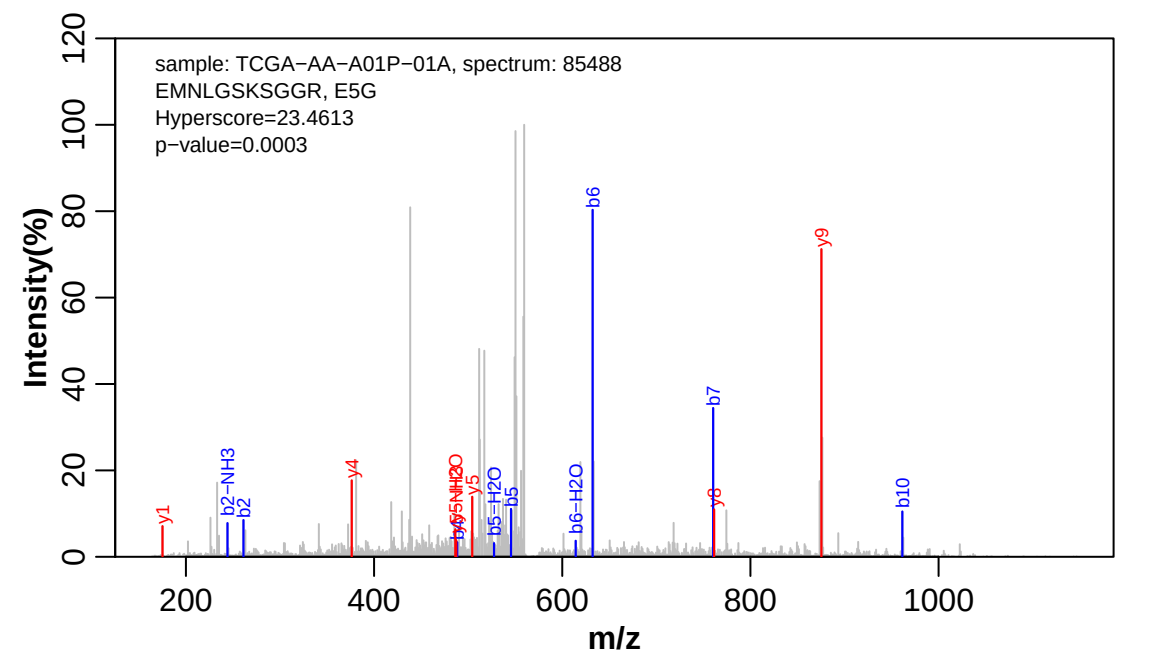

sample: TCGA−AA−A01P−01A, spectrum: 123941
DAGNEQDLGLQYK, N1D
Hyperscore=26.1282
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
y4
y5
y8
y9
b5−NH3
b8−NH3
b10
b11
b12

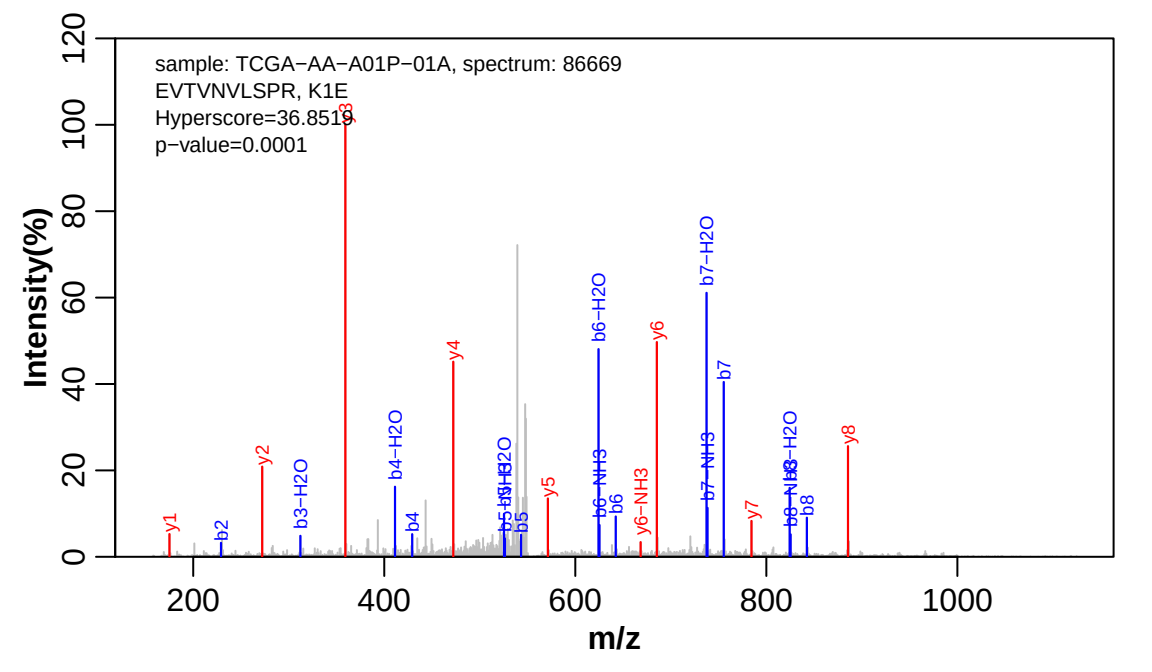

sample: TCGA−AA−A01P−01A, spectrum: 108843
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=55.1184
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
y5
b5
y6
b6
y7
y8
b8
y9
b9
y11
b12
y12
b13
y14
b16

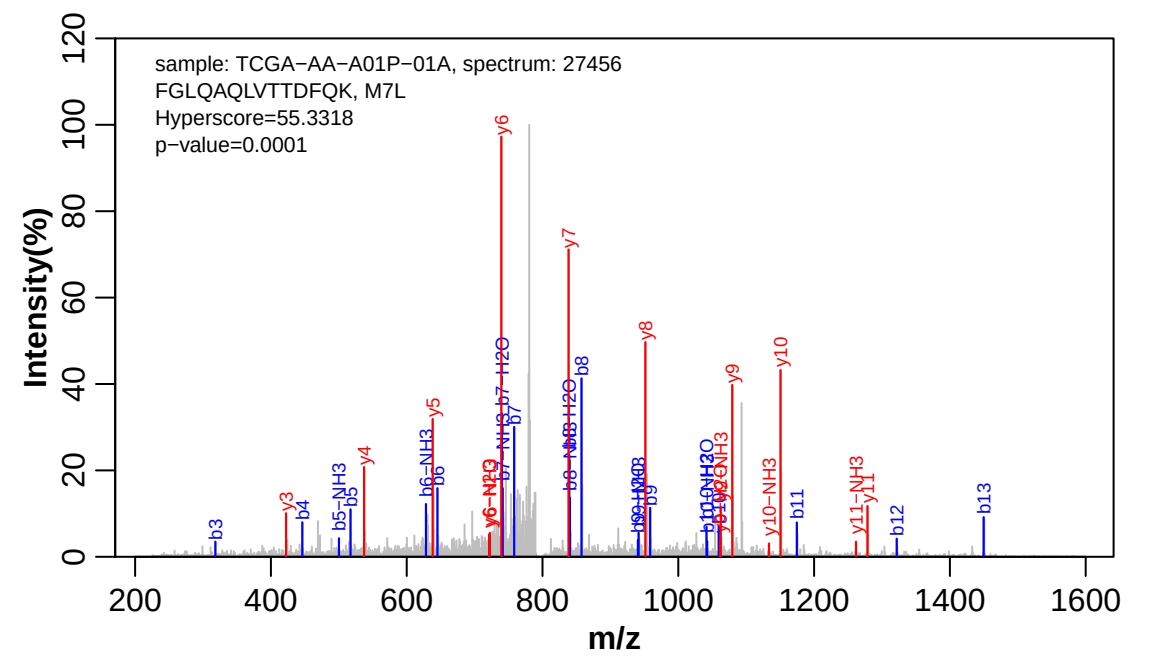

sample: TCGA−AA−A01P−01A, spectrum: 47195
DGYGFLNR, N1D
Hyperscore=27.0454
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7−y6
y7

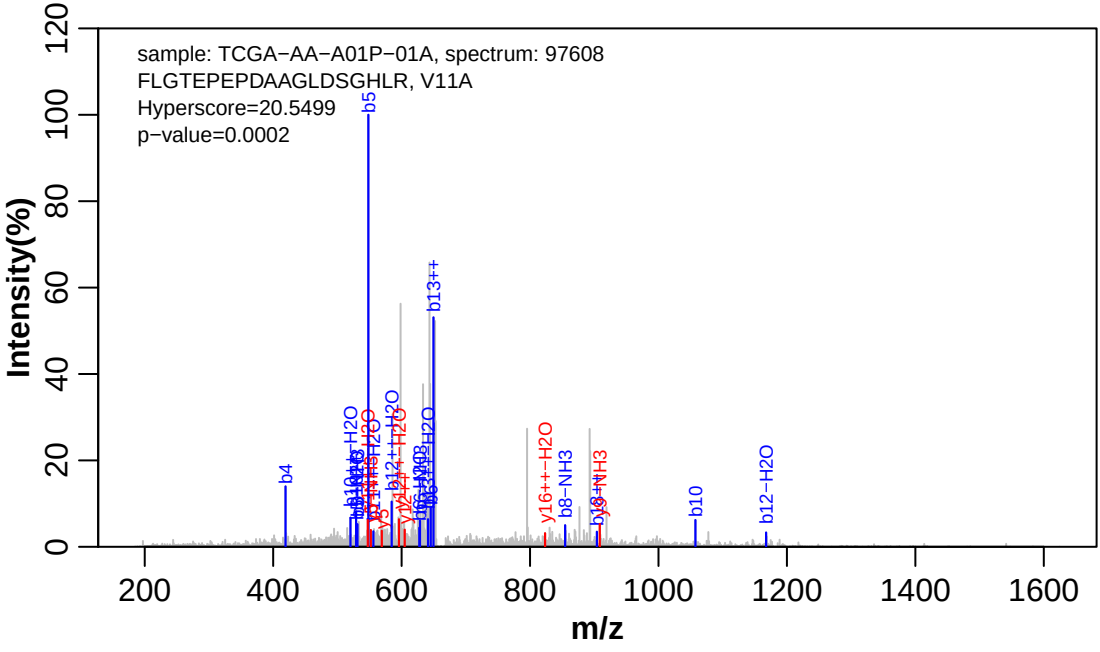

sample: TCGA−AA−A01P−01A, spectrum: 32782
EASQGSSASSAPQSVK, H13Q
Hyperscore=32.6212
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4−NH3
y5
b7−H2O
b7
y7
b8
b9−y8
y9−NH3
y10
y11
y12
b15

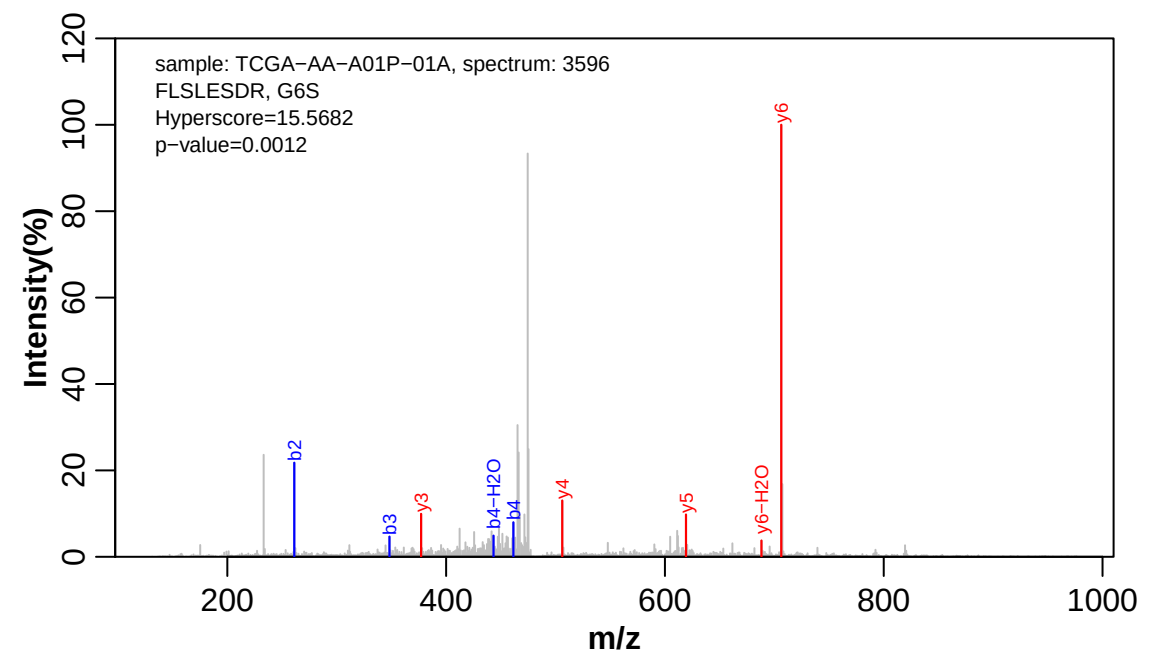

sample: TCGA−AA−A01P−01A, spectrum: 114740
ELVDDSLNNVR, V7I
Hyperscore=36.0427
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
y4
y5
b6
y6
b7−H2O
b7
y7
y8
y9
b10
y8−NH3
y8−H2O
b9
b10−H2O

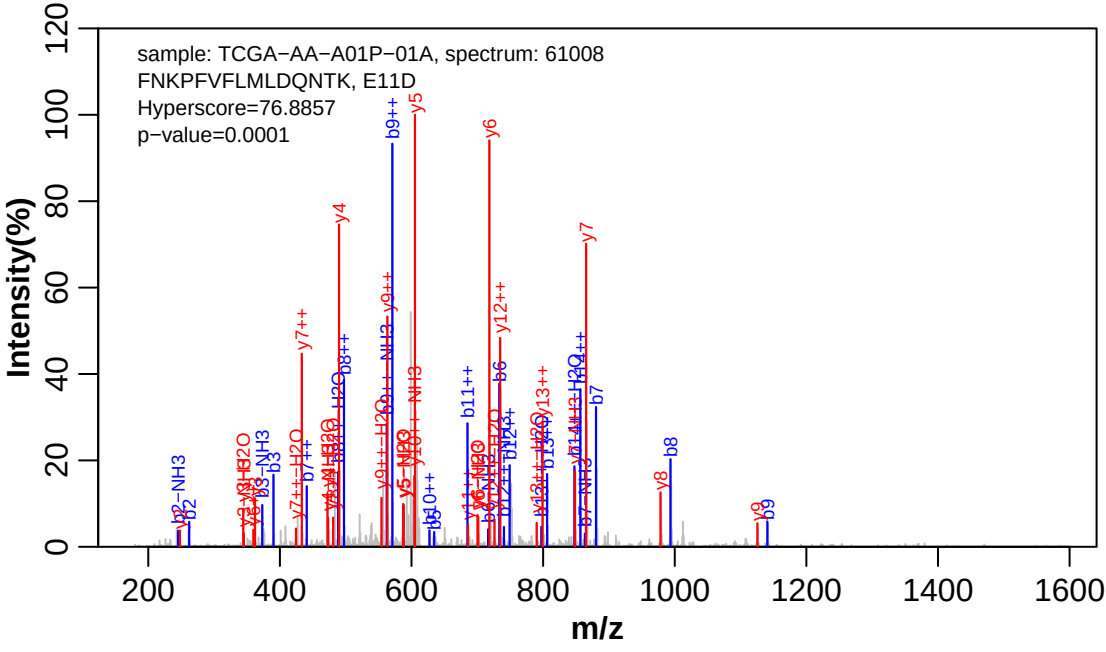

sample: TCGA−AA−A01P−01A, spectrum: 85488
EMNLGSKSGGR, E5G
Hyperscore=23.4613
p−value=0.0003
Intensity(%)
m/z
y1
b2−NH3
b2
y4
b5−NH3
b5−H2O
y5
b5
b6
b6−H2O
y8
b7
y9
b10

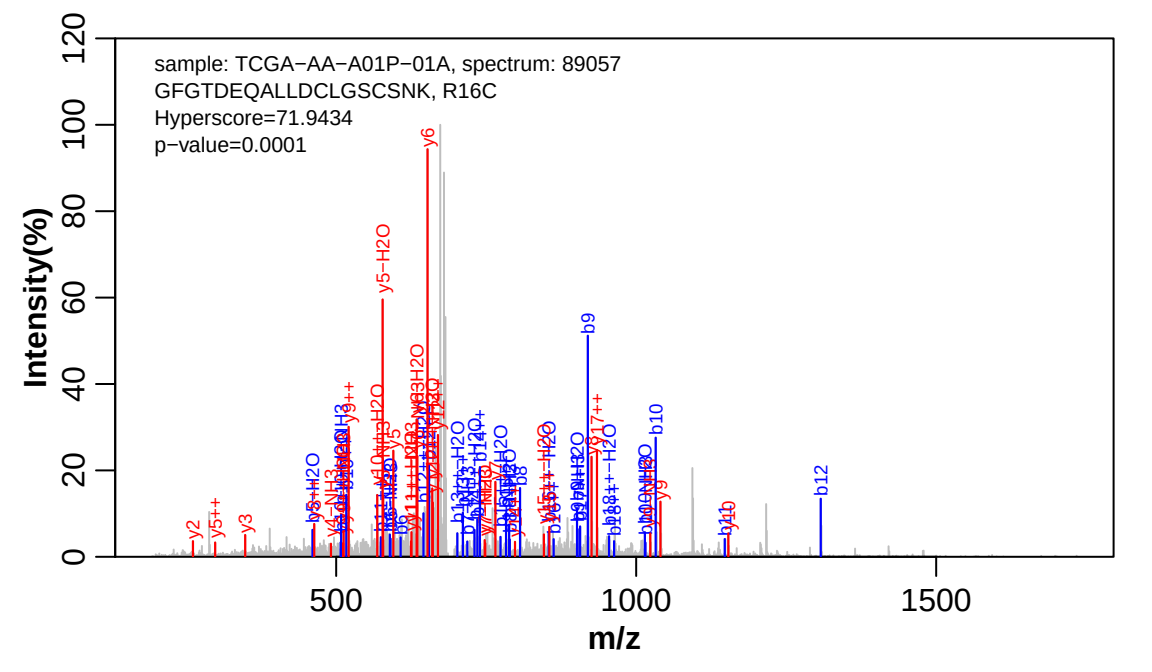

sample: TCGA−AA−A01P−01A, spectrum: 86669
EVTVNVLSPR, K1E
Hyperscore=36.8519
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3−H2O
y3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6
b6−H2O
y6−NH3
y6
b7−NH3
b7
b7−H2O
y7
b8−NH3
b8
b8−H2O
y8

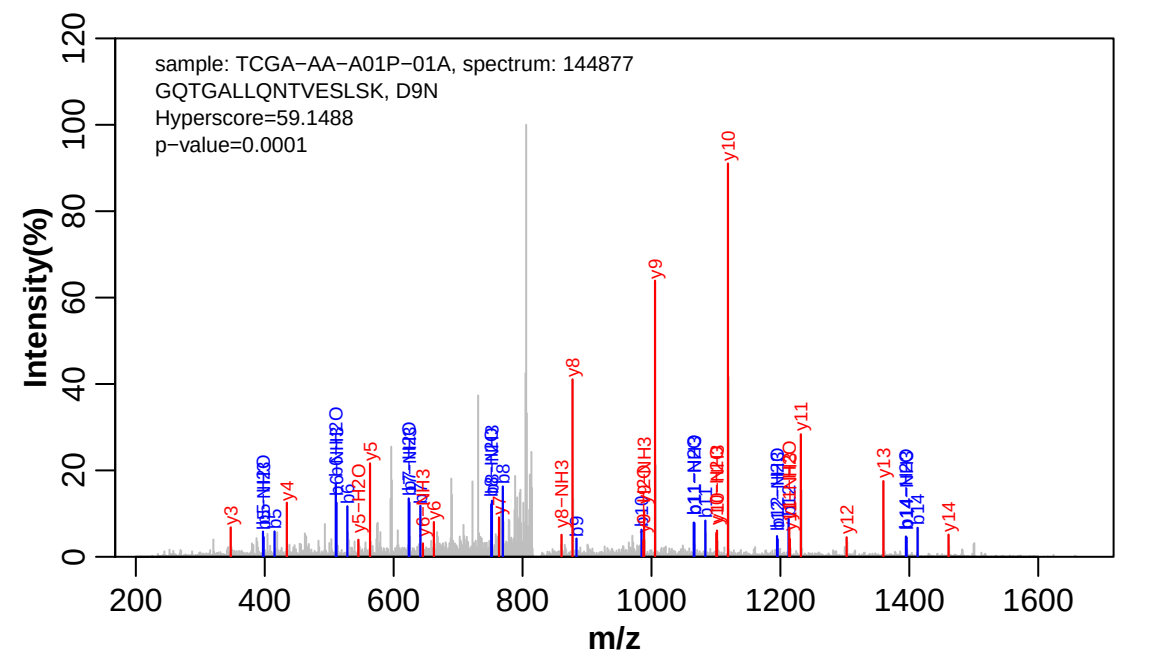

sample: TCGA−AA−A01P−01A, spectrum: 27456
FGLQAQLVTTDFQK, M7L
Hyperscore=55.3318
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b4
b5−NH3
b5
y4
b6−NH3
b6
y5
y6−NH3
b7−NH3
b7
b7−H2O
y6
b8−NH3
b8−H2O
b8
y7
b9
y8
y9
y10
y10−NH3
b11
y11−NH3
y11
b12
b13

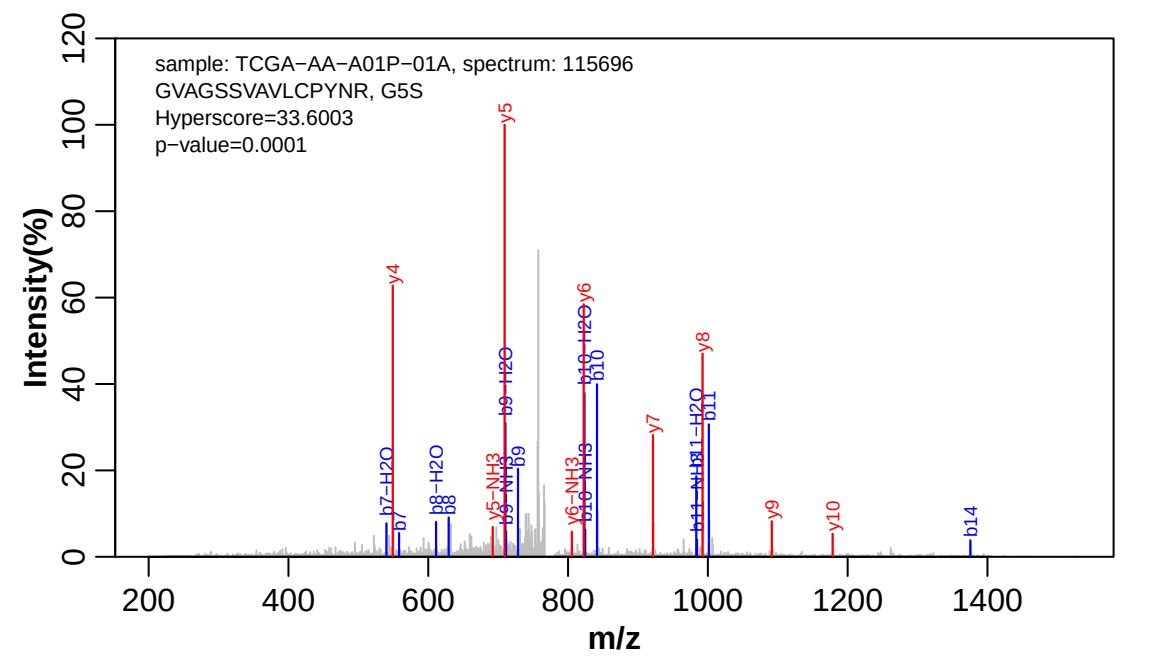

sample: TCGA−AA−A01P−01A, spectrum: 97608
FLGTEPEPDAAGLDSGHLR, V11A
Hyperscore=20.5499
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b5
b13++
b4
y16++−H2O
b8−NH3
b10
b12−H2O

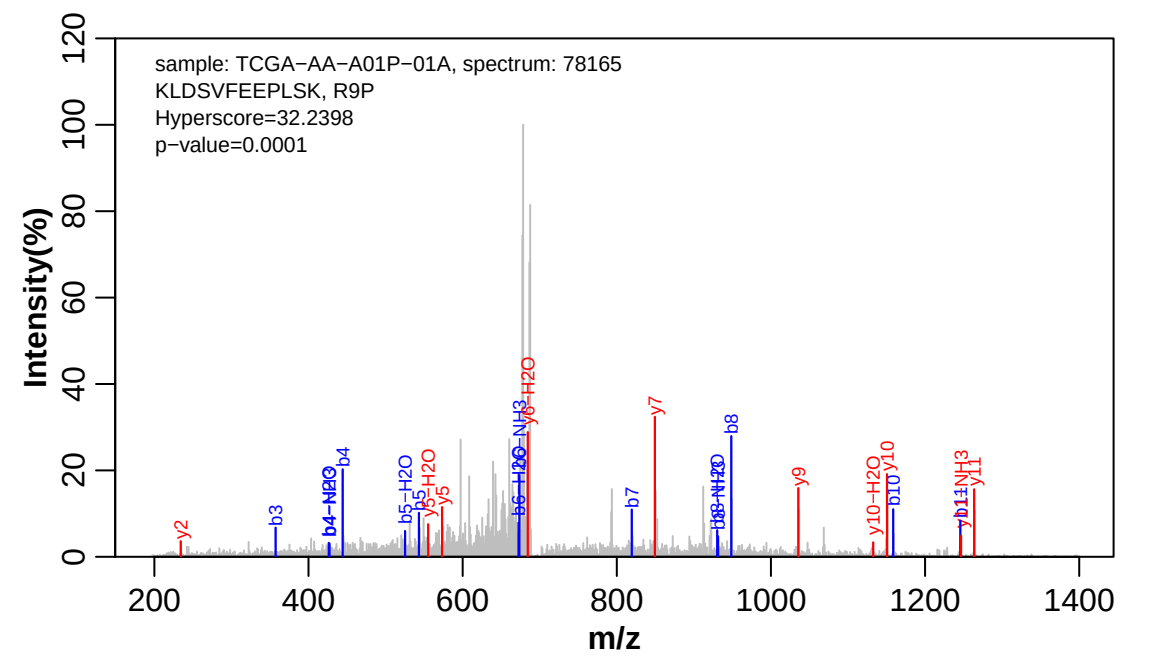

sample: TCGA−AA−A01P−01A, spectrum: 3596
FLSLESDR, G6S
Hyperscore=15.5682
p−value=0.0012
Intensity(%)
m/z
b2
b3
y3
b4−H2O
b4
y4
y5
y6−H2O
y6

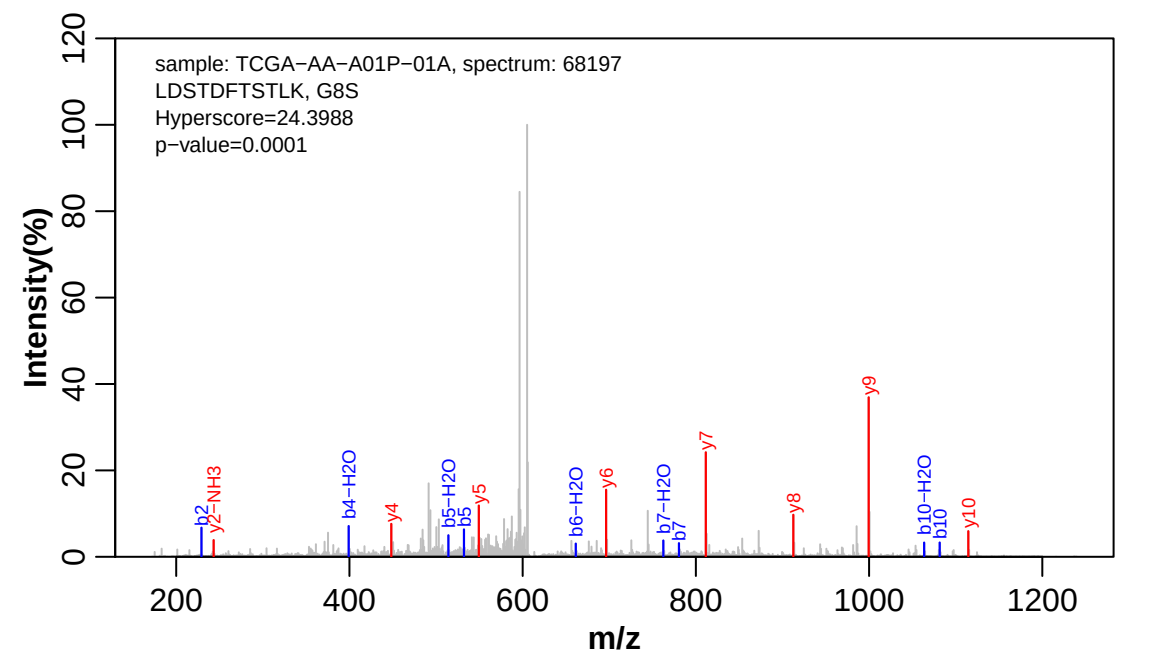

sample: TCGA−AA−A01P−01A, spectrum: 61008
FNKPFVFLMLDQNTK, E11D
Hyperscore=76.8857
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2−NH3
b2
y3−H2O
y3
b3−NH3
b3
y7++
y7++−H2O
b7++
y4
b8++
y9++−H2O
y9++−NH3
y9++
y5−NH3
y5
b9++
y5
b10++
b10
b11++
y6
y12++
b6
y13++
b7−NH3
y7
b7
y8
b8
y9
b9

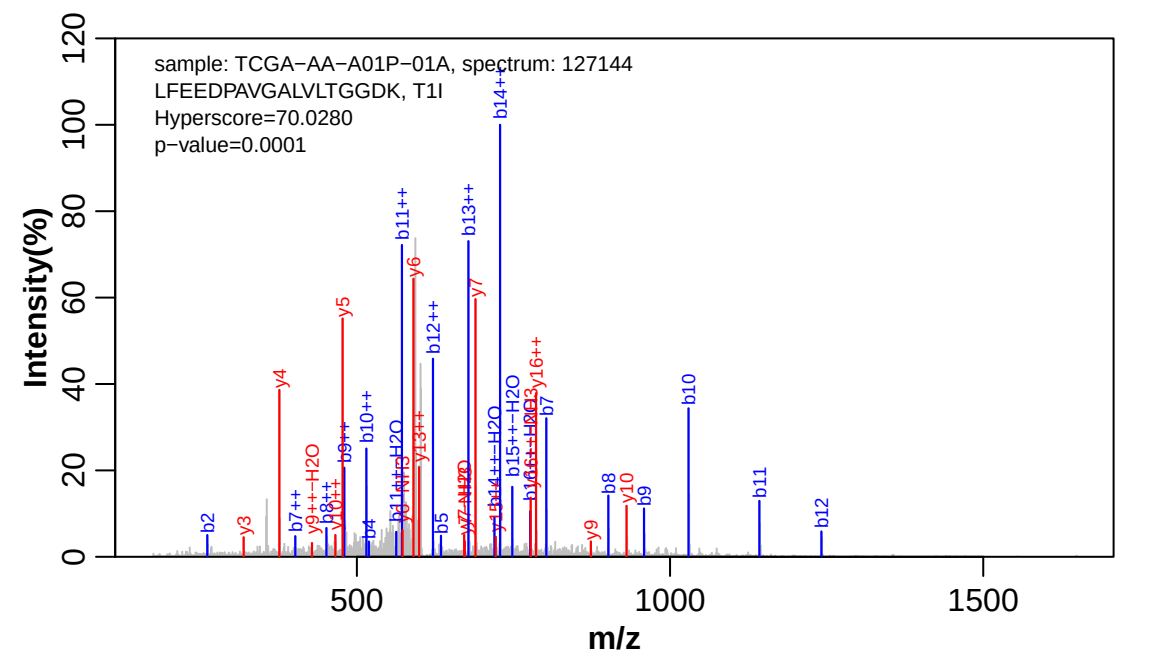

sample: TCGA−AA−A01P−01A, spectrum: 89057
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=71.9434
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y2
y5++
y3
b5++H2O
y3++
b11
y9
y10

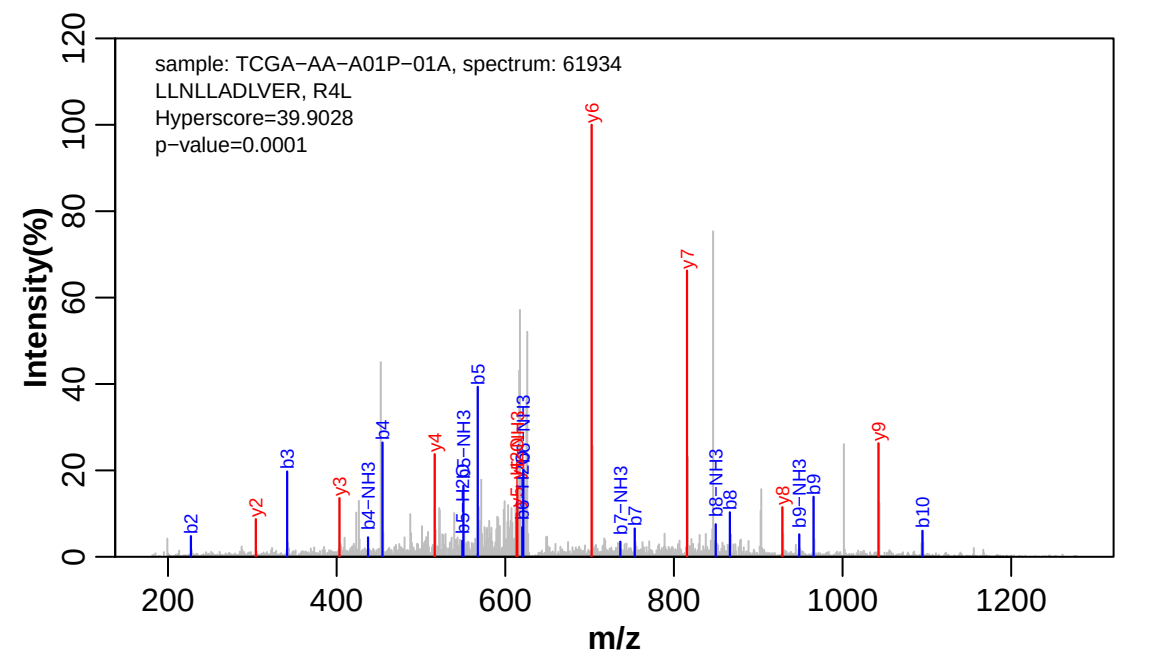

sample: TCGA−AA−A01P−01A, spectrum: 144877
GQTGALLQNTVESLSK, D9N
Hyperscore=59.1488
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
y4
y5
y5−H2O
y6
y6−NH3
y8
y8−NH3
y9
y10
y11
y12
y13
y14

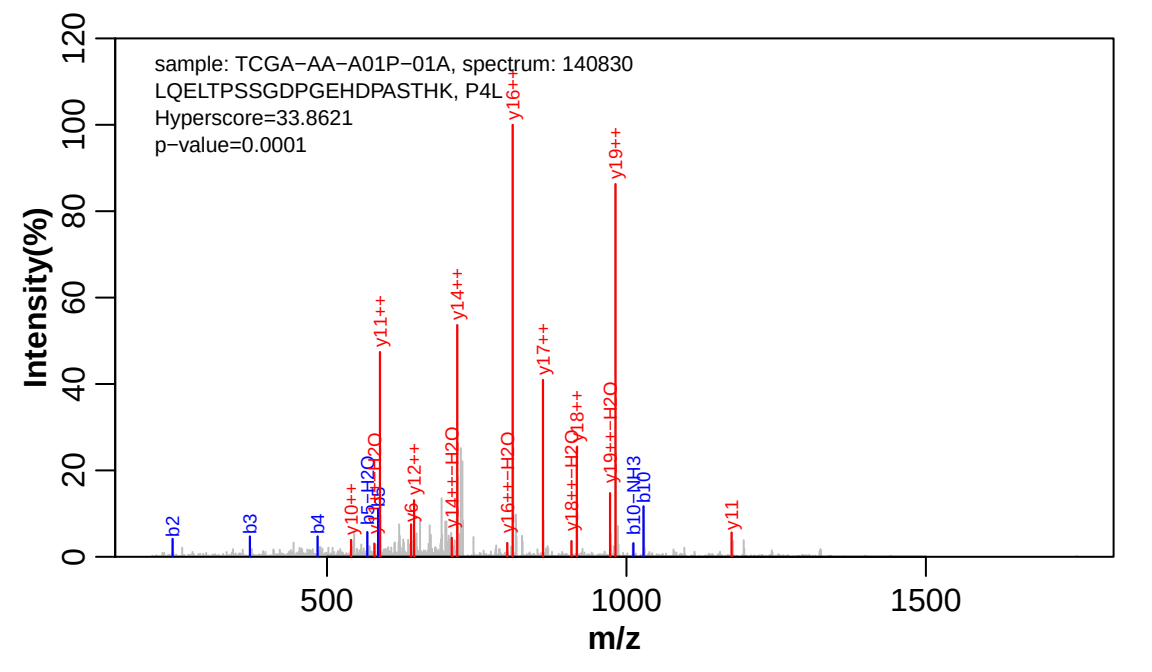

sample: TCGA−AA−A01P−01A, spectrum: 115696
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.6003
p−value=0.0001
Intensity(%)
m/z
y5
y4
y6
y8
y7
y9
y10
b14
b10
b11
b9
b7
b8
b7−H2O
b8−H2O
b9−H2O
b10−H2O
b11−H2O
y5−NH3
y6−NH3
b9−NH3
b10−NH3
b11−NH3

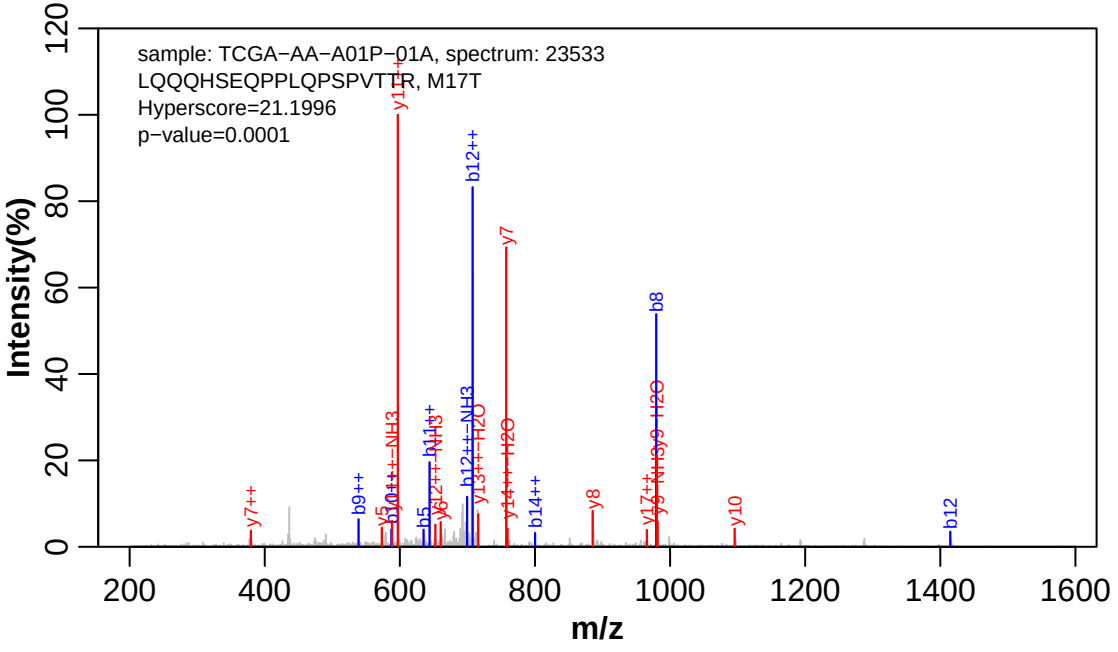

sample: TCGA−AA−A01P−01A, spectrum: 78165
KLDSVFEEPLSK, R9P
Hyperscore=32.2398
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
b4
b4−NH3
b4−H2O
b5−H2O
b5
y5−H2O
y5
b6−H2O−NH3
y6−H2O
y7
b7
b8
b8−NH3
b8−H2O
y9
y10−H2O
b10
y10
b11−NH3
b11
y11

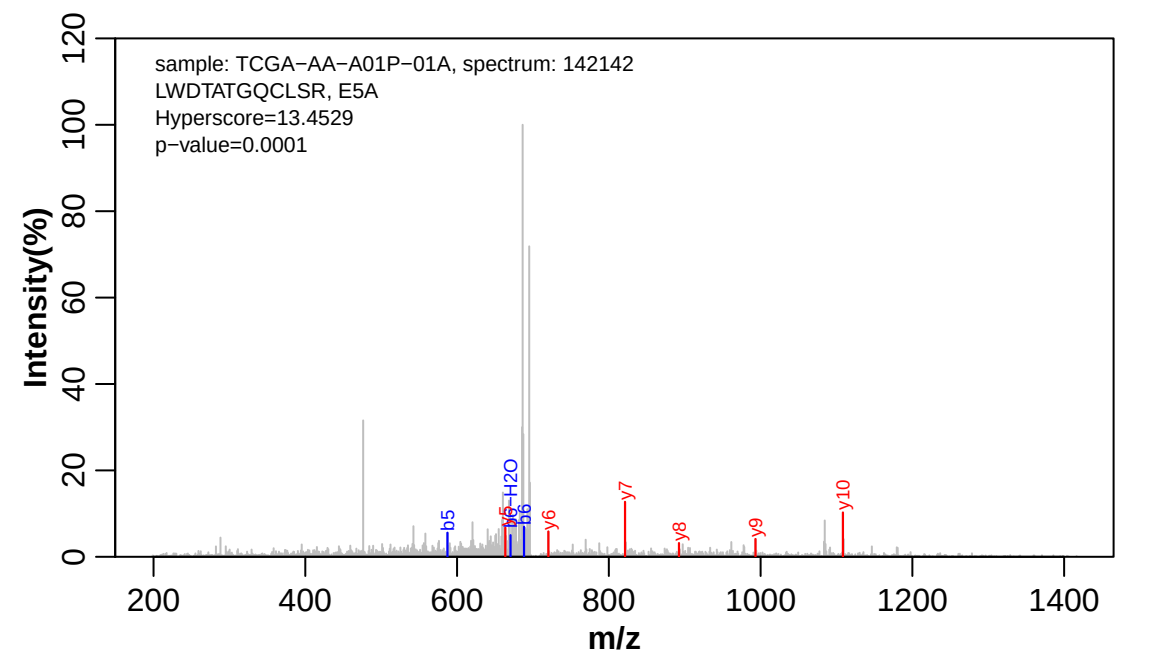

sample: TCGA−AA−A01P−01A, spectrum: 68197
LDSTDFTSTLK, G8S
Hyperscore=24.3988
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
y2−NH3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
y6
b7−H2O
b7
y7
y8
y9
b10−H2O
b10
y10

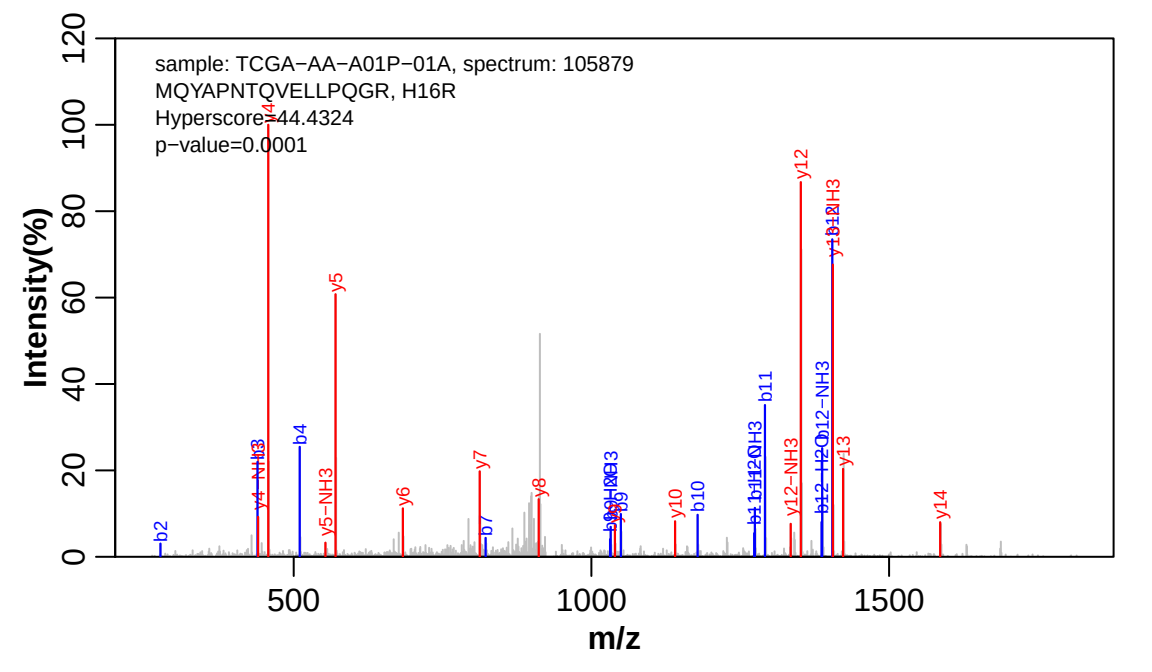

sample: TCGA−AA−A01P−01A, spectrum: 127144
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=70.0280
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y4
b7++
y9++−H2O
b8++
y10++
y5
b9++
b4
b10++
b11++−H2O
b11++−NH3
y6
b11++
y13++
b12++
b5
y7−NH3
y7
b13++
y14++−H2O
b15++−H2O
b16++−H2O
y16++
b7
b14++
y9
b8
y10
b9
b10
b11
b12

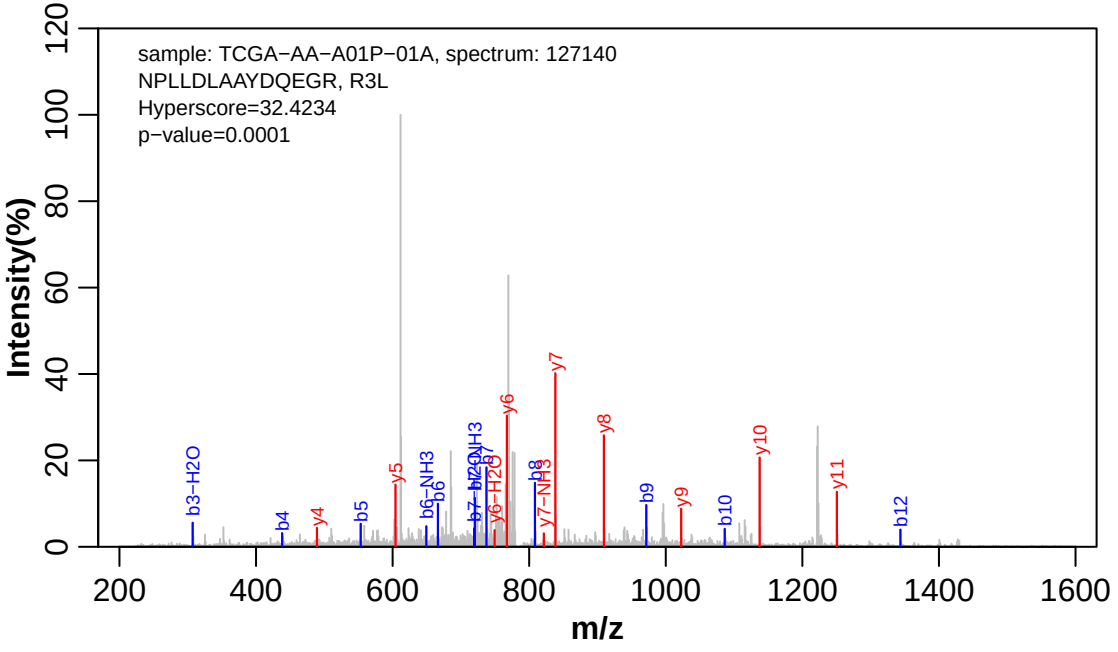

sample: TCGA−AA−A01P−01A, spectrum: 61934
LLNLLADLVER, R4L
Hyperscore=39.9028
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y2
y3
y4
y8
b2
b3
b4
b4−NH3
b5
b5−NH3
b7−NH3
b7
b8−NH3
b8
b9
b9−NH3
b10

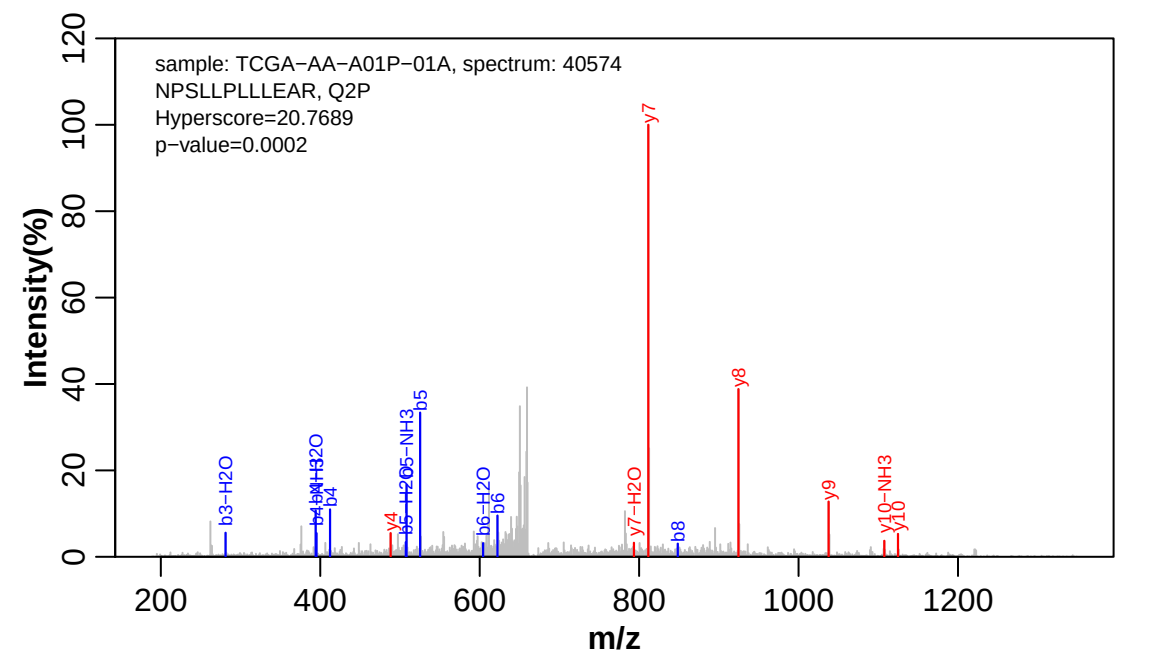

sample: TCGA−AA−A01P−01A, spectrum: 140830
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=33.8621
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b4
y10++
b5
y11++
y6
y12++
y14++
y14++−H2O
y16++
y16++−H2O
y17++
y18++
y18++−H2O
y19++
y19++−H2O
b10−NH3
y11

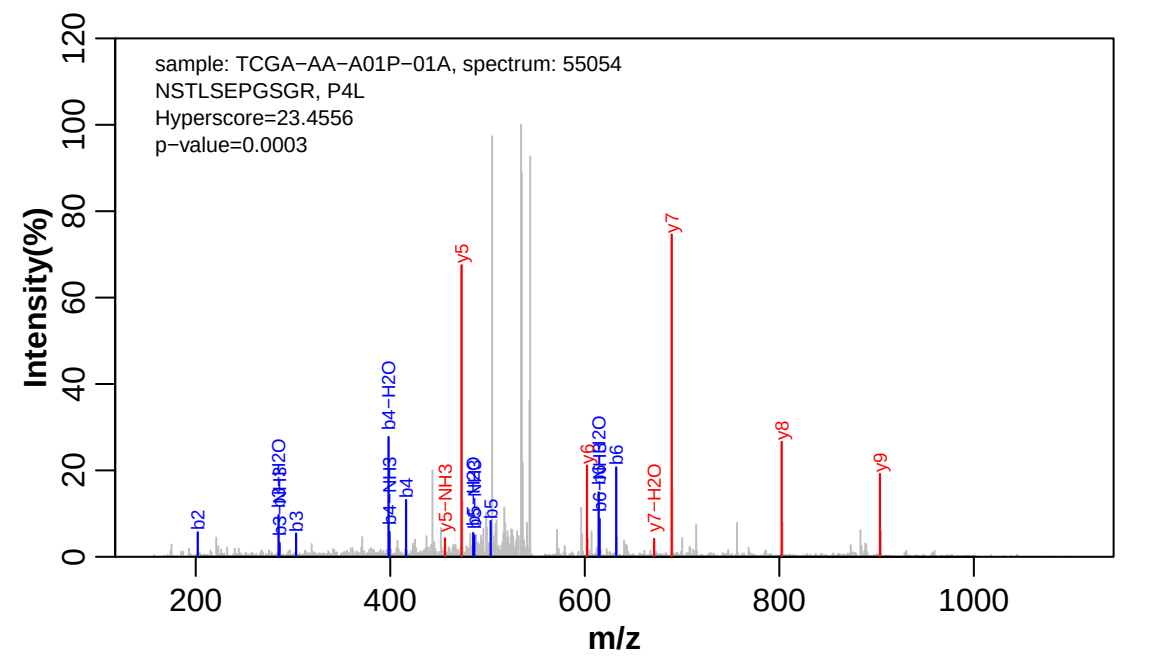

sample: TCGA−AA−A01P−01A, spectrum: 23533
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.1996
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y11++
b12++
y7
b8
y7++
b9++
y5
y11++−NH3
b5
b11++
y6
y12++−NH3
b12++−NH3
y13++−H2O
y14++−H2O
b14++
y8
y17++
y9−NH3y9−H2O
y10
b12

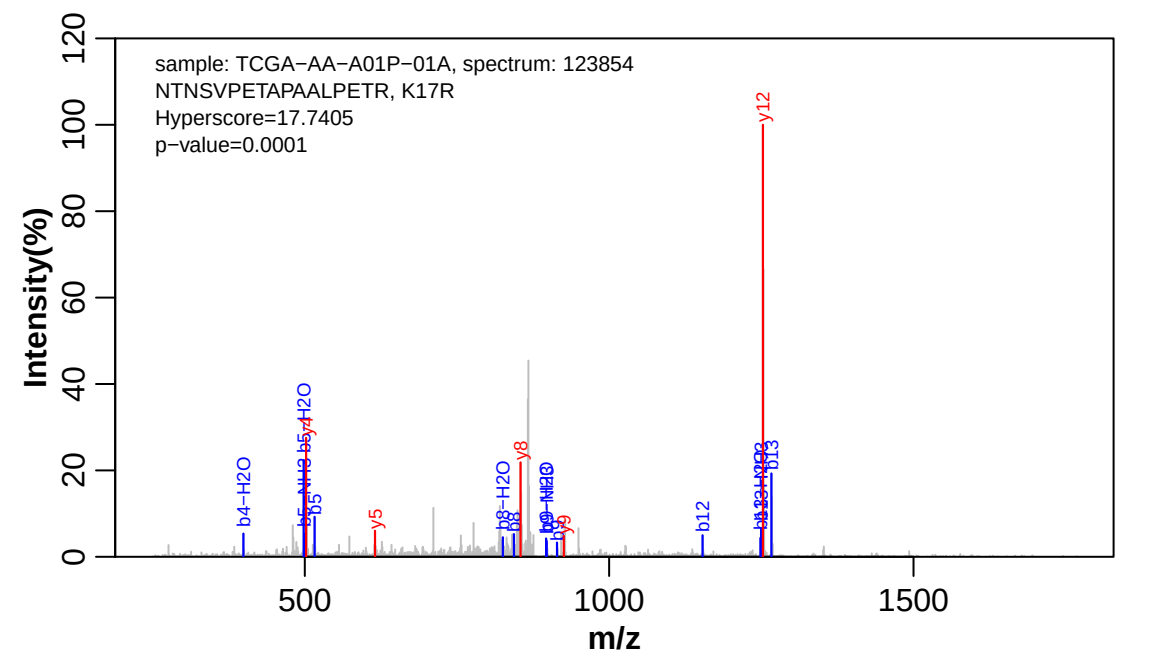

sample: TCGA−AA−A01P−01A, spectrum: 142142
LWDTATGQCLSR, E5A
Hyperscore=13.4529
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
m/z
b5
b6−H2O
b6
y6
y7
y8
y9
y10

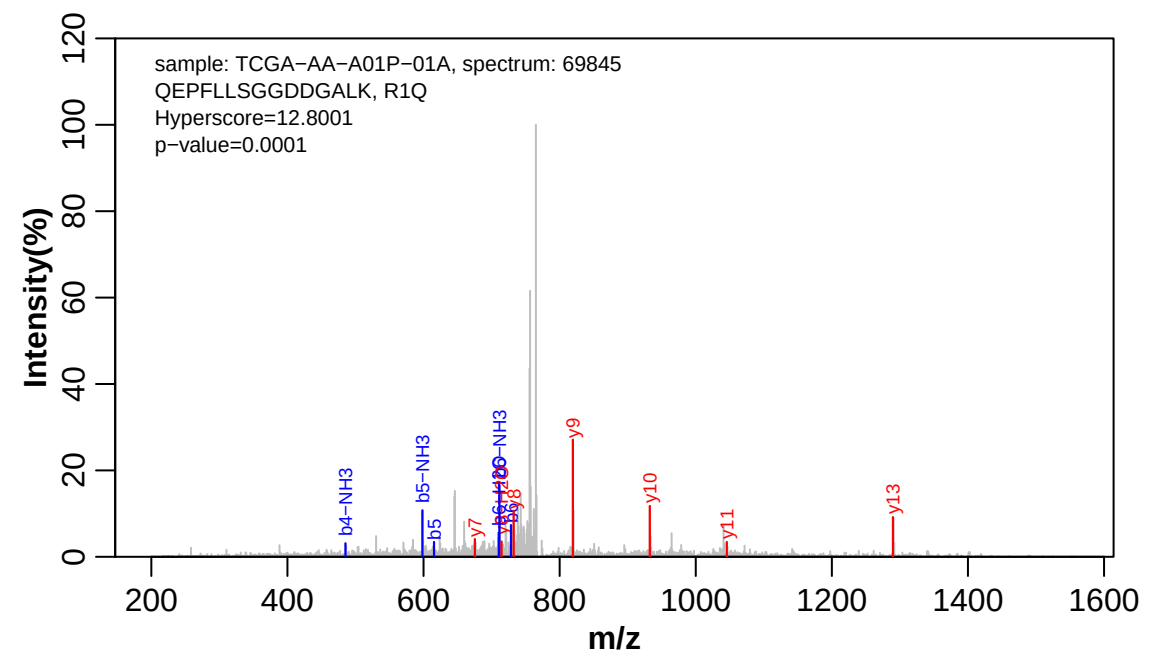

sample: TCGA−AA−A01P−01A, spectrum: 105879
MQYAPNTQVELLPQGR, H16R
Hyperscore=44.4324
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y4
y4−NH3
b4
y5
y5−NH3
y6
y7
b7
y8
y10
b10
b11
y12
y12−NH3
y13
y14

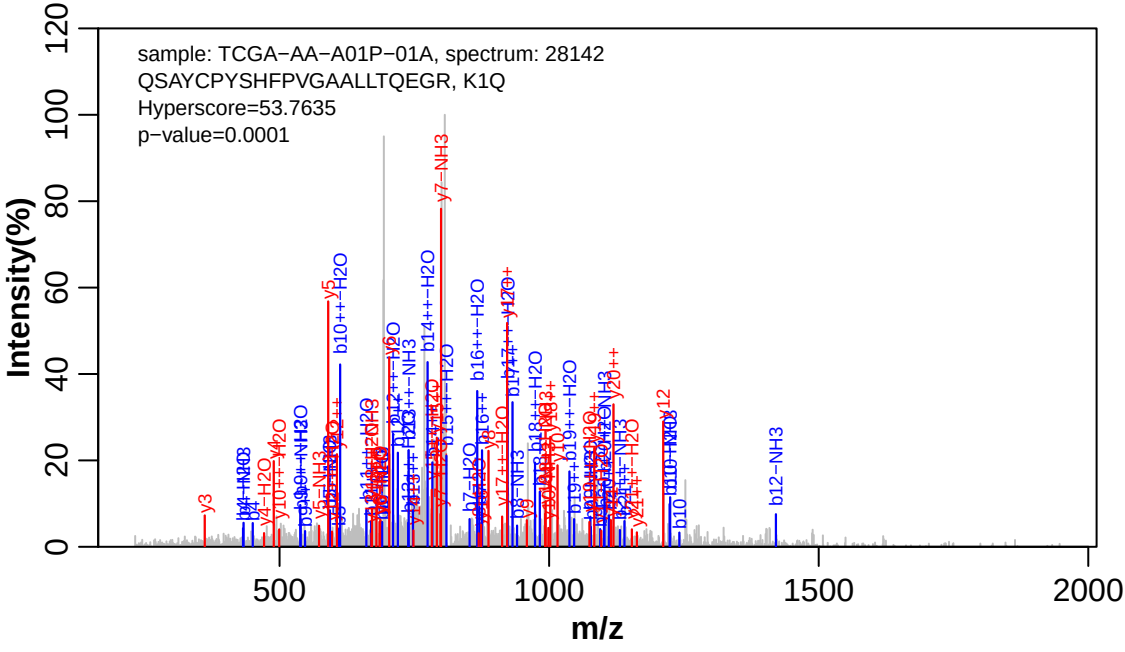

sample: TCGA−AA−A01P−01A, spectrum: 127140
NPLLDLAAYDQEGR, R3L
Hyperscore=32.4234
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b4
y4
b5
y5
b6−NH3
b6
y6−H2O
y6
y7−NH3
y7
b8
y8
b9
y9
b10
y10
y11
b12

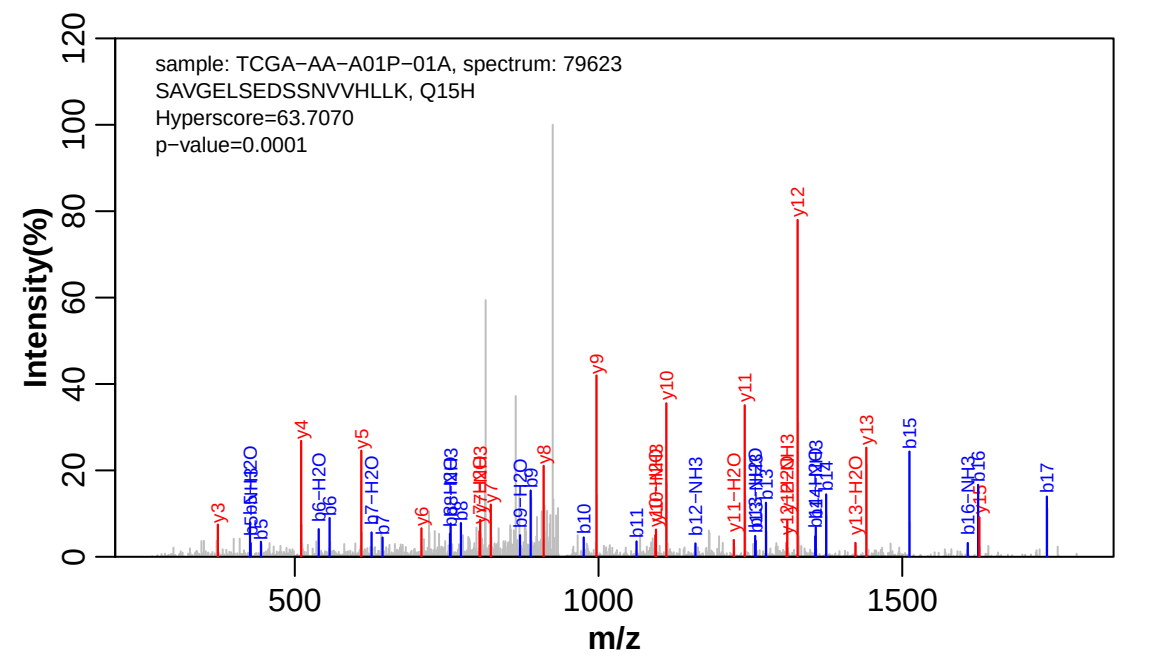

sample: TCGA−AA−A01P−01A, spectrum: 40574
NPSLLPLLLEAR, Q2P
Hyperscore=20.7689
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b4
y4
b5
b5−NH3
b6−H2O
b6
y7
y7−H2O
b8
y8
y9
y10−NH3
y10

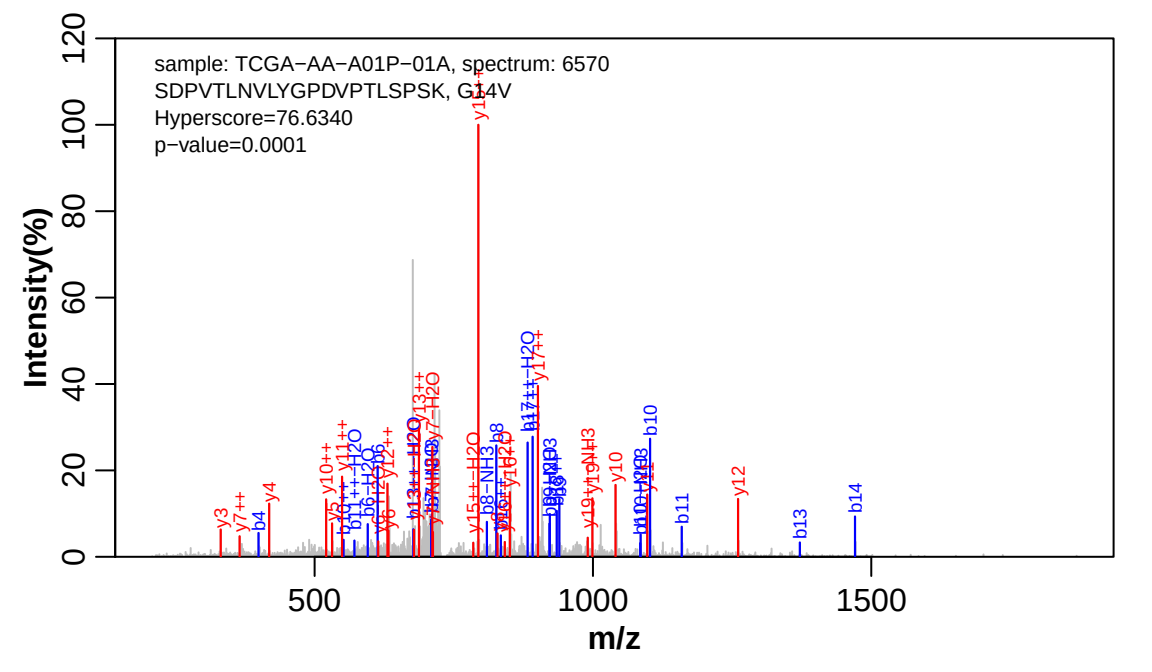

sample: TCGA−AA−A01P−01A, spectrum: 55054
NSTLSEPGSGR, P4L
Hyperscore=23.4556
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
b3−H2O
b4
b4−NH3
b4−H2O
y5−NH3
y5
b5
b6
b6−H2O
y6
y7
y7−H2O
y8
y9

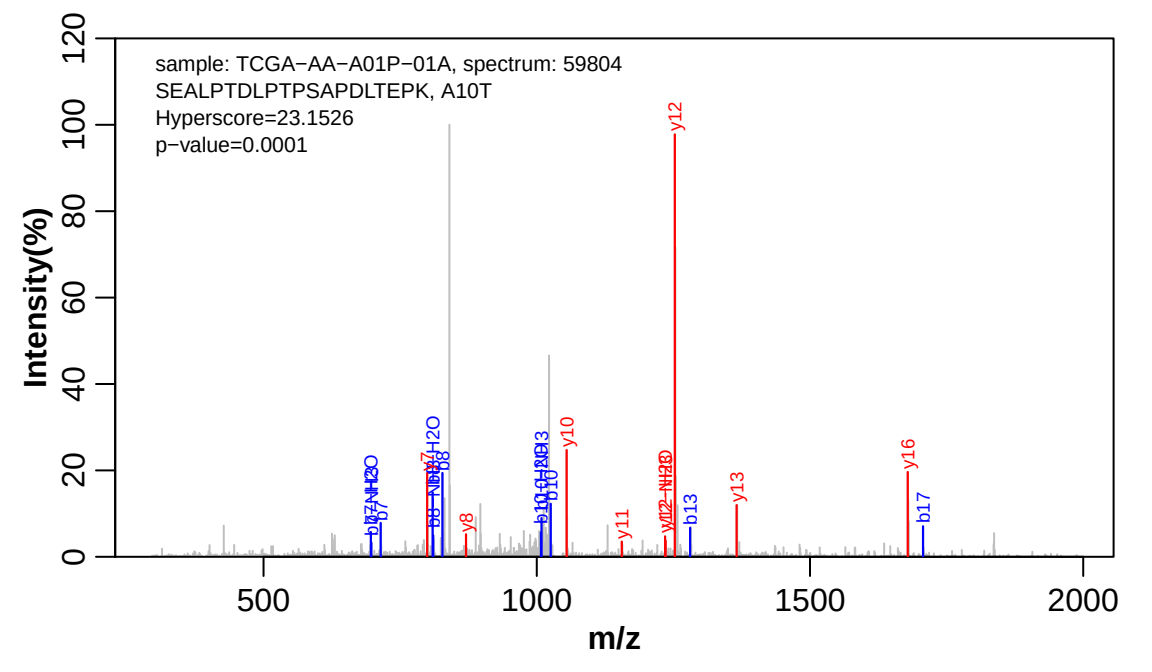

sample: TCGA−AA−A01P−01A, spectrum: 123854
NTNSVPETAPAALPETR, K17R
Hyperscore=17.7405
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y8
y5
b4−H2O
b5−NH3
b5
y4
b8−H2O
b8
b12
b13

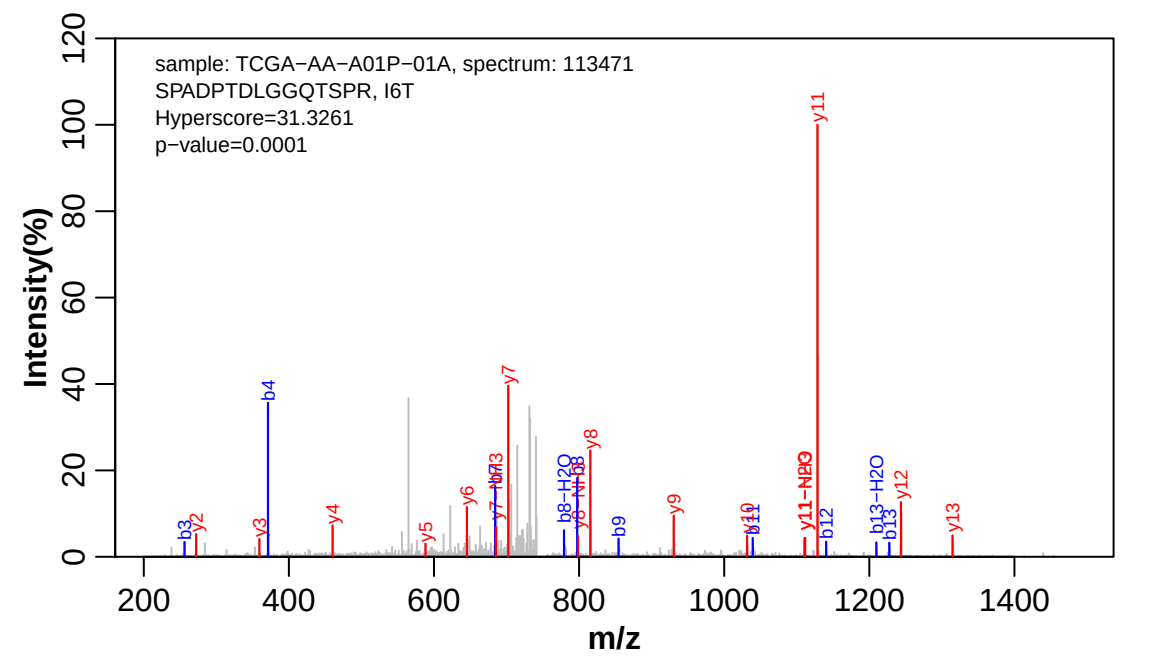

sample: TCGA−AA−A01P−01A, spectrum: 69845
QEPFLLSGGDDGALK, R1Q
Hyperscore=12.8001
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
1600
b4−NH3
b5−NH3
b5
y7
y9
y10
y11
y13

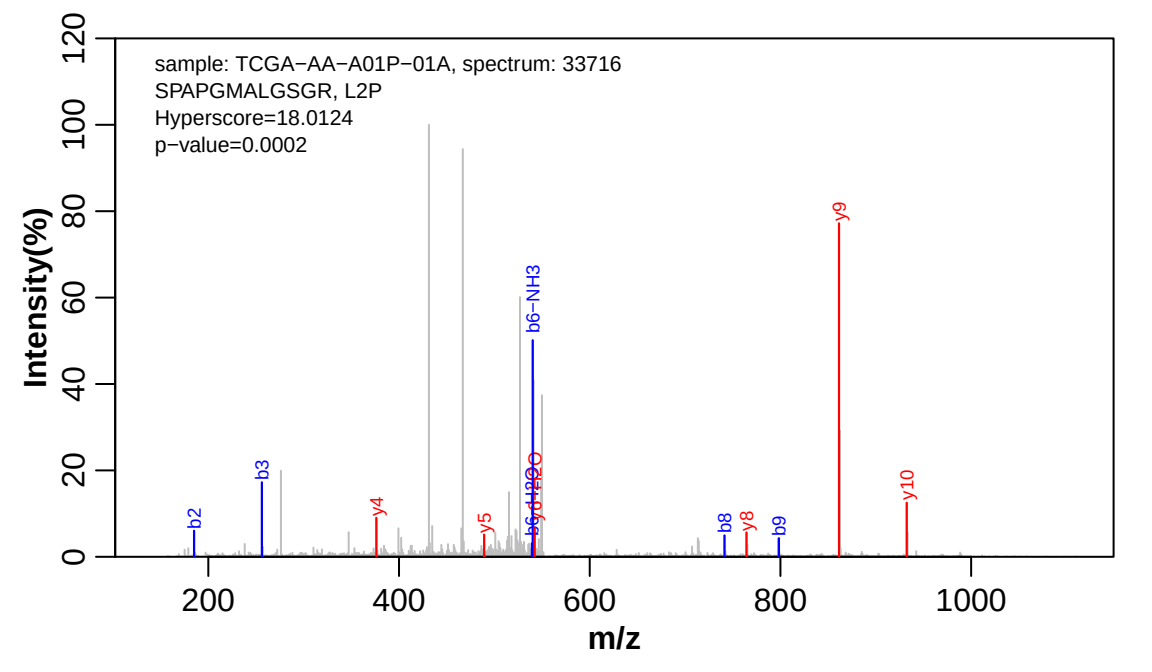

sample: TCGA−AA−A01P−01A, spectrum: 28142
QSAYCPYSHFPVGAALLTQEGR, K1Q
Hyperscore=53.7635
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4−H2O
y10++−H2O
y5
b10++−H2O
y7−NH3
b14++−H2O
b16++−H2O
y17++−H2O
b12−NH3

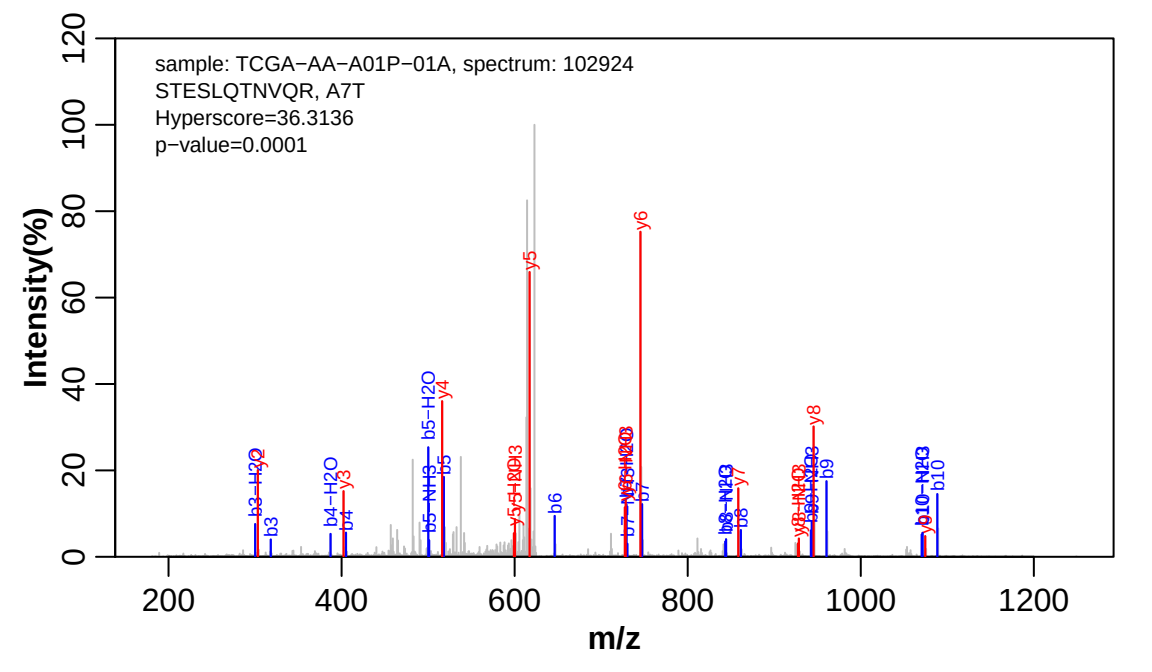

sample: TCGA−AA−A01P−01A, spectrum: 79623
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=63.7070
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
y6
y7
y8
y9
y10
y11
y12
y13
b6−H2O
b7−H2O
b9−H2O
b10
b11
b12−NH3
y11−H2O
y13−H2O
b15
b16−NH3
b17

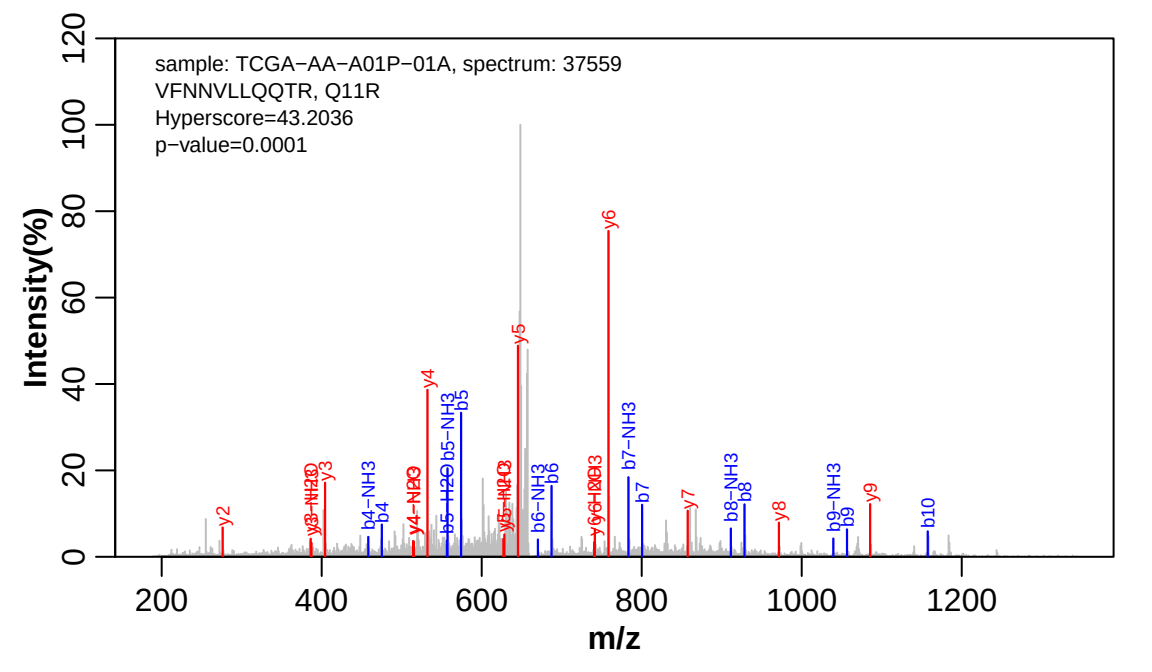

sample: TCGA−AA−A01P−01A, spectrum: 6570
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=76.6340
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y7++
b4
y4
y5
y10++
y11++
b11++−H2O
b6−H2O
y6
y12++
b13++−H2O
y13++
y15++−H2O
b8−NH3
y16++
y17++−H2O
y10
y12
b10
b11
b13
b14

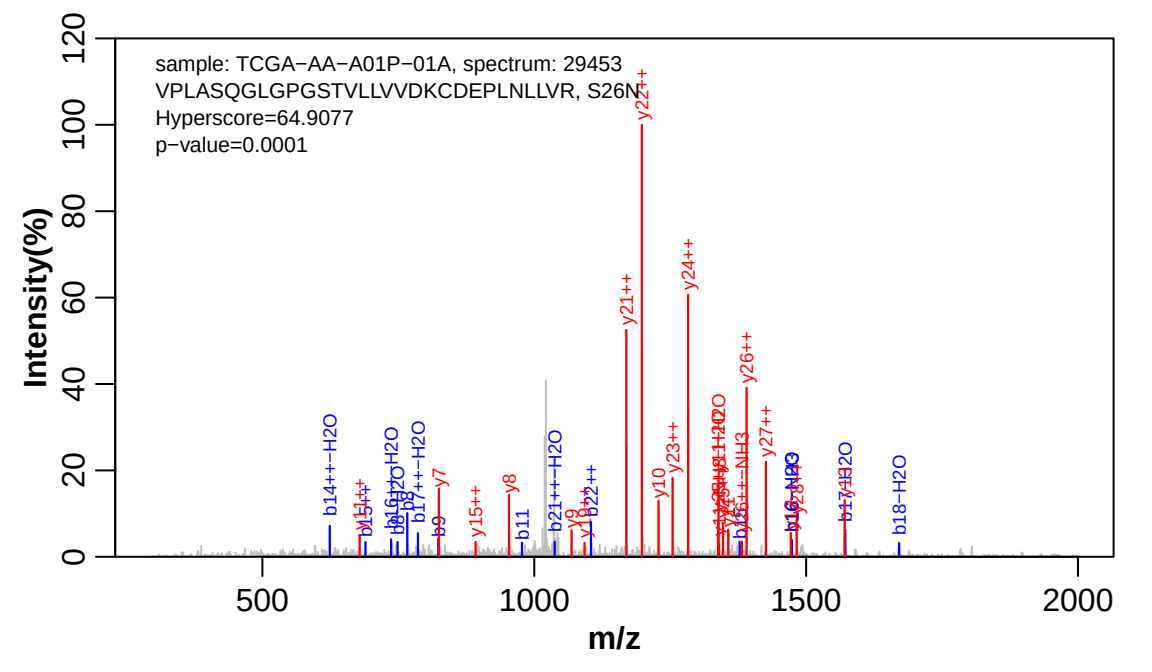

sample: TCGA−AA−A01P−01A, spectrum: 59804
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=23.1526
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
y10
y8
y11
y13
y16
b13
b17

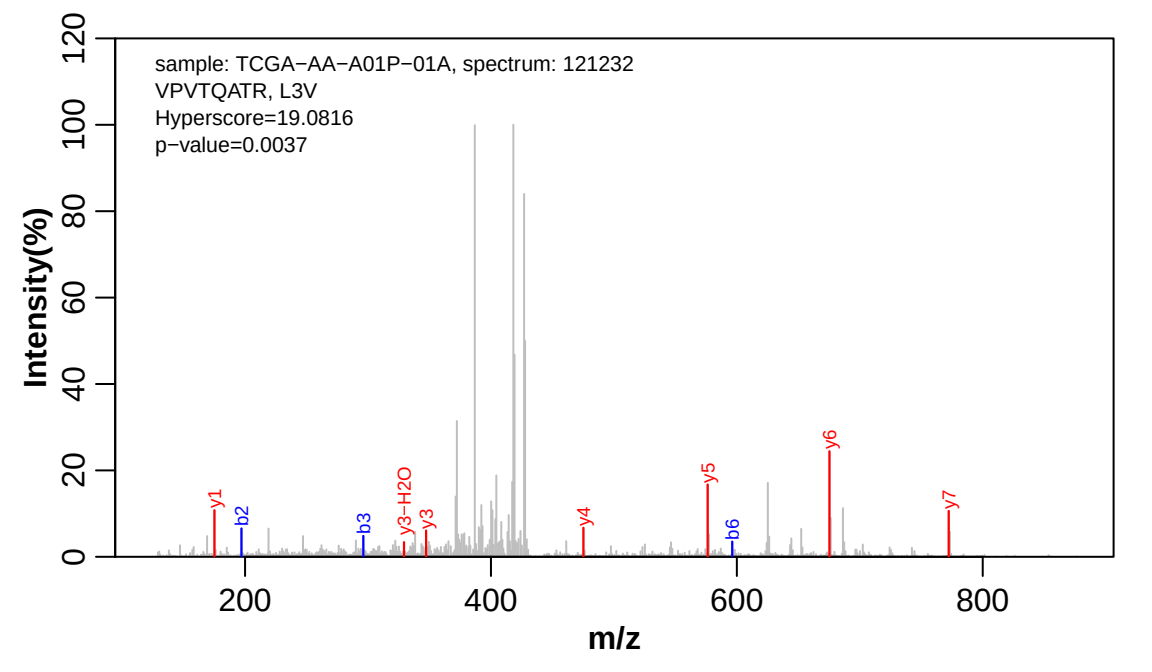

sample: TCGA−AA−A01P−01A, spectrum: 113471
SPADPTDLGGQTSPR, I6T
Hyperscore=31.3261
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
y5
y6
y7
y7−NH3
y8
b8−H2O
y8−NH3
b9
y9
b10
b11
y11−NH3
y11−H2O
b12
b13−H2O
b13
y12
y13
y11

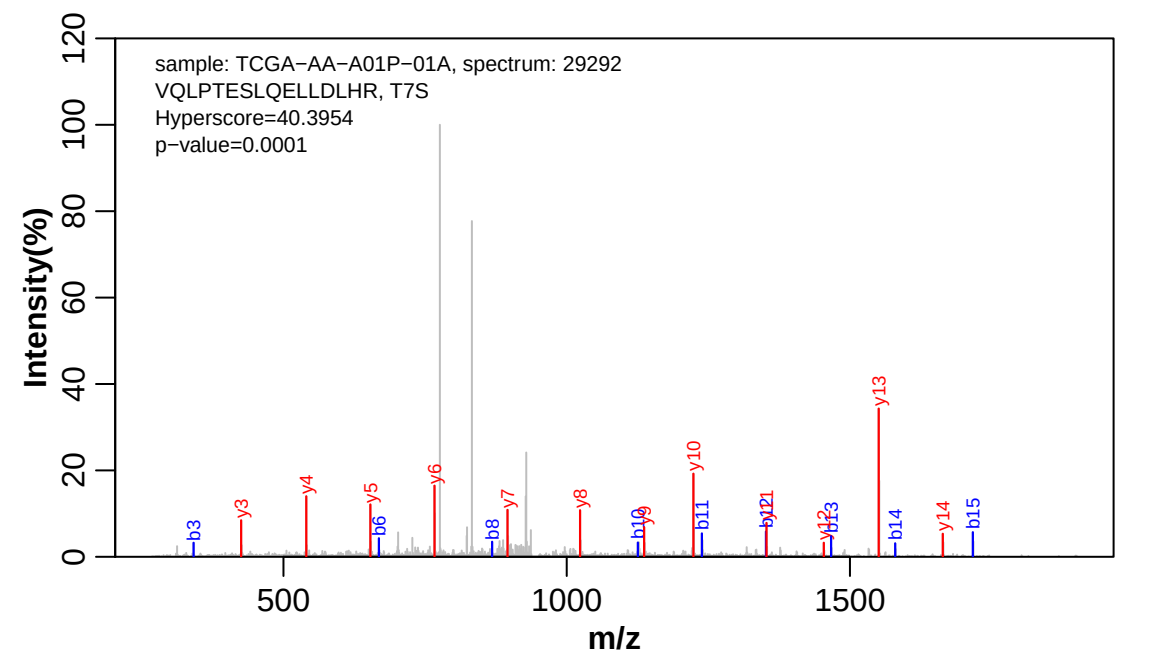

sample: TCGA−AA−A01P−01A, spectrum: 33716
SPAPGMALGSGR, L2P
Hyperscore=18.0124
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b2
b3
y4
y5
b6−NH3
b6−H2O
b8
y8
b9
y9
y10

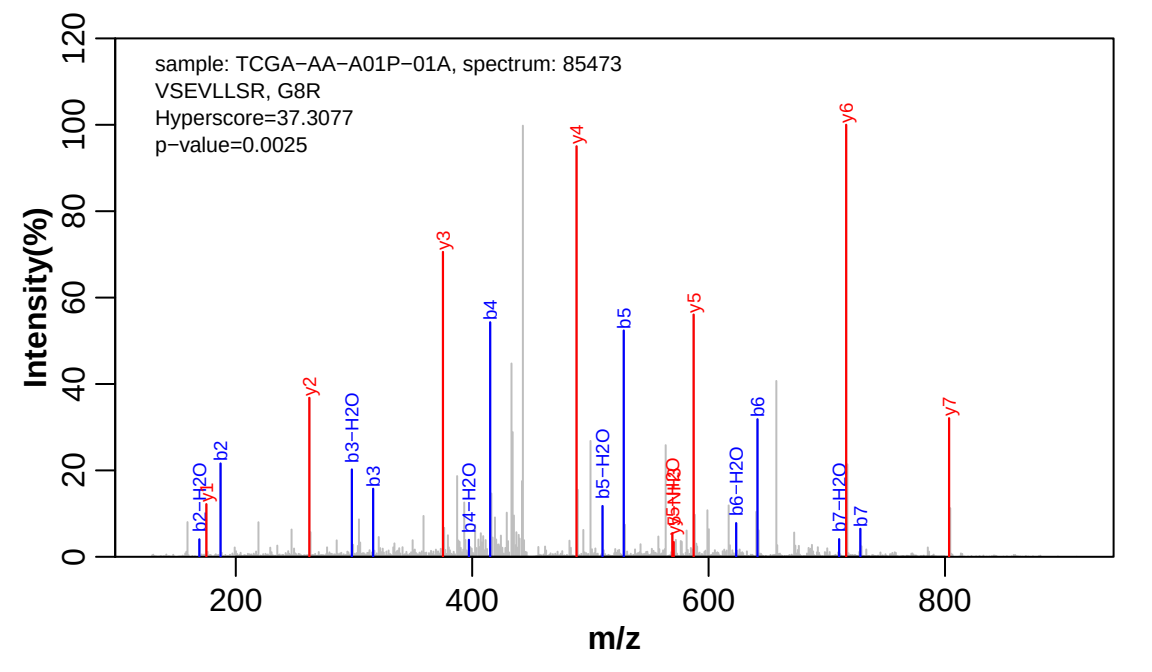

sample: TCGA−AA−A01P−01A, spectrum: 102924
STESLQTNVQR, A7T
Hyperscore=36.3136
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
b4−H2O
y3
b4
b5−H2O
y4
b5−NH3
b5
y5−H2O
y5−NH3
y5
b6
y6
b7−NH3
b7−H2O
b7
b8−NH3
b8−H2O
b8
y7
y8−NH3
y8−H2O
y8
b9−NH3
b9
b10−NH3
b10
y10

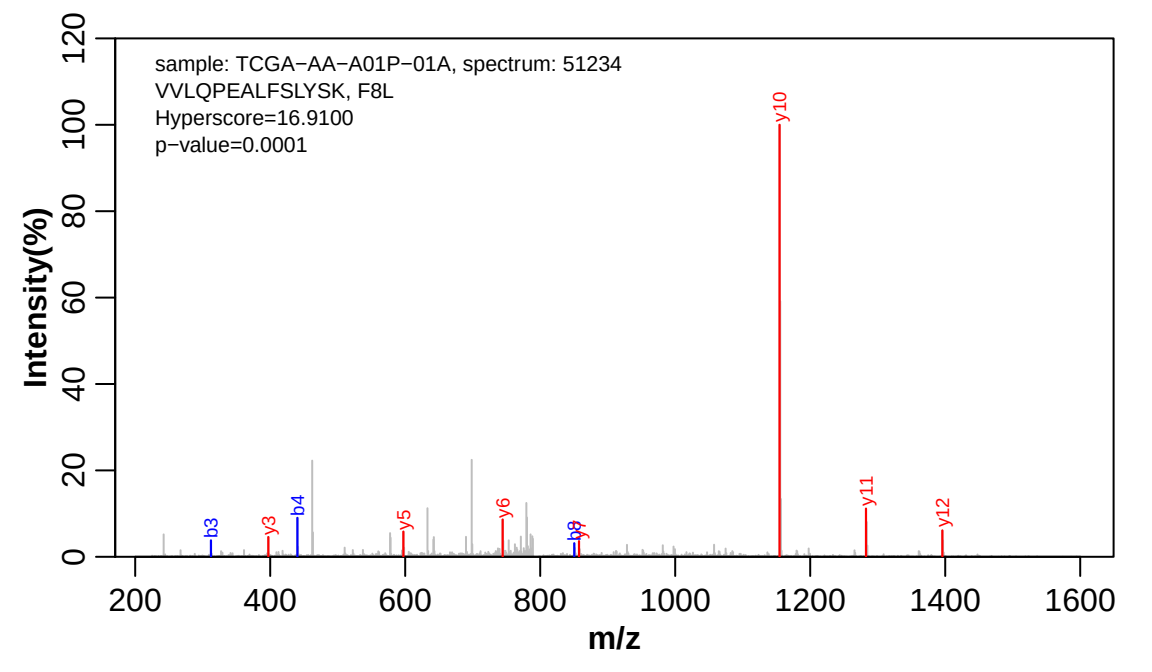

sample: TCGA−AA−A01P−01A, spectrum: 37559
VFNNVLLQQTR, Q11R
Hyperscore=43.2036
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y3
b4−NH3
b4
b5−NH3
b5
y4
y5
b6−NH3
b6
y6
b7−NH3
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

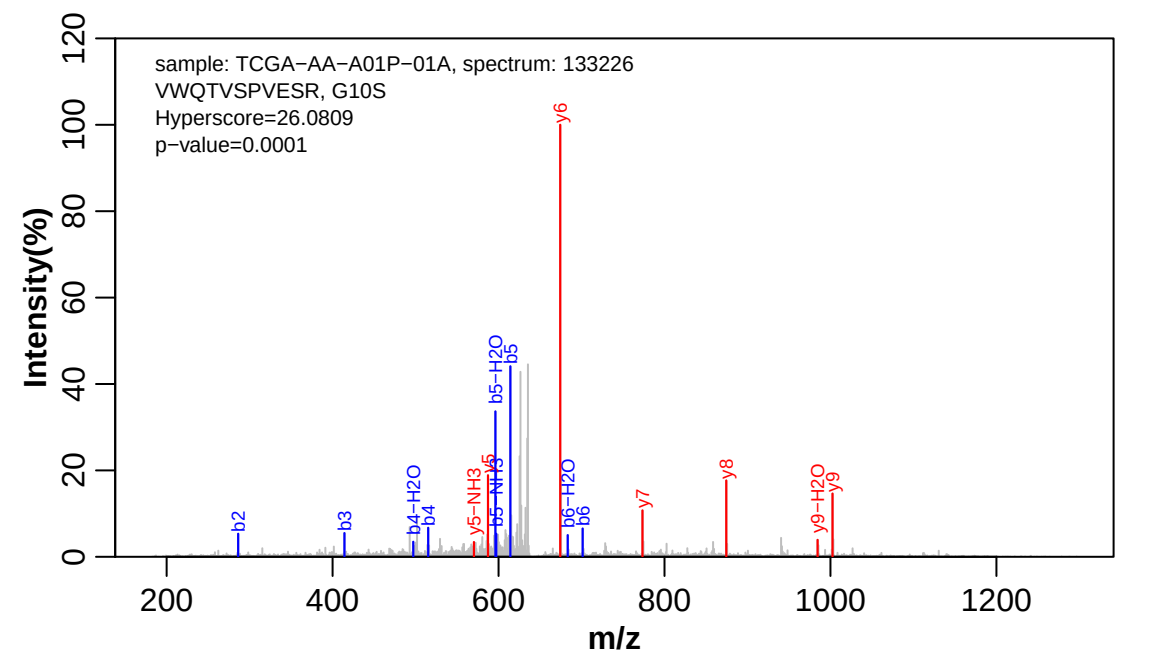

sample: TCGA−AA−A01P−01A, spectrum: 29453
VPLASQGLGPGSTVLLVVDKCDEPLNLLVR, S26Y
Hyperscore=64.9077
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y22++
y21++
y24++
y23++
y10
y26++
y27++
y15++
y8
y7
b11
b9
b14++−H2O
b17++−H2O
b18−H2O

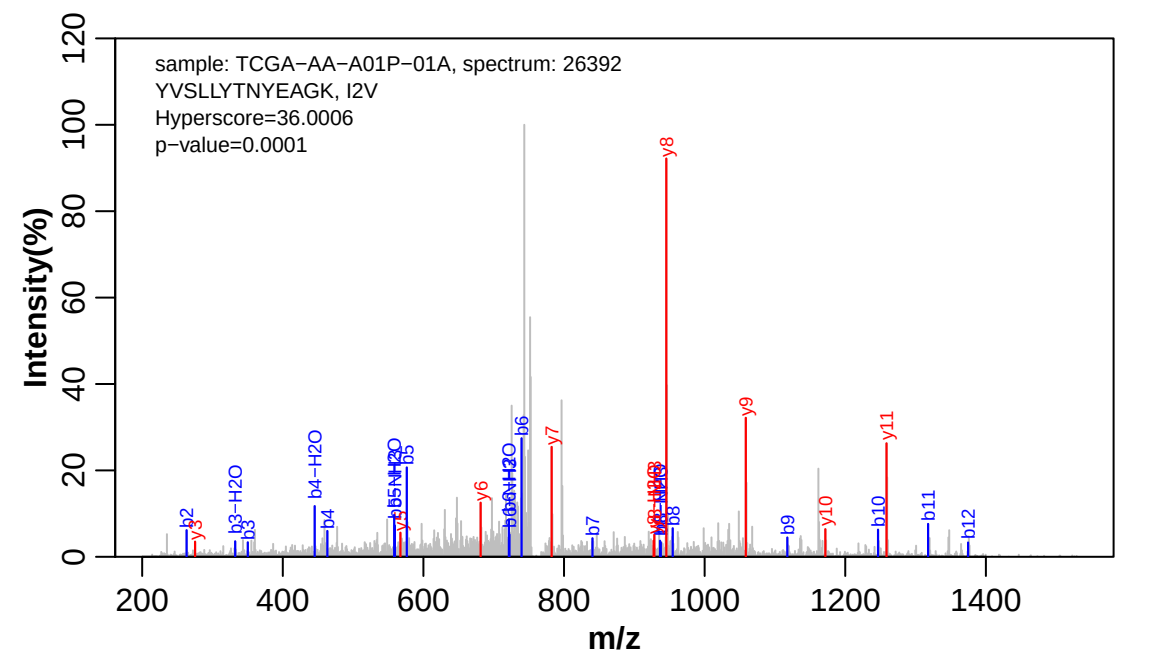

sample: TCGA−AA−A01P−01A, spectrum: 121232
VPVTQATR, L3V
Hyperscore=19.0816
p−value=0.0037
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3−H2O
y3
y4
y5
b6
y6
y7

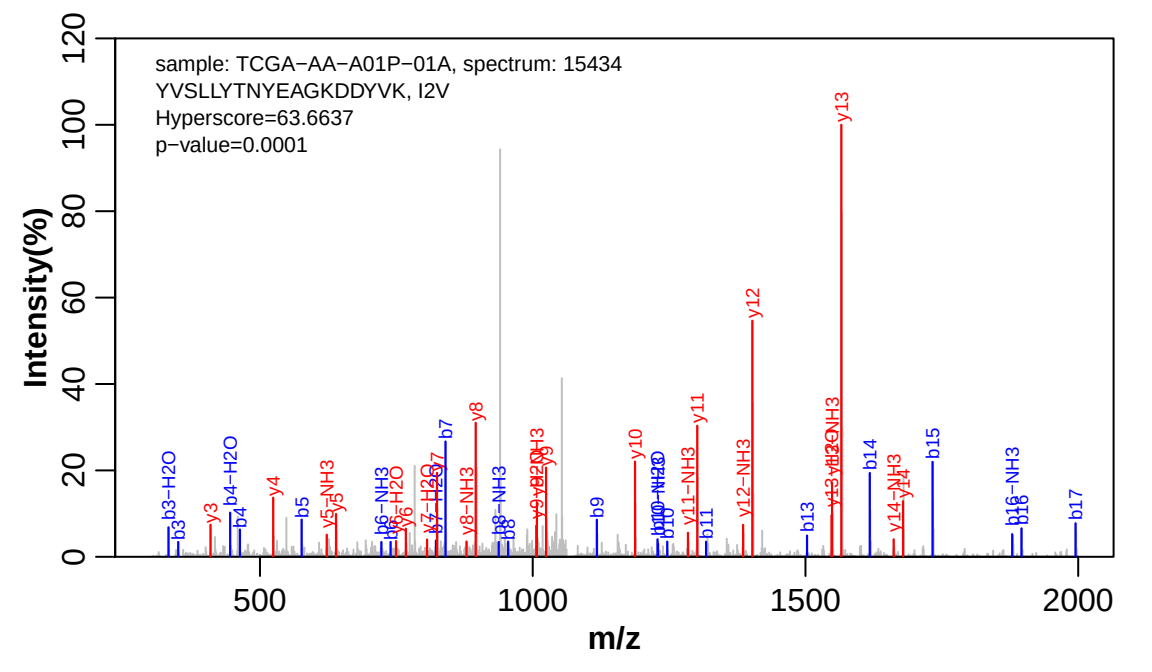

sample: TCGA−AA−A01P−01A, spectrum: 29292
VQLPTESLQELLDLHR, T7S
Hyperscore=40.3954
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
y3
y4
y5
b6
y6
b8
y7
y8
b10
y9
y10
b11
b12
y12
b13
y13
b14
y14
b15

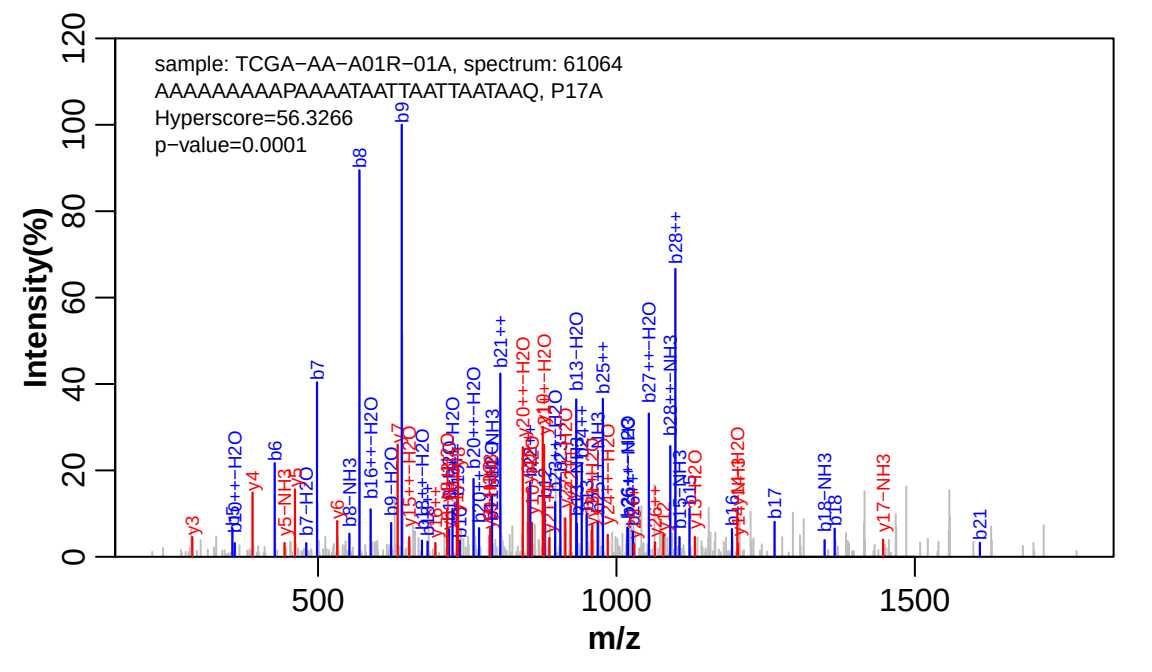

sample: TCGA−AA−A01P−01A, spectrum: 85473
VSEVLLSR, G8R
Hyperscore=37.3077
p−value=0.0025
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b2−H2O
y1
b2
y2
b3−H2O
b3
y3
b4
b4−H2O
y4
b5
b5−H2O
y5
b6
b6−H2O
b7−H2O
b7
y6
y7

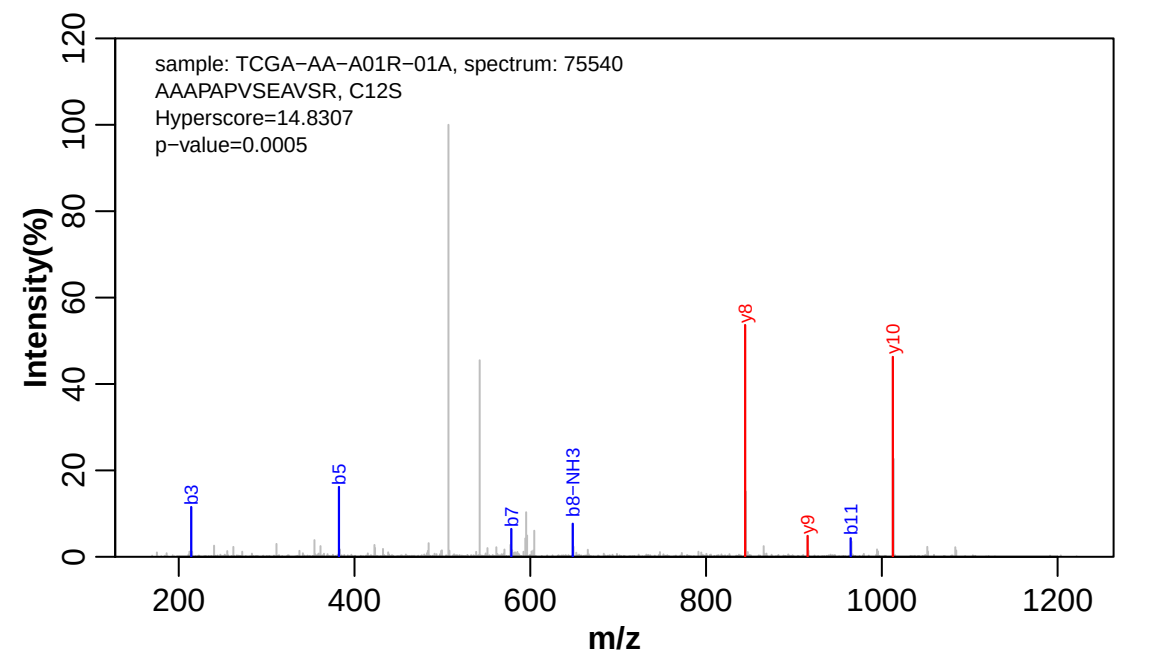

sample: TCGA−AA−A01P−01A, spectrum: 51234
VVLQPEALFSLYSK, F8L
Hyperscore=16.9100
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b4
y5
y6
b8
y9
y10
y11
y12

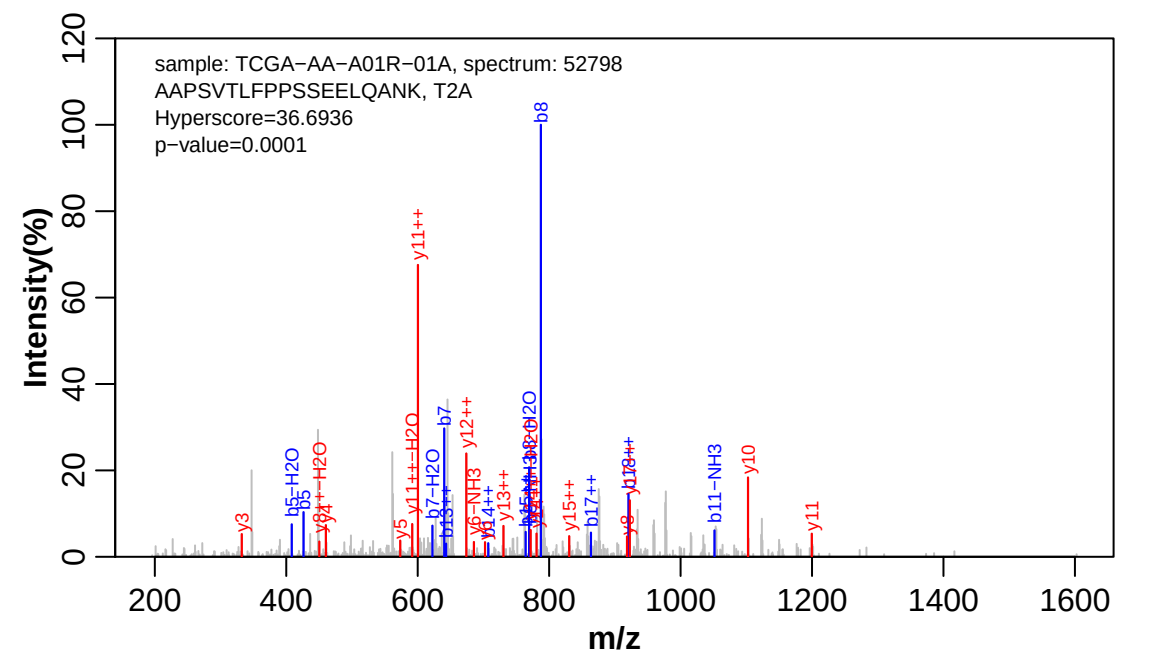

sample: TCGA−AA−A01P−01A, spectrum: 133226
VWQTVSPVESR, G10S
Hyperscore=26.0809
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
b4−H2O
b4
y5−NH3
y5
b5−NH3
b5−H2O
b5
y6
b6−H2O
b6
y7
y8
y9−H2O
y9

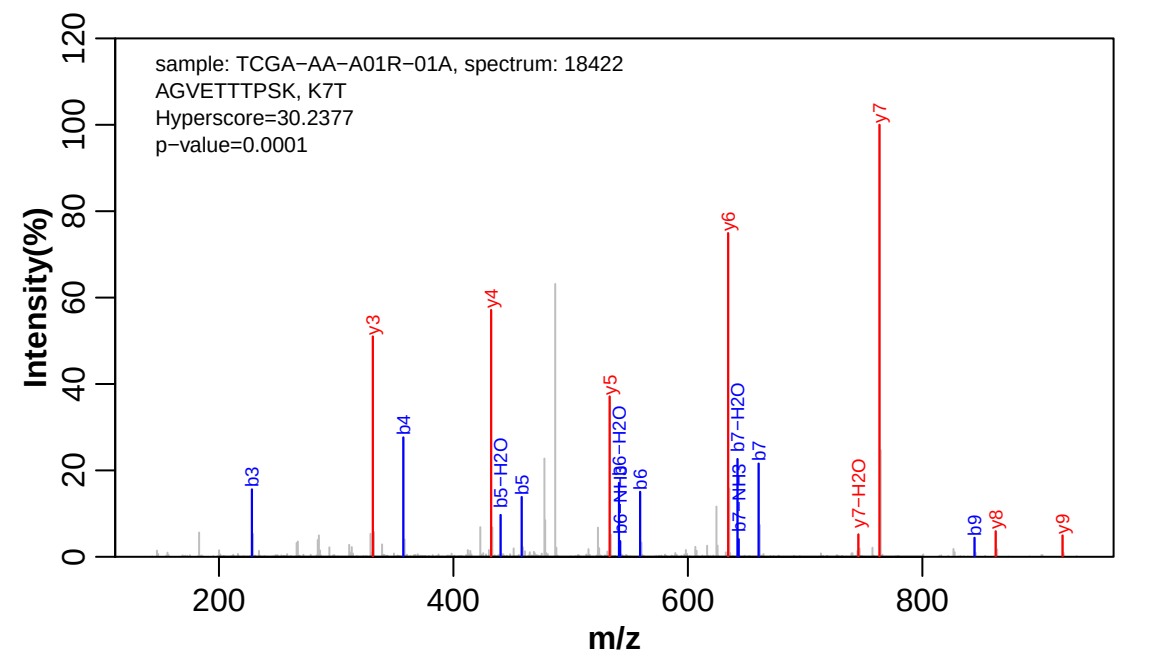

sample: TCGA−AA−A01P−01A, spectrum: 26392
YVSLLYTNYEAGK, I2V
Hyperscore=36.0006
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y8
y9
y11
y7
y6
y10
b6
b10
b11
b12
b9
b7
b8
b5
b4−H2O
b3−H2O
b4
b3
y3
b2

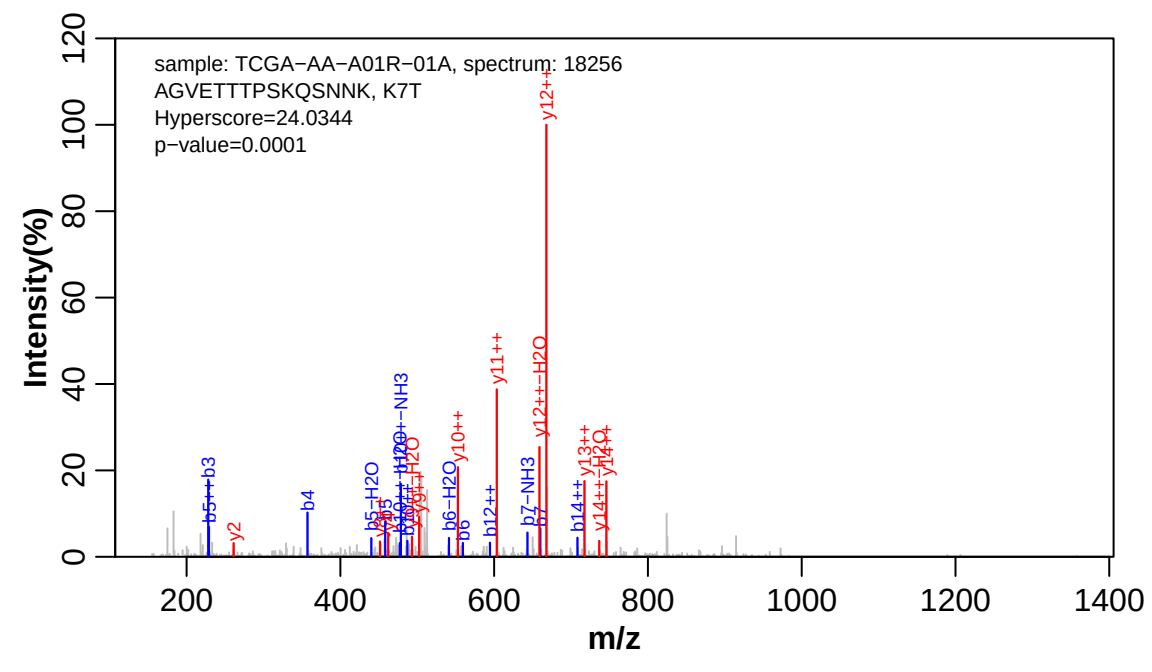

sample: TCGA−AA−A01P−01A, spectrum: 15434
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=63.6637
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b3
y3
b4−H2O
b4
y4
b5
y5−NH3
y5
b6−NH3
b6
y6−H2O
y6
b7−H2O
b7
y8
y8−NH3
b8−NH3
b8
y9
b9
y10
y11−NH3
y11
b11
y12−NH3
y12
b13
y13
b14
y14−NH3
y14
b15
b16−NH3
b16
b17

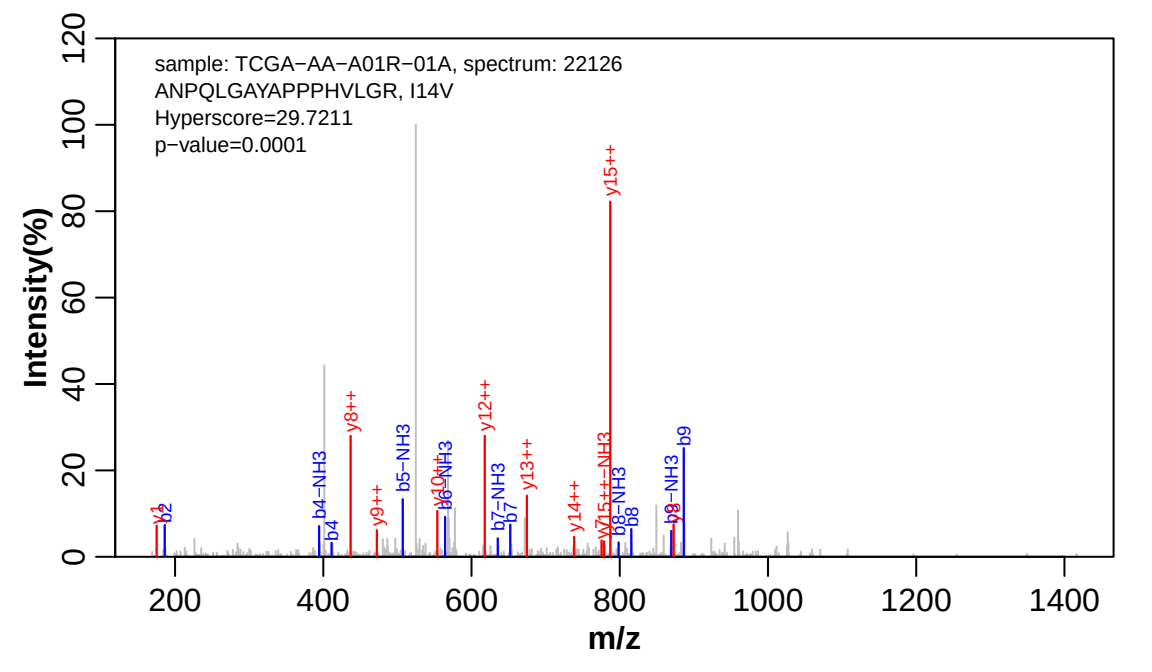

sample: TCGA−AA−A01R−01A, spectrum: 61064
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=56.3266
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9
b8
b7
b6
y4
y3
b28++
b27++−H2O
b25++
b21++
b13−H2O
b18−NH3
y17−NH3
b21

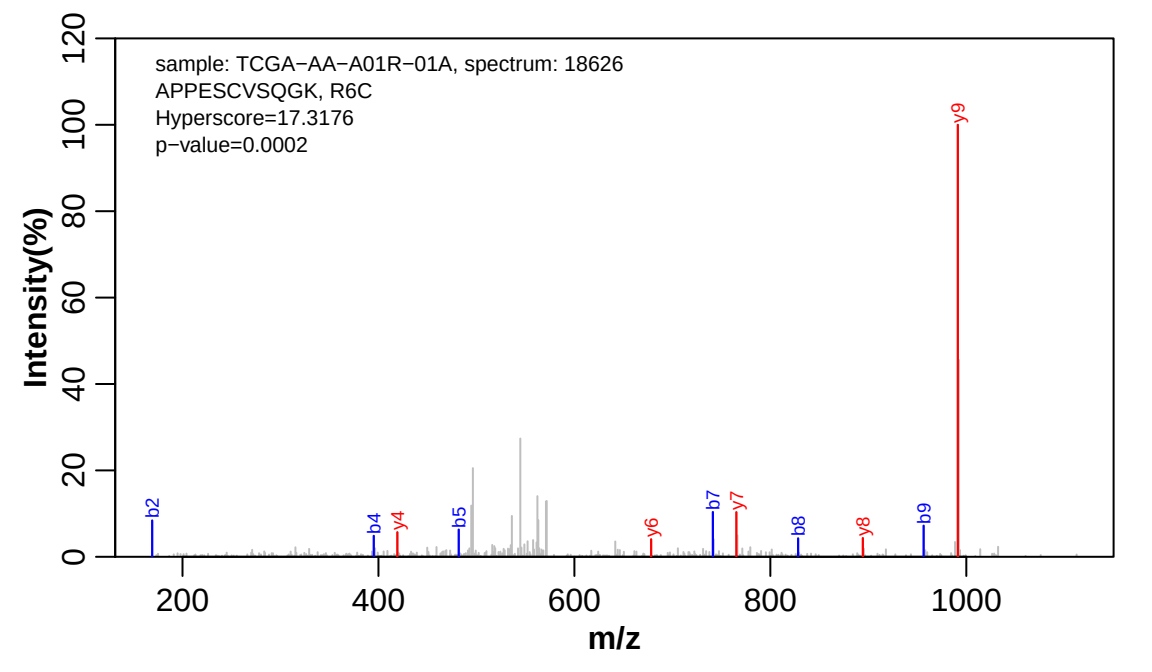

sample: TCGA−AA−A01R−01A, spectrum: 75540
AAAPAPVSEAVSR, C12S
Hyperscore=14.8307
p−value=0.0005
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
m/z
b3
b5
b7
b8−NH3
y8
y9
b11
y10

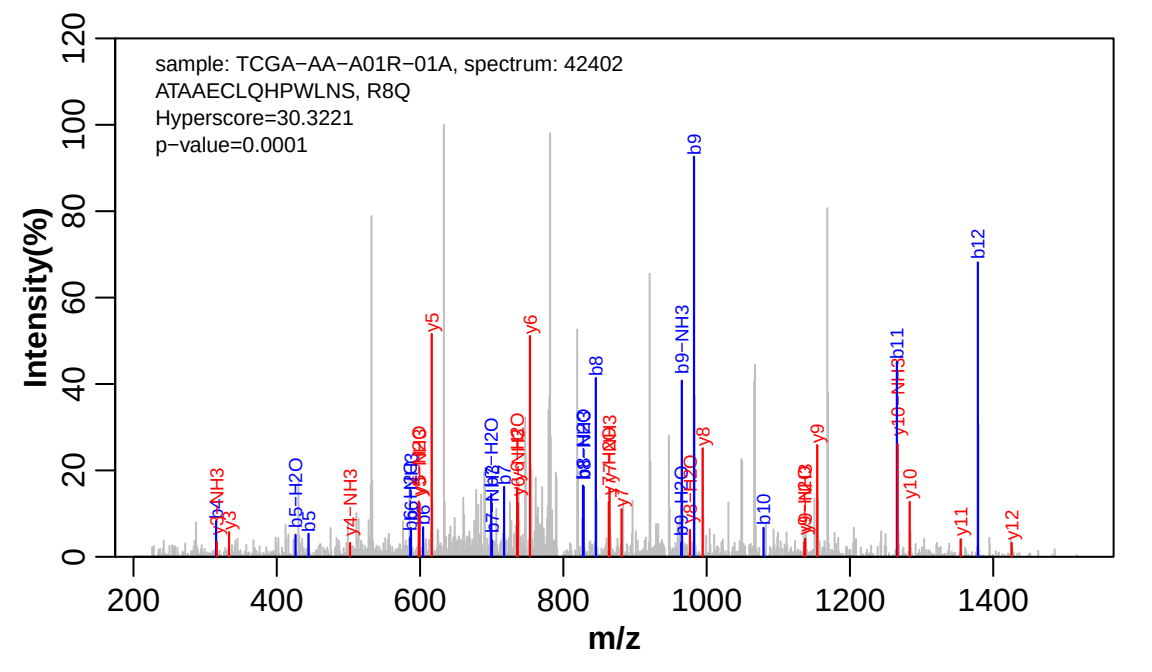

sample: TCGA−AA−A01R−01A, spectrum: 52798
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=36.6936
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b8
y11++
y11++−H2O
b7
y12++
b5−H2O
b5
y8++−H2O
y4
y3
y5
b7−H2O
b13++
y6−NH3
y14++
y13++
y15++
b17++
y8
y10++
b11−NH3
y10
y11

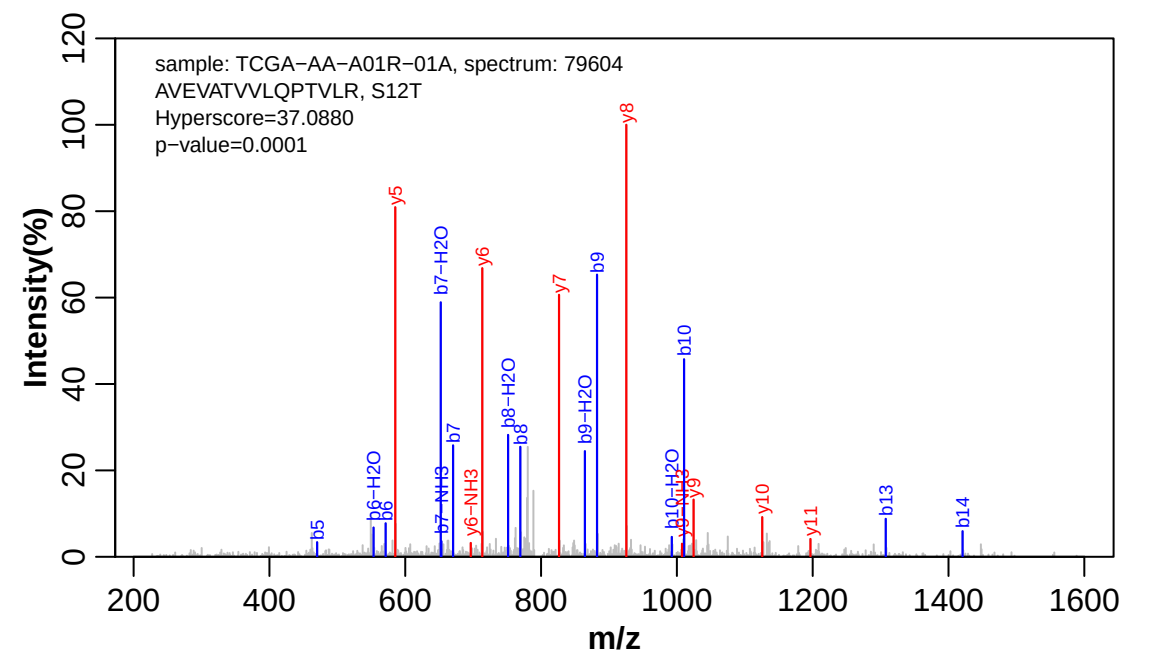

sample: TCGA−AA−A01R−01A, spectrum: 18422
AGVETTTPSK, K7T
Hyperscore=30.2377
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
b6−NH3
b6−H2O
y5
b6
y6
b7−NH3
b7−H2O
b7
y7−H2O
y7
b9
y8
y9

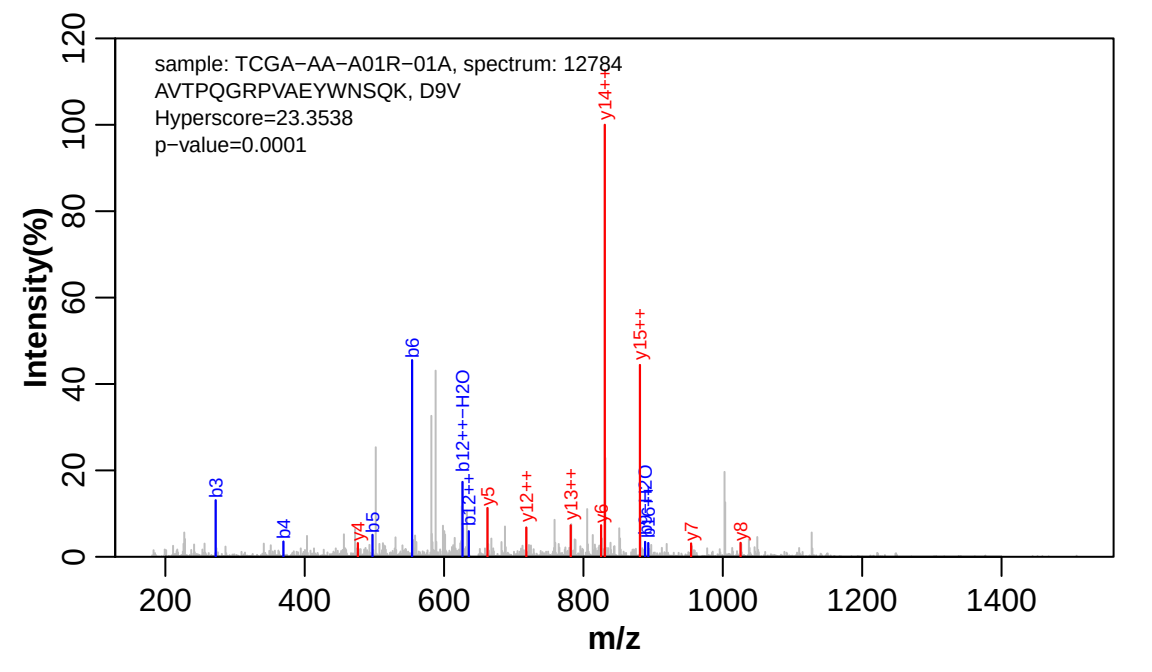

sample: TCGA−AA−A01R−01A, spectrum: 18256
AGVETTTPSKQSNNK, K7T
Hyperscore=24.0344
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y12++
y11++
y12++−H2O
y12++−NH3
y10++
b5++b3
y2
b4
b5−H2O
b6−H2O
b6
b12++
b7−NH3
b7
y13++
y14++
y14++−H2O
b14++

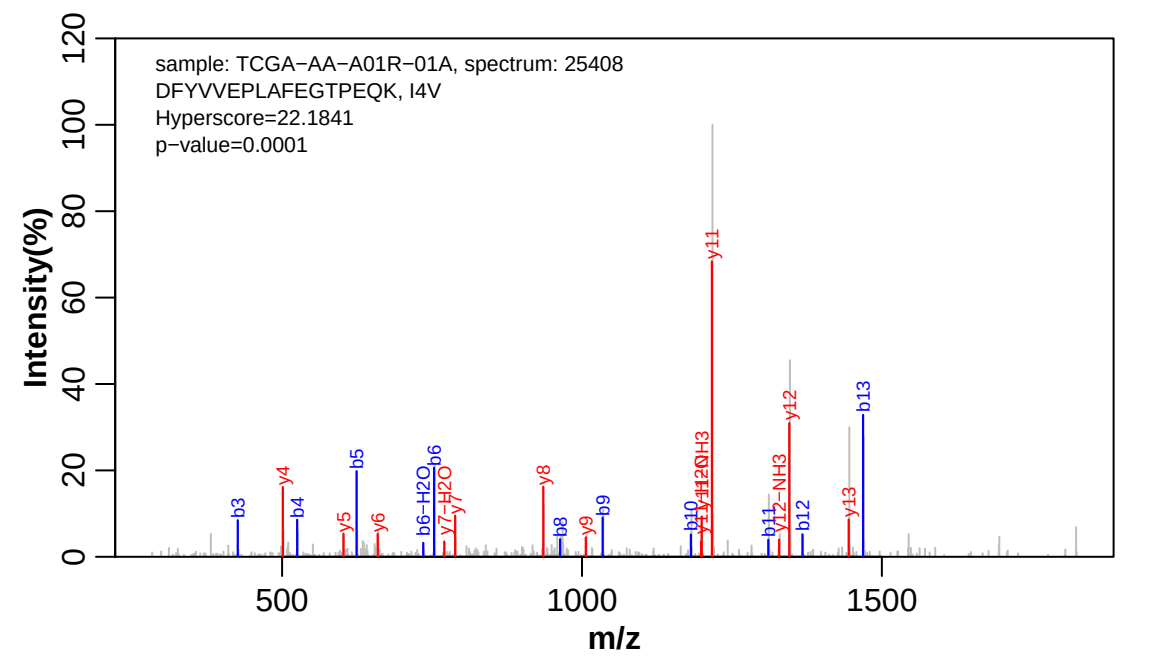

sample: TCGA−AA−A01R−01A, spectrum: 22126
ANPQLGAYAPPPHVLGR, I14V
Hyperscore=29.7211
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y15++
y8++
y12++
b5−NH3
b4−NH3
y9++
y13++
b7−NH3
b9
b9−NH3
y14++
y715++−NH3
b8−NH3
b8
b7
b6−NH3
b6
b4
y1
b2

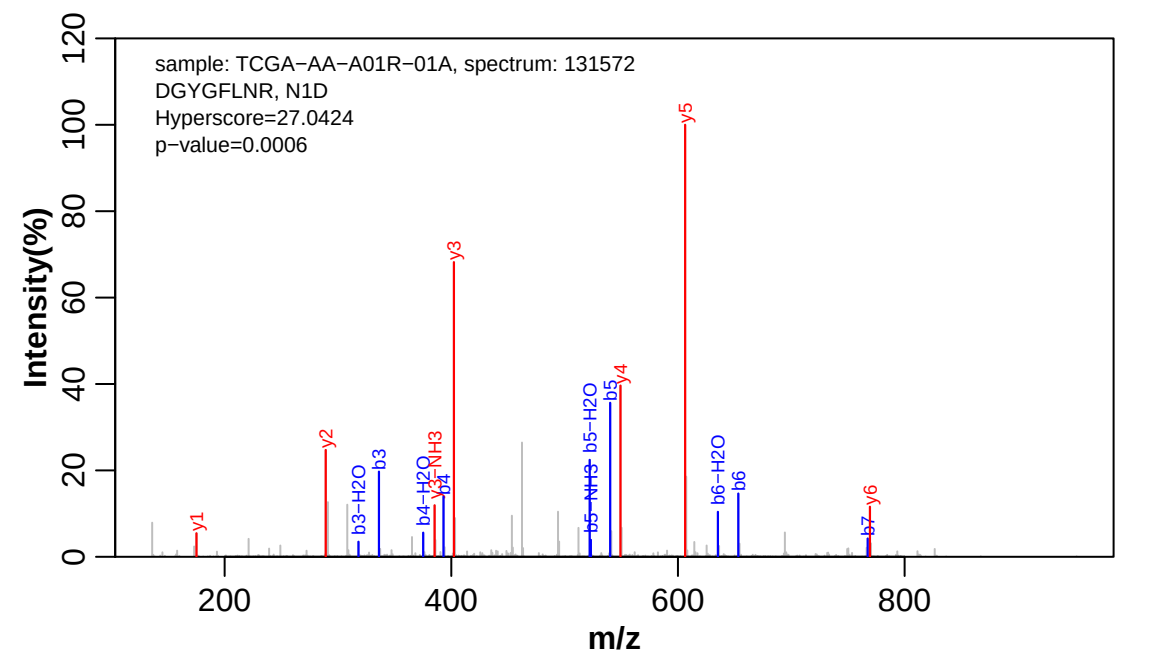

sample: TCGA−AA−A01R−01A, spectrum: 18626
APPESCVSQGK, R6C
Hyperscore=17.3176
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b4
y4
b5
y6
b7
y7
b8
y8
b9
y9

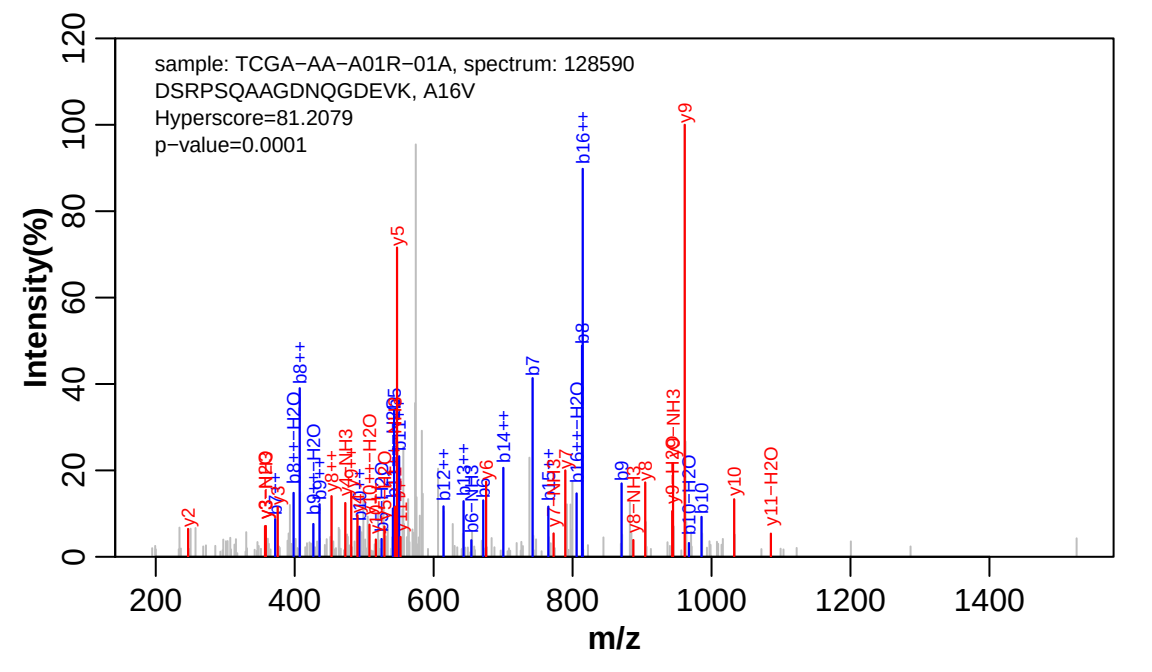

sample: TCGA−AA−A01R−01A, spectrum: 42402
ATAAECLQHPWLNS, R8Q
Hyperscore=30.3221
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b9
b12
y5
y6
b8
b9−NH3
b11
y8
y9
y10
y11
y12
b10
b5−H2O
y4−NH3
b7−NH3
b7−H2O
y7
y3
b5

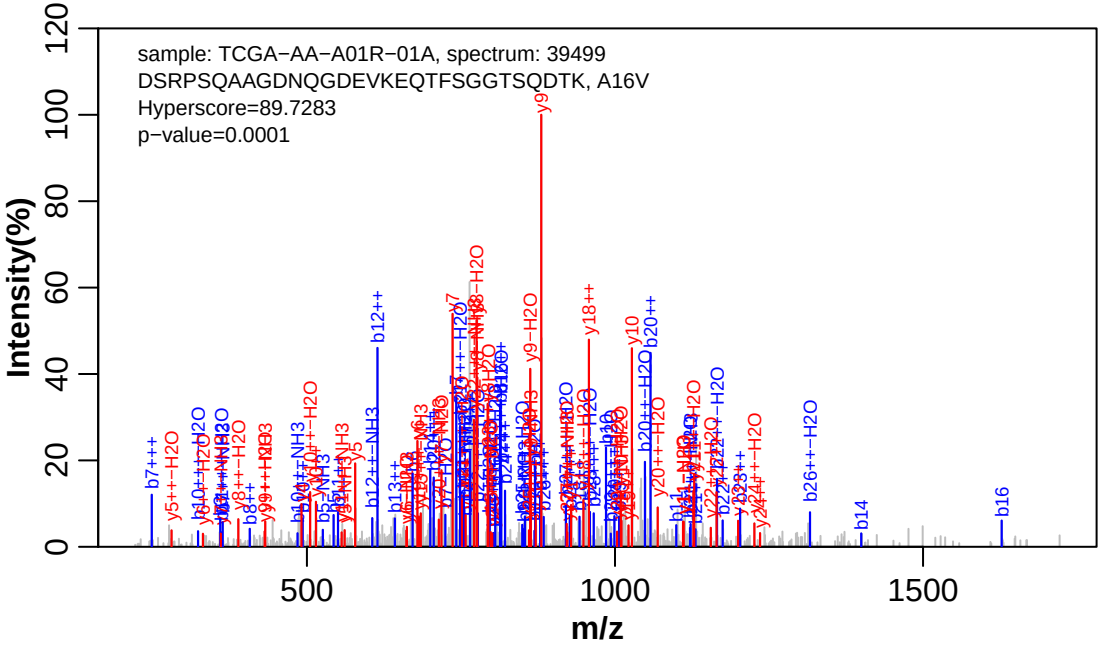

sample: TCGA−AA−A01R−01A, spectrum: 79604
AVEVATVVLQPTVLR, S12T
Hyperscore=37.0880
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b5
b6−H2O
b6
b7−NH3
b7
b7−H2O
y6−NH3
y5
y6
y7
b8−H2O
b8
b9−H2O
b9
y8
b10−H2O
b10−NH3
y9
b10
y10
y11
b13
b14

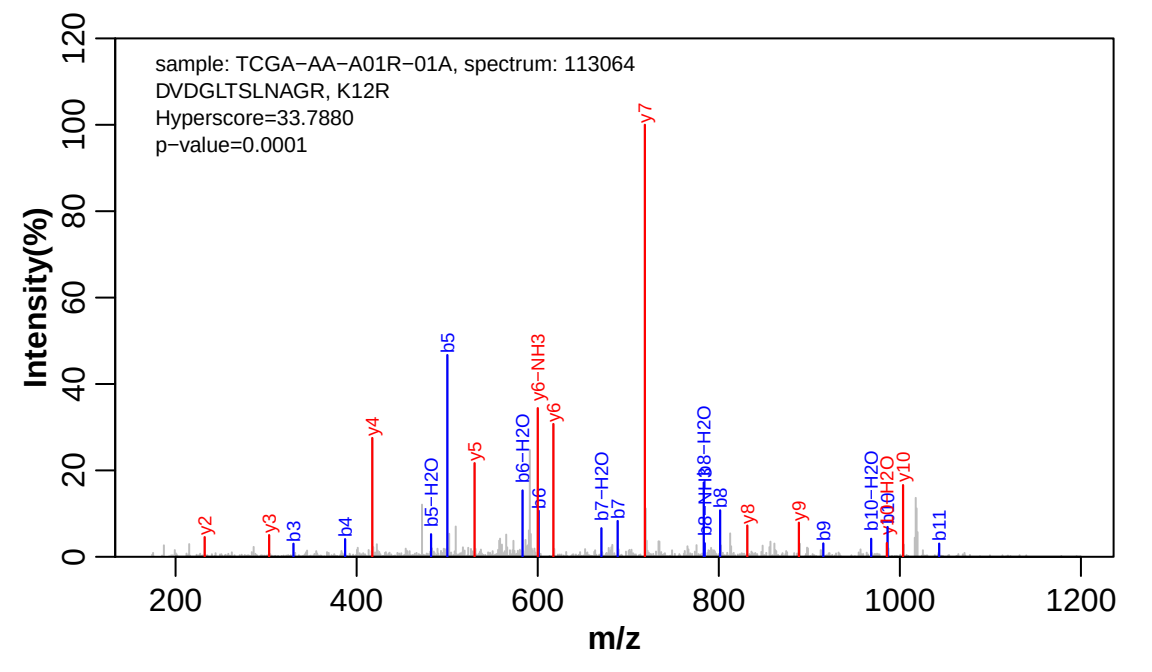

sample: TCGA−AA−A01R−01A, spectrum: 12784
AVTPQGRPVAEYWNSQK, D9V
Hyperscore=23.3538
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
b4
y4
b5
b6
b12++
b12++−H2O
y5
y12++
y13++
y6
y14++
y15++
y7
y8

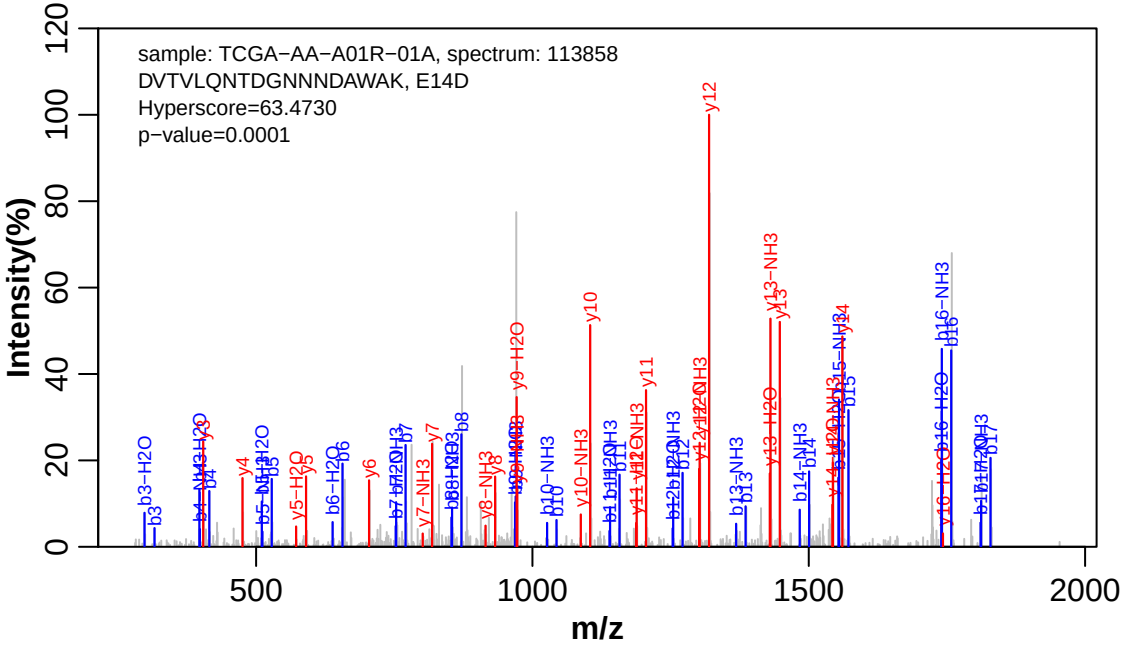

sample: TCGA−AA−A01R−01A, spectrum: 25408
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=22.1841
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
y4
b4
y5
b5
y6
b6−H2O
b6
y7−H2O
y7
y8
b8
y9
b9
b10
y11
y11−NH3
b11
y12−NH3
y12
b12
y13
b13

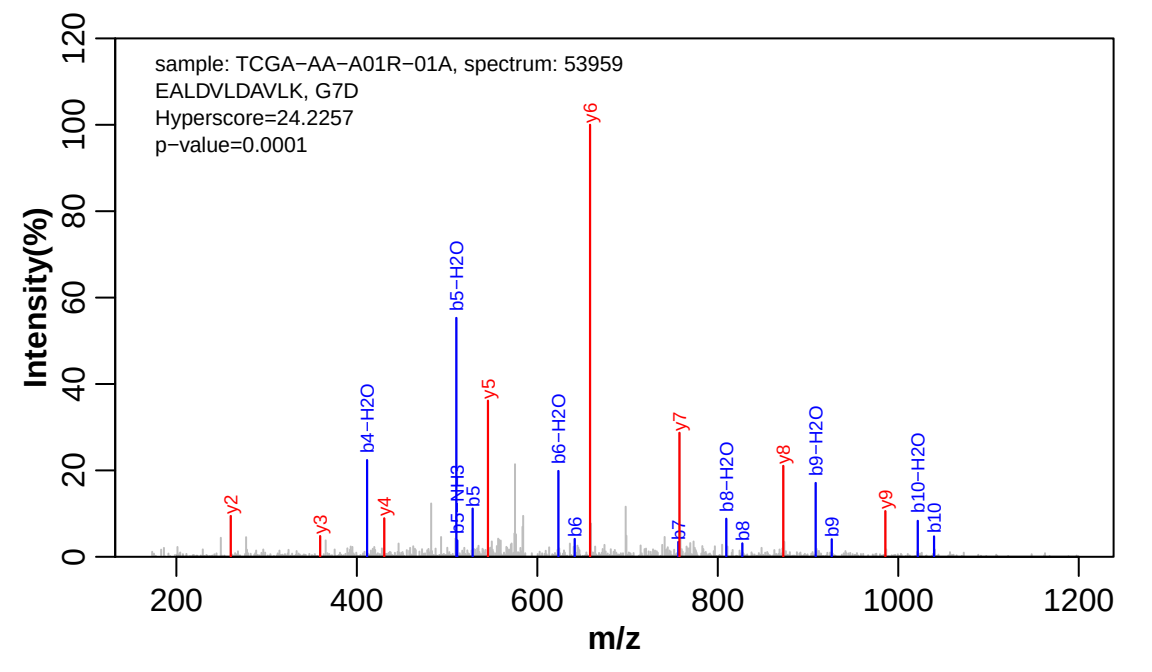

sample: TCGA−AA−A01R−01A, spectrum: 131572
DGYGFLNR, N1D
Hyperscore=27.0424
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
b4−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

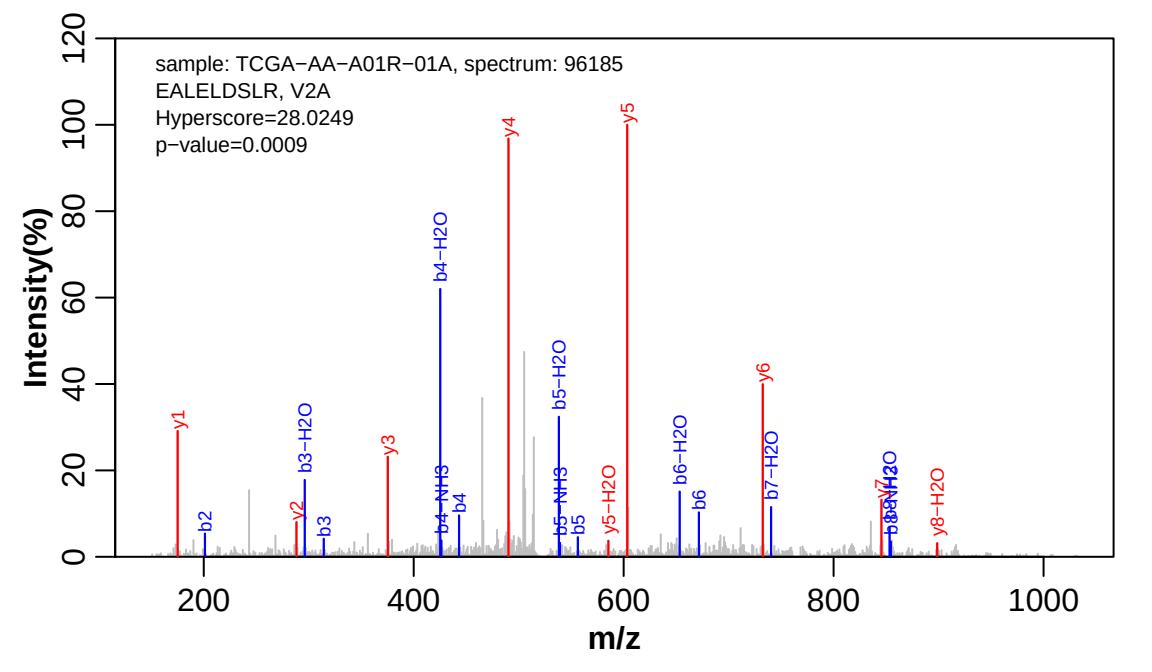

sample: TCGA−AA−A01R−01A, spectrum: 128590
DSRPSQAAGDNQGDEVK, A16V
Hyperscore=81.2079
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y9
b16++
y5
b8++
b8
b7
b8++−H2O
b14++
y2
b12++
y7
b9
y8
y10
y11−H2O
b10
b10−H2O

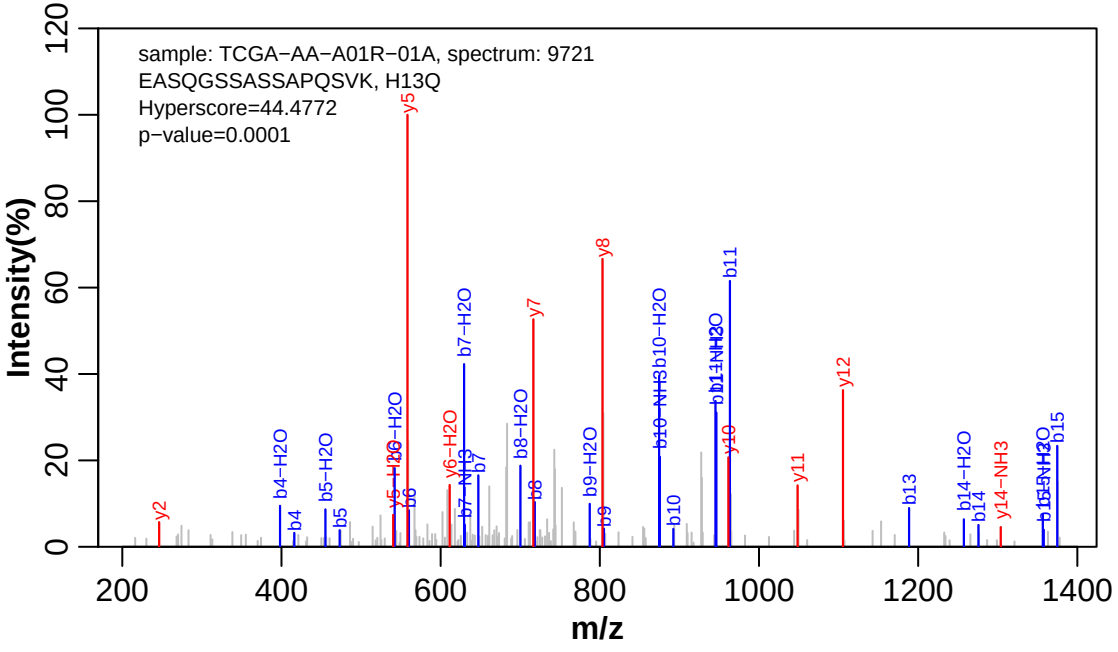

sample: TCGA−AA−A01R−01A, spectrum: 39499
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=89.7283
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
b12++
b7+++
y5++−H2O
b26++−H2O
b14
b16
y18++
y10
b20++
y9−H2O

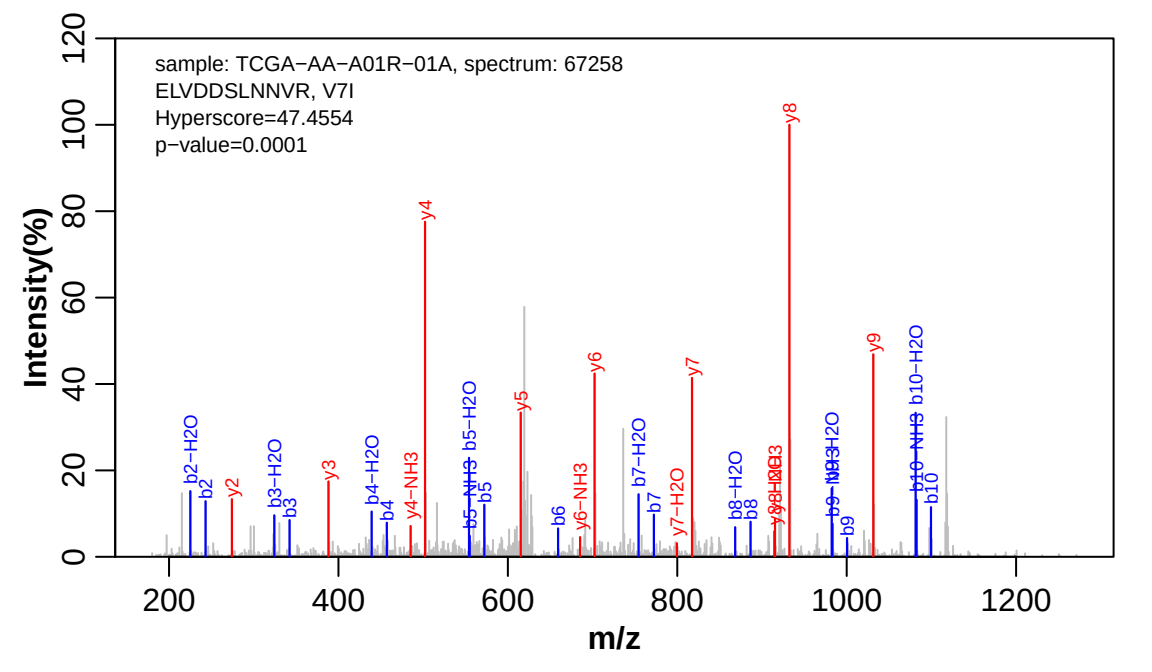

sample: TCGA−AA−A01R−01A, spectrum: 113064
DVDGLTSLNAGR, K12R
Hyperscore=33.7880
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y3
b3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6−NH3
y6
b7−H2O
b7
y7
b8−NH3
b8−H2O
b8
y8
y9
b9
b10−H2O
y10−H2O
y10
b11

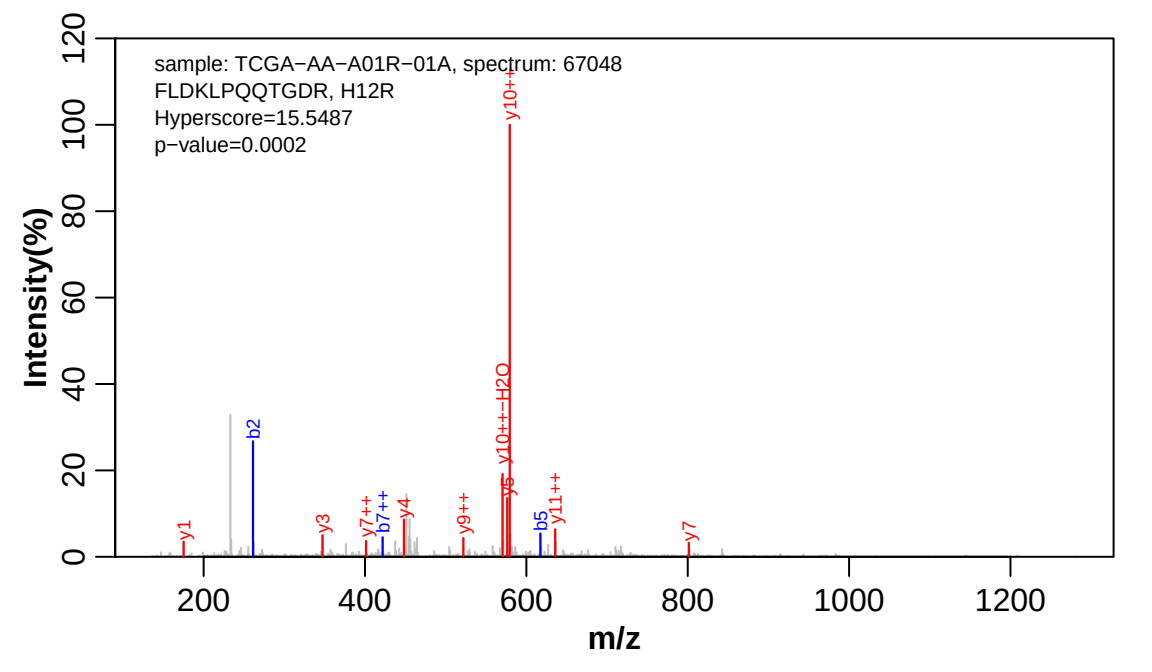

sample: TCGA−AA−A01R−01A, spectrum: 113858
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=63.4730
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
y10
y9−H2O
y13−NH3
y13
y13−H2O
b16−NH3
b16
y11
b3−H2O
b3
y4
y5
y5−H2O
b6−H2O
b6
y6
y7−NH3
y7
y8−NH3
y8
b10−NH3
b10
y10−NH3
b14−NH3
b14
b13−NH3
b13
b17
b17−NH3

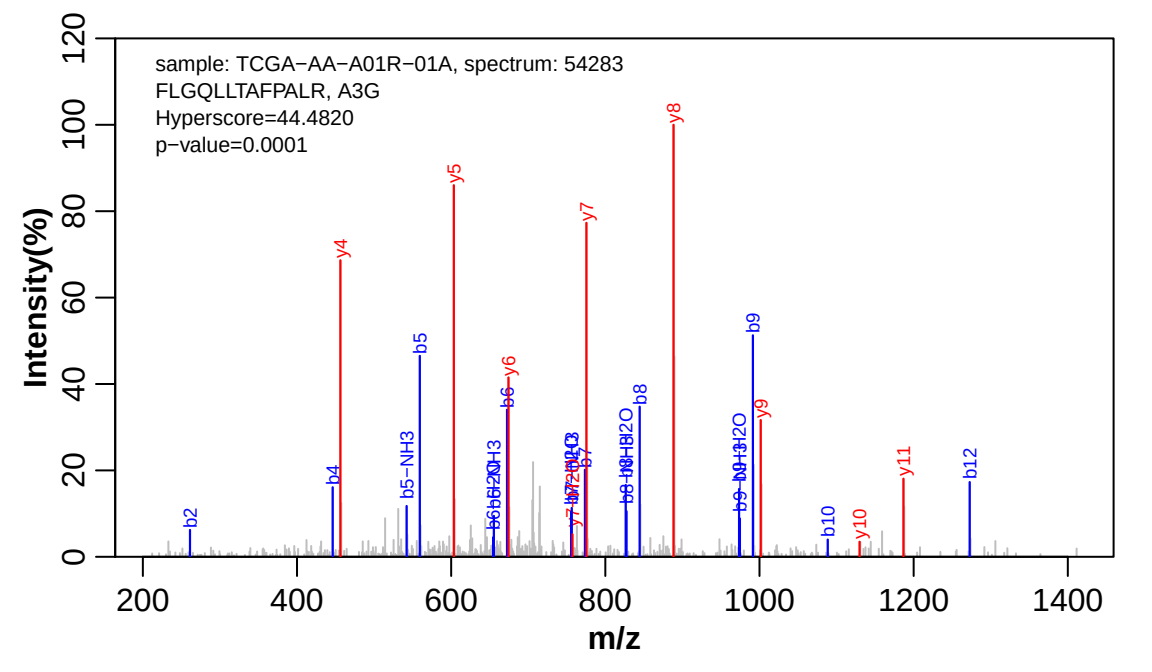

sample: TCGA−AA−A01R−01A, spectrum: 53959
EALDVLDAVLK, G7D
Hyperscore=24.2257
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y3
b4−H2O
y4
b5−NH3
b5
b5−H2O
y5
y6
b6−H2O
b6
b7
y7
b8−H2O
b8
y8
b9−H2O
b9
y9
b10−H2O
b10

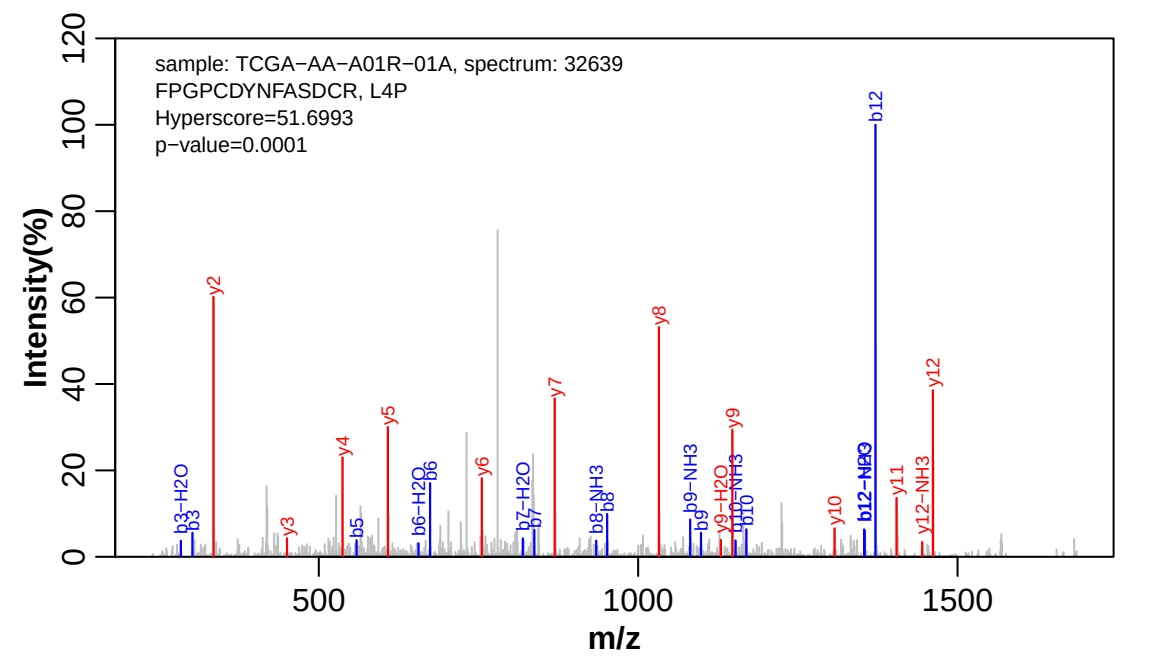

sample: TCGA−AA−A01R−01A, spectrum: 96185
EALELDSLR, V2A
Hyperscore=28.0249
p−value=0.0009
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3−H2O
b3
y3
b4−H2O
b4−NH3
b4
y4
b5−H2O
b5−NH3
b5
y5−H2O
y5
b6−H2O
b6
y6
b7−H2O
y7
b8−NH3
b8−H2O
y8−H2O

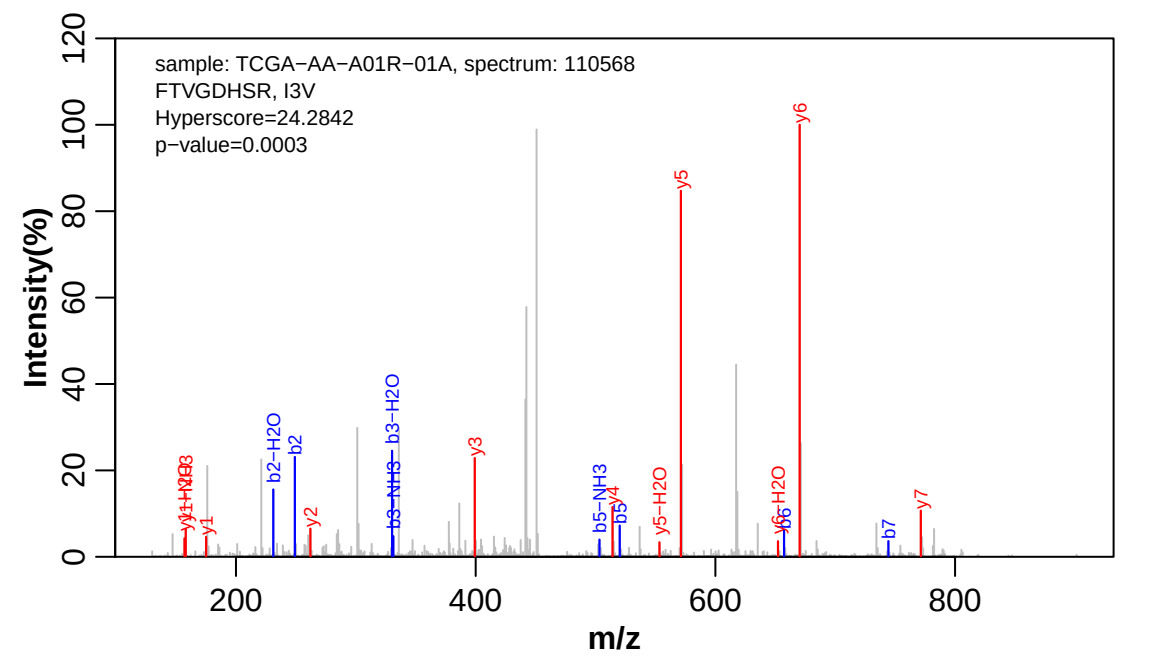

sample: TCGA−AA−A01R−01A, spectrum: 9721
EASQGSSASSAPQSVK, H13Q
Hyperscore=44.4772
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−H2O
b4
b5−H2O
b5
y5−H2O
y5
b6
y6−H2O
b7−H2O
b7−NH3
b7
b8−H2O
b8
y7
b9−H2O
b9
y8
b10−NH3
b10−H2O
b10
b11−NH3
b11−H2O
b11
y10
y11
y12
b13
b14−H2O
b14
y14−NH3
b15−NH3
b15−H2O
b15

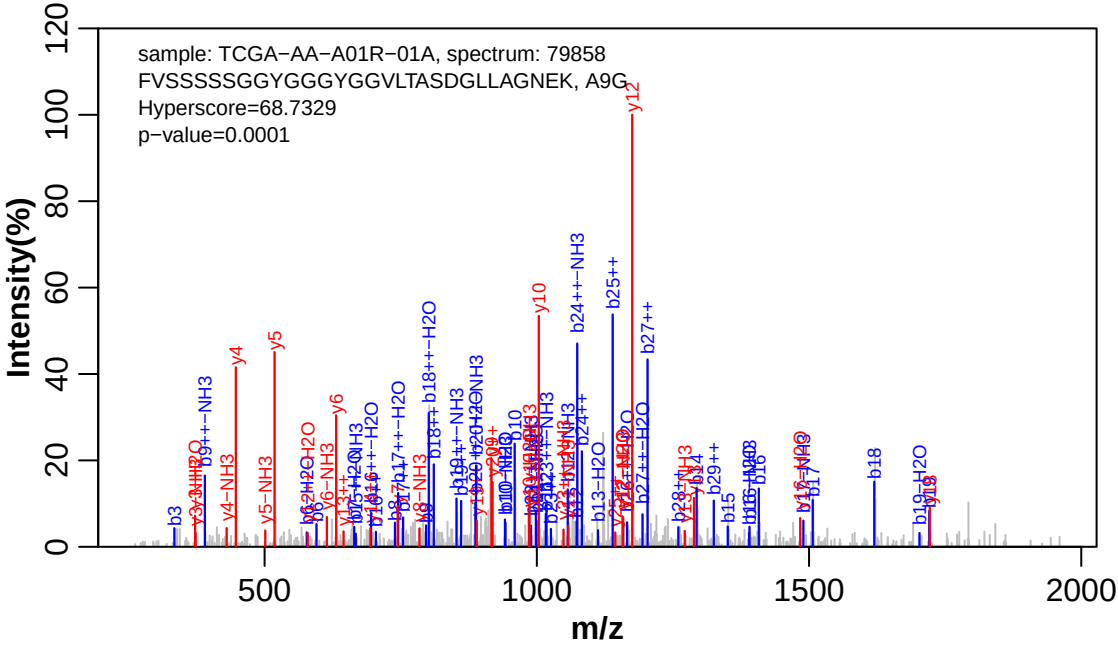

sample: TCGA−AA−A01R−01A, spectrum: 67258
ELVDDSLNNVR, V7I
Hyperscore=47.4554
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
b5−NH3
b5−H2O
b5
y5
b6
y6−NH3
y6
b7−H2O
b7
y7−H2O
y7
b8−H2O
b8
y8−H2O
y8
b9−H2O
b9
y9
b10−NH3
b10−H2O
b10

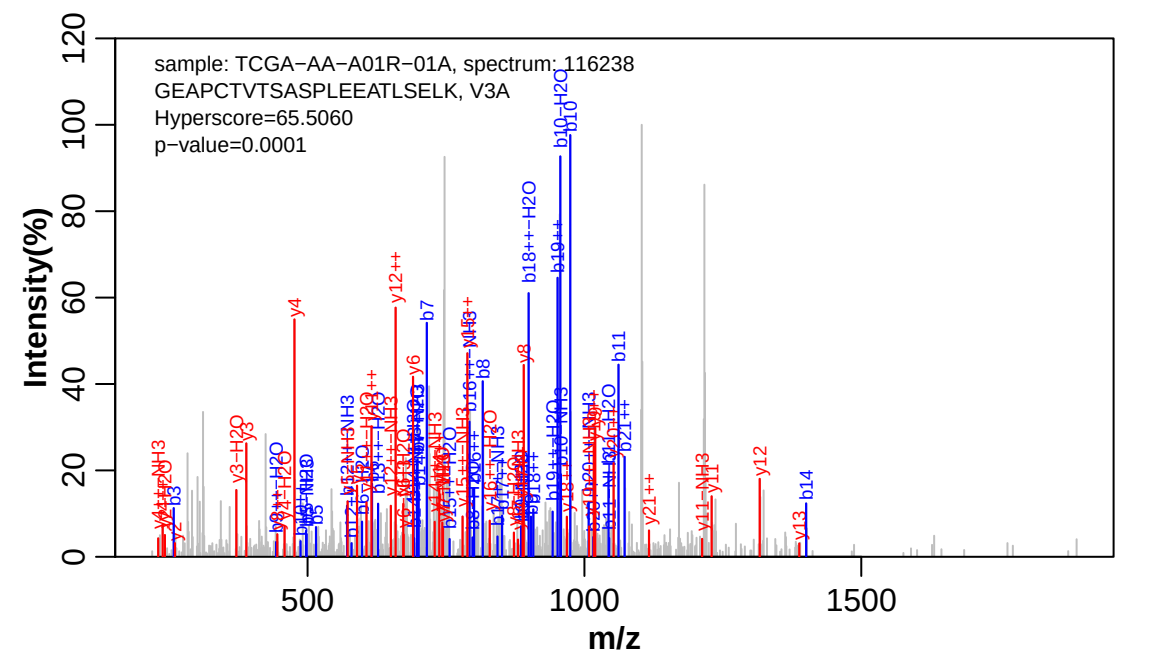

sample: TCGA−AA−A01R−01A, spectrum: 67048
FLDKLPQQTGDR, H12R
Hyperscore=15.5487
p−value=0.0002
Intensity(%)
m/z
y10++
y10++−H2O
b2
y1
y3
y7++
b7++
y4
y9++
y5
b5
y11++
y7
0
20
40
60
80
100
120
200
400
600
800
1000
1200

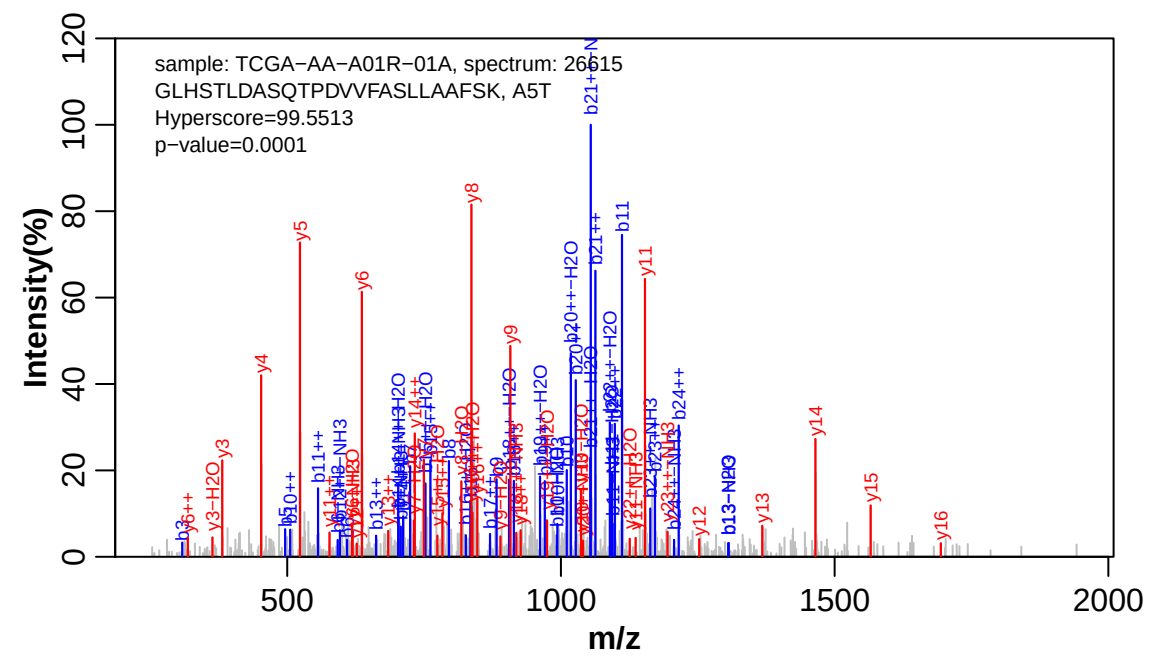

sample: TCGA−AA−A01R−01A, spectrum: 54283
FLGQLLTAFPALR, A3G
Hyperscore=44.4820
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b4
b5
b5−NH3
y4
y5
b6
y6
y7
b8
y8
b9
y9
b10
y10
y11
b12

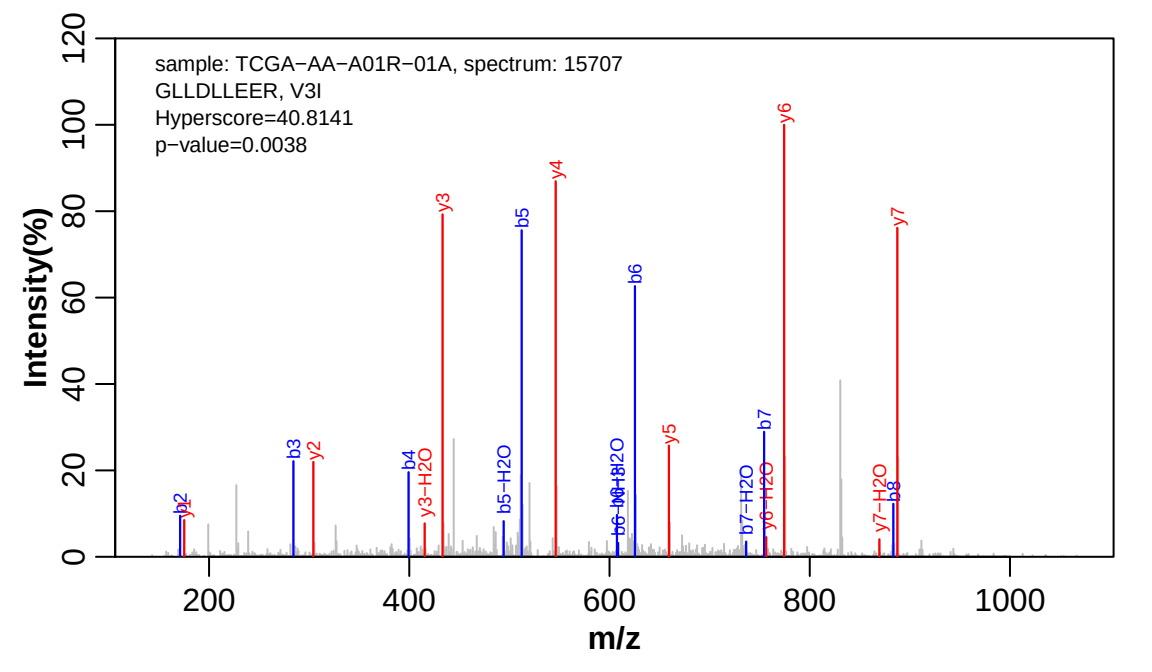

sample: TCGA−AA−A01R−01A, spectrum: 32639
FPGPCDYNFASDCR, L4P
Hyperscore=51.6993
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b12
y2
y8
y12
y7
y5
y4
y6
y9
y11
y10
y3
b3−H2O
b3
b5
b6−H2O
b6
b7−H2O
b7
b8−NH3
b8
b9−NH3
b9
y9−H2O
y10−NH3
b10
b12−NH3
y12−NH3

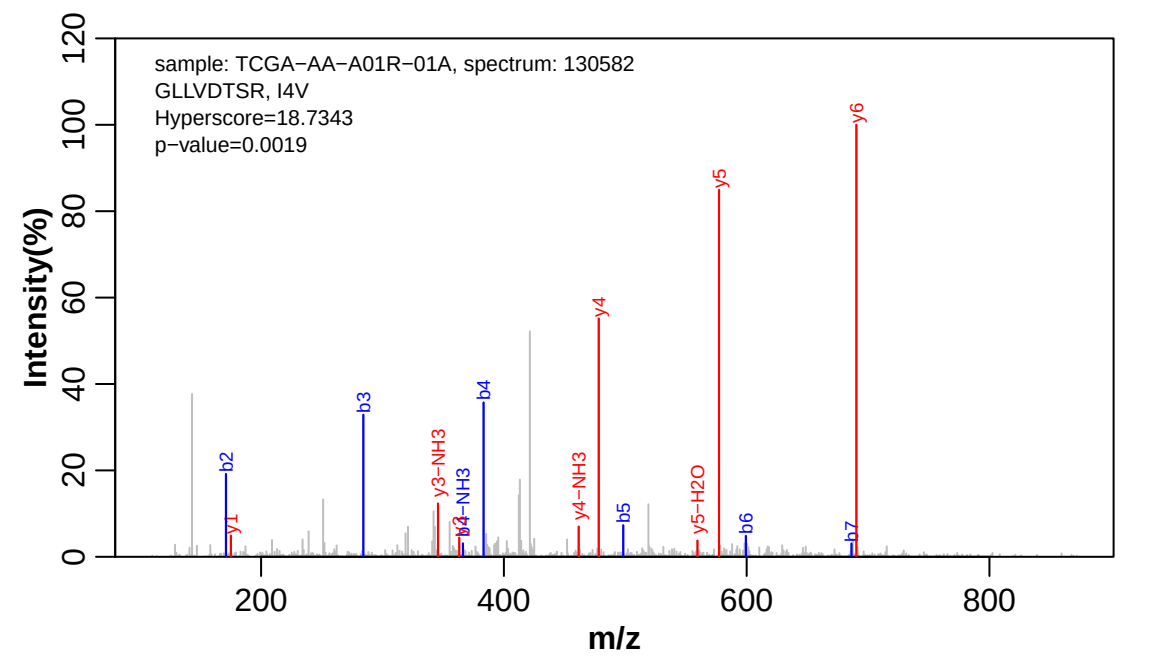

sample: TCGA−AA−A01R−01A, spectrum: 110568
FTVGDHSR, I3V
Hyperscore=24.2842
p−value=0.0003
Intensity(%)
m/z
y6
y5
y3
b2−H2O
b2
b3−H2O
b3−NH3
y2
y1
b5−NH3
y4
b5
y5−H2O
y6−H2O
b6
b7
y7

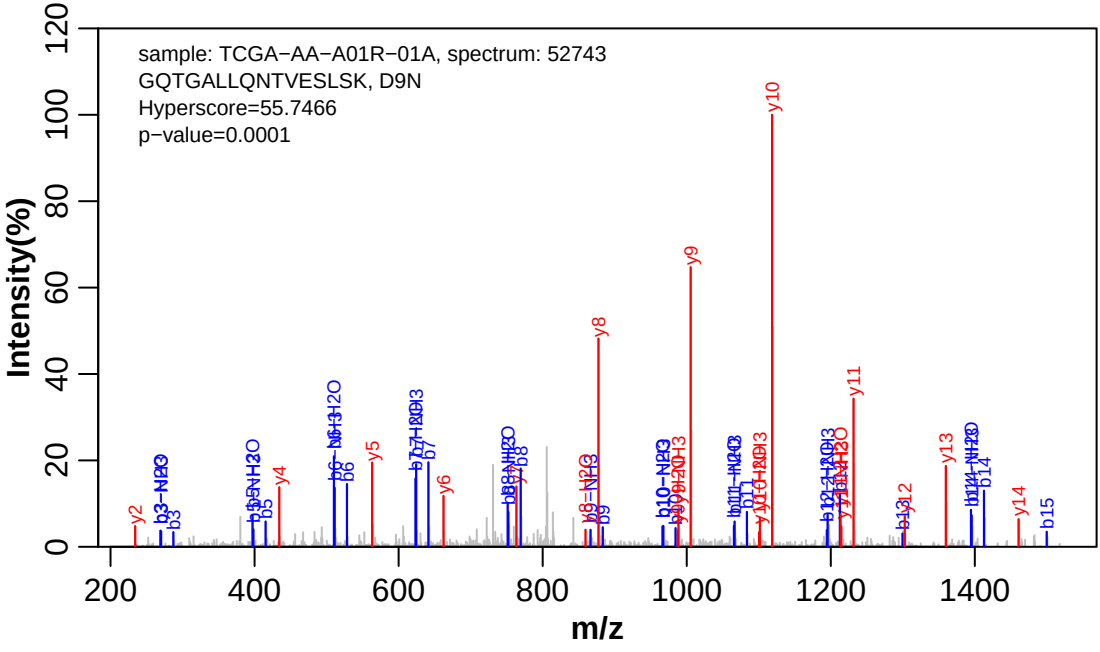

sample: TCGA−AA−A01R−01A, spectrum: 79858
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=68.7329
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
y10
y5
y4
y6
b24++−NH3
b25++
b27++
b18
b18−H2O
b3
y4−NH3
y5−NH3
b13−H2O
b29++
b15
b17
y16
y13
y14

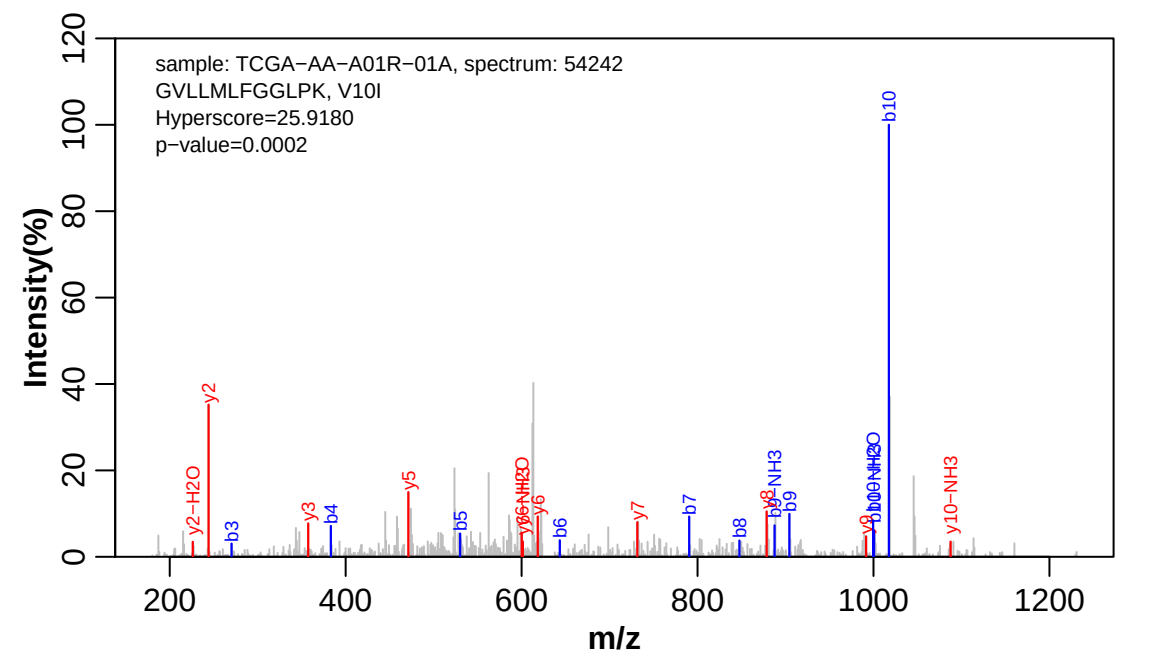

sample: TCGA−AA−A01R−01A, spectrum: 116238
GEAPCTVTSASPLEEATLSELK, V3A
Hyperscore=65.5060
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y3
y3−H2O
y2
b3
b5
b7
b8
y6
y8
y12++
b18++−H2O
b19++
b10−H2O
b10
b11
y21++
y12
y11−NH3
b14
y13

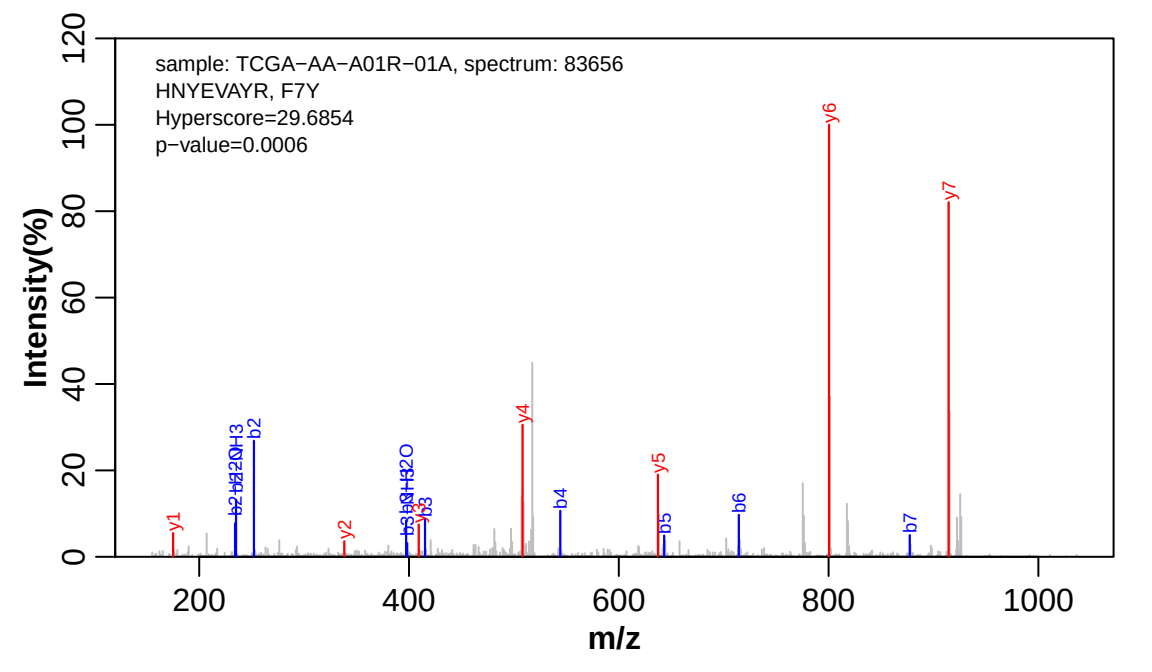

sample: TCGA−AA−A01R−01A, spectrum: 26615
GLHSTLDASQTPDVVFASLLAAFSK, A5T
Hyperscore=99.5513
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
y8
y4
y6
y9
b11
b21++
y11
y14
y15
y13
y16
y12
b24++
b13−N2O3
y3
y3−H2O
b3++
y8++
b5
b10++
b11++
b13++
b20++−H2O
b21++−H2O
b21++
b20++
y14++
b24++−NH3

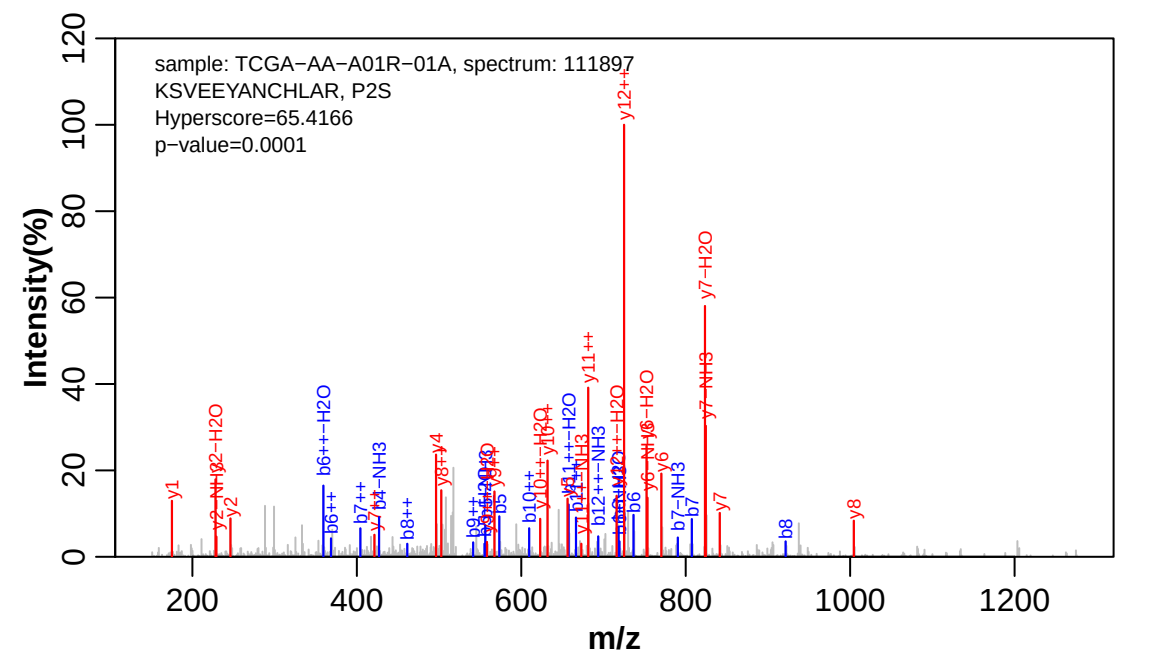

sample: TCGA−AA−A01R−01A, spectrum: 15707
GLLDLLEER, V3I
Hyperscore=40.8141
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
b3
y3
b4
y3−H2O
b5
b5−H2O
y4
b6
y5
b7
b7−H2O
y6
y6−H2O
y7
y7−H2O
b8

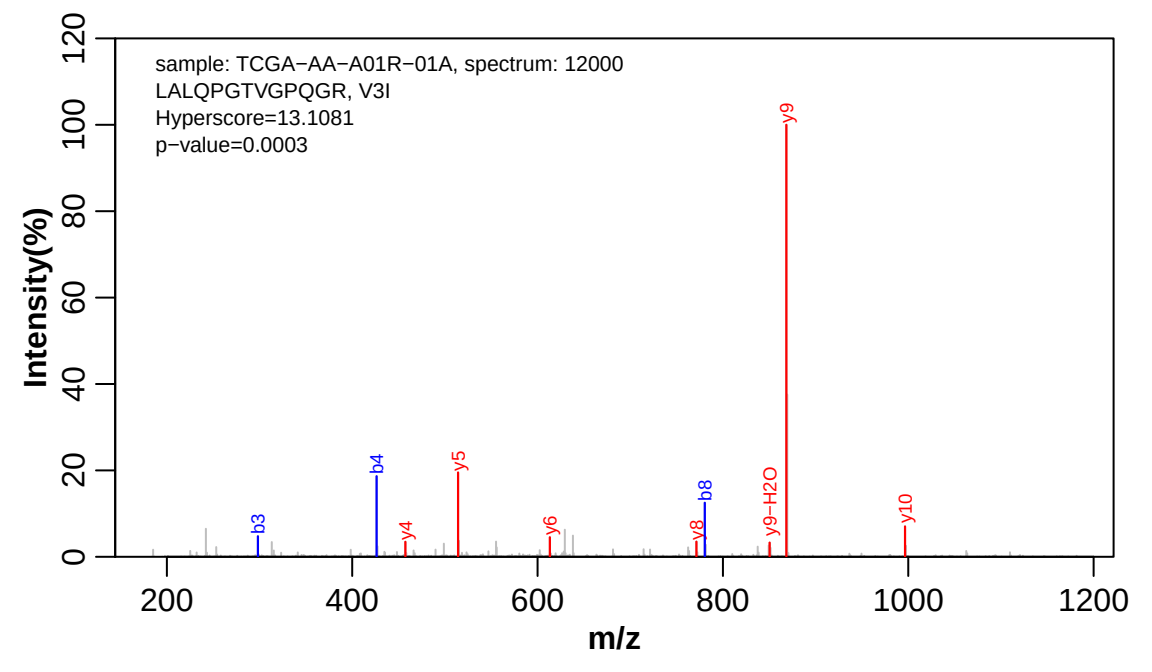

sample: TCGA−AA−A01R−01A, spectrum: 130582
GLLVDTSR, I4V
Hyperscore=18.7343
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3−NH3
b4
b4−NH3
y4
y4−NH3
b5
y5
y5−H2O
b6
y6
b7

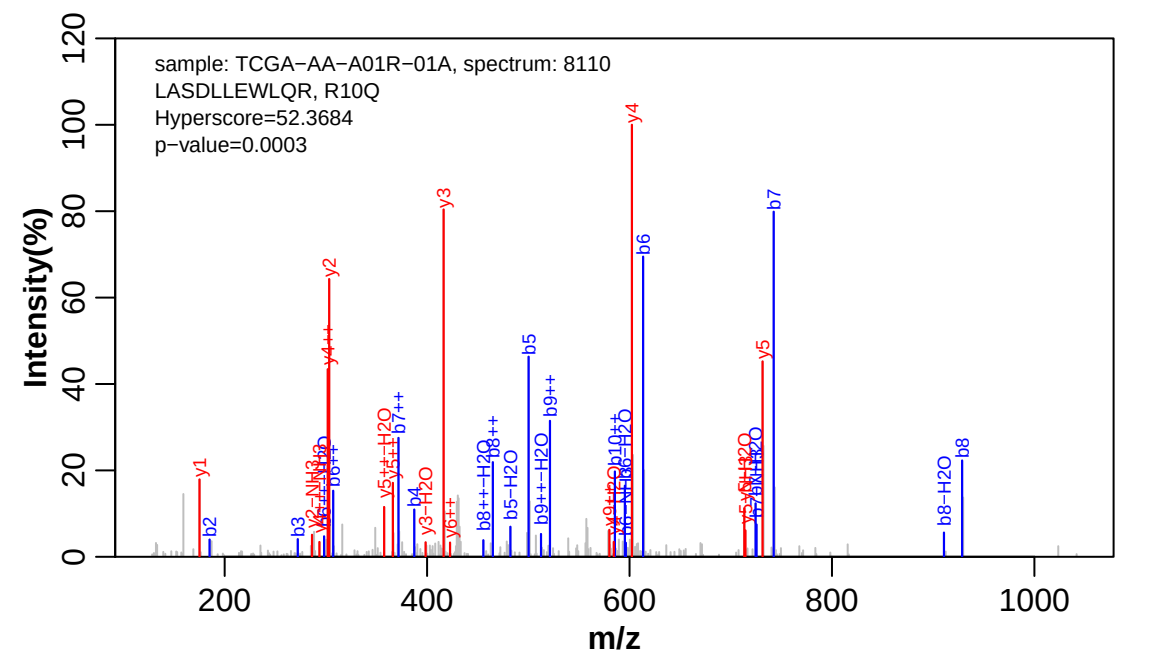

sample: TCGA−AA−A01R−01A, spectrum: 52743
GQTGALLQNTVESLSK, D9N
Hyperscore=55.7466
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y4
y5
y6
y8
y9
y10
y11
y13
y14
b15

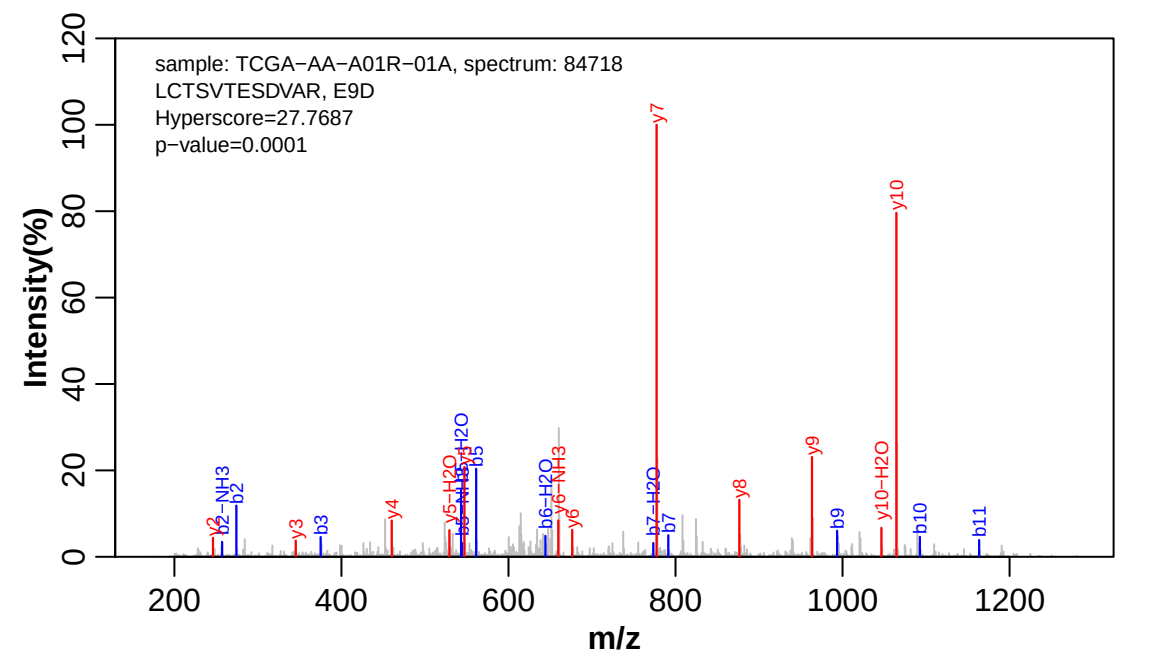

sample: TCGA−AA−A01R−01A, spectrum: 54242
GVLLMLFGGLPK, V10I
Hyperscore=25.9180
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y2−H2O
b3
y3
b4
y5
b5
y6
b6
y7
b7
b8
y8
y8−NH3
b9
b10
y10−NH3

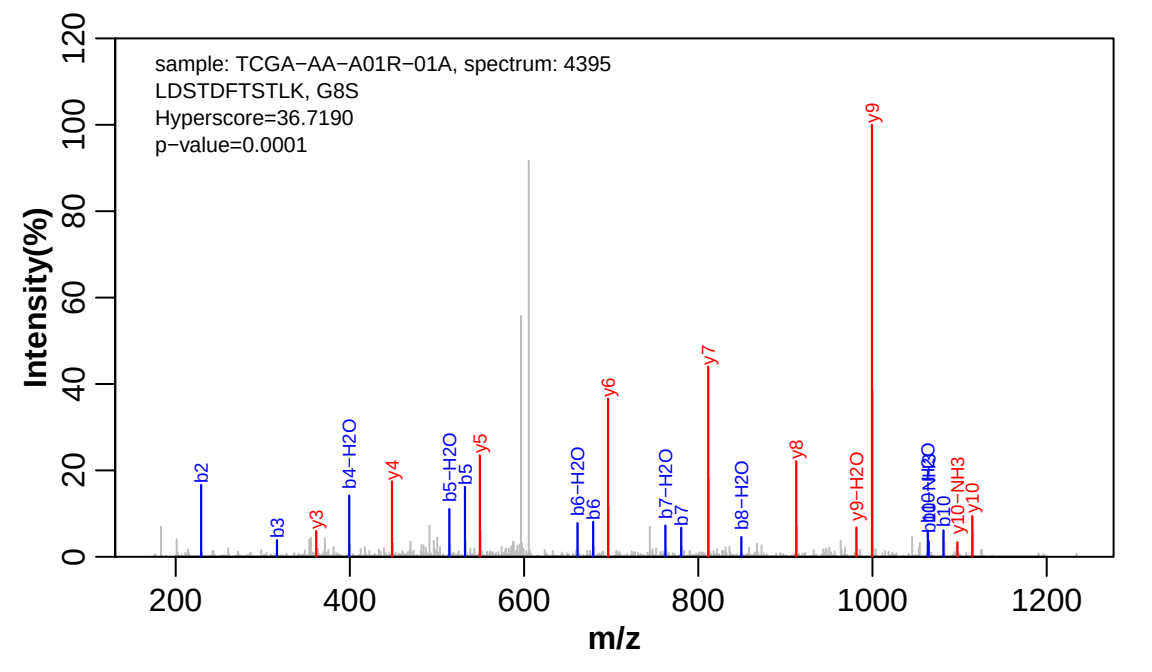

sample: TCGA−AA−A01R−01A, spectrum: 83656
HNYEVAYR, F7Y
Hyperscore=29.6854
p−value=0.0006
Intensity(%)
m/z
y1
y2
y4
y5
y6
y7
b2
b3
b4
b5
b6
b7

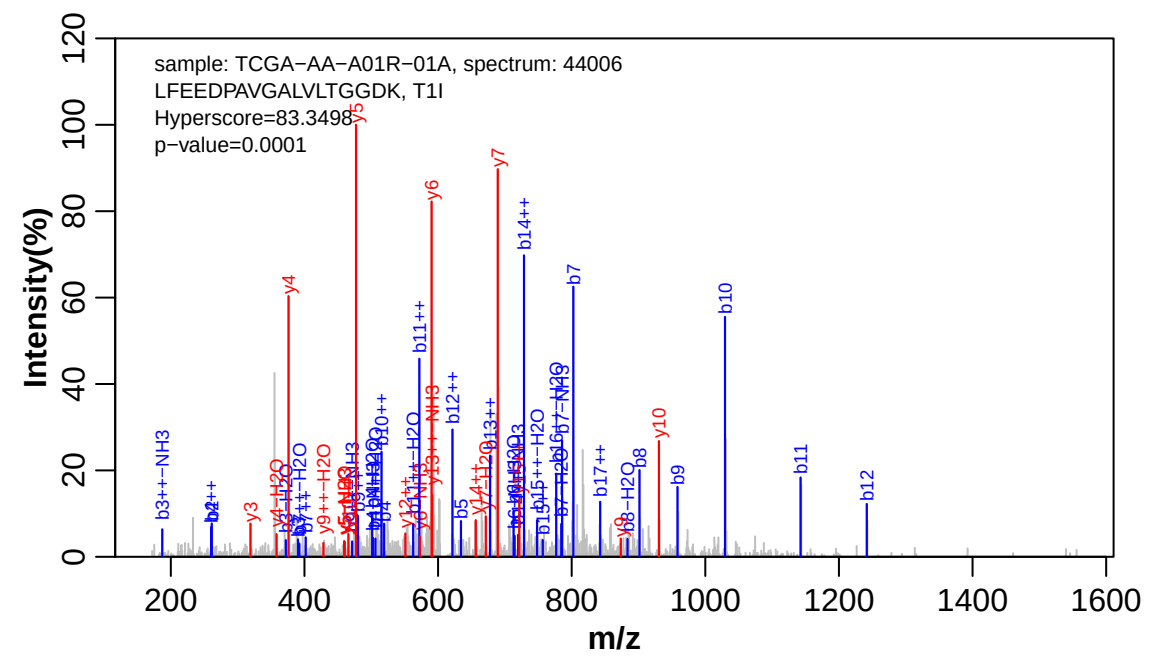

sample: TCGA−AA−A01R−01A, spectrum: 111897
KSVEEYANCHLAR, P2S
Hyperscore=65.4166
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
y2−NH3
y2−H2O
y2
b6++−H2O
b6++
b7++
y4++
b4−NH3
b8++
y8++
y4
b9++
b5
b10++
y10++
y10++−H2O
y10++−NH3
y11++
y11++−NH3
b12++−NH3
b12++−H2O
b6
y6−NH3
y6−H2O
y6
b7−NH3
b7
y12++
y7−H2O
y7−NH3
y7
b8
y8

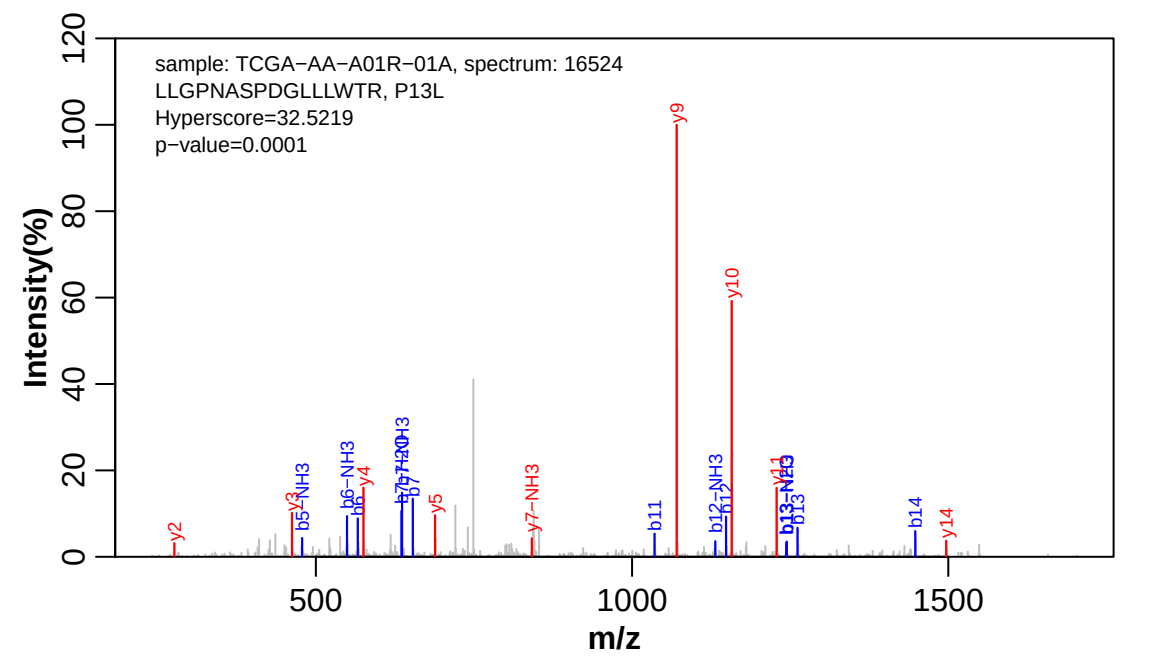

sample: TCGA−AA−A01R−01A, spectrum: 12000
LALQPGTVGPQGR, V3I
Hyperscore=13.1081
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b3
b4
y4
y5
y6
y8
b8
y9−H2O
y9
y10

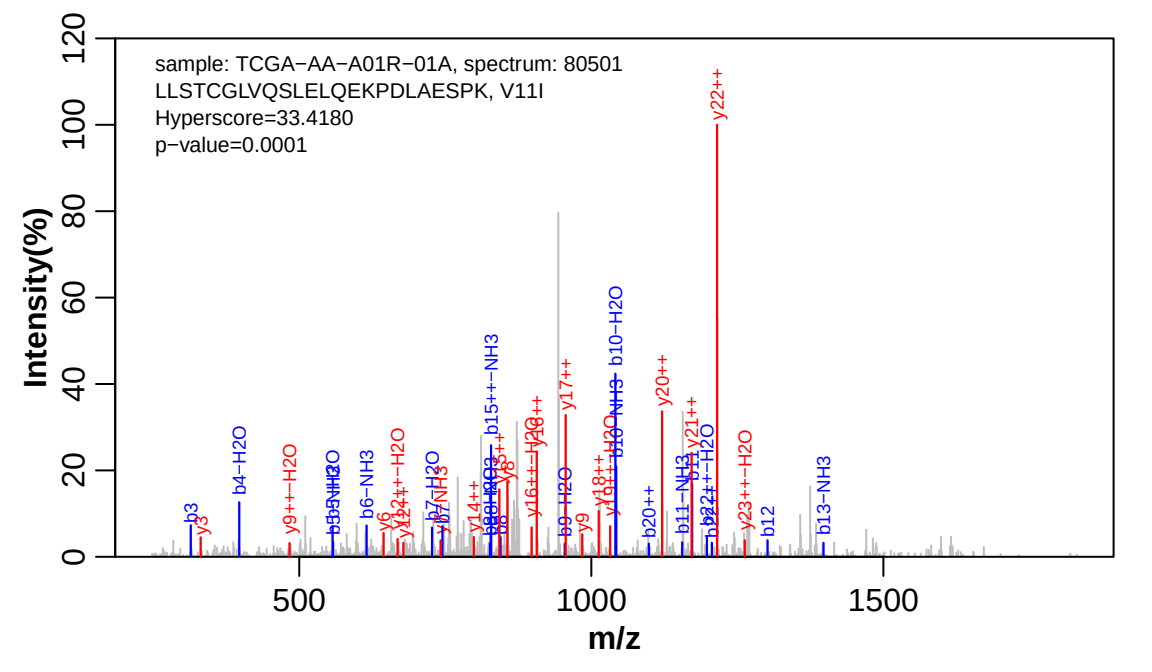

sample: TCGA−AA−A01R−01A, spectrum: 8110
LASDLLEWLQR, R10Q
Hyperscore=52.3684
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y2
y4++
y3
b7++
y5++−H2O
b4
y3−H2O
y6++
b8++−H2O
b8++
b5−H2O
b5
b9++−H2O
b9++
y4
b6
b7
y5
b8
b8−H2O

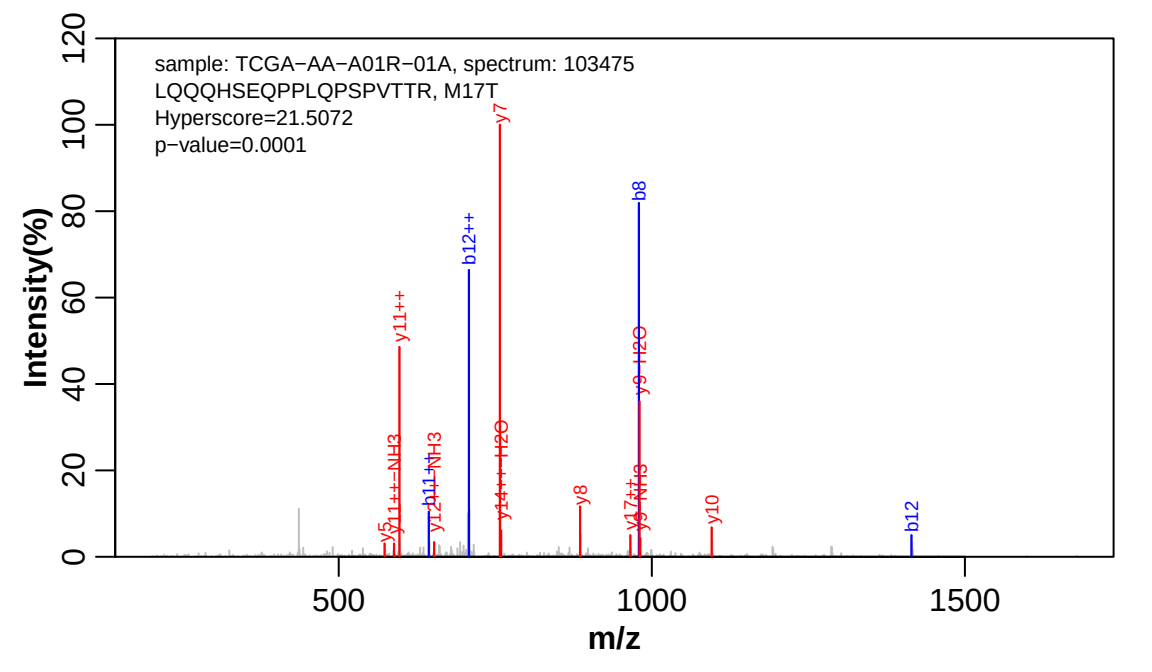

sample: TCGA−AA−A01R−01A, spectrum: 84718
LCTSVTESDVAR, E9D
Hyperscore=27.7687
p−value=0.0001
Intensity(%)
m/z
y7
y10
y9
y8
y10−H2O
b10
b11
b9
b7
b7−H2O
y6−NH3
y6
b6−H2O
b5
y5−H2O
y5−NH3
b3−NH3
b3−H2O
y4
y3
b3
y2
b2−NH3
b2

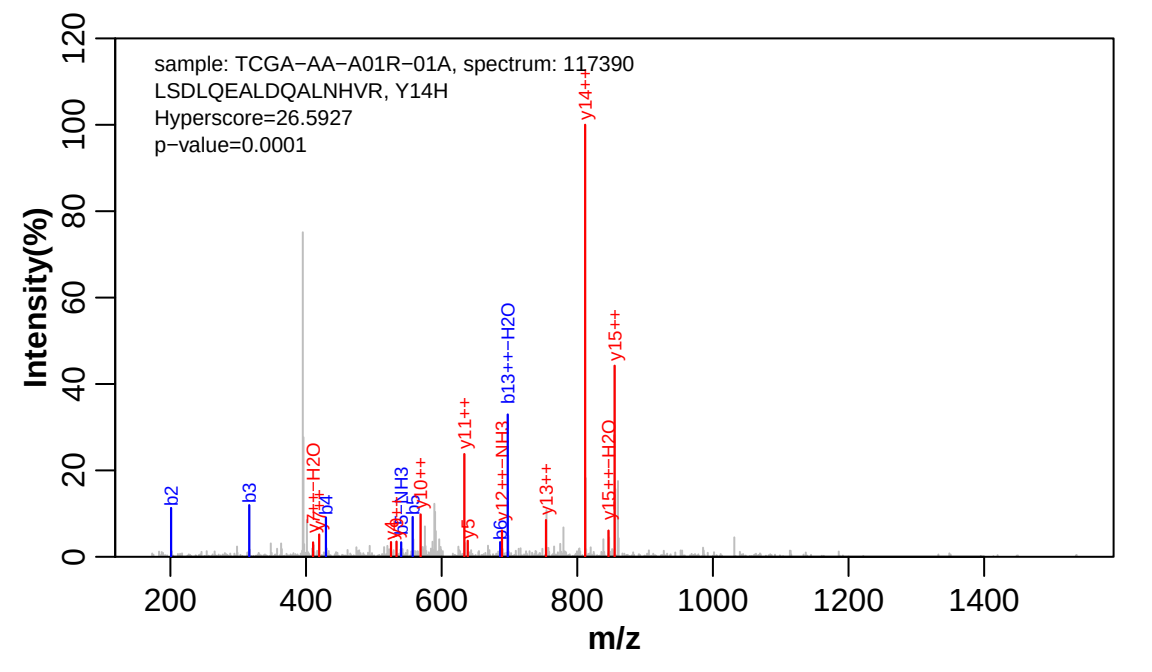

sample: TCGA−AA−A01R−01A, spectrum: 4395
LDSTDFTSTLK, G8S
Hyperscore=36.7190
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−H2O
y8
y9−H2O
b10−NH3
b10
y10−NH3
y10
y9

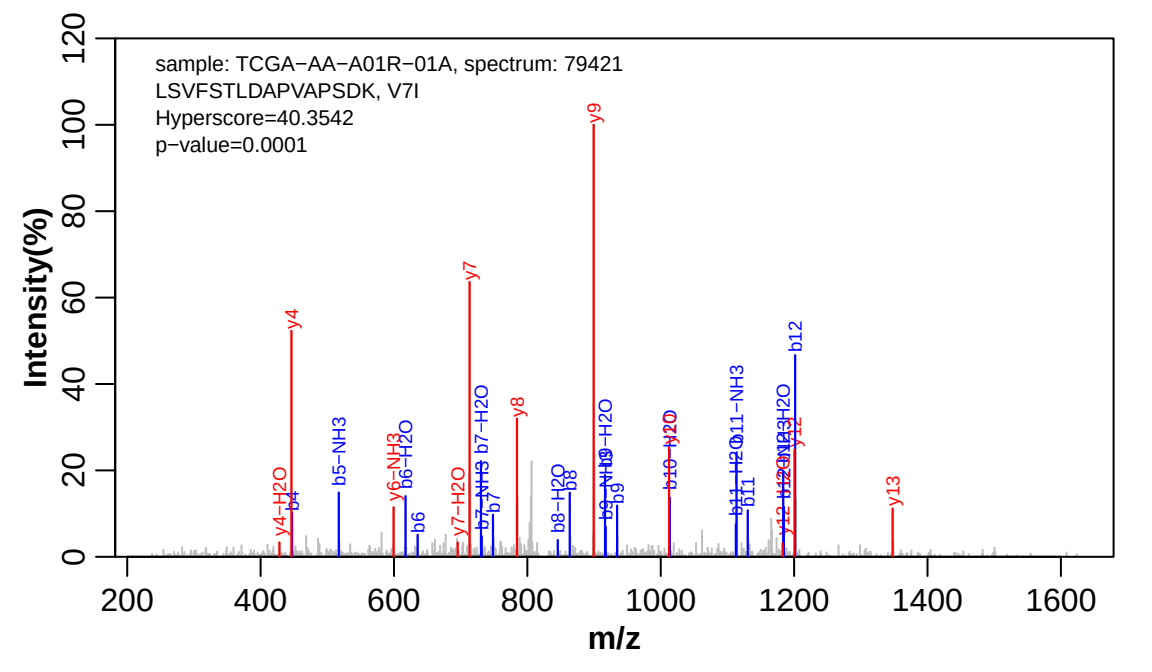

sample: TCGA−AA−A01R−01A, spectrum: 44006
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=83.3498
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3++−NH3
b2++
y3
y4
y4−H2O
y9++−H2O
y5
y6
y7
b11++
y13++−NH3
b12++
b5
b14++
b7
b10
b17++
b8−H2O
y8
y10
b9
b11
b12

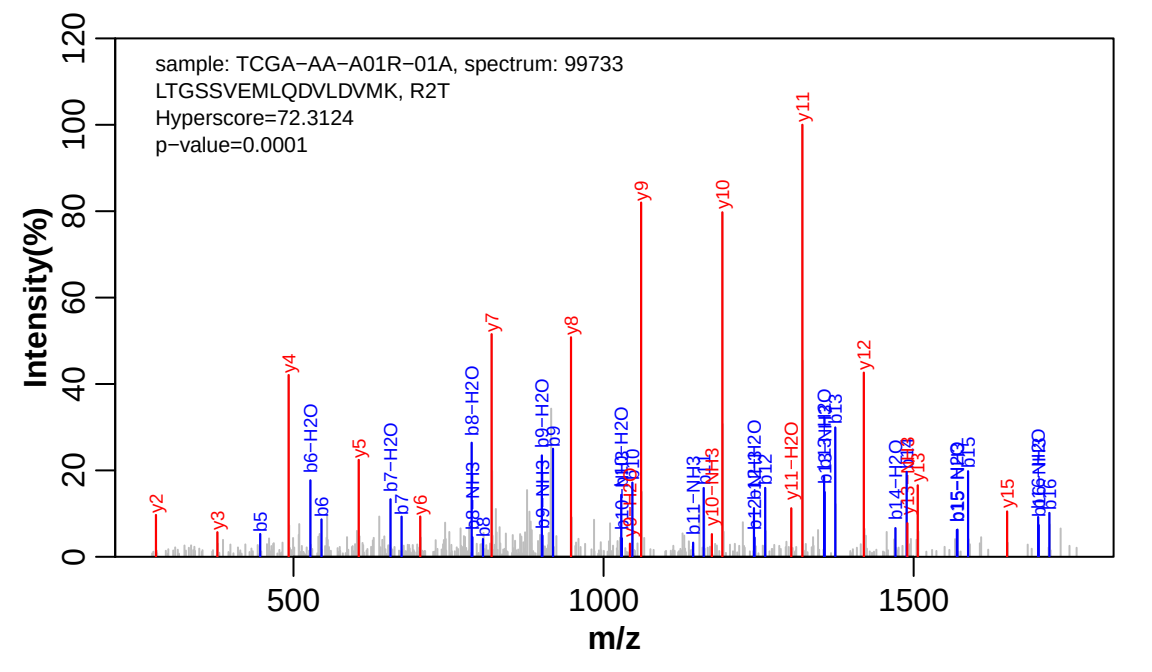

sample: TCGA−AA−A01R−01A, spectrum: 16524
LLGPNASPDGLLLWTR, P13L
Hyperscore=32.5219
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
b5−NH3
b6−NH3
b6
y4
b7+2H2O−NH3
b7
y5
y7−NH3
b11
y9
b12−NH3
b12
y10
b13−NH3
b13
y11
b14
y14

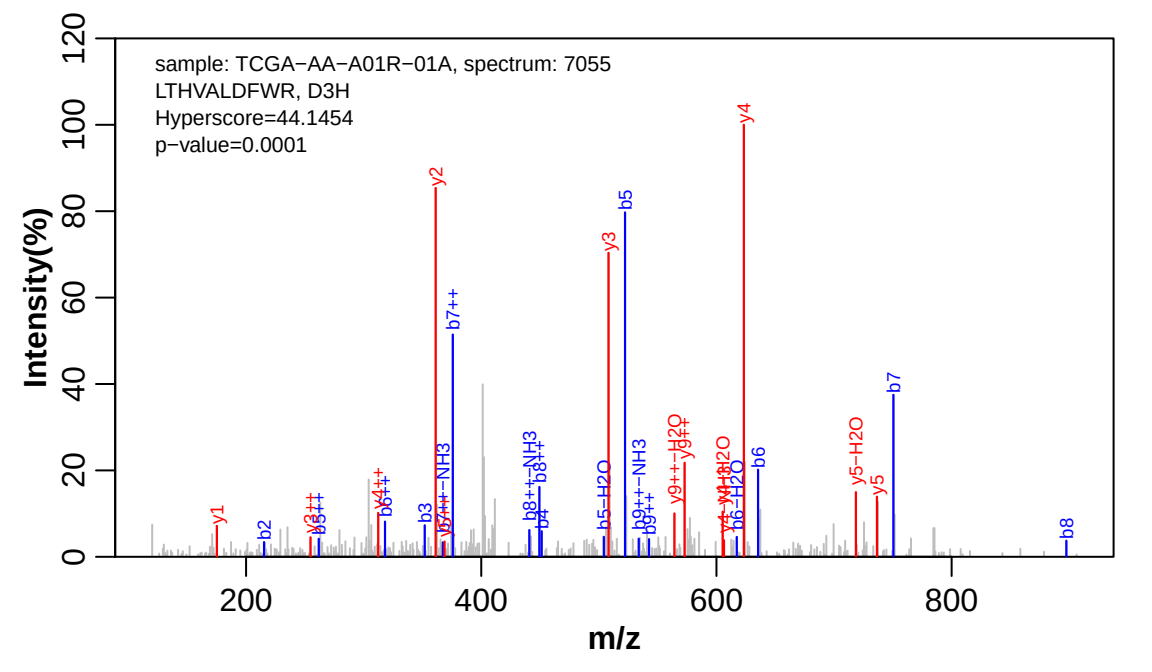

sample: TCGA−AA−A01R−01A, spectrum: 80501
LLSTCGLVQSLELQEKPDLAESPK, V11I
Hyperscore=33.4180
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y3
b4−H2O
y9++−H2O
b6−NH3
y6
b7−H2O
b7−NH3
y14++
b15++−NH3
y8
y16++−H2O
y17++
b9−H2O
y9
b10−H2O
b10−NH3
b20++
y20++
b11−NH3
y21++
y22++−H2O
y23++−H2O
b12
b13−NH3
y22++

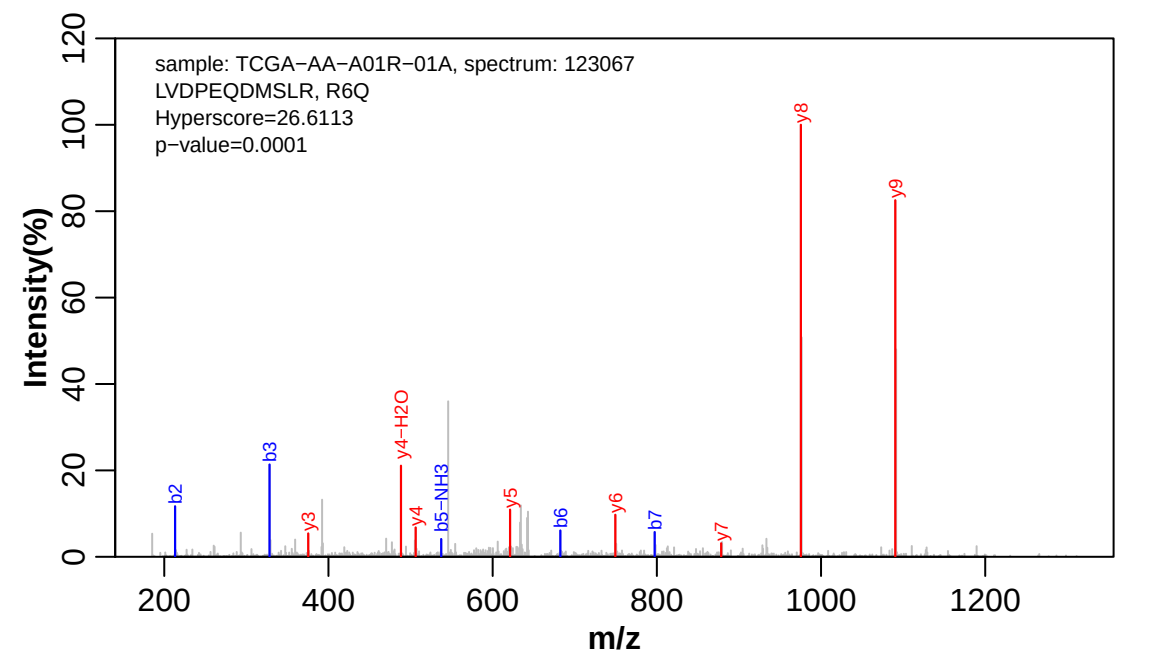

sample: TCGA−AA−A01R−01A, spectrum: 103475
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.5072
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
b8
b12++
y11++
y9−H2O
y11++−NH3
y11++−NH3
y14+++H2O
y8
y17++
y9−NH3
y10
b12
y5

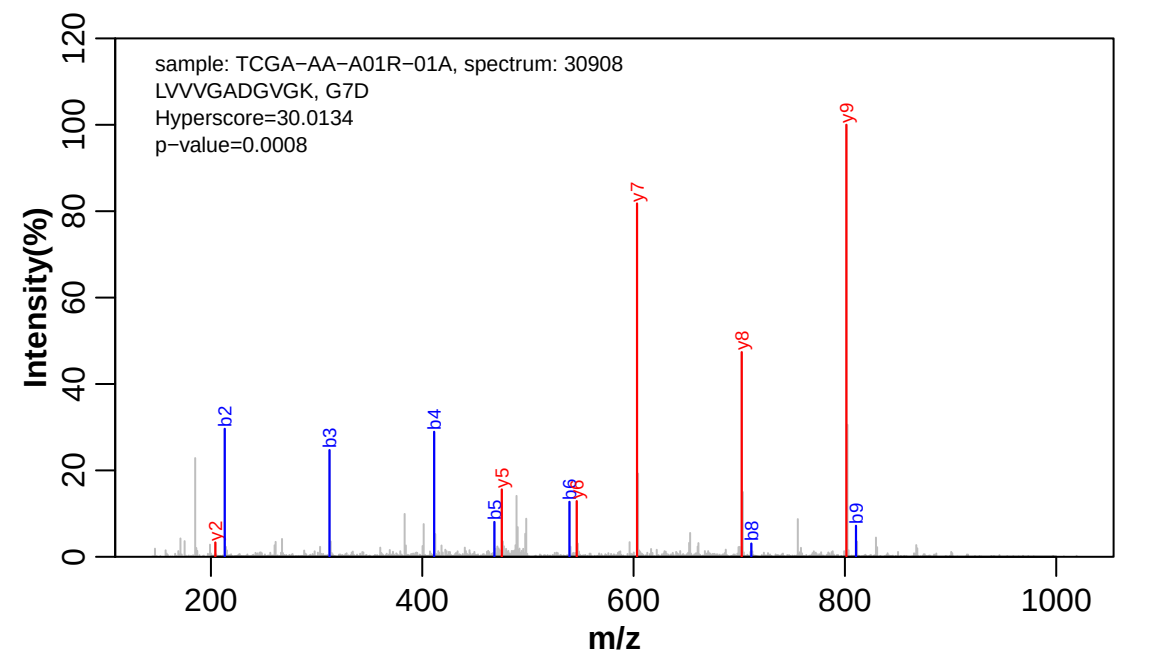

sample: TCGA−AA−A01R−01A, spectrum: 117390
LSDLQEALDQALNHVR, Y14H
Hyperscore=26.5927
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b3
y7++−H2O
b4
y7++−NH3
b5
y10++
y11++
y5
b6
b12++−NH3
b13++−H2O
y13++
y14++
y15++
y15++−H2O

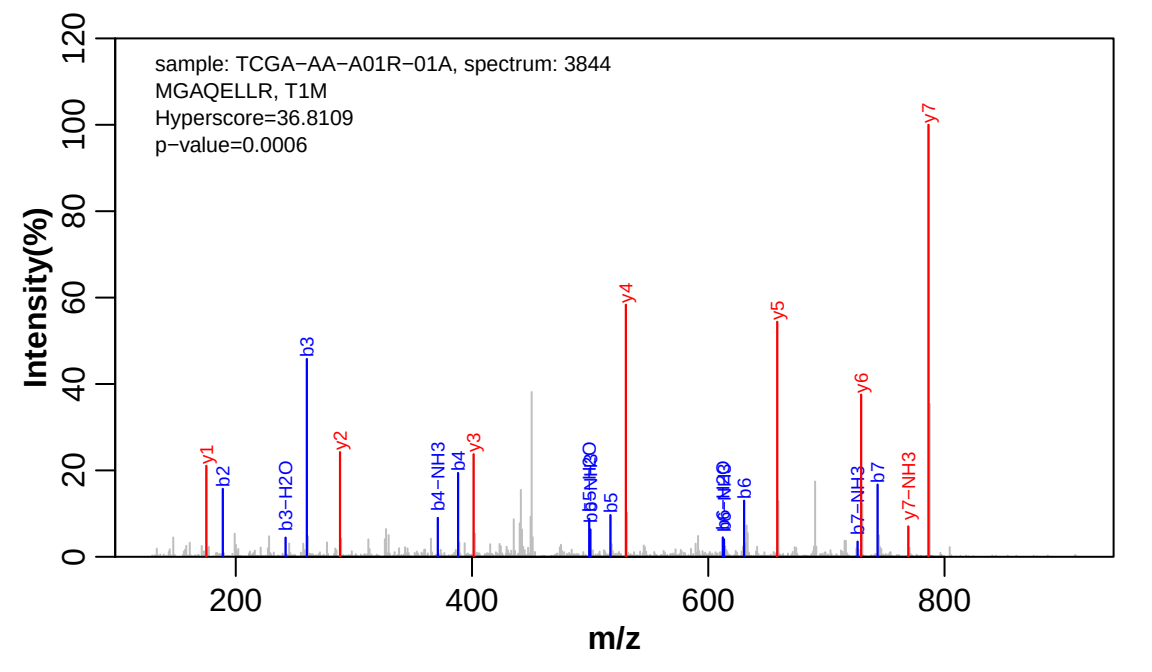

sample: TCGA−AA−A01R−01A, spectrum: 79421
LSVFSTLDAPVAPSDK, V7I
Hyperscore=40.3542
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4
y9
y7
y8
y13
b12
b5−NH3
b6−H2O
b6
b7−H2O
b8−H2O
b8
b10−H2O
b11−NH3
y4−H2O
y6−NH3
y7−H2O

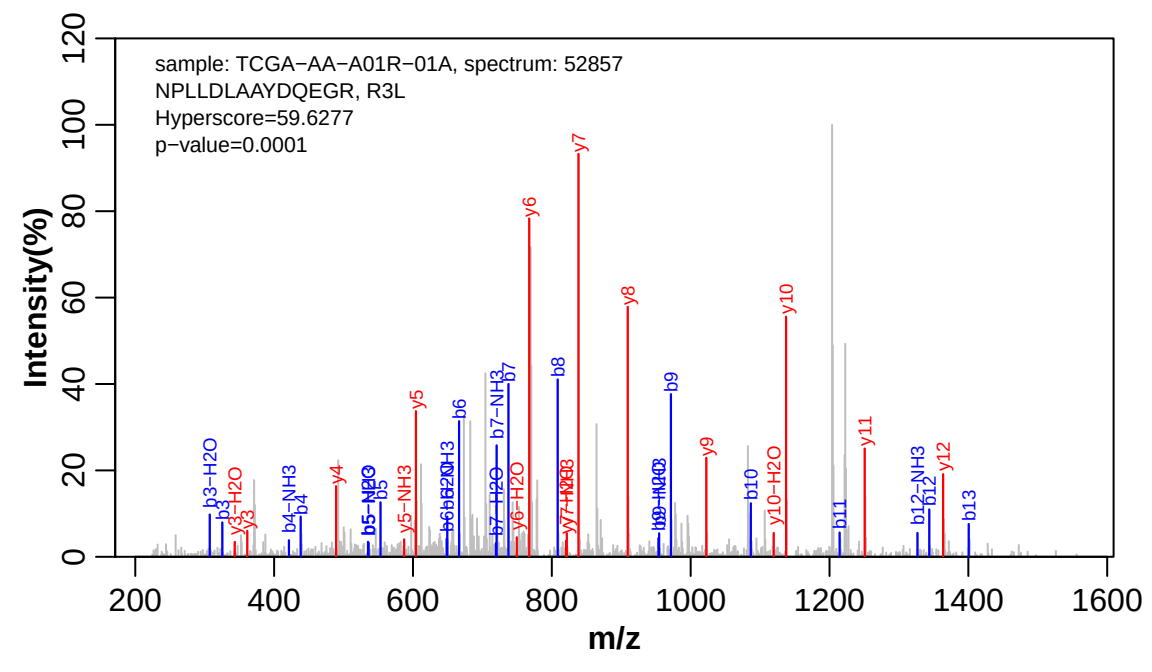

sample: TCGA−AA−A01R−01A, spectrum: 99733
LTGSSVEMLQDVLDVMK, R2T
Hyperscore=72.3124
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
b5
y4
b6−H2O
b6
y5
b7−H2O
b7
y6
b8−NH3
b8
b8−H2O
y7
b9−NH3
b9
b9−H2O
y8
y9
y10
b11−NH3
y10−NH3
b12
y11−H2O
y11
b13
b13−NH3
y12
b14−H2O
y13
b15−NH3
b15
y15
b16−NH3
b16
b18

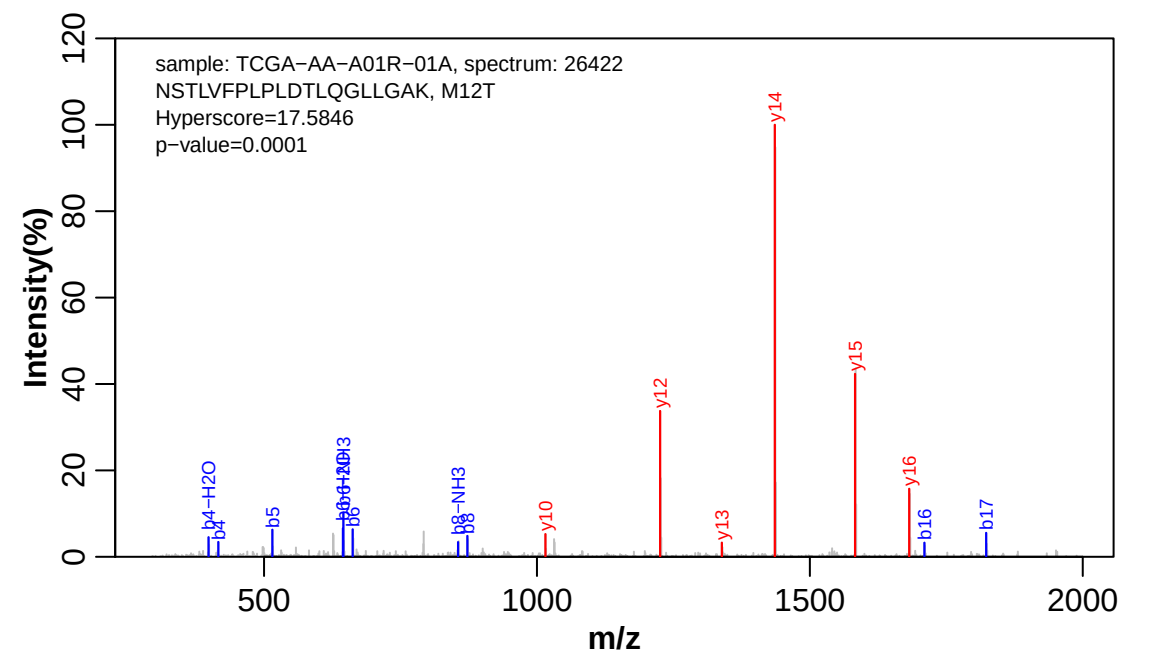

sample: TCGA−AA−A01R−01A, spectrum: 7055
LTHVALDFWR, D3H
Hyperscore=44.1454
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2
y2
b3
y3
b5
y4
b6
b7
y5
y5−H2O
b8
b7++
b5−H2O
b9++−NH3
y9++−H2O
b6−H2O

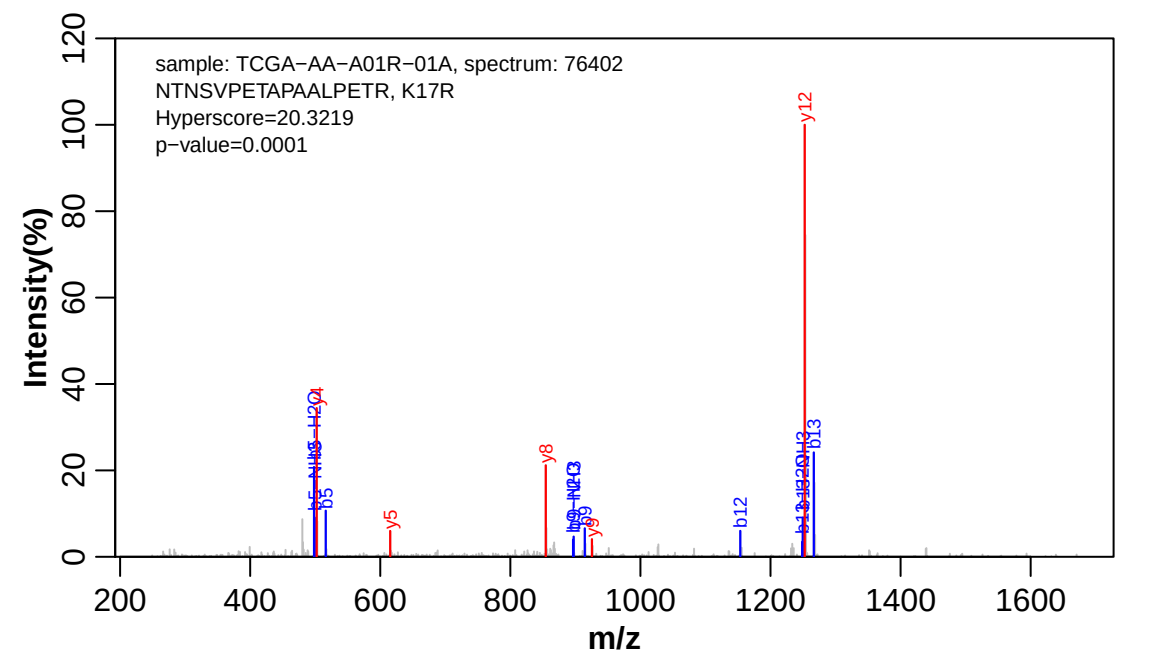

sample: TCGA−AA−A01R−01A, spectrum: 123067
LVDPEQDMSLR, R6Q
Hyperscore=26.6113
p−value=0.0001
Intensity(%)
m/z
b2
b3
y3
y4−H2O
y4
b5−NH3
y5
b6
y6
b7
y7
y8
y9

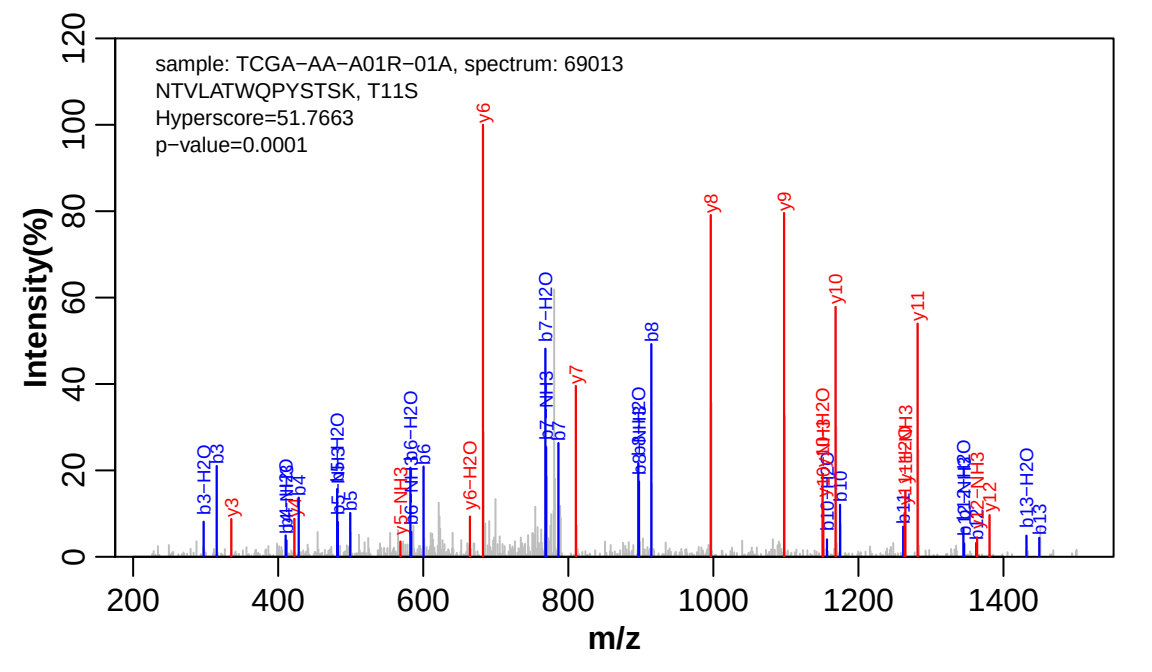

sample: TCGA−AA−A01R−01A, spectrum: 30908
LVVVGADGVGK, G7D
Hyperscore=30.0134
p−value=0.0008
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
y2
b3
b4
y5
b5
b6
y8
y7
y8
b8
y9
b9

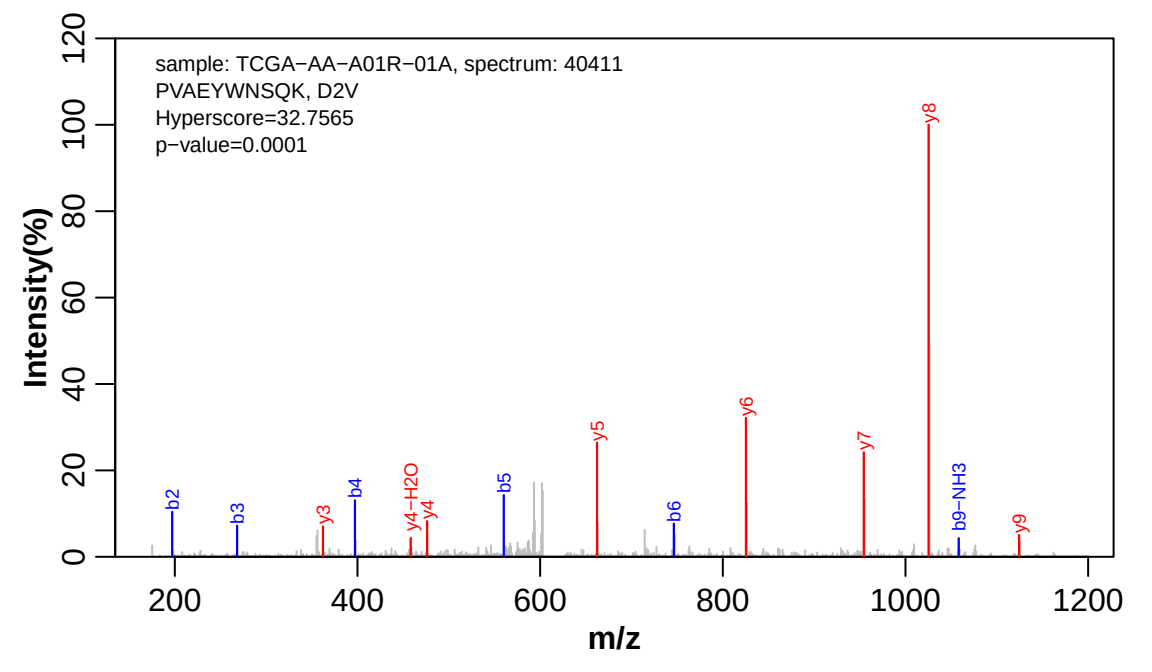

sample: TCGA−AA−A01R−01A, spectrum: 3844
MGAQELLR, T1M
Hyperscore=36.8109
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2
b3−H2O
b3
y2
b4−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
b6−NH3
b6−H2O
b6
y5
b7−NH3
b7
y6
y7−NH3
y7

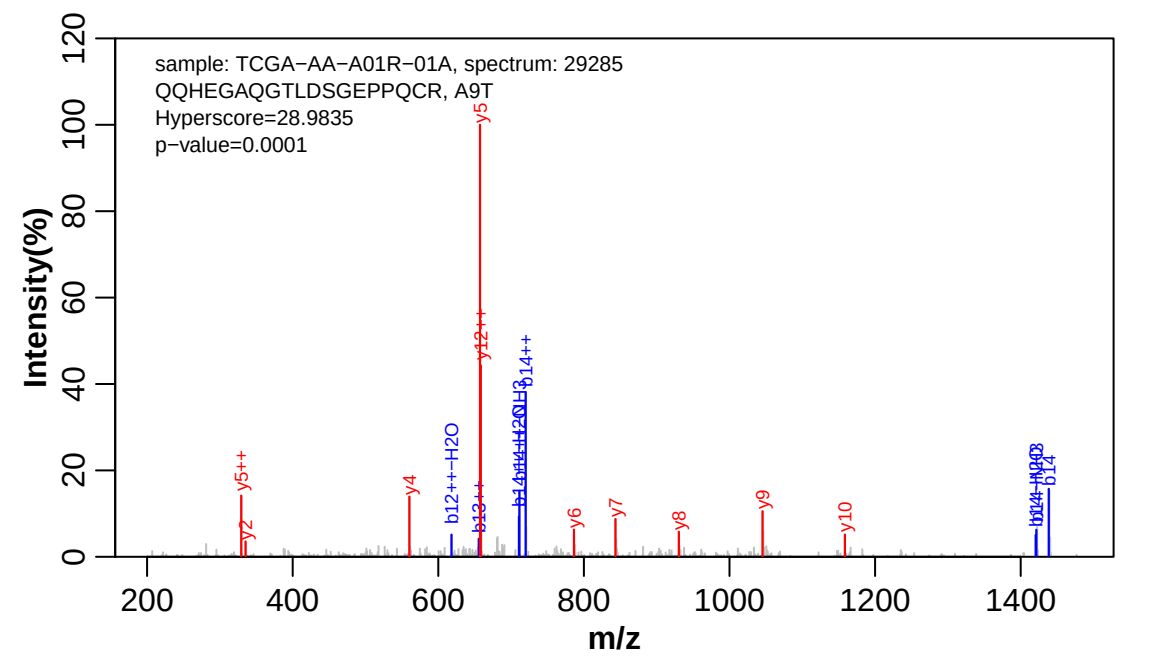

sample: TCGA−AA−A01R−01A, spectrum: 52857
NPLLDLAAYDQEGR, R3L
Hyperscore=59.6277
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
y4−H2O
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
y5
b6−NH3
b6
b7−H2O
b7−NH3
b7
y6−H2O
y6
y7
b8
y8
b9
y9
b10
y10−H2O
y10
b11
y11
b12−NH3
b12
y12
b13

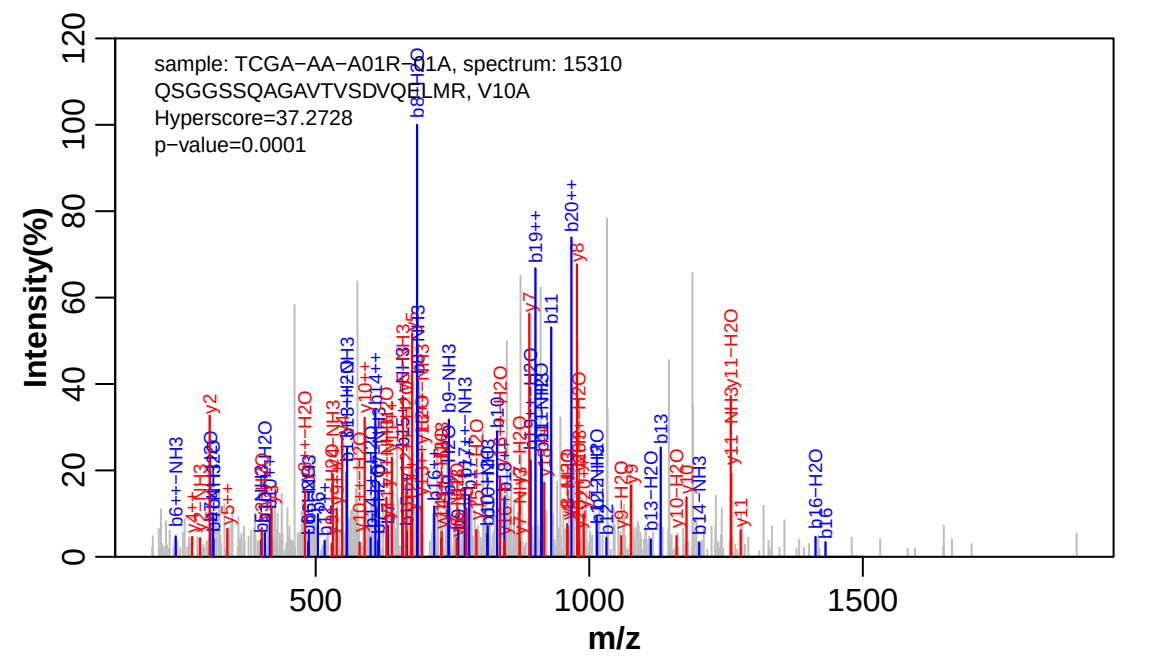

sample: TCGA−AA−A01R−01A, spectrum: 26422
NSTLVFPLPLDTLQGLLGAK, M12T
Hyperscore=17.5846
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b4−H2O
b4
b5
b6
b8−NH3
b8
y10
y12
y13
y14
y15
y16
b16
b17

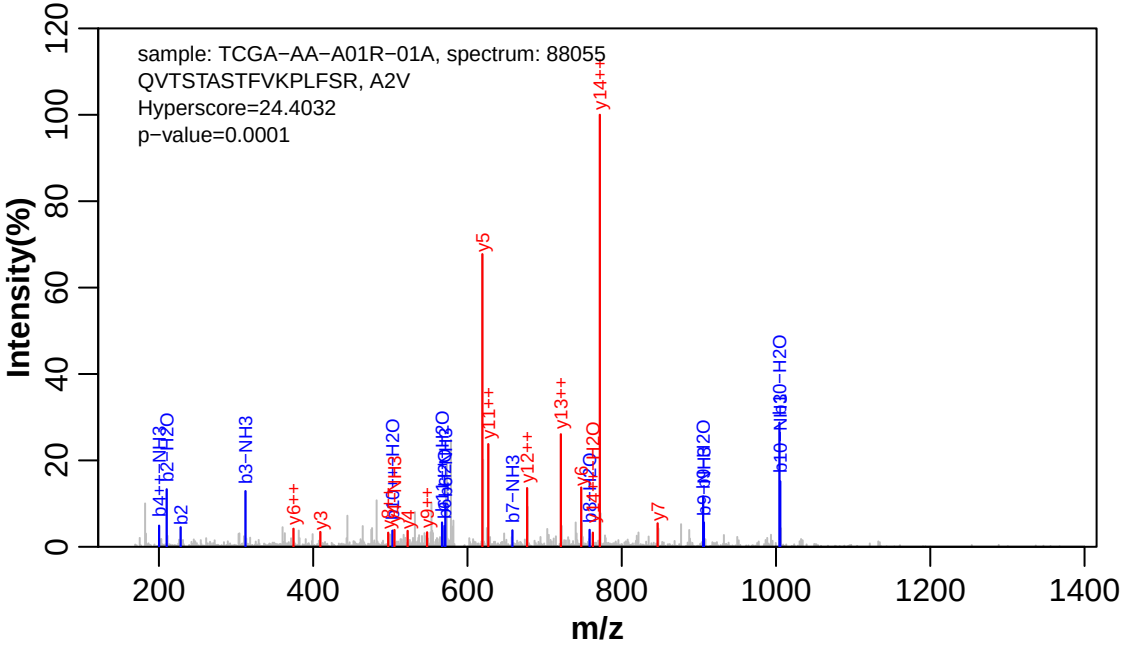

sample: TCGA−AA−A01R−01A, spectrum: 76402
NTNSVPETAPAALPETR, K17R
Hyperscore=20.3219
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
b12
b13
b5

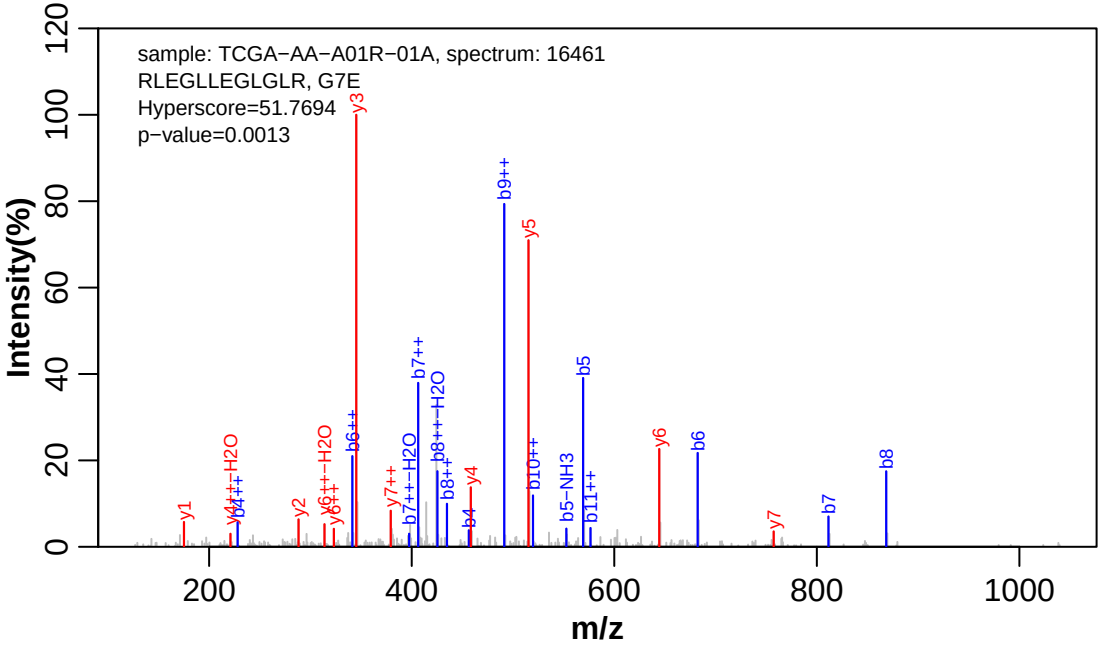

sample: TCGA−AA−A01R−01A, spectrum: 69013
NTVLATWQPYSTSK, T11S
Hyperscore=51.7663
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6
y8
y9
y10
y11
y7
y12
y3
y6−H2O
y5−NH3
b7−H2O
b7−NH3
b8
b3−H2O
b3
b6−H2O
b6
b5
b13−H2O
b13

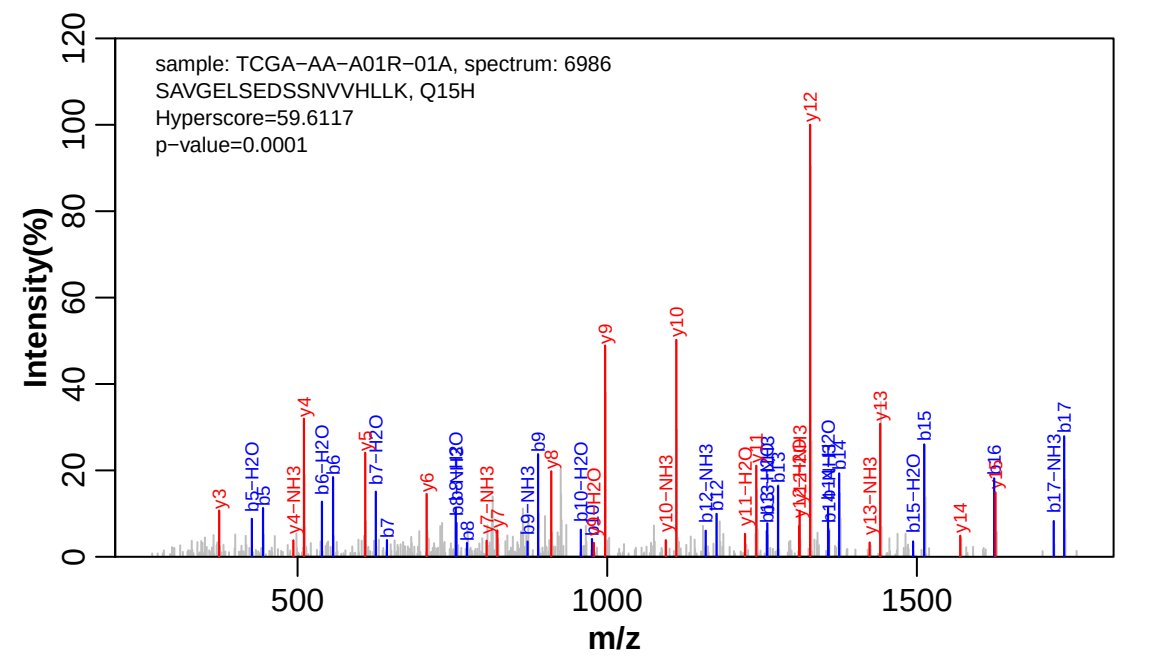

sample: TCGA−AA−A01R−01A, spectrum: 40411
PVAEYWNSQK, D2V
Hyperscore=32.7565
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4
y4−H2O
y4
b5
y5
b6
y6
y7
y8
b9−NH3
y9

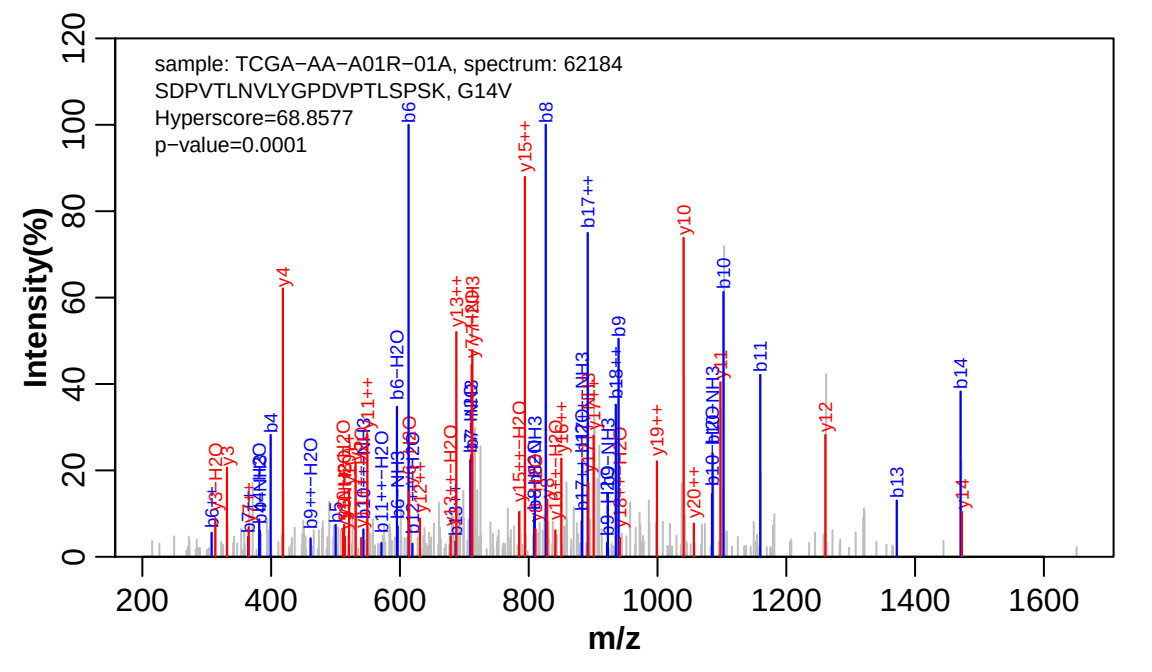

sample: TCGA−AA−A01R−01A, spectrum: 29285
QQHEGAQGTLDSGEPPQCR, A9T
Hyperscore=28.9835
p−value=0.0001
Intensity(%)
m/z
y5
y12++
b14++
y5++
y2
y4
b12++−H2O
b13++
y6
y7
y8
y9
y10
b14
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

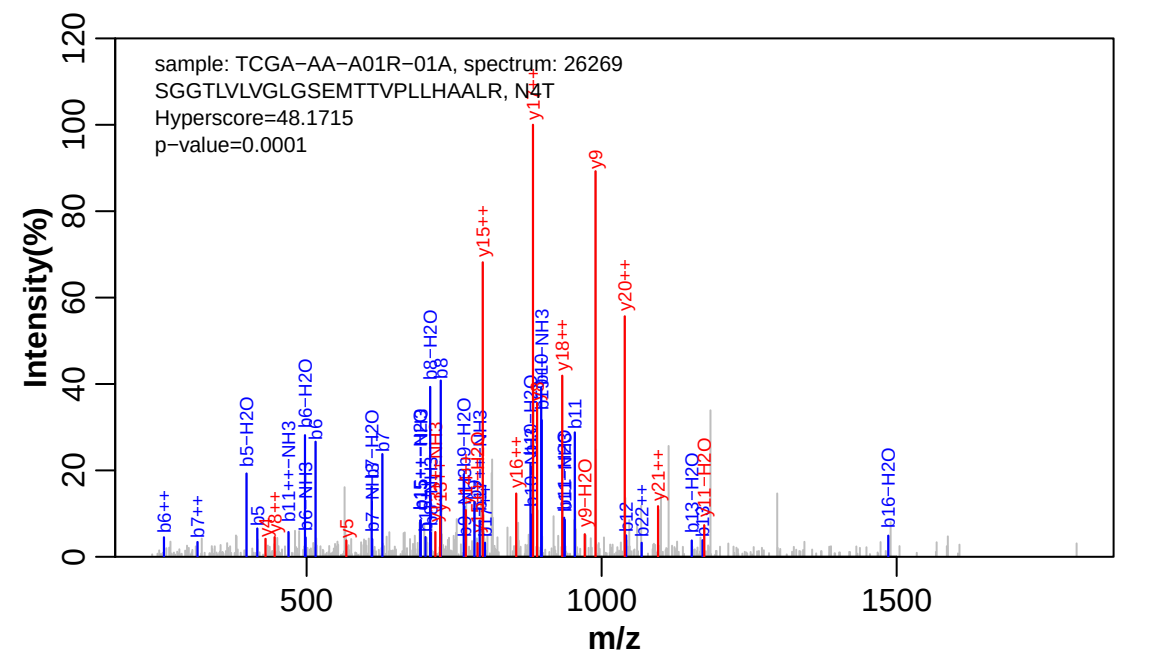

sample: TCGA−AA−A01R−01A, spectrum: 15310
QSGGSSQAGAVTVSDVQELMR, V10A
Hyperscore=37.2728
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8−H2O
b20++
b19++
y8
y7
b11
b9−NH3
b10−H2O
b12
y9
y9−H2O
b13−H2O
b13
y10−H2O
b14−NH3
y11−NH3
y11−H2O
y11
b16−H2O
b16
b6++−NH3
y2
y5++
b5++−H2O

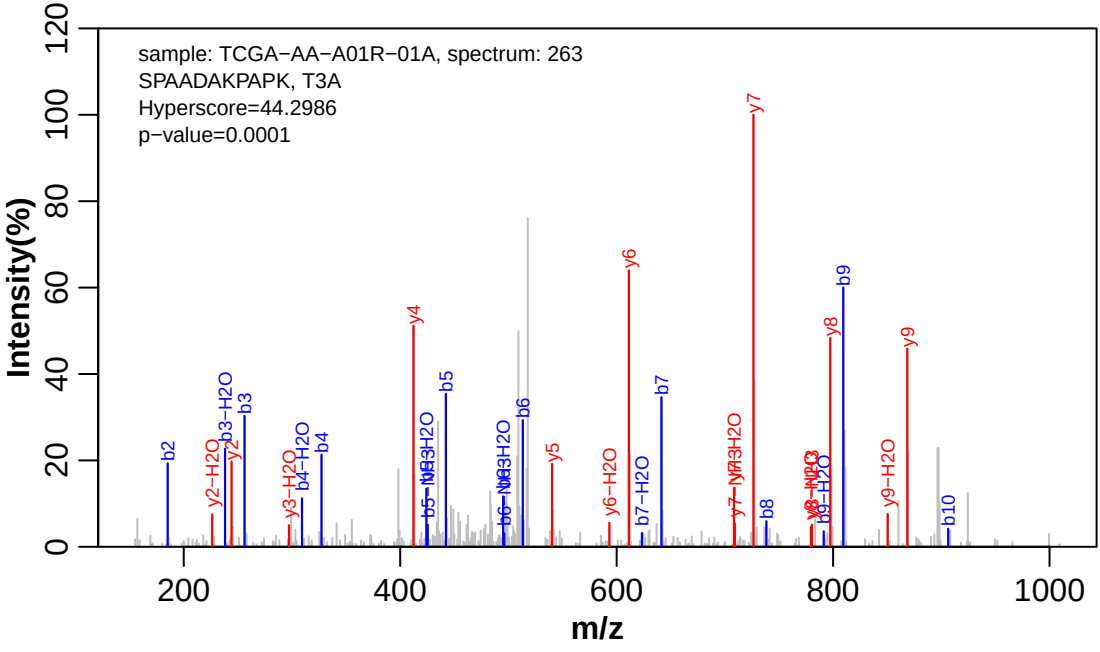

sample: TCGA−AA−A01R−01A, spectrum: 88055
QVTSTASTFVKPLFSR, A2V
Hyperscore=24.4032
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y14++
y5
y11++
y13++
y12++
b7−NH3
b3−NH3
b10−NH3−H2O
b10−H2O
y7
y6++
y3
b2

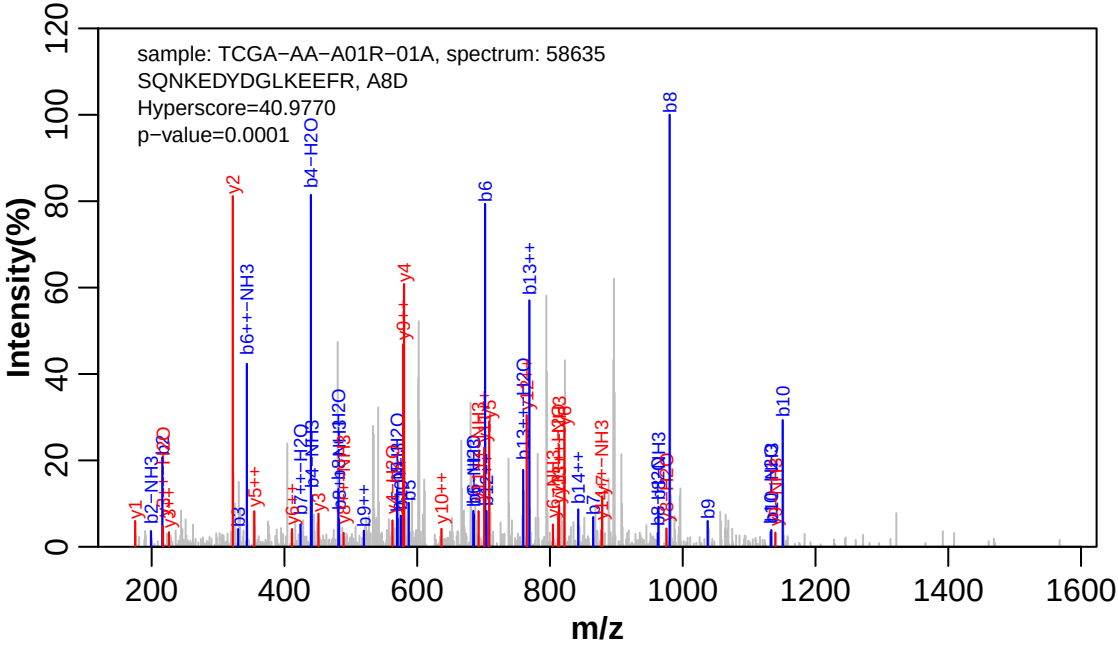

sample: TCGA−AA−A01R−01A, spectrum: 16461
RLEGLLEGLGLR, G7E
Hyperscore=51.7694
p−value=0.0013
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
y2
y3
y4++−H2O
y4++
y6++−H2O
y6++
b4++
b6++
y7++
b7++−H2O
b7++
b8++−H2O
b8++
b4
y4
b9++
y5
b10++
b5−NH3
b5
b11++
y6
b6
y7
b7
b8

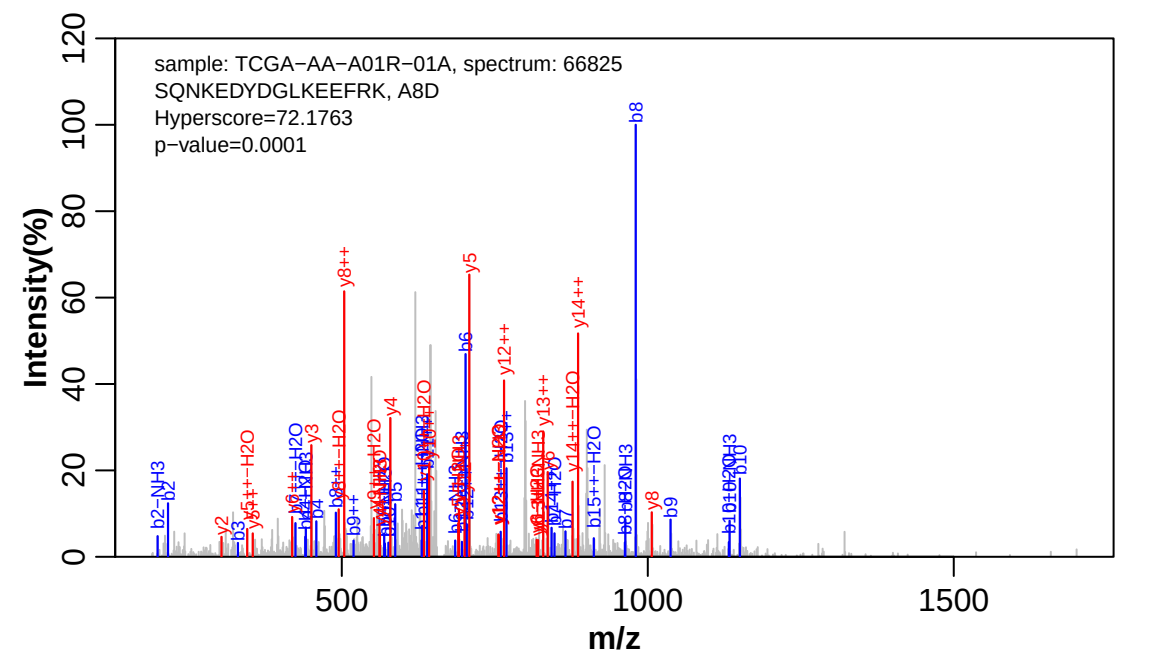

sample: TCGA−AA−A01R−01A, spectrum: 6986
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=59.6117
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y9
y10
y4
y13
b15
b17
b5−H2O
b6−H2O
b7−H2O
y4−NH3
y5
y6
y7−NH3
b9−NH3
b9
y8
b10−H2O
y10−NH3
b12−NH3
b12
y11−H2O
b14
y13−NH3
b15−H2O
y14
y15
y16
b17−NH3
y3
b5
b6
b7
b8
y7
y11
b13

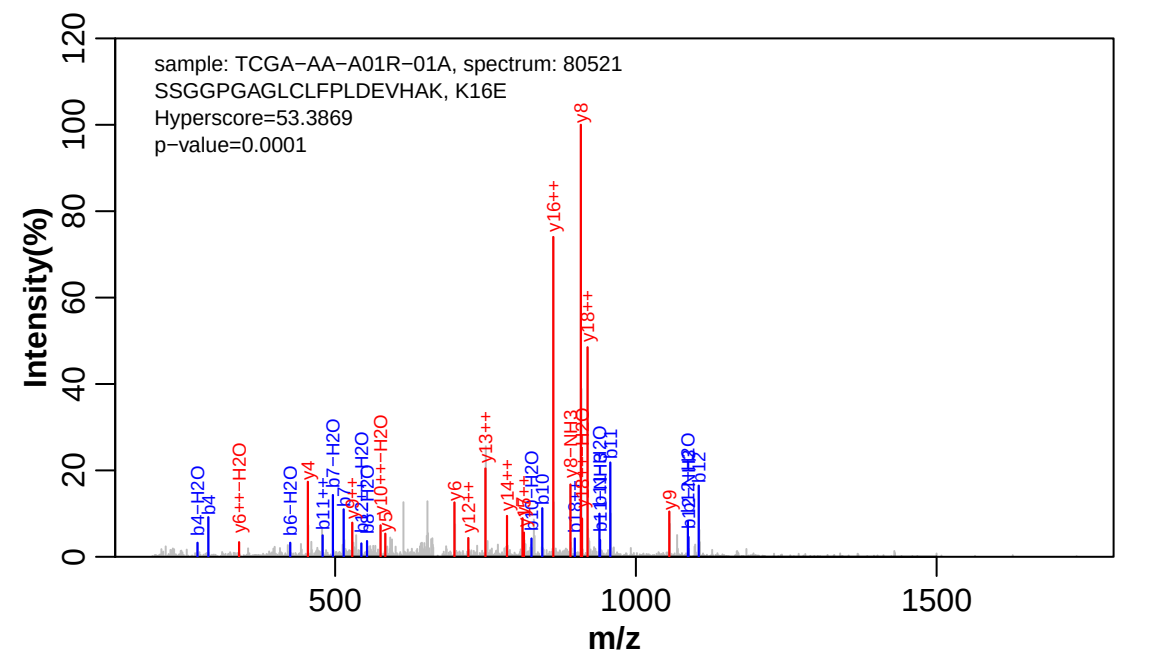

sample: TCGA−AA−A01R−01A, spectrum: 62184
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=68.8577
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b6
b8
y15++
b17++
y10
b10
b11
b14
y12
b13
y14
y4
b4
y3
b6−H2O
b6−NH3
y13++
y19++
y20++
b18++
b9
b9−H2O
b9−NH3
b11++−H2O
y11++
b13++−H2O
y15++−H2O
y15++−NH3
b17++−H2O
b17++−NH3
b18++−H2O
b18++−NH3
b6/y3−H2O
b9++−H2O

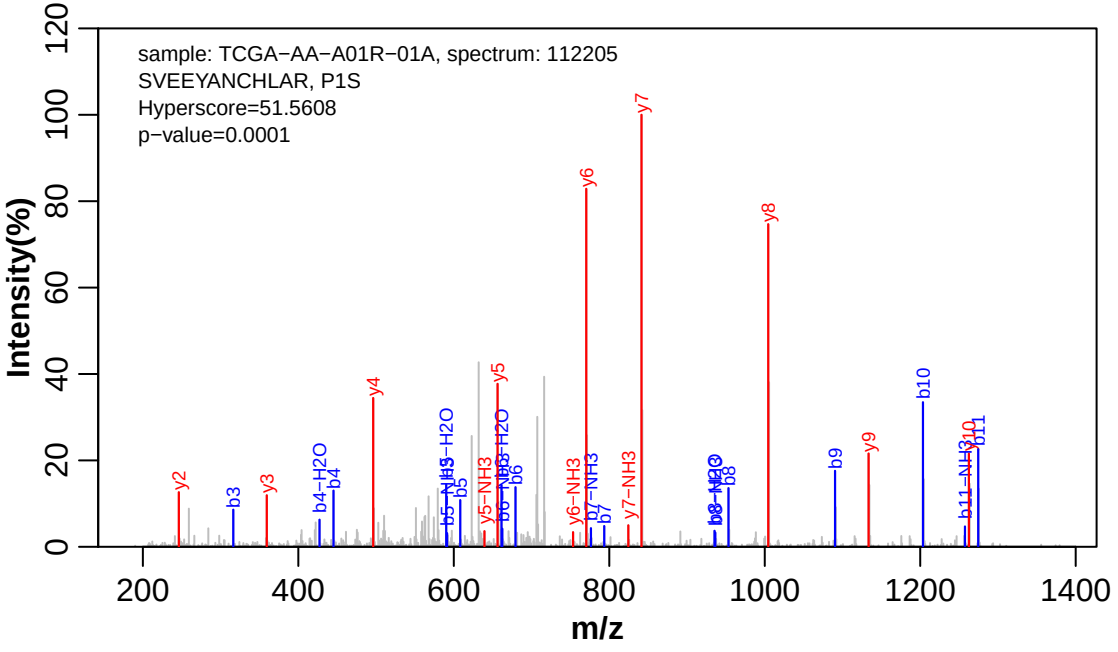

sample: TCGA−AA−A01R−01A, spectrum: 26269
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=48.1715
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b6++
b7++
b5
b5−H2O
y8++
b11++−NH3
b6−NH3
b6
b6−H2O
y5
b7−NH3
b7
b7−H2O
b8
b8−H2O
y15++
y16++
y9−H2O
y9
y11++
y18++
b11
y20++
b12
b22++
y21++
b13−H2O
b11−H2O
b16−H2O

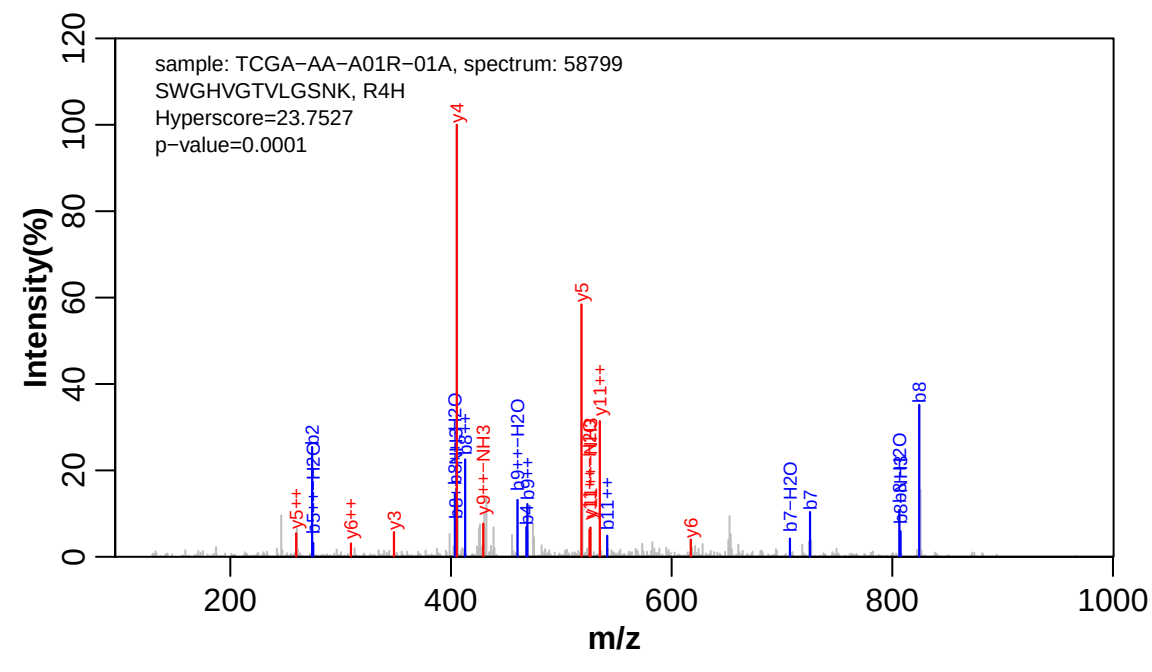

sample: TCGA−AA−A01R−01A, spectrum: 263
SPAADAKPAPK, T3A
Hyperscore=44.2986
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2−H2O
b3−H2O
y2
b3
y3−H2O
b4−H2O
b4
y4
b5
b6
y5
y6
y6−H2O
b7−H2O
b7
y7
y8
b8
b9
y9
y9−H2O
b10

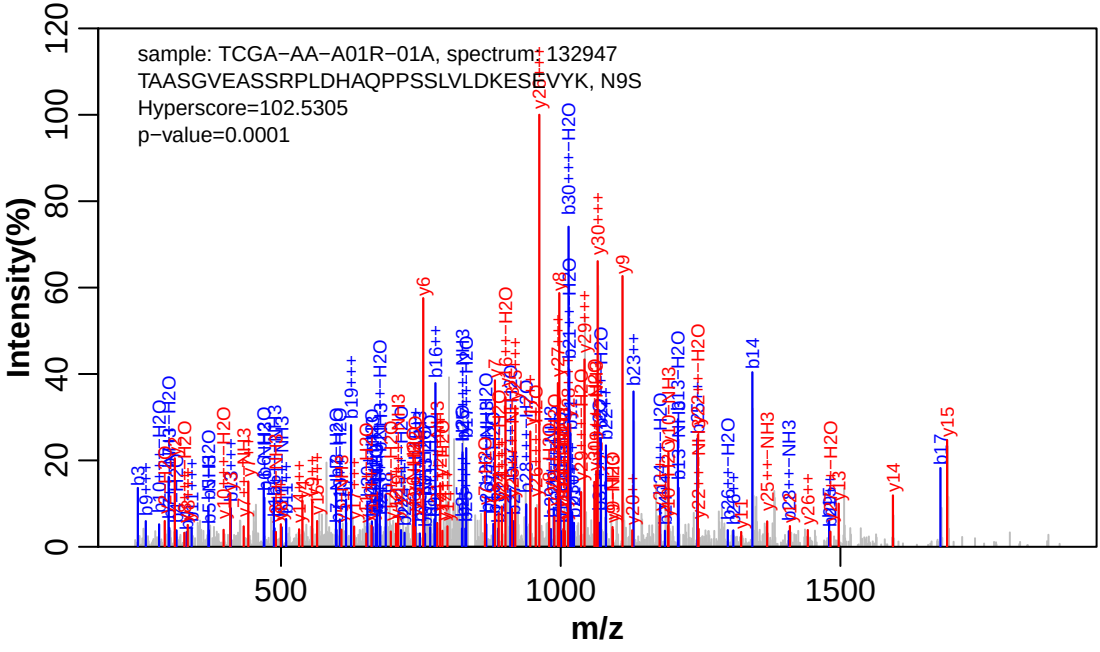

sample: TCGA−AA−A01R−01A, spectrum: 58635
SQNKEDYDGLKEEFR, A8D
Hyperscore=40.9770
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y1
b2−NH3
y3++
b3
y2
y5++
b6++−NH3
b4−H2O
y6++−H2O
y3
b4−NH3
b9++
y4
y9++
y10++
b5
b6
b13++
b14++
b7
b8
b9
b10

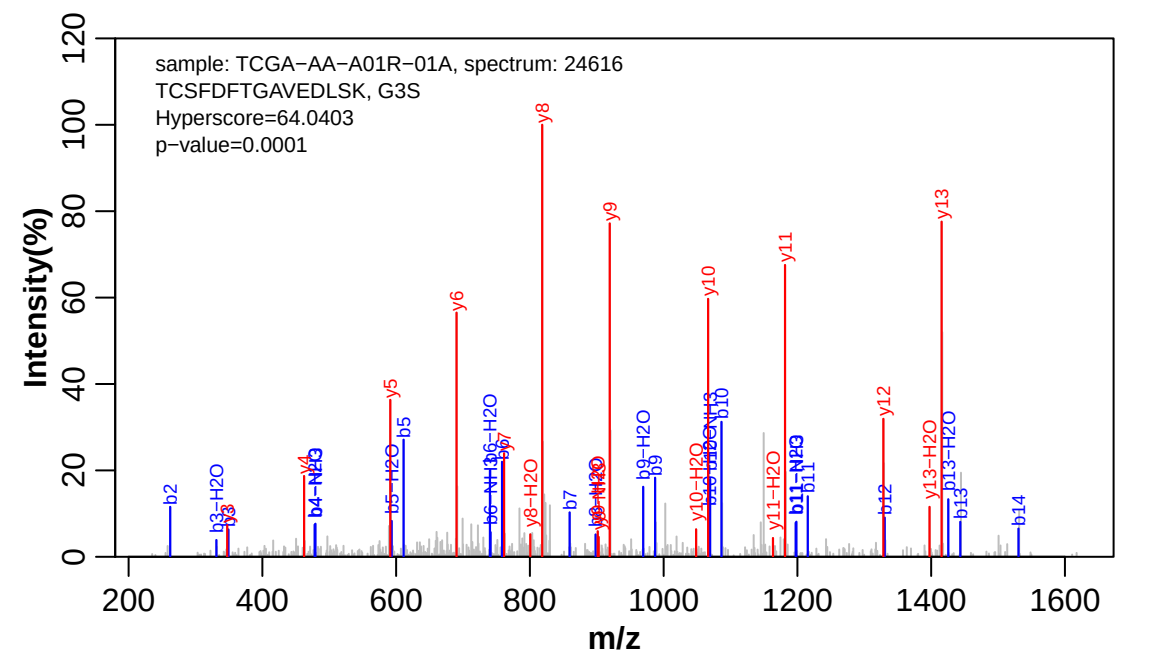

sample: TCGA−AA−A01R−01A, spectrum: 66825
SQNKEDYDGLKEEFRK, A8D
Hyperscore=72.1763
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8
y8++
y5
y14++
y12++
b6
y13++
y4
b2−NH3
b2
y2
b3
y5++−H2O
b4
y3
b9++
b15++−H2O
y8
b9
b10
b10−H2O−NH3

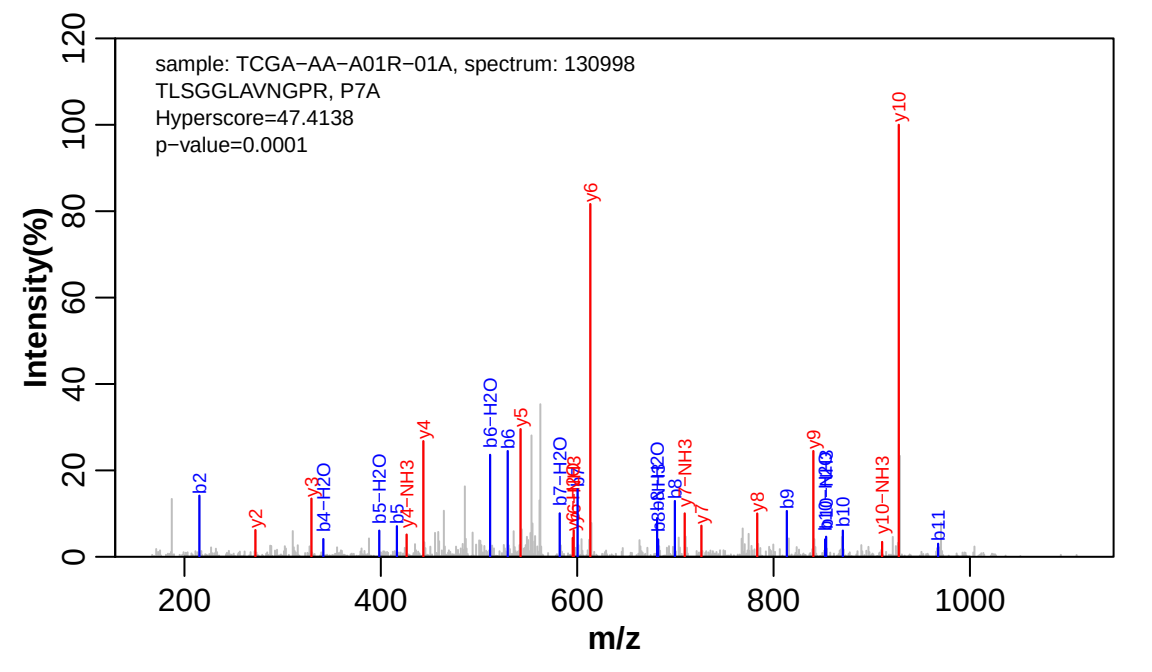

sample: TCGA−AA−A01R−01A, spectrum: 80521
SSGGPGAGLCLFPLDEVHAK, K16E
Hyperscore=53.3869
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y16++
y18++
y6++−H2O
b6−H2O
y4
y6
y12++
y13++
y14++
y9
b4−H2O
b4

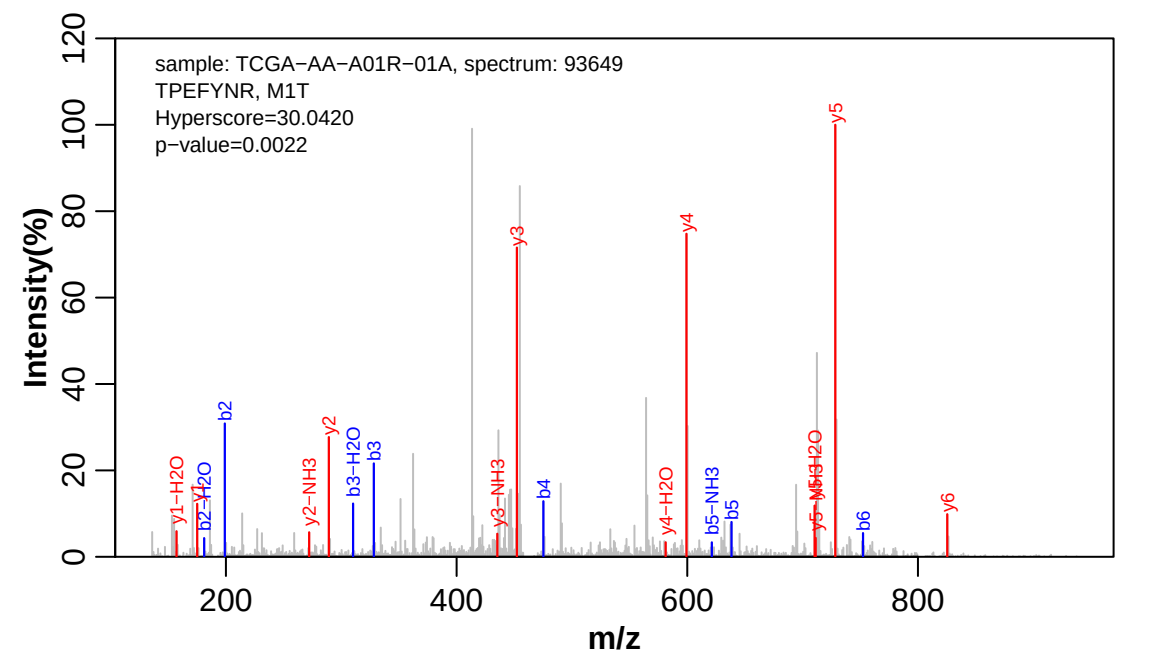

sample: TCGA−AA−A01R−01A, spectrum: 112205
SVEEYANCHLAR, P1S
Hyperscore=51.5608
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5−NH3
y5
b6−NH3
b6−H2O
b6
y6−NH3
y6
b7−NH3
b7
y7−NH3
y7
b8−H2O
b8−NH3
b8
y8
b9
y9
b10
b11−NH3
b11

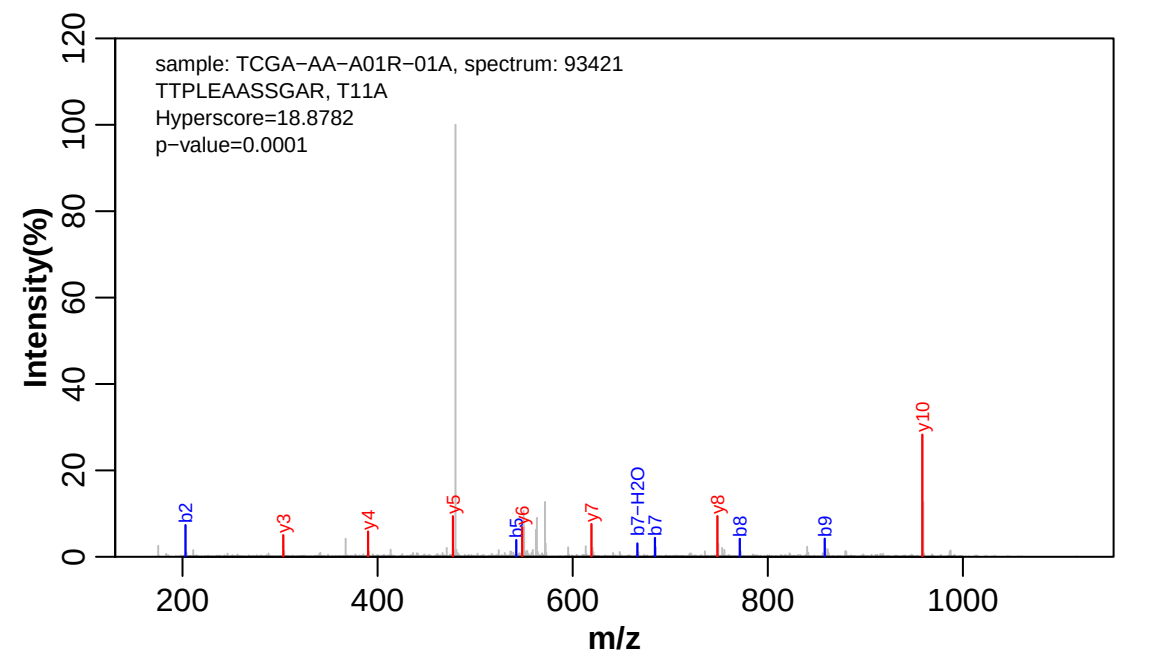

sample: TCGA−AA−A01R−01A, spectrum: 58799
SWGHVGTVLGSNK, R4H
Hyperscore=23.7527
p−value=0.0001
Intensity(%)
m/z
y4
y5
y5++
y6++
y3
y6
b7−H2O
b7
b8
y11++
y9++−NH3
b11++
b5++−H2O
b2
b8++
b9++−H2O
b9++
b4
y11++−NH3
0
20
40
60
80
100
120
200
400
600
800
1000

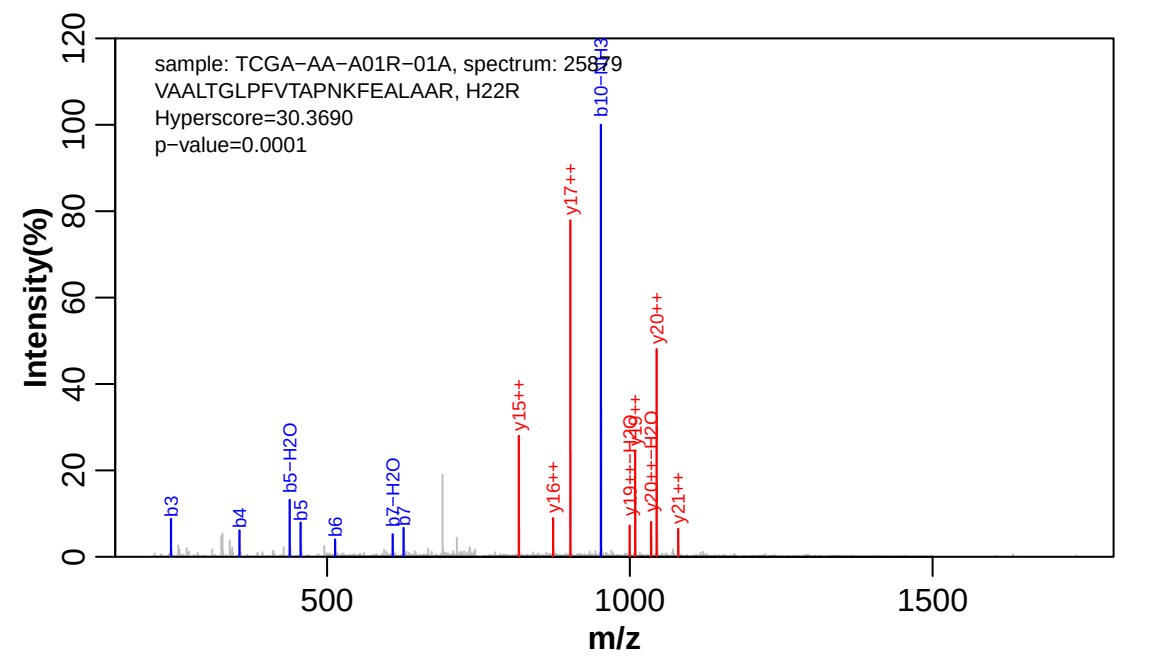

sample: TCGA−AA−A01R−01A, spectrum: 132947
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=102.5305
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

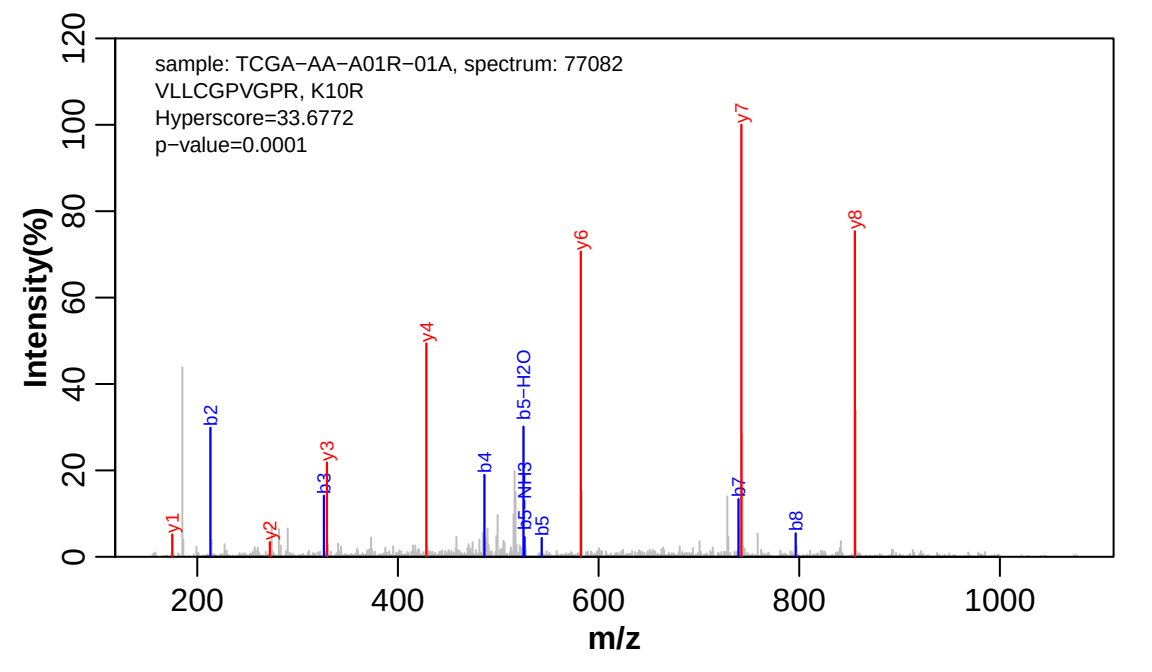

sample: TCGA−AA−A01R−01A, spectrum: 24616
TCSFDFTGAVEDLSK, G3S
Hyperscore=64.0403
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
b3
y4
b4−NH3
b4−H2O
y5
b5−H2O
b5
y6
b6−NH3
b6−H2O
b7
y8−H2O
y8
b7
b8−NH3
b8−H2O
y9
b8
b9−H2O
b9
y10−H2O
y10
b10
y11−H2O
y11
b11−NH3
b11−H2O
b11
y12
b12
y13−H2O
y13
b13−H2O
b13
b14

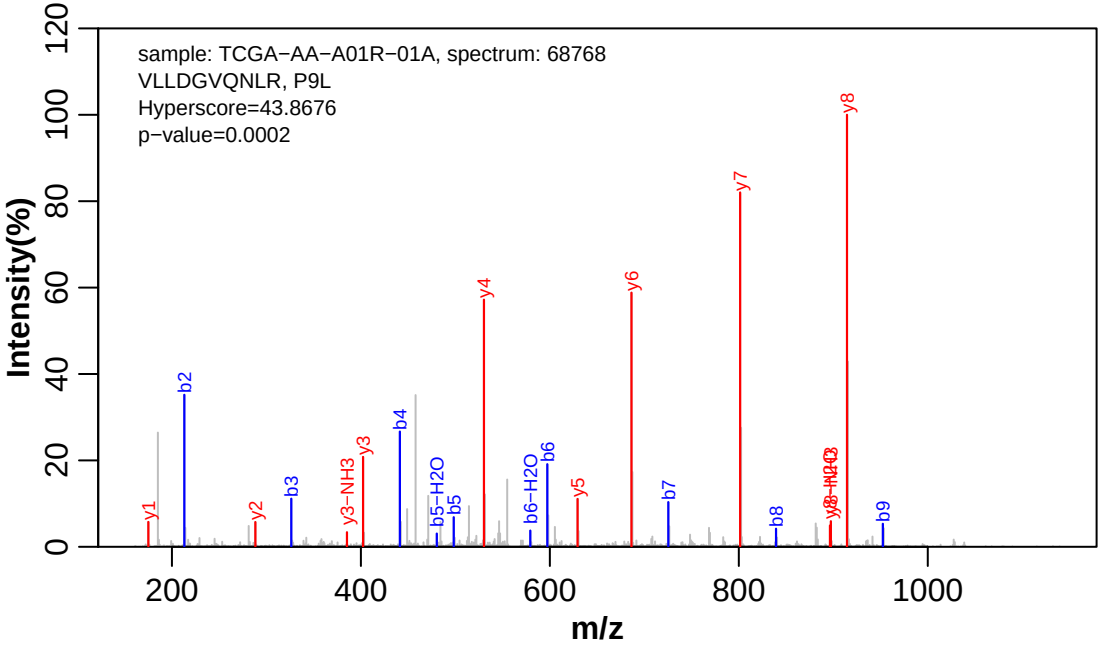

sample: TCGA−AA−A01R−01A, spectrum: 130998
TLSGGLAVNGPR, P7A
Hyperscore=47.4138
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
y3
b4−H2O
b5−H2O
b5
y4−NH3
y4
b6−H2O
b6
y5
b7−H2O
y6
y10
y8
b9
y9
b10
y10−NH3
b11

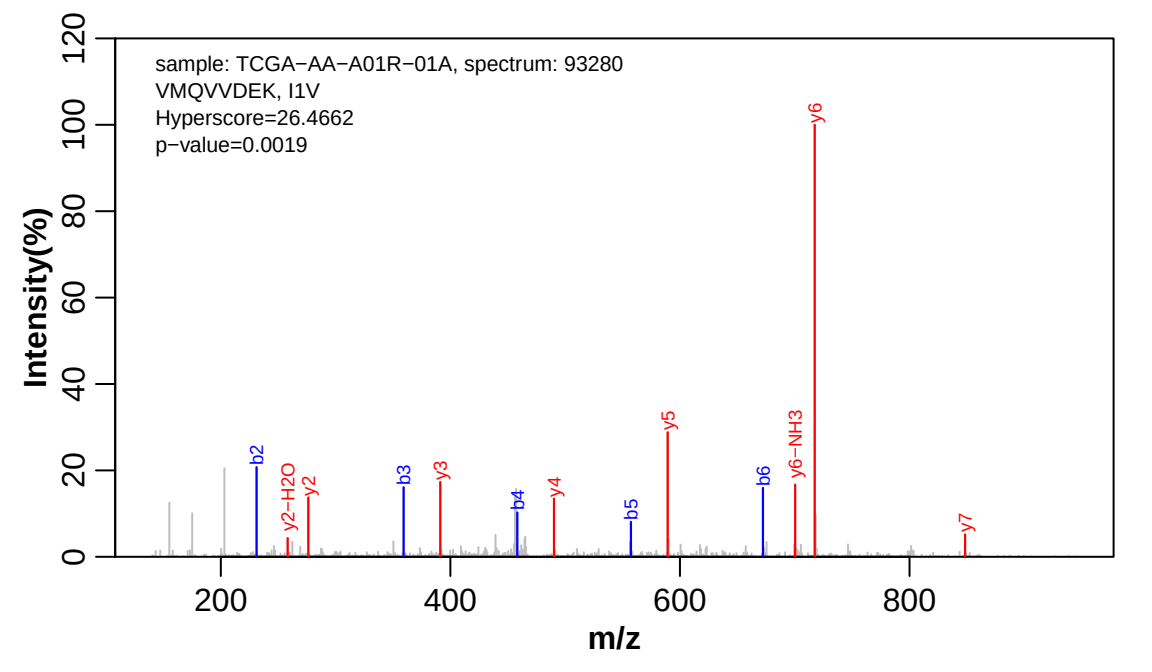

sample: TCGA−AA−A01R−01A, spectrum: 93649
TPEFYNR, M1T
Hyperscore=30.0420
p−value=0.0022
Intensity(%)
m/z
y1−H2O
b2−H2O
b2
y2−NH3
y2
b3−H2O
b3
y3−NH3
y3
b4
y4−H2O
y4
b5−NH3
b5
y5−NH3
y5−H2O
y5
b6
y6

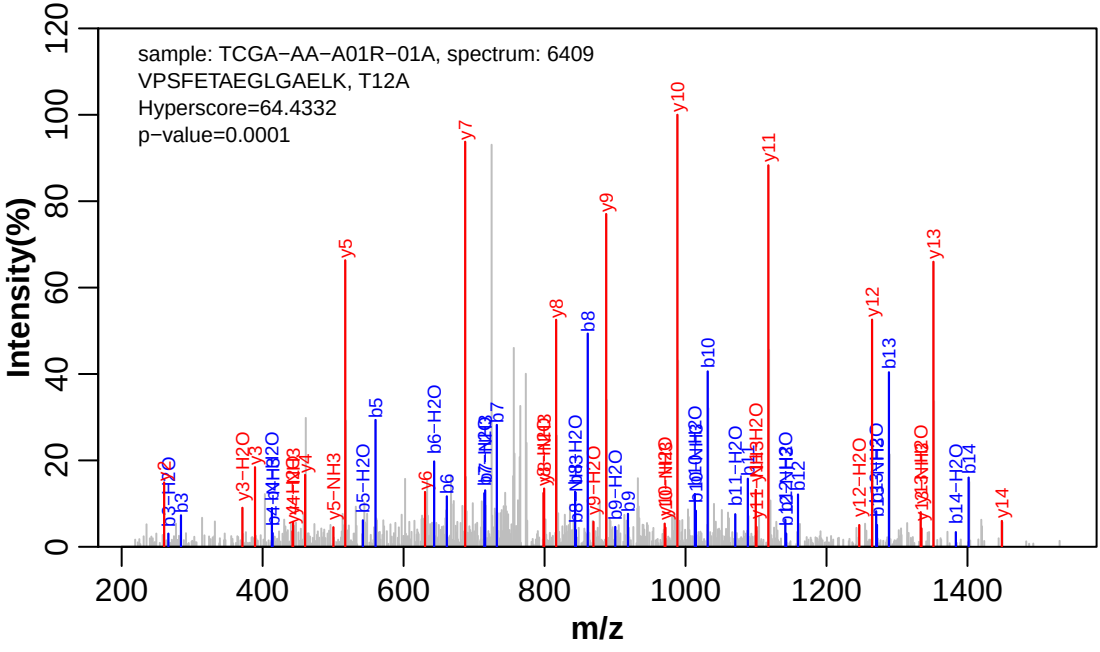

sample: TCGA−AA−A01R−01A, spectrum: 93421
TTPLEAASSGAR, T11A
Hyperscore=18.8782
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
y3
y4
y5
b5
y6
y7
b7−H2O
b7
y8
b8
b9
y10

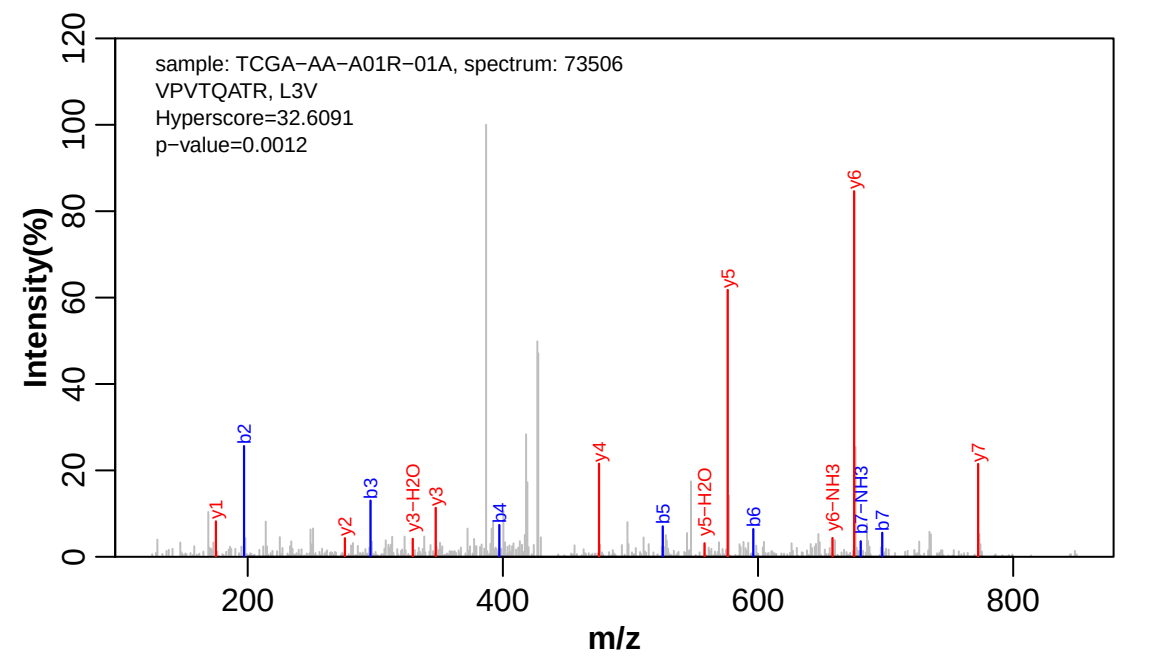

sample: TCGA−AA−A01R−01A, spectrum: 25879
VAALTGLPFVTAPNKFEALAAR, H22R
Hyperscore=30.3690
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b4
b5−H2O
b5
b6
b7−H2O
b7
b10−H3
y15++
y17++
y16++
y19++−H2O
y19++
y20++−H2O
y20++
y21++

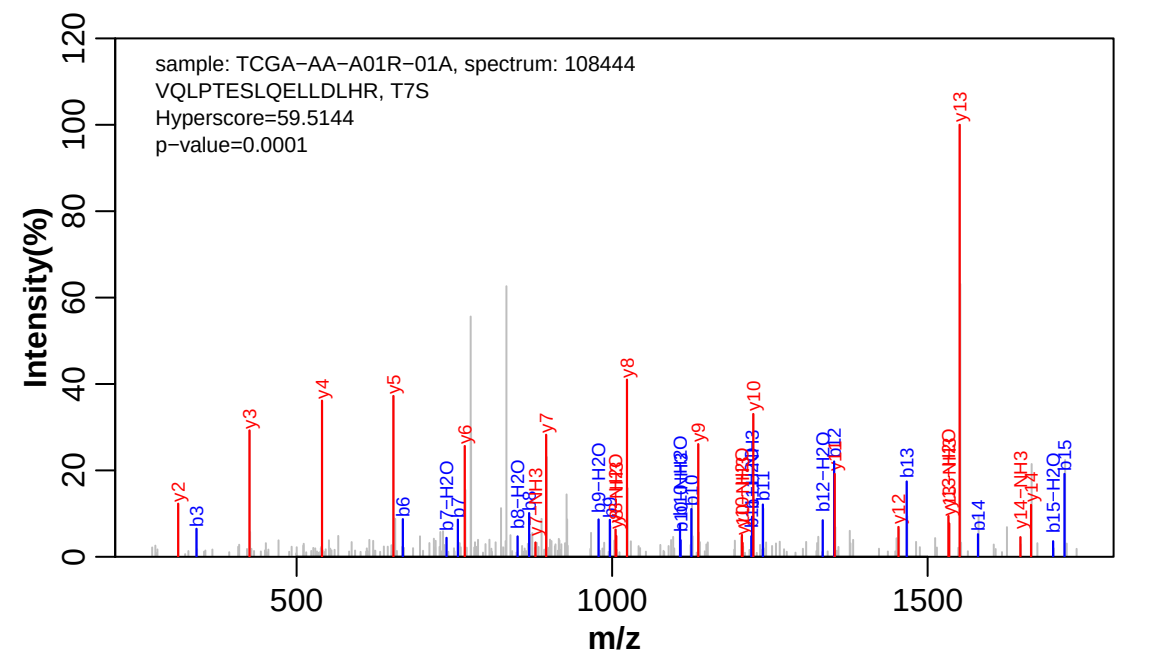

sample: TCGA−AA−A01R−01A, spectrum: 77082
VLLCGPVGPR, K10R
Hyperscore=33.6772
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y1
b2
y2
y3
b3
y4
b4
b5−H2O
b5−NH3
b5
y6
y7
b7
b8
y8

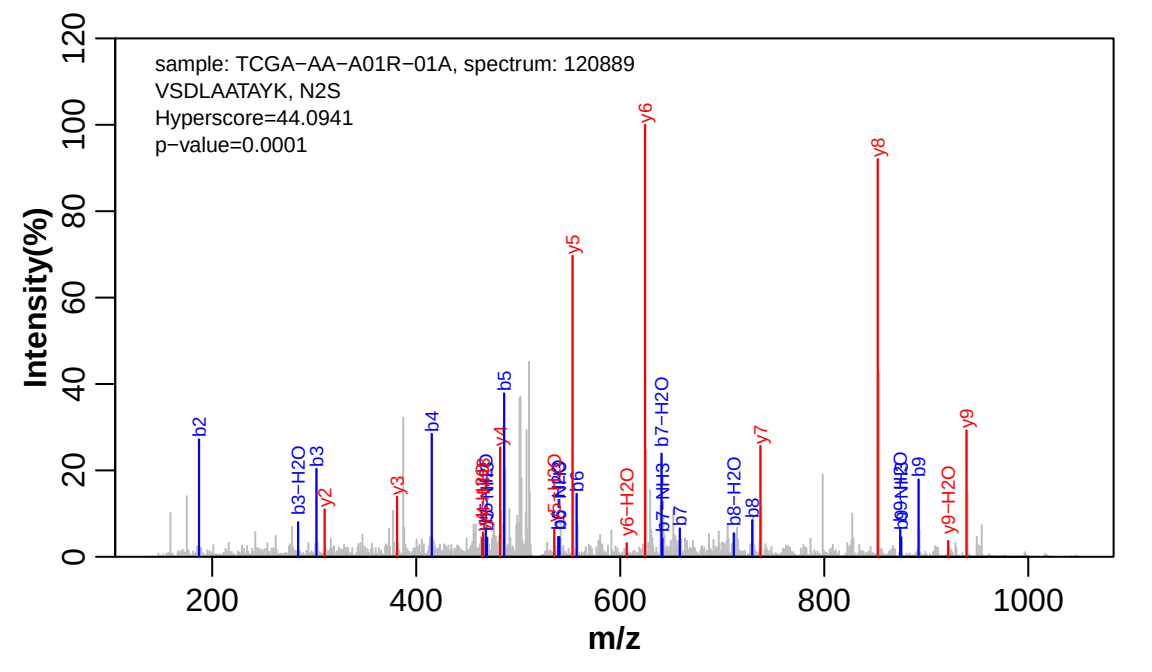

sample: TCGA−AA−A01R−01A, spectrum: 68768
VLLDGVQNLR, P9L
Hyperscore=43.8676
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3−NH3
y3
b4
b5−H2O
b5
y4
b6−H2O
b6
y5
y6
b7
b8
y7
y8
b9

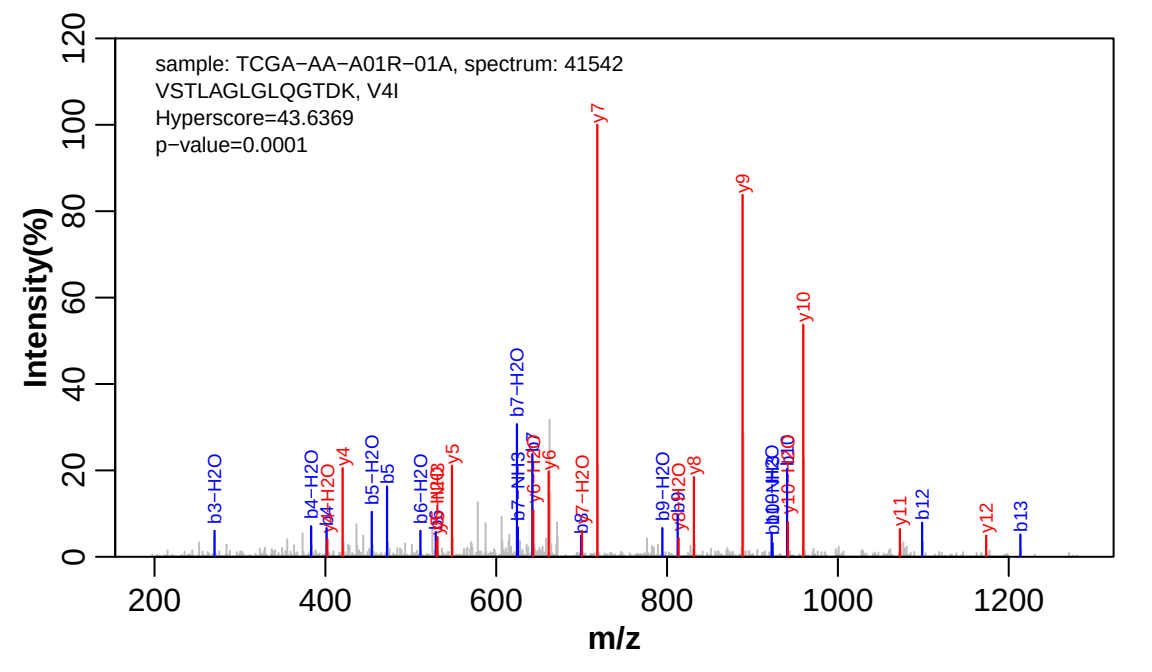

sample: TCGA−AA−A01R−01A, spectrum: 93280
VMQVVDEK, I1V
Hyperscore=26.4662
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2−H2O
y2
b3
y3
b4
y4
b5
y5
b6
y6−NH3
y6
y7

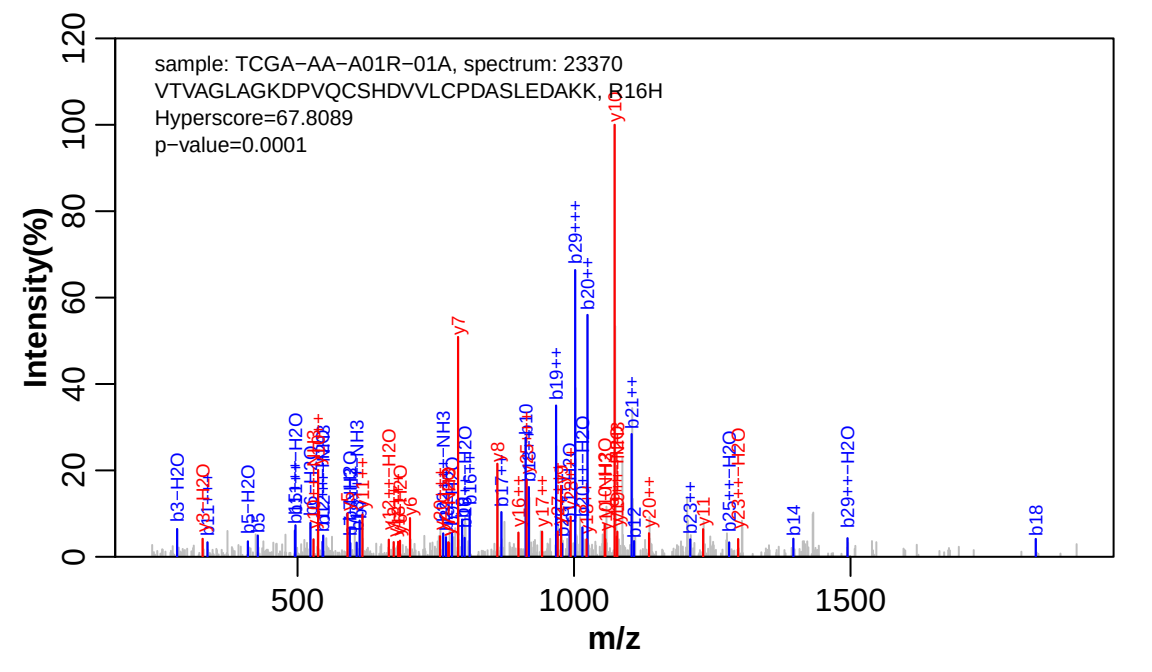

sample: TCGA−AA−A01R−01A, spectrum: 6409
VPSFETAEGLGAELK, T12A
Hyperscore=64.4332
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10
y7
y11
y5
y9
y8
y12
y13
y14
b8
b5
b10
b13
b6
b12
b14
b9
y6
y3
b3
b4
y4
y5−NH3
y3−H2O
b5−H2O
b6−H2O
b9−H2O
b11−H2O
b14−H2O
y12−H2O
y9−H2O

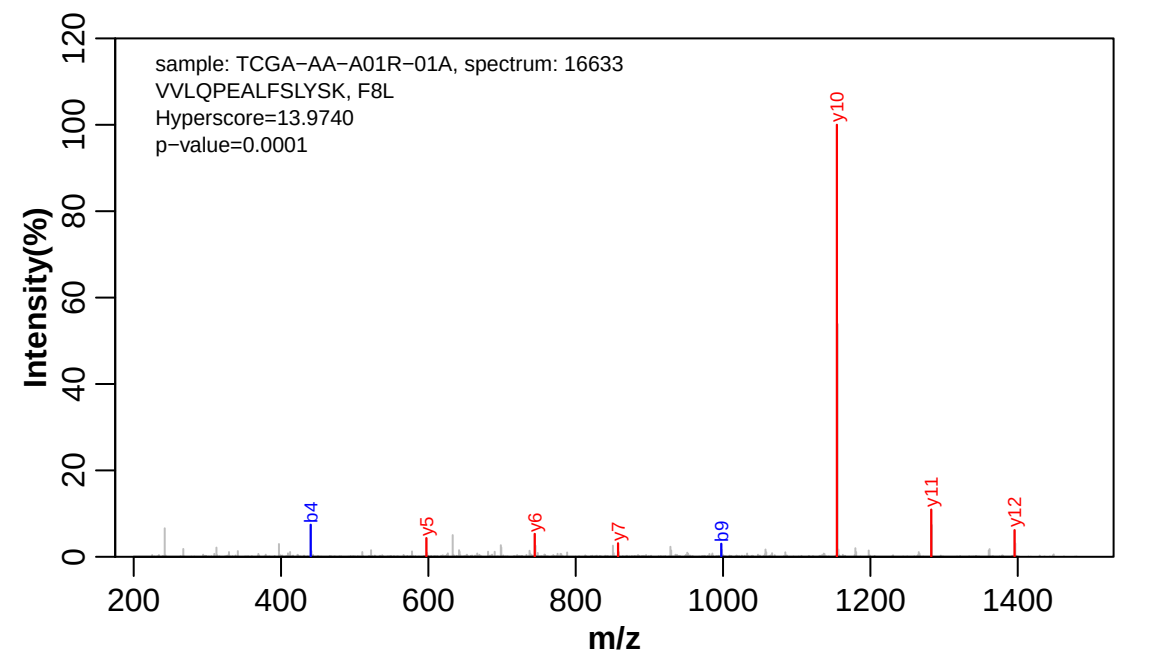

sample: TCGA−AA−A01R−01A, spectrum: 73506
VPVTQATR, L3V
Hyperscore=32.6091
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
b3
y3−H2O
y3
b4
y4
b5
y5−H2O
y5
b6
y6−NH3
b7−NH3
b7
y6
y7

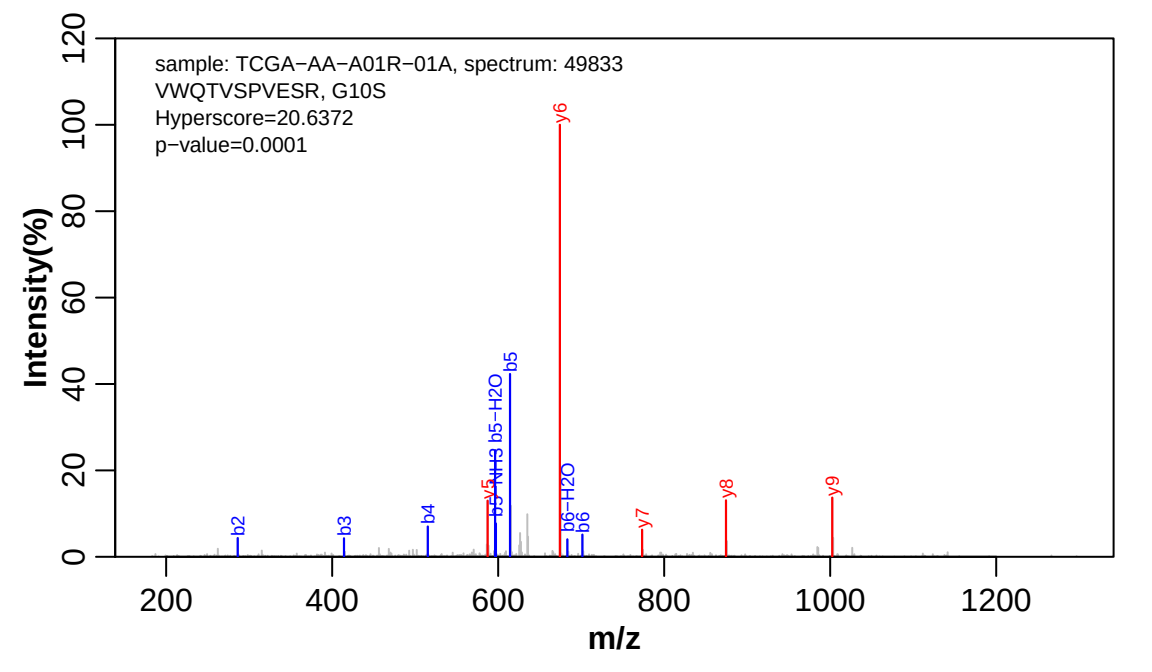

sample: TCGA−AA−A01R−01A, spectrum: 108444
VQLPTESLQELLDLHR, T7S
Hyperscore=59.5144
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
b3
y3
y4
b6
y5
b7−H2O
b7
y6
b8−H2O
b8
y7−NH3
y7
b9−H2O
y8
y9
b10−H2O
b10
y10
b11
b12−H2O
y11
b12
b13
y12
y13−NH3
y13
b14
y14−NH3
y14
b15−H2O
b15

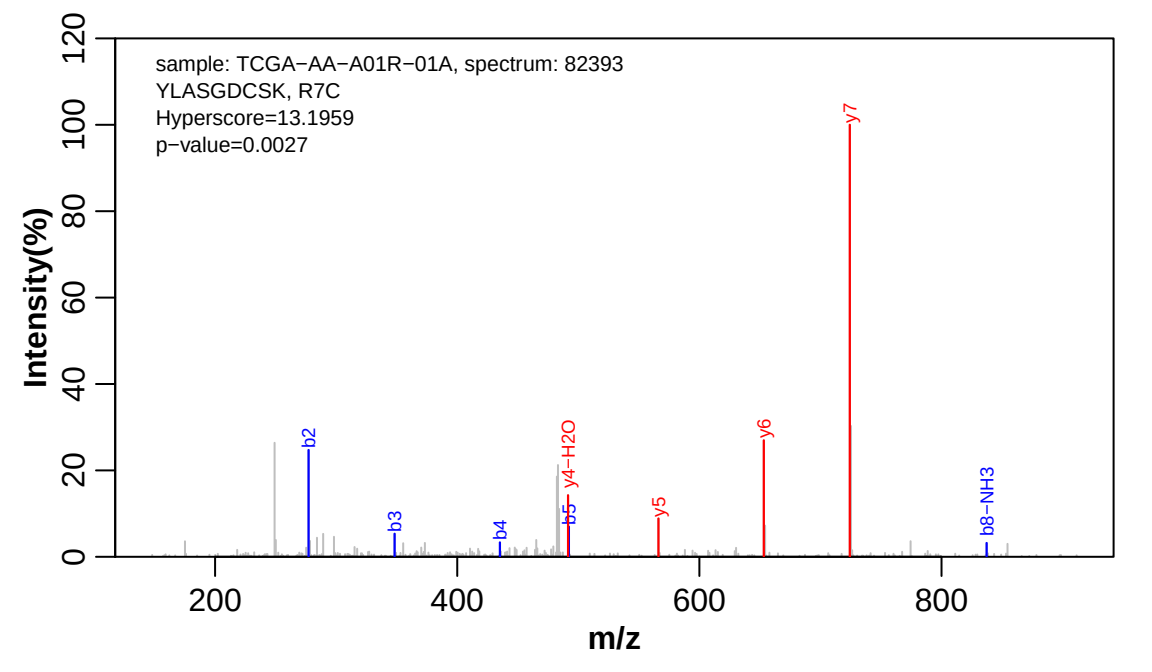

sample: TCGA−AA−A01R−01A, spectrum: 120889
VSDLAATAYK, N2S
Hyperscore=44.0941
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4
b5
y4
y5
b6
y6−H2O
y6
b7−NH3
b7−H2O
b7
b8−H2O
b8
y7
y8
b9
y9−H2O
y9

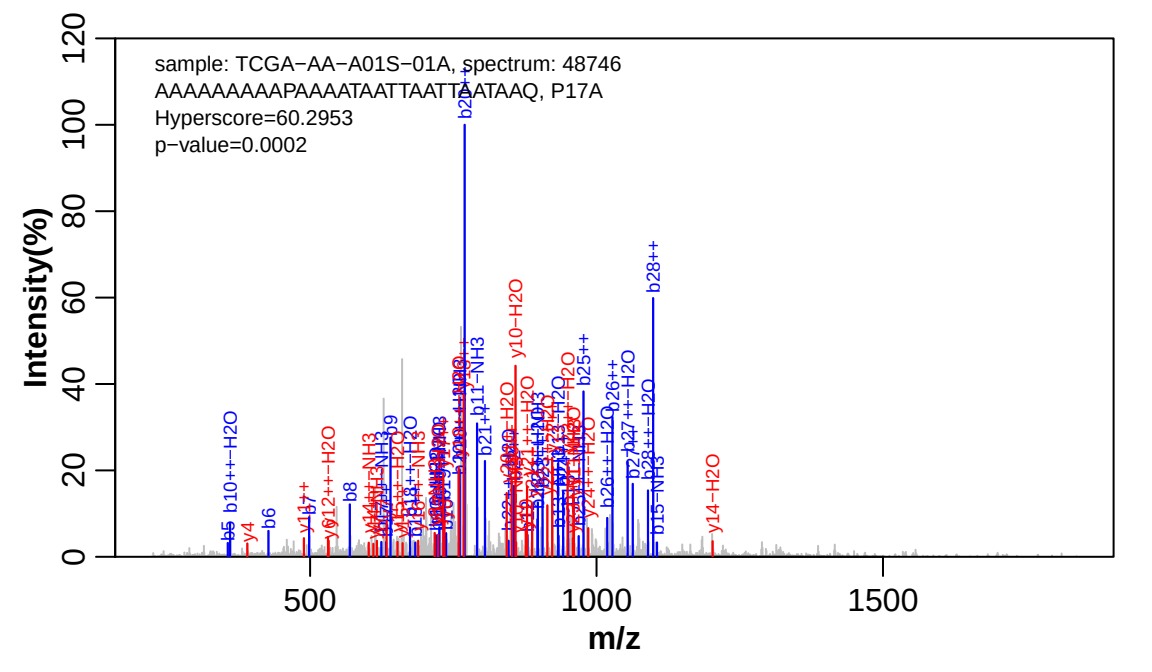

sample: TCGA−AA−A01R−01A, spectrum: 41542
VSTLAGLGLQGTDK, V4I
Hyperscore=43.6369
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b4−H2O
y4
b5−H2O
b5
b6−H2O
y5
b7−NH3
b7−H2O
y6
y7
b8−H2O
y8
b9−H2O
y9
y10
b12
y11
y12
b13

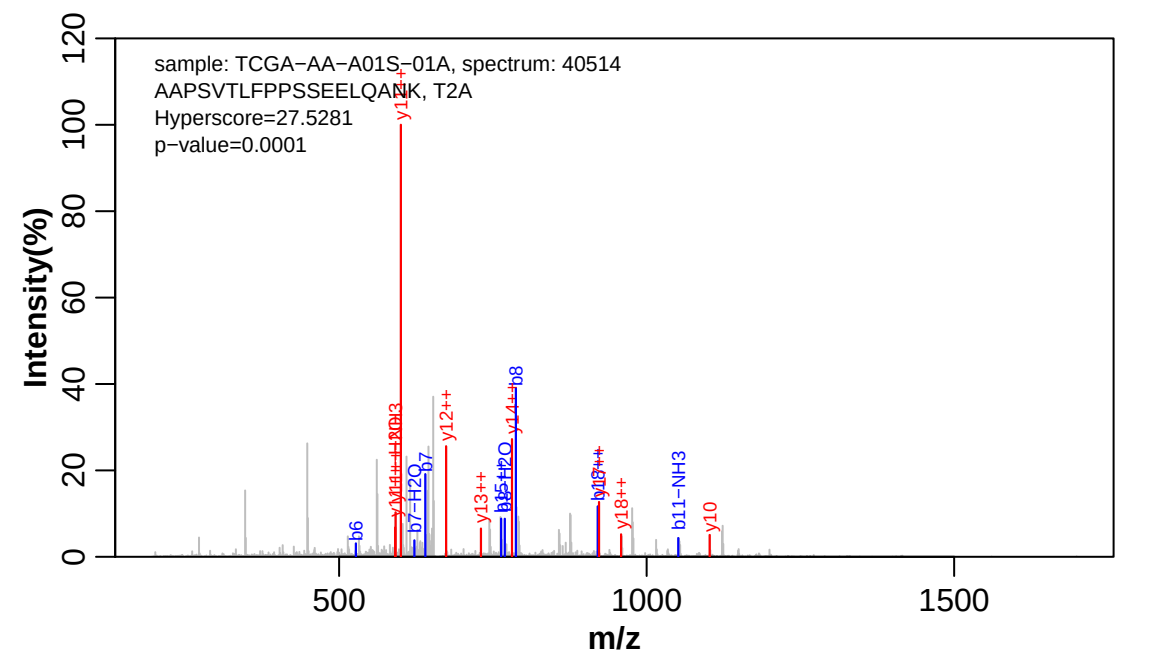

sample: TCGA−AA−A01R−01A, spectrum: 23370
VTVAGLAGKDPVQCSHDVVLCPDASLEDAKK, R16H
Hyperscore=67.8089
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y10
y7
b29+++
b20++
b19++
b21++
b3−H2O
b5−H2O
b18

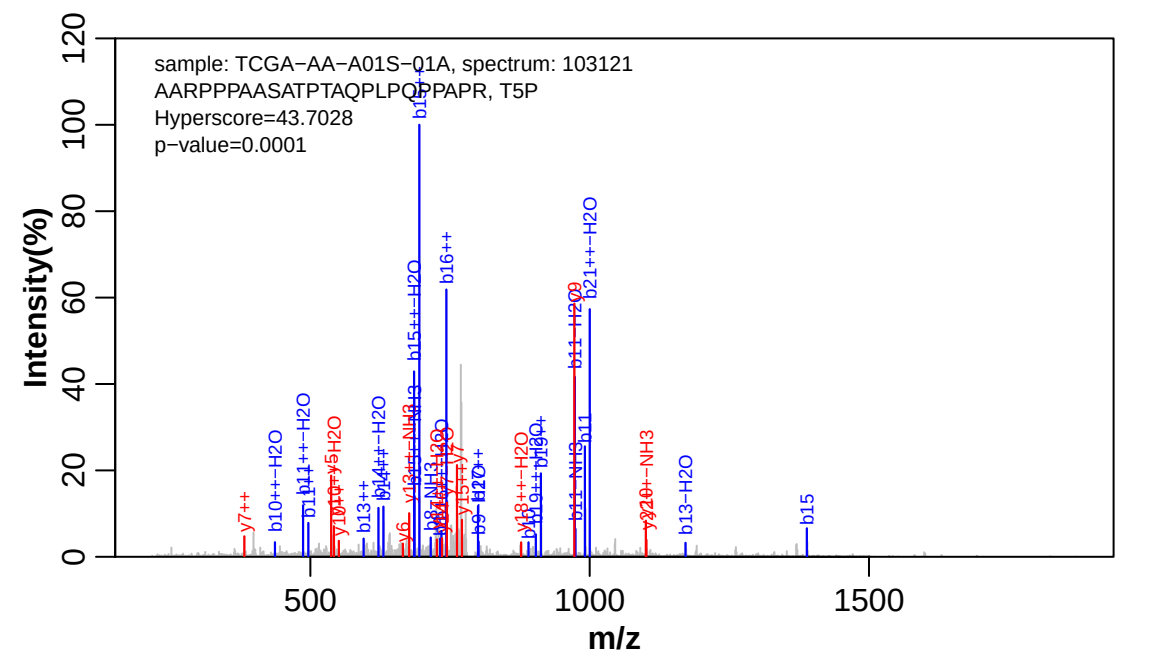

sample: TCGA−AA−A01R−01A, spectrum: 16633
VVLQPEALFSLYSK, F8L
Hyperscore=13.9740
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
b4
y5
y6
y7
b9
y10
y11
y12

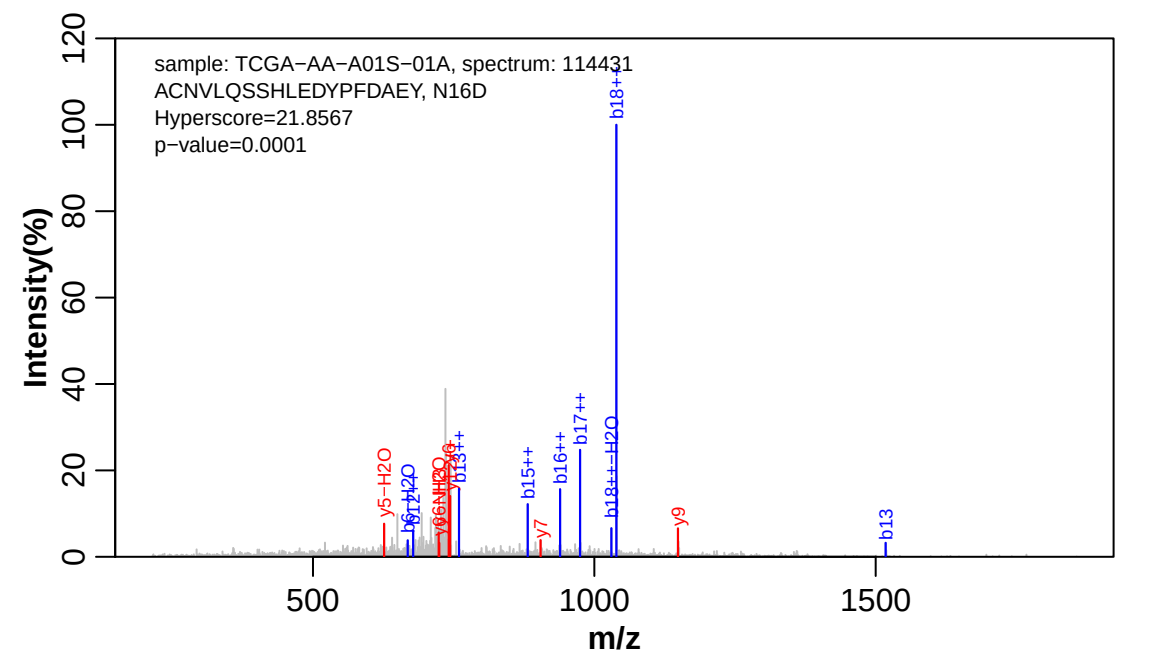

sample: TCGA−AA−A01R−01A, spectrum: 49833
VWQTVSPVESR, G10S
Hyperscore=20.6372
p−value=0.0001
Intensity(%)
m/z
y6
b5
b5−H2O
b5−NH3
y5
b6−H2O
b6
y7
y8
y9
b2
b3
b4

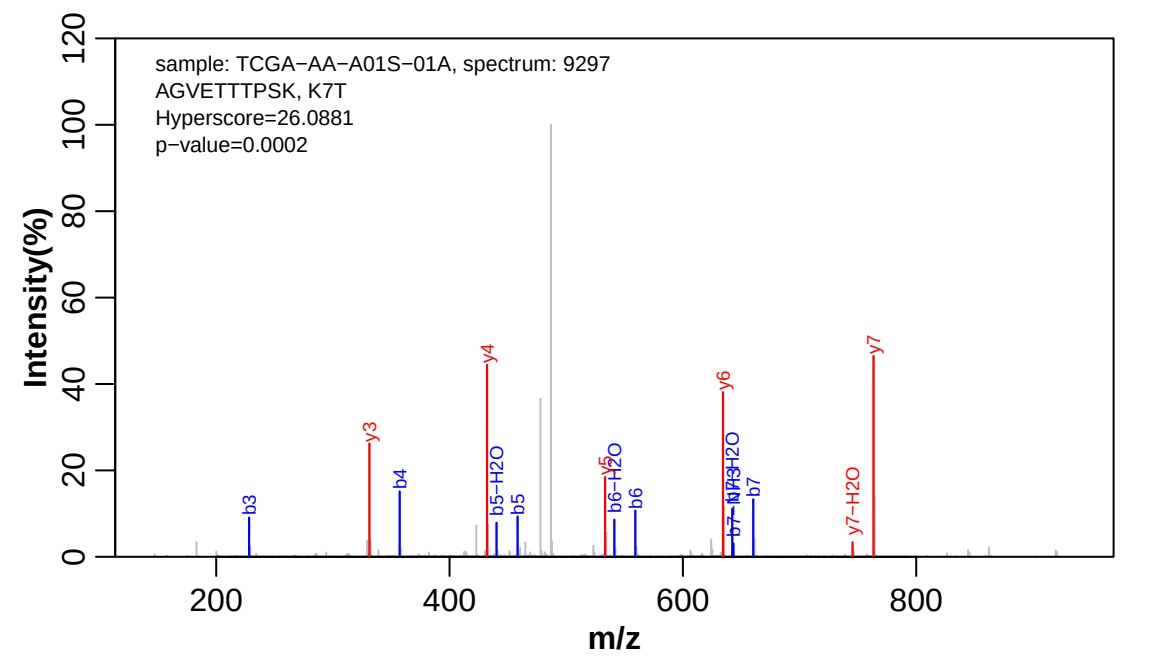

sample: TCGA−AA−A01R−01A, spectrum: 82393
YLASGDCSK, R7C
Hyperscore=13.1959
p−value=0.0027
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
b4
b5
y4−H2O
y5
y6
y7
b8−NH3

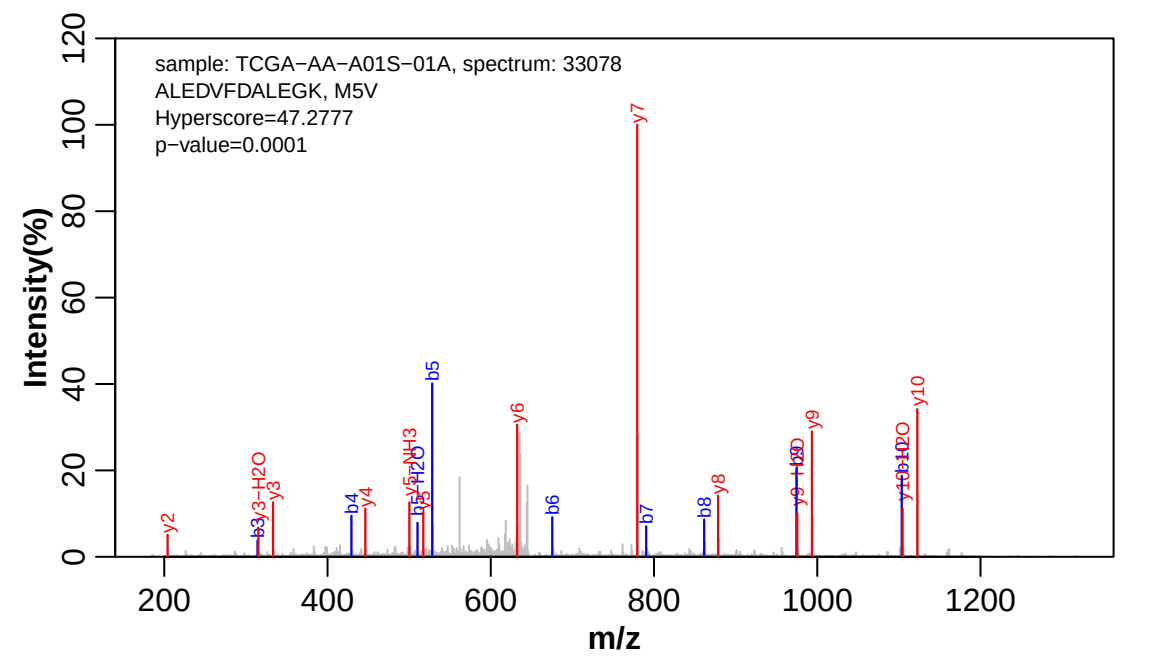

sample: TCGA−AA−A01S−01A, spectrum: 48746
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=60.2953
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2++
b10++−H2O
y10−H2O
b28++
b11−NH3
b25++
b26++
y14−H2O
b6
y4
b8
y12++−H2O
b27++−H2O
b15−NH3
b28++−H2O

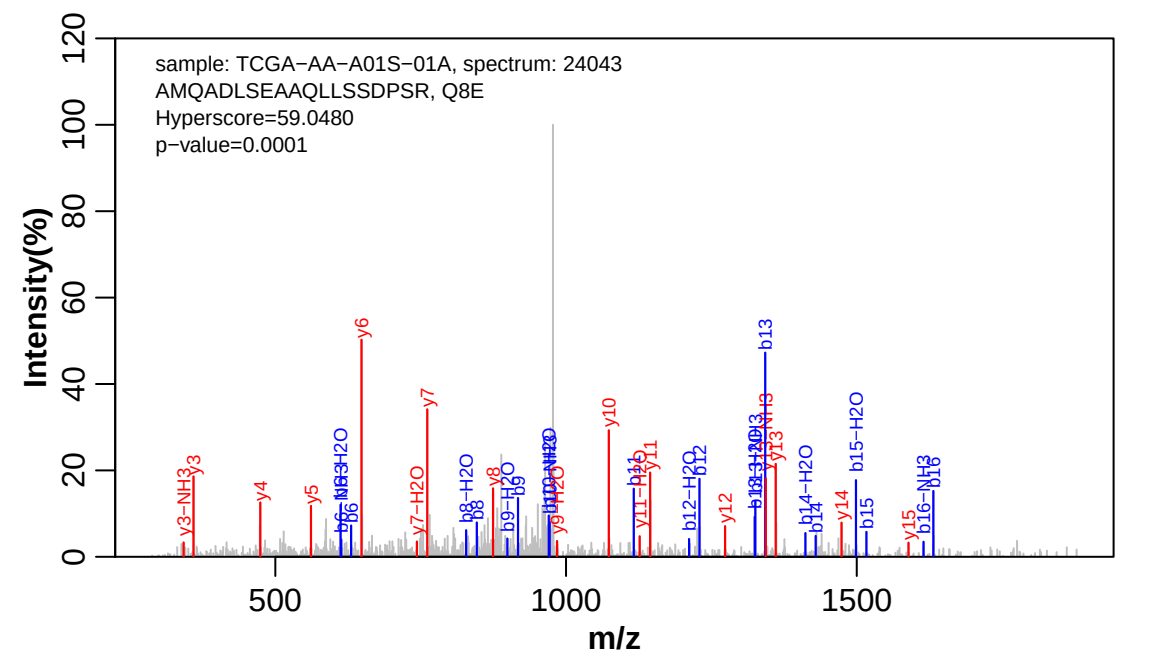

sample: TCGA−AA−A01S−01A, spectrum: 40514
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=27.5281
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
y12++
y13++
y18++
b6
b7−H2O
b7
b8
b11−NH3
y10

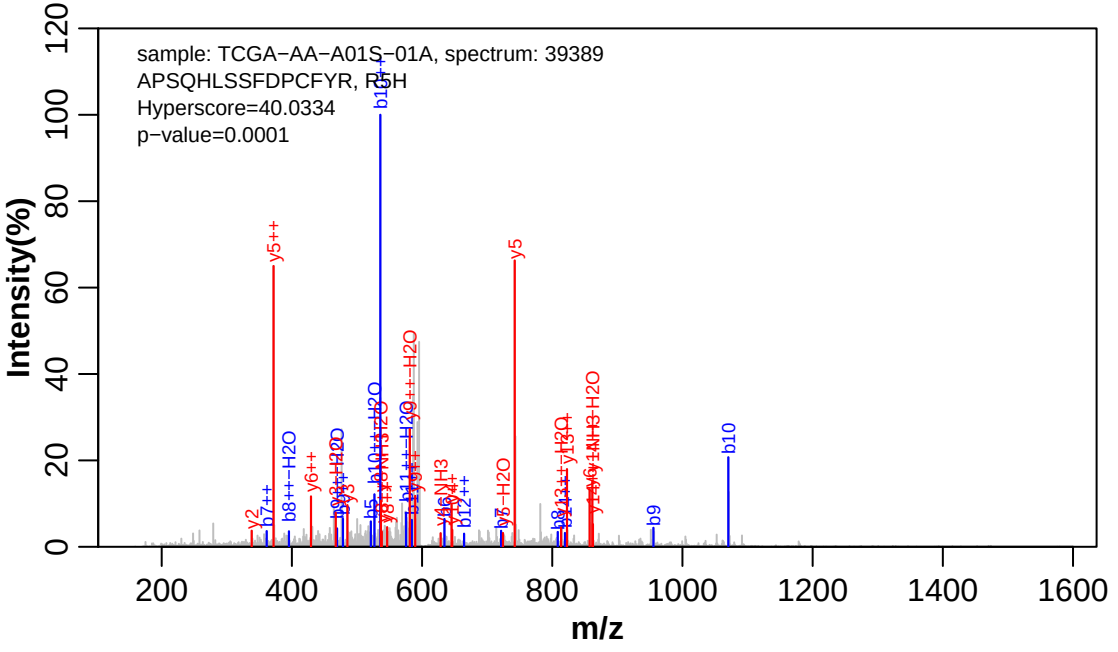

sample: TCGA−AA−A01S−01A, spectrum: 103121
AARPPPAASATPTAQPLPQPPAPR, T5P
Hyperscore=43.7028
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7++
b10++−H2O
b11++−H2O
b13++
b14++−H2O
b15++−H2O
b16++
b11−NH3
b11
b21++−H2O
y21++−NH3
b13−H2O
b15

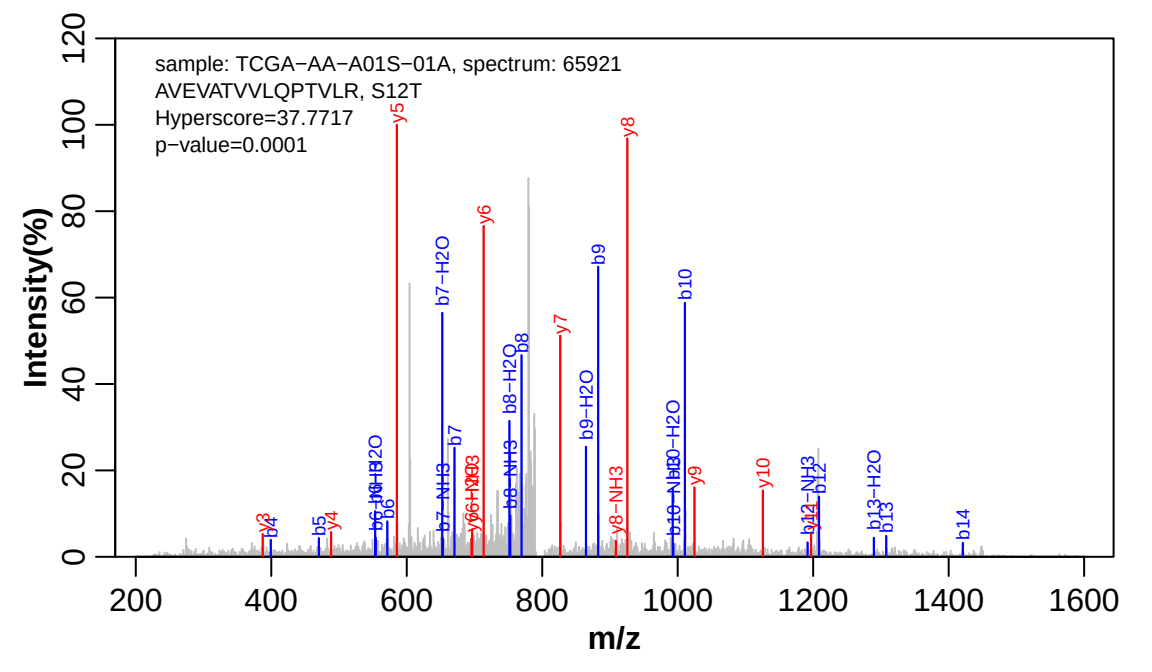

sample: TCGA−AA−A01S−01A, spectrum: 114431
ACNVLQSSHLEDYPFDAEY, N16D
Hyperscore=21.8567
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b18++
y5−H2O
b15++
y7
b16++
b17++
b18++−H2O
y9
b13

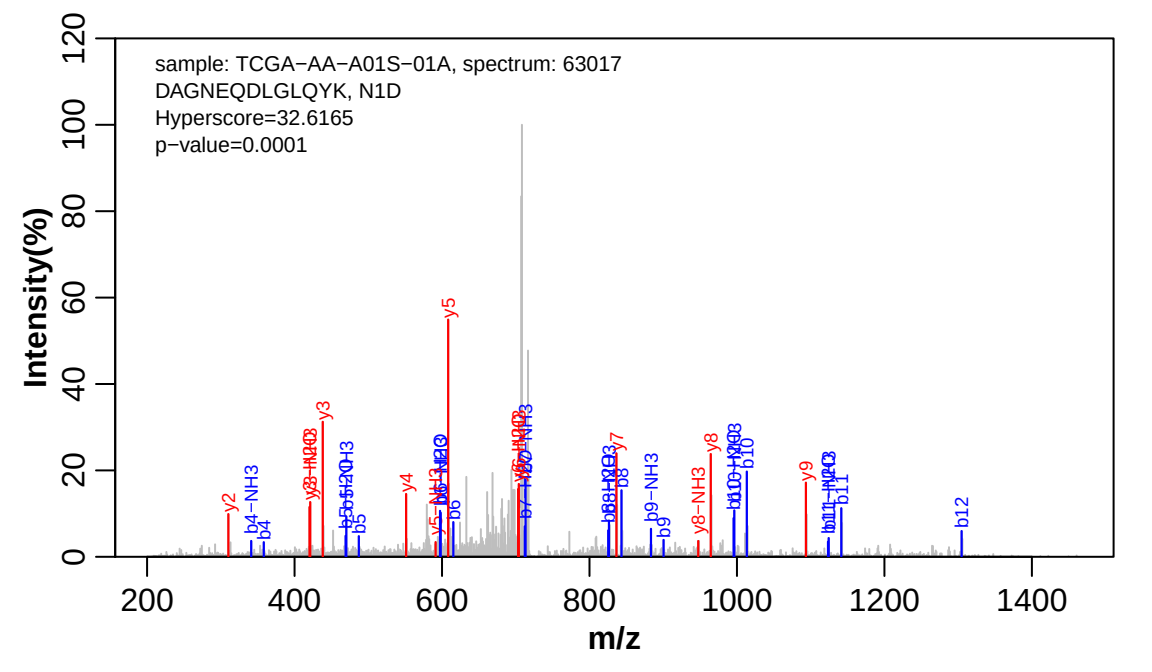

sample: TCGA−AA−A01S−01A, spectrum: 9297
AGVETTTPSK, K7T
Hyperscore=26.0881
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y7−H2O

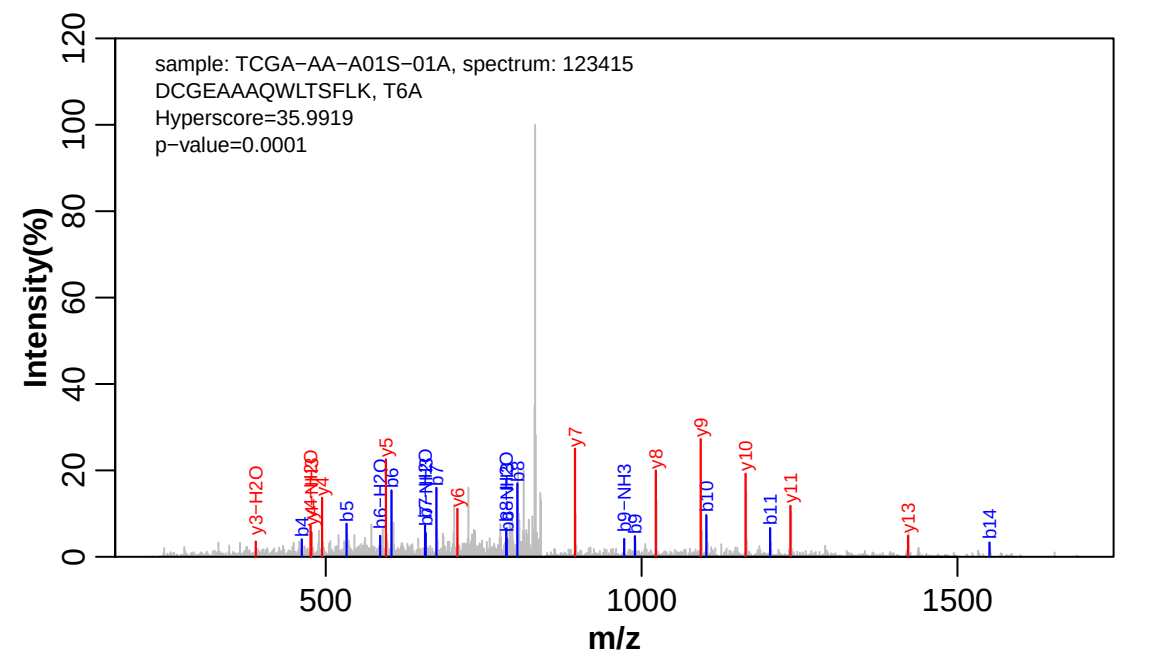

sample: TCGA−AA−A01S−01A, spectrum: 33078
ALEDVFDALEGK, M5V
Hyperscore=47.2777
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3−H2O
y3
b4
y4
b5
y5−NH3
y5−H2O
y5
b6
y6
y7
b7
b8
y8
y9−H2O
y9
y10−H2O
y10

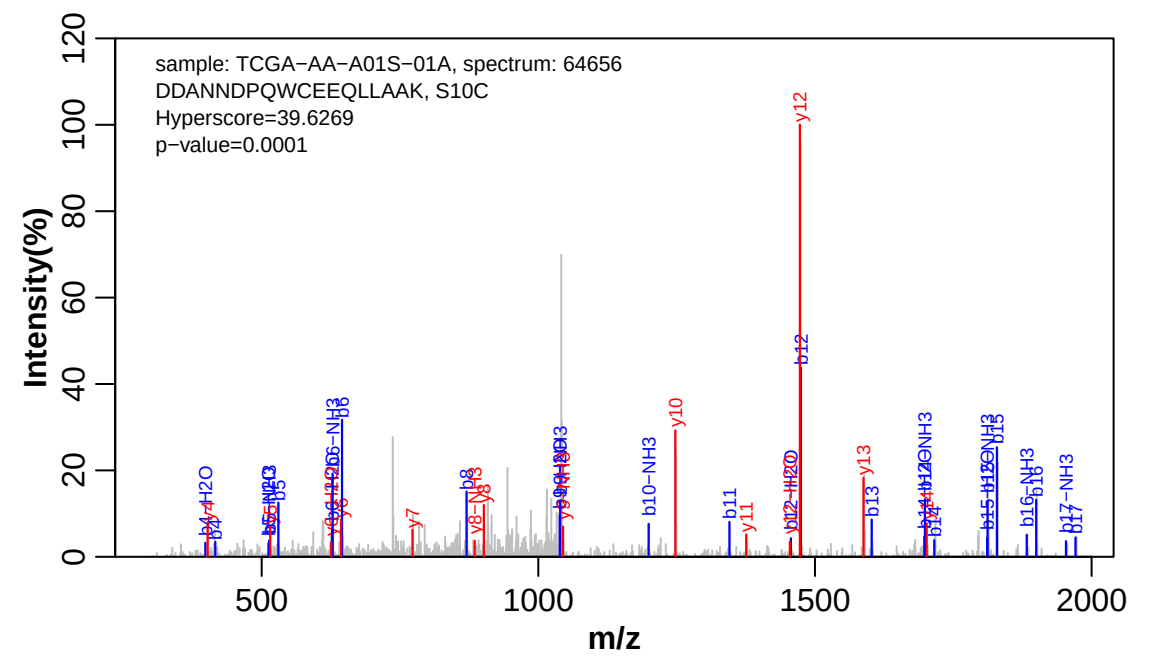

sample: TCGA−AA−A01S−01A, spectrum: 24043
AMQADLSEAAQLLSSDPSR, Q8E
Hyperscore=59.0480
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3−NH3
y3
y4
y5
y6
y7
y7−H2O
b8−H2O
y8
b9−H2O
b9
y10
y11−H2O
y11
b12−H2O
b12
y12
b13
y13
b14−H2O
y14
b15−H2O
b15
y15
b16−NH3
b16

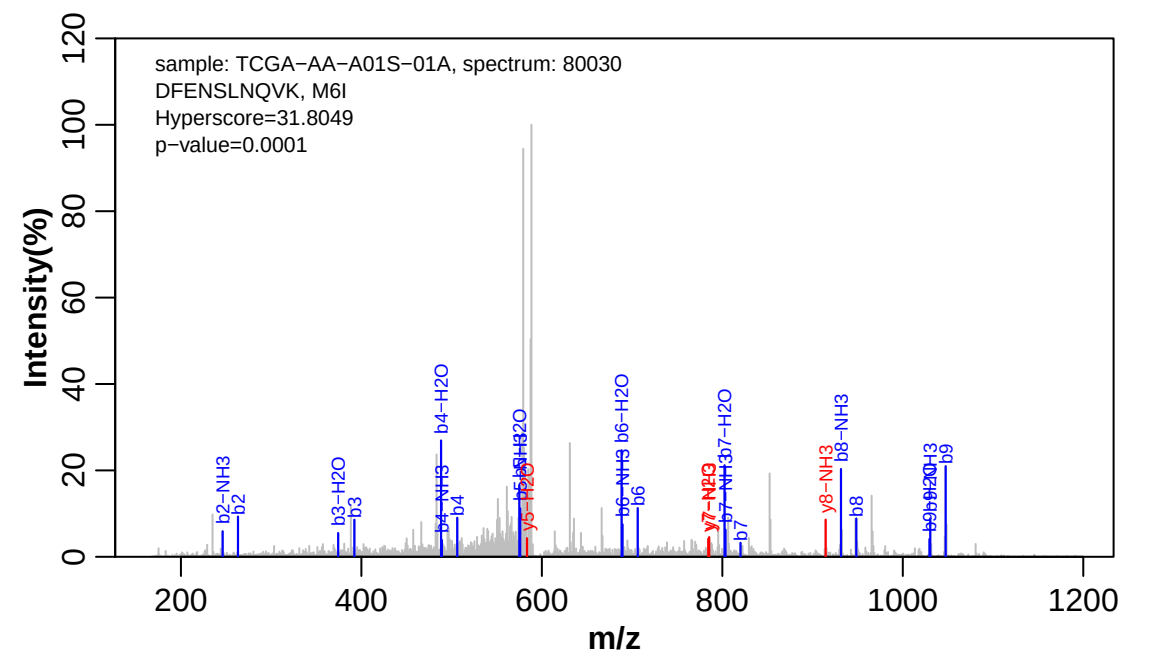

sample: TCGA−AA−A01S−01A, spectrum: 39389
APSQHLSSFDPCFYR, RSH
Hyperscore=40.0334
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b10++
y5++
y5
y2
b7++
b8++−H2O
y6++
b10
b9
b12++
b7−H2O

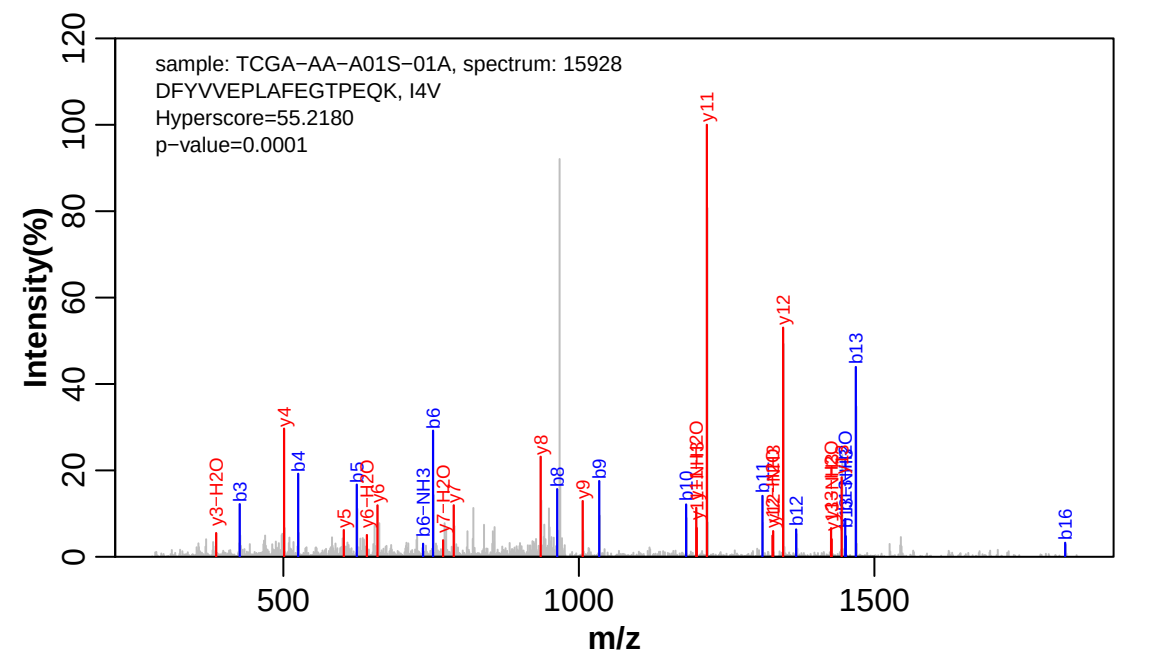

sample: TCGA−AA−A01S−01A, spectrum: 65921
AVEVATVVLQPTVLR, S12T
Hyperscore=37.7717
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y8
y6
b7−H2O
b9
b10
y7
b8
b8−H2O
b9−H2O
b7
b7−NH3
b8−NH3
y8−NH3
y10
y9
b12
b13−H2O
b13
b14
y3
b4
b5
y4
b6

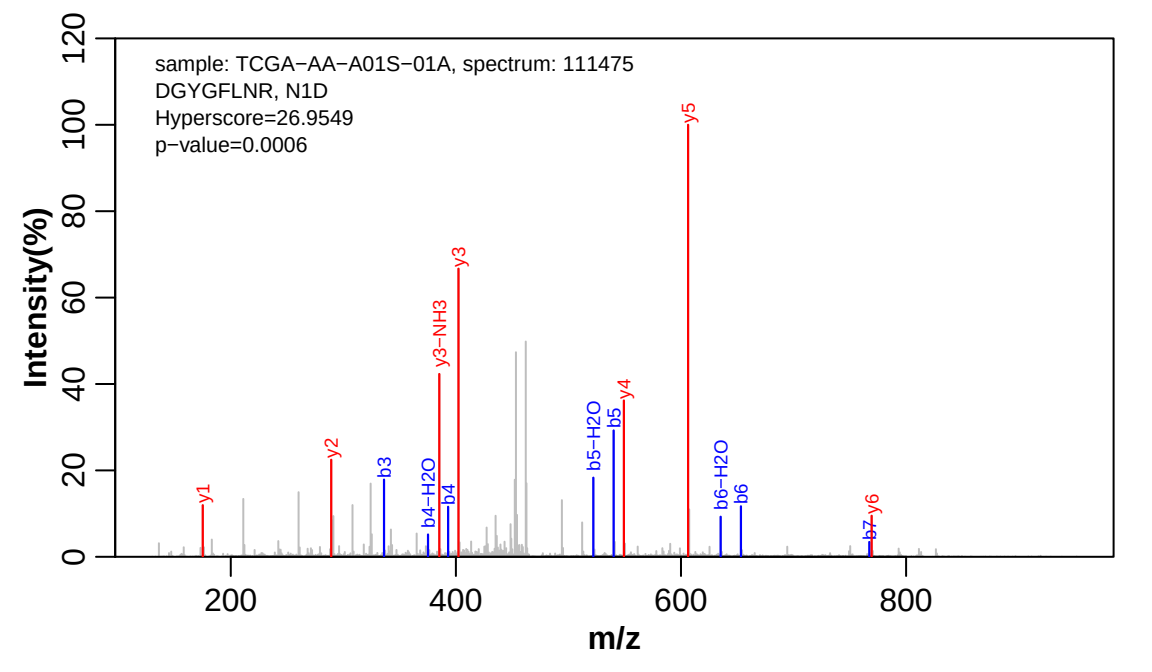

sample: TCGA−AA−A01S−01A, spectrum: 63017
DAGNEQDLGLQYK, N1D
Hyperscore=32.6165
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−NH3
b4
y3
y4
y5
b5
b6
y7
b8
b9−NH3
b9
y8−NH3
y8
b10
y9
b11
b12

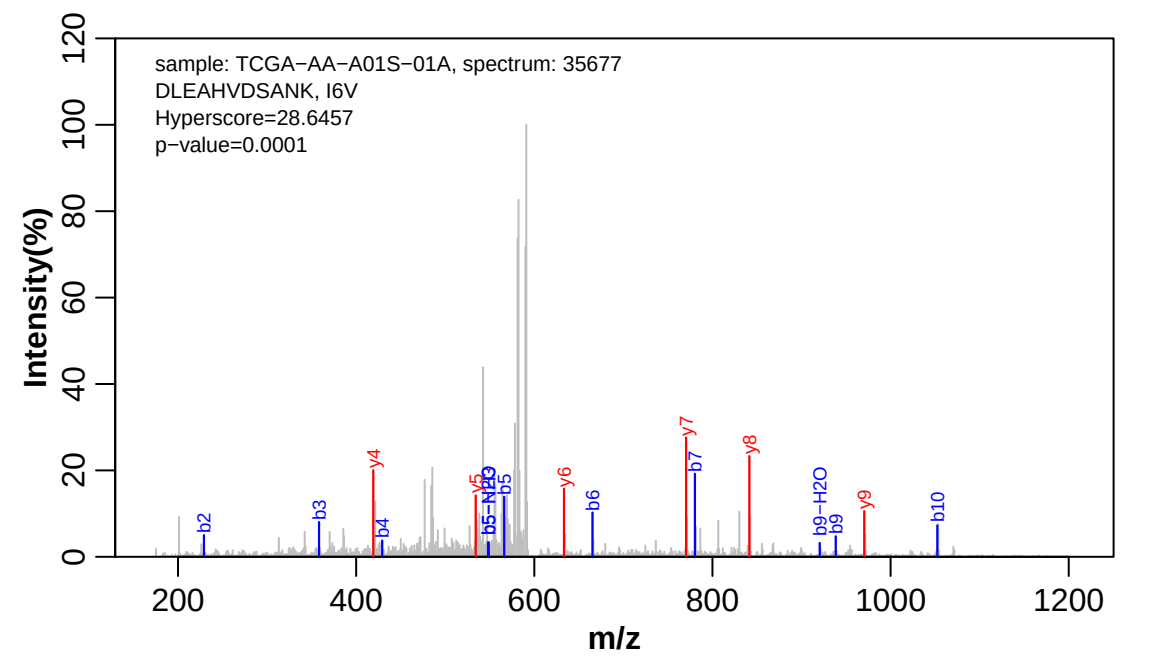

sample: TCGA−AA−A01S−01A, spectrum: 123415
DCGEAAAQWLTSFLK, T6A
Hyperscore=35.9919
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3−H2O
b4
y4
b5
b6−H2O
y5
b6
b7
y6
b8
y7
b9−NH3
b9
y8
y9
b10
y10
b11
y11
y13
b14

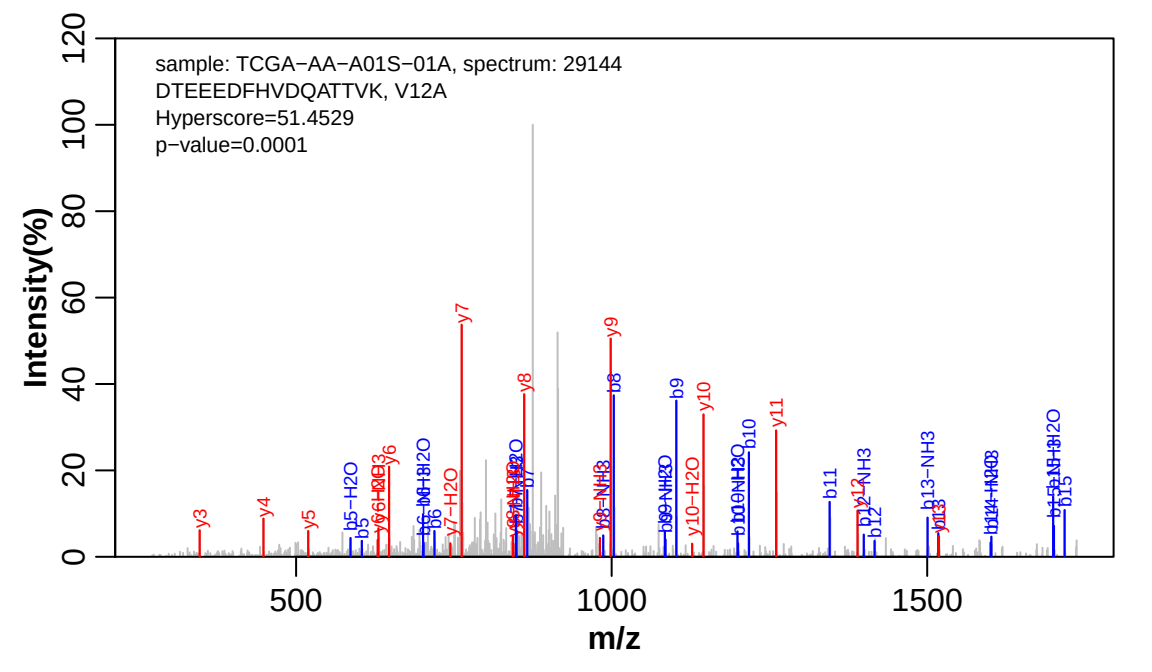

sample: TCGA−AA−A01S−01A, spectrum: 64656
DDANNDPQWCEEQLLAAK, S10C
Hyperscore=39.6269
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
b12
y10
y13
b10−NH3
b11
y11
b13
y7
y8−NH3
b8
b4−H2O
b4
b5
b16−NH3
b17−NH3

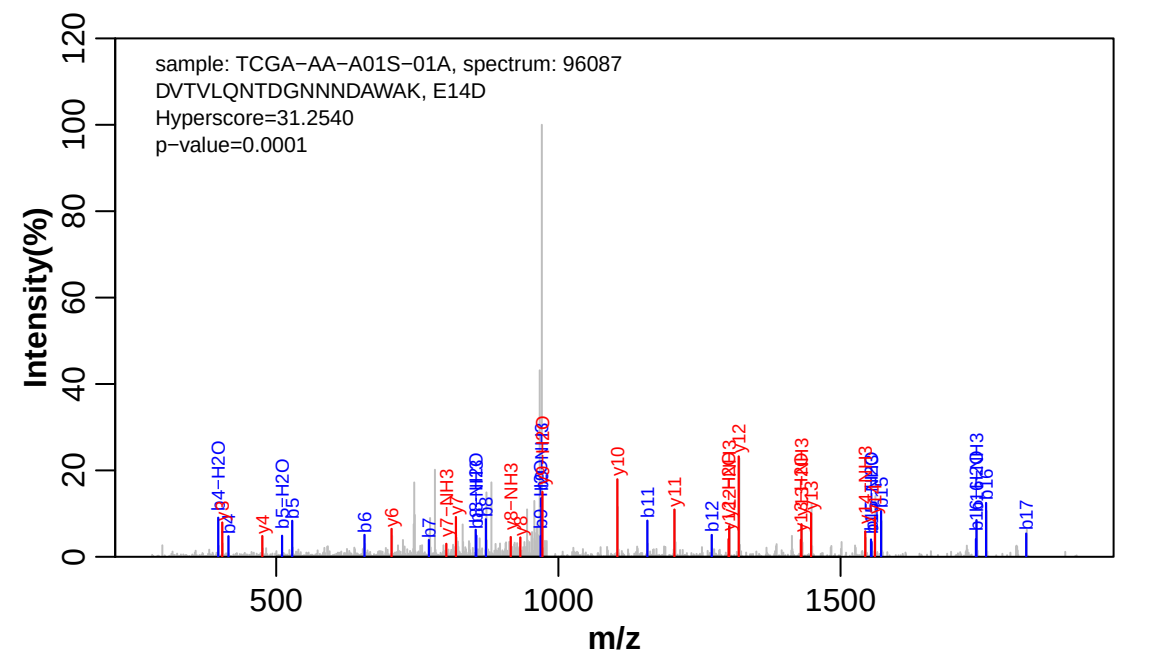

sample: TCGA−AA−A01S−01A, spectrum: 80030
DFENSLNQVK, M6I
Hyperscore=31.8049
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−NH3
b2
b3−H2O
b3
b4−H2O
b4−NH3
b4
y5−H2O
b6−NH3
b6−H2O
b6
y7−H2O
y7−NH3
b7−NH3
b7−H2O
b7
y8−NH3
b8−NH3
b8
b9−H2O
b9−NH3
b9

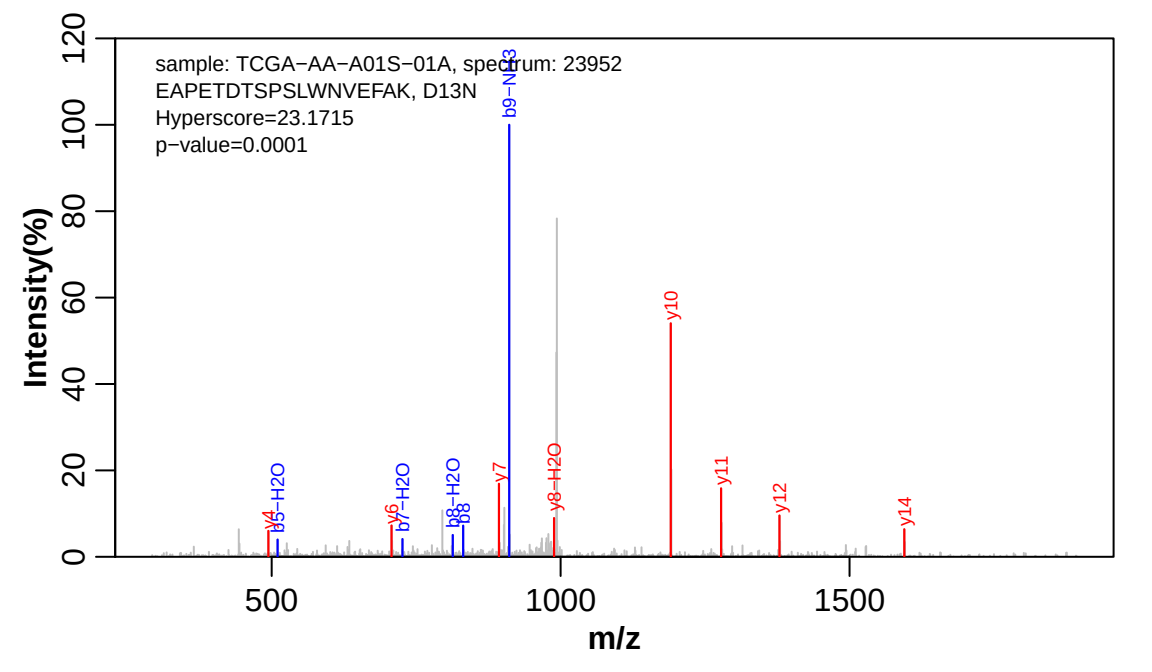

sample: TCGA−AA−A01S−01A, spectrum: 15928
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=55.2180
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11
y12
b13
y4
b6
y8
b4
b8
b9
y9
b10
b11
b12
b16
y3−H2O
b3
y5
b5
y6−H2O
y6
b6−NH3
y7−H2O
y7

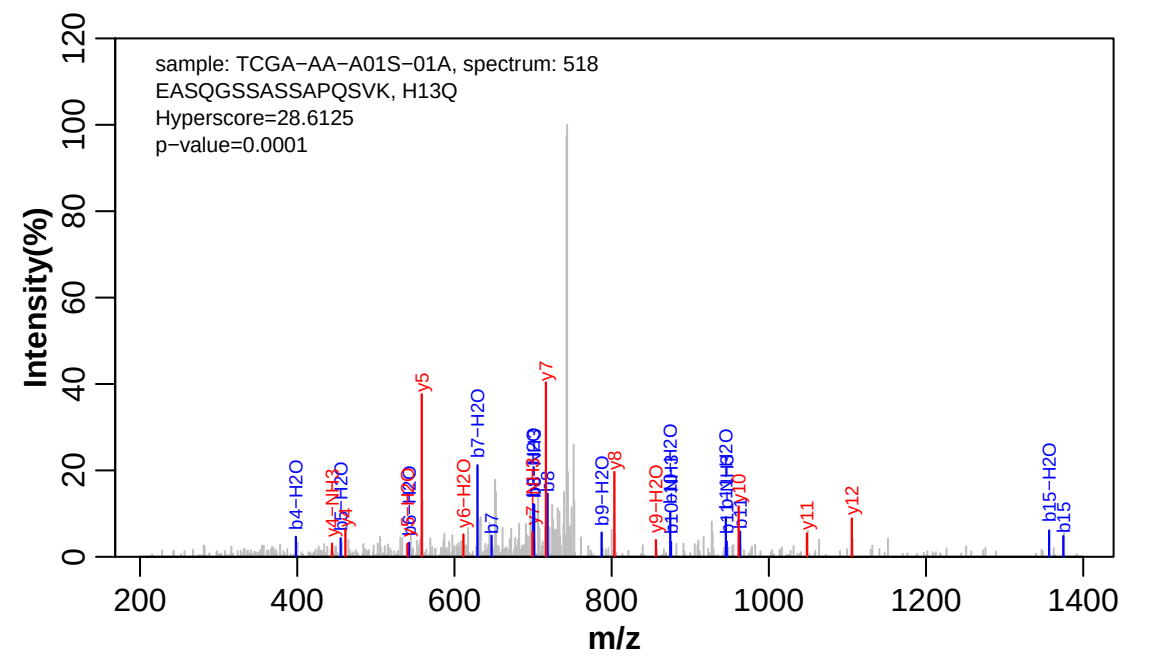

sample: TCGA−AA−A01S−01A, spectrum: 111475
DGYGFLNR, N1D
Hyperscore=26.9549
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3
b4−H2O
y3−NH3
b4
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

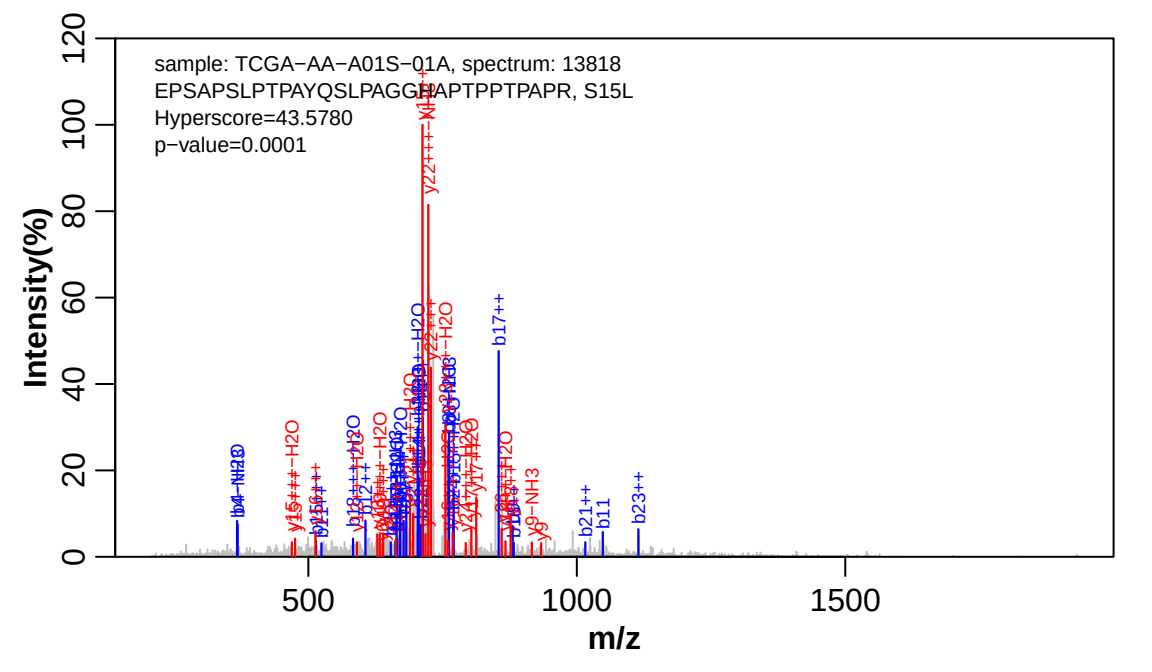

sample: TCGA−AA−A01S−01A, spectrum: 35677
DLEAHVDSANK, I6V
Hyperscore=28.6457
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b3
y4
b4
y5
b5−NH3
b5
y6
b6
y7
b7
y8
b9−H2O
b9
y9
b10

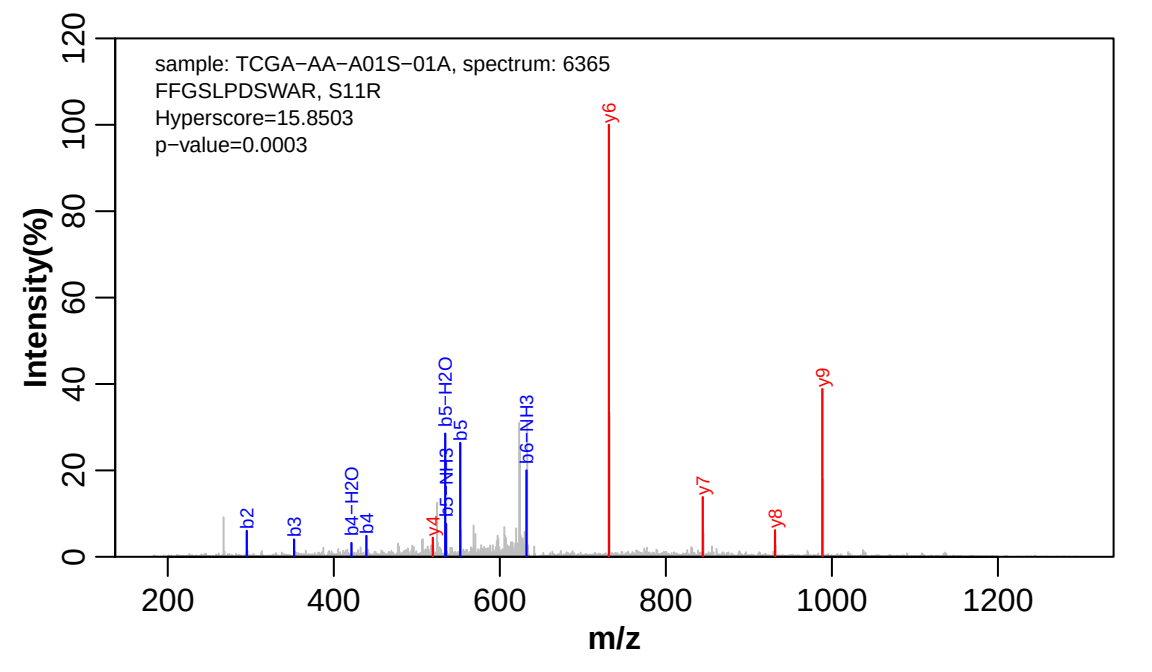

sample: TCGA−AA−A01S−01A, spectrum: 29144
DTEEEDFHVDQATTVK, V12A
Hyperscore=51.4529
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
b5−H2O
b5
y6
y7
y7−H2O
b6
y8
y9
b8
b9
y10
y10−H2O
b10
y11
b11
b12
b13−NH3
y13
b15

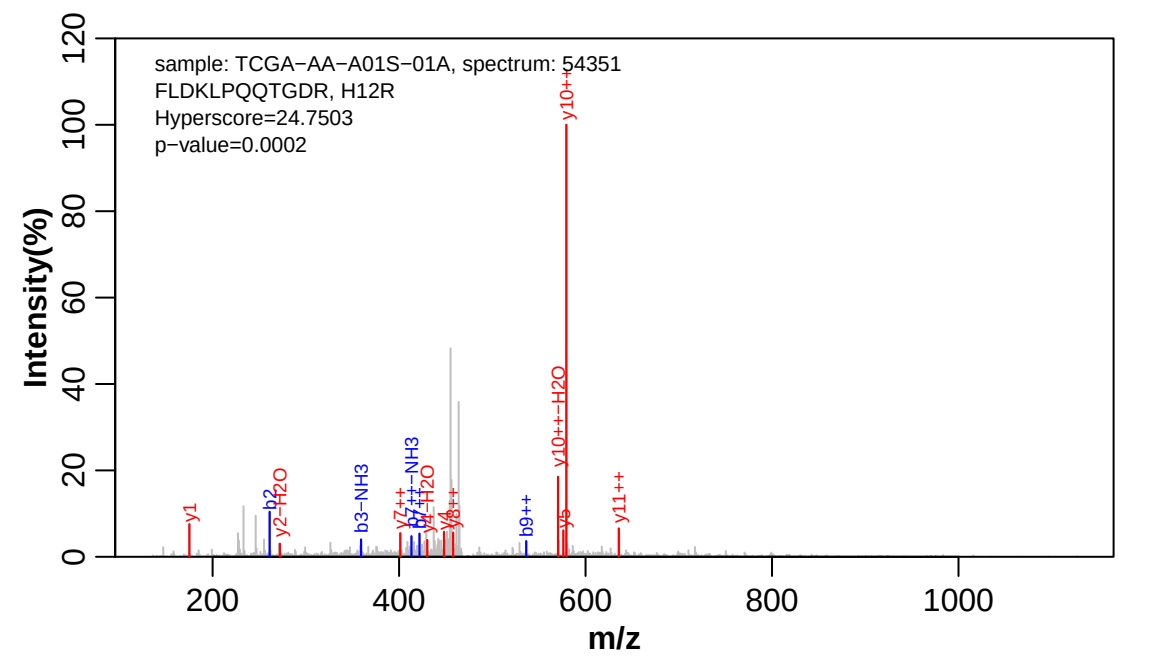

sample: TCGA−AA−A01S−01A, spectrum: 96087
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=31.2540
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
b4
y4
b5−H2O
b5
b6
y6
b7
y7−NH3
y7
b8−NH3
b8
y8−NH3
y8
y10
b11
y11
b12
y12
y13
b15
b16
b17

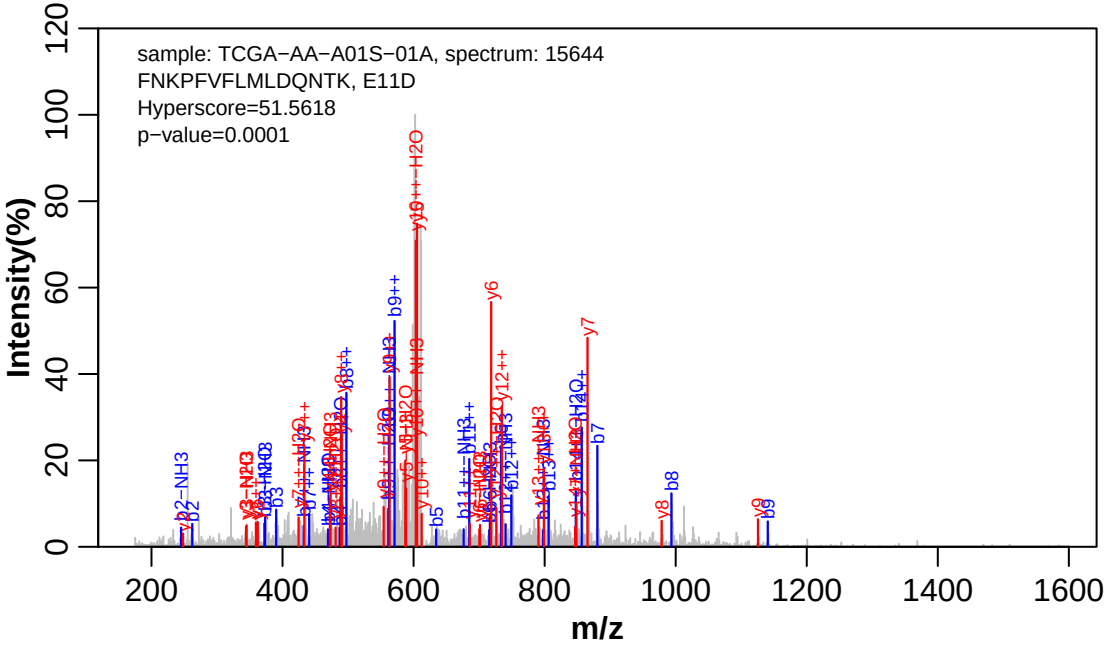

sample: TCGA−AA−A01S−01A, spectrum: 23952
EAPETDTSPSLWNVEFAK, D13N
Hyperscore=23.1715
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9−NH3
y10
y11
y12
y14
y8−H2O
y7
y6
b7−H2O
y4
b5−H2O
b8
b8−H2O

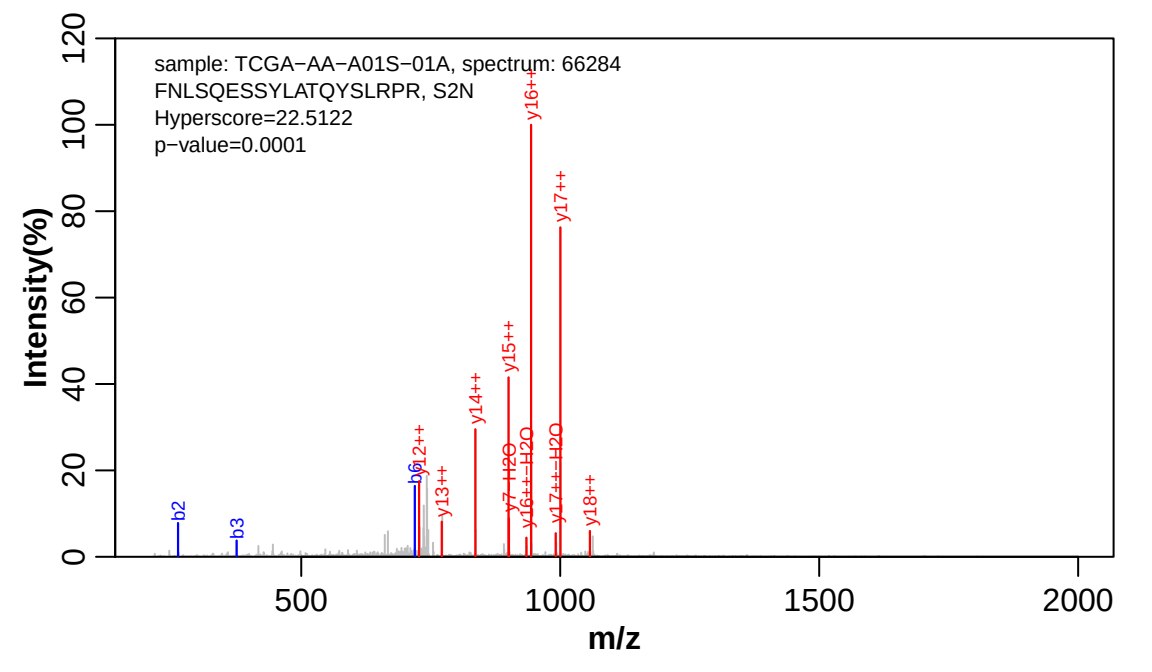

sample: TCGA−AA−A01S−01A, spectrum: 518
EASQGSSASSAPQSVK, H13Q
Hyperscore=28.6125
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4−H2O
y4−NH3
y4
b5
y5
b6−H2O
y6−H2O
b7
b7−H2O
y7
b8
b9−H2O
y8
y9−H2O
b10−NH3
b10−H2O
b11
y10
y11
y12
b15−H2O
b15

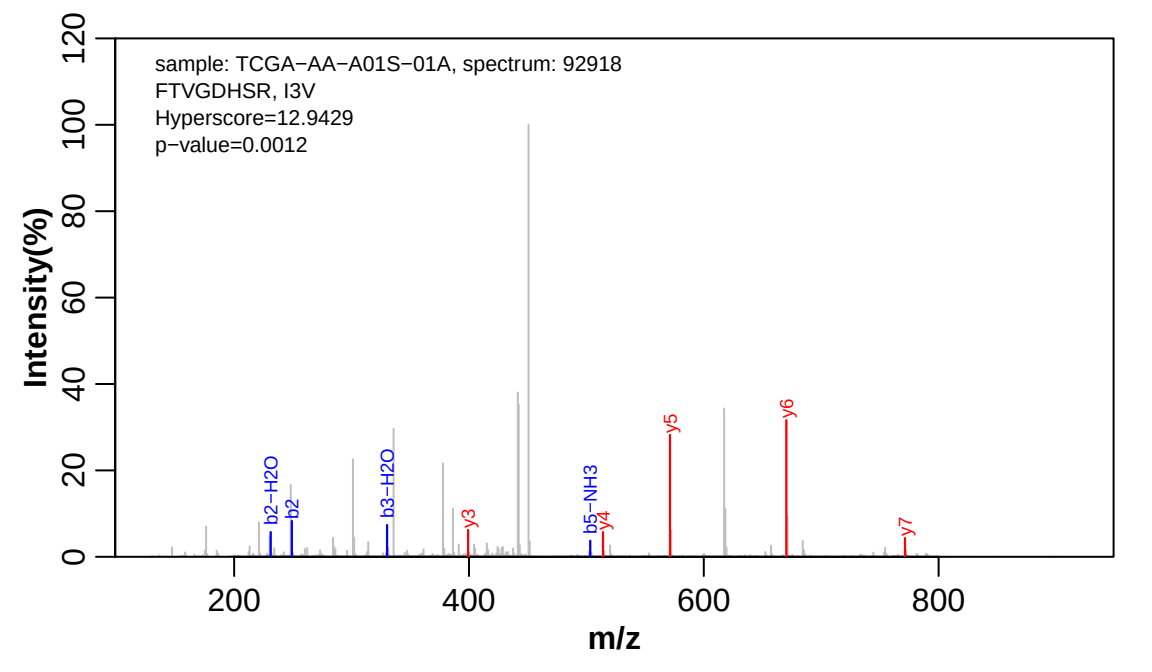

sample: TCGA−AA−A01S−01A, spectrum: 13818
EPSAPSLPTPAYQSLPAGGHAPTPPTPAPR, S15L
Hyperscore=43.5780
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

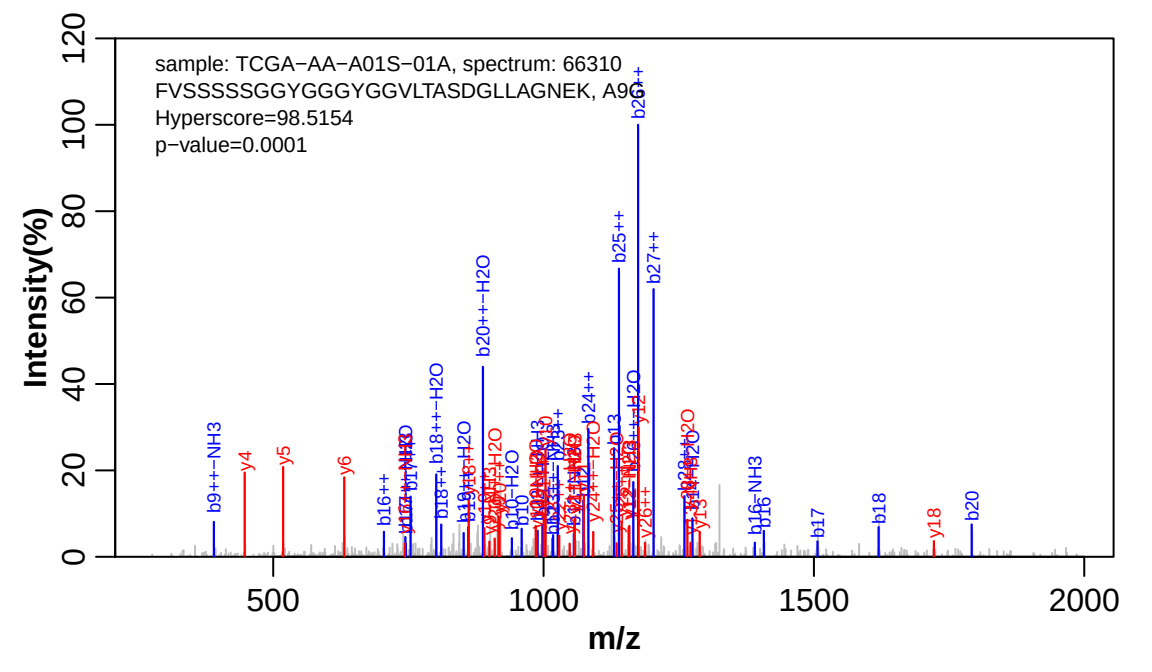

sample: TCGA−AA−A01S−01A, spectrum: 6365
FFGSLPDSWAR, S11R
Hyperscore=15.8503
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

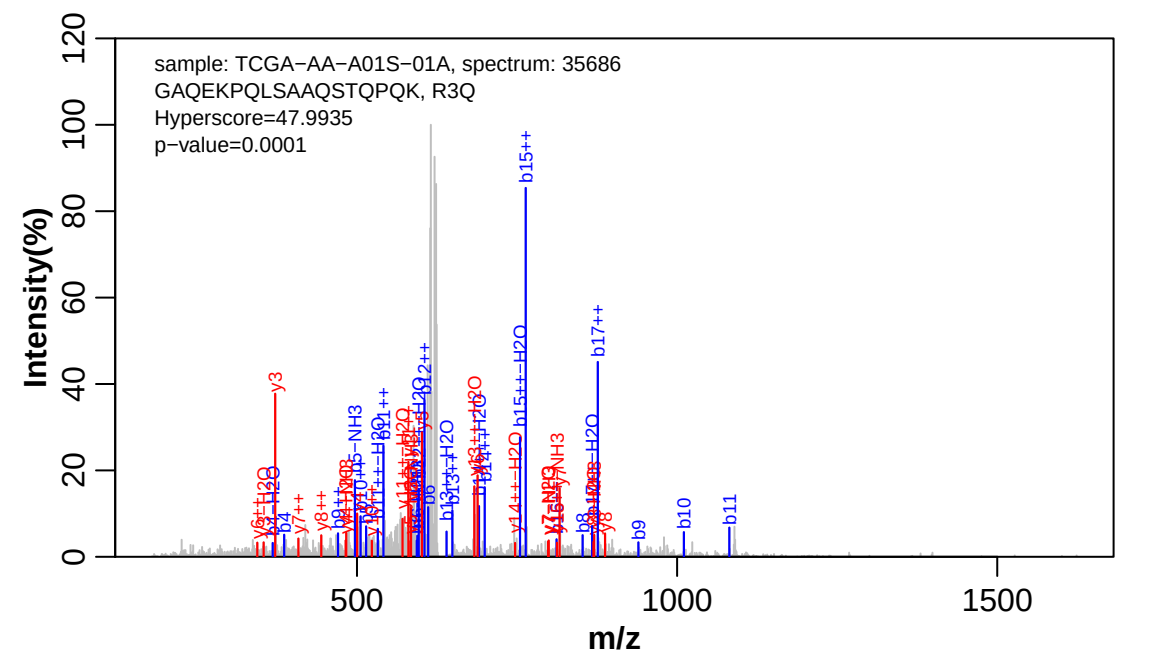

sample: TCGA−AA−A01S−01A, spectrum: 54351
FLDKLPQQTGDR, H12R
Hyperscore=24.7503
p−value=0.0002
Intensity(%)
m/z
y1
y2−H2O
b2
b3−NH3
y7++
y7++−NH3
y7++−H2O
y4
y8++
b9++
y9
y10++
y10++−H2O
y11++

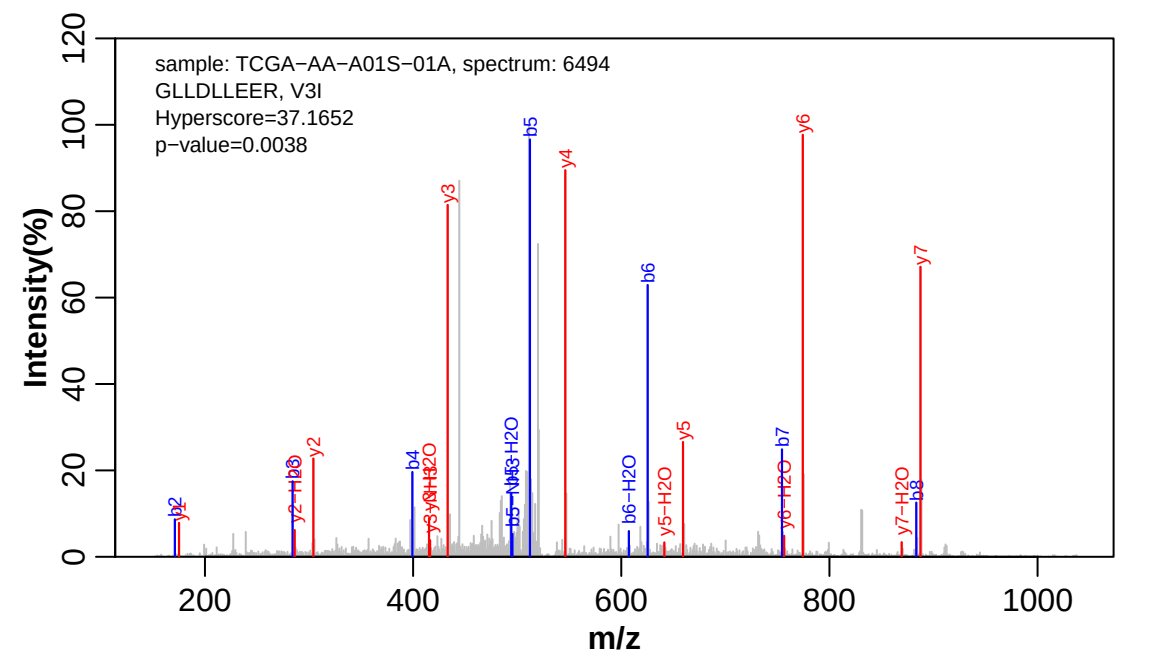

sample: TCGA−AA−A01S−01A, spectrum: 15644
FNKPFVFLMLDQNTK, E11D
Hyperscore=51.5618
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

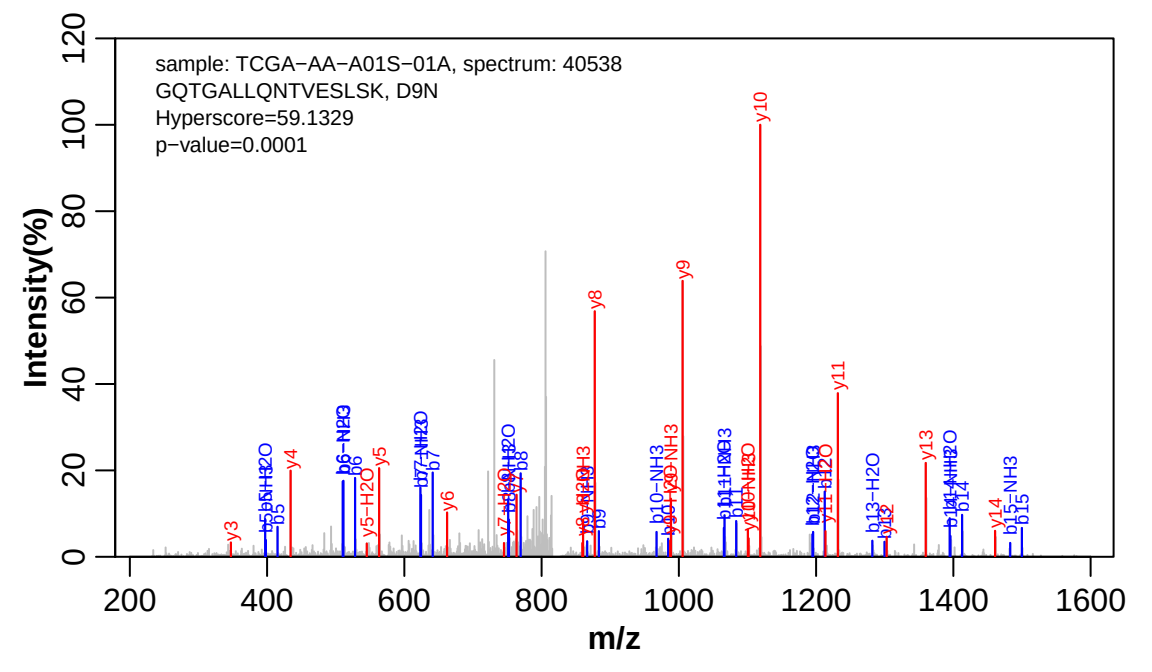

sample: TCGA−AA−A01S−01A, spectrum: 66284
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=22.5122
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b2
b3
b6
b12++
y13++
y14++
y7−H2O
y15++
y16++−H2O
y16++
y17++−H2O
y17++
y18++

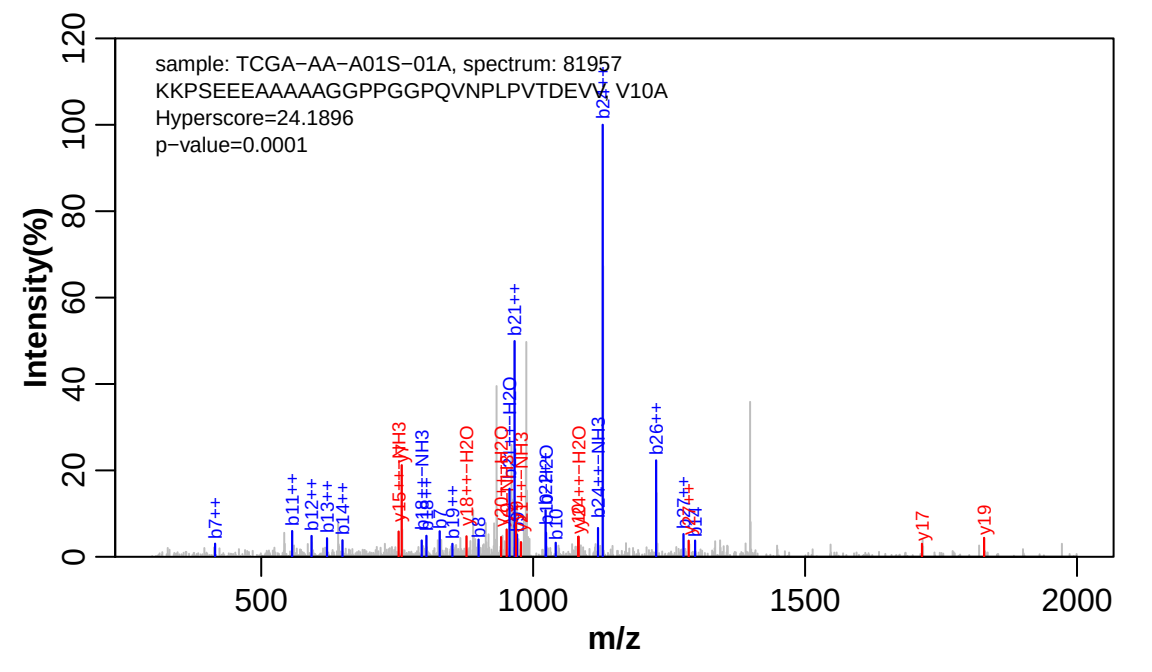

sample: TCGA−AA−A01S−01A, spectrum: 92918
FTVGDHSR, I3V
Hyperscore=12.9429
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2−H2O
b2
b3−H2O
y3
b5−NH3
y4
y5
y6
y7

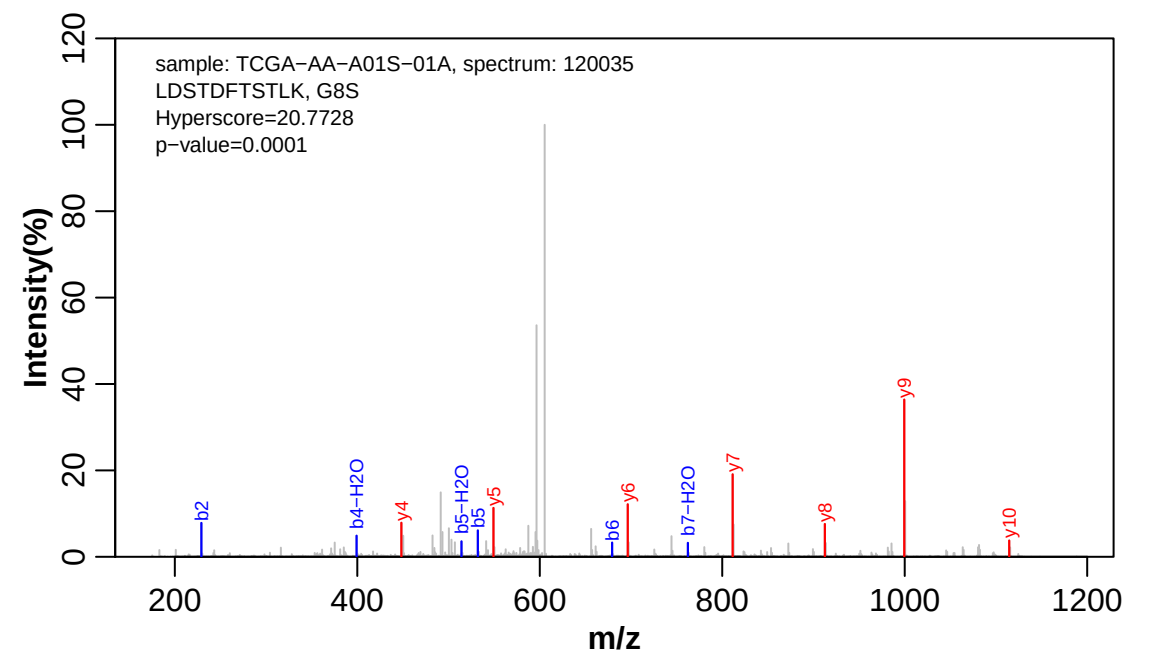

sample: TCGA−AA−A01S−01A, spectrum: 66310
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=98.5154
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y6
b16++
b18++−H2O
b20++−H2O
b10−H2O
b25++
b27++
b26++
b16−NH3
b17
b18
y18
b20

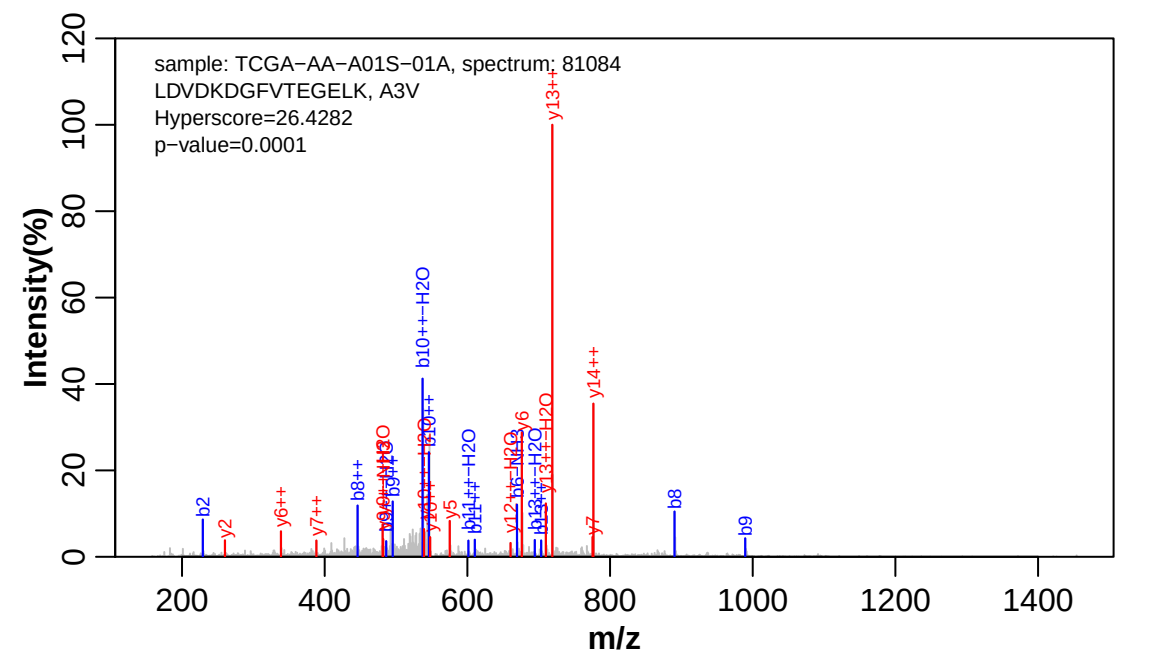

sample: TCGA−AA−A01S−01A, spectrum: 35686
GAQEKPQLSAAQSTQPQK, R3Q
Hyperscore=47.9935
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b15++
y3
b17++
b10
b11
b9
b8
y8
y7++
b4
b13++−H2O
b15++−H2O
y14++−H2O
y14++−NH3
b14++−H2O
b14++−NH3
y13++−H2O
y13++−NH3
b12++
b6
y11++−H2O
y11++−NH3
y10++−H2O
y10++−NH3
b21++
y9++
y6++−H2O
y6++−NH3
b5−NH3
b5−H2O
y5−H2O
y5−NH3
y4−H2O
y4−NH3

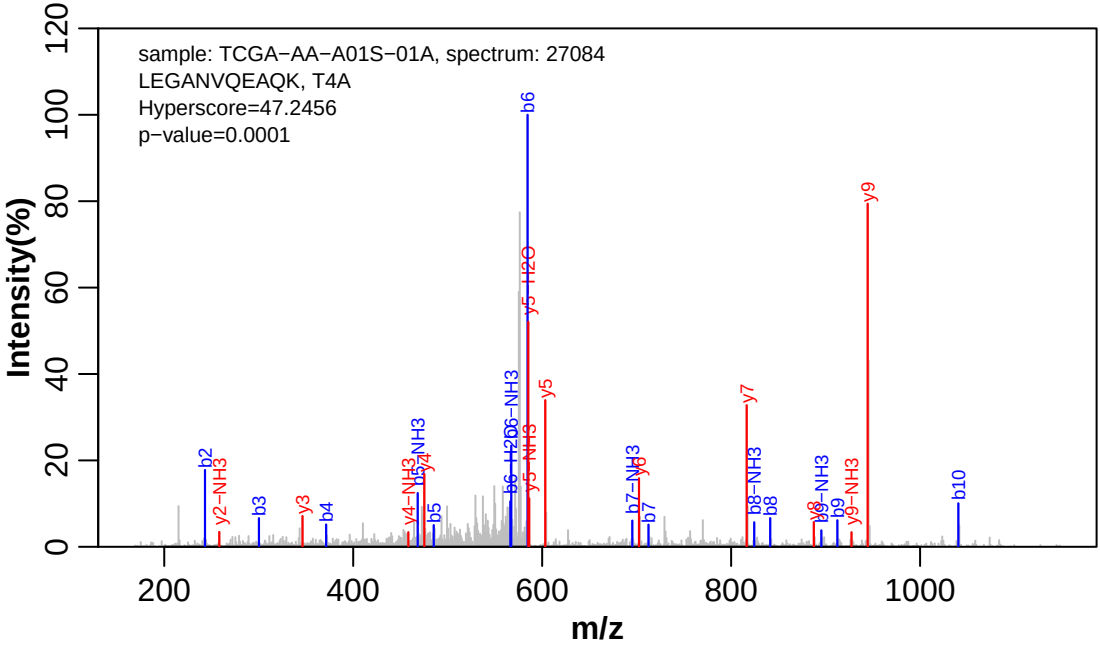

sample: TCGA−AA−A01S−01A, spectrum: 6494
GLLDLLEER, V3I
Hyperscore=37.1652
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b5
y4
y3
y6
b6
y7
y2
b4
y5
b7
b2
y1
b3
y2−H2O
b4−H2O
y3−H2O
b5−H2O
b6−H2O
y5−H2O
y6−H2O
y7−H2O
b8

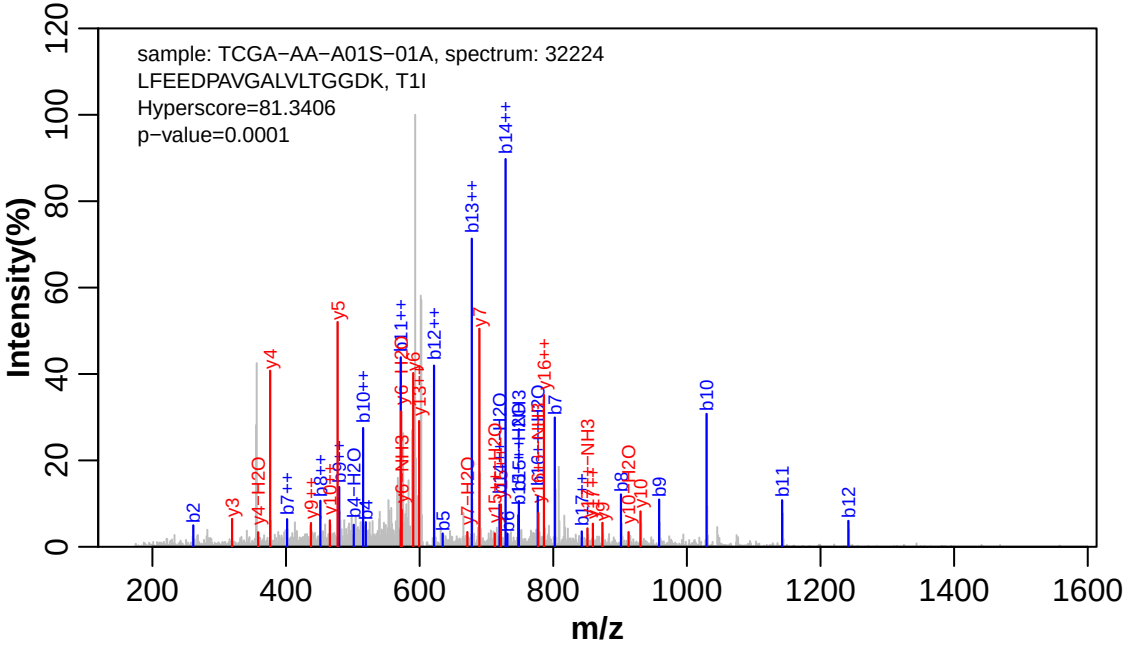

sample: TCGA−AA−A01S−01A, spectrum: 40538
GQTGALLQNTVESLSK, D9N
Hyperscore=59.1329
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y4
y5
y6
y3
y14
b15
b13−H2O
b10−NH3
y5−H2O

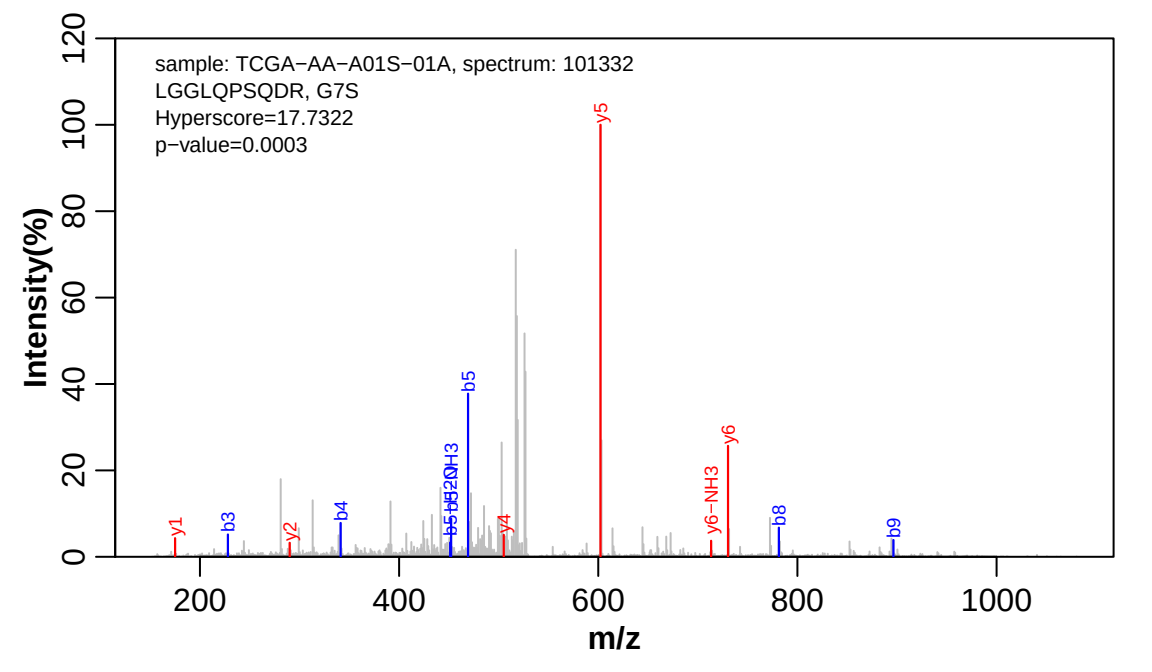

sample: TCGA−AA−A01S−01A, spectrum: 81957
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV V10A
Hyperscore=24.1896
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b7++
b11++
b12++
b13++
b14++
y15++−NH3
b18++−NH3
b7
b19++
b8
y18++−H2O
b21++
b24++
y24++−H2O
b24++−NH3
b26++
b27++
y17
y19

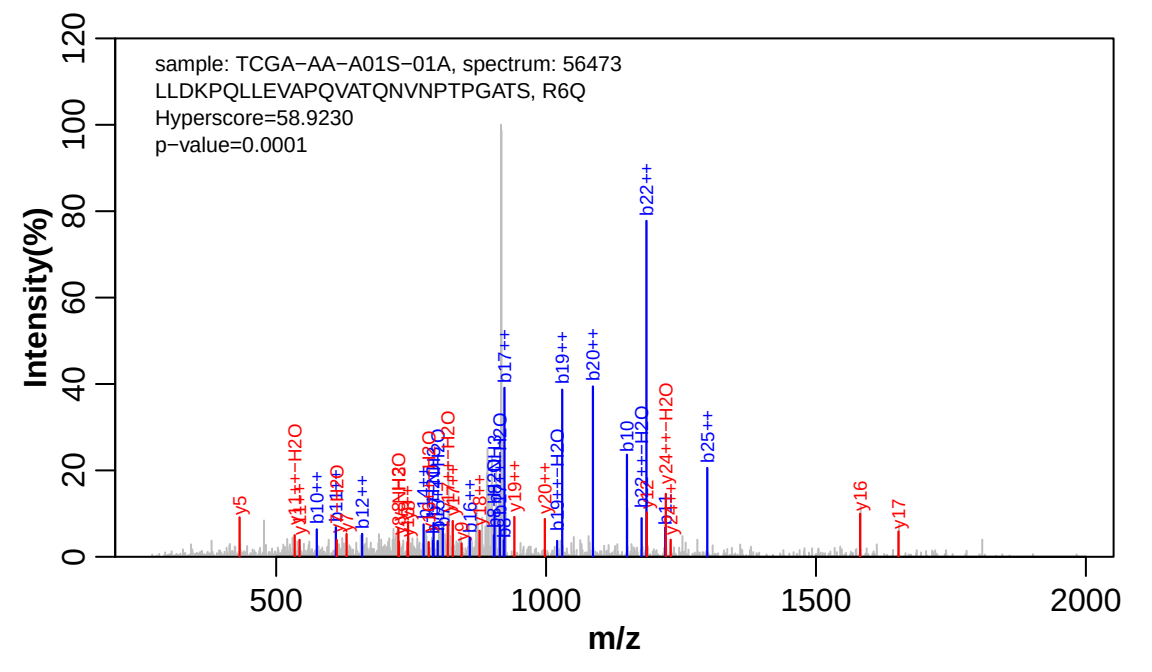

sample: TCGA−AA−A01S−01A, spectrum: 120035
LDSTDFTSTLK, G8S
Hyperscore=20.7728
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
b6
y6
b7−H2O
y7
y8
y9
y10

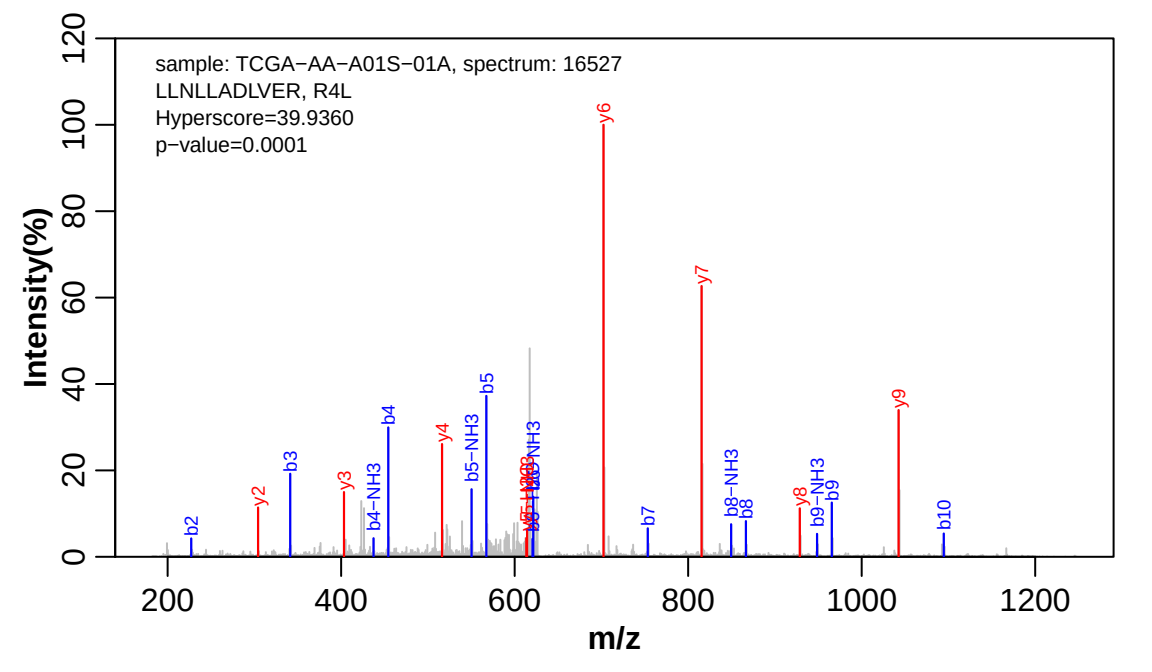

sample: TCGA−AA−A01S−01A, spectrum: 81084
LDVDKDGFVTEGELK, A3V
Hyperscore=26.4282
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
y6++
y7++
b8++
b10++−H2O
y5
b11++−H2O
y12++−H2O
y6
y13++−H2O
y13++
y14++
y7
b8
b9

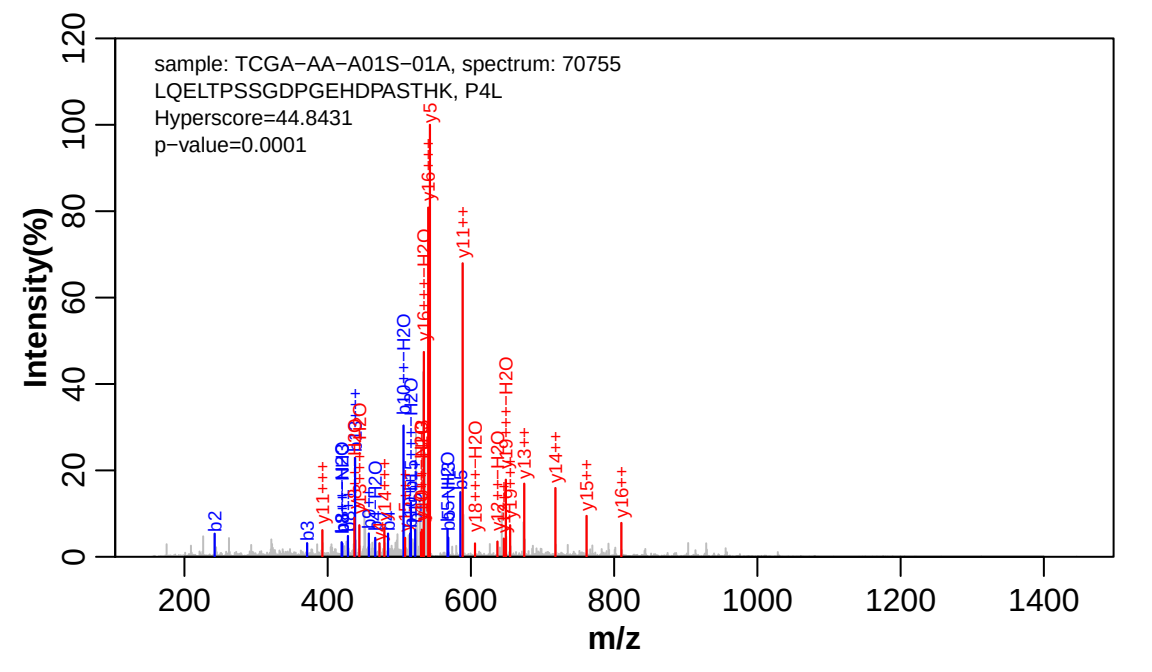

sample: TCGA−AA−A01S−01A, spectrum: 27084
LEGANVQEAQK, T4A
Hyperscore=47.2456
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2−NH3
b3
y3
b4
y4−NH3
y4
b5
b6−NH3
b6
b6−H2O
y5−NH3
y5−H2O
y5
b7−NH3
b7
y7
b8−NH3
b8
y8−NH3
b9
y9−NH3
y9
b10

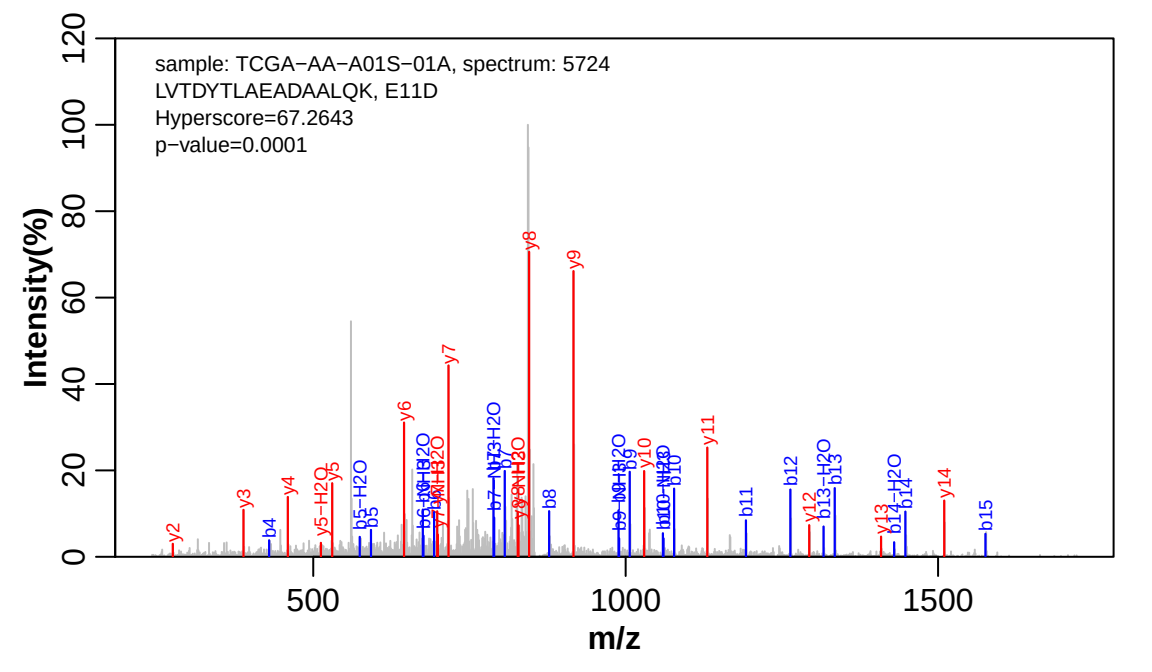

sample: TCGA−AA−A01S−01A, spectrum: 32224
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=81.3406
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y4−H2O
y4
b7++
y5
b10++
b4−H2O
b4
y6−NH3
y6−H2O
y11++
y6
y13++
b12++
b5
b13++
y7
y7−H2O
b14++
b6
b16++
b16++−H2O
b7
y16++
b17++
y7++−NH3
y7
y10−H2O
y10
b8
b9
b10
b11
b12

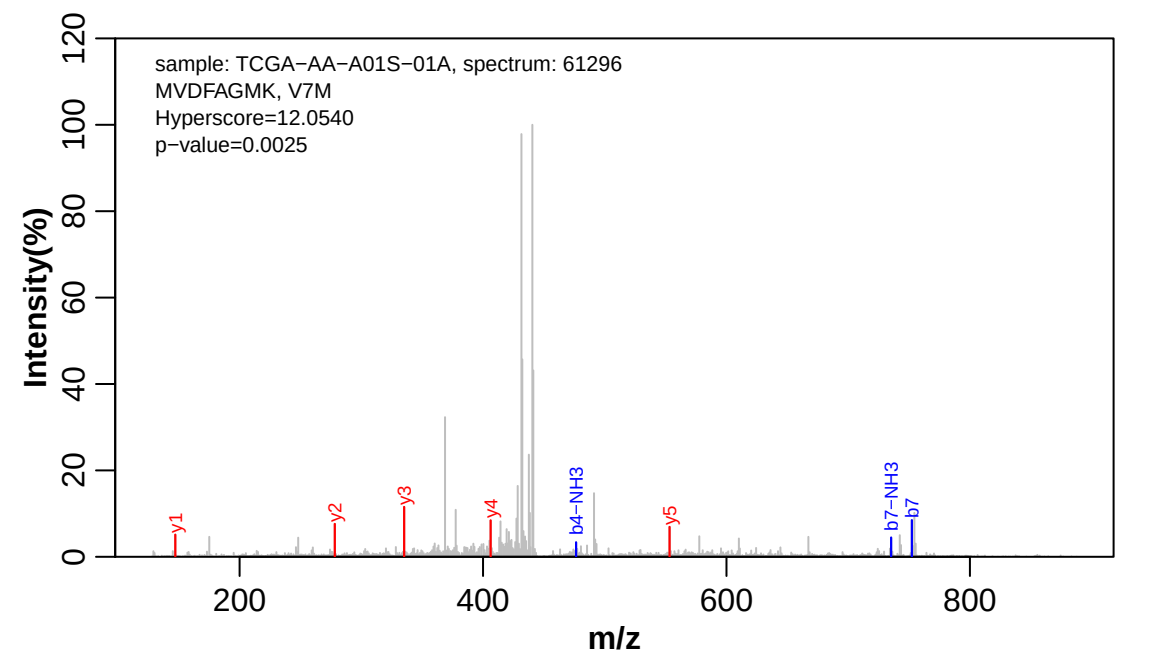

sample: TCGA−AA−A01S−01A, spectrum: 101332
LGGLQPSQDR, G7S
Hyperscore=17.7322
p−value=0.0003
Intensity(%)
m/z
y1
b3
y2
b4
b5
y4
y5
y6−NH3
y6
b8
b9

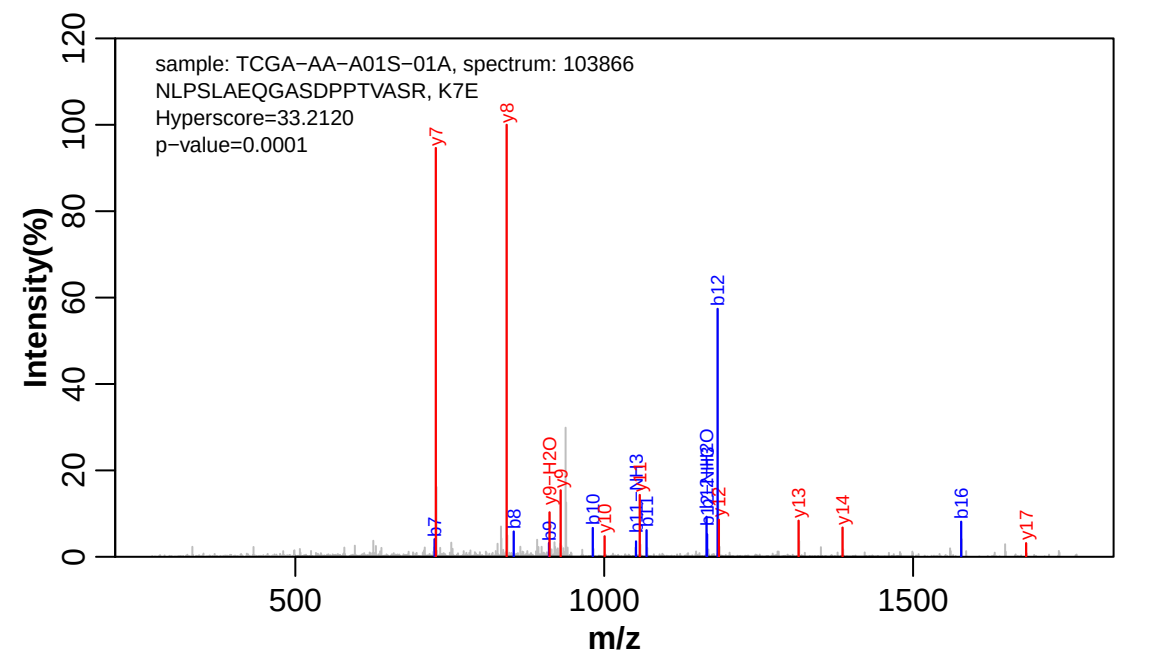

sample: TCGA−AA−A01S−01A, spectrum: 56473
LLDKPQLLEVAPQVATQNVNPTPGATS, R6Q
Hyperscore=58.9230
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
y11++−H2O
b10++
b12++
b17++
b19++
b20++
b22++
y19++
y20++
b10++−H2O
b10
b22++−H2O
y12
y24++−H2O
b25++
y16
y17

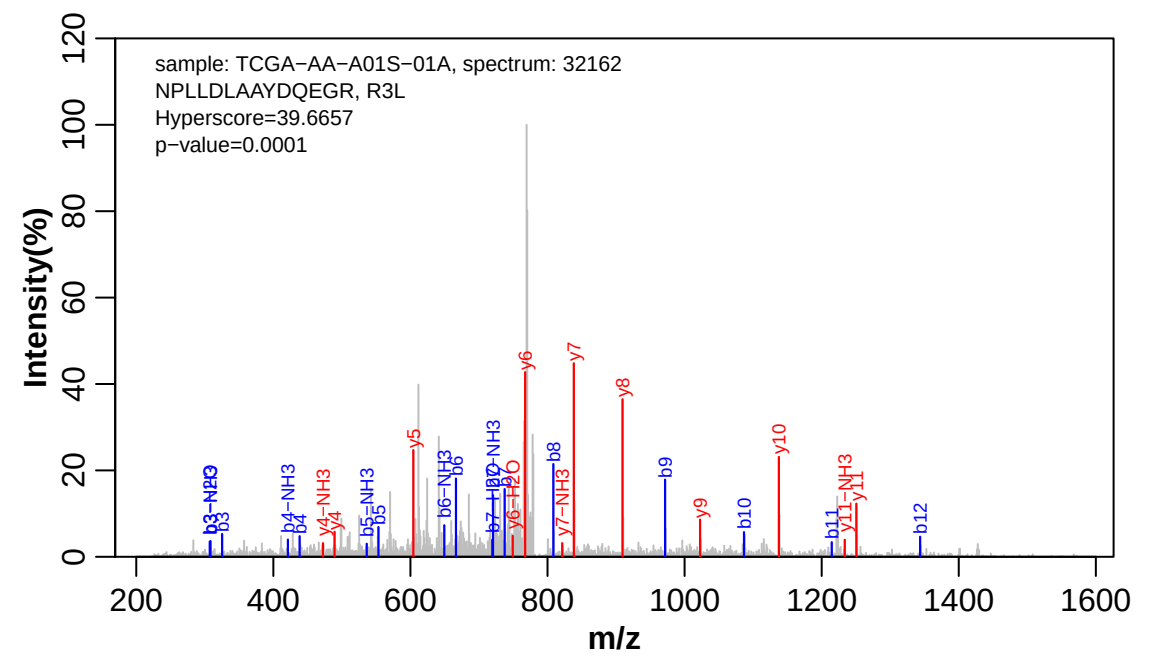

sample: TCGA−AA−A01S−01A, spectrum: 16527
LLNLLADLVER, R4L
Hyperscore=39.9360
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

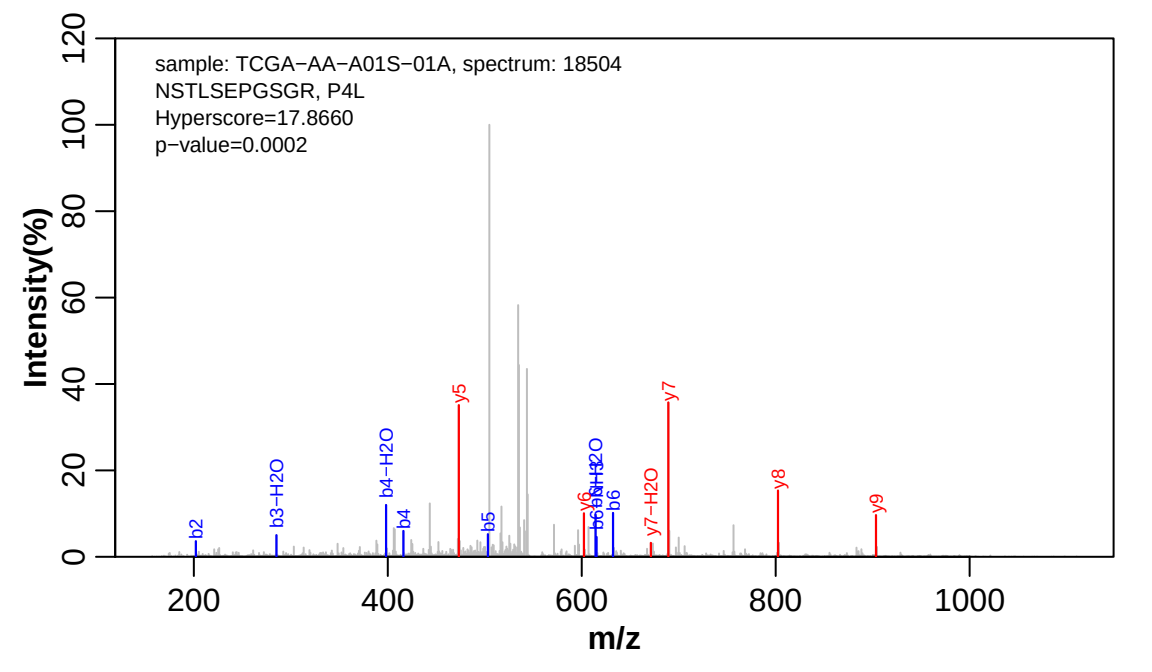

sample: TCGA−AA−A01S−01A, spectrum: 70755
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=44.8431
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b3
y11+++
y5
y16+++
y11++
y16+++−H2O
b10++−H2O
y18+++−H2O
y13++
y14++
y15++
y16++

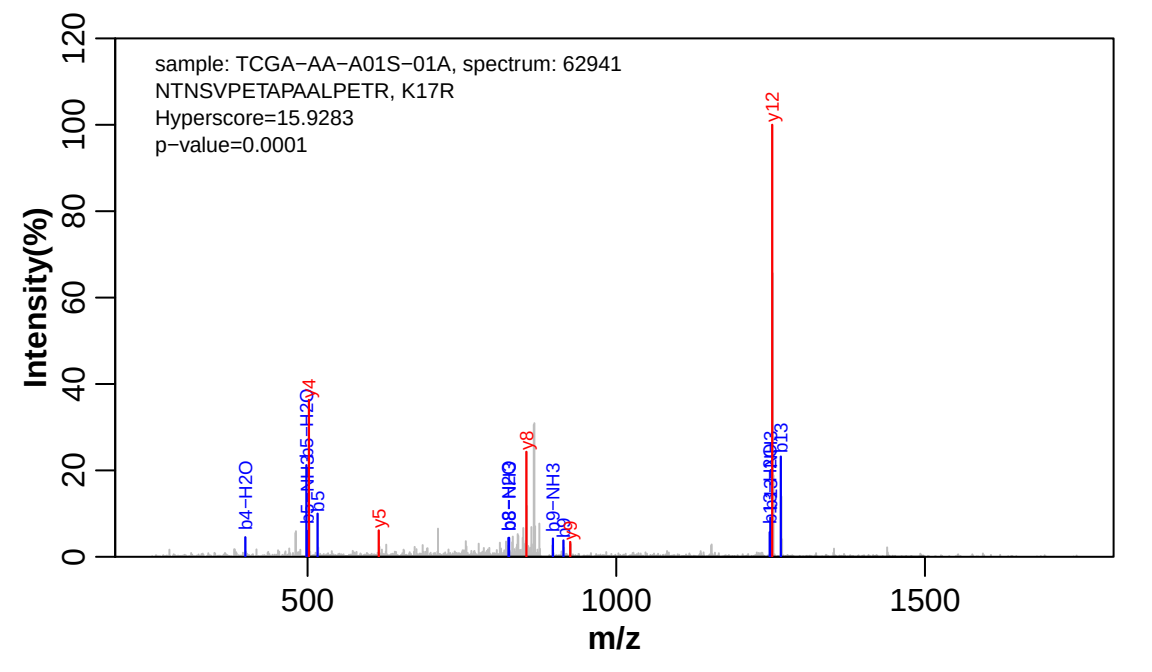

sample: TCGA−AA−A01S−01A, spectrum: 5724
LVTDYTLAEADAALQK, E11D
Hyperscore=67.2643
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
b4
y4
y5−H2O
y5
b5−H2O
b5
y6
y7
y8
y9
b8
y10
y11
b11
b12
y12
b13−H2O
b13
y13
b14
y14
b15

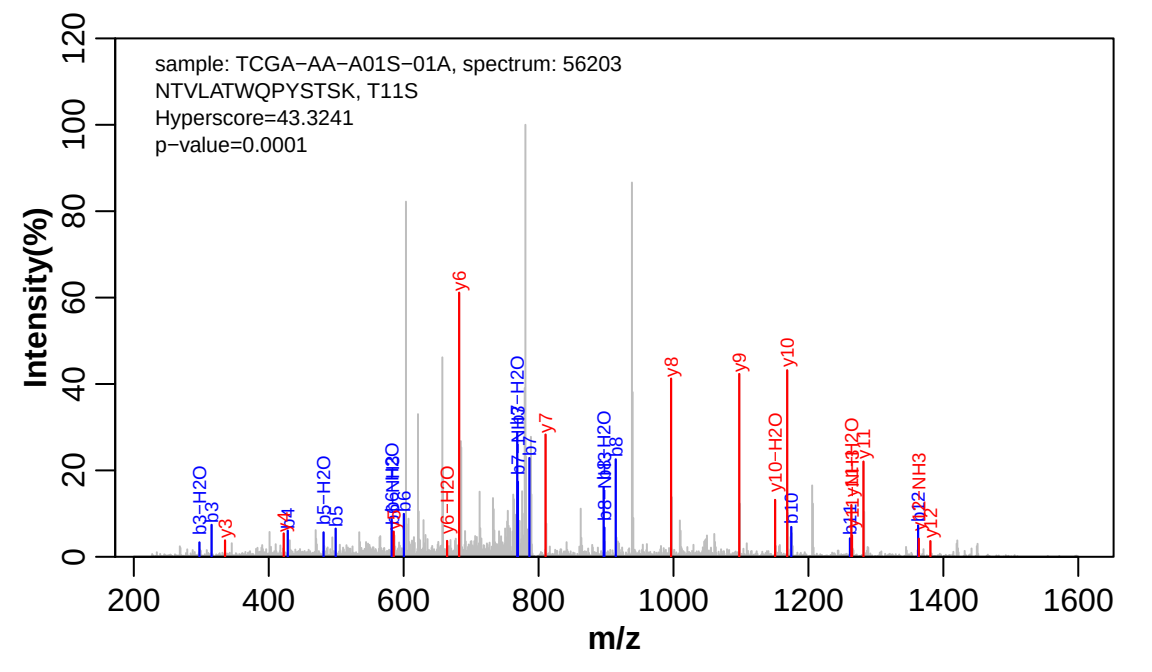

sample: TCGA−AA−A01S−01A, spectrum: 61296
MVDFAGMK, V7M
Hyperscore=12.0540
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
y2
y3
y4
b4−NH3
y5
b7−NH3
b7

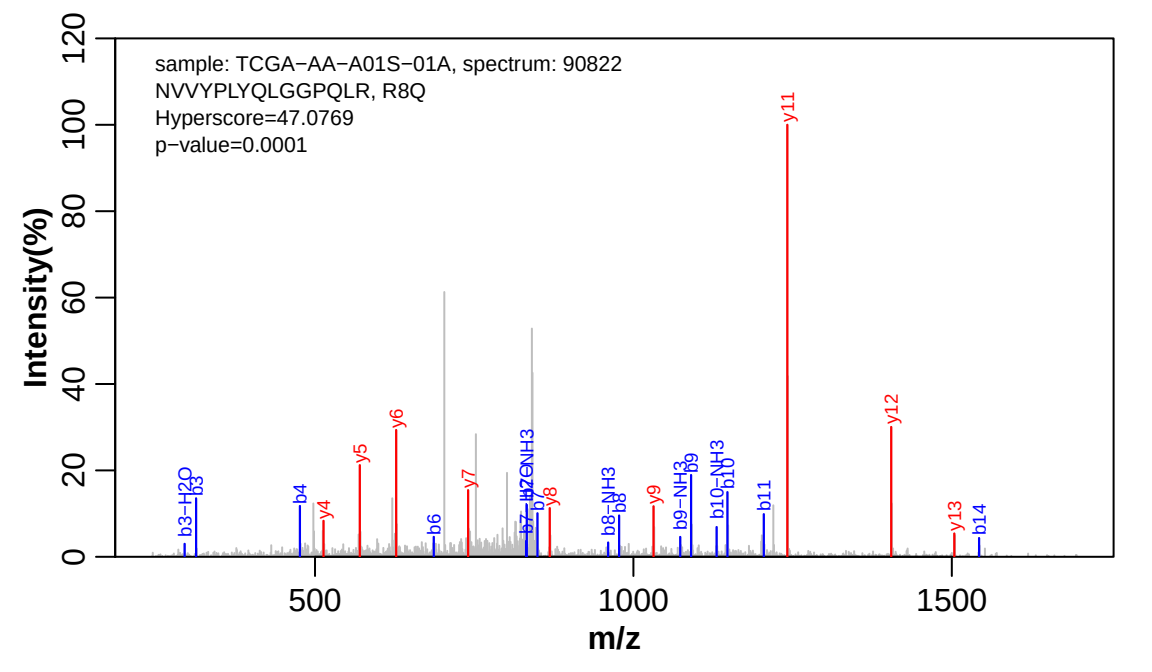

sample: TCGA−AA−A01S−01A, spectrum: 103866
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=33.2120
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y8
b7
b8
b9
y9−H2O
y9
b10
y10
b11−NH3
b11
b12
y12
y13
y14
b16
y17

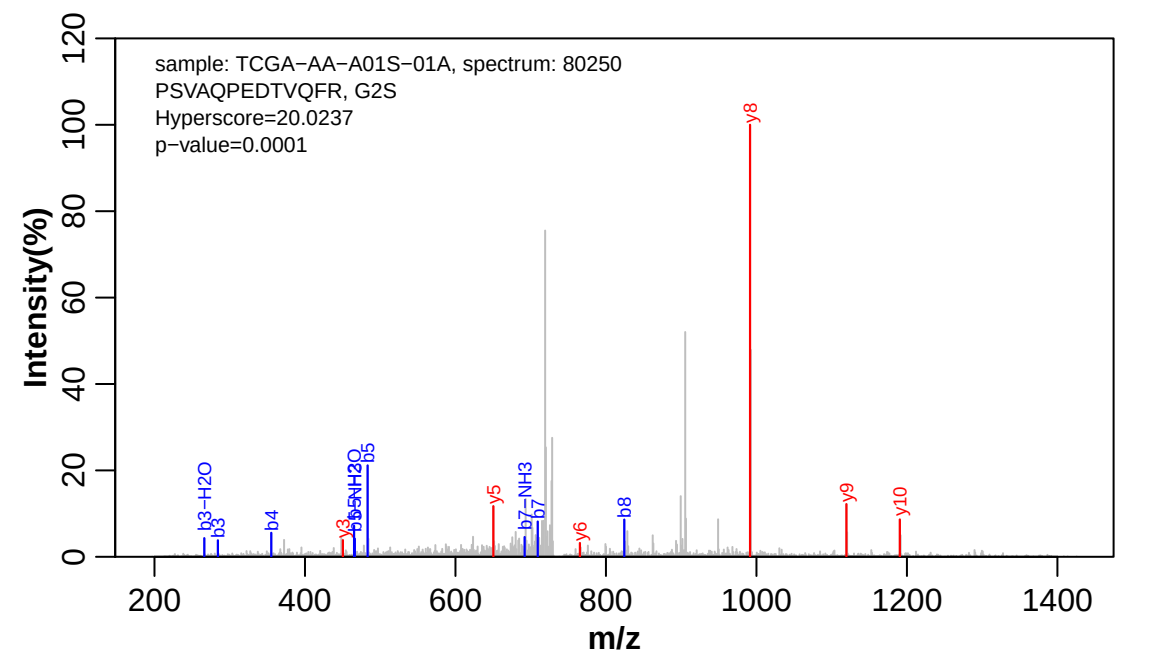

sample: TCGA−AA−A01S−01A, spectrum: 32162
NPLLDLAAYDQEGR, R3L
Hyperscore=39.6657
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b4−NH3
y4−NH3
b5−NH3
y5
b6−NH3
b6
y6
y7
y8
b8
y7−NH3
b9
y9
y10
b10
b11
y11−NH3
b12

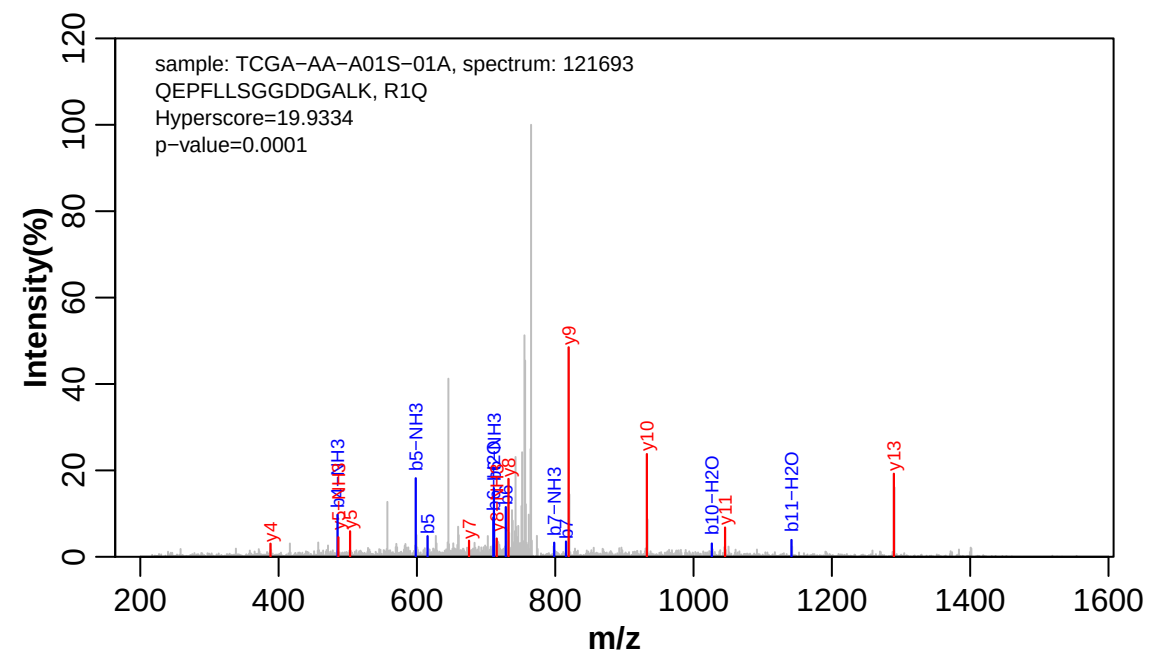

sample: TCGA−AA−A01S−01A, spectrum: 18504
NSTLSEPGSGR, P4L
Hyperscore=17.8660
p−value=0.0002
Intensity(%)
m/z
b2
b3−H2O
b4−H2O
b4
b5
y5
y6
b6
y7−H2O
y7
y8
y9

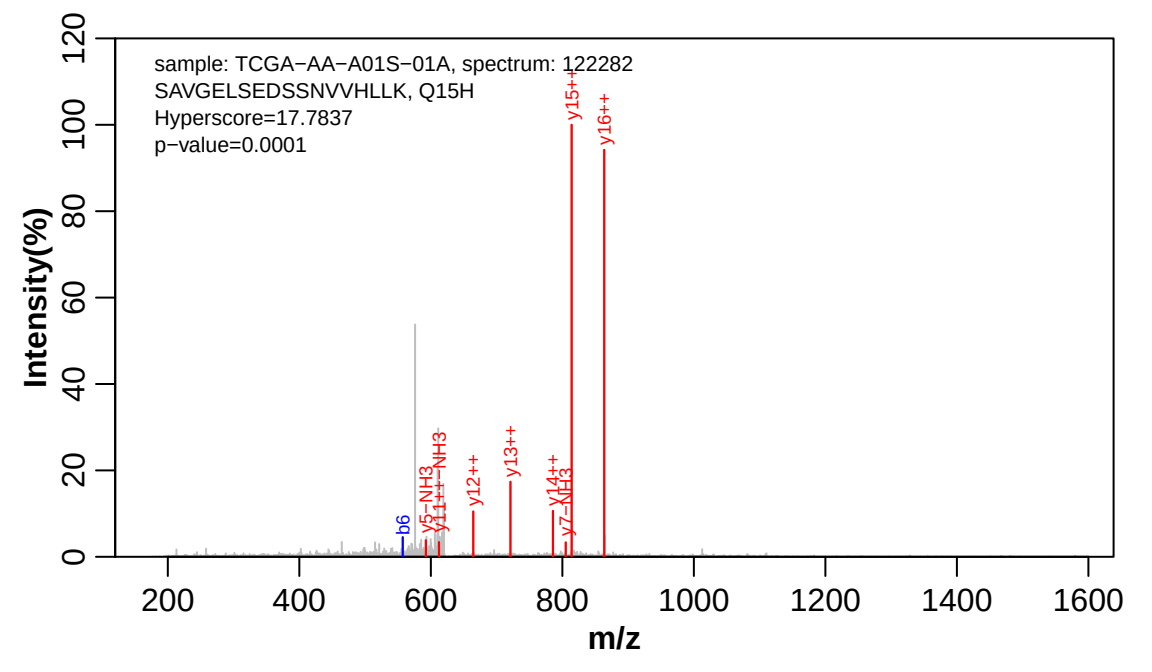

sample: TCGA−AA−A01S−01A, spectrum: 62941
NTNSVPETAPAALPETR, K17R
Hyperscore=15.9283
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y8
y4
b4−H2O
b5
y5
b9−NH3
y9
b13

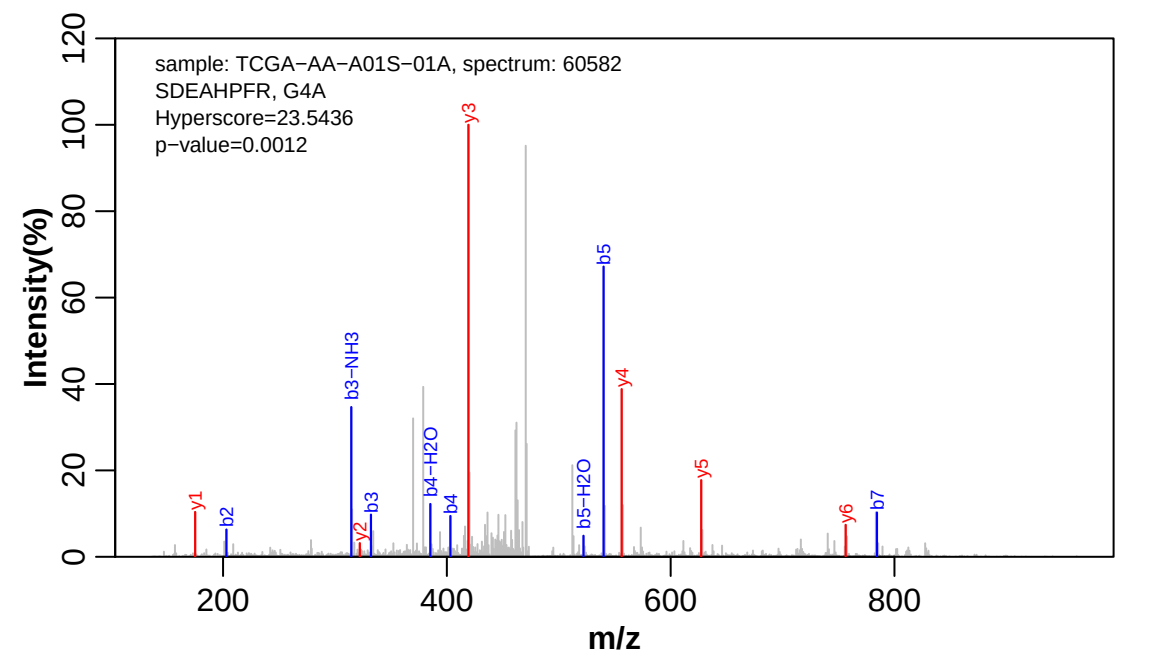

sample: TCGA−AA−A01S−01A, spectrum: 56203
NTVLATWQPYSTSK, T11S
Hyperscore=43.3241
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
y3
y4
b5−H2O
b5
b6
y6−H2O
y6
b7−NH3−H2O
b7
y7
b8−NH3−H2O
b8
y8
y9
y10
y10−H2O
b10
y11
y12−NH3
y12

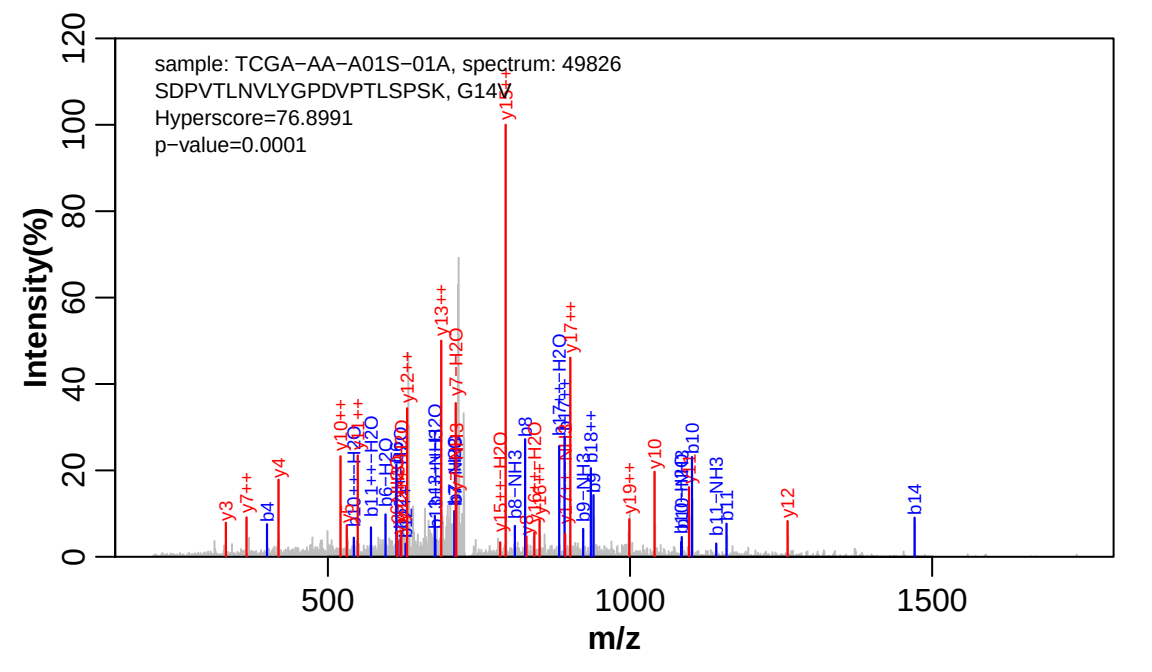

sample: TCGA−AA−A01S−01A, spectrum: 90822
NVVYPLYQLGGPQLR, R8Q
Hyperscore=47.0769
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
b3
b4
y4
y5
y6
b6
y7
b7−H2O
b7−NH3
b7
y8
b8−NH3
b8
y9
b9−NH3
b9
b10−NH3
b10
b11
y11
y12
y13
b14

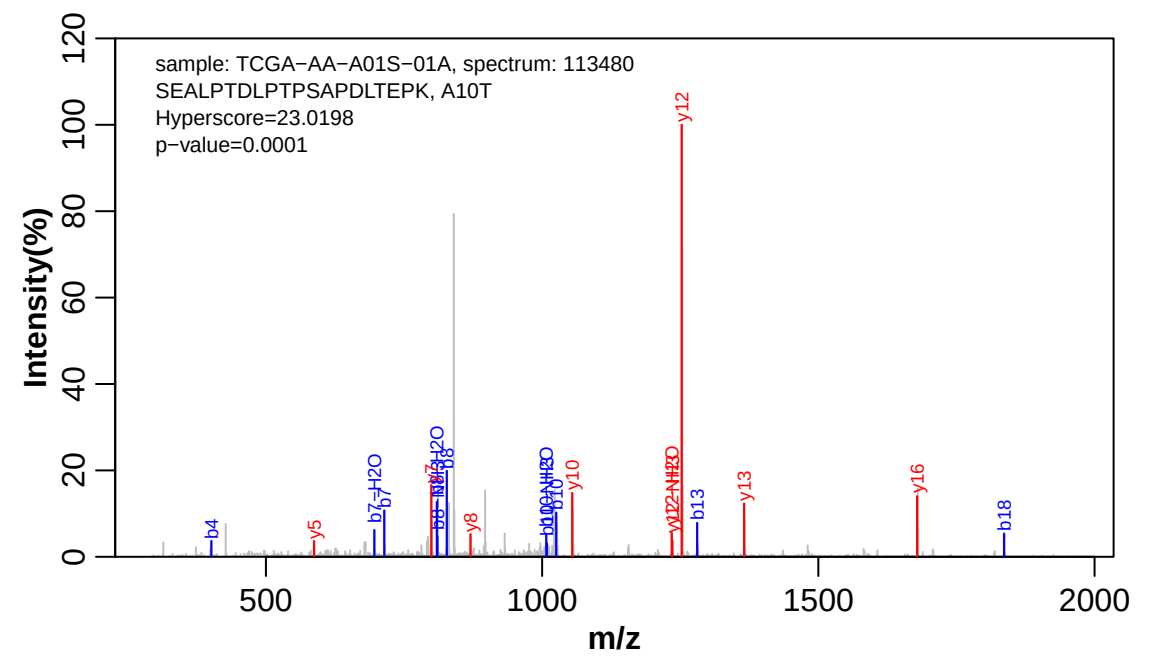

sample: TCGA−AA−A01S−01A, spectrum: 80250
PSVAQPEDTVQFR, G2S
Hyperscore=20.0237
p−value=0.0001
Intensity(%)
m/z
y8
y5
y9
y10
y6
b8
b7−NH3
b7
b5
b3−H2O
b3
b4
y3

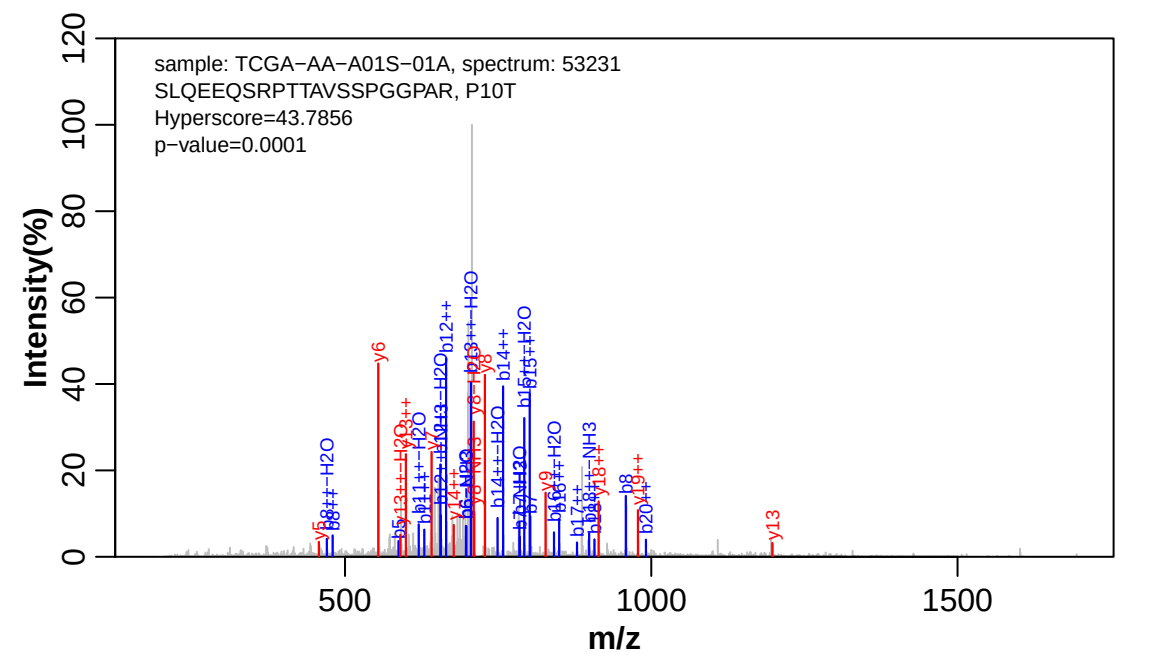

sample: TCGA−AA−A01S−01A, spectrum: 121693
QEPFLLSGGDDGALK, R1Q
Hyperscore=19.9334
p−value=0.0001
Intensity(%)
m/z
y4
y5−NH3
y5
b5−NH3
b5
y7
y8
b7−NH3
b7
y9
y10
b10−H2O
y11
b11−H2O
y13

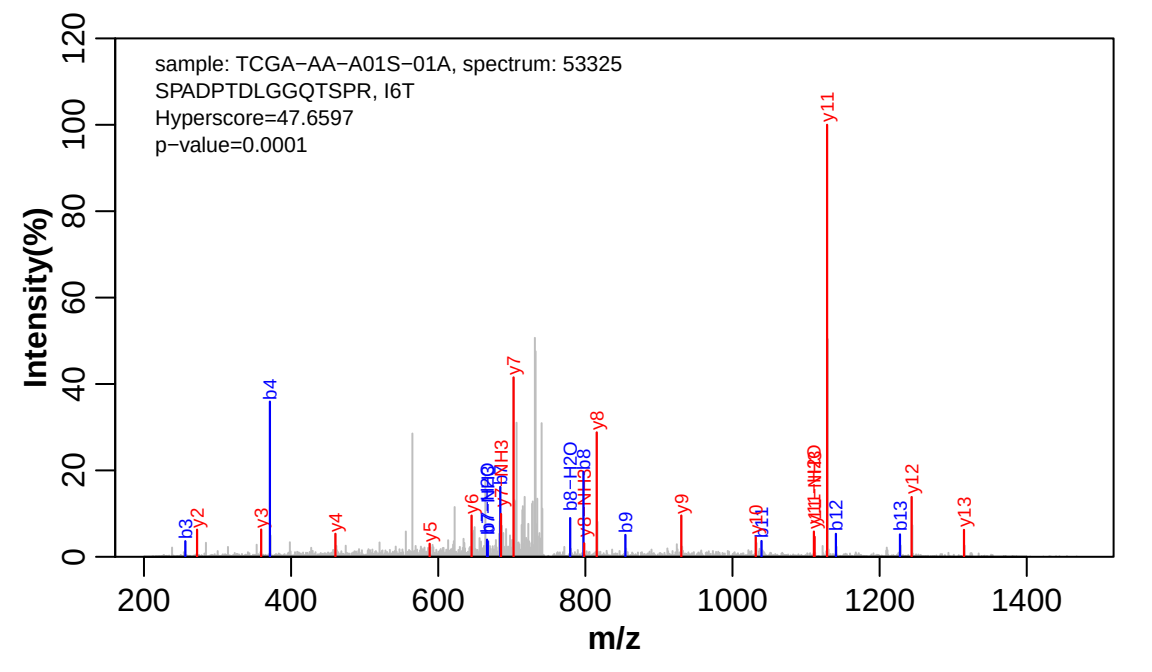

sample: TCGA−AA−A01S−01A, spectrum: 122282
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7837
p−value=0.0001
Intensity(%)
m/z
b6
y5−NH3
y11++−NH3
y12++
y13++
y14++
y7−NH3
y15++
y16++

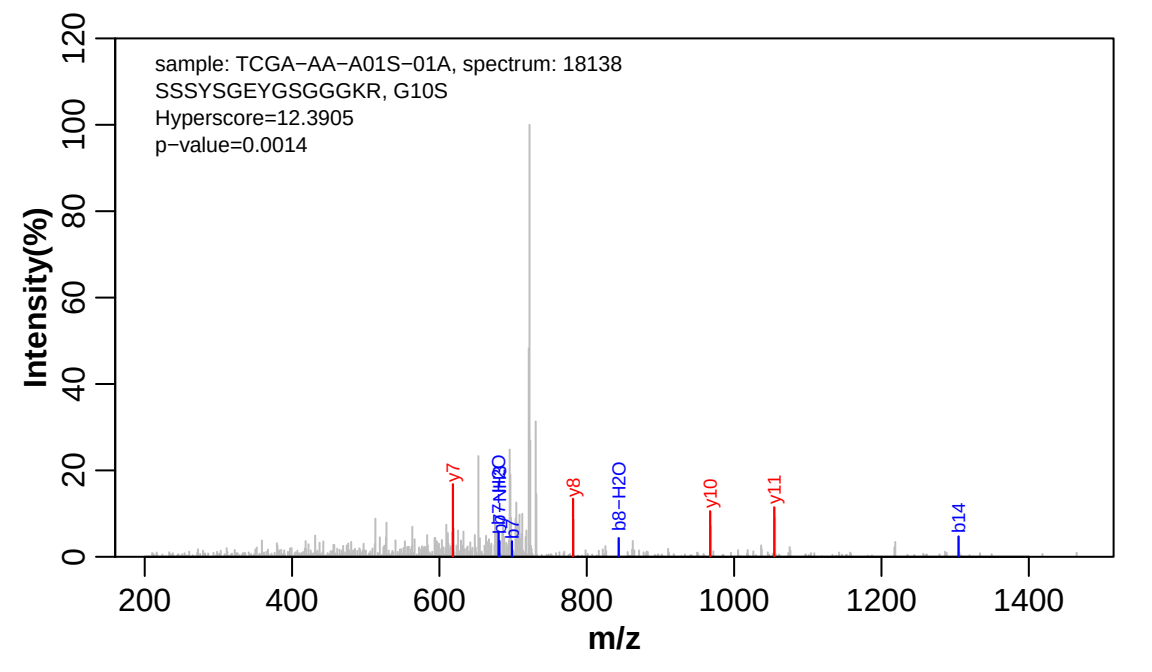

sample: TCGA−AA−A01S−01A, spectrum: 60582
SDEAHPFR, G4A
Hyperscore=23.5436
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2
b3−NH3
y2
b3
b4−H2O
b4
y3
b5
b5−H2O
y4
y5
y6
b7

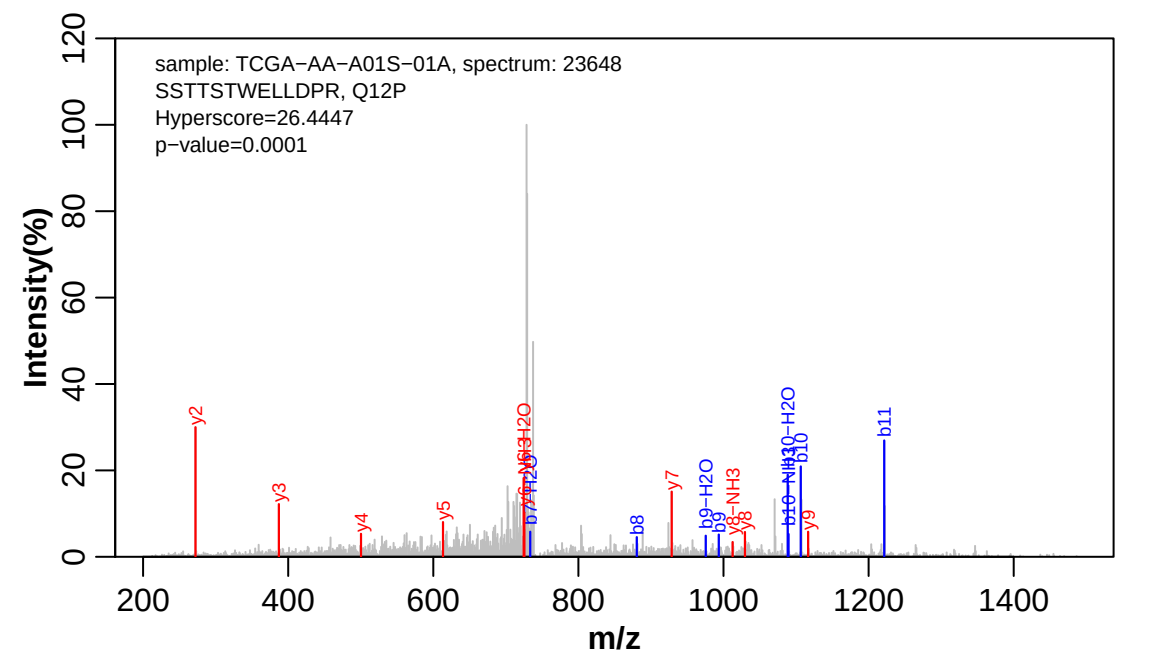

sample: TCGA−AA−A01S−01A, spectrum: 49826
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=76.8991
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y7++
b4
y4
y10++
y12++
y13++
y7−H2O
y15++
y15++−H2O
b8−NH3
y16++−H2O
y17++−H2O
y17++
b9−NH3
b18++
y19++
y10
b10
b11−NH3
y12
b14

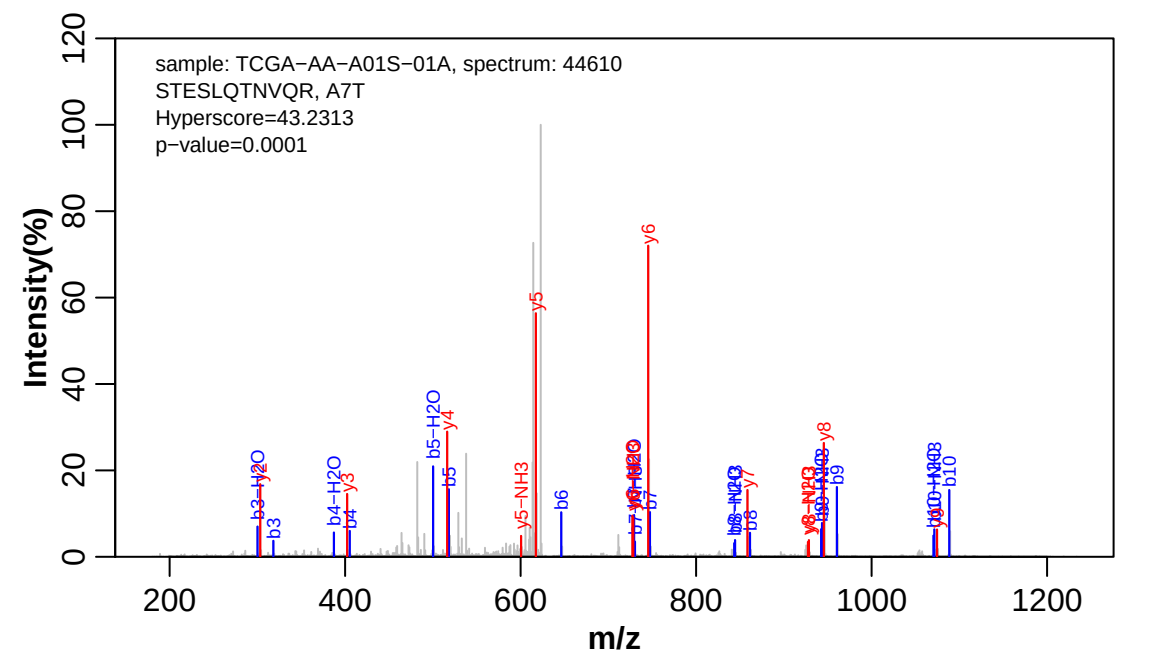

sample: TCGA−AA−A01S−01A, spectrum: 113480
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=23.0198
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b4
y5
b7−H2O
b7
y8
y10
y12
y12−NH3
b13
y13
y16
b18

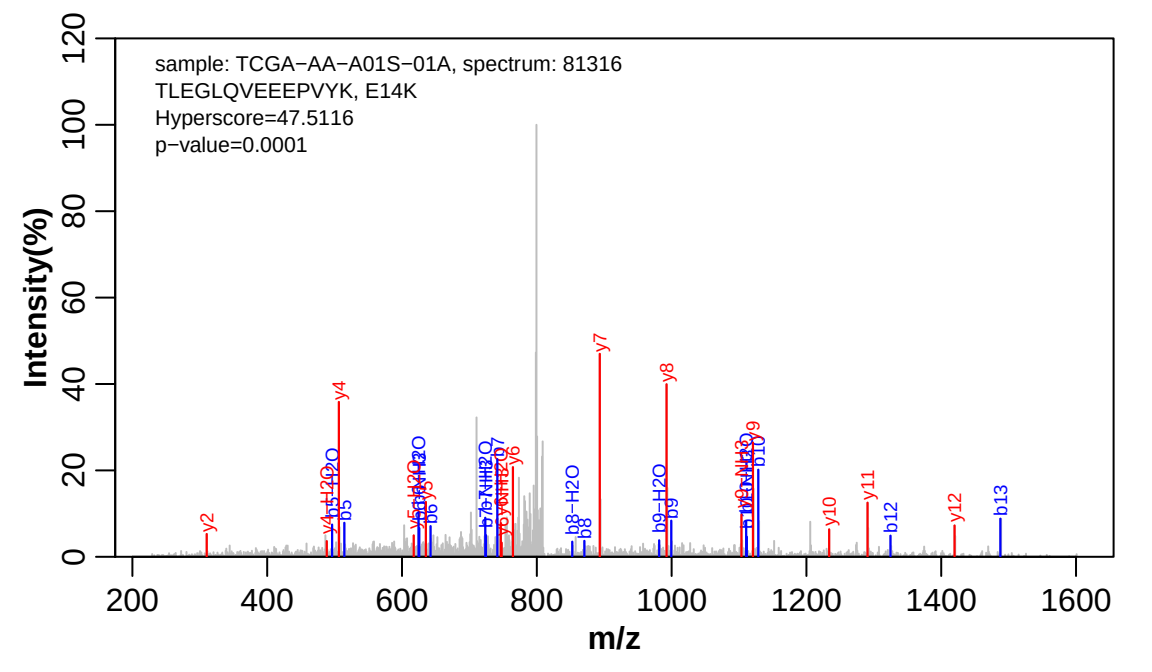

sample: TCGA−AA−A01S−01A, spectrum: 53231
SLQEEQSRPTTAVSSPGGPAR, P10T
Hyperscore=43.7856
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y6
y8
y13
b12++
b14++
b13++−H2O
b14++−H2O
b15++−H2O
b18++−H2O
b17++
b18++−NH3
b8
b20++
y9
y6++
y8++
y13++
b5++−H2O
b8++−H2O
b11++−H2O
b12++−H2O
b13++−H2O
y14++
y5−NH3
y6−H2O
y8−H2O
b6−NH3
b7−H2O
b8−H2O
y9−H2O
y18++−NH3
b9++
b20++
y9++

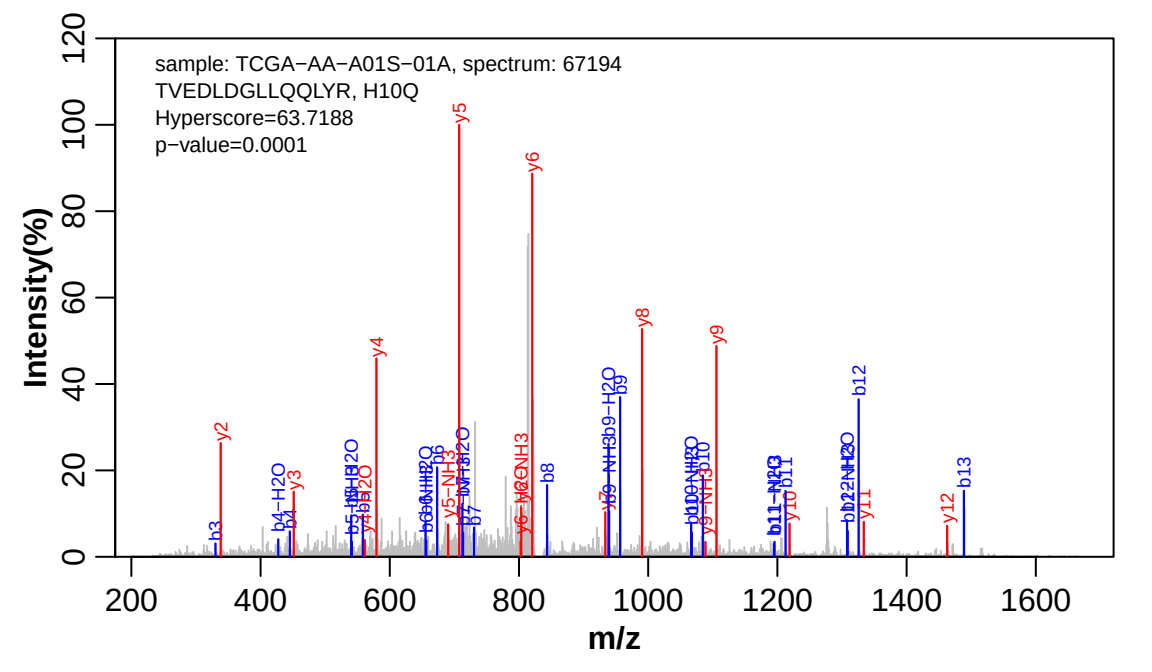

sample: TCGA−AA−A01S−01A, spectrum: 53325
SPADPTDLGGQTSPR, I6T
Hyperscore=47.6597
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
b4
y3
y4
y5
y6
b7−NH3
b7−H2O
y7
y7−NH3
y8
b8−H2O
y8−NH3
b9
y9
b10
b11
y11−NH3
y11−H2O
b12
b13
y12
y13
y11

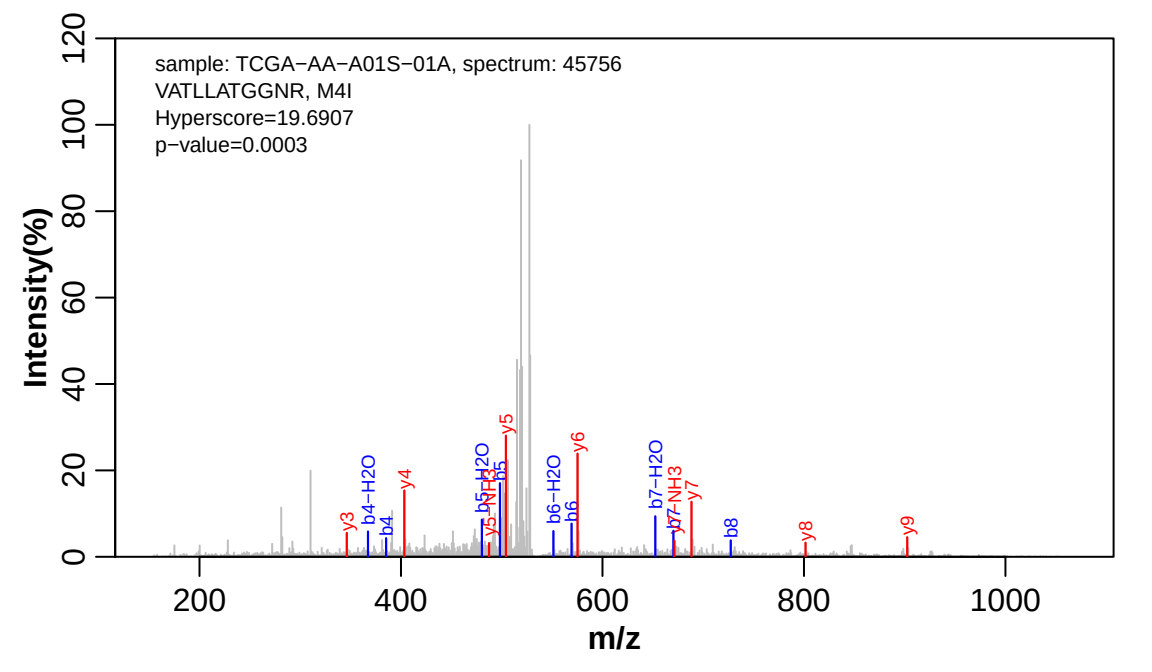

sample: TCGA−AA−A01S−01A, spectrum: 18138
SSSYSGEYGSGGGKR, G10S
Hyperscore=12.3905
p−value=0.0014
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
m/z
y7
b7−NH3
b7−H2O
b7
y8
b8−H2O
y10
y11
b14

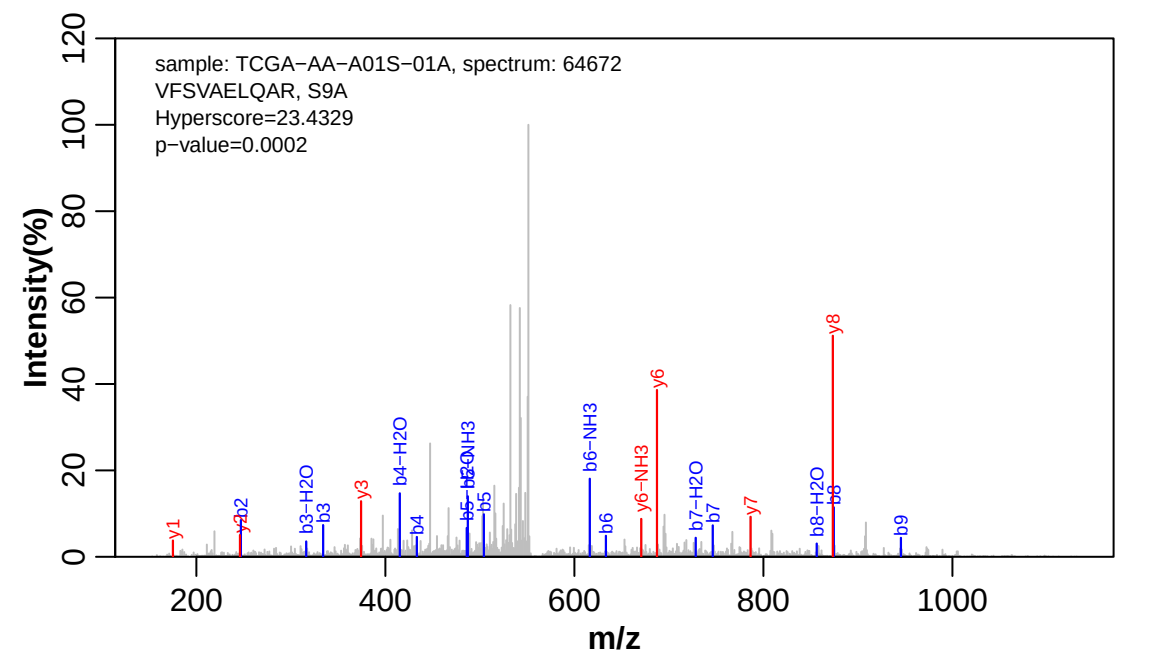

sample: TCGA−AA−A01S−01A, spectrum: 23648
SSTTSTWELLDPR, Q12P
Hyperscore=26.4447
p−value=0.0001
Intensity(%)
m/z
y2
y3
y4
y5
y7
y8
y8−NH3
y9
b8
b9
b9−H2O
b10
b10−H2O
b11

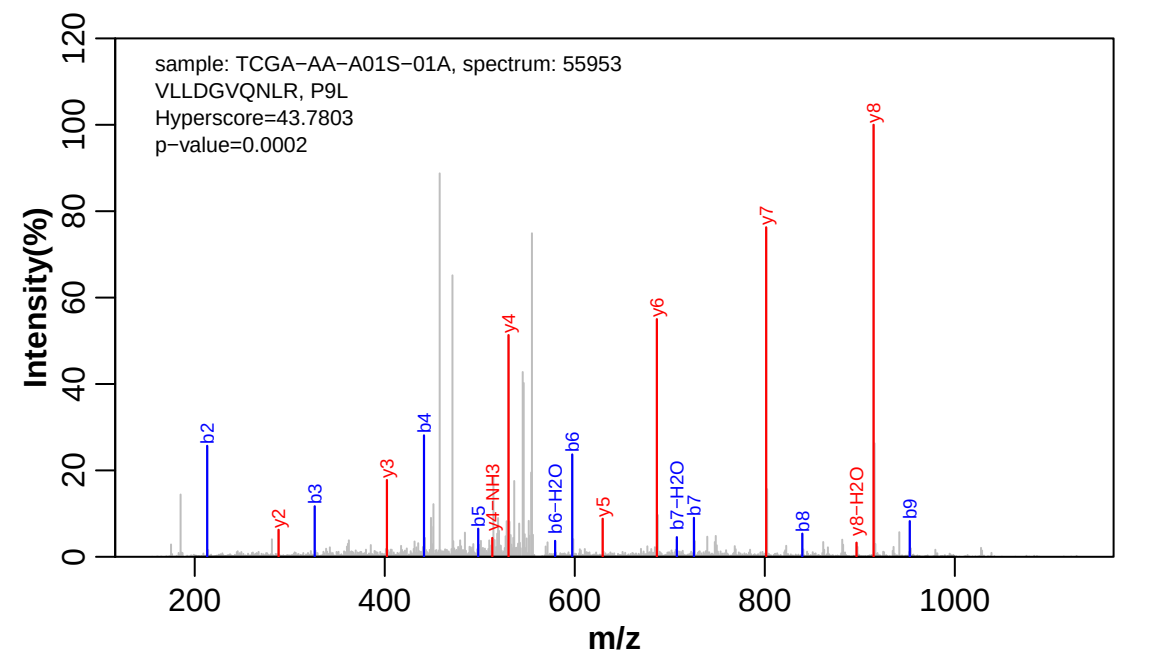

sample: TCGA−AA−A01S−01A, spectrum: 44610
STESLQTNVQR, A7T
Hyperscore=43.2313
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
b4−H2O
y3
b4
b5−H2O
y4
b5
y5−NH3
y5
b6
y6
b7
b8−H2O
y7
b8
y8
b9
b10
b10−H2O

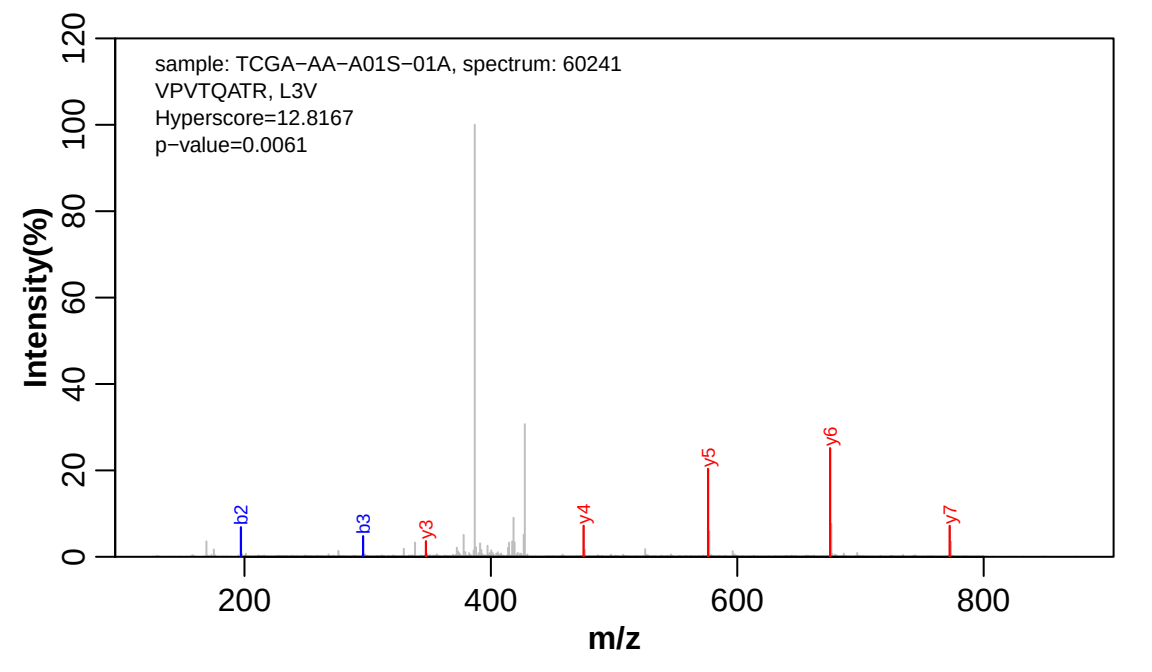

sample: TCGA−AA−A01S−01A, spectrum: 81316
TLEGLQVEEEPVYK, E14K
Hyperscore=47.5116
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y4
y5
y6
y7
y8
y9
y10
y11
y12
b5
b8
b9
b10
b12
b13

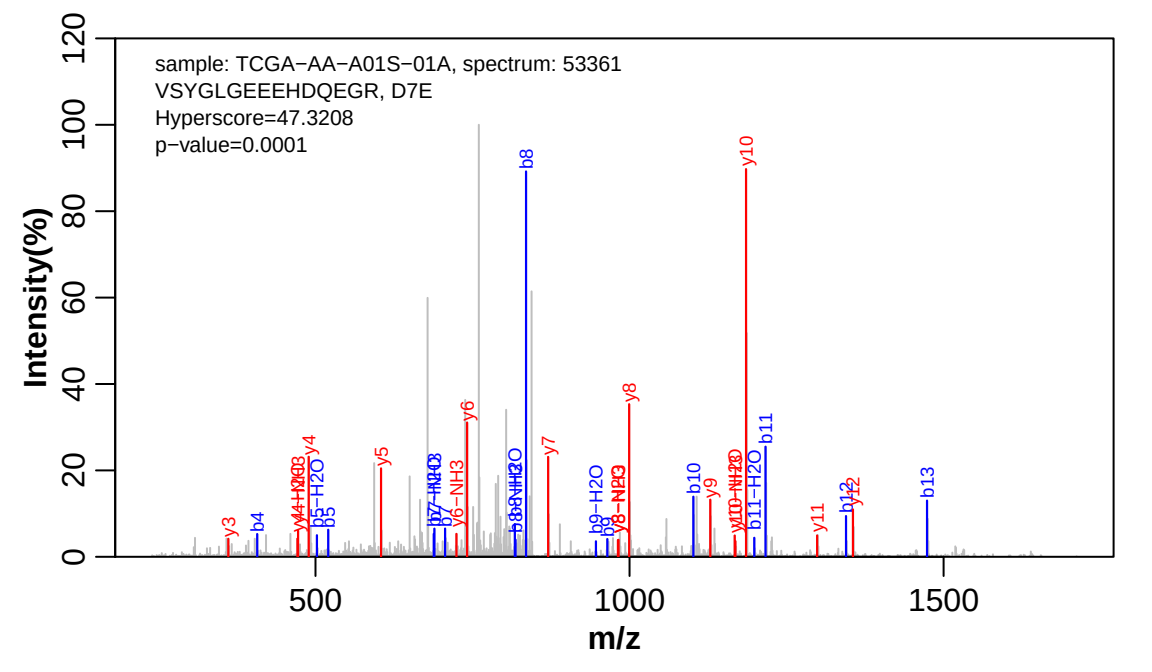

sample: TCGA−AA−A01S−01A, spectrum: 67194
TVEDLDGLLQQLYR, H10Q
Hyperscore=63.7188
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y4
y8
y9
y2
b3
b4−H2O
b4
y3
b8
b9−H2O
b9
b12
b13
y10
y11
y12

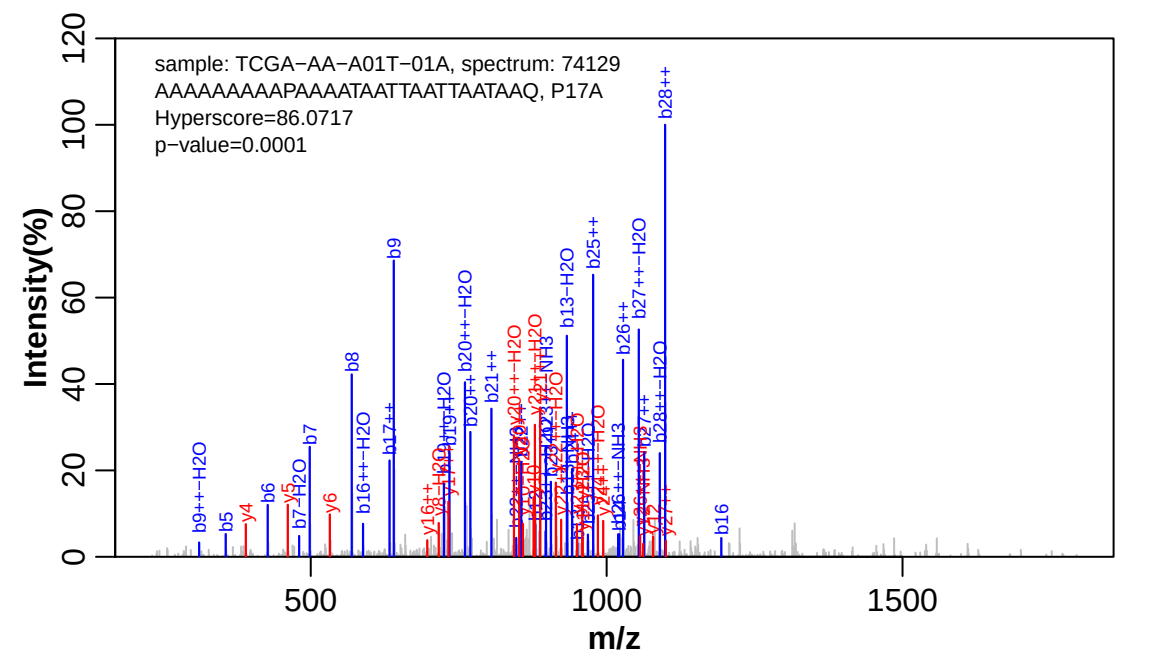

sample: TCGA−AA−A01S−01A, spectrum: 45756
VATLLATGGNR, M4I
Hyperscore=19.6907
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y3
b4−H2O
b4
y4
b5−H2O
b5−NH3
b5
y5
y6
b6−H2O
b6
b7−H2O
y7−NH3
y7
b8
y8
y9

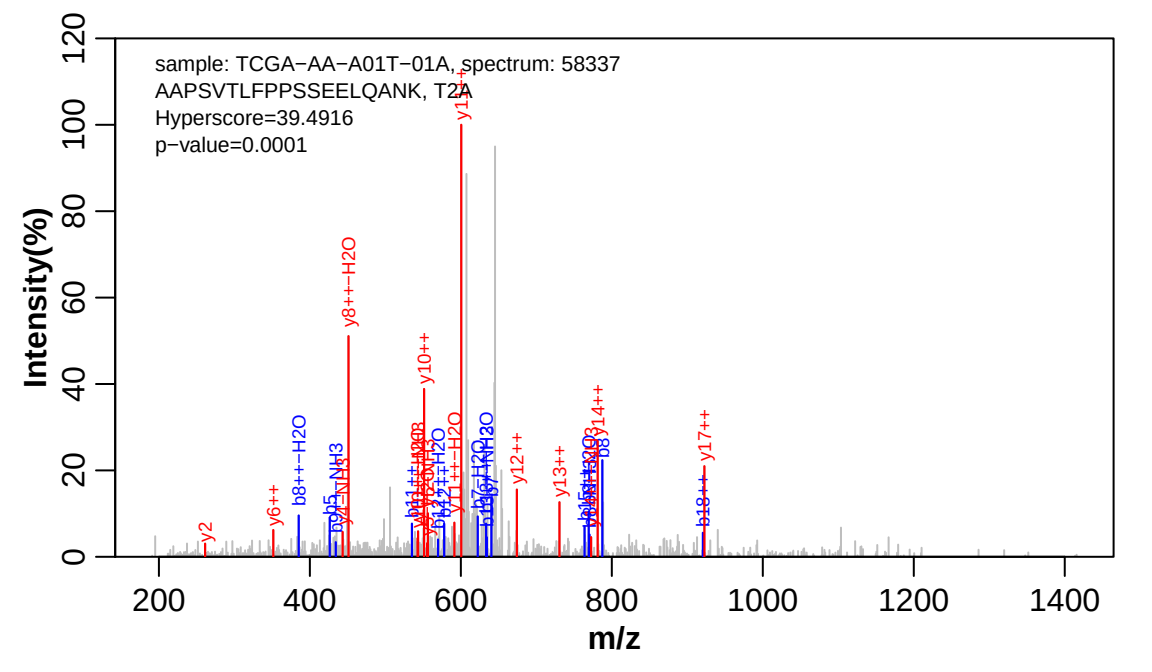

sample: TCGA−AA−A01S−01A, spectrum: 64672
VFSVAELQAR, S9A
Hyperscore=23.4329
p−value=0.0002
Intensity(%)
m/z
y1
y2
b2
b3−H2O
b3
y3
b4−H2O
b4
b5−H2O
b5−NH3
b5
b6−NH3
b6
y6−NH3
y6
b7−H2O
b7
y7
b8−H2O
b8
y8
b9

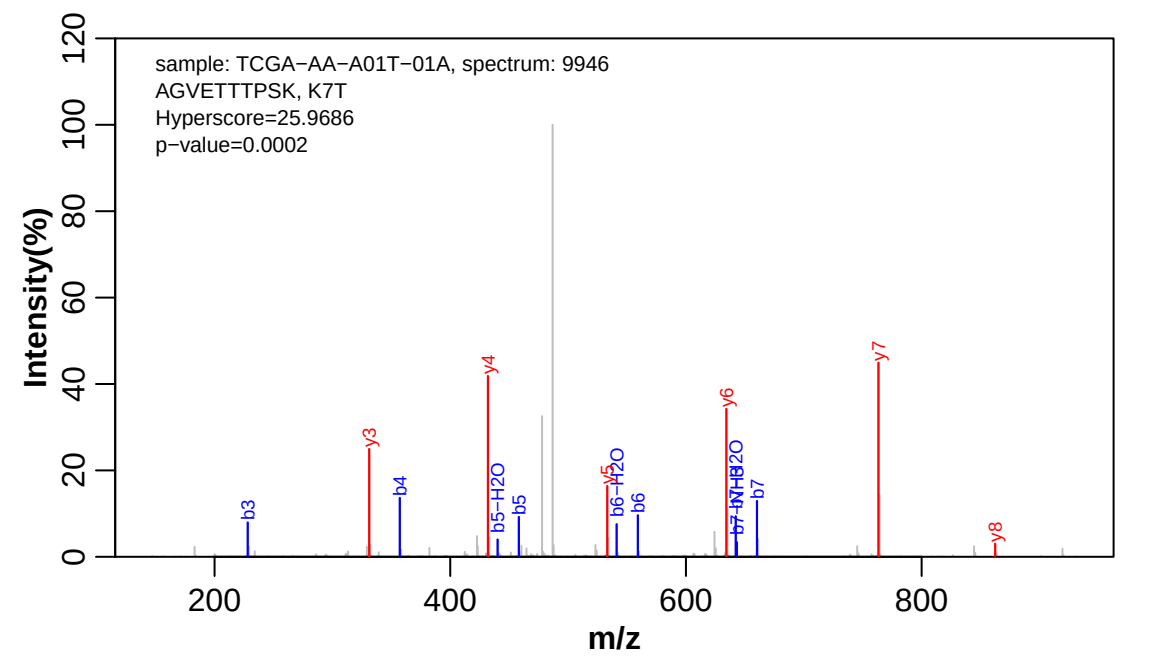

sample: TCGA−AA−A01S−01A, spectrum: 55953
VLLDGVQNLR, P9L
Hyperscore=43.7803
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
b3
y3
b4
y4
b5
y4−NH3
b6−H2O
b6
y5
y6
b7−H2O
b7
b8
y7
y8−H2O
y8
b9

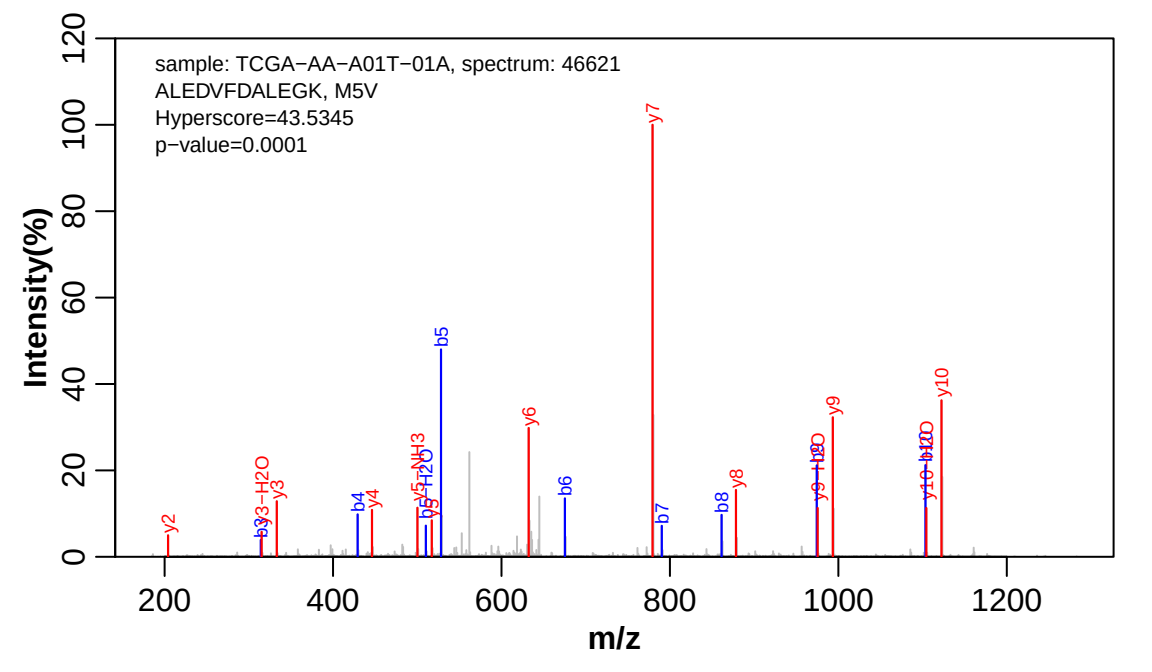

sample: TCGA−AA−A01S−01A, spectrum: 60241
VPVTQATR, L3V
Hyperscore=12.8167
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3
y4
y5
y6
y7

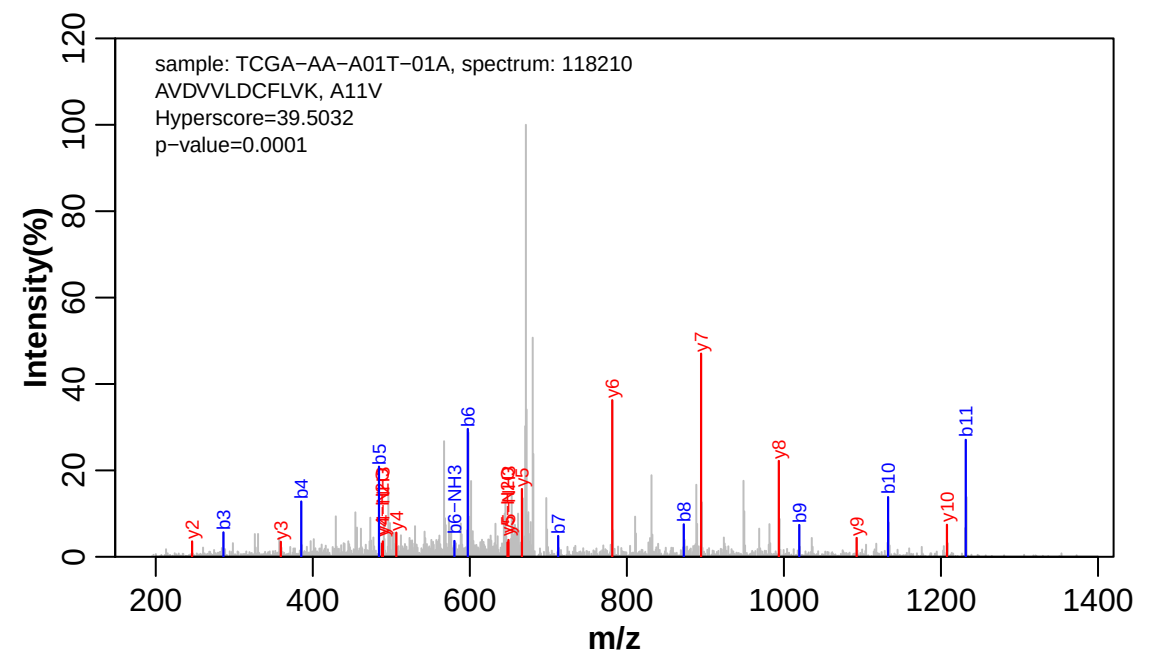

sample: TCGA−AA−A01S−01A, spectrum: 53361
VSYGLGEEEHDQEGR, D7E
Hyperscore=47.3208
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b4
y4
b5
b5−H2O
y5
y6
y6−NH3
b8
b8−H2O
y7
y8
b9−H2O
b10
y9
b11
b11−H2O
y11
b12
y12
b13
y10

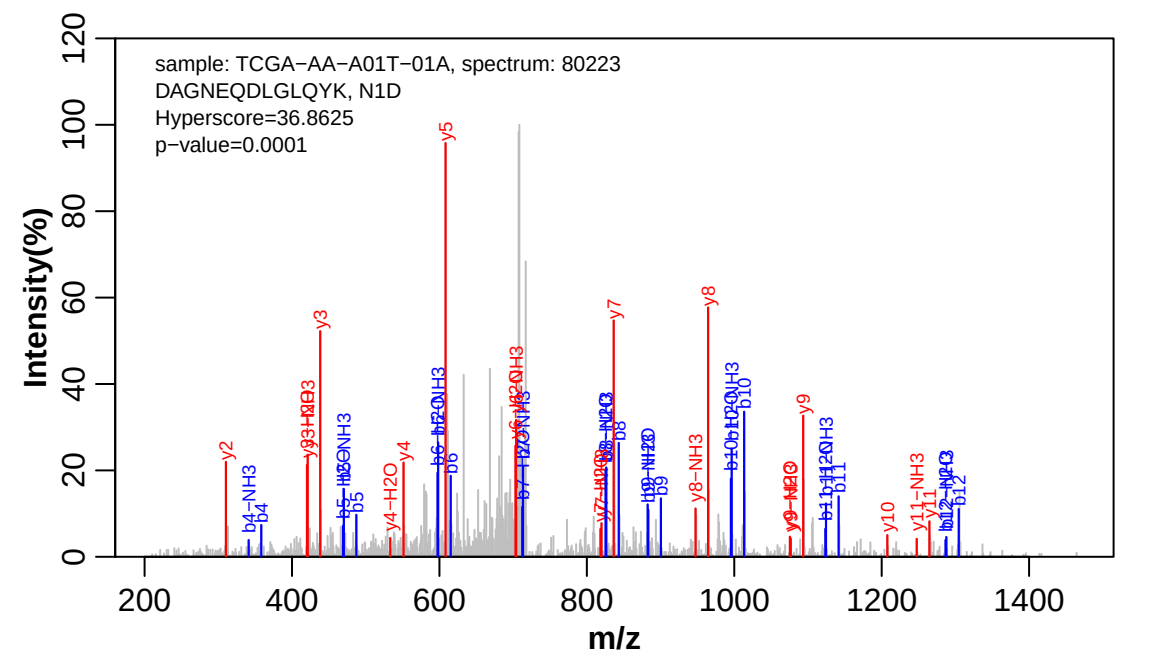

sample: TCGA−AA−A01T−01A, spectrum: 74129
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=86.0717
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b25++
b13−H2O
b27++−H2O
b9
b8
b20++−H2O
b17++
b16++−H2O
b7
b6
b5
b9++−H2O
y4
y6
y5
b7−H2O
b16
b28++−H2O

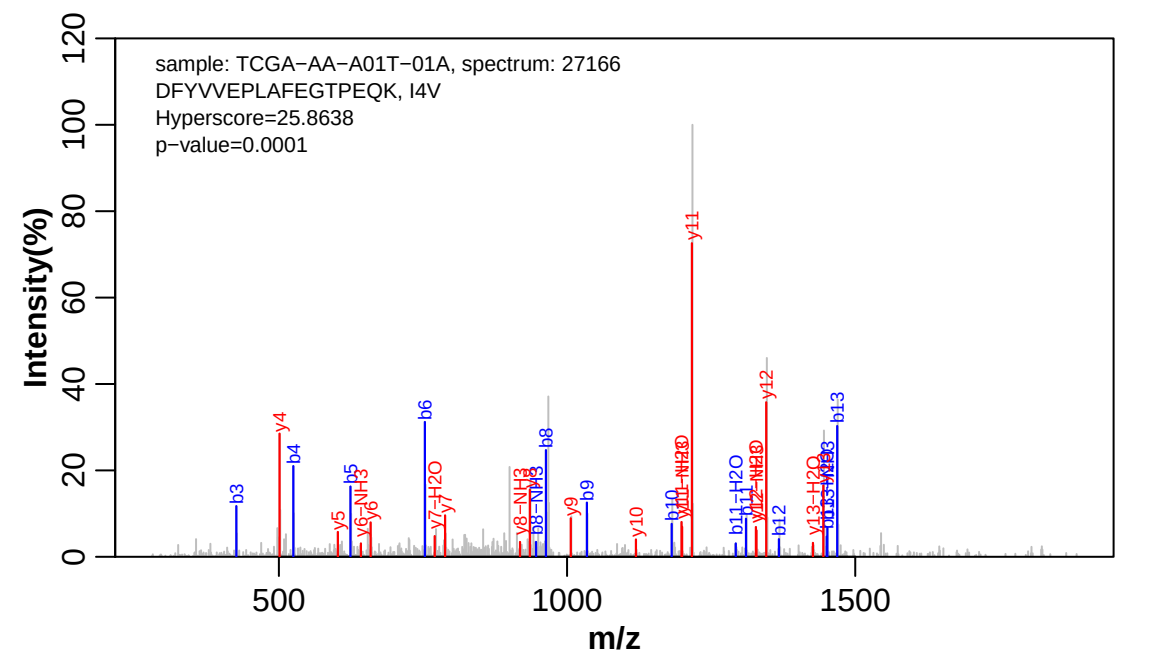

sample: TCGA−AA−A01T−01A, spectrum: 58337
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=39.4916
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y6++
b8++−H2O
y8++−H2O
y10++
y11++
y11++−H2O
y12++
y13++
y14++
y17++

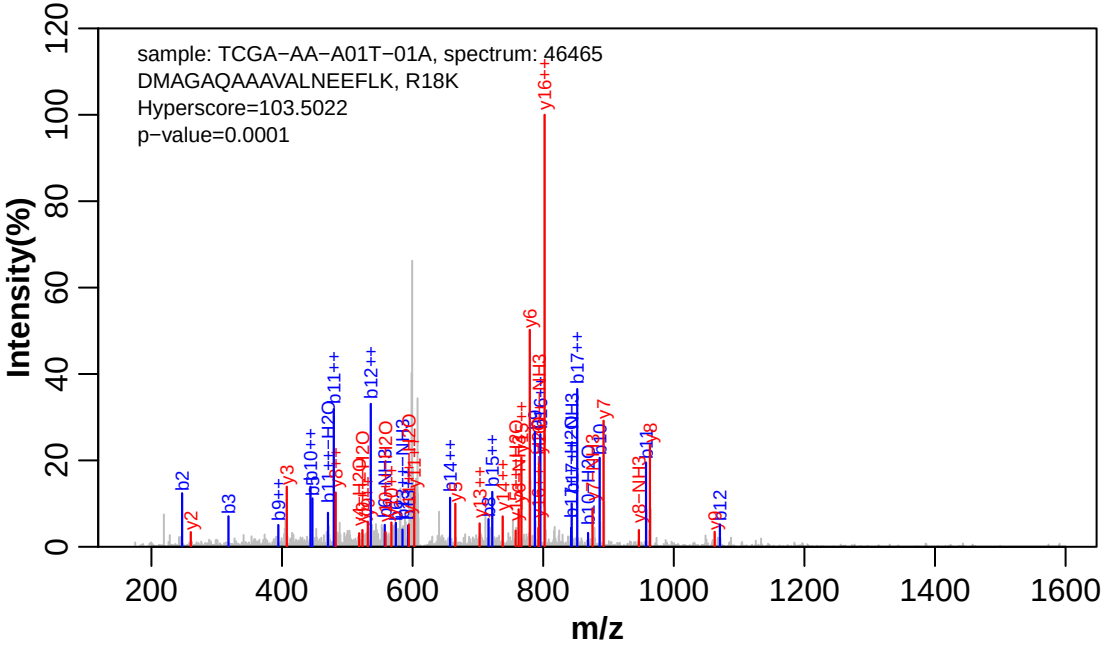

sample: TCGA−AA−A01T−01A, spectrum: 9946
AGVETTTPSK, K7T
Hyperscore=25.9686
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
y8

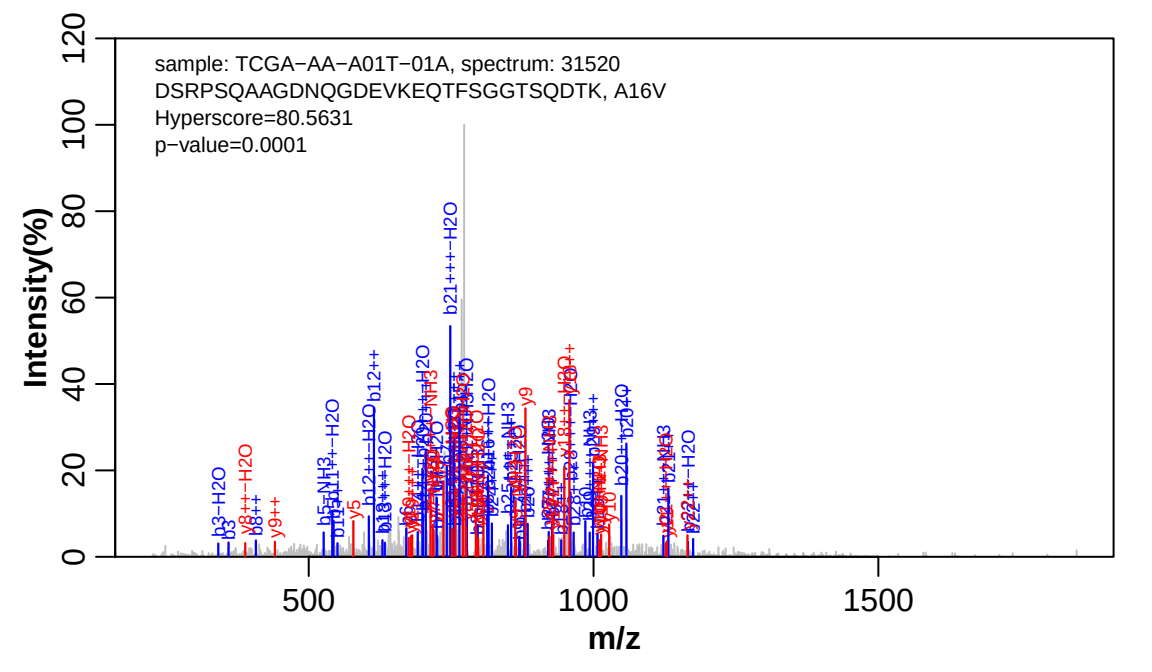

sample: TCGA−AA−A01T−01A, spectrum: 46621
ALEDVFDALEGK, M5V
Hyperscore=43.5345
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4
y4
y5−NH3
b5−H2O
b5
y6
b6
y7
b7
b8
y8
y9−H2O
y9
y10−H2O
y10

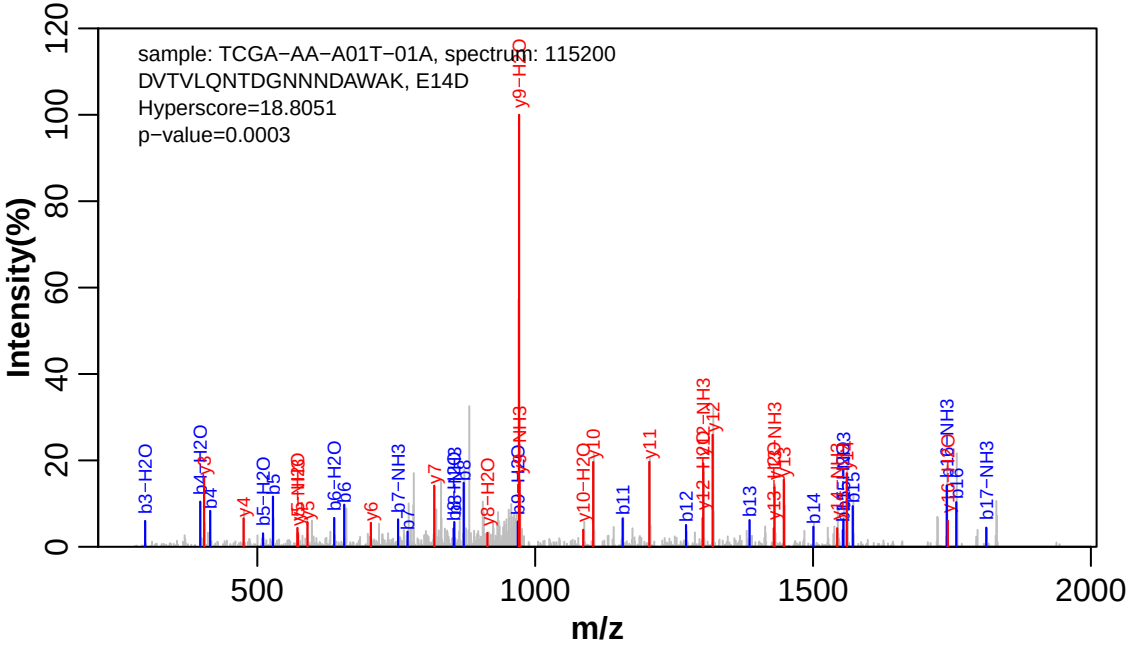

sample: TCGA−AA−A01T−01A, spectrum: 118210
AVDVVLDCFLVK, A11V
Hyperscore=39.5032
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
b5
y4
b6
b6−NH3
y5
b7
y6
y7
b8
y8
b9
y9
b10
y10
b11

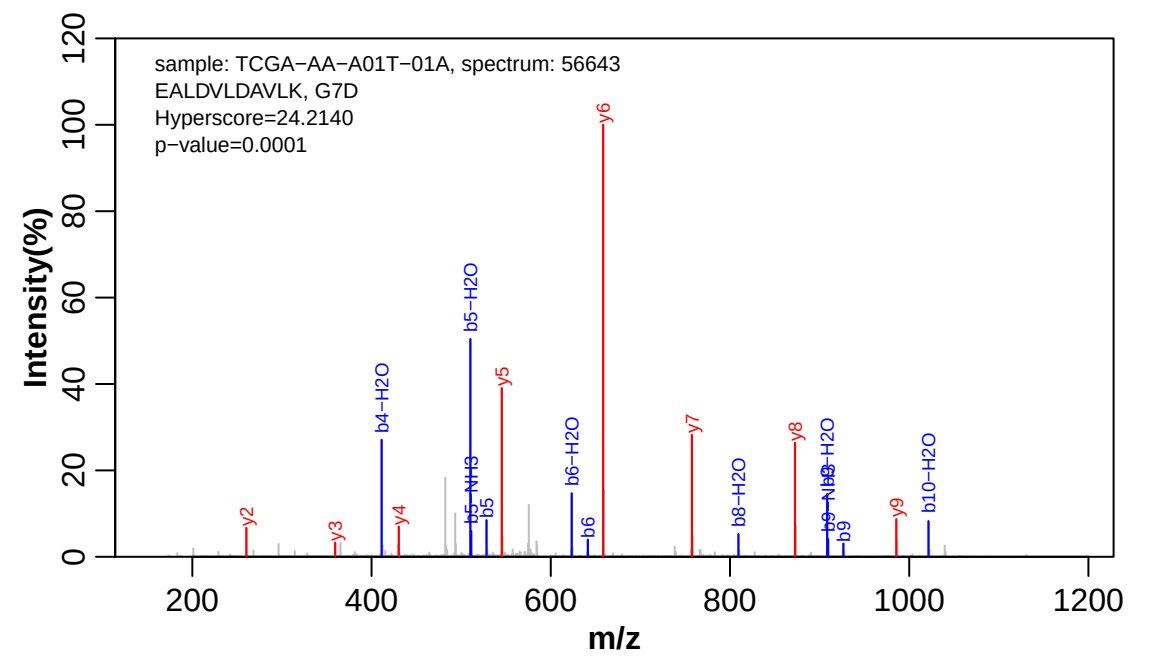

sample: TCGA−AA−A01T−01A, spectrum: 80223
DAGNEQDLGLQYK, N1D
Hyperscore=36.8625
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y3
y2
y4
y7
y8
y9
y10
y11
b4
b5
b6
b7
b8
b9
b10
b11
b12
y8−NH3
y4−H2O
y11−NH3
b4−NH3
b10−NH3

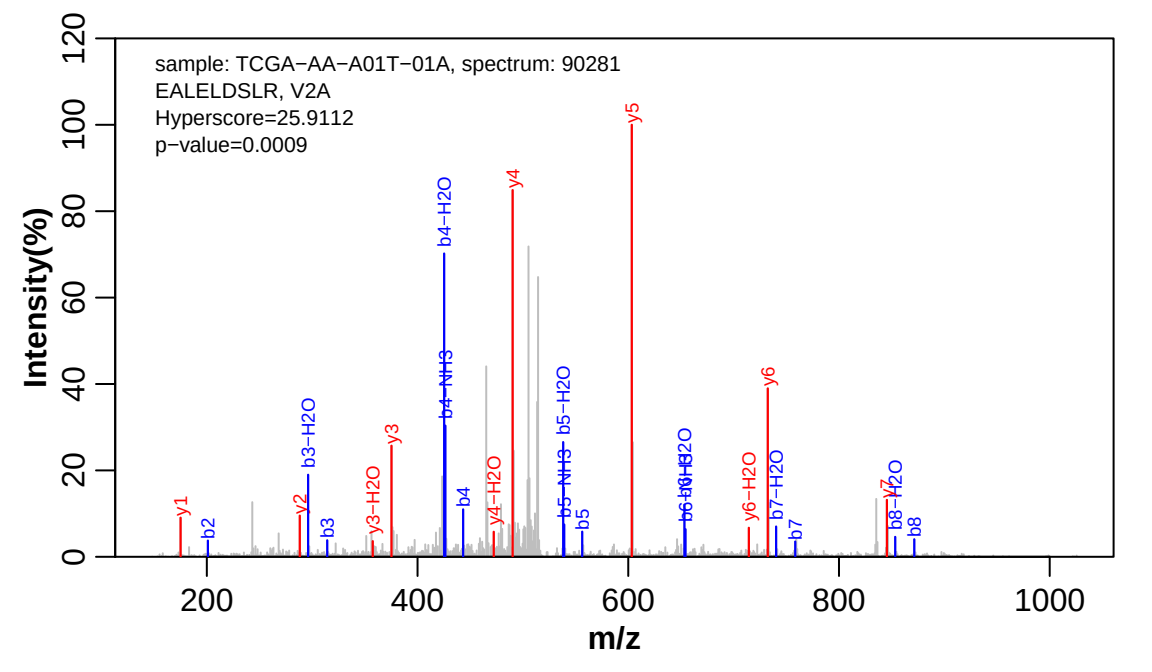

sample: TCGA−AA−A01T−01A, spectrum: 27166
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=25.8638
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
y5
b5
y6−NH3
y6
b6
y7−H2O
y7
y8−NH3
b8−NH3
b8
y9
b9
y10
b10
y11
b11−H2O
b11
y12
b12
b13

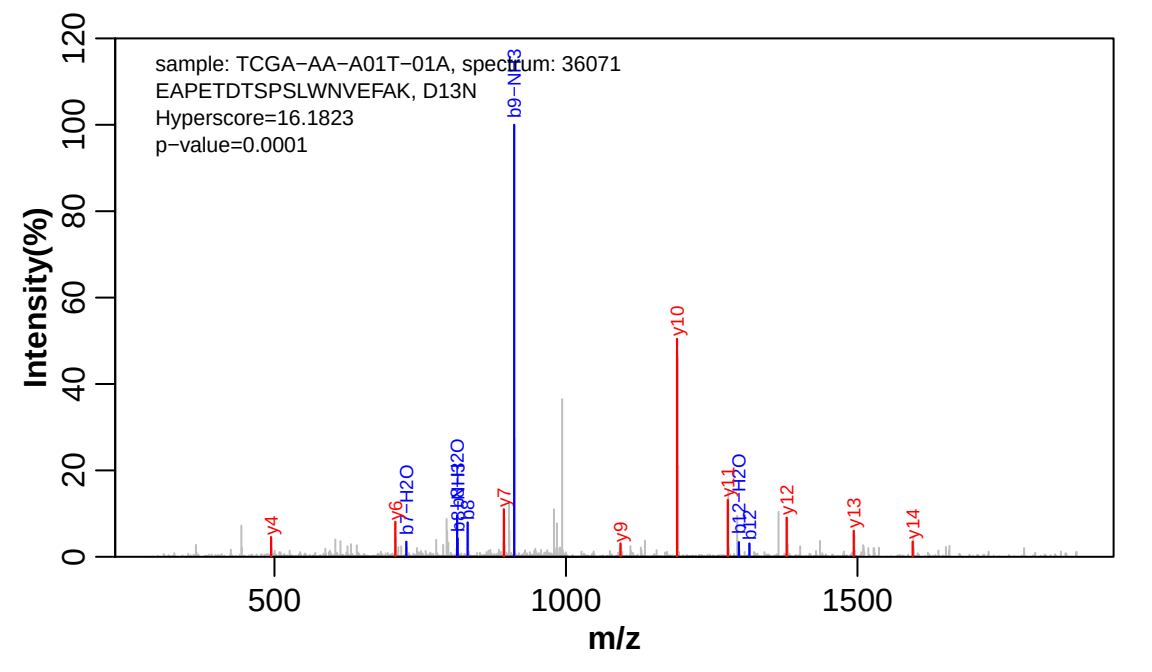

sample: TCGA−AA−A01T−01A, spectrum: 46465
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=103.5022
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y16++
y6
y6−NH3
b17++
b2
y2
b3
b9++
y3
b5
b10++
b11++−H2O
b11++
y8++
b12++
y14++
y13++
b14++
b15++
y7
b18
y8−NH3
y12

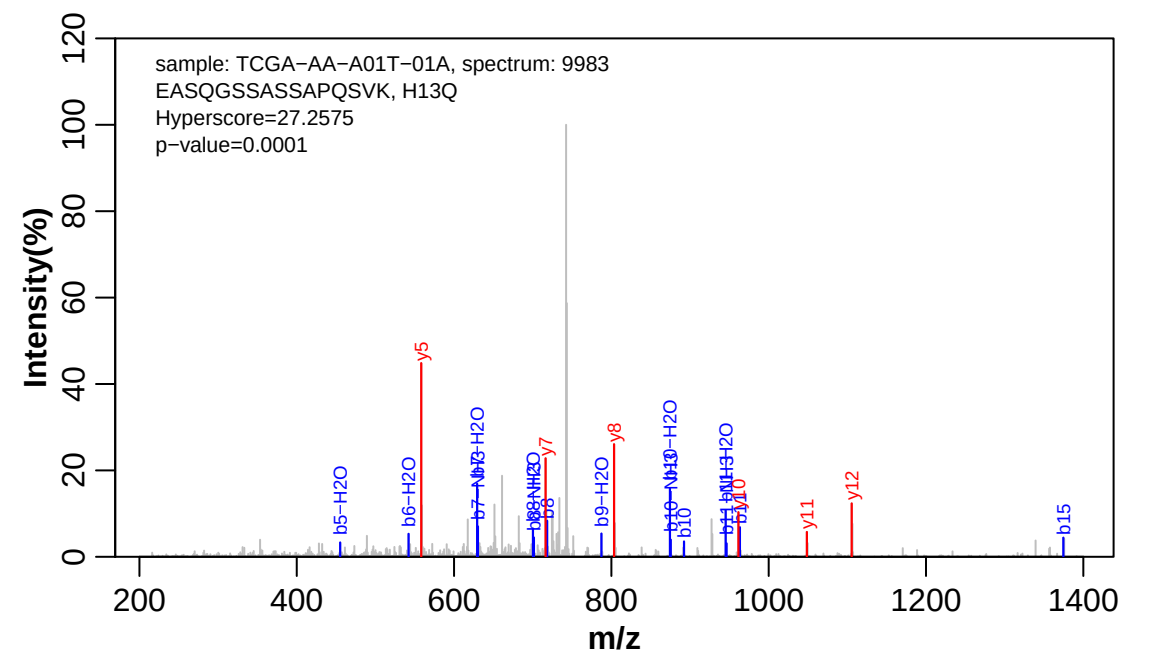

sample: TCGA−AA−A01T−01A, spectrum: 31520
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=80.5631
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

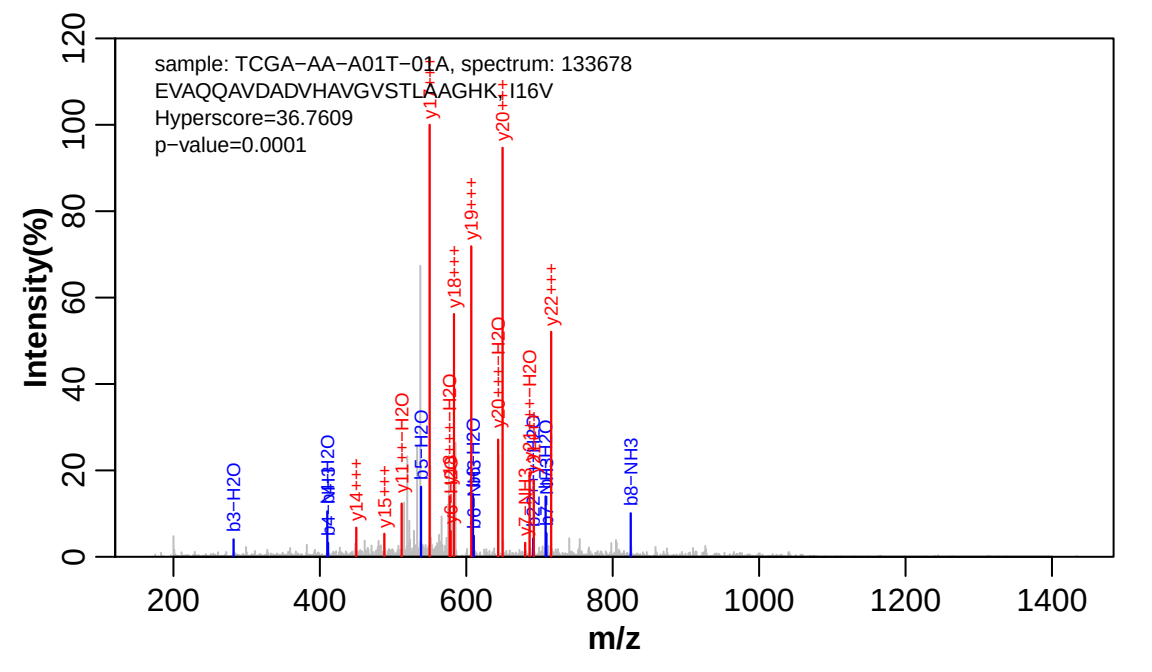

sample: TCGA−AA−A01T−01A, spectrum: 115200
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=18.8051
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y9−H2O
b3−H2O
b4−H2O
y4
b5−H2O
b6−H2O
y6
b7−NH3
y7
y8−H2O
y10−H2O
y10
y11
b11
b12
b13
b14
b17−NH3

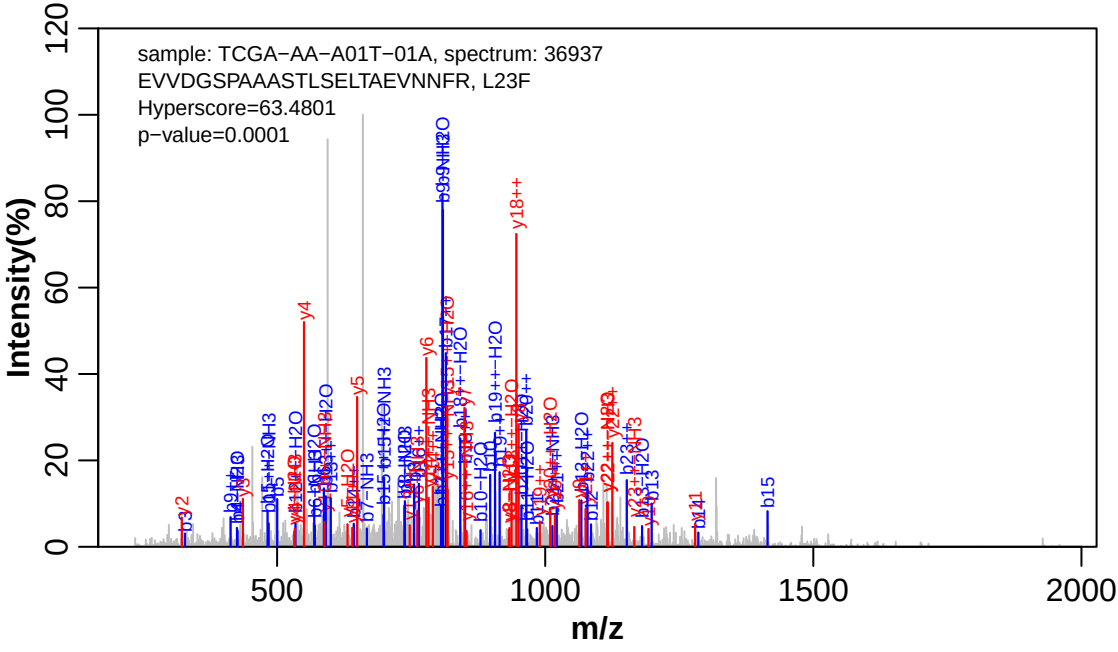

sample: TCGA−AA−A01T−01A, spectrum: 56643
EALDVLDAVLK, G7D
Hyperscore=24.2140
p−value=0.0001
Intensity(%)
m/z
y6
b5−H2O
b4−H2O
y5
y7
y8
b6−H2O
b8−H2O
b10−H2O
y2
y3
y4
b5−NH3
b5
b6
b9−NH3
b9−H2O
b9
y9

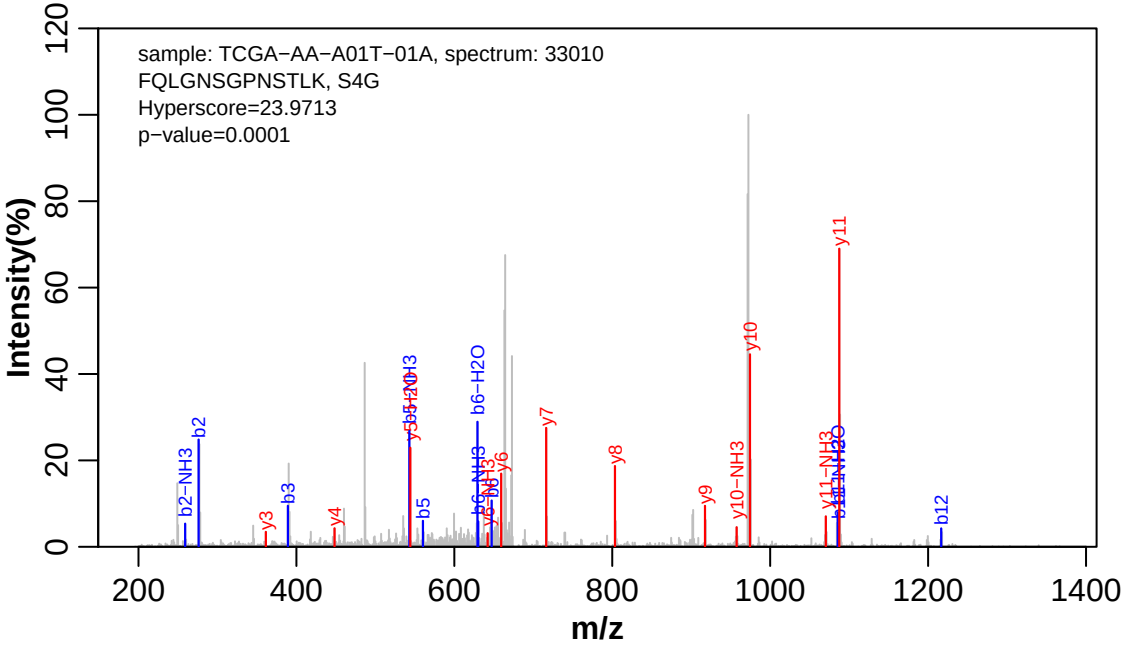

sample: TCGA−AA−A01T−01A, spectrum: 90281
EALELDSLR, V2A
Hyperscore=25.9112
p−value=0.0009
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3−H2O
b3
y3
y3−H2O
b4−H2O
b4−NH3
b4
y4
y4−H2O
b5−H2O
b5−NH3
b5
y5
b6−H2O
b6−NH3
y6
y6−H2O
b7−H2O
b7
b8−H2O
b8

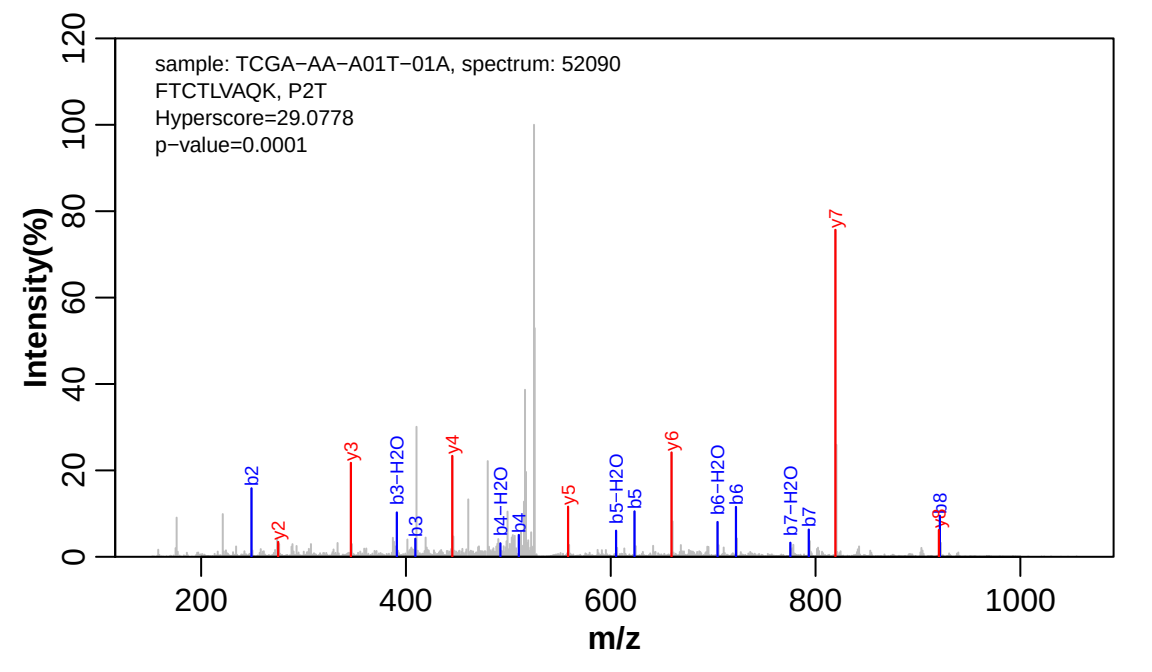

sample: TCGA−AA−A01T−01A, spectrum: 36071
EAPETDTSPSLWNVEFAK, D13N
Hyperscore=16.1823
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9−NH3
y10
y4
y6
b7−H2O
b8−NH3
b8
y7
y9
y11
b12−H2O
b12
y12
y13
y14

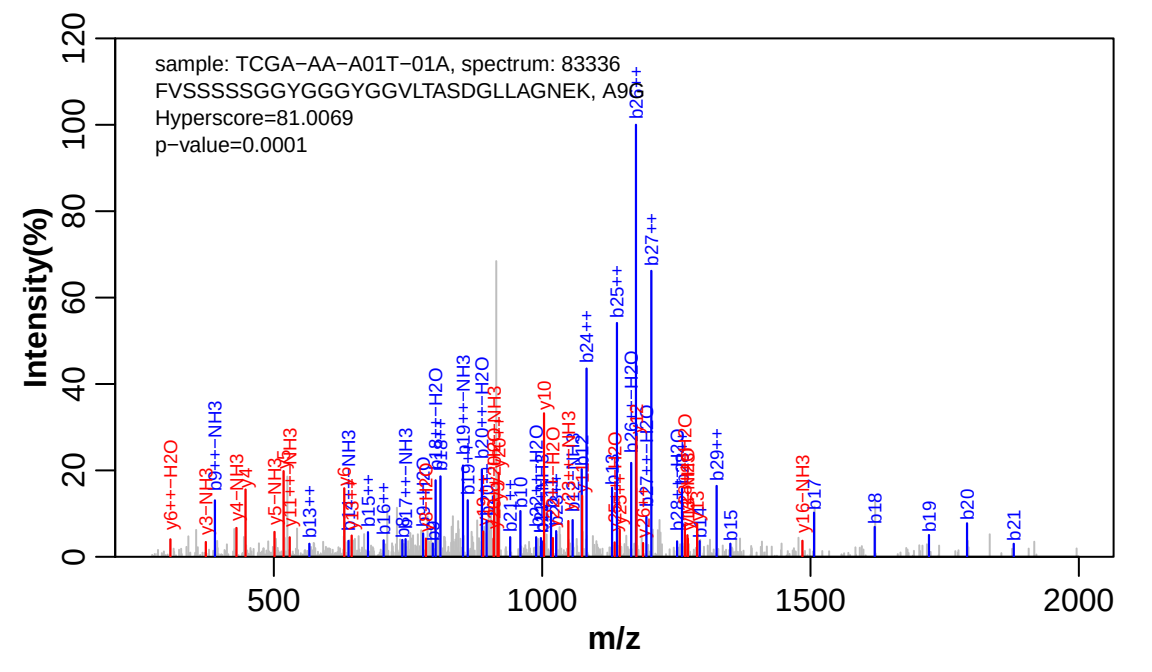

sample: TCGA−AA−A01T−01A, spectrum: 9983
EASQGSSASSAPQSVK, H13Q
Hyperscore=27.2575
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b5−H2O
b6−H2O
y5
b7−H2O
b8−NH3
b8−H2O
y7
y8
b9−H2O
b10−NH3
b10−H2O
b10
y10
y11
y12
b15

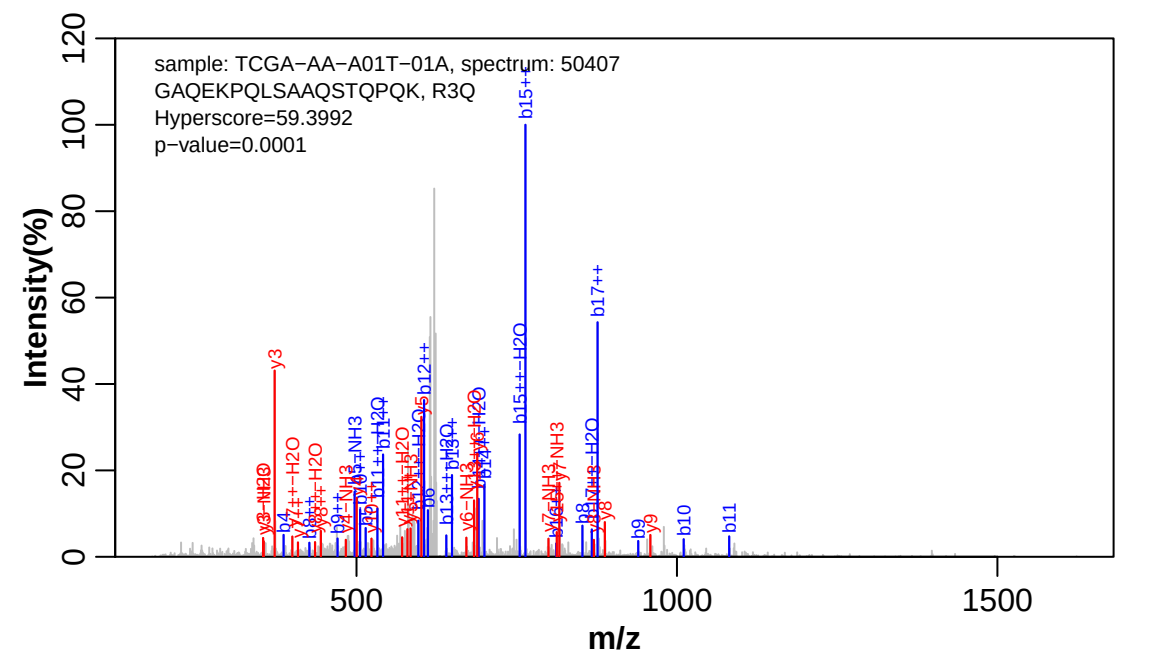

sample: TCGA−AA−A01T−01A, spectrum: 133678
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=36.7609
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b4−NH3
b4−H2O
y14+++
y15+++
y11++−H2O
b5−H2O
y18+++
y19+++
y20++
y20+++−H2O
y22+++
b8−NH3

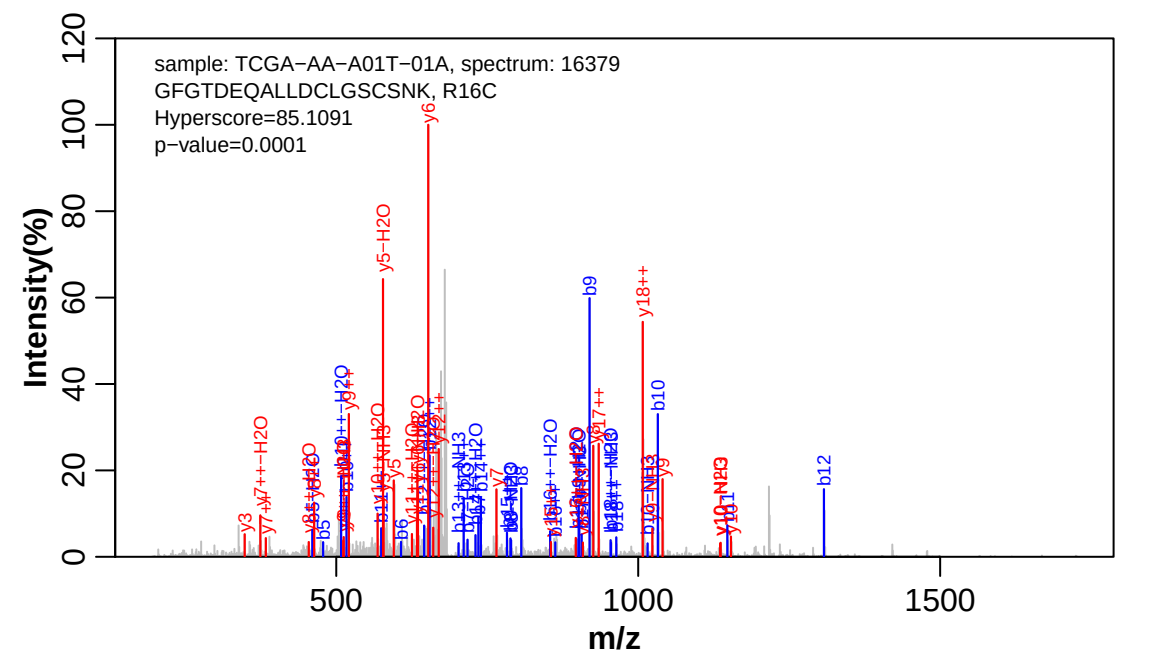

sample: TCGA−AA−A01T−01A, spectrum: 36937
EVVDGSPAAASTLSELTAEVNNFR, L23F
Hyperscore=63.4801
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
y5
y6
y18++
b15
b3/2

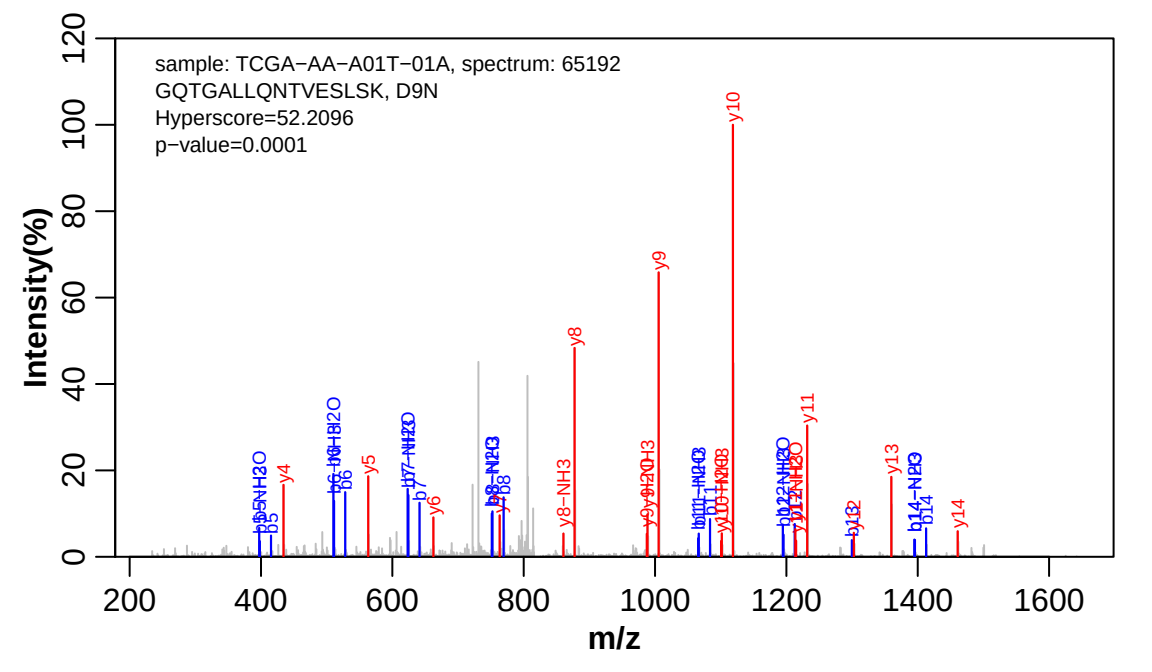

sample: TCGA−AA−A01T−01A, spectrum: 33010
FQLGNSGPNSTLK, S4G
Hyperscore=23.9713
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b2−NH3
y3
b3
y4
b5
y5−H2O
y5−NH3
b6−H2O
b6−NH3
y6
y7
y8
y9
y10
y10−NH3
y11
y11−NH3
b12

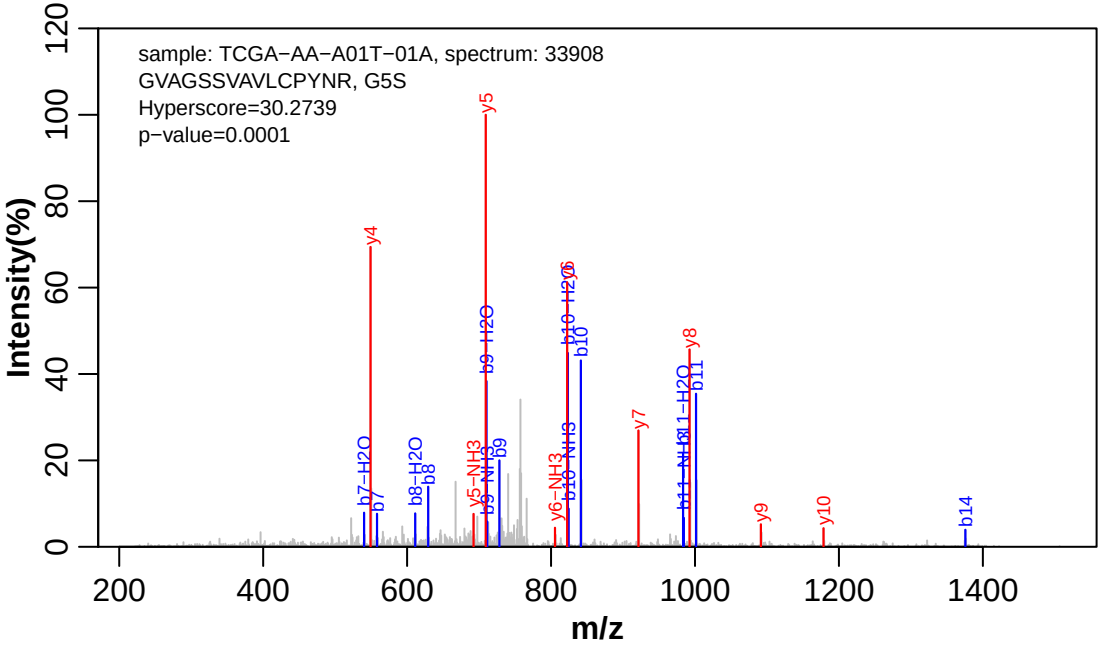

sample: TCGA−AA−A01T−01A, spectrum: 52090
FTCTLVAQK, P2T
Hyperscore=29.0778
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
y3
b3−H2O
b3
y4
b4−H2O
b4
y5
b5−H2O
b5
y6
b6−H2O
b6
b7−H2O
b7
y7
y8

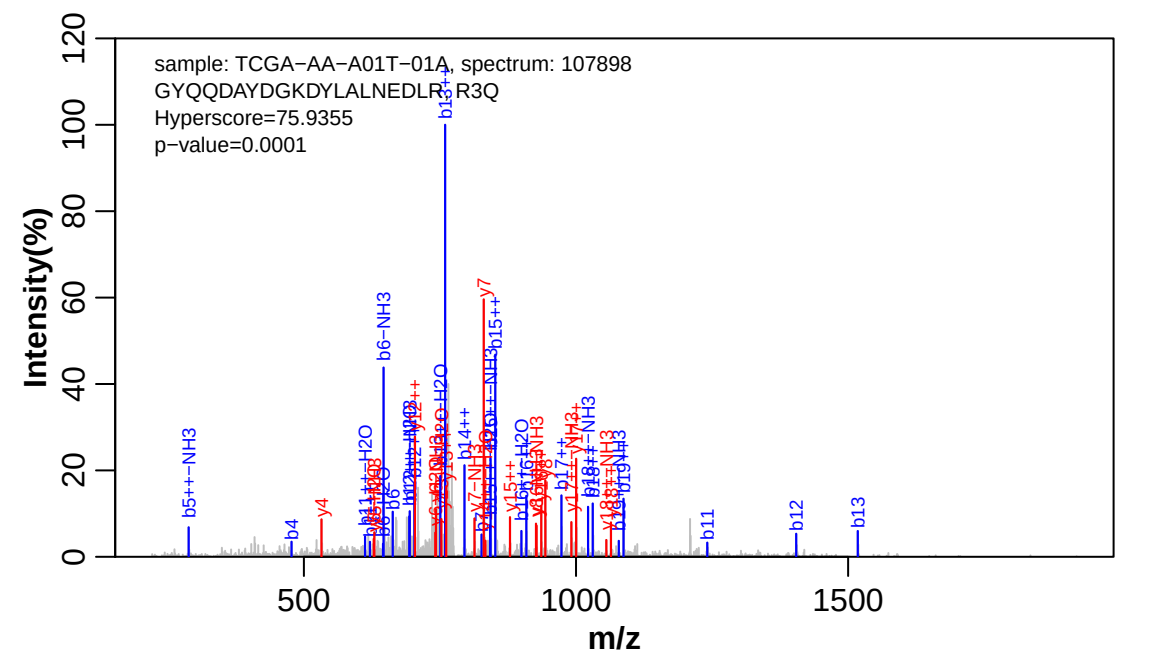

sample: TCGA−AA−A01T−01A, spectrum: 83336
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=81.0069
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6++−H2O
y3−NH3
b3++−NH3
y4−NH3
y4
y5−NH3
y11++−NH3
b13++
y14++−NH3
b15++
b16++
b17++−NH3
b18++−H2O
b19++−NH3
b20++−H2O
b21++
b10
y10
b24++
b25++
b26++−H2O
b27++
b26++
b29++
b15
y16−NH3
b17
b18
b19
b20
b21

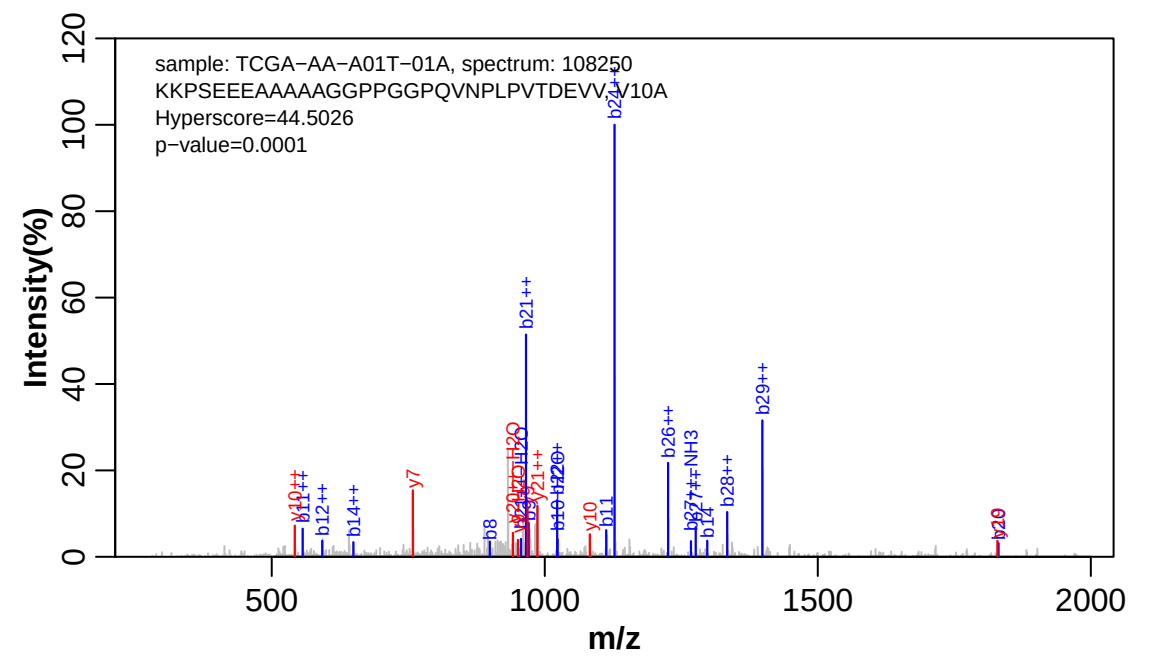

sample: TCGA−AA−A01T−01A, spectrum: 50407
GAQEKPQLSAAQSTQPQK, R3Q
Hyperscore=59.3992
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b15++
y3
b17++
b15++−H2O
b12++
b11
b10
b9
y9
b8
y8
y7−NH3
b7
y6
y5
y4
y3−NH3
y3−H2O
b4
b3

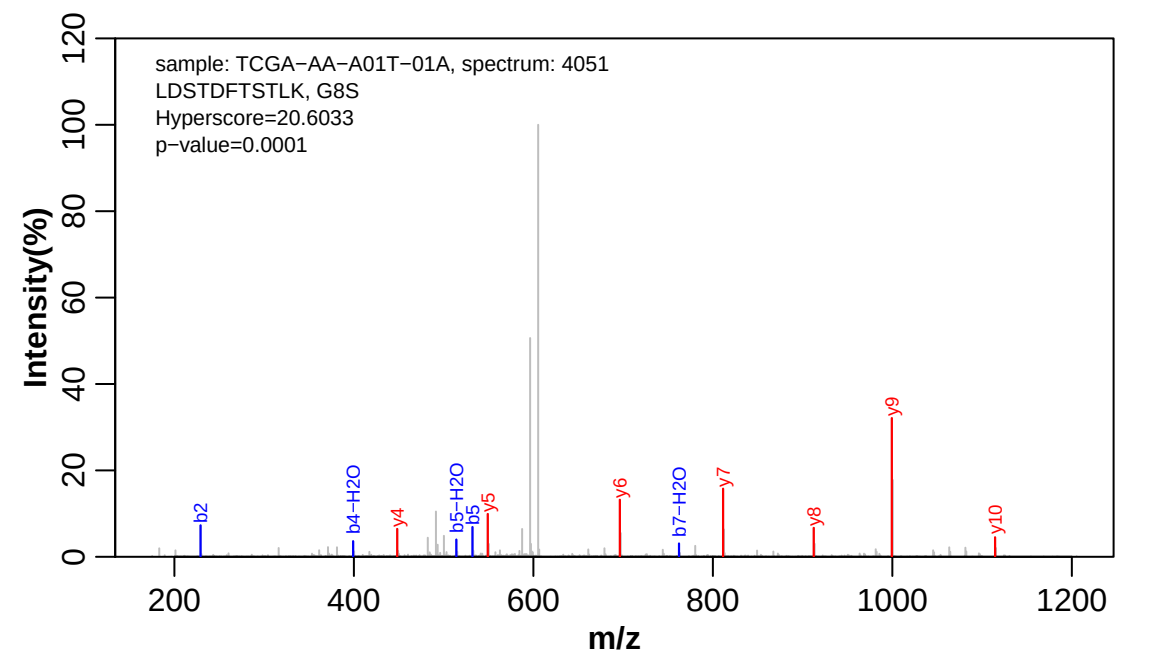

sample: TCGA−AA−A01T−01A, spectrum: 16379
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=85.1091
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
y18++
b9
b10
b12
y3
y7++−H2O
y5
b6
y10−NH3
y10
y11

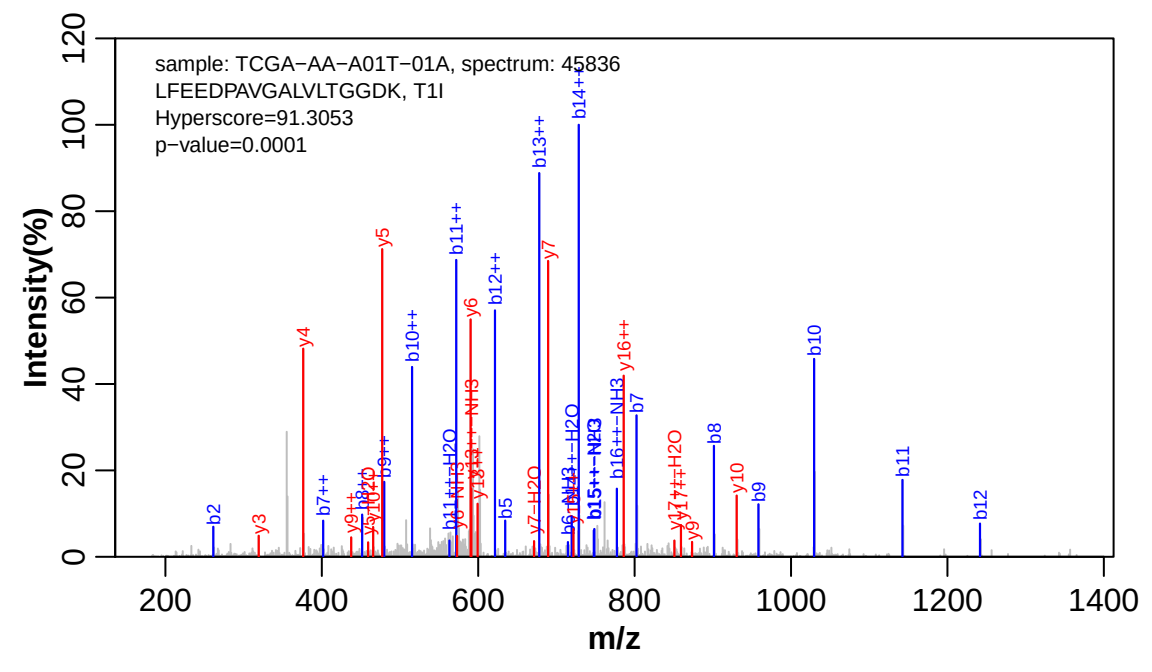

sample: TCGA−AA−A01T−01A, spectrum: 65192
GQTGALLQNTVESLSK, D9N
Hyperscore=52.2096
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
y5
y4
y6
y8−NH3

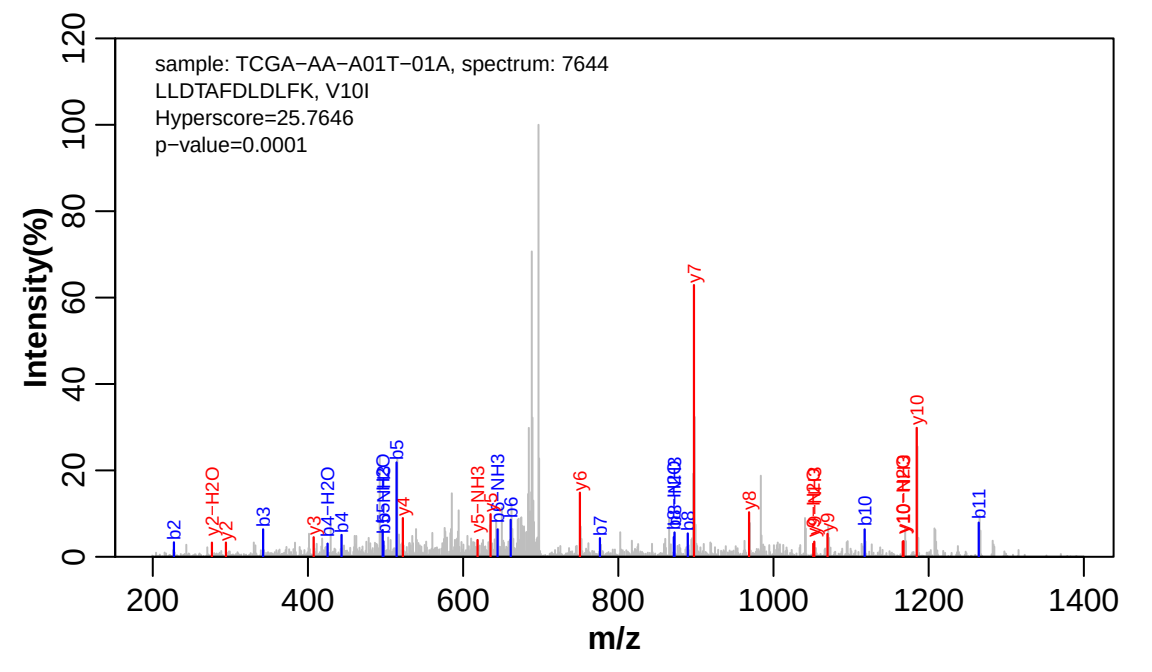

sample: TCGA−AA−A01T−01A, spectrum: 33908
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.2739
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
b10
y8
b11
b11−H2O
y7
b7−H2O
b8−H2O
b8
b7
y5−NH3
b9−NH3
b9
y6−NH3
b10−NH3
y9
y10
b14

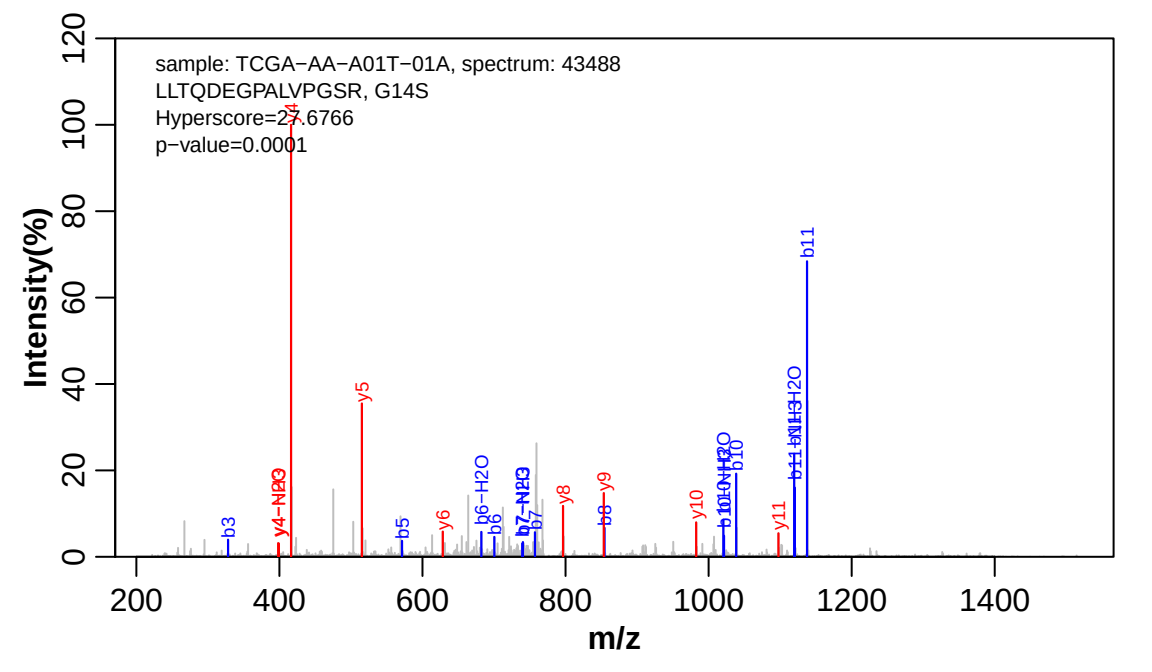

sample: TCGA−AA−A01T−01A, spectrum: 107898
GYQQDAYDGKDYLALNEDLRR3Q
Hyperscore=75.9355
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5++−NH3
b4
y4
b6−NH3
b13++
y7
b15++
b12
b13
b11

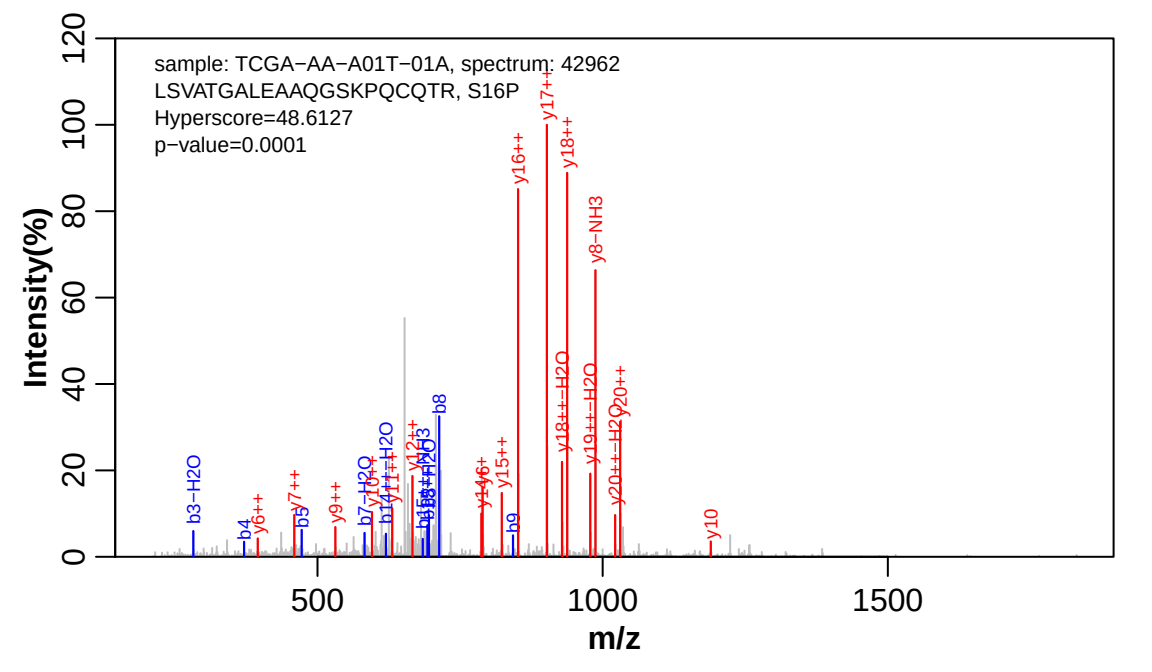

sample: TCGA−AA−A01T−01A, spectrum: 108250
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=44.5026
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b21++
b21++
y7
b8
y10
b11
b26++
b27++−NH3
b14
b28++
b29++
b29
b10
b12++
b14++

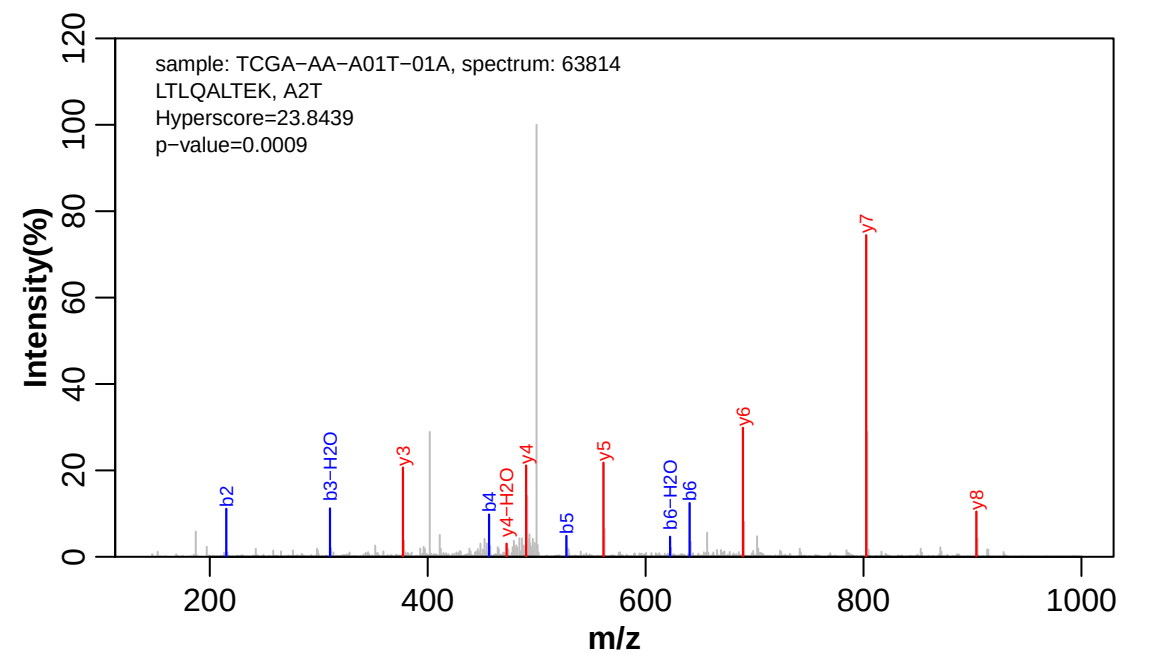

sample: TCGA−AA−A01T−01A, spectrum: 4051
LDSTDFTSTLK, G8S
Hyperscore=20.6033
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
y6
b7−H2O
y7
y8
y9
y10

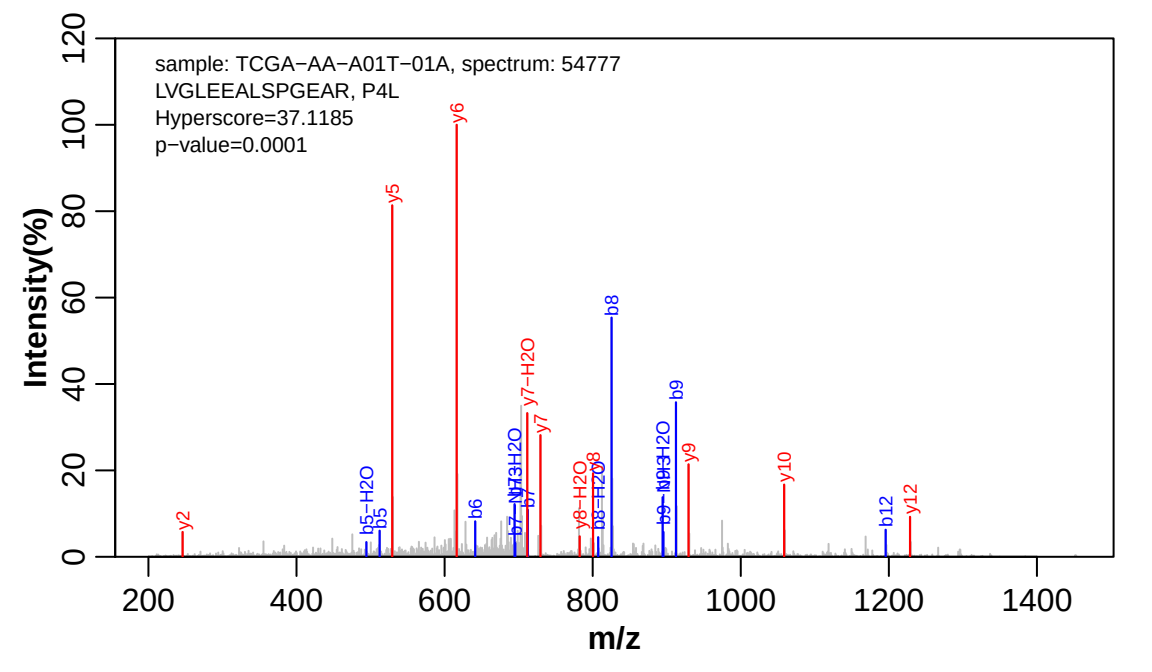

sample: TCGA−AA−A01T−01A, spectrum: 45836
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=91.3053
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
y5
b10++
b11++
b12++
y6
b13++
y7
b14++
b5
b16++−NH3
y16++
b7
b8
b10
b11
b12
b9
y10

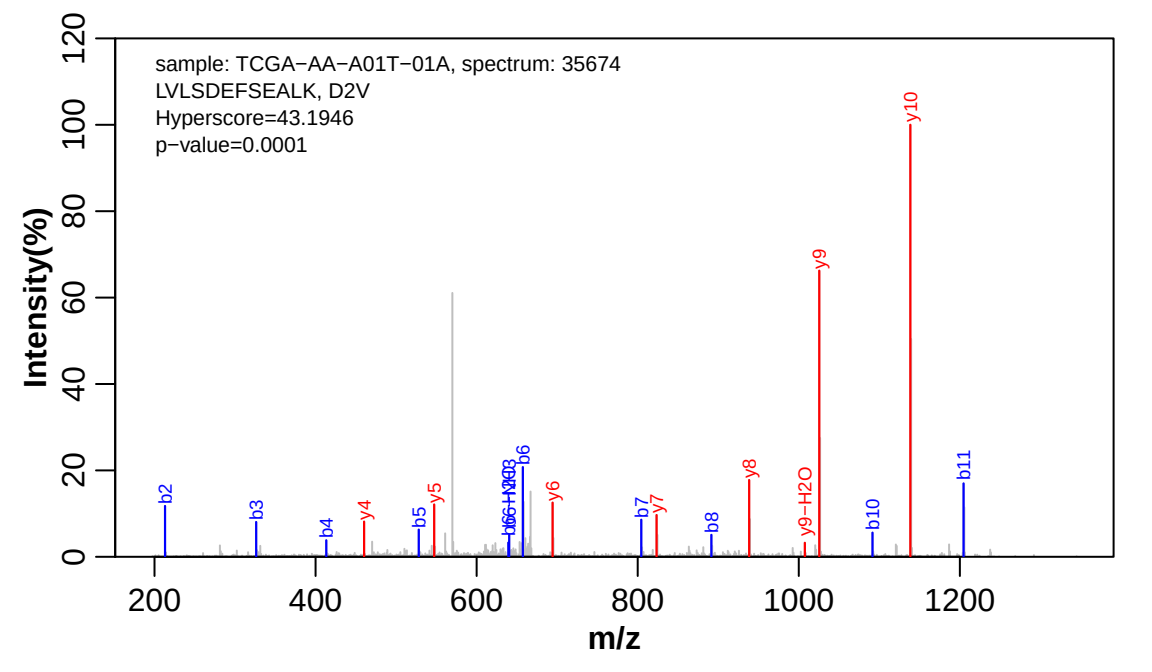

sample: TCGA−AA−A01T−01A, spectrum: 7644
LLDTAFDLDLFK, V10I
Hyperscore=25.7646
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2−H2O
y2
b3
y3
b4−H2O
b4
y4
b5
y5−NH3
b6
y6
b7
y7
y8
b10
y10
b11

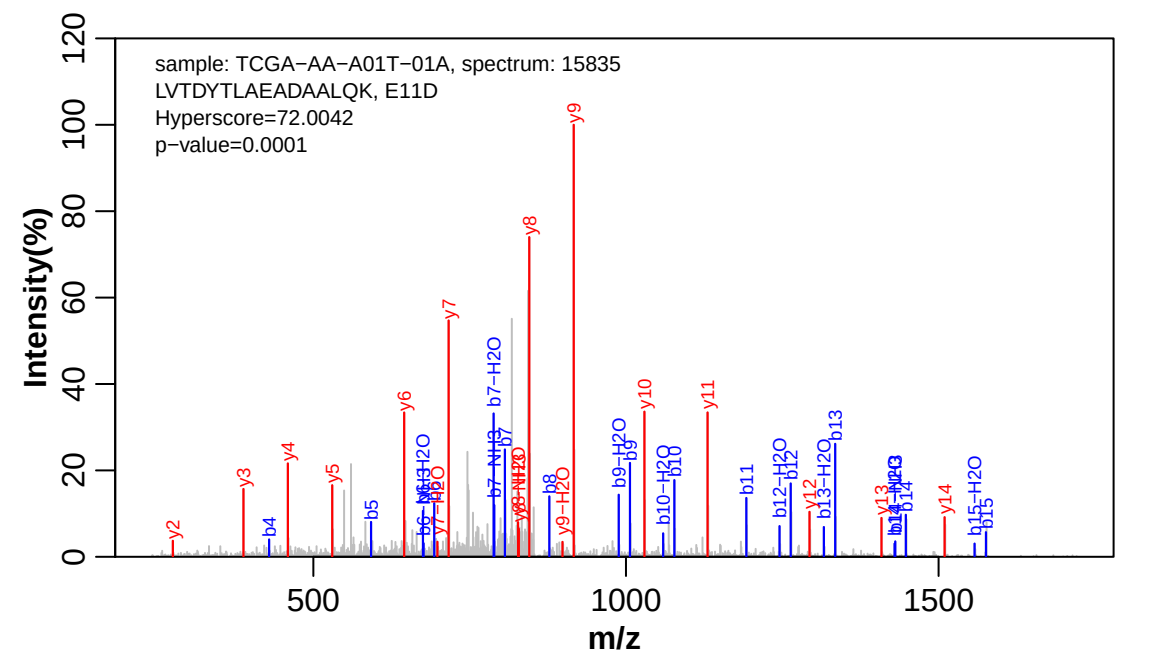

sample: TCGA−AA−A01T−01A, spectrum: 43488
LLTQDEGPALVPGSR, G14S
Hyperscore=27.6766
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y4
y5
b5
y6
b6−H2O
b6
y8
b8
y9
y10
b10
y11
b11

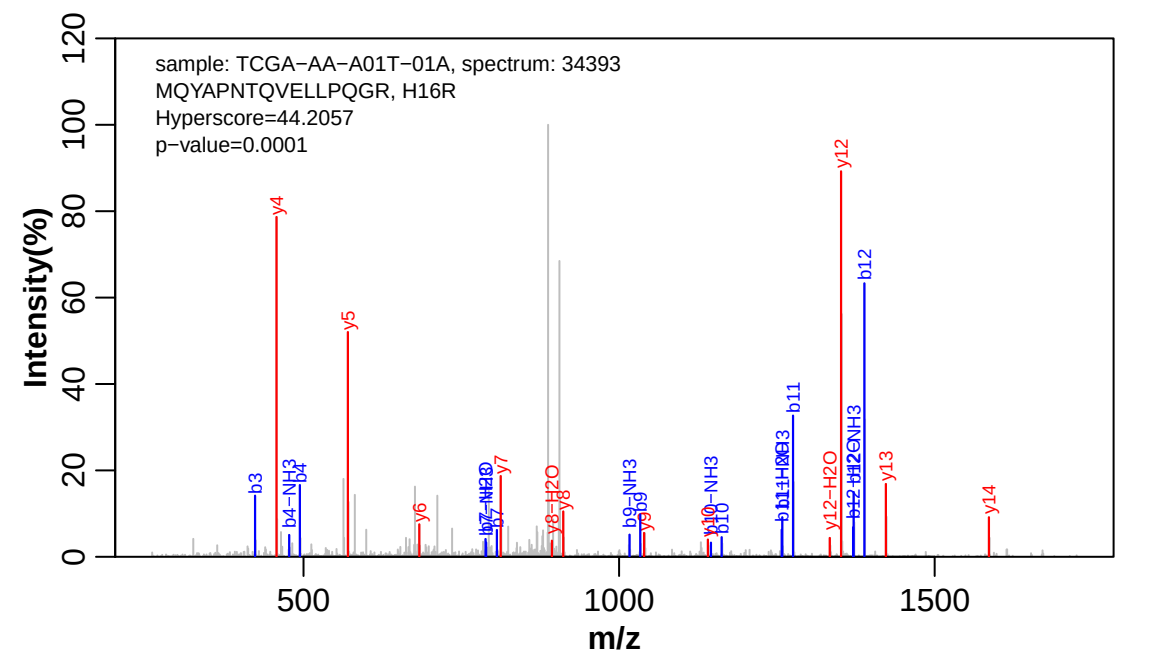

sample: TCGA−AA−A01T−01A, spectrum: 42962
LSVATGALEAAQGSKPQCQTR, S16P
Hyperscore=48.6127
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b4
y6++
b5
y7++
y9++
b7−H2O
y10++
b14++−H2O
y11++−H2O
y12++
b8
y14+6+
y15++
b9
y16++
y17++
y18++
y18++−H2O
y19++−H2O
y8−NH3
y20++−H2O
y20++
y10

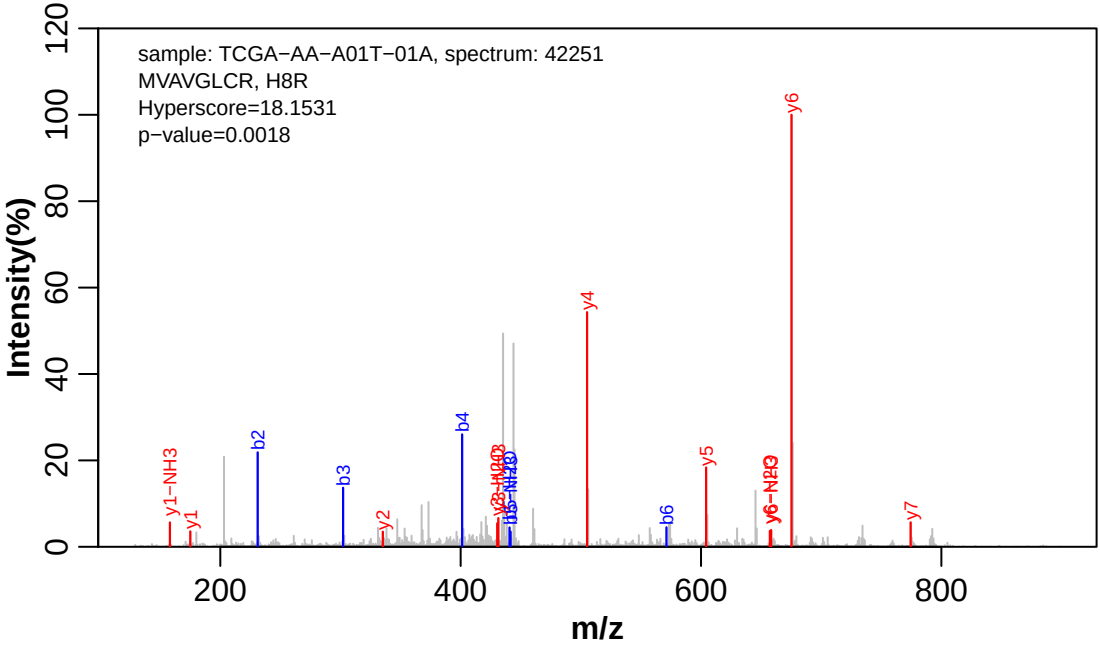

sample: TCGA−AA−A01T−01A, spectrum: 63814
LTLQALTEK, A2T
Hyperscore=23.8439
p−value=0.0009
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3−H2O
y3
b4
y4−H2O
y4
b5
y5
b6−H2O
b6
y6
y7
y8

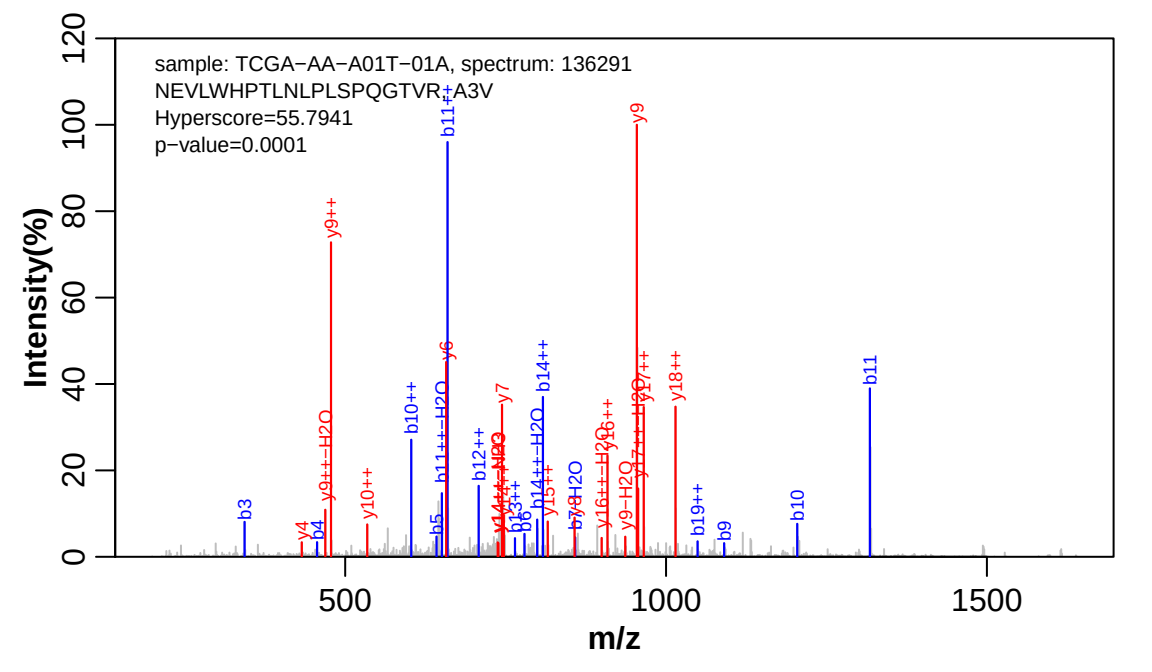

sample: TCGA−AA−A01T−01A, spectrum: 54777
LVGLEEALSPGEAR, P4L
Hyperscore=37.1185
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b5−H2O
b5
y5
b6
y6
b7−NH3
b7−H2O
b7
y7−H2O
y7
y8−H2O
b8−H2O
b8
b8
b9−NH3
b9−H2O
b9
y9
y10
b12
y12

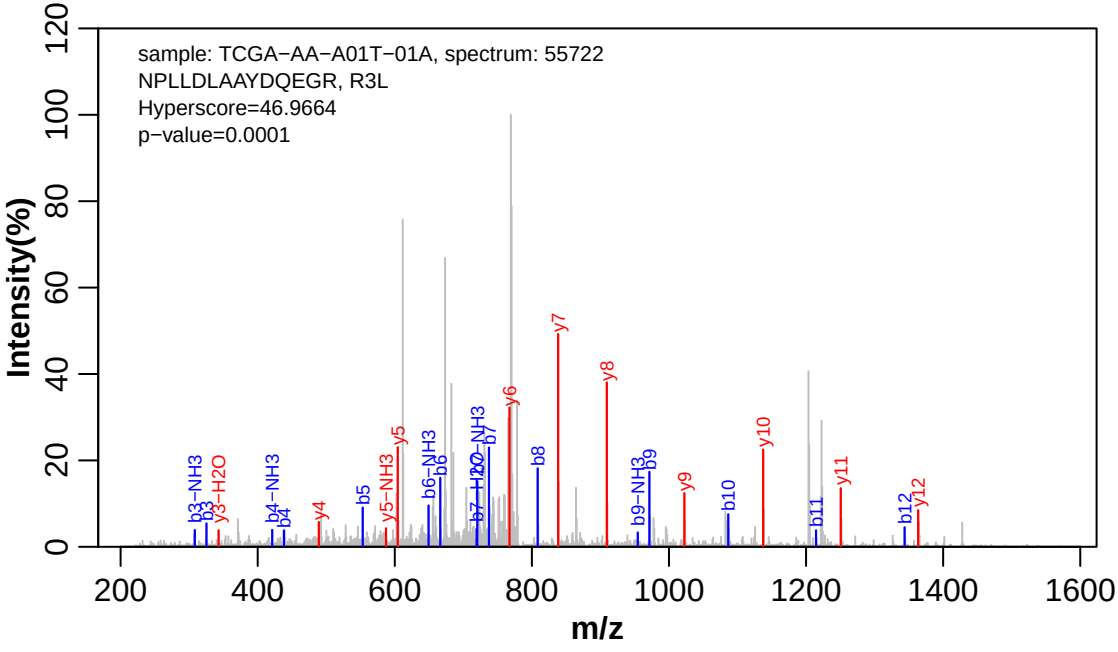

sample: TCGA−AA−A01T−01A, spectrum: 35674
LVLSDEFSEALK, D2V
Hyperscore=43.1946
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
b4
y4
b5
y5
b6
y6
b7
y7
b8
y8
y9−H2O
y9
b10
y10
b11

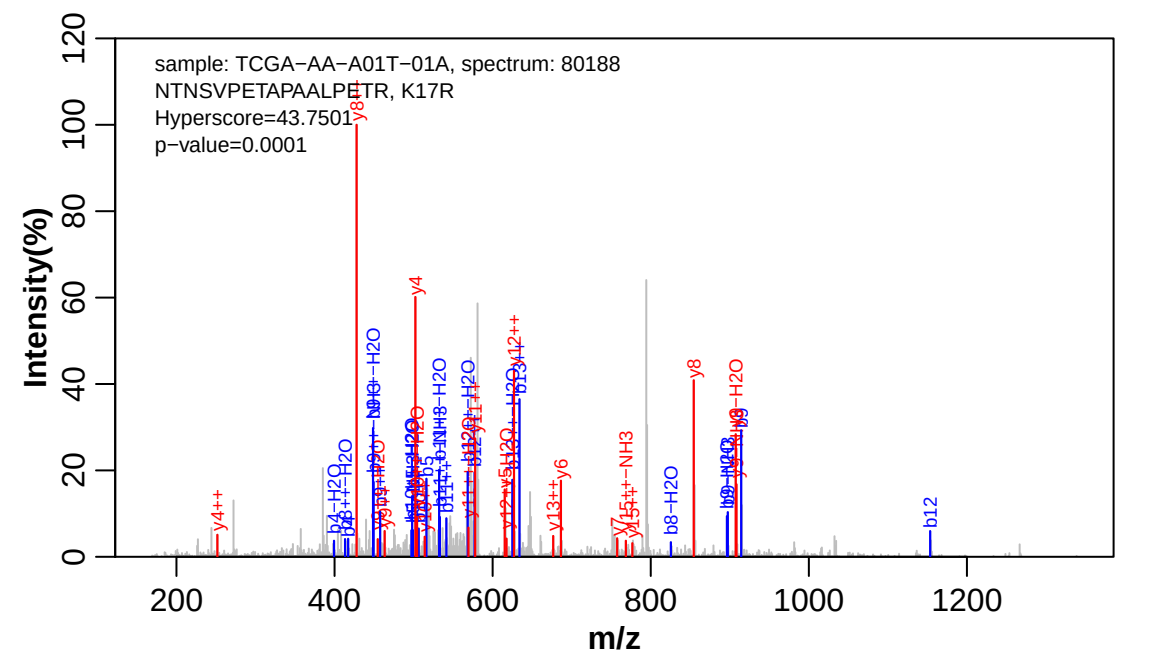

sample: TCGA−AA−A01T−01A, spectrum: 15835
LVTDYTLAEADAALQK, E11D
Hyperscore=72.0042
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
b4
y4
y5
b5
y6
y7
y7−H2O
b7−H2O
y8
y9
y9−H2O
b8
b9−H2O
b9
y10
b10−H2O
b10
y11
b11
b12−H2O
b12
y12
b13−H2O
b13
y13
y14
b15−H2O
b15

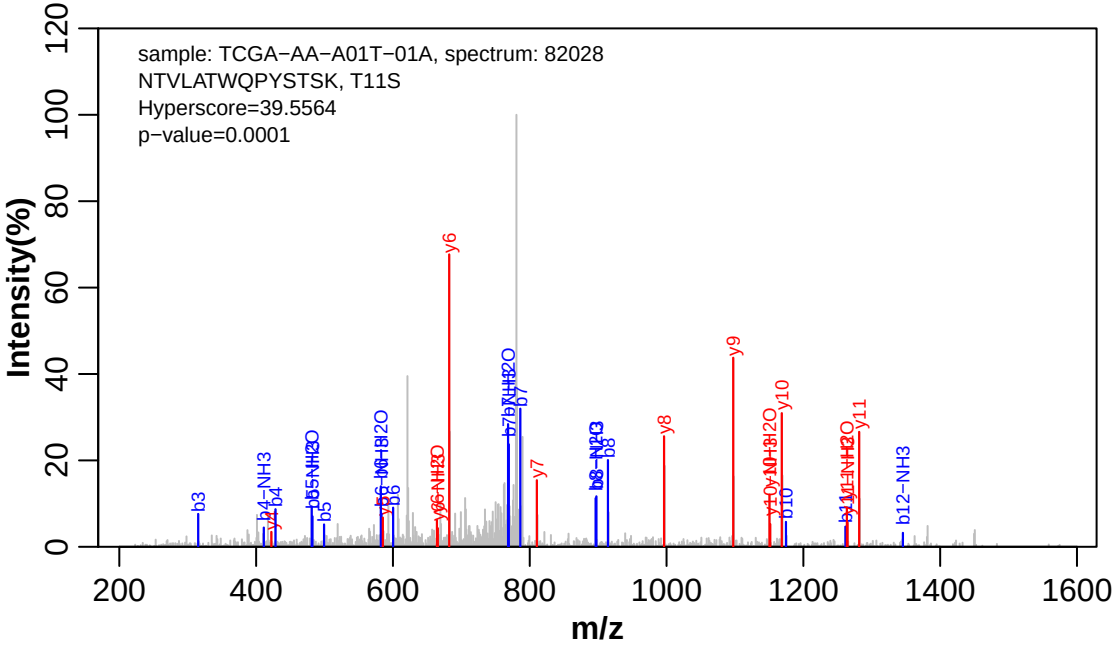

sample: TCGA−AA−A01T−01A, spectrum: 34393
MQYAPNTQVELLPQGR, H16R
Hyperscore=44.2057
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y8
y8−H2O
y9
y10−NH3
y12
y12−H2O
y13
y14
b3
b4
b4−NH3
b9−NH3
b10
b11
b12
b12−NH3

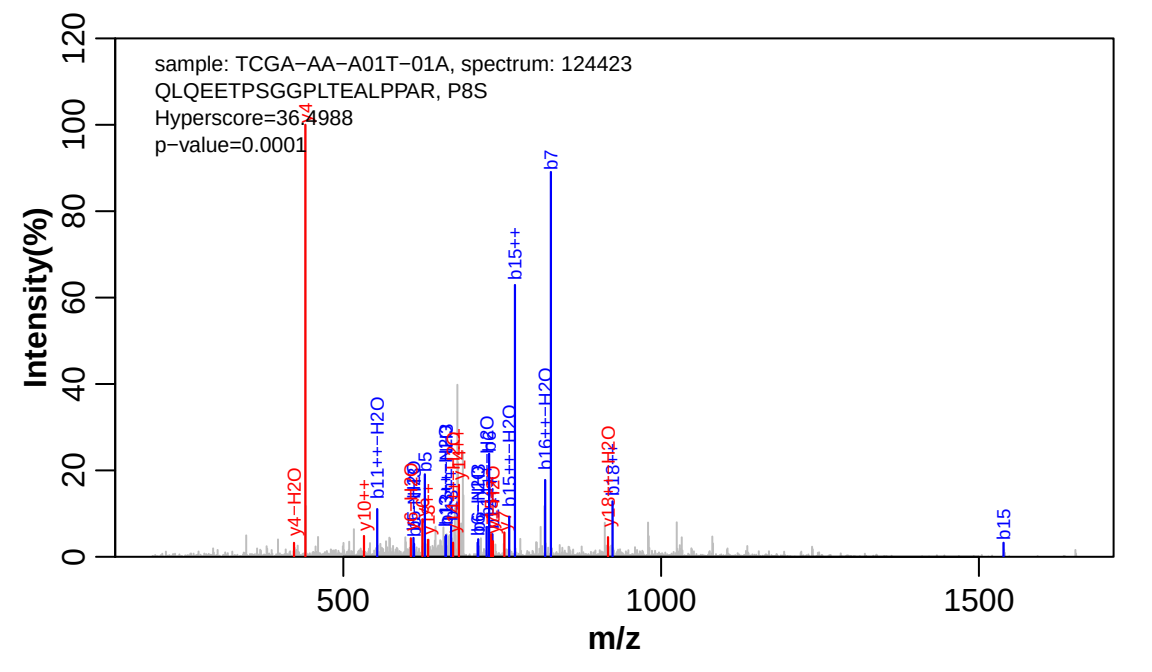

sample: TCGA−AA−A01T−01A, spectrum: 42251
MVAVGLCR, H8R
Hyperscore=18.1531
p−value=0.0018
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2
b3
y2
b4
y4
b6
y5
y6
y7

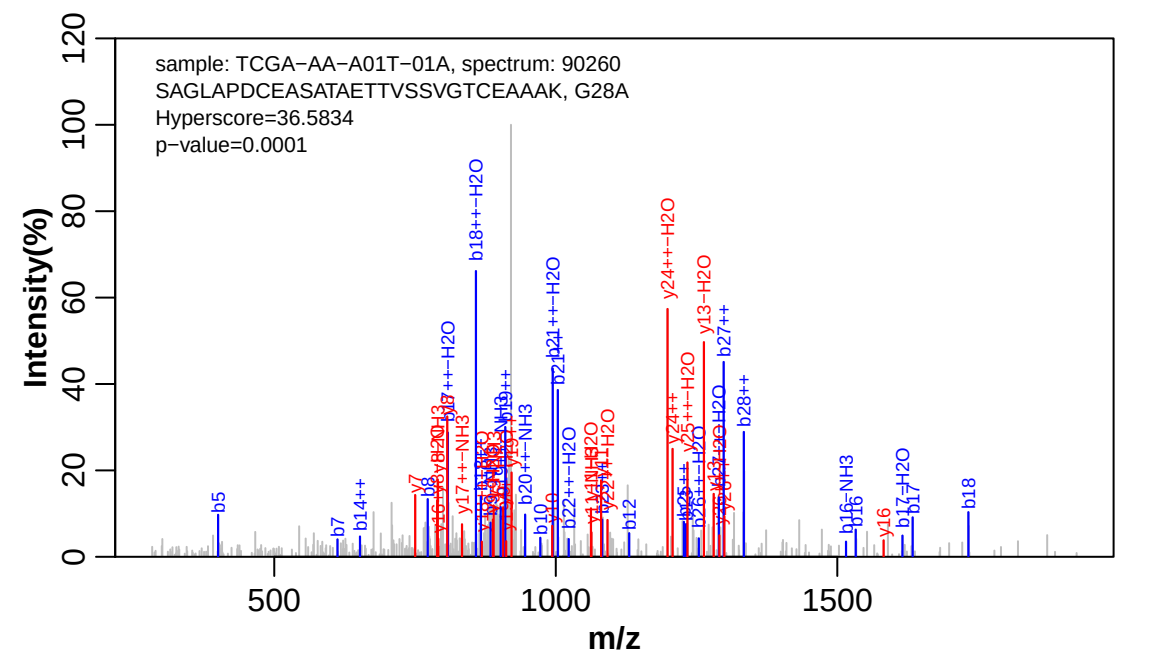

sample: TCGA−AA−A01T−01A, spectrum: 136291
NEVLWHPTLNLPLSPQGTVR+A3V
Hyperscore=55.7941
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
y9++−H2O
y10++
y9++
b10++
b5
b11++−H2O
y6
b11++
b12++
y7
b13++
b6
b14++−H2O
b14++
y15++
b7−H2O
y16++−H2O
y16++
y9−H2O
y17++−H2O
y17++
y9
y18++
b11
b19++
b9
b10

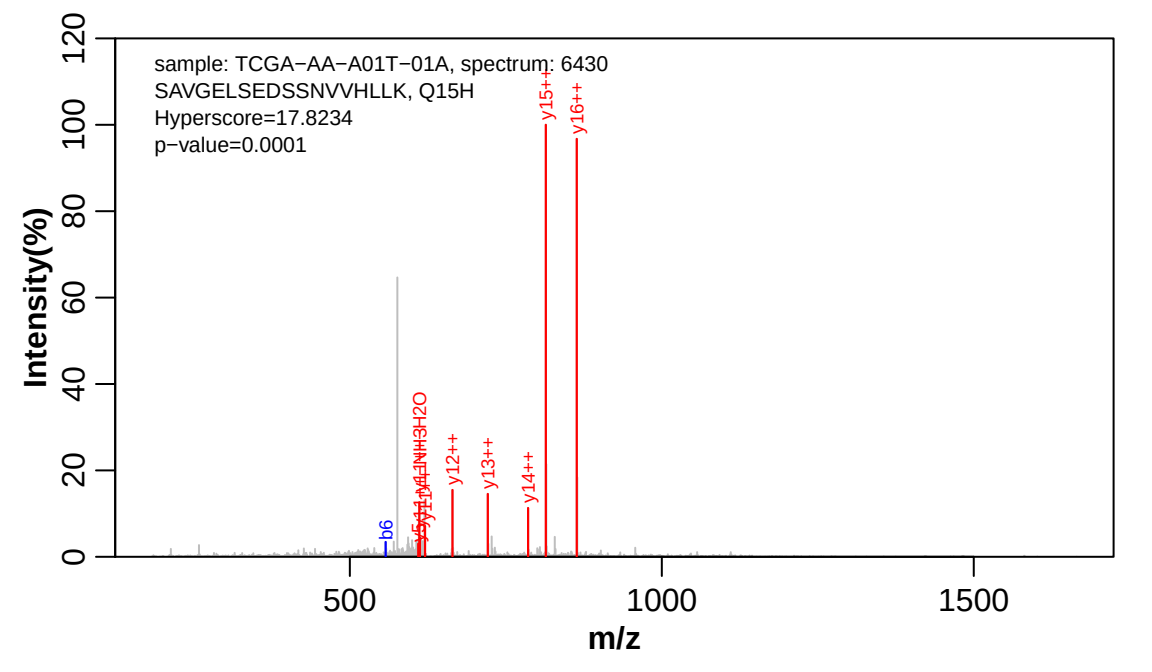

sample: TCGA−AA−A01T−01A, spectrum: 55722
NPLLDLAAYDQEGR, R3L
Hyperscore=46.9664
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−NH3
b3
y3−H2O
b4−NH3
b4
y4
b5
y5−NH3
y5
b6−NH3
b6
b7
y6
b8
y7
y8
b9−NH3
b9
y9
b10
y10
b11
y11
b12
y12

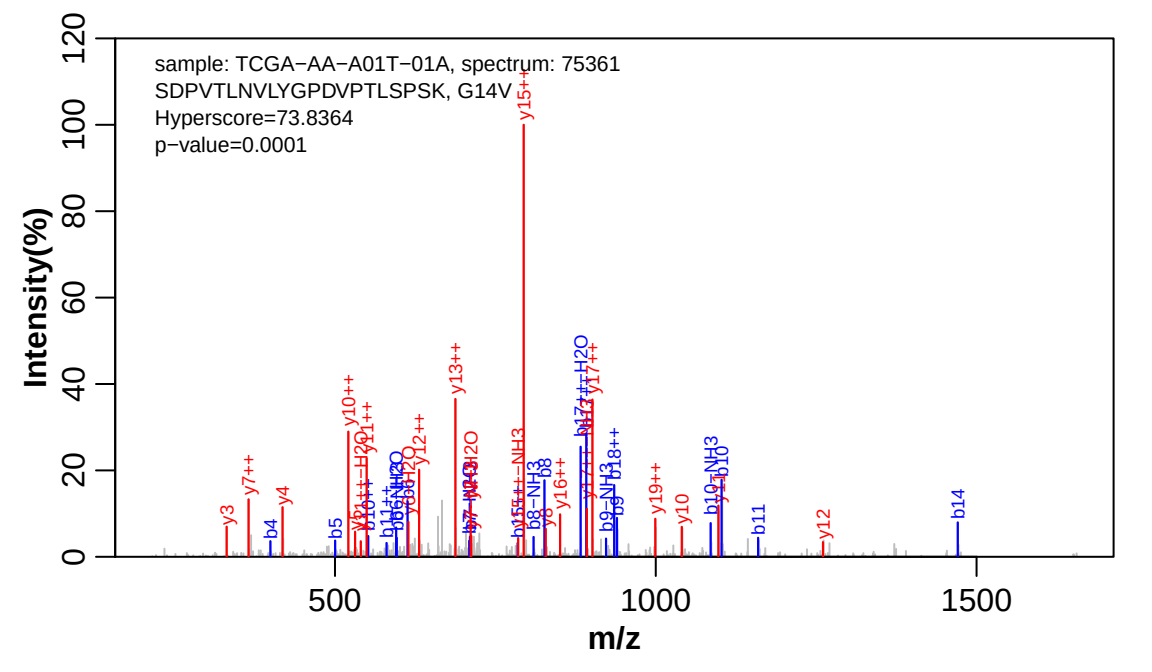

sample: TCGA−AA−A01T−01A, spectrum: 80188
NTNSVPETAPAALPETR, K17R
Hyperscore=43.7501
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y4++
y8++
y4
y6
y8
b12
b8−H2O

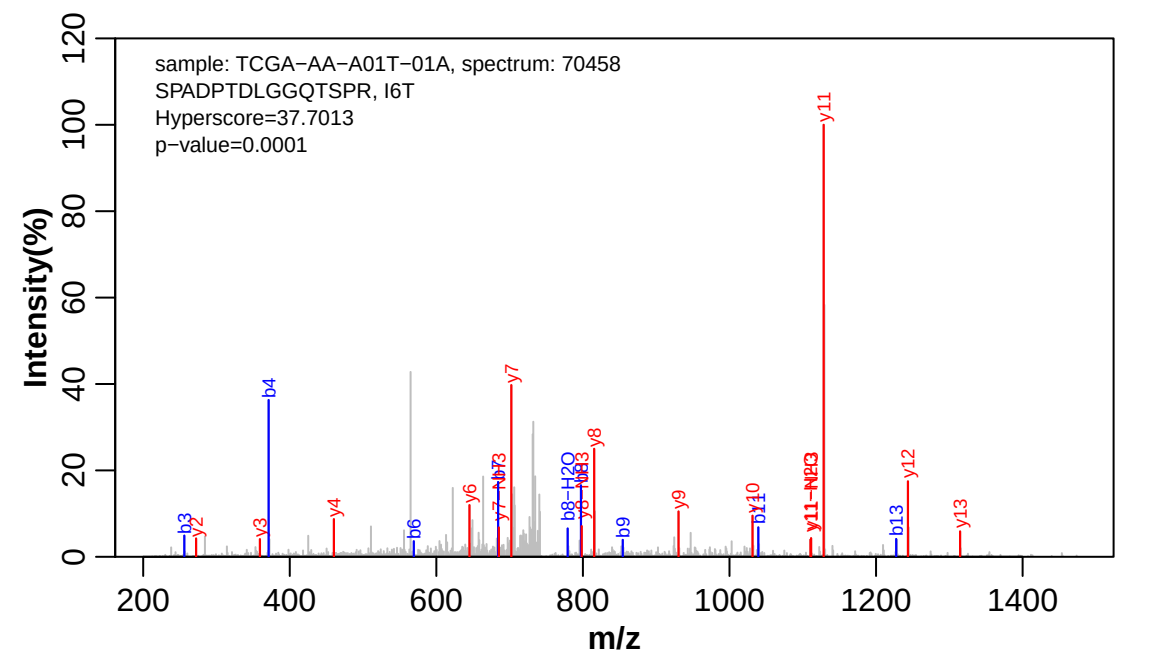

sample: TCGA−AA−A01T−01A, spectrum: 82028
NTVLATWQPYSTSK, T11S
Hyperscore=39.5564
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b4
b5
b6
b7
b8
b9
b10
b11
b12−NH3
y4
y5
y6
y7
y8
y9
y10
y11
−NH3
−H2O

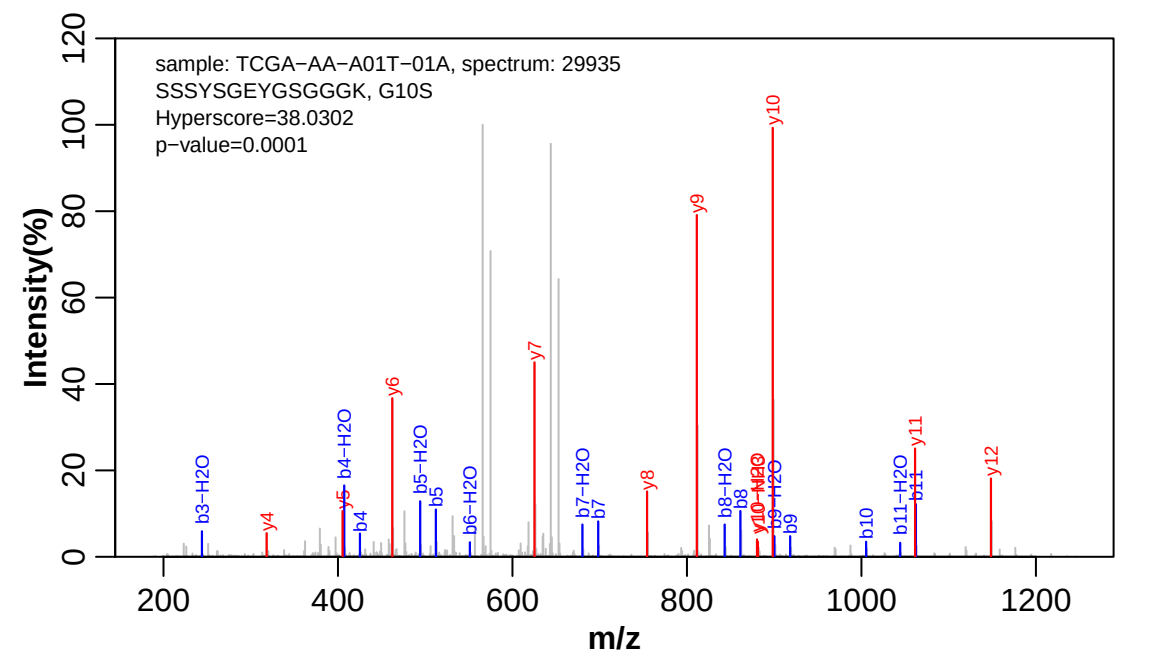

sample: TCGA−AA−A01T−01A, spectrum: 124423
QLQEETPSGGPLTEALPPAR, P8S
Hyperscore=36.4988
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
b7
b15++
y4−H2O
b11++−H2O
y10++
b16++−H2O
y18
b18−H2O
b15

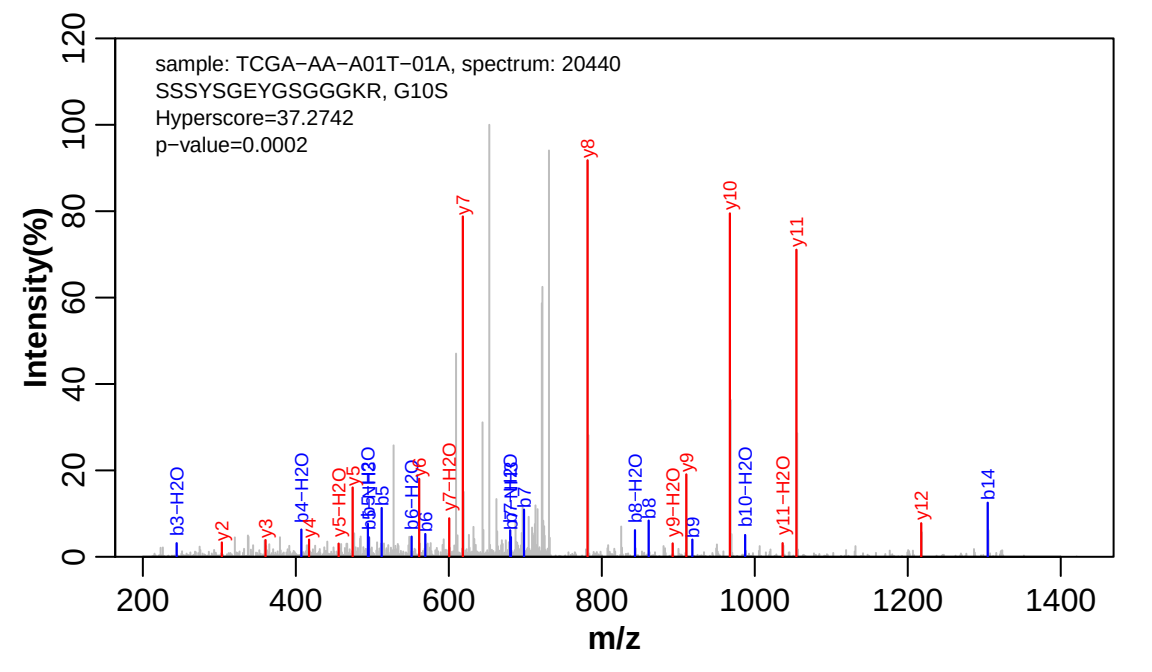

sample: TCGA−AA−A01T−01A, spectrum: 90260
SAGLAPDCEASATAETTVSSVGTCEAAAK, G28A
Hyperscore=36.5834
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5
b7
b14++
y7
b8
y16
y8
y17++−NH3
b18++−H2O
y17++−H2O
b20++−NH3
b10
b22++−H2O
b21++−H2O
y24++−H2O
y24++
y25++−H2O
y13−H2O
b27++
b28++
b12
b16−NH3
b16
y16
b17−H2O
b18

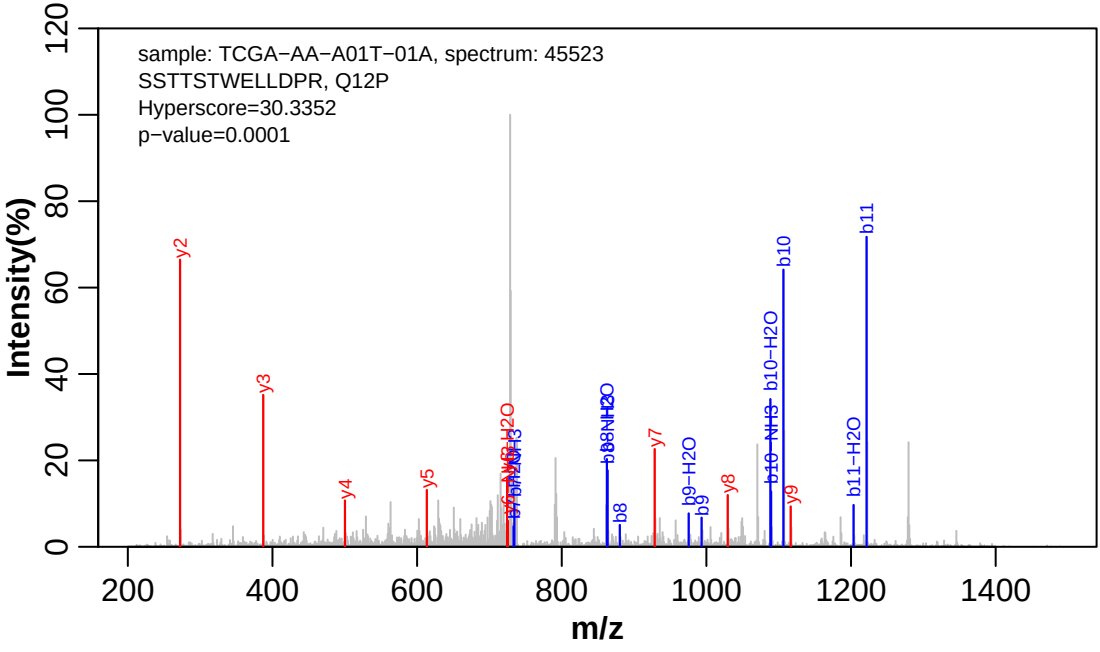

sample: TCGA−AA−A01T−01A, spectrum: 6430
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.8234
p−value=0.0001
y15++
y16++
y12++
y13++
y14++
b6
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

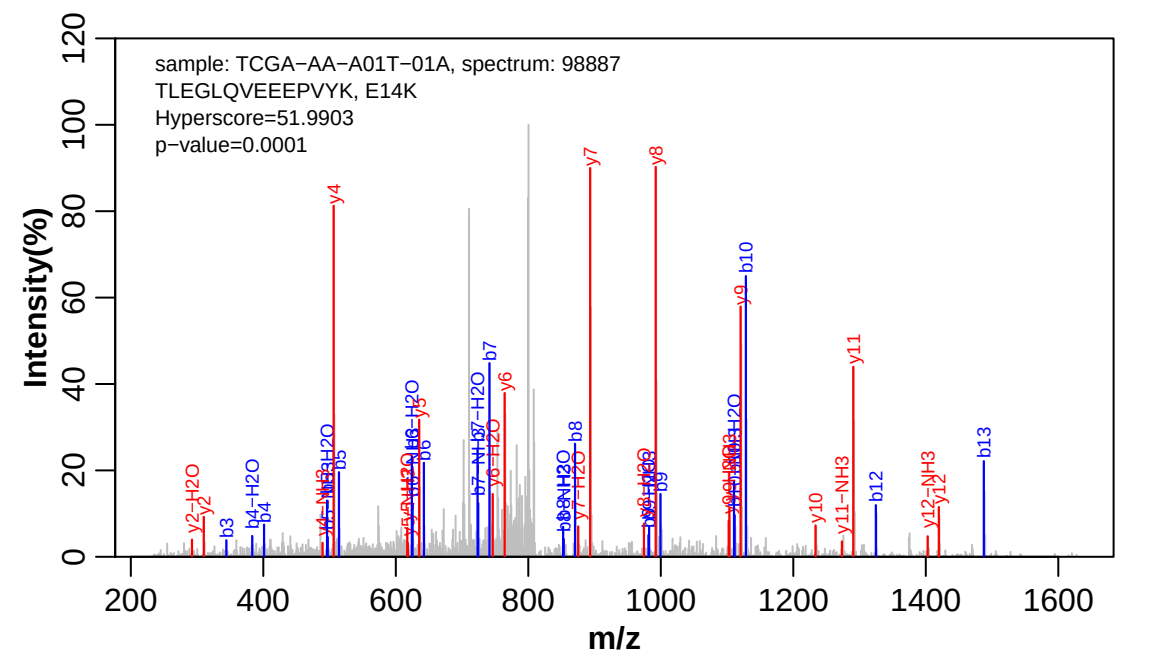

sample: TCGA−AA−A01T−01A, spectrum: 75361
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=73.8364
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y7++
y4
b4
b5
y10++
y11++
y12++
y13++
y15++
y16++
y17++
y18++
y19++
y10
b11
y12
b14

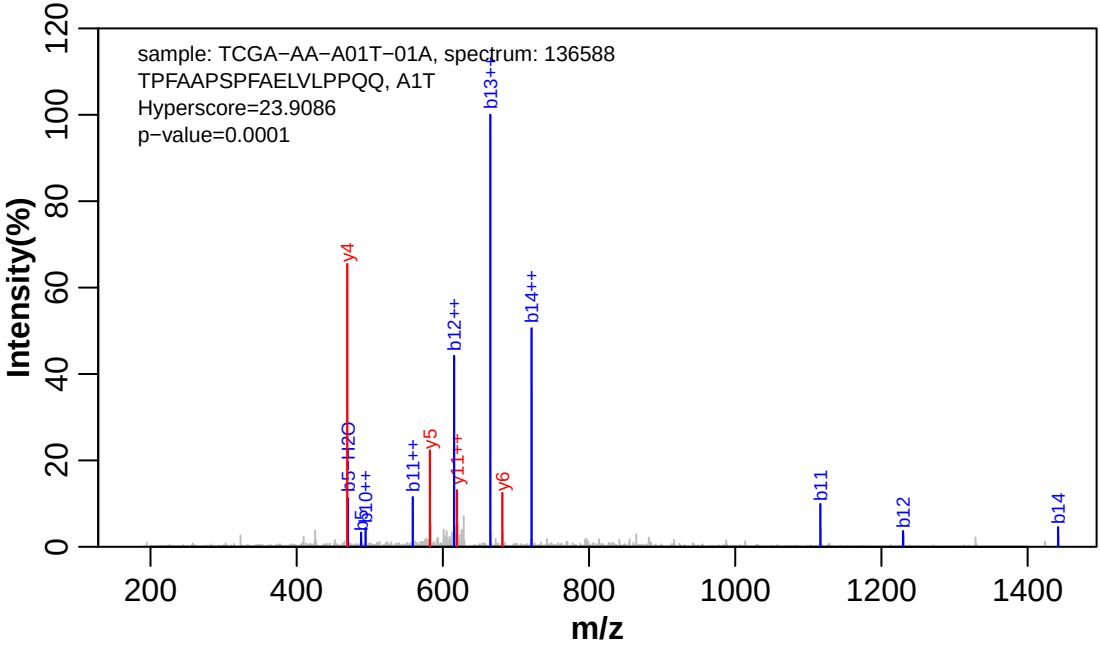

sample: TCGA−AA−A01T−01A, spectrum: 70458
SPADPTDLGGQTSPR, I6T
Hyperscore=37.7013
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
b6
y6
y7
b7
y7−NH3
y8
b8−H2O
b8−NH3
b9
y9
b10
y10
b11
y11−NH3
y11
b13
y12
y13

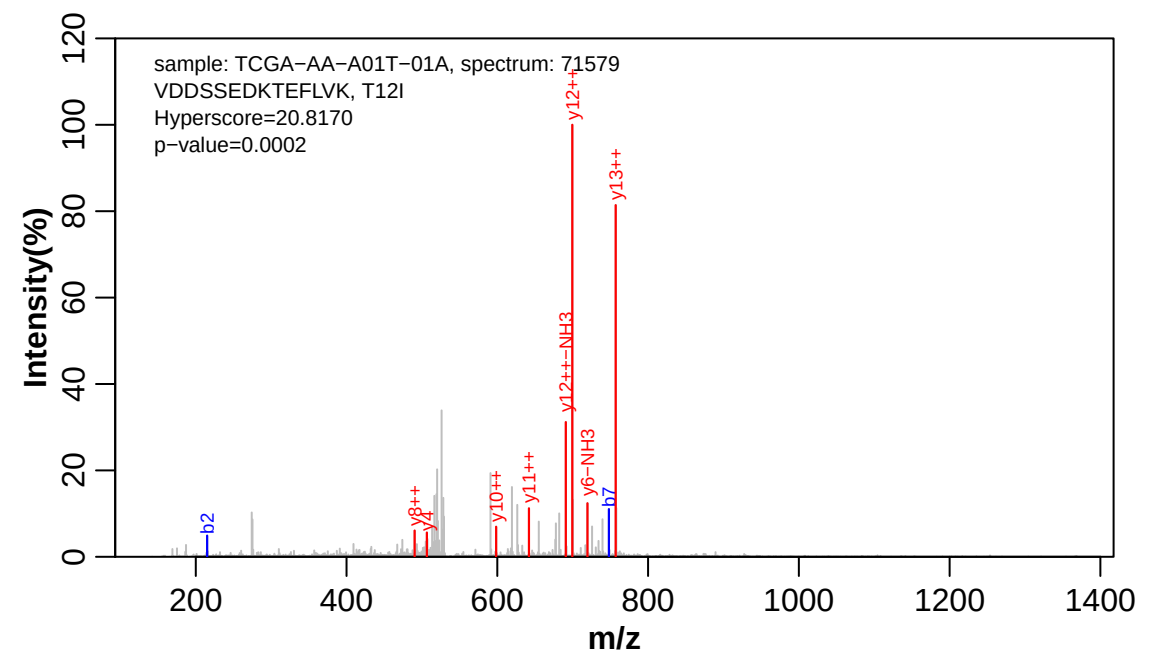

sample: TCGA−AA−A01T−01A, spectrum: 29935
SSSYSGEYGSGGGK, G10S
Hyperscore=38.0302
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
b4−H2O
y5
b4
y6
b5−H2O
b5
b6−H2O
y7
b7−H2O
b7
y8
y9
b8−H2O
b8
y10
b9−H2O
b9
b10
b11−H2O
b11
y11
y12

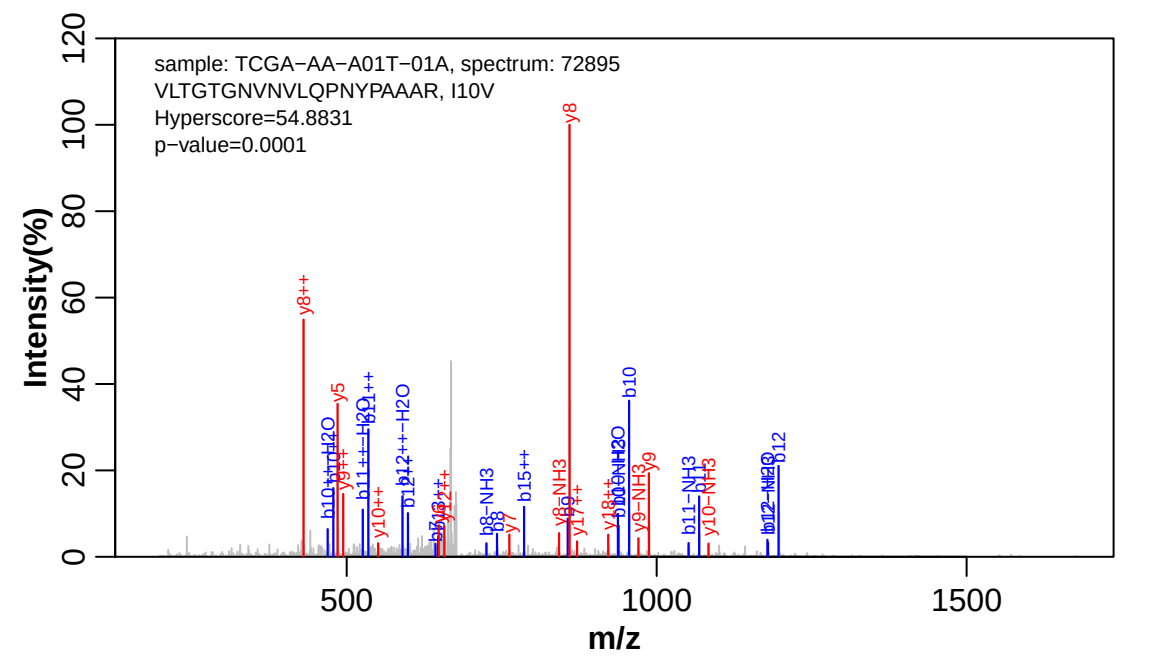

sample: TCGA−AA−A01T−01A, spectrum: 20440
SSSYSGEYGSGGGKR, G10S
Hyperscore=37.2742
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
y2
y3
b4−H2O
y4
y5−H2O
y5
b5−H2O
b5
b6−H2O
b6
y6
y7−H2O
y7
b7−H2O
b7
y8
b8−H2O
b8
y9−H2O
y9
b9
y10
b10−H2O
y11
y11−H2O
y12
b14

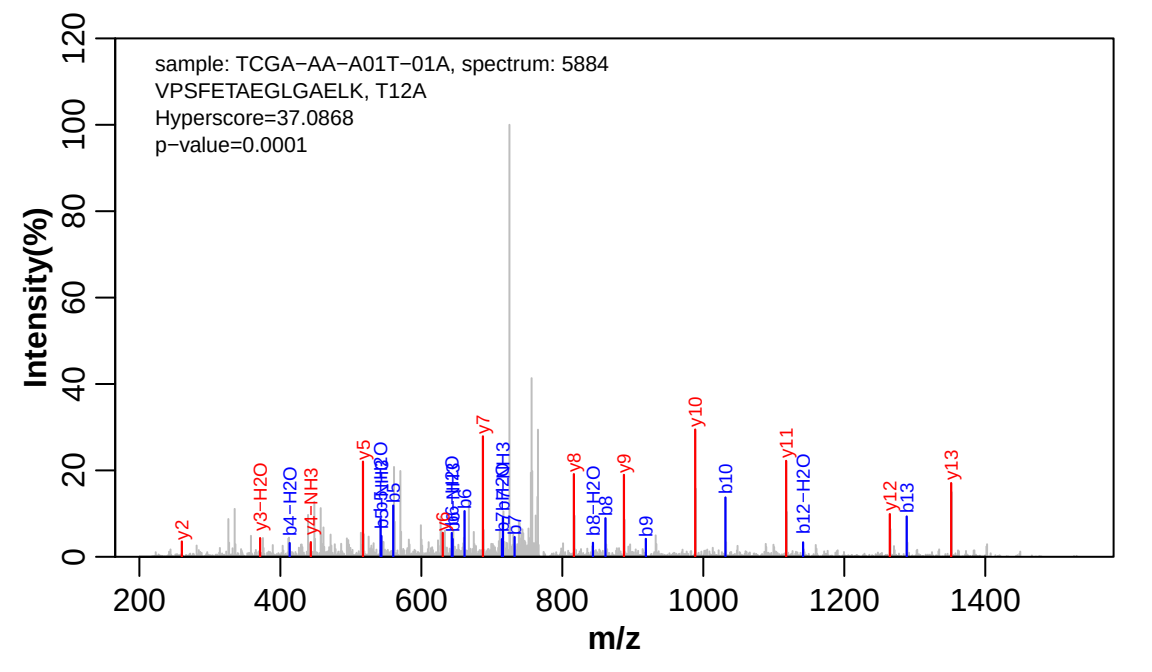

sample: TCGA−AA−A01T−01A, spectrum: 45523
SSTTSTWELLDPR, Q12P
Hyperscore=30.3352
p−value=0.0001
Intensity(%)
m/z
y2
y3
y4
y5
y7
y8
y9
b8
b9
b9−H2O
b10
b10−H2O
b10−NH3
b11
b11−H2O

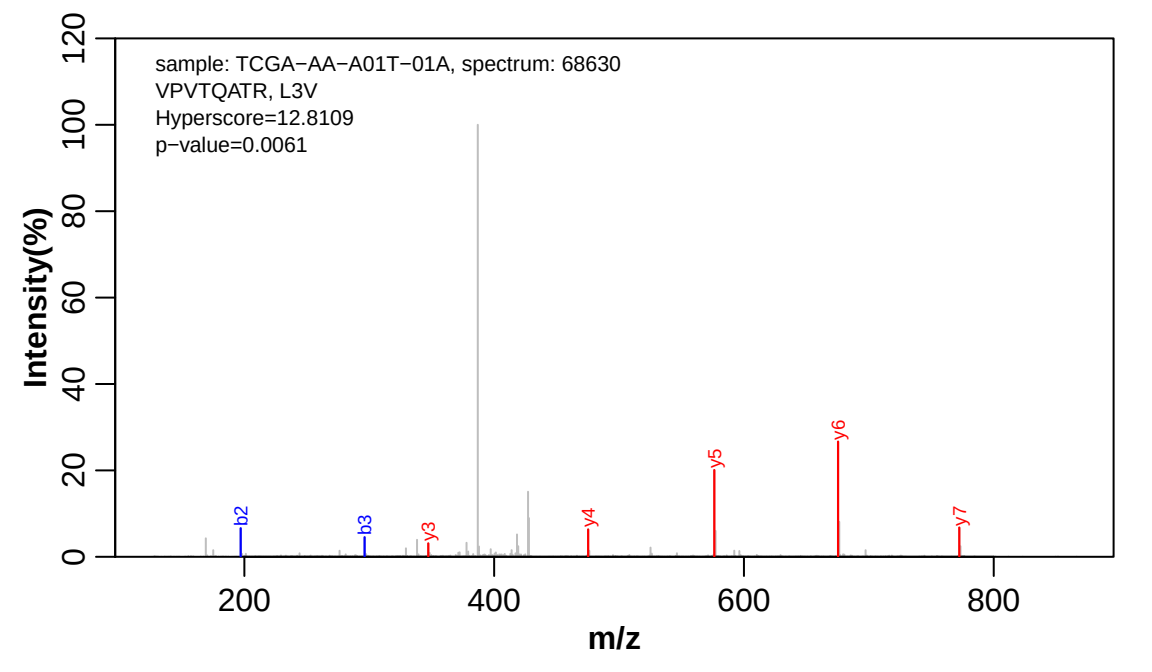

sample: TCGA−AA−A01T−01A, spectrum: 98887
TLEGLQVEEEPVYK, E14K
Hyperscore=51.9903
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y8
y4
b7
y6
y5
b6
b5
b4
b3
y2
y2−H2O
b4−H2O
b8
y7−H2O
b7−H2O
b7−NH3
y6−H2O
y9
b10
y11
y11−NH3
b12
y10
y12
y12−NH3
b13

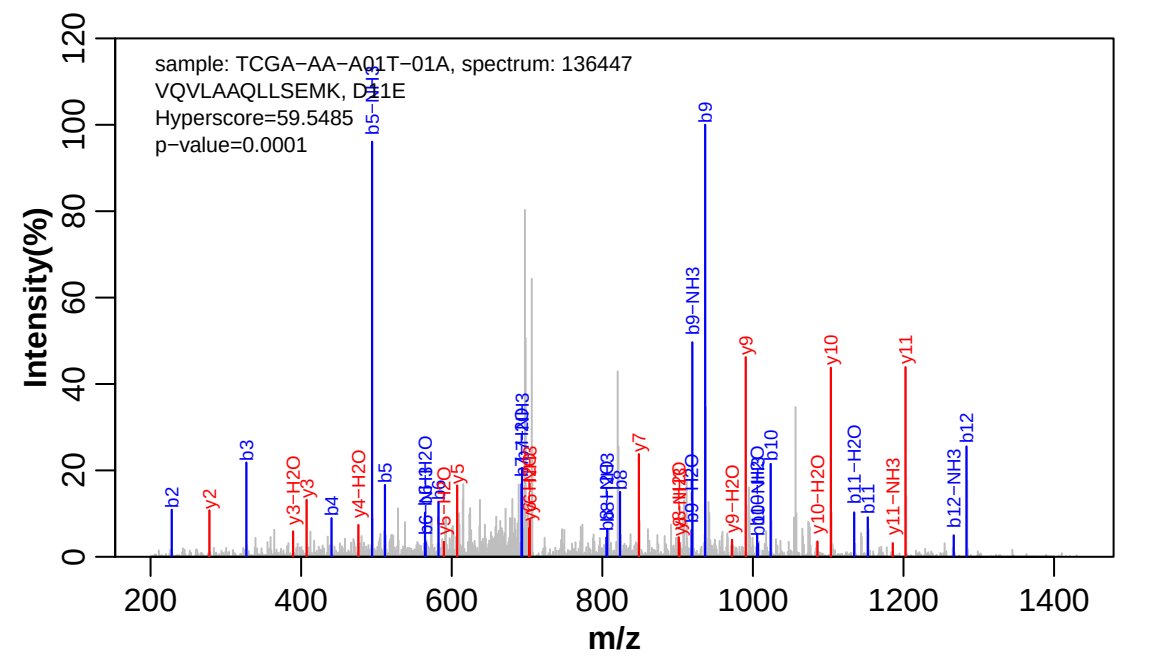

sample: TCGA−AA−A01T−01A, spectrum: 136588
TPFAAPSPFAELVLPPQQ, A1T
Hyperscore=23.9086
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
b13++
b14++
b12++
b5−H2O
y5
b11++
y11++
y6
b11
b12
b14

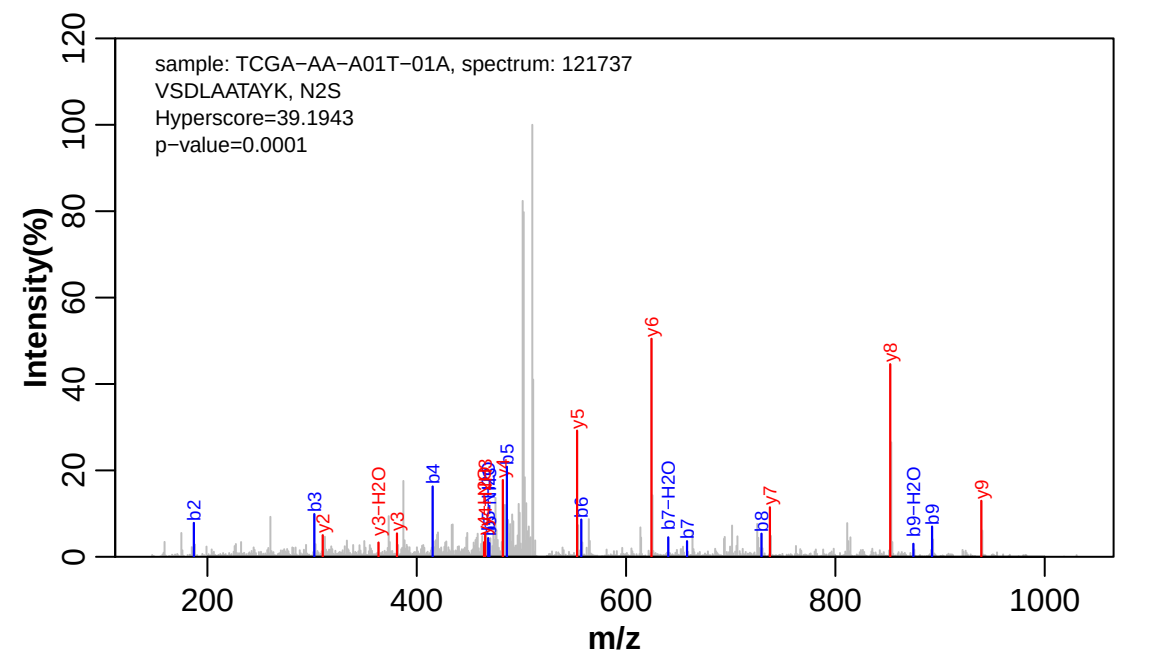

sample: TCGA−AA−A01T−01A, spectrum: 71579
VDDSSEDKTEFLVK, T12I
Hyperscore=20.8170
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y8++
y4
y10++
y11++
y12++−NH3
y6−NH3
b7
y12++
y13++

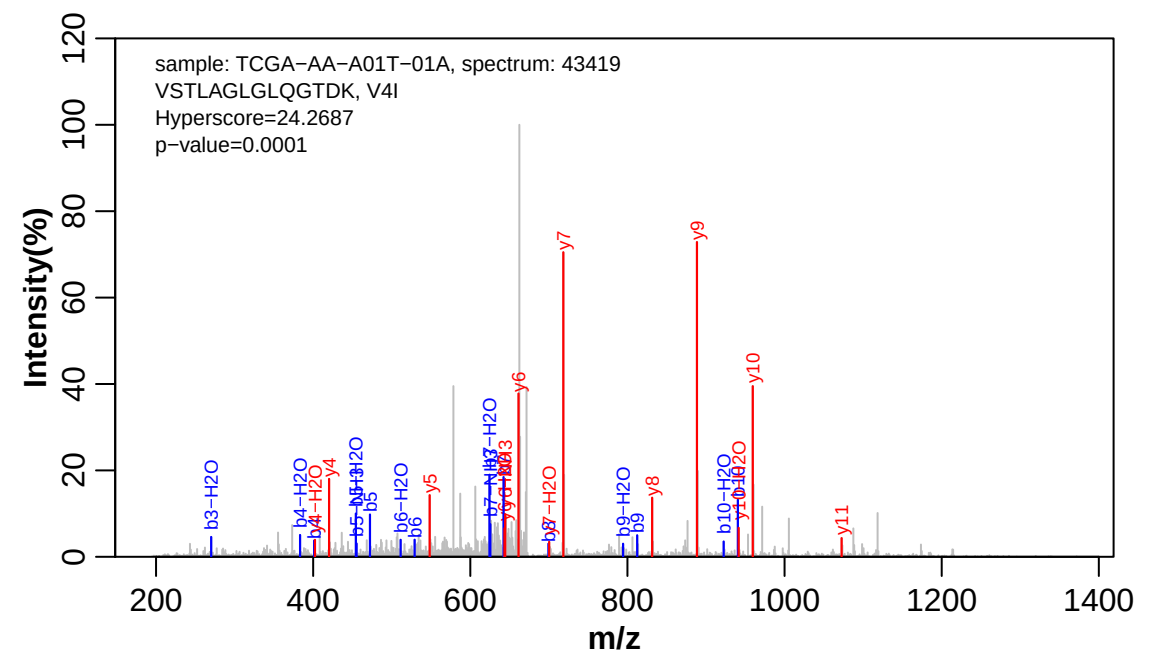

sample: TCGA−AA−A01T−01A, spectrum: 72895
VLTGTGNVNVLQPNYPAAAR, I10V
Hyperscore=54.8831
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y8++
y5
b10
b11++−H2O
b12++−H2O
b15++
y8−NH3
y9
y9−NH3
b11−NH3
y10−NH3
b12
y10++
b8−NH3
y7

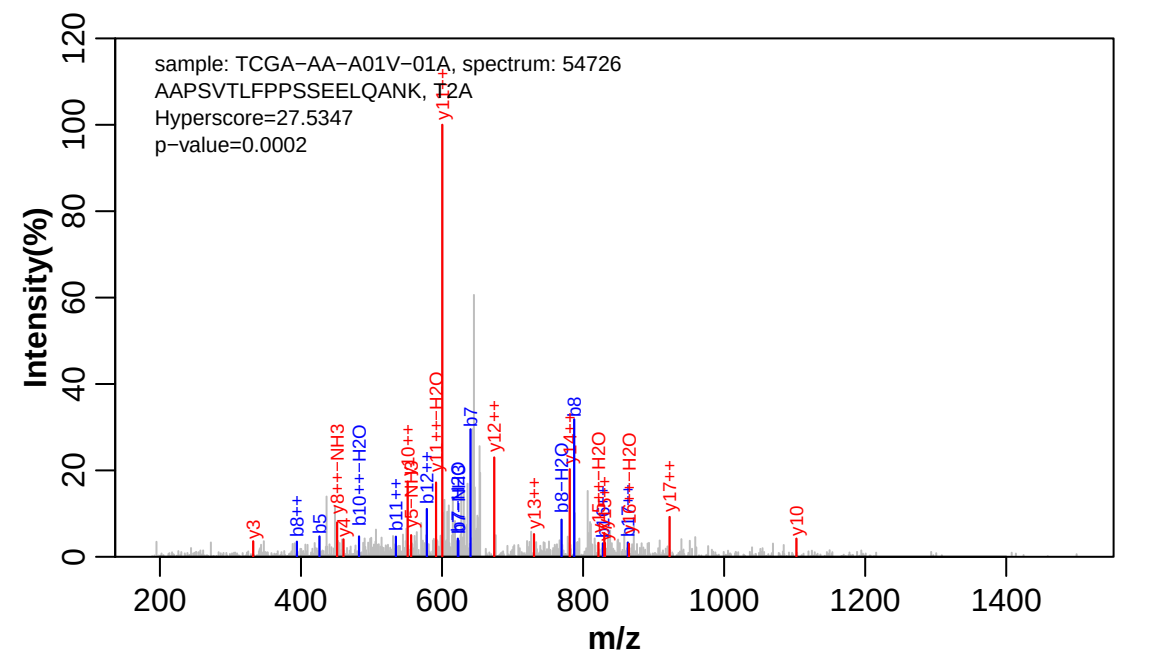

sample: TCGA−AA−A01T−01A, spectrum: 5884
VPSFETAEGLGAELK, T12A
Hyperscore=37.0868
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3−H2O
b4−H2O
y4−NH3
y5
b5
y6
b6
y7
b7
y8
b8−H2O
b8
y9
b9
y10
b10
y11
b12−H2O
y12
b13
y13

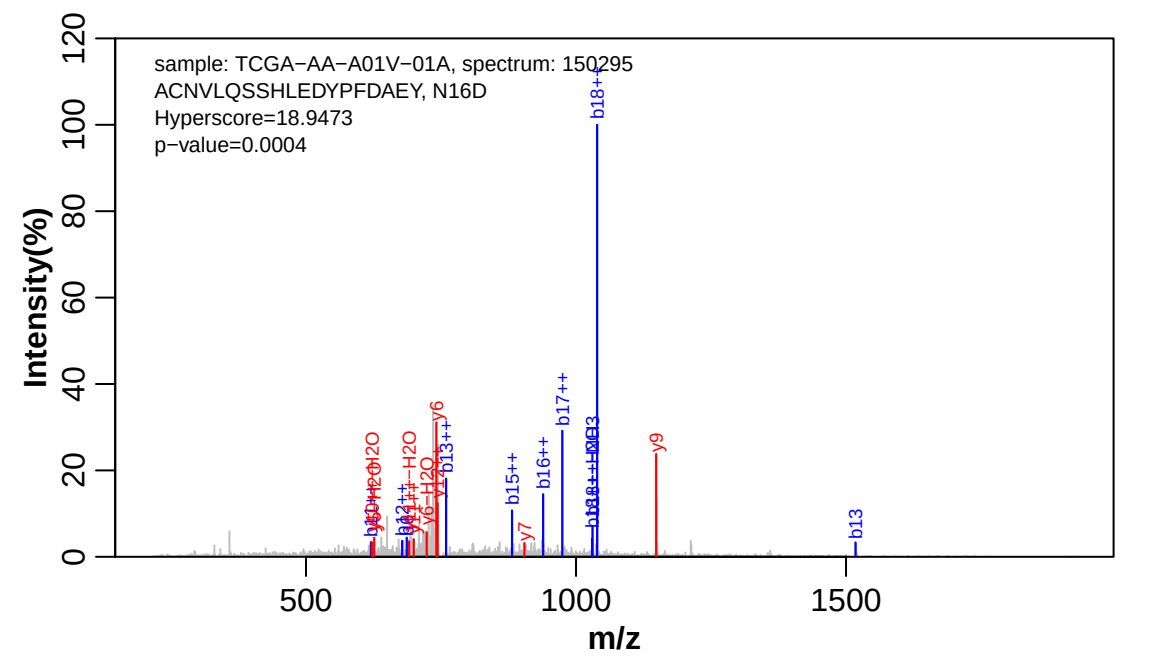

sample: TCGA−AA−A01T−01A, spectrum: 68630
VPVTQATR, L3V
Hyperscore=12.8109
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3
y4
y5
y6
y7

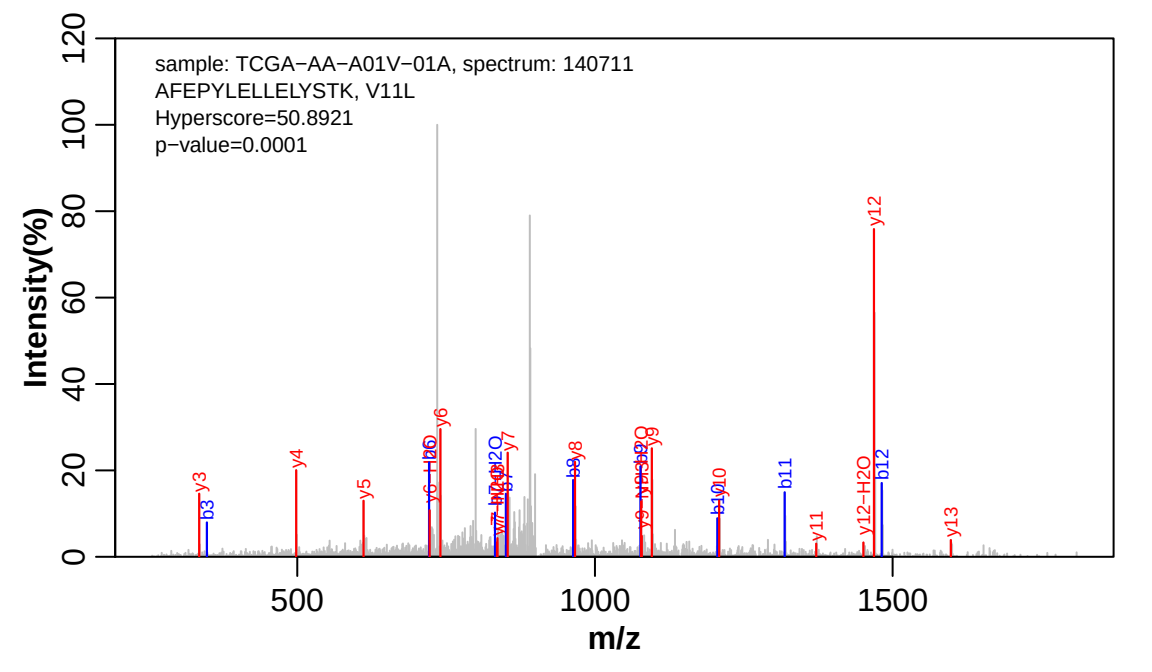

sample: TCGA−AA−A01T−01A, spectrum: 136447
VQVLAAQLLSEMK, D11E
Hyperscore=59.5485
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3−H2O
y3
b4
y4−H2O
b5−NH3
b5
b6−NH3
b6−H2O
y5−H2O
y5
b7−H2O
b7−NH3
y6−NH3
b8−H2O
b8−NH3
b8
y7
b9−NH3
b9−H2O
b9
y8−NH3
y8
y9−H2O
y9
b10−NH3
b10−H2O
b10
y10−H2O
y10
b11−H2O
b11
y11−NH3
y11
b12−NH3
b12

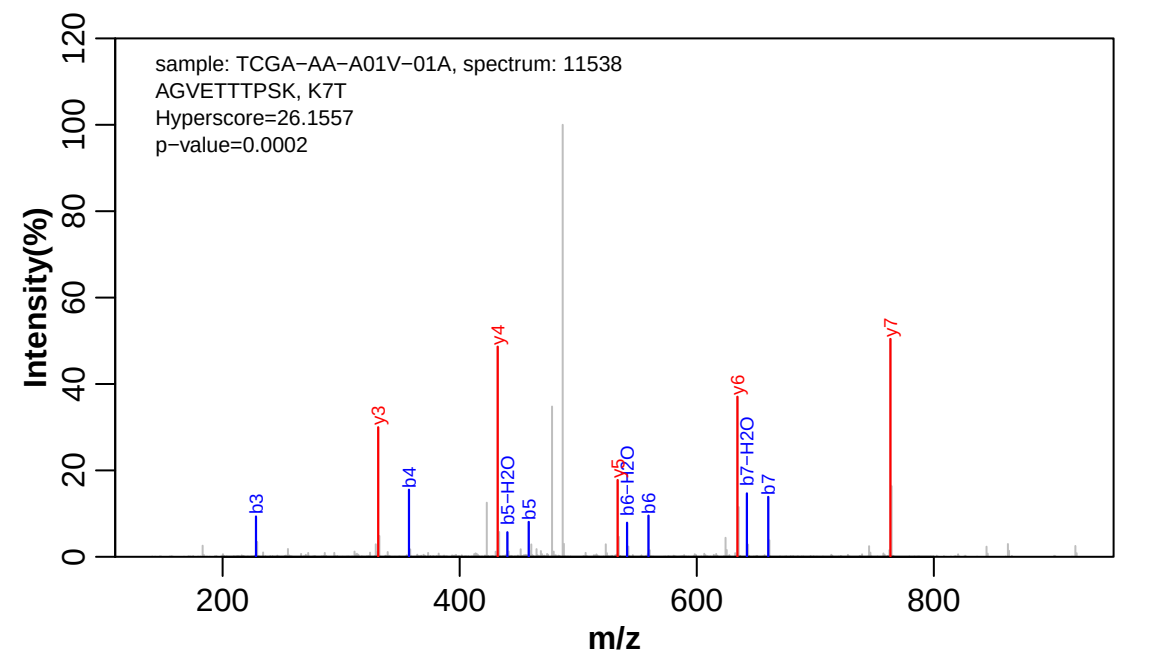

sample: TCGA−AA−A01T−01A, spectrum: 121737
VSDLAATAYK, N2S
Hyperscore=39.1943
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
y2
y3−H2O
y3
b4
y5
b5
b6
y6
b7−H2O
b7
b8
y7
y8
b9−H2O
b9
y9

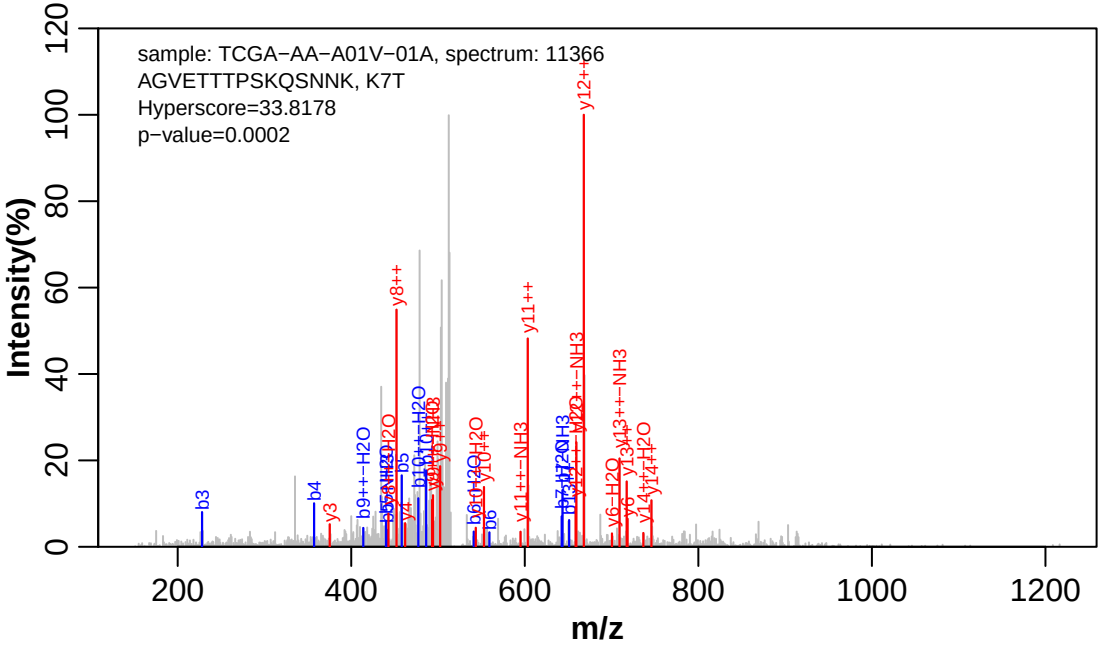

sample: TCGA−AA−A01T−01A, spectrum: 43419
VSTLAGLGLQGTDK, V4I
Hyperscore=24.2687
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b4−H2O
y4
y4−H2O
b5
b6−H2O
b6
y5
b7−H2O
y6
y7
b8−H2O
b9−H2O
b9
y8
y9
b10−H2O
y10
y10−H2O
y11

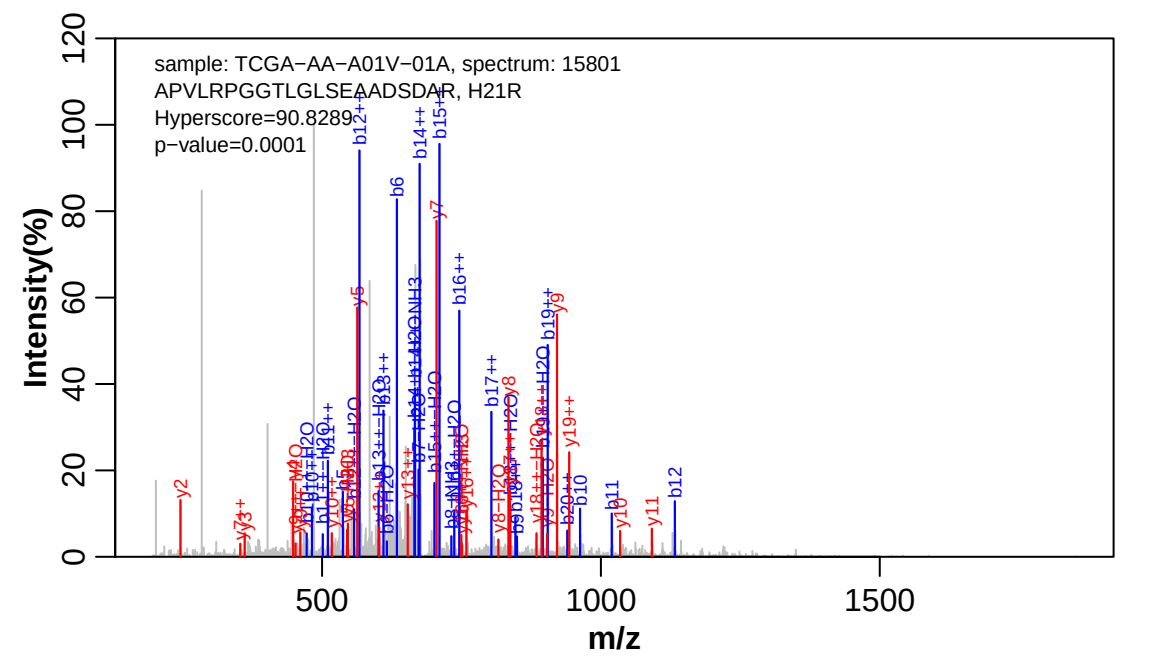

sample: TCGA−AA−A01V−01A, spectrum: 54726
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=27.5347
p−value=0.0002
Intensity(%)
m/z
y11++
y11++−H2O
y12++
y13++
y17++
y10
b7
b8++
b5
b10++−H2O
b11++
b12++
b8−H2O
y16++−H2O
y3
y4
y8++−NH3
y5−NH3
b10++
b7−NH3
b7−H2O
b8
y14++
y15++−H2O
b16++−H2O
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

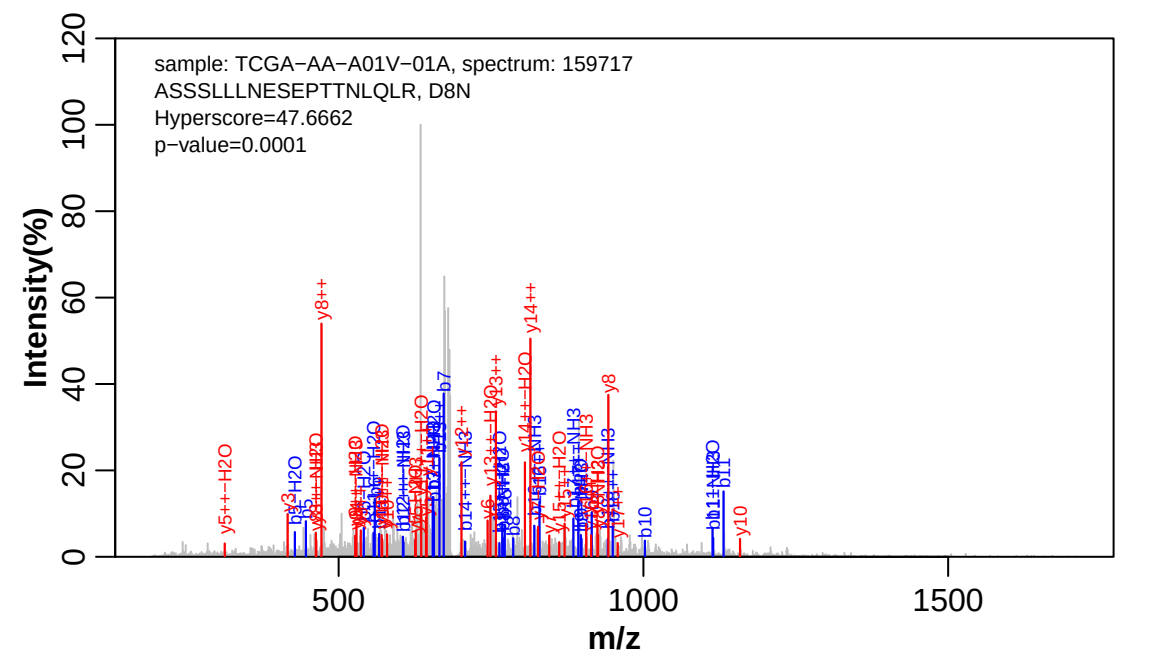

sample: TCGA−AA−A01V−01A, spectrum: 150295
ACNVLQSSHLEDYPFDAEY, N16D
Hyperscore=18.9473
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b18++
b17++
b16++
b15++
b13++
y9
y7
y6
y6−H2O
y5−H2O
b13

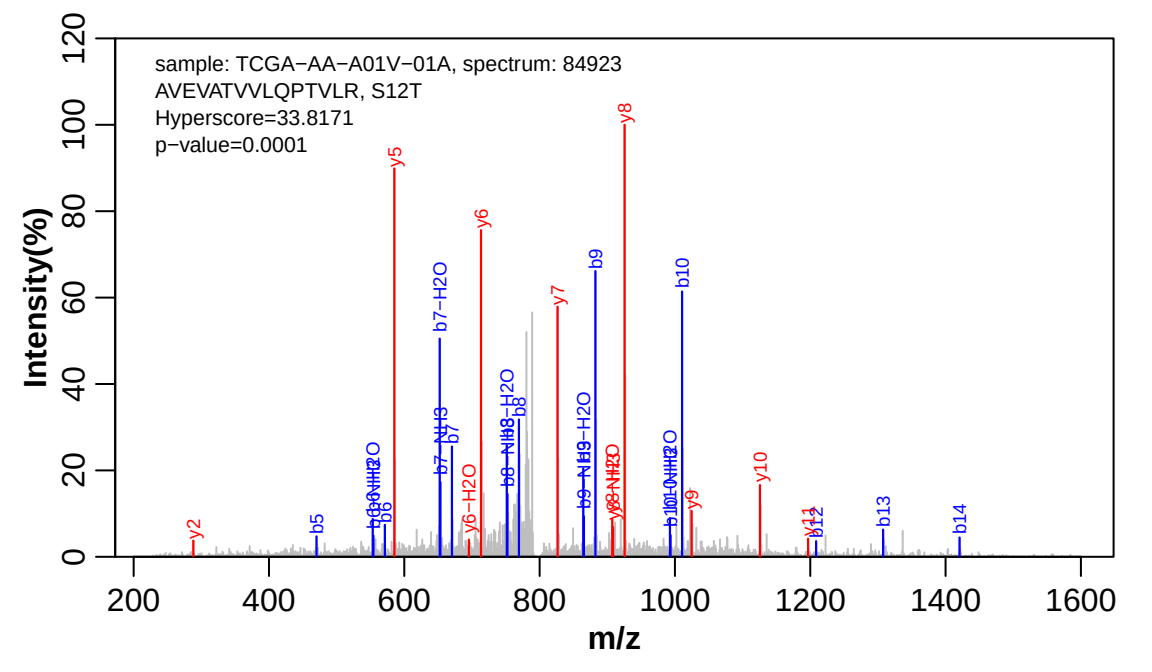

sample: TCGA−AA−A01V−01A, spectrum: 140711
AFEPYLELLELYSTK, V11L
Hyperscore=50.8921
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y3
b3
y4
y5
y6
y6−H2O
y7
b8
y8
b9
y9
b10
y10
b11
y11
y12−H2O
b12
y13

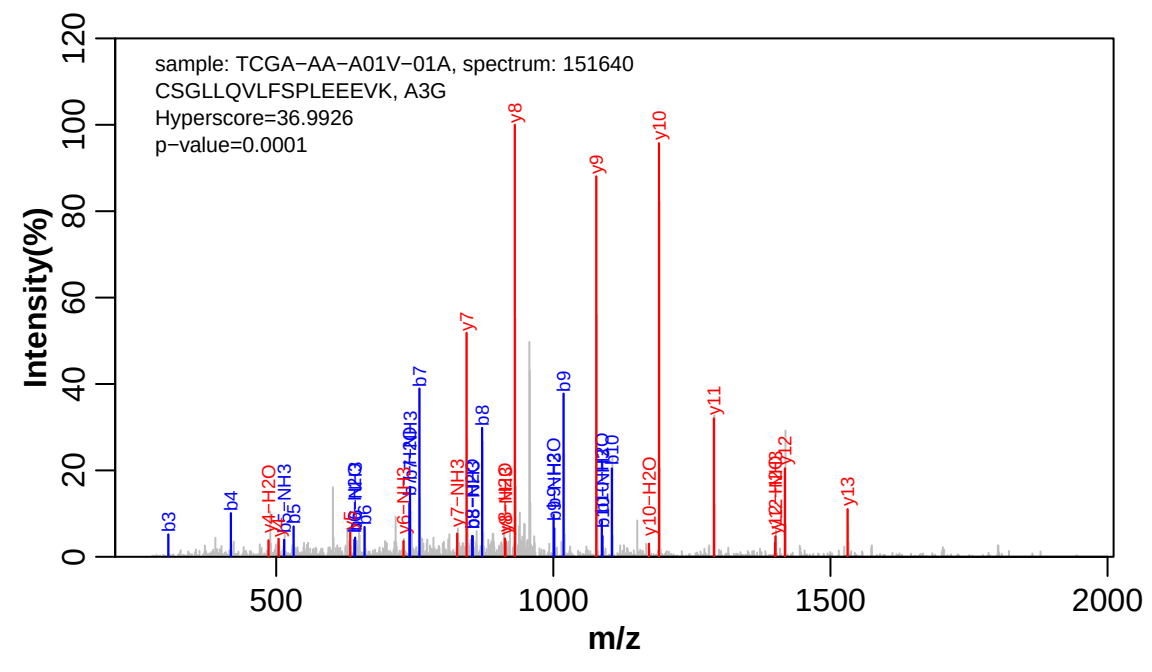

sample: TCGA−AA−A01V−01A, spectrum: 11538
AGVETTTPSK, K7T
Hyperscore=26.1557
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7

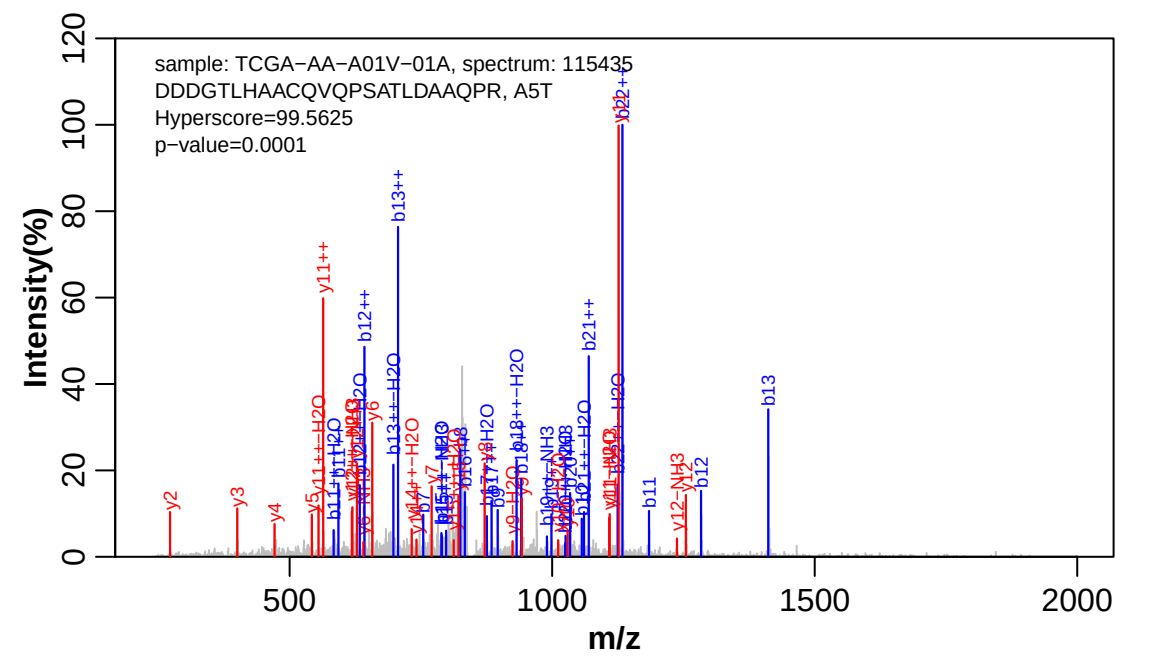

sample: TCGA−AA−A01V−01A, spectrum: 11366
AGVETTTPSKQSNNK, K7T
Hyperscore=33.8178
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
b4
y3
b9++−H2O
y8++
y4
b5
y11++
y11++−NH3
y12++
y12++−NH3
y6−H2O
y13++−NH3
y6
y14++H2O

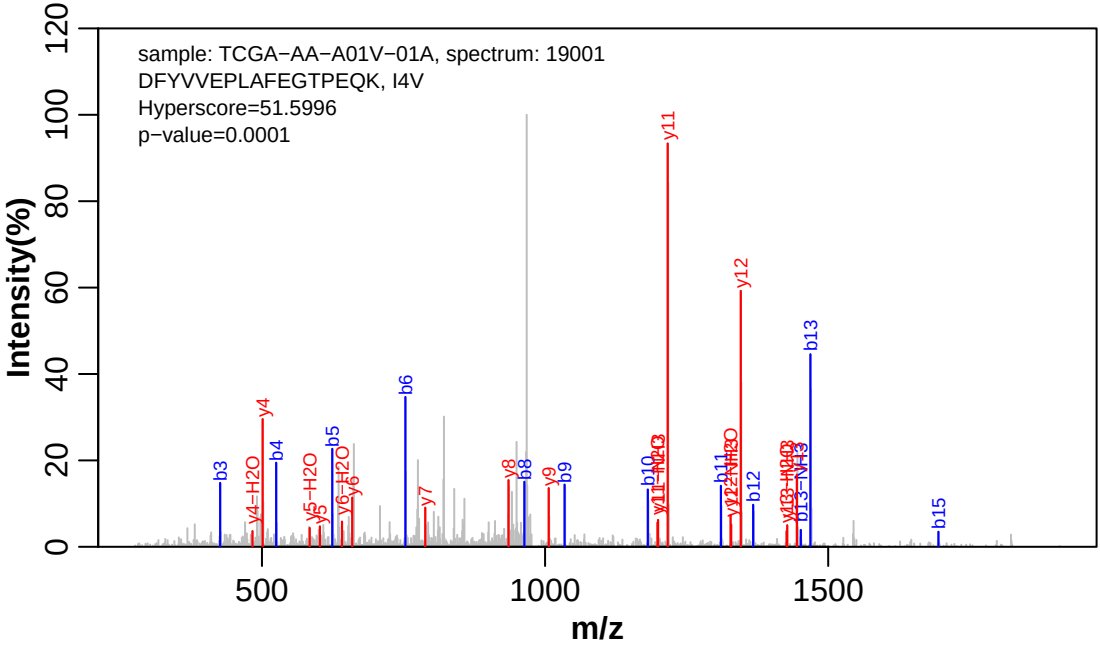

sample: TCGA−AA−A01V−01A, spectrum: 15801
APVLRPGGTLGLSEAADSDAR, H21R
Hyperscore=90.8289
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3++
b12++
b6
y5
b14++
b15++
y7
b16++
b17++
y8
y9
b19++
y19++
b10
b11
y10
y11
b12

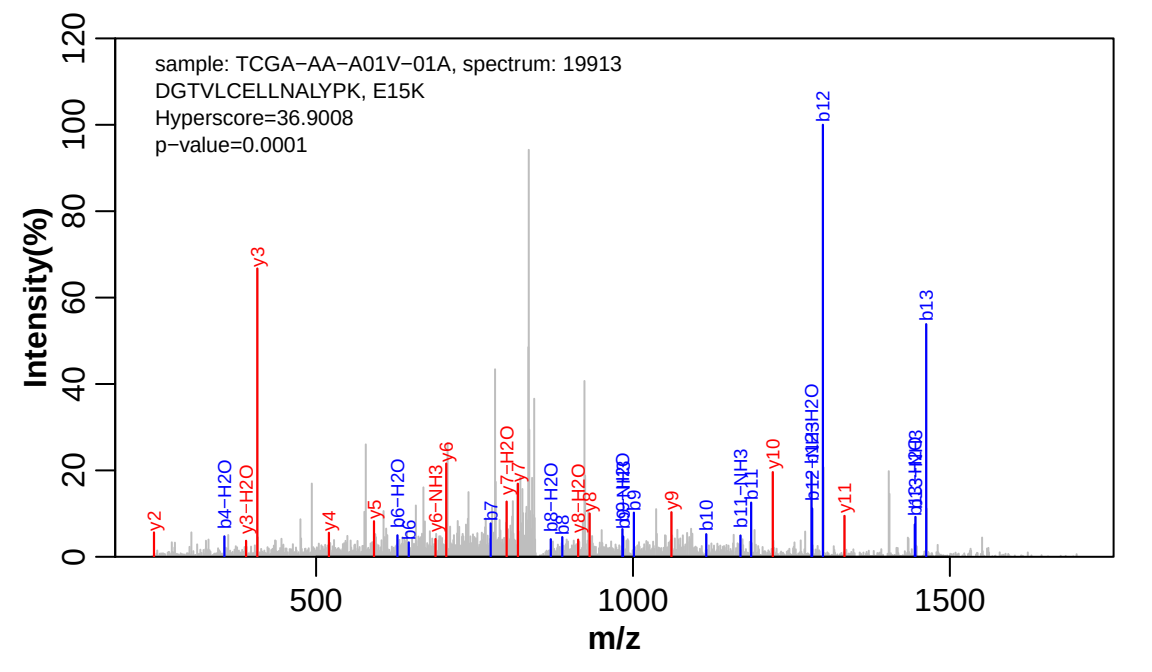

sample: TCGA−AA−A01V−01A, spectrum: 159717
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=47.6662
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
y14++
y5++−H2O
b7
y8
b10
y10

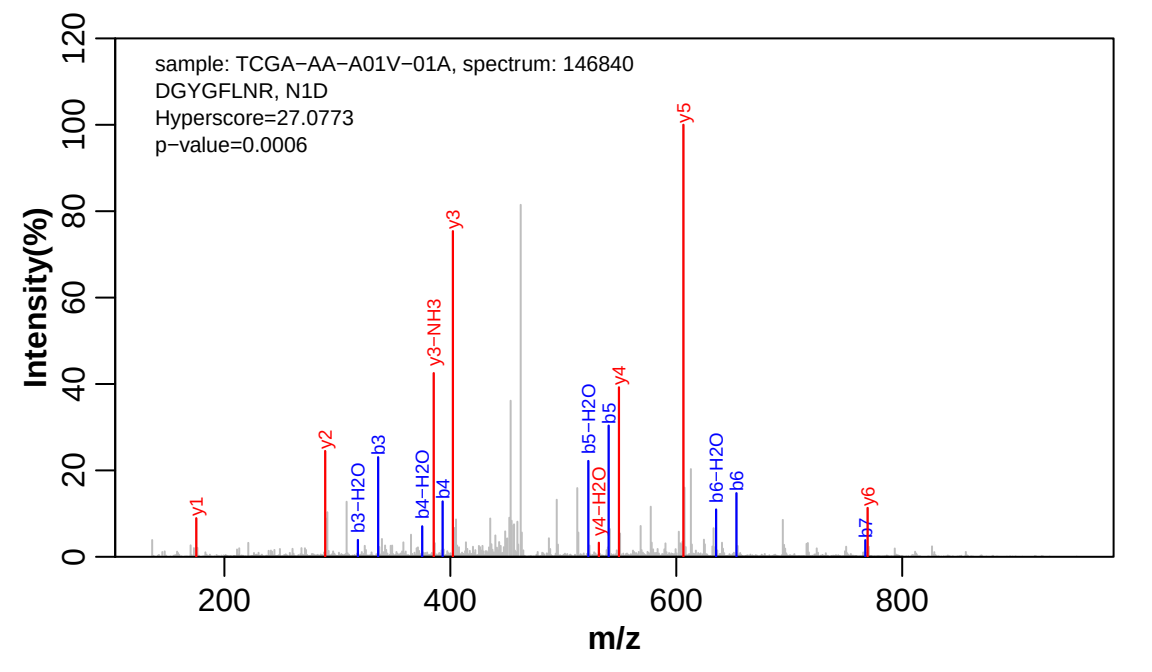

sample: TCGA−AA−A01V−01A, spectrum: 84923
AVEVATVVLQPTVLR, S12T
Hyperscore=33.8171
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b5
b6
y5
b7−H2O
b7−NH3
b7
y6−H2O
y6
b8−H2O
b8
y7
b9−NH3−H2O
b9
y8
b10
y9
y10
b13
y11
b12
b14

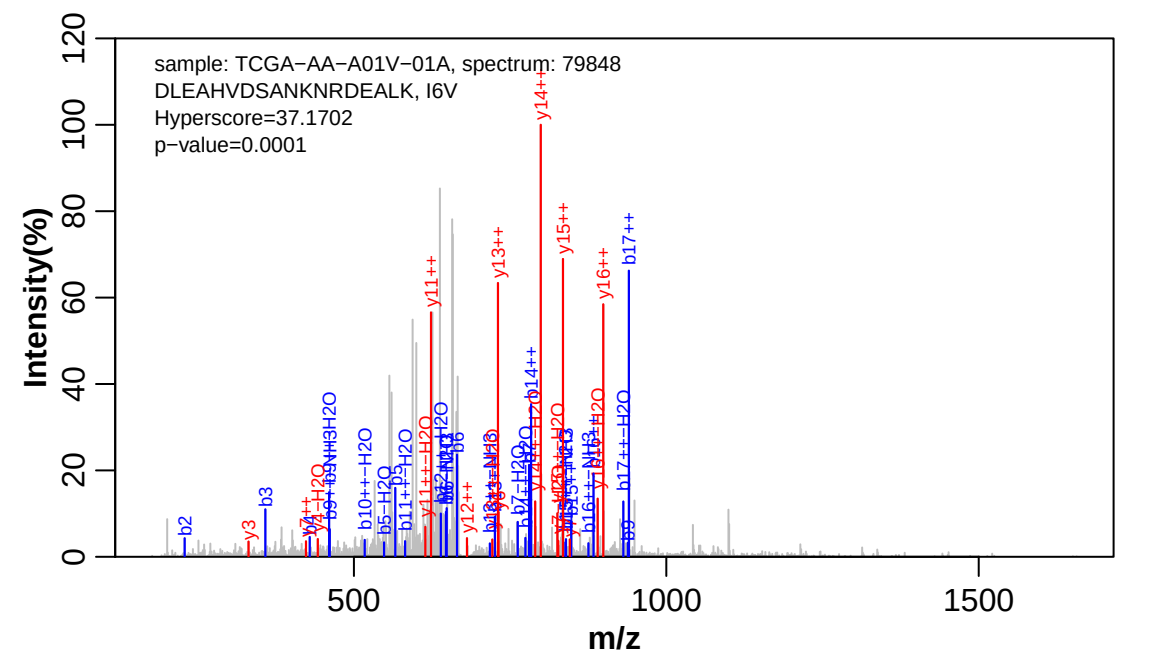

sample: TCGA−AA−A01V−01A, spectrum: 151640
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=36.9926
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
b4
y4−H2O
y5
b5
y5−NH3
b6
b6−NH3
y6−NH3
b7−H2O
b7
y7−NH3
y7
b8−NH3
b8
b9−NH3
b9
y10−H2O
y10
y11
y12−H2O
y12
y13

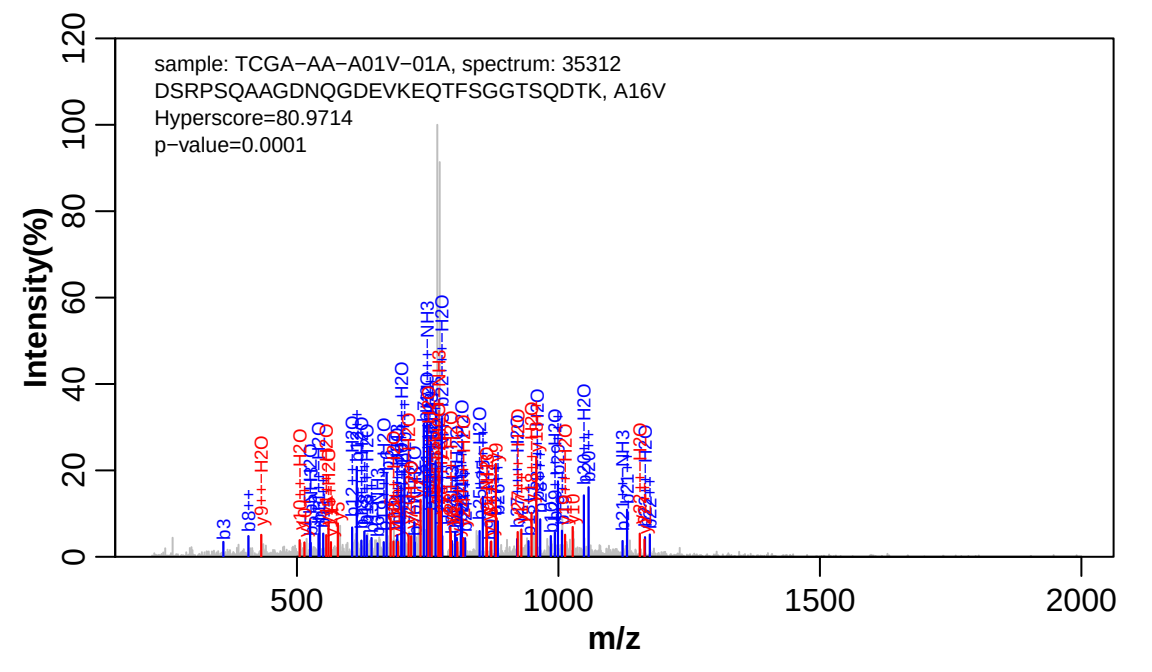

sample: TCGA−AA−A01V−01A, spectrum: 115435
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=99.5625
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y4
y5
y11++−H2O
y11++
b11+−H2O
b12++
b13++
b13++−H2O
y6
y14++−H2O
y7
b18++−H2O
b21++
b11
y12−NH3
y12
b12
b13

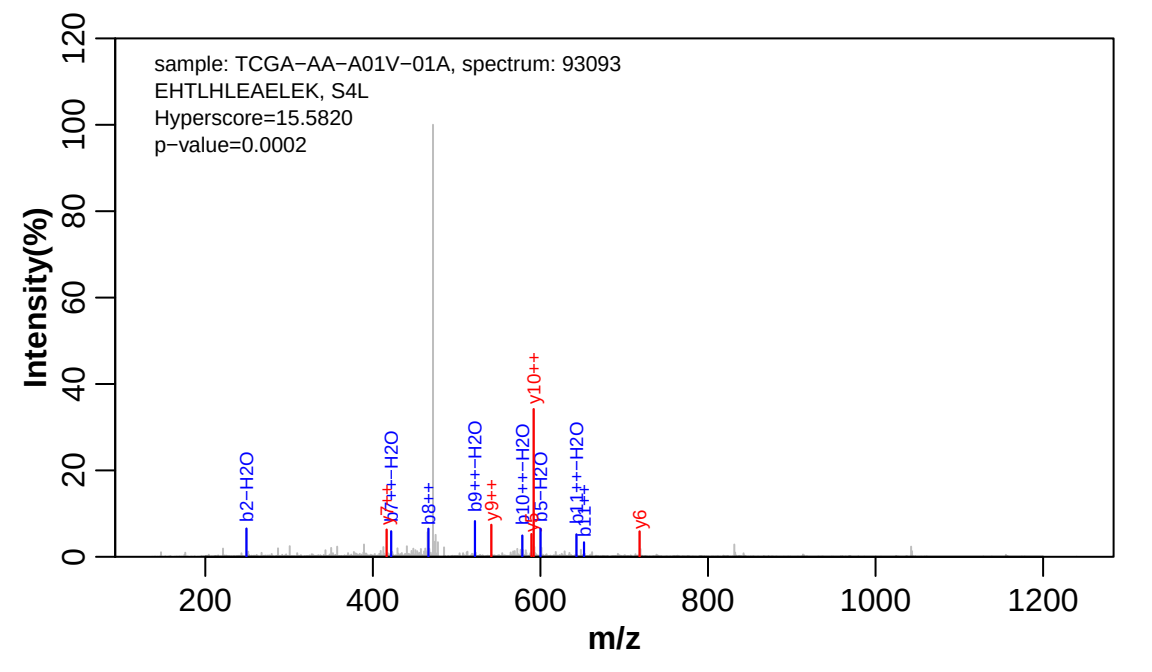

sample: TCGA−AA−A01V−01A, spectrum: 19001
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=51.5996
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4−H2O
y4
b4
y5−H2O
y5
b5
y6−H2O
y6
b6
y7
y8
b8
y9
b9
b10
y11−H2O
y11
b11
y12−NH3
y12
b12
b13−NH3
b13
b15

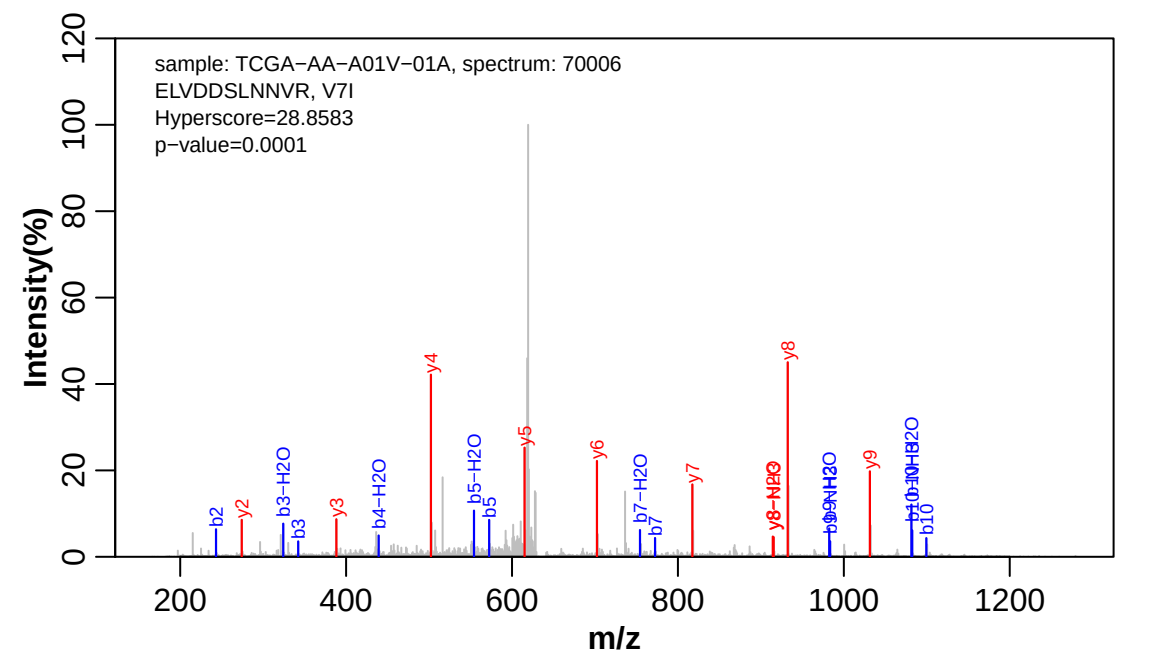

sample: TCGA−AA−A01V−01A, spectrum: 19913
DGTVLCELLNALYPK, E15K
Hyperscore=36.9008
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
b4−H2O
y3
y3−H2O
y4
y5
b6−H2O
b6
y6
y6−NH3
b7
y7
y7−H2O
b8−H2O
b8
y8
y8−H2O
b9
y9
b10
b11−NH3
b11
y10
b12
y11
b13

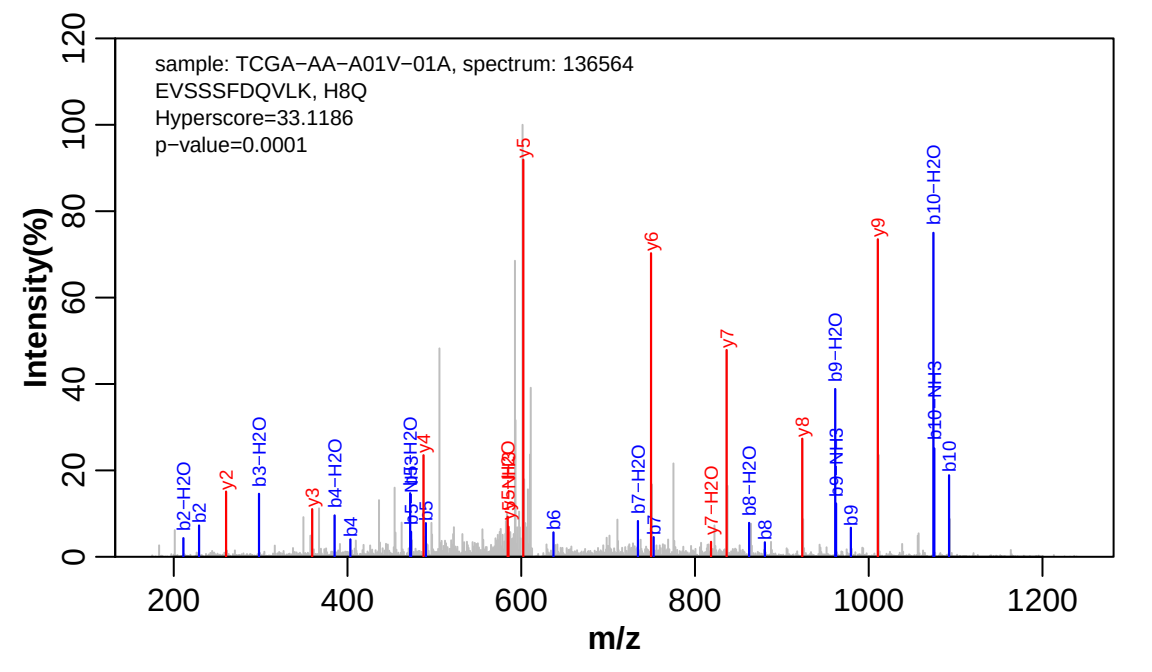

sample: TCGA−AA−A01V−01A, spectrum: 146840
DGYGFLNR, N1D
Hyperscore=27.0773
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−H2O
y4−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

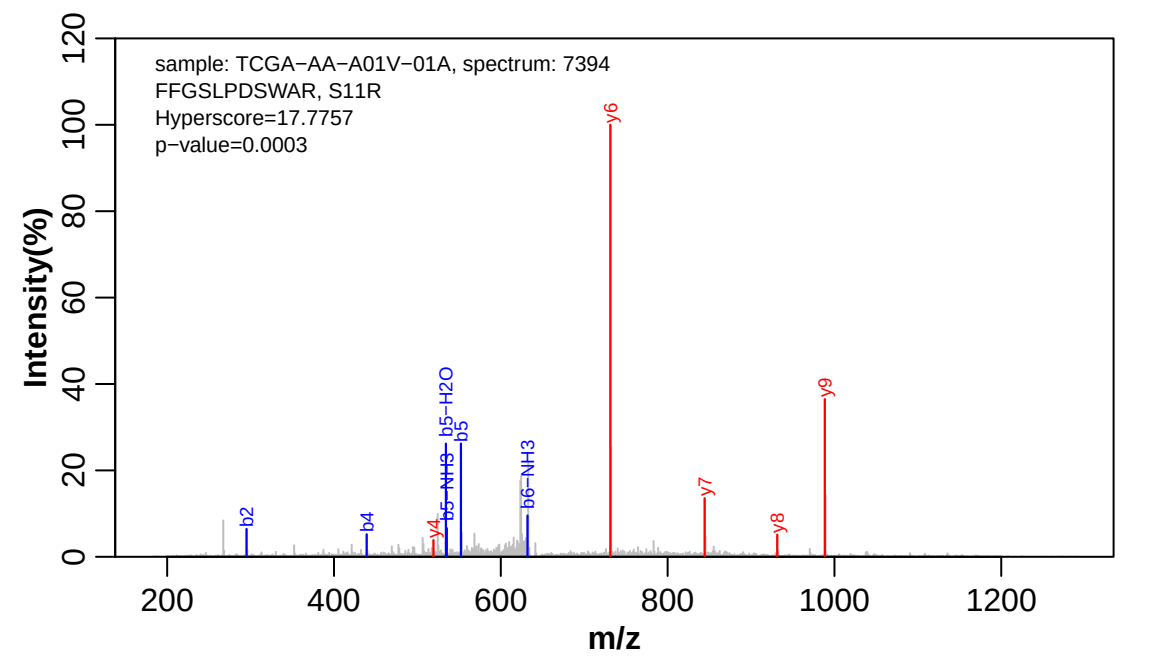

sample: TCGA−AA−A01V−01A, spectrum: 79848
DLEAHVDSANKNRDEALK, I6V
Hyperscore=37.1702
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y14++
y11++
y13++
y15++
b17++
y16++
b2
y3
b3
y4++
b10++−H2O
b5−H2O
b11++−H2O
y12++
b14++
b17++−H2O

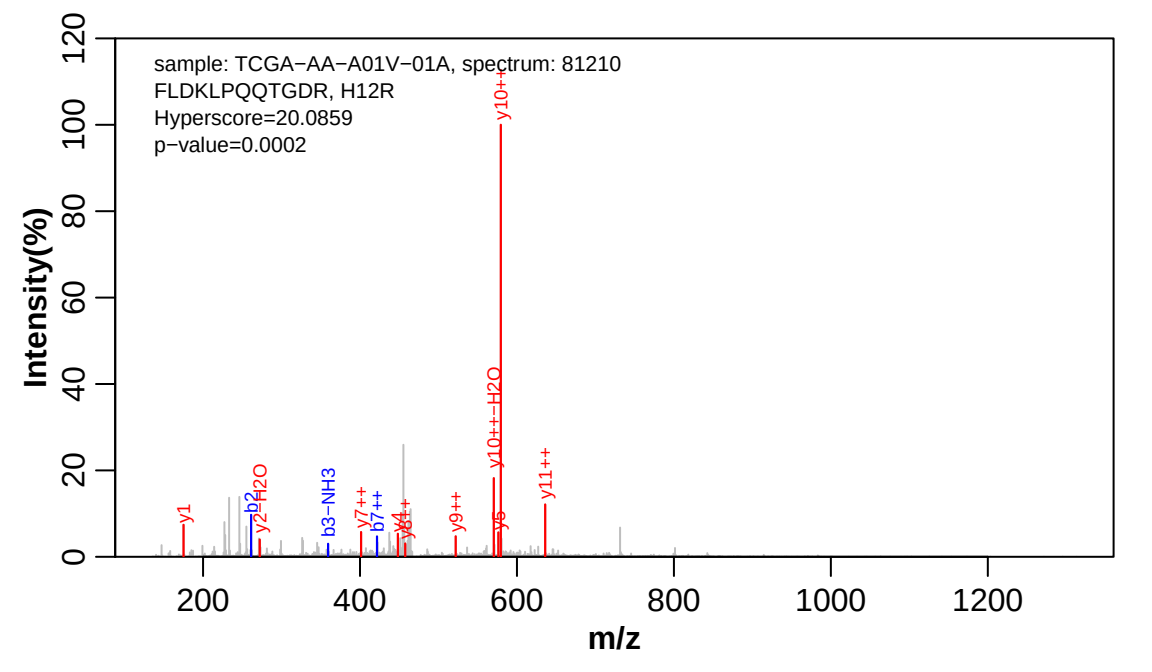

sample: TCGA−AA−A01V−01A, spectrum: 35312
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=80.9714
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
b3
b8++
y9++−H2O
b20++−H2O
b21++−NH3
y22++−H2O

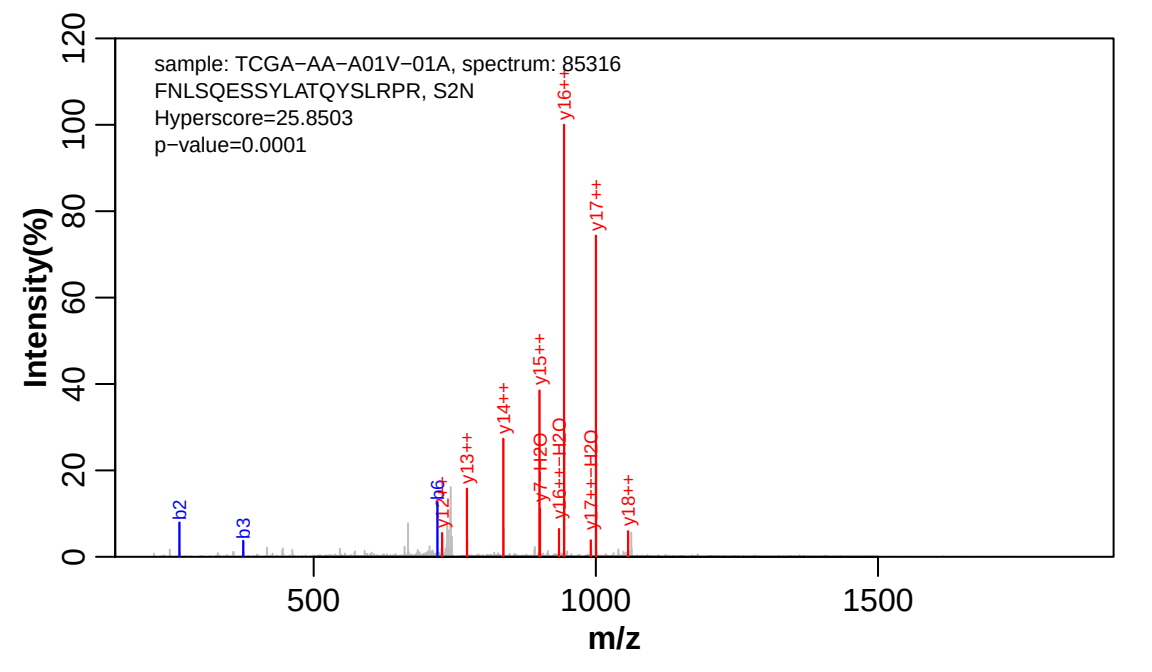

sample: TCGA−AA−A01V−01A, spectrum: 93093
EHTLHLEAELEK, S4L
Hyperscore=15.5820
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
y7++
y7++−H2O
b8++
b9++−H2O
y9++
b10++−H2O
y10++
b5−H2O
b11++−H2O
y6

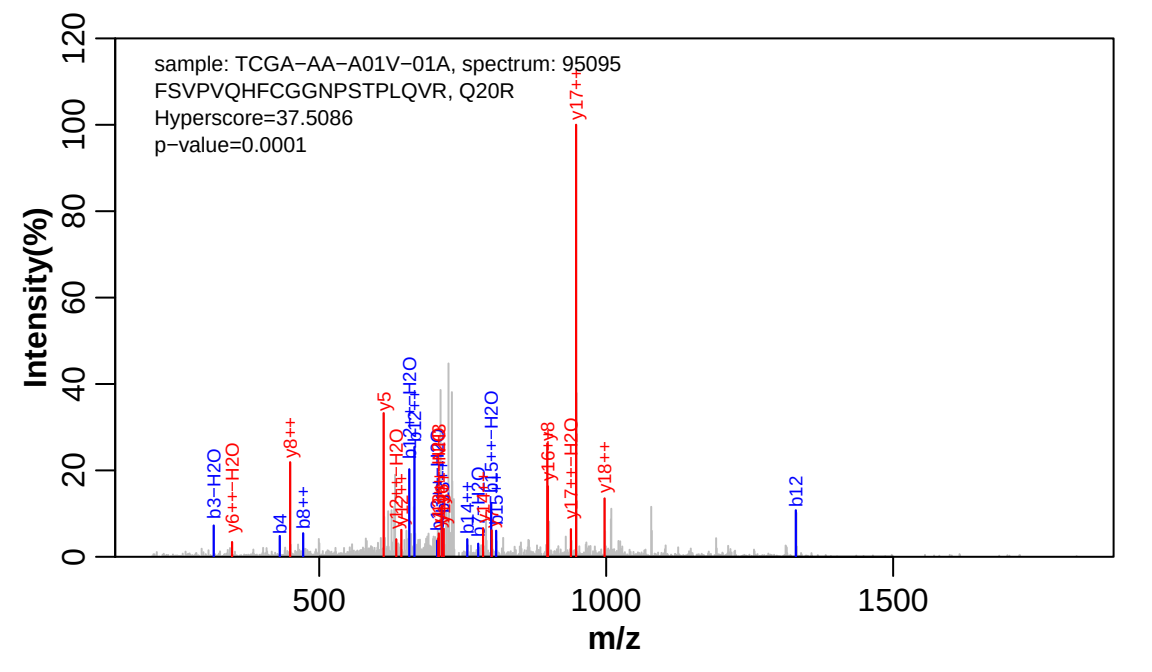

sample: TCGA−AA−A01V−01A, spectrum: 70006
ELVDDSLNNVR, V7I
Hyperscore=28.8583
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7
y8
y9
b10
y8−NH3
b9−NH3
b9−H2O
b10−NH3
b10−H2O

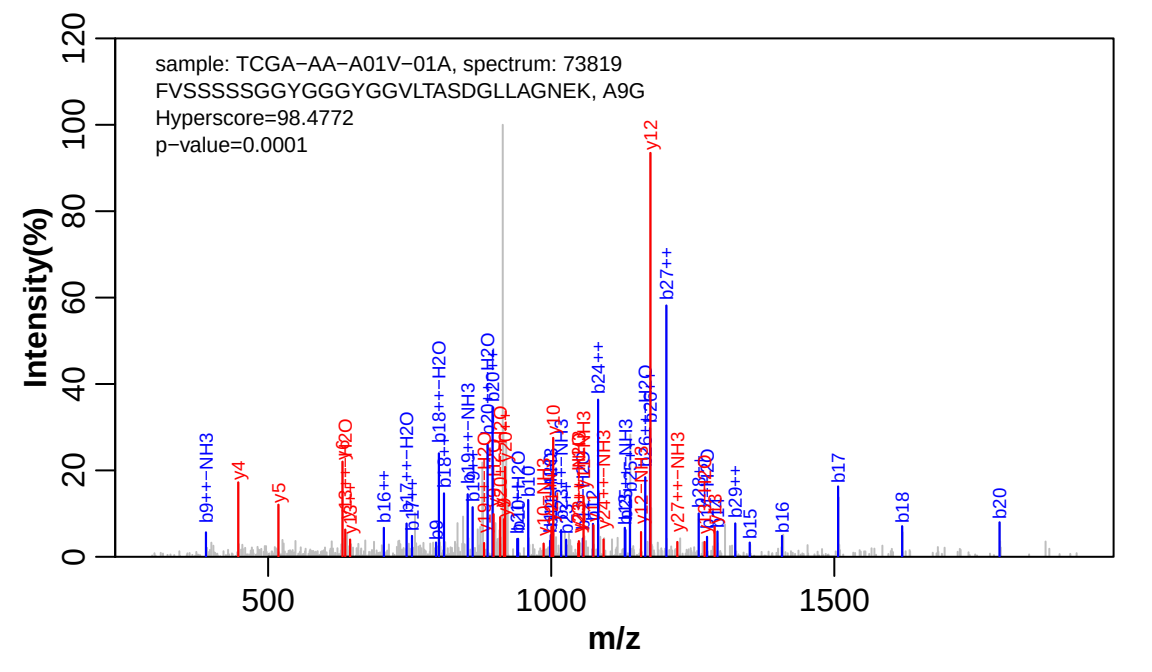

sample: TCGA−AA−A01V−01A, spectrum: 136564
EVSSSFDQVLK, H8Q
Hyperscore=33.1186
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
y3
b4−H2O
b4
b5−H2O
y4
b5
y5−H2O
y5
b6
b7−H2O
b7
y6
y7−H2O
y7
b8−H2O
b8
y8
b9−H2O
b9−NH3
b9
y9
b10−H2O
b10−NH3
b10

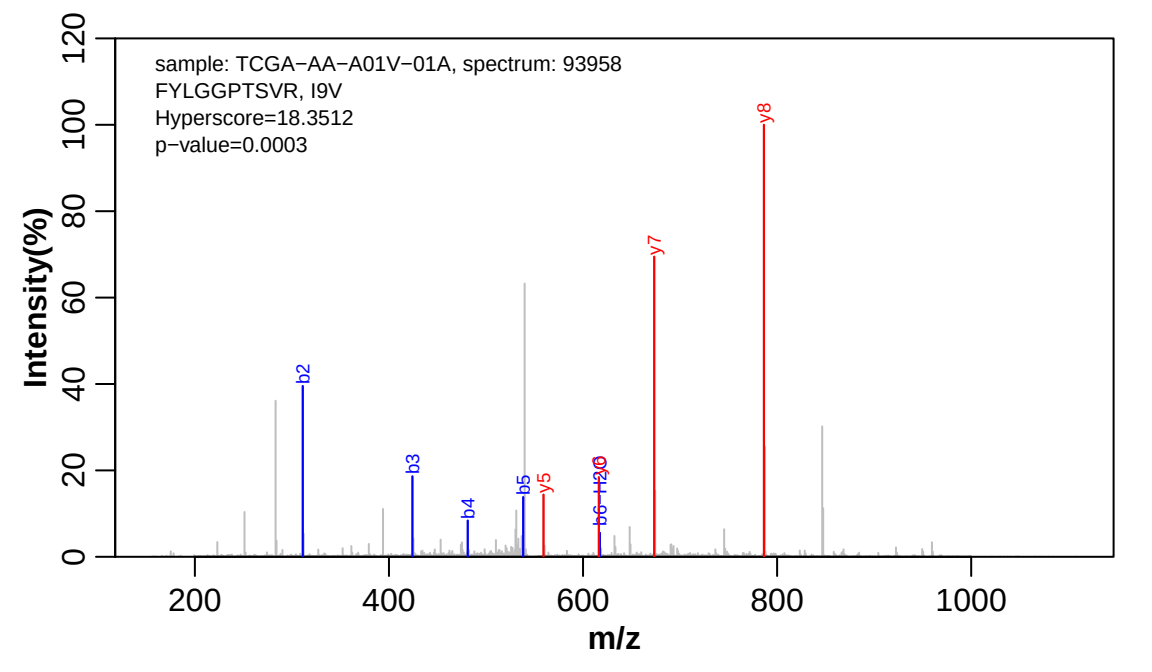

sample: TCGA−AA−A01V−01A, spectrum: 7394
FFGSLPDSWAR, S11R
Hyperscore=17.7757
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5
b5−H2O
b6−NH3
y6
y7
y8
y9

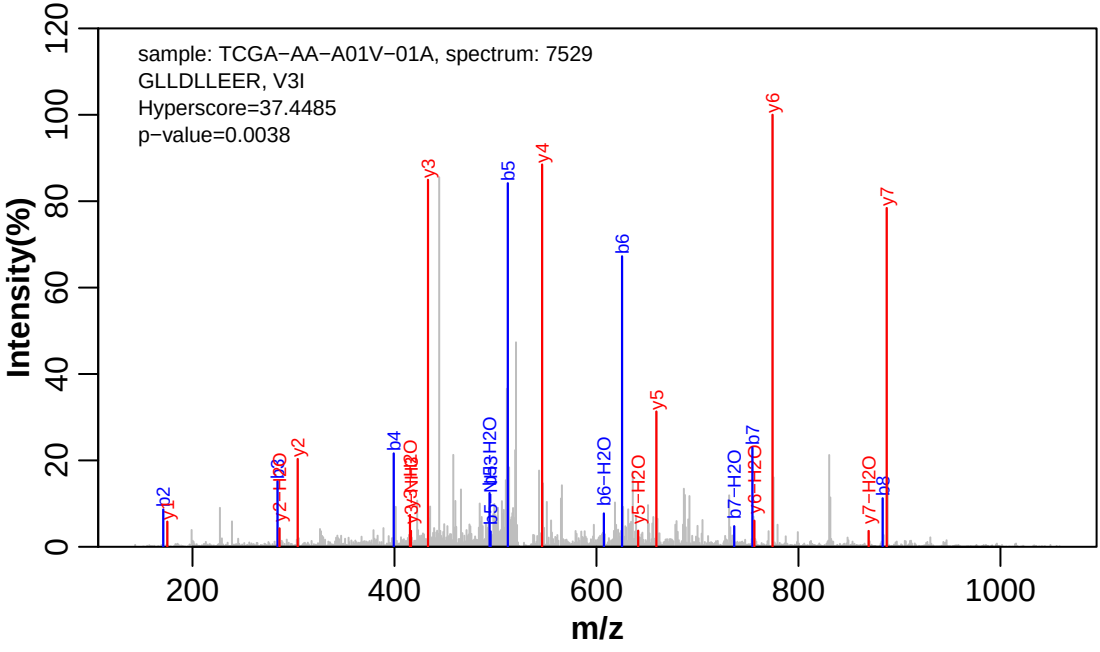

sample: TCGA−AA−A01V−01A, spectrum: 81210
FLDKLPQQTGDR, H12R
Hyperscore=20.0859
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2−H2O
b3−NH3
y7++
b7++
y8++
y9++
y10++
y10++−H2O
y8
y11++

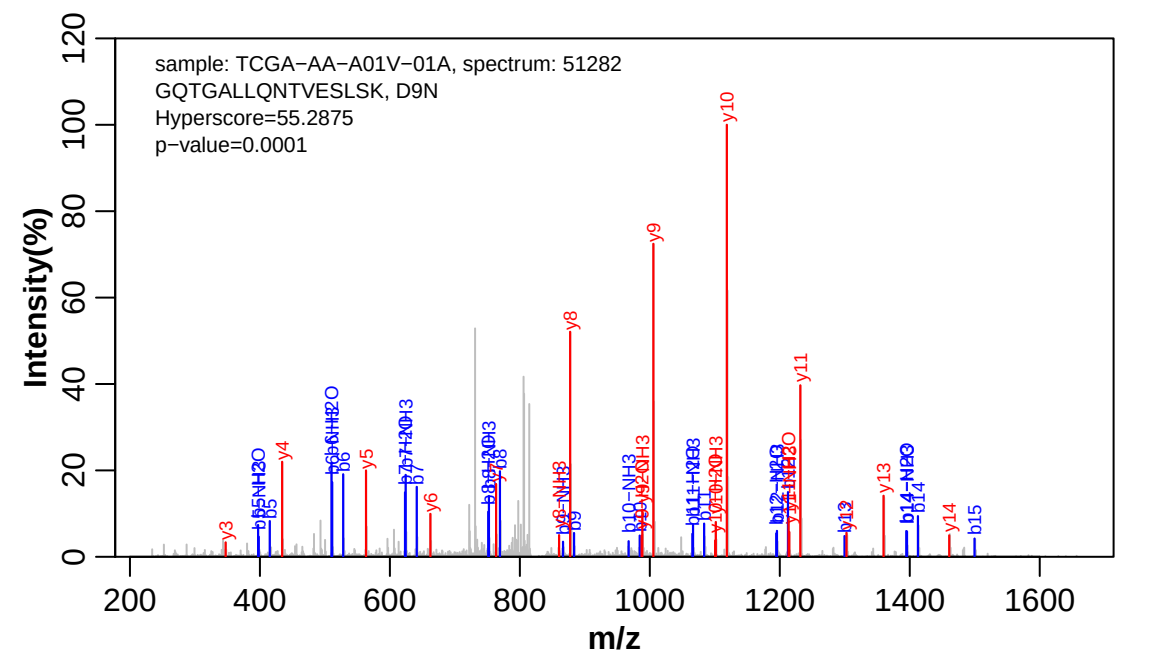

sample: TCGA−AA−A01V−01A, spectrum: 85316
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=25.8503
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
y12-b6
y13++
y14++
y7-H2O
y15++
y16++-H2O
y16++
y17++-H2O
y17++
y18++

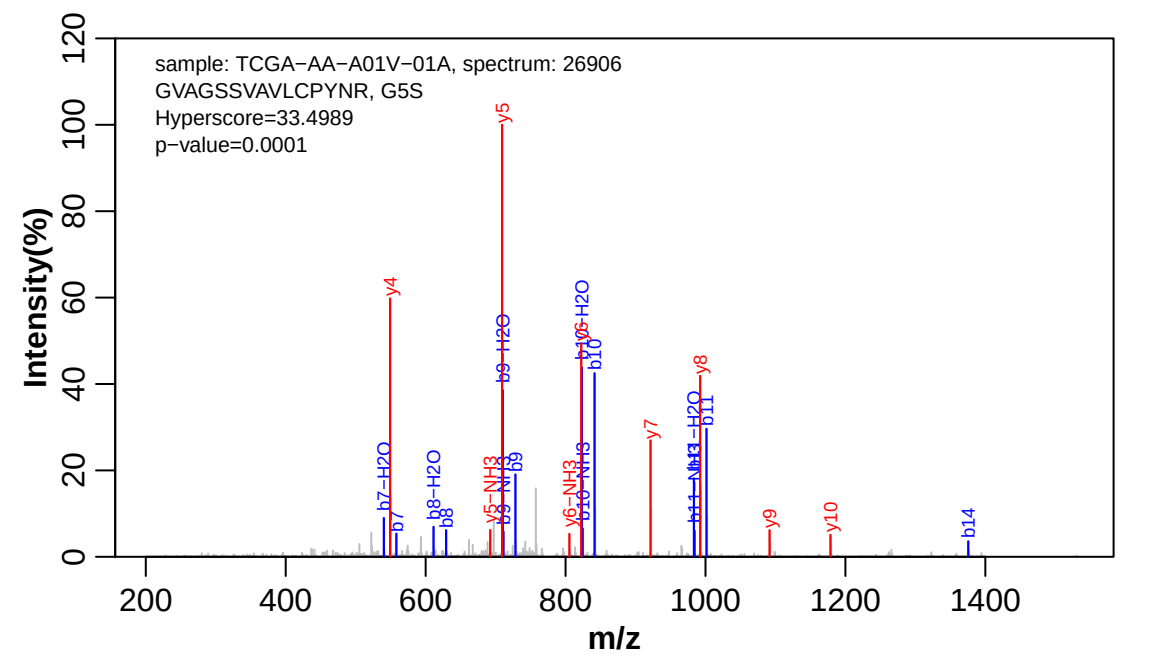

sample: TCGA−AA−A01V−01A, spectrum: 95095
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=37.5086
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
y6++−H2O
b4
y8++
b8++
y5
y17++
y16+y8
y17++−H2O
y18++
b12

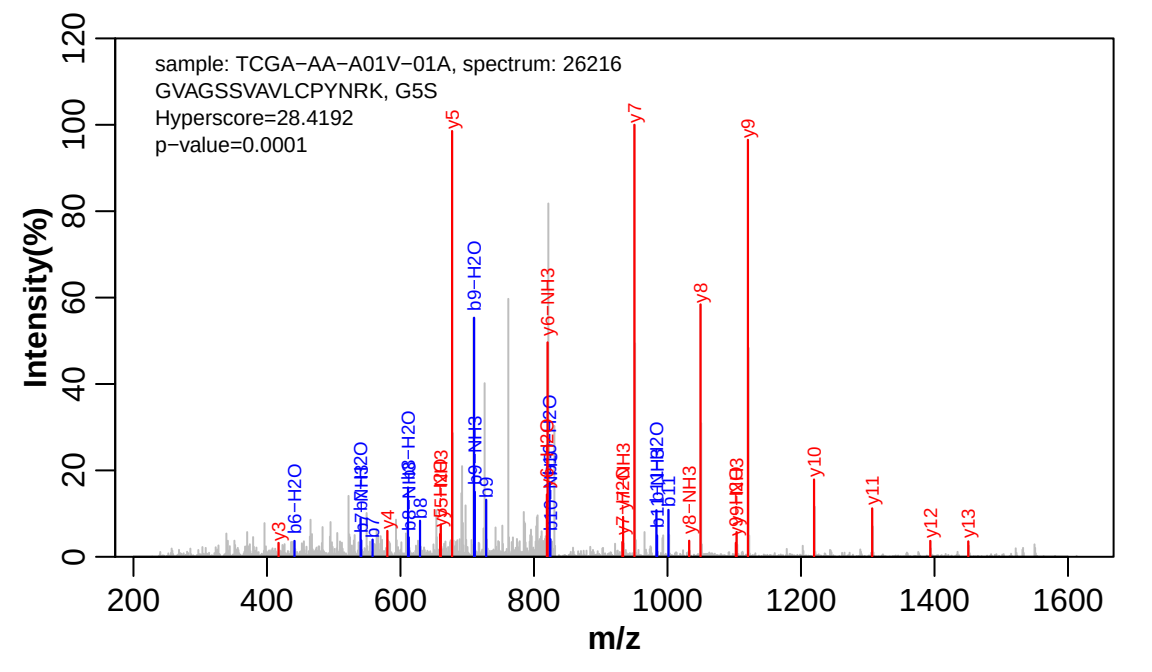

sample: TCGA−AA−A01V−01A, spectrum: 73819
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=98.4772
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
b27++
y27++−NH3
b17
b18
b20
b16
b15
b29++
y4
y5
b9++−NH3
b16++
b18++−H2O
b24++
y24++−NH3

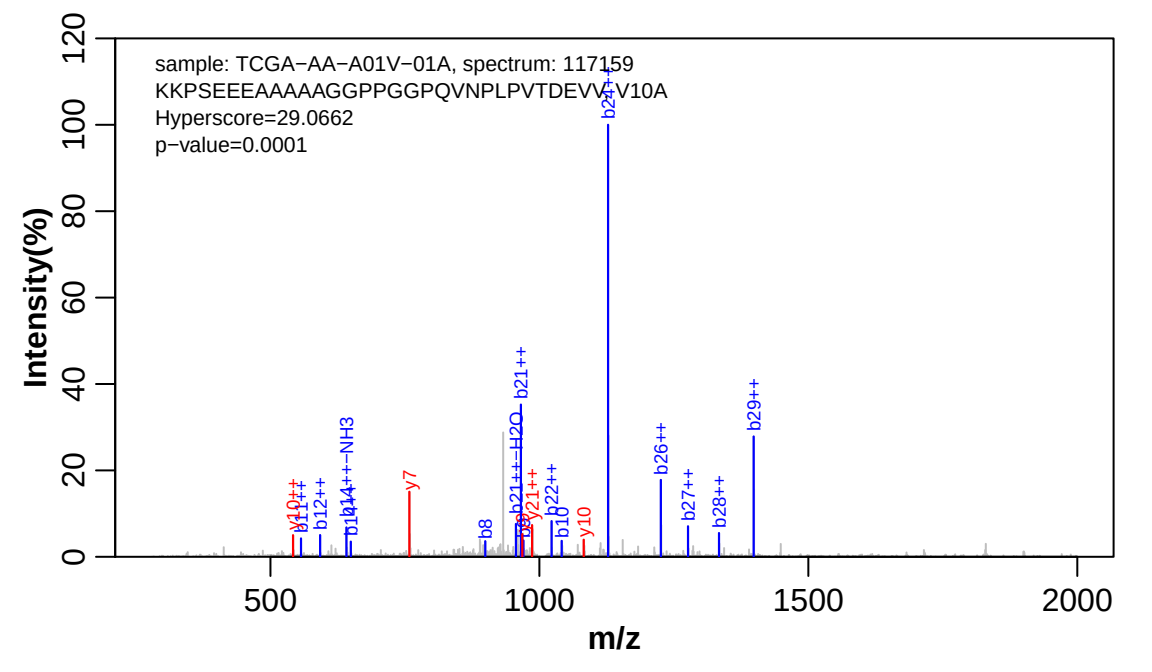

sample: TCGA−AA−A01V−01A, spectrum: 93958
FYLGGPTSVR, I9V
Hyperscore=18.3512
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

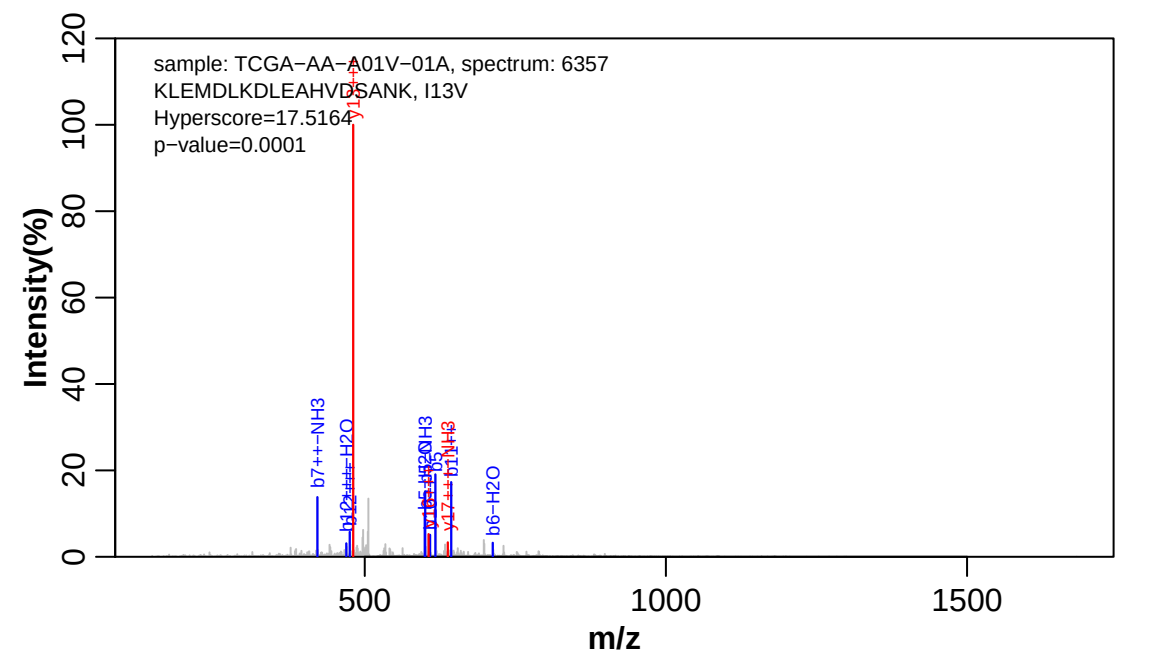

sample: TCGA−AA−A01V−01A, spectrum: 7529
GLLDLLEER, V3I
Hyperscore=37.4485
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
y2−H2O
b4
y3
b5
b5−H2O
y4
b6
b6−H2O
y5
y5−H2O
b7−H2O
y6
y6−H2O
b7
y7
y7−H2O
b8

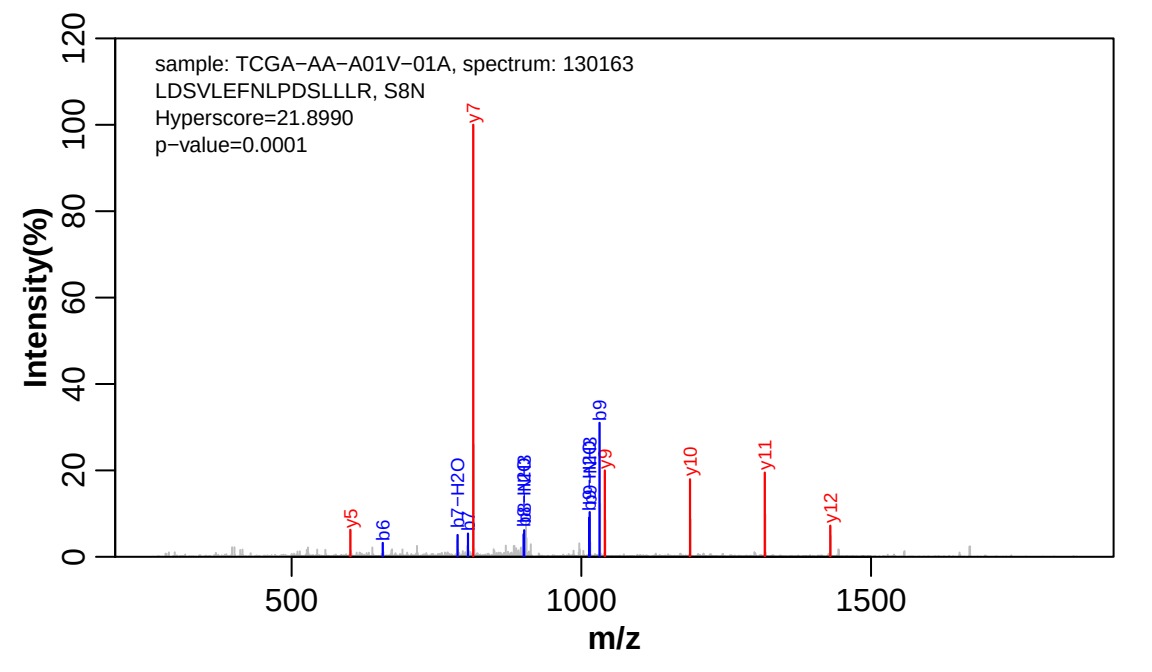

sample: TCGA−AA−A01V−01A, spectrum: 51282
GQTGALLQNTVESLSK, D9N
Hyperscore=55.2875
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y4
y5
y6
y3
y13
y14
b15

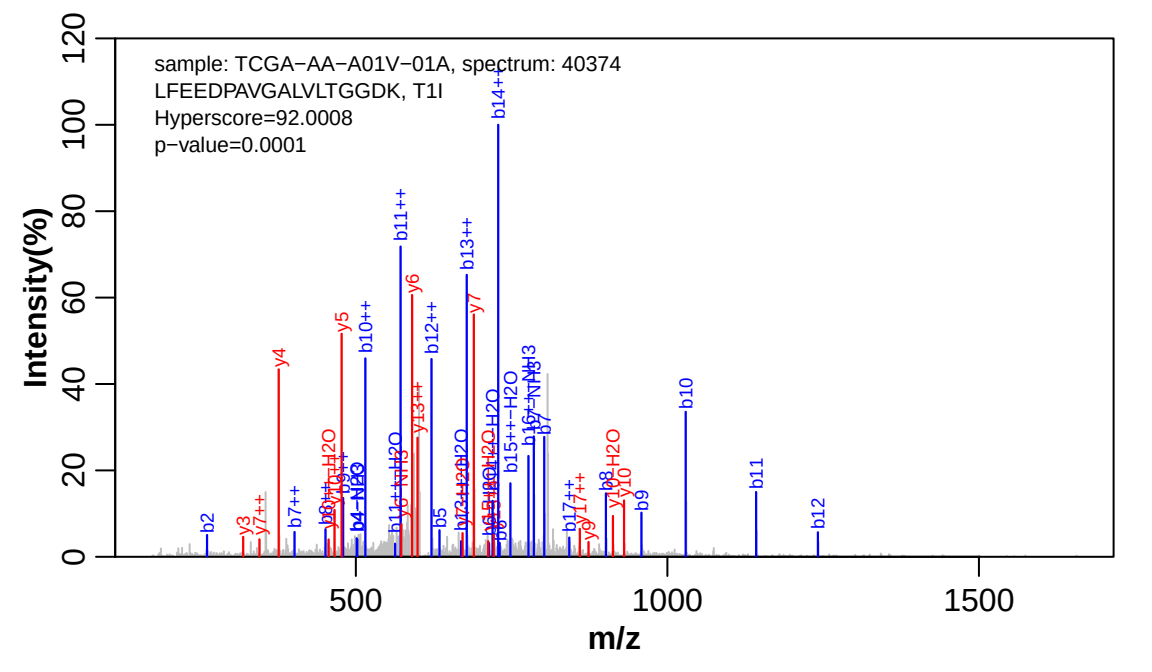

sample: TCGA−AA−A01V−01A, spectrum: 26906
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.4989
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
b10
y8
y7
b11−H2O
b11
b7−H2O
b7
b8−H2O
b8
y5−NH3
b9
y6−NH3
b10−NH3
y9
y10
b14

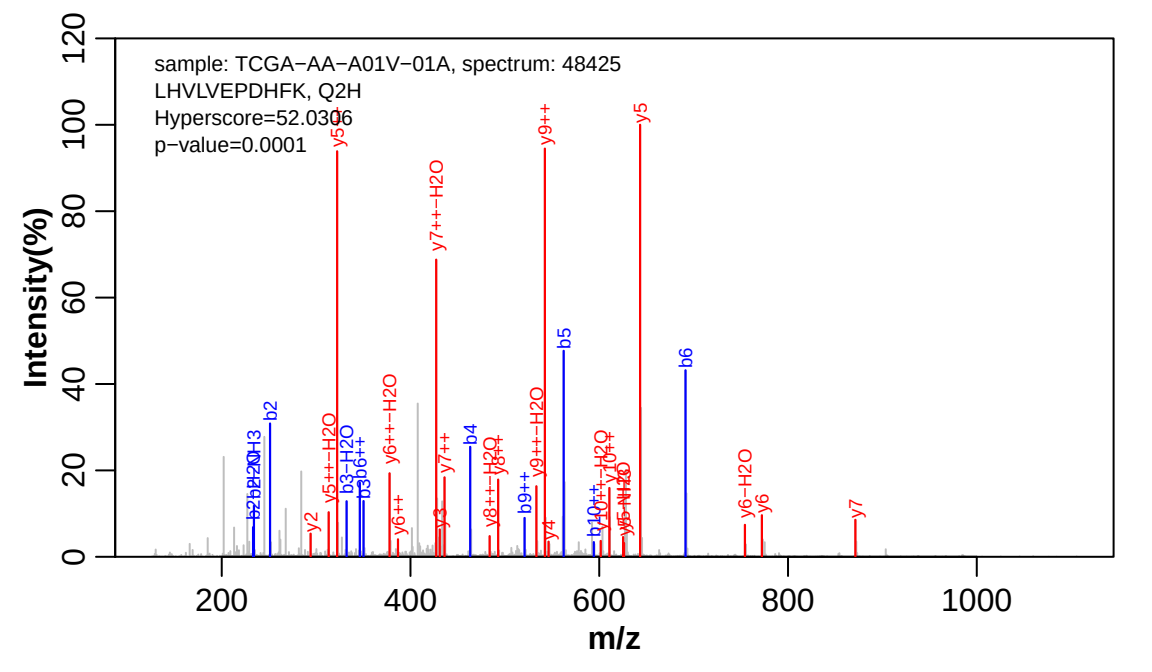

sample: TCGA−AA−A01V−01A, spectrum: 26216
GVAGSSVAVLCPYNRK, G5S
Hyperscore=28.4192
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y7
y9
y8
y10
y11
y12
y13
y4
y3
b9−H2O
b9−NH3
b6−H2O
y6−NH3

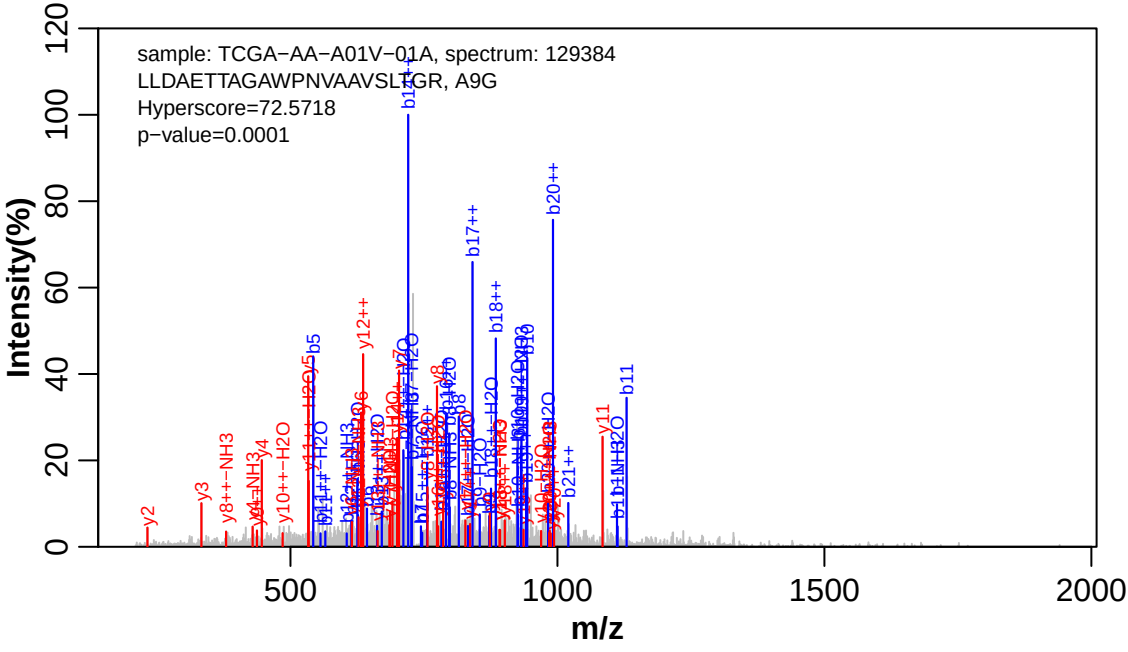

sample: TCGA−AA−A01V−01A, spectrum: 117159
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=29.0662
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
b21++
b21++−H2O
b21++−NH3
b29++
b26++
b27++
b28++
b12++
b14++
b14++−NH3
y7
y10++
b11++
b8
b9
y21++
b10
b22++
y10

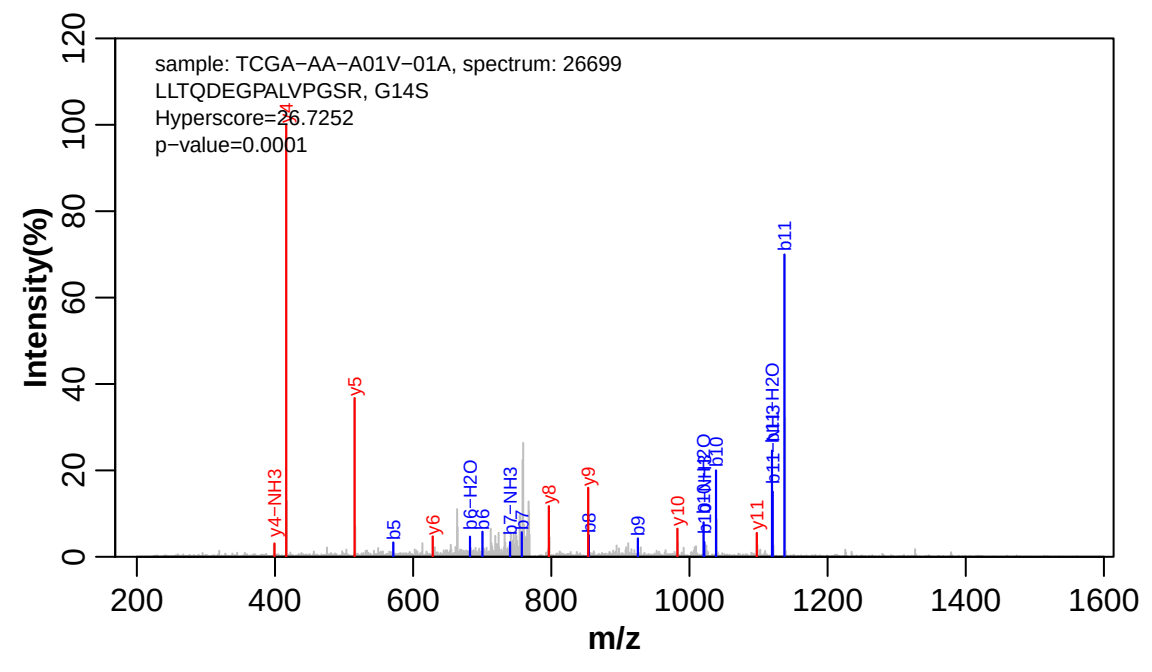

sample: TCGA−AA−A01V−01A, spectrum: 6357
KLEMDLKDLEAHVDSANK, I13V
Hyperscore=17.5164
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y15++
b7++−NH3
b12++−H2O
b6−H2O

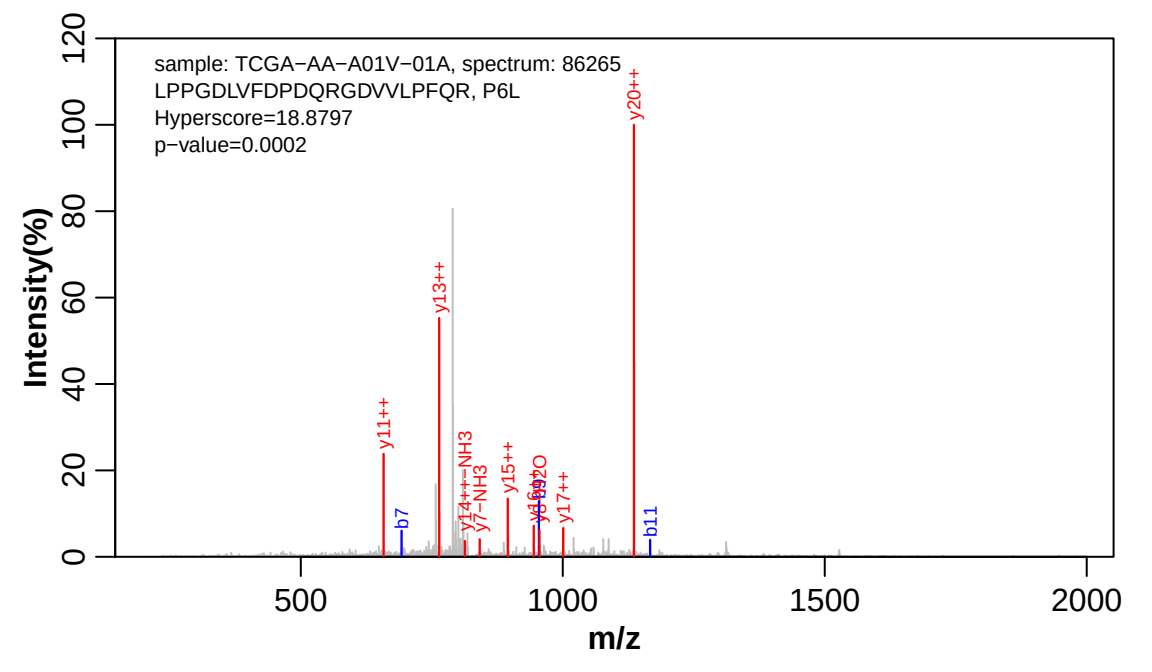

sample: TCGA−AA−A01V−01A, spectrum: 130163
LDSVLEFNLPDSLLLR, S8N
Hyperscore=21.8990
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y5
b6
b7−H2O
y7
b9
y9
y10
y11
y12

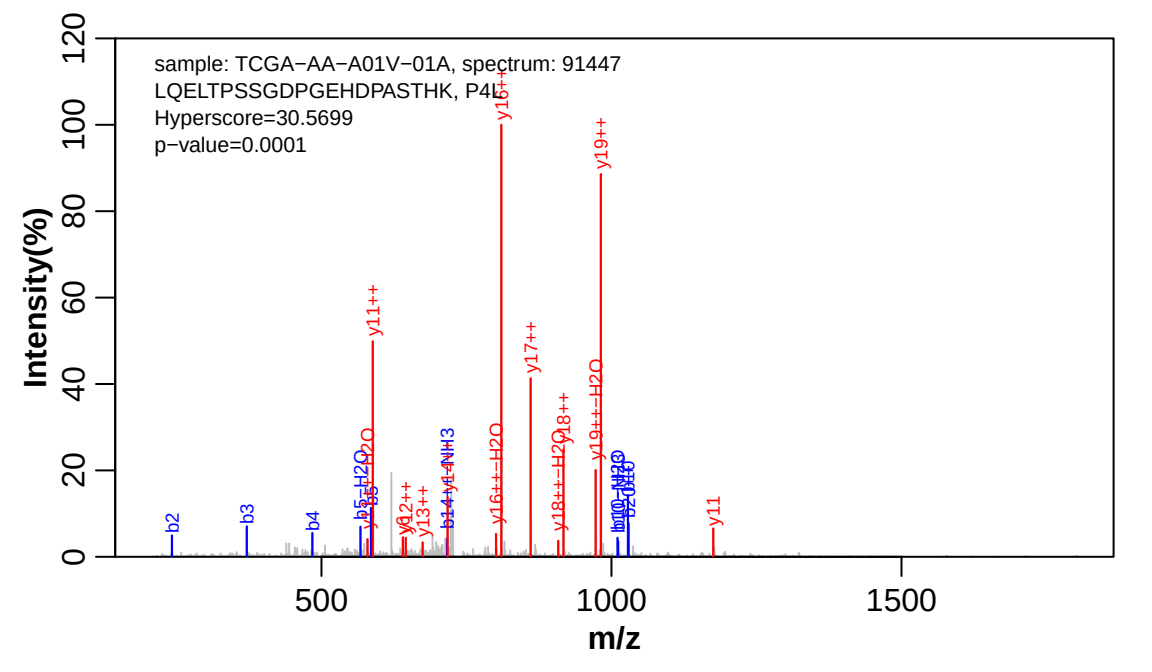

sample: TCGA−AA−A01V−01A, spectrum: 40374
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=92.0008
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y7++
y4
b7++
y5
b10++
b11++
y6
y13++
b12++
b13++
y7
b14++
b15++−H2O
b10
b11
b12
b9
y10
b5
b6
b17++
y9
y17++
y8
b7
b16−NH3

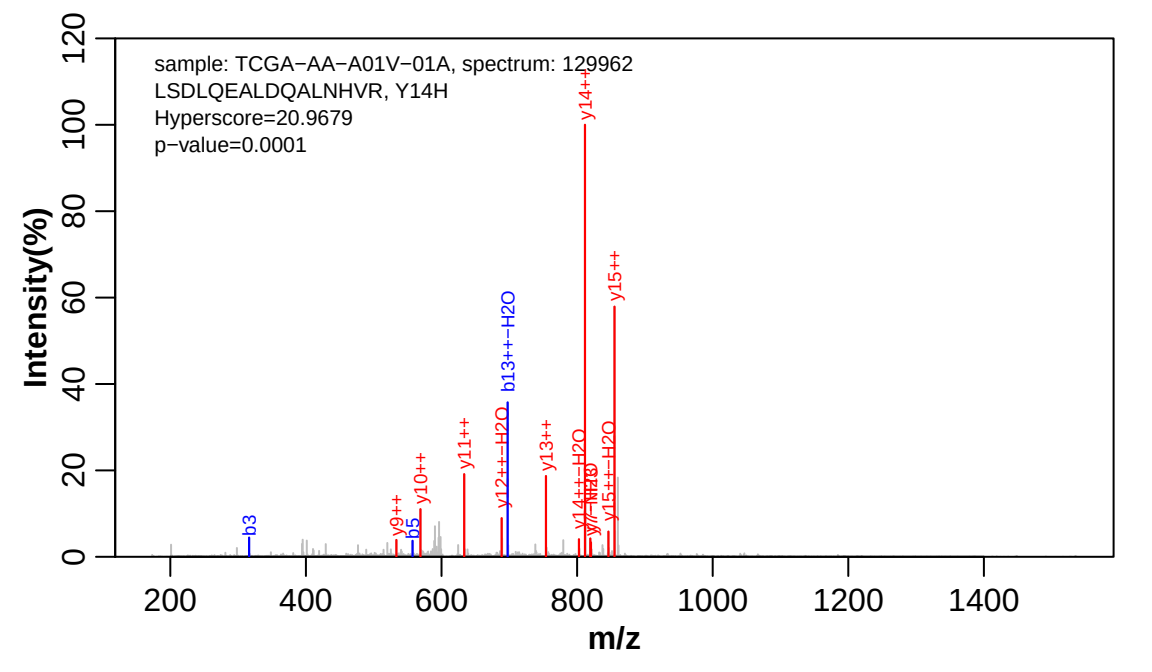

sample: TCGA−AA−A01V−01A, spectrum: 48425
LHVLVEPDHFK, Q2H
Hyperscore=52.0306
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y5
y9++
y7++−H2O
b5
b6
b2
y5++−H2O
b3−H2O
b3
b6++
y6++−H2O
y6++
y7++
y3
b4
y8++−H2O
y8++
b9++
y9++−H2O
y4
b10++
y10++−H2O
y10++
y6−H2O
y6
y7

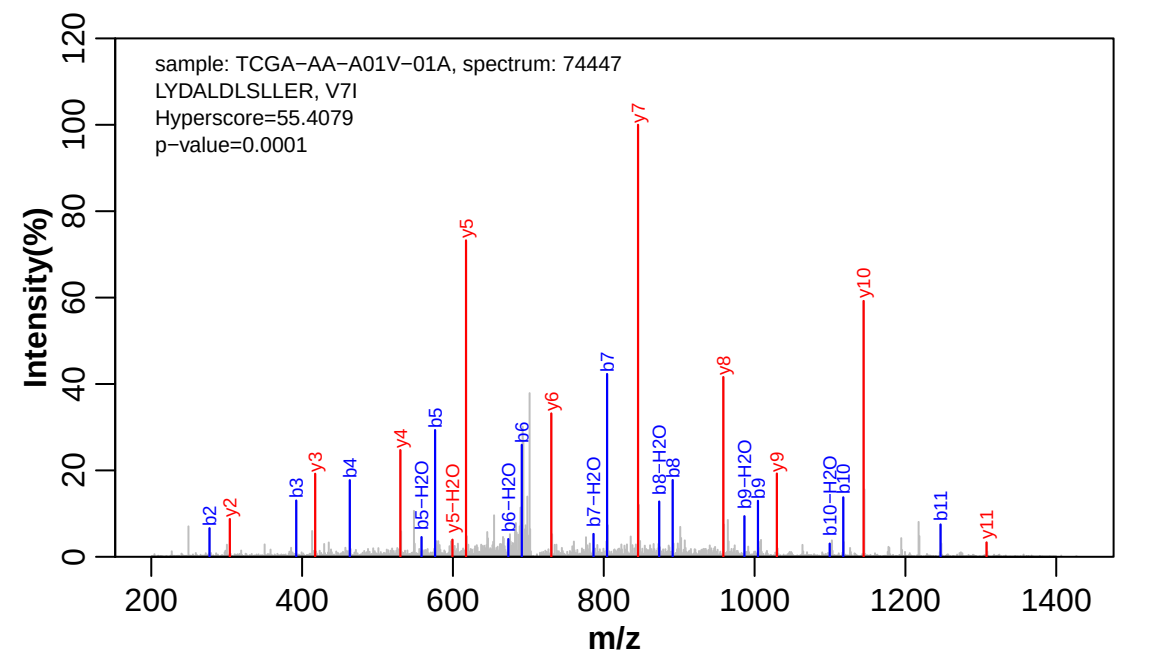

sample: TCGA−AA−A01V−01A, spectrum: 129384
LLDAETTAGAWPNVAAVSLTGR, A9G
Hyperscore=72.5718
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y8++−NH3
y4
y4−NH3
y10++−H2O
y11++−H2O
b5
y12++
b11++
b17++
b18++
b20++
b21++
y11
b11−NH3−H2O
b11

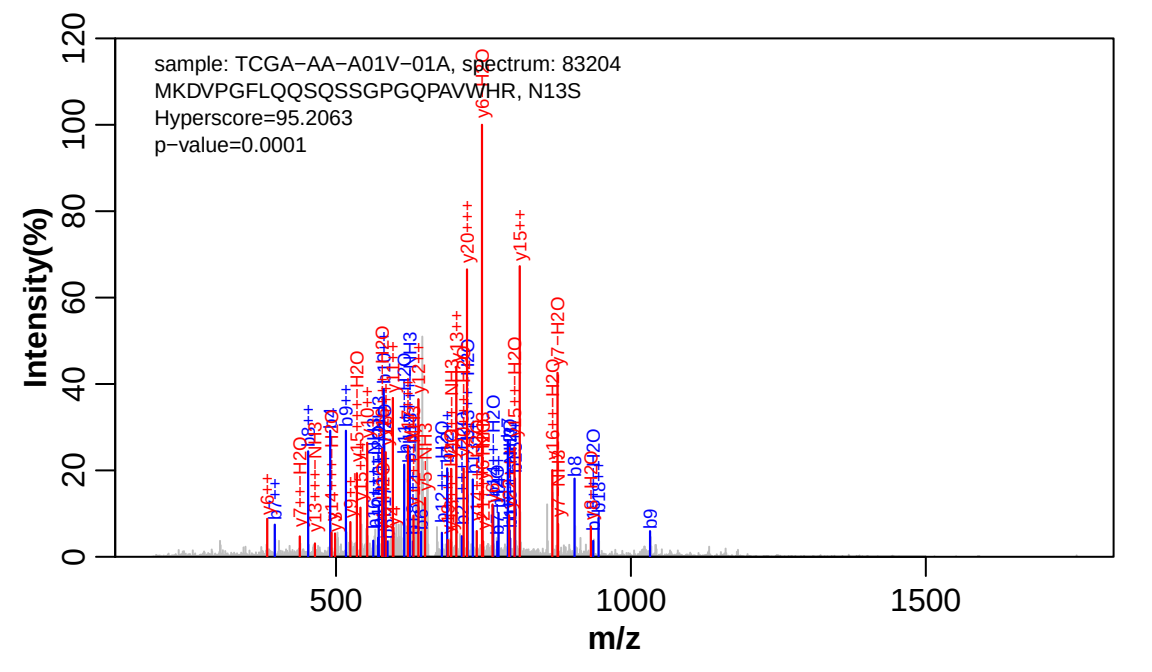

sample: TCGA−AA−A01V−01A, spectrum: 26699
LLTQDEGPALVPGSR, G14S
Hyperscore=26.7252
p−value=0.0001
Intensity(%)
m/z
y4
y4−NH3
y5
b5
y6
b6−H2O
b6
b7−NH3
b7
y8
y9
b8
b9
y10
b10−H2O
b10
y11
b11
b11−H2O
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

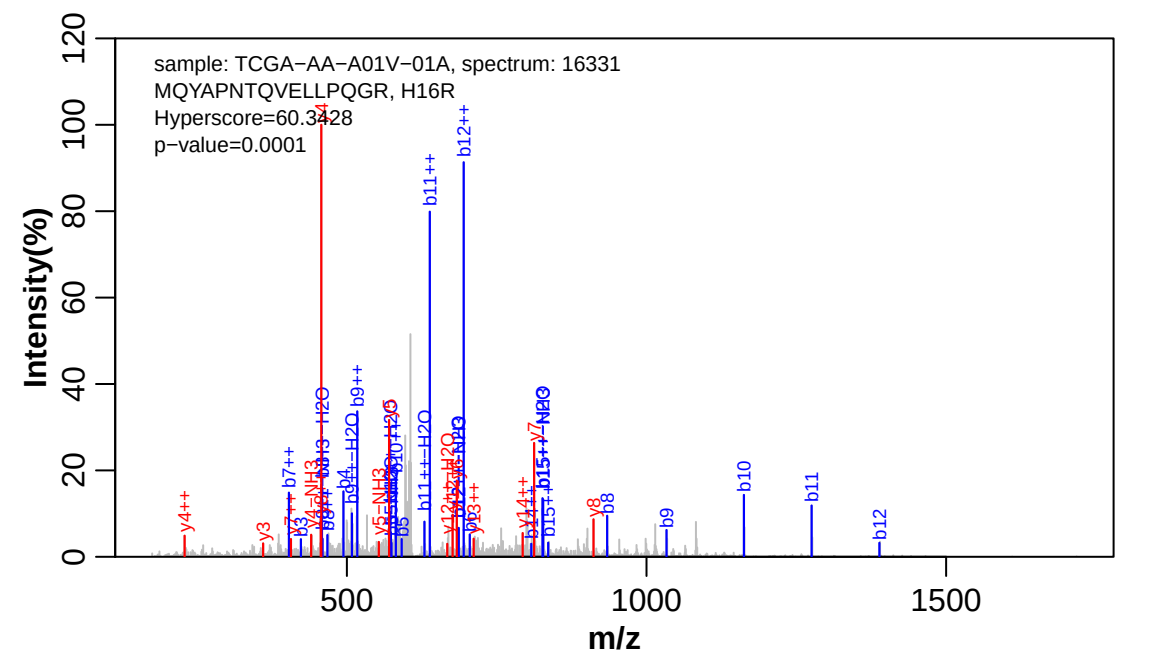

sample: TCGA−AA−A01V−01A, spectrum: 86265
LPPGDLVFDPDQRGDVVLPFQR, P6L
Hyperscore=18.8797
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y20++
y13++
y11++
b7
y14++−NH3
y7−NH3
y15++
y16++−H2O
y16++
y17++
b11

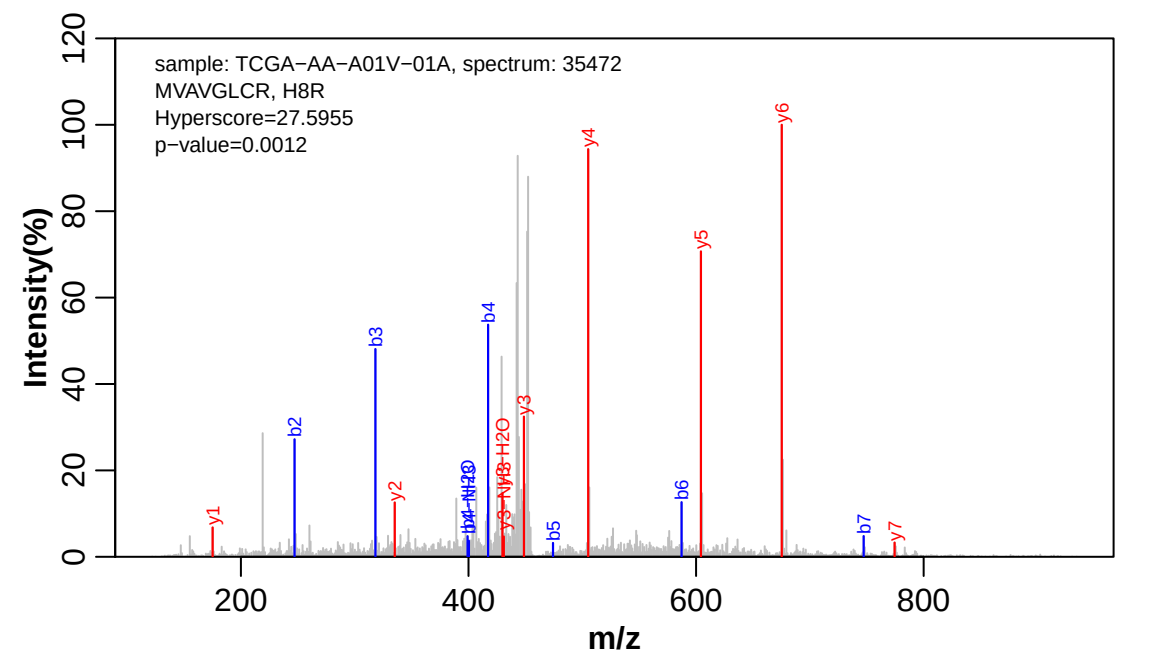

sample: TCGA−AA−A01V−01A, spectrum: 91447
LQELTPSSGDPGEHDPASTHK, P4E
Hyperscore=30.5699
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b4
y11++
y16++
y19++
y17++
y18++
y19++−H2O
y16++−H2O
y18++−H2O
y11

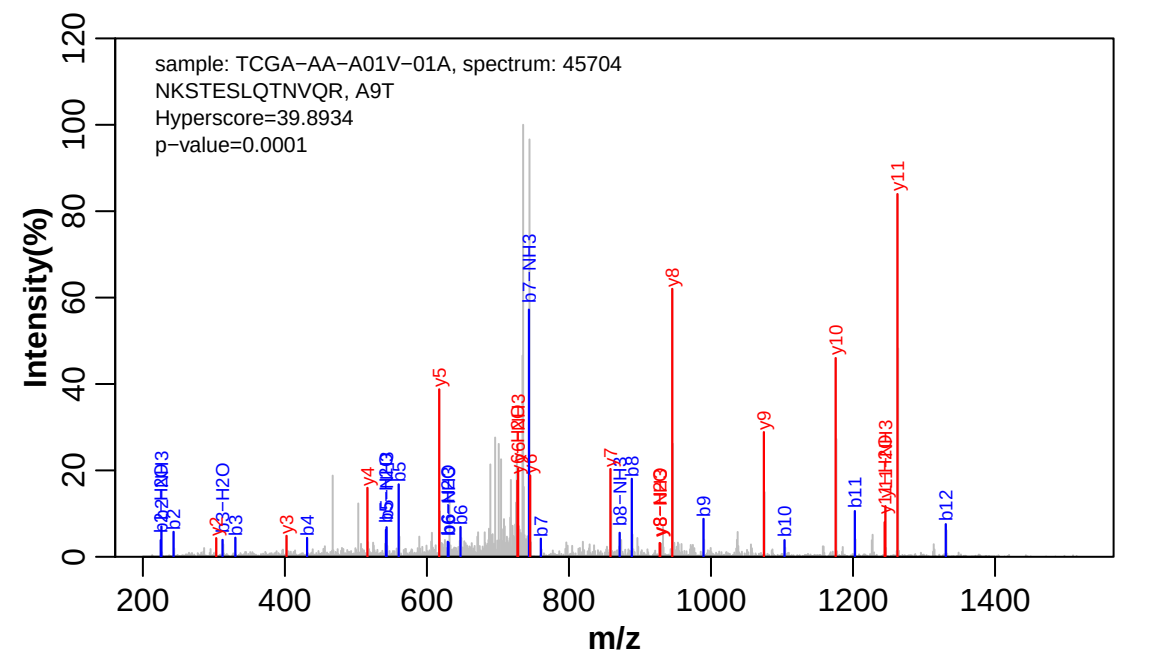

sample: TCGA−AA−A01V−01A, spectrum: 129962
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.9679
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y9++
b5
y10++
y11++
y12++−H2O
b13++−H2O
y13++
y14++−H2O
y14++−NH3
y15++−H2O
y14++
y15++

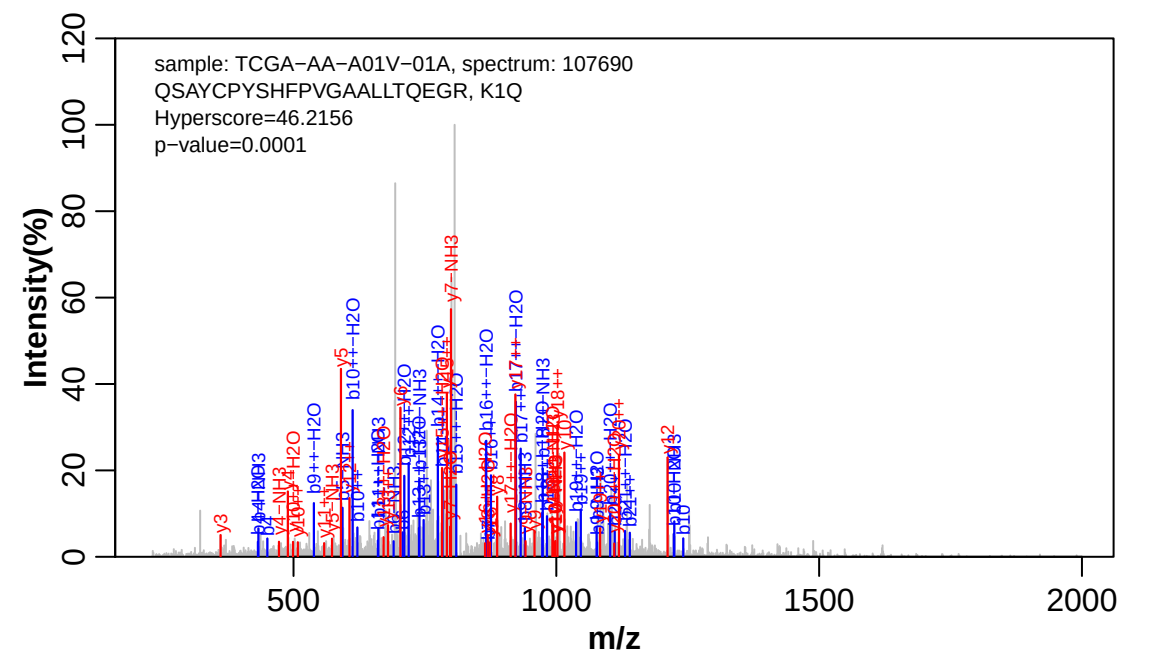

sample: TCGA−AA−A01V−01A, spectrum: 74447
LYDALDLSLLER, V7I
Hyperscore=55.4079
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
y4
b5
b5−H2O
y5
y5−H2O
b6
b6−H2O
y6
b7
b7−H2O
b8
b8−H2O
y7
y8
b9
b9−H2O
y9
b10
b10−H2O
y10
b11
y11

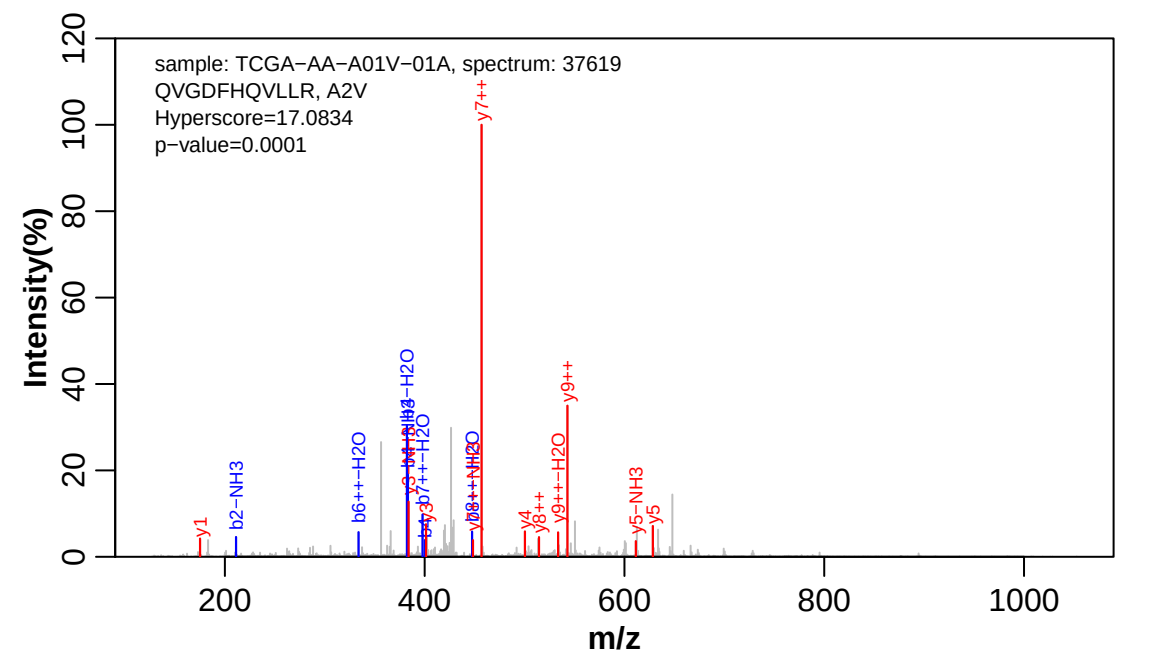

sample: TCGA−AA−A01V−01A, spectrum: 83204
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=95.2063
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

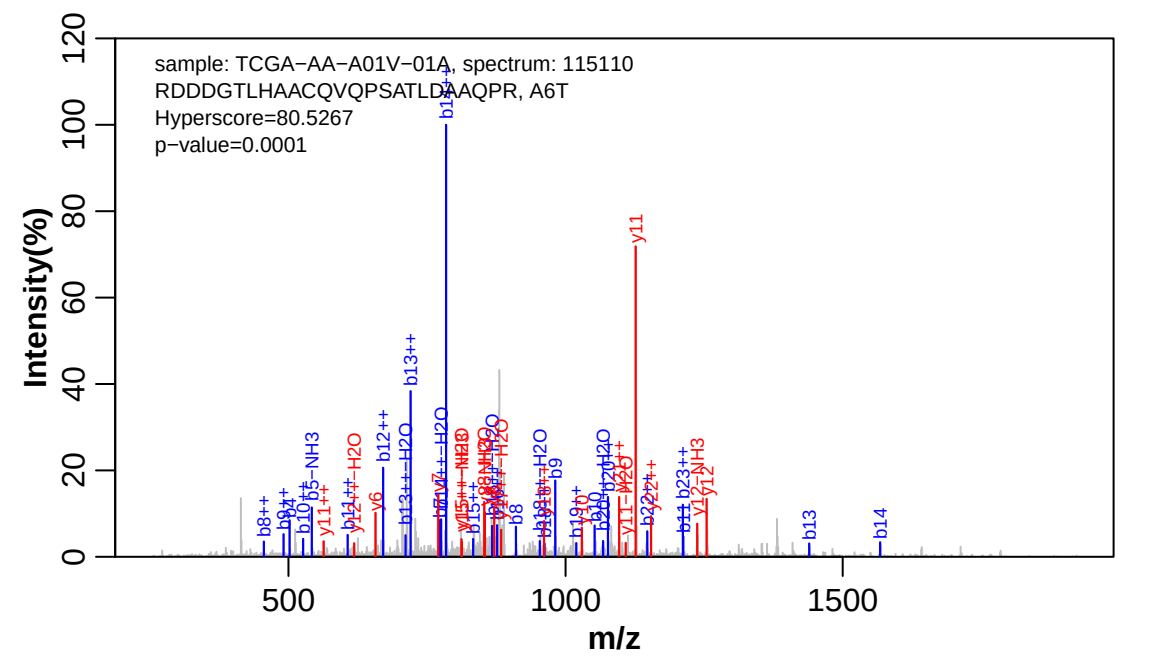

sample: TCGA−AA−A01V−01A, spectrum: 16331
MQYAPNTQVELLPQGR, H16R
Hyperscore=60.3428
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4++
y3
b7++
b3
y4−NH3
b9++
b4
y5−NH3
b5
b11++
b12++
y8
b8
b9
b10
b11
b12

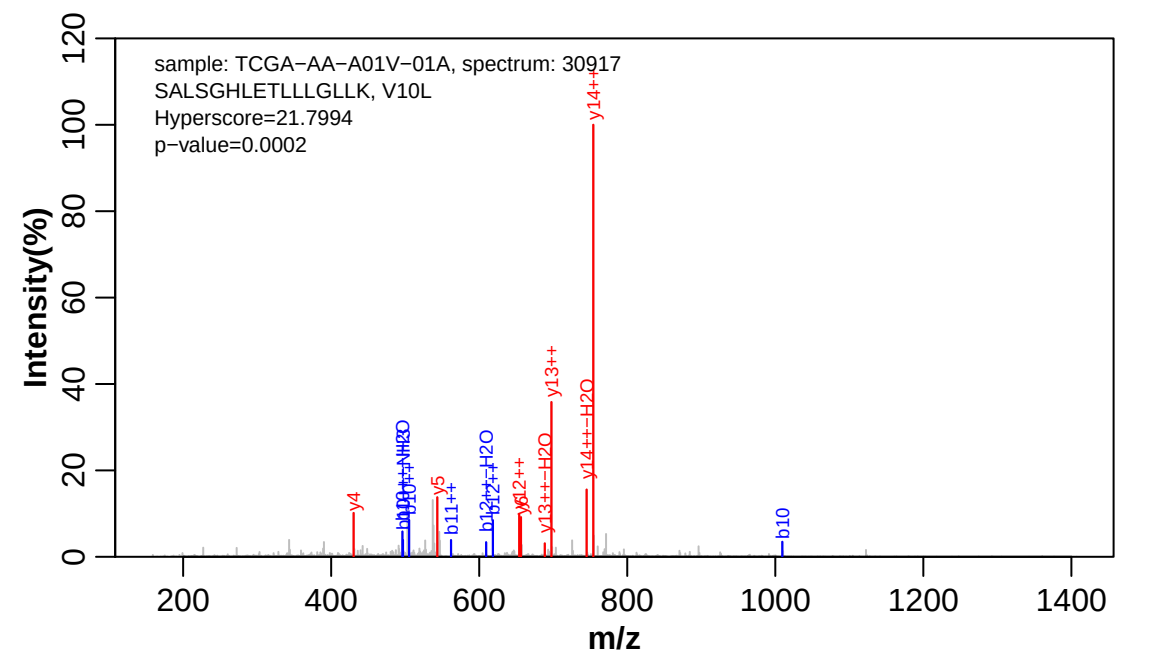

sample: TCGA−AA−A01V−01A, spectrum: 35472
MVAVGLCR, H8R
Hyperscore=27.5955
p−value=0.0012
Intensity(%)
m/z
y1
b2
b3
y2
b4
y3
y4
y5
y6
b5
b6
b7
y7

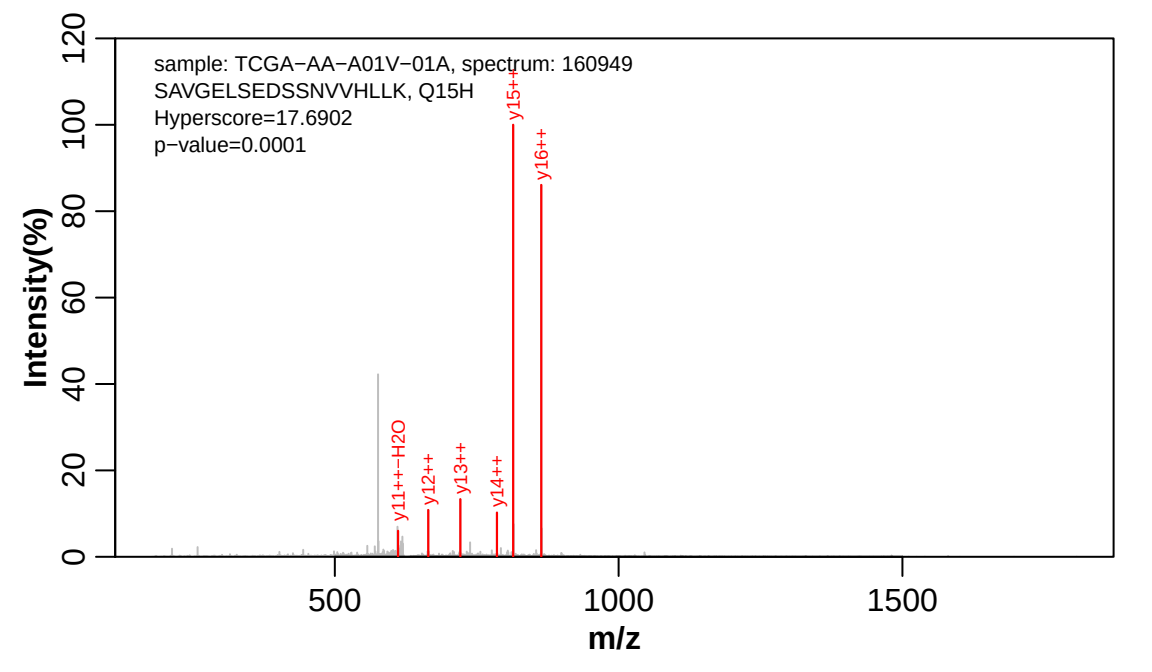

sample: TCGA−AA−A01V−01A, spectrum: 45704
NKSTESLQTNVQR, A9T
Hyperscore=39.8934
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b7−NH3
y8
y11
y10
y9
y5
y4
b11
b12
b10
b9
b8−NH3
b7
y3
b4
b3
b2
y2−H2O

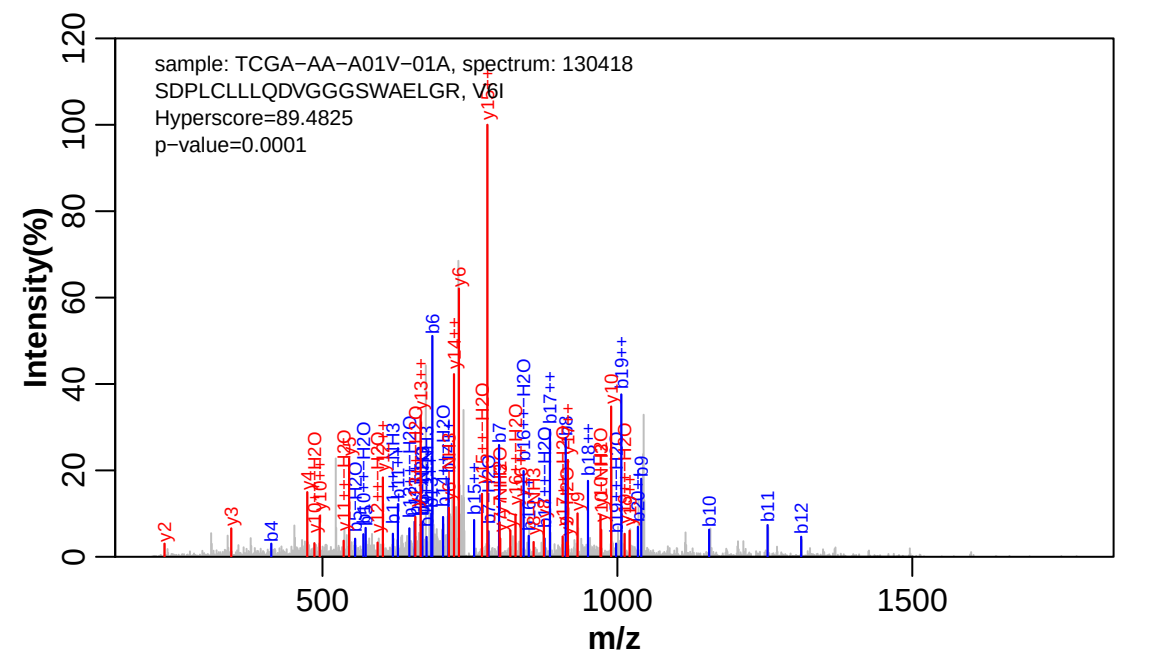

sample: TCGA−AA−A01V−01A, spectrum: 107690
QSAYCPYSHFPVGAALLTQEGR, K1Q
Hyperscore=46.2156
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

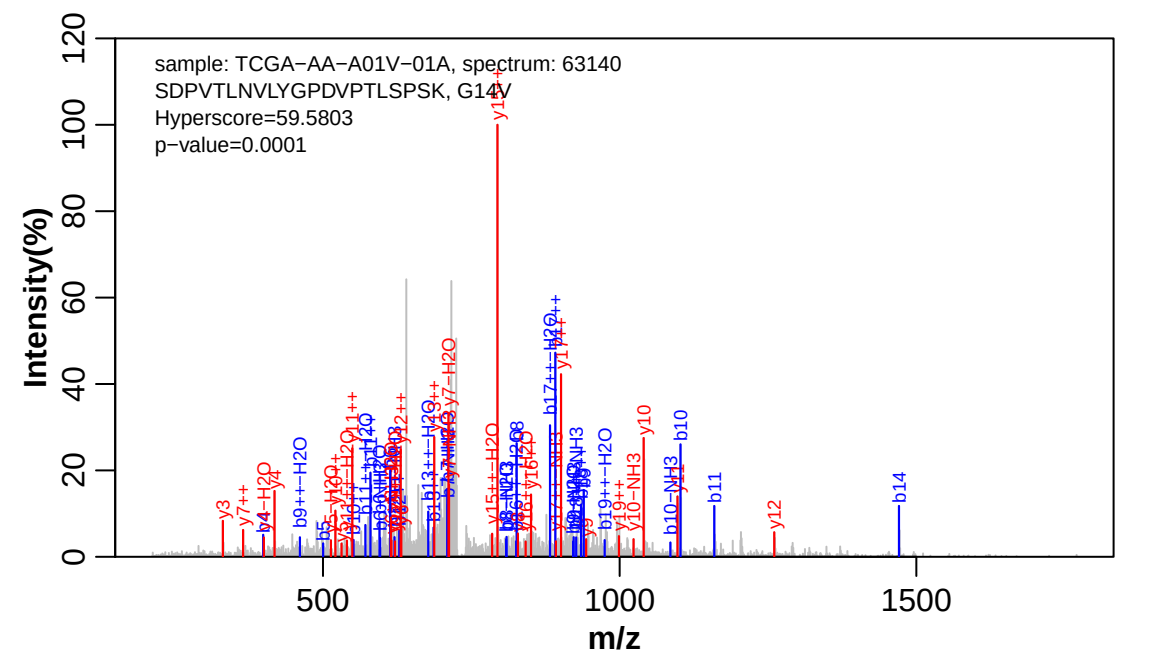

sample: TCGA−AA−A01V−01A, spectrum: 37619
QVGDFHQVLLR, A2V
Hyperscore=17.0834
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2−NH3
b6++−H2O
y7++
y9++
y9++−H2O
y5−NH3
y5
y4
y8++
b7++−H2O
b7++−NH3
b8++−NH3
b8++−H2O

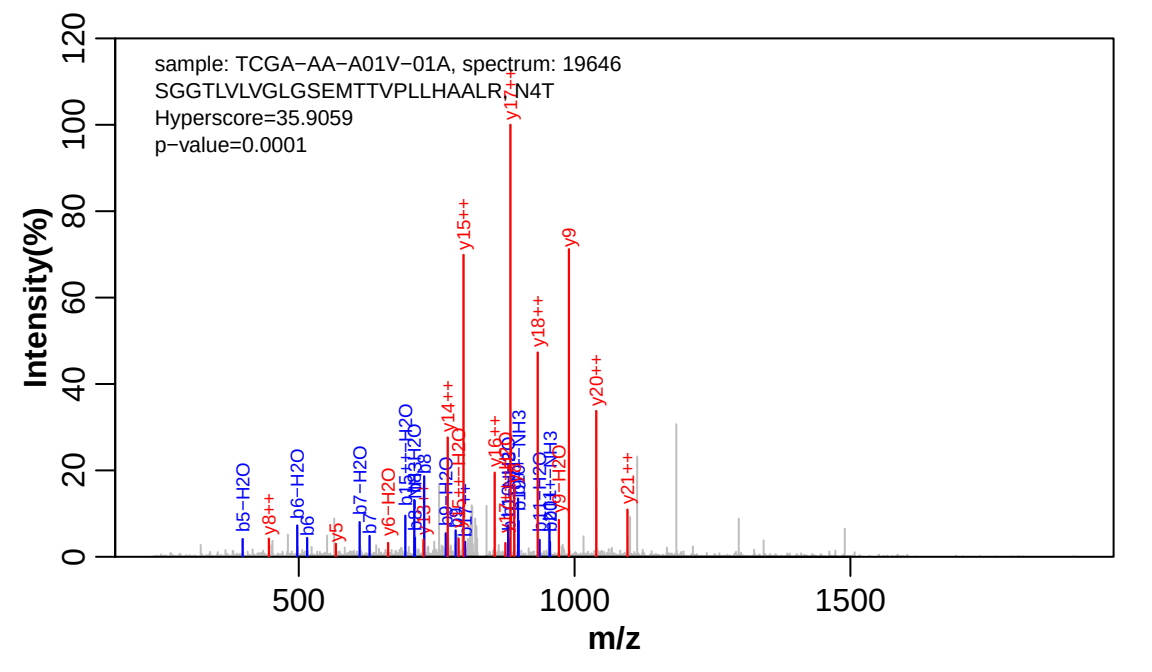

sample: TCGA−AA−A01V−01A, spectrum: 115110
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=80.5267
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b14++
b8++
b9++
b10++
b5−NH3
y11++
b11++−H2O
y6
b12++
b13++−H2O
b13++
b14
b13
y11
y12−NH3
b11 b23++

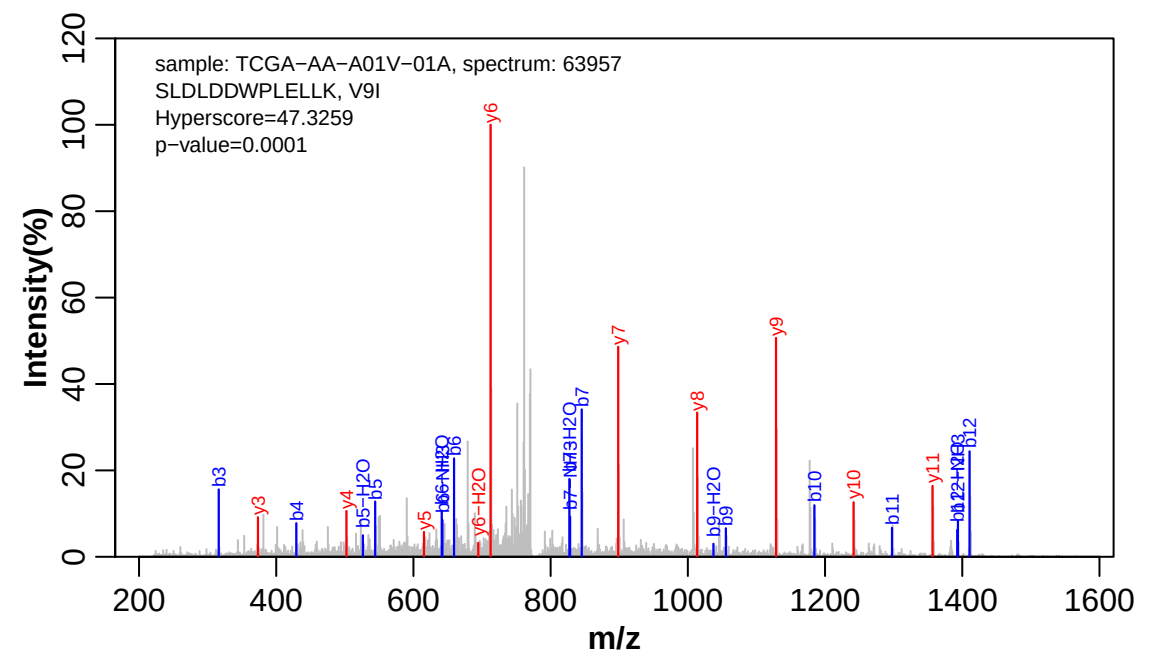

sample: TCGA−AA−A01V−01A, spectrum: 30917
SALSGHLETLLLGLLK, V10L
Hyperscore=21.7994
p−value=0.0002
Intensity(%)
m/z
y14++
y13++
y14++−H2O
y13++−H2O
y12++
y5
y4
b11++
b12++−H2O
b10

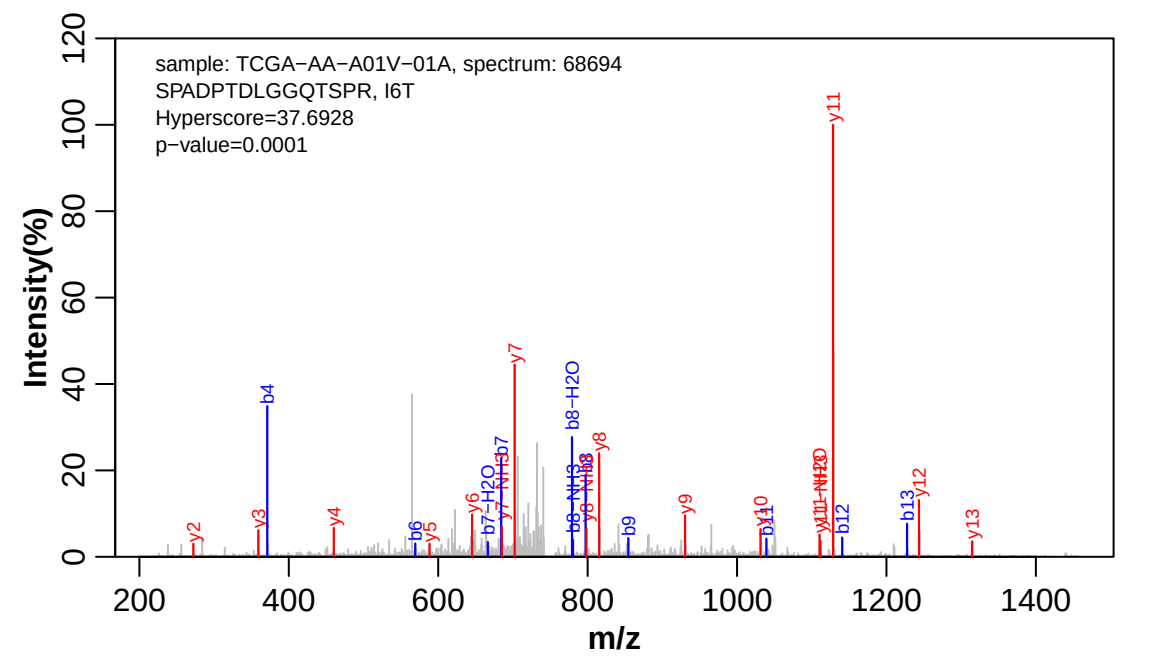

sample: TCGA−AA−A01V−01A, spectrum: 160949
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.6902
p−value=0.0001
y15++
y16++
y11++−H2O
y12++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

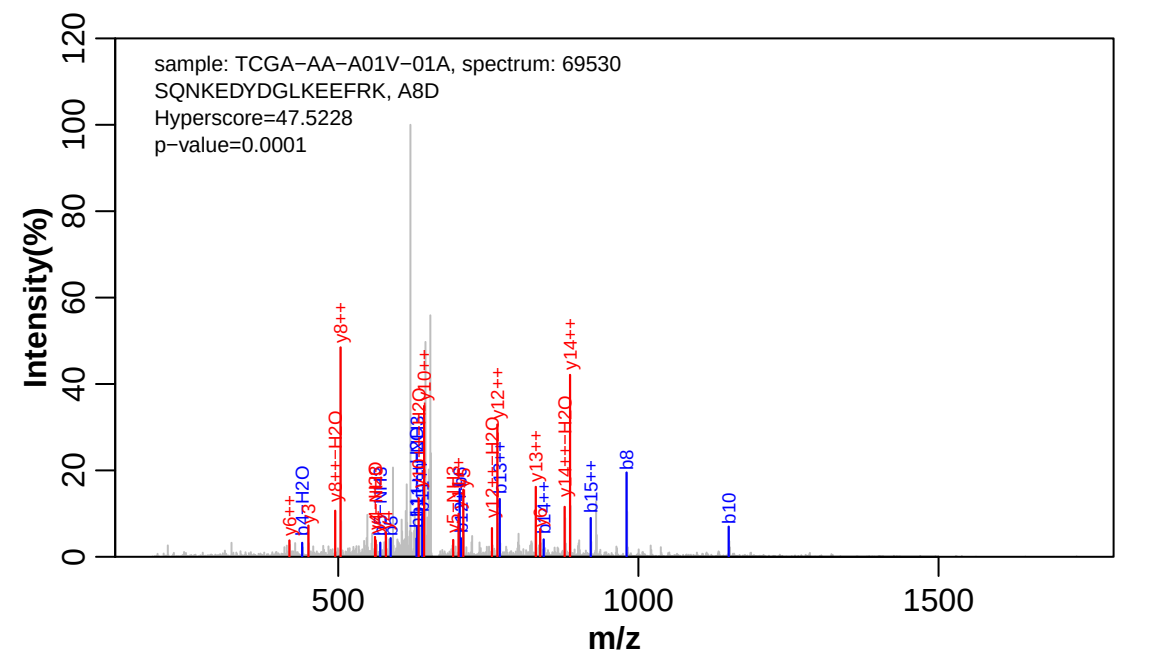

sample: TCGA−AA−A01V−01A, spectrum: 130418
SDPLCLLLQDVGGGSWAELGR, V6I
Hyperscore=89.4825
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16++
y6+
b6
y14++
y2
y3
b4
b10
b11
b12
b19++
b17++−H2O
y10
b18++
y8++
b15++
b7
y13++
y12++
y11++−H2O
y4
y10++−H2O
b9

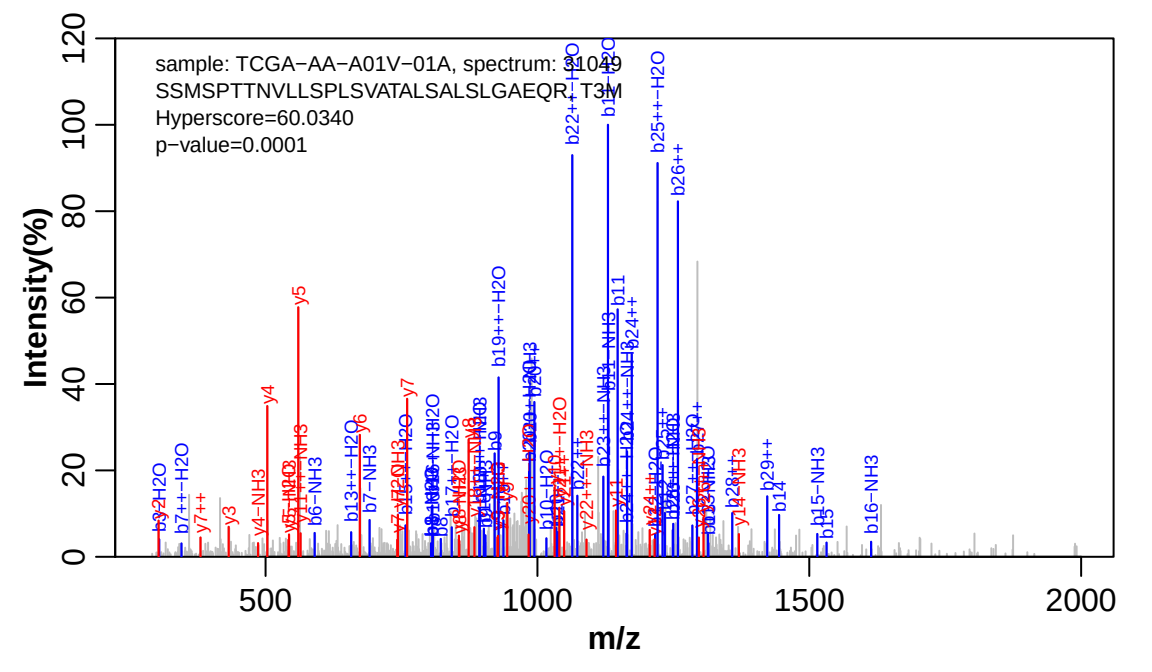

sample: TCGA−AA−A01V−01A, spectrum: 63140
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=59.5803
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y15++
y3
y7++
y4
b4−H2O
b9++−H2O
b5
y7−H2O
y11++
y12++
y15++−H2O
b13++−H2O
y7−NH3
y16++
b17++−H2O
y14++
b19++−H2O
y10−NH3
y10
b10
b10−NH3
b11
y12
b14

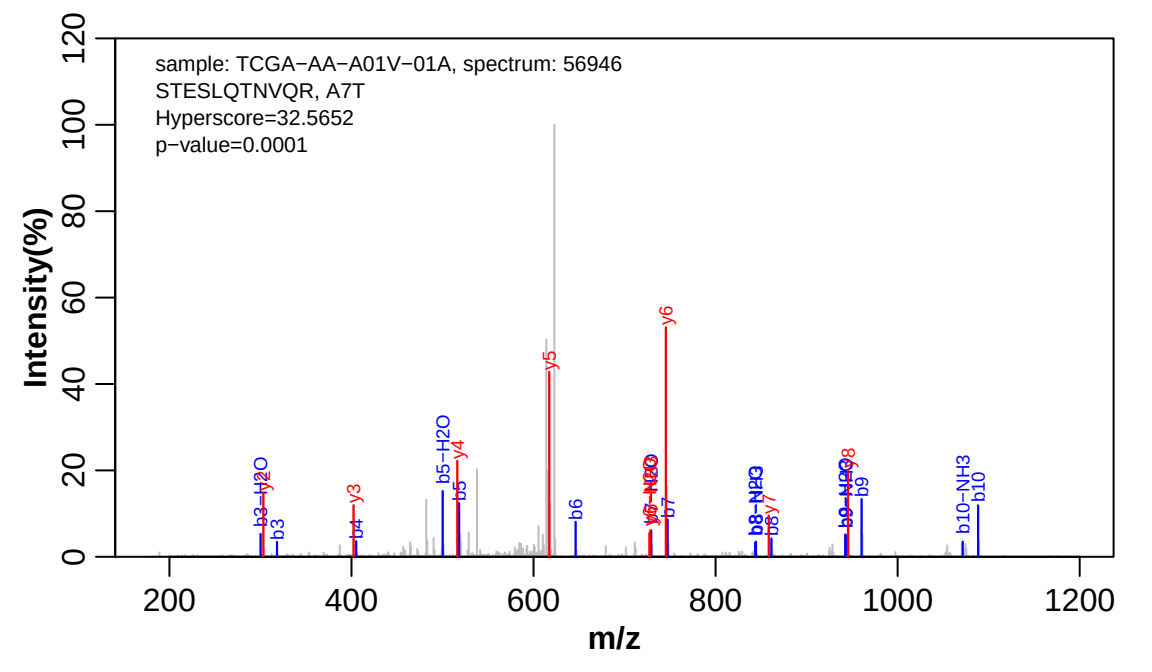

sample: TCGA−AA−A01V−01A, spectrum: 19646
SGGTLVLVGLGSEMTTVPLLHAALRLN4T
Hyperscore=35.9059
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y15++
y9
y18++
y20++
y21++
y14++
y16++
b5−H2O
y8++
b6−H2O
b6
y5
b7−H2O
b7
y6−H2O

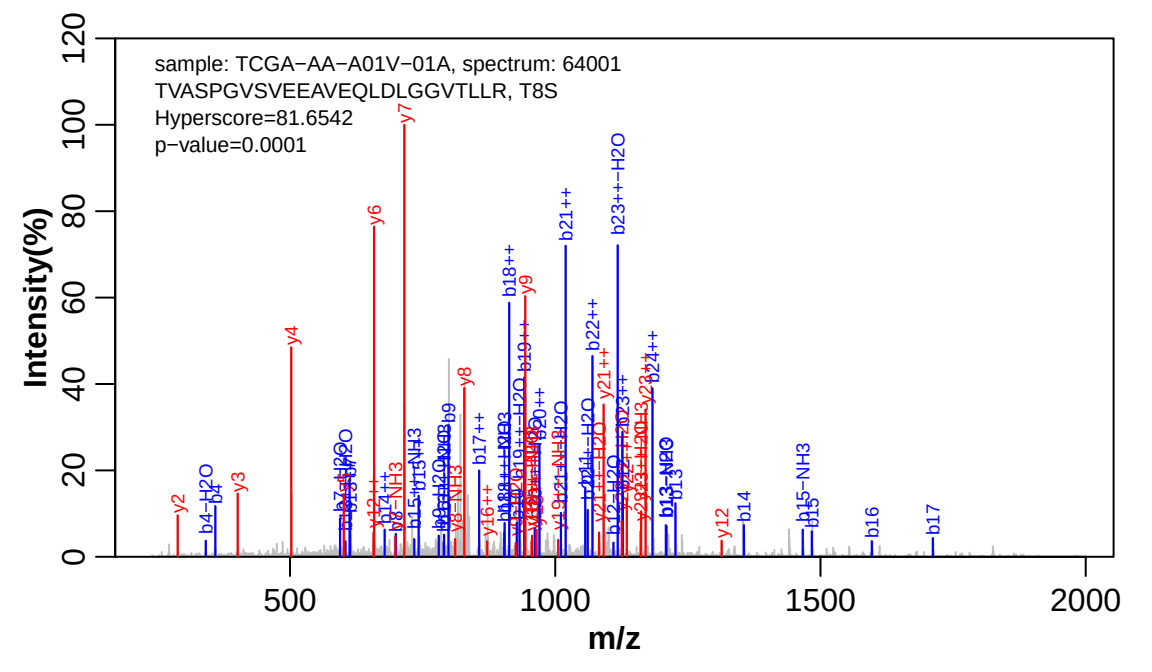

sample: TCGA−AA−A01V−01A, spectrum: 63957
SLDLDDWPLELLK, V9I
Hyperscore=47.3259
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y9
y8
b7
b3
y3
b4
y4
b5−H2O
b5
y5
b6
y6−H2O
b9−H2O
b9
b10
y10
b11
y11
b12

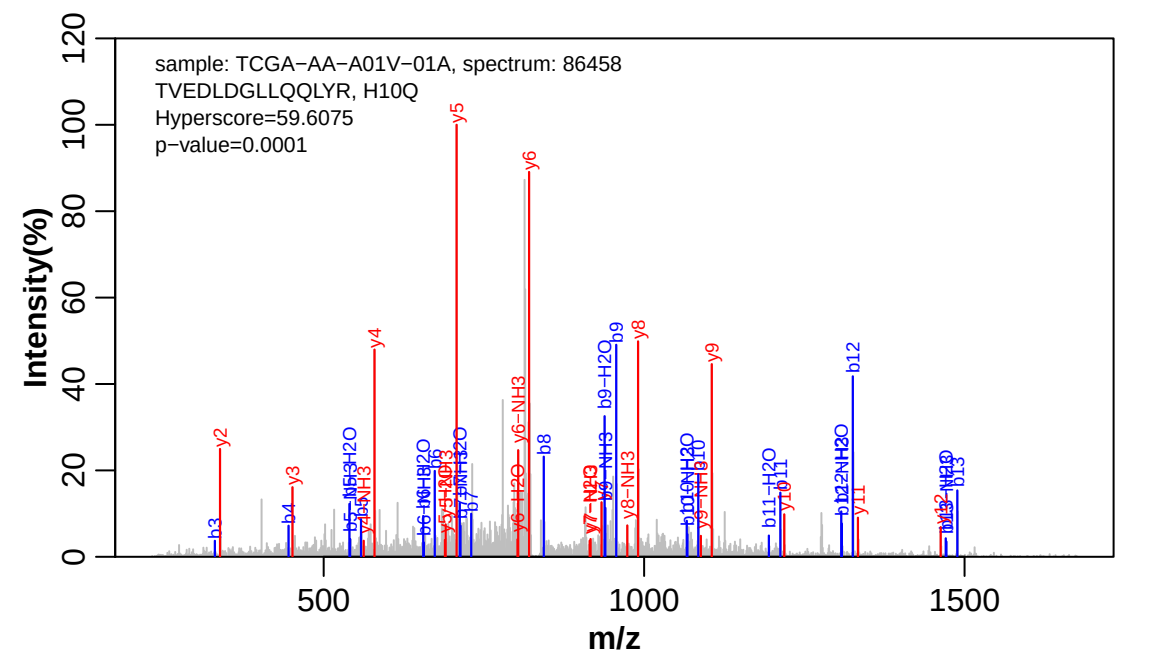

sample: TCGA−AA−A01V−01A, spectrum: 68694
SPADPTDLGGQTSPR, I6T
Hyperscore=37.6928
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
b4
y4
b6
y5
y6
b7−H2O
y7−NH3
y7
b8−H2O
b8−NH3
y8−NH3
y8
b9
y9
b10
y10
b11
y11−NH3
y11−H2O
y11
b12
b13
y12
y13

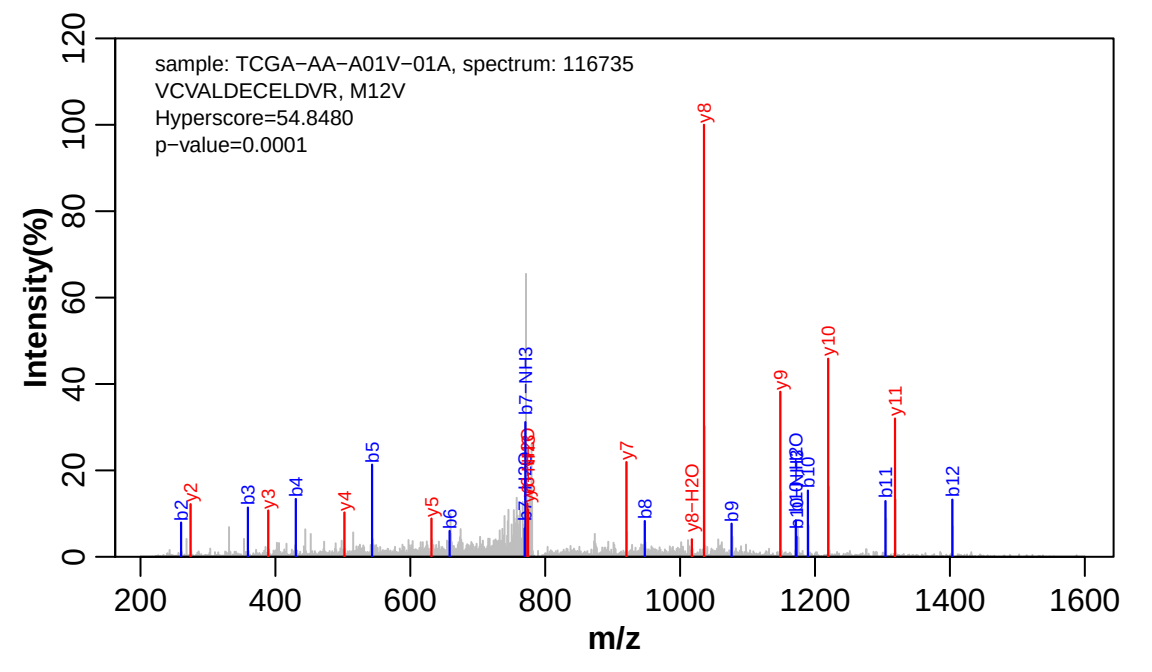

sample: TCGA−AA−A01V−01A, spectrum: 69530
SQNKEDYDGLKEEFRK, A8D
Hyperscore=47.5228
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y8++
y8++−H2O
y6++
b4
y3
H2O
y10++
y12++
y12++−H2O
y13++
y14++
y14++−H2O
b15++
b8
b10

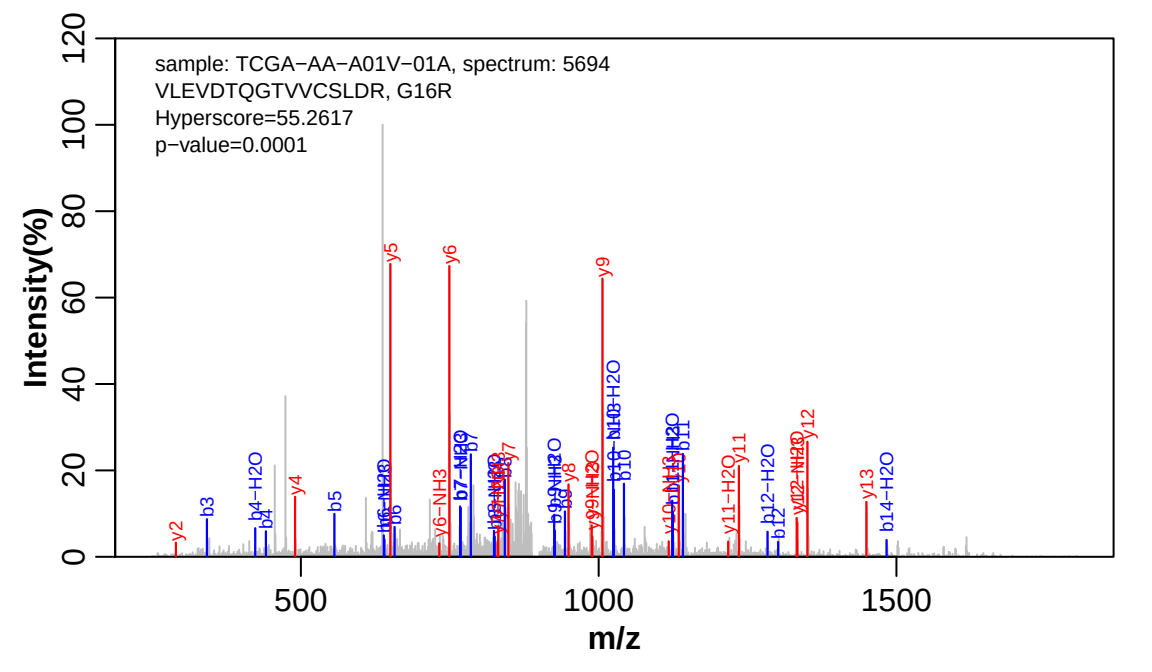

sample: TCGA−AA−A01V−01A, spectrum: 31049
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=60.0340
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

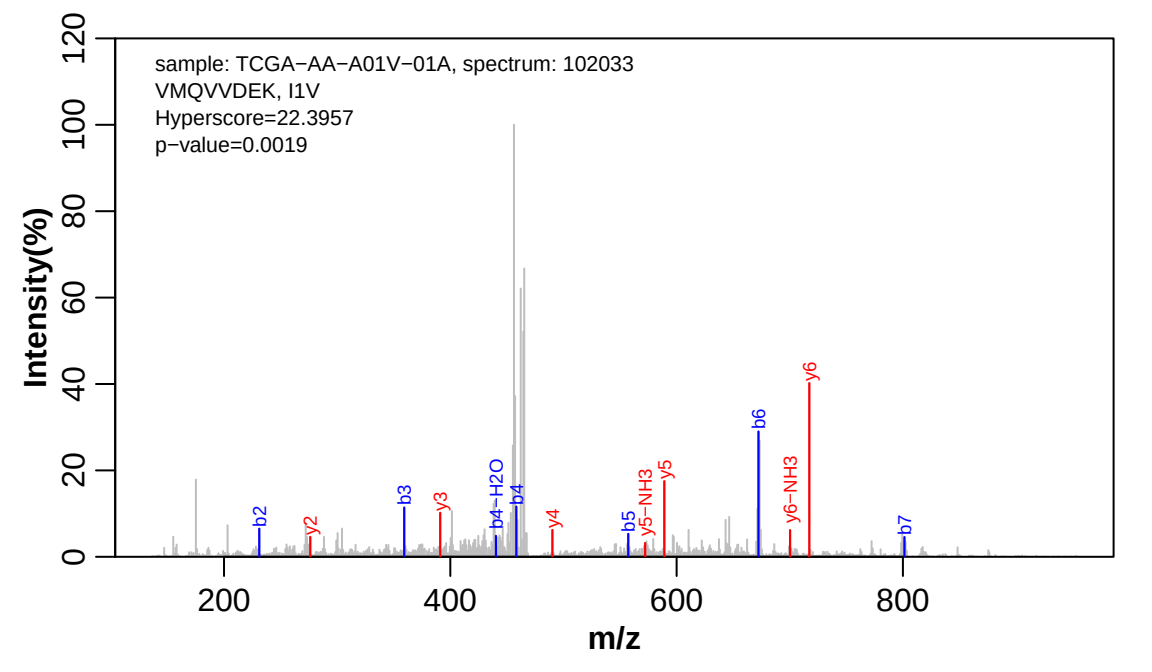

sample: TCGA−AA−A01V−01A, spectrum: 56946
STESLQTNVQR, A7T
Hyperscore=32.5652
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
y3
b4
b5−H2O
y4
b5
y5
b6
y6
b7
b8−NH3
b8
y7
y8
b9
b10−NH3
b10

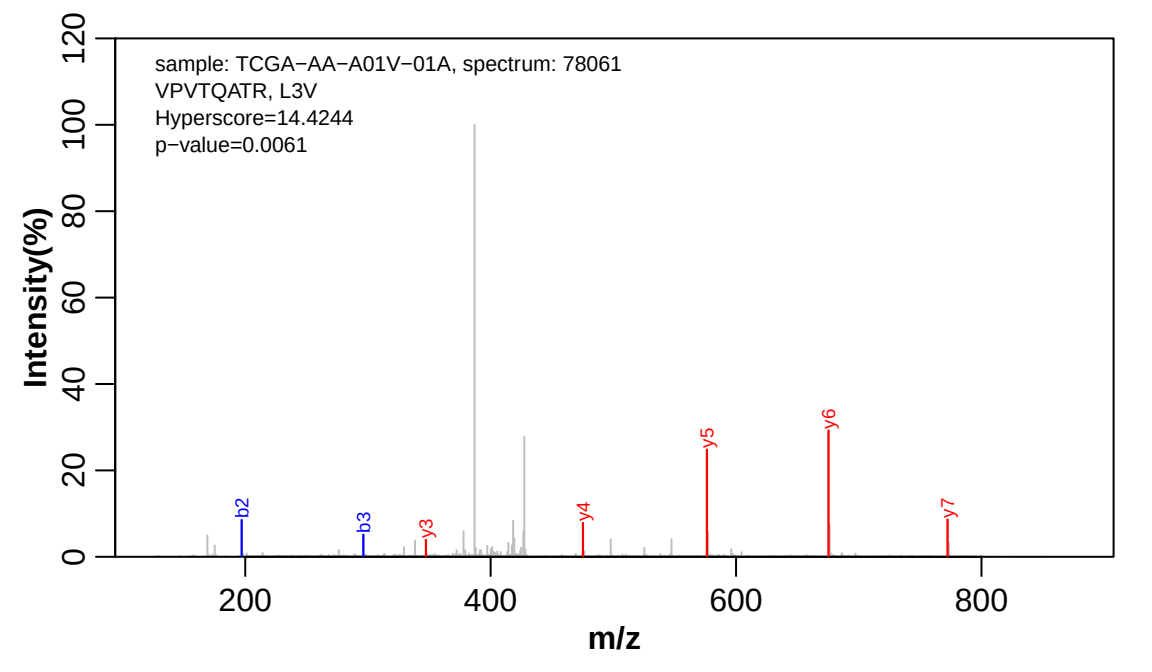

sample: TCGA−AA−A01V−01A, spectrum: 64001
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=81.6542
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y7
y6
y4
y3
y2
y8
y9
y12
y12++
y16++
y21++
b21++
b23++−H2O
b18++
b22++
b24++
b14
b15−NH3
b16
b17
b17++

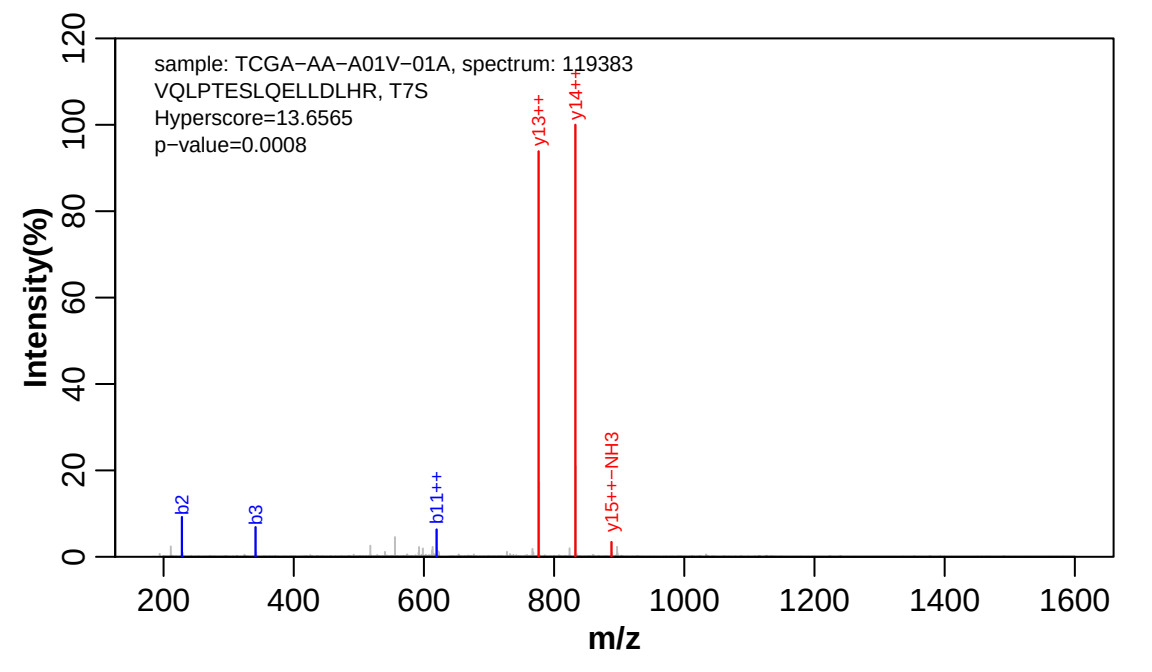

sample: TCGA−AA−A01V−01A, spectrum: 86458
TVEDLDGLLQQLYR, H10Q
Hyperscore=59.6075
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
y6
y4
y2
y3
b4
b3
b8
b9
y8
y9
b12
y6−H2O
y6−NH3
b9−H2O
b9−NH3
y8−NH3
b11−H2O
y11
b13

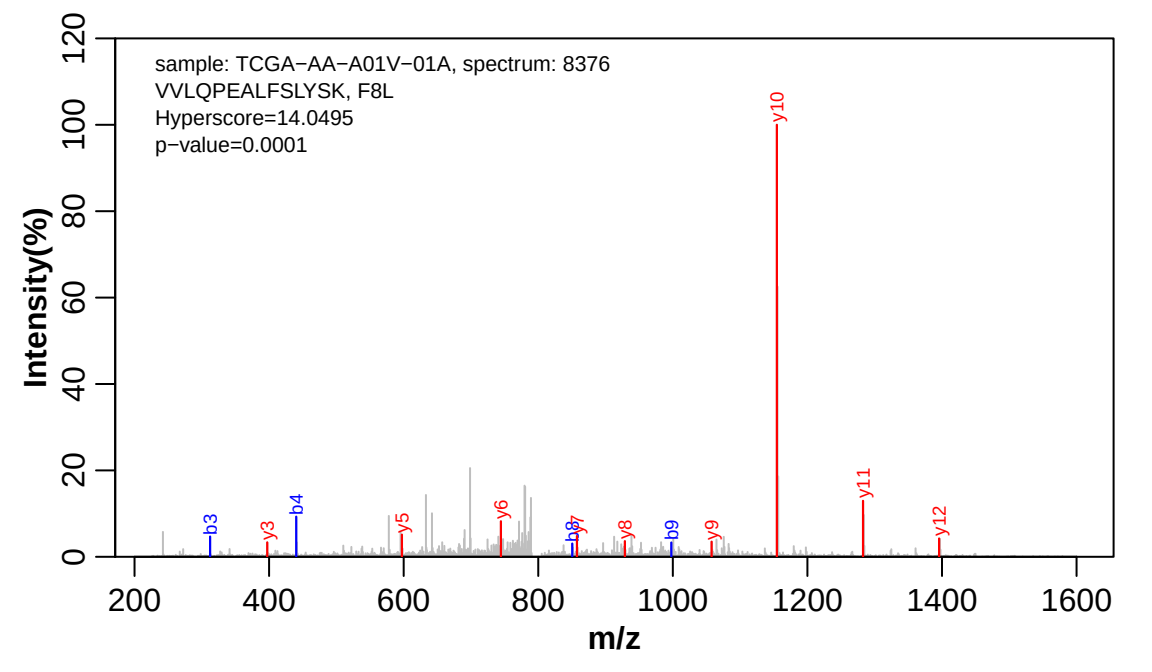

sample: TCGA−AA−A01V−01A, spectrum: 116735
VCVALDECELDVR, M12V
Hyperscore=54.8480
p−value=0.0001
Intensity(%)
m/z
y8
y7
y10
y9
y11
b12
b11
b10
b9
b8
b7−NH3
b5
y5
b6
y4
b4
b3
y3
b2
y2
y8−H2O

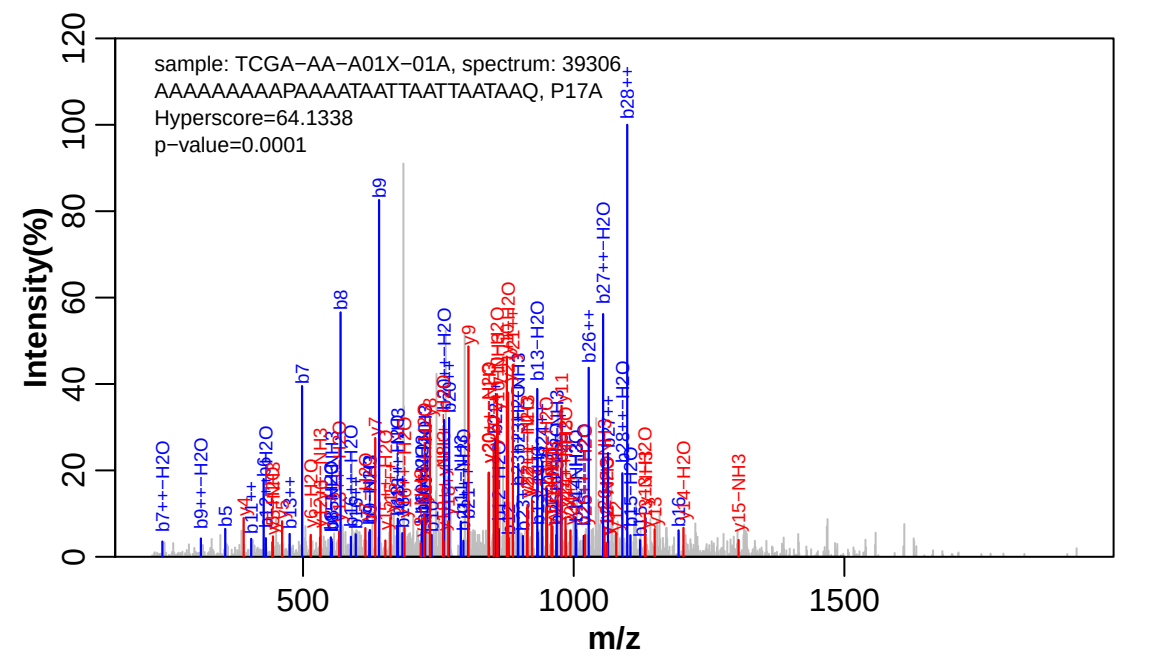

sample: TCGA−AA−A01V−01A, spectrum: 5694
VLEVDTQGTVVCSLDR, G16R
Hyperscore=55.2617
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b3
b4−H2O
b4
y4
b5
y5
y6
y6−NH3
b7−H2O
b7
y9
b10−H2O
b10
y8
y9−H2O
y11
y11−H2O
b12−H2O
b12
y12
y12−NH3
y13
b14−H2O

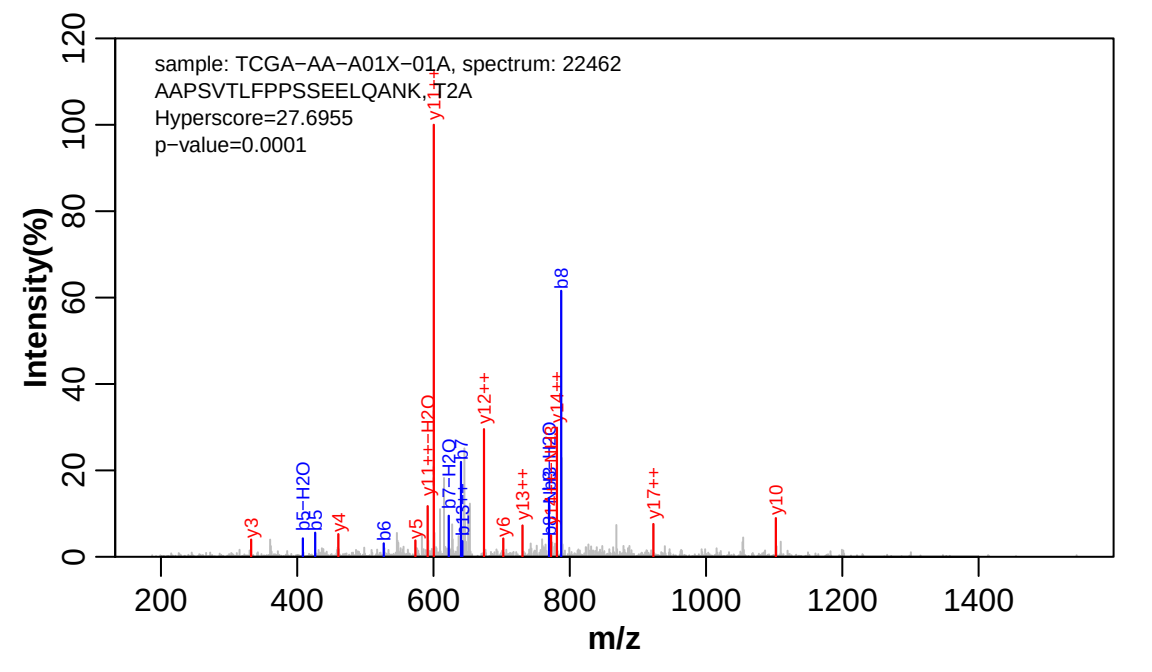

sample: TCGA−AA−A01V−01A, spectrum: 102033
VMQVVDEK, I1V
Hyperscore=22.3957
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2
b3
y3
b4−H2O
b4
y4
b5
y5−NH3
y5
b6
y6−NH3
y6
b7

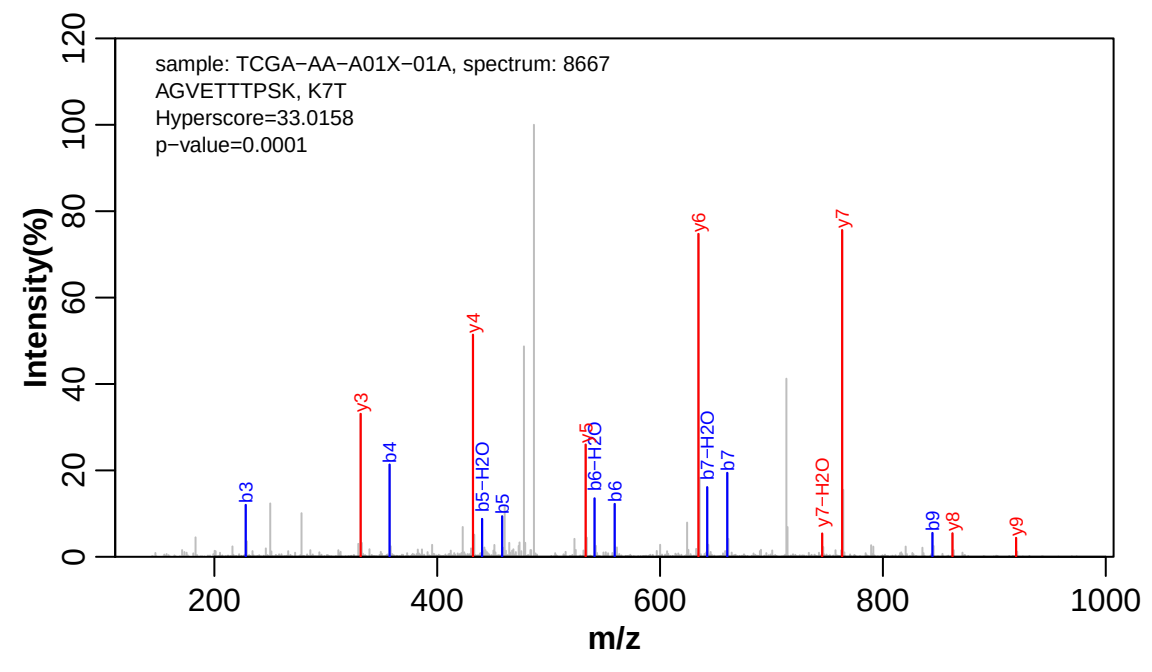

sample: TCGA−AA−A01V−01A, spectrum: 78061
VPVTQATR, L3V
Hyperscore=14.4244
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3
y4
y5
y6
y7

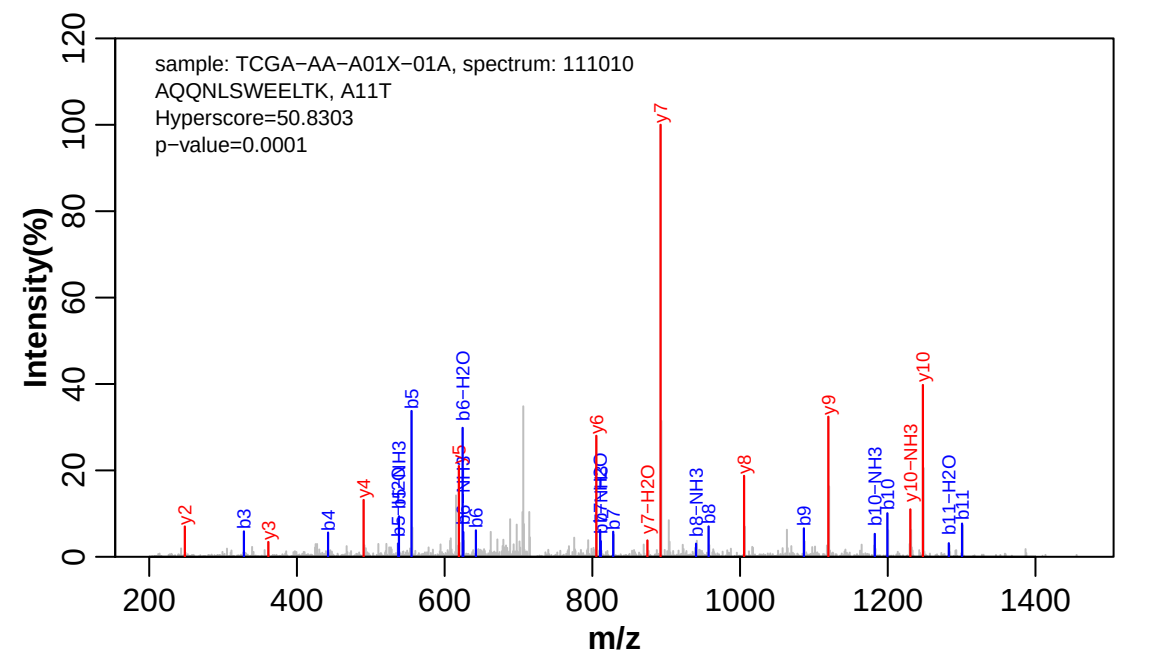

sample: TCGA−AA−A01V−01A, spectrum: 119383
VQLPTESLQELLDLHR, T7S
Hyperscore=13.6565
p−value=0.0008
y13++
y14++
b2
b3
b11++
y15++−NH3
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

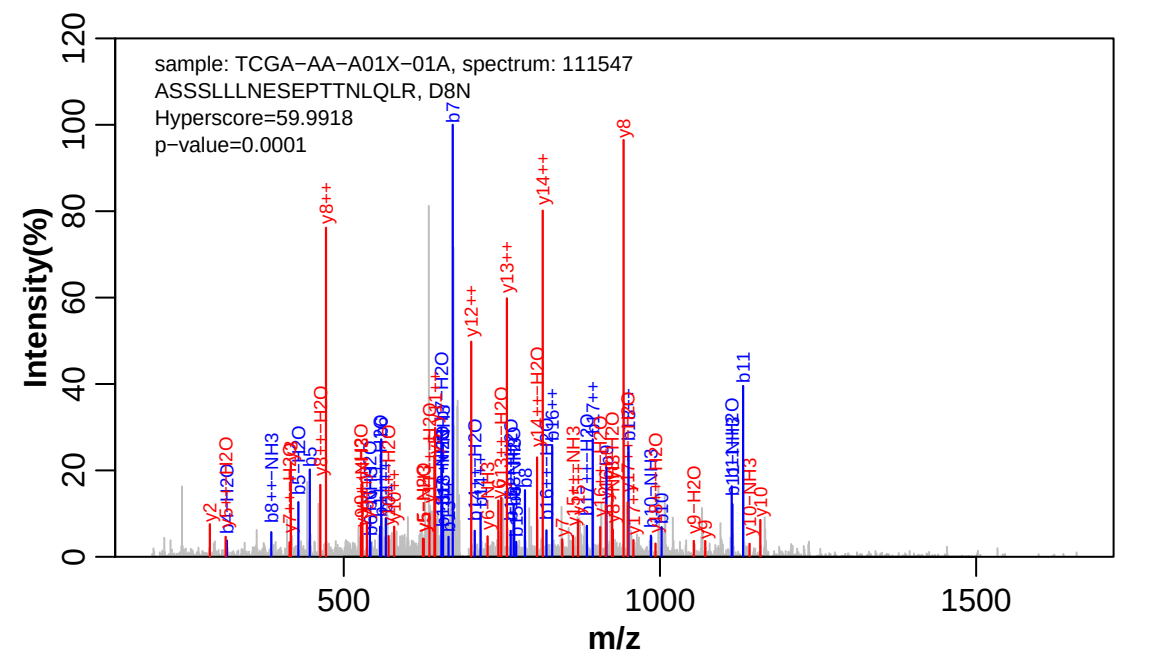

sample: TCGA−AA−A01V−01A, spectrum: 8376
VVLQPEALFSLYSK, F8L
Hyperscore=14.0495
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b4
y5
y6
b8
y7
y8
b9
y9
y10
y11
y12

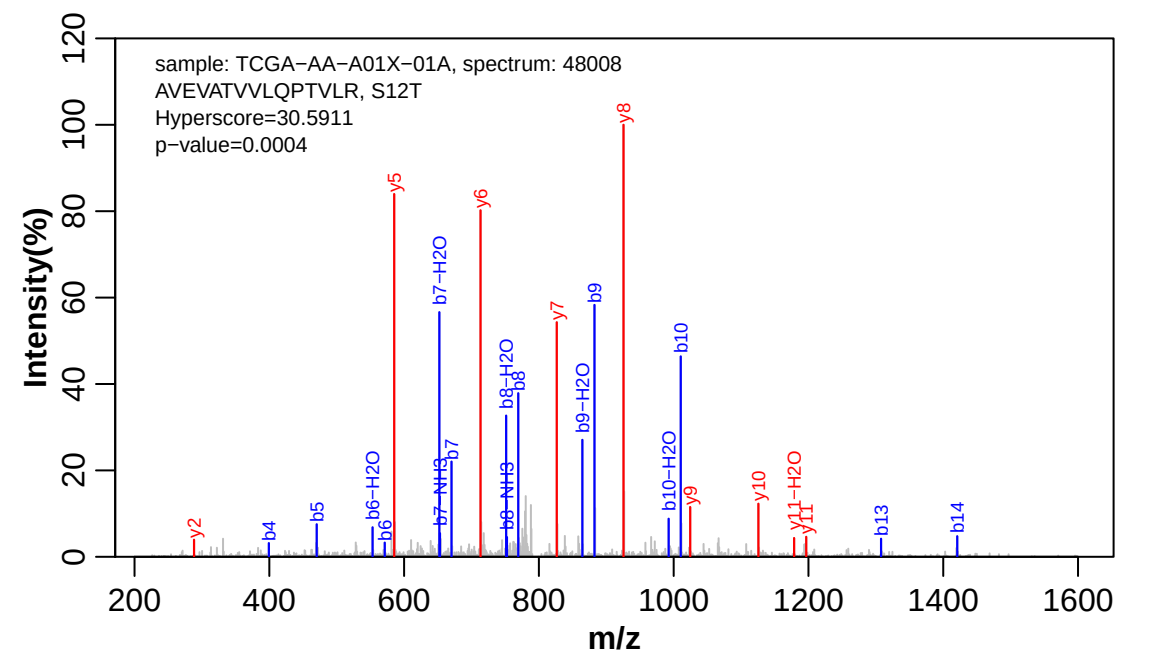

sample: TCGA−AA−A01X−01A, spectrum: 39306
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=64.1338
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b7++−H2O
b9++−H2O
b5
b6++−H2O
b13++
b7
b8
b9
b28++
b27++−H2O
b26++
b13−H2O
y9
y11
y15−NH3
y14−H2O

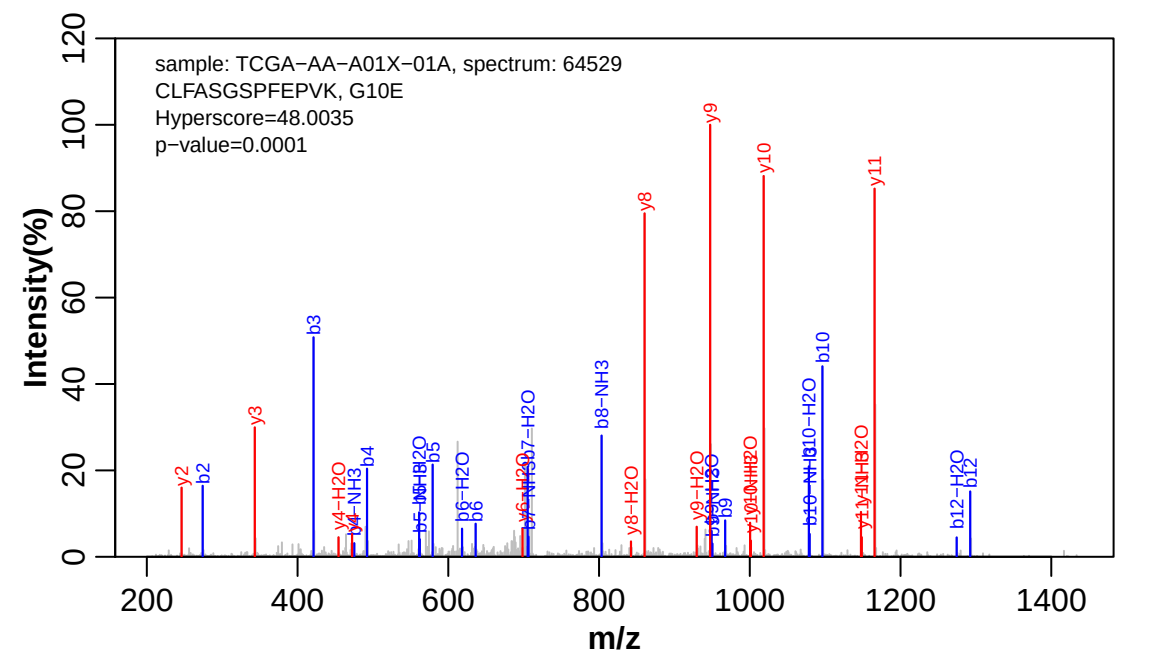

sample: TCGA−AA−A01X−01A, spectrum: 22462
AAPSVTLFPPSSEELQANK, +2A
Hyperscore=27.6955
p−value=0.0001
Intensity(%)
m/z
y11++
y12++
y14++
b8
y17++
y10
y13++
y6
y5
y4
y3
b6
b5
b5−H2O
b7
b7−H2O
y11++−H2O
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

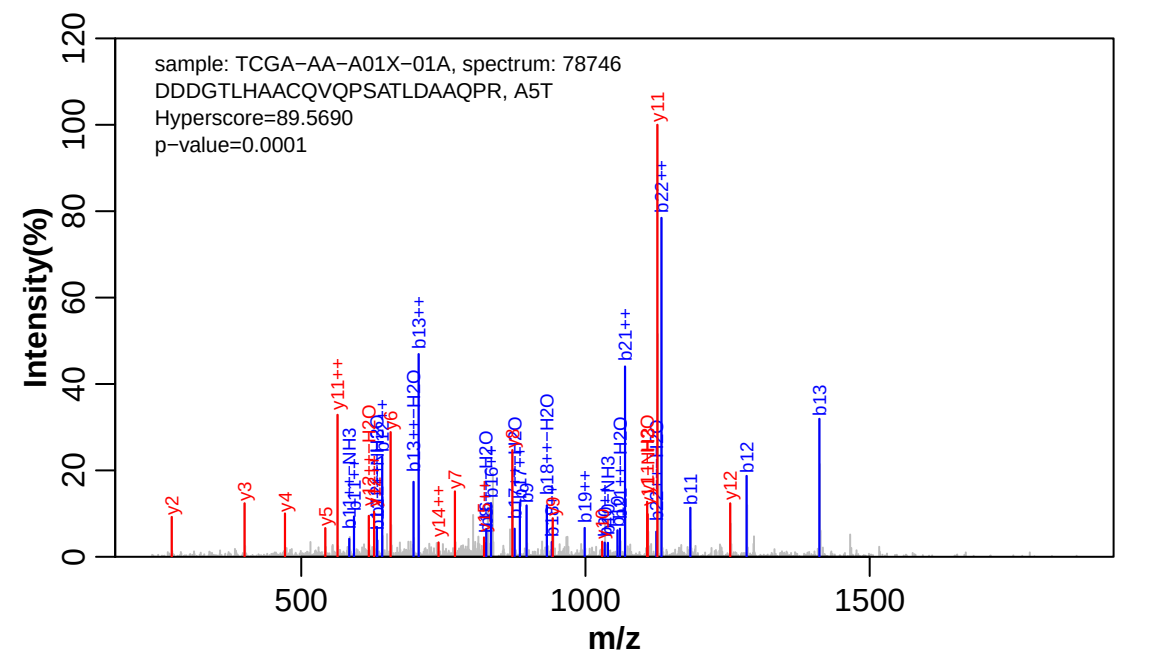

sample: TCGA−AA−A01X−01A, spectrum: 8667
AGVETTTPSK, K7T
Hyperscore=33.0158
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y7−H2O
b9
y8
y9

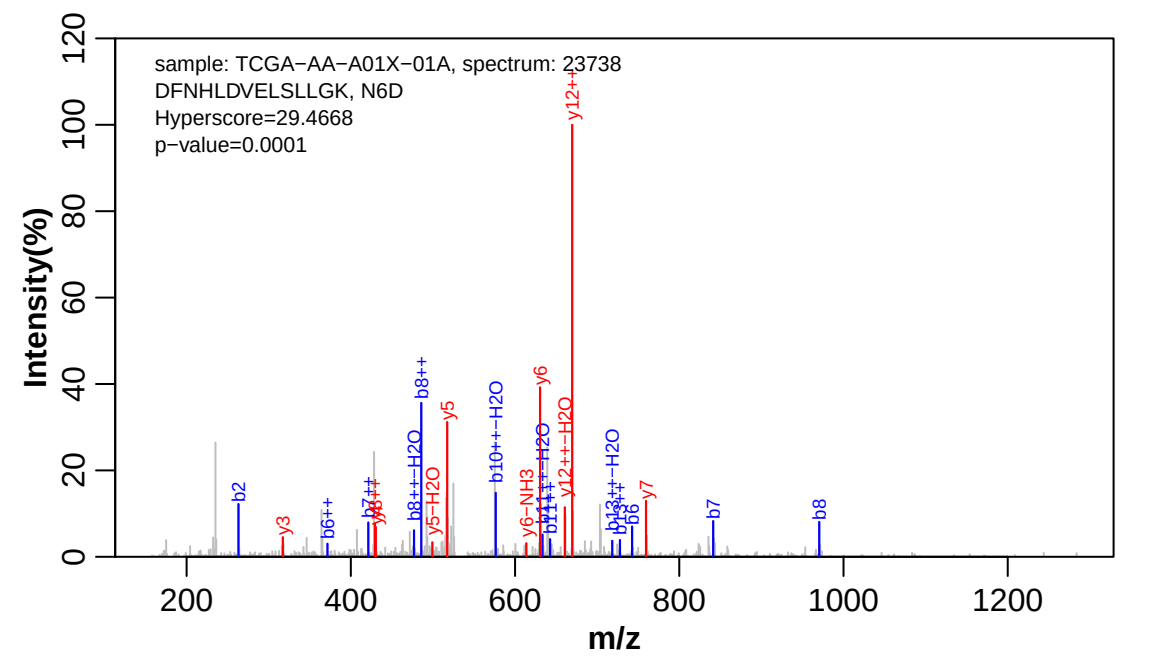

sample: TCGA−AA−A01X−01A, spectrum: 111010
AQQNLSWEELTK, A11T
Hyperscore=50.8303
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
y4
b5
b6−H2O
b6
y6
y7
y7−H2O
b7
b8−NH3
b8
y8
b9
y9
b10−NH3
b10
y10−NH3
y10
b11−H2O
b11

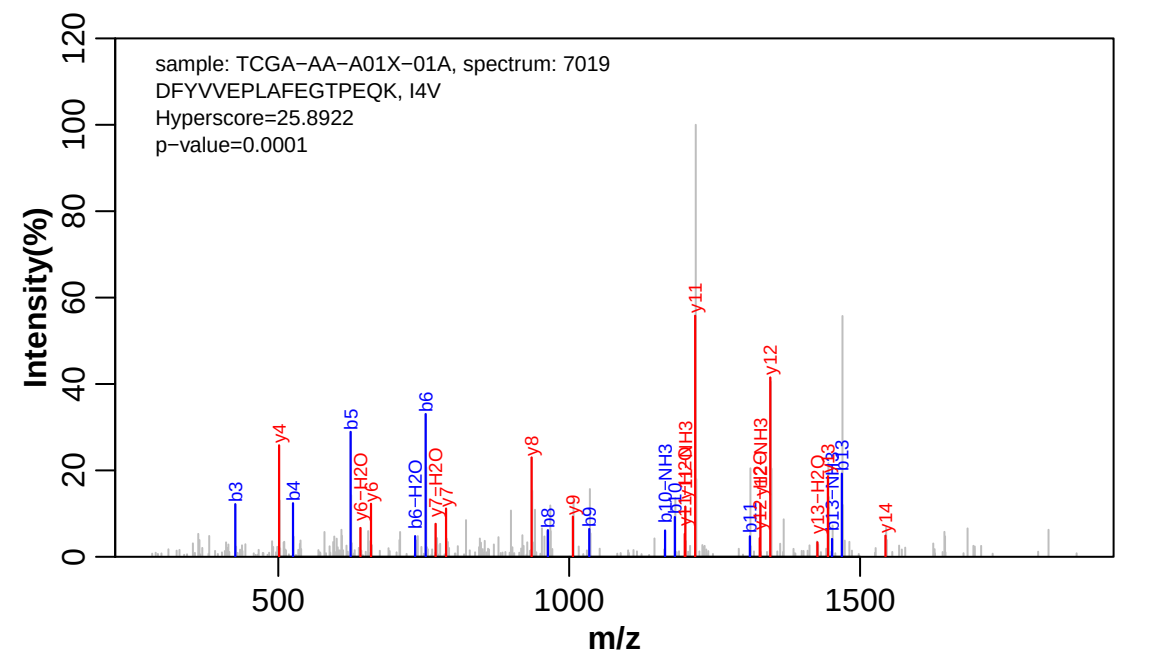

sample: TCGA−AA−A01X−01A, spectrum: 111547
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=59.9918
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b7
y8
y8++
y14++
y12++
y13++
b11
y2
b5−H2O
b8++−NH3
b5−NH3
y7++−H2O
b5
y5++−H2O
y10−NH3
y9−H2O
y10
y10−H2O
y15++−NH3

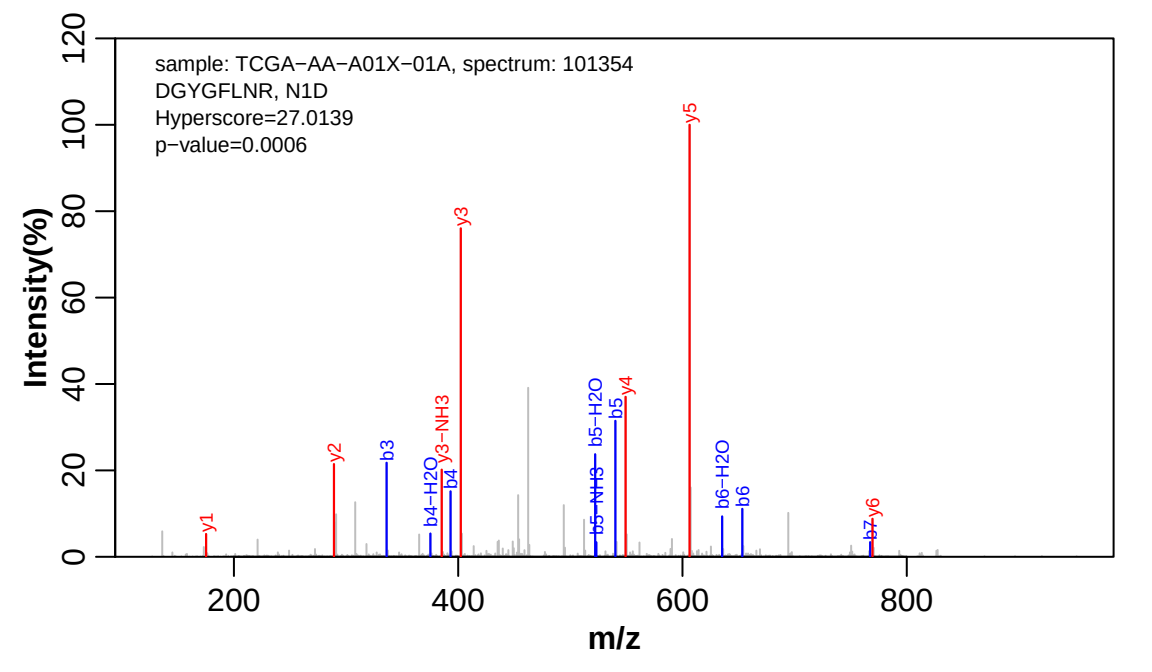

sample: TCGA−AA−A01X−01A, spectrum: 48008
AVEVATVVLQPTVLR, S12T
Hyperscore=30.5911
p−value=0.0004
Intensity(%)
m/z
y8
y5
y6
y7
b9
b10
b7−H2O
b8−H2O
b8
b9−H2O
b10−H2O
y9
y10
y11−H2O
y11
b13
b14
b6−H2O
b7−NH3
b7
b8−NH3
b6
b5
b4
y2

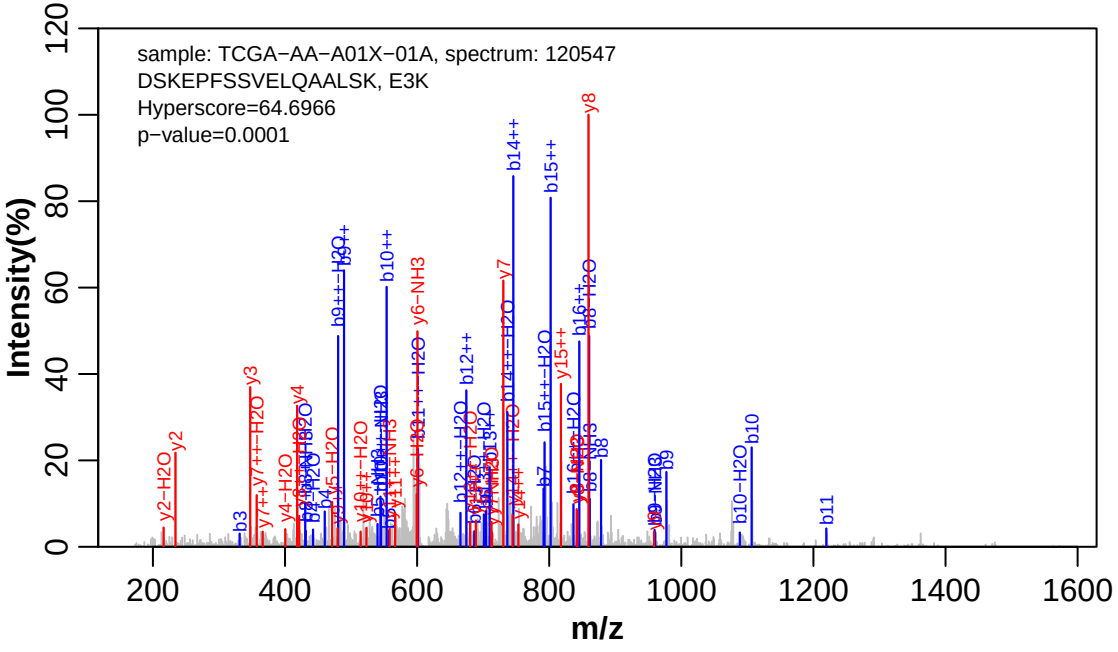

sample: TCGA−AA−A01X−01A, spectrum: 64529
CLFASGSPFEPVK, G10E
Hyperscore=48.0035
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b2
y3
b3
y4−H2O
y4−NH3
b4
b5−H2O
b5
b6−H2O
b6
b7−NH3
b7−H2O
b8−NH3
y8−H2O
y8
y9−H2O
y9−NH3
b9
y9
y10−H2O
y10
b10−NH3
b10−H2O
b10
y11−NH3
y11−H2O
y11
b12−H2O
b12

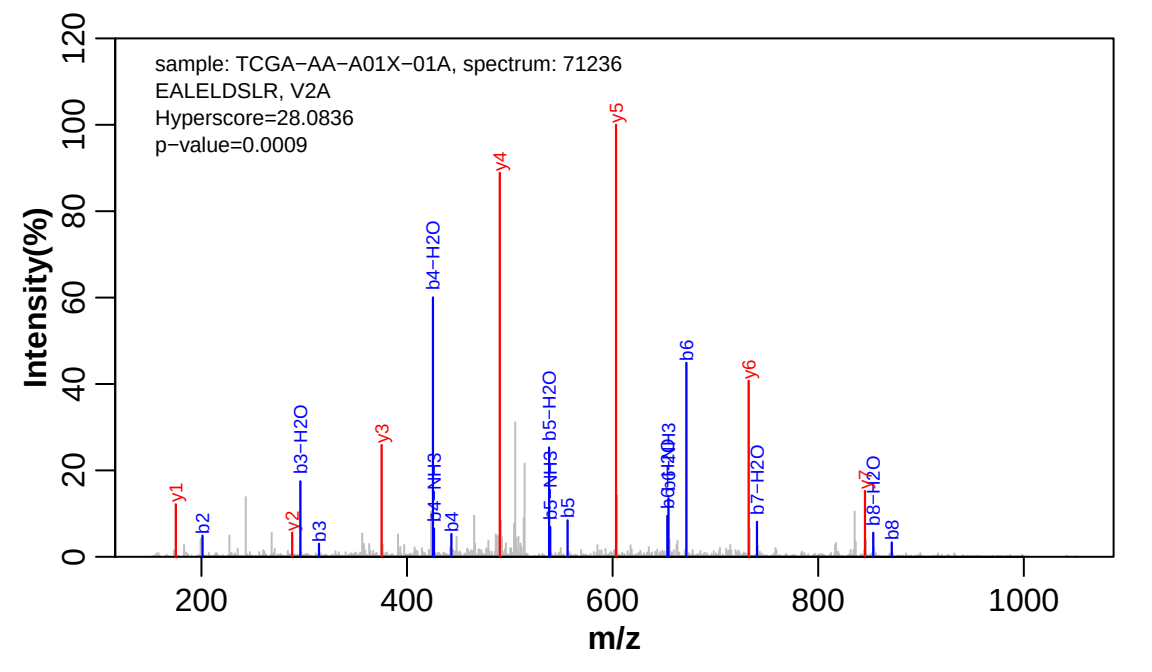

sample: TCGA−AA−A01X−01A, spectrum: 78746
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=89.5690
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
y4
y5
y11++
y14++
y7
b13++
b13++−H2O
b18++−H2O
b19++
b21++
b11
y12
b12
b13
y11
b22++

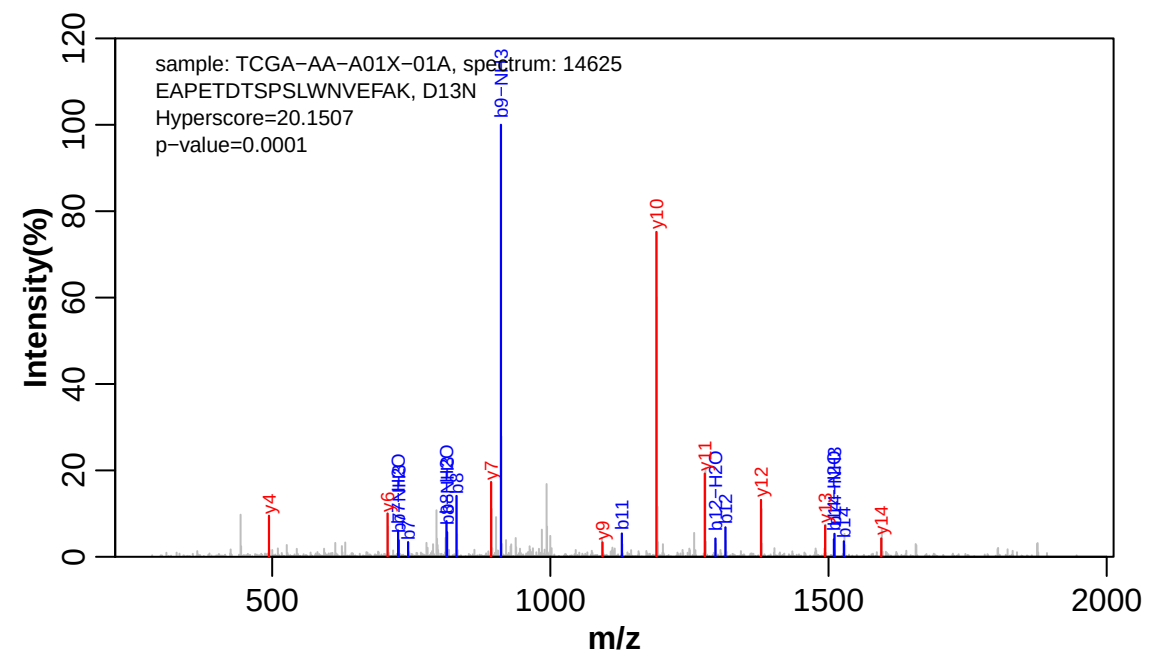

sample: TCGA−AA−A01X−01A, spectrum: 23738
DFNHLDVELSLLGK, N6D
Hyperscore=29.4668
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
b6++
b7++
y8++
b8++−H2O
y5−H2O
b8++
y5
b10++−H2O
y6−NH3
y6
b11++−H2O
y12++−H2O
y12++
b13++−H2O
b6
y7
b7
b8

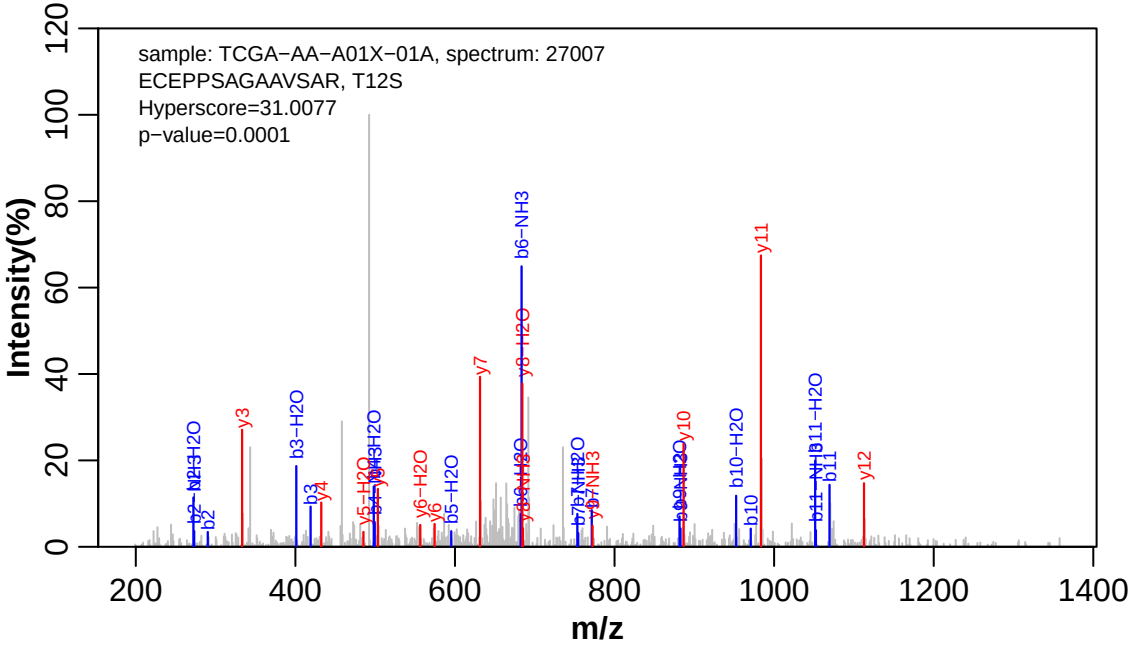

sample: TCGA−AA−A01X−01A, spectrum: 7019
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=25.8922
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
y6−H2O
y6
b6
b6−H2O
y7−H2O
y7
y8
b8
y9
b9
b10−NH3
y11−H2O
y11−NH3
y11
y12
b11
y12−H2O
y12−NH3
y13−H2O
b13−NH3
b13
y14

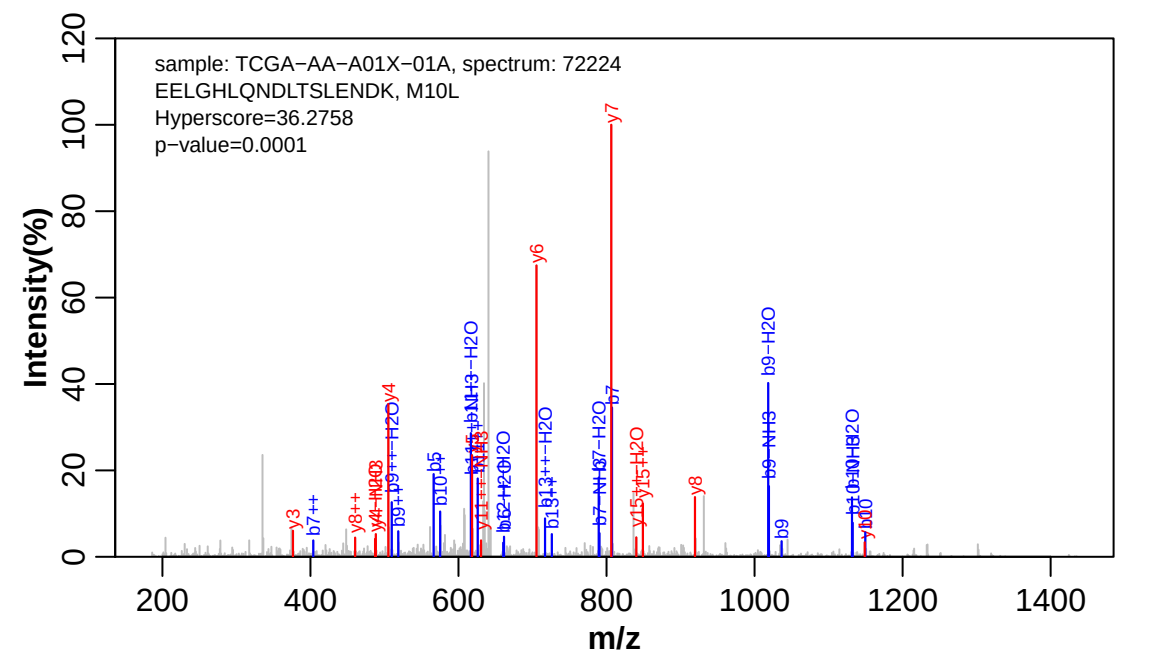

sample: TCGA−AA−A01X−01A, spectrum: 101354
DGYGFLNR, N1D
Hyperscore=27.0139
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

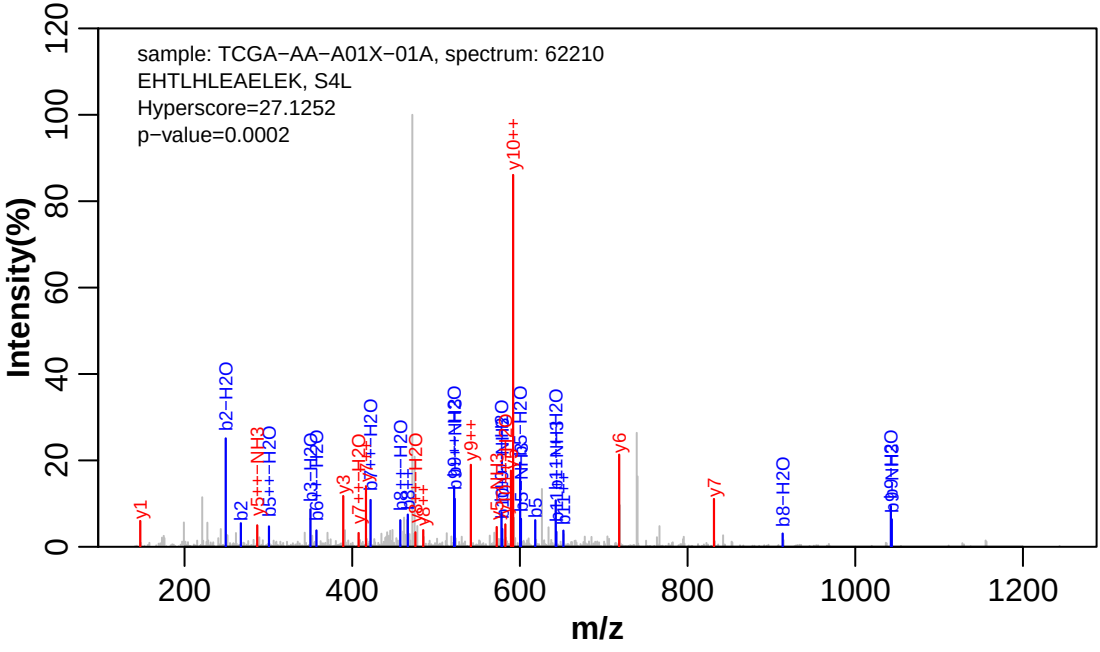

sample: TCGA−AA−A01X−01A, spectrum: 120547
DSKEPFSSVELQAALSK, E3K
Hyperscore=64.6966
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2−H2O
y2
b3
y7++−H2O
y3
y4−H2O
y4
y5−H2O
b4
b9++−H2O
b9++
b10++
y6−NH3
y6−H2O
b12++−H2O
b12++
y7
b14++
b15++
y8
b7
b15++−H2O
y15++
b16++
b8−H2O
b8
b10−H2O
b10
b11

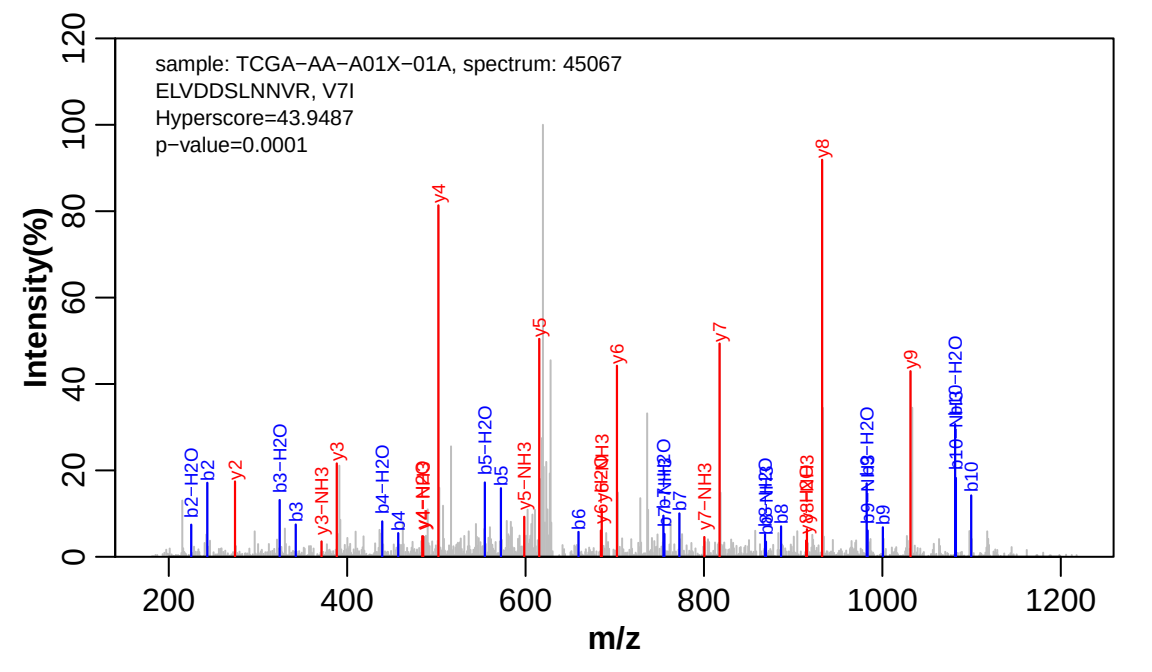

sample: TCGA−AA−A01X−01A, spectrum: 71236
EALELDSLR, V2A
Hyperscore=28.0836
p−value=0.0009
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3−H2O
b3
y3
b4−H2O
b4−NH3
b4
y4
b5−H2O
b5−NH3
b5
y5
b6
b6−H2O
b6−NH3
y6
b7−H2O
y7
b8−H2O
b8

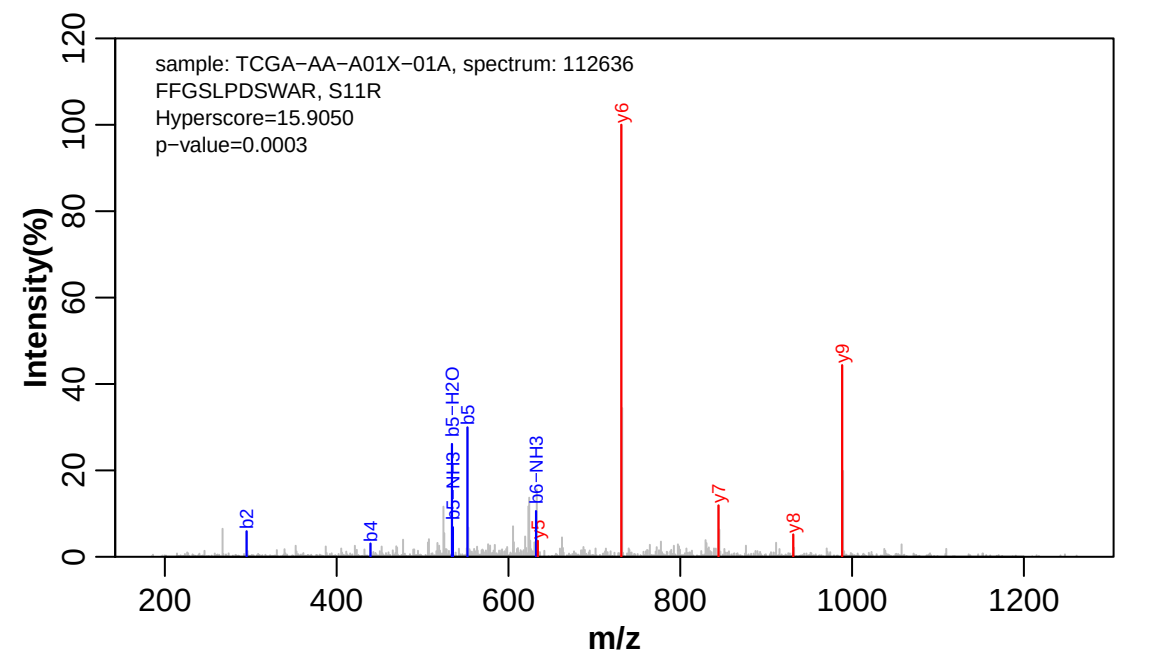

sample: TCGA−AA−A01X−01A, spectrum: 14625
EAPETDTSPSLWNVEFAK, D13N
Hyperscore=20.1507
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9−NH3
y10
y7
y4
y6
y9
b11
y11
b12−H2O
y12
y13
y14

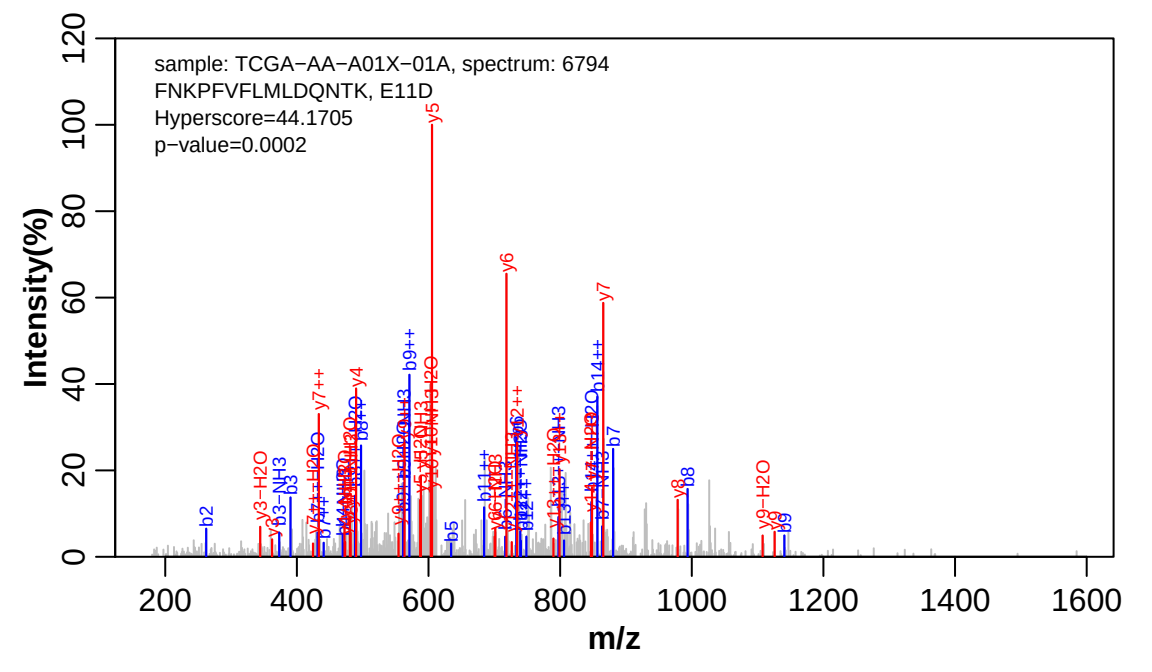

sample: TCGA−AA−A01X−01A, spectrum: 27007
ECEPPSAGAAVSAR, T12S
Hyperscore=31.0077
p−value=0.0001
Intensity(%)
m/z
y3
b3−H2O
b3
y4
y5−H2O
y6−H2O
y6
b5−H2O
y7
b6−NH3
y8−H2O
y10
b10−H2O
b10
y11
b11−H2O
b11
y12

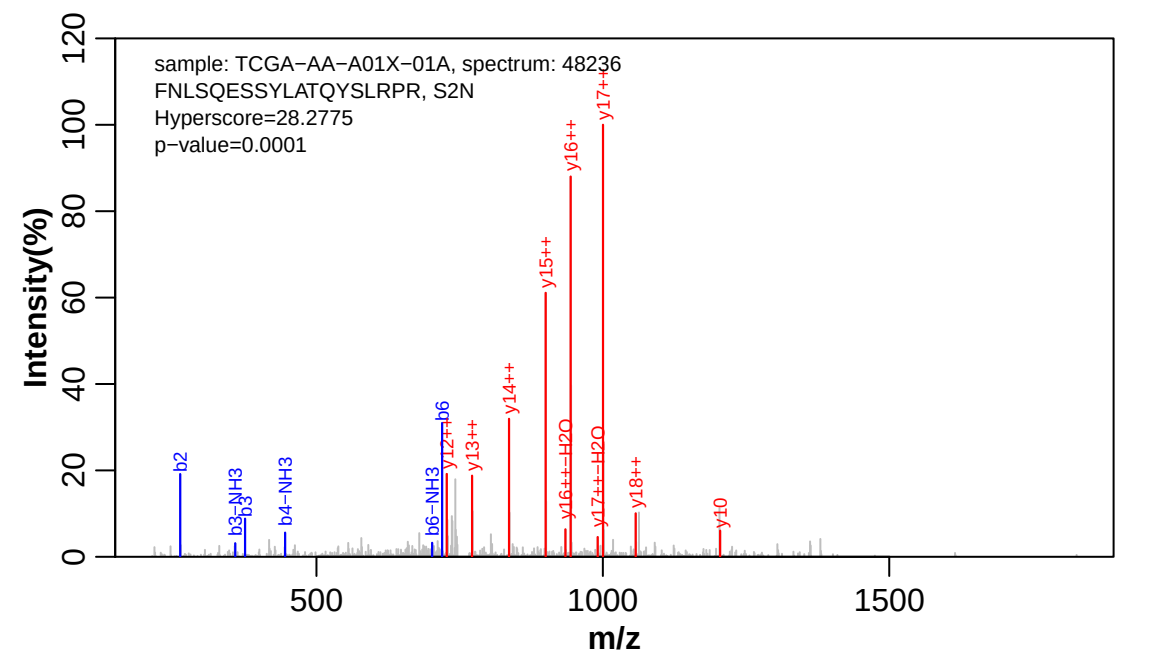

sample: TCGA−AA−A01X−01A, spectrum: 72224
EELGHLQNDLTSLENDK, M10L
Hyperscore=36.2758
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y6
y8
y4
y3
b7++
b9++
b10
b5
b9−H2O
b9−NH3
b7
b9
b10−H2O
b10−NH3
b10
b13++−H2O
b13++
y15++−H2O
y15++
b7−NH3
b7−H2O
b2+−H2O
b2+
y11++−H2O
y11++
y8++
y4−H2O
y4−NH3
y4−H2O−NH3
b9++−H2O
b9++
b10−H2O
b10−NH3
b10−H2O−NH3

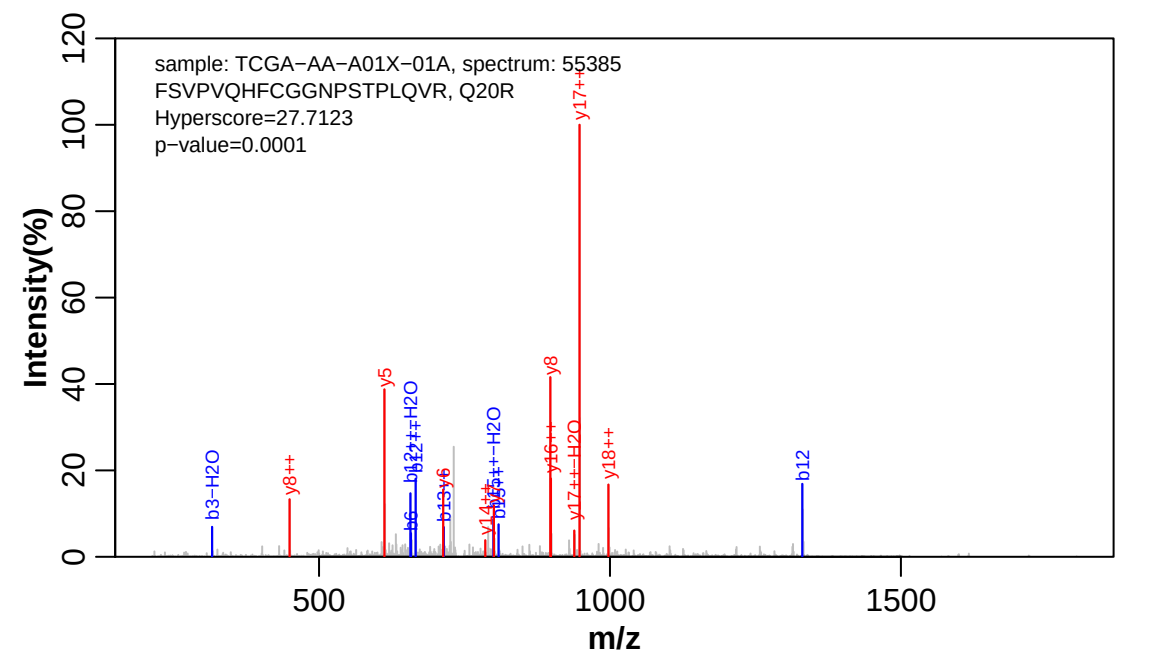

sample: TCGA−AA−A01X−01A, spectrum: 62210
EHTLHLEAELEK, S4L
Hyperscore=27.1252
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2−H2O
y10++
y6
y7
b8−H2O

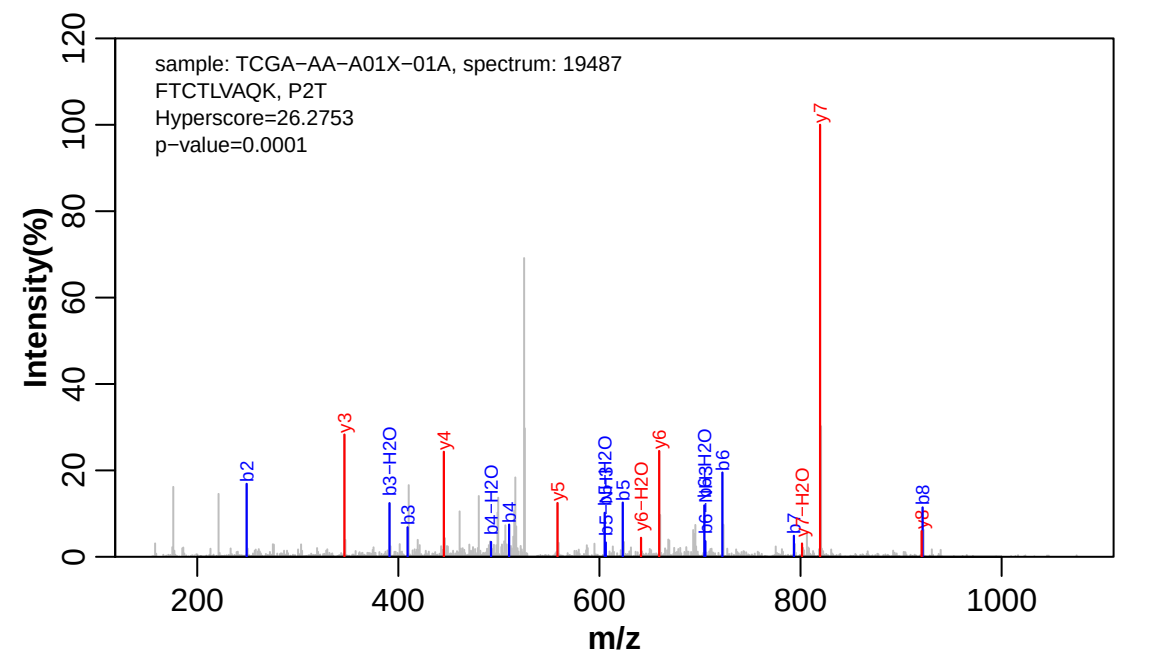

sample: TCGA−AA−A01X−01A, spectrum: 45067
ELVDDSLNNVR, V7I
Hyperscore=43.9487
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3−NH3
y3
b4−H2O
b4
y4−NH3
y4
b5−H2O
b5
y5−NH3
y5
b6
y6−H2O−NH3
y6
b7−NH3−H2O
b7
y7−NH3
y7
b8−NH3−H2O
b8
y8−NH3
y8
b9−NH3−H2O
b9
y9
b10−NH3−H2O
b10

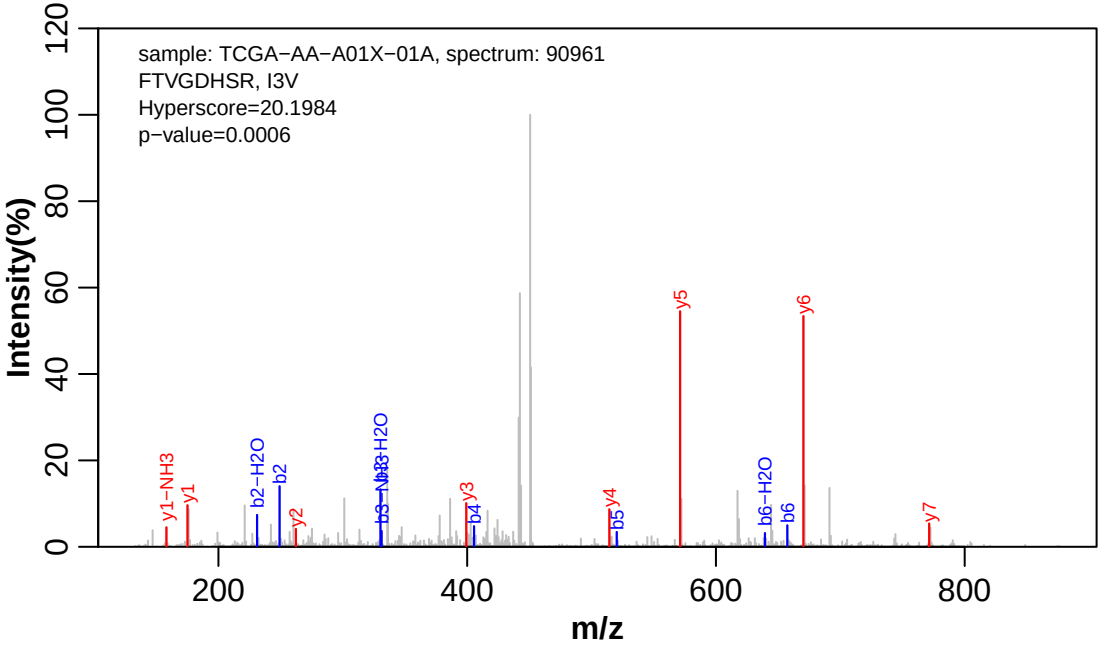

sample: TCGA−AA−A01X−01A, spectrum: 112636
FFGSLPDSWAR, S11R
Hyperscore=15.9050
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
b5−NH3
b5−H2O
b5
y5
b6−NH3
y6
y7
y8
y9

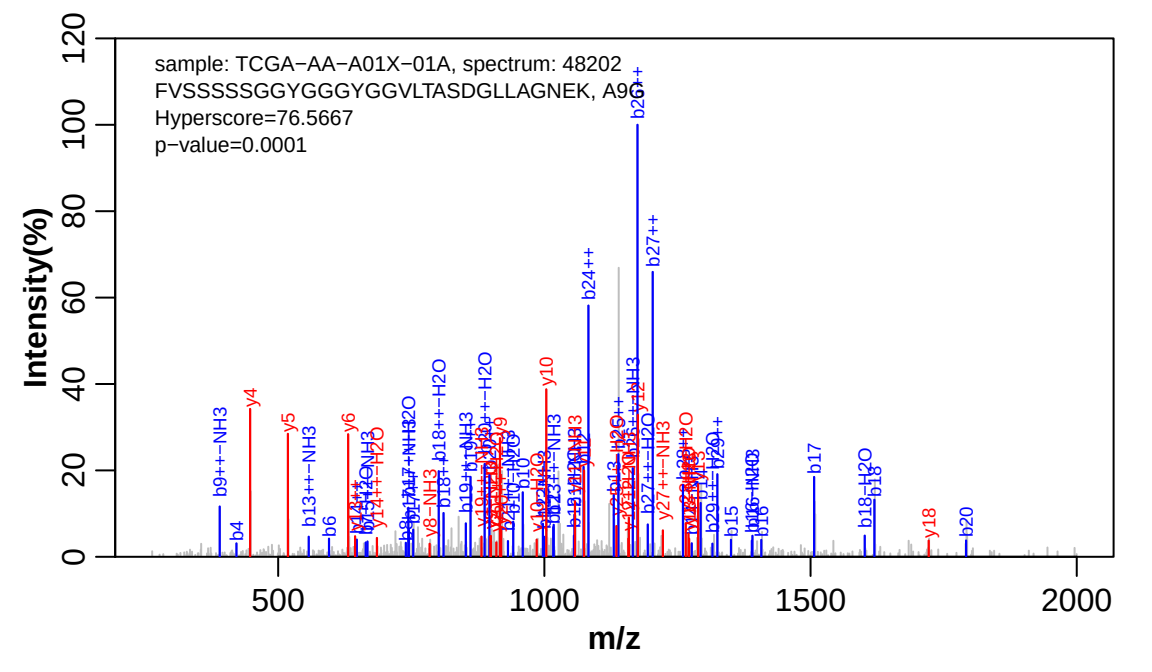

sample: TCGA−AA−A01X−01A, spectrum: 6794
FNKPFVFLMLDQNTK, E11D
Hyperscore=44.1705
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3−H2O
y3
b3−NH3
b3
y7++
y4
b9++
y5
y6
y7
b7
b8
y8
y9−H2O
y9
b9

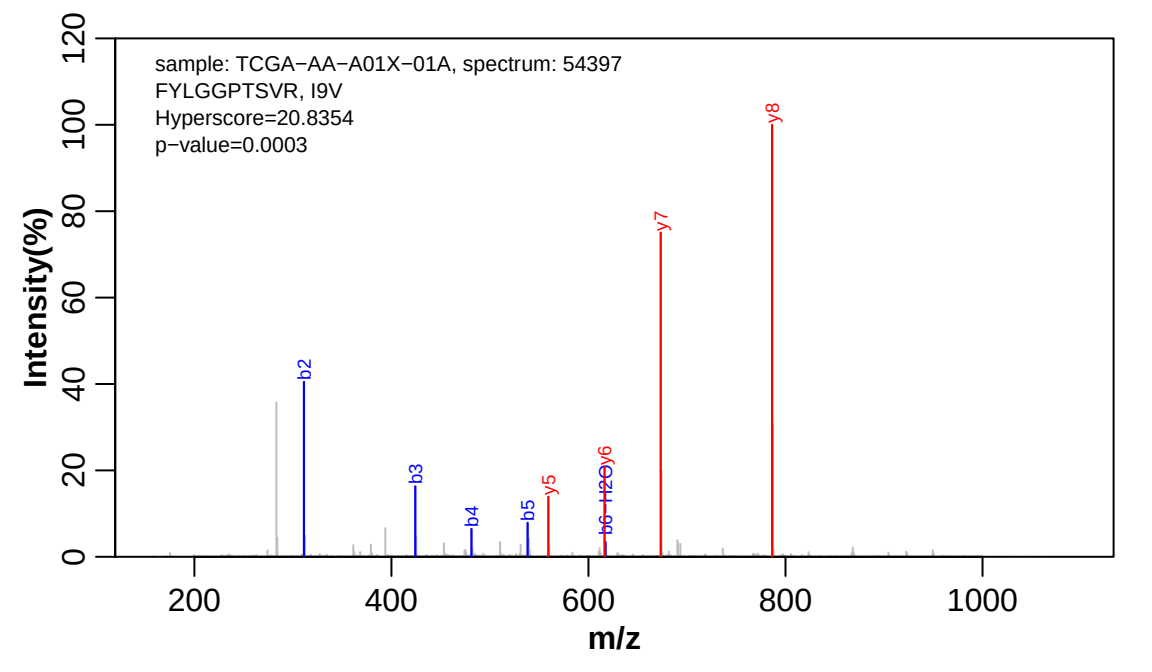

sample: TCGA−AA−A01X−01A, spectrum: 48236
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=28.2775
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3−NH3
b3
b4−NH3
b6−NH3
y12++
b6
y13++
y14++
y15++
y16++−H2O
y16++
y17++−H2O
y17++
y18++
y10

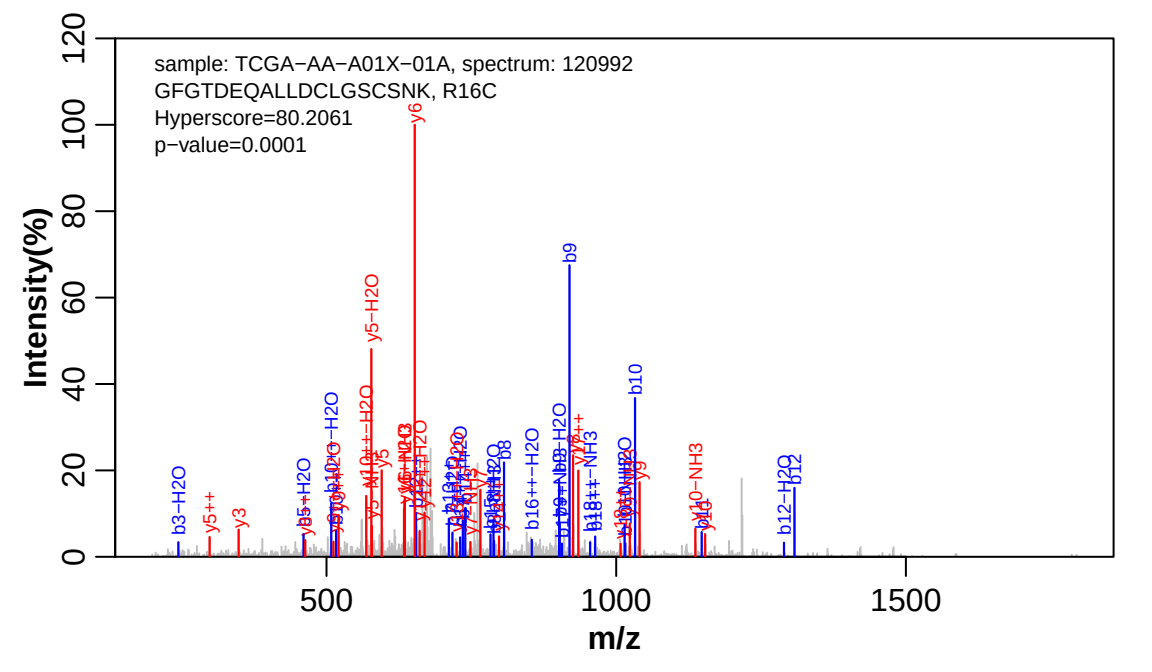

sample: TCGA−AA−A01X−01A, spectrum: 55385
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=27.7123
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y8++
y5
b12++−H2O
b6
b12++
b13y6
y14++
b15++−H2O
y8
y16++
y17++−H2O
y17++
y18++
b12

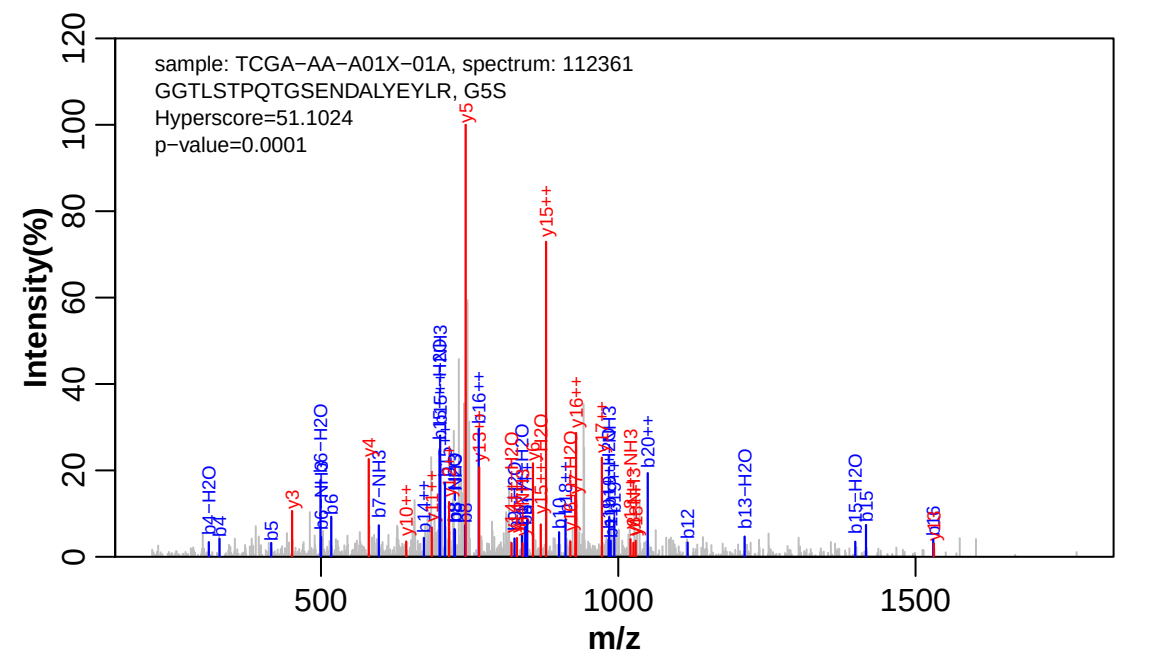

sample: TCGA−AA−A01X−01A, spectrum: 19487
FTCTLVAQK, P2T
Hyperscore=26.2753
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y3
b3−H2O
b3
y4
b4−H2O
b4
y5
b5−H2O
b5
y6−H2O
y6
b6−H2O
b6
y7
y7−H2O
y8
b8

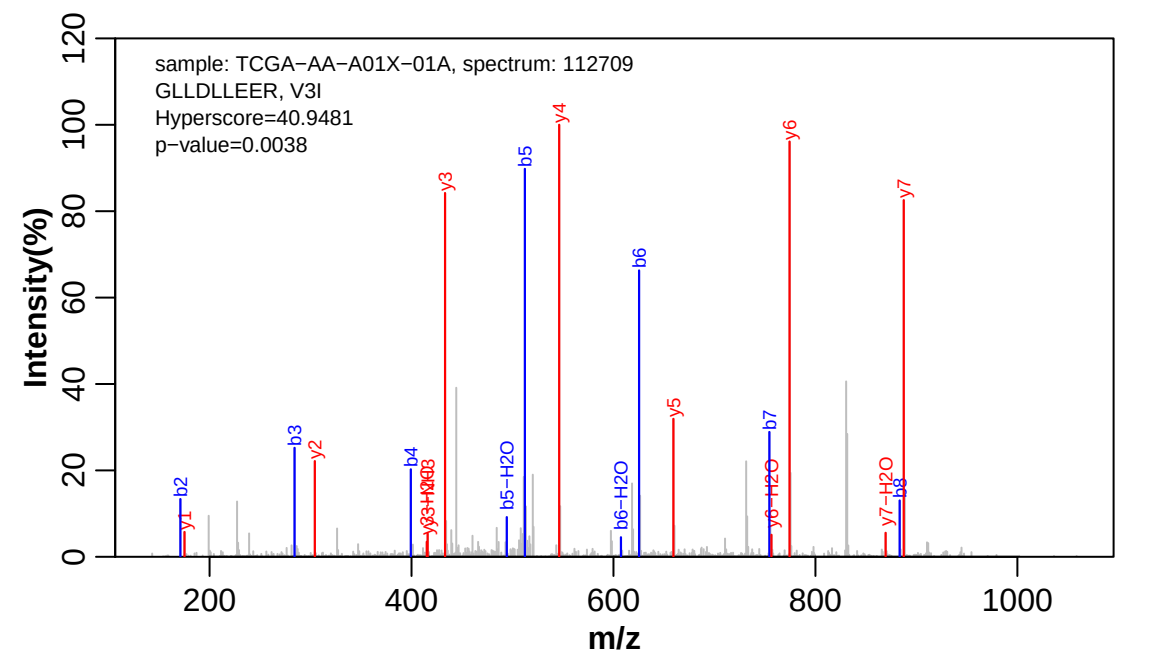

sample: TCGA−AA−A01X−01A, spectrum: 90961
FTVGDHSR, I3V
Hyperscore=20.1984
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2−H2O
b2
y2
b3−NH3
b3−H2O
y3
b4
y4
b5
y5
b6−H2O
b6
y6
y7

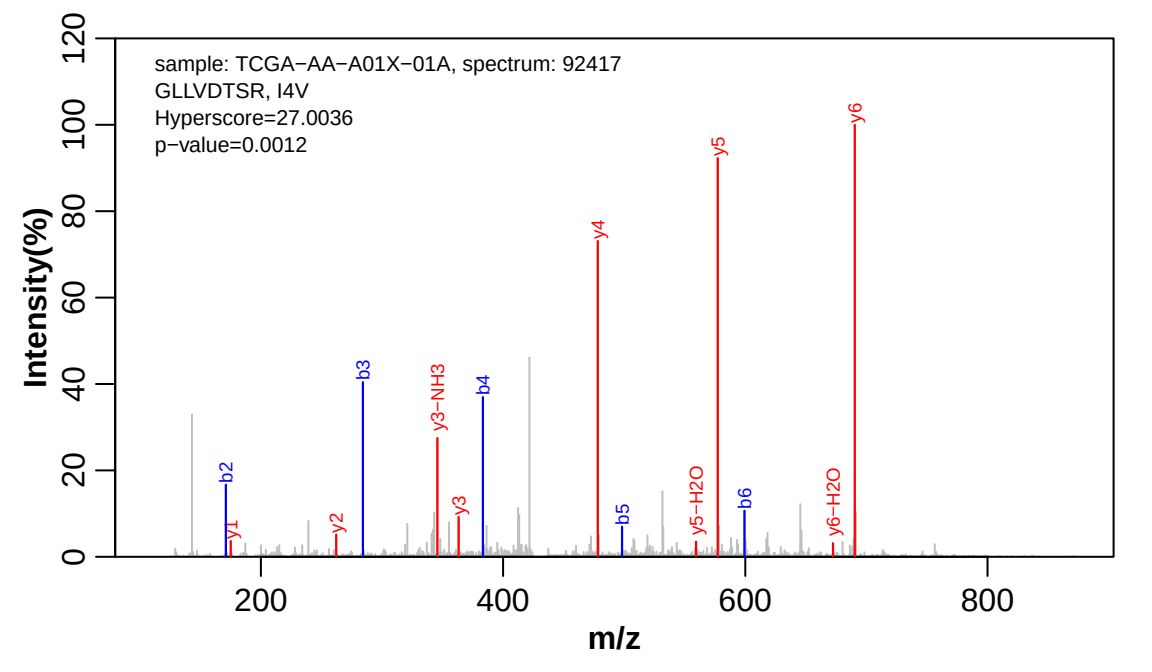

sample: TCGA−AA−A01X−01A, spectrum: 48202
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=76.5667
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
b4
y5
b13++−NH3
b6
y6
y14++−H2O
b18++−H2O
y8−NH3
b18++−NH3
b19++−NH3
y10
b24++
b26++
b27++
y27++−NH3
b29++
b15
b17
b18−H2O
b18
y18
b20

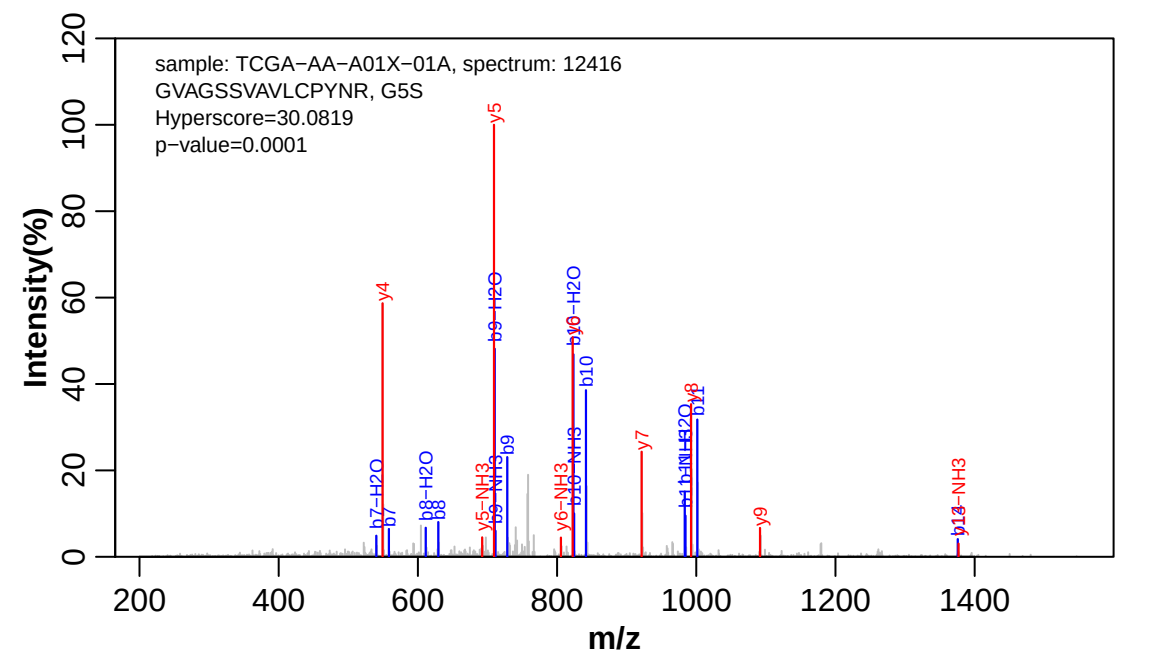

sample: TCGA−AA−A01X−01A, spectrum: 54397
FYLGGPTSVR, I9V
Hyperscore=20.8354
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8

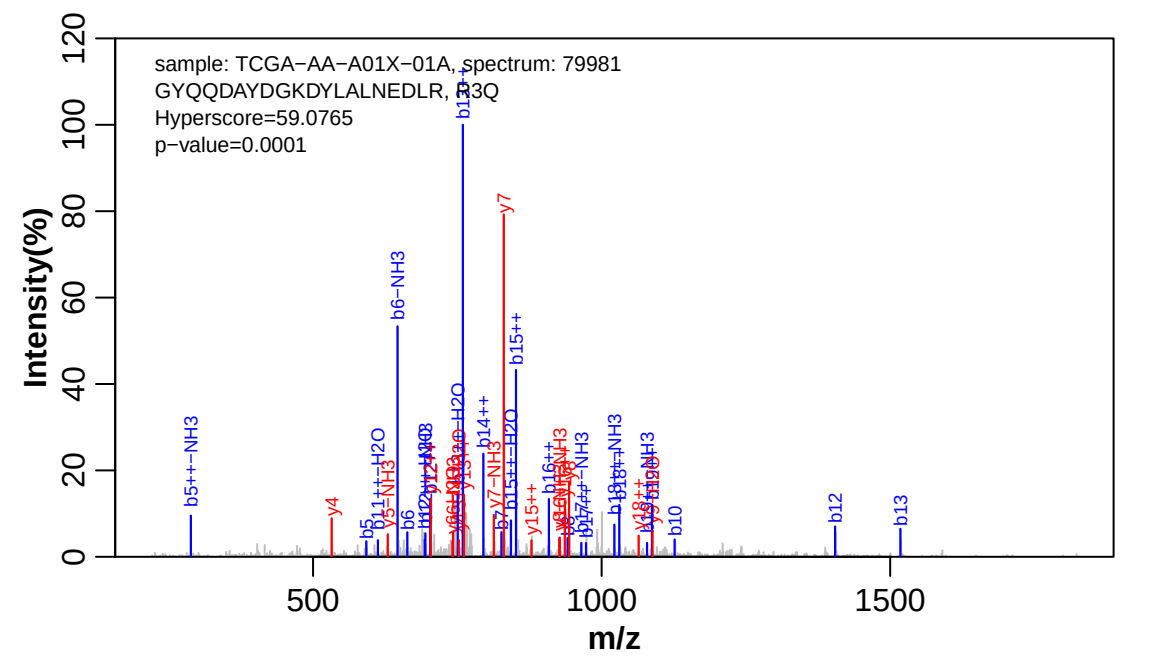

sample: TCGA−AA−A01X−01A, spectrum: 120992
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=80.2061
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
b9
y5−H2O
b10
b3−H2O
y5++
y3
b12−H2O
b12
b10−NH3
b16++−H2O

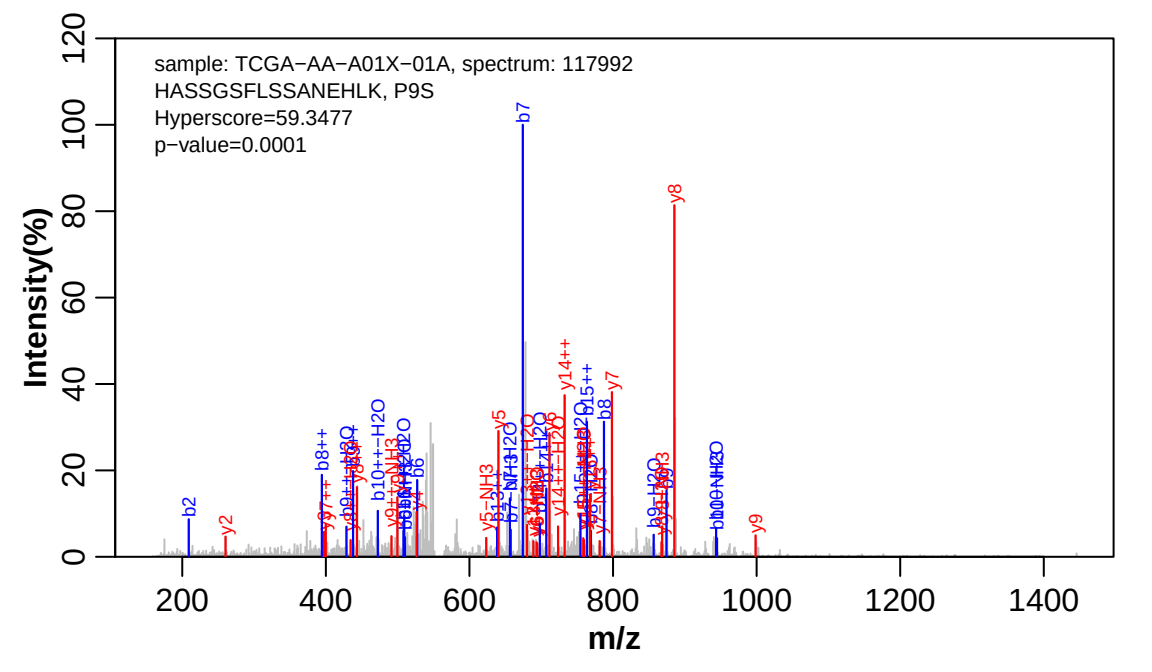

sample: TCGA−AA−A01X−01A, spectrum: 112361
GGTLSTPQTGSENDALYEYLR, G5S
Hyperscore=51.1024
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
y15++
y13−b16++
y16++
y4
b7−NH3
b4−H2O
b5
y3
b6
b12
b13−H2O
b15−H2O
b15
b20++
y15++−H2O
y10++

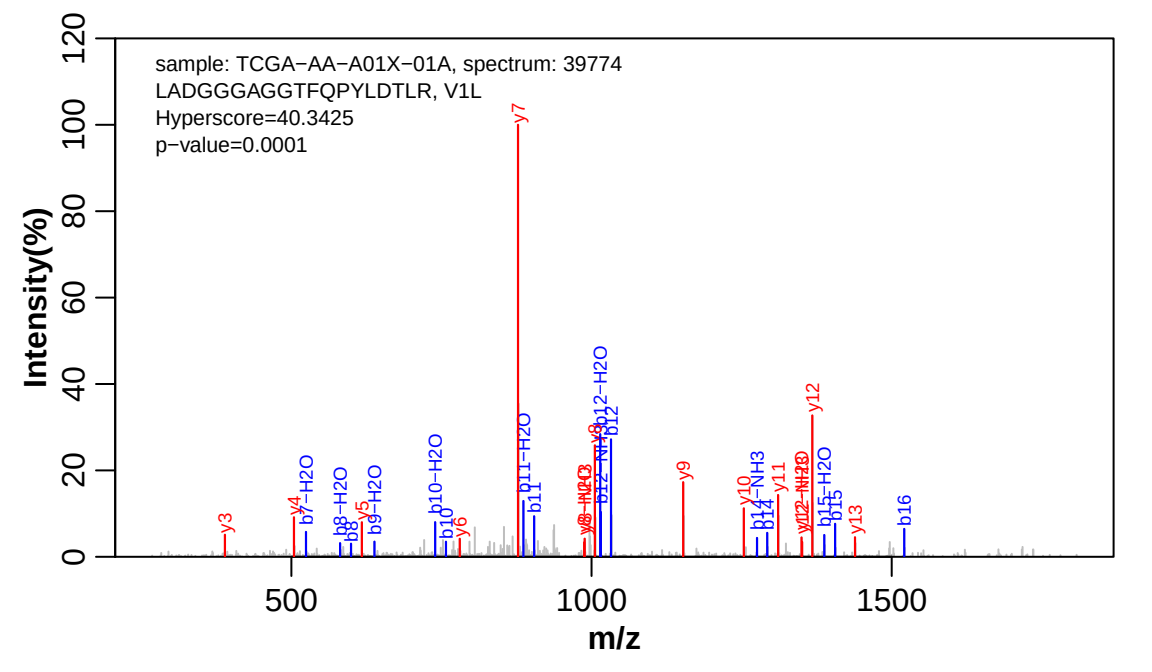

sample: TCGA−AA−A01X−01A, spectrum: 112709
GLLDLLEER, V3I
Hyperscore=40.9481
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y2
b4
y3
b5
b5−H2O
y4
b6
b6−H2O
y5
b7
y6
y6−H2O
y7
y7−H2O
b8

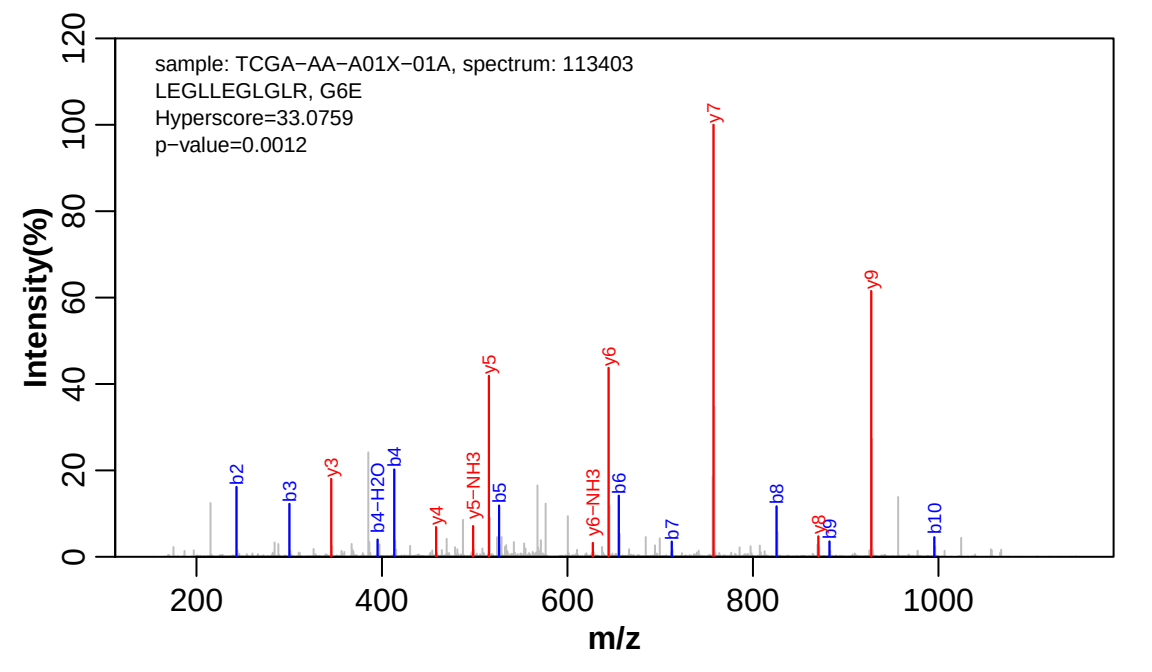

sample: TCGA−AA−A01X−01A, spectrum: 92417
GLLVDTSR, I4V
Hyperscore=27.0036
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
b2
y1
y2
b3
y3−NH3
y3
b4
y4
b5
y5−H2O
y5
b6
y6−H2O
y6

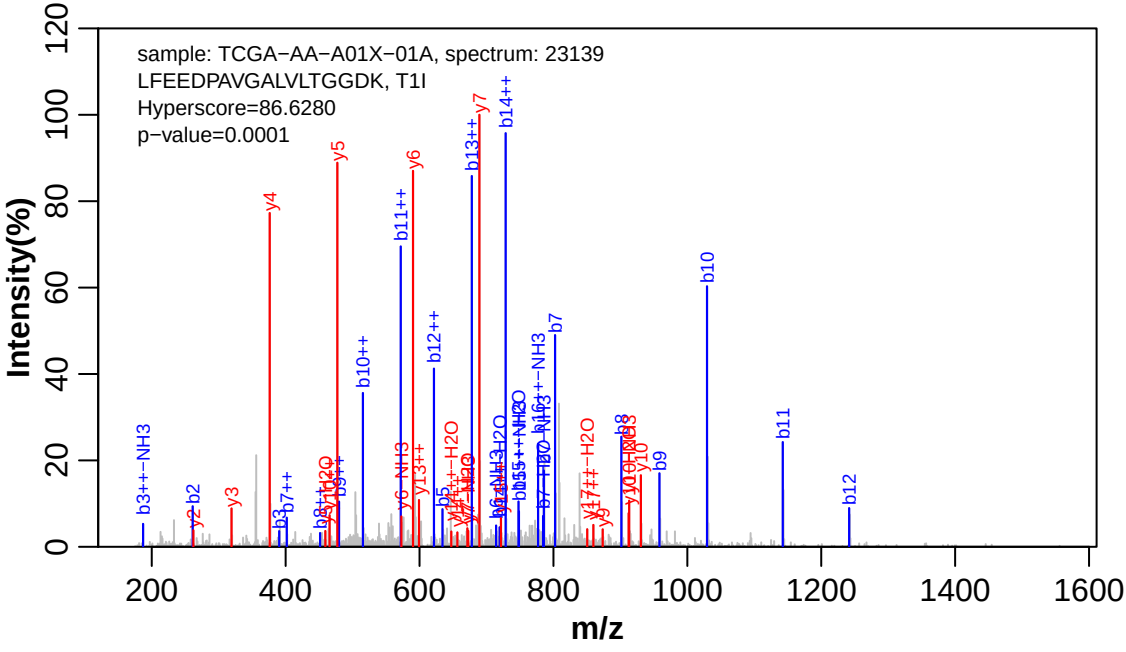

sample: TCGA−AA−A01X−01A, spectrum: 12416
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.0819
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
b10
y7
y9
b7−H2O
b7
b8−H2O
b8
y5−NH3
b9−NH3
b9
y6−NH3
b10−NH3
b11−H2O
b11
y8
y13−NH3

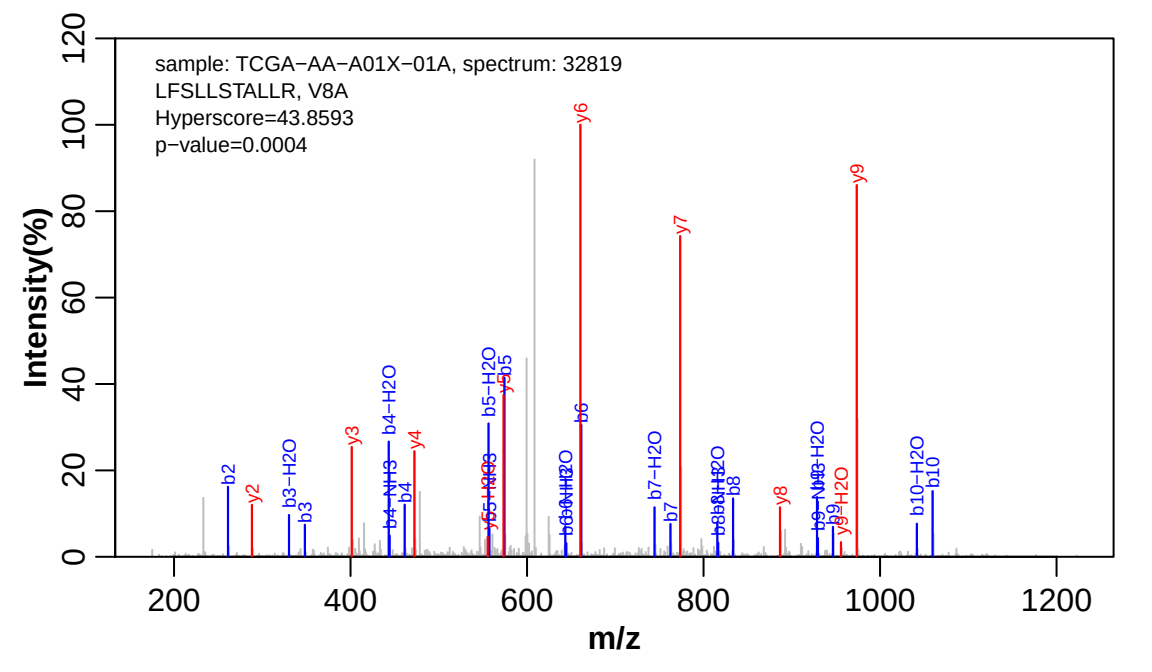

sample: TCGA−AA−A01X−01A, spectrum: 79981
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=59.0765
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5++−NH3
y4
b5
b11++−H2O
y5−NH3
b6
b6−NH3
b12
b12−H2O
b13
b13−H2O
b14++
y7
y7−NH3
b7
b15++−H2O
b15++
y15++
b16++
b17++
b17++−NH3
b18++−NH3
y18++
b10
b12
b13

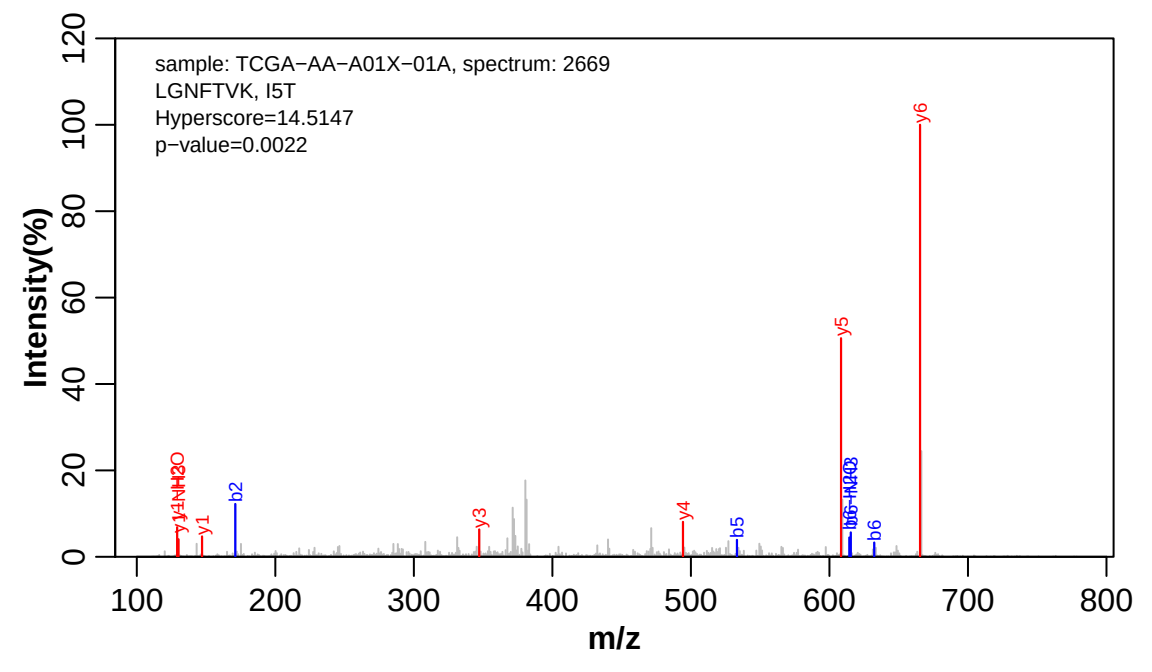

sample: TCGA−AA−A01X−01A, spectrum: 117992
HASSGSFLSSANEHLK, P9S
Hyperscore=59.3477
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b8++
b10++−H2O
y5−NH3
y5
b7
y14++
b15++
b8
y7
y8
y9

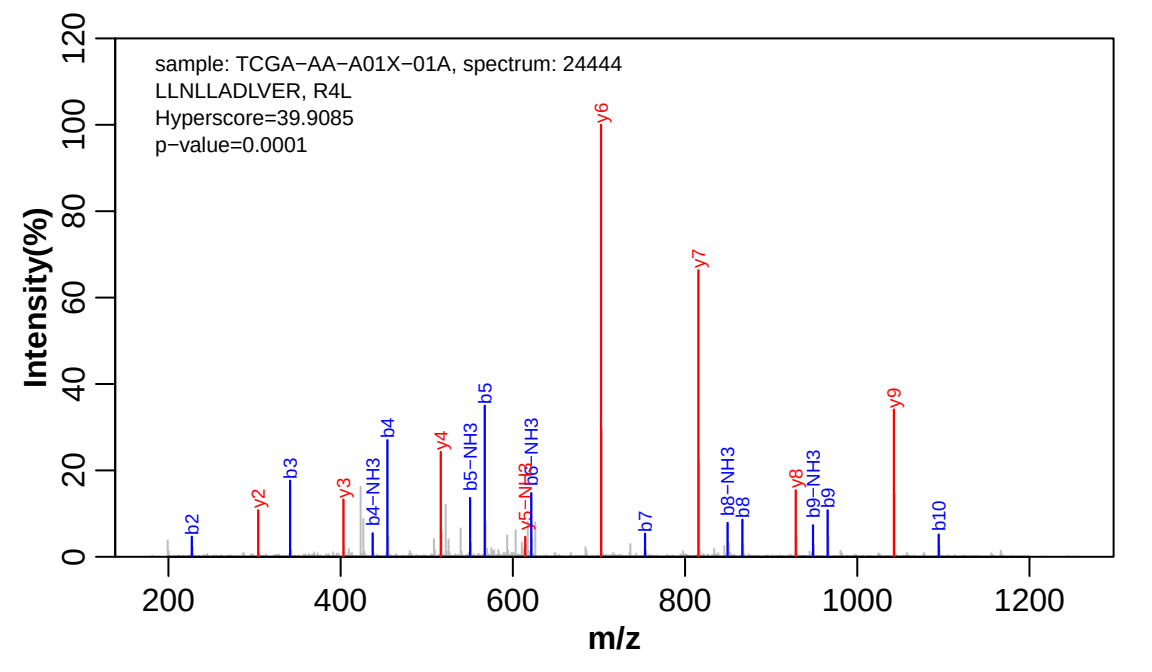

sample: TCGA−AA−A01X−01A, spectrum: 39774
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=40.3425
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y3
y4
b7−H2O
b8−H2O
b8
y5
b9−H2O
b10−H2O
b10
y6
b11−H2O
b11
b12−H2O
b12
y9
y10
b14−NH3
b14
y11
y12
b15−H2O
b15
y13
b16

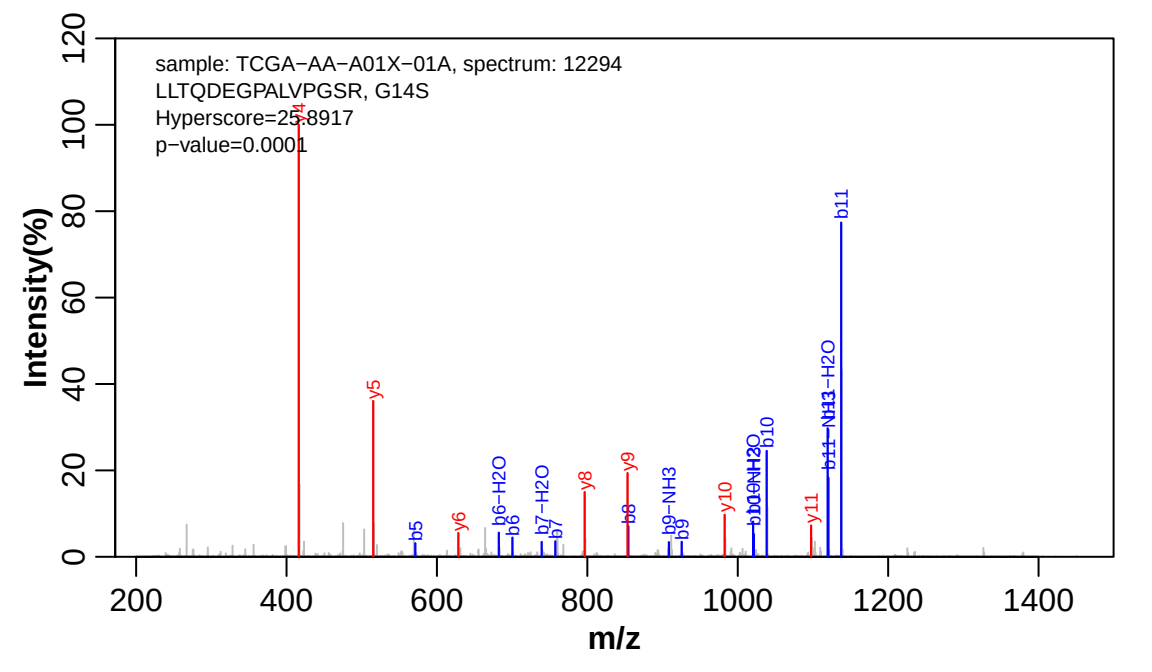

sample: TCGA−AA−A01X−01A, spectrum: 113403
LEGLLEGLGLR, G6E
Hyperscore=33.0759
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y3
b3
b4−H2O
b4
y4
y5−NH3
y5
b5
y6−NH3
y6
b6
b7
y7
b8
y8
b9
y9
b10

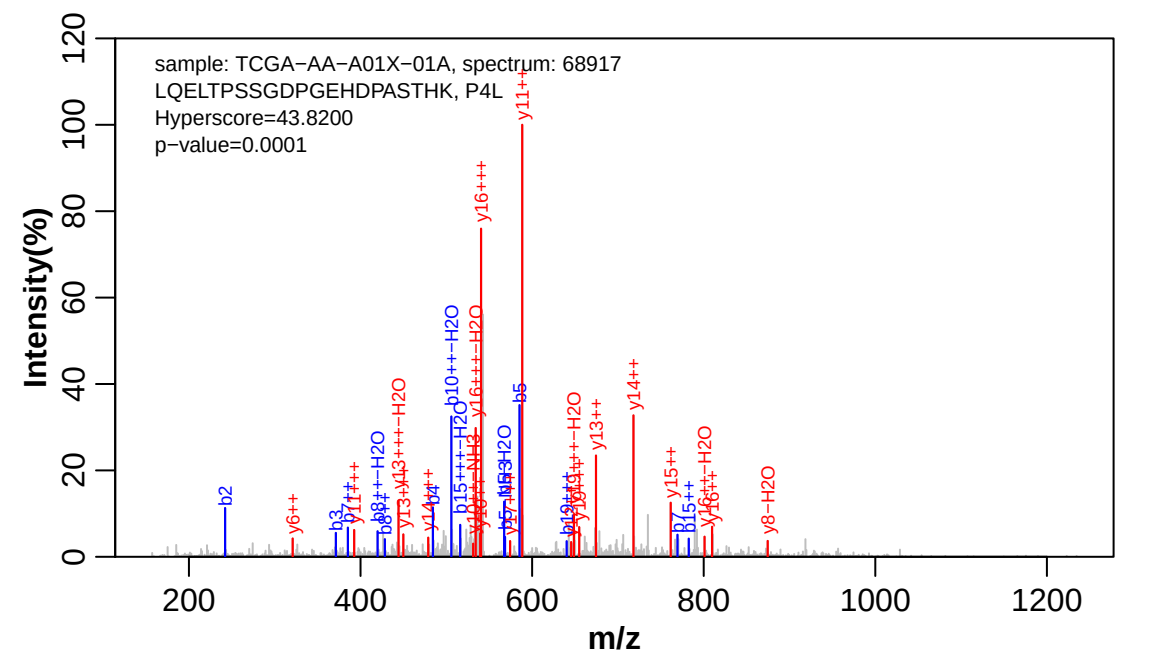

sample: TCGA−AA−A01X−01A, spectrum: 23139
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=86.6280
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3++−NH3
y2−b2
y3
b3
b7++
y4
y5
y6
b10++
y6−NH3
y13++
b11++
b12++
b5
b13++
y7
b14++
b7
b10
b11
b12
b9
y10
y17++−H2O

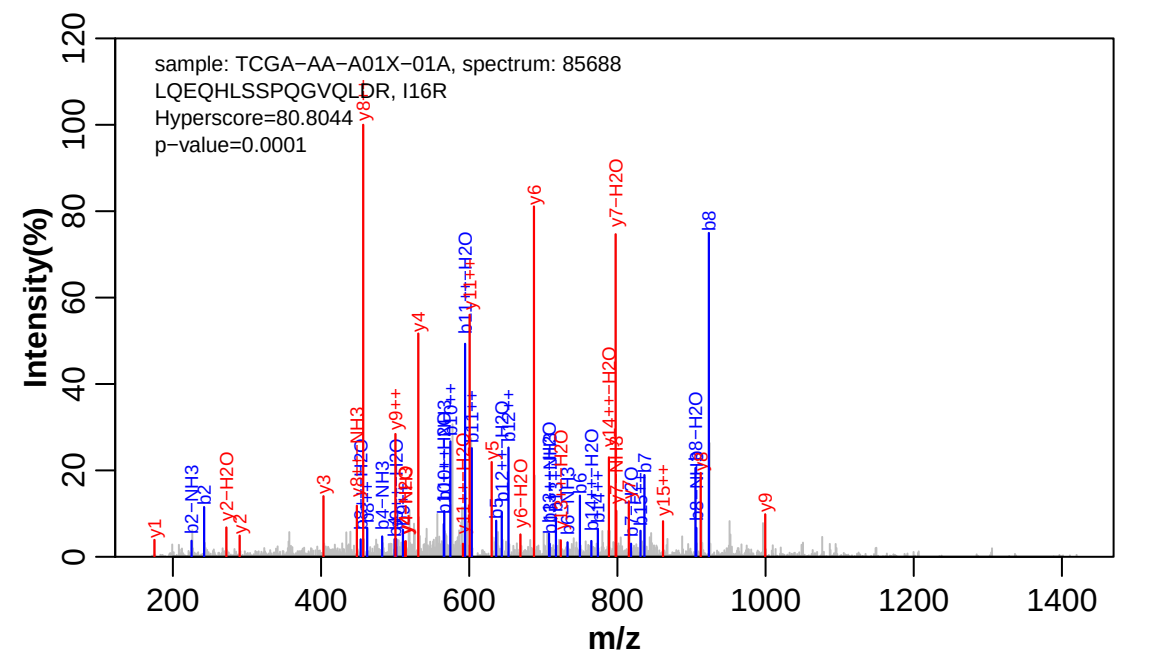

sample: TCGA−AA−A01X−01A, spectrum: 32819
LFSLLSTALLR, V8A
Hyperscore=43.8593
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−NH3
b4−H2O
b4
y4
b5−H2O
y5
b6
y6
b7−H2O
b7
y7
b8
y8
b10−H2O
b10
y9

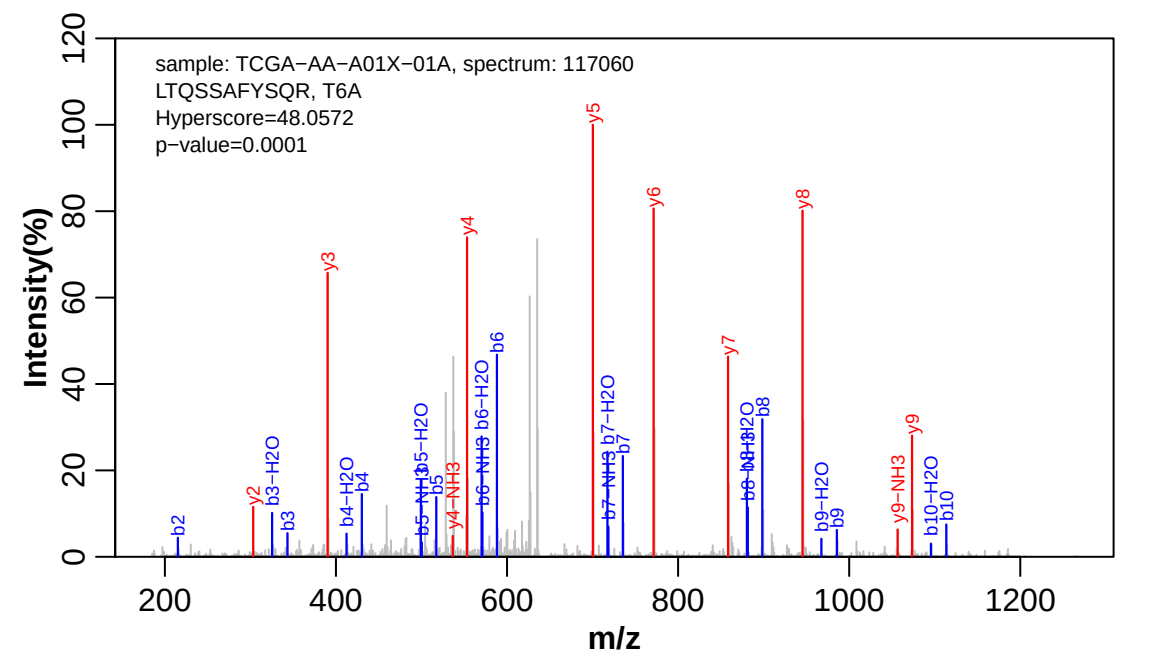

sample: TCGA−AA−A01X−01A, spectrum: 2669
LGNFTVK, I5T
Hyperscore=14.5147
p−value=0.0022
Intensity(%)
m/z
y6
y5
y4
y3
y1
b2
b5
b6
0
20
40
60
80
100
120
100
200
300
400
500
600
700
800

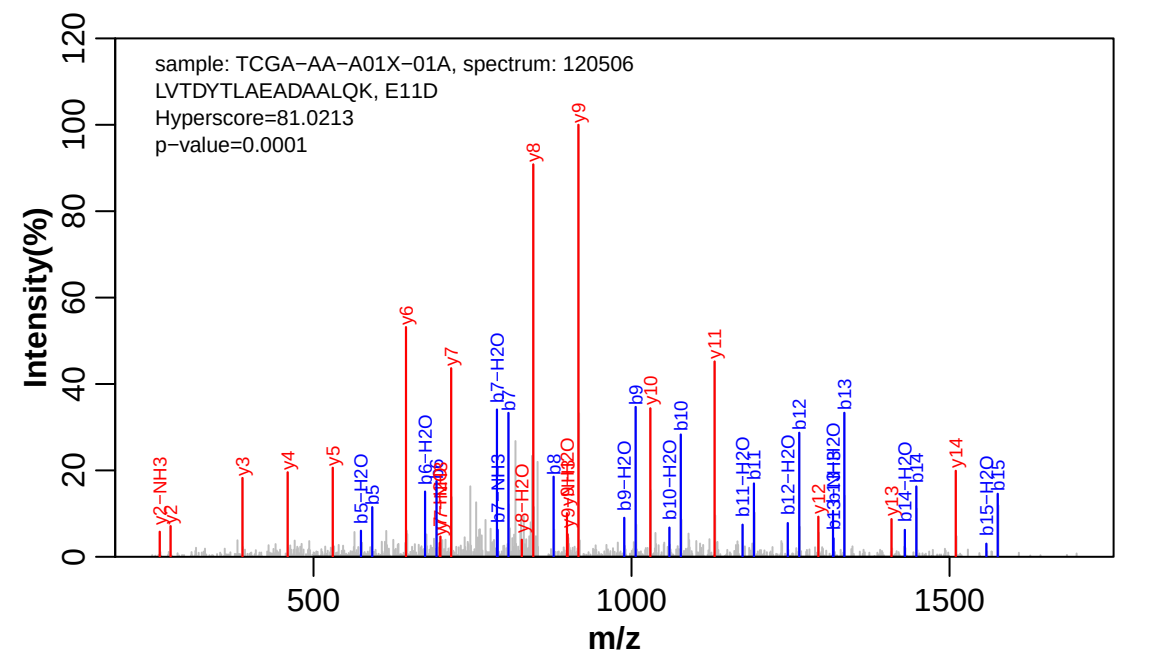

sample: TCGA−AA−A01X−01A, spectrum: 24444
LLNLLADLVER, R4L
Hyperscore=39.9085
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

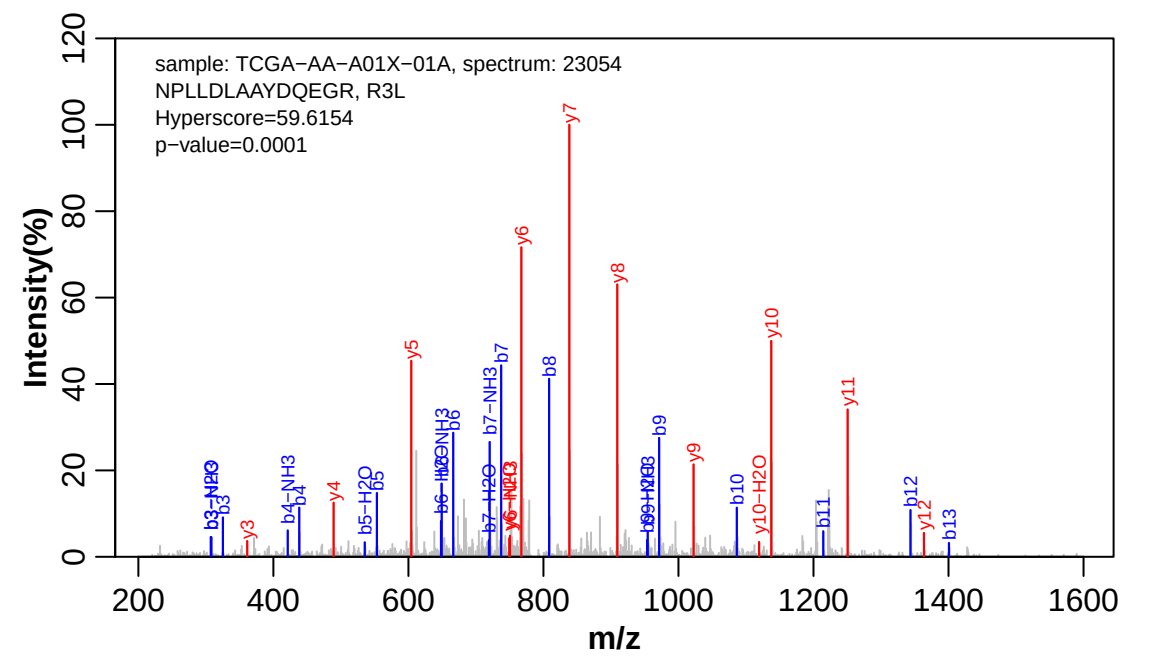

sample: TCGA−AA−A01X−01A, spectrum: 12294
LLTQDEGPALVPGSR, G14S
Hyperscore=25.8917
p−value=0.0001
Intensity(%)
m/z
y4
y5
b5
y6
b6−H2O
b6
b7−H2O
b7
y8
y9
b8
b9−NH3
b9
y10
b10−NH3
b10−H2O
b10
y11
b11−NH3
b11−H2O
b11

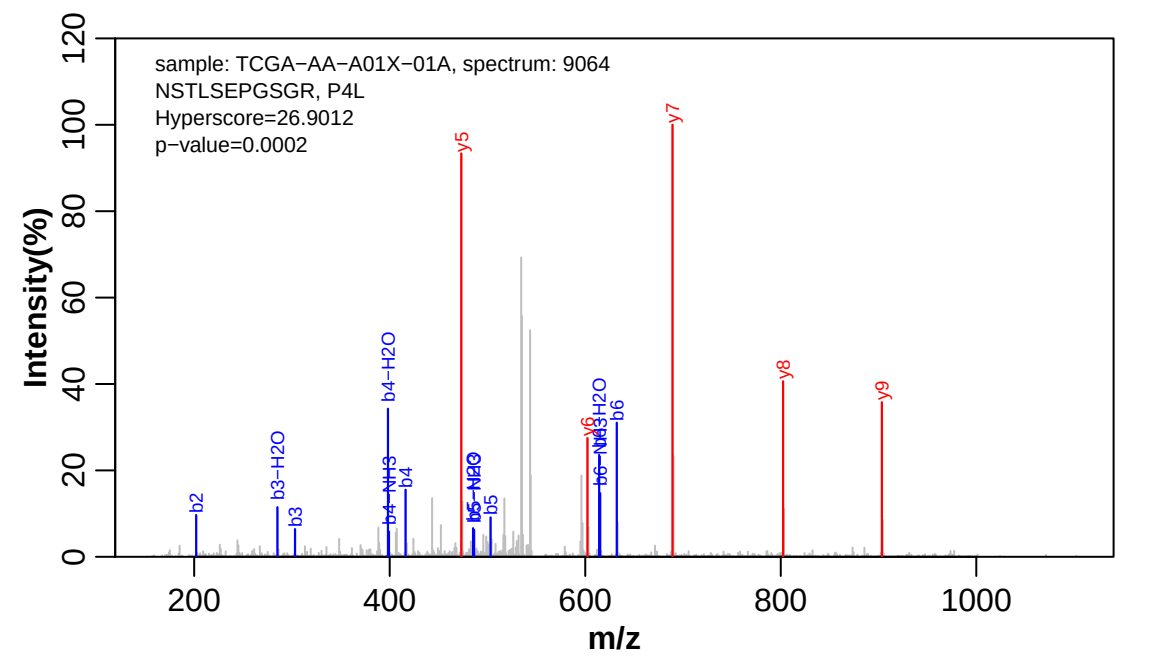

sample: TCGA−AA−A01X−01A, spectrum: 68917
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=43.8200
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y6++
b3
y7++
y11+++
b8++−H2O
y13+++−H2O
y14++
b4
b15+++−H2O
b10++−H2O
y16+++−H2O
y11++
y16+++
b5
y14++
y13++
y15++
b7
b15++
y16++−H2O
y8−H2O

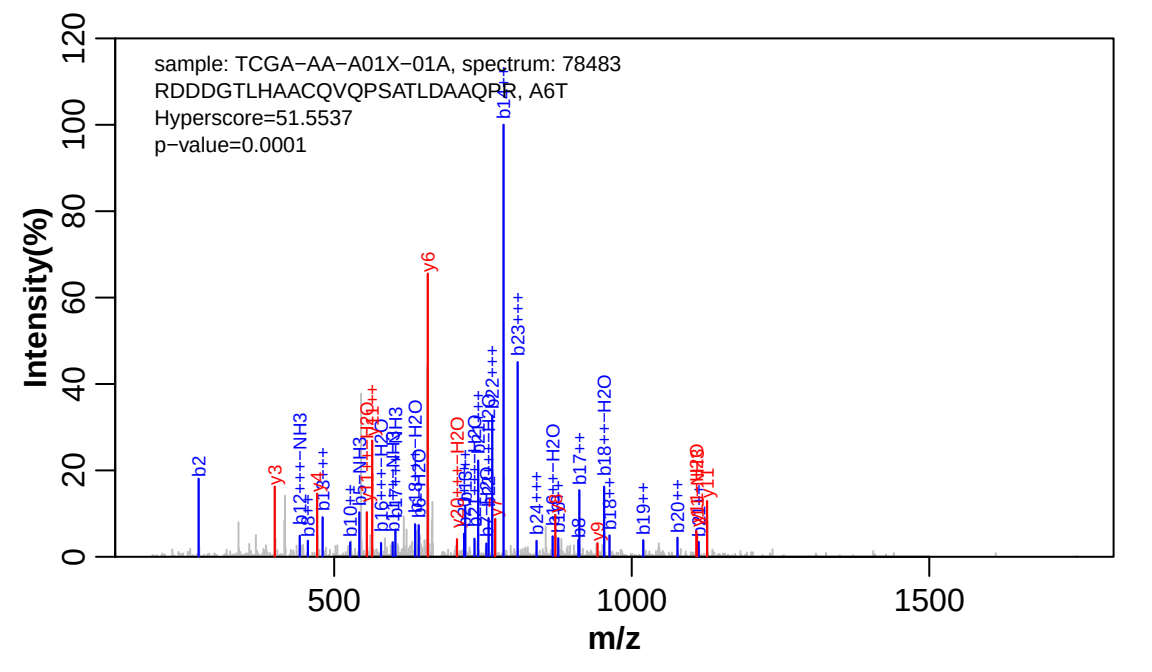

sample: TCGA−AA−A01X−01A, spectrum: 85688
LQEQHLSSPQGVQLDR, I16R
Hyperscore=80.8044
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y1
b2−NH3
b2
y2−H2O
y2
y3
y8++
y8
b4−NH3
y4
y9++
y9
b11++
b11++−H2O
b11++−NH3
b11+
b11+−H2O
y11+
y11+−H2O
y5
b12+
b12++
y6−H2O
y6
b14++
b14++−H2O
b14++−NH3
b6
b14+
b14+−H2O
b14+−NH3
y7−H2O
y7
y14++−H2O
y14++
b7
y15++
b8
b8−NH3
b8−H2O
y9

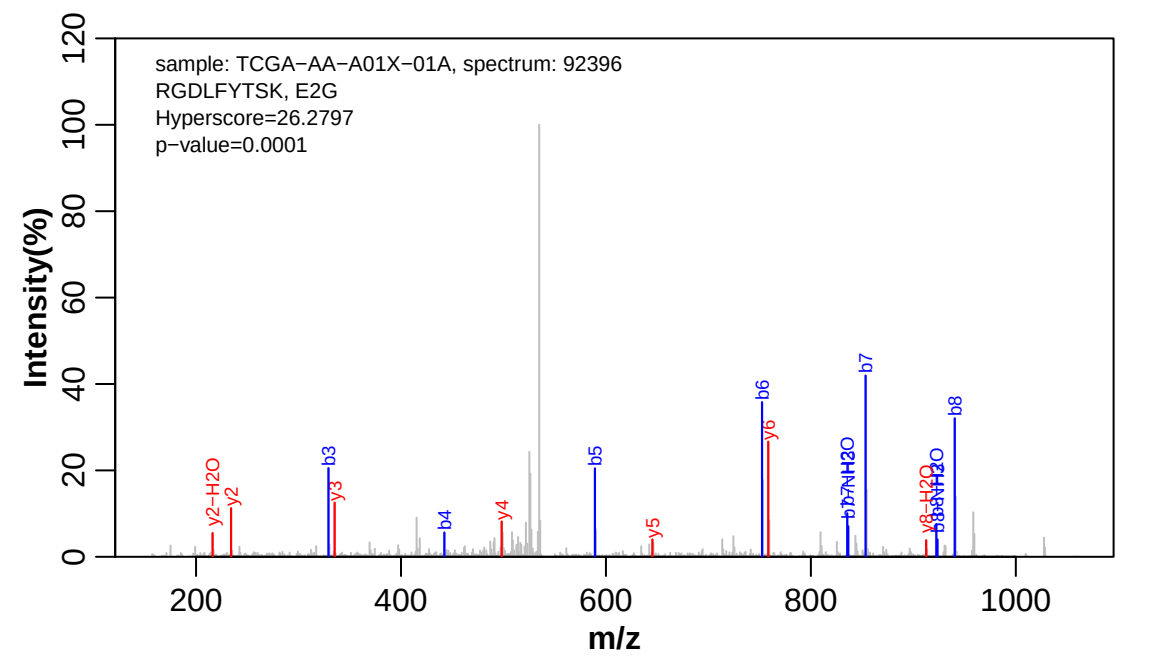

sample: TCGA−AA−A01X−01A, spectrum: 117060
LTQSSAFYSQR, T6A
Hyperscore=48.0572
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
b5−NH3
b5−H2O
b5
y4−NH3
y4
b6−NH3
b6−H2O
b6
y5
b7−NH3
b7−H2O
b7
y6
b8−NH3
b8−H2O
b8
y7
b9−H2O
b9
y8
y9−NH3
b10−H2O
b10
y9

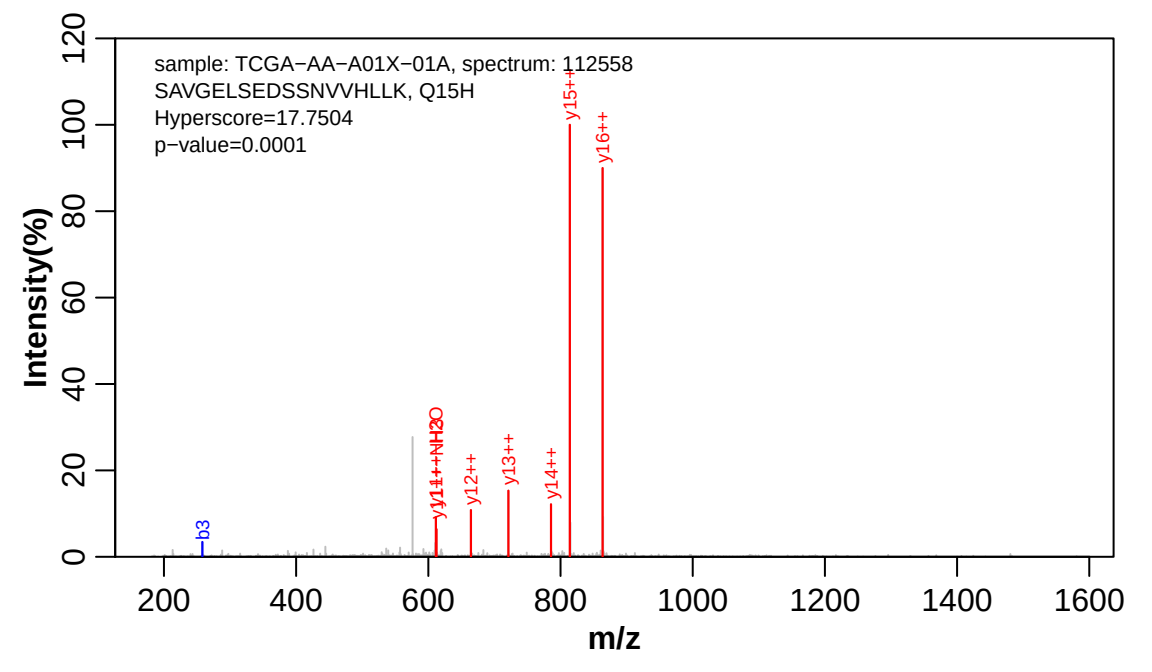

sample: TCGA−AA−A01X−01A, spectrum: 120506
LVTDYTLAEADAALQK, E11D
Hyperscore=81.0213
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y8
y6
y7
y11
y10
y5
y4
y3
y2−NH3
y2
y14
y13
y12
b7−H2O
b7
b9
b10
b11
b12
b13
b9−H2O
b10−H2O
b11−H2O
b12−H2O
b5−H2O
b5
b6−H2O
b8
b14−H2O
b15−H2O
b15

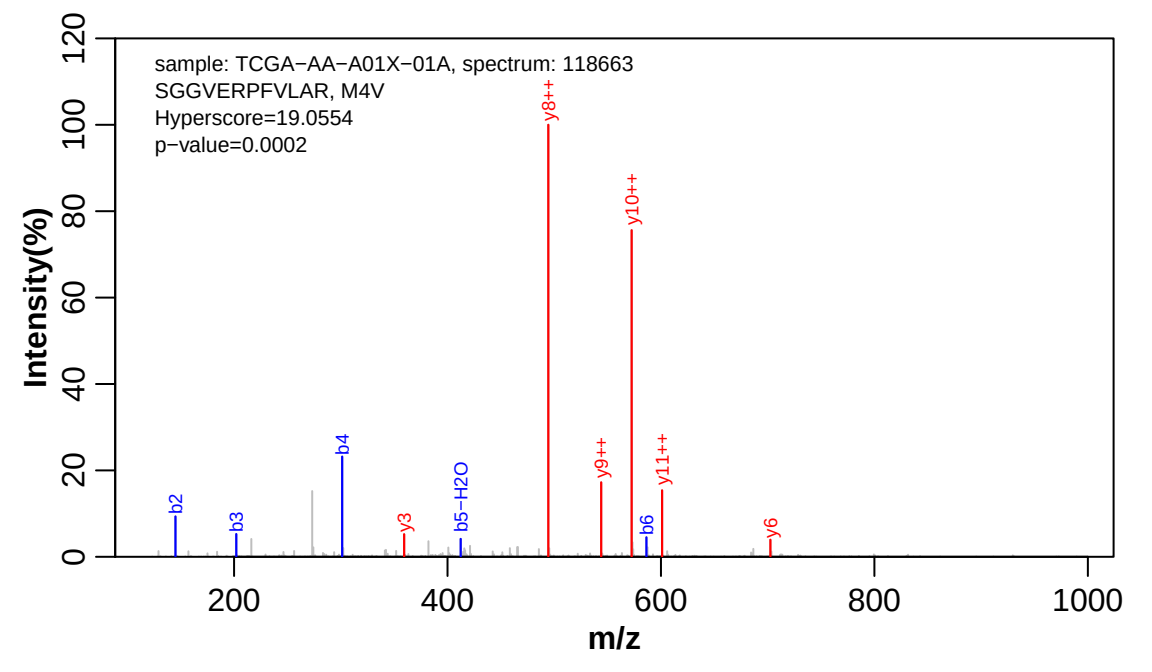

sample: TCGA−AA−A01X−01A, spectrum: 23054
NPLLDLAAYDQEGR, R3L
Hyperscore=59.6154
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y6
y8
y10
y11
y5
b8
b7
b7−NH3
b9
y9
b10
y10−H2O
b11
b12
y12
b13
y4
b4
b4−NH3
b5−H2O
b5
y3
b3
b3−NH3

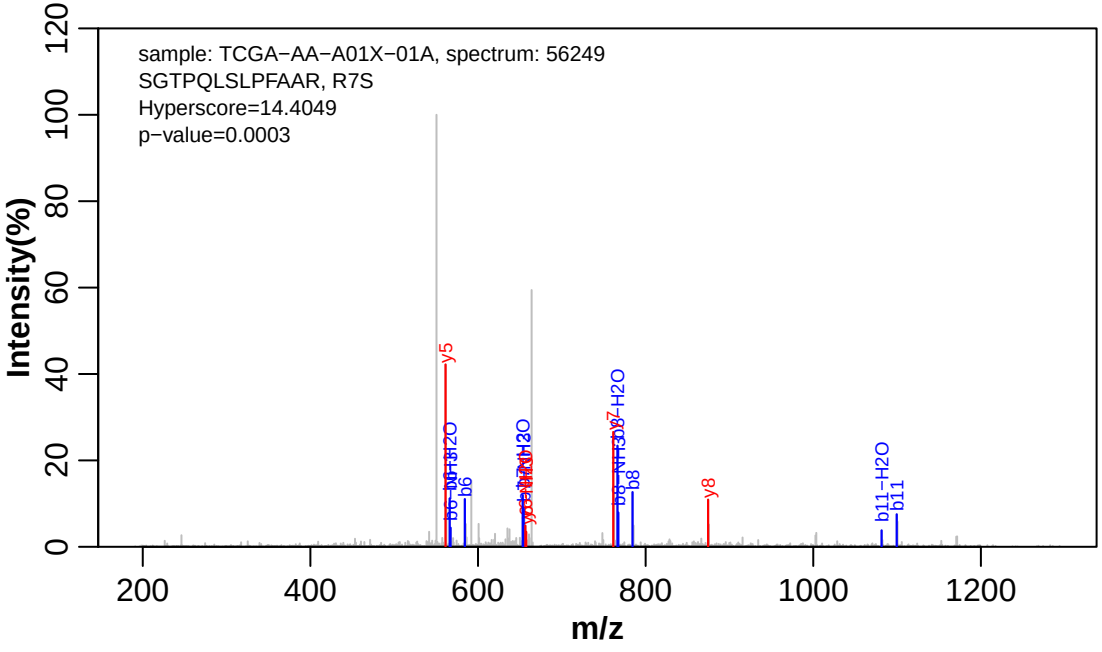

sample: TCGA−AA−A01X−01A, spectrum: 9064
NSTLSEPGSGR, P4L
Hyperscore=26.9012
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
b4−H2O
b4−NH3
b4
y5
b5
y7
y6
b6−H2O
b6
y8
y9

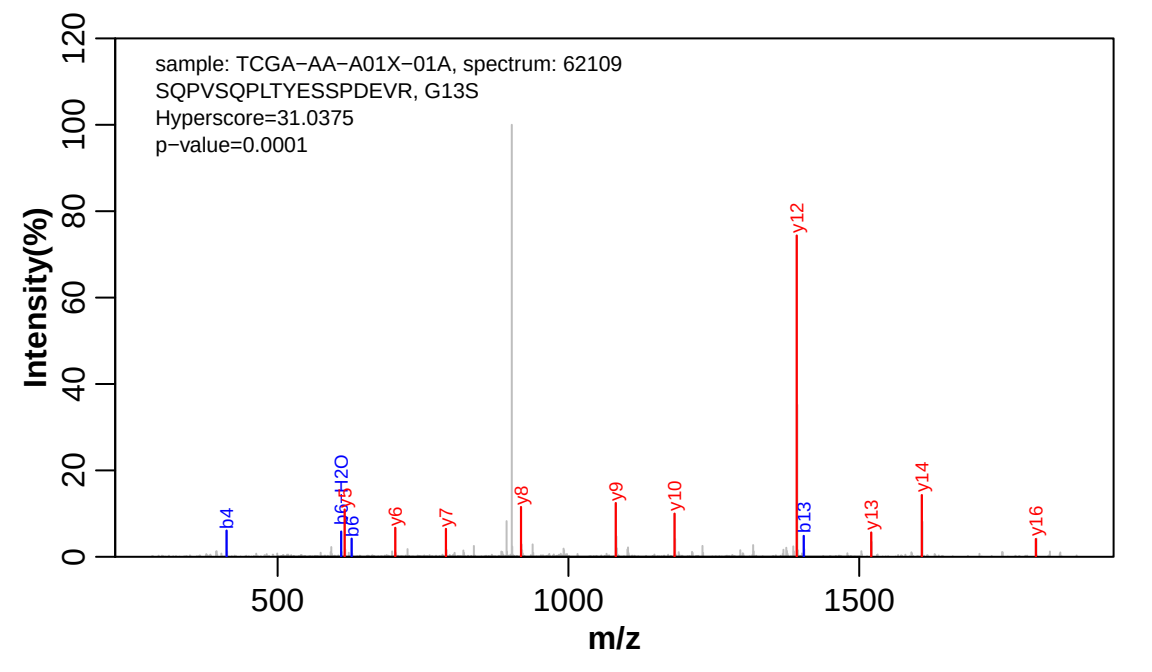

sample: TCGA−AA−A01X−01A, spectrum: 78483
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=51.5537
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y6
b14++
b23+++
b17++
b18++−H2O
b19++
b20++
y11
b24+++

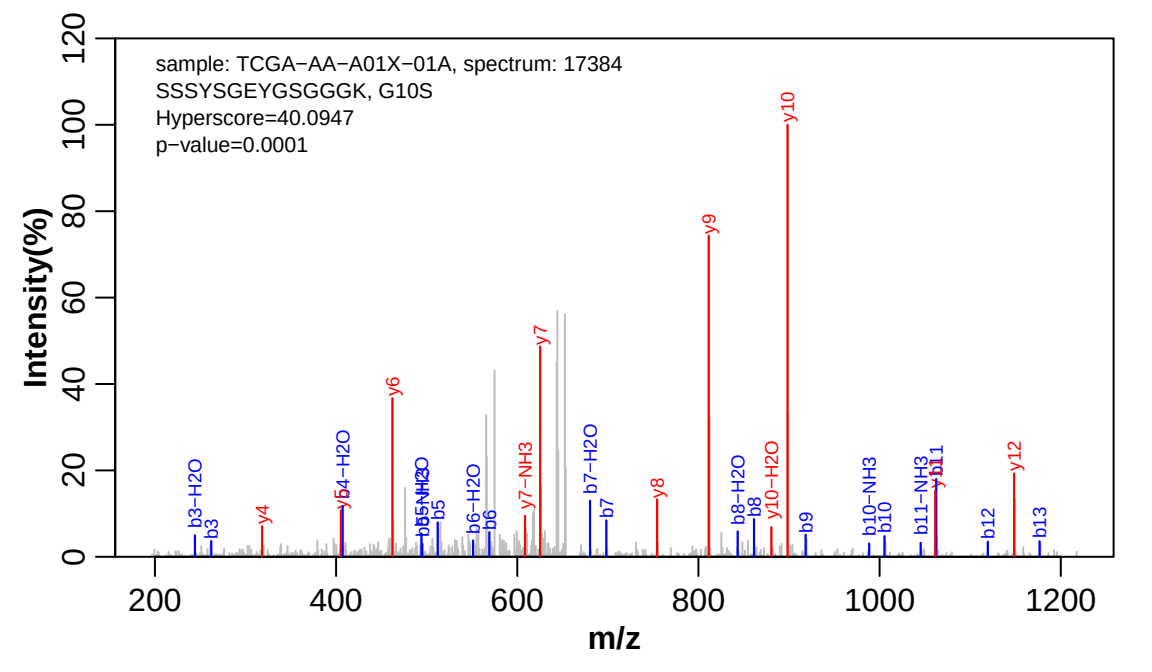

sample: TCGA−AA−A01X−01A, spectrum: 92396
RGDLFYTSK, E2G
Hyperscore=26.2797
p−value=0.0001
Intensity(%)
m/z
y2−H2O
y2
b3
y3
b4
y4
b5
y5
b6
y6
b7
b8

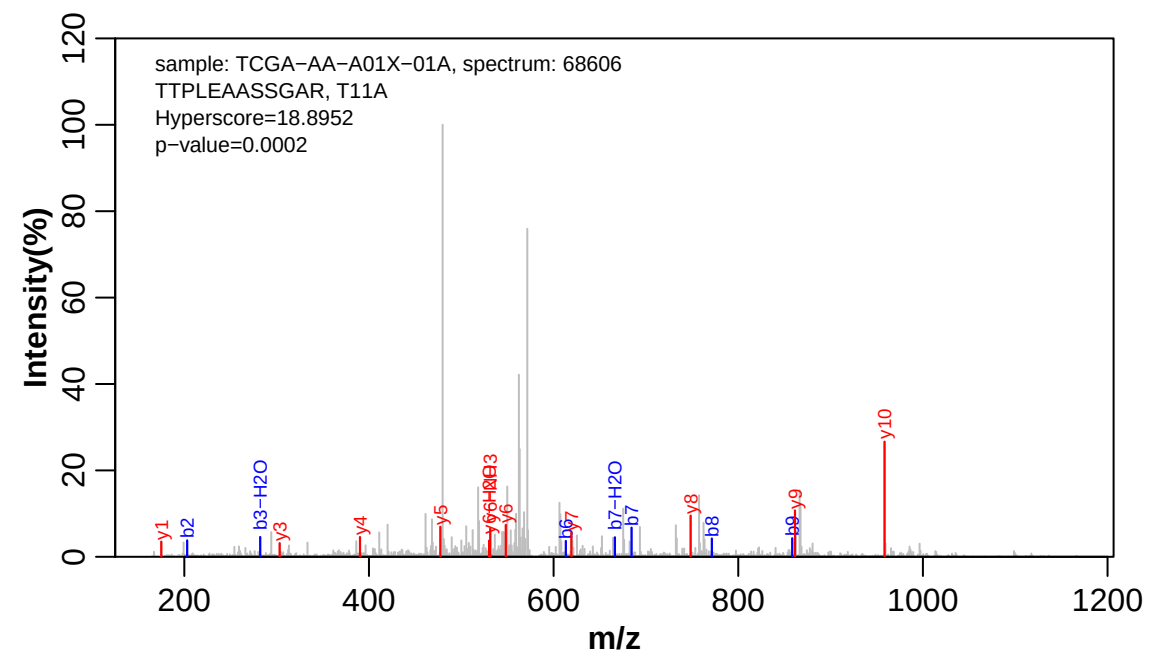

sample: TCGA−AA−A01X−01A, spectrum: 112558
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7504
p−value=0.0001
y15++
y16++
y14++
y13++
y12++
b3
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

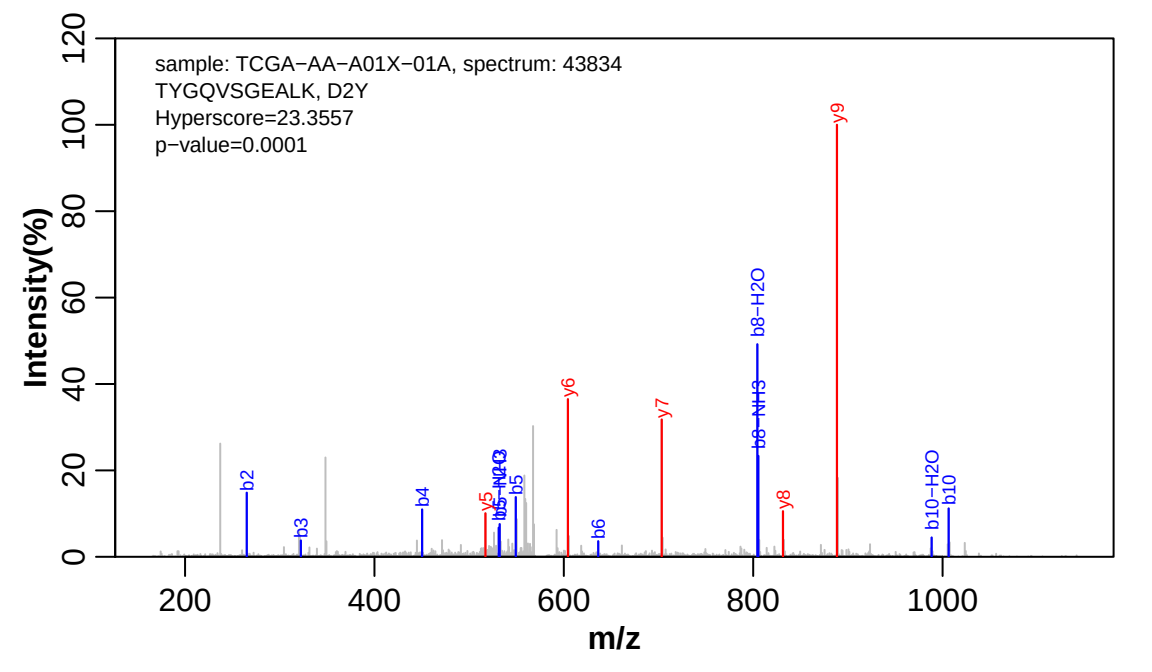

sample: TCGA−AA−A01X−01A, spectrum: 118663
SGGVERPFVLAR, M4V
Hyperscore=19.0554
p−value=0.0002
Intensity(%)
m/z
b2
b3
b4
y3
b5−H2O
y8++
y9++
y10++
y11++
b6
y6

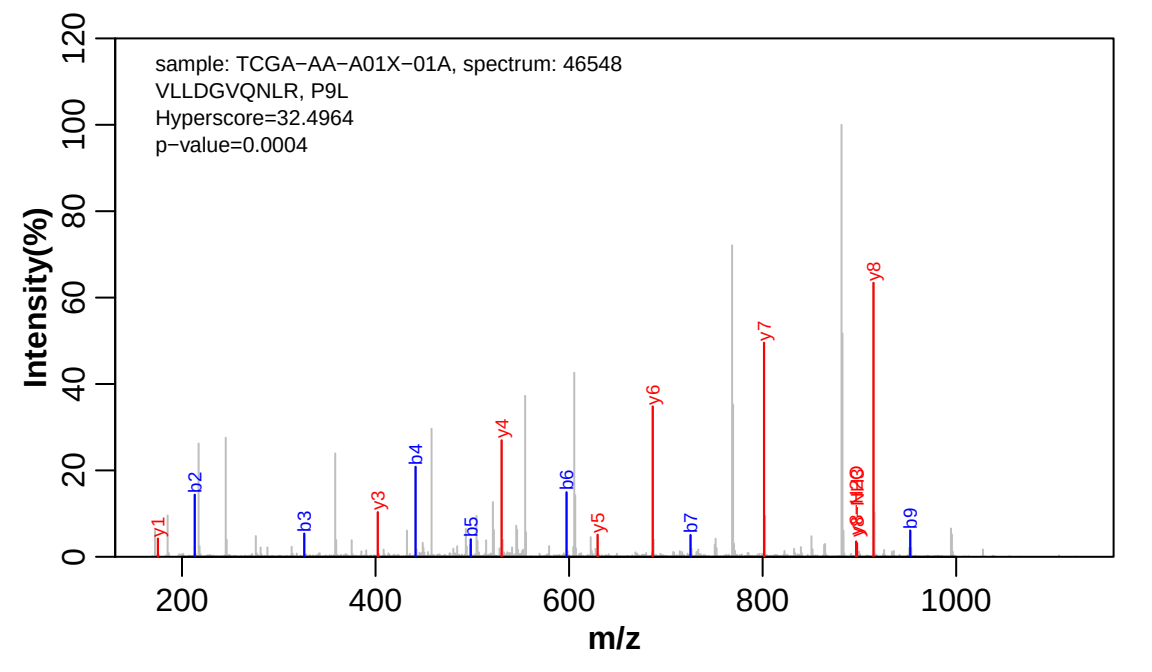

sample: TCGA−AA−A01X−01A, spectrum: 56249
SGTPQLSLPFAAR, R7S
Hyperscore=14.4049
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
y5
b6
y8
b8
b11
b11−H2O

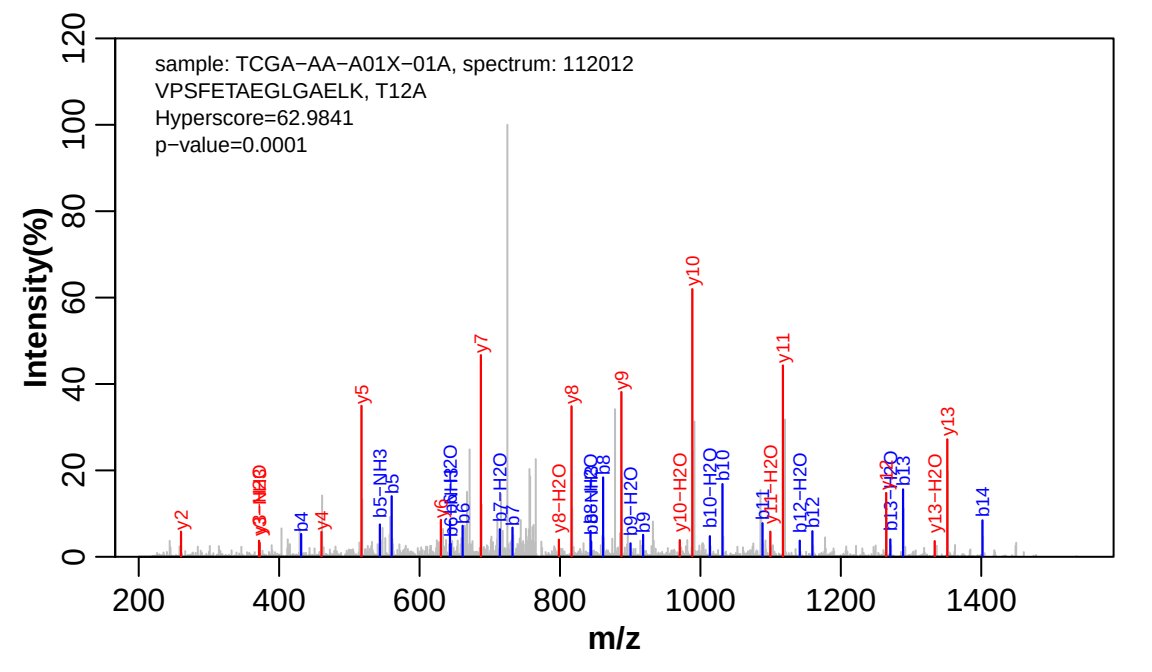

sample: TCGA−AA−A01X−01A, spectrum: 62109
SQPVSQPLTYESSPDEVR, G13S
Hyperscore=31.0375
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
b6-H2O
b6
y6
y7
y8
y9
y10
y12
b13
y13
y14
y16

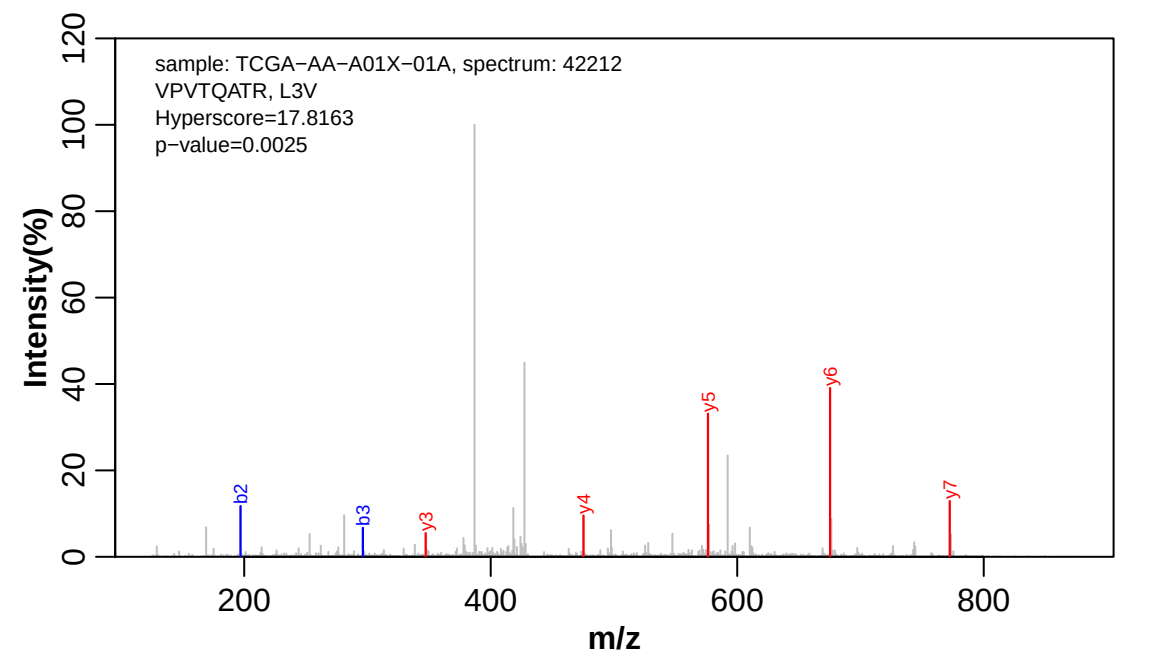

sample: TCGA−AA−A01X−01A, spectrum: 17384
SSSYSGEYGSGGGK, G10S
Hyperscore=40.0947
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
y4
y5
y4−H2O
y6
b5−NH3
b5−H2O
b5
b6−H2O
b6
y7
y7−NH3
b7−H2O
b7
y8
y9
b8−H2O
b8
y10−H2O
y10
b9
b10−NH3
b10
b11−NH3
y11
b12
y12
b13

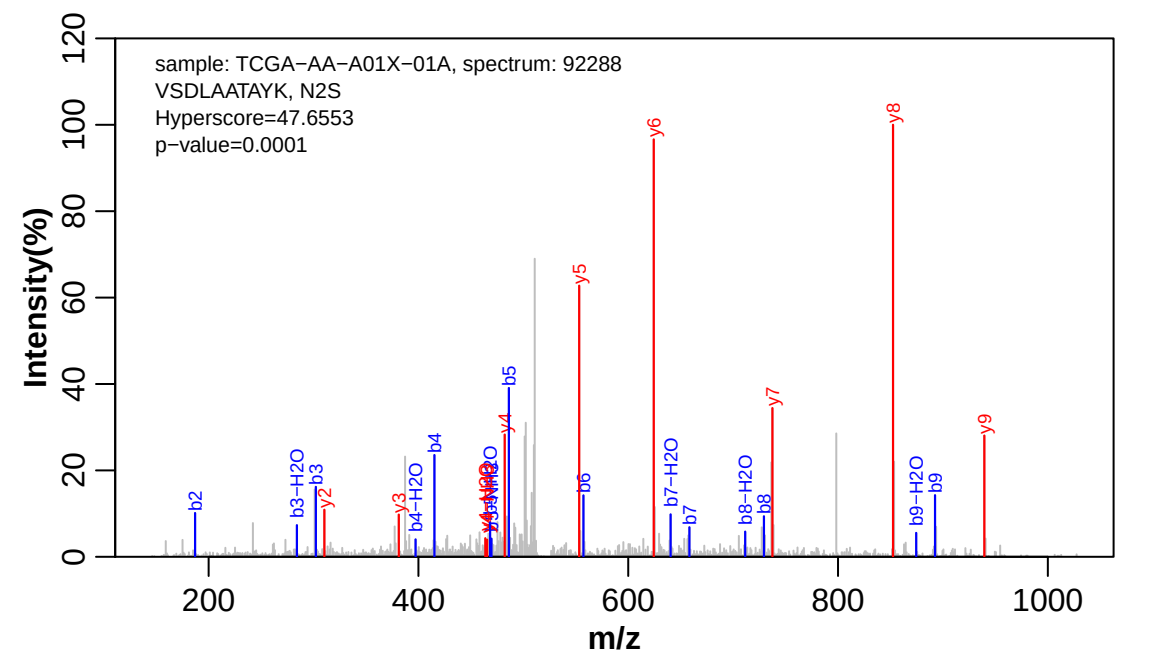

sample: TCGA−AA−A01X−01A, spectrum: 68606
TTPLEAASSGAR, T11A
Hyperscore=18.8952
p−value=0.0002
Intensity(%)
m/z
y1
b2
b3−H2O
y3
y4
y5
y6
b6
y7
b7−H2O
b7
y8
b8
b9
y9
y10

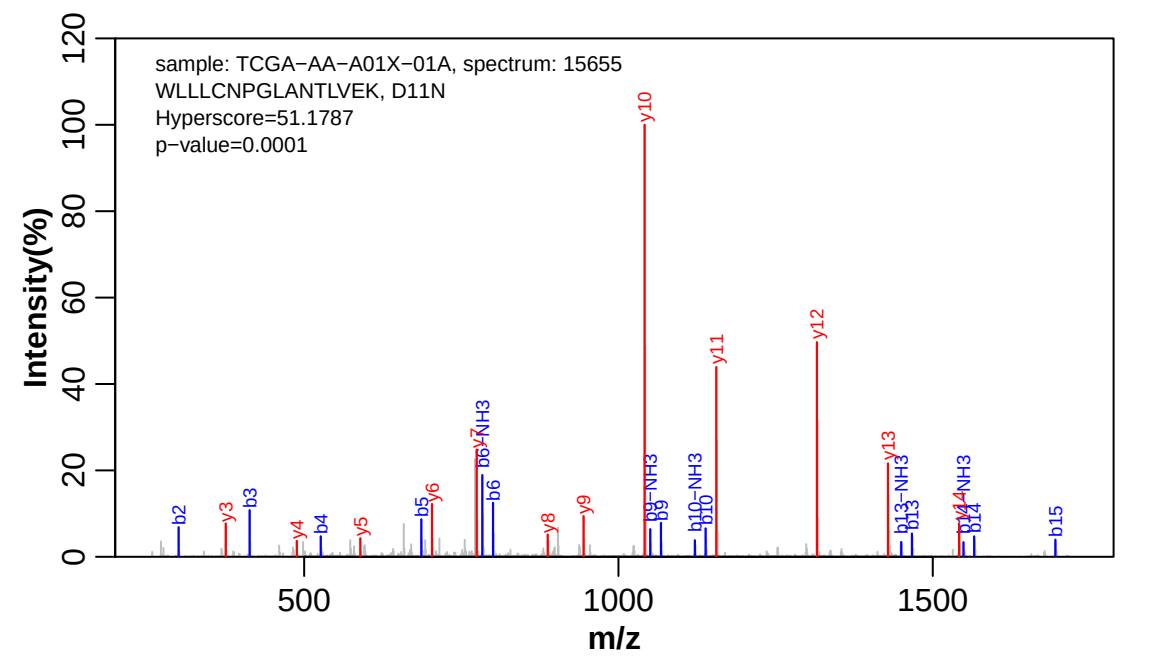

sample: TCGA−AA−A01X−01A, spectrum: 43834
TYGQVSGEALK, D2Y
Hyperscore=23.3557
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
b4
y5
b5
y6
b6
y7
b8−H2O
b8−NH3
y8
y9
b10−H2O
b10

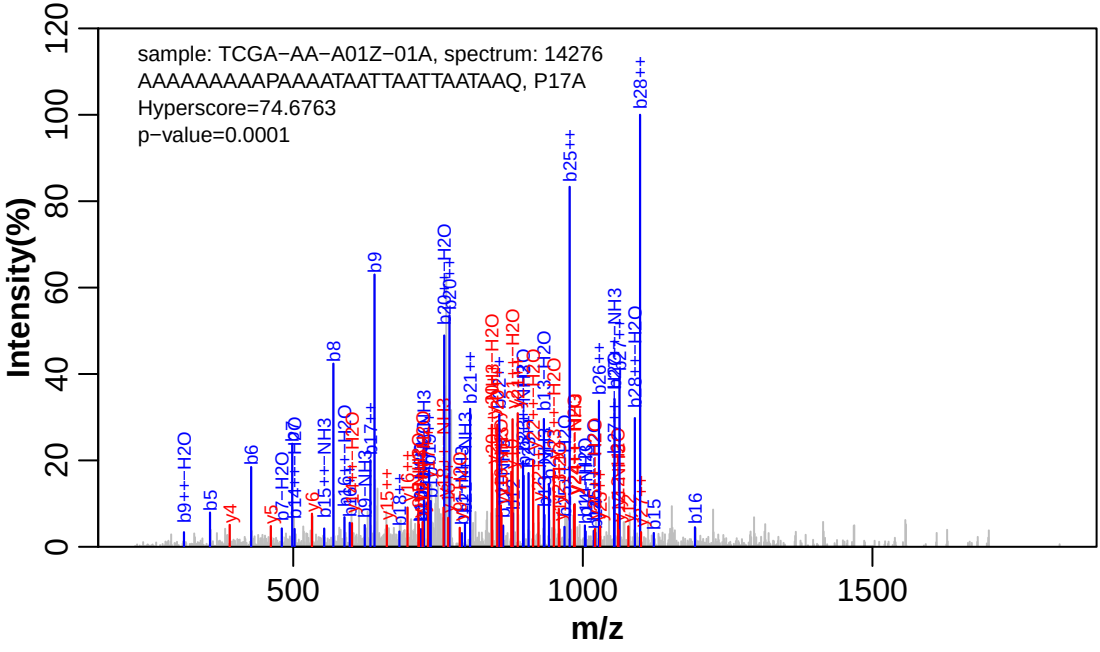

sample: TCGA−AA−A01X−01A, spectrum: 46548
VLLDGVQNLR, P9L
Hyperscore=32.4964
p−value=0.0004
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y1
b2
b3
y3
b4
b5
y4
b6
y5
y6
b7
y7
y8
b9

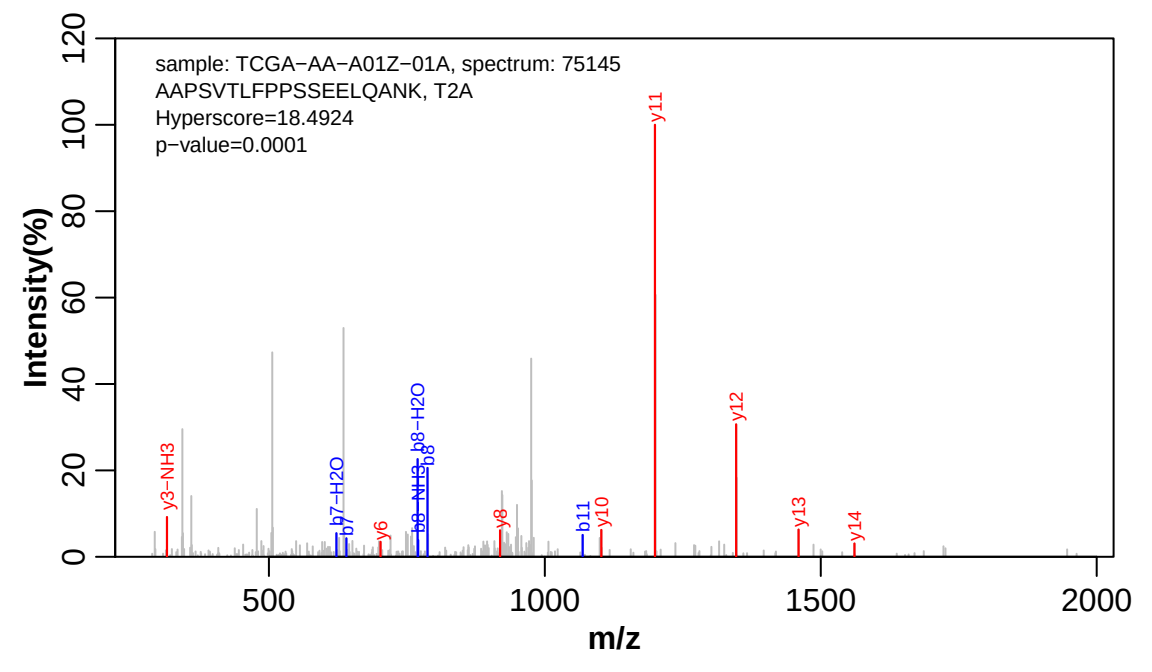

sample: TCGA−AA−A01X−01A, spectrum: 112012
VPSFETAEGLGAELK, T12A
Hyperscore=62.9841
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4
y4
b5−NH3
b5
y5
y6
b6−NH3
b6−H2O
b6
b8
y7
b7−H2O
b7
y8−H2O
y8
b8−NH3
b8
b9−H2O
b9
y9
y10−H2O
y10
b10−H2O
b10
y11−H2O
y11
b12−H2O
b12
b13−H2O
b13
y13−H2O
y13
b14

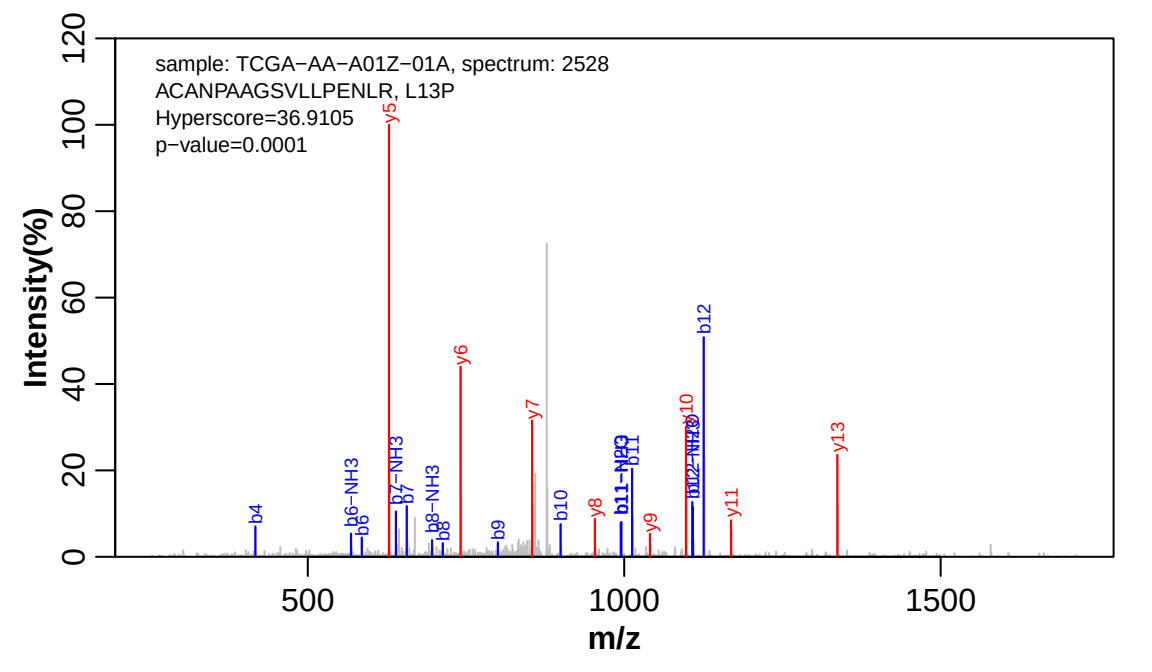

sample: TCGA−AA−A01X−01A, spectrum: 42212
VPVTQATR, L3V
Hyperscore=17.8163
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3
y4
y5
y6
y7

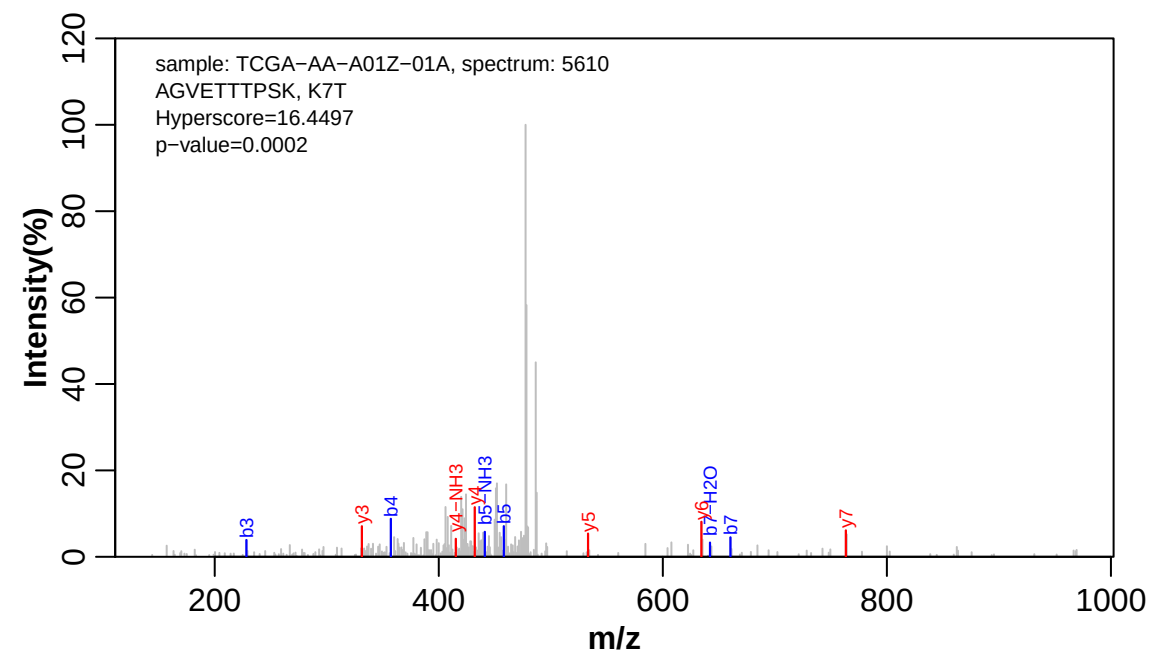

sample: TCGA−AA−A01X−01A, spectrum: 92288
VSDLAATAYK, N2S
Hyperscore=47.6553
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4−H2O
b4
b5
y4
b6
y5
b7−H2O
b7
y6
b8−H2O
b8
y7
b9−H2O
b9
y8
y9

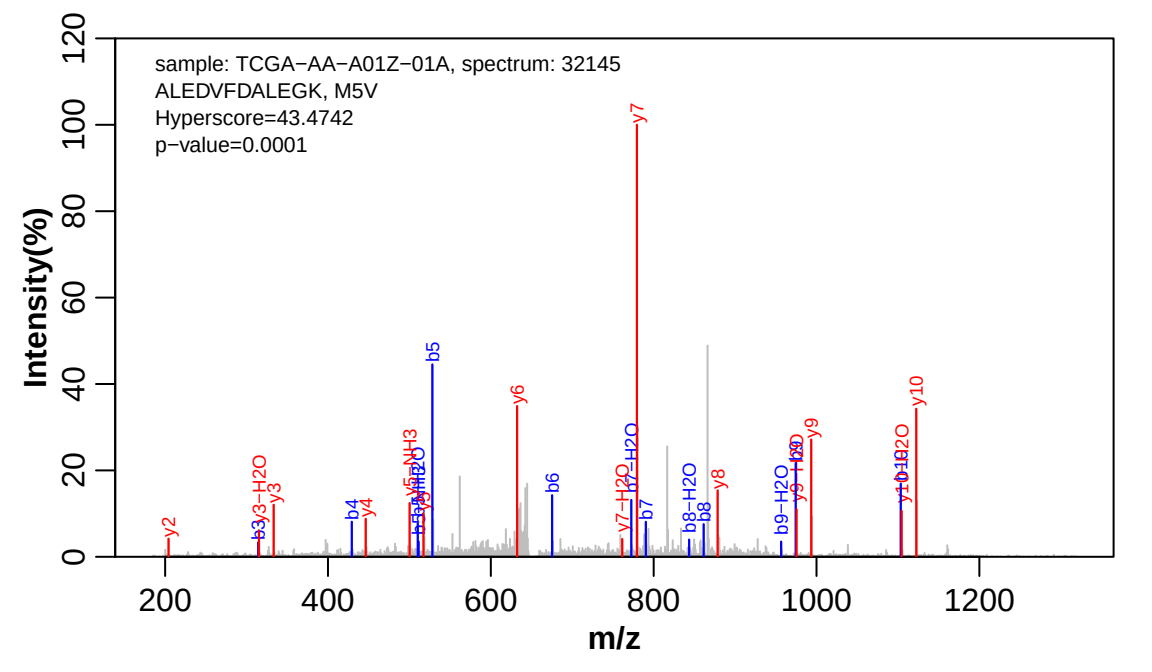

sample: TCGA−AA−A01X−01A, spectrum: 15655
WLLLCNPGLANTLVEK, D11N
Hyperscore=51.1787
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
y3
b3
y4
b4
y5
b5
y6
b6
y7
b6−NH3
y8
y9
b9
b9−NH3
y10
b10
b10−NH3
y11
y12
b13
b13−NH3
y13
b14
b14−NH3
y14
b15

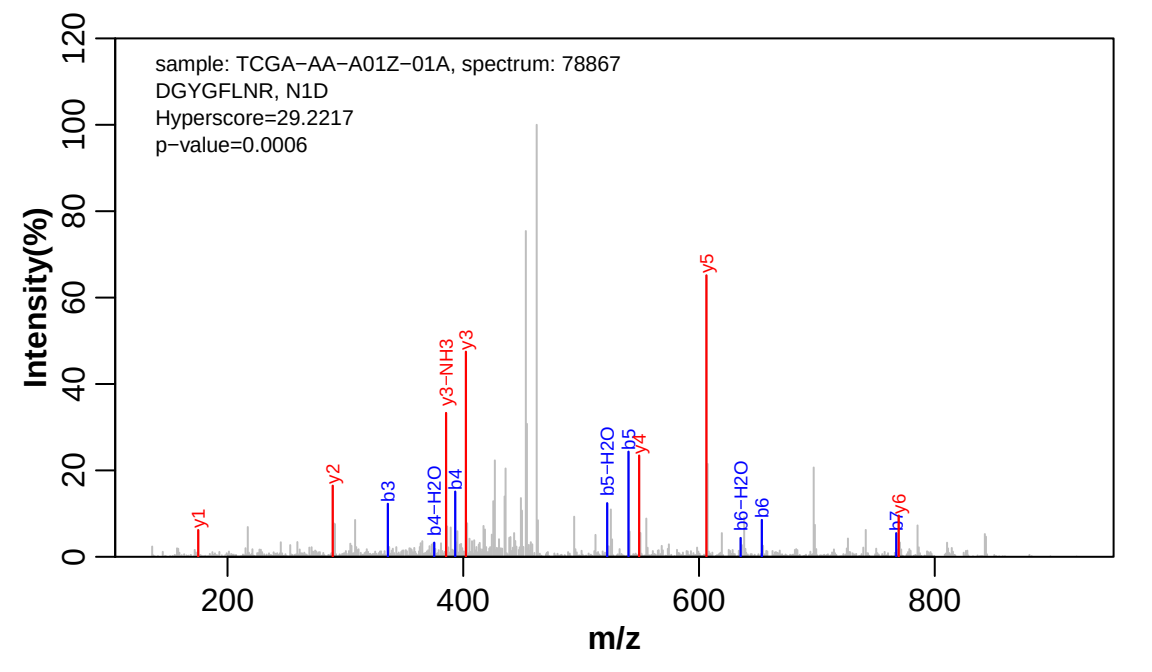

sample: TCGA−AA−A01Z−01A, spectrum: 14276
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=74.6763
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b25++
b9
b8
b6
b5
y4
b16
b15
b9++−H2O
b9−NH3
b9++−NH3
b9++−H2O
b8++−H2O
b8++−NH3
b30++−H2O
b30++
b21++
b28++−H2O
b28++−NH3
b26++
y15++
y6
y5
b7−H2O
b7−NH3
b14++−H2O
b17++
b18++

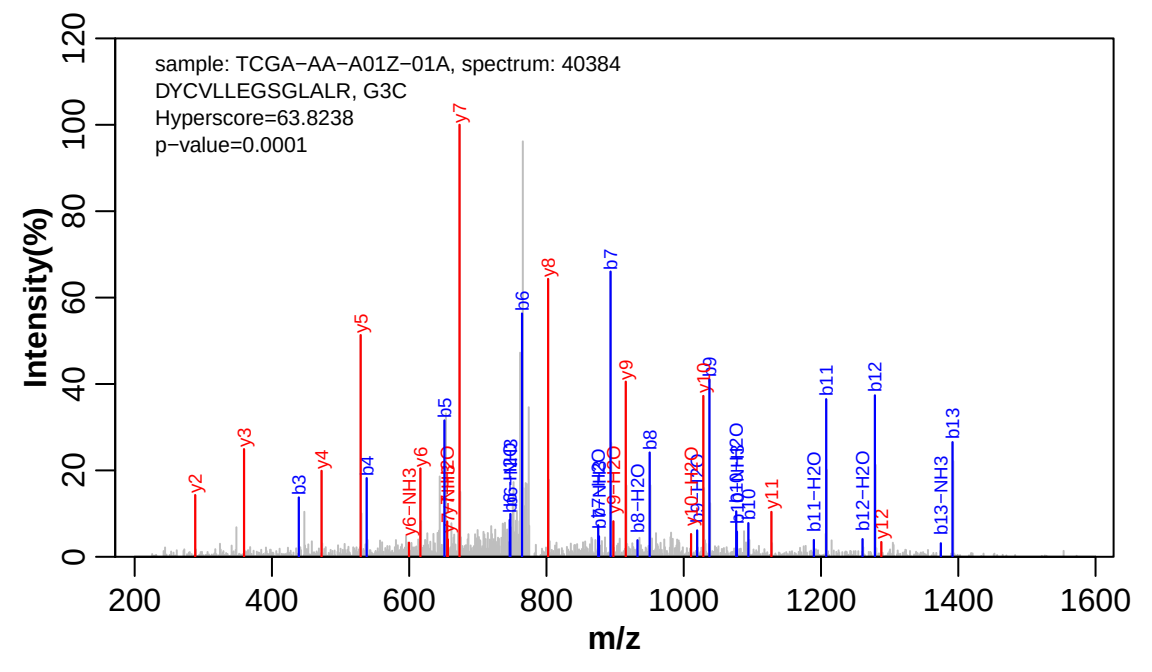

sample: TCGA−AA−A01Z−01A, spectrum: 75145
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=18.4924
p−value=0.0001
Intensity(%)
m/z
y11
y12
y13
y14
y10
b11
y8
b8
b8−NH3
b8−H2O
b7
b7−H2O
y6
y3−NH3

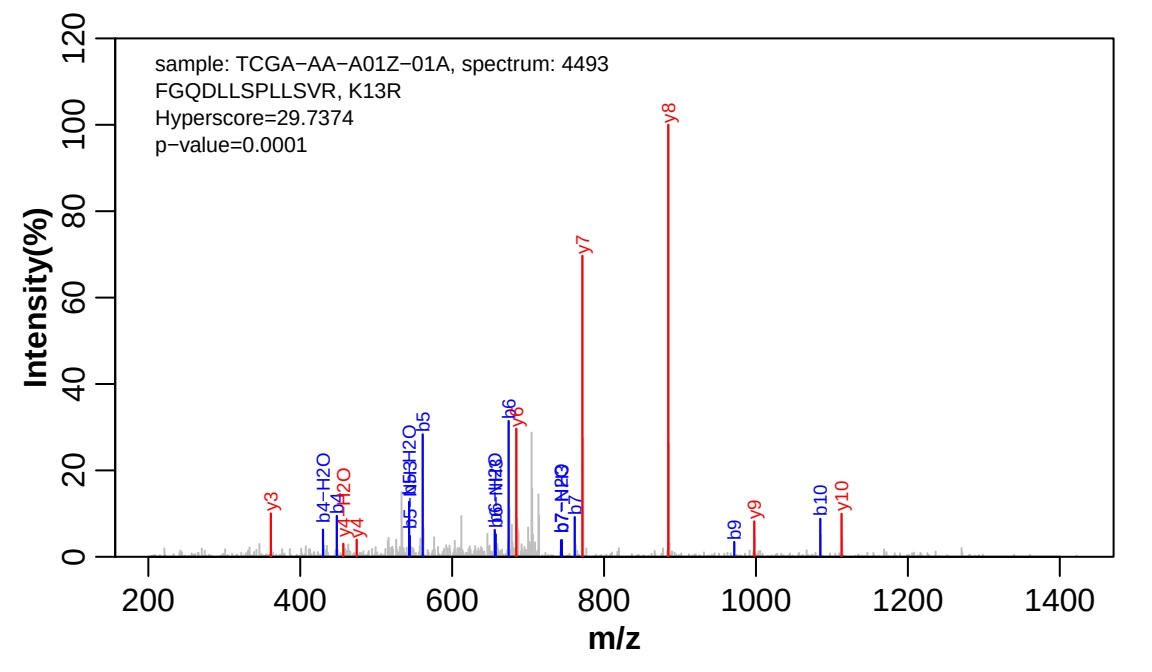

sample: TCGA−AA−A01Z−01A, spectrum: 2528
ACANPAAGSVLLPENLR, L13P
Hyperscore=36.9105
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
y6
y7
b12
y10
y13
b4
b6−NH3
b6
b7−NH3
b7
b8−NH3
b8
b9
b10
y8
b11−NH3
b11
y9
y11

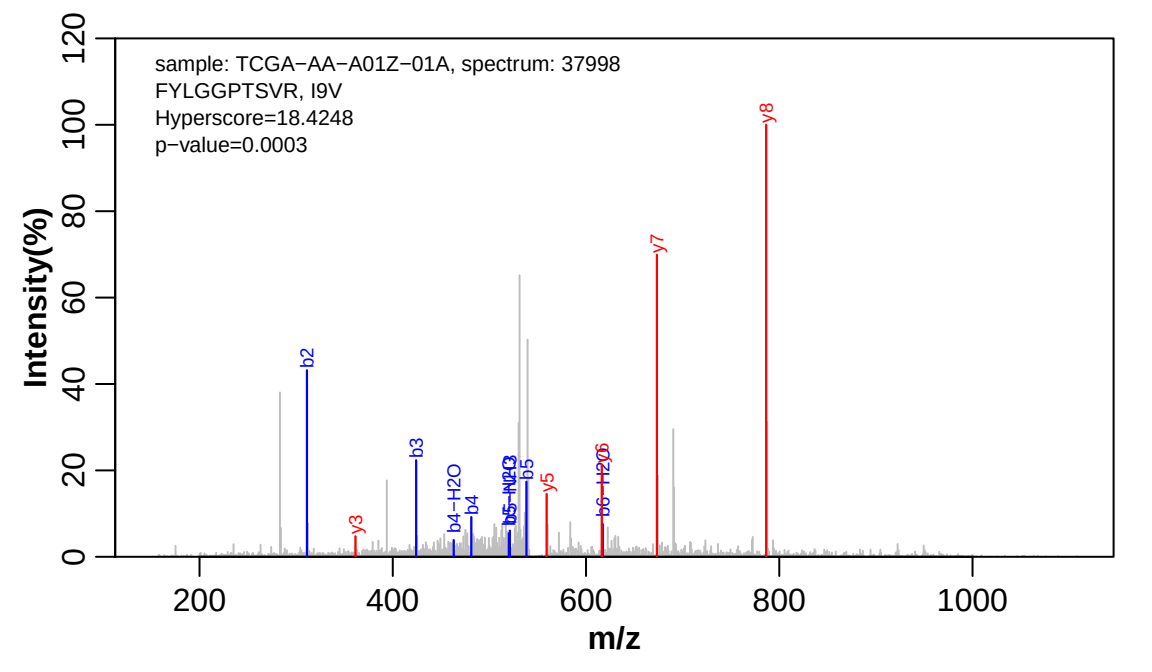

sample: TCGA−AA−A01Z−01A, spectrum: 5610
AGVETTTPSK, K7T
Hyperscore=16.4497
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4−NH3
y4
b5−NH3
b5
y5
b7−H2O
y6
b7
y7

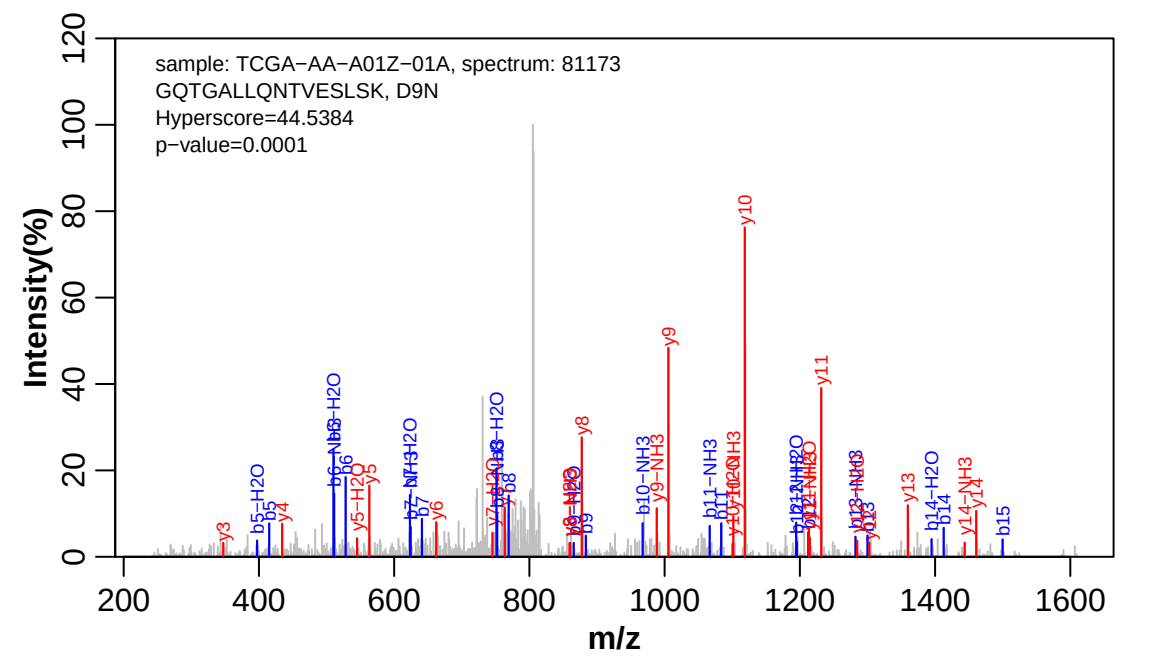

sample: TCGA−AA−A01Z−01A, spectrum: 32145
ALEDVFDALEGK, M5V
Hyperscore=43.4742
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4
y4
b5
y6
b6
y7
y7−H2O
b7−H2O
b7
b8−H2O
b8
y8
b9−H2O
y9
y10
y10−H2O

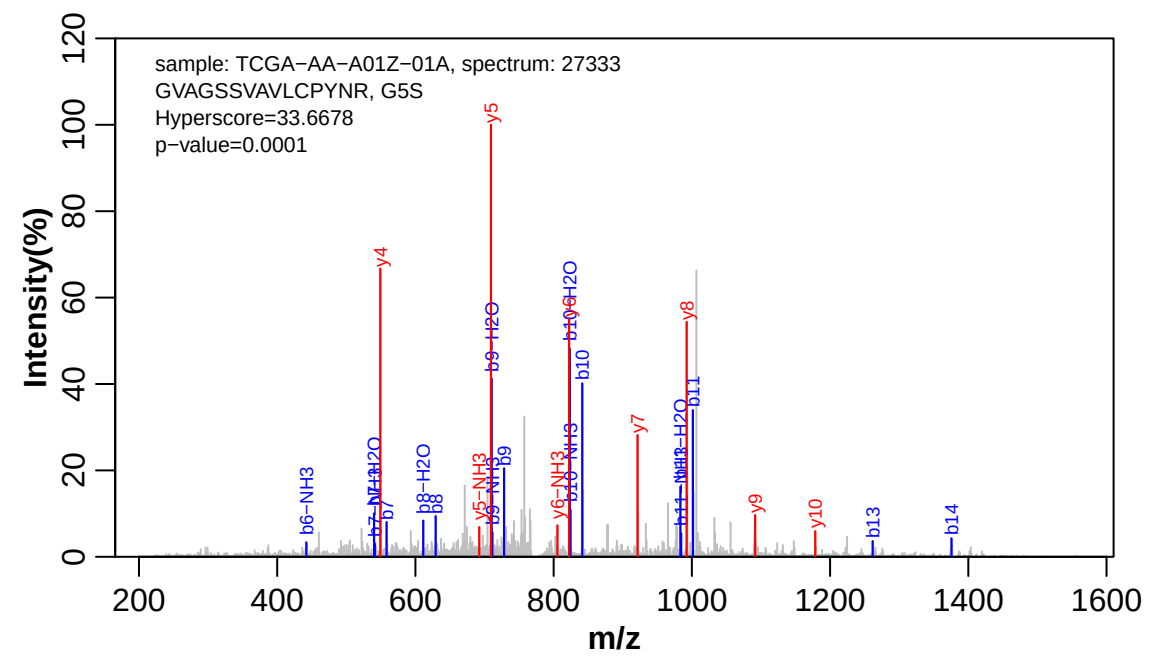

sample: TCGA−AA−A01Z−01A, spectrum: 78867
DGYGFLNR, N1D
Hyperscore=29.2217
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
y2
b3
b4−H2O
b4
y3−NH3
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

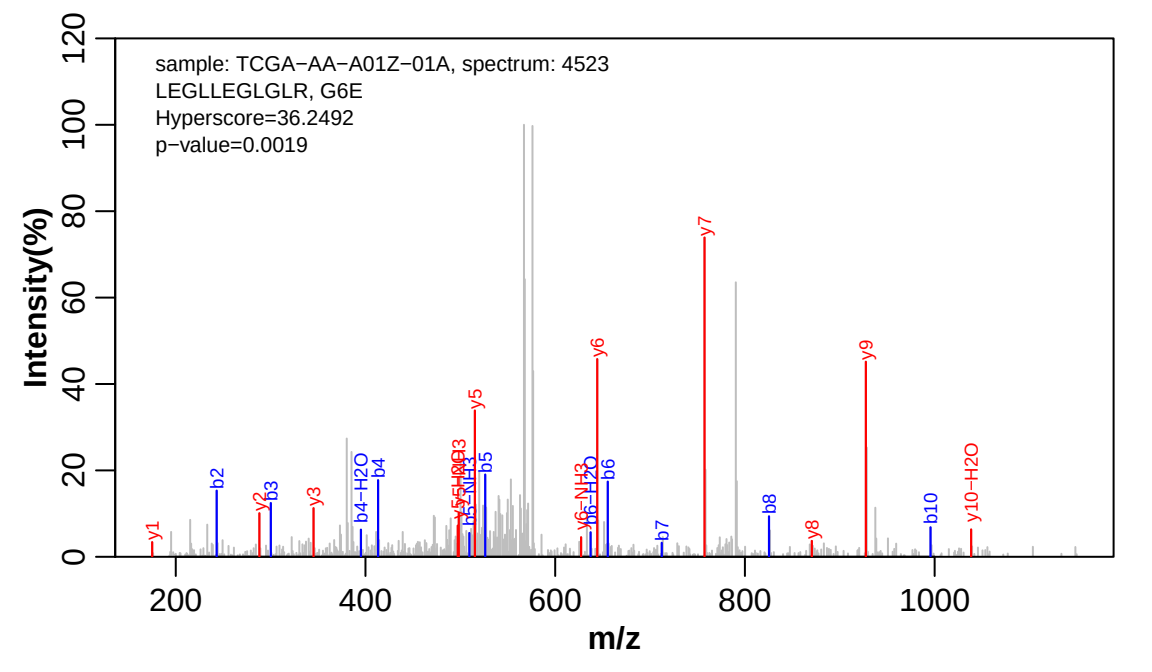

sample: TCGA−AA−A01Z−01A, spectrum: 40384
DYCVLLEGSGLALR, G3C
Hyperscore=63.8238
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b3
y4
b4
y5
y6−NH3
y6
b5
y7
b6
y8
b7
y9
b8−H2O
b8
y10
b9
b11
b12
b13
y11
b11−H2O
b12−H2O
y12
b13−NH3

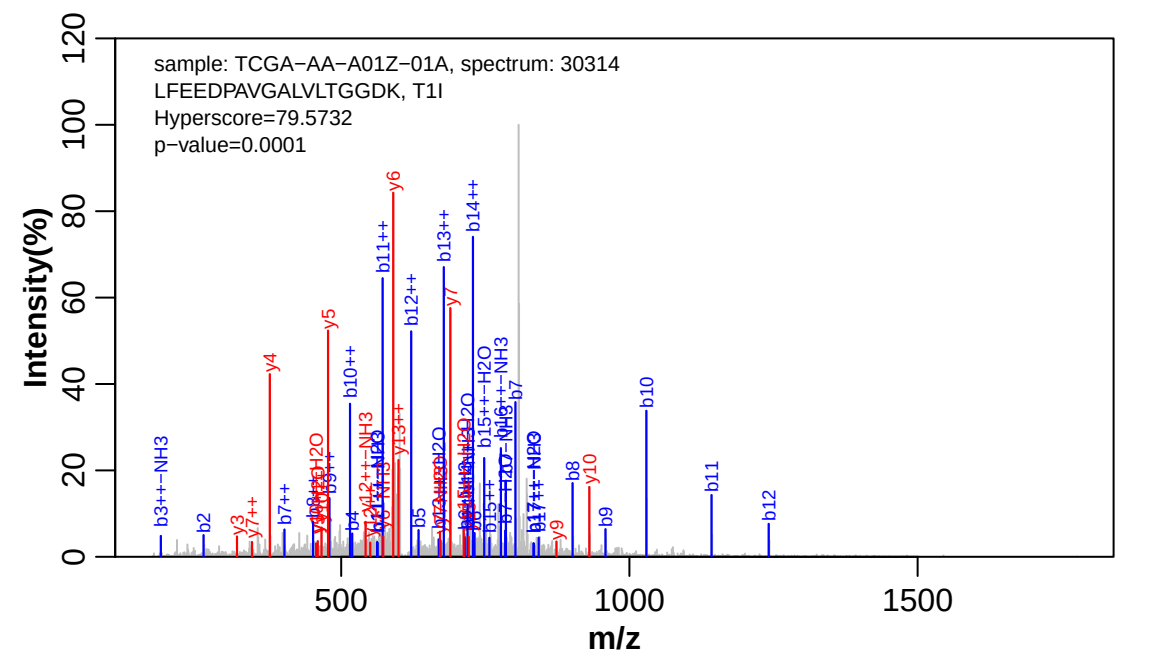

sample: TCGA−AA−A01Z−01A, spectrum: 4493
FGQDLLSPLLSVR, K13R
Hyperscore=29.7374
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b4−H2O
y4
b4
y4−H2O
b5
b5−NH3
b5−H2O
y6
b6
b6−NH3
b6−H2O
b7−NH3
b7−H2O
b7
y8
y7
b9
y9
b10
y10

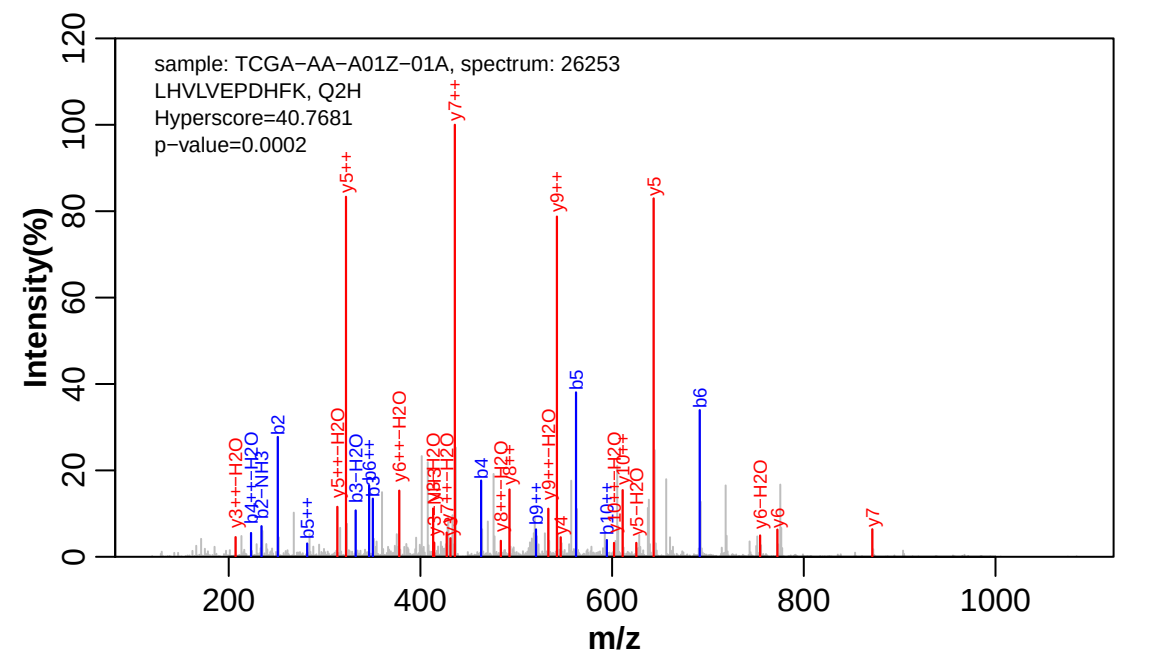

sample: TCGA−AA−A01Z−01A, spectrum: 37998
FYLGGPTSVR, I9V
Hyperscore=18.4248
p−value=0.0003
Intensity(%)
m/z
y8
y7
b2
b3
y5
y3
b4
b4−H2O
b5
b6−H2O
0
20
40
60
80
100
120
200
400
600
800
1000

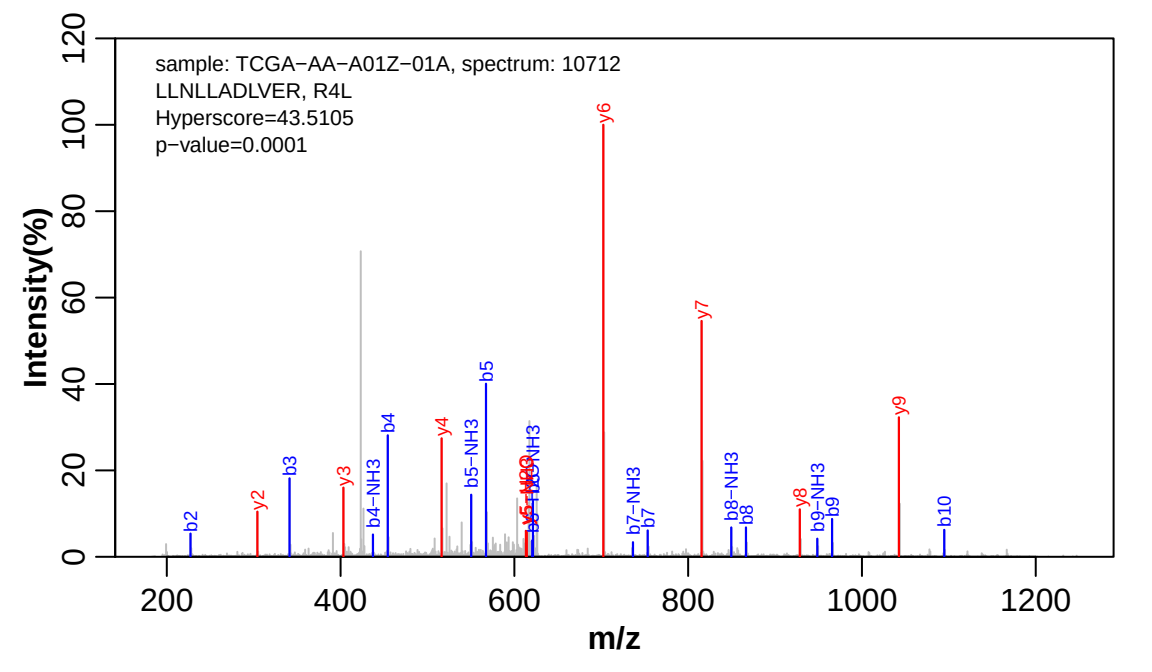

sample: TCGA−AA−A01Z−01A, spectrum: 81173
GQTGALLQNTVESLSK, D9N
Hyperscore=44.5384
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
b5−H2O
b5
y4
b6−NH3
b6−H2O
b6
y5−H2O
y5
b7−NH3
b7−H2O
b7
y6
y7−H2O
y7−NH3
y7
b8
y8
b9
b10−NH3
y9−NH3
y9
b11−NH3
b11
y10−H2O
y10−NH3
y10
y11
y13
b14−H2O
b14
y14−NH3
y14
b15

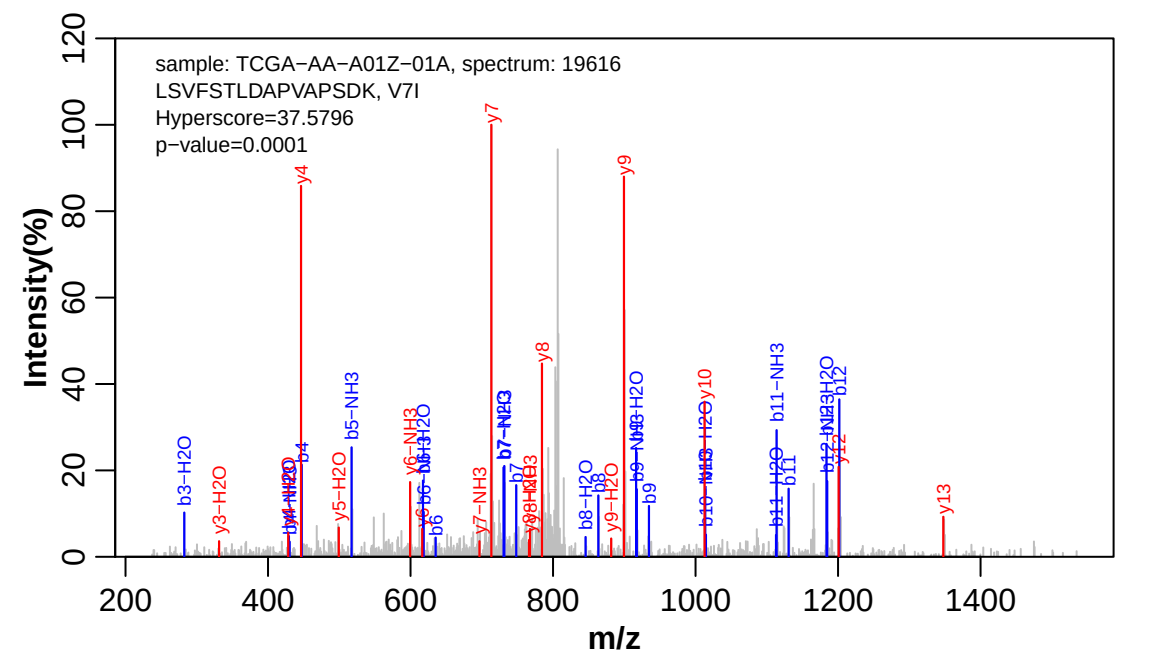

sample: TCGA−AA−A01Z−01A, spectrum: 27333
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.6678
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y4
y8
y7
y9
y10
b13
b14
b6−NH3
b8−H2O
b9−H2O
b10−H2O
b10
b11
b9
y5−NH3
y6−NH3

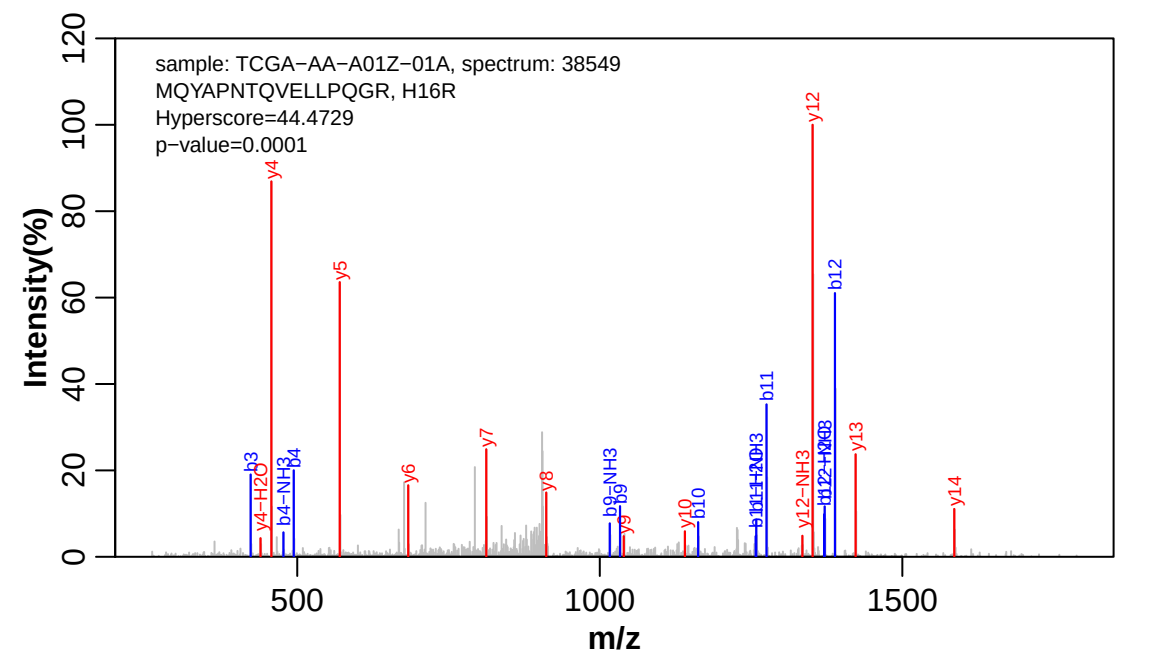

sample: TCGA−AA−A01Z−01A, spectrum: 4523
LEGLLEGLGLR, G6E
Hyperscore=36.2492
p−value=0.0019
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3
y3
b4−H2O
b4
y5
b5
y6
b6
y7
b7
b8
y8
y9
b10
y10−H2O

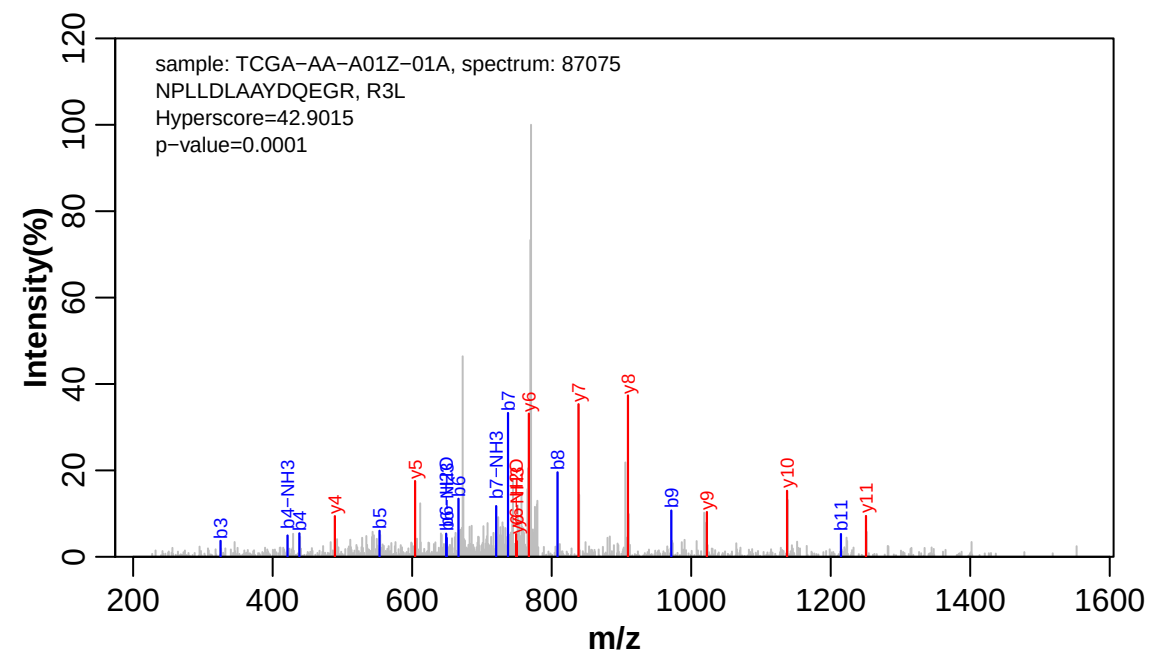

sample: TCGA−AA−A01Z−01A, spectrum: 30314
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=79.5732
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3++−NH3
b2
y3
y7++
b7++
y4
y5
b10++
b11++
b12++
y6
b13++
y7
b14++
b15++−H2O
b15++−NH3
b7
b10
b8
y10
b11
b12
b9
y9

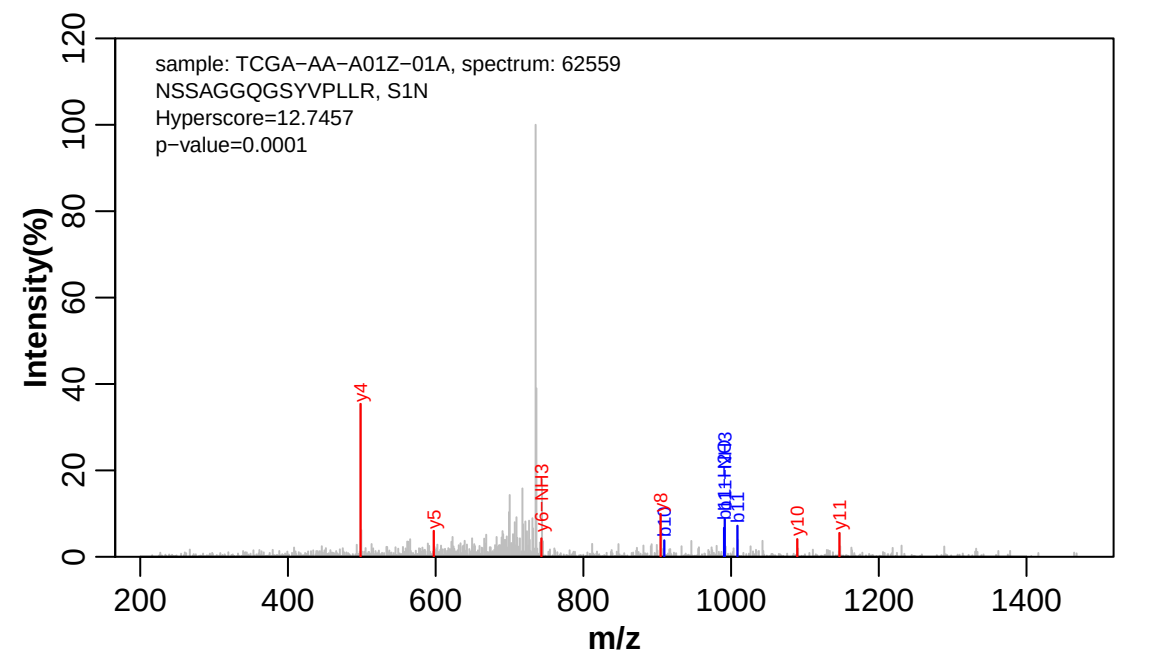

sample: TCGA−AA−A01Z−01A, spectrum: 26253
LHVLVEPDHFK, Q2H
Hyperscore=40.7681
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y7++
y5++
y9++
y5
b5
b6
b2
y6++−H2O
y5++−H2O
y9++−H2O
y3++−H2O
b4
y8++
y7
y6−H2O
y6
y5−H2O
b5++
b9++
y4
b3−H2O
b6++

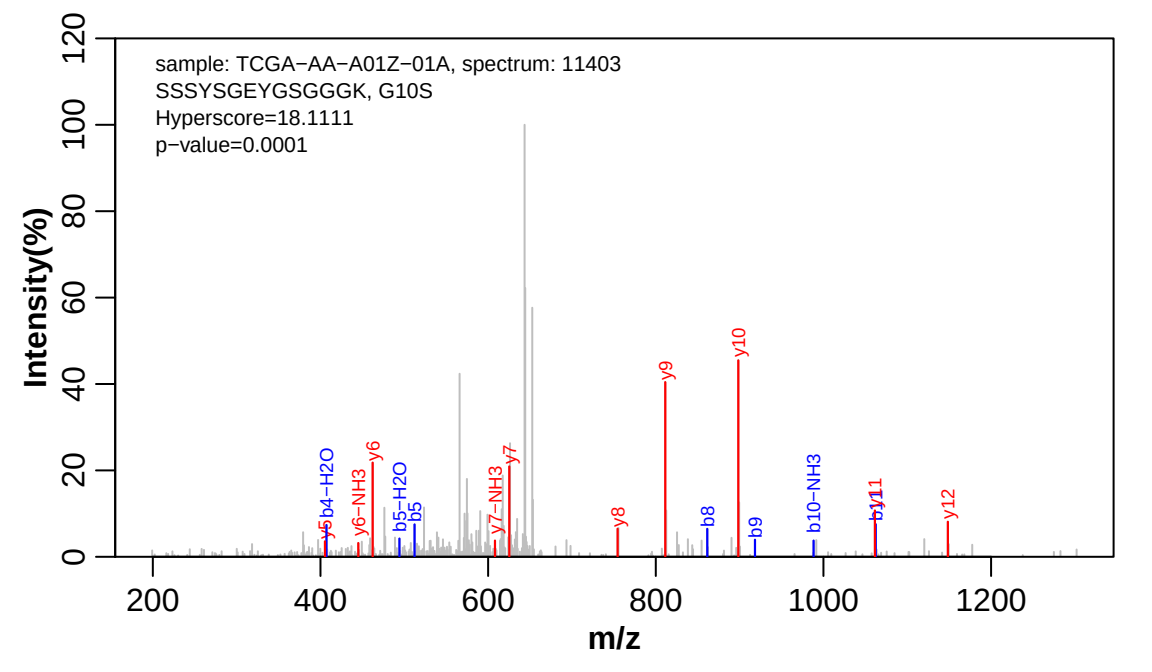

sample: TCGA−AA−A01Z−01A, spectrum: 10712
LLNLLADLVER, R4L
Hyperscore=43.5105
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y4
y3
y2
y8
b5
b4
b3
b2
b10
b5−NH3
b4−NH3
b7−NH3
b8−NH3
b9−NH3
b7
b8
b9

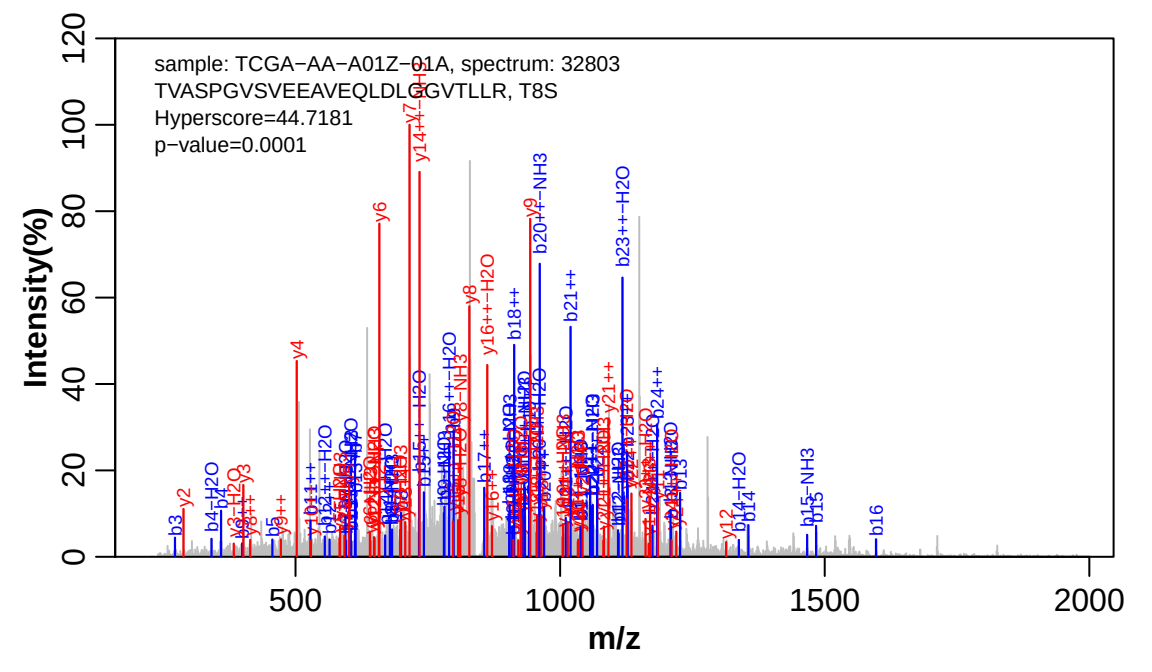

sample: TCGA−AA−A01Z−01A, spectrum: 19616
LSVFSTLDAPVAPSDK, V7I
Hyperscore=37.5796
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y4
y9
y8
y10
y12
y13
b3−H2O
y3−H2O
b4
b5−NH3
y5−H2O
y6−NH3
b6
y7−NH3
b7
b8−H2O
b8
y9−H2O
b9
b10−NH3−H2O
b11−NH3
b11−H2O
b11
b12

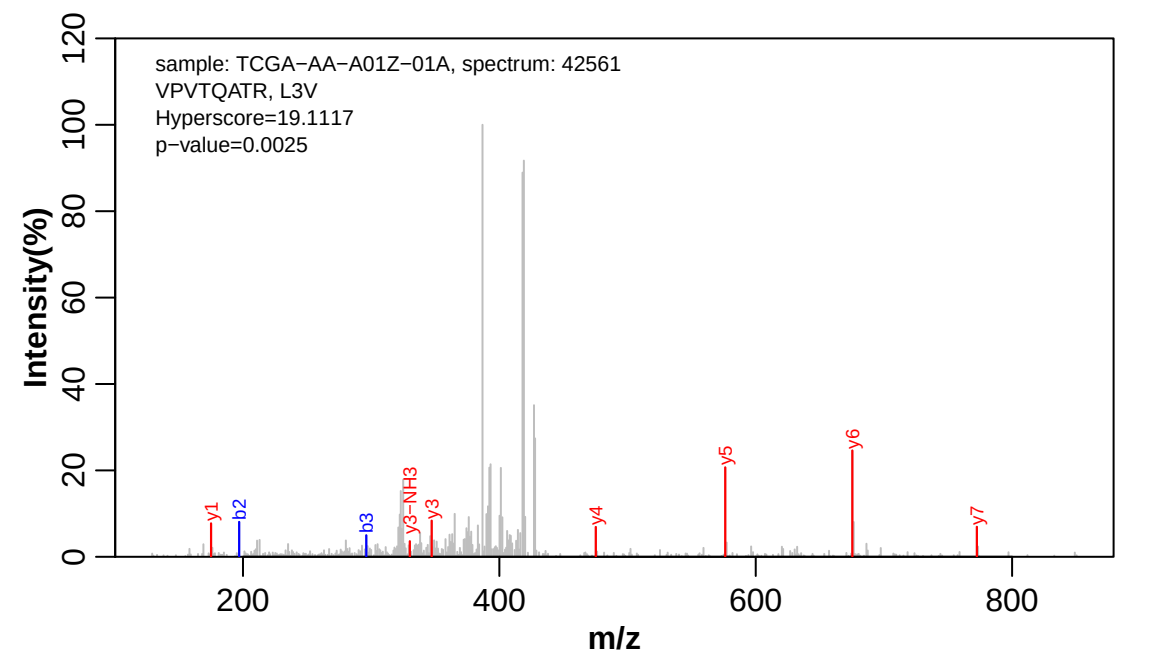

sample: TCGA−AA−A01Z−01A, spectrum: 38549
MQYAPNTQVELLPQGR, H16R
Hyperscore=44.4729
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y8
y9
y10
y12
y13
y14
y12−NH3
b3
y4−H2O
b4
b4−NH3
b9−NH3
b9
b10
b11
b12

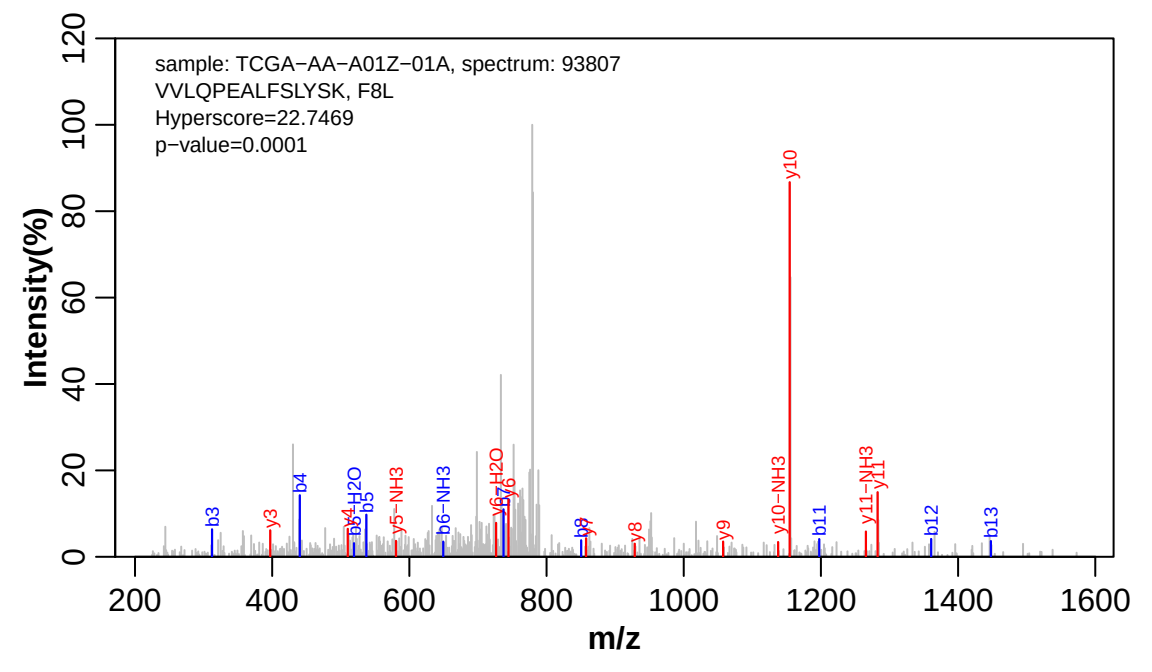

sample: TCGA−AA−A01Z−01A, spectrum: 87075
NPLLDLAAYDQEGR, R3L
Hyperscore=42.9015
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b4−NH3
b4
y4
b5
y5
b6−NH3
b6−H2O
b6
b8
b7−NH3
b7
y6−NH3
y6−H2O
y6
b8
y7
y8
b9
y9
y10
b11
y11

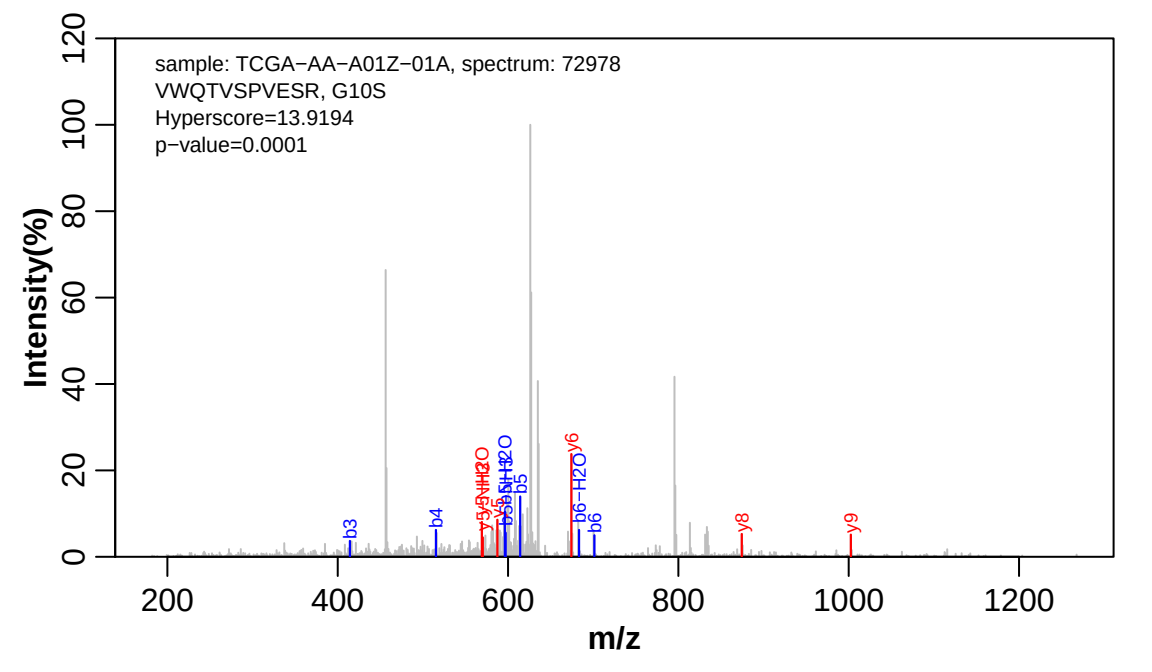

sample: TCGA−AA−A01Z−01A, spectrum: 62559
NSSAGGQGSYVPLLR, S1N
Hyperscore=12.7457
p−value=0.0001
Intensity(%)
m/z
y4
y5
y6−NH3
b10
b11
y10
y11

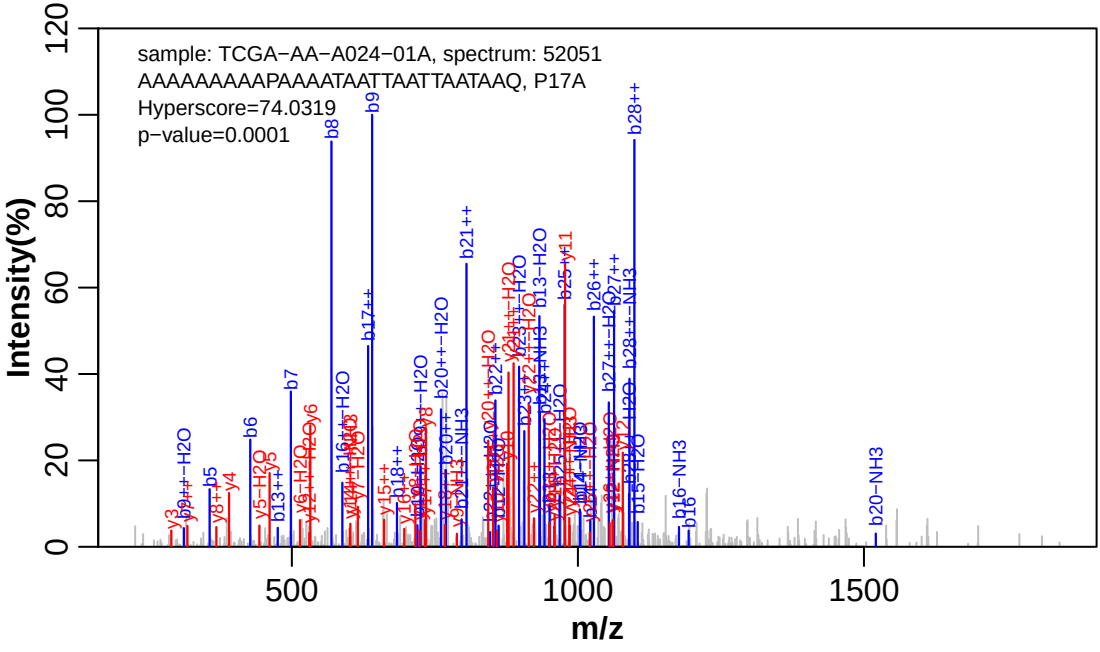

sample: TCGA−AA−A01Z−01A, spectrum: 11403
SSSYSGEYGSGGGK, G10S
Hyperscore=18.1111
p−value=0.0001
Intensity(%)
m/z
y5
b4−H2O
y6−NH3
y6
b5−H2O
b5
y7−NH3
y7
y8
y9
y10
b8
b9
b10−NH3
b11
y12

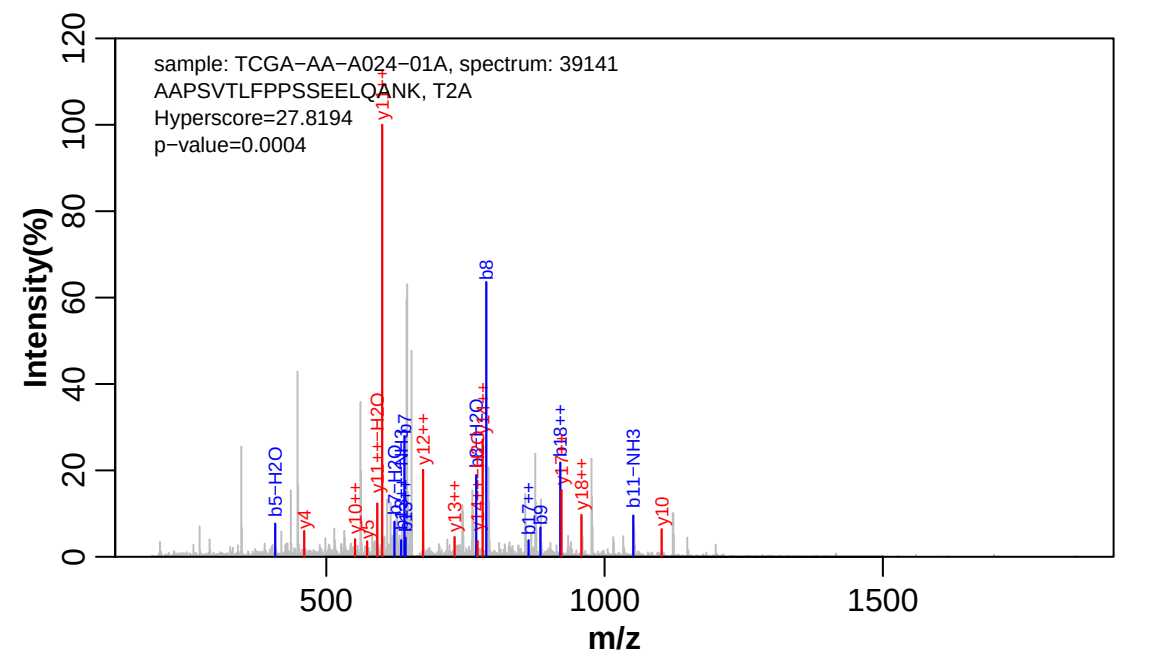

sample: TCGA−AA−A01Z−01A, spectrum: 32803
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=44.7181
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y14++−H2O
y7++
y6
y4
y8
y16++−H2O
y9
b20++−NH3
b18++
b21++
b23++−H2O
b17++
b15++−H2O
b15++−NH3
b16
b15−NH3
b14−H2O
y12
b3
y2
b4−H2O
y3
y5
y9++

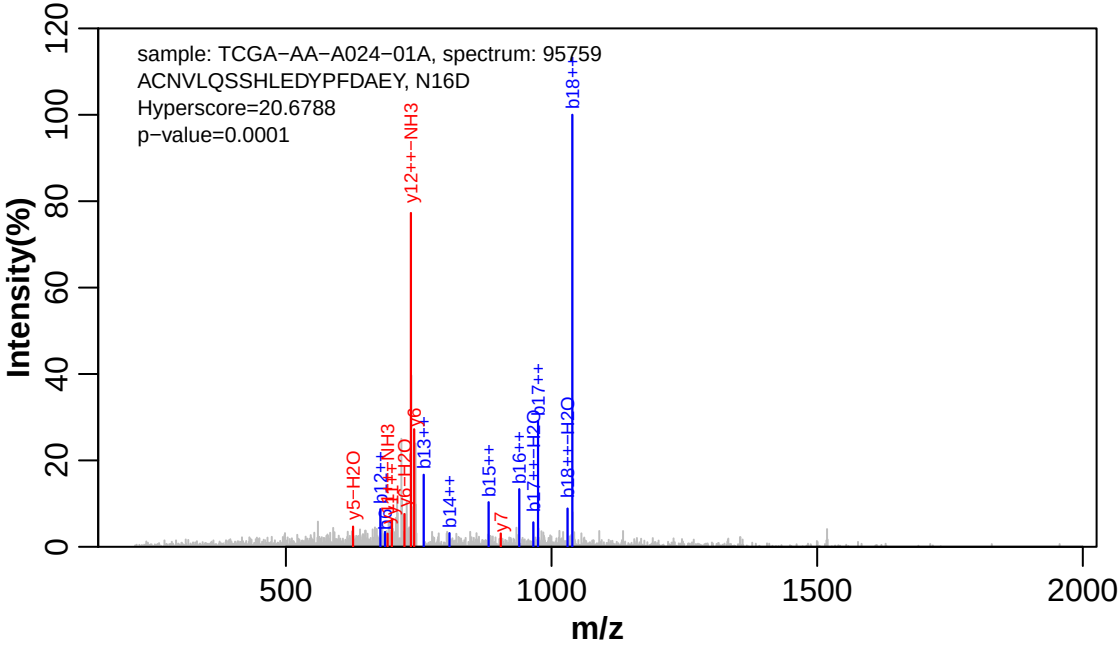

sample: TCGA−AA−A01Z−01A, spectrum: 42561
VPVTQATR, L3V
Hyperscore=19.1117
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3−NH3
y3
y4
y5
y6
y7

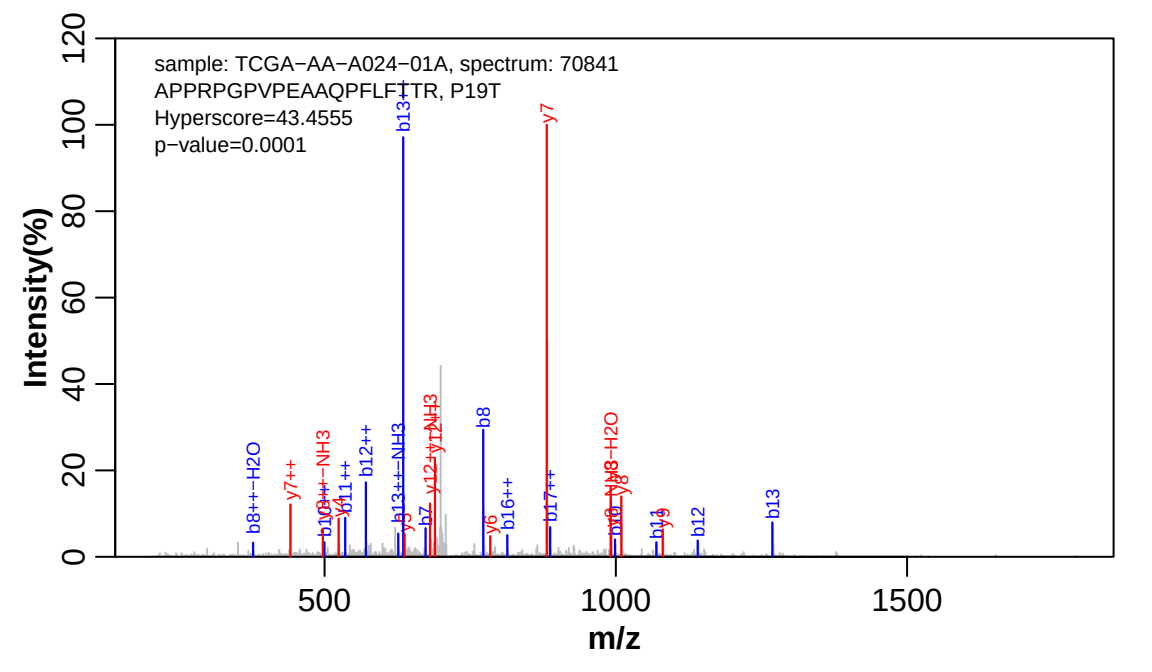

sample: TCGA−AA−A01Z−01A, spectrum: 93807
VVLQPEALFSLYSK, F8L
Hyperscore=22.7469
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b4
y4−H2O
b5
y5−NH3
b6−NH3
y7−H2O
y6
b9
y8
y9
y10
y10−NH3
b11
y11−NH3
y11
b12
b13

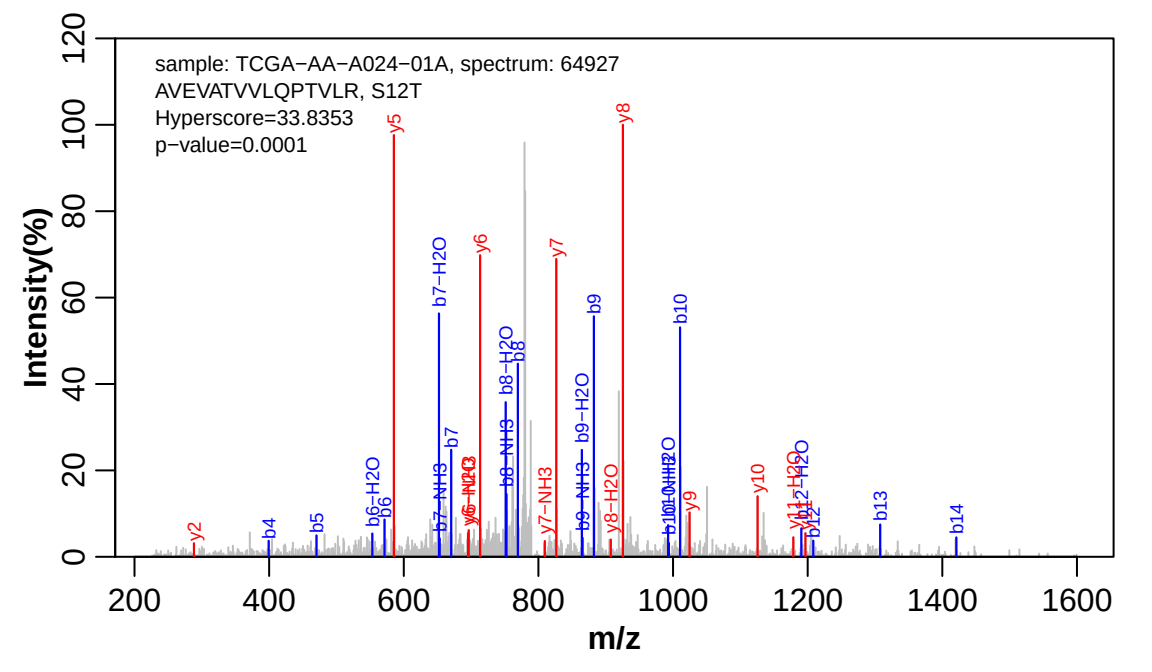

sample: TCGA−AA−A01Z−01A, spectrum: 72978
VWQTVSPVESR, G10S
Hyperscore=13.9194
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
m/z
b3
b4
b5
b6
b6−H2O
y6
y8
y9

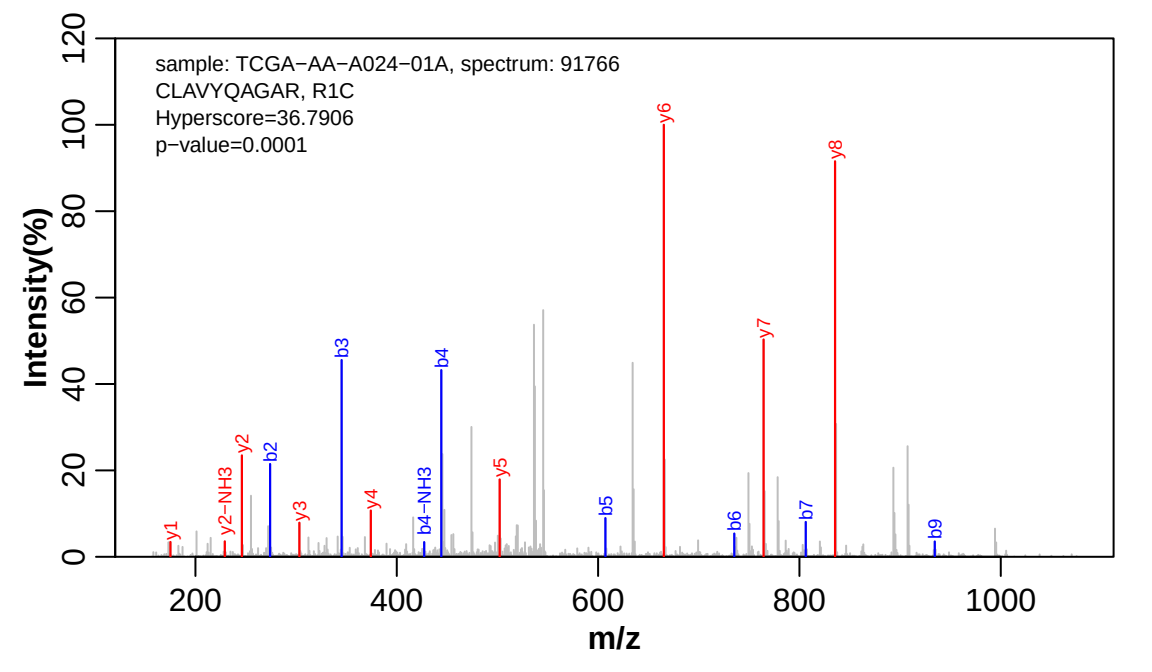

sample: TCGA−AA−A024−01A, spectrum: 52051
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=74.0319
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8
b9
b28++
b17++
b21++
b7
b6
b5
y4
y5−H2O
y5
b13++
y6−H2O
y6
b16−H2O
b20++−H2O
b20++−NH3
b20++
b25−y11
b26++
b27++−H2O
b27++
b28++−NH3
b28++−H2O
b16−NH3
b16
b20−NH3
y3
y8++−H2O
y8++
y8+
y15++
y18++

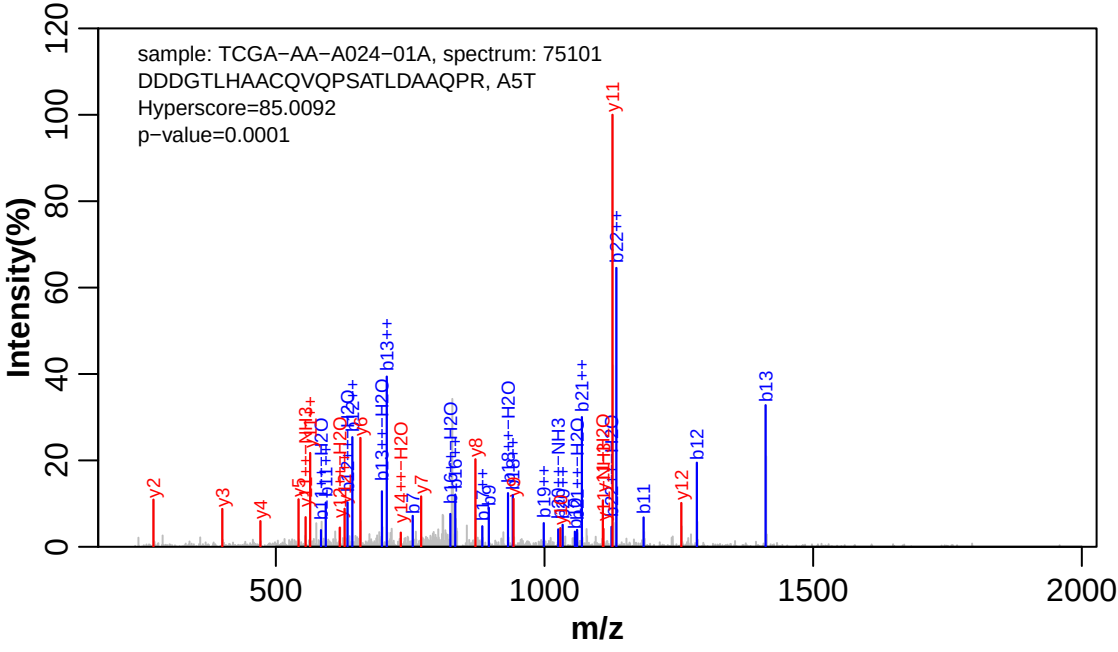

sample: TCGA−AA−A024−01A, spectrum: 39141
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=27.8194
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5−H2O
y4
y10++
y5
y11++−H2O
y11++
y12++
y13++
b8
b17++
b9
y17++
y18++
b11−NH3
y10

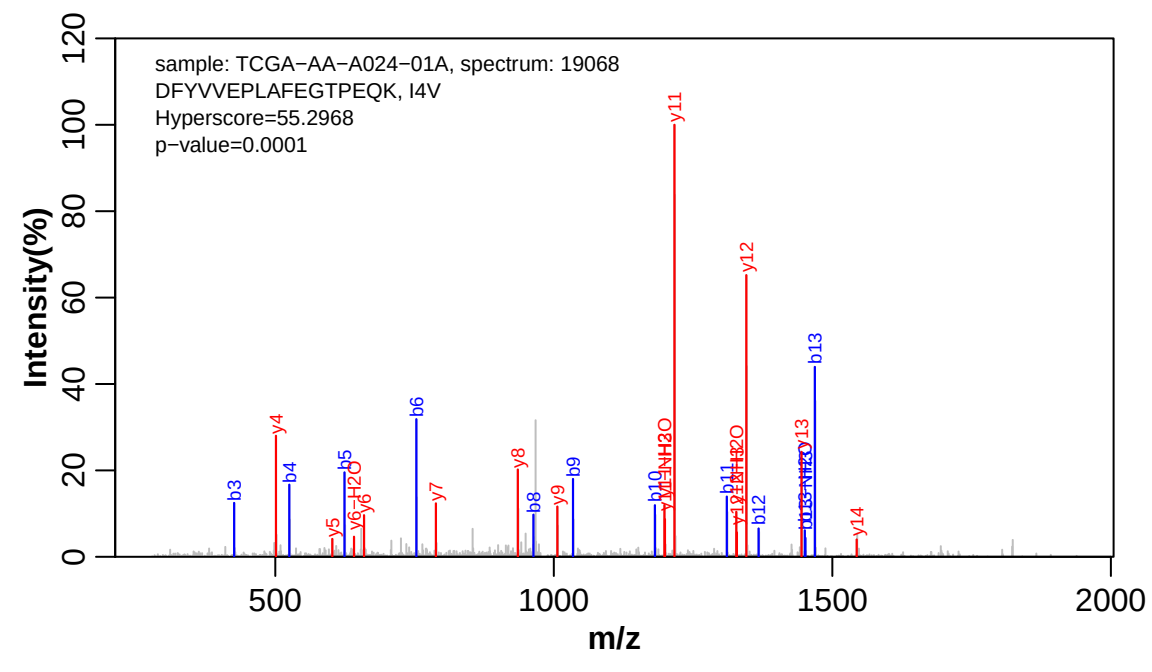

sample: TCGA−AA−A024−01A, spectrum: 95759
ACNVLQSSHLEDYPFDAEY, N16D
Hyperscore=20.6788
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12++−NH3
b18++
y5−H2O
b12++
b12++−NH3
y6−H2O
y6
b13++
b14++
b15++
y7
b16++
b17++−H2O
b17++
b18++−H2O

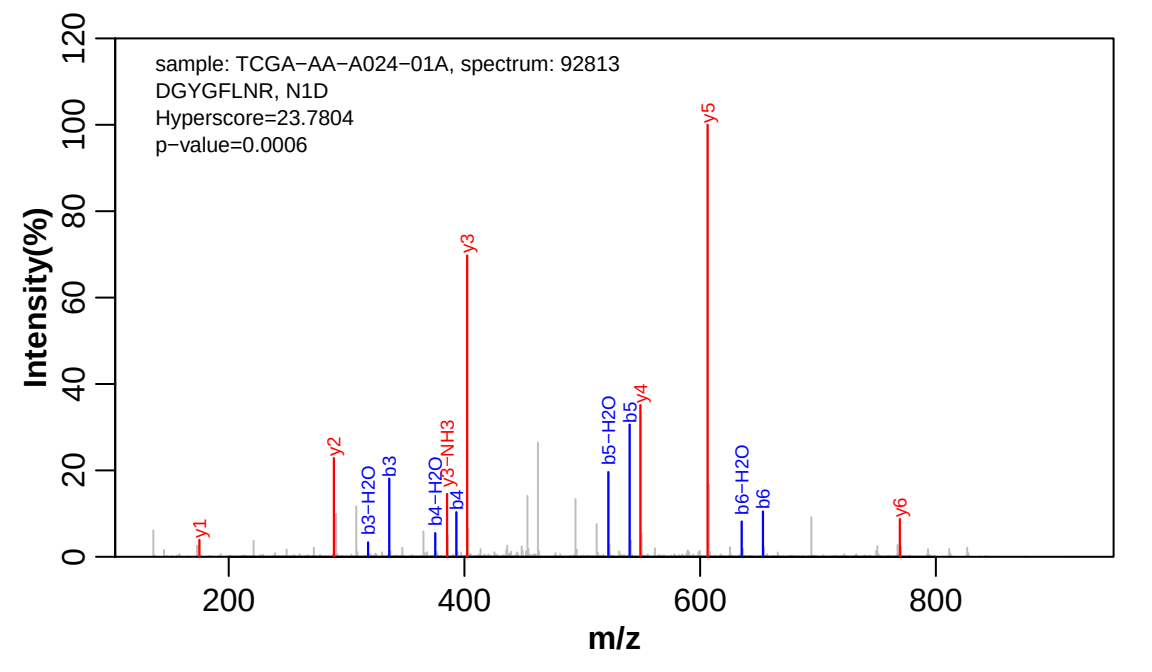

sample: TCGA−AA−A024−01A, spectrum: 70841
APPRPGPVPEAAQPFLFTTR, P19T
Hyperscore=43.4555
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8++−H2O
y7++
b10++−NH3
y11++
b12++
b13++−NH3
y9
b7
y12++−NH3
b8
y6
b16++
b17++
b10++−H2O
y8
b11
y5
b12
b13
b13+
y7

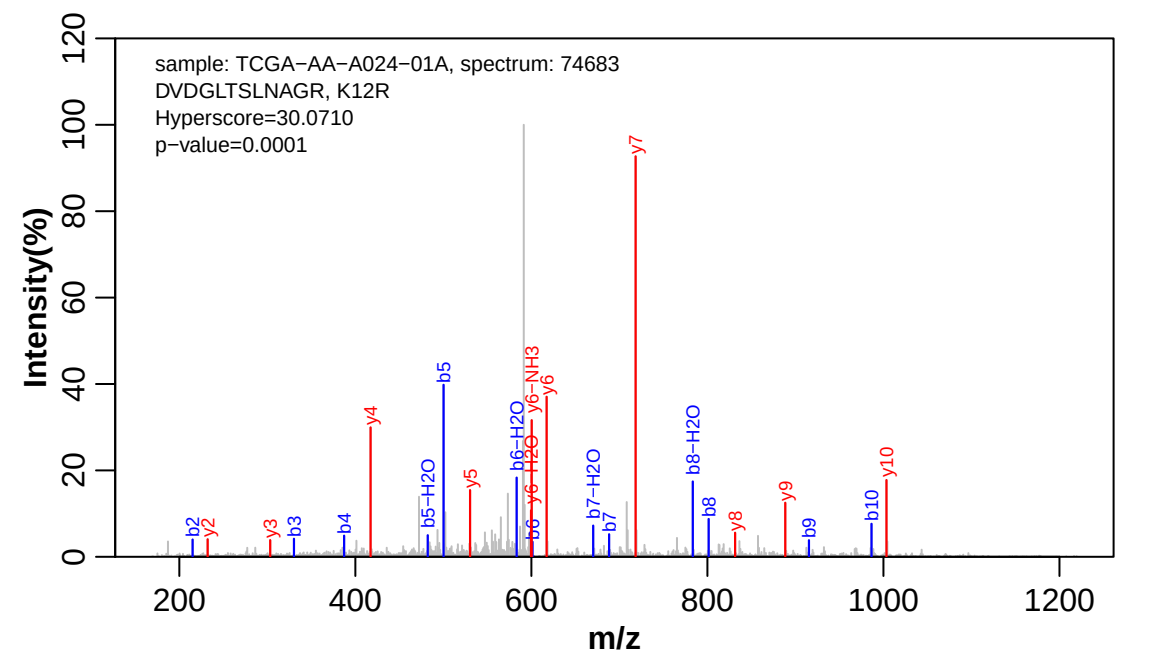

sample: TCGA−AA−A024−01A, spectrum: 64927
AVEVATVVLQPTVLR, S12T
Hyperscore=33.8353
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b4
b5
b6−H2O
b6
y5
b7−NH3
b7
b7−H2O
y6
y6−H2O
y6−NH3
b8−NH3
b8−H2O
b8
y7−NH3
y7
b9−NH3
b9−H2O
b9
y8−H2O
y8
b10−NH3
b10−H2O
b10
y9
y10
y11−H2O
y11
y12−H2O
b12
b13
b14

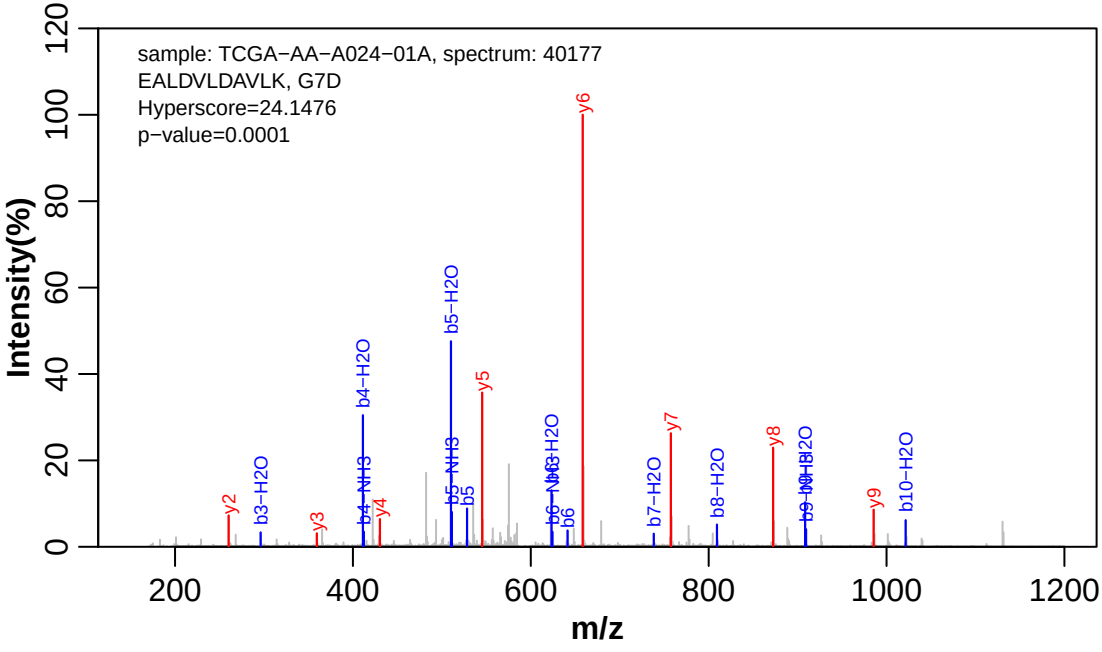

sample: TCGA−AA−A024−01A, spectrum: 91766
CLAVYQAGAR, R1C
Hyperscore=36.7906
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y1
y2−NH3
y2
b2
y3
b3
y4
b4−NH3
b4
y5
b5
y6
b6
y7
b7
y8
b9

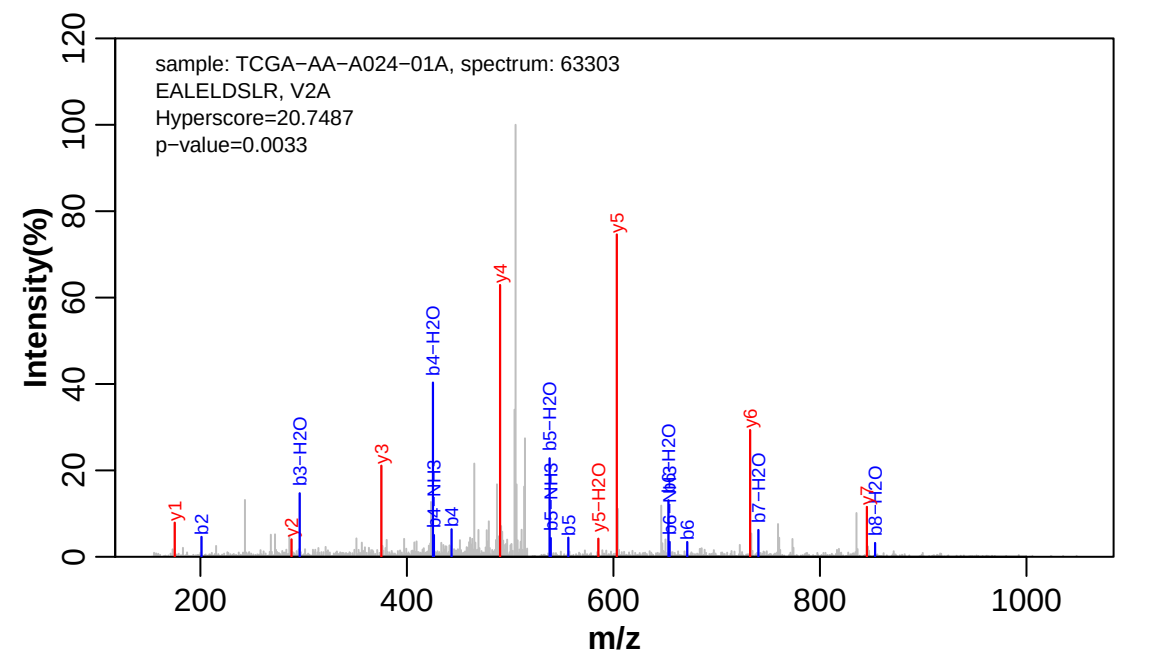

sample: TCGA−AA−A024−01A, spectrum: 75101
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=85.0092
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y4
y5
y5++−NH3
y5++−H2O
y6
y6++−NH3
y6++−H2O
y7
y7++−NH3
y7++−H2O
y8
y8++−NH3
y8++−H2O
y9
y9++−NH3
y9++−H2O
y10
y10++−NH3
y10++−H2O
y11
y11++−NH3
y11++−H2O
y12
y12++−NH3
y12++−H2O
b5
b5++−H2O
b6
b6++−H2O
b7
b7++−H2O
b8
b8++−H2O
b9
b9++−H2O
b10
b10++−H2O
b11
b11++−H2O
b12
b12++−H2O
b13
b13++−H2O
b16
b16++−H2O
b17
b17++−H2O
b18
b18++−H2O
b19
b19++−H2O
b21++
b22++

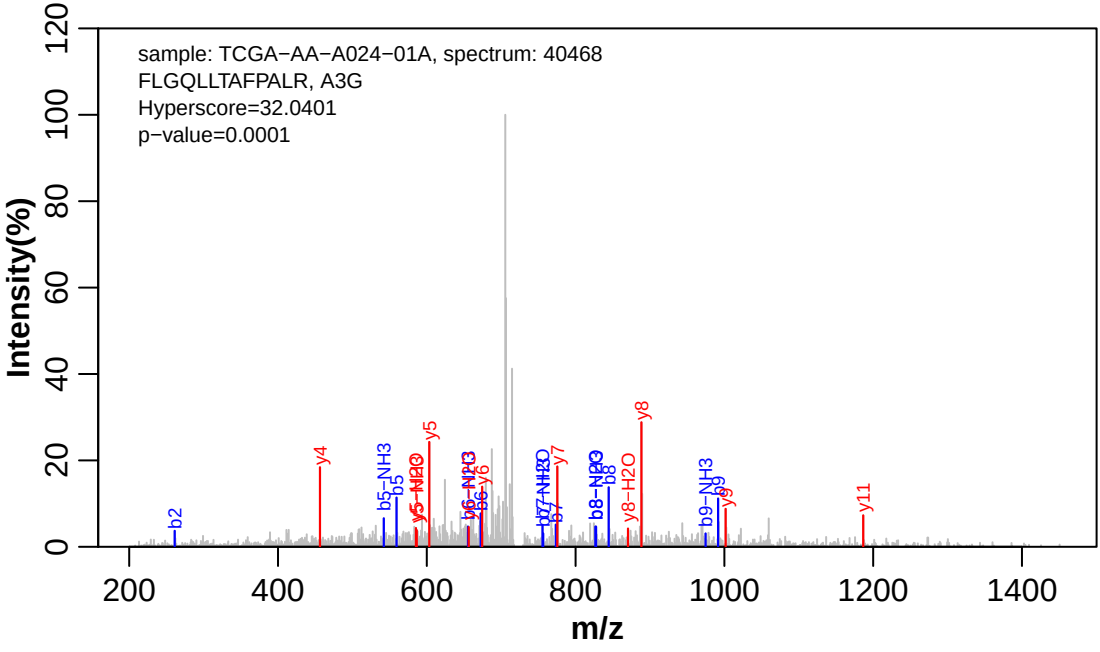

sample: TCGA−AA−A024−01A, spectrum: 19068
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=55.2968
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y11
y12
b13
y4
b6
y8
b3
b4
b5
y7
b8
y9
b9
b10
b11
b12
y5
y6
y14

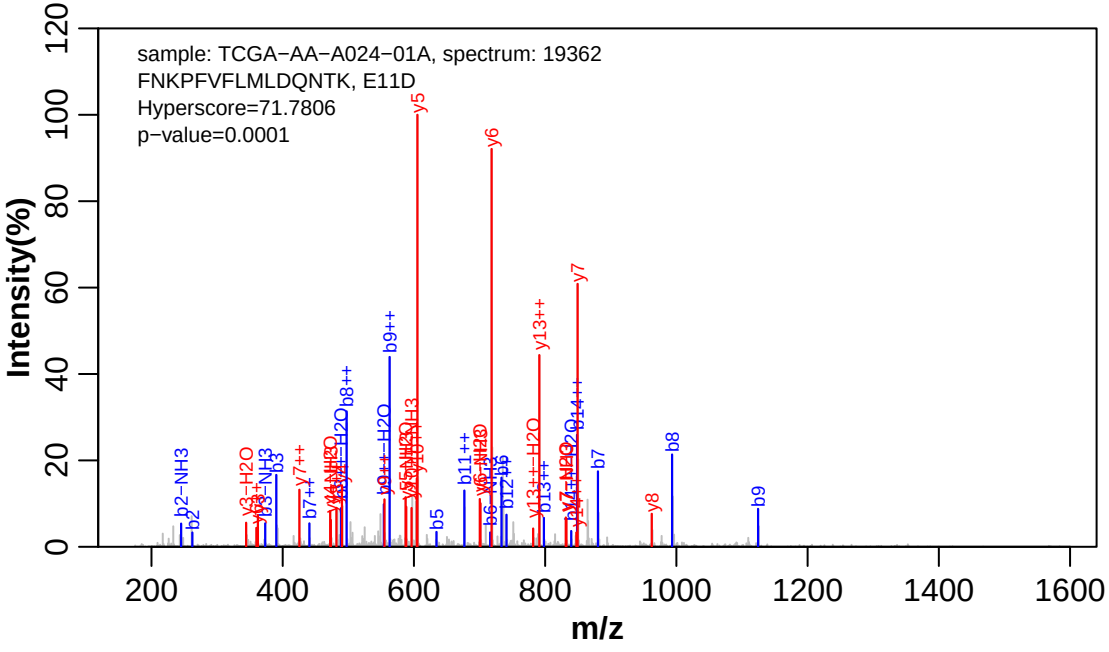

sample: TCGA−AA−A024−01A, spectrum: 92813
DGYGFLNR, N1D
Hyperscore=23.7804
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
y6

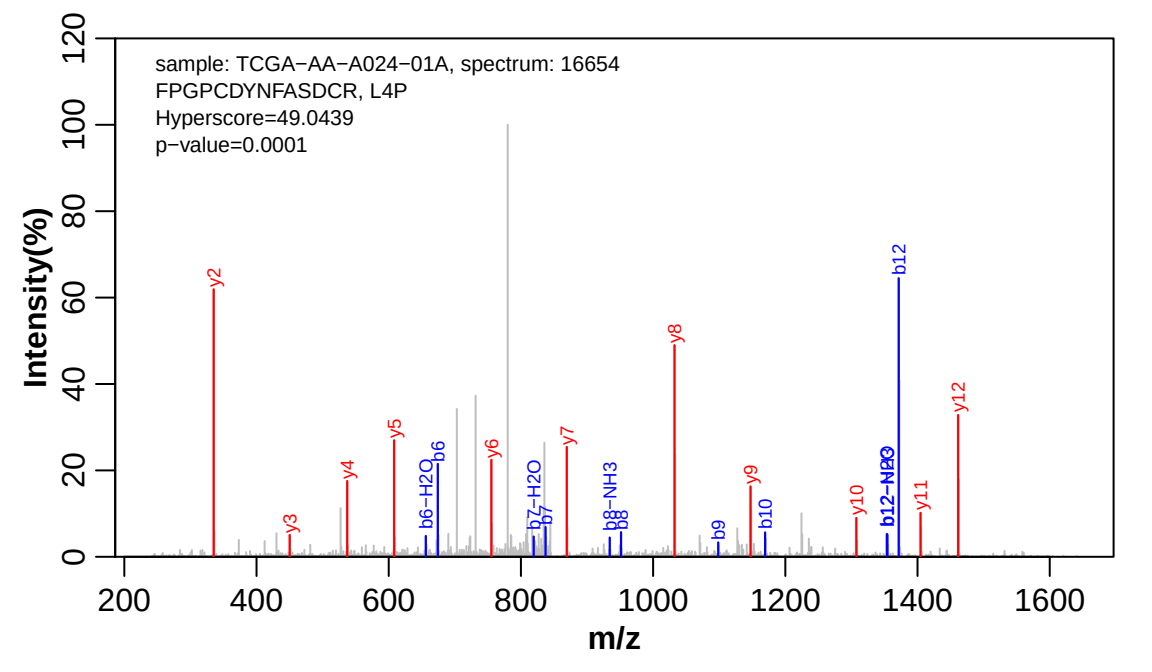

sample: TCGA−AA−A024−01A, spectrum: 74683
DVDGLTSLNAGR, K12R
Hyperscore=30.0710
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b3
b4
y4
b5−H2O
b5
y5
b6−H2O
y6−H2O
b6
y6−NH3
y6
b7−H2O
b7
b8−H2O
b8
y8
y9
b9
b10
y10
y7

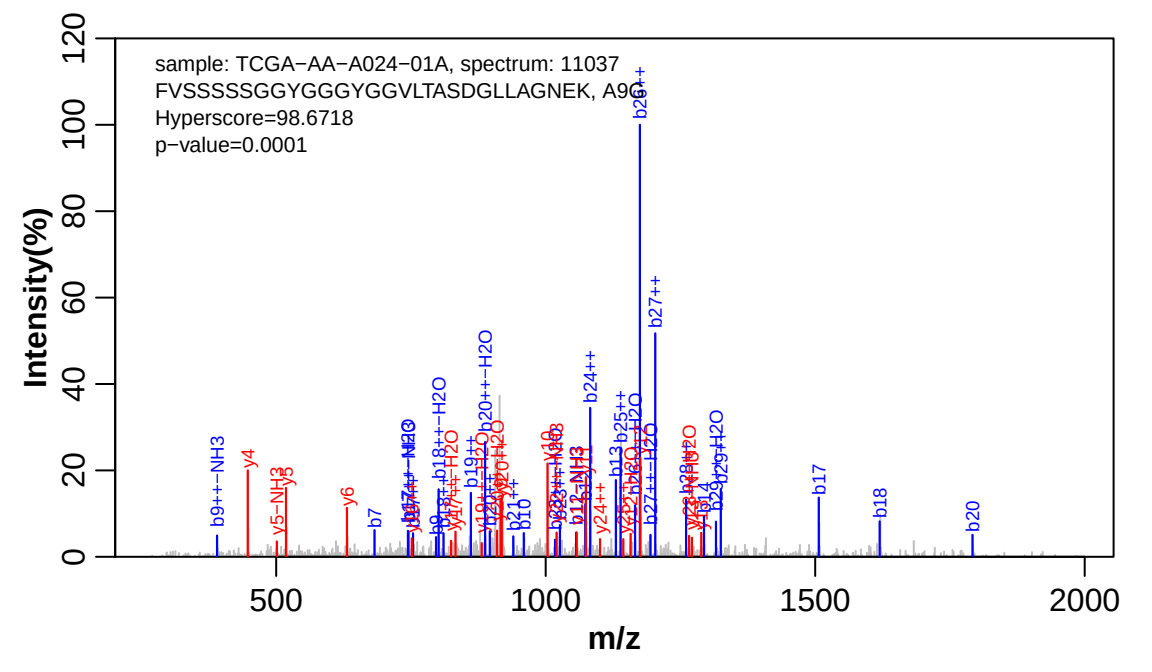

sample: TCGA−AA−A024−01A, spectrum: 40177
EALDVLDAVLK, G7D
Hyperscore=24.1476
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−NH3
b4−H2O
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6
b7−H2O
y7
b8−H2O
y8
b9−NH3
b9−H2O
y9
b10−H2O

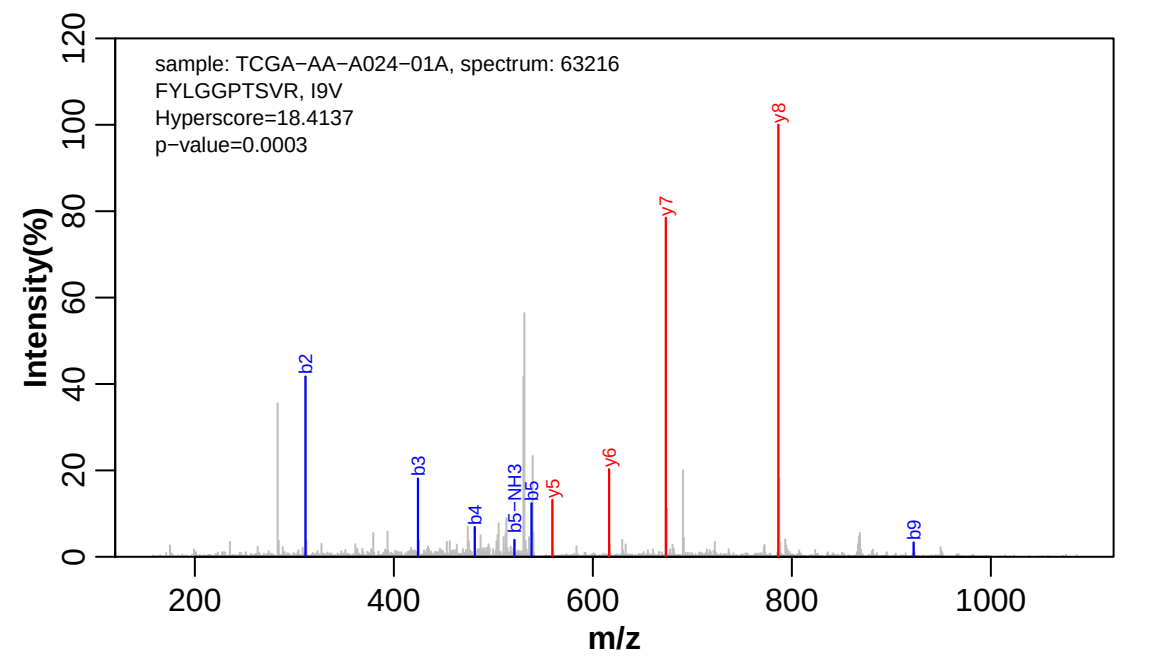

sample: TCGA−AA−A024−01A, spectrum: 63303
EALELDSLR, V2A
Hyperscore=20.7487
p−value=0.0033
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3−H2O
y2
y3
b4−H2O
b4−NH3
b4
y4
b5−H2O
b5−NH3
b5
y5
y5−H2O
b6−NH3
b6−H2O
b6
y6
b7−H2O
y7
b8−H2O

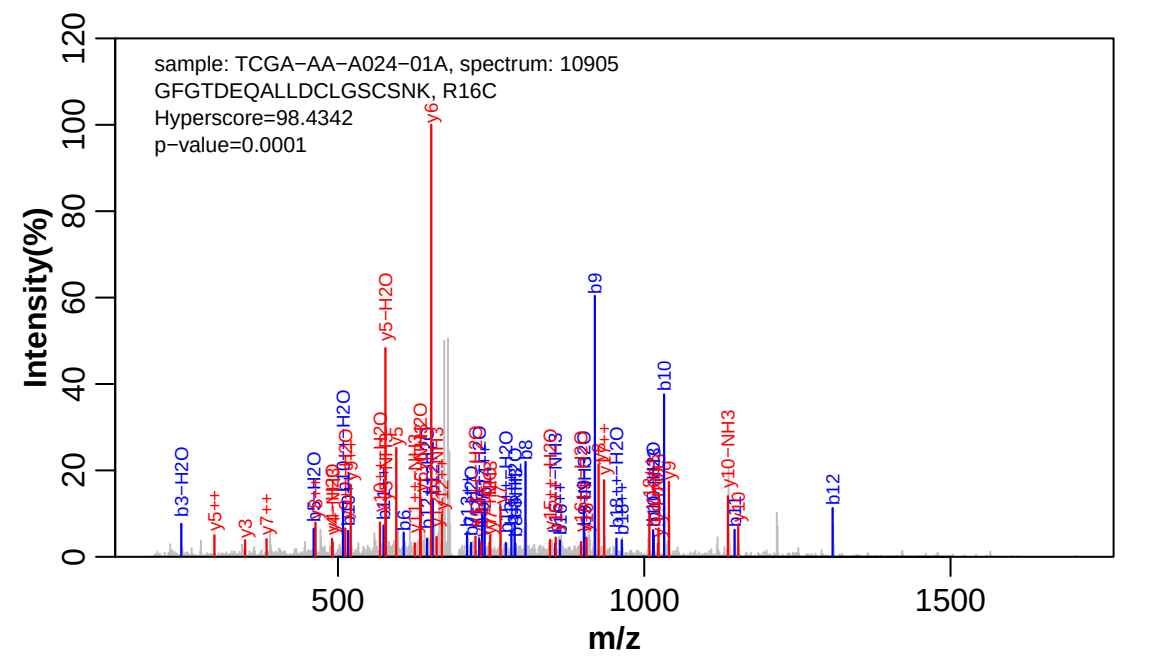

sample: TCGA−AA−A024−01A, spectrum: 40468
FLGQLLTAFPALR, A3G
Hyperscore=32.0401
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y4
b5−NH3
b5
y5
y5−H2O
b6−NH3
b6
y6
b7−NH3
b7−H2O
b7
y7
b8−NH3
b8
y8−H2O
y8
b9−NH3
b9
y9
y11

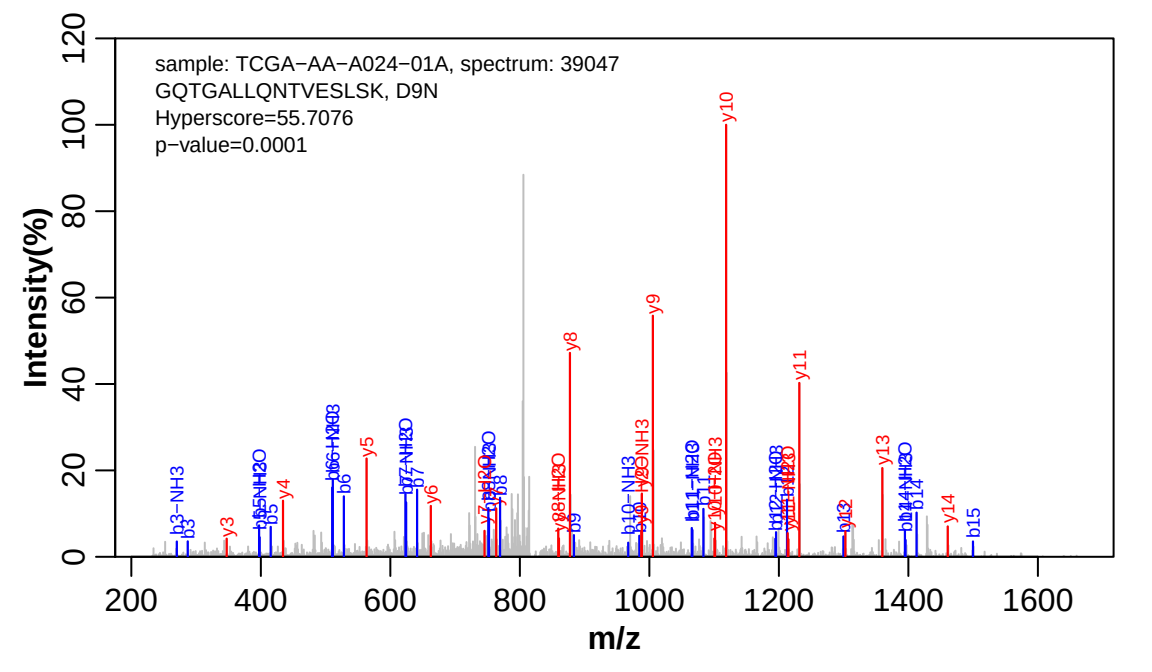

sample: TCGA−AA−A024−01A, spectrum: 19362
FNKPFVFLMLDQNTK, E11D
Hyperscore=71.7806
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
y13++
b9++
b8++
b11++
b7
b8
b9
y8
b5
b2−NH3
b2
y3−H2O
y3++
b3−NH3
b3
y7++
b7++

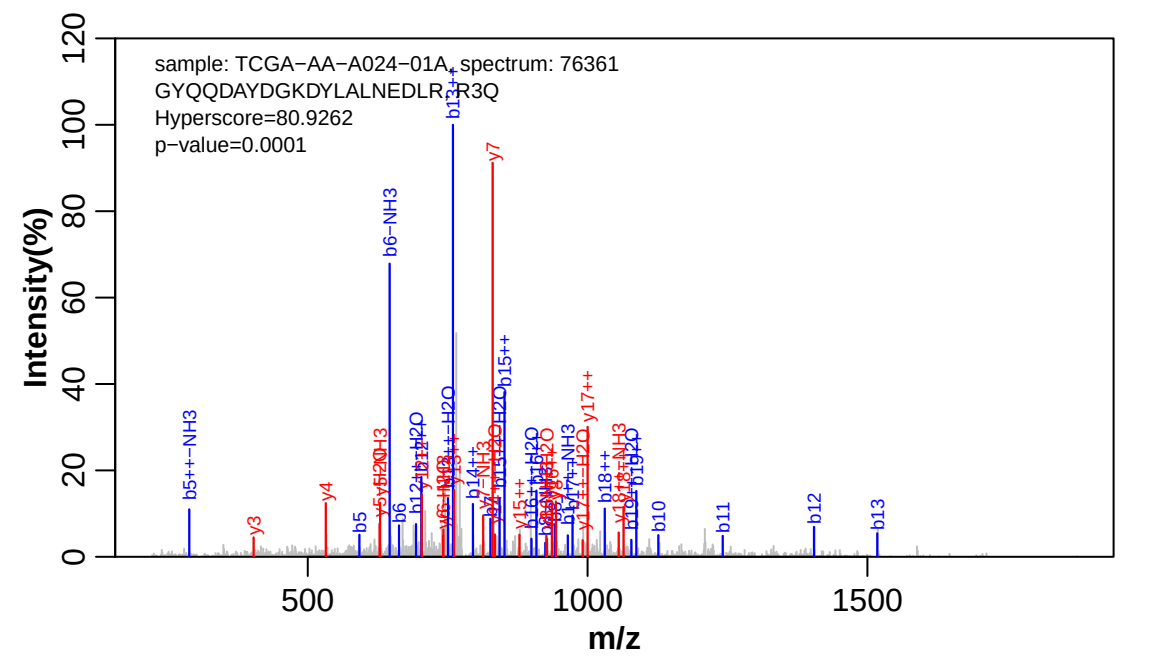

sample: TCGA−AA−A024−01A, spectrum: 16654
FPGPCDYNFASDCR, L4P
Hyperscore=49.0439
p−value=0.0001
Intensity(%)
m/z
y2
y3
y4
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−NH3
b8
y8
b9
y9
b10
y10
b12−NH3
b12
y11
y12

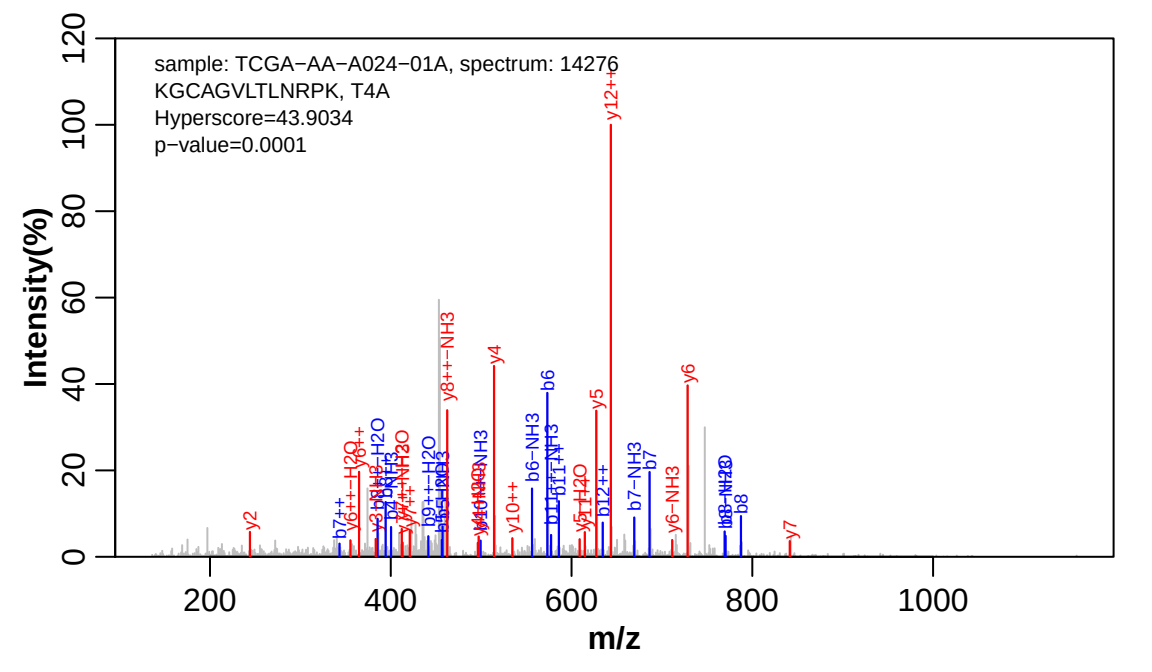

sample: TCGA−AA−A024−01A, spectrum: 11037
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=98.6718
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5−NH3
y3
y6
b7
b18++−H2O
b19++
b20++−H2O
b21++
b10++
y24++
b13
b25++
b27++−H2O
b26++
b27++
b17
b18
b20
b29++−H2O

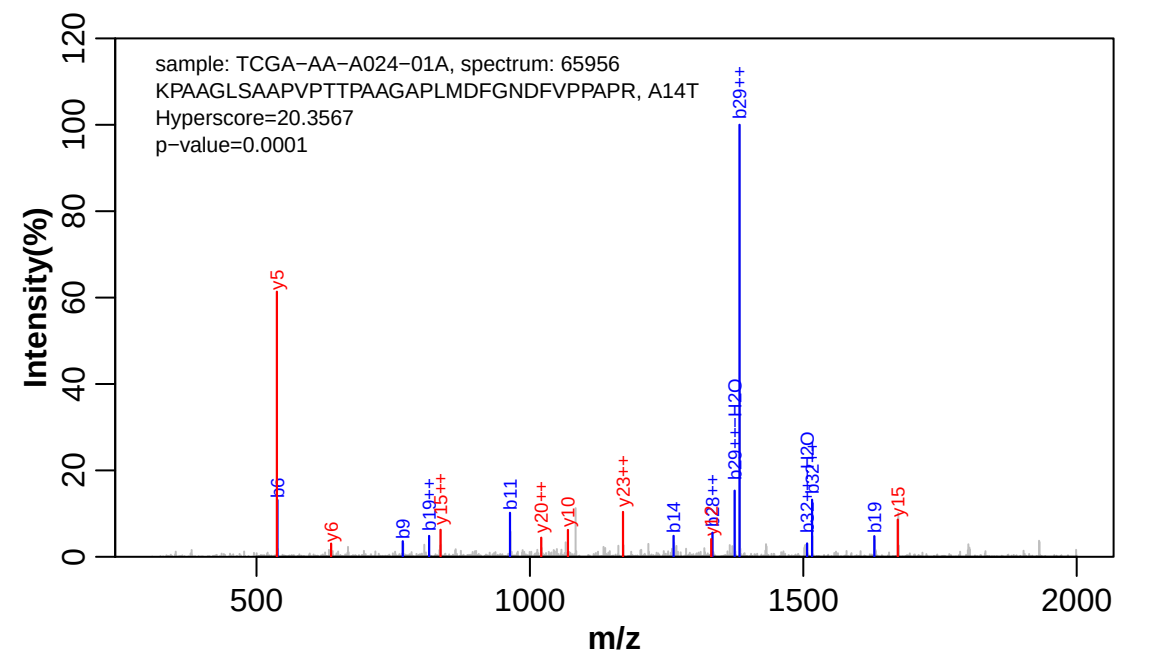

sample: TCGA−AA−A024−01A, spectrum: 63216
FYLGGPTSVR, I9V
Hyperscore=18.4137
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5−NH3
b5
y5
y6
y7
y8
b9

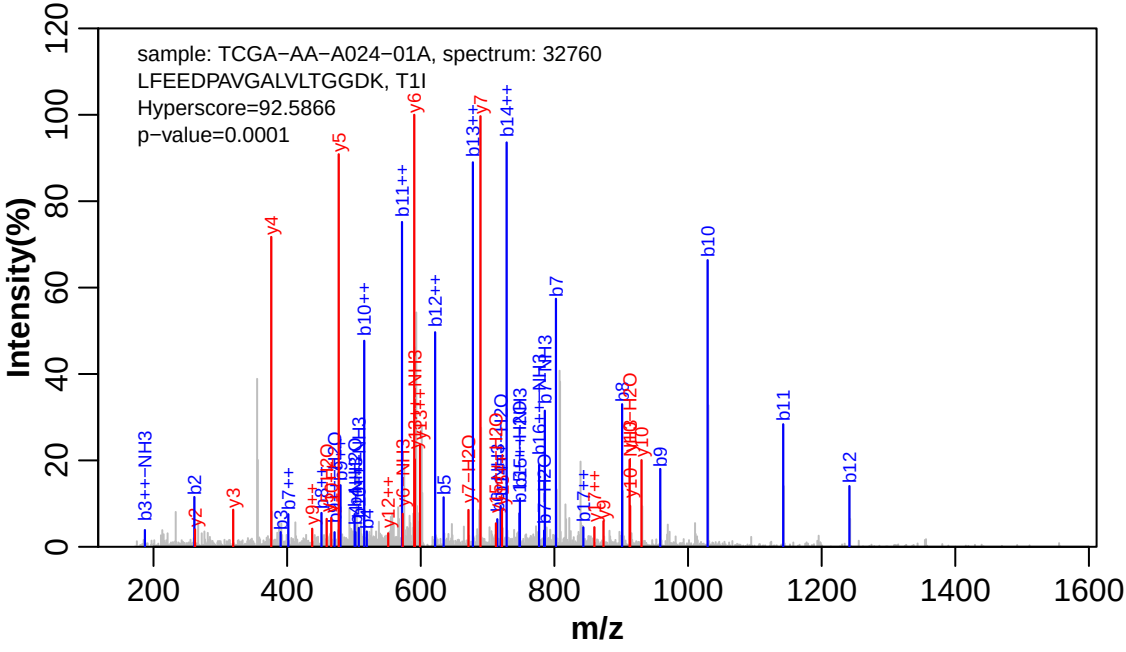

sample: TCGA−AA−A024−01A, spectrum: 10905
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=98.4342
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
y10−NH3
b12
b3−H2O
y5++
y3
y7++
y5
b6
b8
y9
y8++−H2O

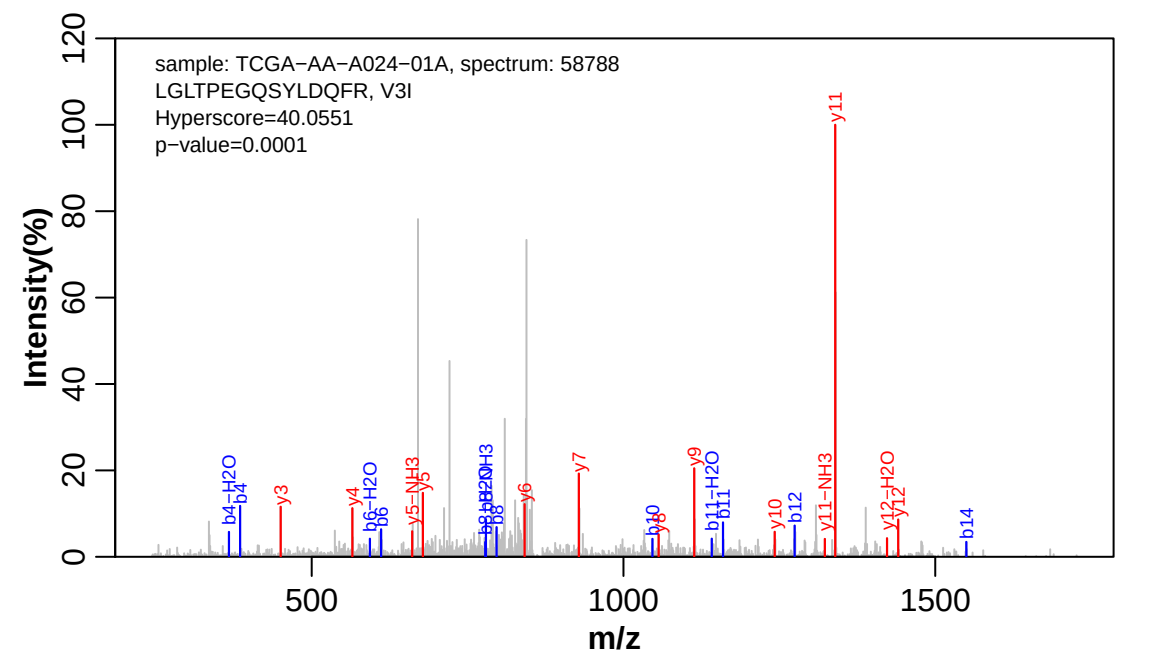

sample: TCGA−AA−A024−01A, spectrum: 39047
GQTGALLQNTVESLSK, D9N
Hyperscore=55.7076
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y5
y4
y6
y3
y14
b15
b10−NH3
b3−NH3

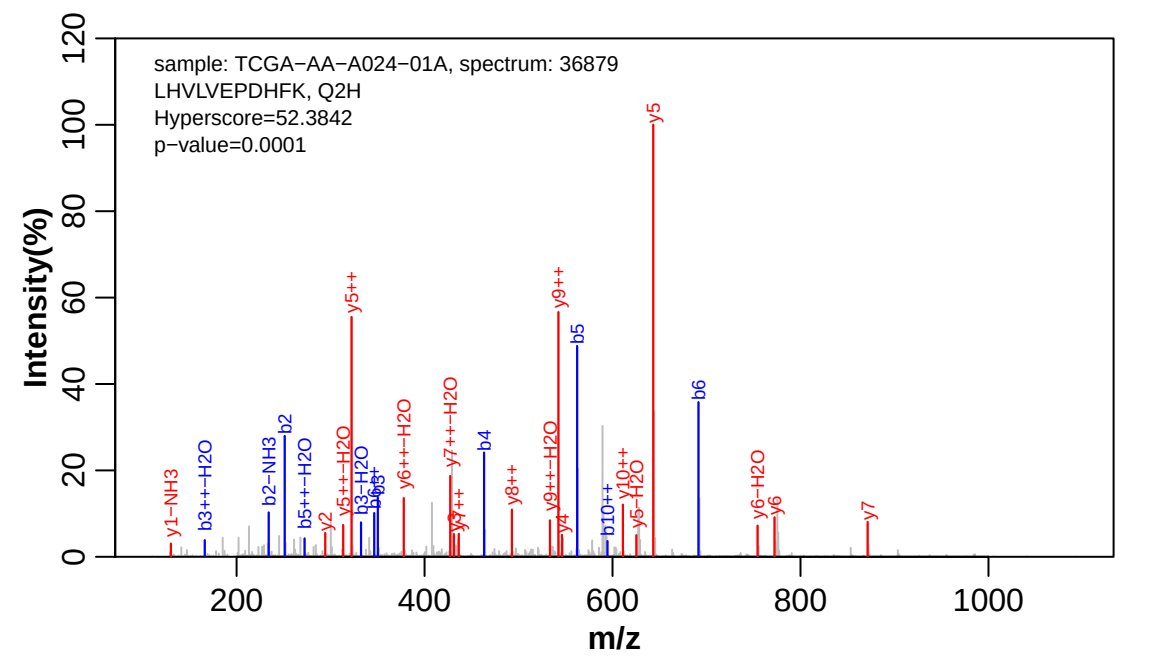

sample: TCGA−AA−A024−01A, spectrum: 76361
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=80.9262
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b13++
y7
b6−NH3
b5++−NH3
y4
y3
b5
b6
b11
b12
b13
b10
b15++
y17++
b18++
b14++
y15++

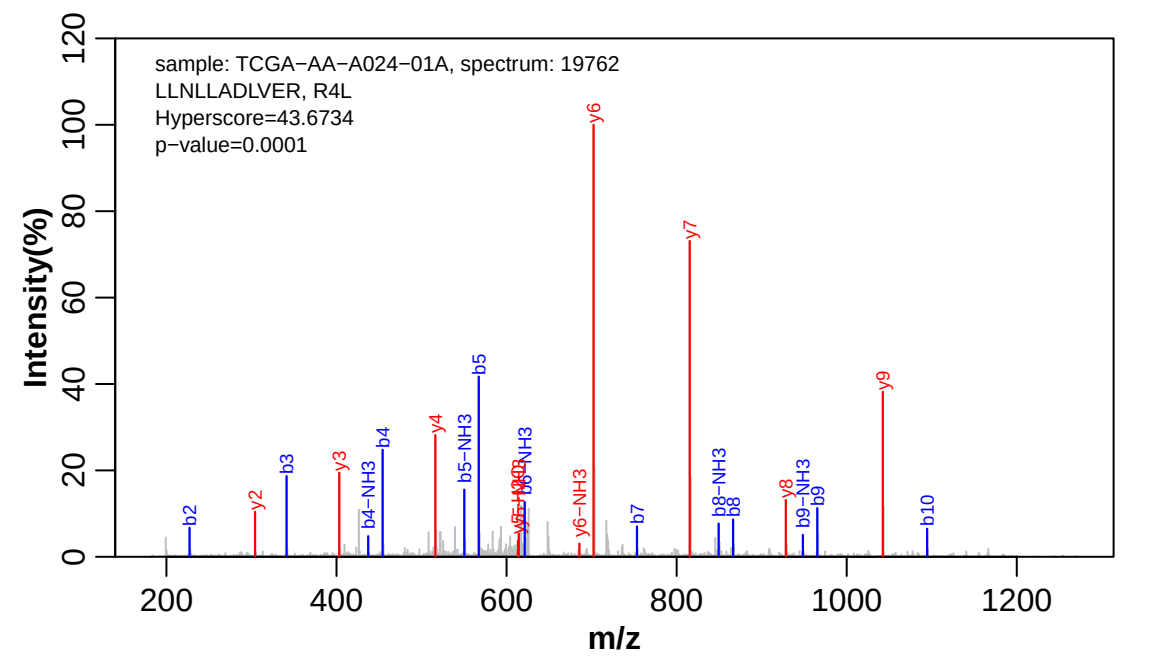

sample: TCGA−AA−A024−01A, spectrum: 14276
KGCAGVLTLNRPK, T4A
Hyperscore=43.9034
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y12++
y8++−NH3
y4
y6
y5
b6
b6−NH3
b7
b7−NH3
y6−NH3
y10++
y2
y7
b8

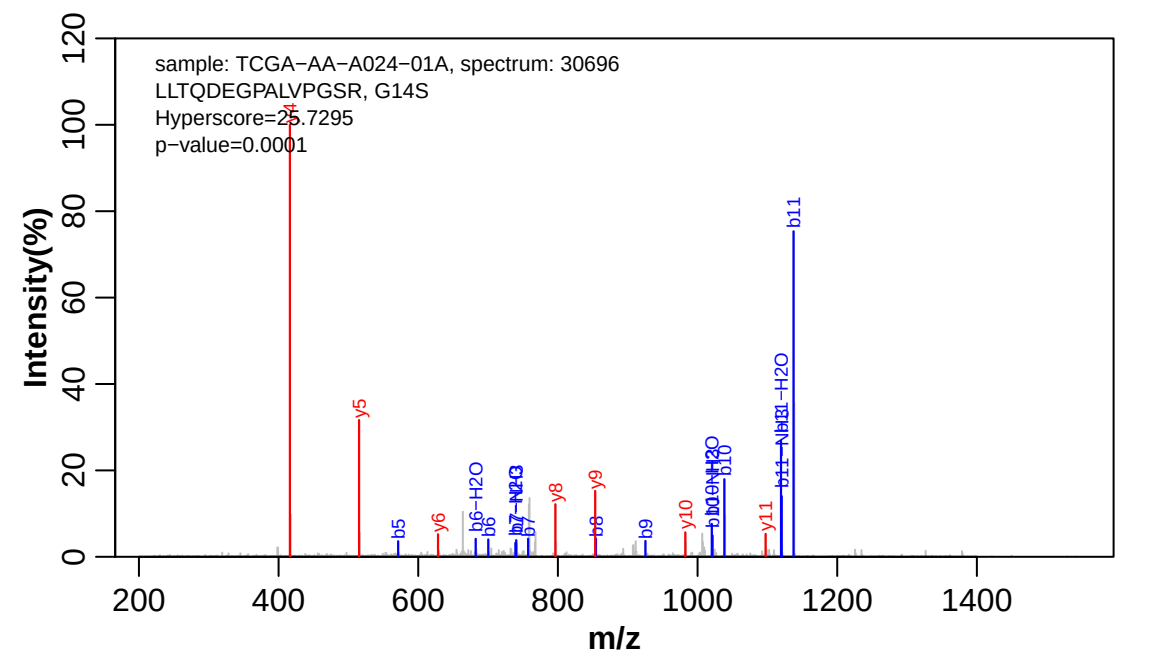

sample: TCGA−AA−A024−01A, spectrum: 65956
KPAAGLSAAPVPTTPAAGAPLMDFGNDFVPPAPR, A14T
Hyperscore=20.3567
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
b6
y6
b9
b19++
y15++
b11
y20++
y10
y23++
b14
y28++
b29++−H2O
b29++
b32++−H2O
b19
y15

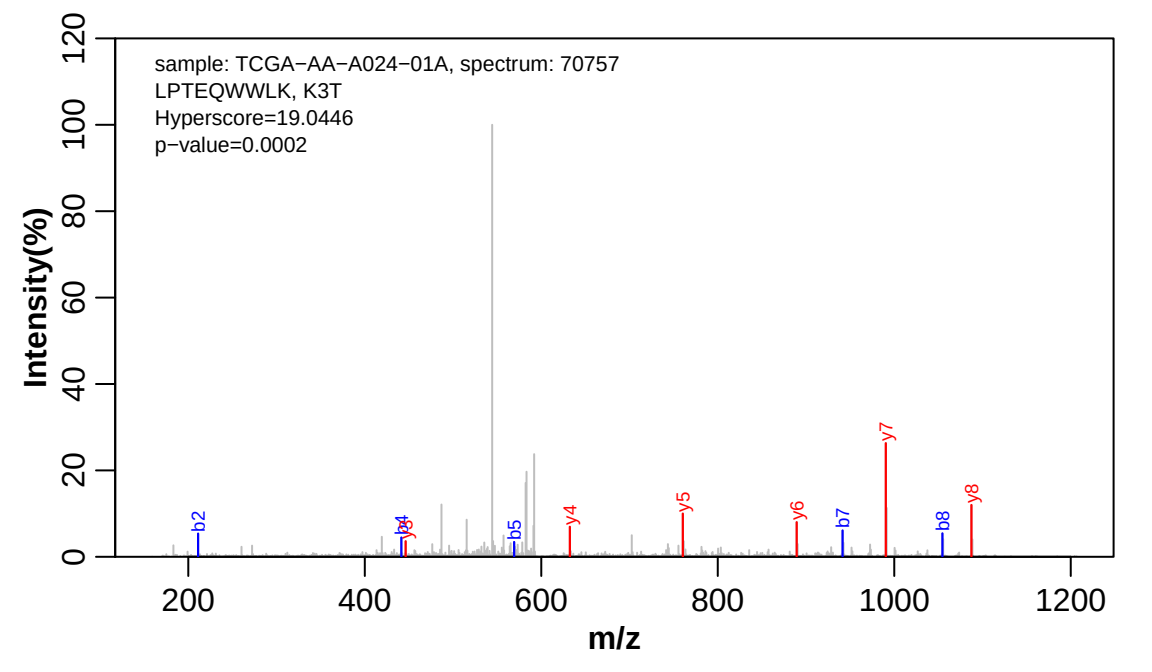

sample: TCGA−AA−A024−01A, spectrum: 32760
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=92.5866
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y5
y4
y3
y2
b2
b3++−NH3
b3
b7++
b11++
b10++
b12++
b13++
y7
b14++
b10
b7
b11
b12
b9
b5
y7−H2O
y12++
y6−NH3
y10−NH3
y10
b8
b17++
y8++

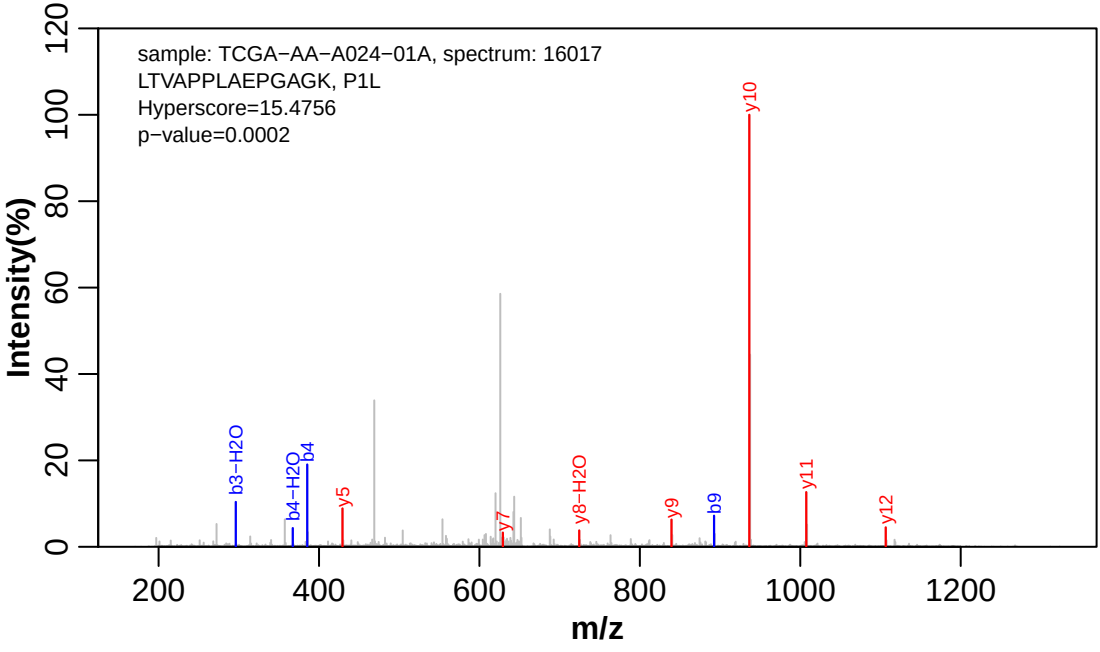

sample: TCGA−AA−A024−01A, spectrum: 58788
LGLTPEGQSYLDQFR, V3I
Hyperscore=40.0551
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4−H2O
b4
y3
y4
b6−H2O
b6
y5−NH3
y5
y6
y7
y8
b10
y9
b11−H2O
b11
y10
b12
y11−NH3
y11
y12−H2O
y12
b14

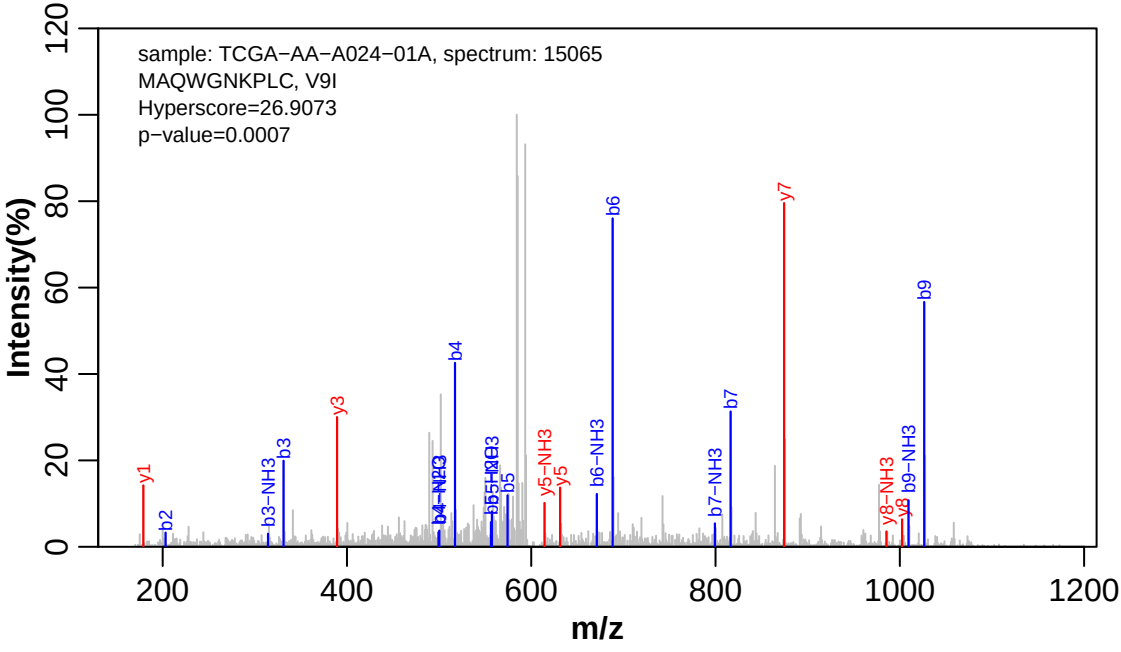

sample: TCGA−AA−A024−01A, spectrum: 36879
LHVLVEPDHFK, Q2H
Hyperscore=52.3842
p−value=0.0001
Intensity(%)
m/z
y1−NH3
b3++−H2O
b2−NH3
b2
b5++−H2O
y2
y5++−H2O
y5++
b3−H2O
b3
b3+
y6++−H2O
y7++−H2O
y7++
b4
y8++
y9++−H2O
y9++
b5
y4
b10++
y10++
y5−H2O
y5
b6
y6−H2O
y6
y7

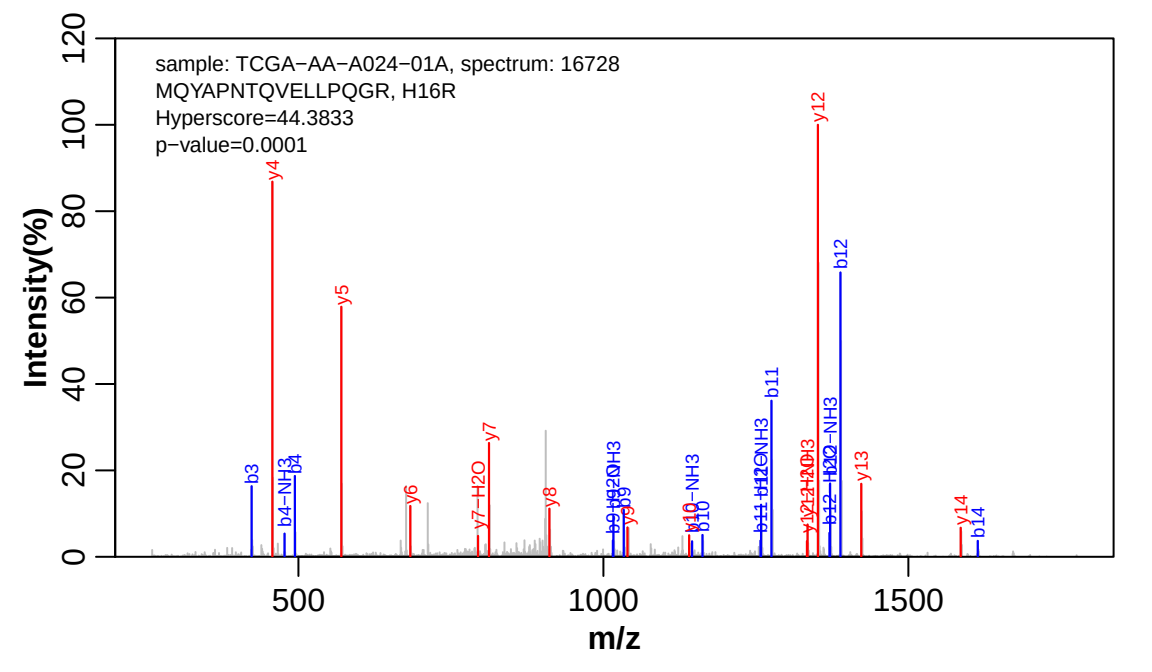

sample: TCGA−AA−A024−01A, spectrum: 19762
LLNLLADLVER, R4L
Hyperscore=43.6734
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4
b4−NH3
y4
b5
b5−NH3
y6−NH3
b7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10
y6
y7

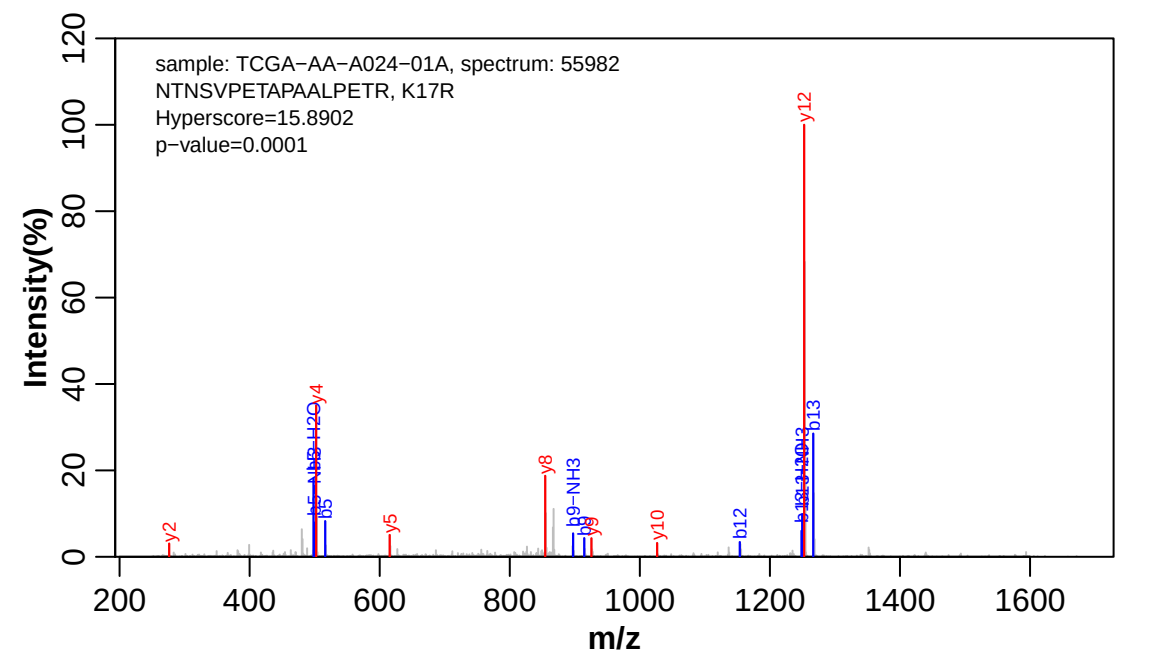

sample: TCGA−AA−A024−01A, spectrum: 30696
LLTQDEGPALVPGSR, G14S
Hyperscore=25.7295
p−value=0.0001
Intensity(%)
m/z
y4
y5
b5
y6
b6−H2O
b6
y8
y9
b8
b9
y10
b10
y11
b11
b11−H2O

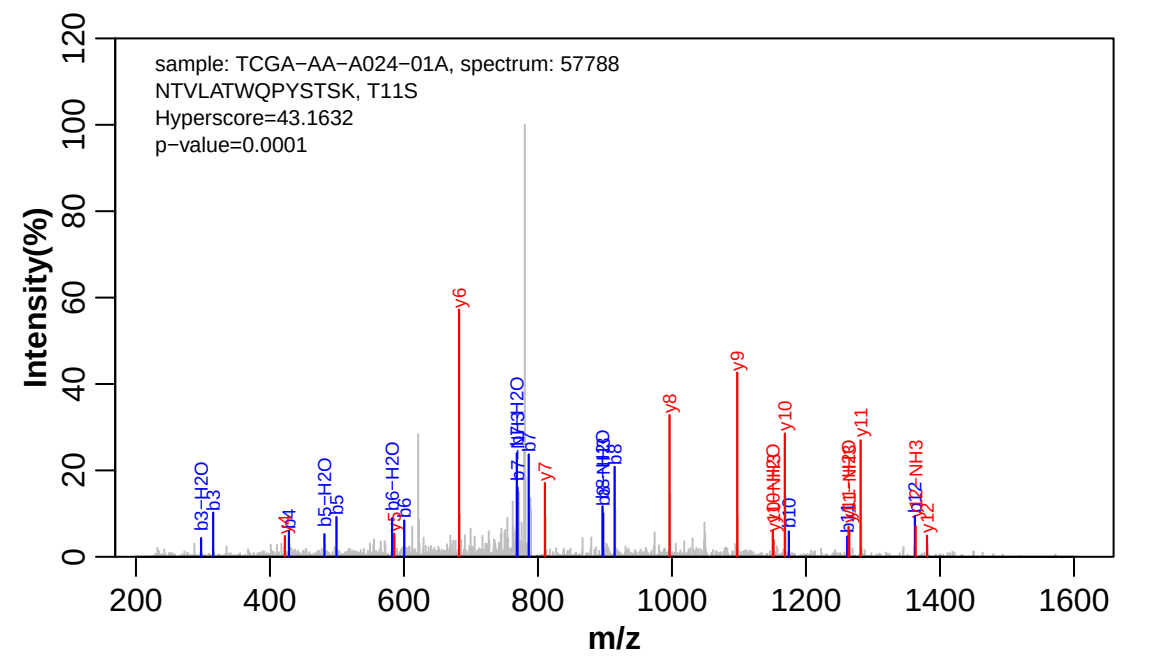

sample: TCGA−AA−A024−01A, spectrum: 70757
LPTEQWWLK, K3T
Hyperscore=19.0446
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4
y3
b5
y4
y5
y6
b7
y7
b8
y8

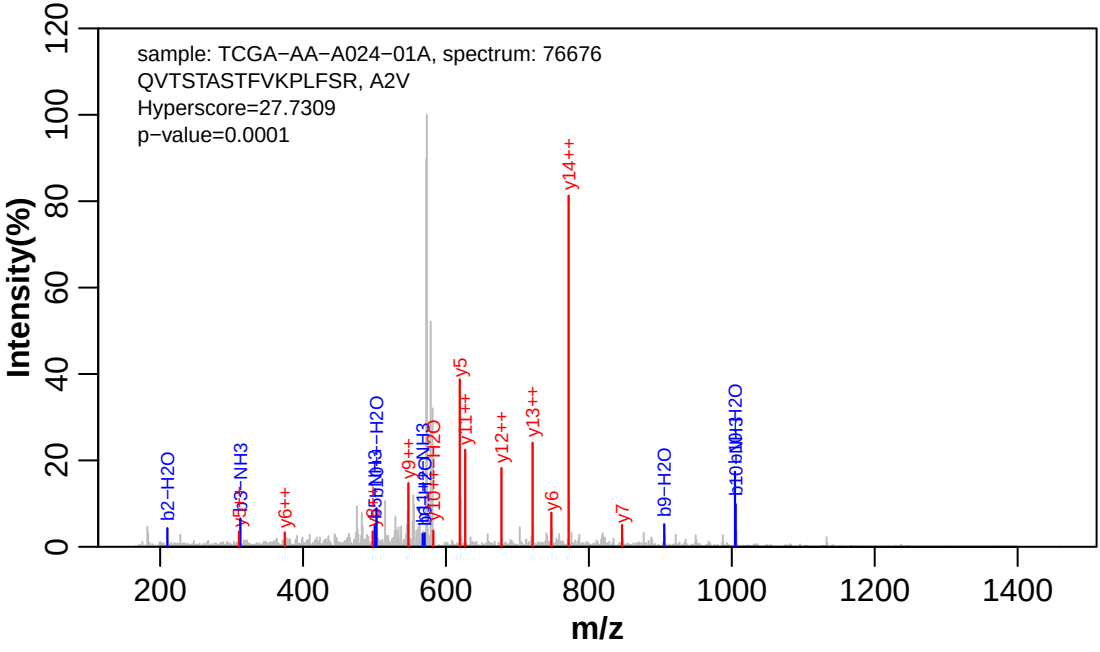

sample: TCGA−AA−A024−01A, spectrum: 16017
LTVAPPLAEPGAGK, P1L
Hyperscore=15.4756
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b4−H2O
b4
y5
y7
y8−H2O
y9
b9
y10
y11
y12

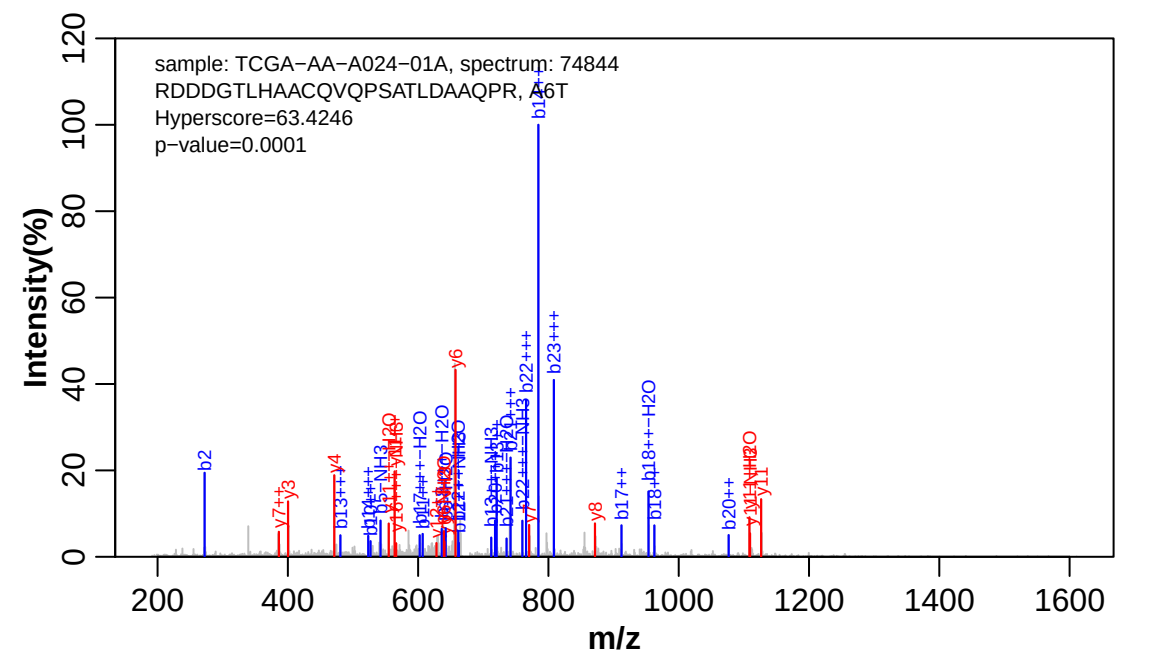

sample: TCGA−AA−A024−01A, spectrum: 15065
MAQWGNKPLC, V9I
Hyperscore=26.9073
p−value=0.0007
Intensity(%)
m/z
y1
b2
b3−NH3
b3
y3
b4
b5
y5−NH3
y5
b6−NH3
b6
b7−NH3
b7
y7
y8−NH3
y8
b9−NH3
b9

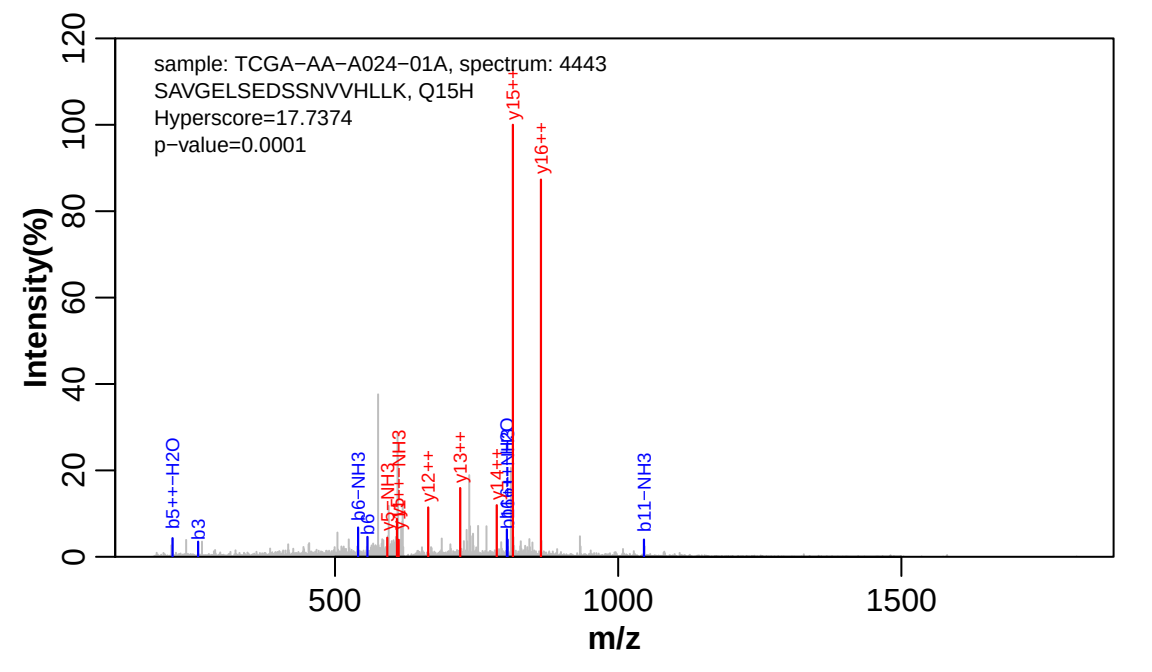

sample: TCGA−AA−A024−01A, spectrum: 16728
MQYAPNTQVELLPQGR, H16R
Hyperscore=44.3833
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y7−H2O
y8
y12
b3
b4
b4−NH3
b11
b12
b12−NH3
y13
y14
b14
b10
b10−NH3

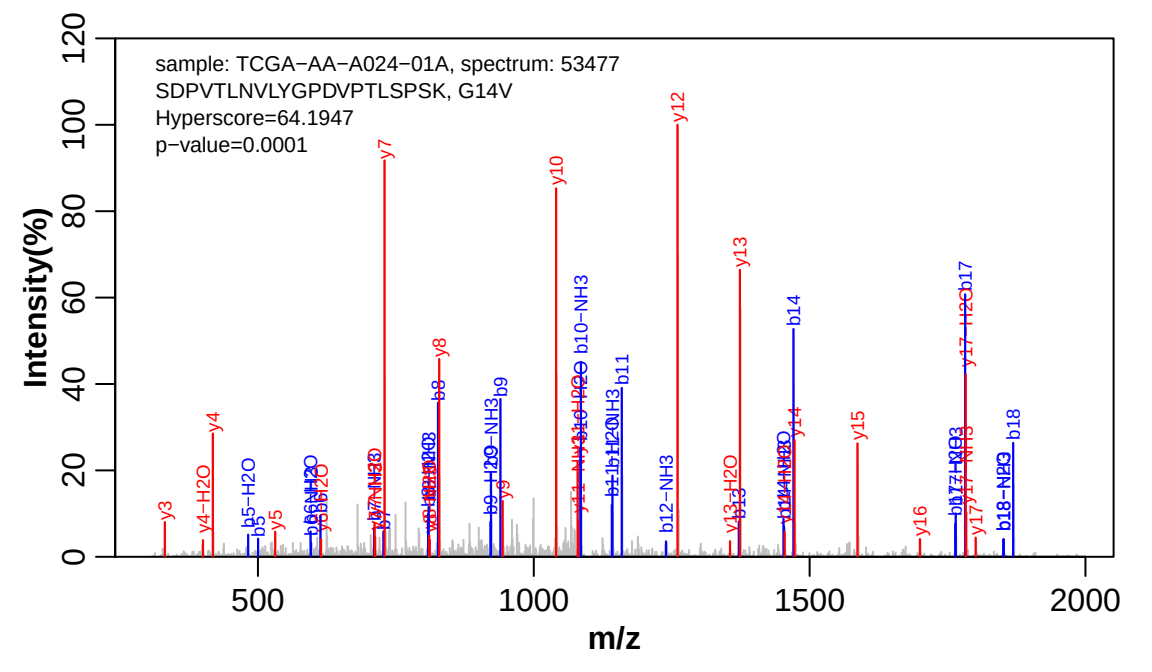

sample: TCGA−AA−A024−01A, spectrum: 55982
NTNSVPETAPAALPETR, K17R
Hyperscore=15.8902
p−value=0.0001
Intensity(%)
m/z
y12
y4
y8
b13
b9−NH3
y2
y5
y10
b12
b5
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

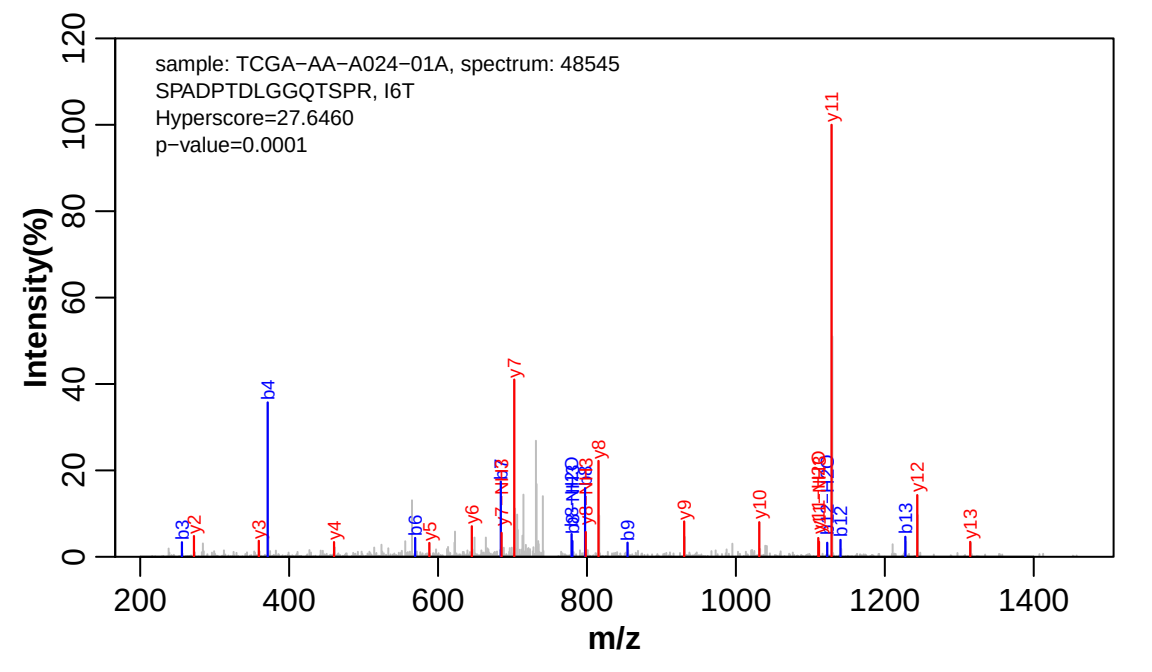

sample: TCGA−AA−A024−01A, spectrum: 57788
NTVLATWQPYSTSK, T11S
Hyperscore=43.1632
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y9
y8
y10
y11
y7
b7−H2O
b7
b8−NH3
b8
b3−H2O
b3
b5−H2O
b5
b6−H2O
b6
y4
y5
b10
y12
y12−NH3

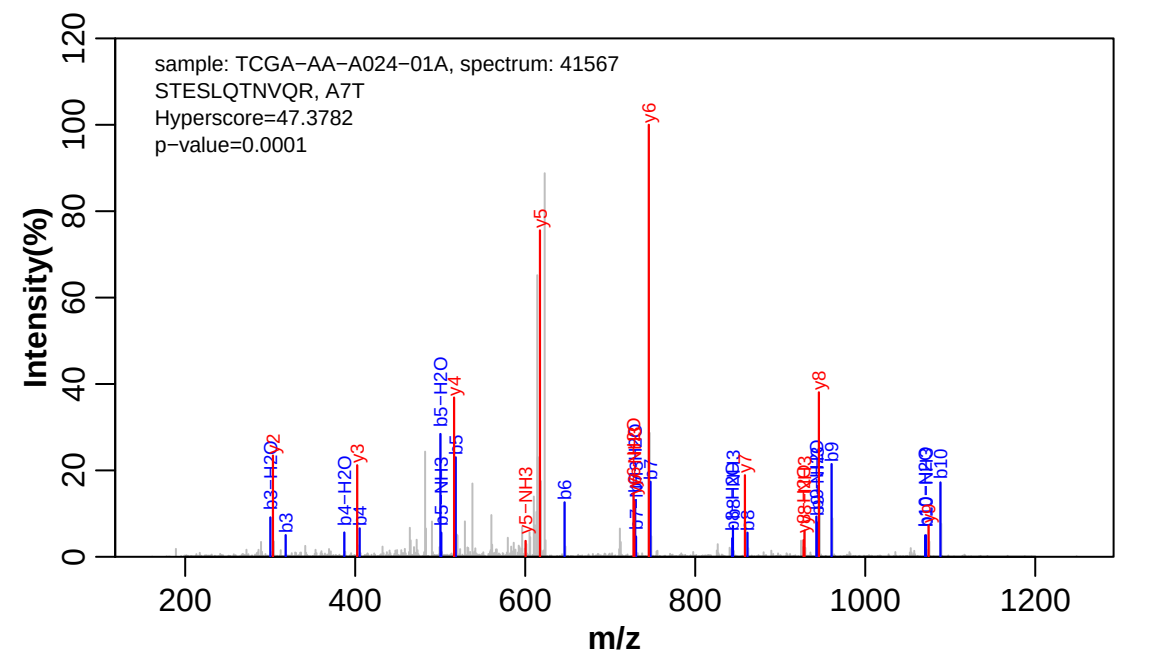

sample: TCGA−AA−A024−01A, spectrum: 76676
QVTSTASTFVKPLFSR, A2V
Hyperscore=27.7309
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
y3−NH3
y6++
y9++
y14++
y5
y11++
y12++
y13++
y6
y7
b9−H2O

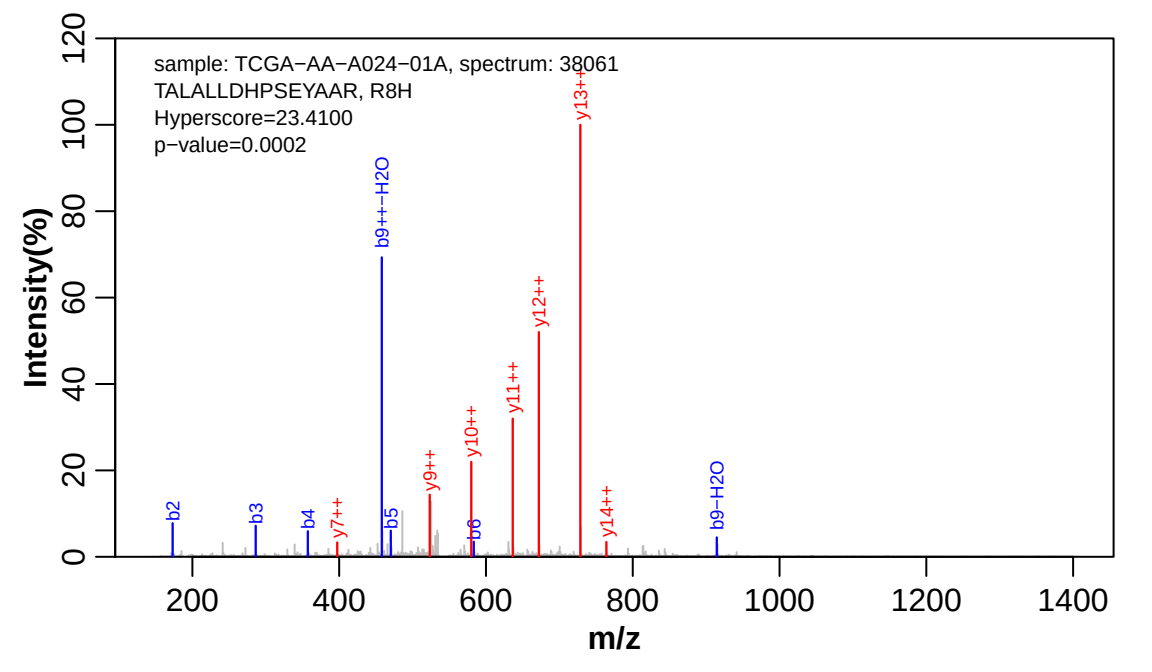

sample: TCGA−AA−A024−01A, spectrum: 74844
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=63.4246
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y4
y6
b23+++
b22++
b17++
y8
b20++
y11

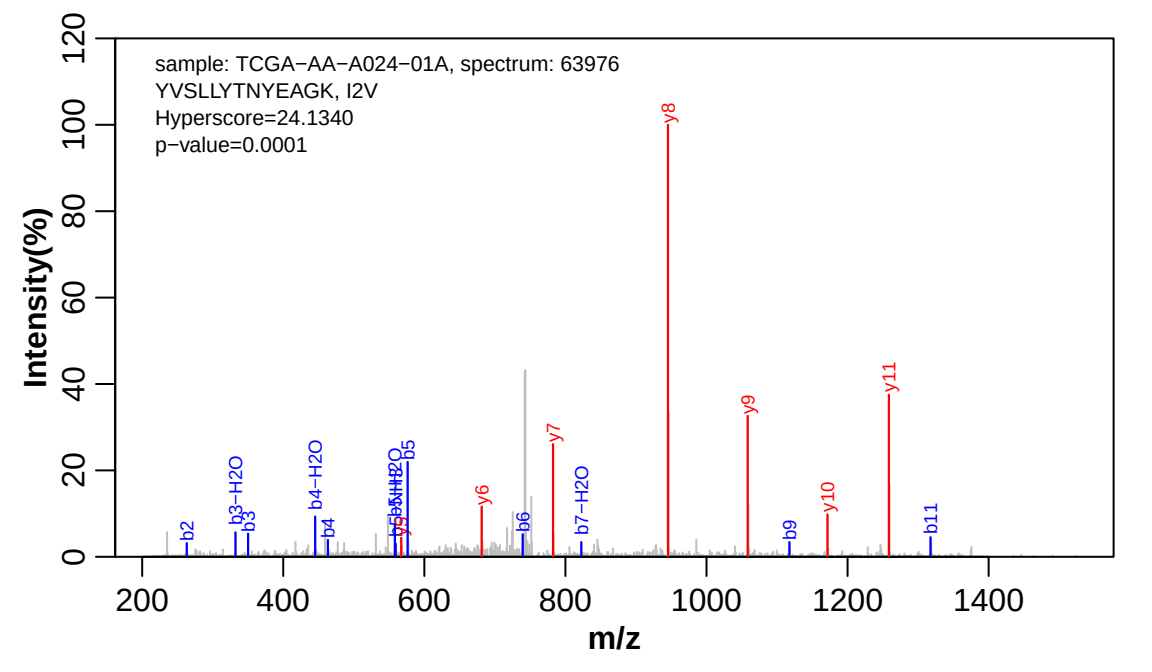

sample: TCGA−AA−A024−01A, spectrum: 4443
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7374
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5++−H2O
b3
b6−NH3
b6
y5−NH3
y12++
y13++
y14++
y15++
y16++
b11−NH3

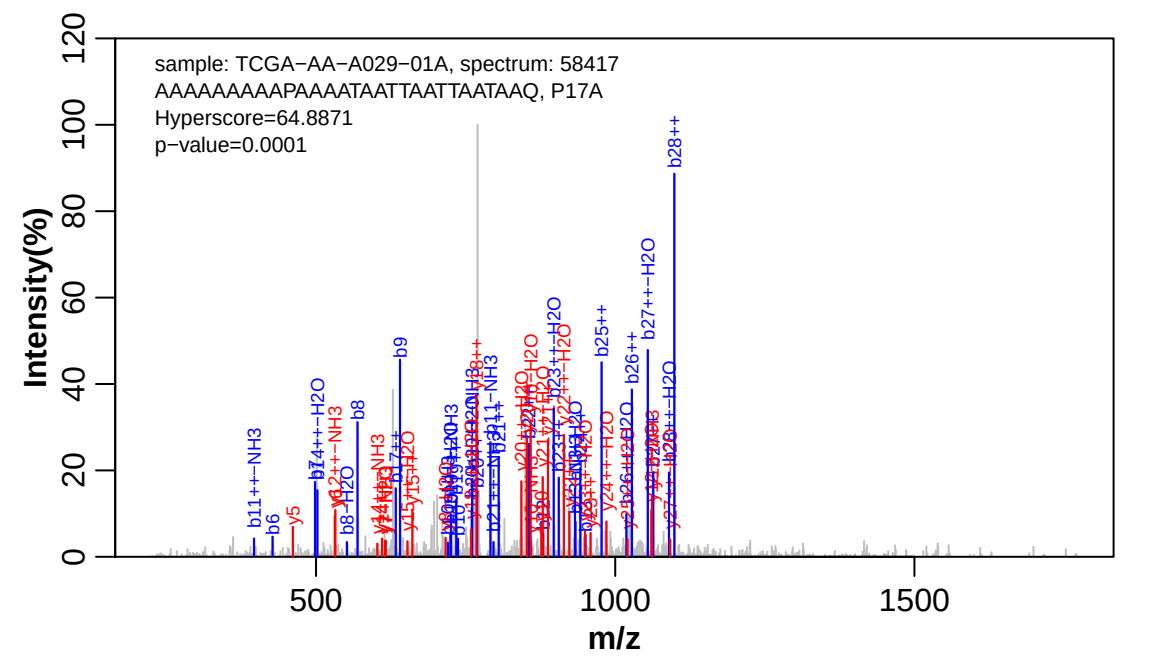

sample: TCGA−AA−A024−01A, spectrum: 53477
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=64.1947
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4−H2O
y4
b5−H2O
b5
y5
y7
y8
b8
b9−H2O−NH3
b9
y9
y10
b10−NH3
b11
b12−NH3
y12
y13
y13−H2O
b14
y14
y15
y16
y17−NH3
y17−H2O
b17
b18−NH3
b18

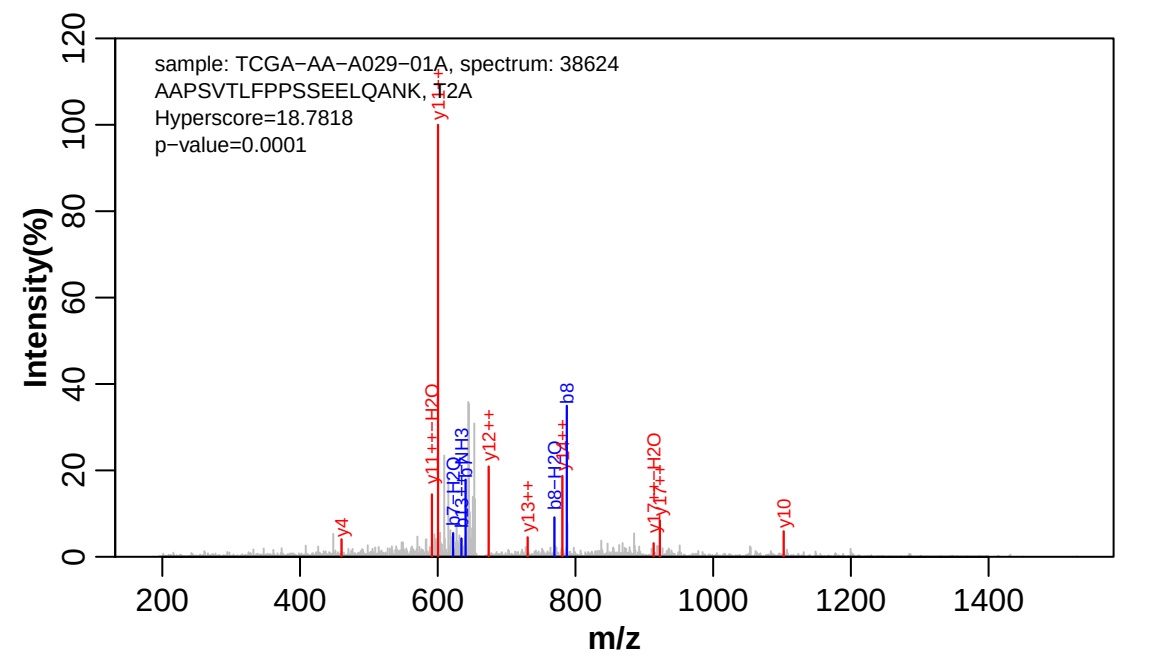

sample: TCGA−AA−A024−01A, spectrum: 48545
SPADPTDLGGQTSPR, I6T
Hyperscore=27.6460
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
b6
y5
y6
y7
y7-NH3
y7
b8-NH3
b8-H2O
y8-NH3
y8
y8
b9
y9
y10
y11-NH3
y11-H2O
y11
b12
b13
y12
y13

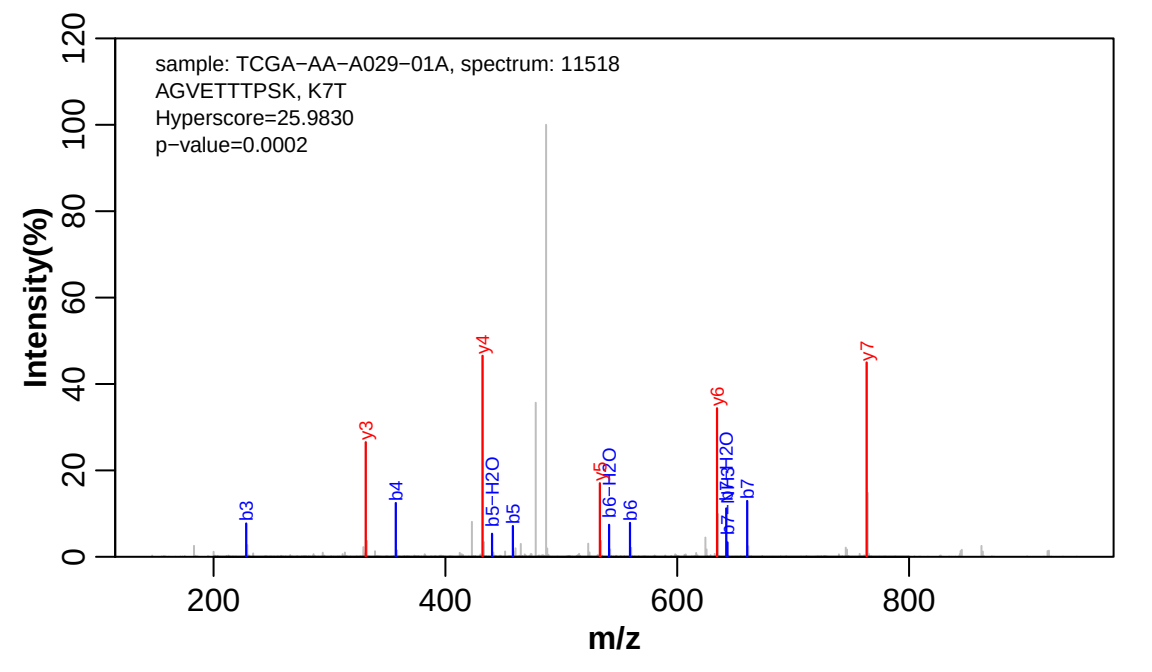

sample: TCGA−AA−A024−01A, spectrum: 41567
STESLQTNVQR, A7T
Hyperscore=47.3782
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y8
b5−H2O
y4
b3−H2O
y3
b4−H2O
b5
b5−NH3
b4
b3
y5−NH3
b6
b9
b10
b10−NH3

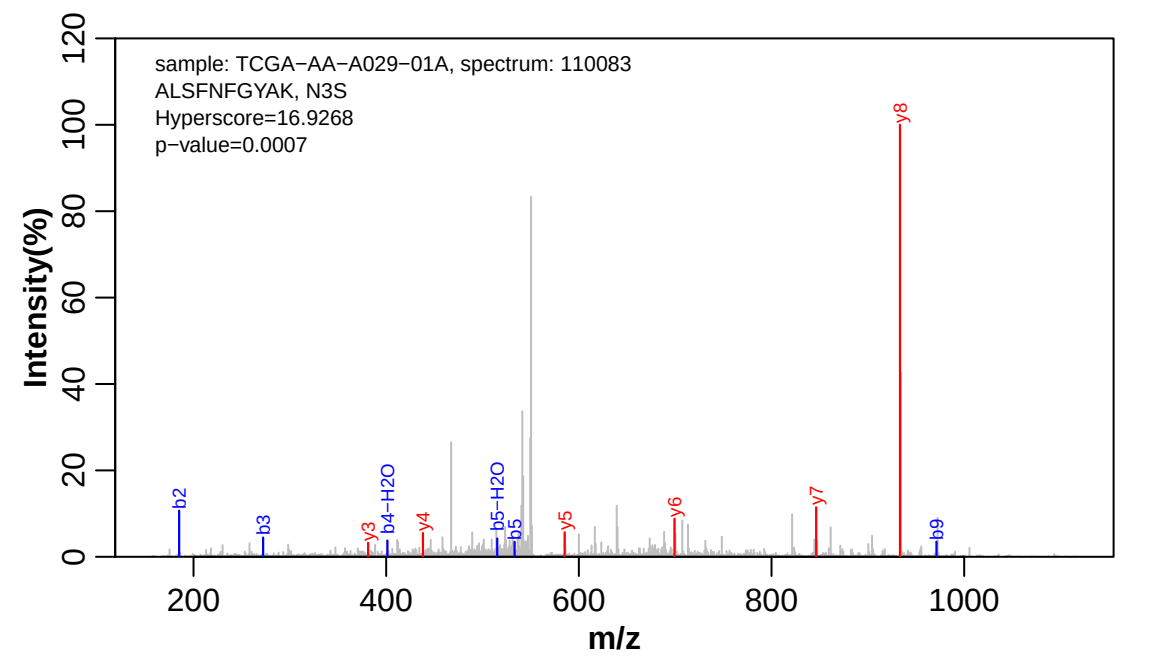

sample: TCGA−AA−A024−01A, spectrum: 38061
TALALLDHPSEYAAR, R8H
Hyperscore=23.4100
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b3
b4
y7++
b5
b9++−H2O
y9++
b6
y10++
y11++
y12++
y13++
y14++
b9−H2O

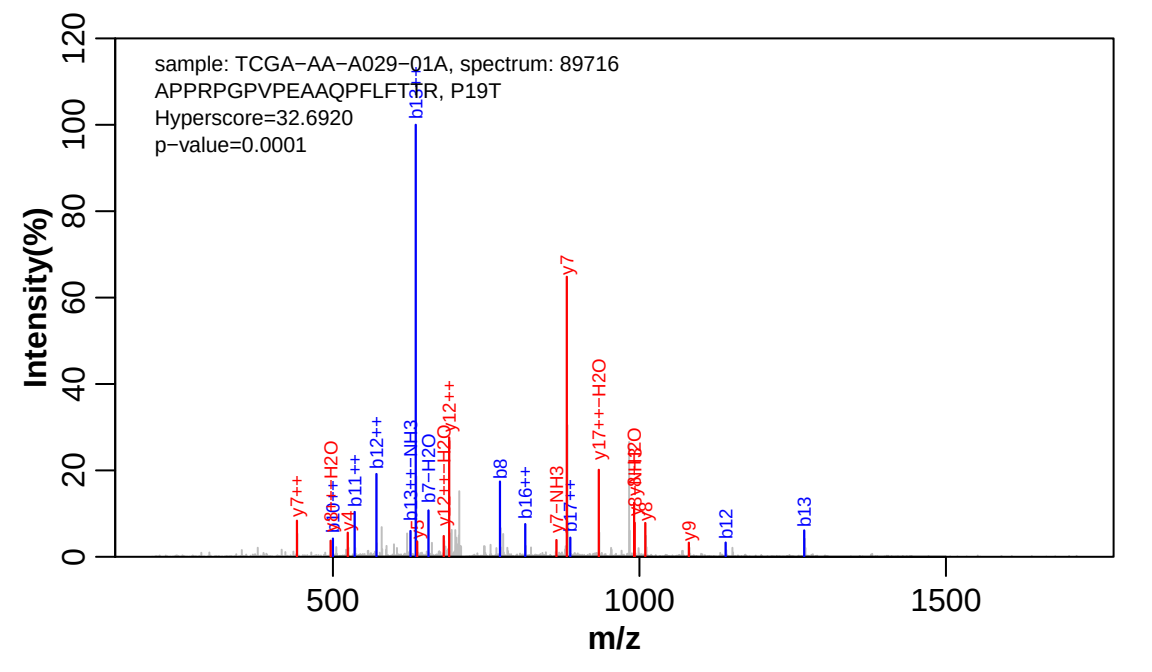

sample: TCGA−AA−A024−01A, spectrum: 63976
YVSLLYTNYEAGK, I2V
Hyperscore=24.1340
p−value=0.0001
Intensity(%)
m/z
y8
y9
y11
y7
y6
y10
b11
b9
b7−H2O
b6
b5
b4−H2O
b4
b3−H2O
b3
b2

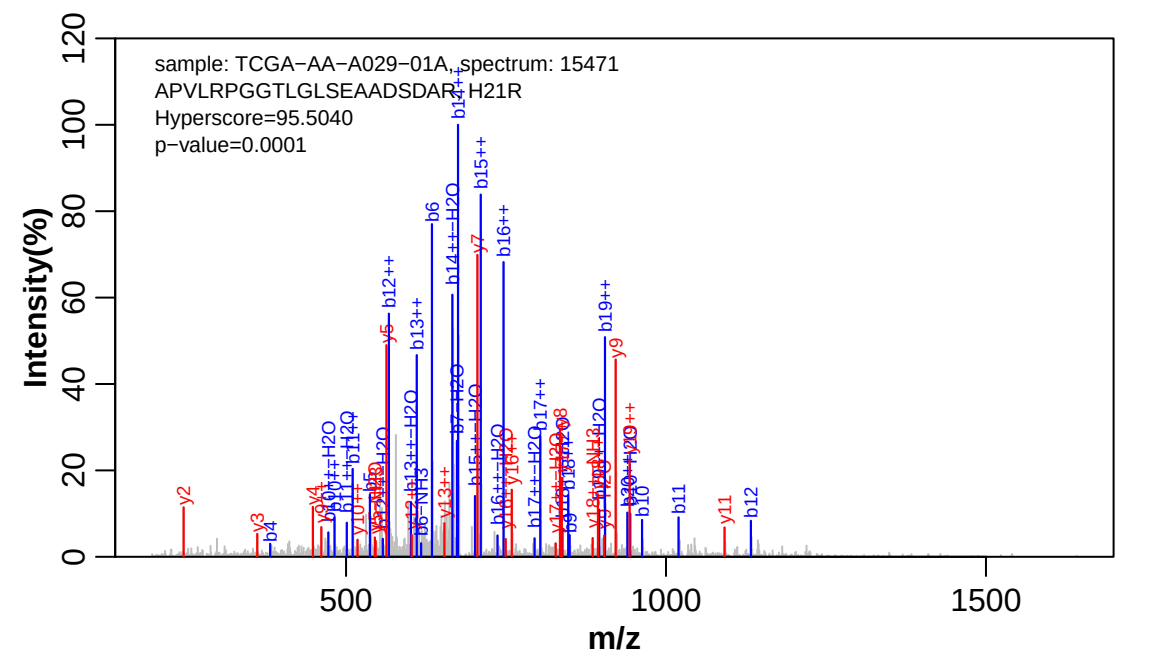

sample: TCGA−AA−A029−01A, spectrum: 58417
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=64.8871
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b27++−H2O
b25++
b26++
b11++−NH3
b6
y5
b74++−H2O
b8
b9
y24++−H2O

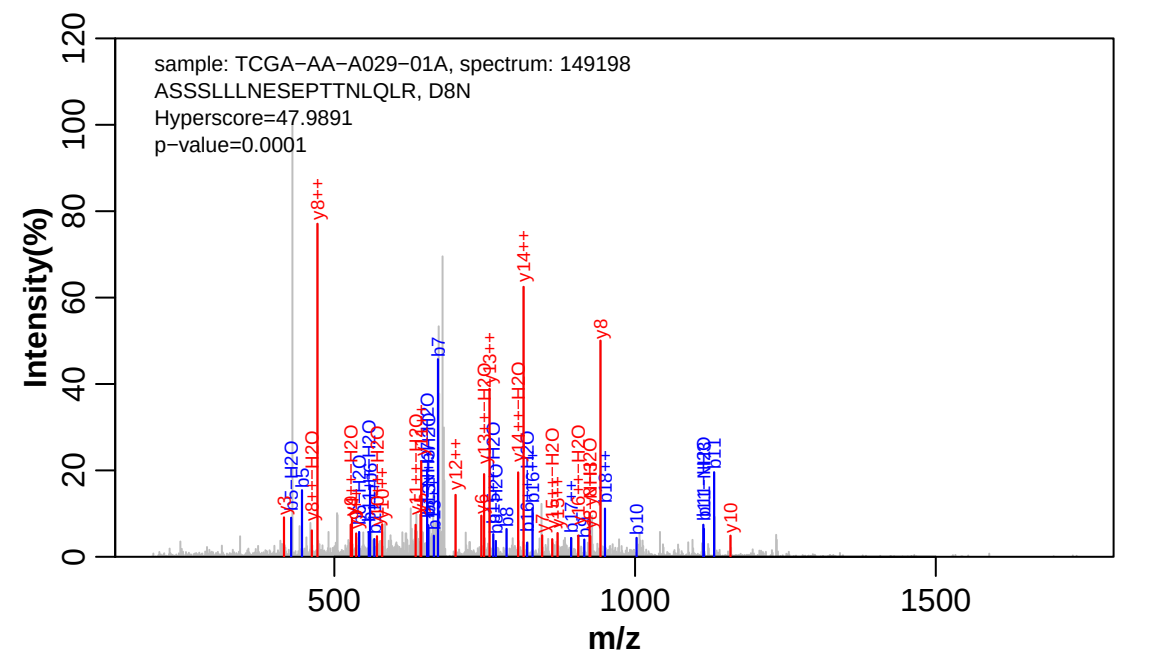

sample: TCGA−AA−A029−01A, spectrum: 38624
AAPSVTLFPPSSEELQANK, +2A
Hyperscore=18.7818
p−value=0.0001
Intensity(%)
m/z
y11++
y11++−H2O
y12++
y13++
y4
b8
b8−H2O
y17++
y17++−H2O
y10

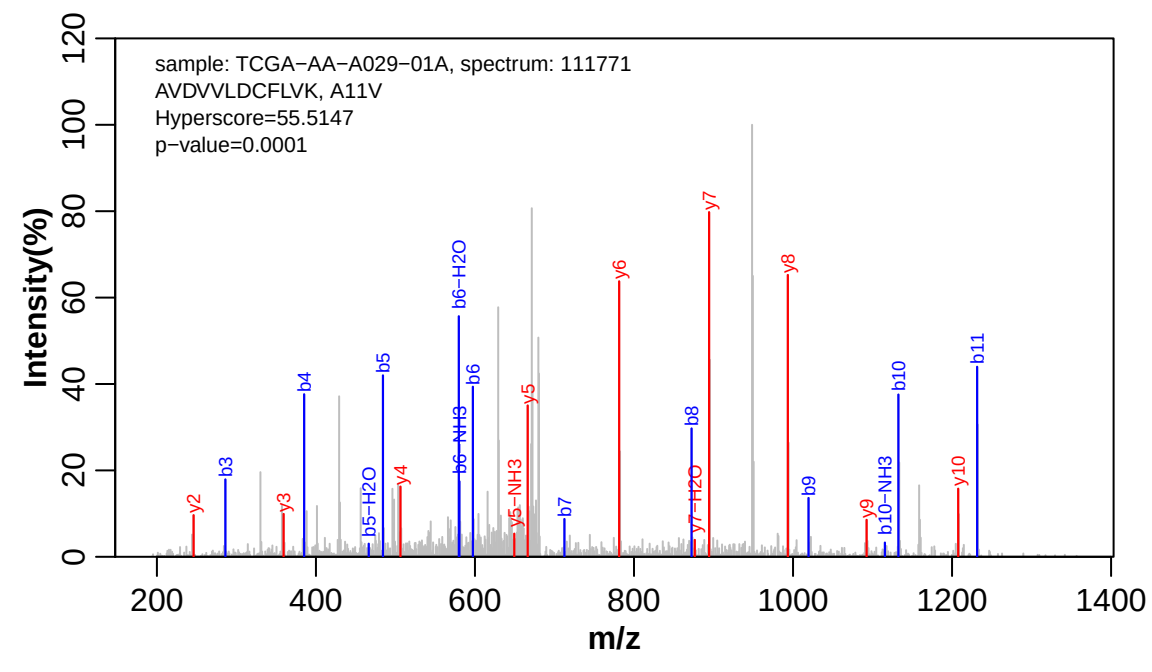

sample: TCGA−AA−A029−01A, spectrum: 11518
AGVETTTPSK, K7T
Hyperscore=25.9830
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3−H2O
b7−NH3
b7
y7

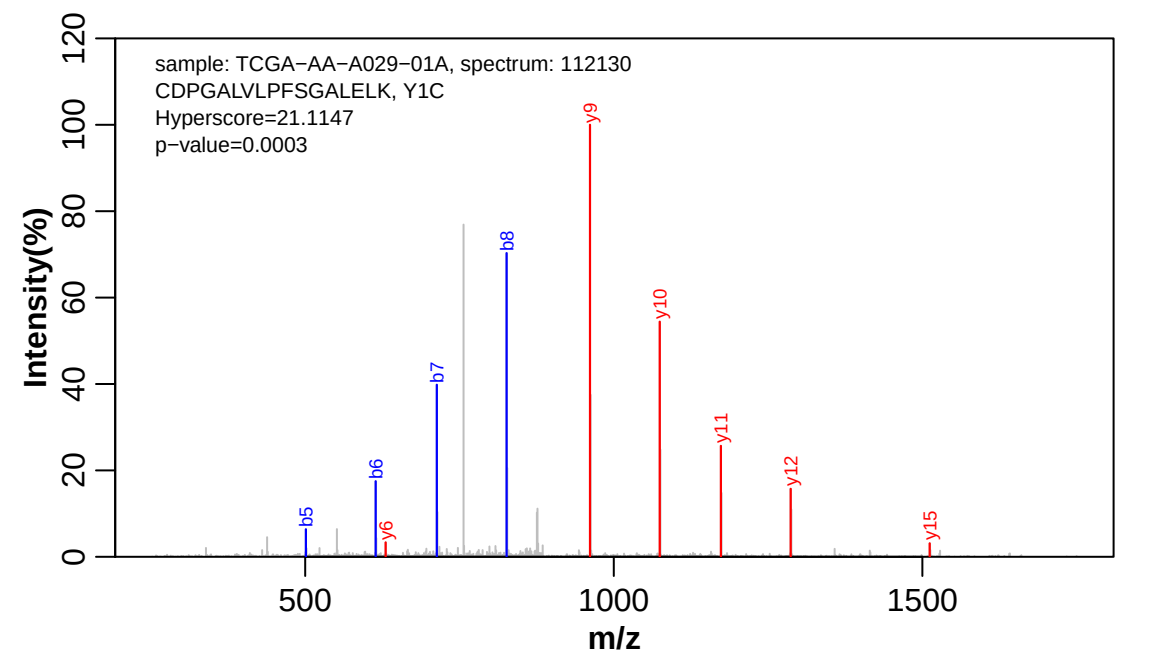

sample: TCGA−AA−A029−01A, spectrum: 110083
ALSFNFGYAK, N3S
Hyperscore=16.9268
p−value=0.0007
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
y3
b4−H2O
y4
b5−H2O
b5
y5
y6
y7
y8
b9

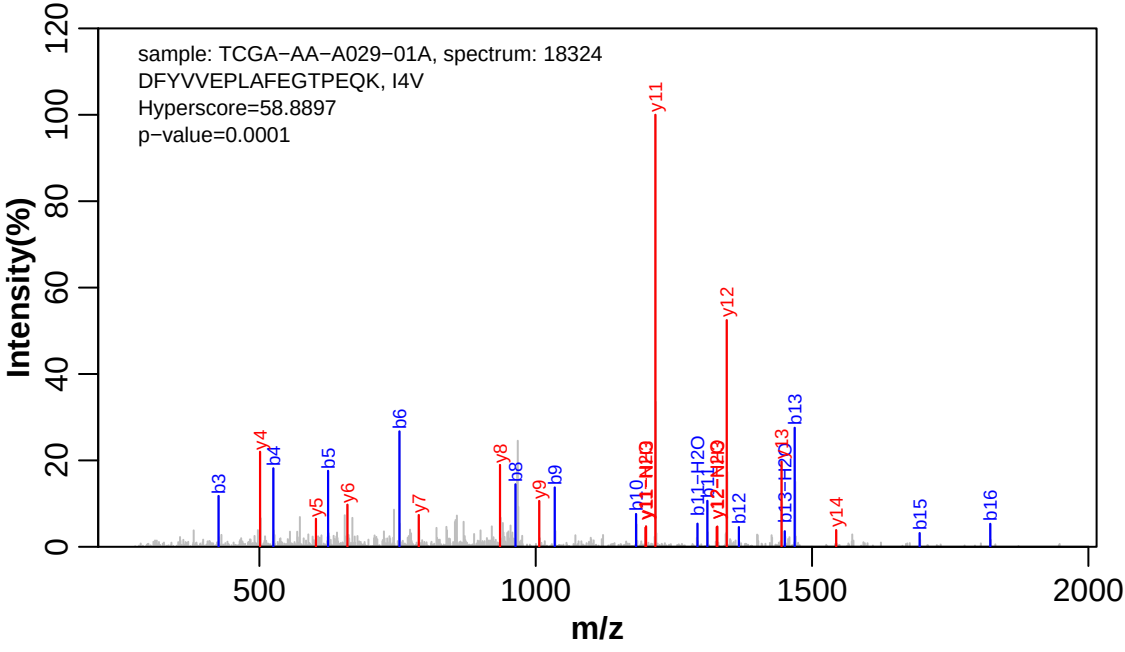

sample: TCGA−AA−A029−01A, spectrum: 89716
APPRPGPVPEAAQPFLFTHR, P19T
Hyperscore=32.6920
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b12++
y7++
b11++
b12++
b13++−NH3
b7−H2O
y12++−H2O
y12++
b8
b16++
y7−NH3
b17++
y7
y17++−H2O
y9
b12
b13

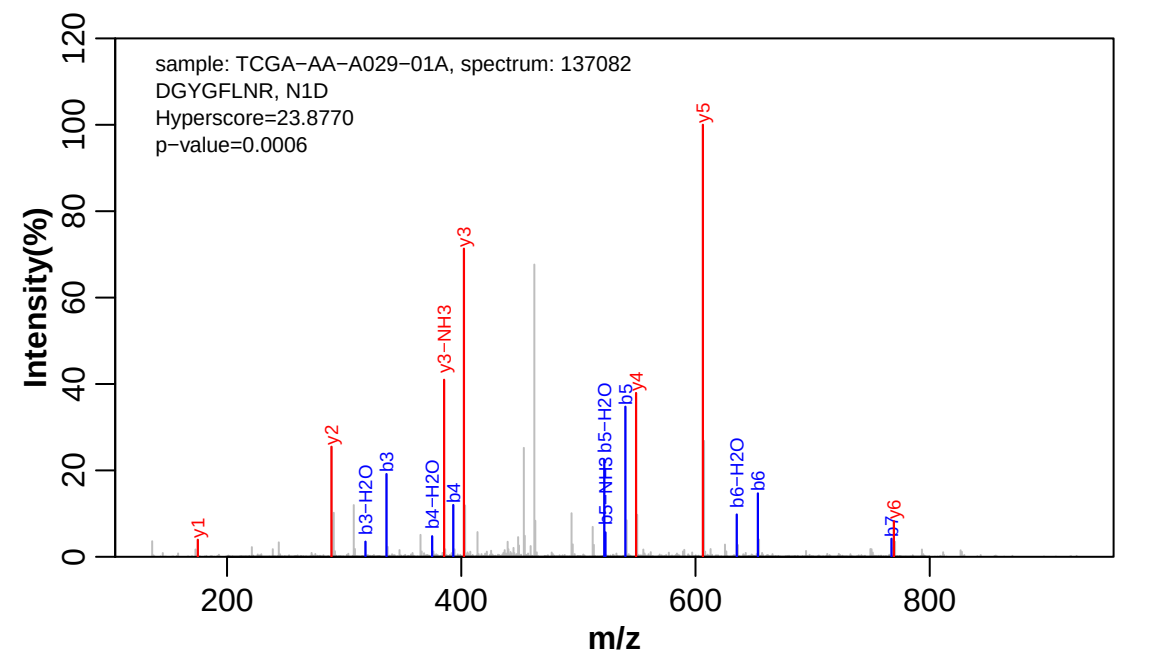

sample: TCGA−AA−A029−01A, spectrum: 15471
APVLRPGGTLGLSEAADSDAR+H21R
Hyperscore=95.5040
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
b4
y4
b5
b5−NH3
b5−H2O
b6
b6−NH3
b6−H2O
y5
b12++
b13++
b13++−H2O
b7
b7−H2O
b14++
b14++−H2O
y7
b15++
b15++−H2O
b16++
b16++−H2O
y16++
b17++
b17++−H2O
b19++
y9
b20++−H2O
b10
b11
y11
b12

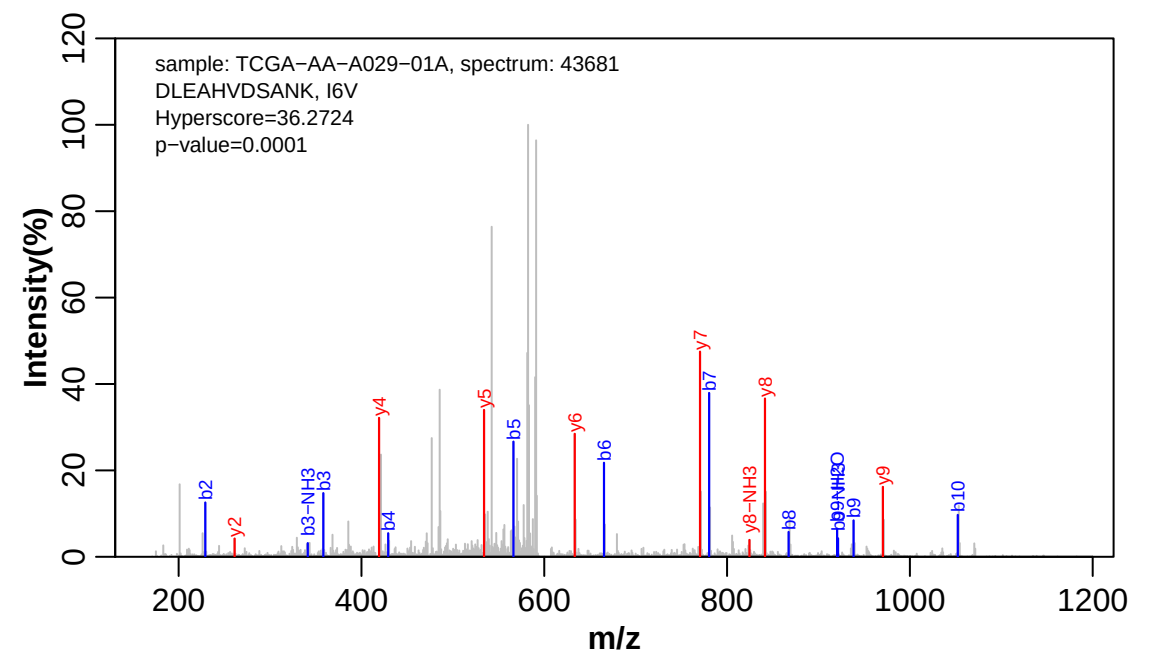

sample: TCGA−AA−A029−01A, spectrum: 149198
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=47.9891
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
y14++
y8
b7
y12++
y10
b10
b11
b5
y6

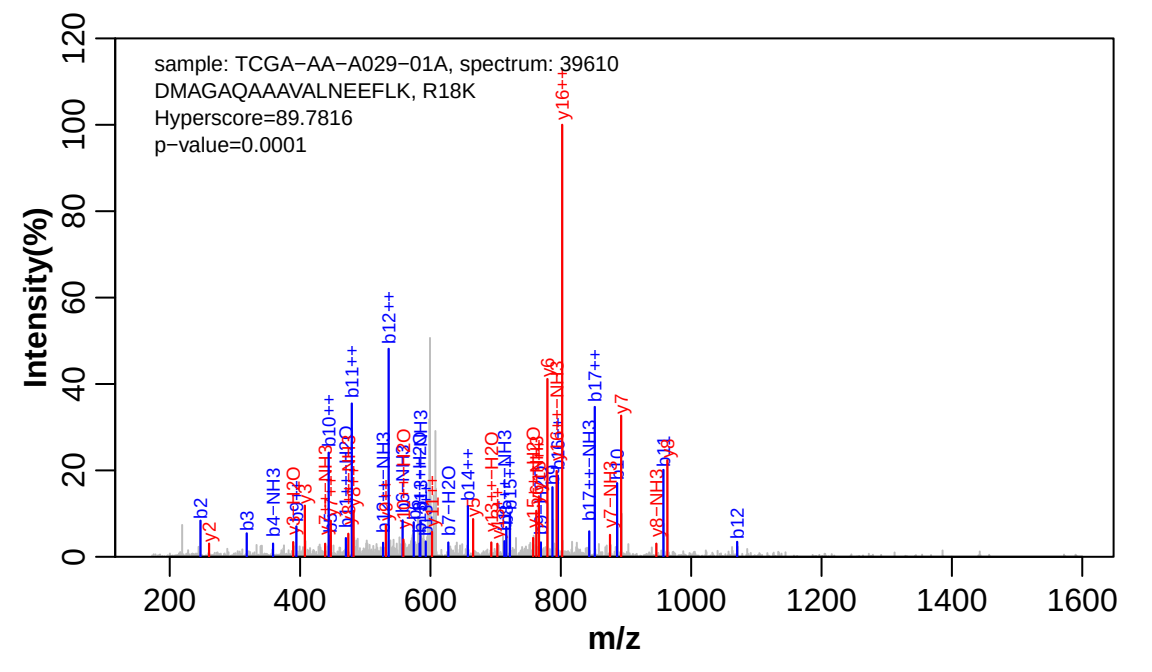

sample: TCGA−AA−A029−01A, spectrum: 111771
AVDVVLDCFLVK, A11V
Hyperscore=55.5147
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
b5−H2O
b5
y4
b6−H2O
b6−NH3
b6
y5
y5−NH3
b7
y6
y7−H2O
b8
y7
y8
b9
y9
b10−NH3
b10
y10
b11

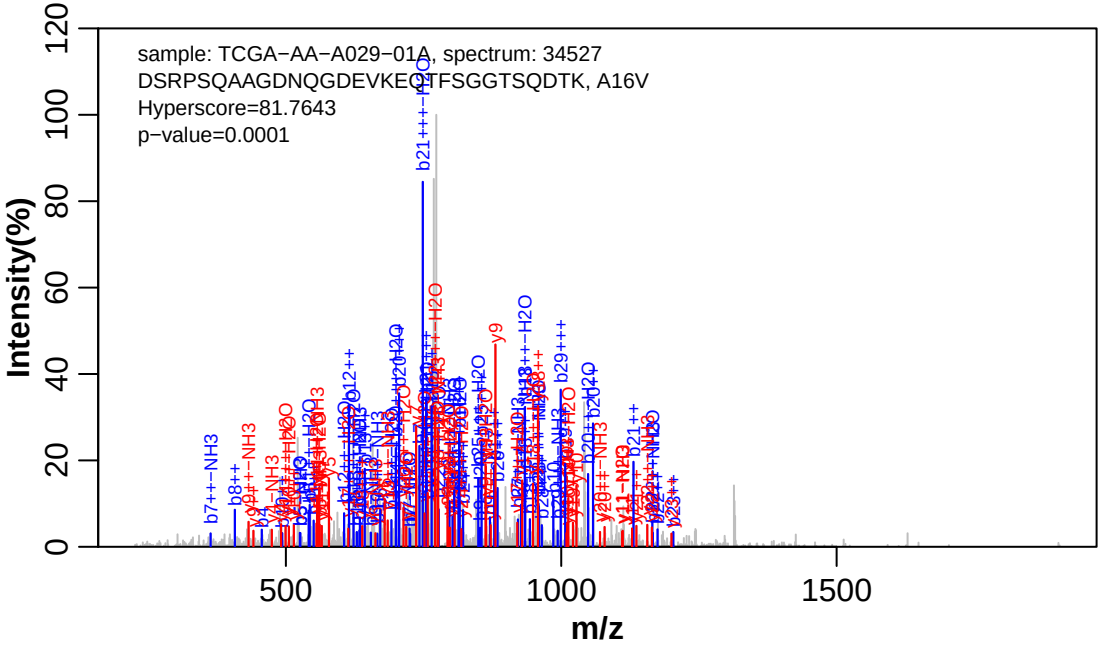

sample: TCGA−AA−A029−01A, spectrum: 112130
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.1147
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6
y6
b7
b8
y9
y10
y11
y12
y15

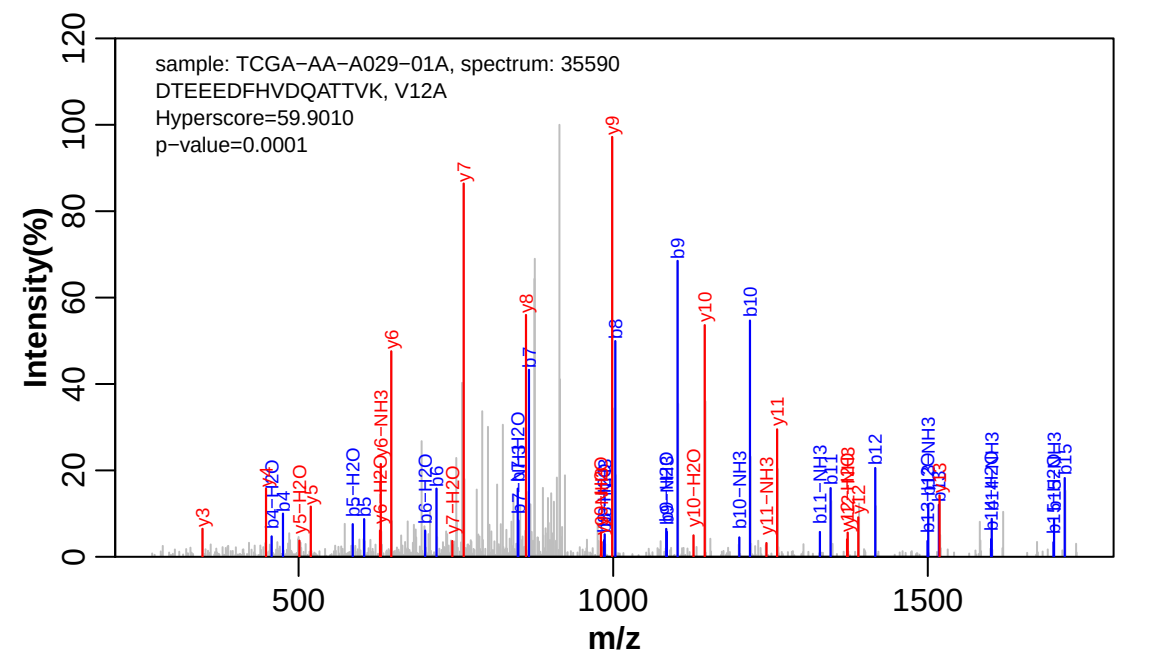

sample: TCGA−AA−A029−01A, spectrum: 18324
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=58.8897
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
b5
y5
y6
b6
y7
y8
b8
y9
b9
b10
y11
b11−H2O
y12
b12
b13
b13−H2O
y14
b15
b16

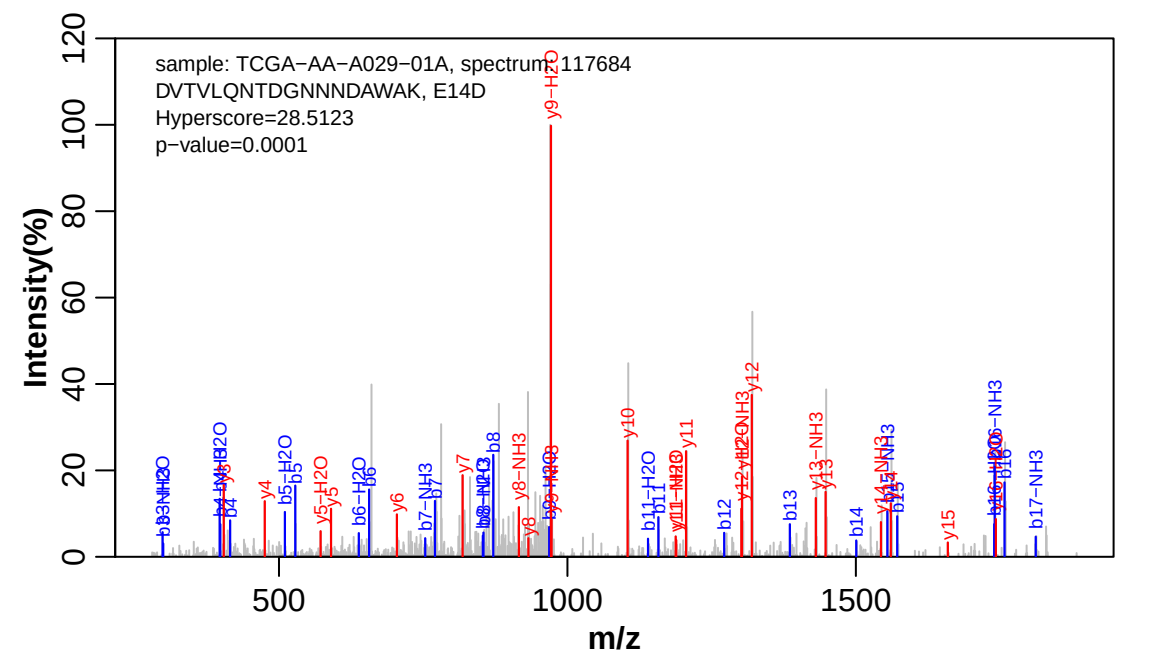

sample: TCGA−AA−A029−01A, spectrum: 137082
DGYGFLNR, N1D
Hyperscore=23.8770
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
y3
b4
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

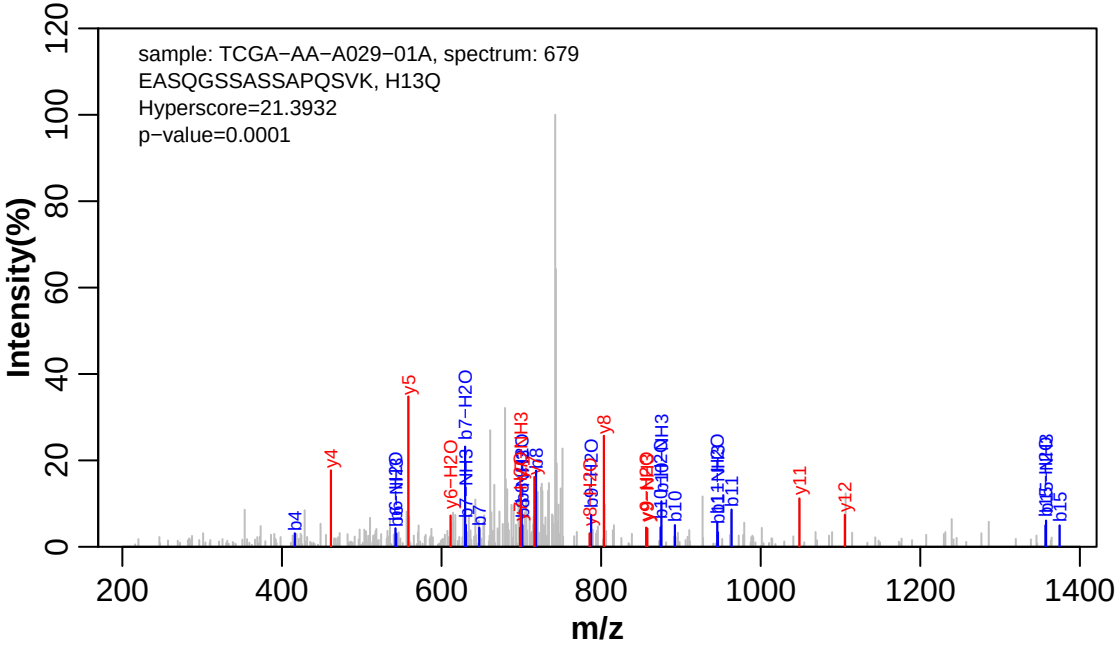

sample: TCGA−AA−A029−01A, spectrum: 43681
DLEAHVDSANK, I6V
Hyperscore=36.2724
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−NH3
b3
y4
b4
y5
b5
y6
b6
y7
b7
y8
y8−NH3
b8
b9
y9
b10

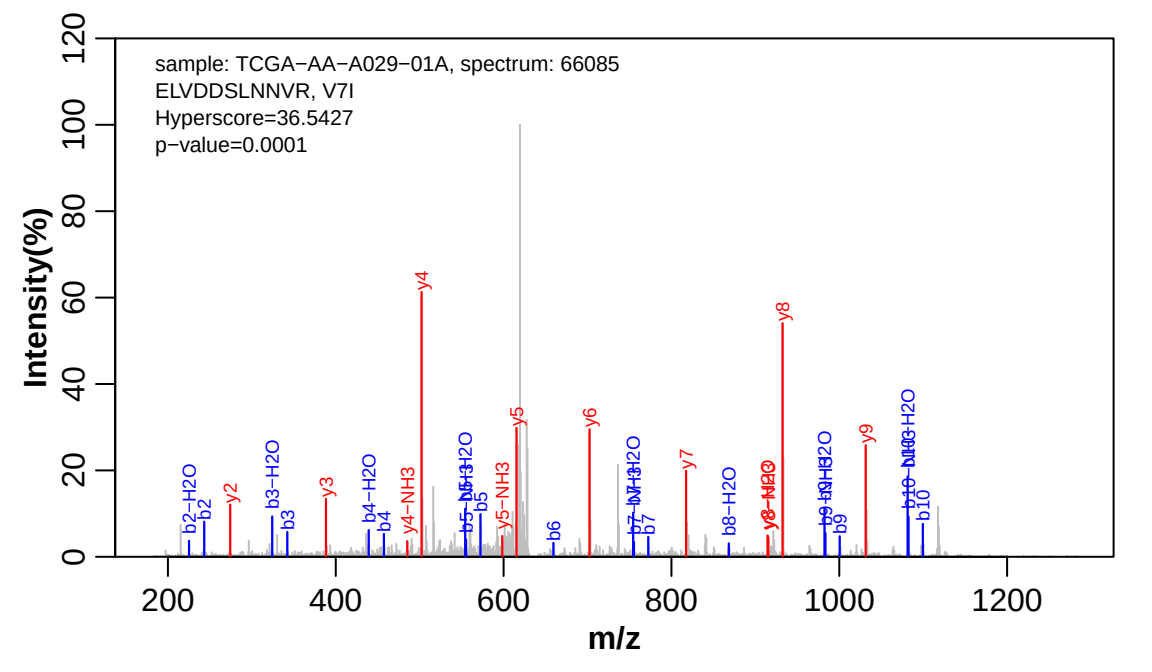

sample: TCGA−AA−A029−01A, spectrum: 39610
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=89.7816
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y16++
b12++
y7
b12
y2
b2
b3
b4−NH3
b7−H2O
b11++
b17++
b17++−NH3
y7−NH3
y8−NH3
b14++−NH3
b14++−H2O
b14++
y6
y8
y14
b10++
b15+−NH3
y16++−NH3

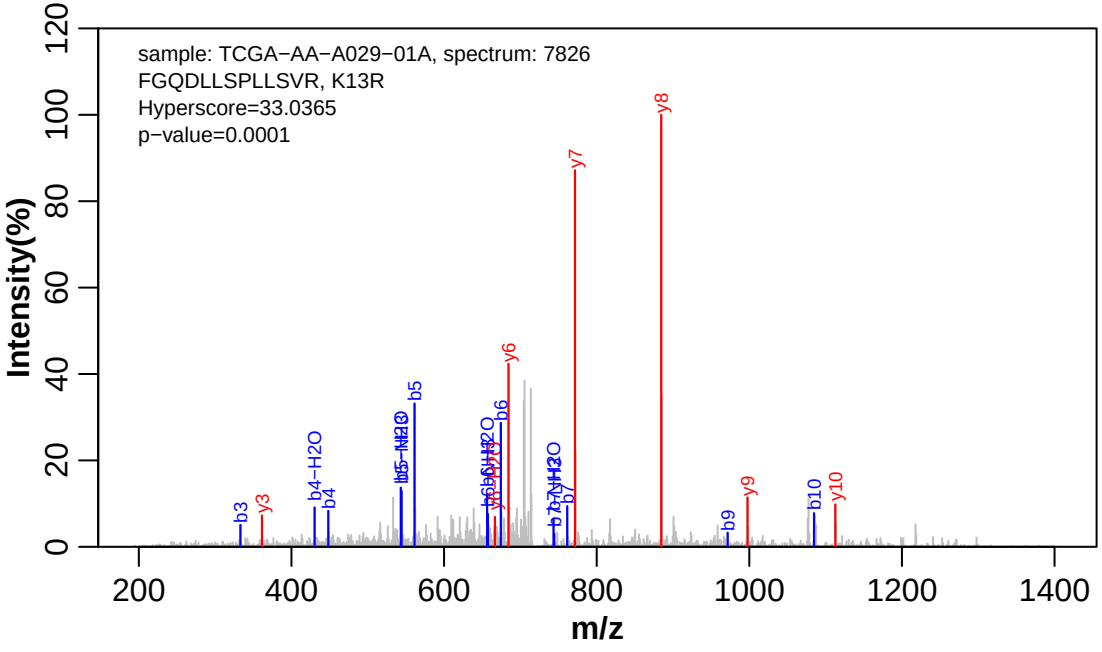

sample: TCGA−AA−A029−01A, spectrum: 34527
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=81.7643
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

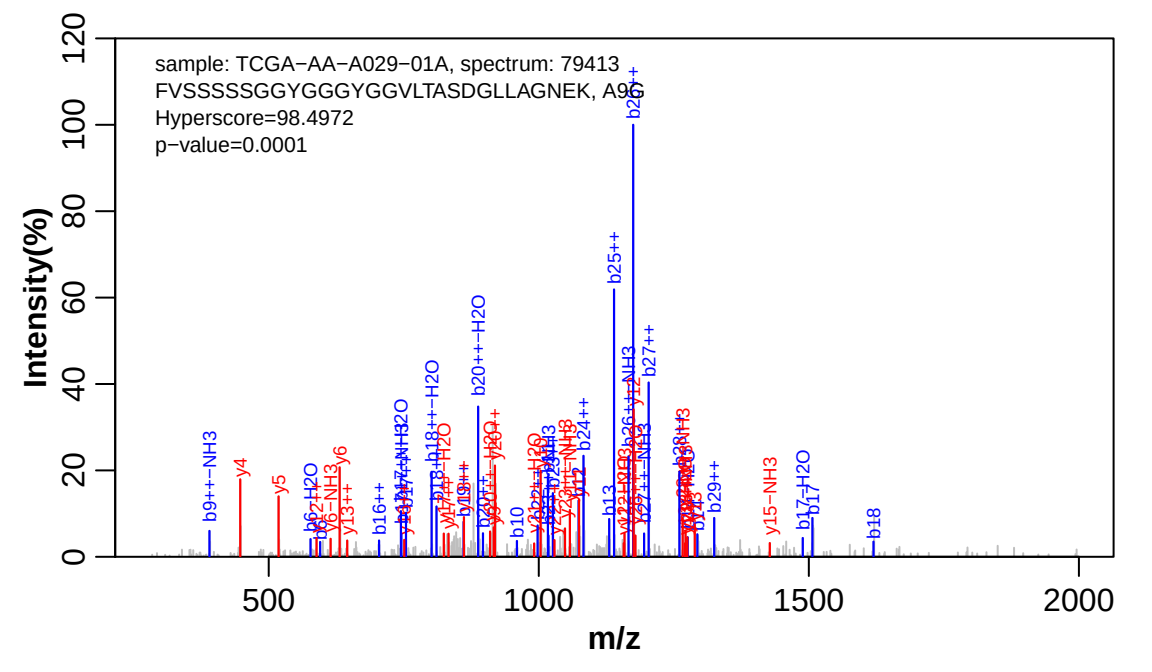

sample: TCGA−AA−A029−01A, spectrum: 35590
DTEEEDFHVDQATTVK, V12A
Hyperscore=59.9010
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
b4−H2O
b4
y5−H2O
y5
b5−H2O
b5
y6−H2O
y6−NH3
y6
b6−H2O
b6
y7−H2O
y7
b7−NH3
b7−H2O
b7
y8
b8
y9
b9
y10−H2O
y10
b10−NH3
b10
y11−NH3
y11
b11−NH3
b11
b12

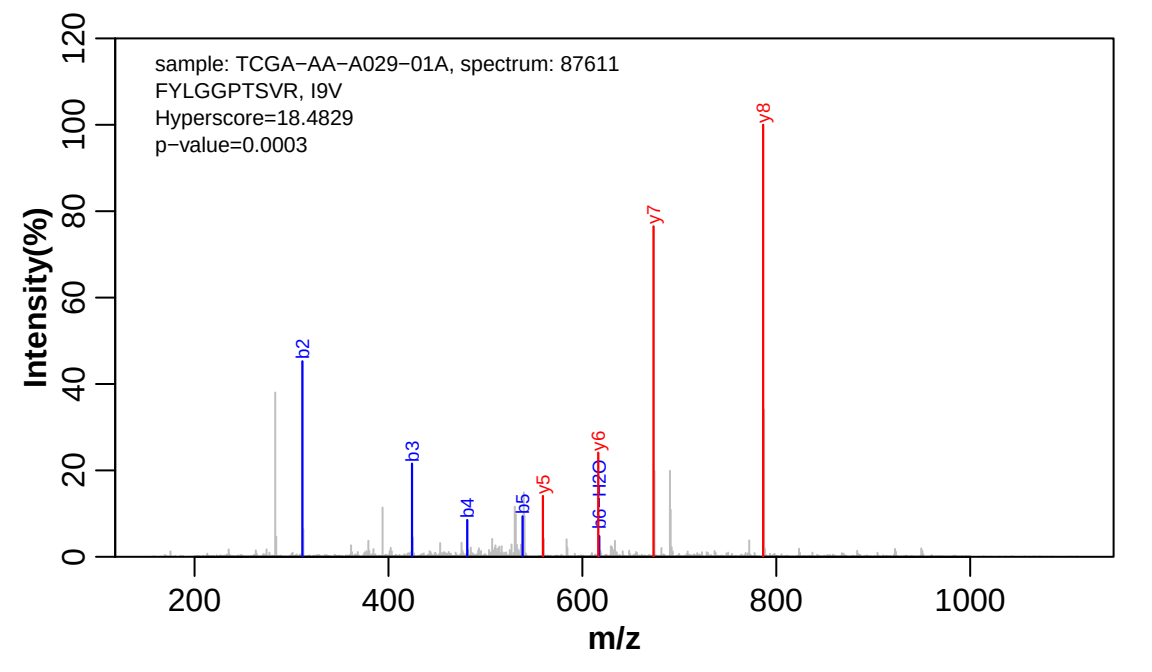

sample: TCGA−AA−A029−01A, spectrum: 117684
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=28.5123
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9−H2O
y10
y11
y12
y13
y15
b11−H2O
b12
b13
b14
b17−NH3
y4
y5−H2O
y6
y7
y8−NH3
b5
b6−H2O
b7−NH3
b8

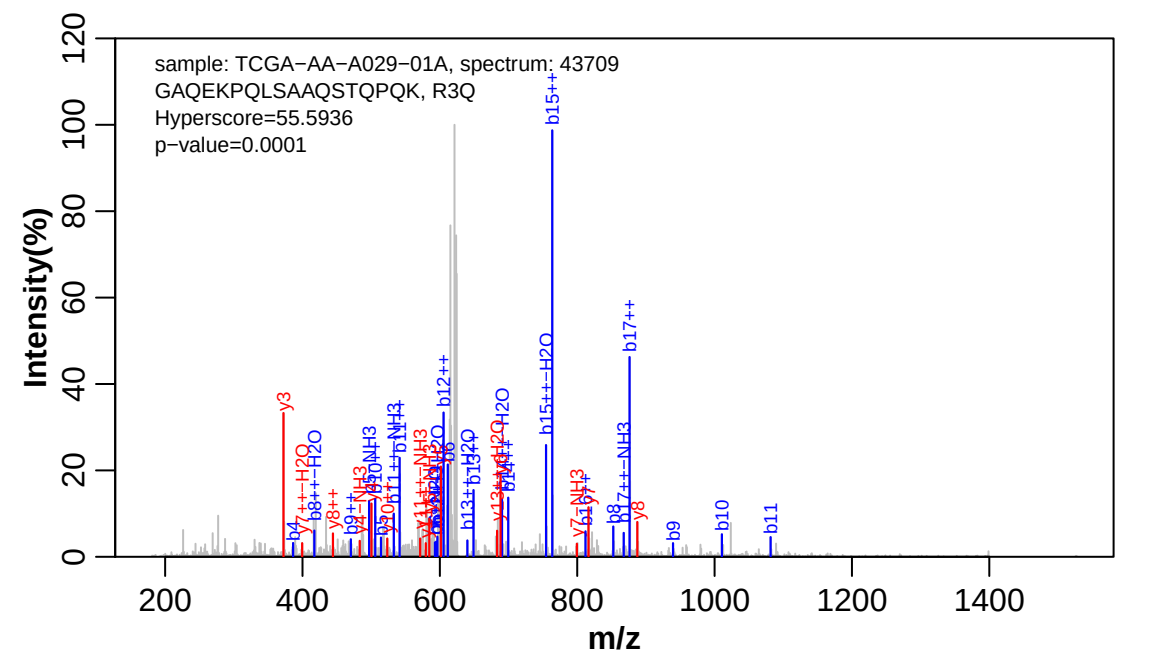

sample: TCGA−AA−A029−01A, spectrum: 679
EASQGSSASSAPQSVK, H13Q
Hyperscore=21.3932
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4
y4
y5
y6−H2O
b7−NH3
b7
b7−H2O
y8
y8−H2O
y8−NH3
b10
y11
y12
b15

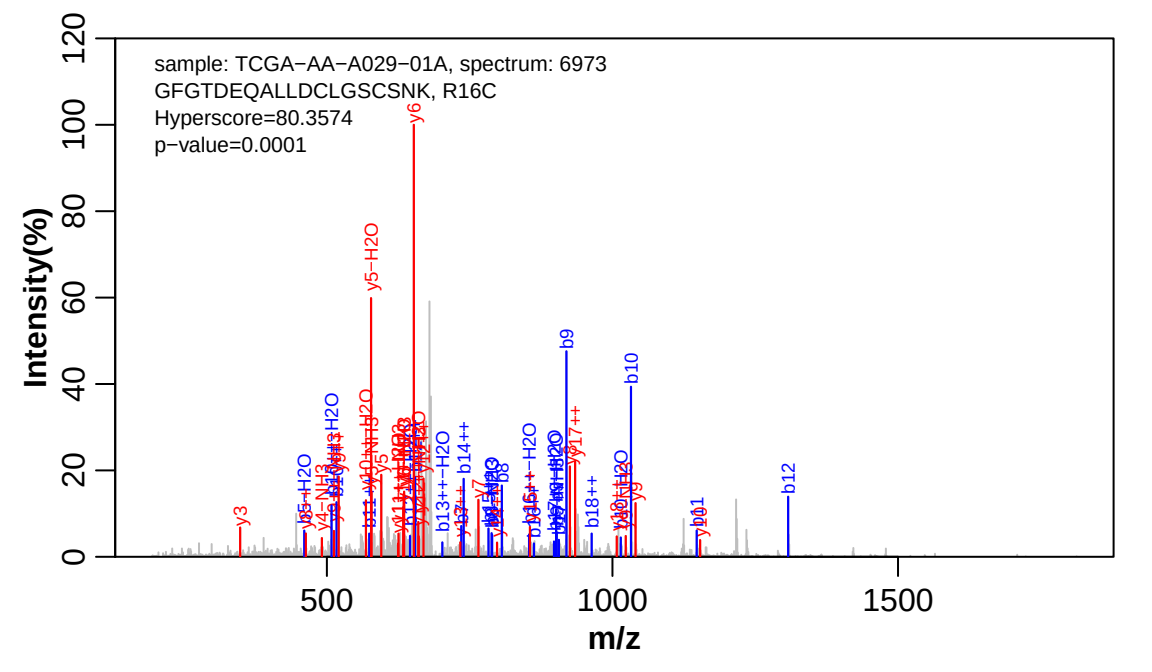

sample: TCGA−AA−A029−01A, spectrum: 66085
ELVDDSLNNVR, V7I
Hyperscore=36.5427
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
b5−H2O
b5
y5−NH3
y5
b6
y6
b7−NH3
b7−H2O
b7
y7
b8−H2O
y8
b9−NH3
b9−H2O
b9
y9
b10−NH3
b10−H2O
b10

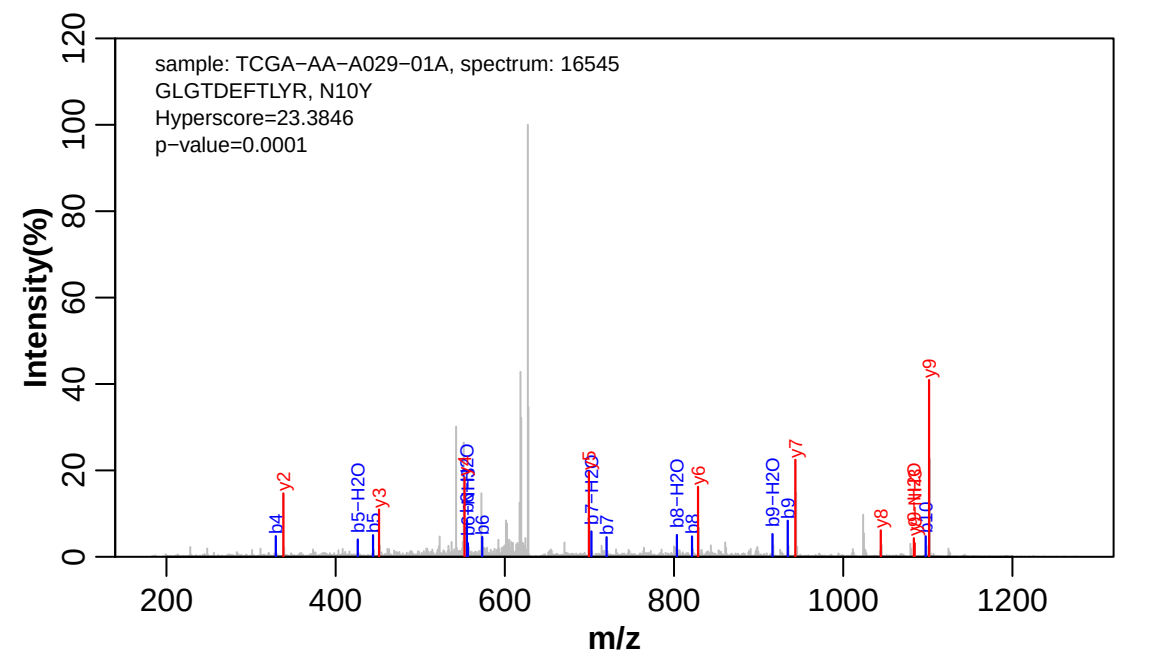

sample: TCGA−AA−A029−01A, spectrum: 7826
FGQDLLSPLLSVR, K13R
Hyperscore=33.0365
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5
y6
b6
y7
y8
b7
b9
y9
b10
y10

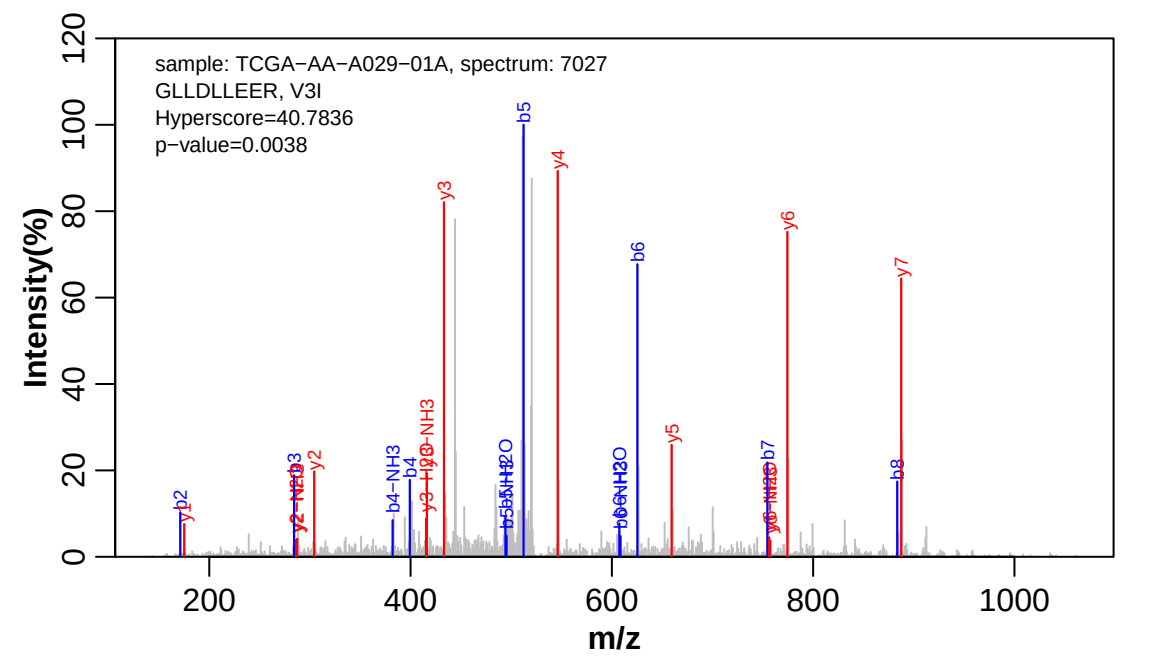

sample: TCGA−AA−A029−01A, spectrum: 79413
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=98.4972
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
b6−H2O
b6−NH3
y6
y13++
b16++
b18++−H2O
b20++−H2O
b10
b24++
b13
b25++
b26++−NH3
b27++
b29++
y15−NH3
b17−H2O
b18

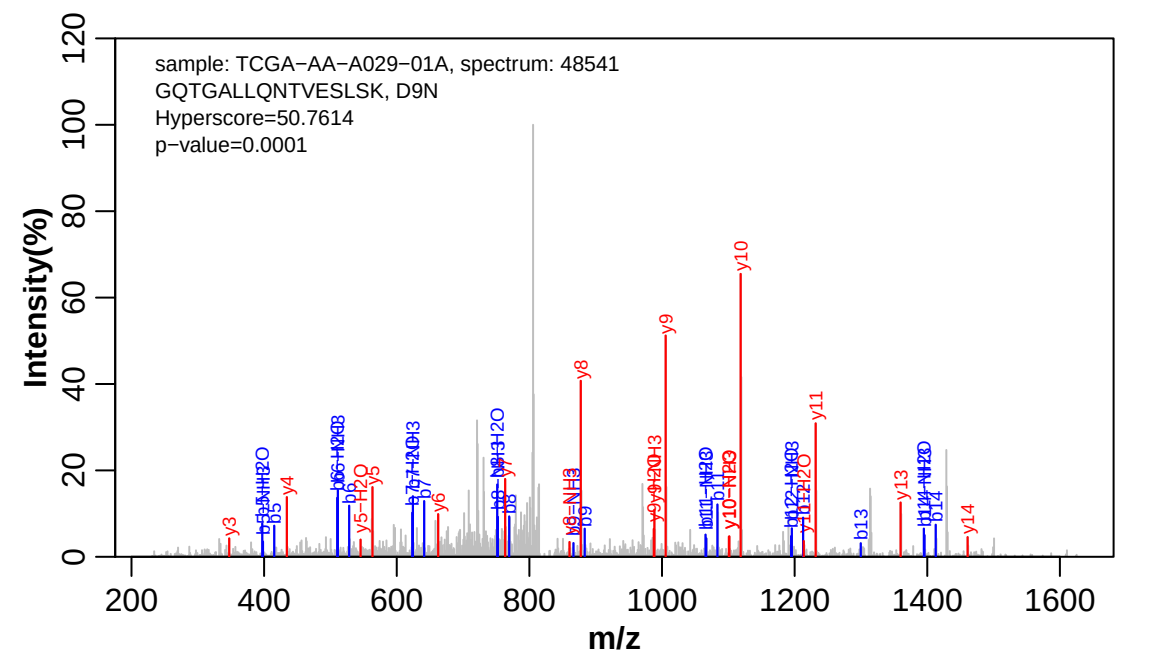

sample: TCGA−AA−A029−01A, spectrum: 87611
FYLGGPTSVR, I9V
Hyperscore=18.4829
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8

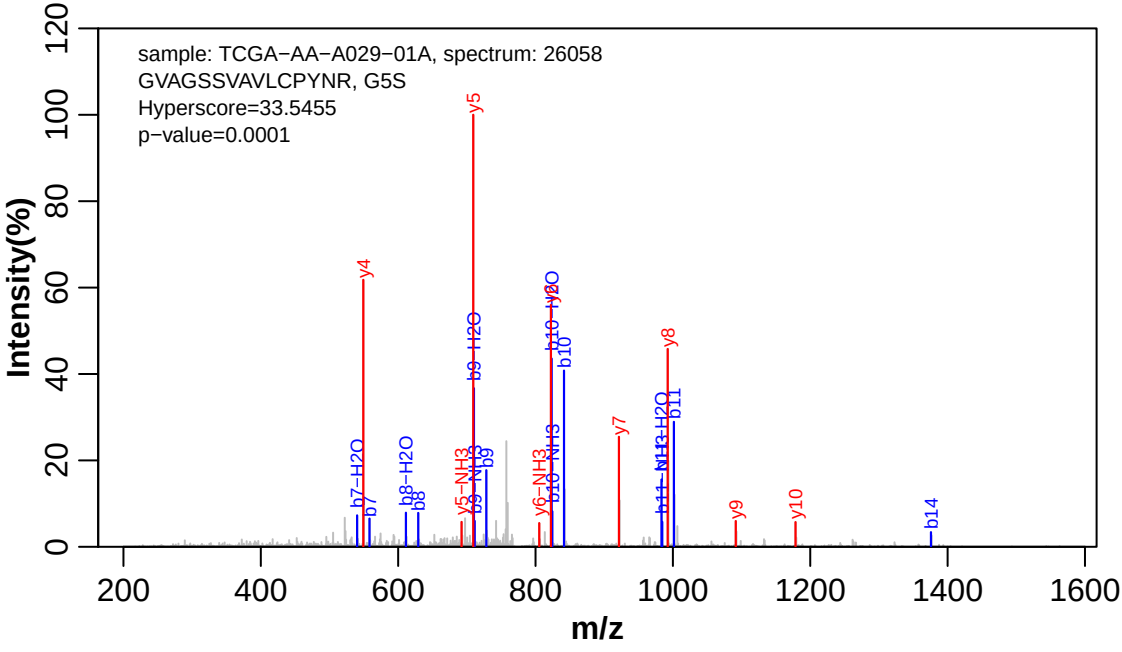

sample: TCGA−AA−A029−01A, spectrum: 43709
GAQEKPQLSAAQSTQPQK, R3Q
Hyperscore=55.5936
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b15++
y3
b17++
b12++
b15++−H2O
b8++−H2O
b17++−NH3
y8++−H2O
y8++
b8++
b9++
b10++−NH3
b11++−NH3
b11++
b13++
b9
b10
b11

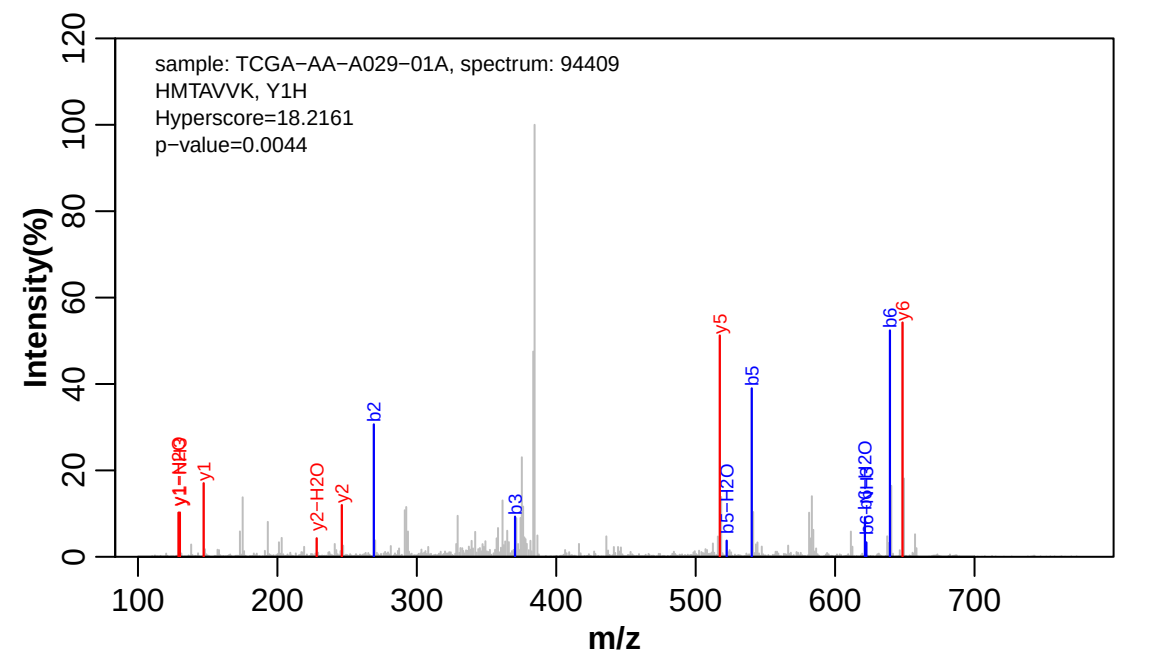

sample: TCGA−AA−A029−01A, spectrum: 6973
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=80.3574
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
y5
y3
b9
b10
b12
b14++
b13++−H2O
y17++
b18++
y9
y10
b11
y11
b8
b15++−H2O
y7
b16++
y12
b17++
y13
y14
y15
y16
y18
y19
y20
y21
y22
y23
y24
y25
y26
y27
y28
y29
y30
y31
y32
y33
y34
y35
y36
y37
y38
y39
y40
y41
y42
y43
y44
y45
y46
y47
y48
y49
y50
y51
y52
y53
y54
y55
y56
y57

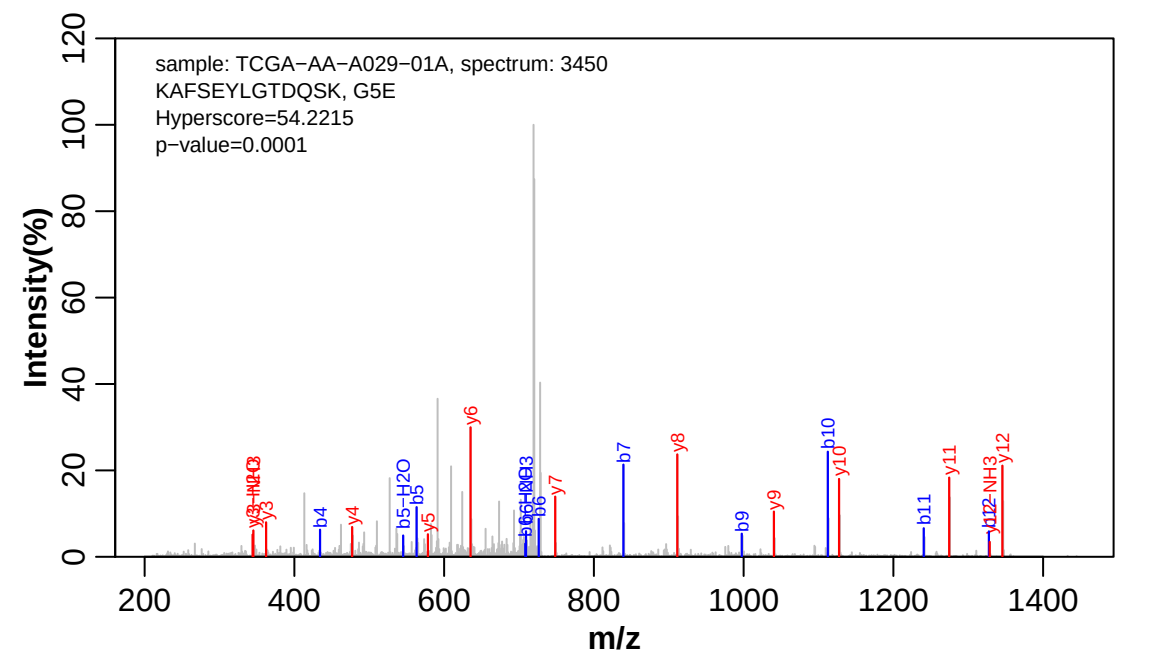

sample: TCGA−AA−A029−01A, spectrum: 16545
GLGTDEFTLYR, N10Y
Hyperscore=23.3846
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b4
y2
b5−H2O
b5
y3
b6
b7−H2O
b7
b8−H2O
b8
y6
b9−H2O
b9
y7
y8
y9
b10

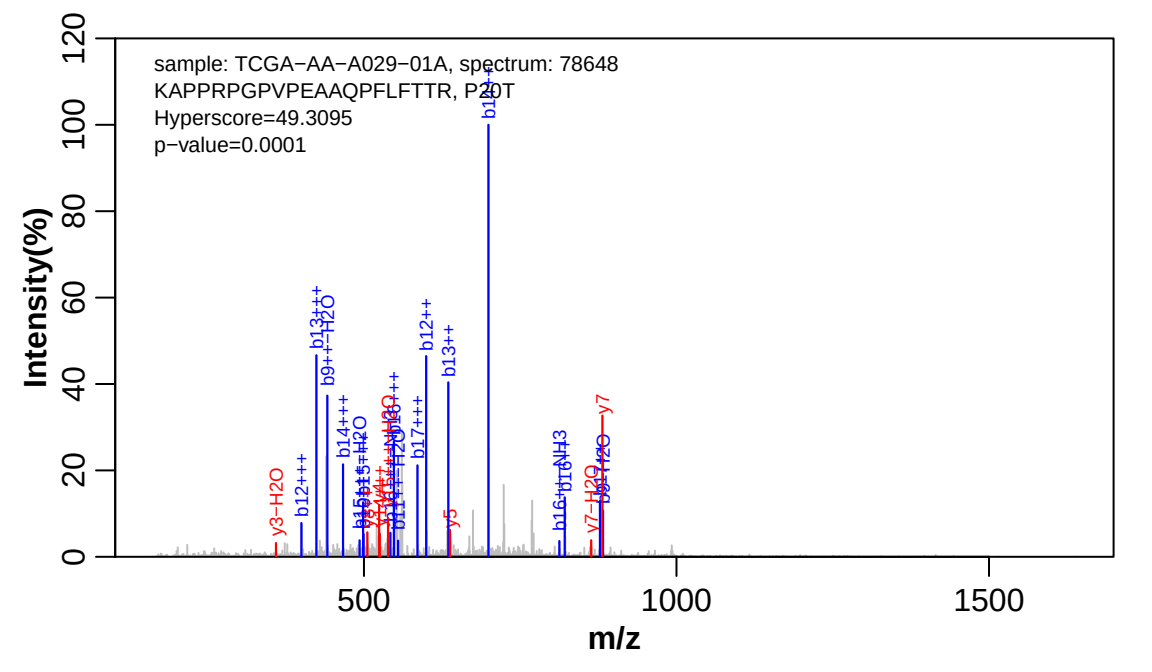

sample: TCGA−AA−A029−01A, spectrum: 7027
GLLDLLEER, V3I
Hyperscore=40.7836
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b5
y4
y3
y6
b6
y7
y5
b7
b8
y2
b4
b4−NH3
y3−NH3
y3−H2O
b5−NH3
b5−H2O
b6−NH3
b6−H2O
y6−NH3
y6−H2O
y2−NH3
y2−H2O
b2
y2

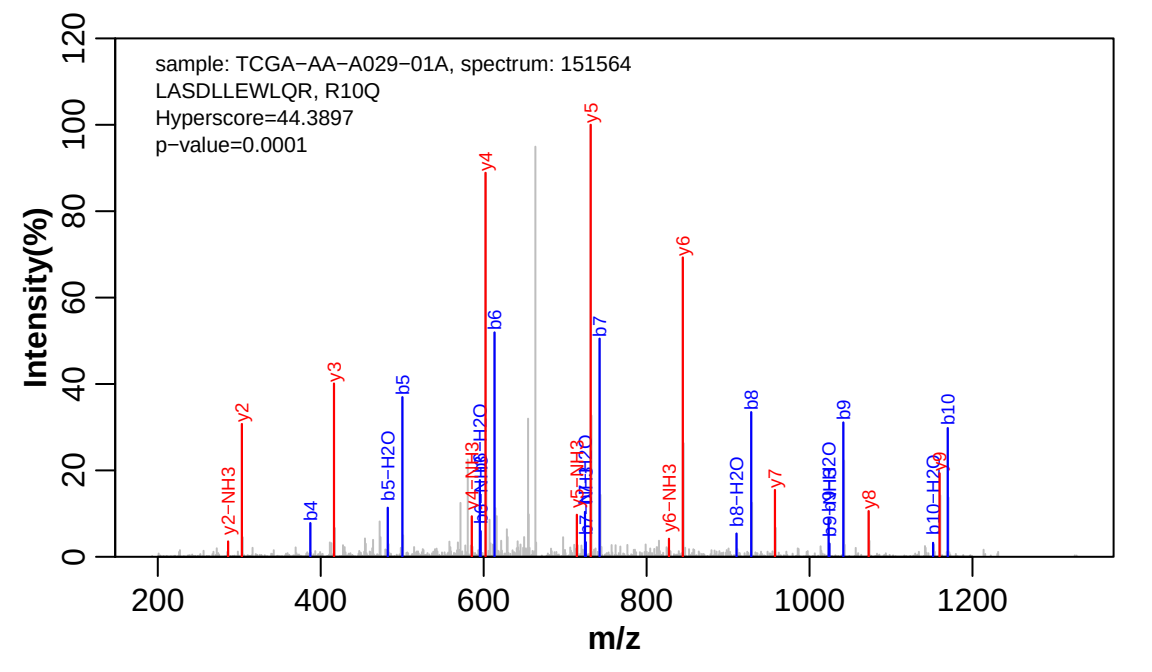

sample: TCGA−AA−A029−01A, spectrum: 48541
GQTGALLQNTVESLSK, D9N
Hyperscore=50.7614
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
y4
y5
y6
y8
y9
y10
y11
y13
y14
b13

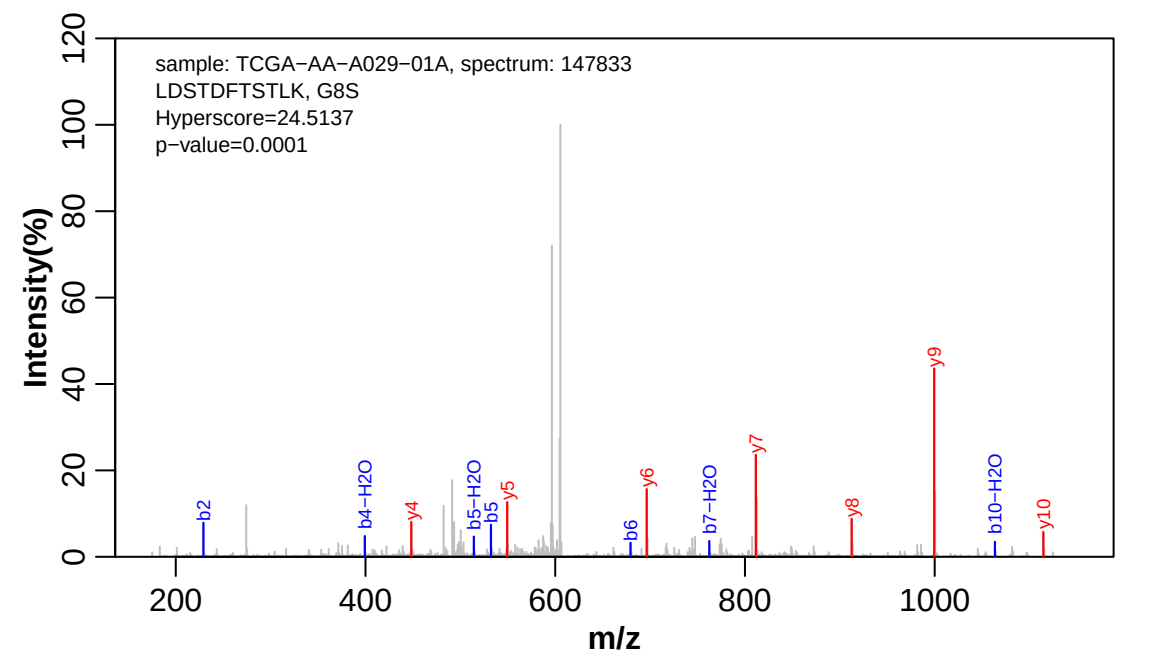

sample: TCGA−AA−A029−01A, spectrum: 26058
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.5455
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
b10
y8
y7
b11
b11−H2O
b11−NH3
y9
y10
b14
b7−H2O
b7
b8−H2O
b8
y5−NH3
b9−NH3
b9
y6−NH3
b10−NH3

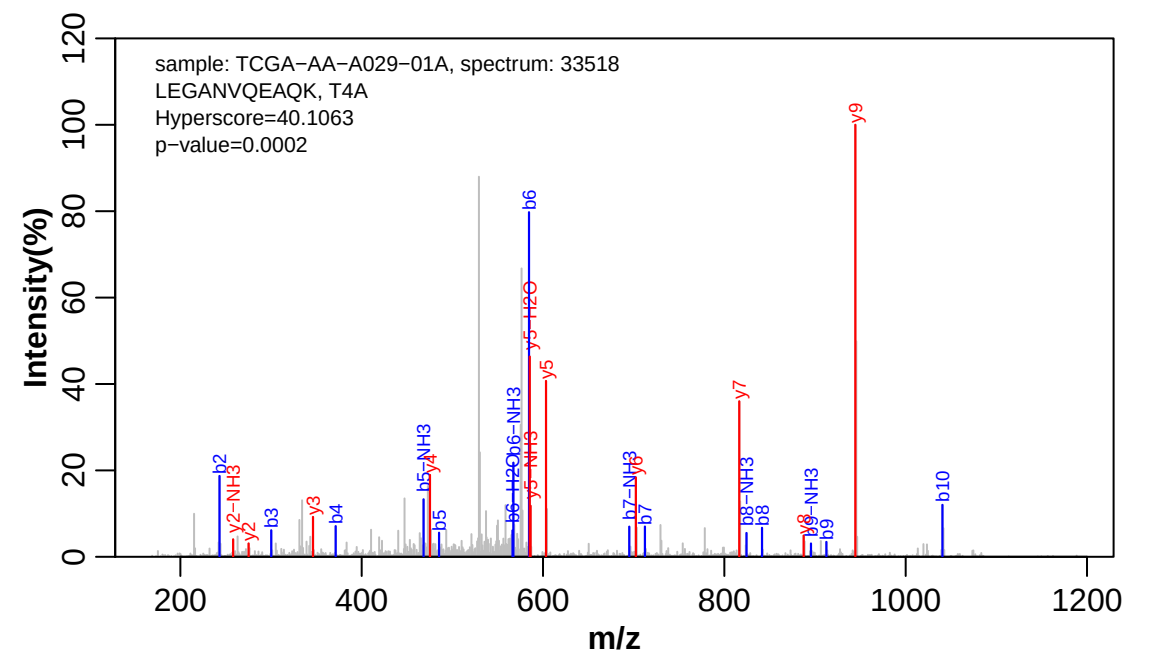

sample: TCGA−AA−A029−01A, spectrum: 94409
HMTAVVK, Y1H
Hyperscore=18.2161
p−value=0.0044
Intensity(%)
m/z
y1−NH3
y1
y2−H2O
y2
b2
b3
y5
b5
b5−H2O
b6
y6
b6−H2O

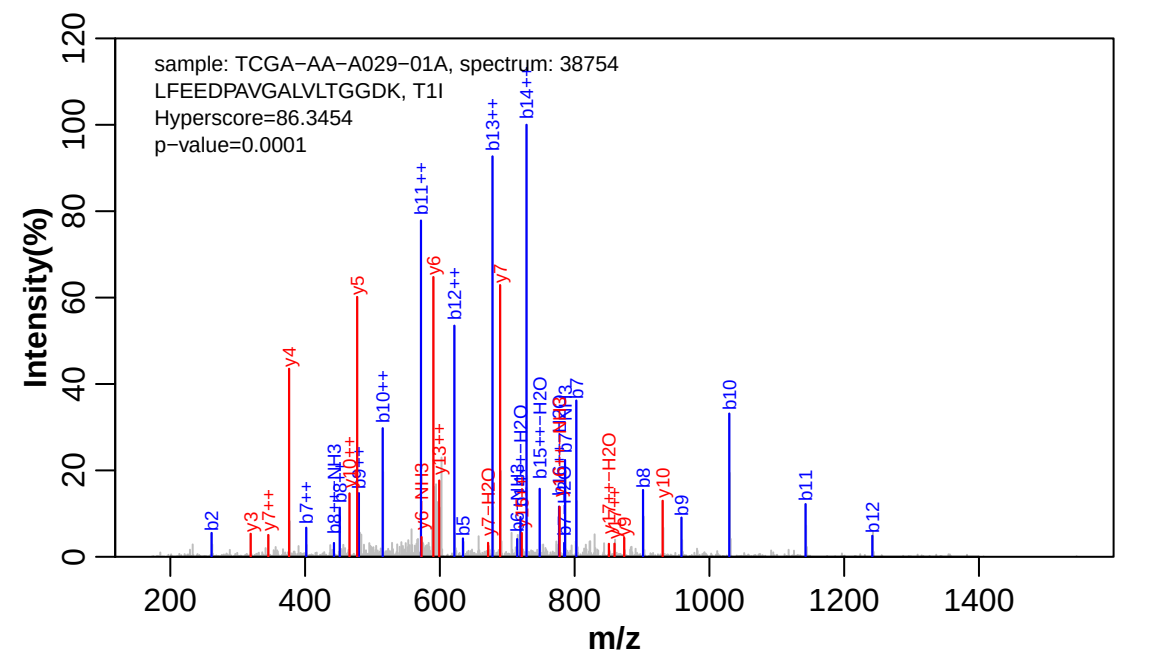

sample: TCGA−AA−A029−01A, spectrum: 3450
KAFSEYLGTDQSK, G5E
Hyperscore=54.2215
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4
y4
b5−H2O
b5
y5
y6
b6
y7
b7
y8
b9
y9
b10
y10
b11
y11
y12−NH3
y12

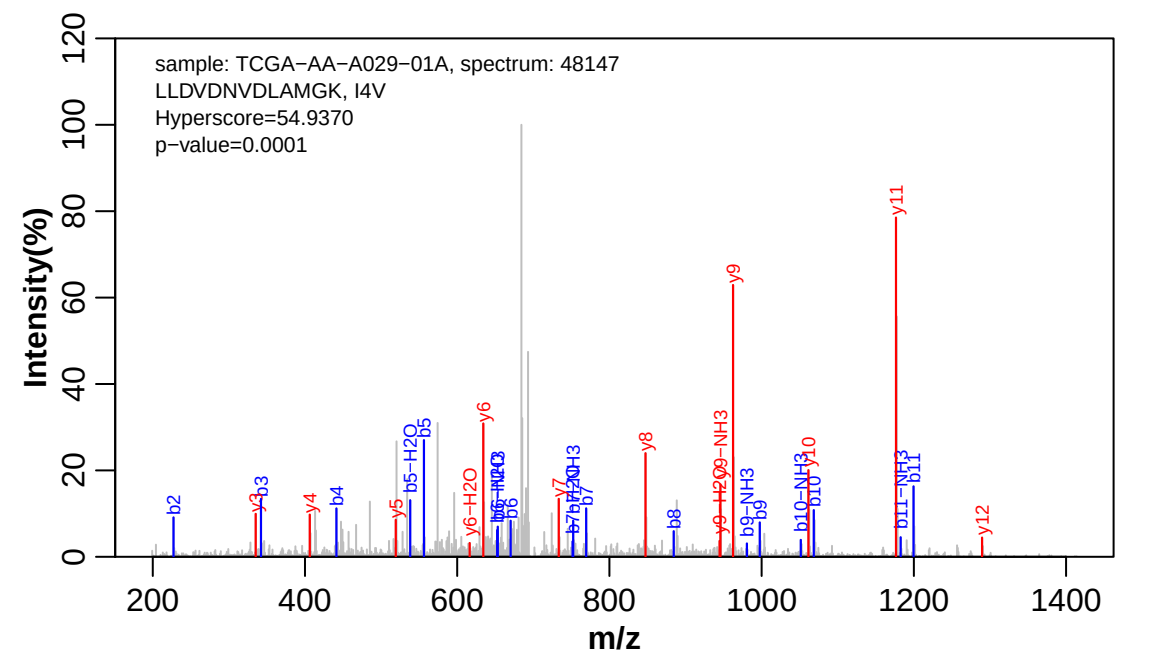

sample: TCGA−AA−A029−01A, spectrum: 78648
KAPPRPGPVPEAAQPFLFTTR, P20T
Hyperscore=49.3095
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3−H2O
b12+++
b13+++
b9++−H2O
b14+++
b12++
b13++
b17+++
y5
b16−NH3
y7−H2O
y7
b14++

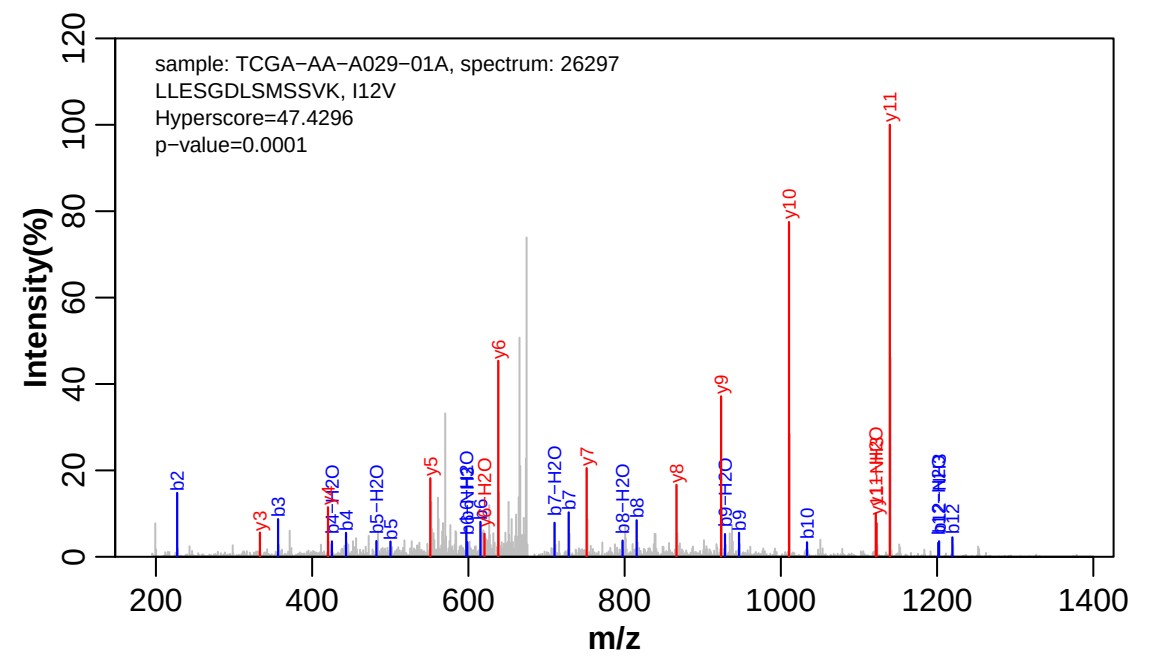

sample: TCGA−AA−A029−01A, spectrum: 151564
LASDLLEWLQR, R10Q
Hyperscore=44.3897
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y2−NH3
b4
y3
b5
b5−H2O
y4
b6
y5
b7
y6
y6−NH3
b8
b8−H2O
y7
b9
y8
b10
b10−H2O
y9

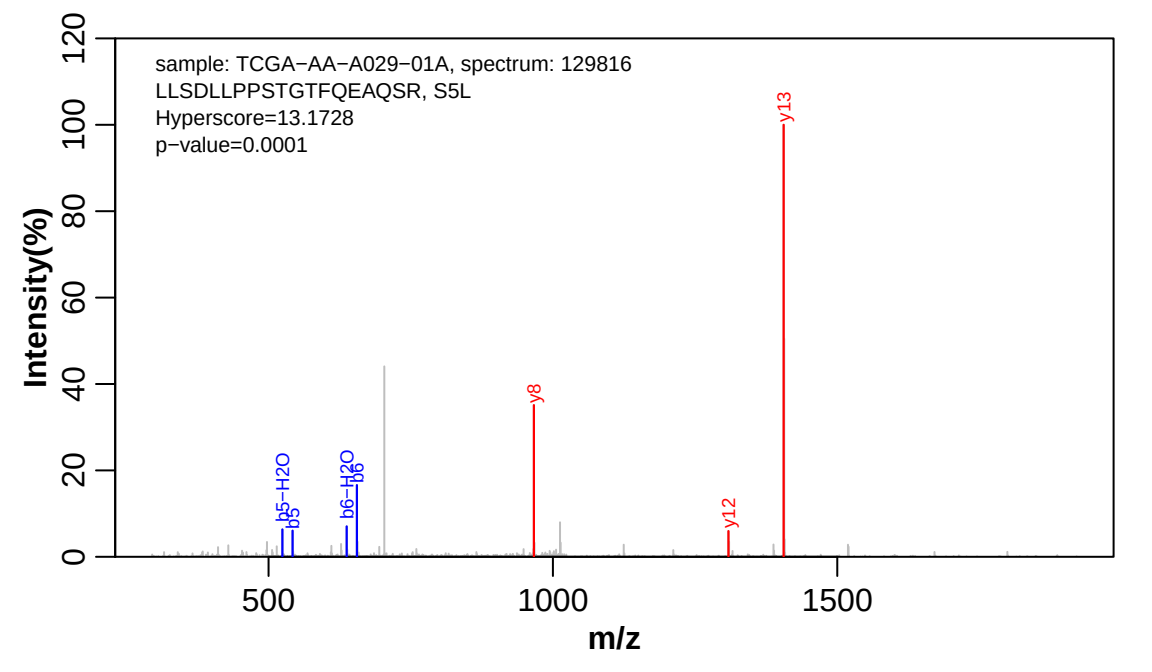

sample: TCGA−AA−A029−01A, spectrum: 147833
LDSTDFTSTLK, G8S
Hyperscore=24.5137
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b4−H2O
y4
b5−H2O
b5
y5
b6
y6
b7−H2O
y7
y8
y9
b10−H2O
y10

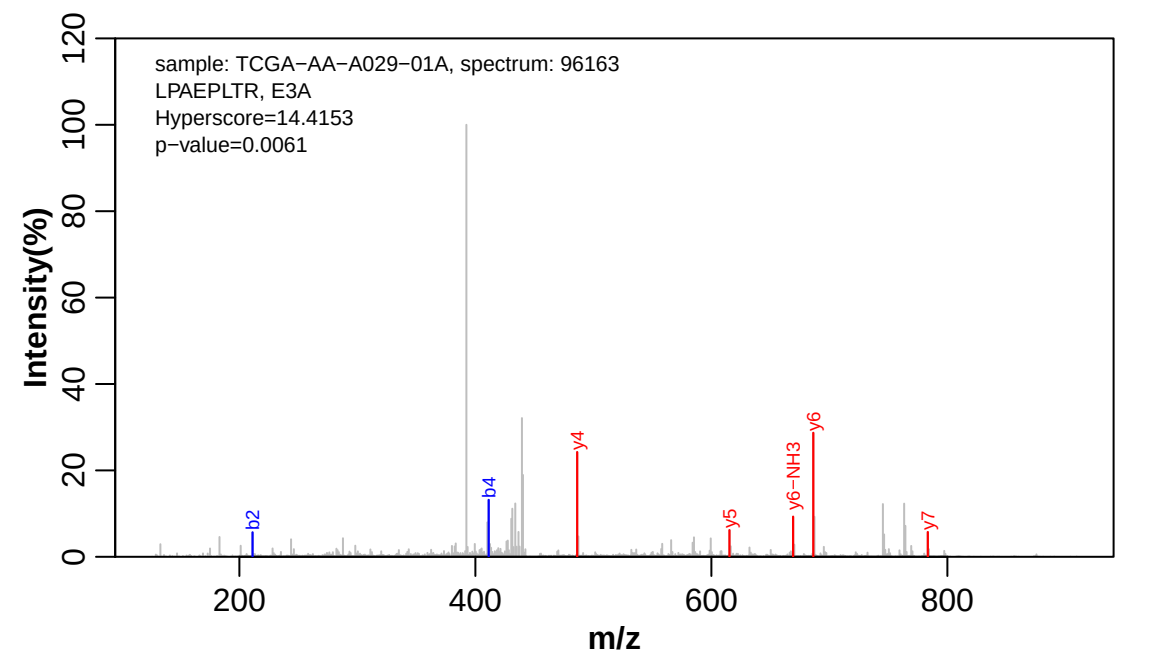

sample: TCGA−AA−A029−01A, spectrum: 33518
LEGANVQEAQK, T4A
Hyperscore=40.1063
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−NH3
y2
b3
y3
b4
b5−NH3
y4
b5
b6−H2O
b6−NH3
b6
y5−NH3
y5−H2O
y5
b7−NH3
y6
b7
y7
b8−NH3
b8
y8
y8−NH3
b9
b10
y9

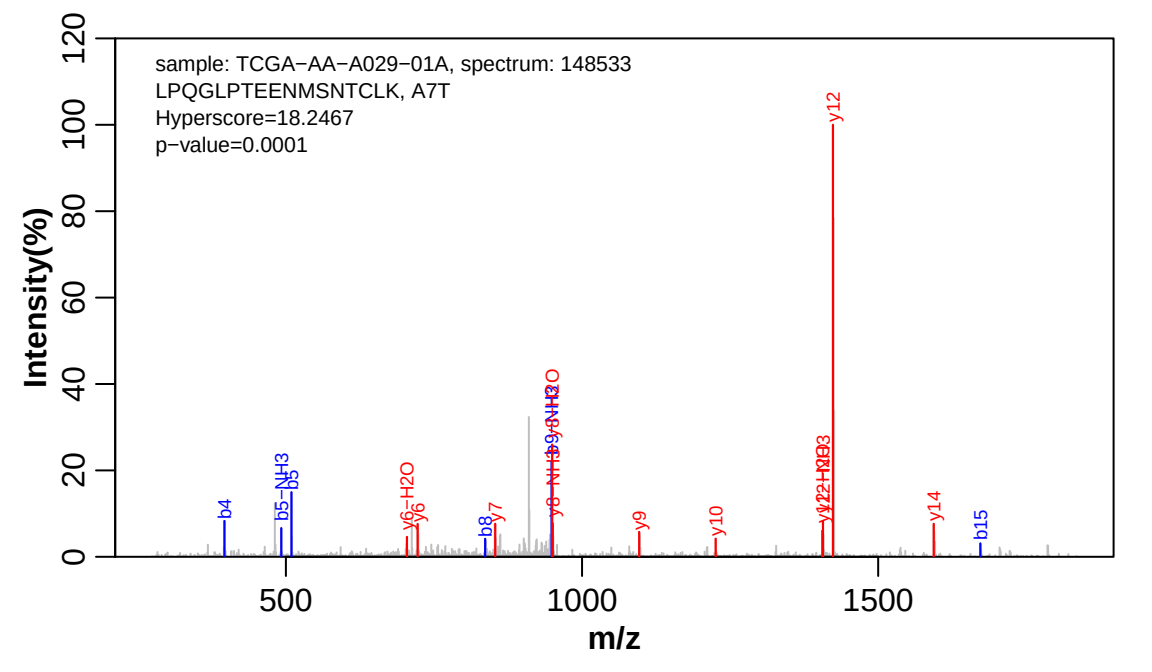

sample: TCGA−AA−A029−01A, spectrum: 38754
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=86.3454
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y7++
y4
b7++
b8+−NH3
b8++
b9++
y5
b10++
y6−NH3
y13++
y6
b11++
b5
y7−H2O
b12++
y7
b13++
b14++
b6−NH3
b15++−H2O
b7
b7−H2O
b7−NH3
y17++−H2O
y9
b8
y10
b9
b10
b11
b12

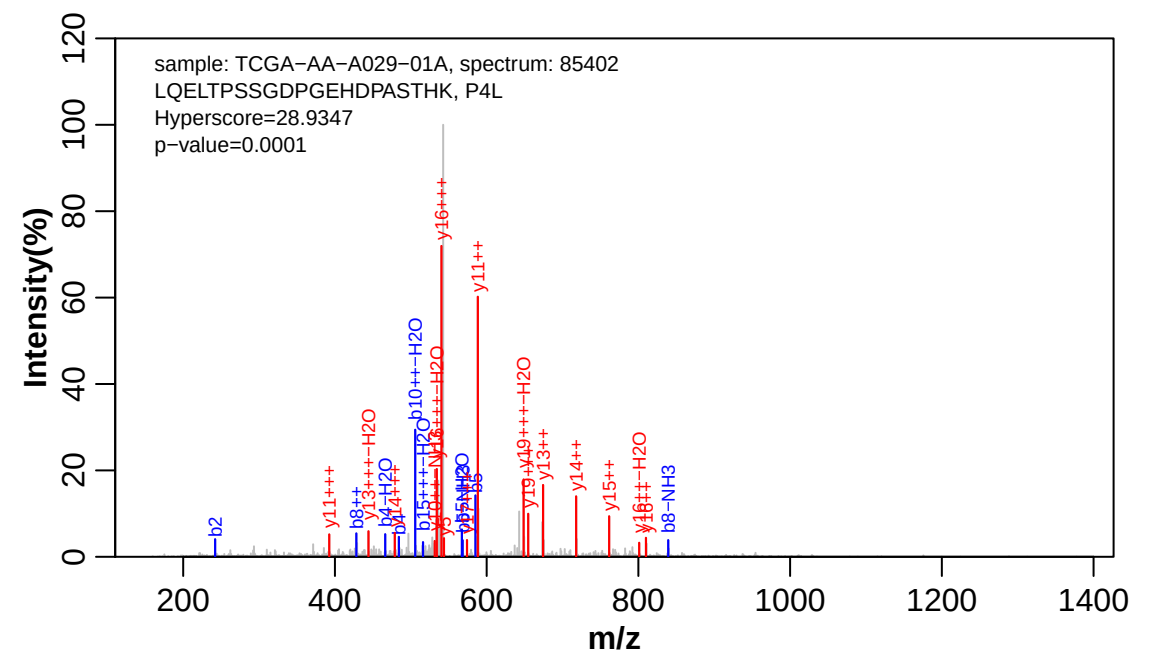

sample: TCGA−AA−A029−01A, spectrum: 48147
LLDVDNVDLAMGK, I4V
Hyperscore=54.9370
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
b3
y4
b4
y5
b5−H2O
b5
y6−H2O
y6
y7
b7
y8
b8
y9−H2O
y9−NH3
y9
b9−NH3
b9
b10−NH3
y10
b10
b11−NH3
b11
y11
y12

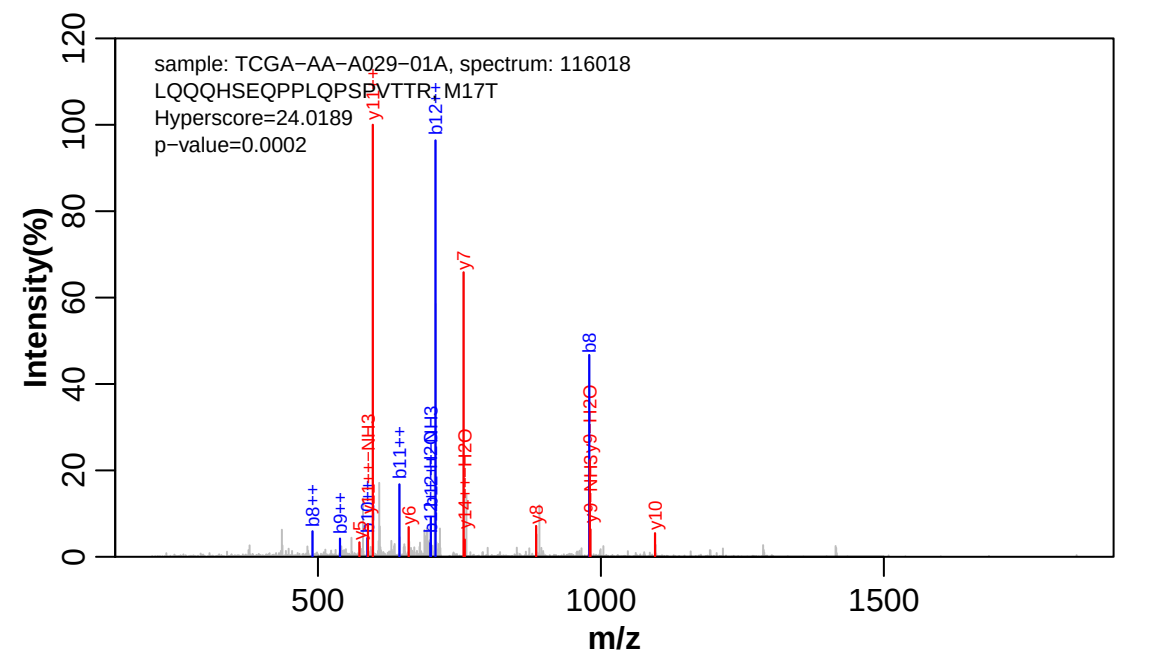

sample: TCGA−AA−A029−01A, spectrum: 26297
LLESGDLSMSSVK, I12V
Hyperscore=47.4296
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
b3
b4−Y4H2O
b4
b5−H2O
b5
y5
b6−NH3
b6
y6−H2O
y6
y6
b7−H2O
b7
y7
b8−H2O
b8
y8
y9
b9−H2O
b9
b10
y10
y11
y11−NH3
y11−H2O
b12−NH3
b12−H2O
b12

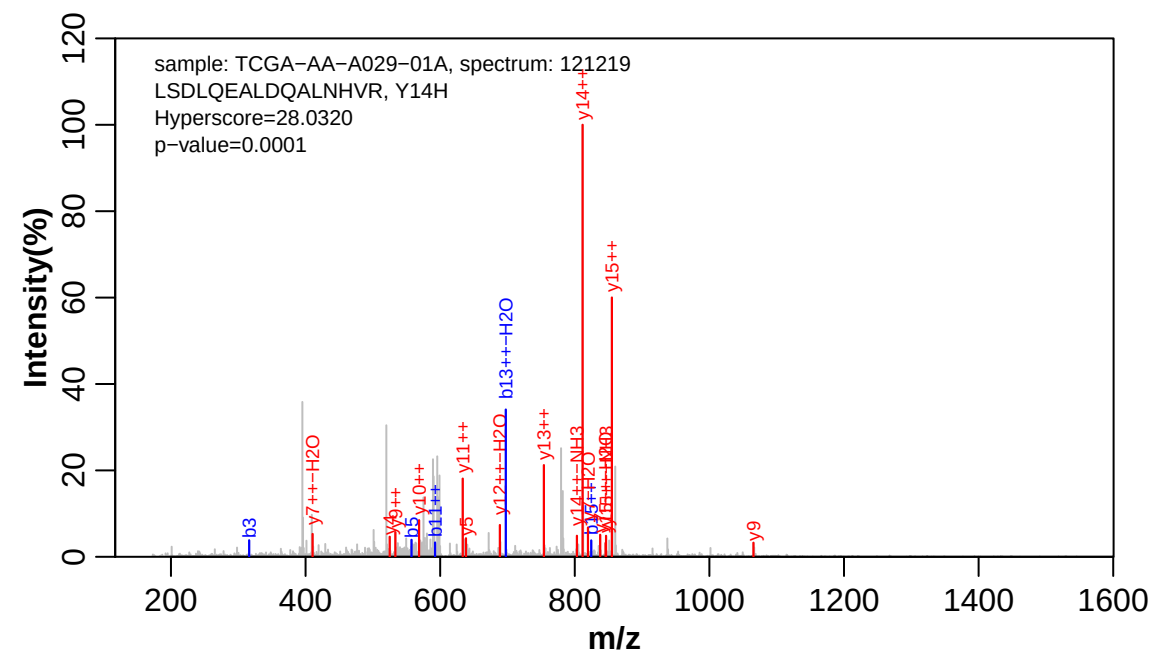

sample: TCGA−AA−A029−01A, spectrum: 129816
LLSDLLPPSTGTFQEAQSR, S5L
Hyperscore=13.1728
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
y13
y8
y12
b5−H2O
b5
b6−H2O
b6

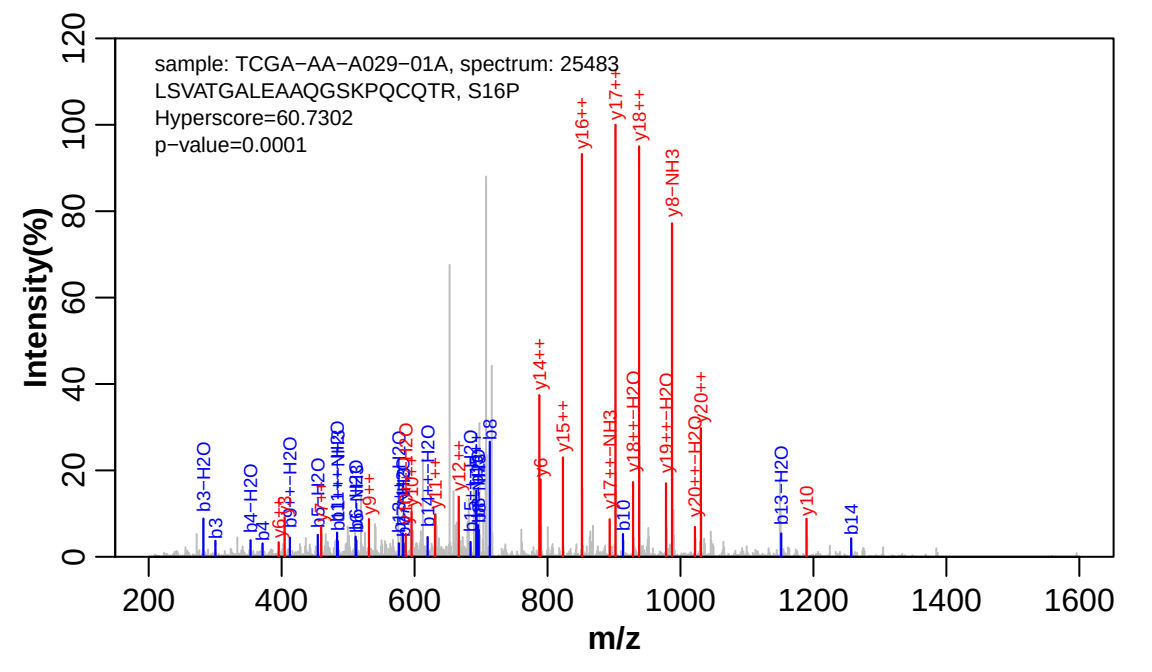

sample: TCGA−AA−A029−01A, spectrum: 96163
LPAEPLTR, E3A
Hyperscore=14.4153
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b4
y4
y5
y6−NH3
y6
y7

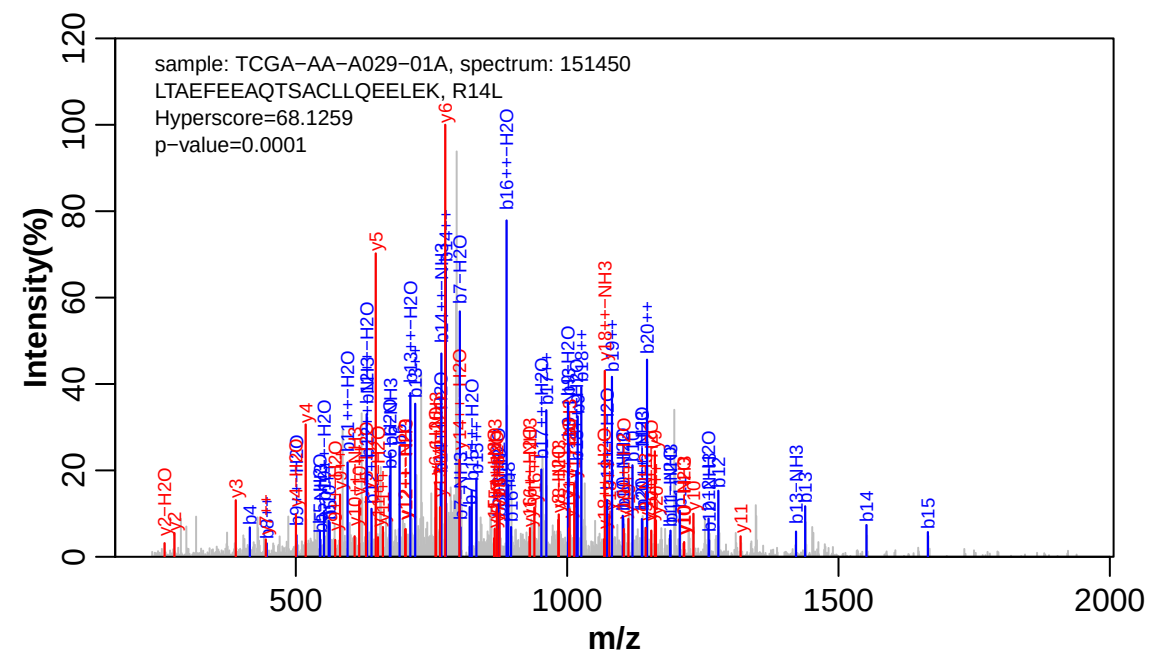

sample: TCGA−AA−A029−01A, spectrum: 148533
LPQGLPTEENMSNTCLK, A7T
Hyperscore=18.2467
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
b5−NH3
b5
y6−H2O
y6
b8
y7
y8−NH3
y8−NH3
y8−H2O
y9
y10
y12−H2O
y12−NH3
y12
y14
b15

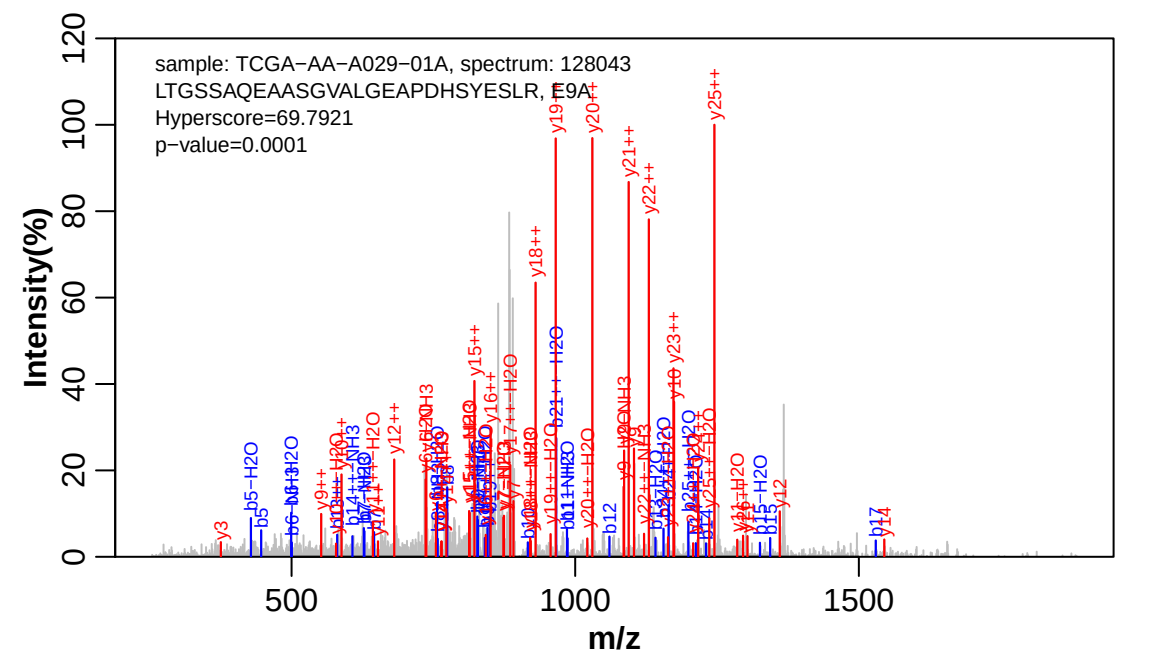

sample: TCGA−AA−A029−01A, spectrum: 85402
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=28.9347
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y11+++
b8++
y13+++−H2O
b4+−H2O
b14+++
b15+++−H2O
b10++−H2O
y16+++
y11++
y19+++−H2O
y13++
y14++
y15++
y16++−H2O
b8−NH3

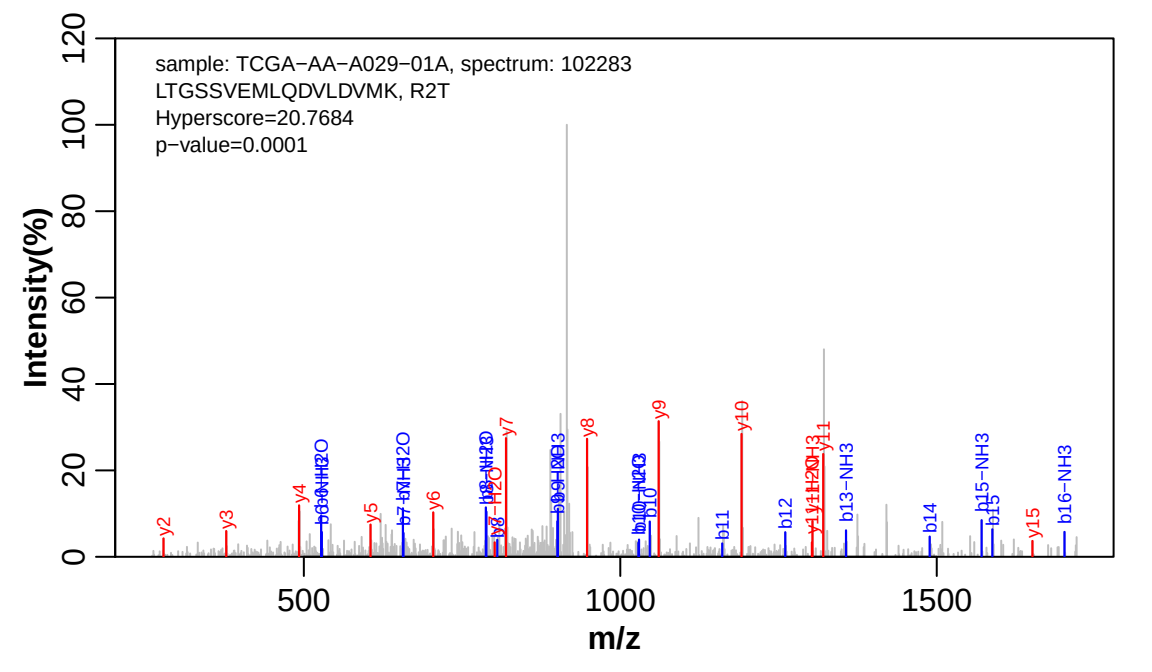

sample: TCGA−AA−A029−01A, spectrum: 116018
LQQQHSEQPPLQPSPVTTR; M17T
Hyperscore=24.0189
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8++
b9++
y5
b10++−NH3
y11++
b11++
y6
b12++−H2O
b12++−NH3
y14++−H2O
y7
y8
b8
y9−NH3
y9−H2O
y10

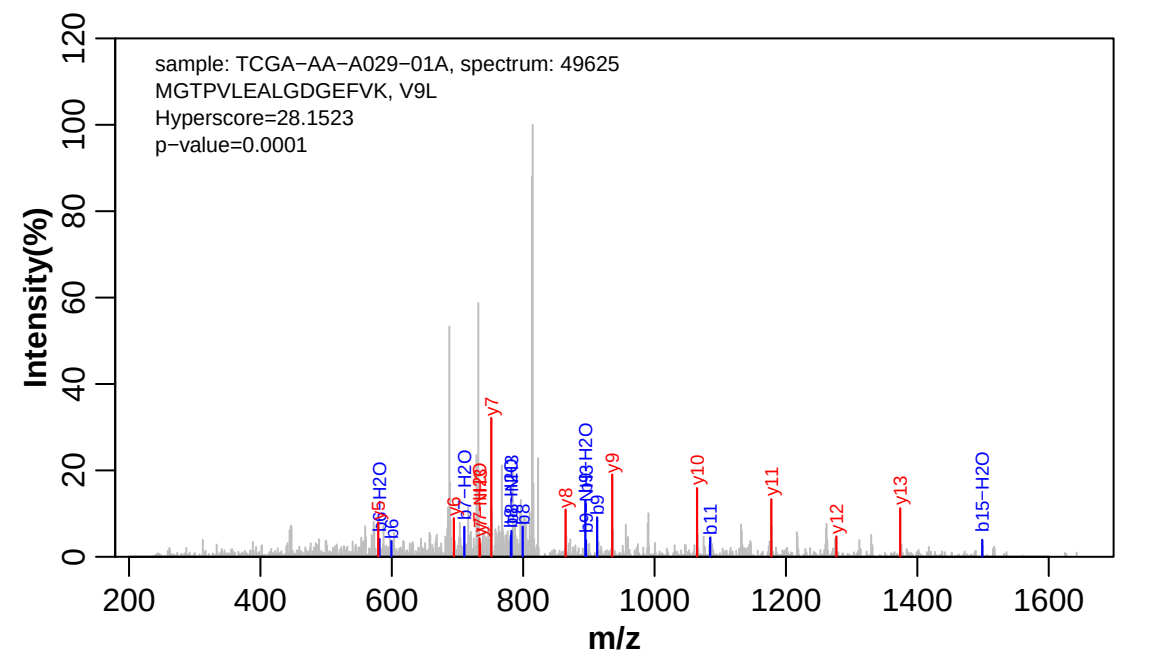

sample: TCGA−AA−A029−01A, spectrum: 121219
LSDLQEALDQALNHVR, Y14H
Hyperscore=28.0320
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y7++−H2O
y9++
b5
y10++
b11++
y5
y11++
y12++−H2O
b13++−H2O
y13++
y14++−NH3
y14++−H2O
y14++
y15++
y9

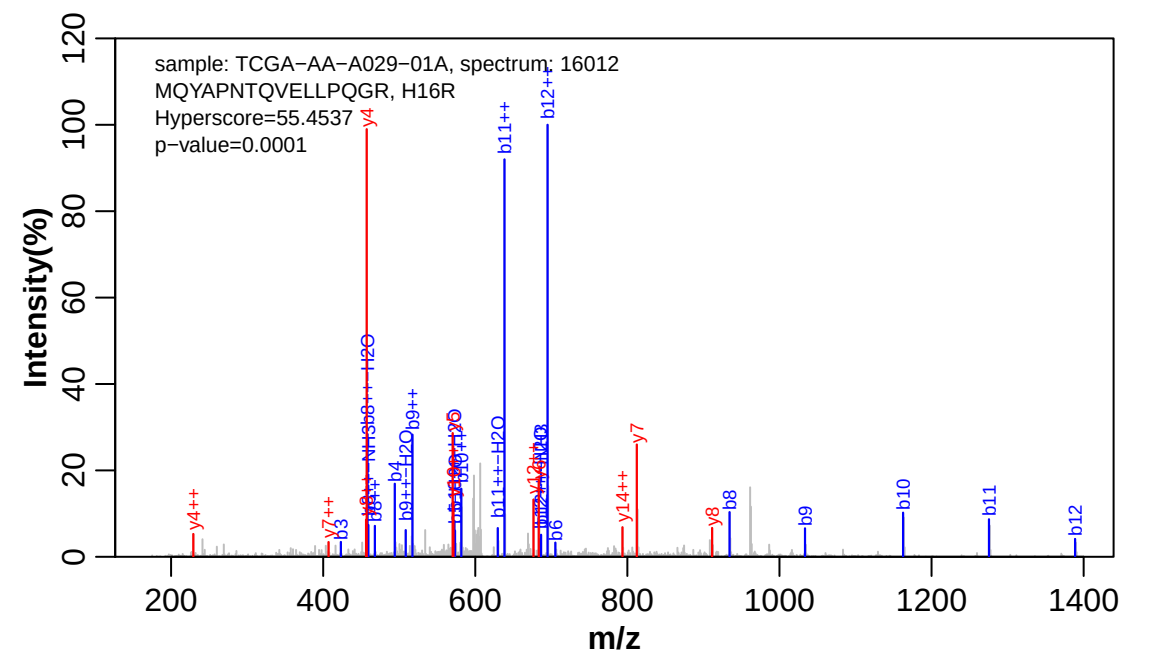

sample: TCGA−AA−A029−01A, spectrum: 25483
LSVATGALEAAQGSKPQCQTR, S16P
Hyperscore=60.7302
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
b4−H2O
b4
y6++
b5−H2O
b5
b6−NH3
b6
y9++
b11++−H2O
b11++
y11++−H2O
y12++
b8
y6
y14++
y15++
y16++
y17++
y17++−NH3
b10
y18++
y18++−H2O
y8−NH3
y19++−H2O
y20++−H2O
y20++
b13−H2O
y10
b14

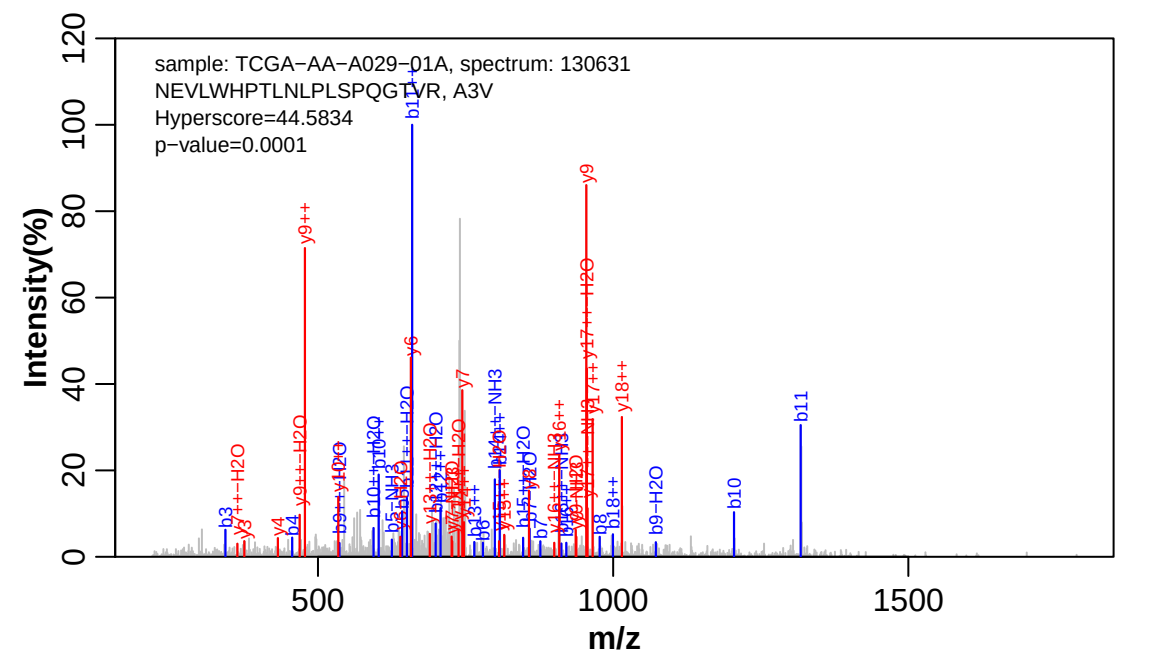

sample: TCGA−AA−A029−01A, spectrum: 151450
LTAEFEEAQTSACLLQEELEK, R14L
Hyperscore=68.1259
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6
y5
y4
y3
b16++−H2O
b14++−NH3
b7−H2O
b20++
b14
b15
y11
b13−NH3

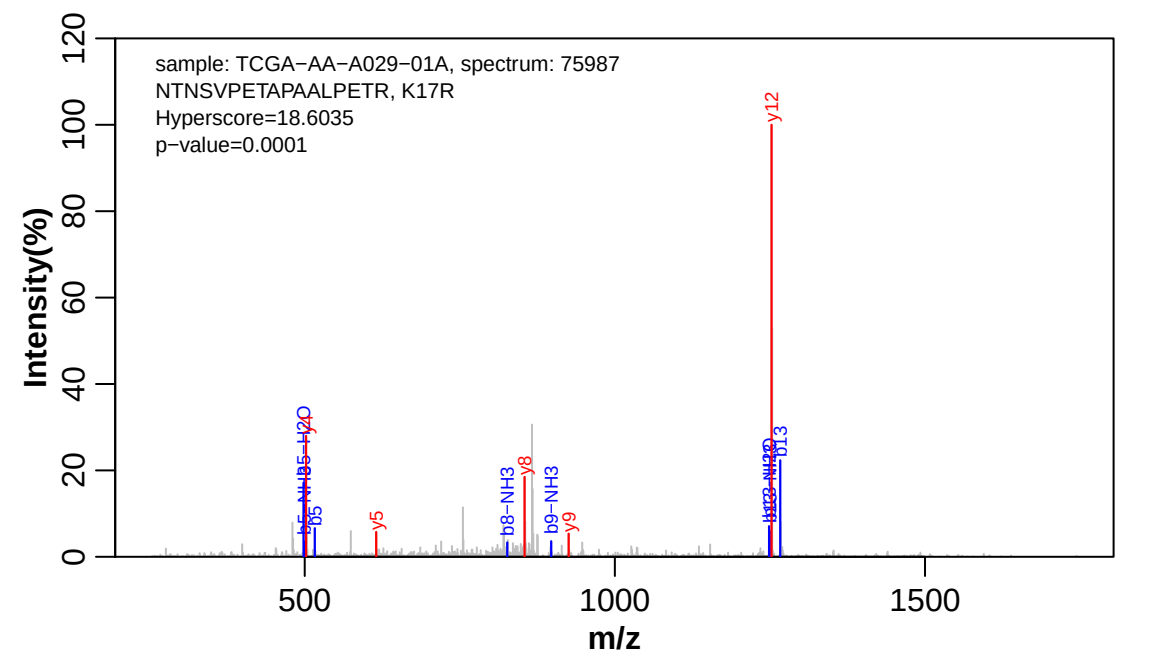

sample: TCGA−AA−A029−01A, spectrum: 128043
LTGSSAQEAASGVALGEAPDHSYESLR, E9A
Hyperscore=69.7921
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y19++
y20++
y25++
y21++
y22++
y18++
y15++
y16++
y23++
y12++
y3
b5−H2O
b5
b12
y14
y12

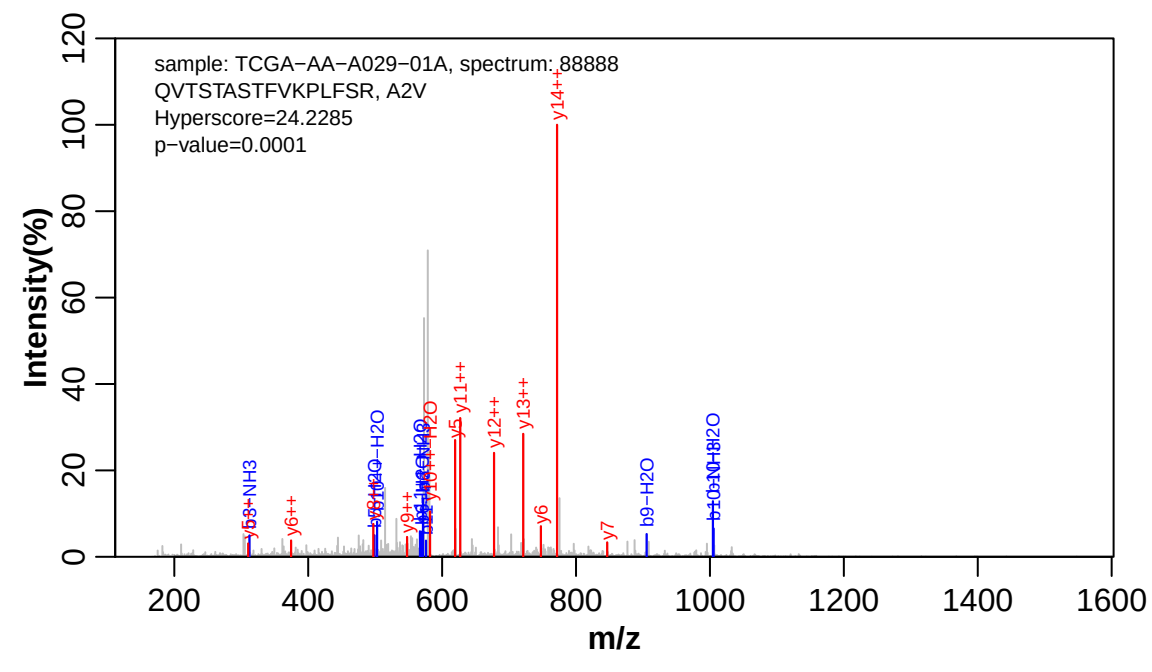

sample: TCGA−AA−A029−01A, spectrum: 102283
LTGSSVEMLQDVLDVMK, R2T
Hyperscore=20.7684
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y3
y4
y5
y6
y7
y8
y9
y10
y11
y15
b11
b12
b13−NH3
b14
b15−NH3
b16−NH3

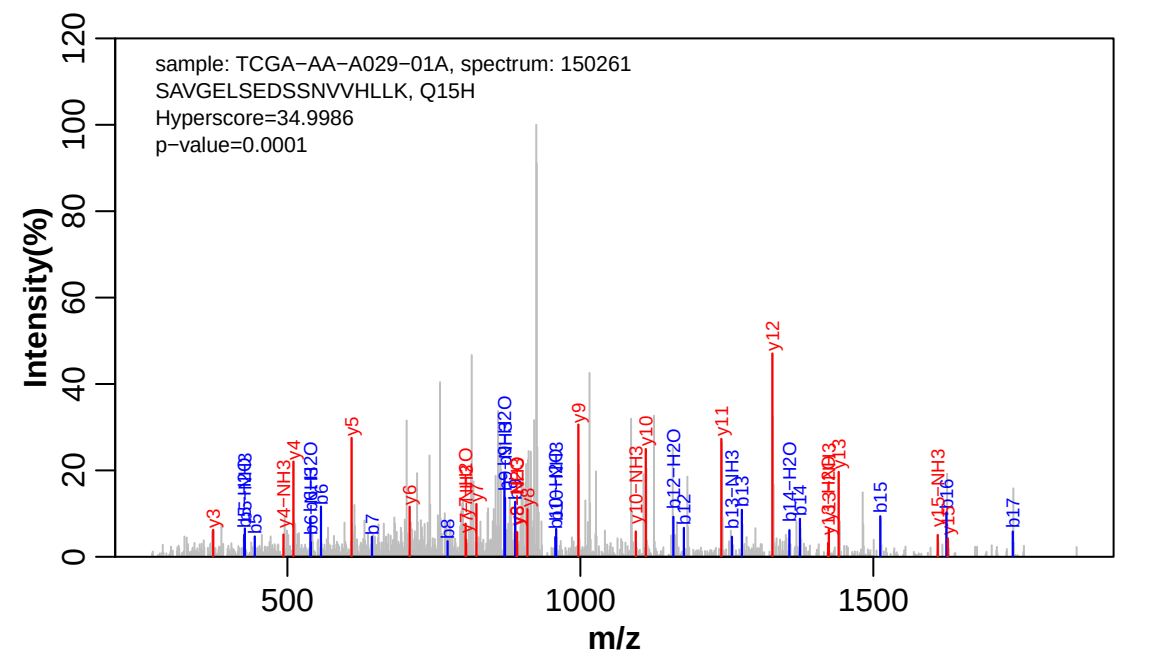

sample: TCGA−AA−A029−01A, spectrum: 49625
MGTPVLEALGDGEFVK, V9L
Hyperscore=28.1523
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b6−H2O
b6
b7−H2O
y6
y7
y8
b8−NH3
b8
b9−NH3−H2O
b9
y9
y10
b11
y11
y12
y13
b15−H2O

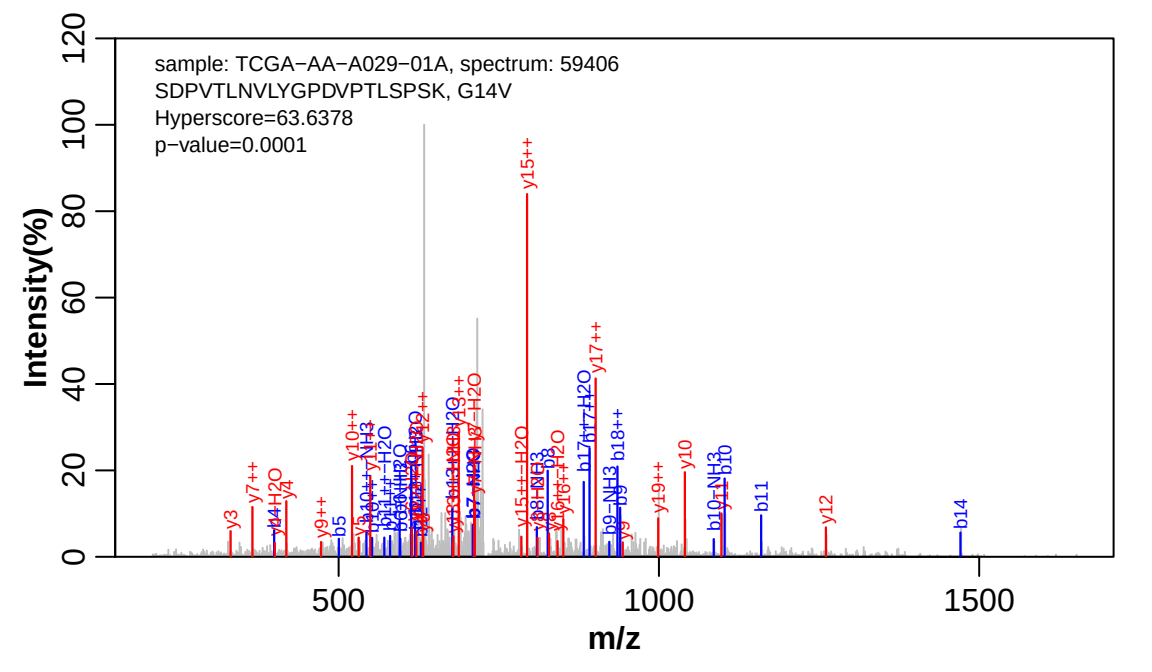

sample: TCGA−AA−A029−01A, spectrum: 16012
MQYAPNTQVELLPQGR, H16R
Hyperscore=55.4537
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
b12++
b11++
y4++
y7++
b3
b4
b9++
b11++−H2O
y14++
y7
y8
b8
b9
b10
b11
b12
b6

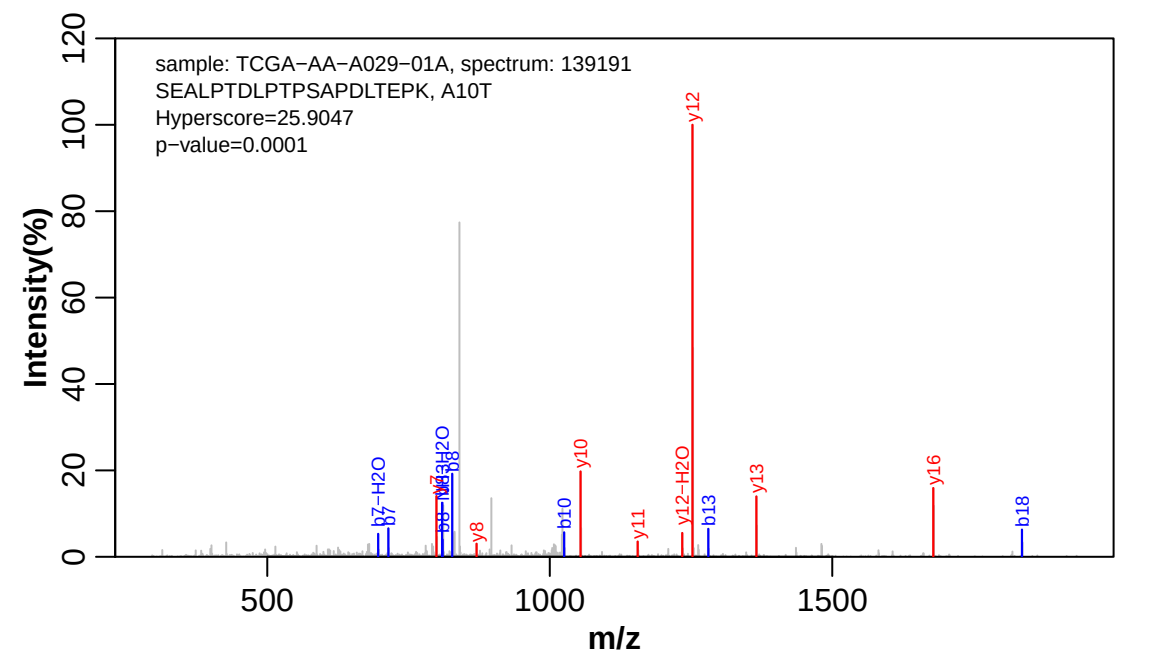

sample: TCGA−AA−A029−01A, spectrum: 130631
NEVLWHPTLNLPLSPQGTVR, A3V
Hyperscore=44.5834
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b11++
y9++
y9
y6
y7
y17++ H2O
y18++
b11
b10
b9−H2O
y9++−H2O
y3++−H2O
y9++−NH3
y17++ NH3
b18++
b3
y3
y4
b4

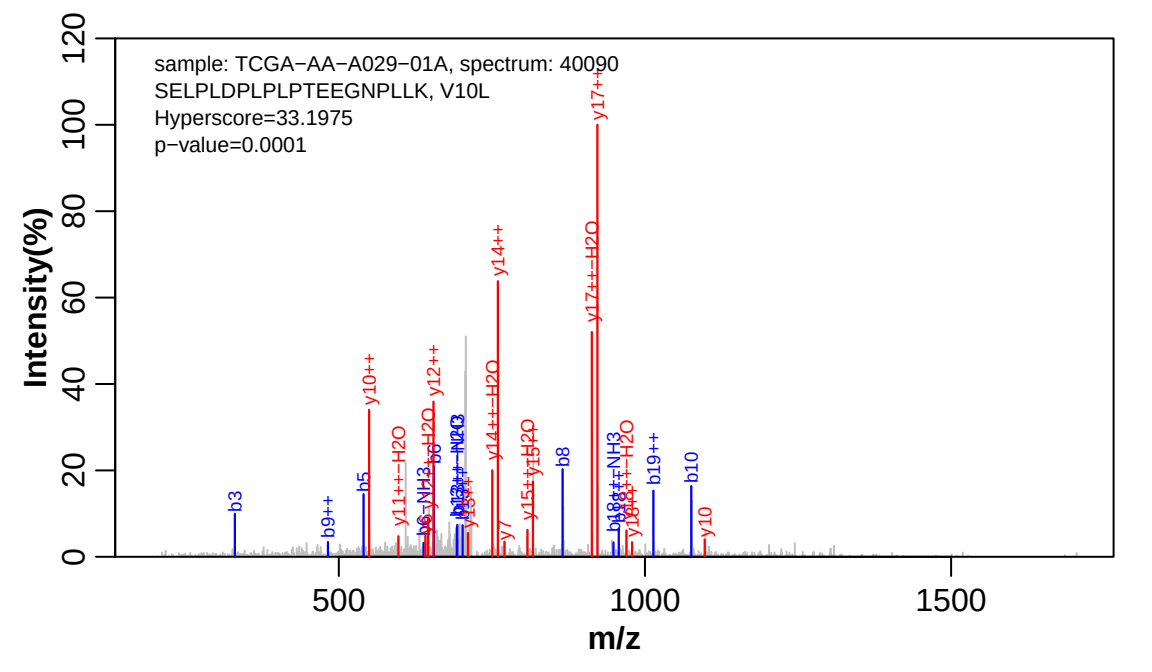

sample: TCGA−AA−A029−01A, spectrum: 75987
NTNSVPETAPAALPETR, K17R
Hyperscore=18.6035
p−value=0.0001
Intensity(%)
m/z
y12
y5
y8
y9
b8−NH3
b9−NH3
b5
b13

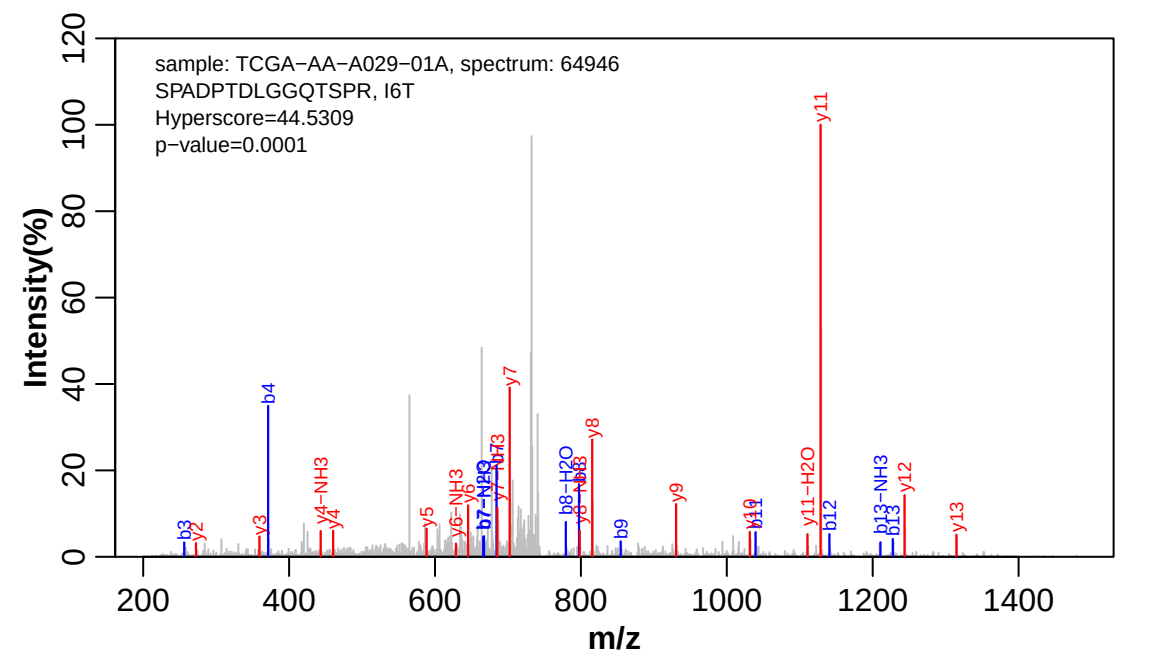

sample: TCGA−AA−A029−01A, spectrum: 88888
QVTSTASTFVKPLFSR, A2V
Hyperscore=24.2285
p−value=0.0001
Intensity(%)
m/z
y14++
y5
y11++
y12++
y13++
y6
y7
b9−H2O
y6++
y9++
y8++
y10++
b10−H2O
b10−NH3
y8−H2O
y8−NH3
y10−H2O
y10−NH3
y5−H2O
y5−NH3
y6−H2O
y6−NH3
y7−H2O
y7−NH3
y9−H2O
y9−NH3
y11−H2O
y11−NH3
y12−H2O
y12−NH3
y13−H2O
y13−NH3
y14−H2O
y14−NH3
y3+NH3
y6−NH3
y6++
y7−NH3
y7++
y8−NH3
y8++
y9−NH3
y9++
y10−NH3
y10++
y11−NH3
y11++
y12−NH3
y12++
y13−NH3
y13++
y14−NH3
y14++
b9−H2O
b10−H2O
b10−NH3
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

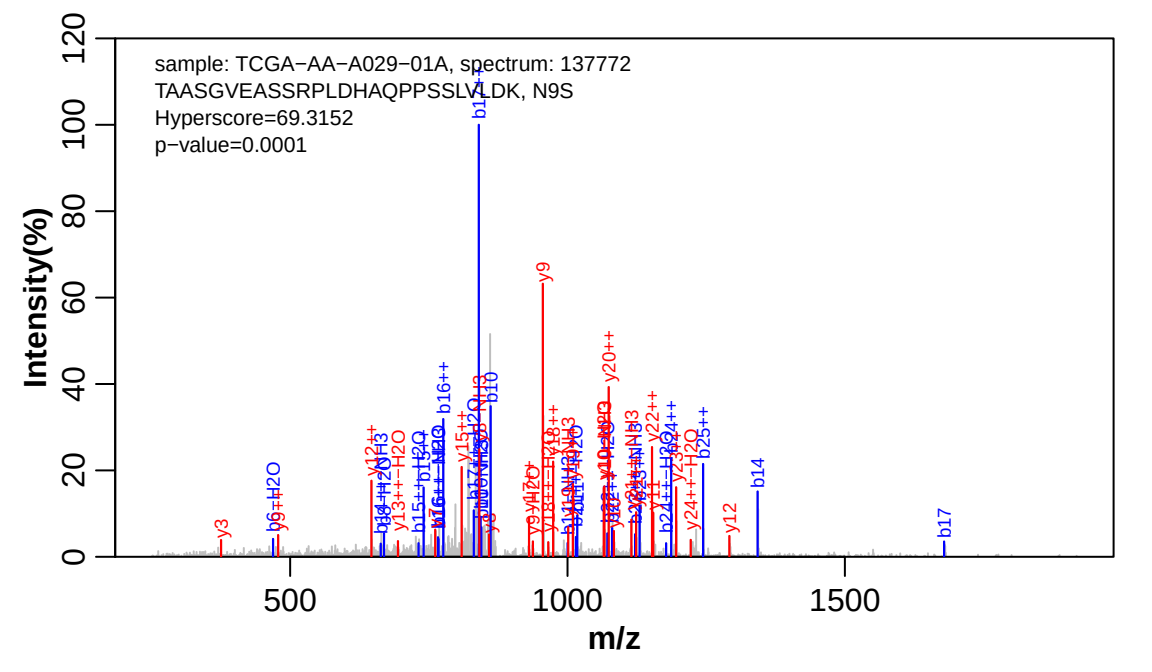

sample: TCGA−AA−A029−01A, spectrum: 150261
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=34.9986
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y4−NH3
y5
y6
b7
b8
y9
y10
y10−NH3
y11
y12
b15
b17

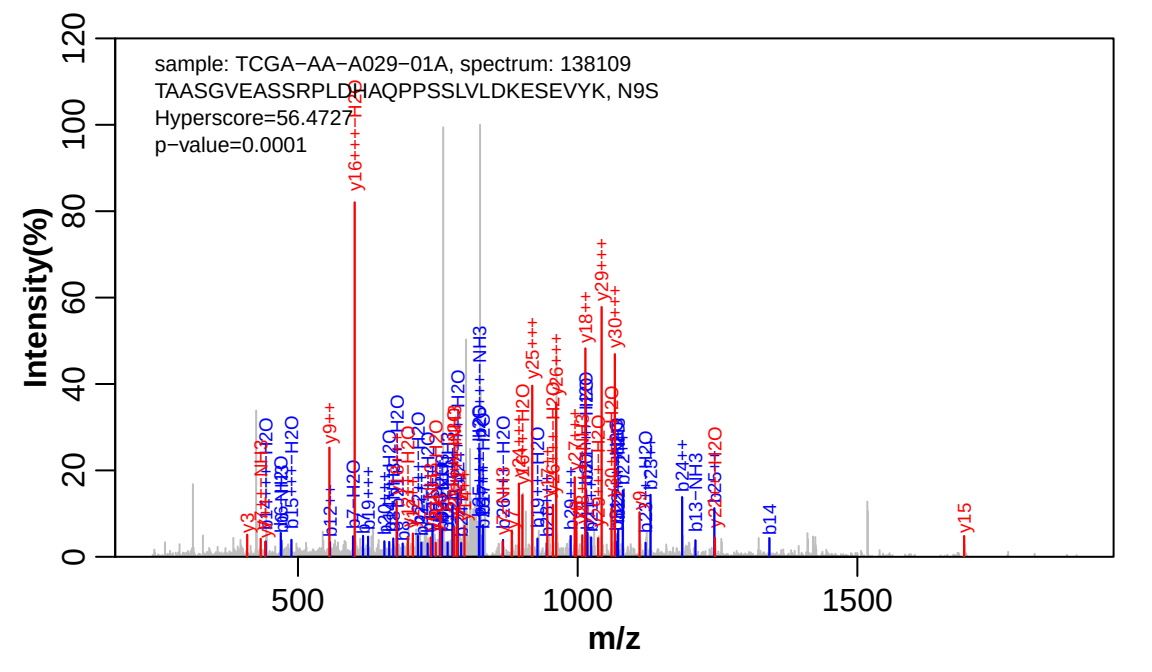

sample: TCGA−AA−A029−01A, spectrum: 59406
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=63.6378
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y15++
y7++
y4+H2O
y4
y3
y9++
b5
y10++
y10++-NH3
y15++-H2O
y17++
b17+H2O
b18++
y19++
y10
b10-NH3
b10
b11
y12
b14

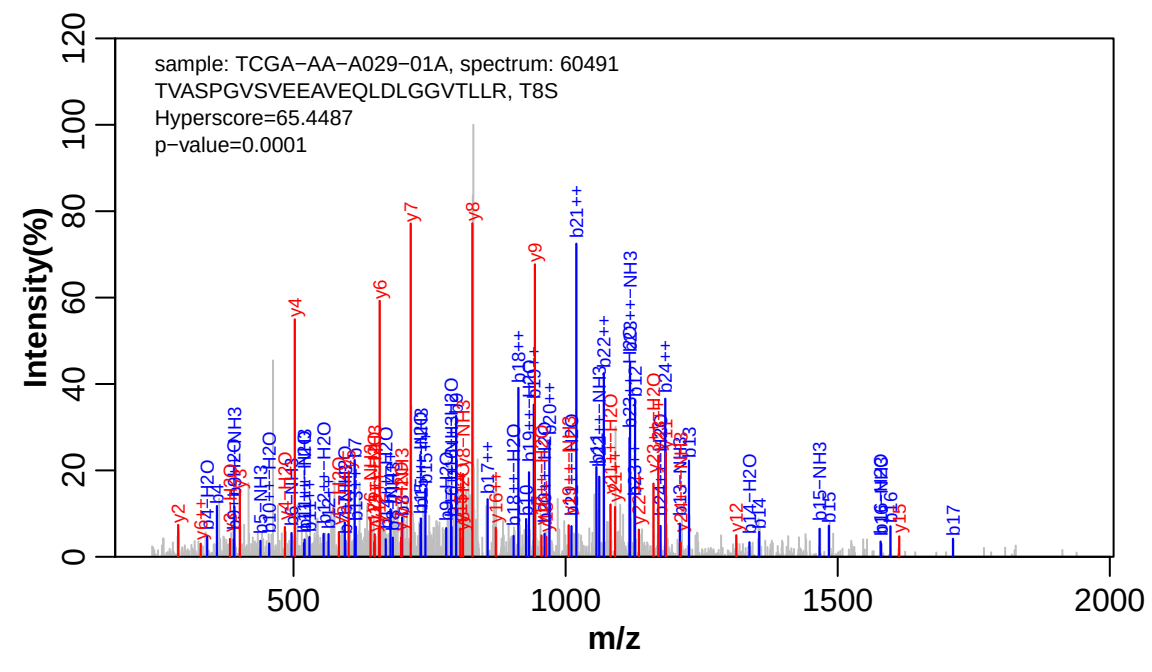

sample: TCGA−AA−A029−01A, spectrum: 139191
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=25.9047
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y10
y12−H2O
y13
y16
b13
b10
b18
y11
y8
b7−H2O
b7
b8−NH3
b8−H2O
b8

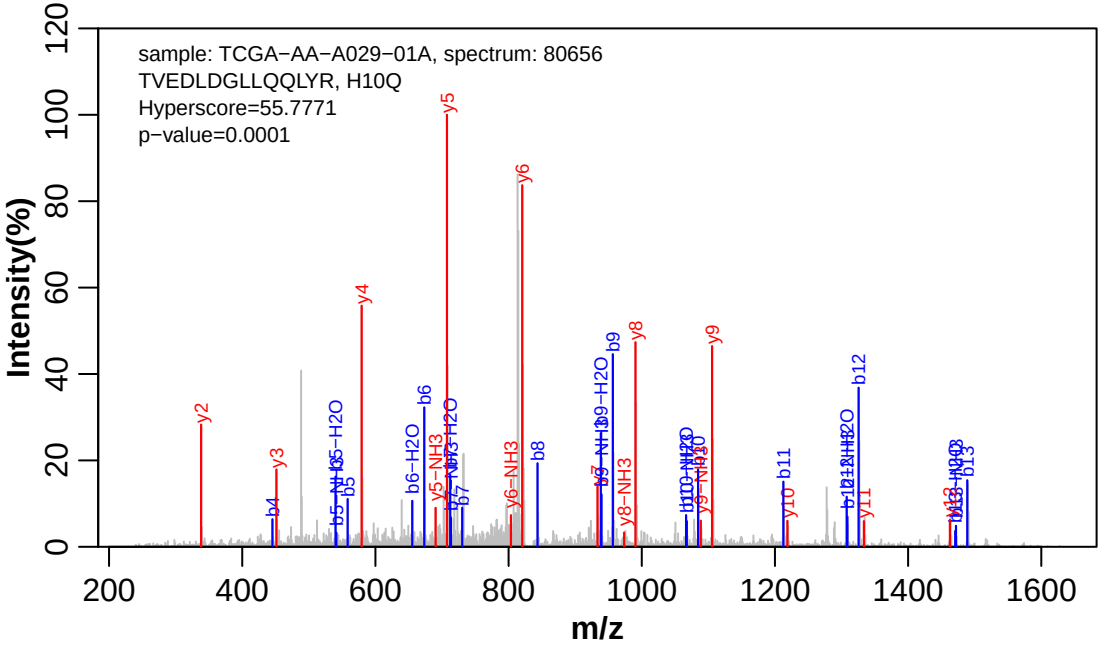

sample: TCGA−AA−A029−01A, spectrum: 40090
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=33.1975
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
b9++
b5
y10++
y11++−H2O
b6
y12++
y14++
y14++−H2O
y7
y15++
y15++−H2O
b8
y17++
y17++−H2O
b19++
b10
y10

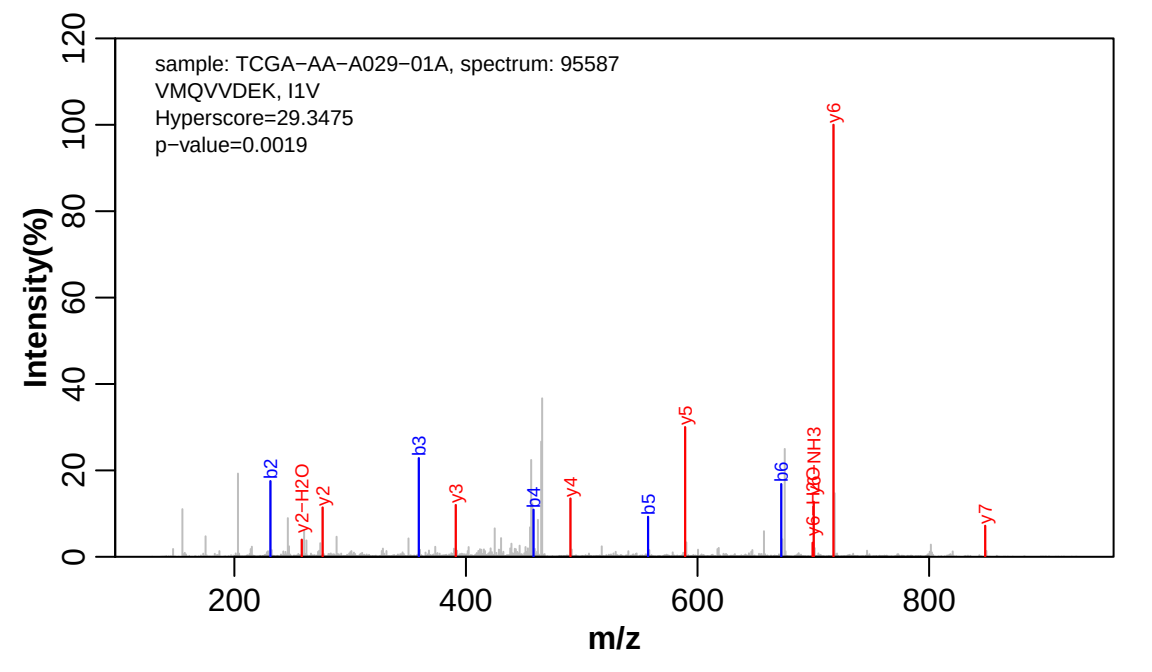

sample: TCGA−AA−A029−01A, spectrum: 64946
SPADPTDLGGQTSPR, I6T
Hyperscore=44.5309
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4−NH3
y4
y5
y6−NH3
y6
b7−NH3
y7−NH3
y7
b8−H2O
y8−NH3
y8
b9
y9
b10
b11
y11−H2O
b12
b13−NH3
b13
y12
y13
y11

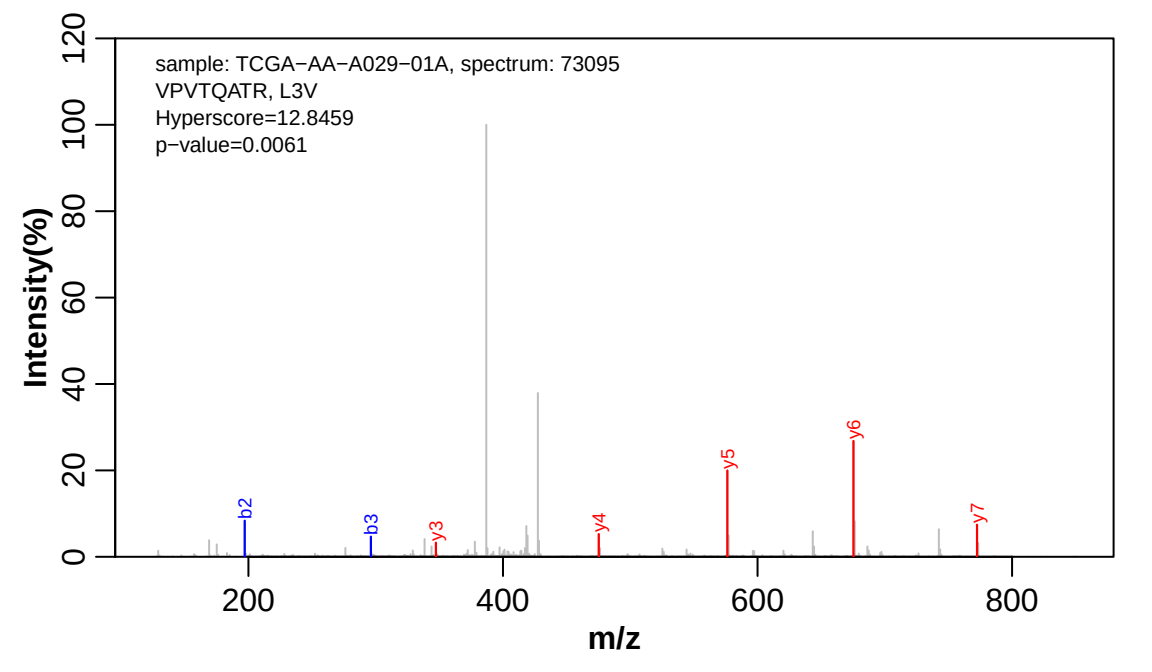

sample: TCGA−AA−A029−01A, spectrum: 137772
TAASGVEASSRPLDHAQPPSSLVLDK, N9S
Hyperscore=69.3152
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b17++
y9
y20++
b14
b17
y12
b25++
y3
y6+−H2O
y12++
b16++
b10
y15++
y22++
b24++
y24++−H2O

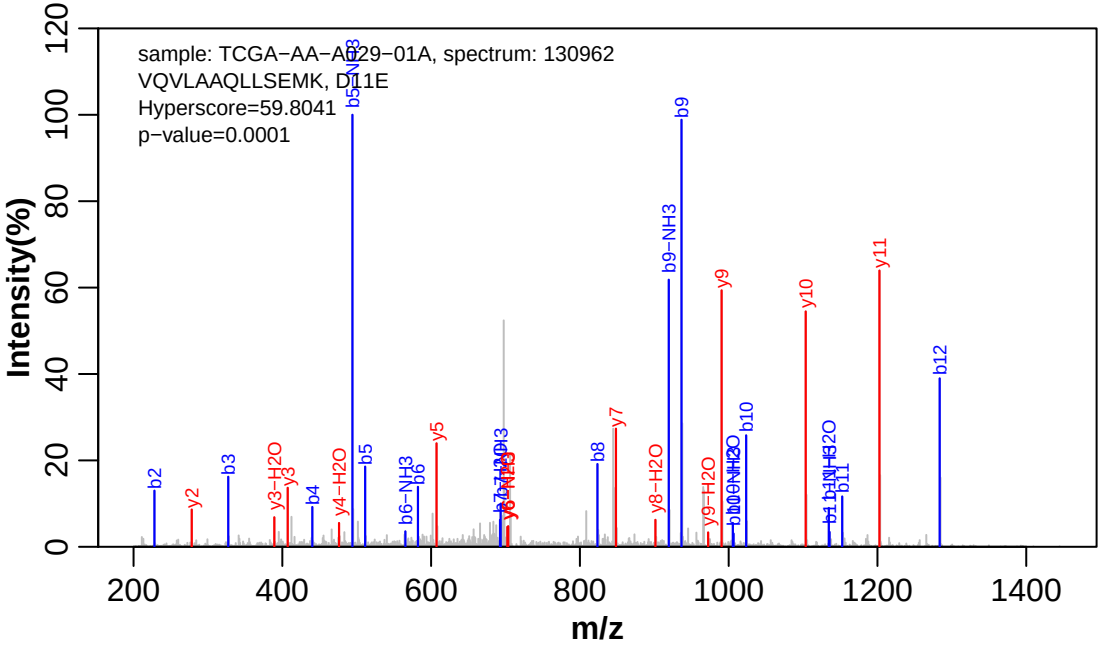

sample: TCGA−AA−A029−01A, spectrum: 138109
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=56.4727
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16+++−H2O
y9++
y18++
y29+++
y30+++
y25+++
y26+++
b24++
b13−NH3
b14
y15

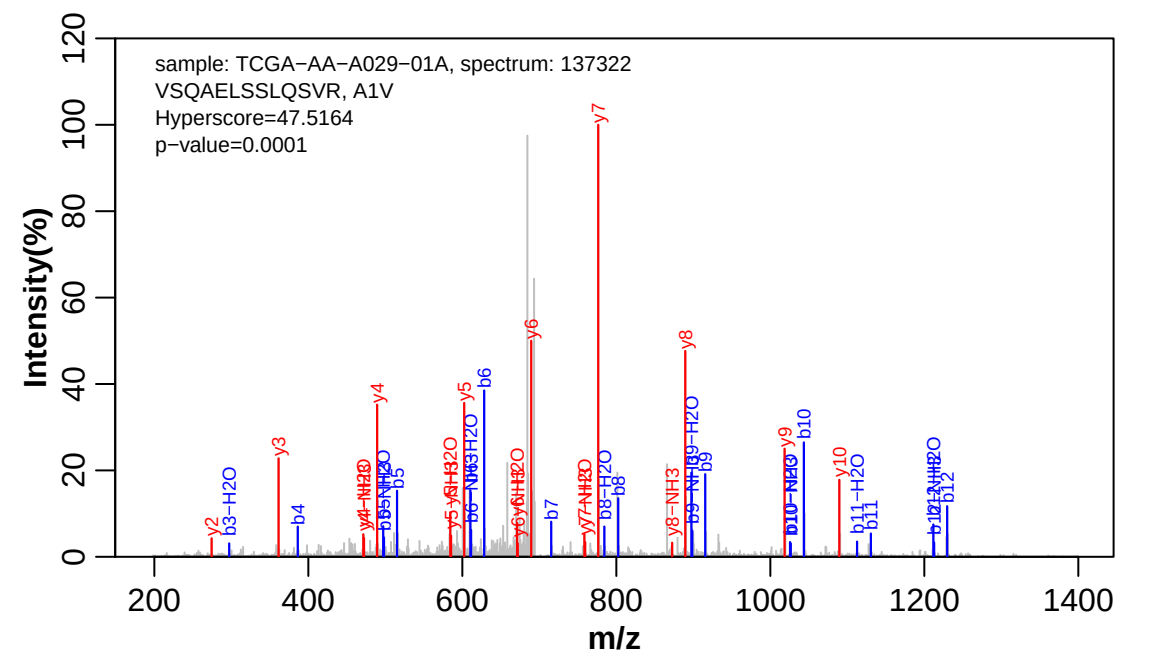

sample: TCGA−AA−A029−01A, spectrum: 60491
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=65.4487
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

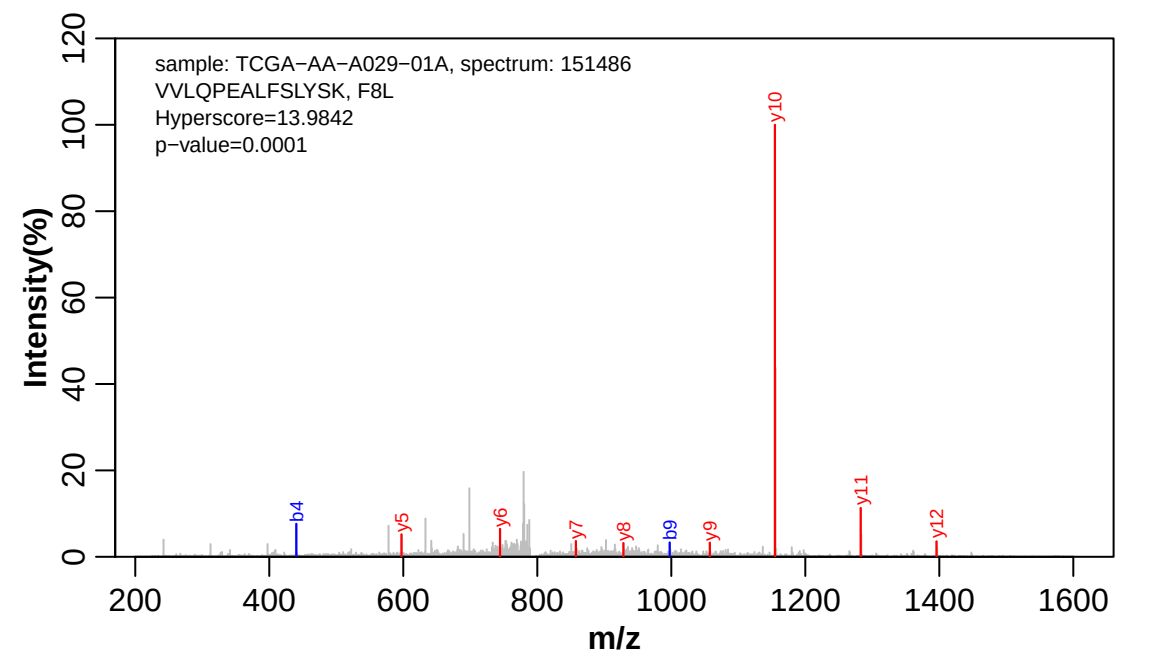

sample: TCGA−AA−A029−01A, spectrum: 80656
TVEDLDGLLQQLYR, H10Q
Hyperscore=55.7771
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b4
y4
b5
b6
b6−H2O
y5
y5−NH3
y6
y6−NH3
b8
b9
y8
y8−NH3
y9
b11
y10
b12
y11
b13

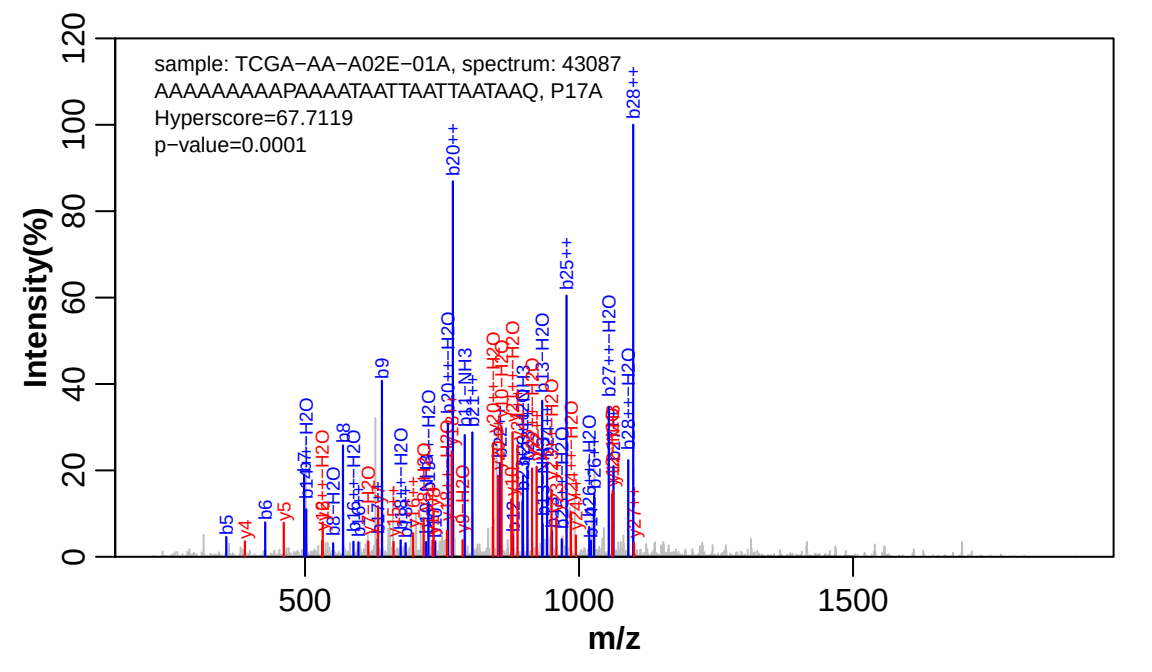

sample: TCGA−AA−A029−01A, spectrum: 95587
VMQVVDEK, I1V
Hyperscore=29.3475
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2−H2O
y2
b3
y3
b4
y4
b5
y5
b6
y6−NH3
y6
y7

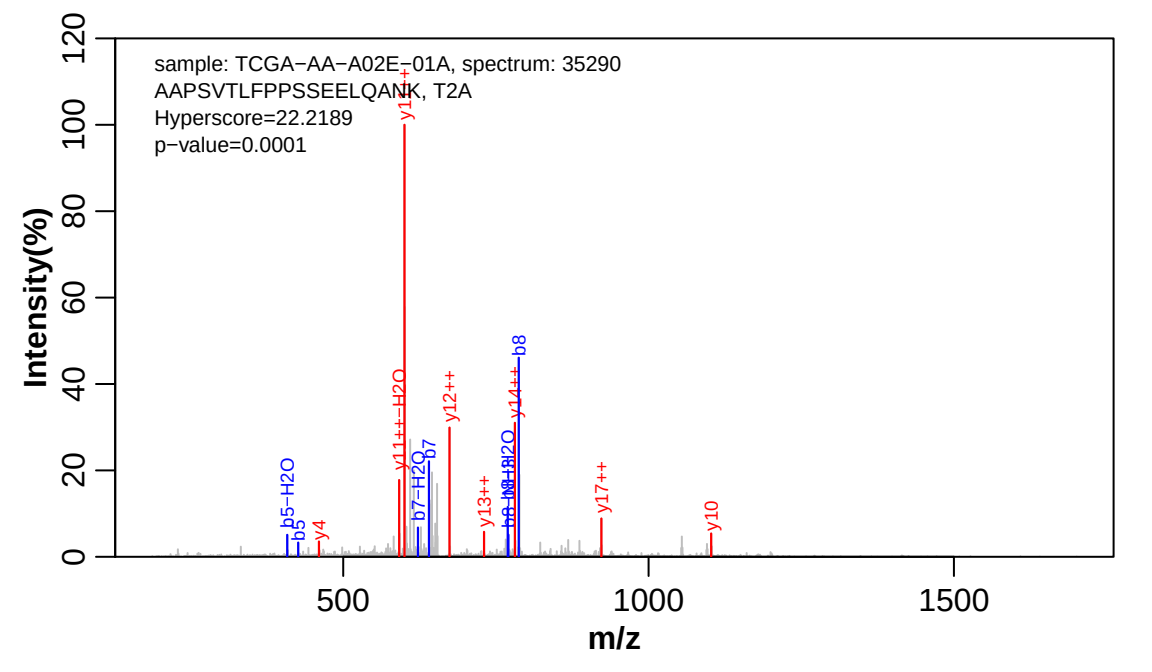

sample: TCGA−AA−A029−01A, spectrum: 73095
VPVTQATR, L3V
Hyperscore=12.8459
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3
y4
y5
y6
y7

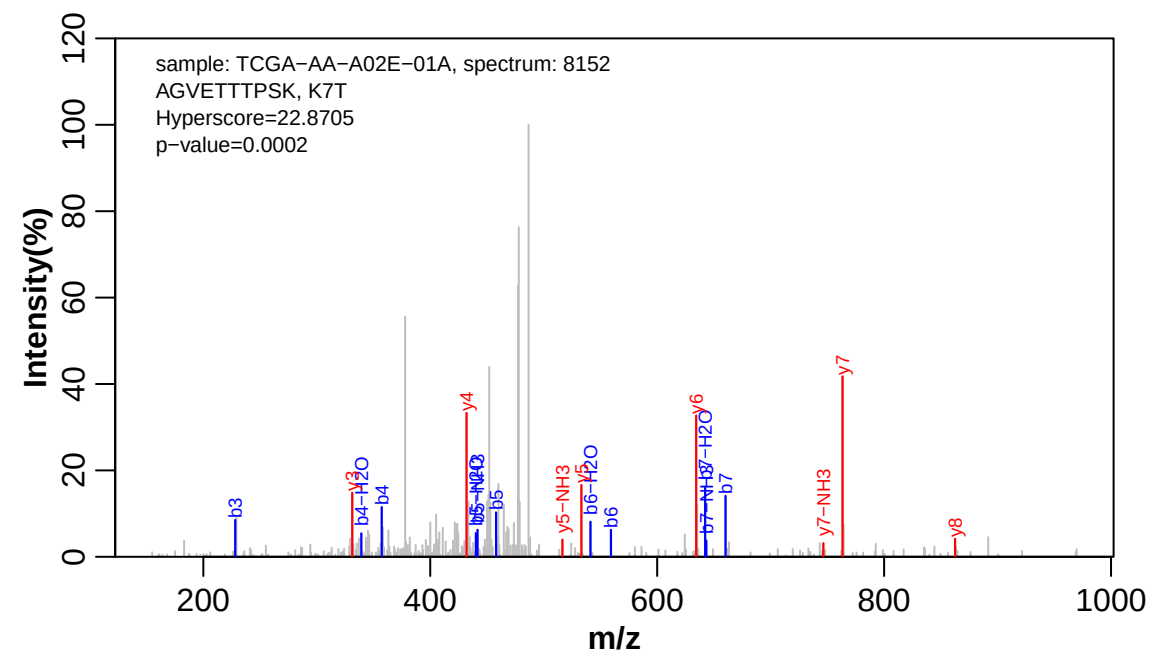

sample: TCGA−AA−A029−01A, spectrum: 130962
VQVLAAQLLSEMK, D11E
Hyperscore=59.8041
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3−H2O
y3
b4
y4−H2O
b5−NH3
b5
b6−NH3
b6
y5
b8
y7
y8−H2O
b9−NH3
b9
y9−H2O
y9
b10
y10
y11
b12

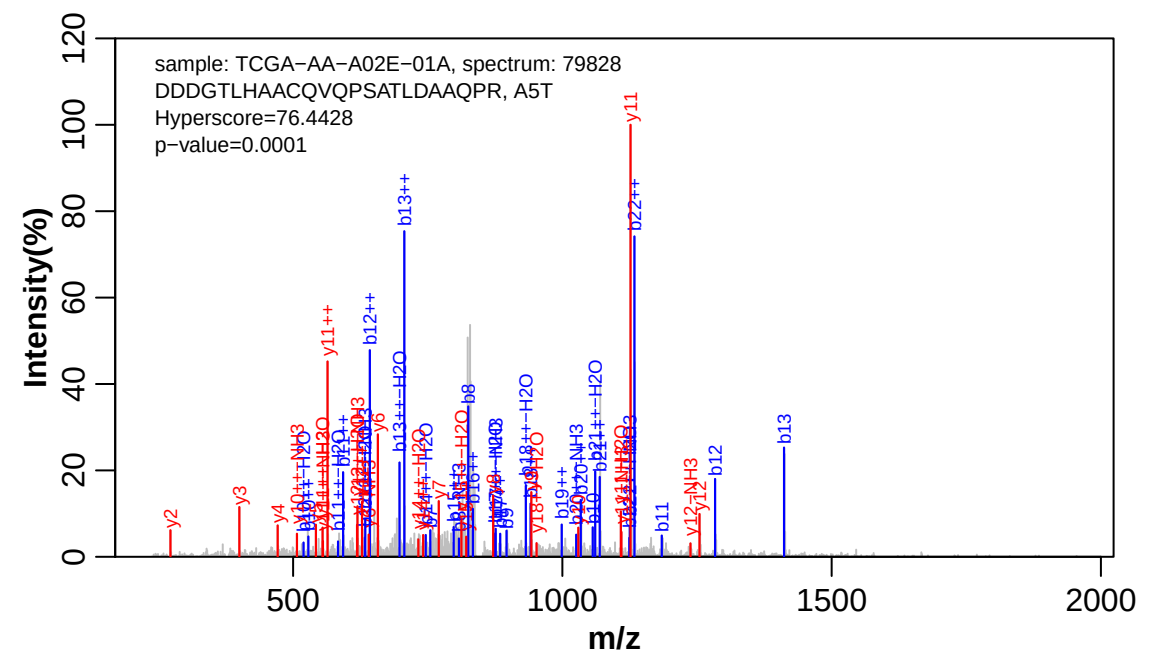

sample: TCGA−AA−A029−01A, spectrum: 137322
VSQAELSSLQSVR, A1V
Hyperscore=47.5164
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y6
y8
y4
y5
b6
y3
b7
y9
b10
y10
b12
b8
b9
b5
b4
y2
b3−H2O
b11
b11−H2O
y8−NH3
y7−H2O
y6−H2O
y5−H2O
y5−NH3
y4−H2O
y4−NH3
b5−H2O
b5−NH3
b6−H2O
b6−NH3
b8−H2O
b9−H2O
b9−NH3
b10−H2O
b10−NH3
b12−H2O
b12−NH3

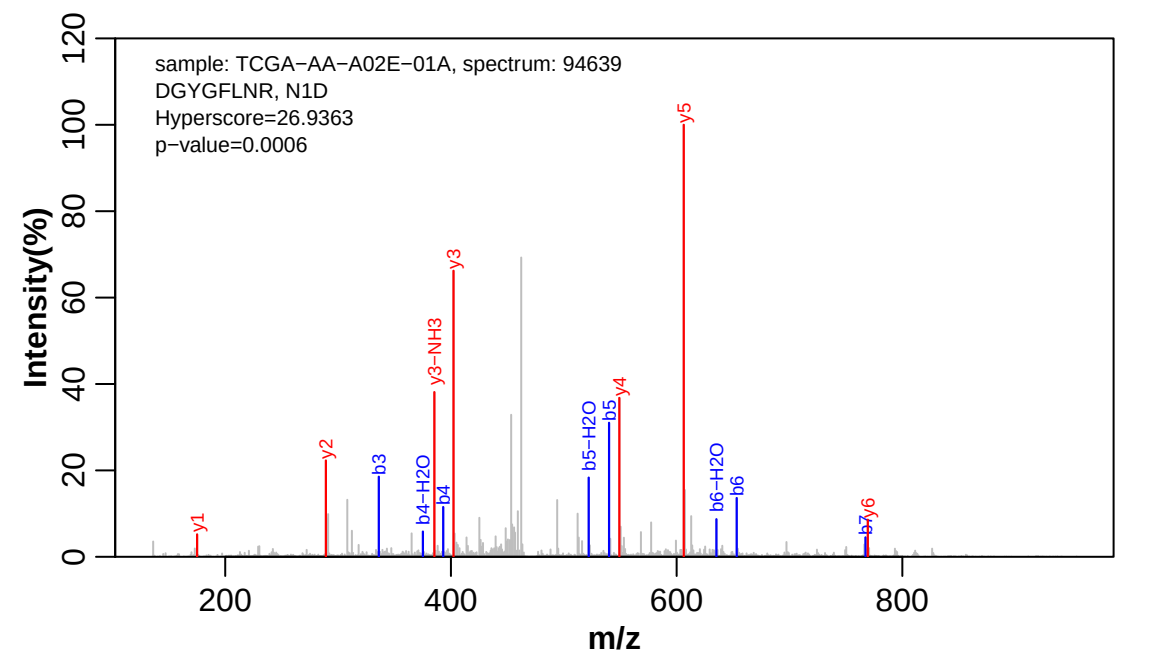

sample: TCGA−AA−A029−01A, spectrum: 151486
VVLQPEALFSLYSK, F8L
Hyperscore=13.9842
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
1600
b4
y5
y6
y7
y8
b9
y9
y10
y11
y12

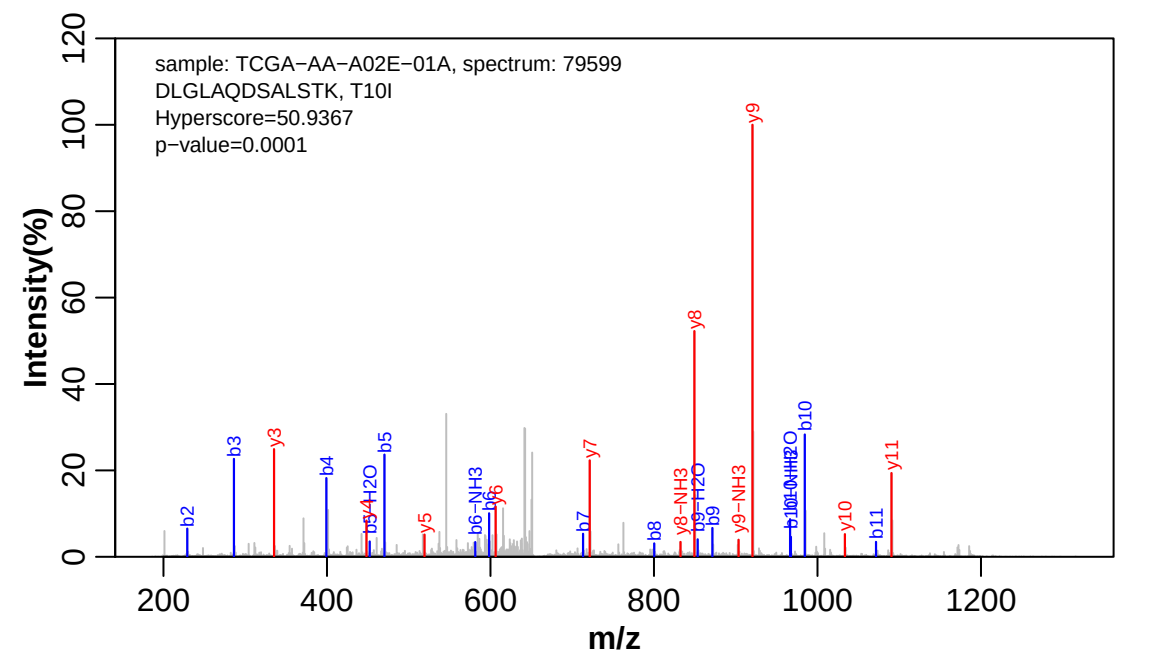

sample: TCGA−AA−A02E−01A, spectrum: 43087
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=67.7119
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5
y4
b6
y5
b9
b20++
b25++
b28++
b27++−H2O
b28++−H2O

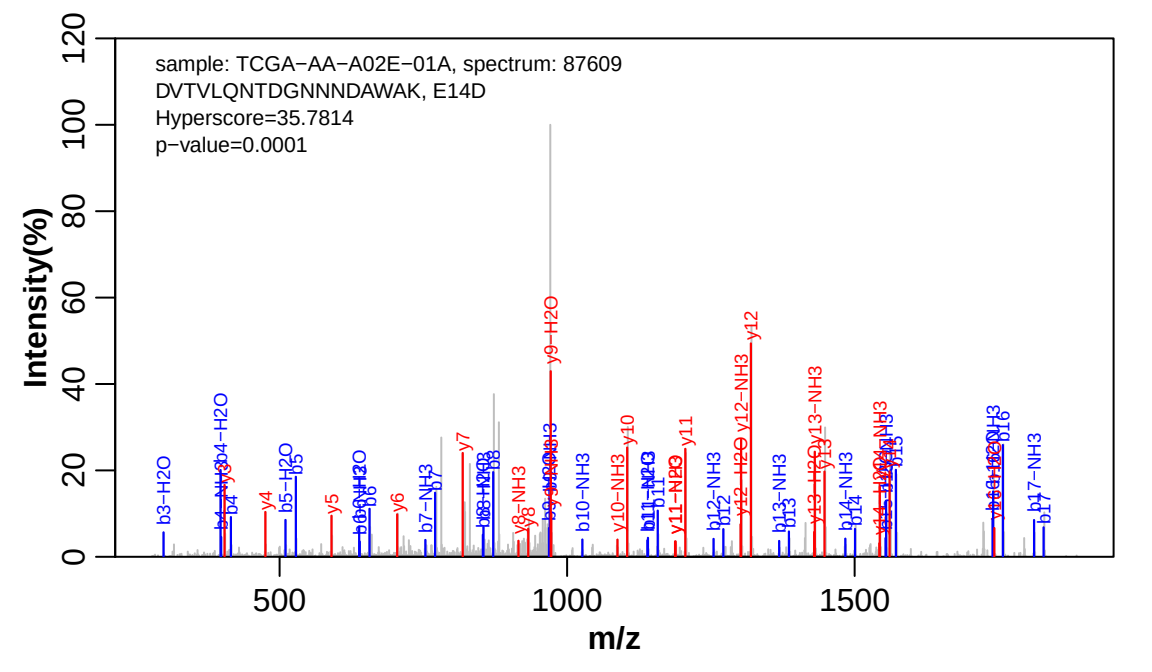

sample: TCGA−AA−A02E−01A, spectrum: 35290
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=22.2189
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
y11++−H2O
y12++
b7−H2O
b7
y13++
b8−NH3
b8−H2O
y14++
b8
y17++
y10
b5−H2O
b5
y4

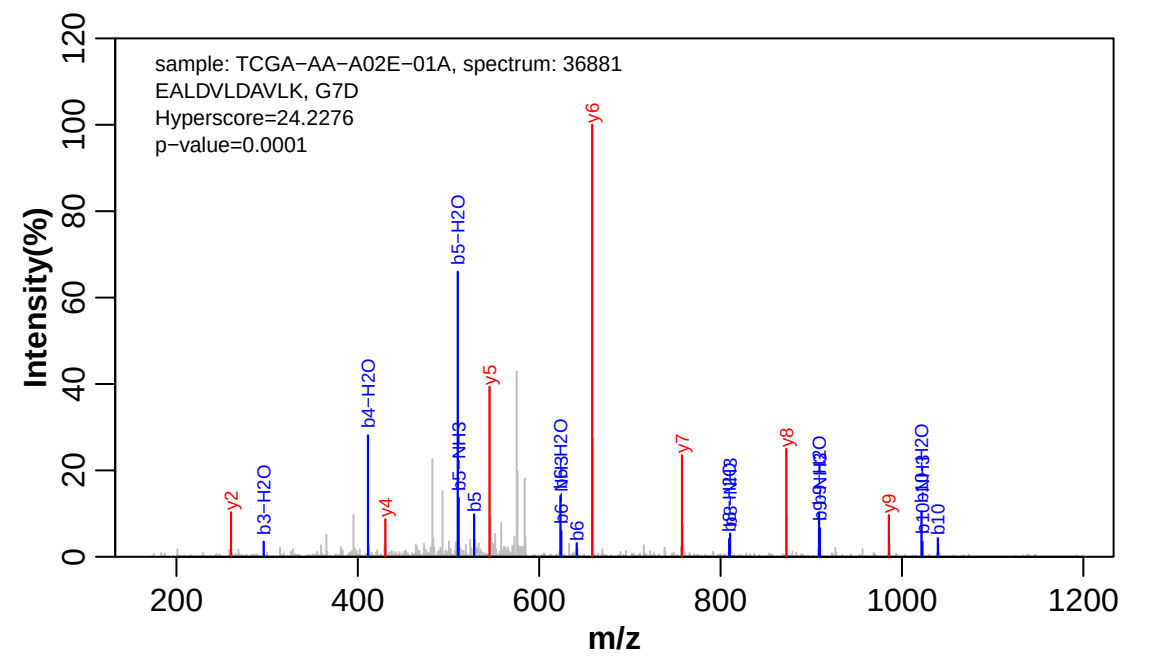

sample: TCGA−AA−A02E−01A, spectrum: 8152
AGVETTTPSK, K7T
Hyperscore=22.8705
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4−H2O
b4
y4
b5−NH3
b5
y5−NH3
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
y7−NH3
y8

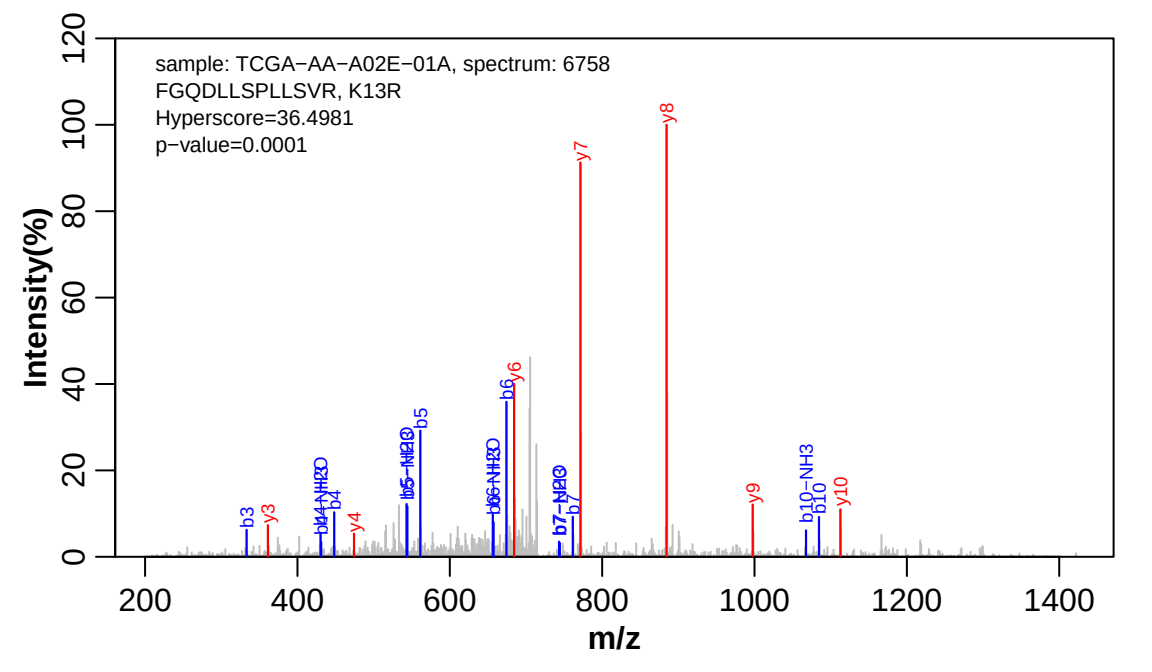

sample: TCGA−AA−A02E−01A, spectrum: 79828
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=76.4428
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y4
y6
y7
y11
y11++
y12++
y12
b11
b12
b12++
b13
b13++
b13++−H2O
b19++
b21++−H2O
b22++
b8

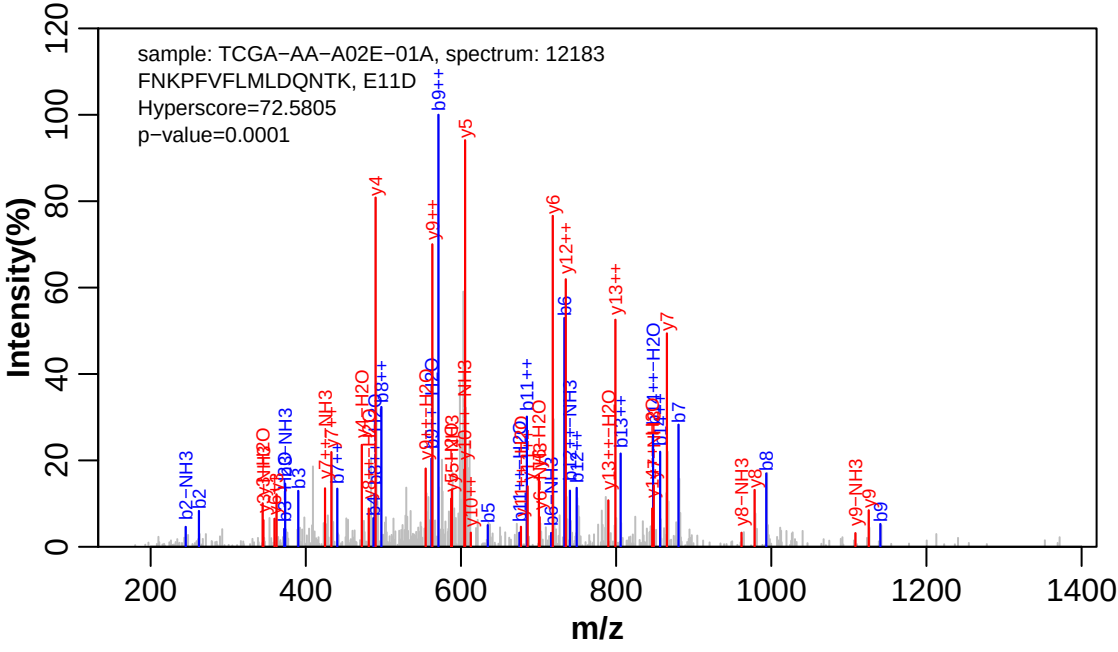

sample: TCGA−AA−A02E−01A, spectrum: 94639
DGYGFLNR, N1D
Hyperscore=26.9363
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3
b4−H2O
b4
y3−NH3
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

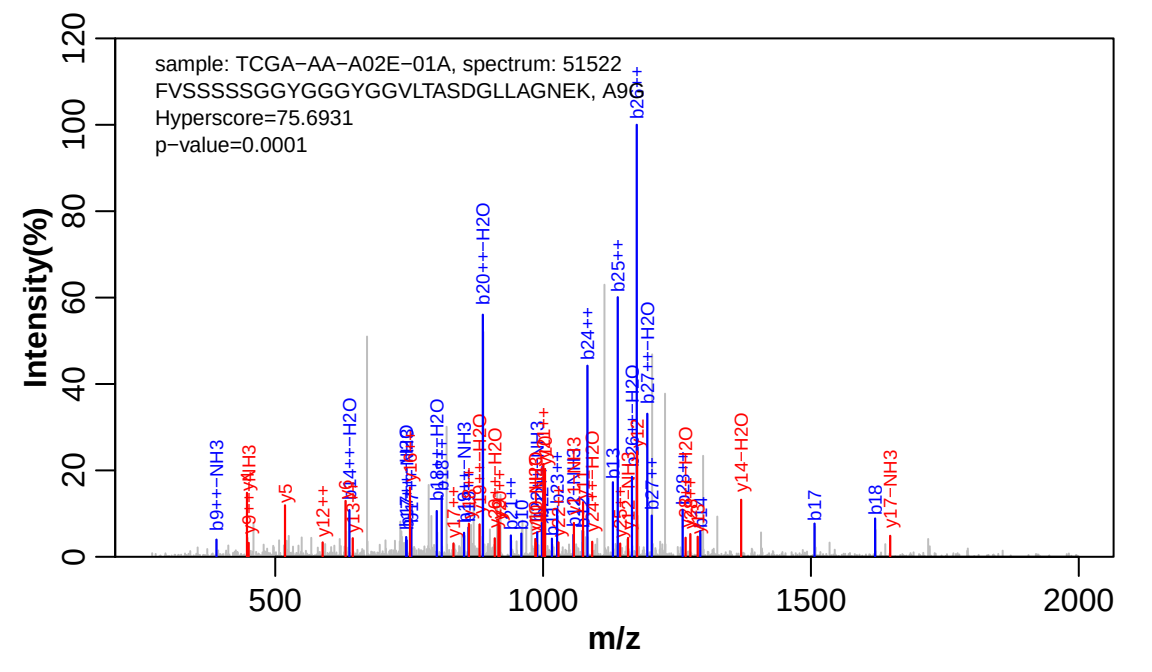

sample: TCGA−AA−A02E−01A, spectrum: 79599
DLGLAQDSALSTK, T10I
Hyperscore=50.9367
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4
b5
b5/4−H2O
y5
b6−NH3
b6
y6
y7
b7
b8
y8
y8−NH3
b9−H2O
b9
y9−NH3
y9
b10−NH3
b10−H2O
b10
y10
b11
y11

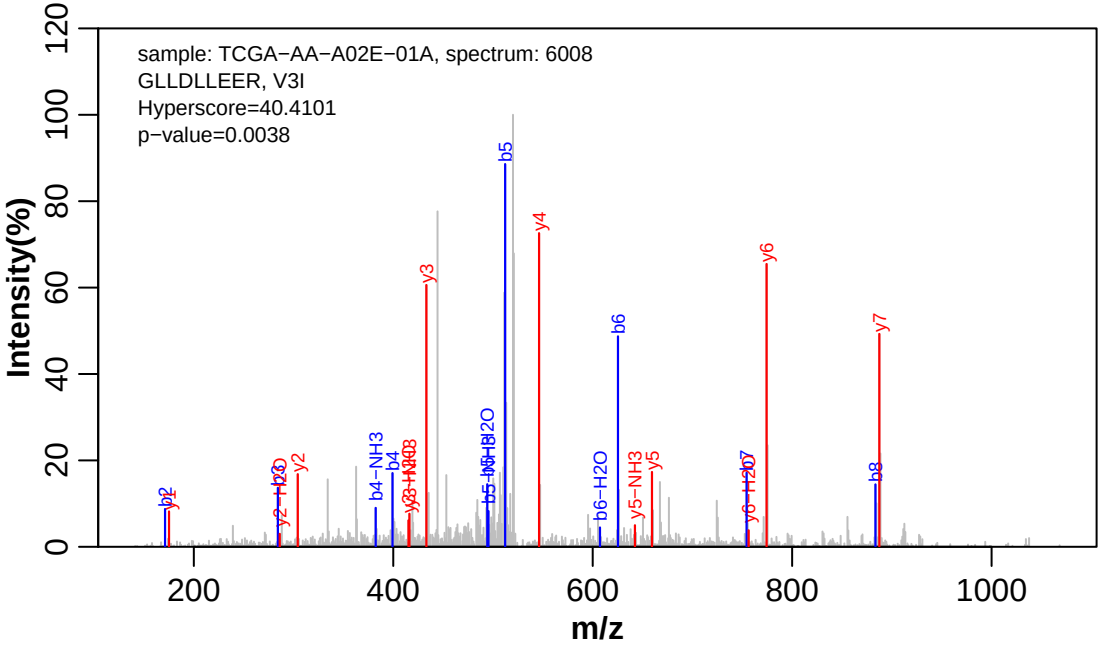

sample: TCGA−AA−A02E−01A, spectrum: 87609
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=35.7814
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
y4
b5−H2O
y5
y6
b7−NH3
y7
y8−NH3
y9−H2O
b10−NH3
y10−NH3
y10
y11
b12−NH3
y12−H2O
y12−NH3
y12
b13−NH3
y13−NH3
b14−NH3
b17−NH3

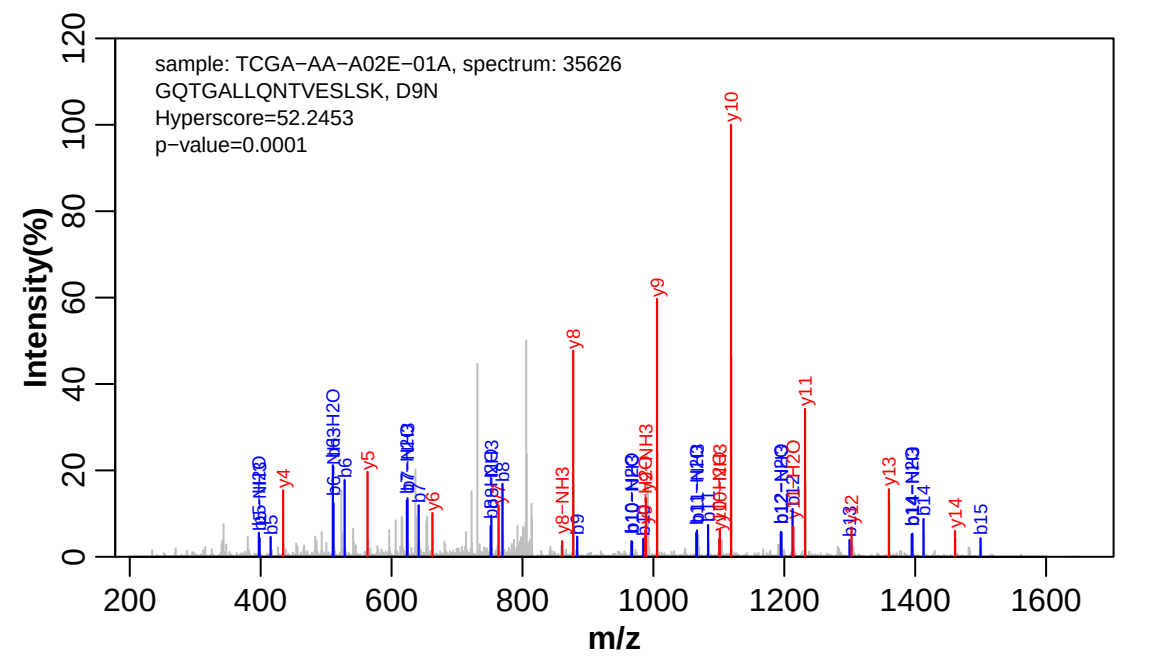

sample: TCGA−AA−A02E−01A, spectrum: 36881
EALDVLDAVLK, G7D
Hyperscore=24.2276
p−value=0.0001
Intensity(%)
m/z
y2
b3−H2O
b4−H2O
y4
b5−NH3
b5−H2O
b5
y5
b6
y6
y7
y8
y9
b10
0
20
40
60
80
100
120
200
400
600
800
1000
1200

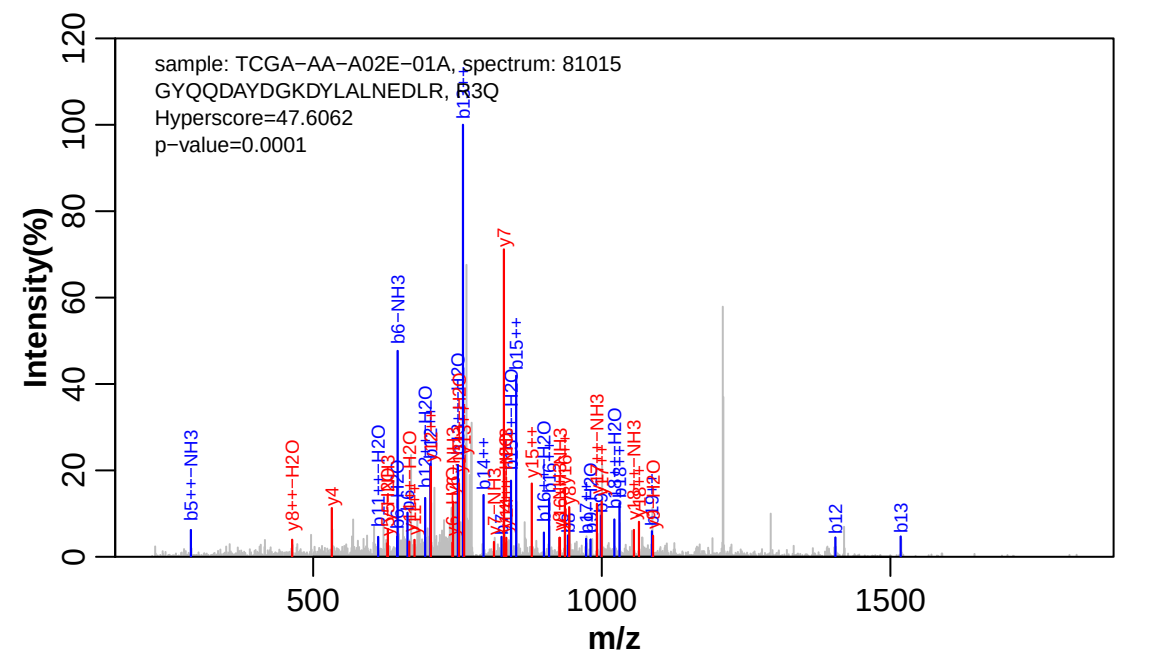

sample: TCGA−AA−A02E−01A, spectrum: 6758
FGQDLLSPLLSVR, K13R
Hyperscore=36.4981
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4
y4
b5
y6
b6
y7
y8
y9
b10−NH3
b10
y10

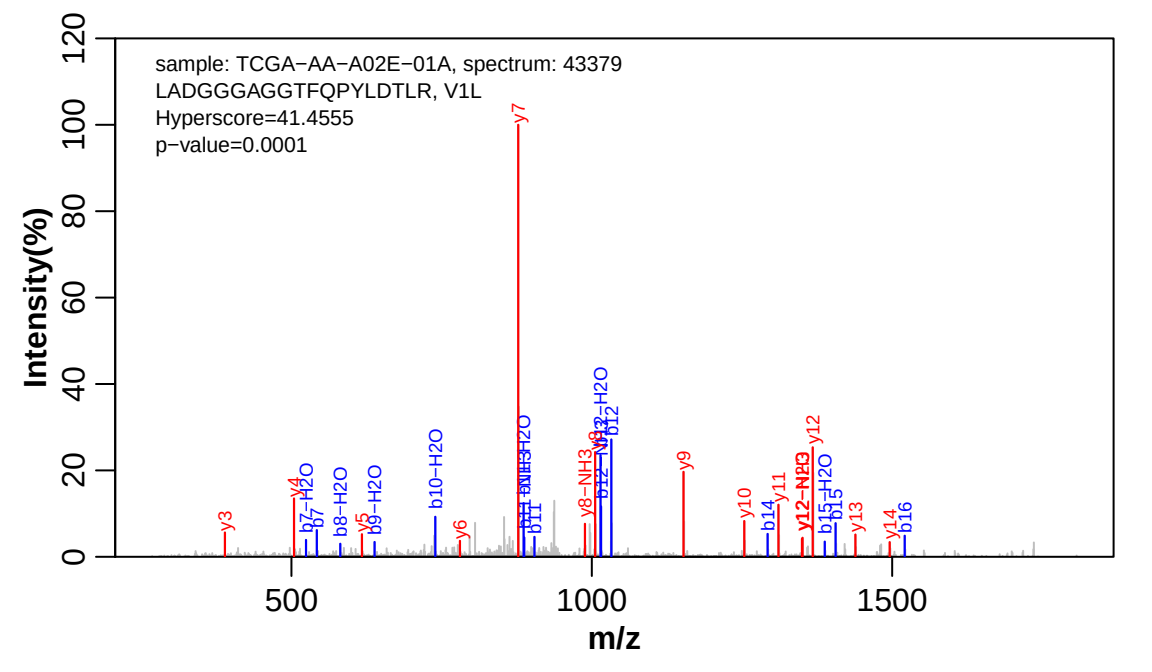

sample: TCGA−AA−A02E−01A, spectrum: 12183
FNKPFVFLMLDQNTK, E11D
Hyperscore=72.5805
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−NH3
b2
b3
y7++−NH3
b7++
y4
y1−H2O
b8++
y9++
b9++
y5
y10++−NH3
b5
b6
y12++
y6
y13++−H2O
y13++
b7
y7
y8−NH3
y8
b8
y9−NH3
y9
b9

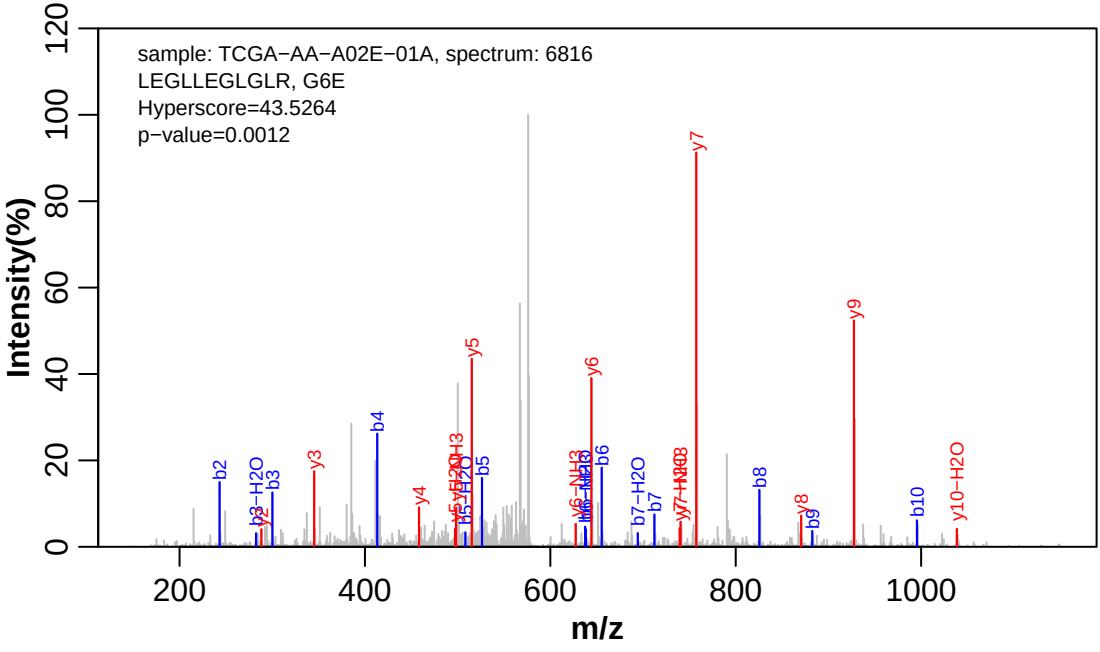

sample: TCGA−AA−A02E−01A, spectrum: 51522
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=75.6931
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y9++−NH3
y5
y12++
y13++
b14++−H2O
b20++−H2O
b24++
b25++
b26++
b27++−H2O
y14−H2O
b17
b18
y17−NH3

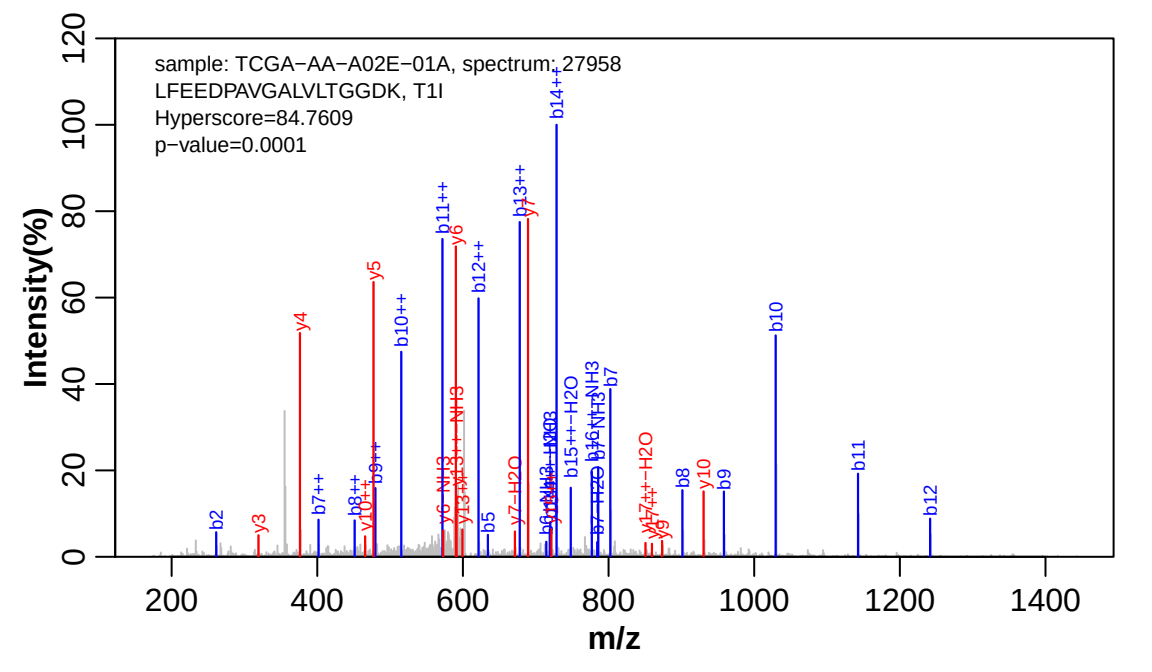

sample: TCGA−AA−A02E−01A, spectrum: 6008
GLLDLLEER, V3I
Hyperscore=40.4101
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
y2−H2O
b4−NH3
b4
y3
b5
b5−H2O
y4
b6
b6−H2O
y5−NH3
y5
y6
y6−H2O
y7
b8

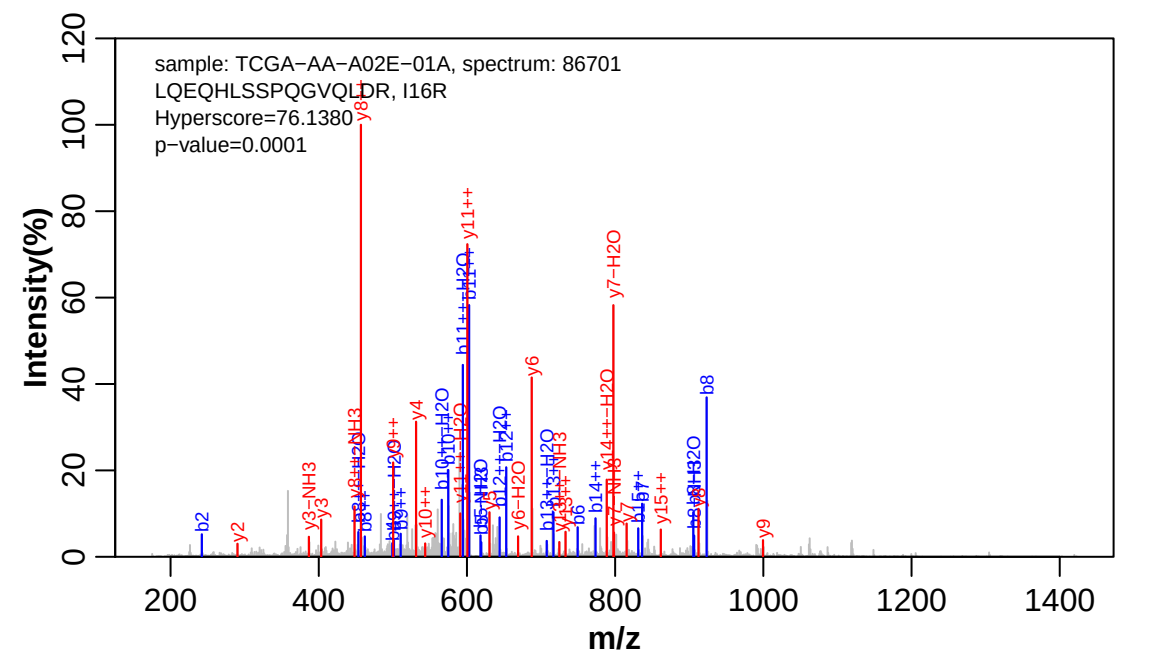

sample: TCGA−AA−A02E−01A, spectrum: 35626
GQTGALLQNTVESLSK, D9N
Hyperscore=52.2453
p−value=0.0001
Intensity(%)
m/z
y10
y9
y8
y11
y13
y14
y4
y5
y6
b15

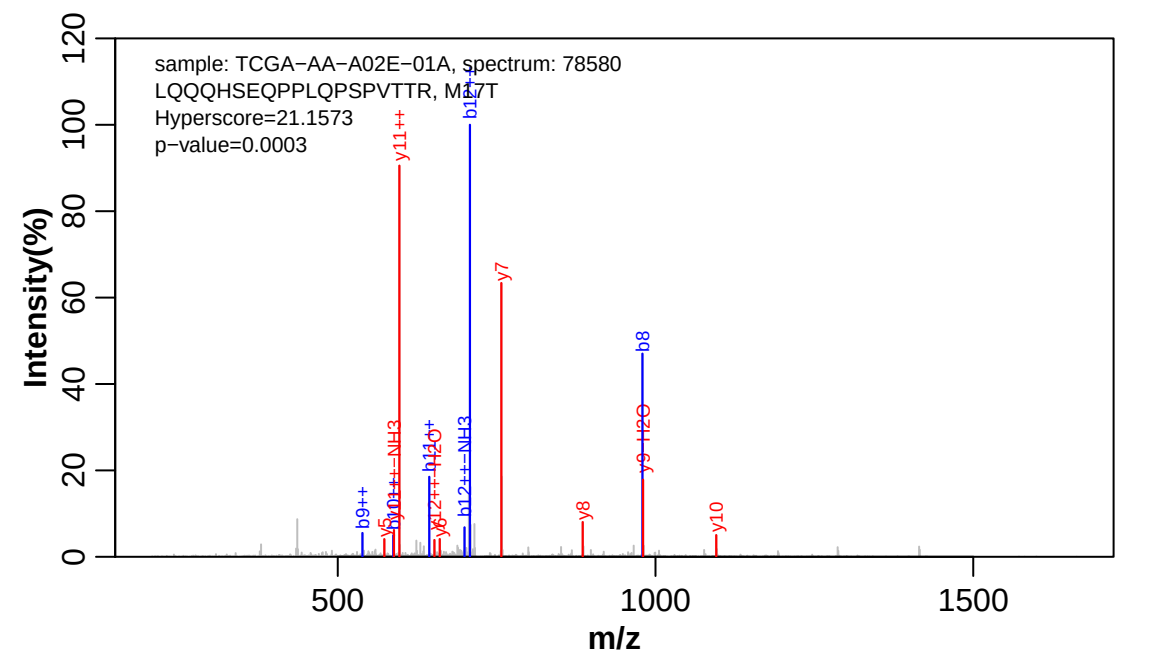

sample: TCGA−AA−A02E−01A, spectrum: 81015
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=47.6062
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5++−NH3
y8++−H2O
y4
b6−NH3
b12++
y7
b15++
b14++
b12
b13

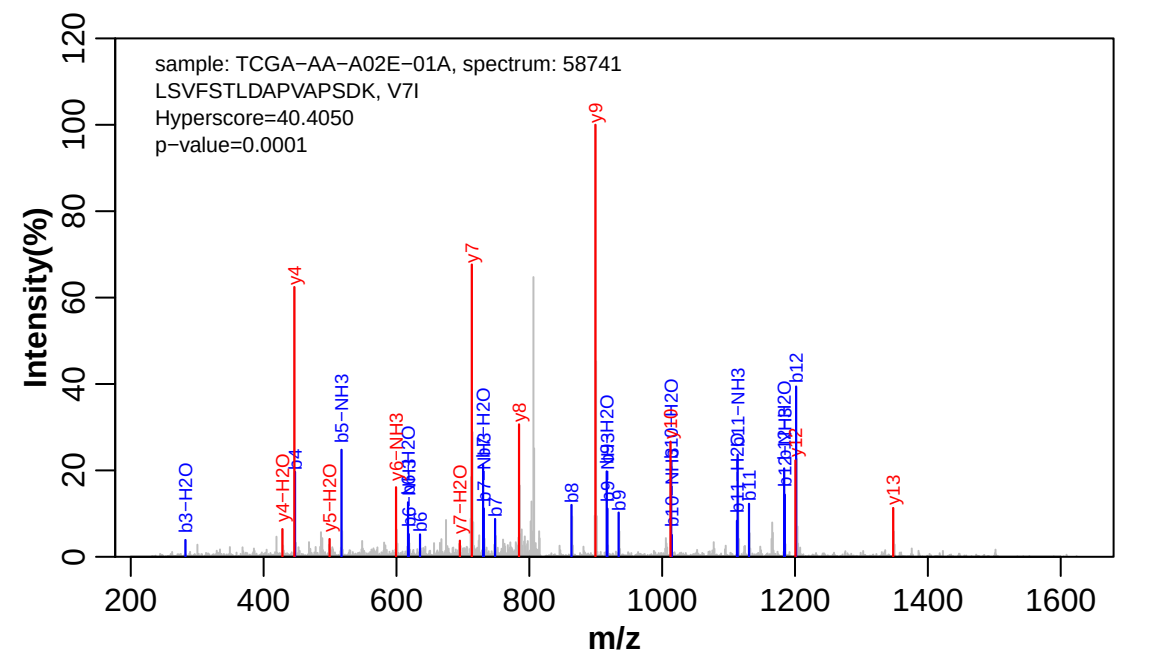

sample: TCGA−AA−A02E−01A, spectrum: 43379
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=41.4555
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
b7−H2O
b7
b8−H2O
y5
b9−H2O
b10−H2O
y6
y7
y8−NH3
y8
b12−H2O
b12
y9
y10
b14
y11
y12−NH3
y12
b15−H2O
b15
y13
y14
b16

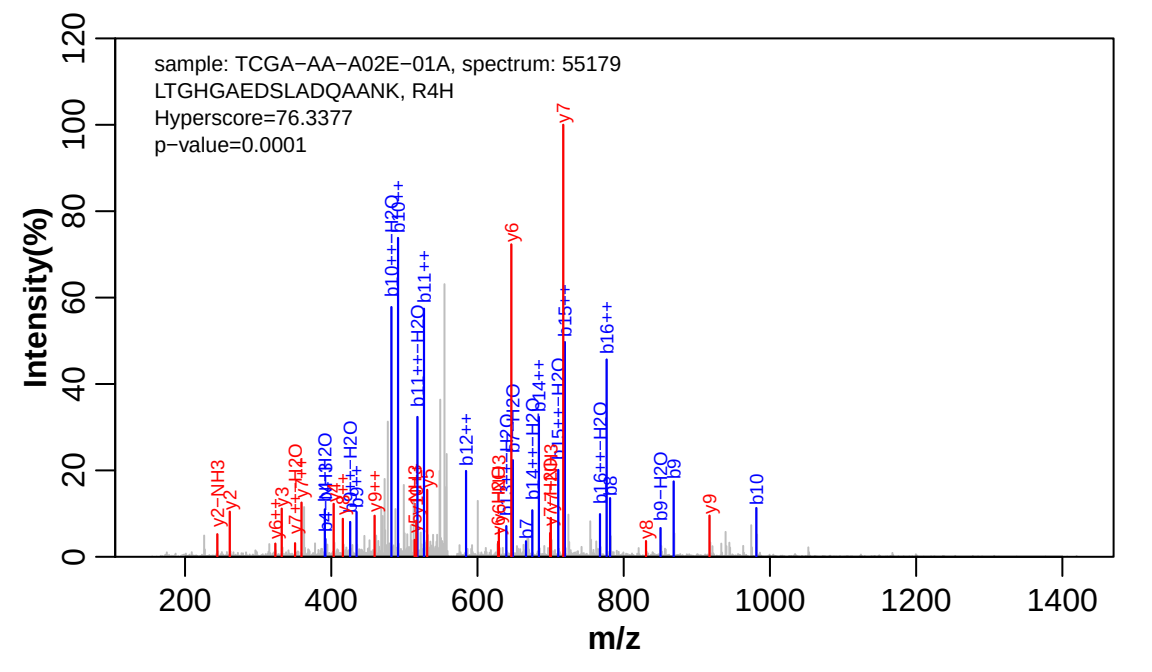

sample: TCGA−AA−A02E−01A, spectrum: 6816
LEGLLEGLGLR, G6E
Hyperscore=43.5264
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y3
b4
y4
y5
b5
y6
b6
b7−H2O
b7
y7
y8
b8
b9
y9
b10
y10−H2O

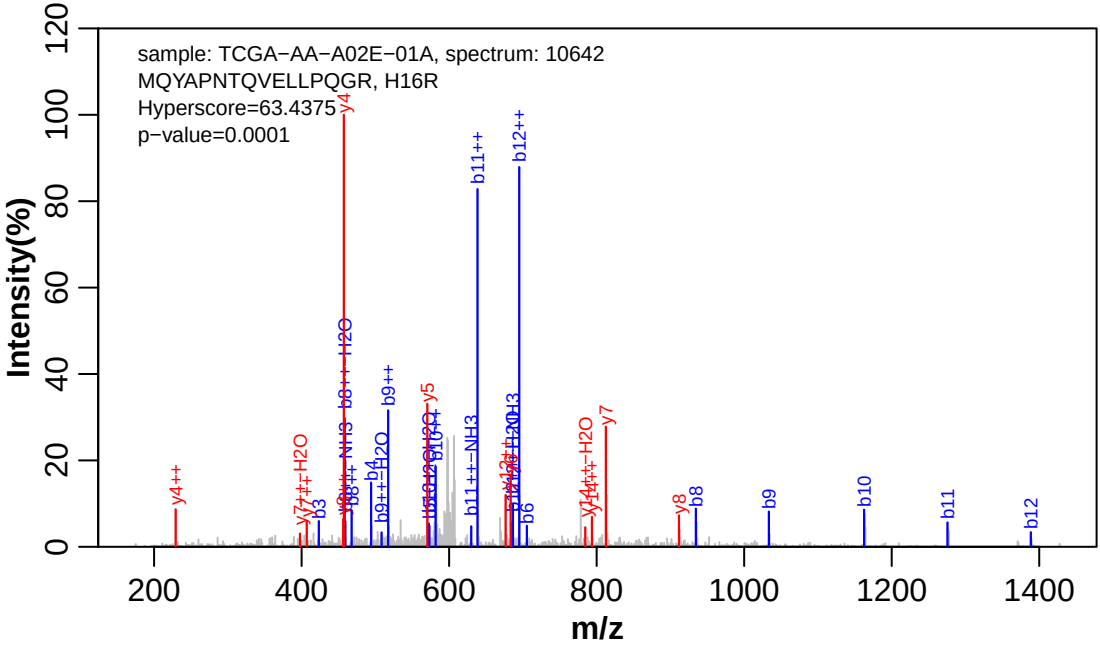

sample: TCGA−AA−A02E−01A, spectrum: 27958
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=84.7609
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
b8++
y10++
b9++
y5
b10++
b11++
y6
b12++
y6−NH3
y13++−NH3
y13++
y7−H2O
b5
b13++
y7
b14++
b15++−H2O
b7−NH3
b7
b10
b8
y10
b9
y17++−H2O
y9
b11
b12

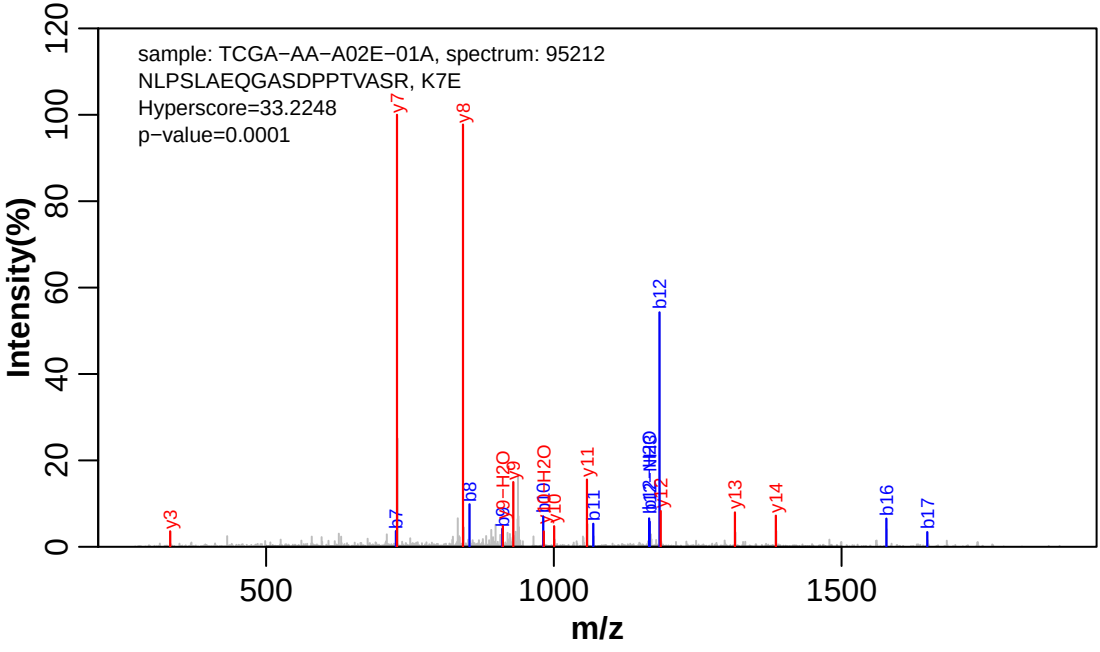

sample: TCGA−AA−A02E−01A, spectrum: 86701
LQEQHLSSPQGVQLDR, I16R
Hyperscore=76.1380
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
y3−NH3
y3
y8++
y8
y8++−H2O−NH3
b8++
b9++−H2O
b9++
y4
y10++
b10++−H2O
b10++
y11++−H2O
y11++
b11++−H2O
b11++
y12++−H2O
y12++
y6−H2O
y6
b12++−H2O
b12++
y13++−NH3
y13++
b6
b14++
y7−NH3
y7
y14++−H2O
y14++
y7−H2O
b15++
b15
y15++
b8++−H2O
b8
y9

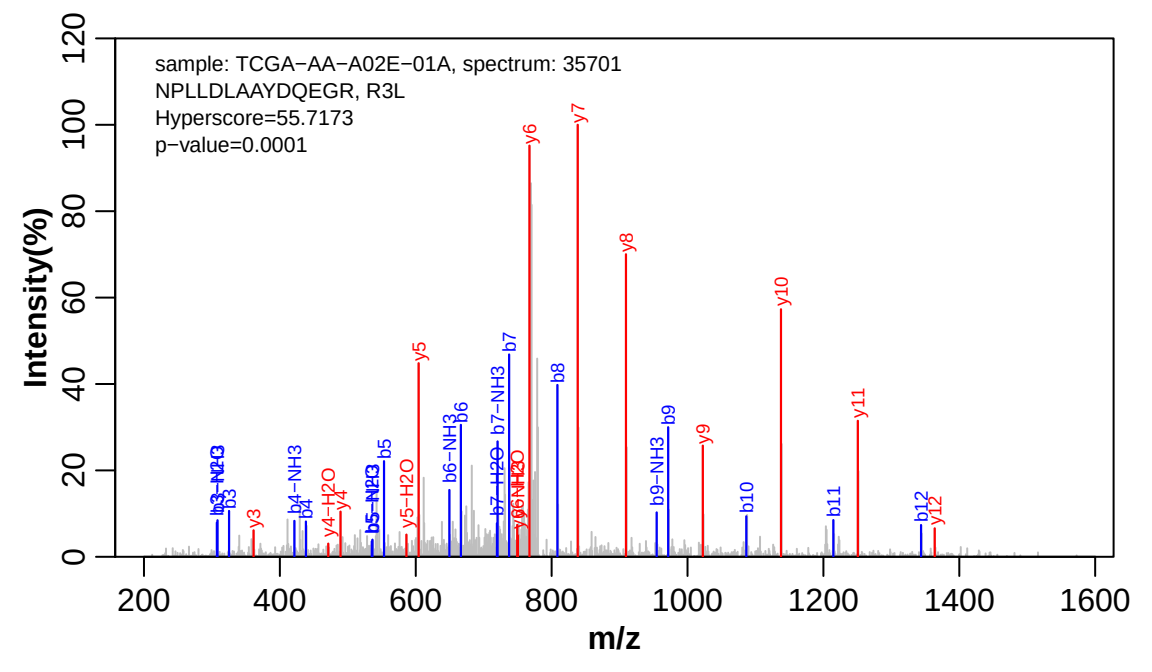

sample: TCGA−AA−A02E−01A, spectrum: 78580
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.1573
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b9++
y5
b10++−NH3
y11++
b11++
y6
y12++
b12++−NH3
y7
y8
y9−H2O
b8
y10

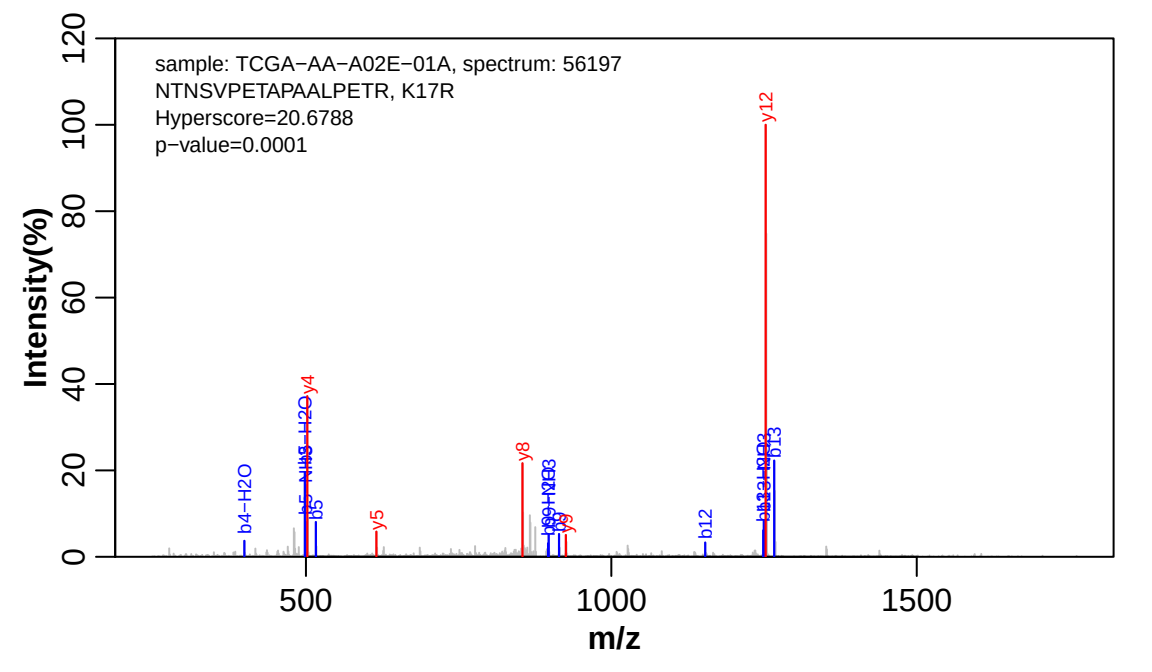

sample: TCGA−AA−A02E−01A, spectrum: 58741
LSVFSTLDAPVAPSDK, V7I
Hyperscore=40.4050
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y4
y7
y8
y13
b12
b8
b5−NH3
b3−H2O
y4−H2O
y5−H2O
y6−NH3
y7−H2O
b11−NH3
b11−H2O
b10−H2O

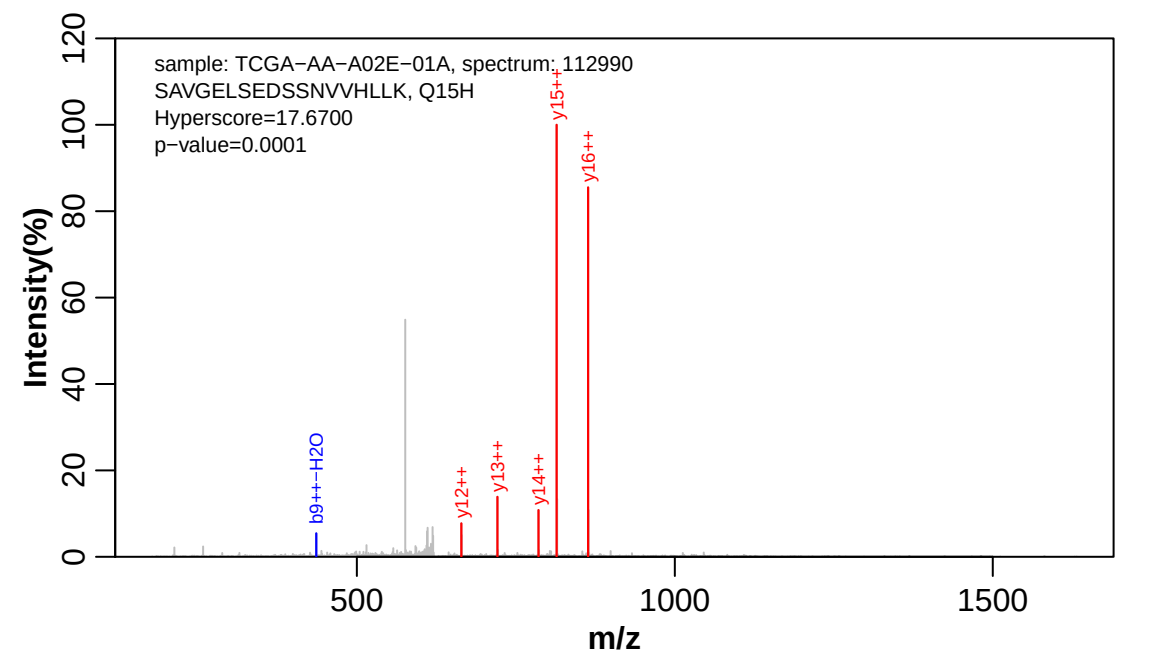

sample: TCGA−AA−A02E−01A, spectrum: 55179
LTGHGAEDSLADQAANK, R4H
Hyperscore=76.3377
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y6
y2−NH3
y2
y9
y8
y9−H2O
y10
b10
b11++
b11++−H2O
b12++
b14++
b15++
b15++−H2O
b16++
b16++−H2O
b8
b7
b9
b9−H2O

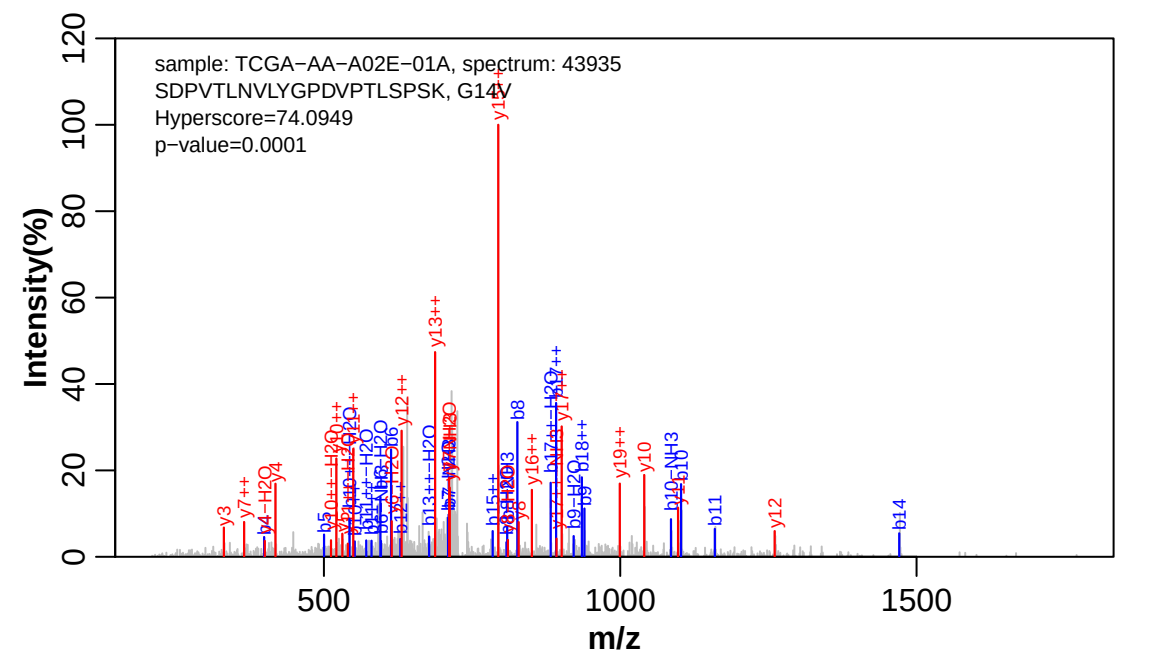

sample: TCGA−AA−A02E−01A, spectrum: 10642
MQYAPNTQVELLPQGR, H16R
Hyperscore=63.4375
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4++
y4
y7++−H2O
y3
b3
y8++−NH3
b8++−H2O
b8++
b4
b9++−H2O
b9++
y5
b11++−NH3
b11++
b12++
y7
y8++−H2O
y8
b8
b9
b10
b11
b12

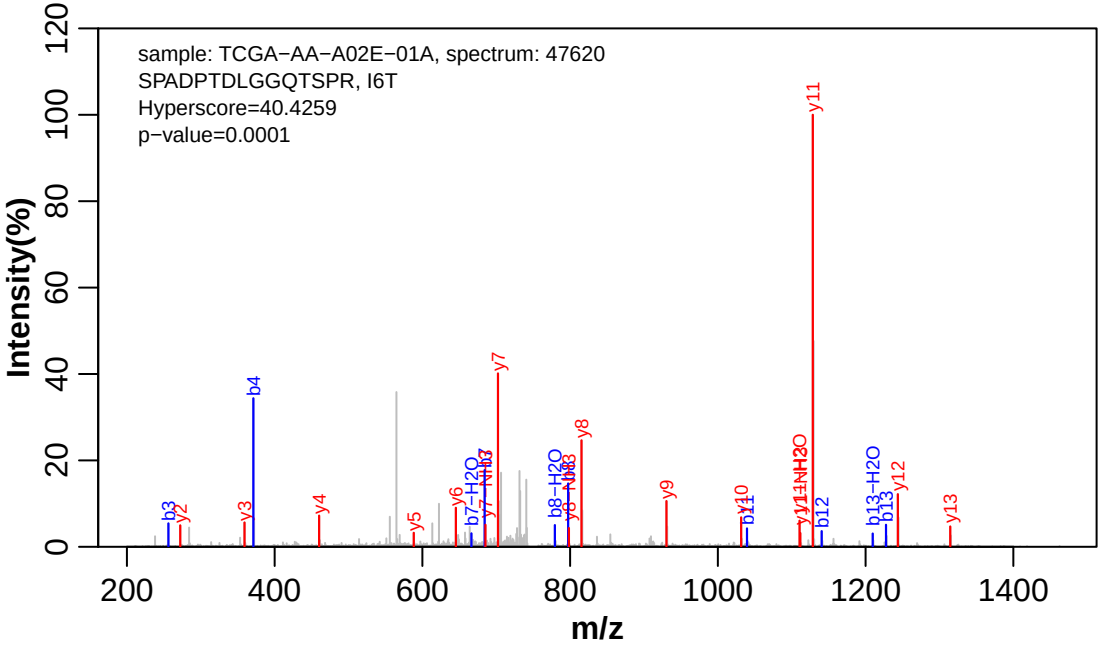

sample: TCGA−AA−A02E−01A, spectrum: 95212
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=33.2248
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y8
b12
y3
b7
b8
y9
y10
y11
b11
y12
y13
y14
b16
b17

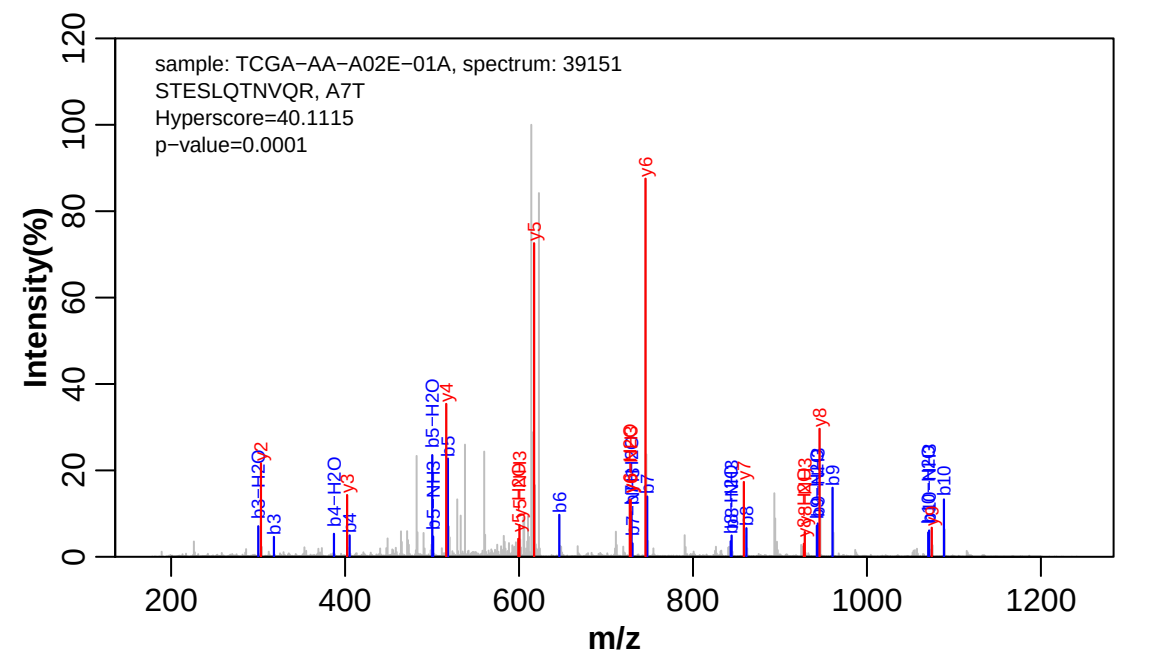

sample: TCGA−AA−A02E−01A, spectrum: 35701
NPLLDLAAYDQEGR, R3L
Hyperscore=55.7173
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y8
y10
y11
y5
b8
b7
b7−NH3
b6
b6−NH3
b9
b9−NH3
y9
b10
b11
b12
y12
y3
b4
b4−NH3
y4
y4−H2O
b5
y5−H2O
b7−H2O

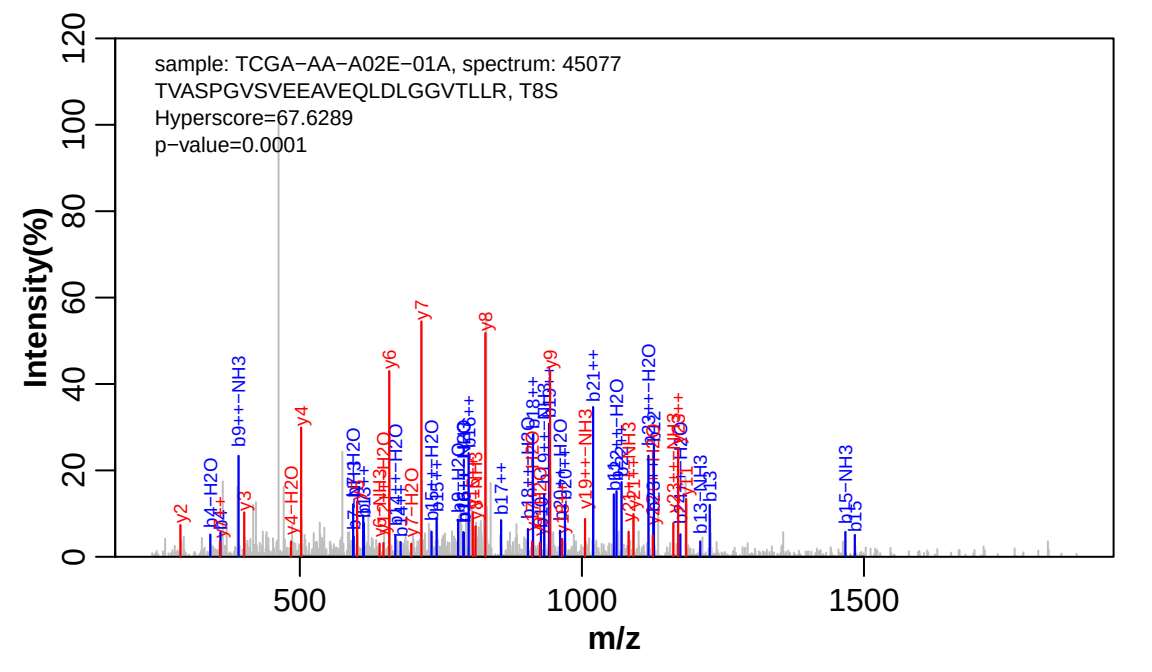

sample: TCGA−AA−A02E−01A, spectrum: 56197
NTNSVPETAPAALPETR, K17R
Hyperscore=20.6788
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y8
y4
y5
b4−H2O
b5
b12
b13

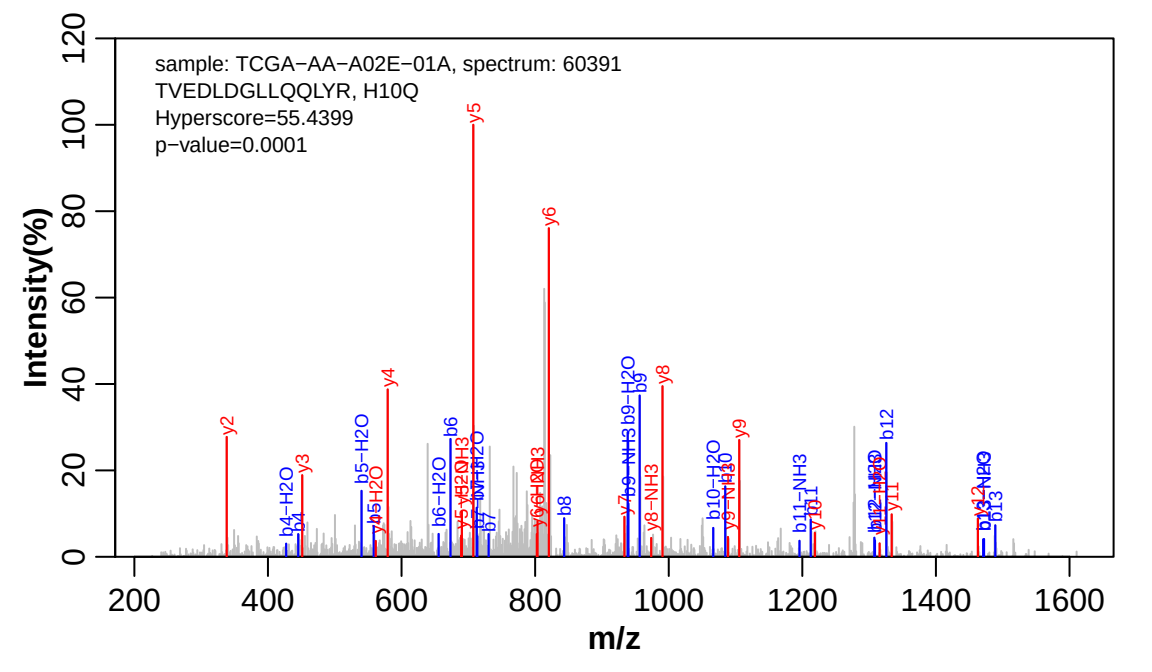

sample: TCGA−AA−A02E−01A, spectrum: 112990
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.6700
p−value=0.0001
y15++
y16++
b9++−H2O
y12++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

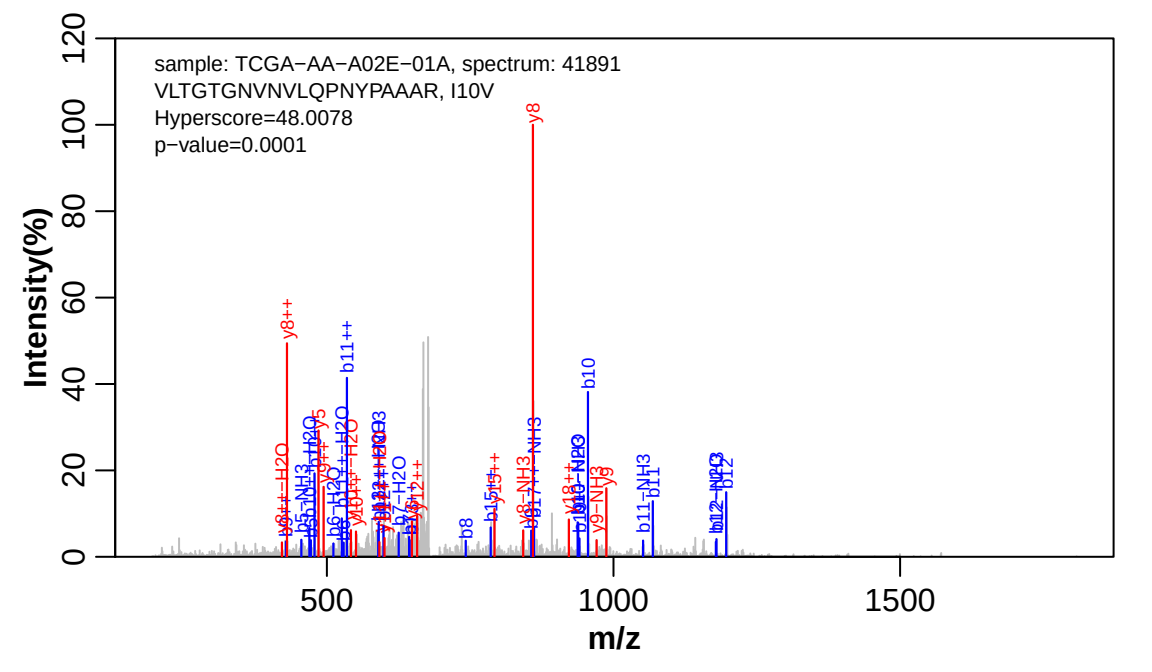

sample: TCGA−AA−A02E−01A, spectrum: 43935
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=74.0949
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y7++
b4−H2O
y4
b5
y13++
y12++
b13++−H2O
b8
y16++
y19++
y10
b10−NH3
b11
y12
b14

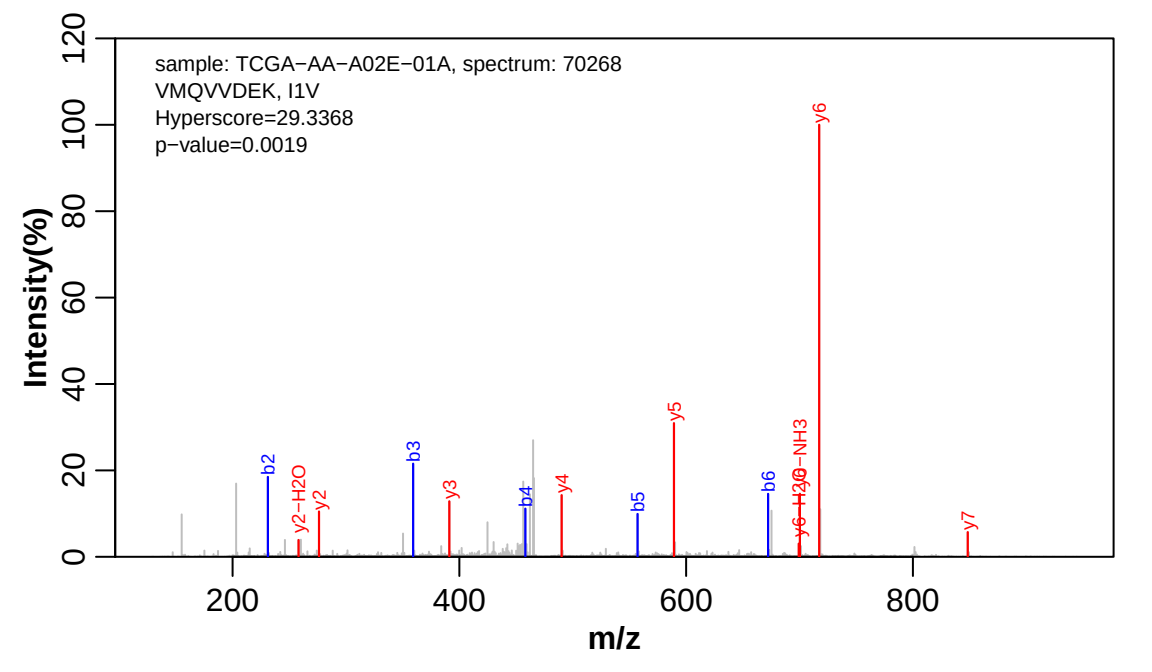

sample: TCGA−AA−A02E−01A, spectrum: 47620
SPADPTDLGGQTSPR, I6T
Hyperscore=40.4259
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
y5
y6
b7−H2O
y7
y7−NH3
b8−H2O
y8
y8−NH3
y9
b10
y10
b11
y11
y11−NH3
y11−H2O
b12
b13−H2O
b13
y12
y13

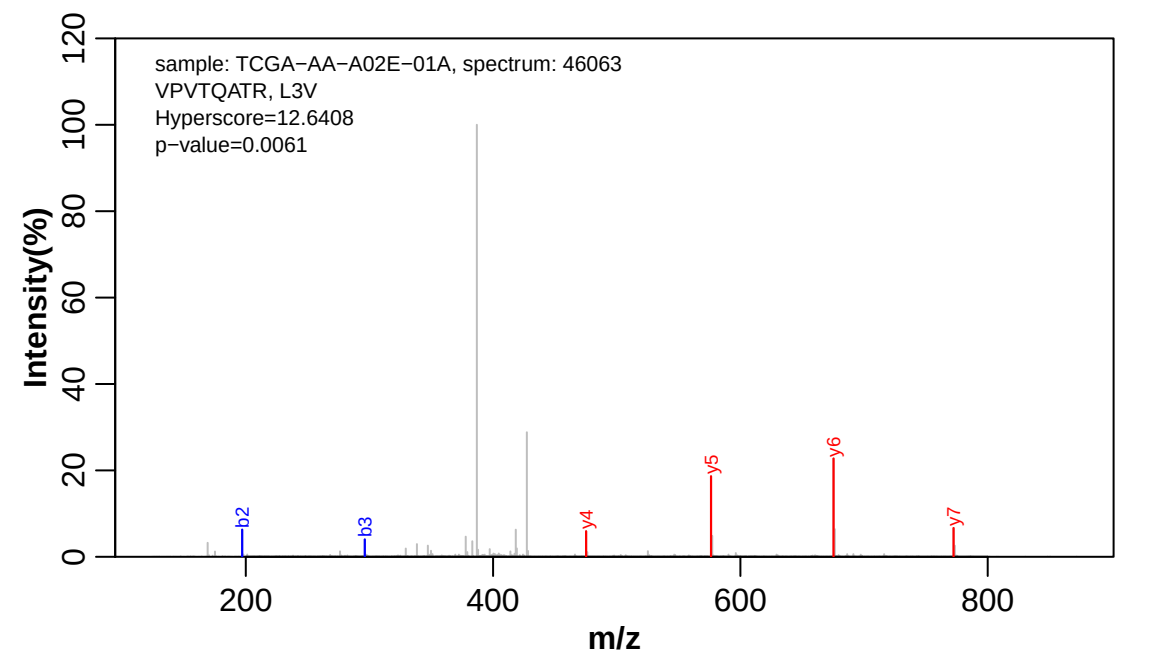

sample: TCGA−AA−A02E−01A, spectrum: 39151
STESLQTNVQR, A7T
Hyperscore=40.1115
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y4
y8
b6
b7
b9
b10
b3
b4
b5
y3

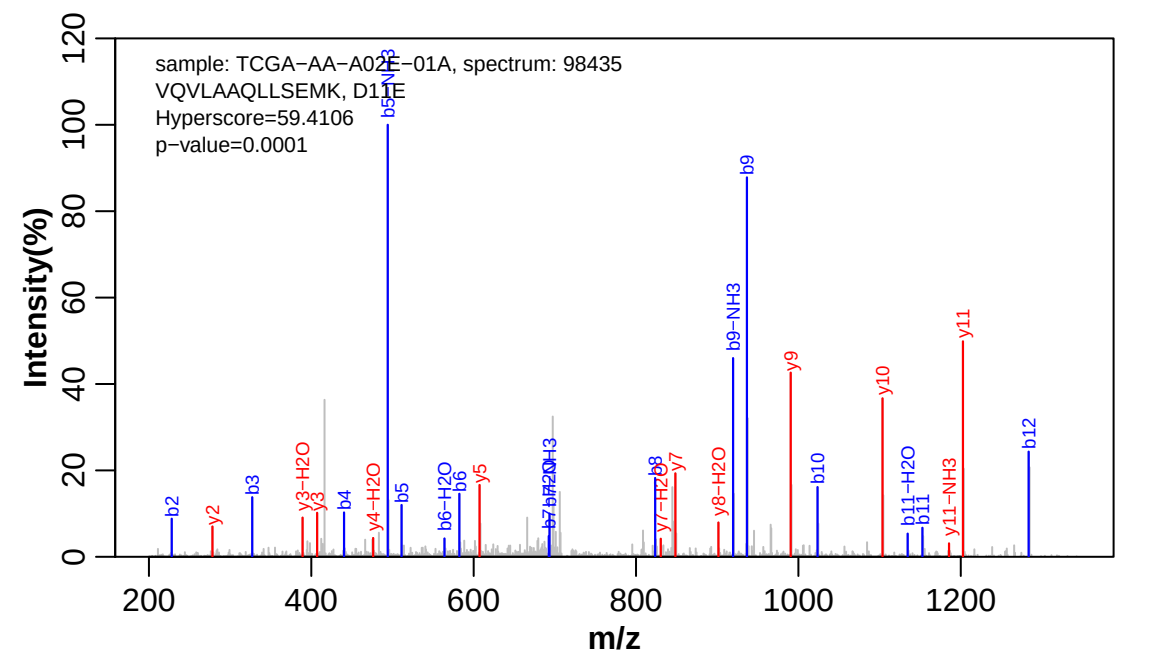

sample: TCGA−AA−A02E−01A, spectrum: 45077
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=67.6289
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b4−H2O
y4++
y3
b9++−NH3
y4
y4−H2O
y6
y7
y8
b15−NH3
b17++
b21++
y19++−NH3
y21++−H2O
y23++−H2O
b13−NH3

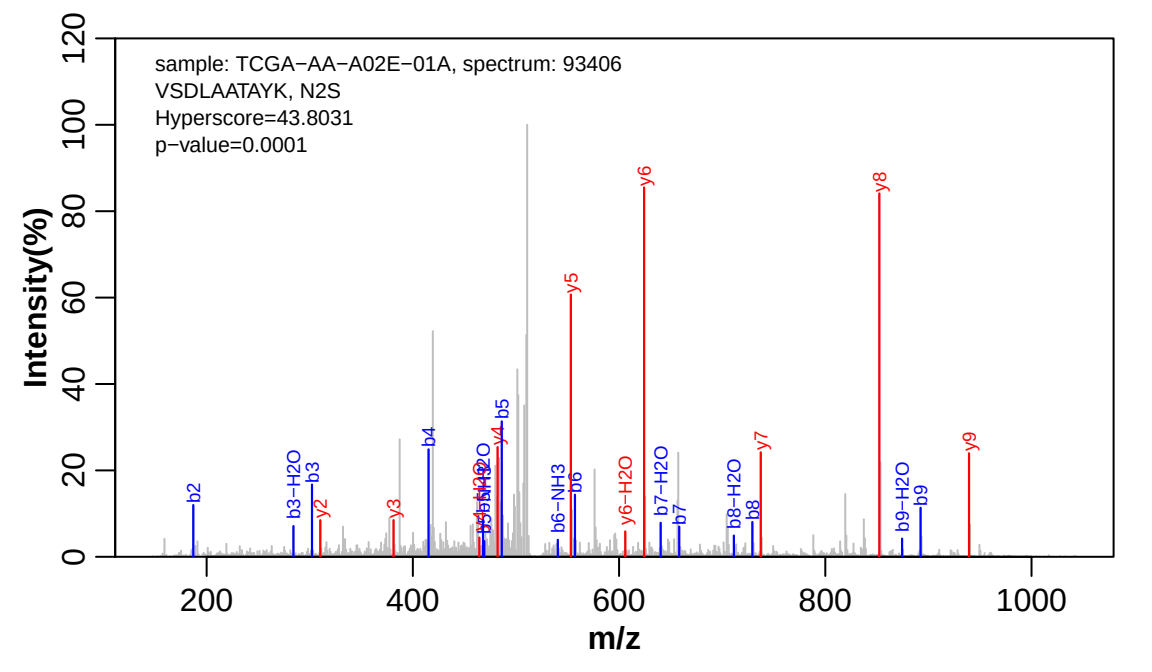

sample: TCGA−AA−A02E−01A, spectrum: 60391
TVEDLDGLLQQLYR, H10Q
Hyperscore=55.4399
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y2
y4
y3
y8
y9
y11
b4−H2O
b5−H2O
b6−H2O
b6
b8
b9−H2O
b9
b10−H2O
b11−NH3
b12
b13
y8−NH3
y9−NH3
y10−NH3
y5−H2O−NH3
y6−H2O
y6−NH3
y7−NH3

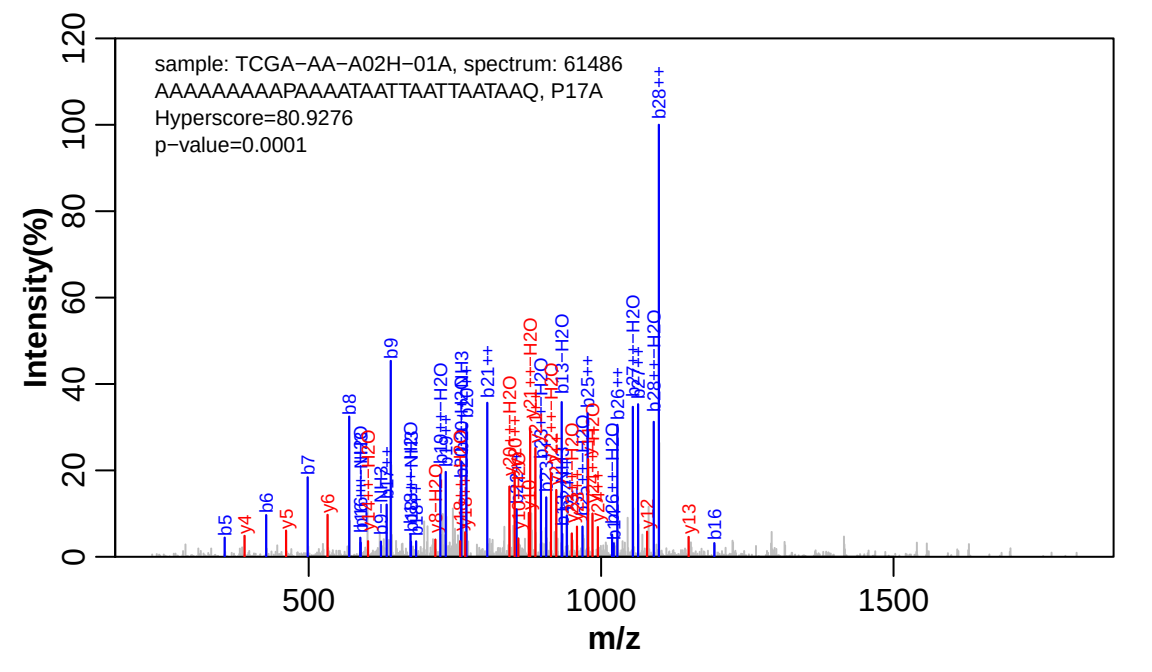

sample: TCGA−AA−A02E−01A, spectrum: 41891
VLTGTGNVNVLQPNYPAAAR, I10V
Hyperscore=48.0078
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y8++
b11++
b10
b8
y9-NH3
b11-NH3
b12
b12-NH3

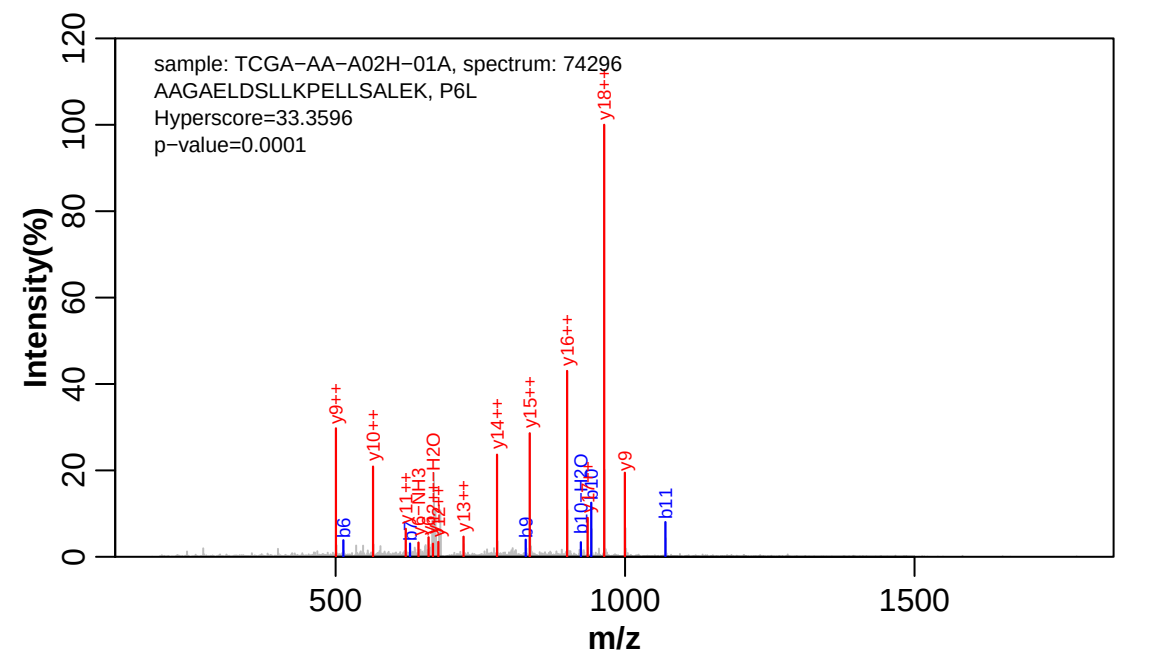

sample: TCGA−AA−A02E−01A, spectrum: 70268
VMQVVDEK, I1V
Hyperscore=29.3368
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2−H2O
y2
b3
y3
b4
y4
b5
y5
b6
y6−NH3
y6−H2O
y6
y7

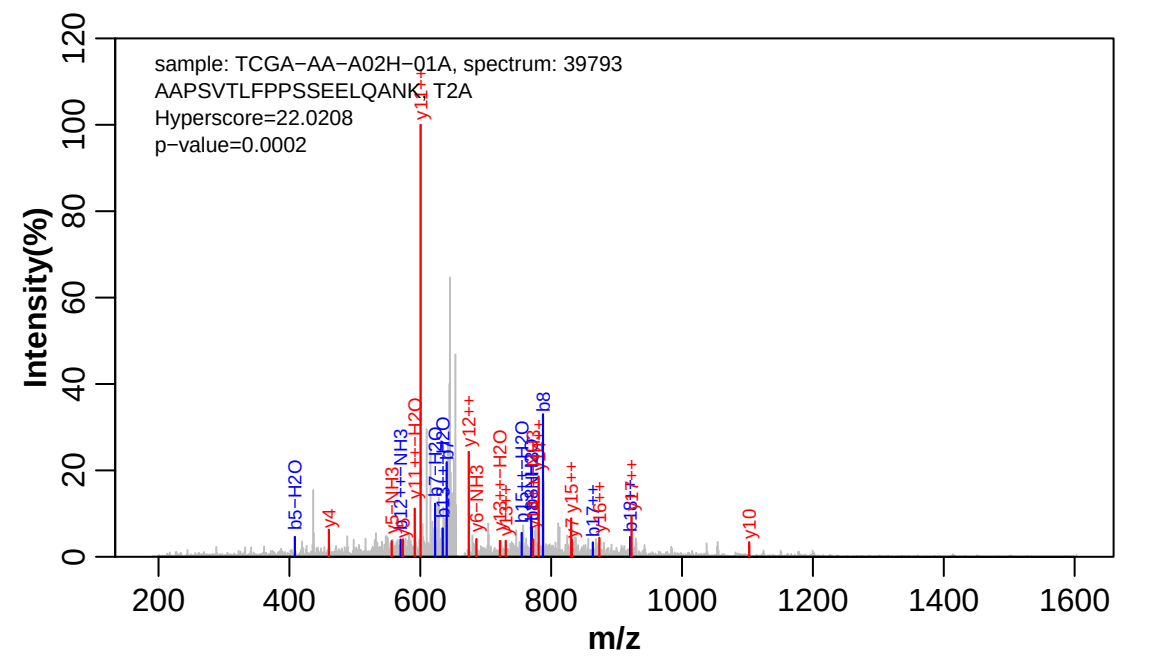

sample: TCGA−AA−A02E−01A, spectrum: 46063
VPVTQATR, L3V
Hyperscore=12.6408
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y4
y5
y6
y7

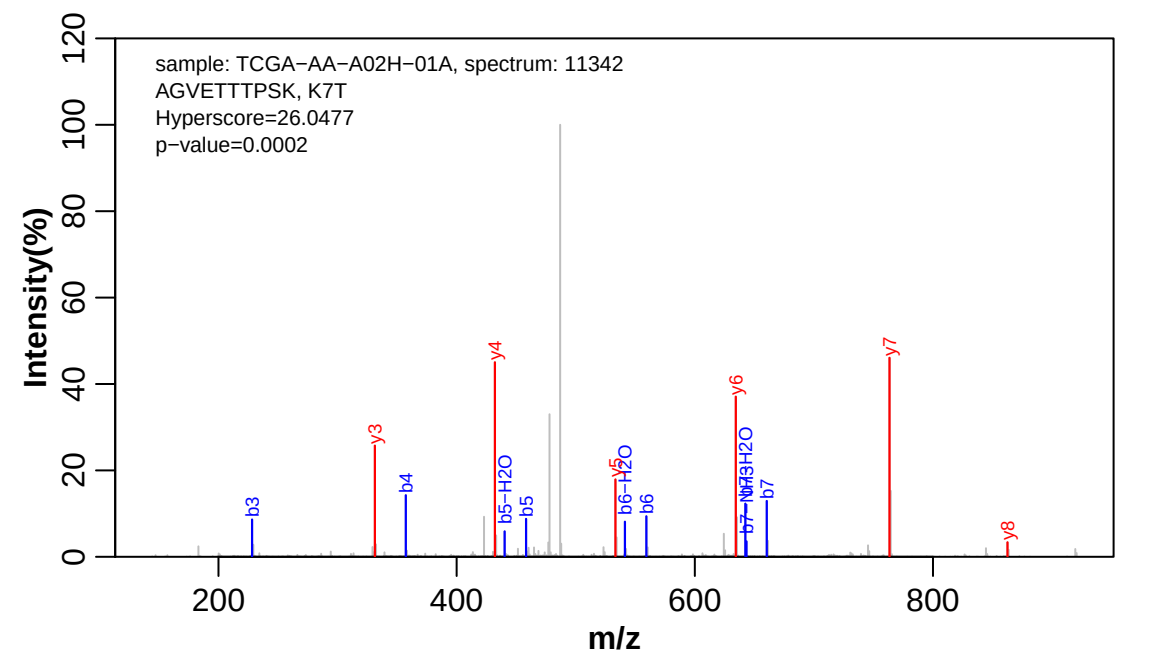

sample: TCGA−AA−A02E−01A, spectrum: 98435
VQVLAAQLLSEMK, D11E
Hyperscore=59.4106
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3−H2O
y3
b4
y4−H2O
b5−NH3
b5
b6−H2O
b6
y5
b7−H2O
b7−NH3
b8
y7−H2O
y7
y8−H2O
b9
b9−NH3
y9
b10
y10
b11−H2O
b11
y11−NH3
y11
b12

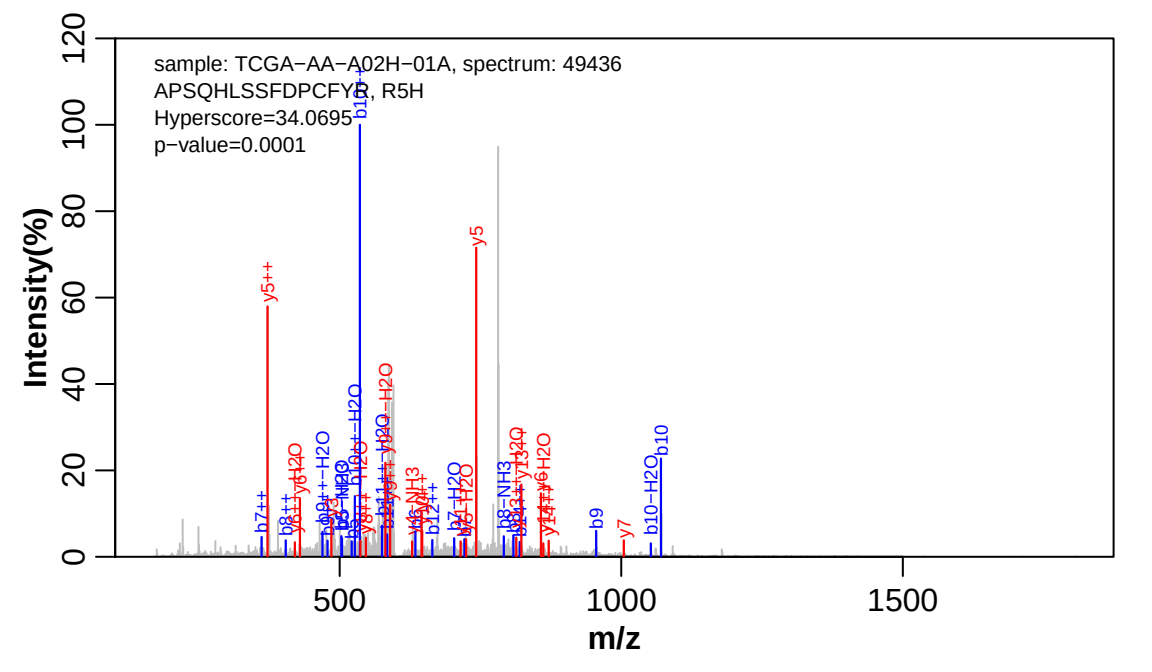

sample: TCGA−AA−A02E−01A, spectrum: 93406
VSDLAATAYK, N2S
Hyperscore=43.8031
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4
y4
b5
y5
b6−NH3
b6
y6−H2O
y6
b7−H2O
b7
b8−H2O
b8
y7
y8
b9−H2O
b9
y9

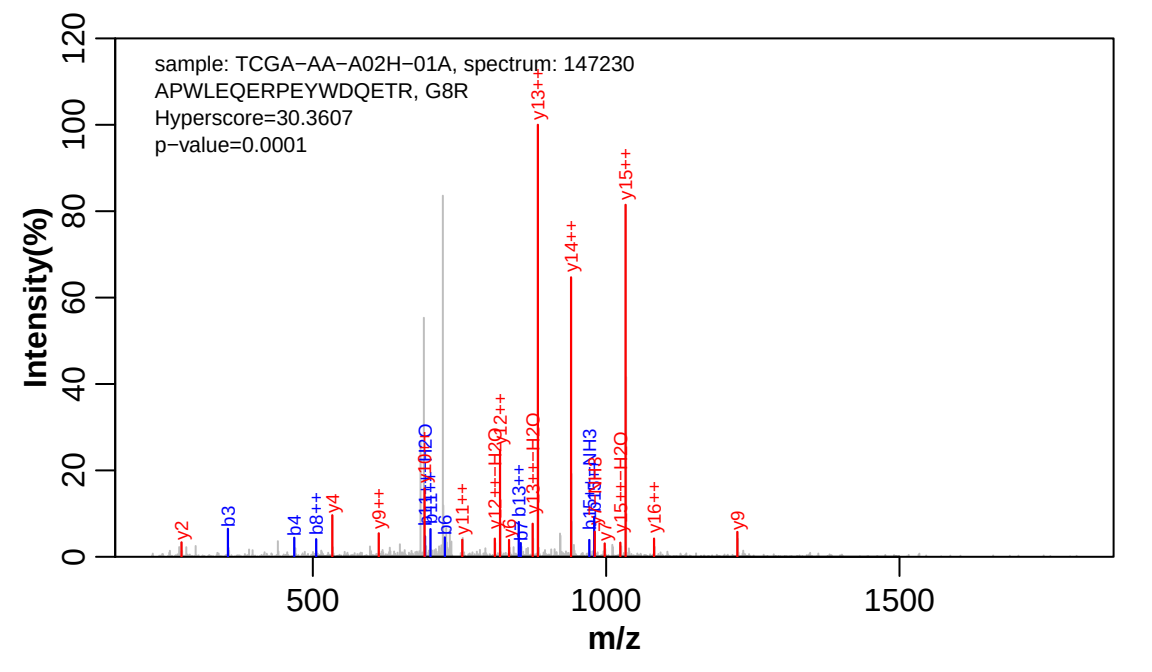

sample: TCGA−AA−A02H−01A, spectrum: 61486
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=80.9276
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5
y4
b6
y5
b7
y6
b8
b9
b21++
b28++
y12
y13
b16

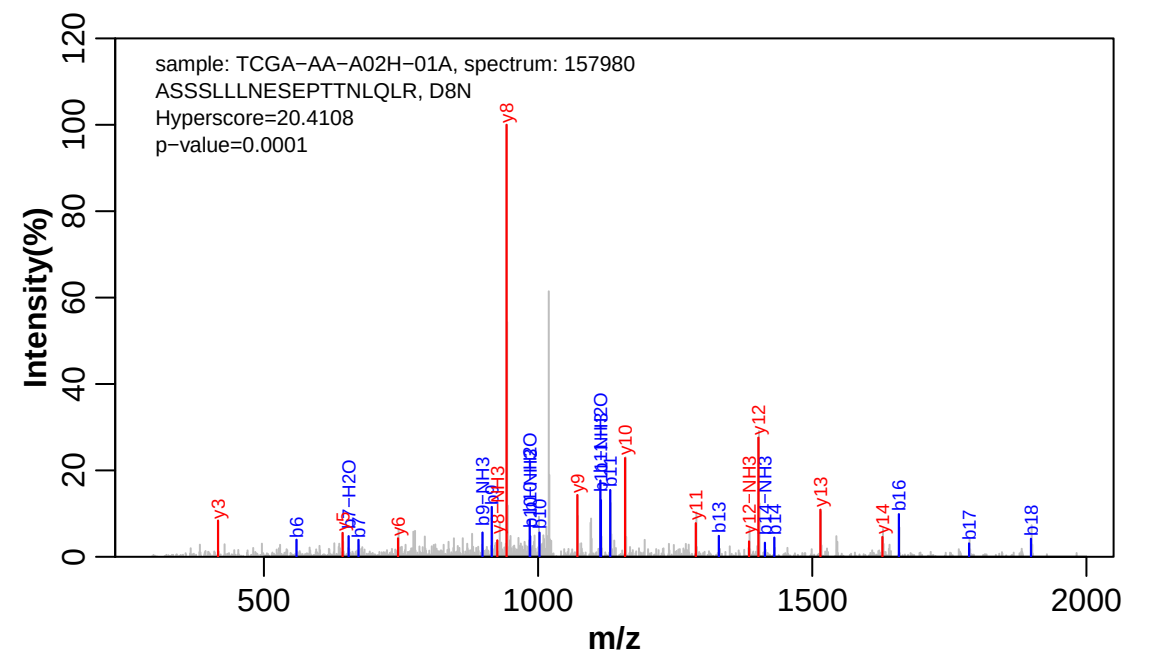

sample: TCGA−AA−A02H−01A, spectrum: 74296
AAGAELDSLLKPELLSALEK, P6L
Hyperscore=33.3596
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y18++
y16++
y15++
y14++
y10++
y9++
y13++
y9
b11
b10
b9
b6

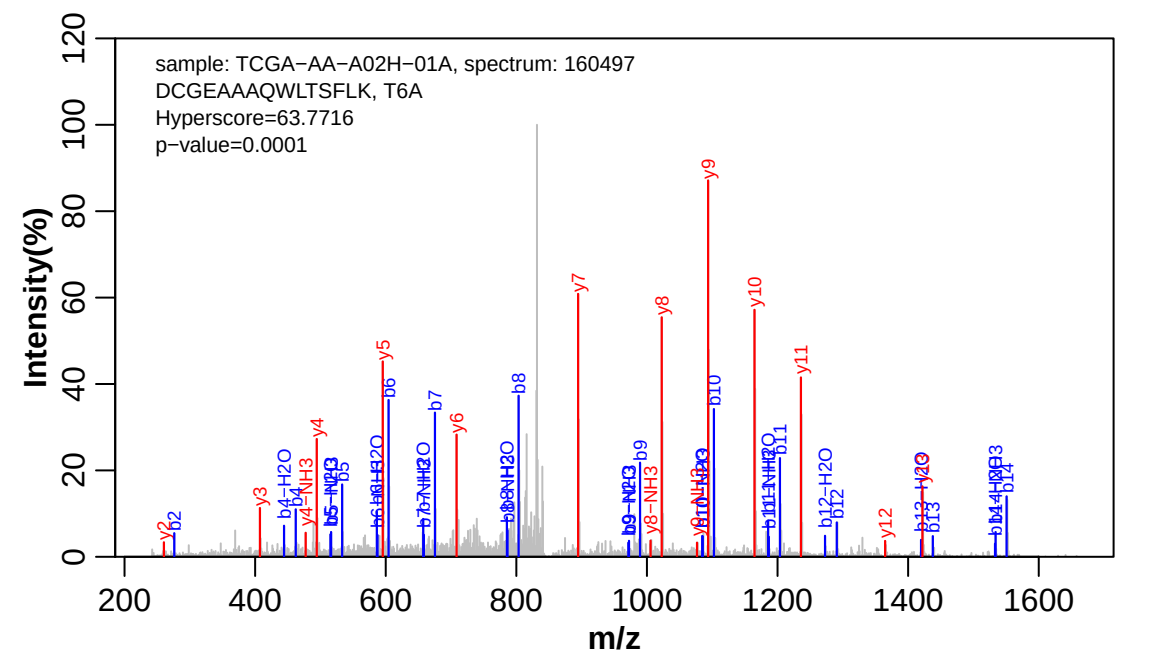

sample: TCGA−AA−A02H−01A, spectrum: 39793
AAPSVTLFPPSSEELQANK_T2A
Hyperscore=22.0208
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b5−H2O
y4
y5−NH3
y12++
y11++−H2O
y11++−NH3
b7−H2O
b7−NH3
y12++
y6−NH3
y13++−H2O
b8
y7
y15++
b16++
b18++
y10

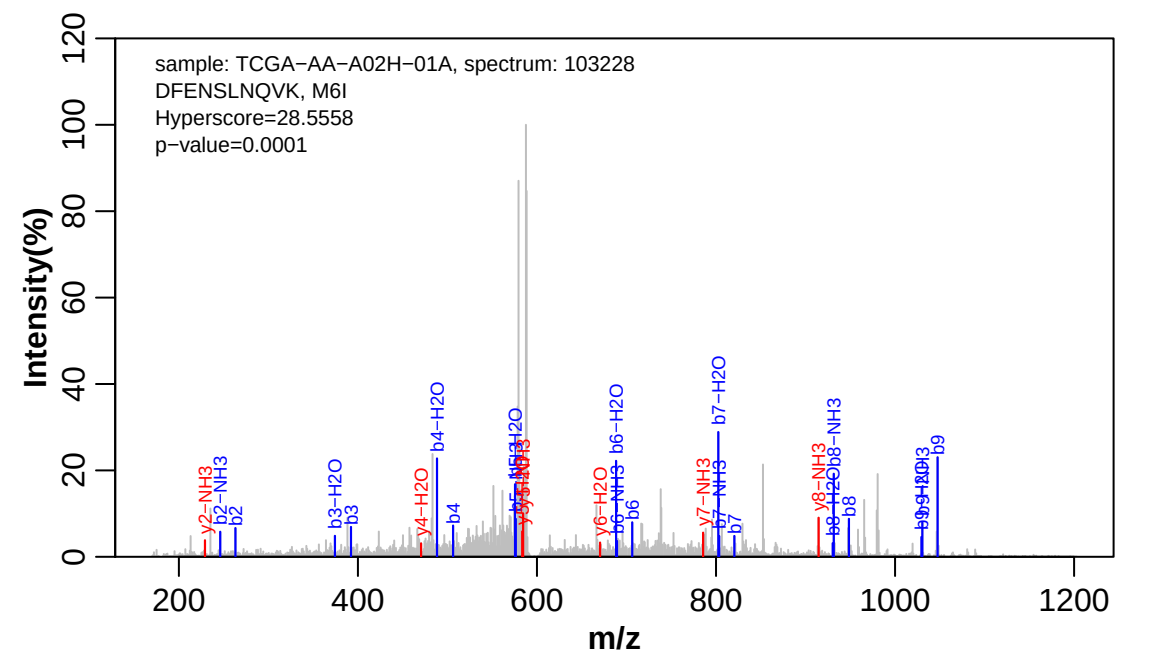

sample: TCGA−AA−A02H−01A, spectrum: 11342
AGVETTTPSK, K7T
Hyperscore=26.0477
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3H2O
b7
y7
y8

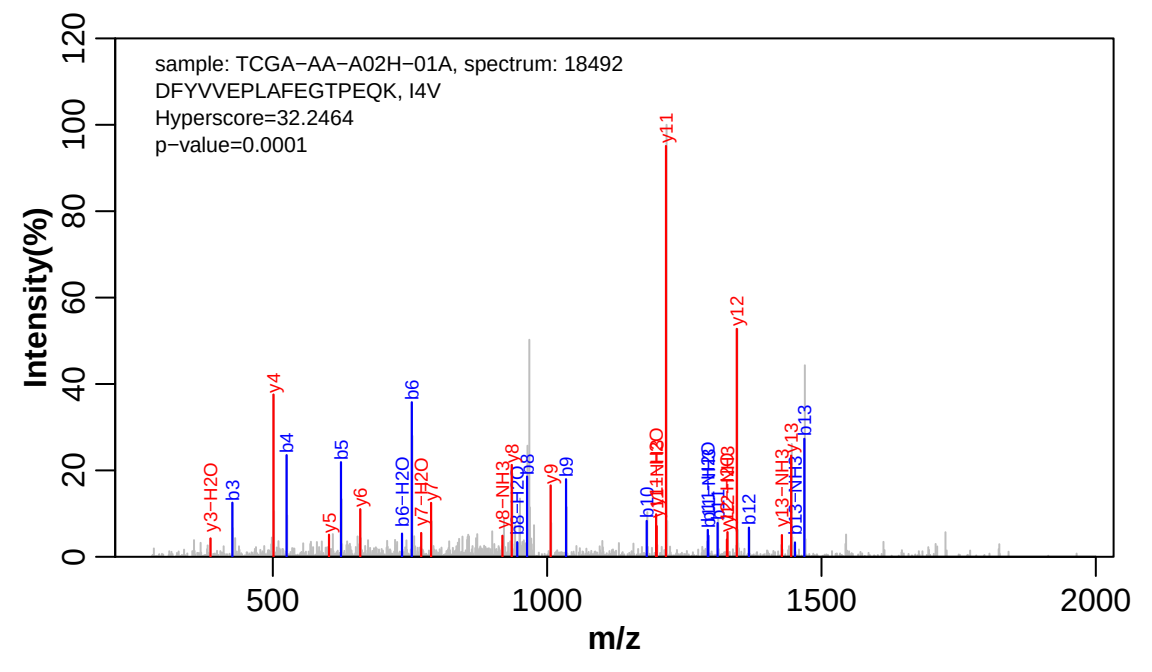

sample: TCGA−AA−A02H−01A, spectrum: 49436
APSQHLSSFDPCFYR, R5H
Hyperscore=34.0695
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5++
y5
b10++
b10
b7++
b8++
y6++
y6+
b9
y7
b10−H2O

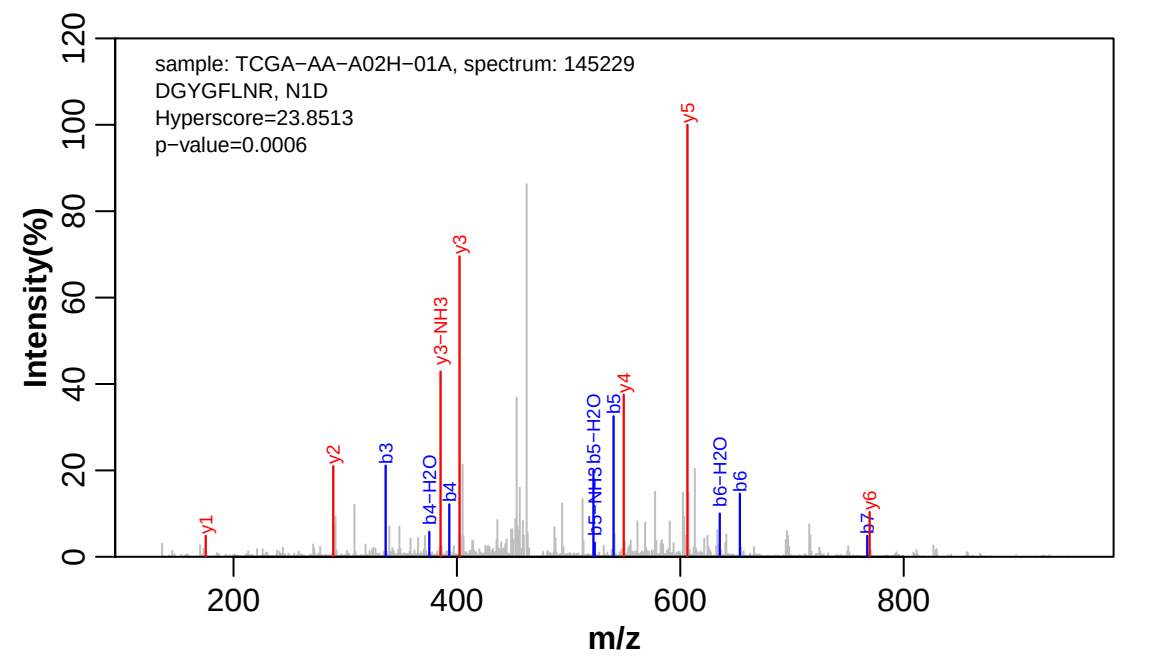

sample: TCGA−AA−A02H−01A, spectrum: 147230
APWLEQERPEYWDQETR, G8R
Hyperscore=30.3607
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b3
b4
b8++
y4
y9++
b11++−H2O
b11++
b6
y11++
y12++−H3O
y12++
y6
b7
b13++
y13++−H2O
y13++
b15++−NH3
y7
y15++−H2O
y15++
y14++
y16++
y9

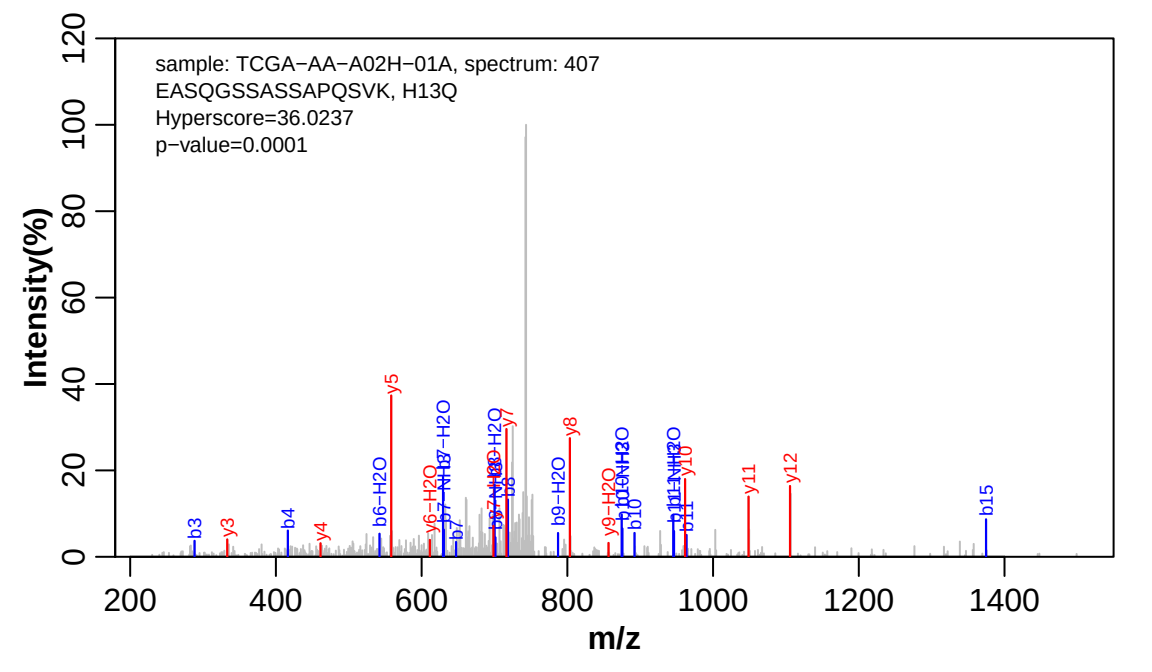

sample: TCGA−AA−A02H−01A, spectrum: 157980
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=20.4108
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
b6
y5−H2O
b7
y6
b9−NH3
y8−NH3
y8
b10−NH3
b10−H2O
b10
y9
b11−NH3
b11−H2O
y10
y11
b13
y12−NH3
y12
b14−NH3
b14
y13
y14
b16
b17
b18

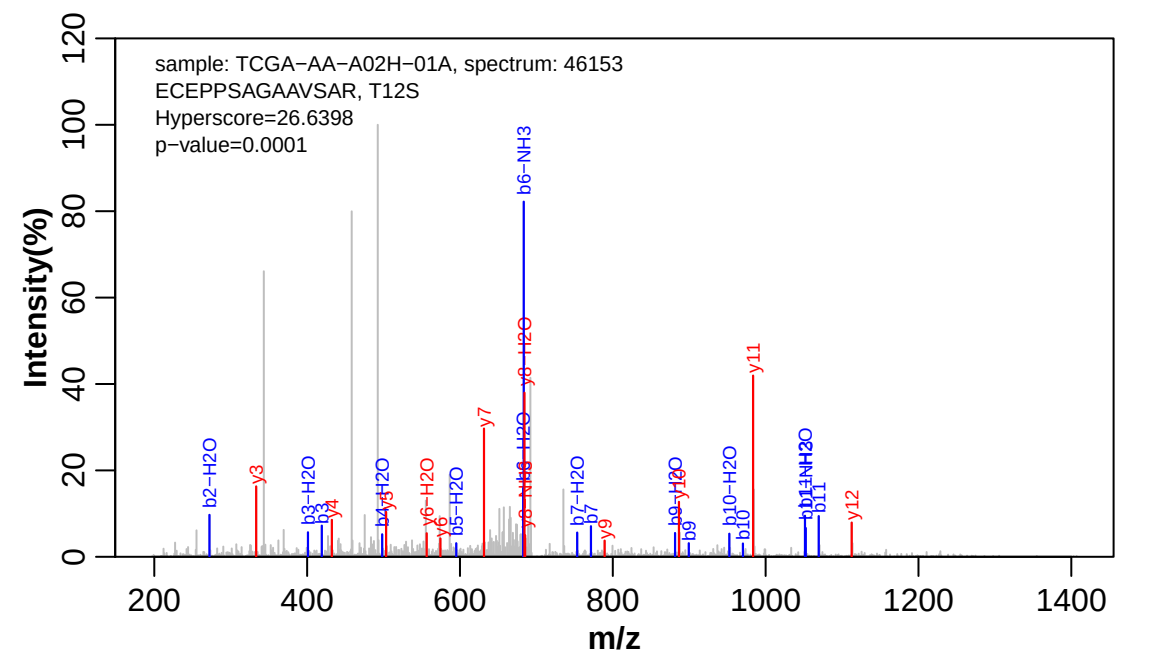

sample: TCGA−AA−A02H−01A, spectrum: 160497
DCGEAAAQWLTSFLK, T6A
Hyperscore=63.7716
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b2
y3
b4−H2O
b4
y4−NH3
y4
b5−NH3
b5
b6−NH3
b6−H2O
y5
b6
b7−NH3
b7−H2O
b7
y6
b8−NH3
b8−H2O
b8
y7
b9−NH3
b9
y8−NH3
y8
y9
b10
y10
b11−NH3
b11−H2O
b11
y11
b12−H2O
b12
y12
b13−H2O
b13
b14−H2O
b14

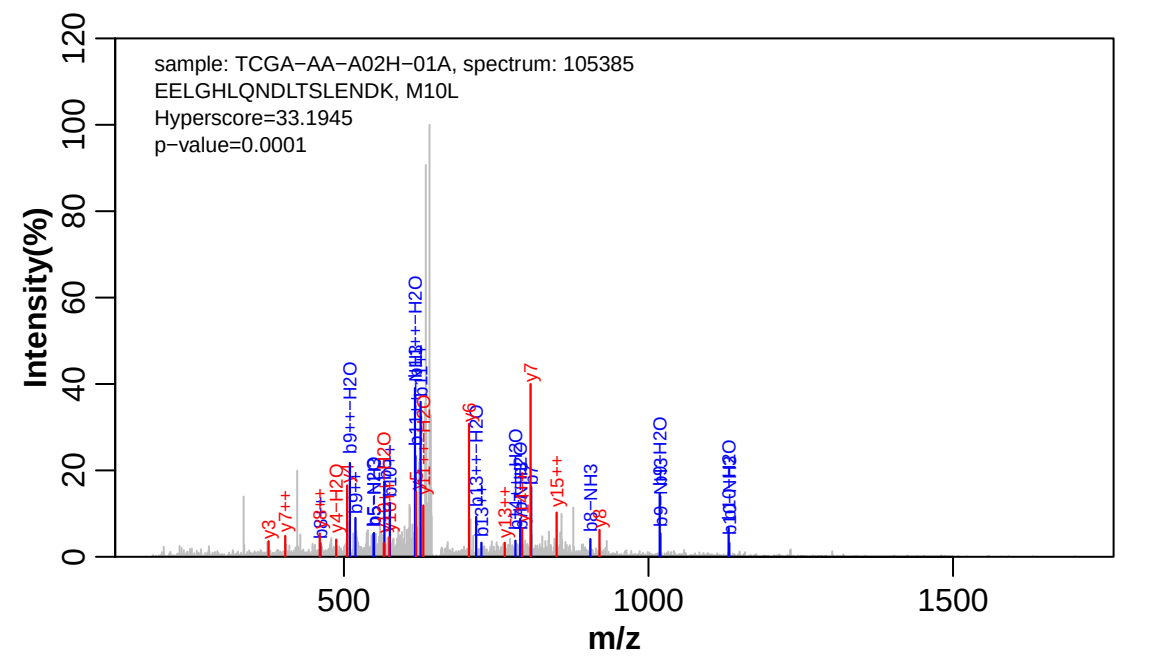

sample: TCGA−AA−A02H−01A, spectrum: 103228
DFENSLNQVK, M6I
Hyperscore=28.5558
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2−NH3
b2−NH3
b2
b3−H2O
b3
y4−H2O
b4−H2O
b4
b5−H2O
b6−H2O
y6−H2O
b6−NH3
b6
y7−NH3
b7−H2O
b7−NH3
b7
y8−NH3
b8−H2O
b8−NH3
b8
b9
b9−NH3

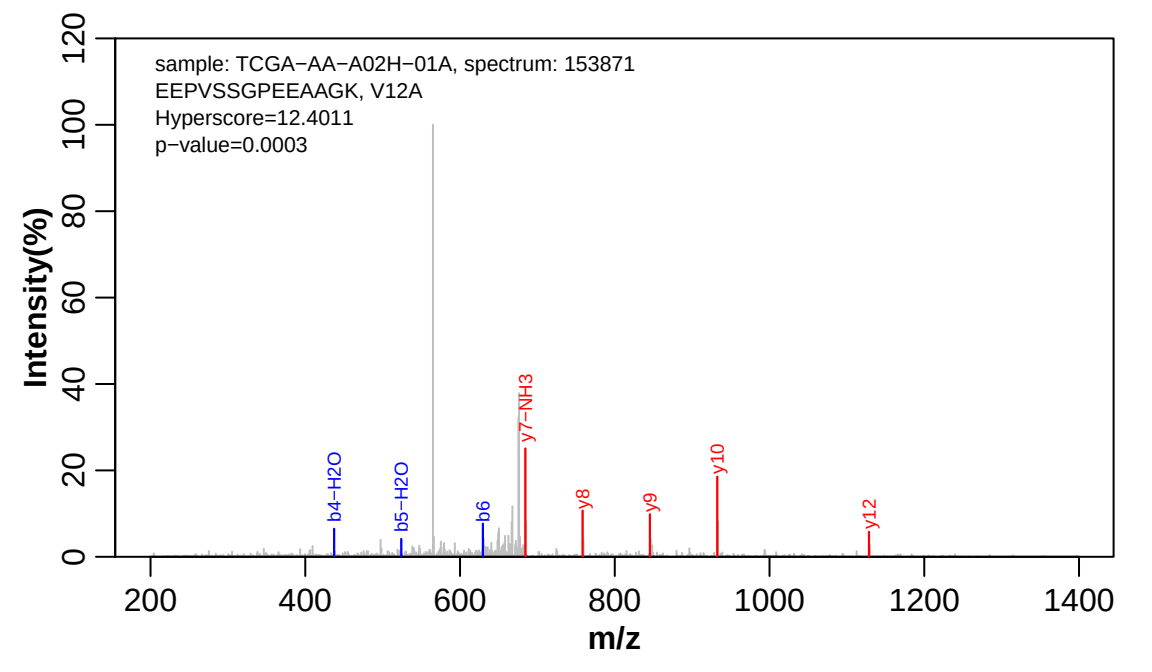

sample: TCGA−AA−A02H−01A, spectrum: 18492
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=32.2464
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y11
y12
y4
b4
b5
b6
b6−H2O
y3−H2O
b3
y5
y6
y7−H2O
y8−NH3
b8−H2O
b8
y8
y9
b9
b10
b12
b13
y13−NH3
y13

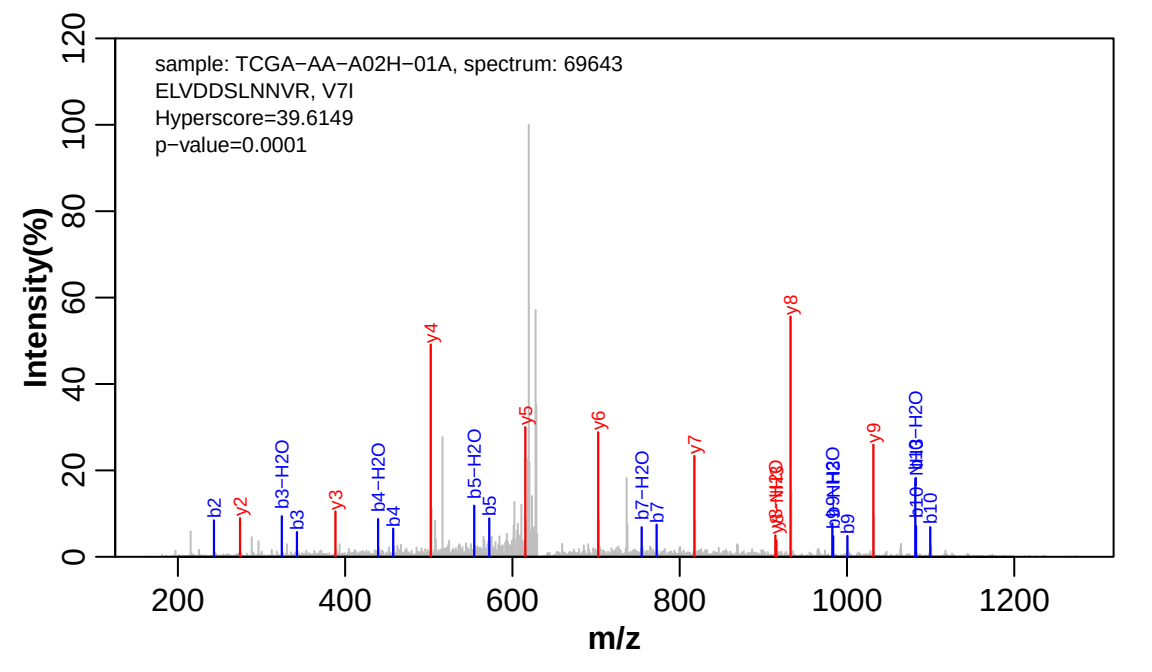

sample: TCGA−AA−A02H−01A, spectrum: 145229
DGYGFLNR, N1D
Hyperscore=23.8513
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

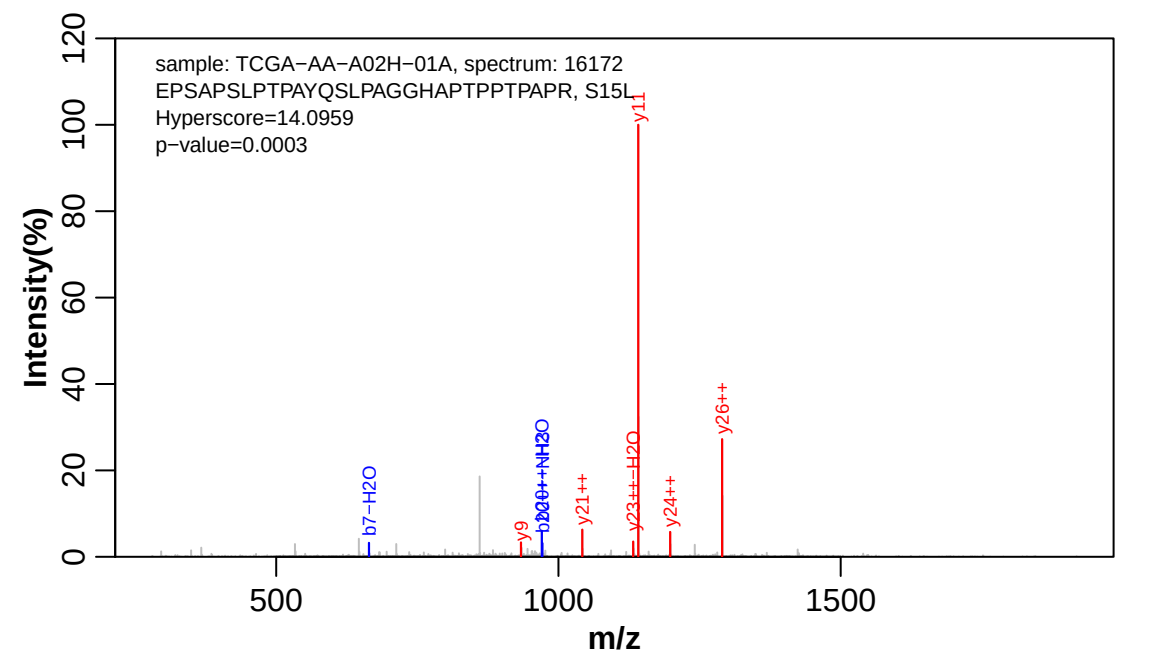

sample: TCGA−AA−A02H−01A, spectrum: 407
EASQGSSASSAPQSVK, H13Q
Hyperscore=36.0237
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4
y4
b6−H2O
y5
y6−H2O
b7−NH3
b7−H2O
b7
b8−NH3
b8−H2O
y7
b8
b9−H2O
y8
y9−H2O
b10−NH3
b10−H2O
b10
b11−NH3
b11−H2O
b11
y10
y11
y12
b15

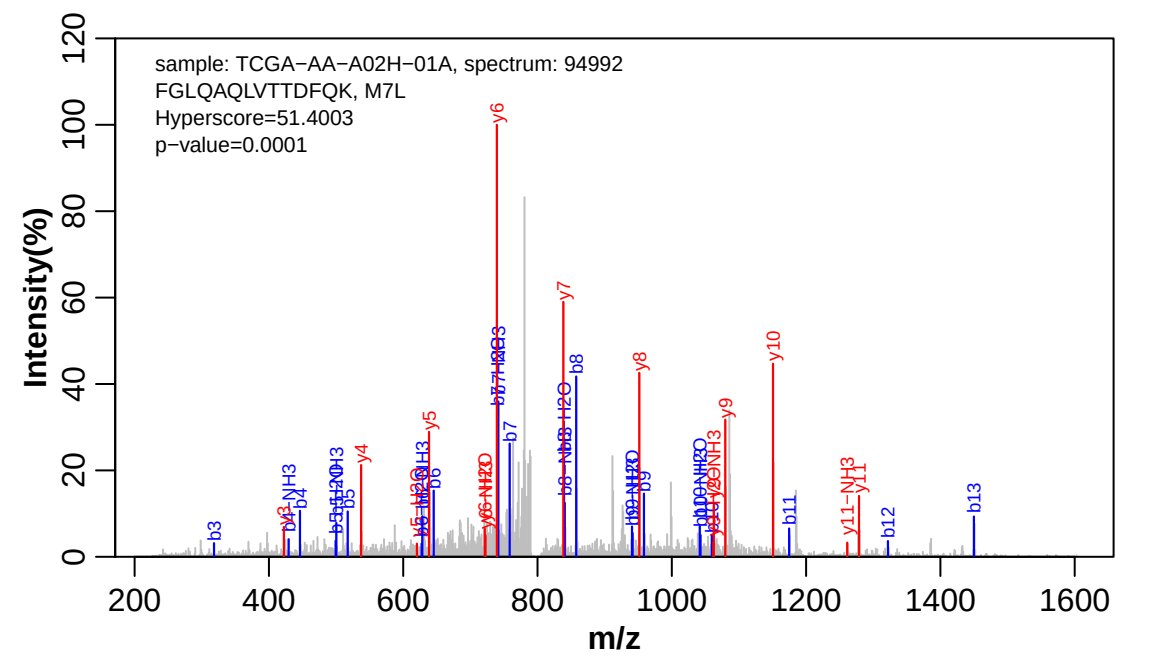

sample: TCGA−AA−A02H−01A, spectrum: 46153
ECEPPSAGAAVSAR, T12S
Hyperscore=26.6398
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
y3
b3−H2O
b3
y4
b4−H2O
y5
y6−H2O
y6
b5−H2O
b6−NH3
y7
y8−NH3−H2O
y8−H2O
b7−H2O
b7
y9
b9−H2O
b9
y10
b10−H2O
b10
y11
b11−NH3
b11−H2O
b11
y12

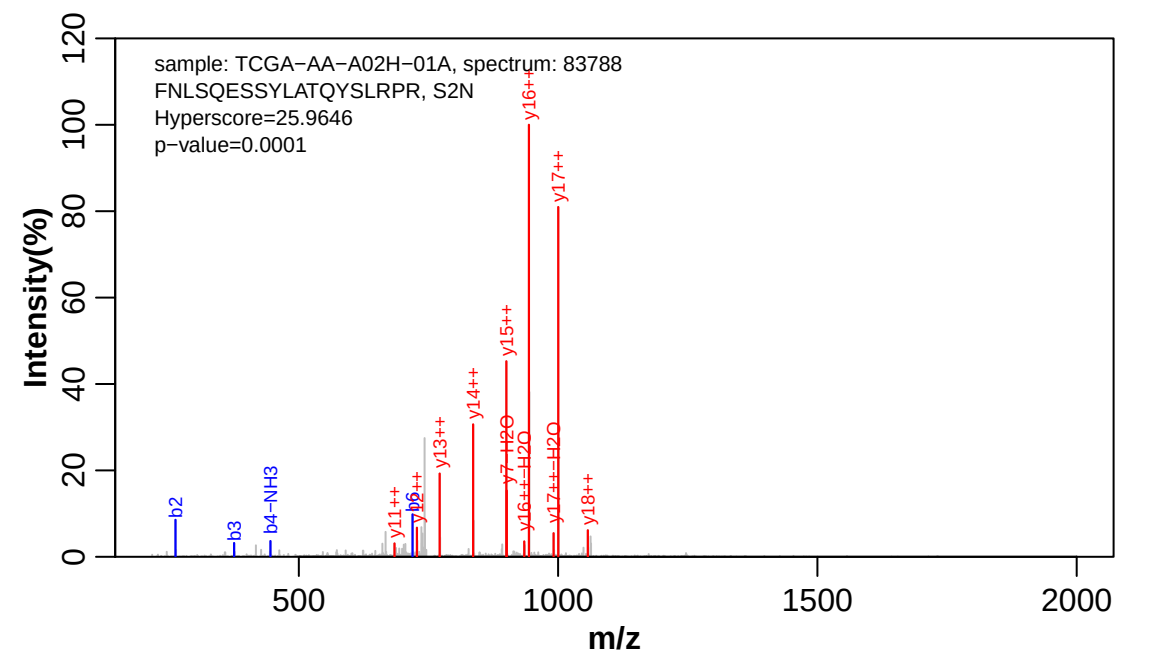

sample: TCGA−AA−A02H−01A, spectrum: 105385
EELGHLQNDLTSLENDK, M10L
Hyperscore=33.1945
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y7++
b3++
y4−H2O
b9++
b9++−H2O
b5−NH3
y5
y11++−H2O
y6
b13++−H2O
y13++
y7
y15++
b8−NH3
y8
b9−NH3−H2O
b10−NH3−H2O

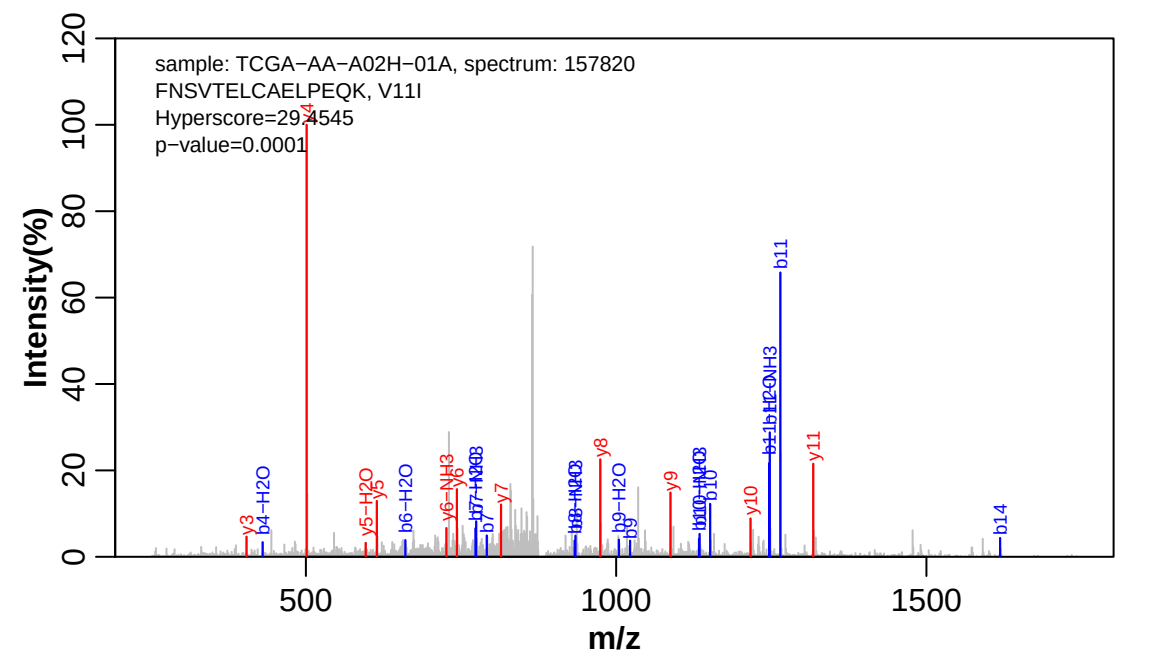

sample: TCGA−AA−A02H−01A, spectrum: 153871
EEPVSSGPEEAAGK, V12A
Hyperscore=12.4011
p−value=0.0003
b4−H2O
b5−H2O
b6
y7−NH3
y8
y9
y10
y12
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

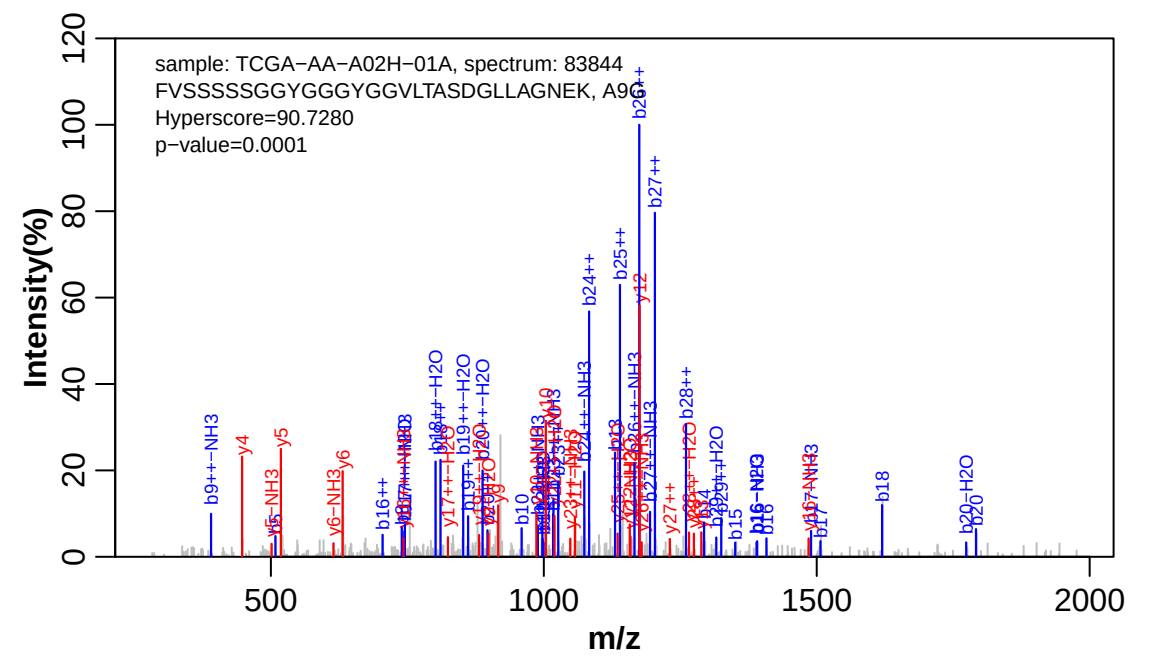

sample: TCGA−AA−A02H−01A, spectrum: 69643
ELVDDSLNNVR, V7I
Hyperscore=39.6149
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
b5−H2O
b5
y4
y5
y6
b7−H2O
b7
y7
y8
y9
b10−H2O
b10

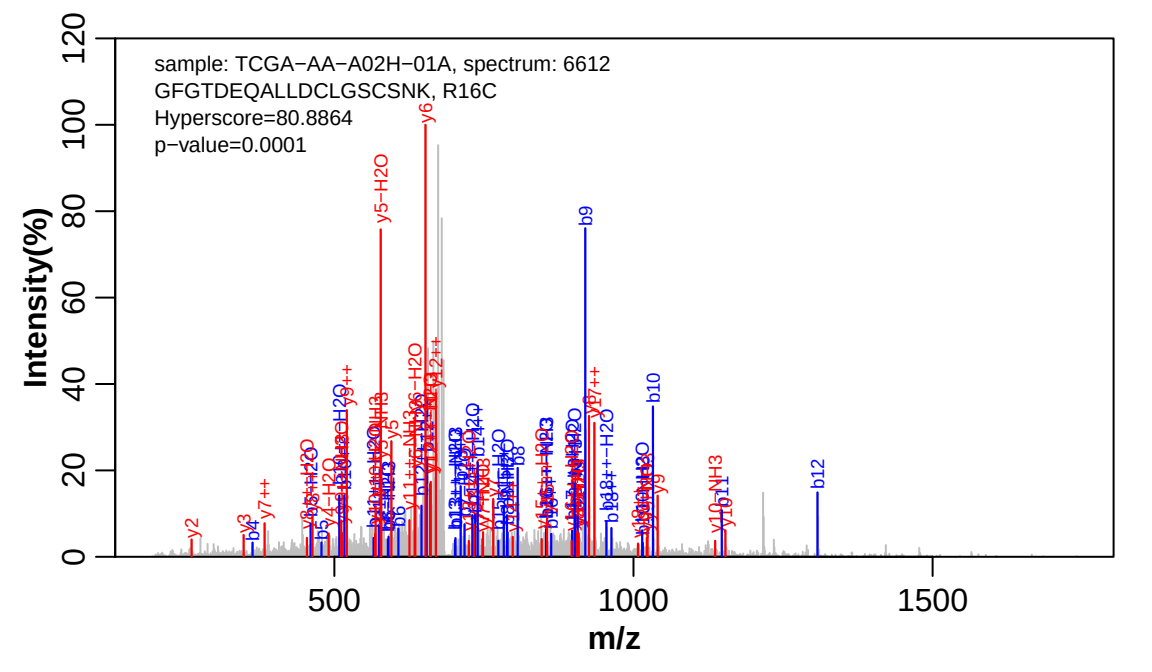

sample: TCGA−AA−A02H−01A, spectrum: 16172
EPSAPSLPTPAYQSLPAGGHAPTPPTPAPR, S15L
Hyperscore=14.0959
p−value=0.0003
Intensity(%)
m/z
y11
y26++
y23++−H2O
y24++
y21++
y9
b7−H2O

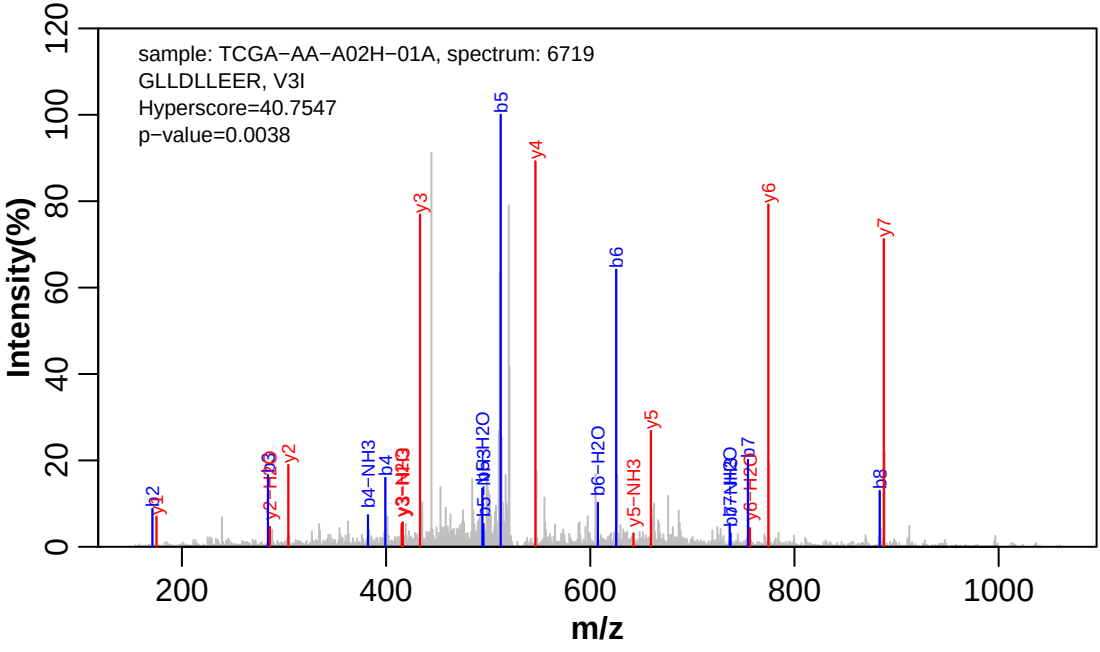

sample: TCGA−AA−A02H−01A, spectrum: 94992
FGLQAQLVTTDFQK, M7L
Hyperscore=51.4003
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y8
y10
y9
y5
y4
b7
b8
b11
b13
b12
b3
b4
b5
b6
b9
y11
y11−NH3

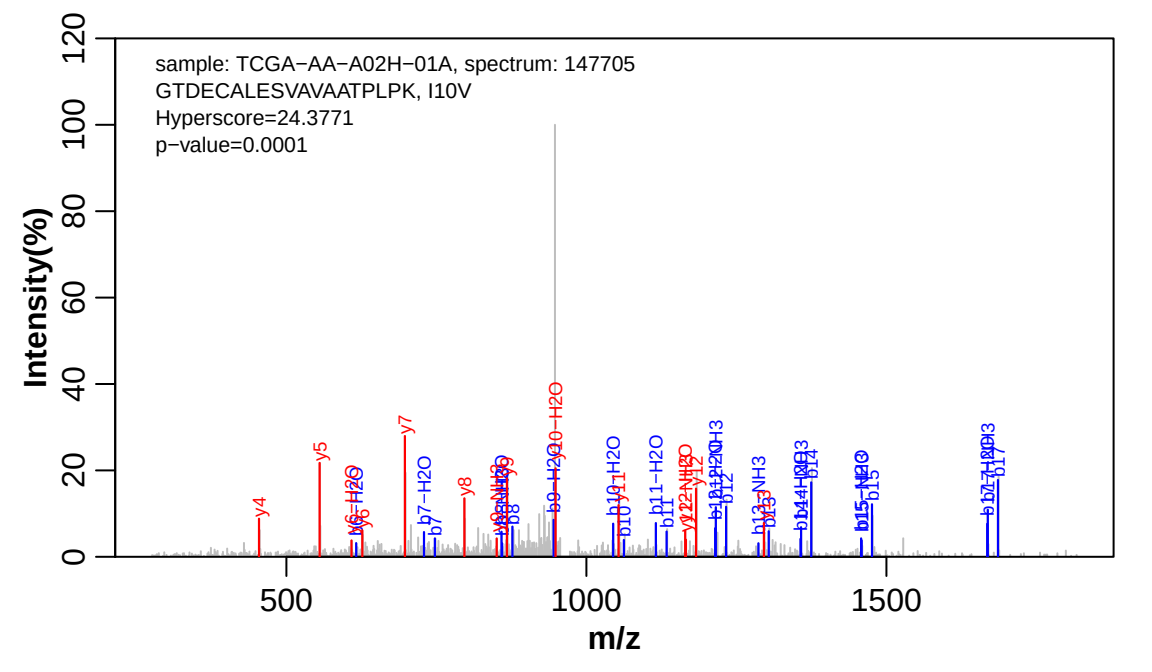

sample: TCGA−AA−A02H−01A, spectrum: 83788
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=25.9646
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b2
b3
b4−NH3
y11++
y6++
y12++
y13++
y14++
y7−H2O
y15++
y16++−H2O
y17++−H2O
y16++
y17++
y18++

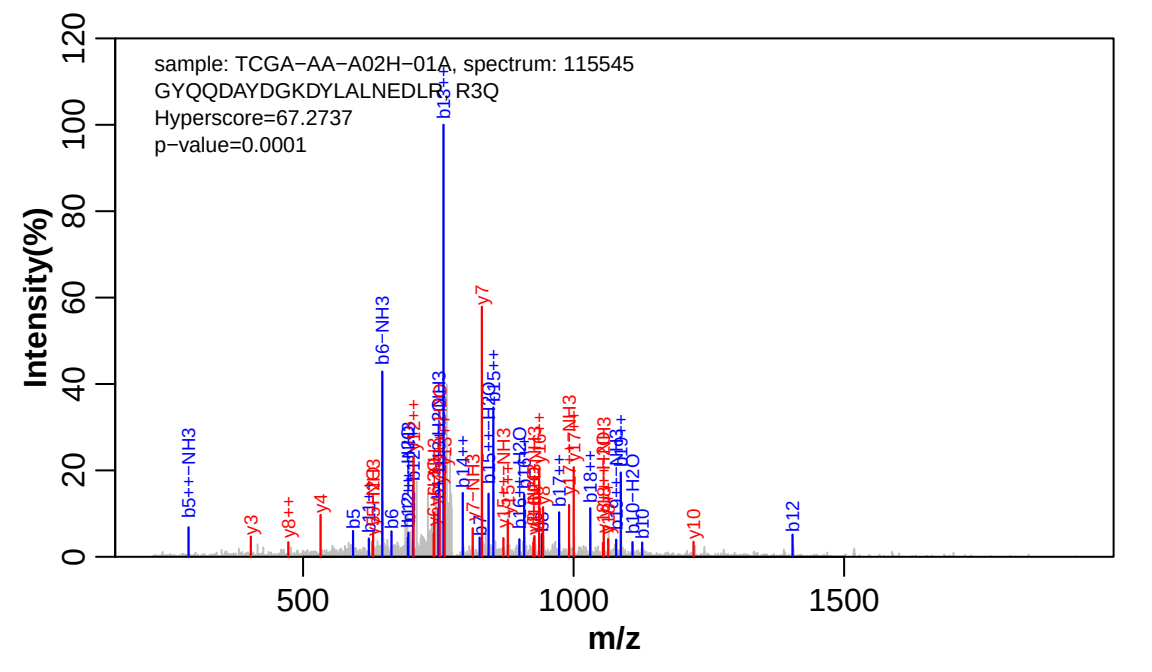

sample: TCGA−AA−A02H−01A, spectrum: 157820
FNSVTELCAELPEQK, V11I
Hyperscore=29.4545
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y3
b4−H2O
y5−H2O
y5
b6−H2O
y6−NH3
y6
y7
y8
b9−H2O
y9
y10
b11
y11
b14

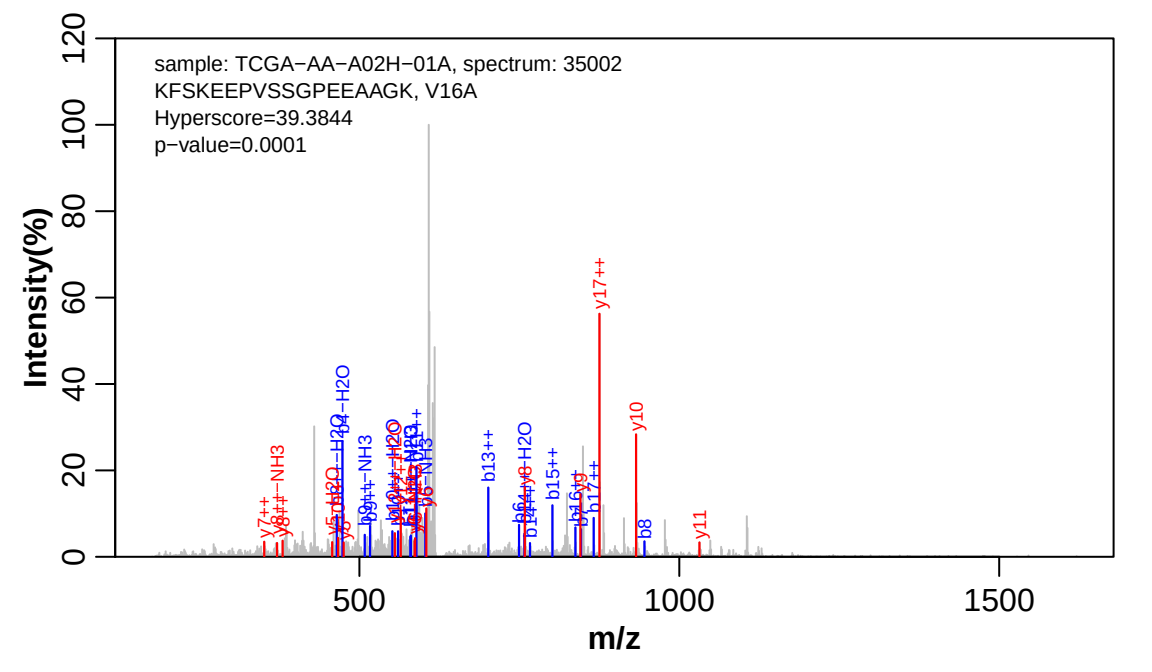

sample: TCGA−AA−A02H−01A, spectrum: 83844
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=90.7280
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y5−NH3
y6−NH3
y6
b16++
b18++−H2O
b19++−H2O
b20++−H2O
b10
y17++−H2O
y11++−NH3
b24++
b25++
b26++
y12
b27++
b28++
y27++
b15
b18
b20−H2O
b20

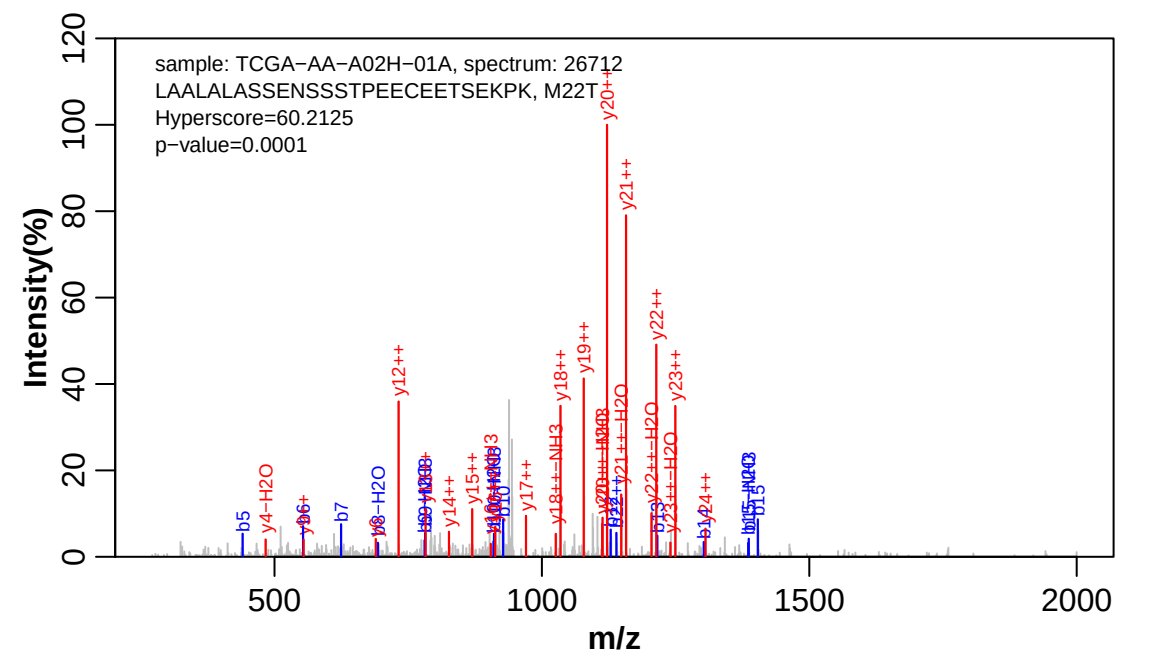

sample: TCGA−AA−A02H−01A, spectrum: 6612
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=80.8864
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y2
y3
y7++
y10−NH3
y11
y9
y8++
y6++
y5
b8
b6
b5
b4
y7++−H2O

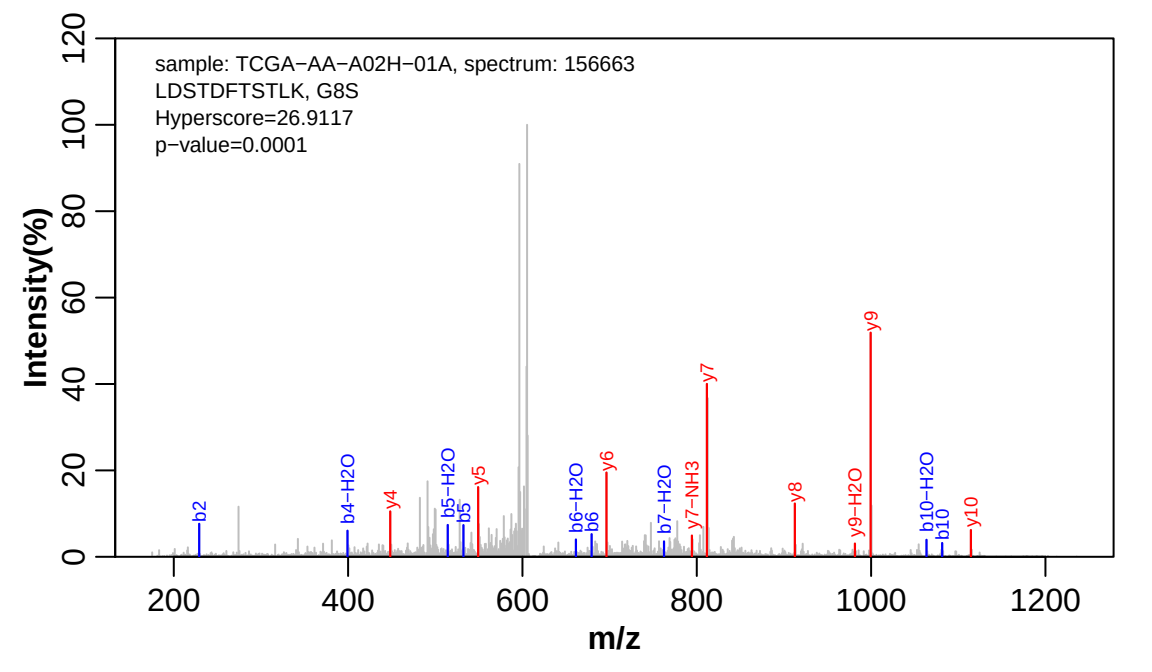

sample: TCGA−AA−A02H−01A, spectrum: 6719
GLLDLLEER, V3I
Hyperscore=40.7547
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b5
y4
y3
y6
y7
b6
y5
b8
b4−NH3
b4
y2
y2−NH3
y2−H2O
y3−NH3
y3−H2O
b5−NH3
b5−H2O
b6−H2O
y5−NH3
b7−NH3
b7−H2O
y6−H2O
b7
y1
b2

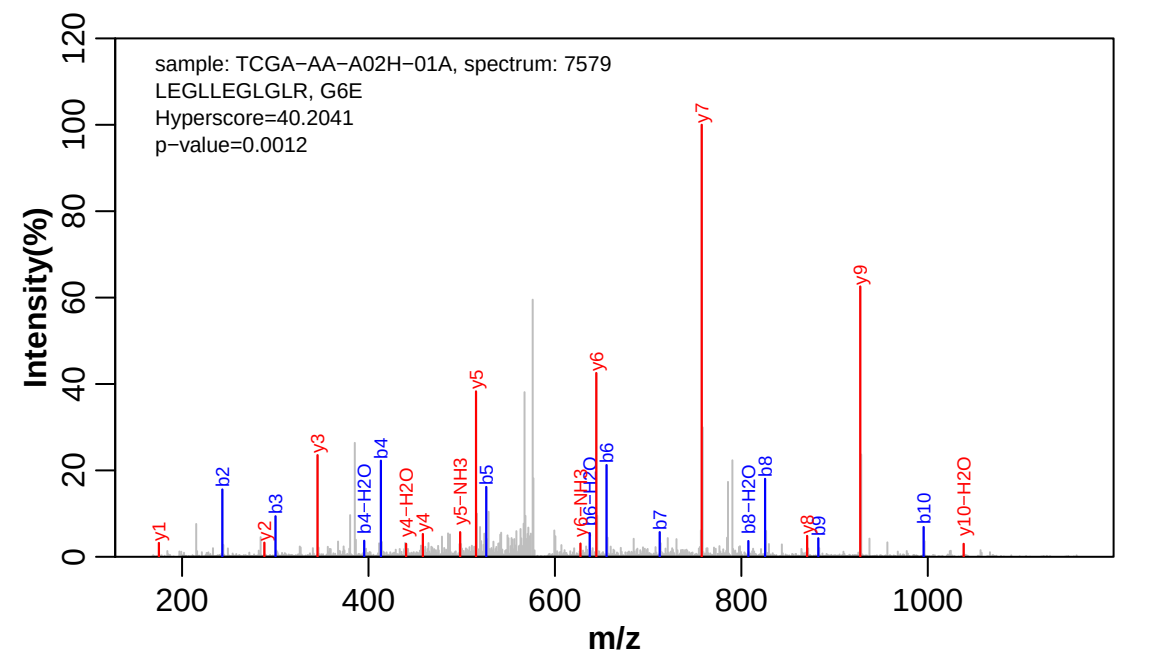

sample: TCGA−AA−A02H−01A, spectrum: 147705
GTDECALESVAVAATPLPK, I10V
Hyperscore=24.3771
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y7
y8
b7−H2O
b9−H2O
b9−H2O−H2O
b10−H2O
b10
y11
b11−H2O
b12
b13−NH3
b13
b14
b15
b17

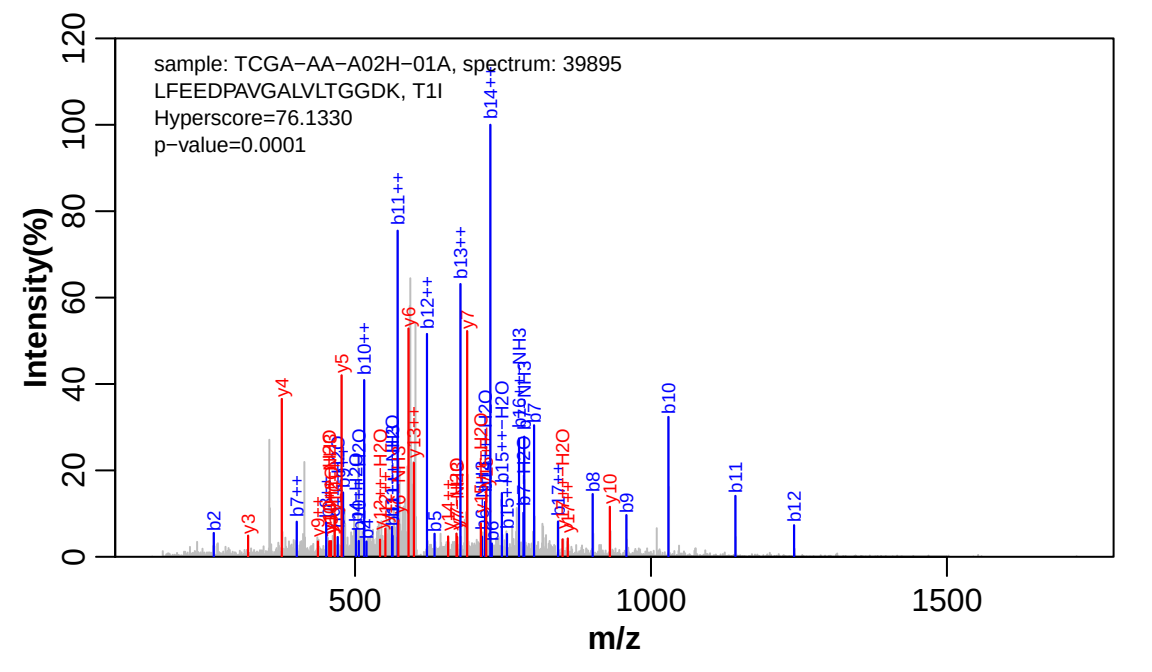

sample: TCGA−AA−A02H−01A, spectrum: 115545
GYQQDAYDGKDYLALNEDLRS R3Q
Hyperscore=67.2737
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b13++
y7
b6−NH3
b5++−NH3
y3
y8++
y4
b5
b6
b12
y10
b10−H2O
y17++
y17++−NH3
b18++
b17++
y15++−NH3
b15++−H2O
b7−NH3
b14++

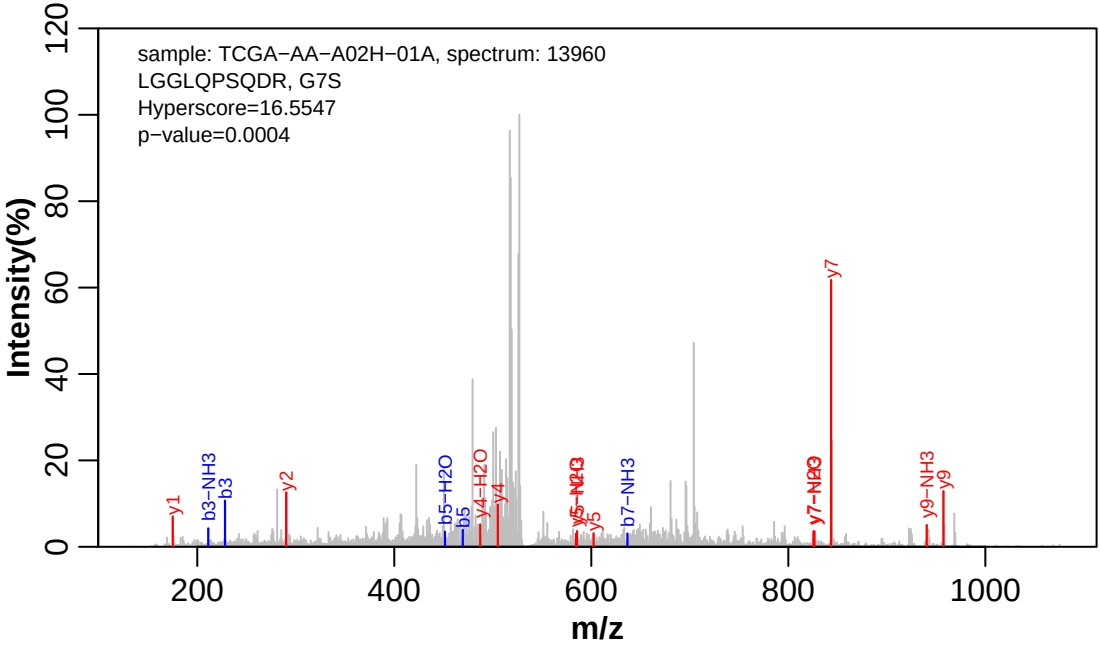

sample: TCGA−AA−A02H−01A, spectrum: 35002
KFSKEEPVSSGPEEAAGK, V16A
Hyperscore=39.3844
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7++
y8++−NH3
b9++−NH3
b13++
b15++
y17++
y10
y11
b8

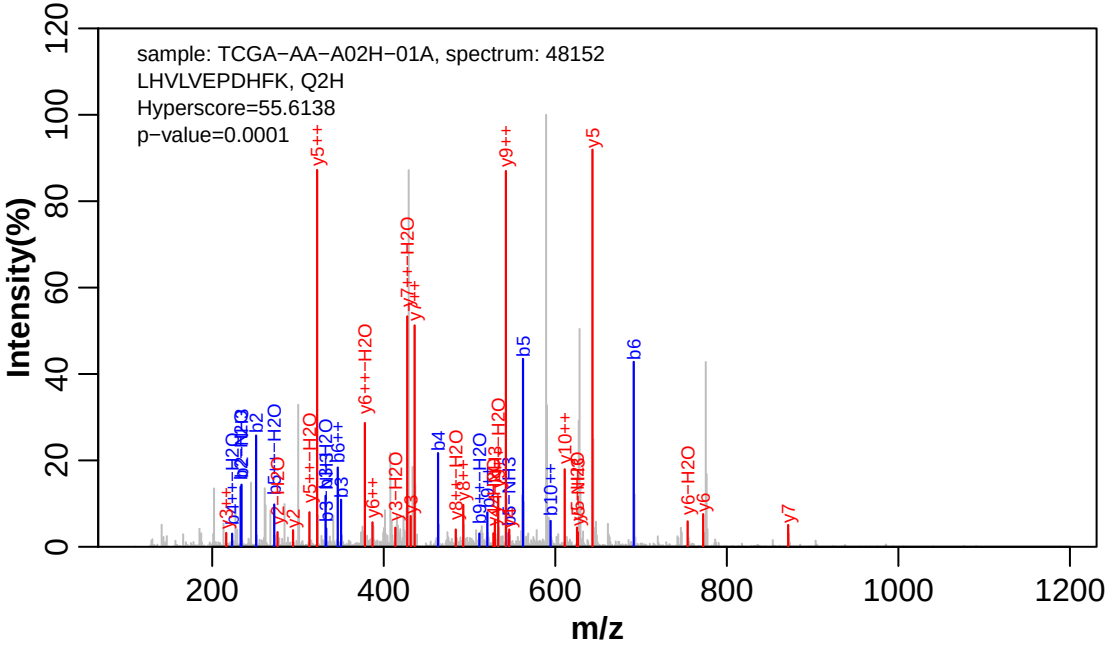

sample: TCGA−AA−A02H−01A, spectrum: 26712
LAALALASSENSSSTPEECEETSEKPK, M22T
Hyperscore=60.2125
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y20++
y21++
y12++
y22++
y18++
y19++
y23++
y17++
y14++
y15++
y18++−NH3
y21++−H2O
y22++−H2O
y23++−H2O
y4−H2O
y8−H2O
b5
b7
b14++

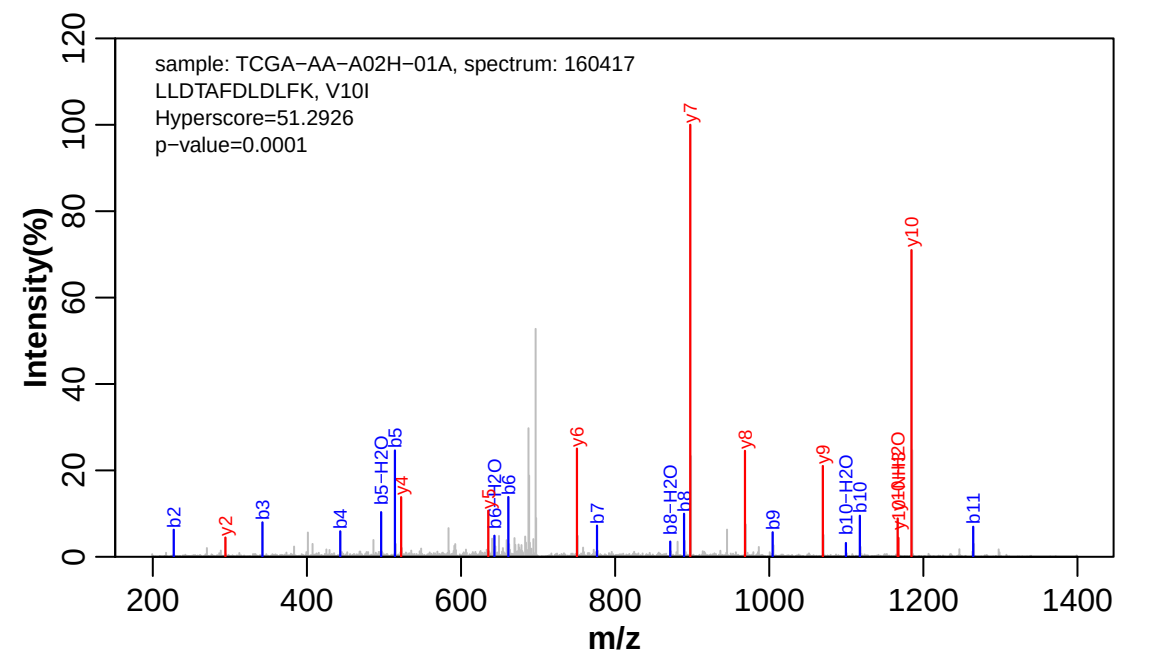

sample: TCGA−AA−A02H−01A, spectrum: 156663
LDSTDFTSTLK, G8S
Hyperscore=26.9117
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
y7−NH3
y7
y8
y9−H2O
y9
b10−H2O
b10
y10

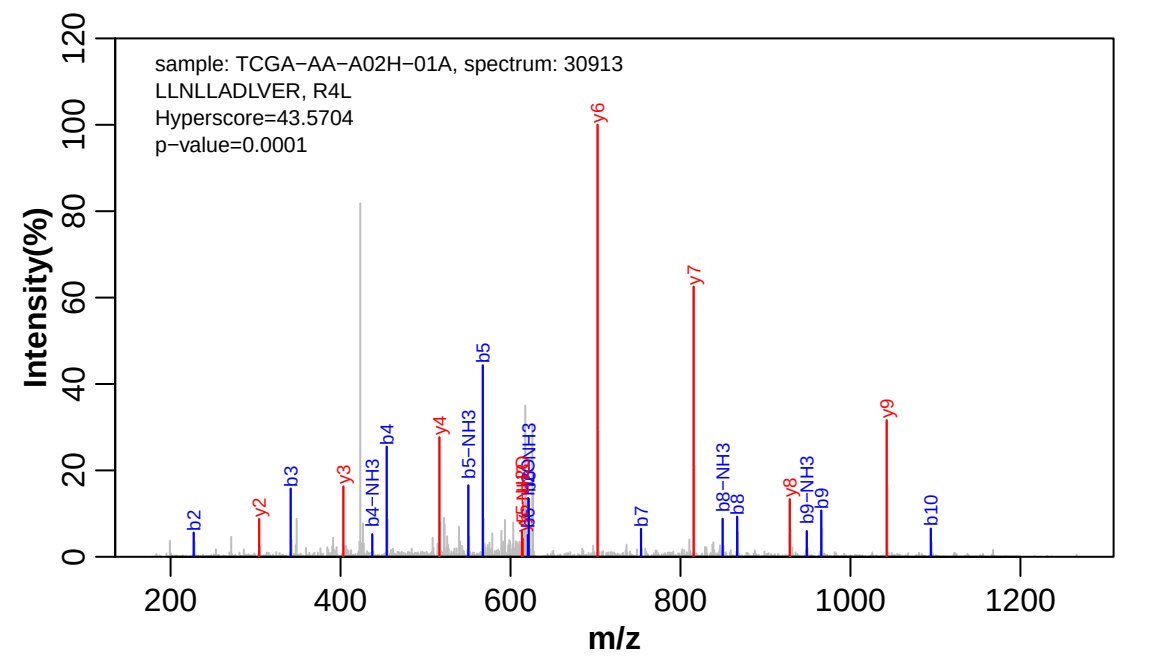

sample: TCGA−AA−A02H−01A, spectrum: 7579
LEGLLEGLGLR, G6E
Hyperscore=40.2041
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y2
y3
b4−H2O
b4
y4−H2O
y4
y5−NH3
y5
b5
y6−NH3
y6−H2O
y6
b6
b7
y7
b8−H2O
b8
y8
b9
y9
b10
y10−H2O

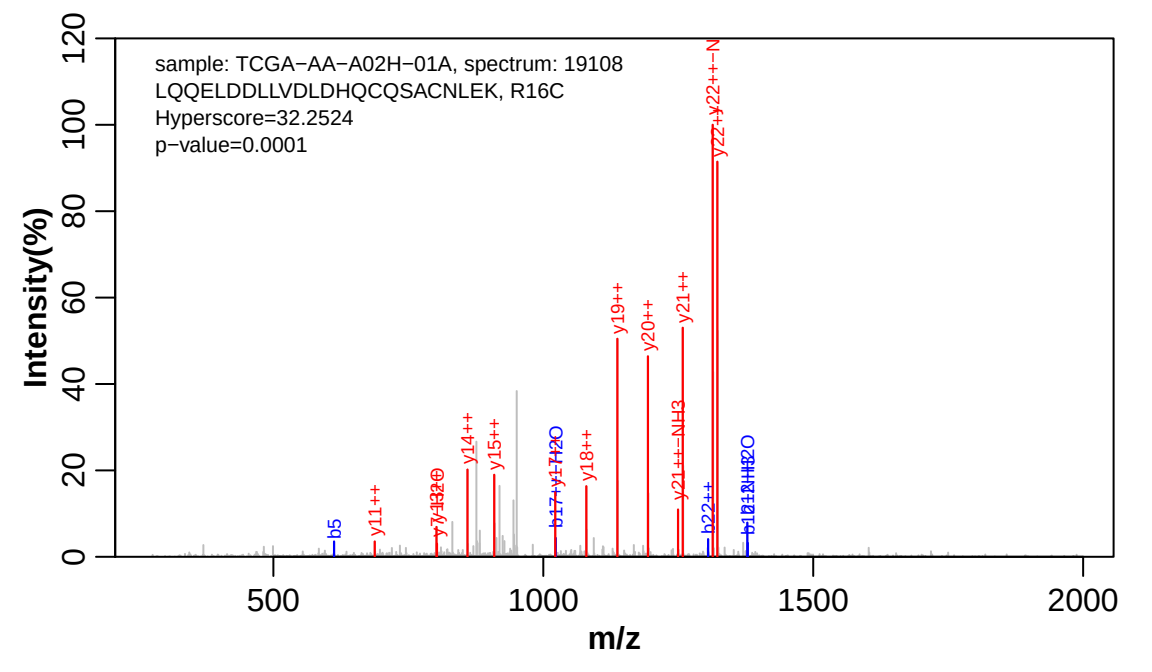

sample: TCGA−AA−A02H−01A, spectrum: 39895
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=76.1330
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y4
b7++
y5
b10++
b11++
y6
b12++
b13++
y7
b14++
b15++−H2O
b15−NH3
b7
b10
b8
y10
b9
b11
b12

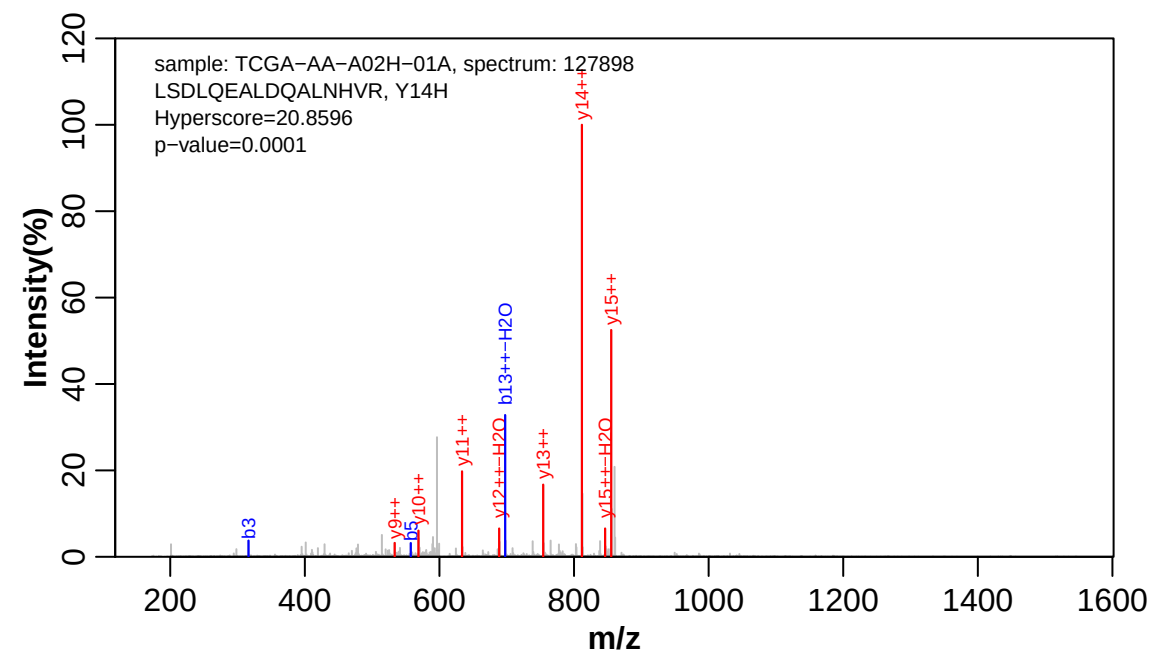

sample: TCGA−AA−A02H−01A, spectrum: 13960
LGGLQPSQDR, G7S
Hyperscore=16.5547
p−value=0.0004
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
y1
b3−NH3
b3
y2
b5−H2O
b5
y4−H2O
y4
y5
b7−NH3
y7
y9−NH3
y9

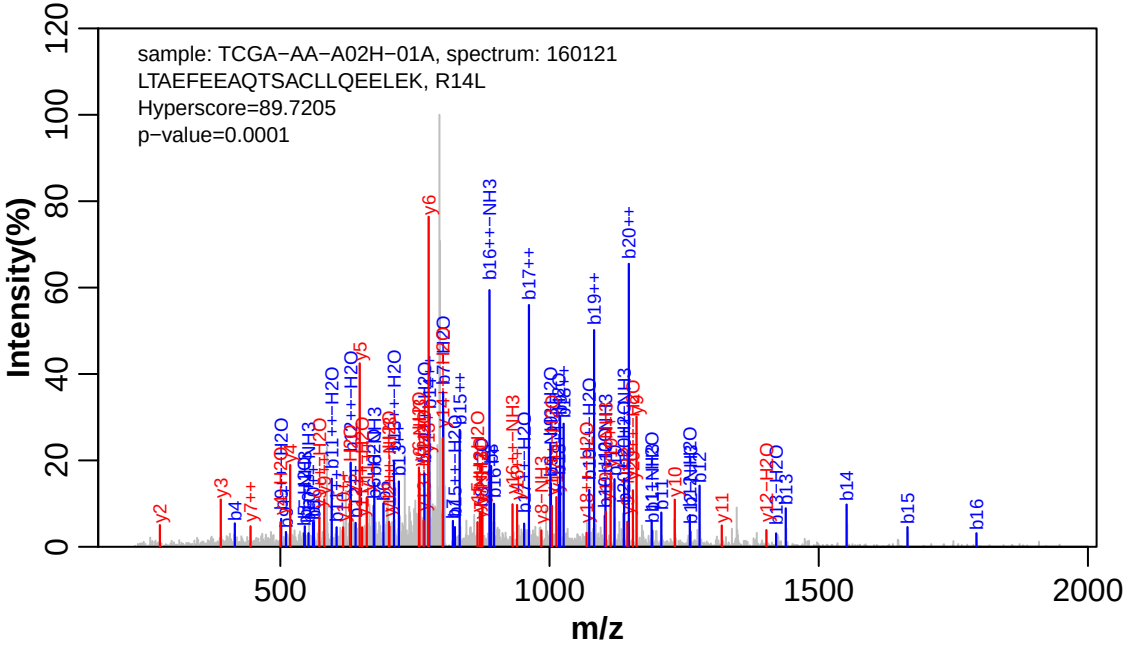

sample: TCGA−AA−A02H−01A, spectrum: 48152
LHVLVEPDHFK, Q2H
Hyperscore=55.6138
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y5++
y5
y9++
b5
b6
y6++−H2O
y7++−H2O
y6++
y6−H2O
y6
y7
b4
y3−H2O
y10++
b10++
b2
y2
b3
b6++

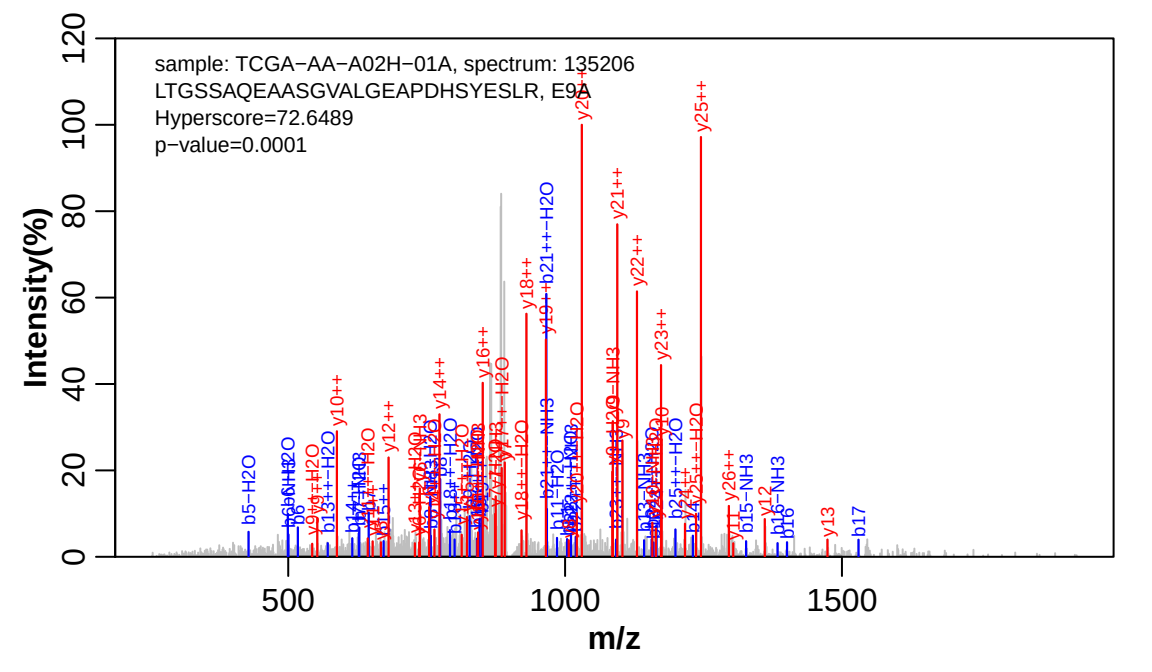

sample: TCGA−AA−A02H−01A, spectrum: 160417
LLDTAFDLDLFK, V10I
Hyperscore=51.2926
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
b4
b5−H2O
b5
y4
b6−H2O
b6
y5
y6
b7
b8−H2O
b8
y7
y8
b9
b10−H2O
b10
y9
y10−NH3
y10−H2O
y10
b11

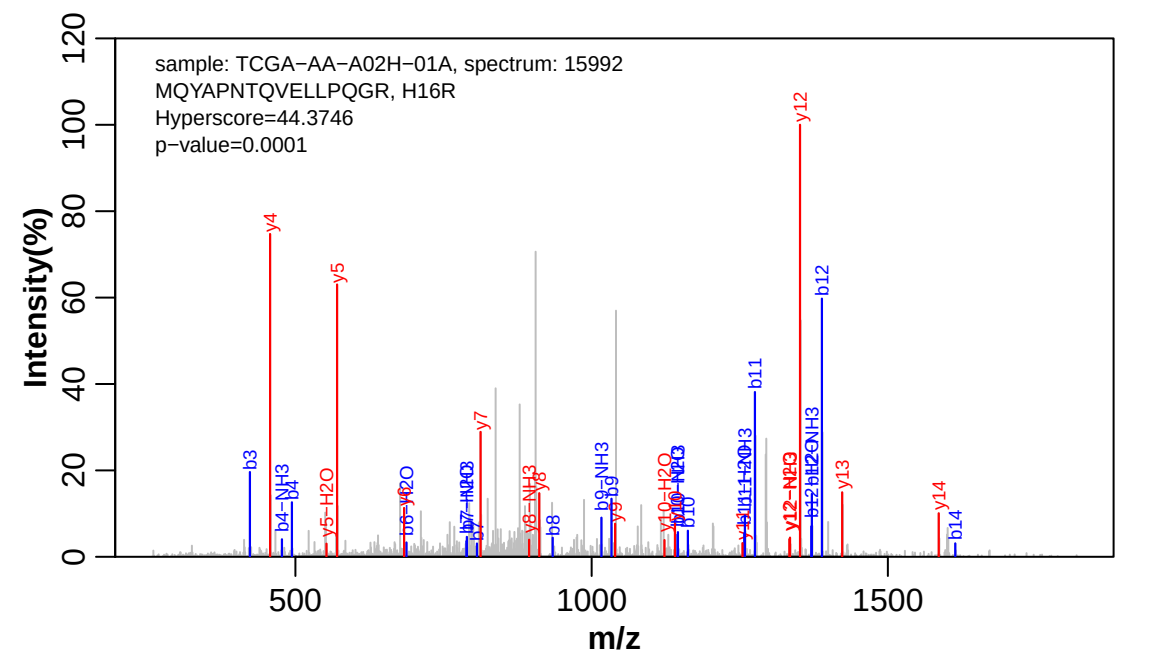

sample: TCGA−AA−A02H−01A, spectrum: 30913
LLNLLADLVER, R4L
Hyperscore=43.5704
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
b7
y6
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

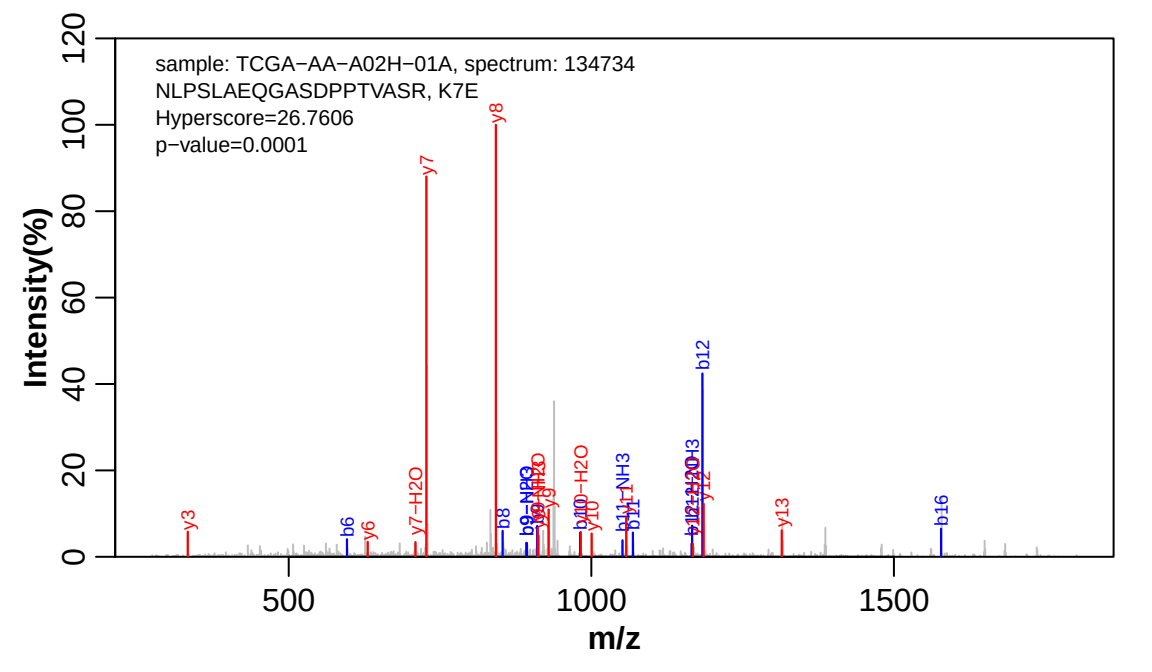

sample: TCGA−AA−A02H−01A, spectrum: 19108
LQQELDDLLVDLDHQCQSACNLEK, R16C
Hyperscore=32.2524
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5
y11++
y14++
y15++
y18++
y19++
y20++
y21++
y21++−NH3
y22++
y22++−N
b22++

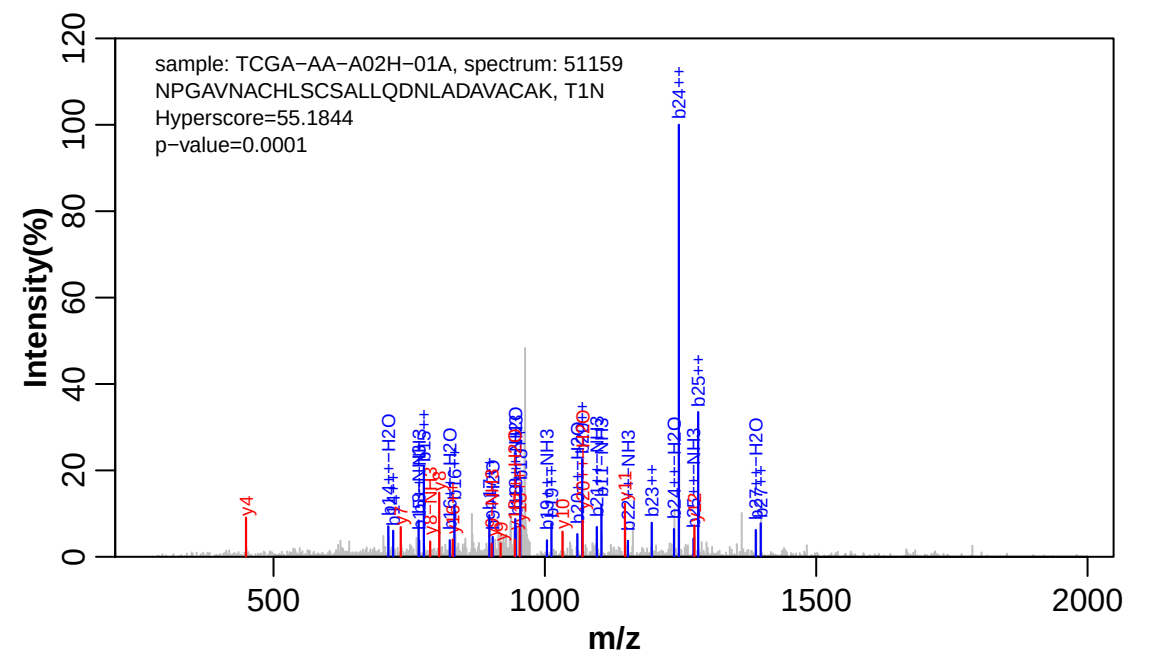

sample: TCGA−AA−A02H−01A, spectrum: 127898
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.8596
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y9++
b5
y10++
y11++
y12++−H2O
b13++−H2O
y13++
y14++
y15++−H2O
y15++

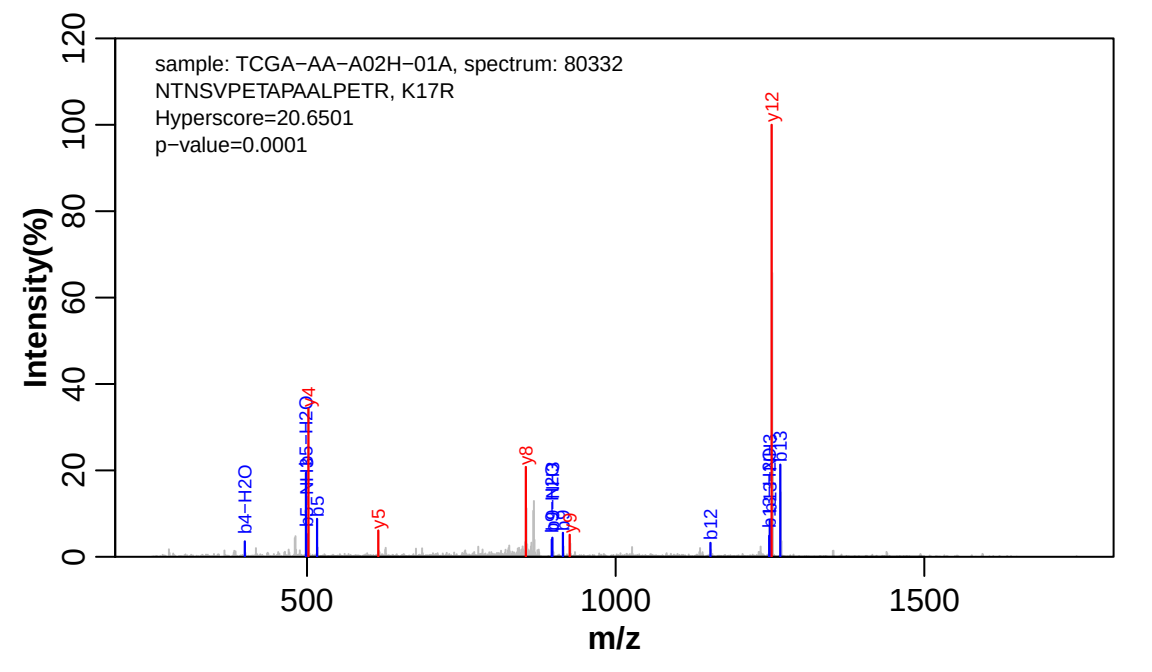

sample: TCGA−AA−A02H−01A, spectrum: 160121
LTAEFEEAQTSACLLQEELEK, R14L
Hyperscore=89.7205
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
b4
y7++
y6
y5
b16++−NH3
b17++
b20++
b19++
b15
b16
b14
y11
y10
b12
b13
y12−H2O
b13−H2O

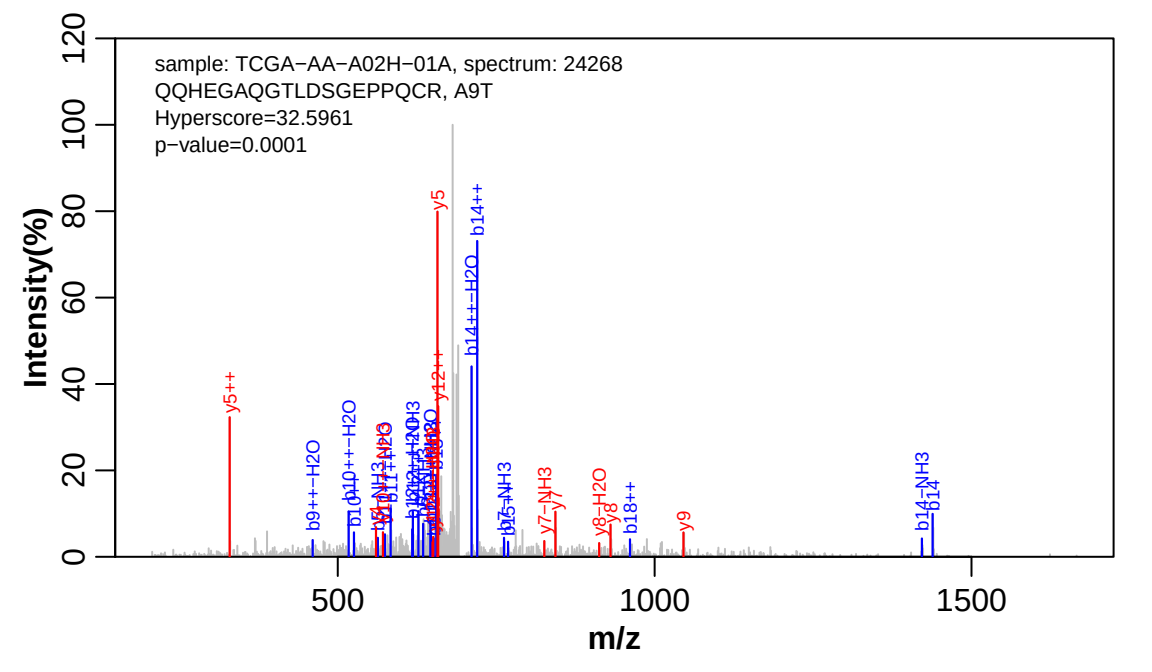

sample: TCGA−AA−A02H−01A, spectrum: 135206
LTGSSAQEAASGVALGEAPDHSYESLR, E9A
Hyperscore=72.6489
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5−H2O
y10++
y12++
y14++
y16++
y18++
y19++−H2O
y20++
y21++
y22++
y23++
y25++
y26++
b15−NH3
b16−NH3
y13
b17

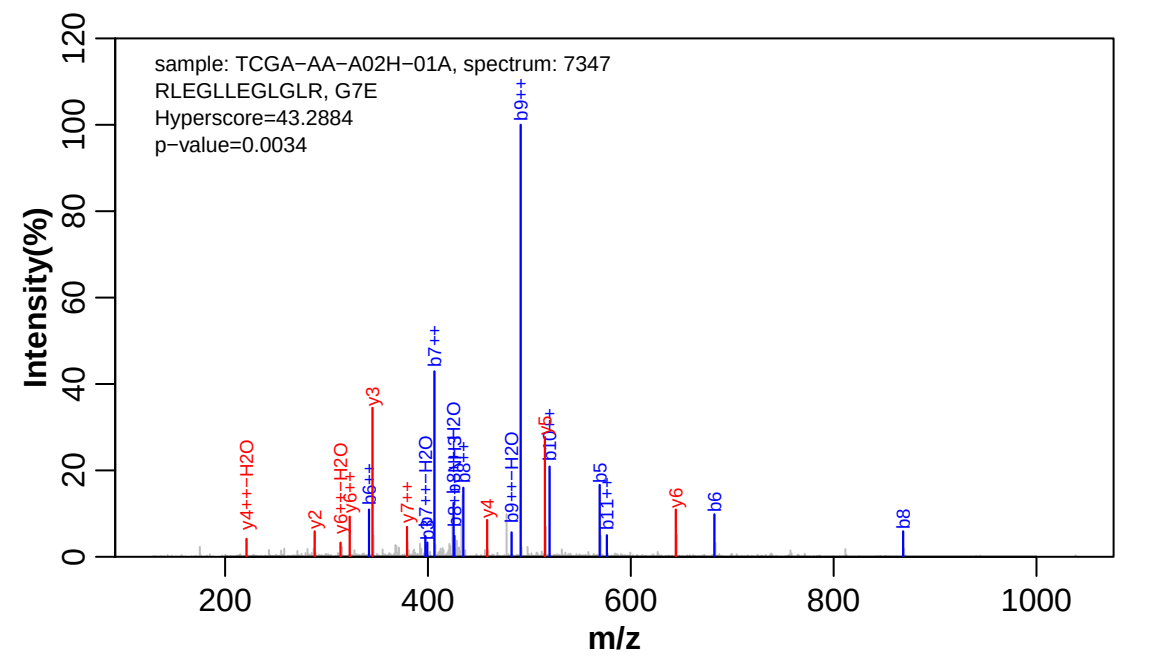

sample: TCGA−AA−A02H−01A, spectrum: 15992
MQYAPNTQVELLPQGR, H16R
Hyperscore=44.3746
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y12
b12
b11
y7
y13
y14
b14
b3
b4
b4−NH3
y5−H2O
b6−H2O
b8−NH3
b8
b9−NH3
y10−H2O
y12−NH3
b12−NH3
b12−H2O−NH3

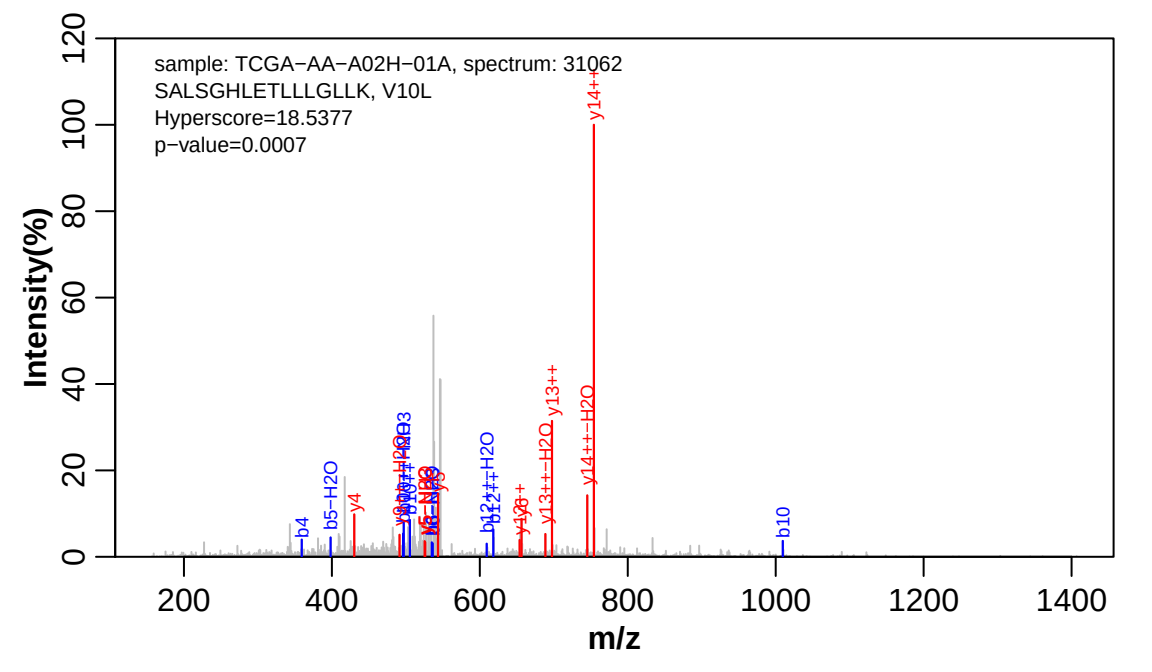

sample: TCGA−AA−A02H−01A, spectrum: 134734
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=26.7606
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b6
y6
y7−H2O
y7
b8
y8
y10−H2O
b11−NH3
b12
y13
b16

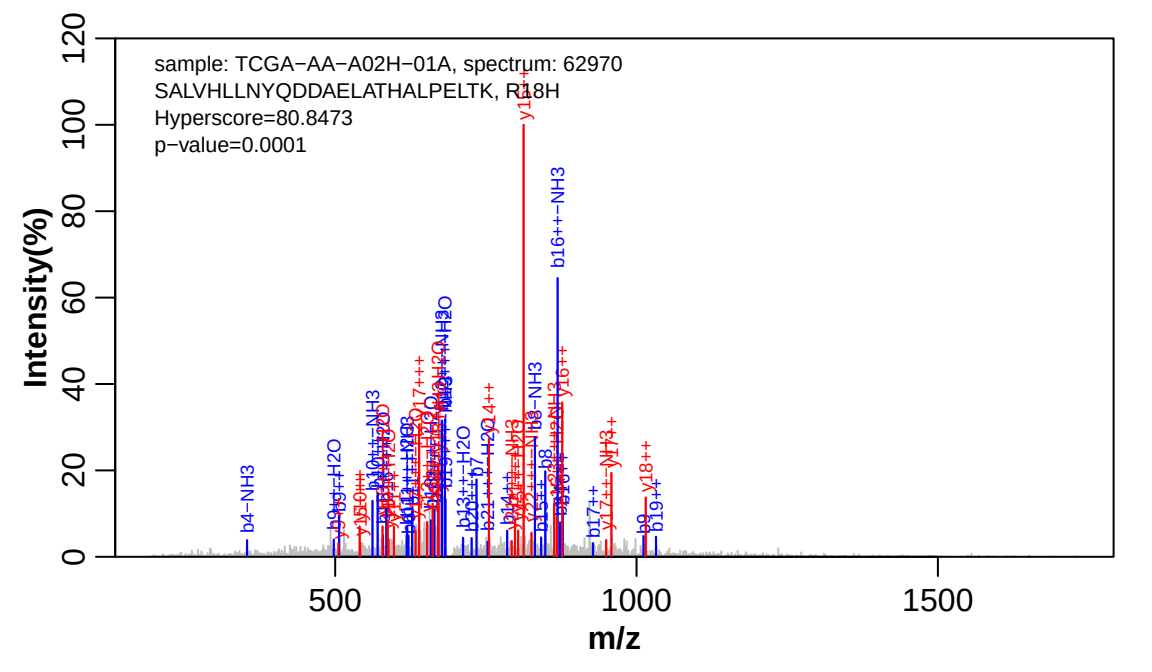

sample: TCGA−AA−A02H−01A, spectrum: 51159
NPGAVNACHLSCSALLQDNLADAVACAK, T1N
Hyperscore=55.1844
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
b25++
y4
y10
b23++
b22++−NH3
b24++−H2O
b24++−NH3
b25++−NH3
b27++−H2O

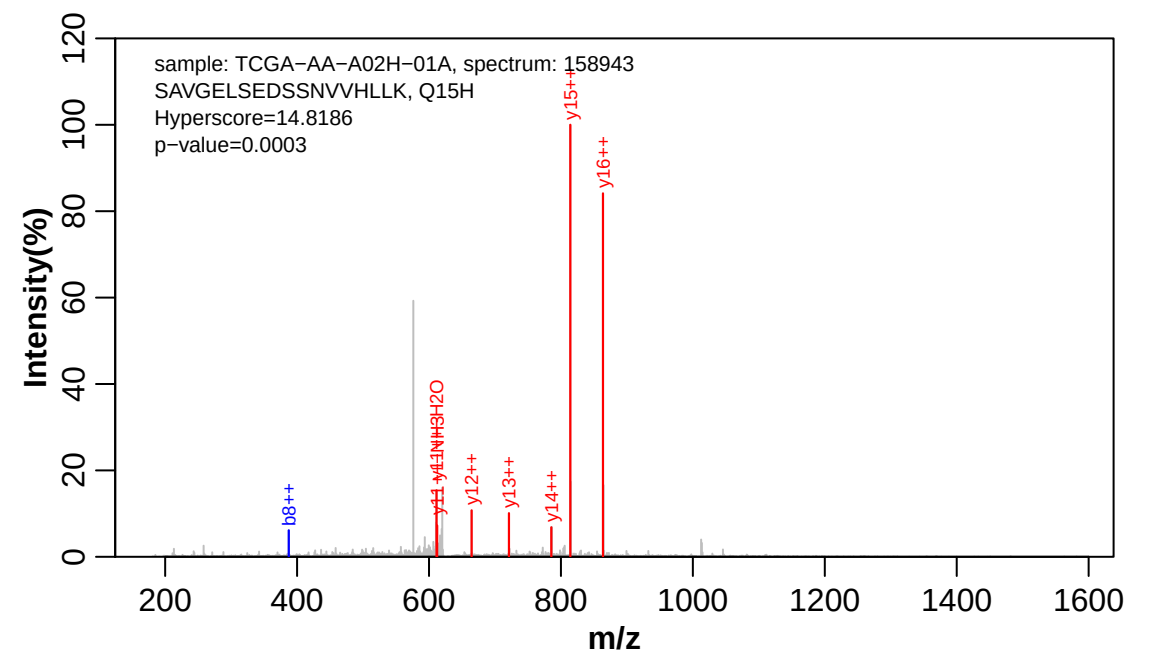

sample: TCGA−AA−A02H−01A, spectrum: 80332
NTNSVPETAPAALPETR, K17R
Hyperscore=20.6501
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y8
y5
b4−H2O
b5
b12
b13

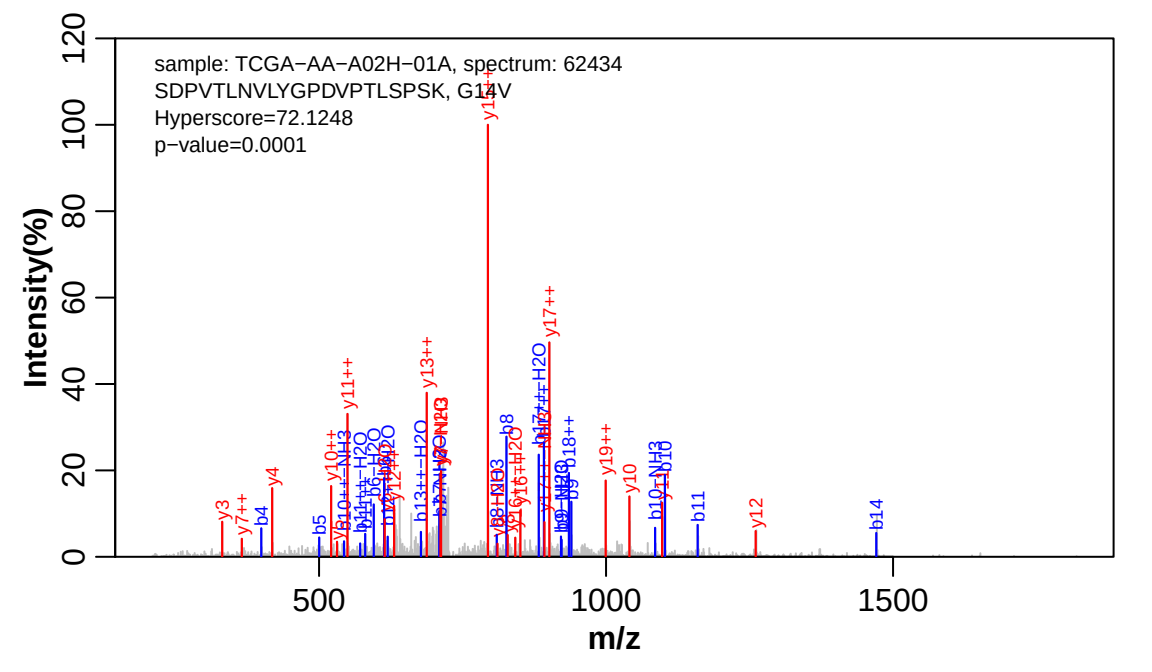

sample: TCGA−AA−A02H−01A, spectrum: 24268
QQHEGAQGTLDSGEPPQCR, A9T
Hyperscore=32.5961
p−value=0.0001
Intensity(%)
m/z
y5++
b9++−H2O
b10++−H2O
y5
b14++
b14++−H2O
y12++
y7−NH3
y8−H2O
b18++
y9
b14−NH3
b14

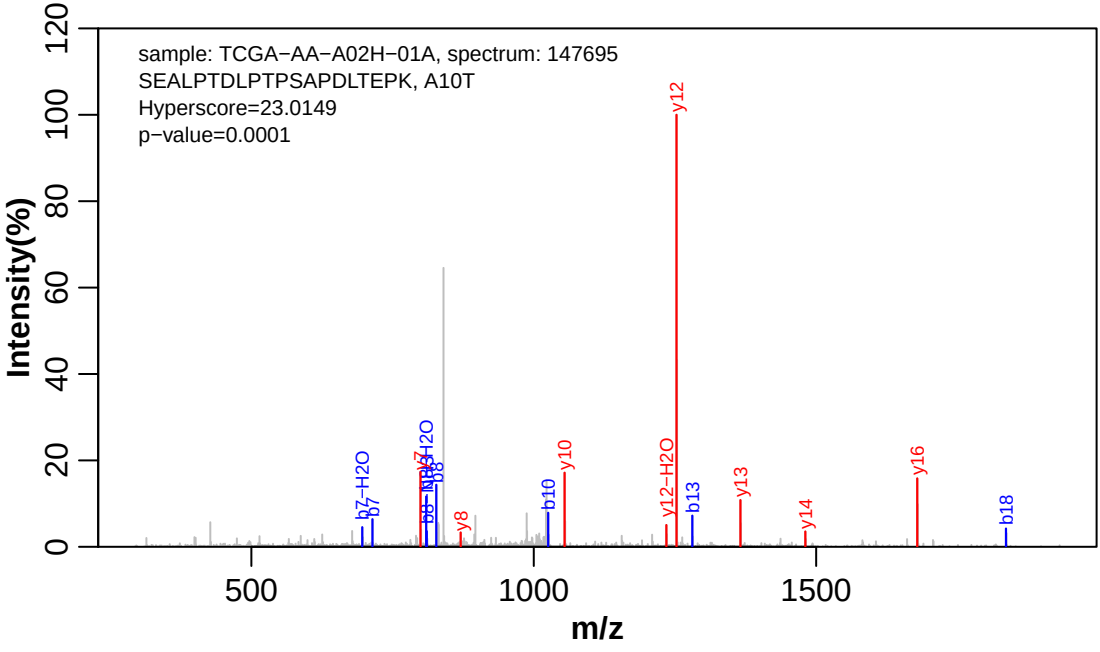

sample: TCGA−AA−A02H−01A, spectrum: 7347
RLEGLLEGLGLR, G7E
Hyperscore=43.2884
p−value=0.0034
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y4++−H2O
y2
y6++−H2O
y6++
b6++
y3
y7++
b7++−H2O
b7++
b8++−H2O
b8++
y4
b9++−H2O
b9++
b10++
b11++
b5
y6
b6
b8

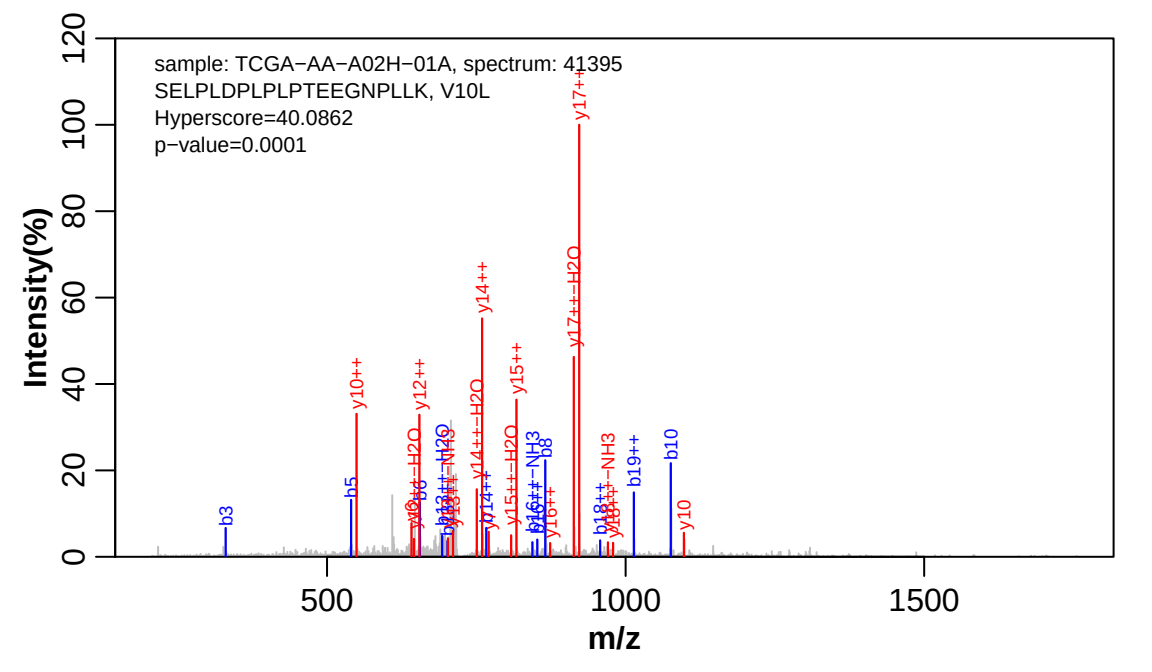

sample: TCGA−AA−A02H−01A, spectrum: 31062
SALSGHLETLLLGLLK, V10L
Hyperscore=18.5377
p−value=0.0007
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4
b5−H2O
y4
b12++H2O
y13++−H2O
y13++
y14++−H2O
y14++
b10

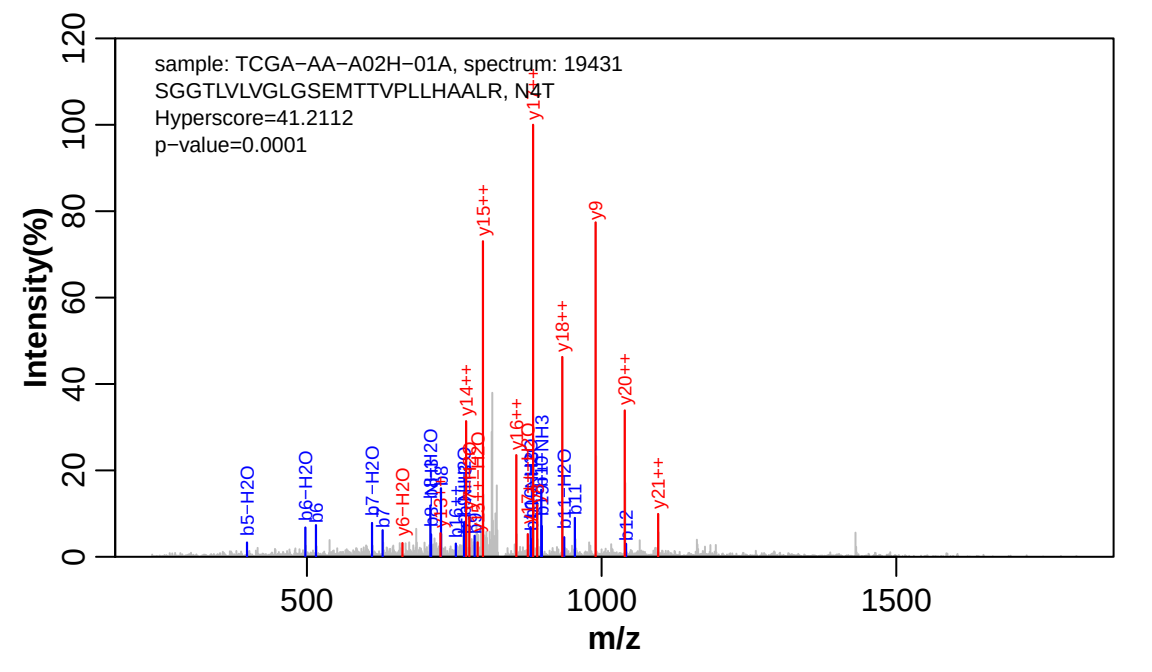

sample: TCGA−AA−A02H−01A, spectrum: 62970
SALVHLLNYQDDAELATHALPELTK, R18H
Hyperscore=80.8473
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y18++
b16++−NH3
b4−NH3
y16++
b17++
y17++−NH3
b9
b19++

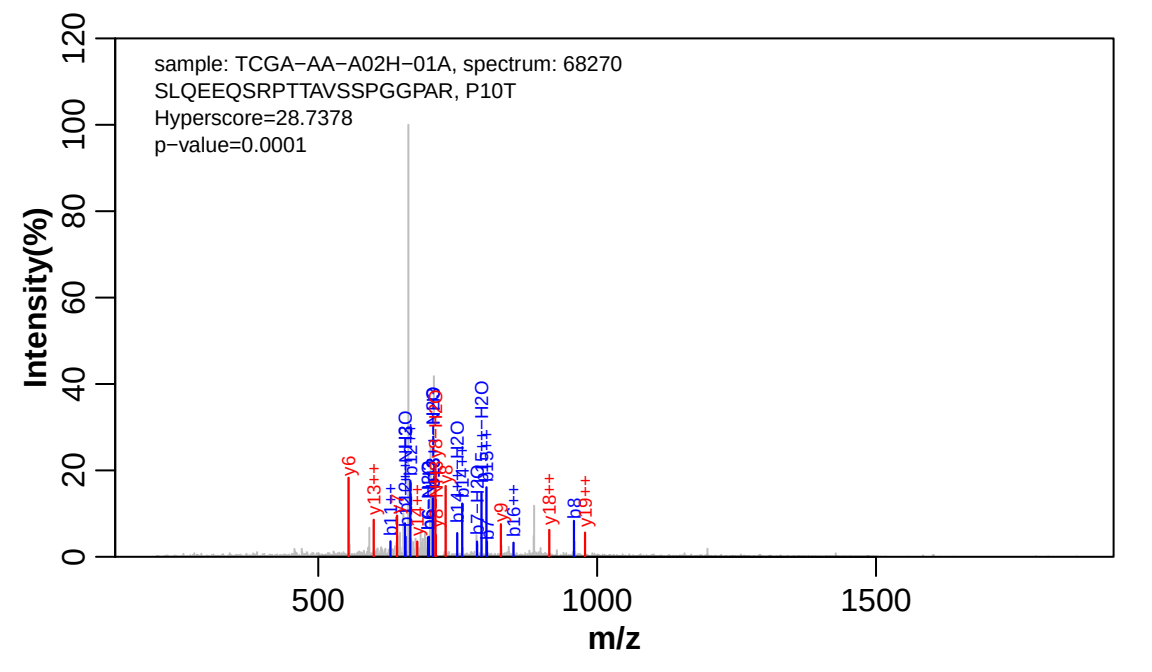

sample: TCGA−AA−A02H−01A, spectrum: 158943
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=14.8186
p−value=0.0003
Intensity(%)
m/z
b8++
y11 -NH3
y11 -H2O
y12++
y13++
y14++
y15++
y16++

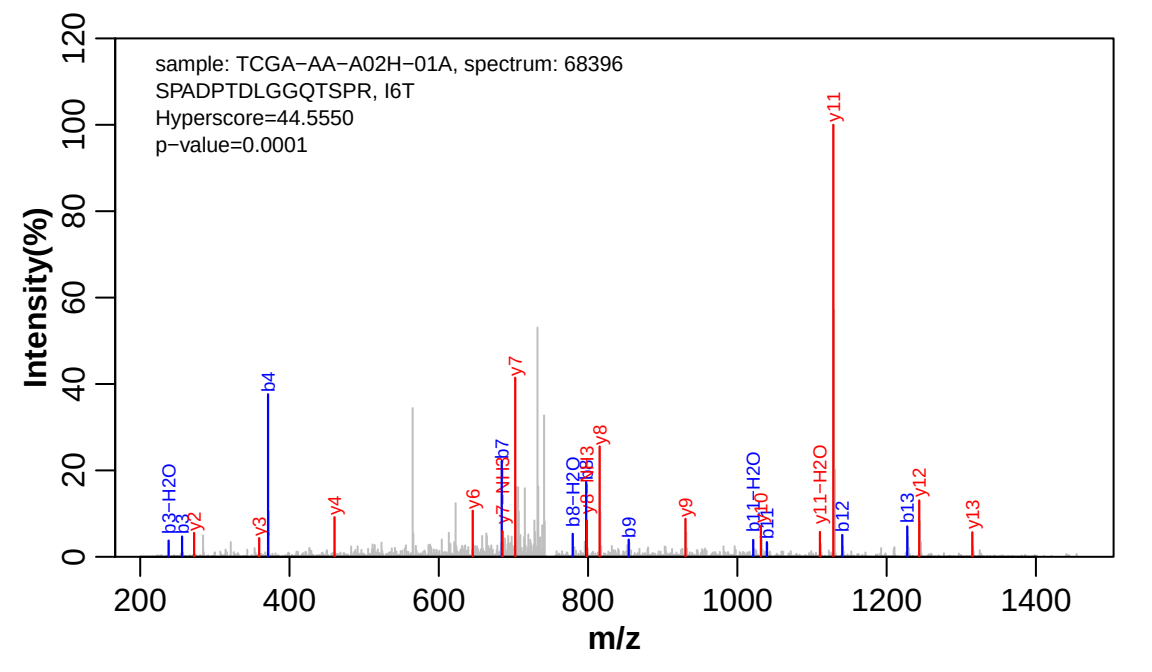

sample: TCGA−AA−A02H−01A, spectrum: 62434
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=72.1248
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y15++
y17++
y13++
y11++
y10++
y19++
y10
y12
b11
b14
y3
y7++
b4
y4
b5

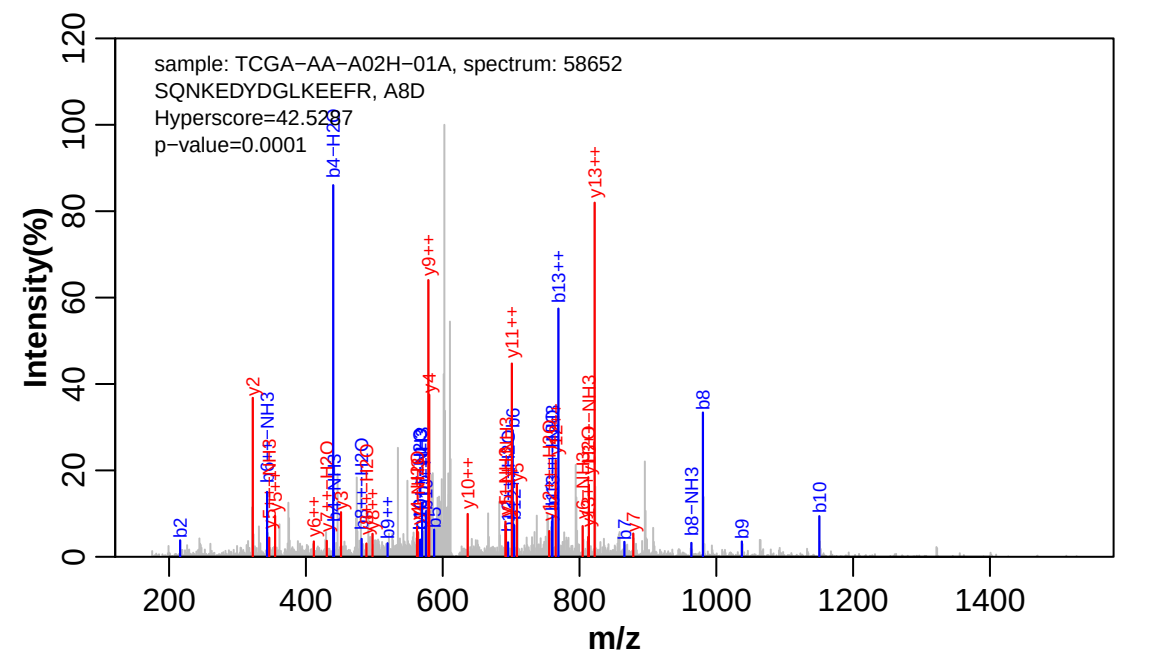

sample: TCGA−AA−A02H−01A, spectrum: 147695
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=23.0149
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
b7−H2O
b7
b8−NH3
b8−H2O
b8
y8
y10
b10
y12−H2O
b13
y13
y14
y16
b18

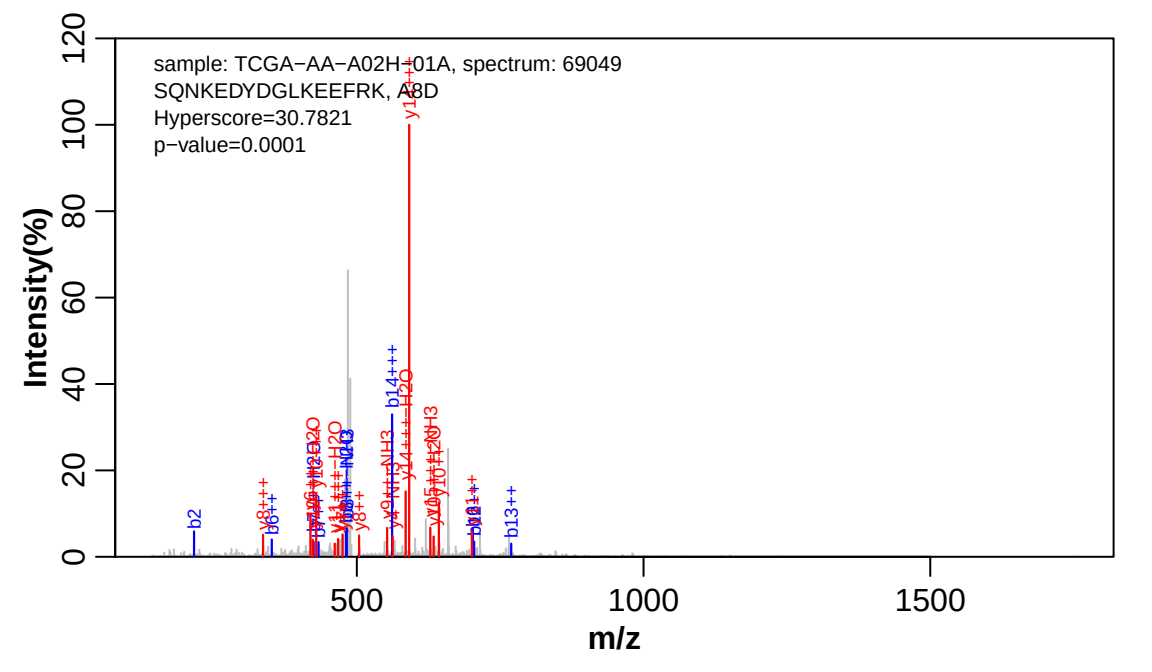

sample: TCGA−AA−A02H−01A, spectrum: 41395
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=40.0862
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y10++
b5
y12++
y14++
y14++−H2O
y15++
y17++−H2O
y17++
b10
y10
b19++
b8
y16++
b16++−NH3
y15++−H2O
y18++−NH3
b18++

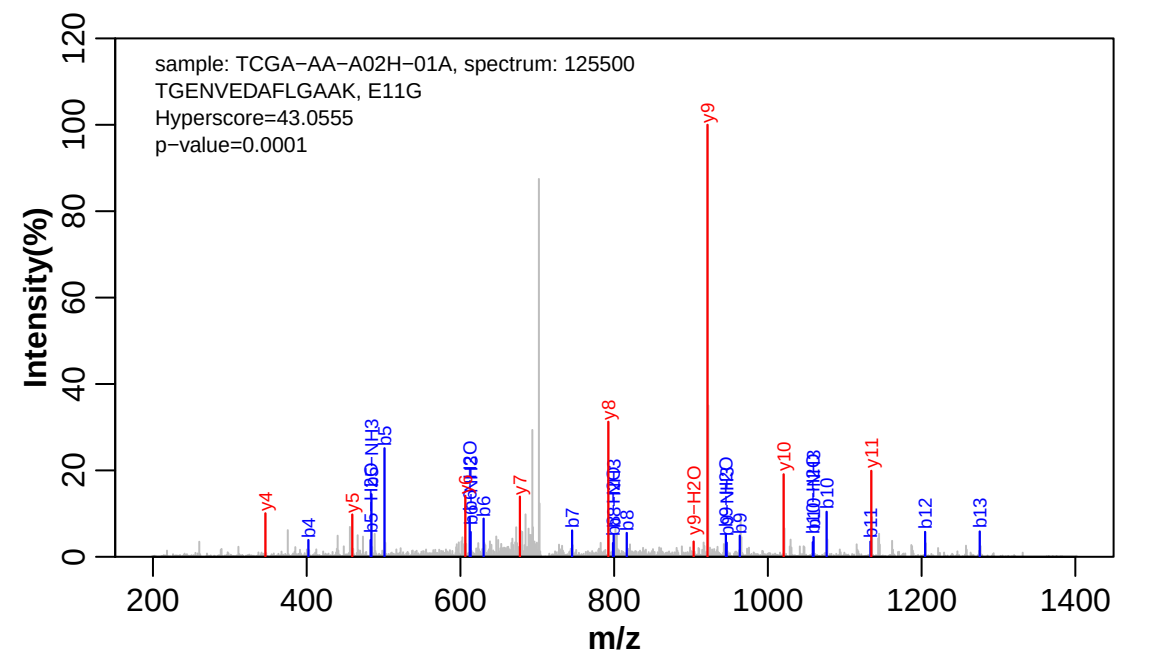

sample: TCGA−AA−A02H−01A, spectrum: 19431
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=41.2112
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y15++
y9
y18++
y20++
y14++
y16++
y21++
b5−H2O
b6−H2O
b6
b7−H2O
b7
y6−H2O
b11−H2O
b11
b12

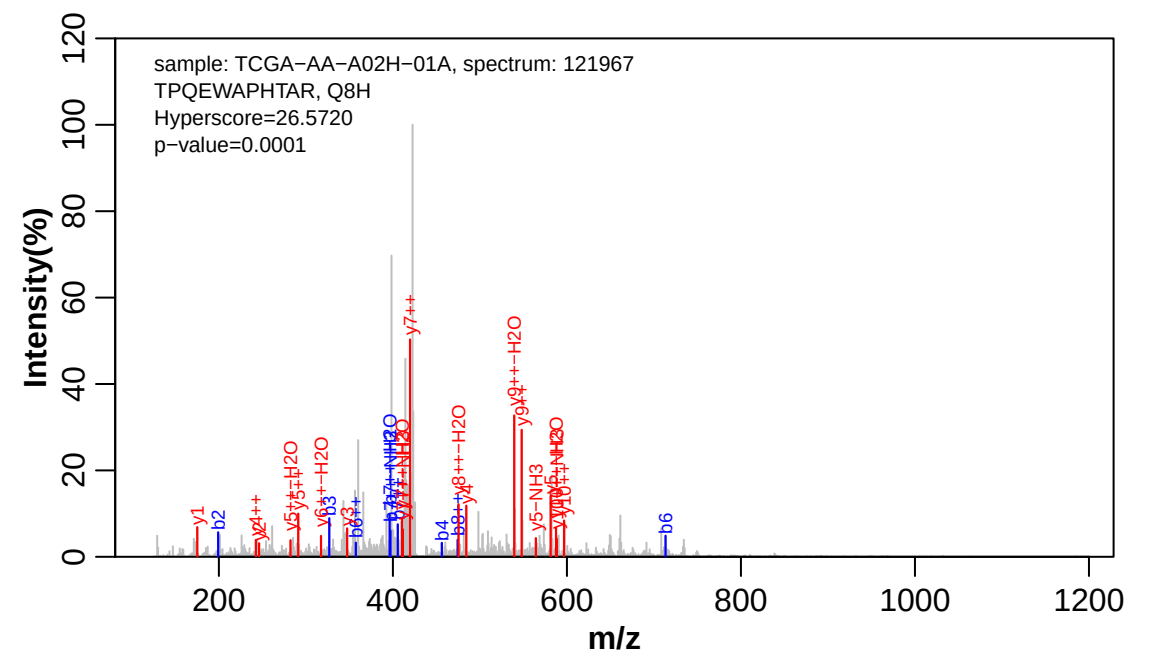

sample: TCGA−AA−A02H−01A, spectrum: 68270
SLQEEQSRPTTAVSSPGGPAR, P10T
Hyperscore=28.7378
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y6
y13++
b11++
b12++−NH3
b12++
y14++−NH3
y14++
y6−NH3
y6−H2O
b14++−H2O
b14++
b7−H2O
b15++−H2O
y9
b16++
y18++
b8
y19++

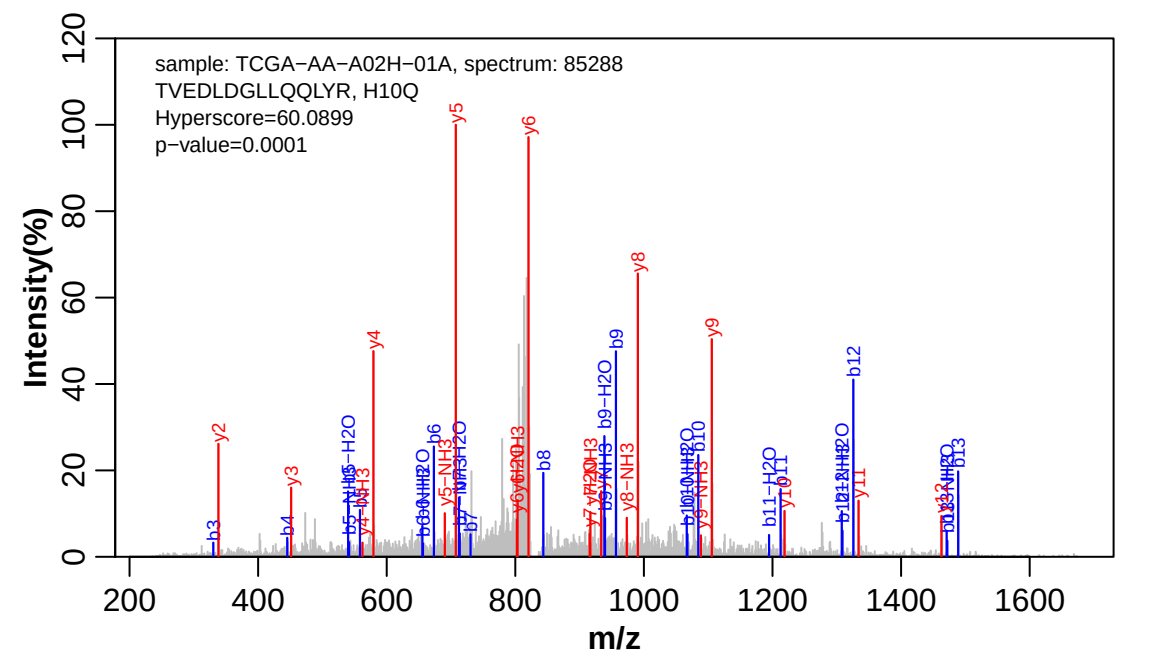

sample: TCGA−AA−A02H−01A, spectrum: 68396
SPADPTDLGGQTSPR, I6T
Hyperscore=44.5550
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
y2
y3
b4
y4
y6
y7−NH3
y7
b7
b8−H2O
y8
b8
b9
y9
b11−H2O
b11
b10
y11−H2O
y11
b12
b13
y12
y13

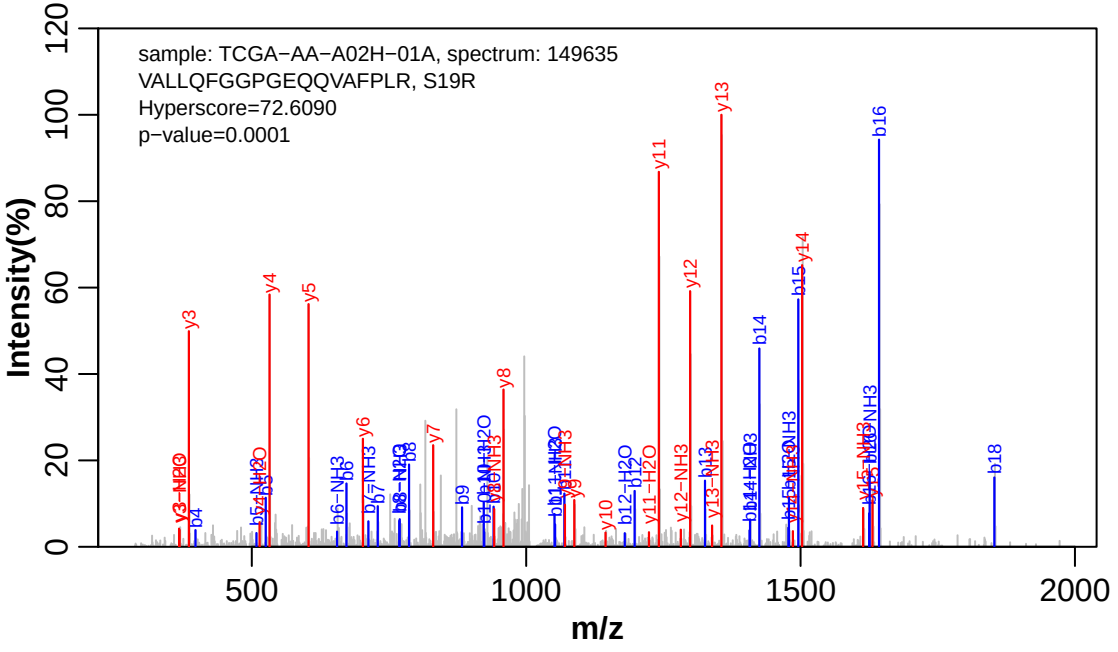

sample: TCGA−AA−A02H−01A, spectrum: 58652
SQNKEDYDGLKEEFR, A8D
Hyperscore=42.5287
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
y5−H2O−NH3
y5−H2O
y6++
y3−NH3
y3
b4−H2O
b4−H2O
b4
b8++
b8++−H2O
b9++
y9++
y4
b5
y10++
y11++
b6
b13++
y13++
y6−H2O−NH3
b7
y7
b8
b8−NH3
b9
b10

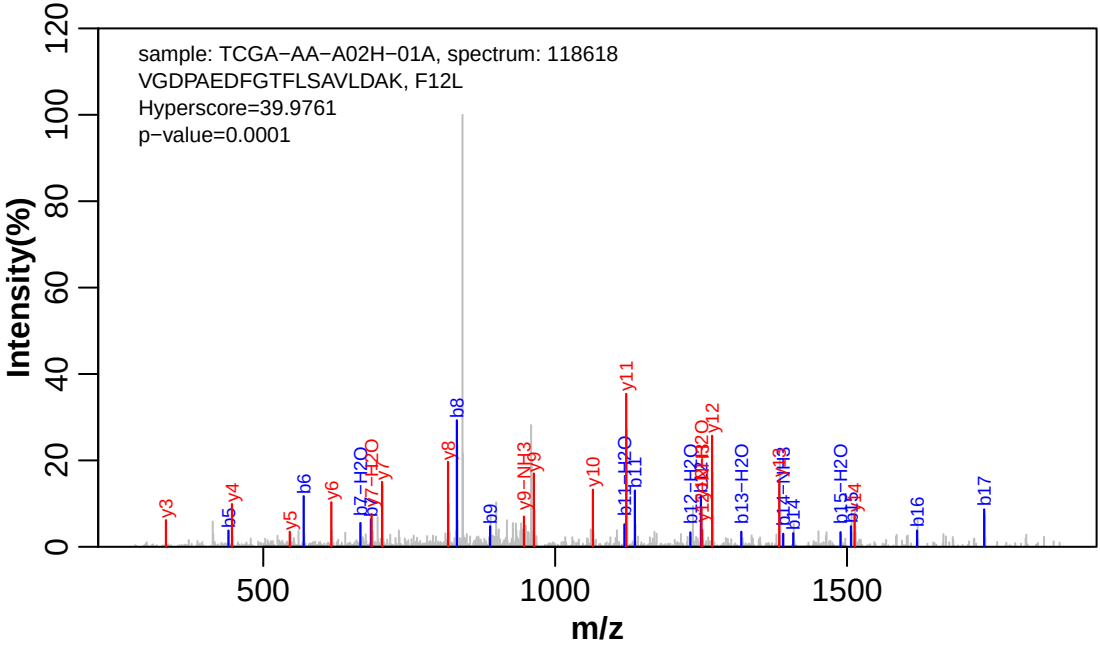

sample: TCGA−AA−A02H−01A, spectrum: 69049
SQNKEDYDGLKEEFRK, A8D
Hyperscore=30.7821
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
b2
y8+++
b6++
y8++
y14++
b14+++
b13++

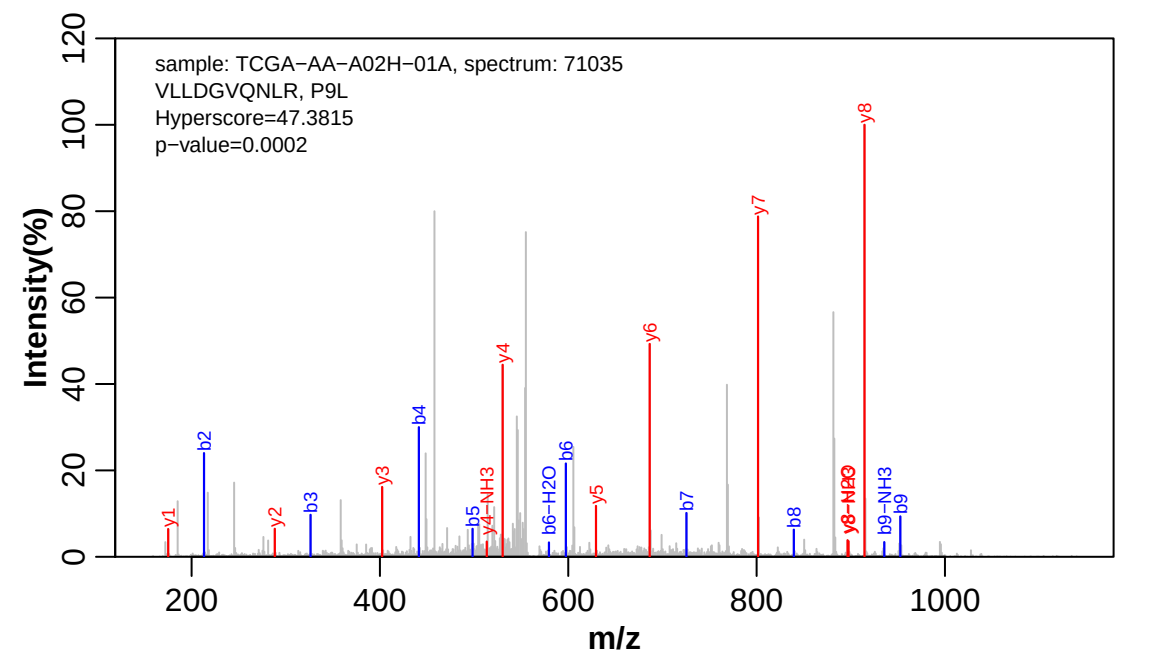

sample: TCGA−AA−A02H−01A, spectrum: 125500
TGENVEDAFLGAAK, E11G
Hyperscore=43.0555
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
b4
y5
b5
b5−NH3
b5−H2O
y6
b6
y7
b7
y8
b8
y9
y9−H2O
y9−NH3
b9
y10
b10
y11
b11
b12
b13

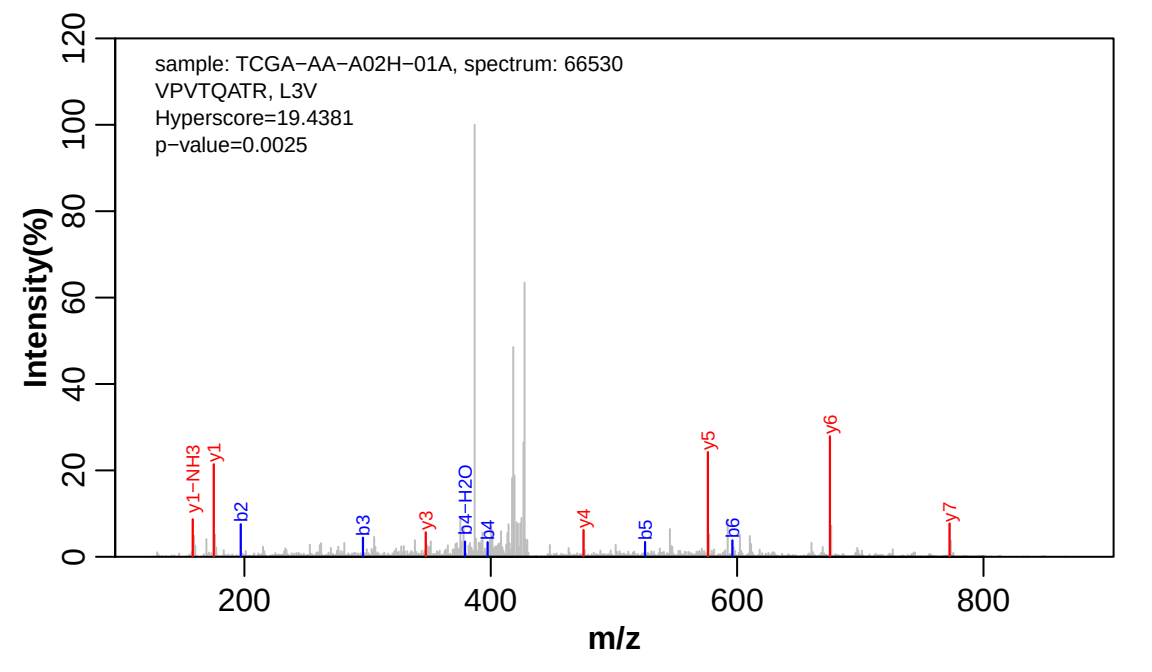

sample: TCGA−AA−A02H−01A, spectrum: 121967
TPQEWAPHTAR, Q8H
Hyperscore=26.5720
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2
y2++
y5++H2O
y6++H2O
b3
y3
b6++
b4
b8++
y8++H2O
y4
y7++
y9++H2O
y5−NH3
b6

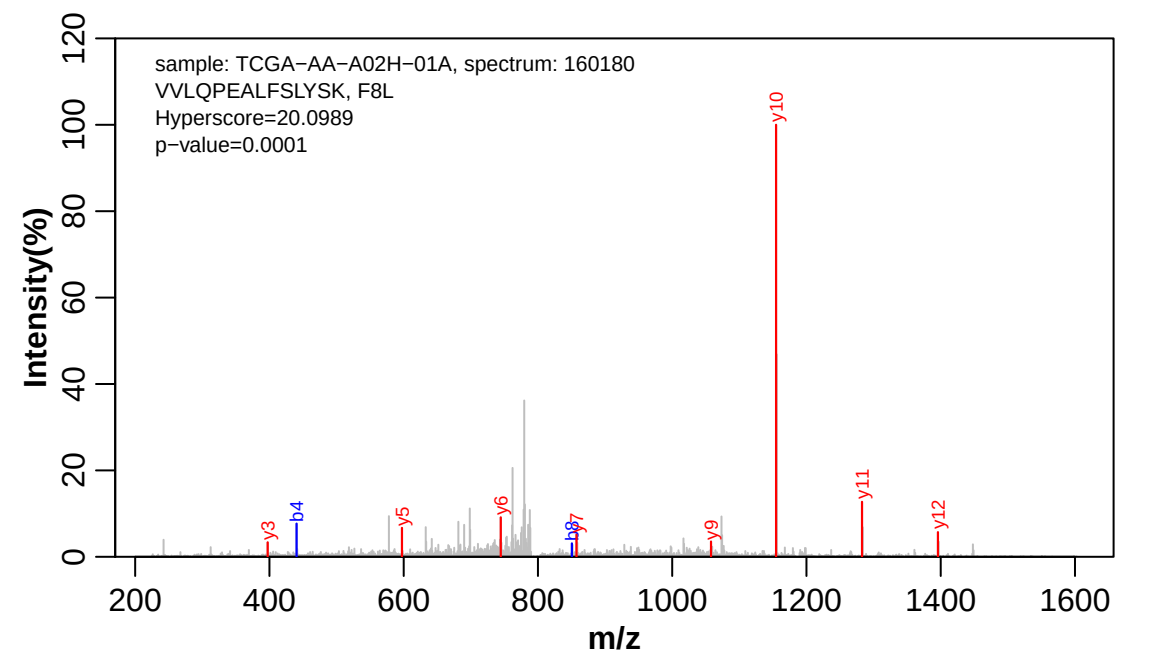

sample: TCGA−AA−A02H−01A, spectrum: 85288
TVEDLDGLLQQLYR, H10Q
Hyperscore=60.0899
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y8
y4
y2
y3
y9
b12
b9
b8
b9−H2O
b11−H2O
y11
y10
b13
b4
b3
b6
b10
y5−NH3
y8−NH3
y9−NH3
b9−NH3

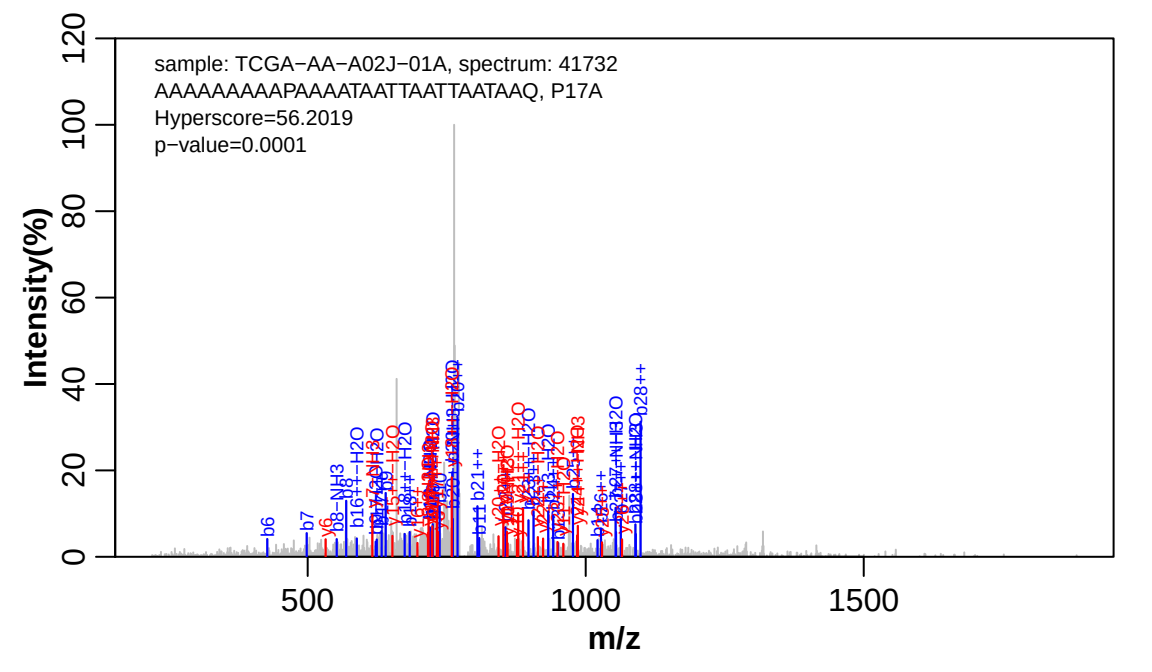

sample: TCGA−AA−A02H−01A, spectrum: 149635
VALLQFGGPGEQQVAFPLR, S19R
Hyperscore=72.6090
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y5
y6
y7
y8
y9
y10
y11
y12
y13
y14
b4
b5
b6
b7
b8
b9
b14
b15
b16
b18

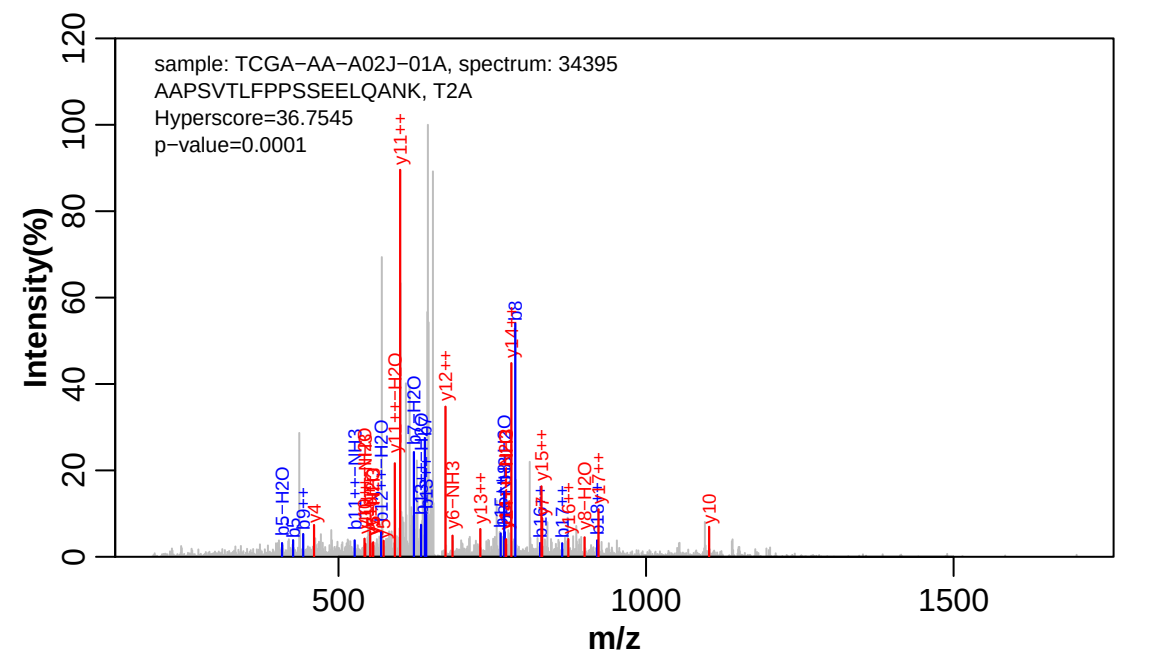

sample: TCGA−AA−A02H−01A, spectrum: 118618
VGDPAEDFGTFLSAVLDAK, F12L
Hyperscore=39.9761
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
b5−y4
y5
b6
y6
b7−H2O
b7
y7−H2O
y7
b8
y8
b9
y9−NH3
y9
y10
b11−H2O
b11
y11
b12−H2O
b12
y12
b13−H2O
b14−NH3
b14
b15−H2O
b15
b16
b17

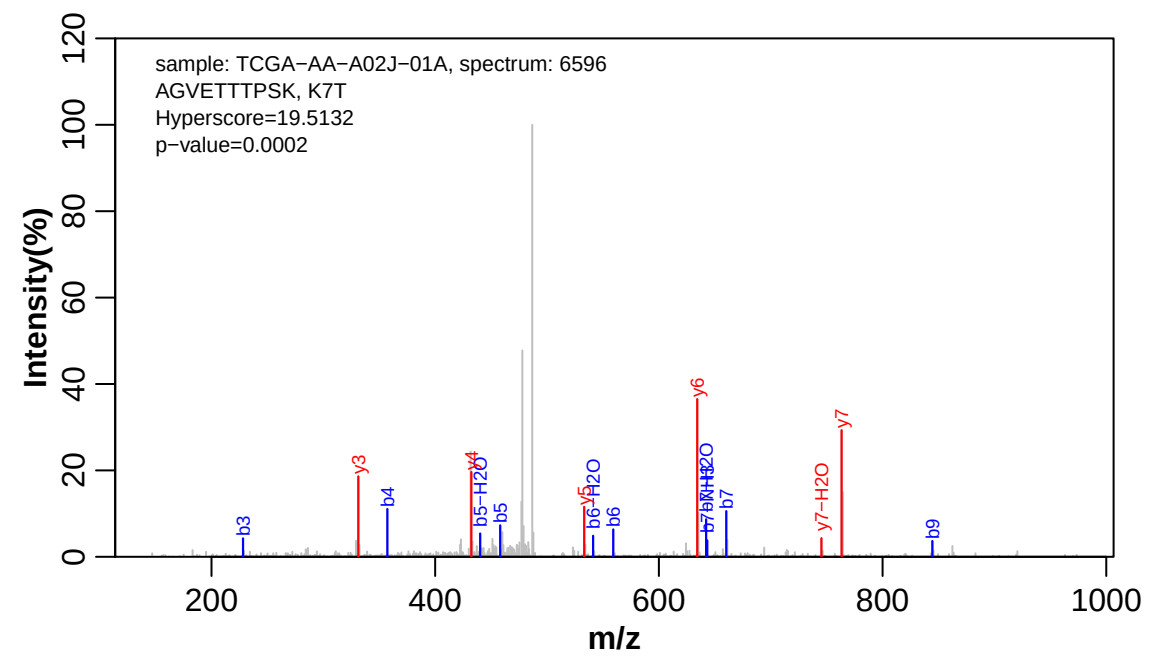

sample: TCGA−AA−A02H−01A, spectrum: 71035
VLLDGVQNLR, P9L
Hyperscore=47.3815
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3
b4
b5
y4−NH3
y4
b6−H2O
b6
y5
y6
b7
b8
y7
y8
b9−NH3
b9

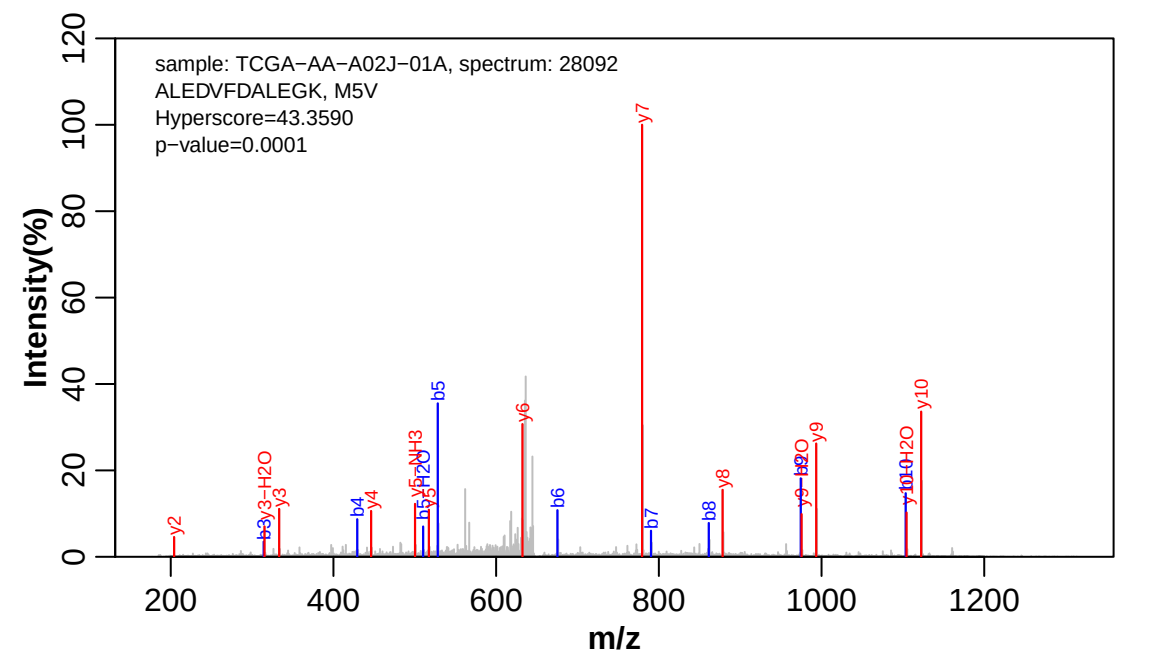

sample: TCGA−AA−A02H−01A, spectrum: 66530
VPVTQATR, L3V
Hyperscore=19.4381
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2
b3
y3
b4−H2O
b4
y4
b5
y5
b6
y6
y7

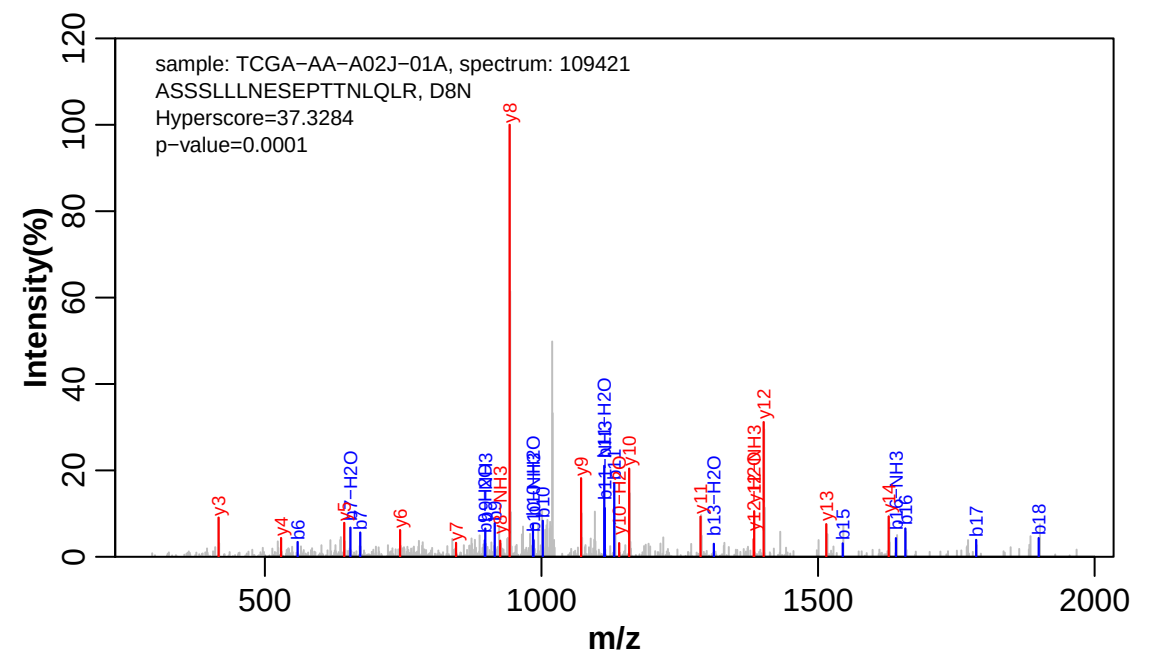

sample: TCGA−AA−A02H−01A, spectrum: 160180
VVLQPEALFSLYSK, F8L
Hyperscore=20.0989
p−value=0.0001
Intensity(%)
m/z
y3
b4
y5
y6
b8
y7
y9
y10
y11
y12

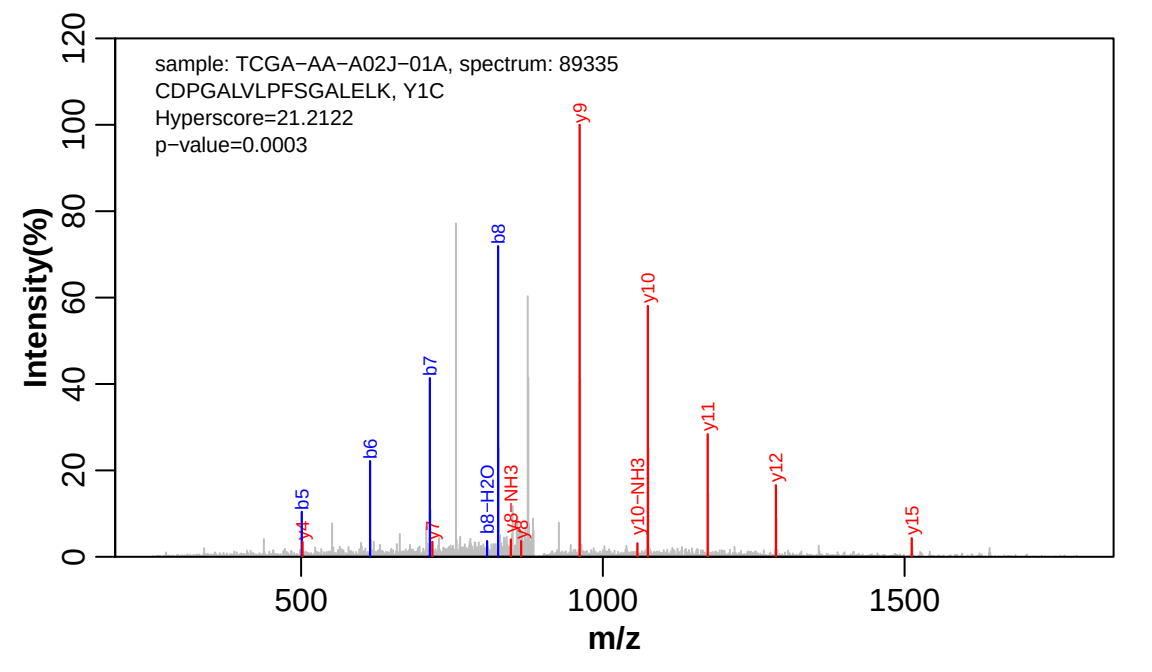

sample: TCGA−AA−A02J−01A, spectrum: 41732
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=56.2019
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

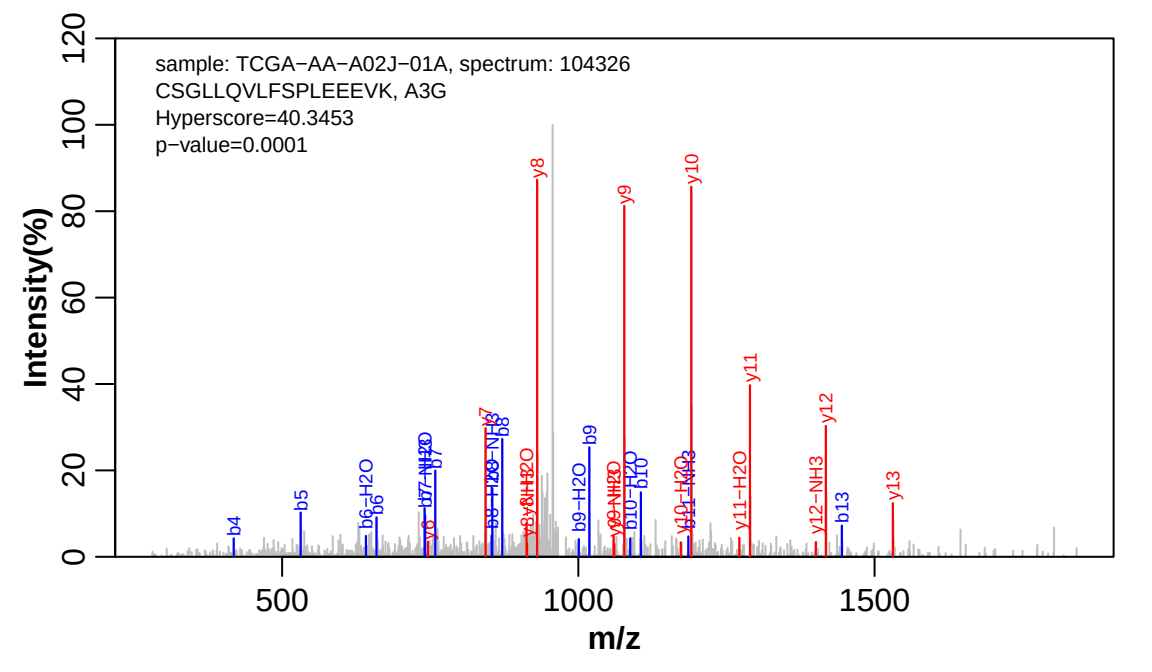

sample: TCGA−AA−A02J−01A, spectrum: 34395
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=36.7545
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
y12++
y14++b8
y15++
y10
y6−NH3
y13++
y4
b5−H2O
b9++
y8−H2O
y11++−H2O
y12++−H2O
y13++−H2O

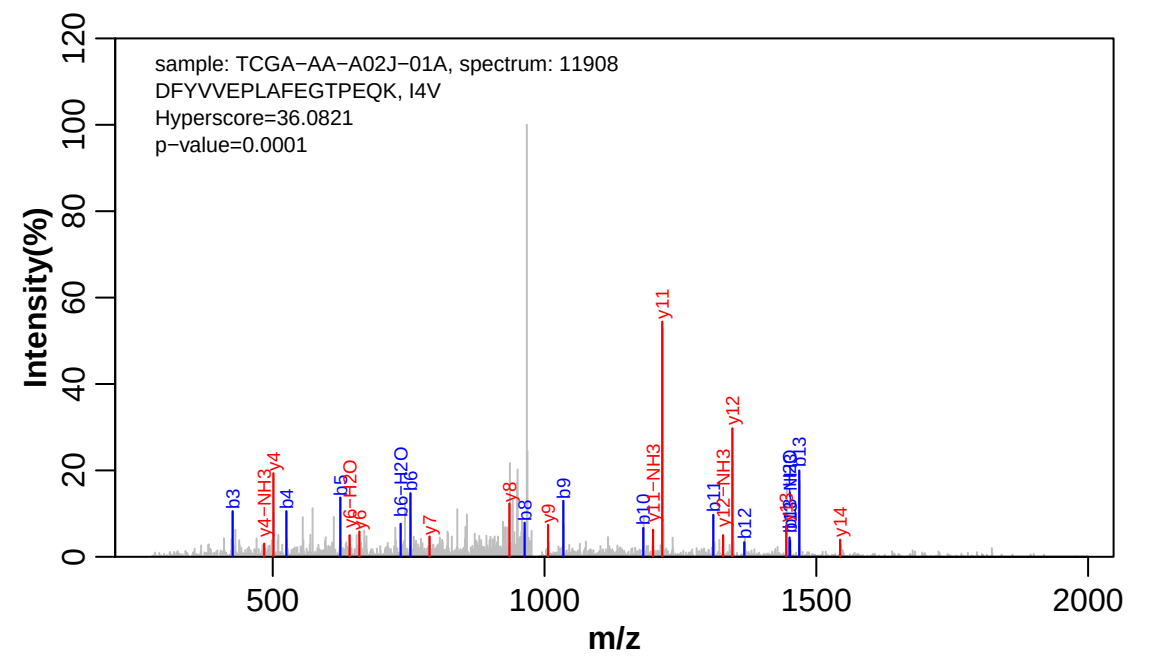

sample: TCGA−AA−A02J−01A, spectrum: 6596
AGVETTTPSK, K7T
Hyperscore=19.5132
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
y4−H2O
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
y7−H2O
b9

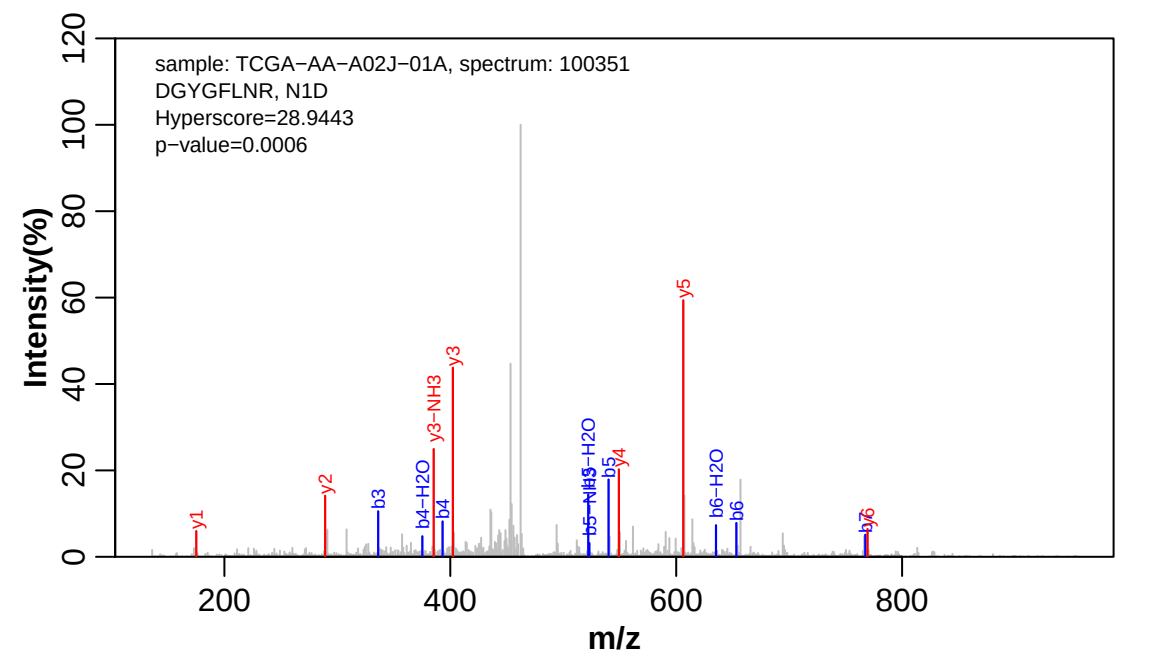

sample: TCGA−AA−A02J−01A, spectrum: 28092
ALEDVFDALEGK, M5V
Hyperscore=43.3590
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3−H2O
y3
b4
y4
b5
y5−NH3
y5−H2O
b5
y6
b6
y7
b7
b8
y8
y9
y9−H2O
y9
y10
y10−H2O

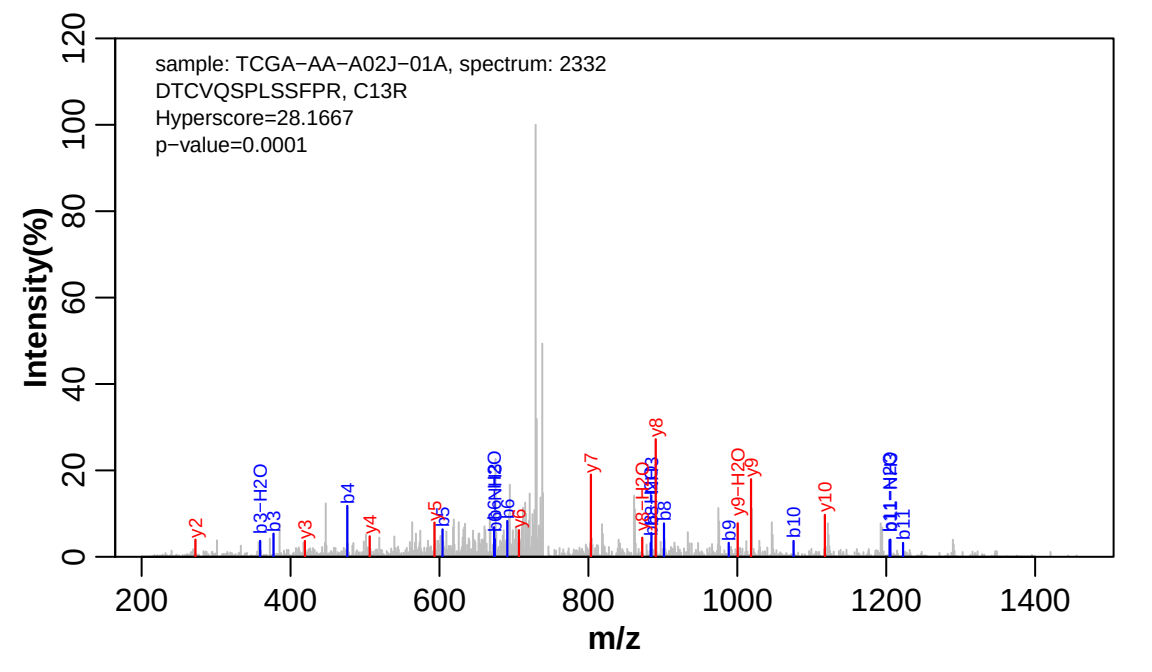

sample: TCGA−AA−A02J−01A, spectrum: 109421
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=37.3284
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y8
y3
y4
b6
y5
b7
y6
y7
y9
y10
y11
y12
y13
b15
b16
b17
b18

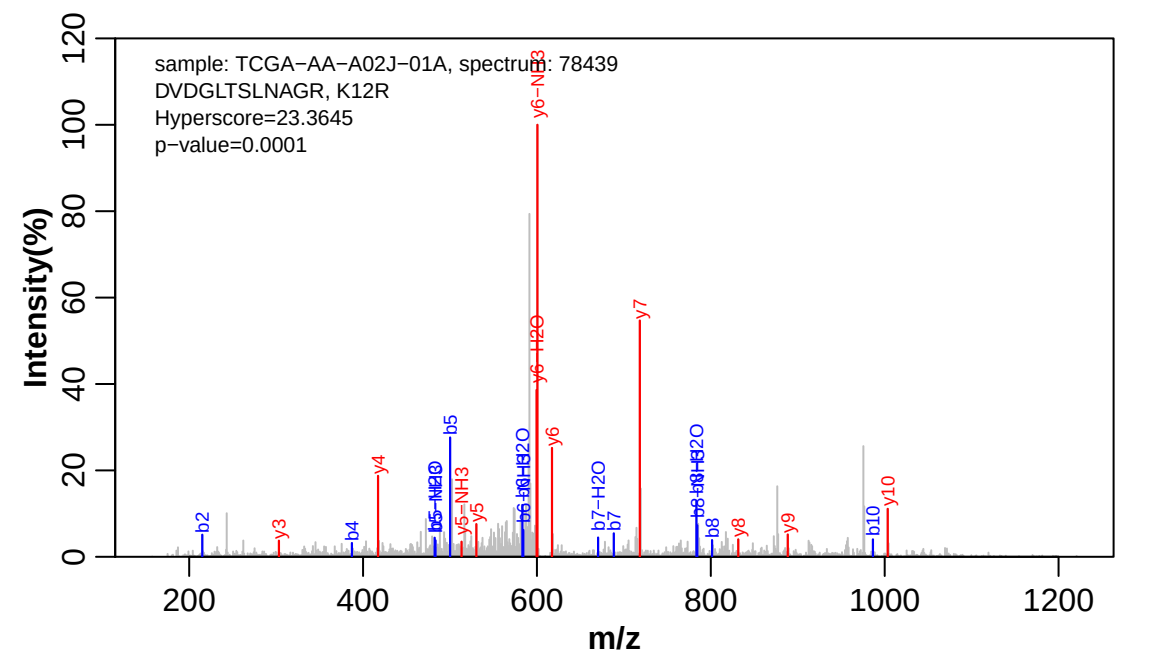

sample: TCGA−AA−A02J−01A, spectrum: 89335
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.2122
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4−b5
b6
b7
y7
b8−H2O
b8
y8−NH3
y8
y9
y10−NH3
y10
y11
y12
y15

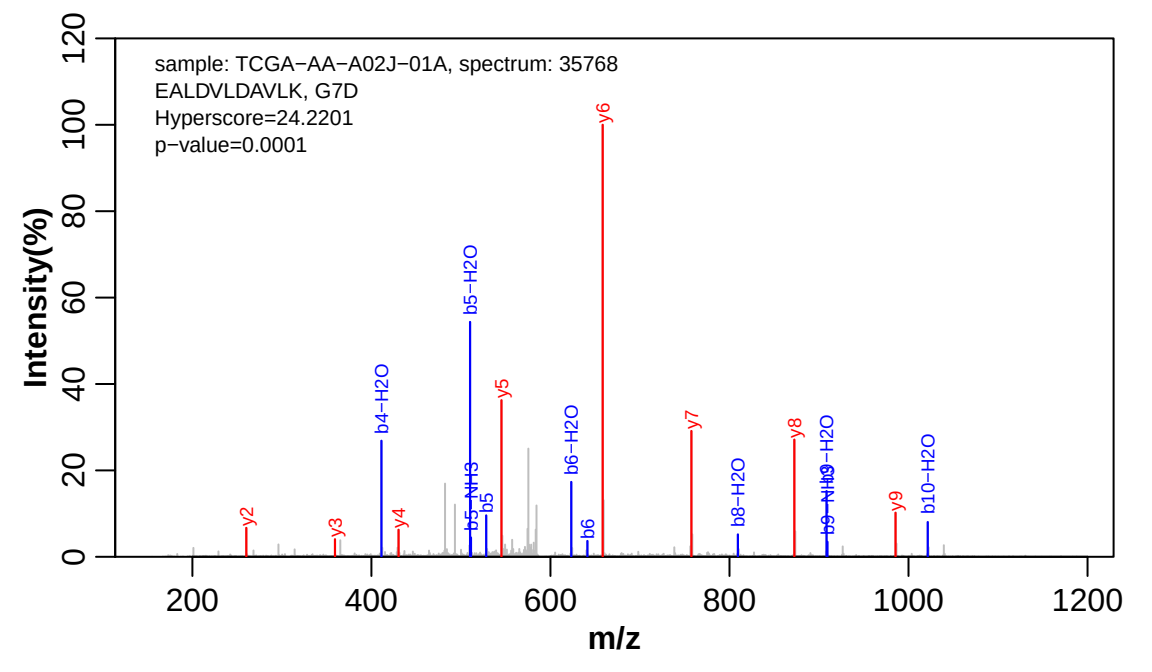

sample: TCGA−AA−A02J−01A, spectrum: 104326
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=40.3453
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
b5
b6−H2O
b6
b7−NH3
b7
b8−H2O
b8−NH3
b8
y8
y8−NH3
y8−H2O
b9−H2O
b9
y9−NH3
y9−H2O
b10−H2O
b10
y9
y10−H2O
y10−NH3
y10
y11−H2O
y11
y12−NH3
y12
b13
y13

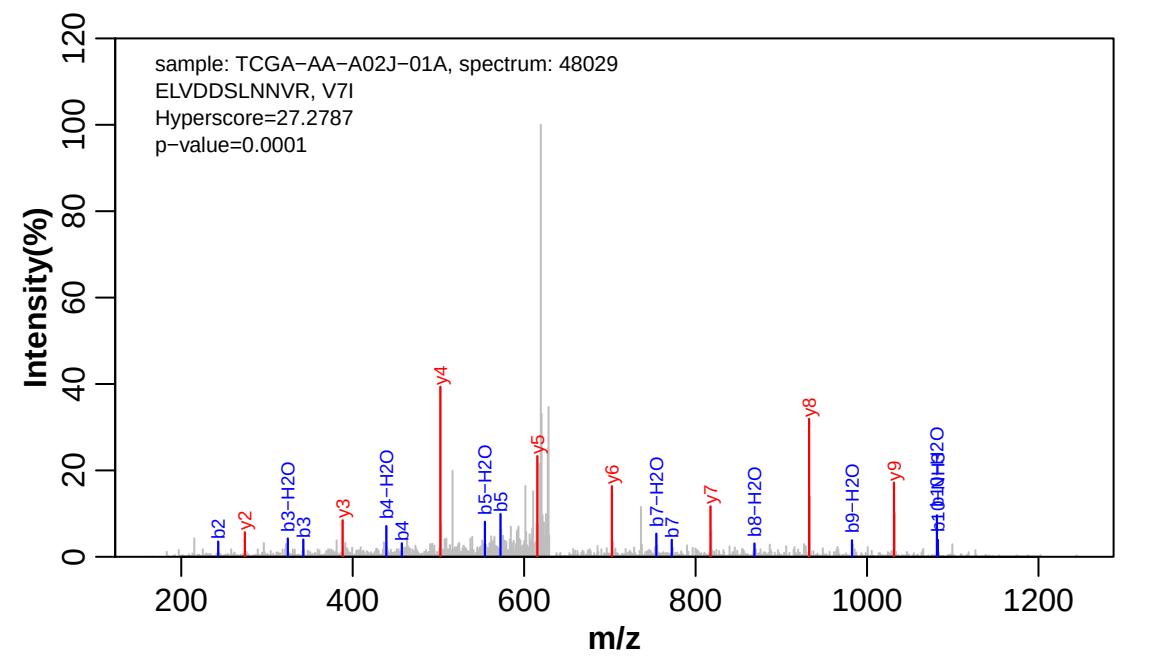

sample: TCGA−AA−A02J−01A, spectrum: 11908
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=36.0821
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4−NH3
y4
b4
b5
y6−H2O
y6
b6−H2O
b6
y7
y8
b8
y9
b9
b10
y11−NH3
y11
b11
y12−NH3
y12
b12
b13
y14

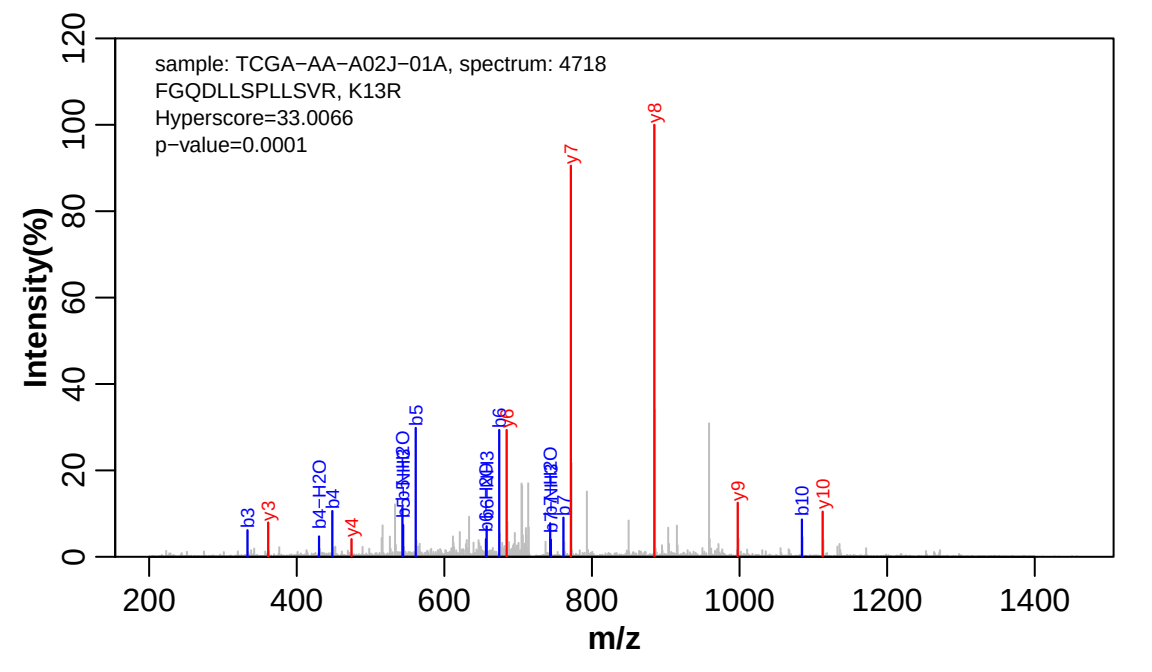

sample: TCGA−AA−A02J−01A, spectrum: 100351
DGYGFLNR, N1D
Hyperscore=28.9443
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3
b4−H2O
y3−NH3
y3
b4
b5−H2O
b5
y4
y5
b6−H2O
b6
b7

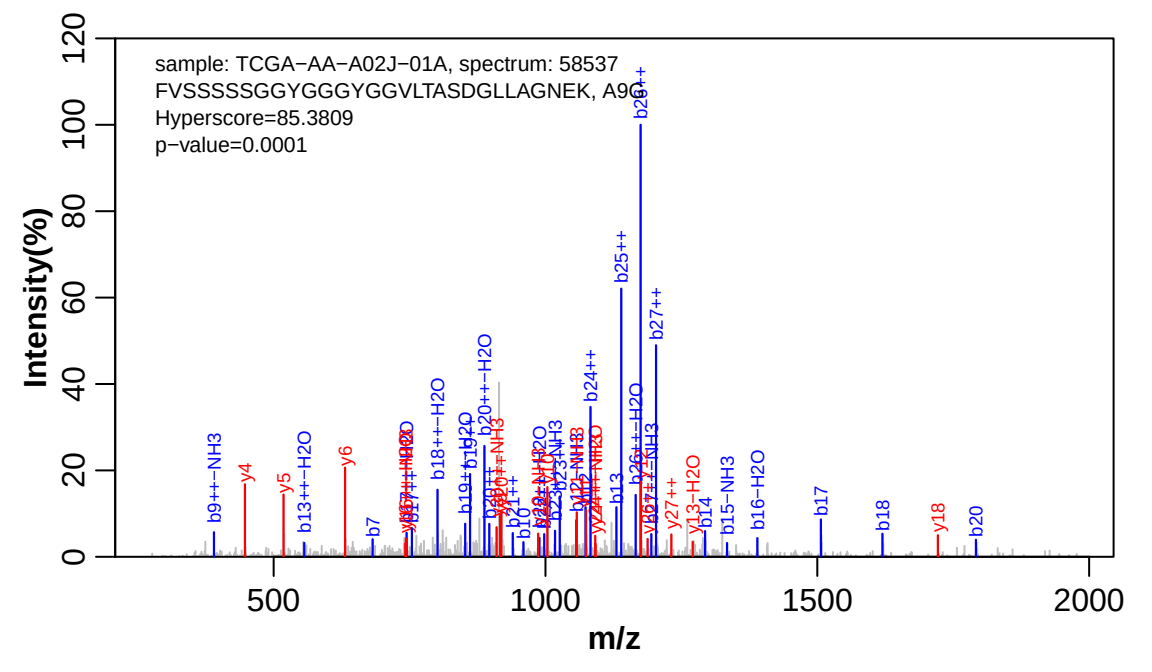

sample: TCGA−AA−A02J−01A, spectrum: 2332
DTCVQSPLSSFPR, C13R
Hyperscore=28.1667
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3−H2O
b3
y3
b4
y4
y5
b5
b6−NH3
b6
y6
y7
y8
y8−H2O
b8
b9
y9−H2O
y9
b10
y10
b11−NH3
b11

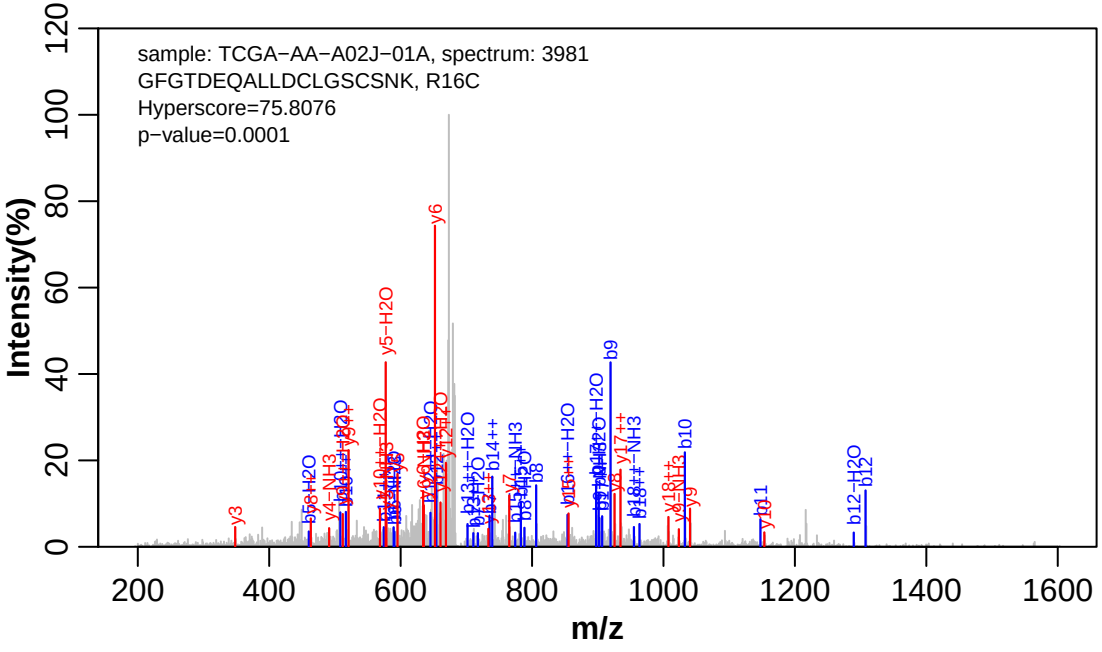

sample: TCGA−AA−A02J−01A, spectrum: 78439
DVDGLTSLNAGR, K12R
Hyperscore=23.3645
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
b4
y4
b5
y5−NH3
y5
b6−H2O
y6−H2O
y6−NH3
y6
b7−H2O
b7
y7
b8−H2O
b8
y8
y9
b10
y10

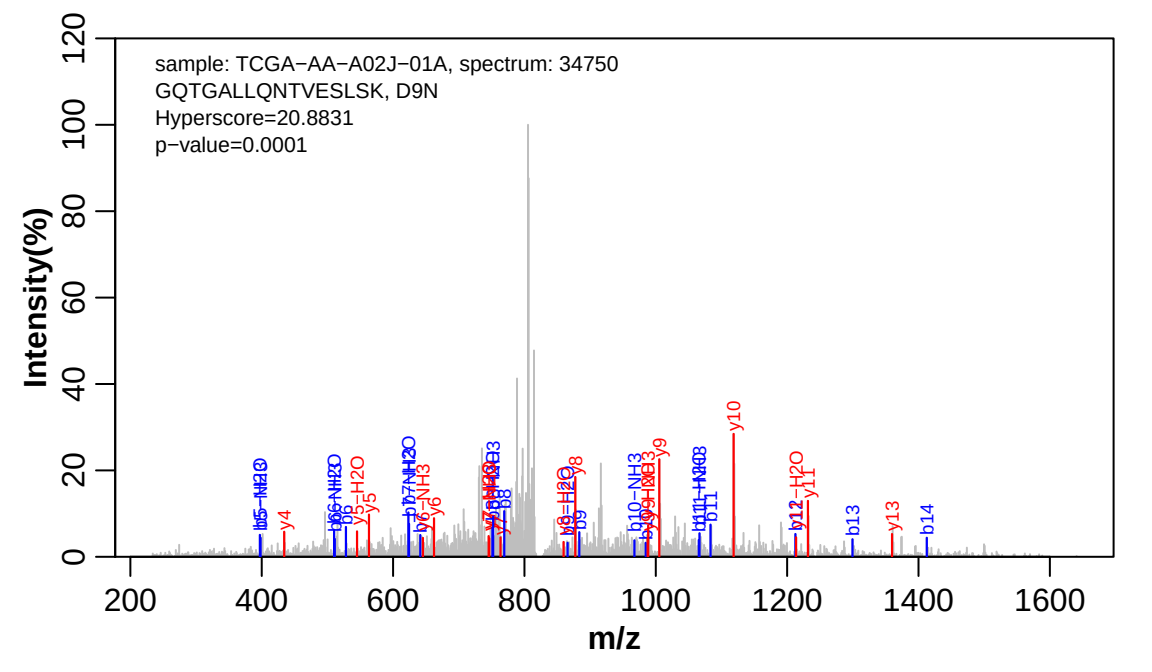

sample: TCGA−AA−A02J−01A, spectrum: 35768
EALDVLDAVLK, G7D
Hyperscore=24.2201
p−value=0.0001
Intensity(%)
m/z
y6
b5−H2O
y5
b4−H2O
b6−H2O
y7
y8
b8−H2O
b9−H2O
b10−H2O
y9
y2
y3
y4
b5−NH3
b5
b6
0
20
40
60
80
100
120
200
400
600
800
1000
1200

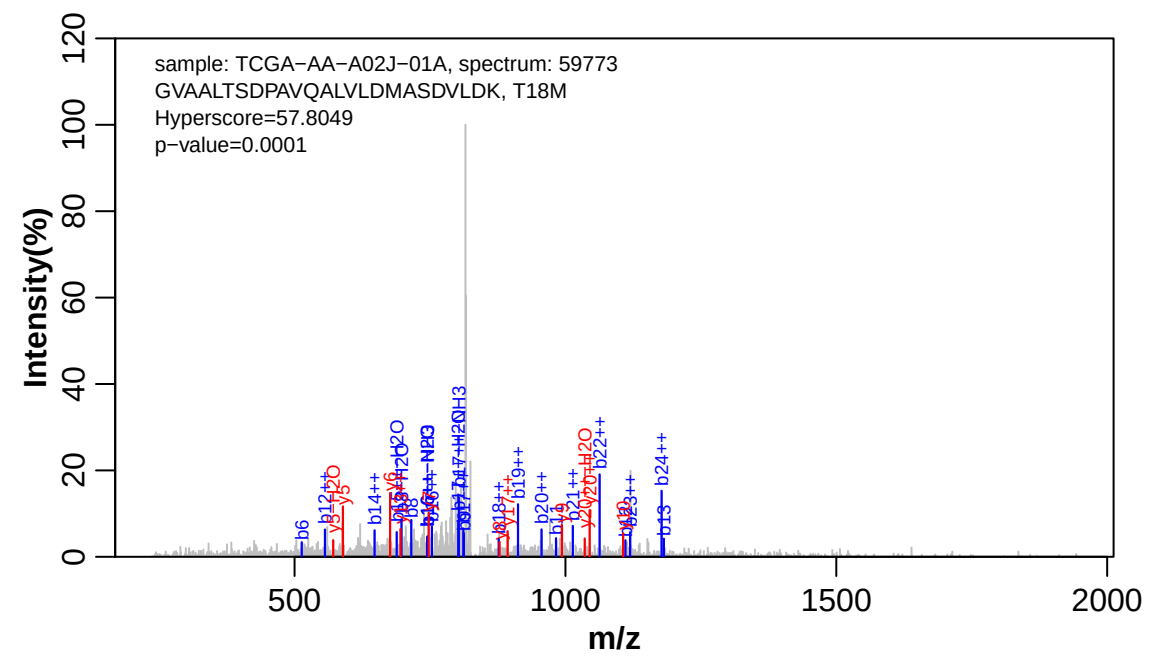

sample: TCGA−AA−A02J−01A, spectrum: 48029
ELVDDSLNNVR, V7I
Hyperscore=27.2787
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7
b8−H2O
y8
b9−H2O
y9

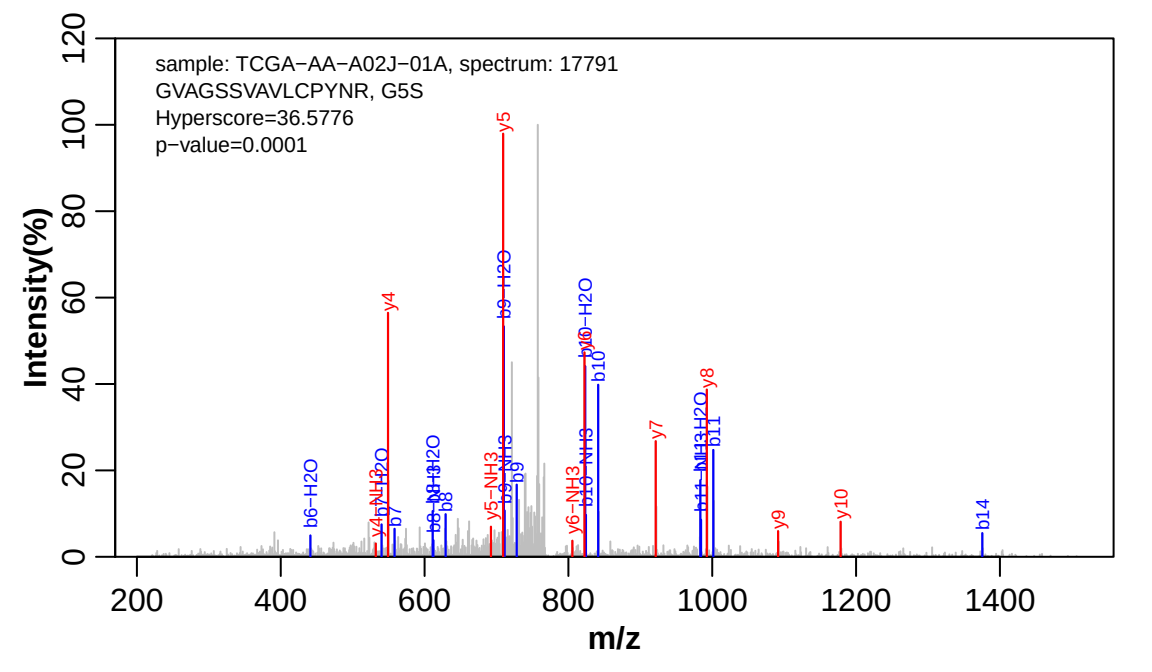

sample: TCGA−AA−A02J−01A, spectrum: 4718
FGQDLLSPLLSVR, K13R
Hyperscore=33.0066
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5
y7
y8
b10
y9
y10

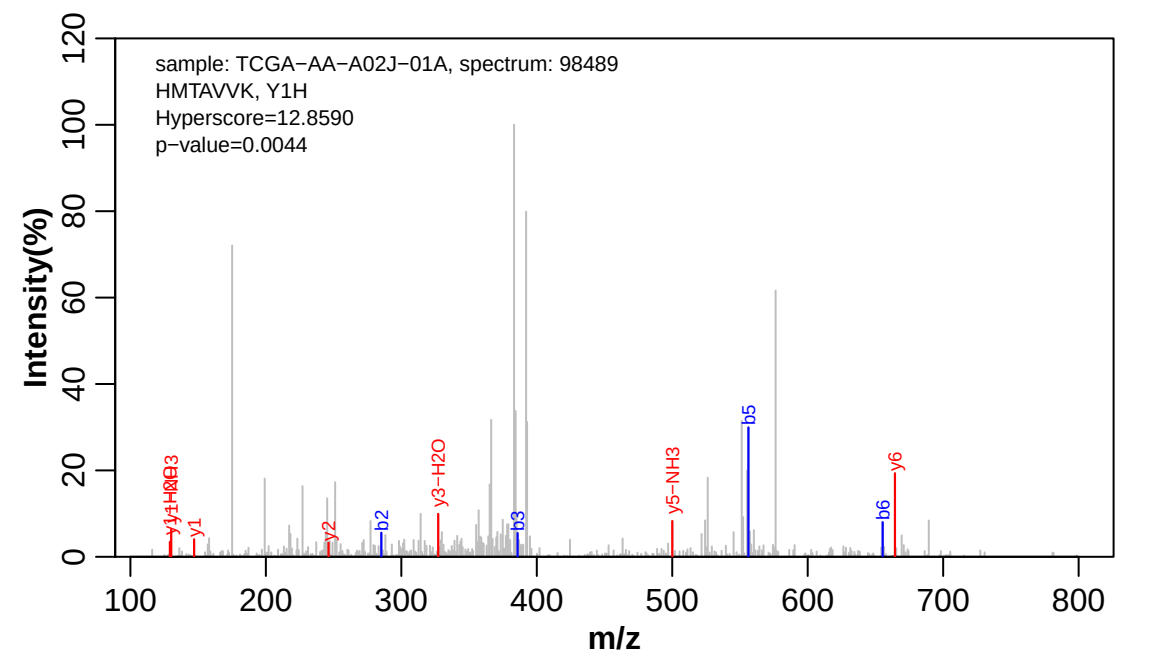

sample: TCGA−AA−A02J−01A, spectrum: 58537
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A961
Hyperscore=85.3809
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
b13++−H2O
y6
b7
b18++−H2O
b19++−H2O
b20++−H2O
b21++
b10
b24++
b25++
b13
b26++−H2O
b27++
y27++
y13−H2O
b14
b15−NH3
b16−H2O
b17
b18
y18
b20

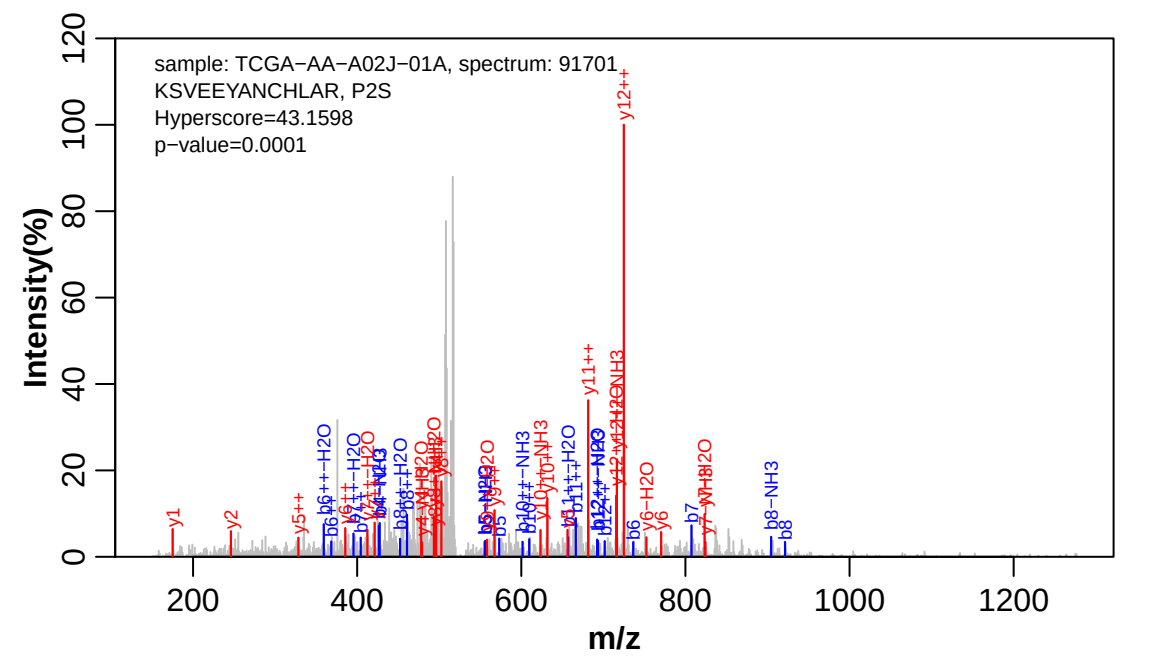

sample: TCGA−AA−A02J−01A, spectrum: 3981
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=75.8076
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
y6
y5−H2O
b9
b10
b12
b12−H2O
y9
y10
y11

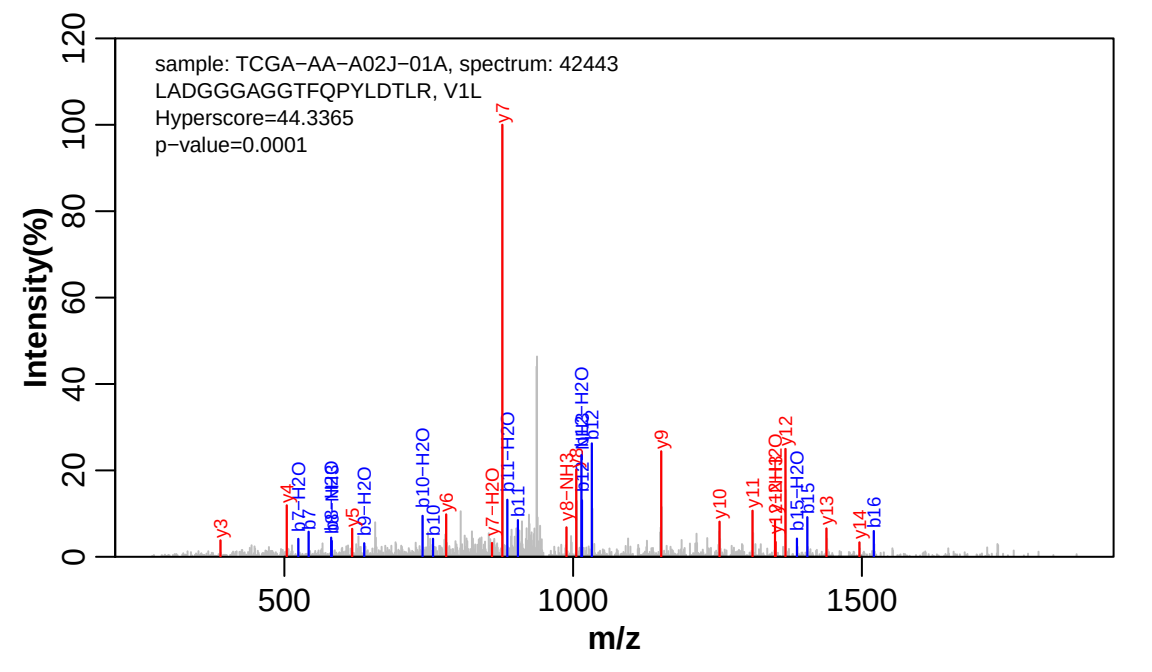

sample: TCGA−AA−A02J−01A, spectrum: 34750
GQTGALLQNTVESLSK, D9N
Hyperscore=20.8831
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4
y5−H2O
y6−NH3
y8
y9
y10
y11−H2O
b13
y13
b14

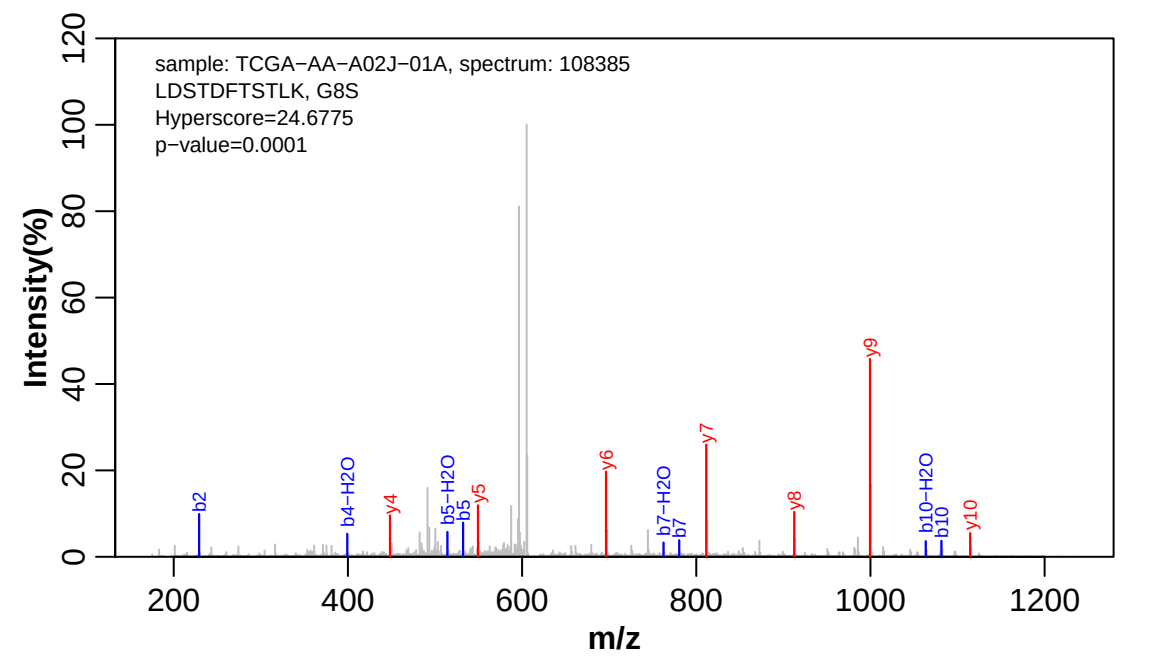

sample: TCGA−AA−A02J−01A, spectrum: 59773
GVAALTSDPAVQALVLDMASDVLDK, T18M
Hyperscore=57.8049
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
b6
b12++
y5
y5−H2O
b14++
y6
b8
b16++−NH3
b17++−H2O
b17++−NH3
b18++
y17++
b19++
b20++
b21++
y20++−H2O
b22++
b23++
b24++
b13

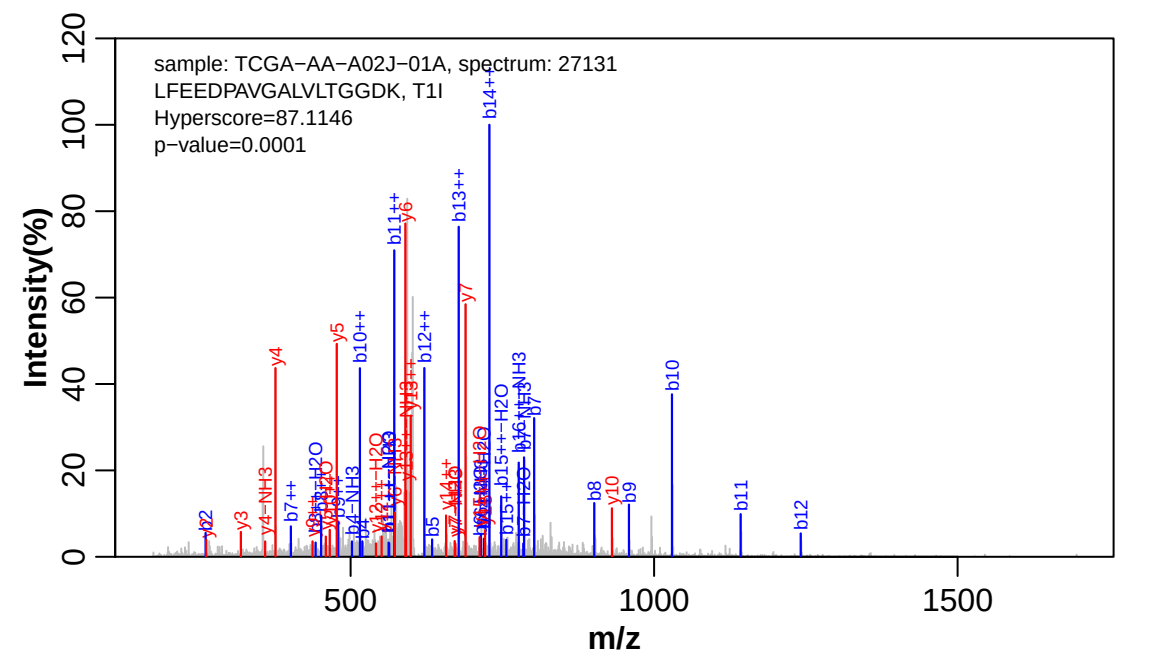

sample: TCGA−AA−A02J−01A, spectrum: 17791
GVAGSSVAVLCPYNR, G5S
Hyperscore=36.5776
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
b10
y8
y7
b11
y10
y9
b14
b6−H2O
y5−NH3
y6−NH3
b10−NH3
b11−H2O
b11−NH3
b9
b8
b7
y4−NH3
y4−H2O
b6−NH3
b6−H2O

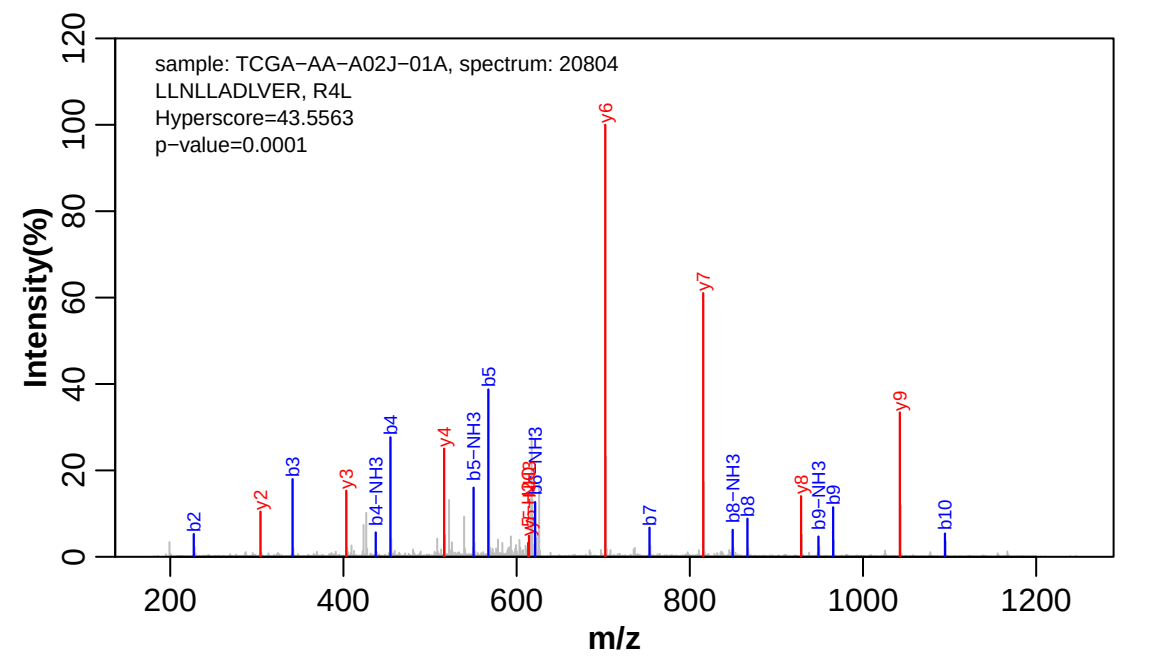

sample: TCGA−AA−A02J−01A, spectrum: 98489
HMTAVVK, Y1H
Hyperscore=12.8590
p−value=0.0044
Intensity(%)
m/z
y1
y2
b2
y3−H2O
b3
y5−NH3
b5
b6
y6

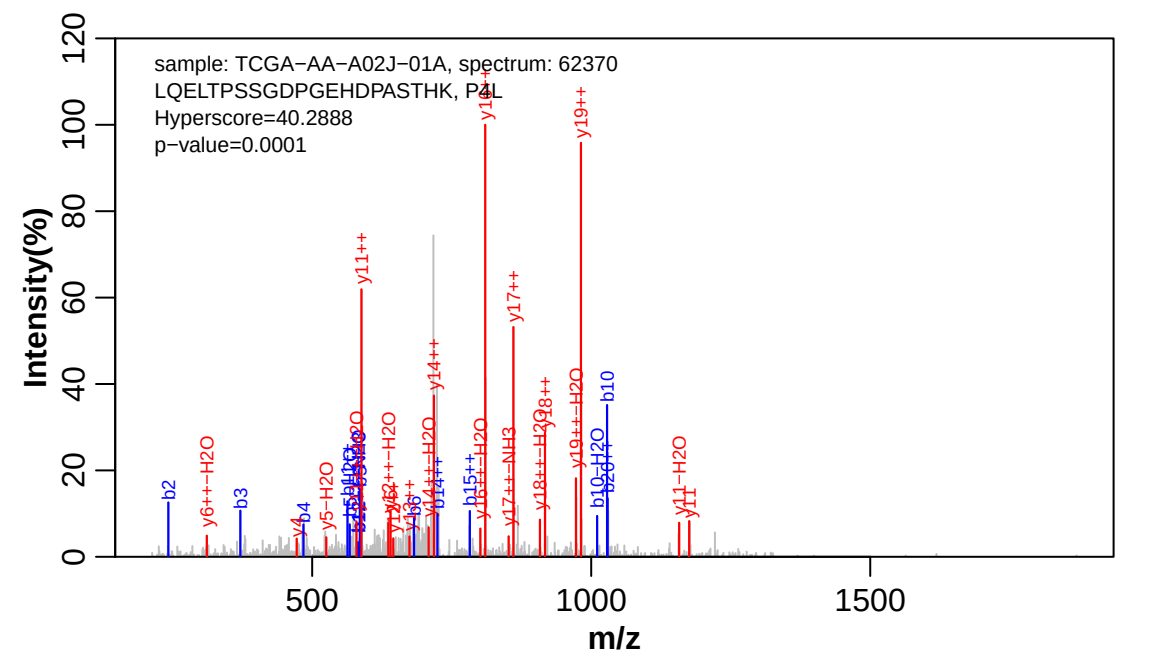

sample: TCGA−AA−A02J−01A, spectrum: 91701
KSVEEYANCHLAR, P2S
Hyperscore=43.1598
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
y2
y5++
b6++−H2O
b6++
y6++−H2O
y6++
b7++−H2O
b7++
b8++−H2O
b8++
b4−NH3
y4−NH3
y4−H2O
y4
b5−NH3
b5−H2O
b5
b10++−NH3
y10++−NH3
b11++−H2O
b11++
y11++
y12++−NH3
y12++−H2O
y12++
b6
y6−H2O
y6
b7
y7−NH3
y7−H2O
b8−NH3
b8

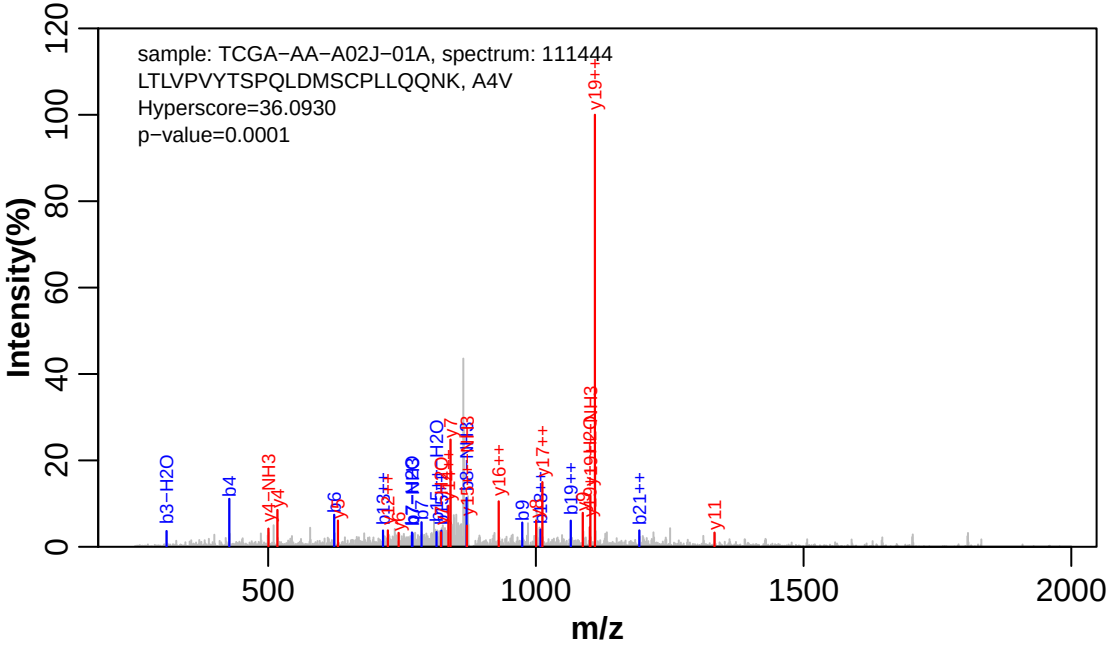

sample: TCGA−AA−A02J−01A, spectrum: 42443
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=44.3365
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y7
y9
y10
y11
y12
y13
y14
b16
y6
y5
y4
y3
b10−H2O
b11−H2O
y7−H2O
y8−NH3
b15−H2O

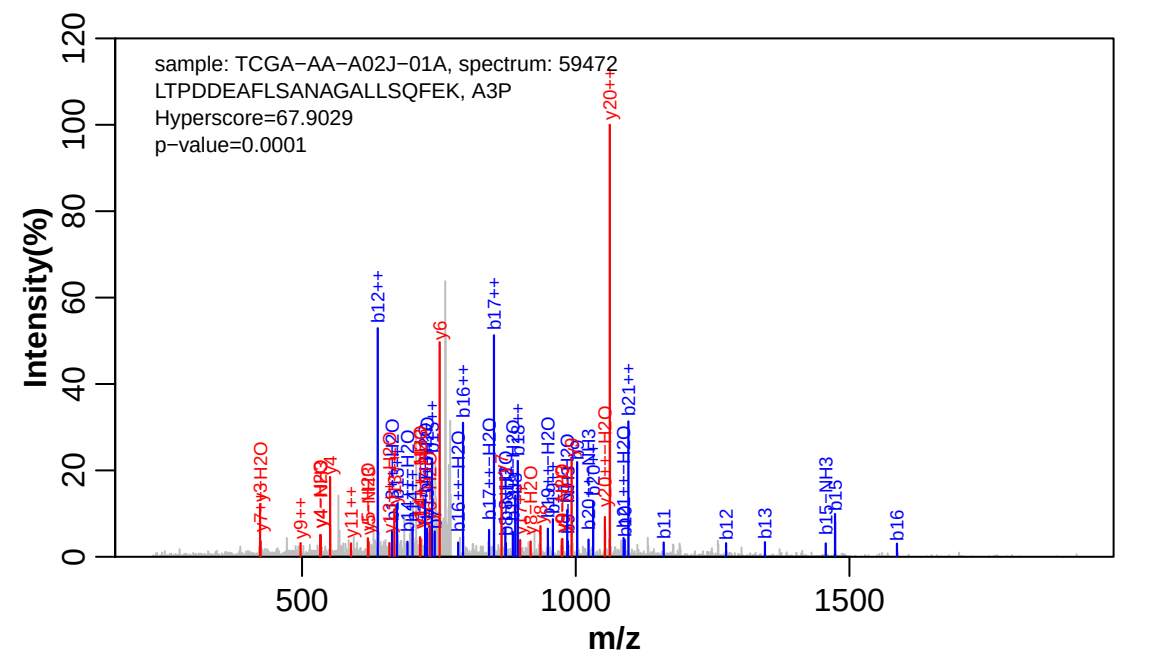

sample: TCGA−AA−A02J−01A, spectrum: 108385
LDSTDFTSTLK, G8S
Hyperscore=24.6775
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7
y8
y9
b10−H2O
b10
y10

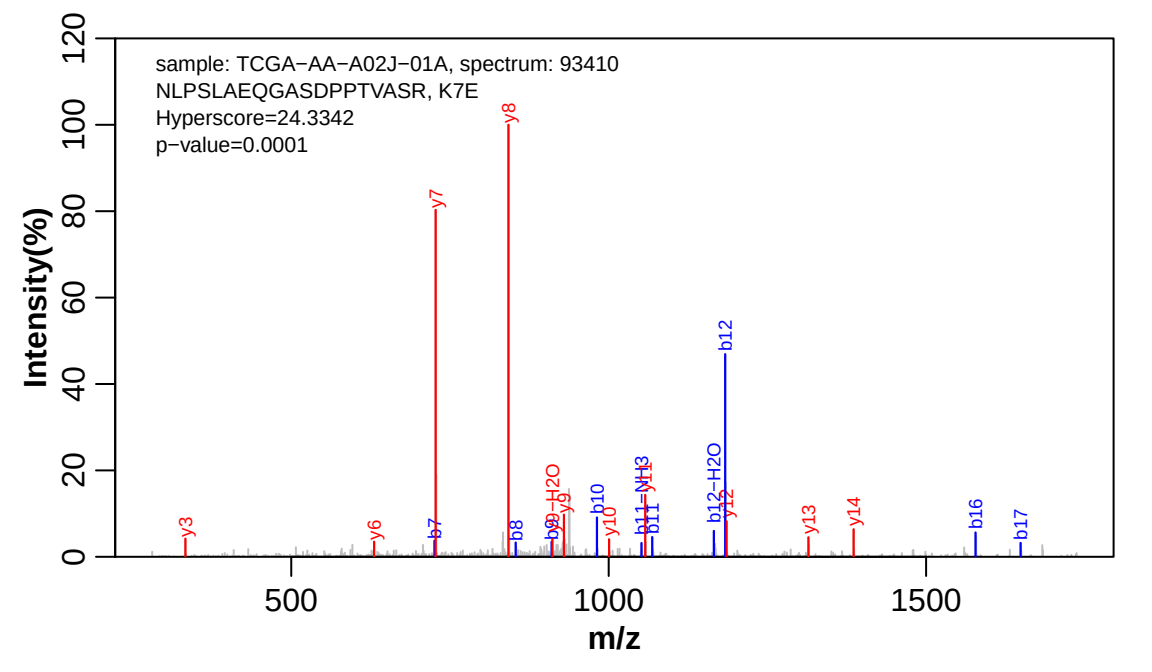

sample: TCGA−AA−A02J−01A, spectrum: 27131
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=87.1146
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b14++
b13++
b11++
y6
y7
y5
y4
b10++
b12++
b10
b11
b12
b8
y10
b9
b7
y2
y3
b5

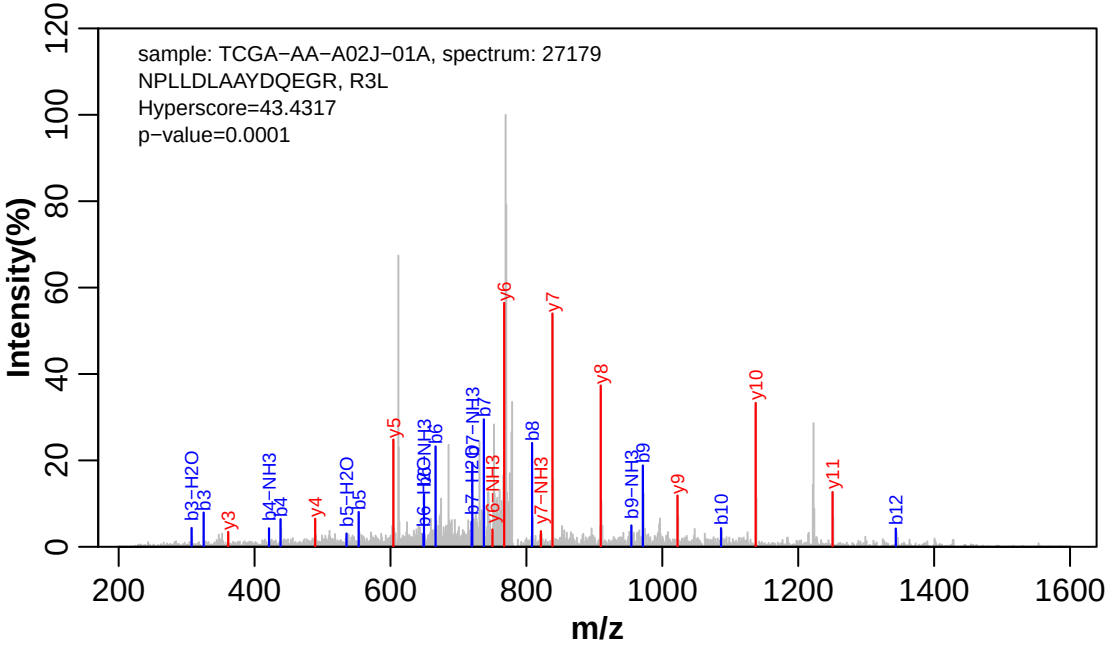

sample: TCGA−AA−A02J−01A, spectrum: 20804
LLNLLADLVER, R4L
Hyperscore=43.5563
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
b8−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

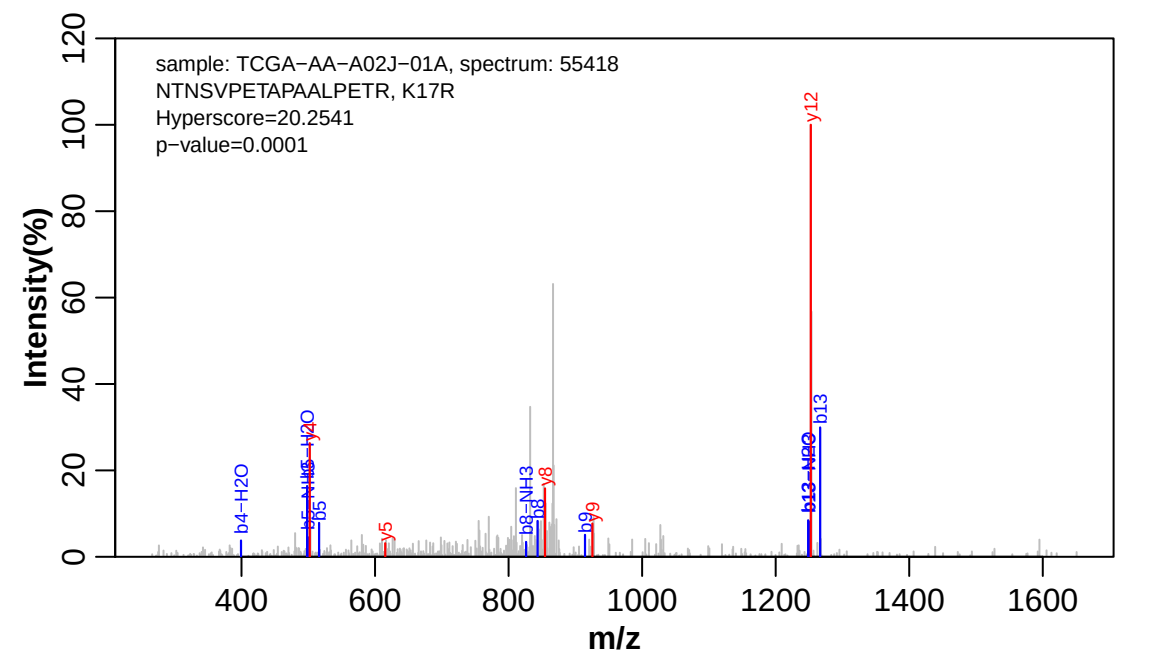

sample: TCGA−AA−A02J−01A, spectrum: 62370
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=40.2888
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y6++−H2O
b3
b4
y5−H2O
y11++
y14++
y15++
y16++−H2O
y17++−NH3
y17++
y18++−H2O
y18++
y19++−H2O
y19++
b10
b10−H2O
y11−H2O
y11

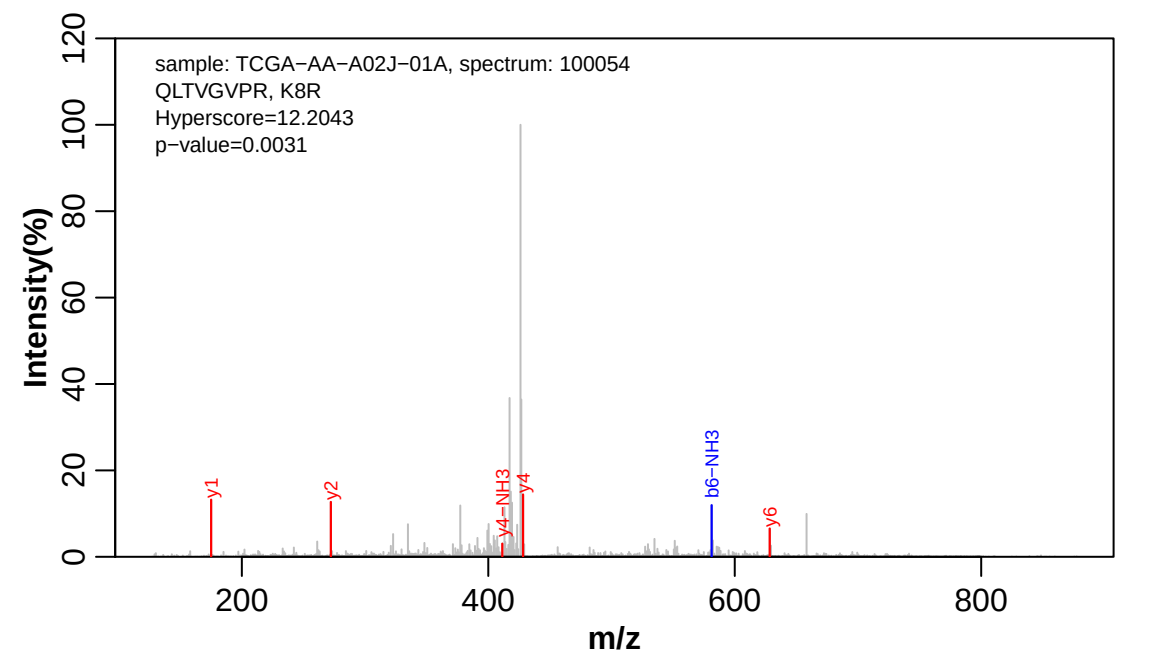

sample: TCGA−AA−A02J−01A, spectrum: 111444
LTLVPVYTSPQLDMSCPLLQQNK, A4V
Hyperscore=36.0930
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b4
y4−NH3
y4
b6
y6
b12++
y7
y16++
b9
y17++
b19++
y19++
b21++
y11

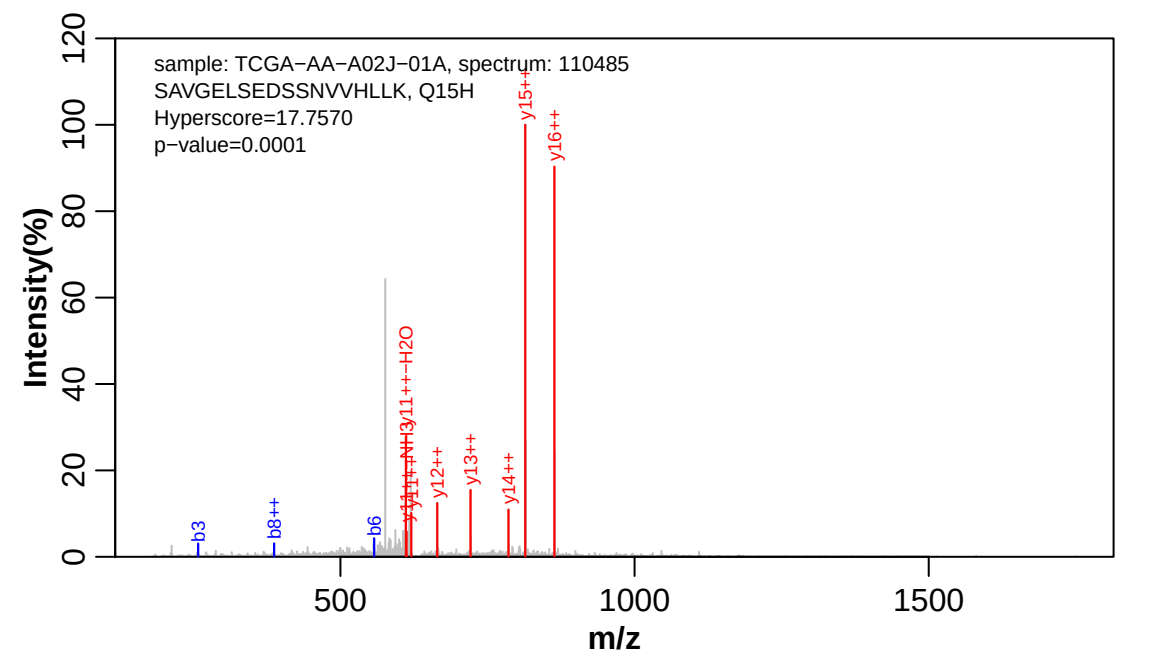

sample: TCGA−AA−A02J−01A, spectrum: 59472
LTPDDEAFLSANAGALLSQFEK, A3P
Hyperscore=67.9029
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y20++
b12++
y6
b17++
b16++
b21++
y7++y3H2O
y9++
y4−NH3
y4
y11++
y5−NH3
b11
b12
b13
b15−NH3
b15
b16

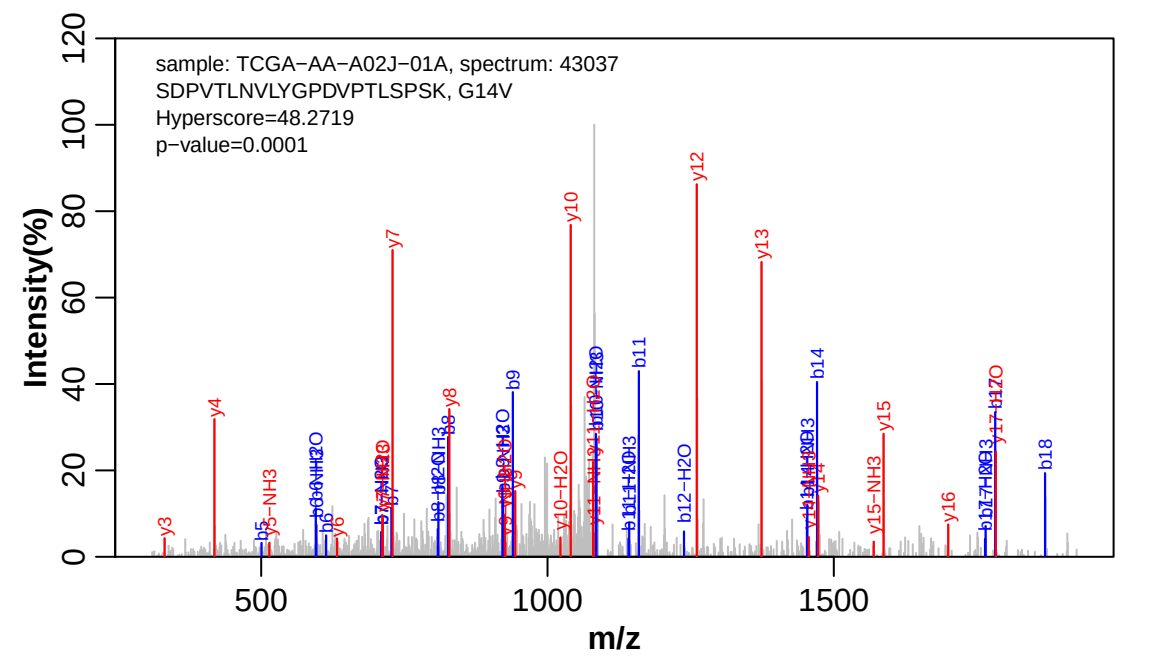

sample: TCGA−AA−A02J−01A, spectrum: 93410
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=24.3342
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y6
b7
y7
y8
b8
b9−H2O
y9
b10
y10
b11−NH3
b11
y11
b12
b12−H2O
y12
y13
y14
b16
b17

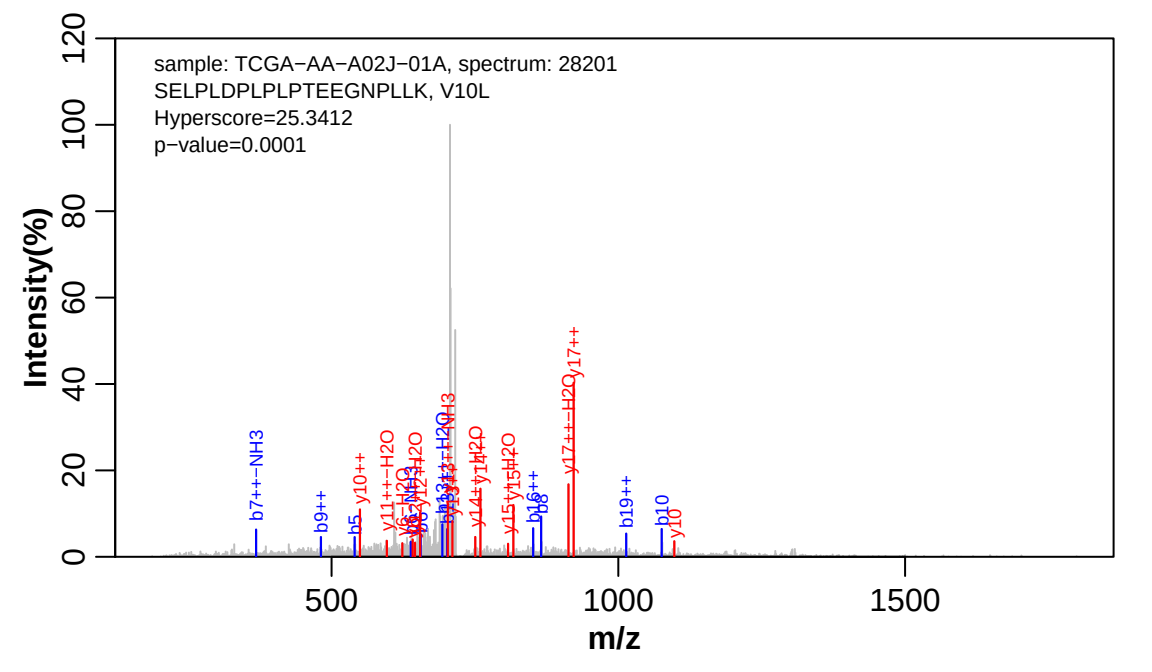

sample: TCGA−AA−A02J−01A, spectrum: 27179
NPLLDLAAYDQEGR, R3L
Hyperscore=43.4317
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
y3
b4−NH3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6−NH3
b6
b7−H2O
b7−NH3
b7
y6−NH3
y6
y7
b8
y7−NH3
y8
b9−NH3
b9
y9
b10
y10
y11
b12

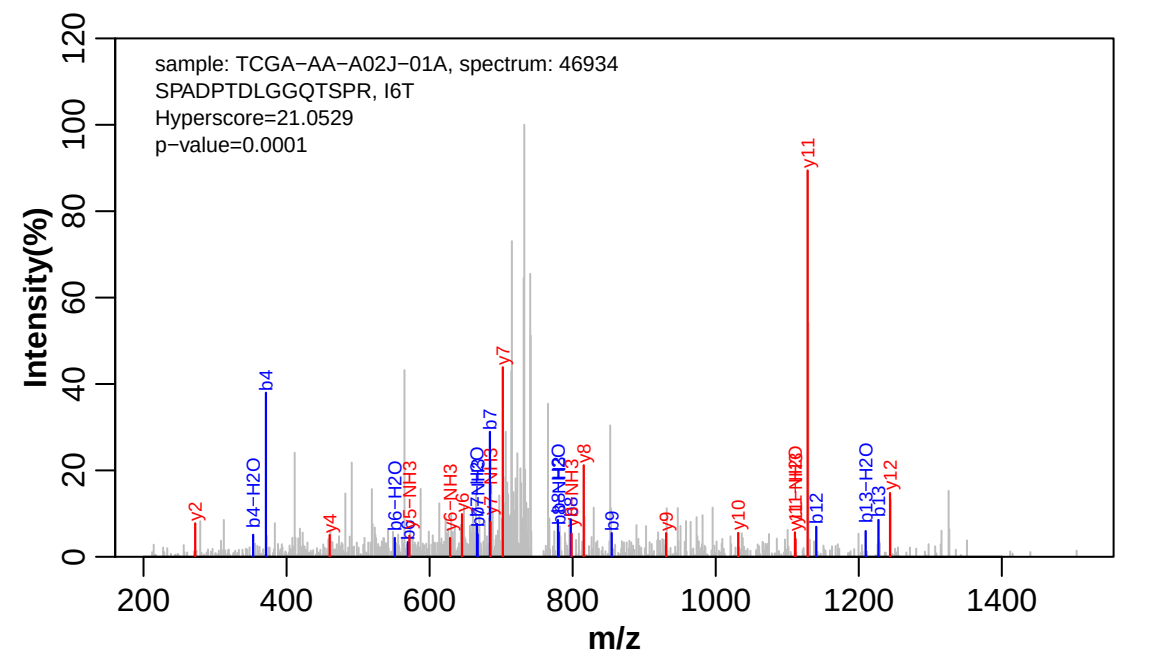

sample: TCGA−AA−A02J−01A, spectrum: 55418
NTNSVPETAPAALPETR, K17R
Hyperscore=20.2541
p−value=0.0001
Intensity(%)
m/z
y12
b13
y8
y9
y5
b4−H2O
b5
b8−NH3
b8
b9
b12−H2O
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600

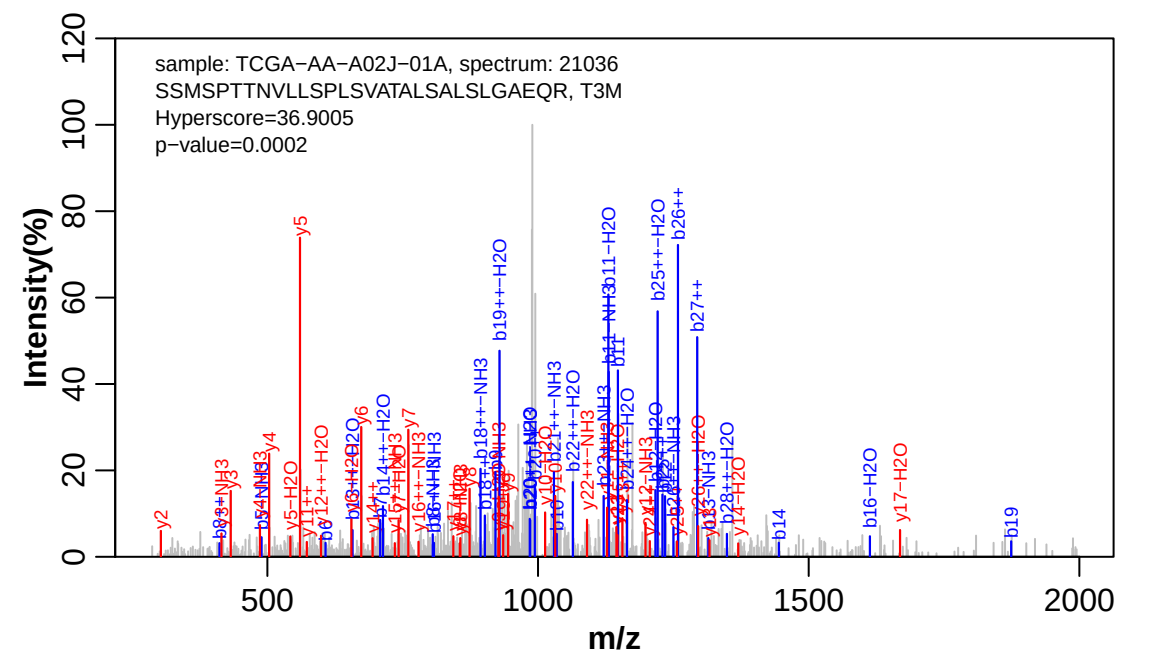

sample: TCGA−AA−A02J−01A, spectrum: 100054
QLTVGVPR, K8R
Hyperscore=12.2043
p−value=0.0031
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
y2
y4−NH3
y4
b6−NH3
y6

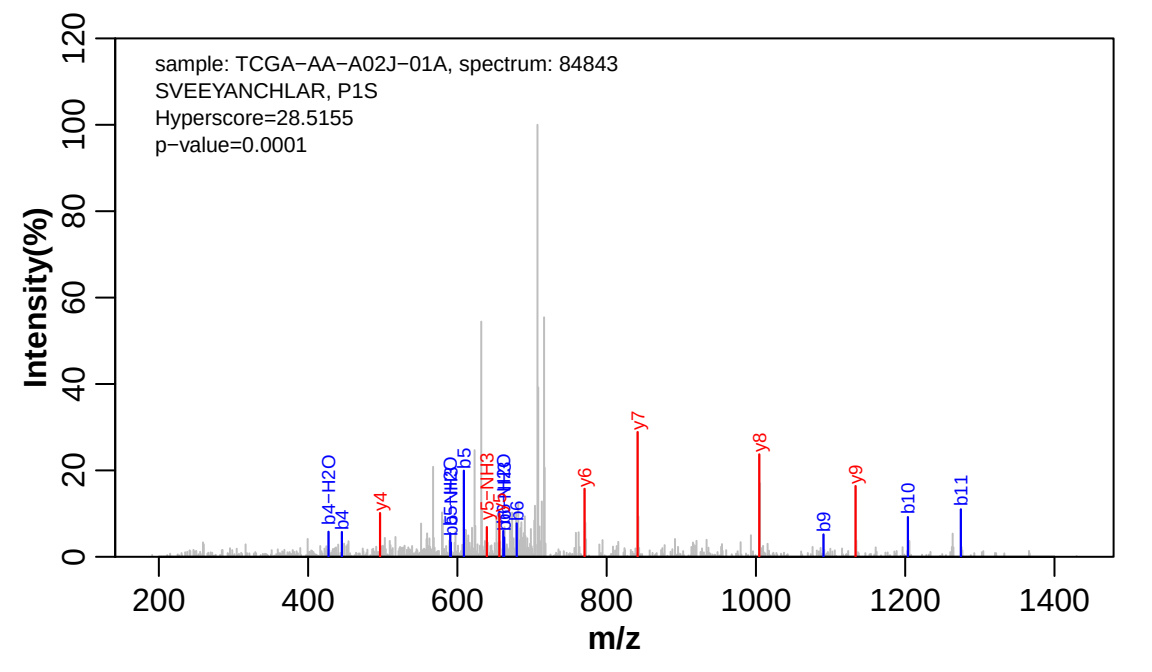

sample: TCGA−AA−A02J−01A, spectrum: 110485
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7570
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b8++
b6
y11++−NH3
y11++−H2O
y12++
y13++
y14++
y15++
y16++

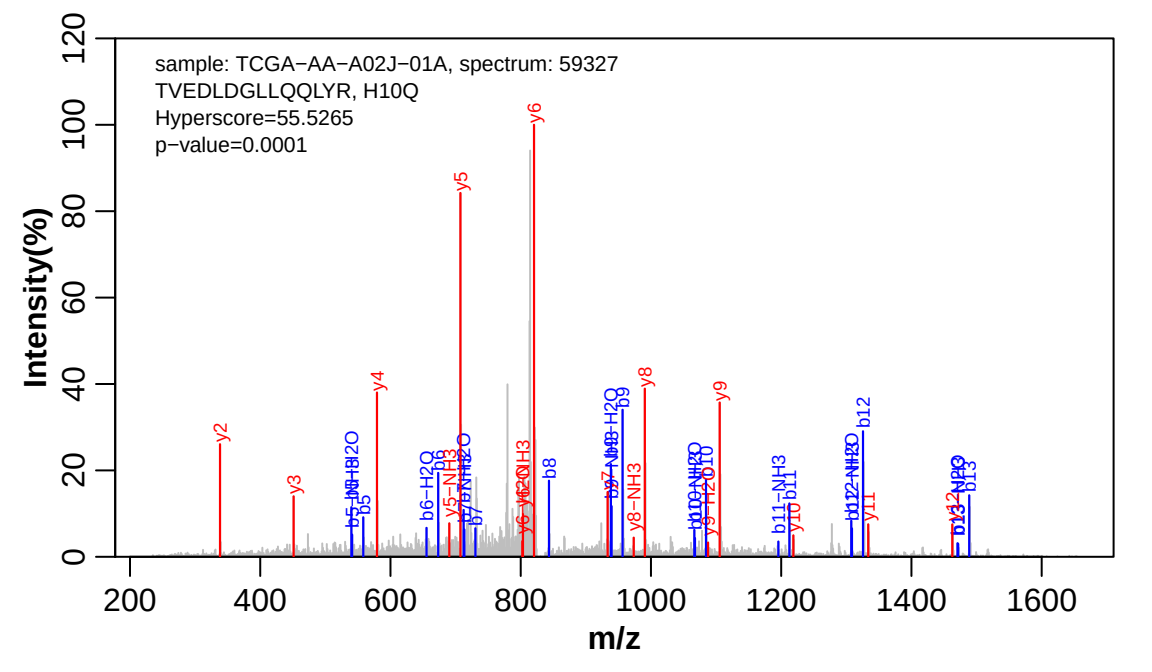

sample: TCGA−AA−A02J−01A, spectrum: 43037
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=48.2719
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5−NH3
y6
y7
y8
y10
y10−H2O
y12
y13
y15
y15−NH3
y16
b5
b6
b9
b11
b12−H2O
b14
b18

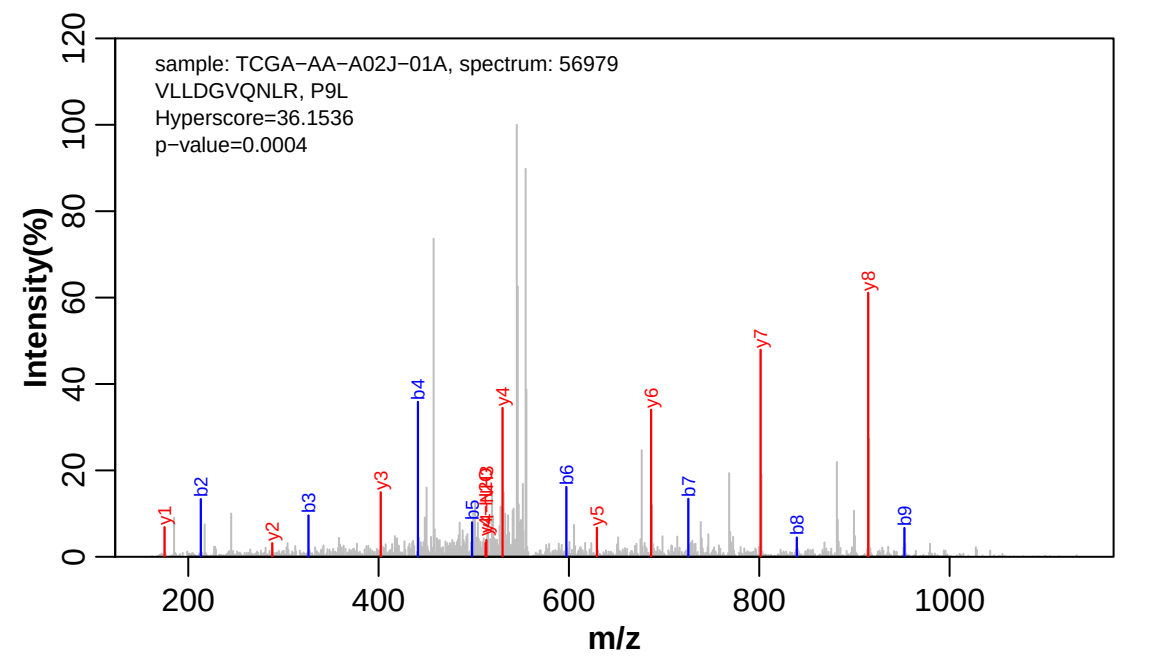

sample: TCGA−AA−A02J−01A, spectrum: 28201
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=25.3412
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b7++−NH3
b9++
b5
y10++
y11++−H2O
y6−H2O
y6−NH3
y12++−H2O
b8
b13++−H2O
b13++−NH3
y14++−H2O
y15++−H2O
b16++
b18
y17++−H2O
y17++
b19++
b10
y10

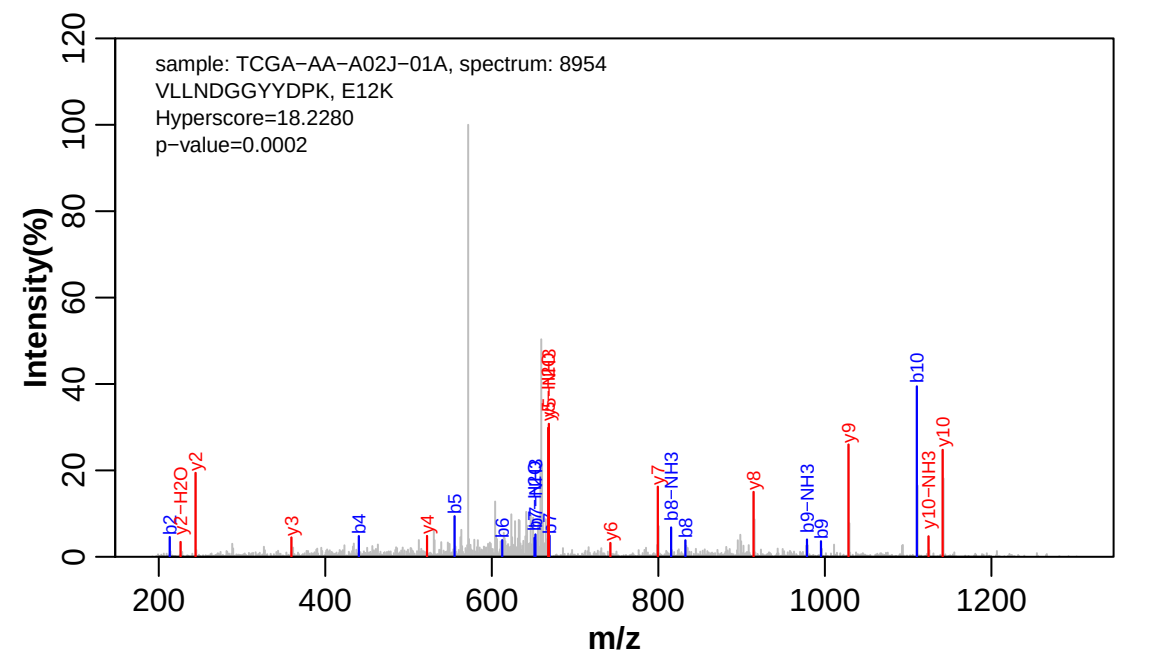

sample: TCGA−AA−A02J−01A, spectrum: 46934
SPADPTDLGGQTSPR, I6T
Hyperscore=21.0529
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y11
b4
y7
b7
y8
y2
b4−H2O
y4
b6−H2O
b6−NH3
y6−NH3
y10
b12
b13−H2O
b13
y12
b9
y9

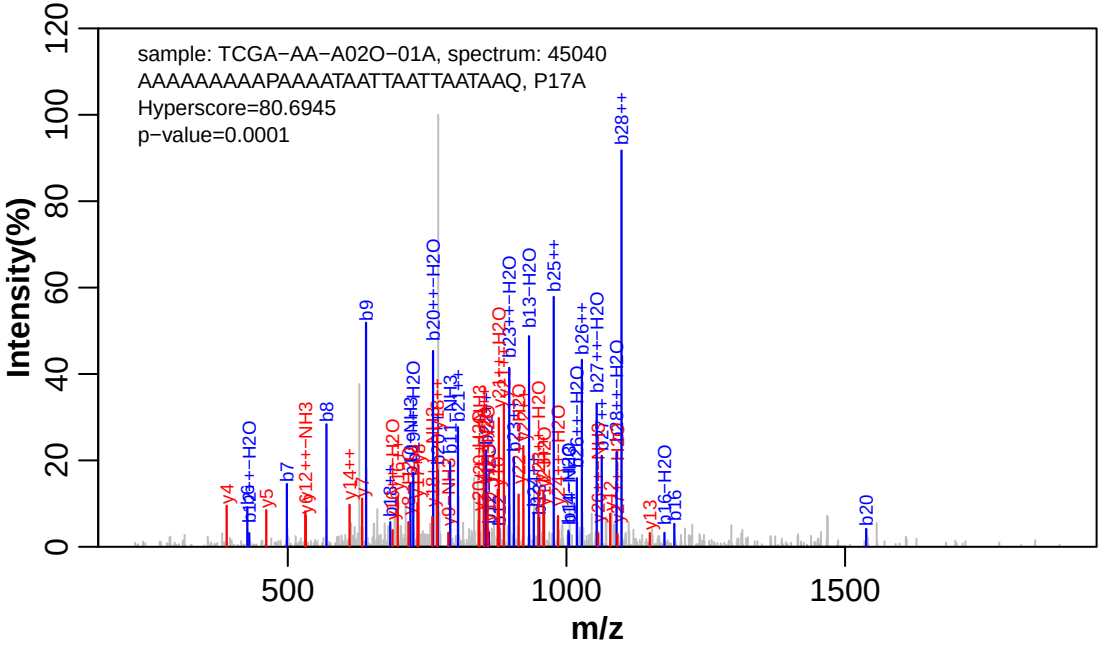

sample: TCGA−AA−A02J−01A, spectrum: 21036
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=36.9005
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b3++−NH3
y3
b5++−NH3
y4
y5−H2O
y5
y11++
b12++−H2O
b6
b8++−H2O
y6
y14++
y7
b14++−H2O
y16++−NH3
b16−NH3
b18++−NH3
b18++
b19++−H2O
b20++−NH3
b21++−NH3
b22++−H2O
y22++−NH3
b11−NH3
b11
b25++−H2O
b26++
b27++
y13−NH3
b28++−H2O
y14−H2O
b14
b16−H2O
y17−H2O
b19

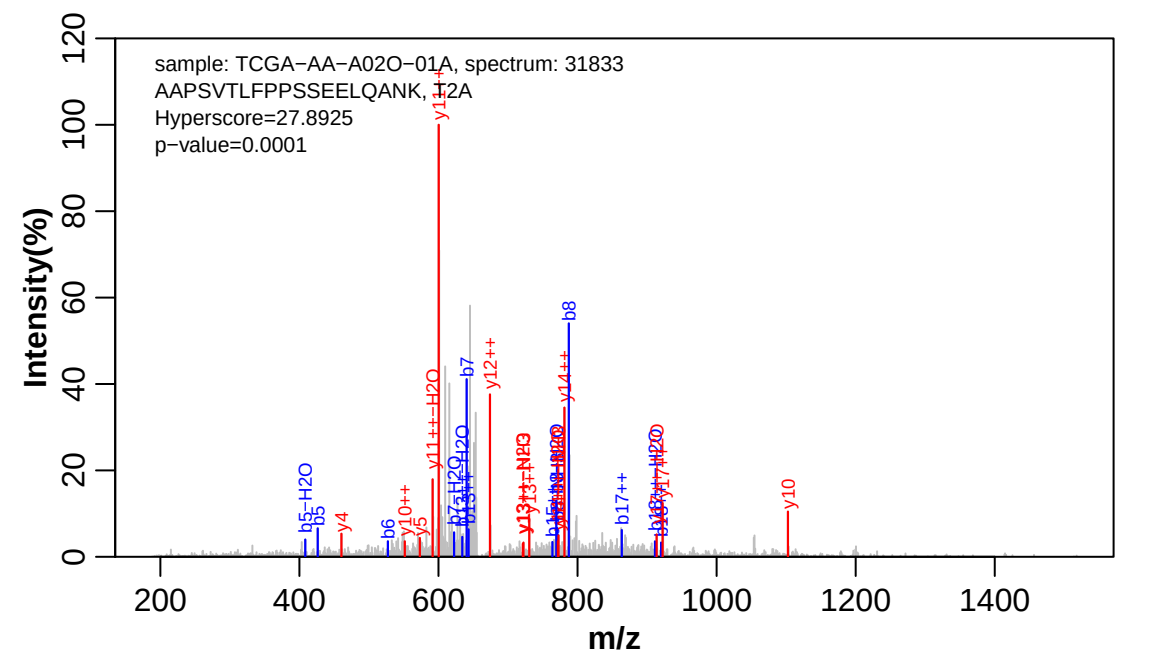

sample: TCGA−AA−A02J−01A, spectrum: 84843
SVEEYANCHLAR, P1S
Hyperscore=28.5155
p−value=0.0001
Intensity(%)
m/z
b4−H2O
b4
y4
b5
y5−NH3
b6
y6
y7
y8
b9
y9
b10
b11

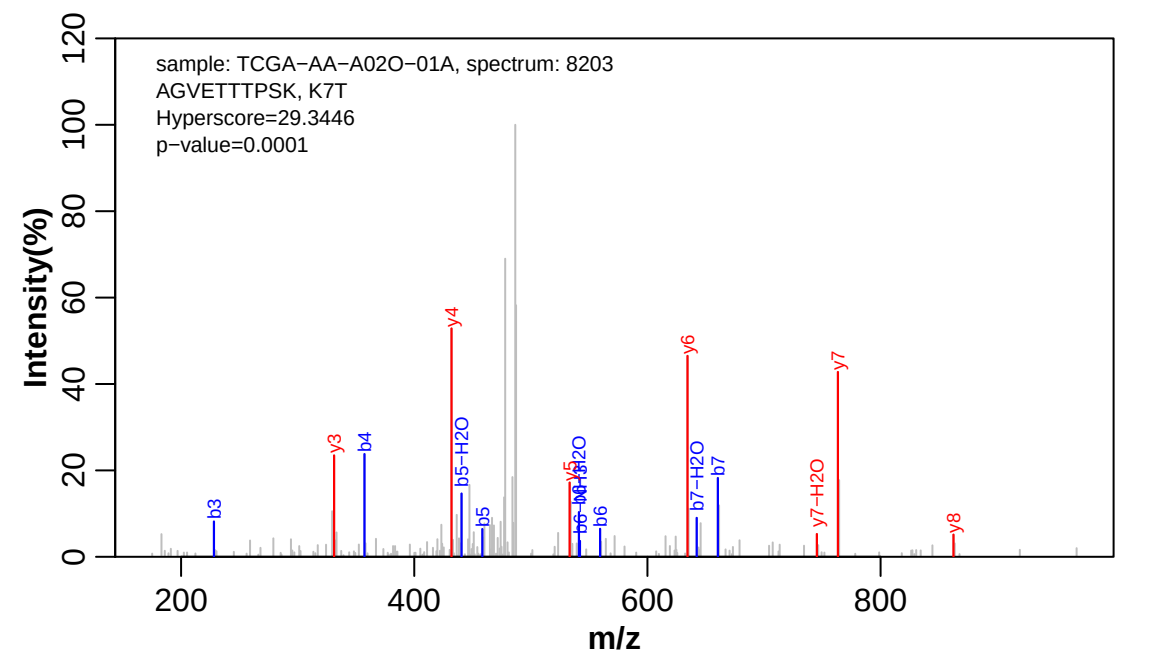

sample: TCGA−AA−A02J−01A, spectrum: 59327
TVEDLDGLLQQLYR, H10Q
Hyperscore=55.5265
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4
y5
y6
y8
y9
b5
b6−H2O
b8
b9
b11−NH3
b12
y8−NH3
y10
y11
b13

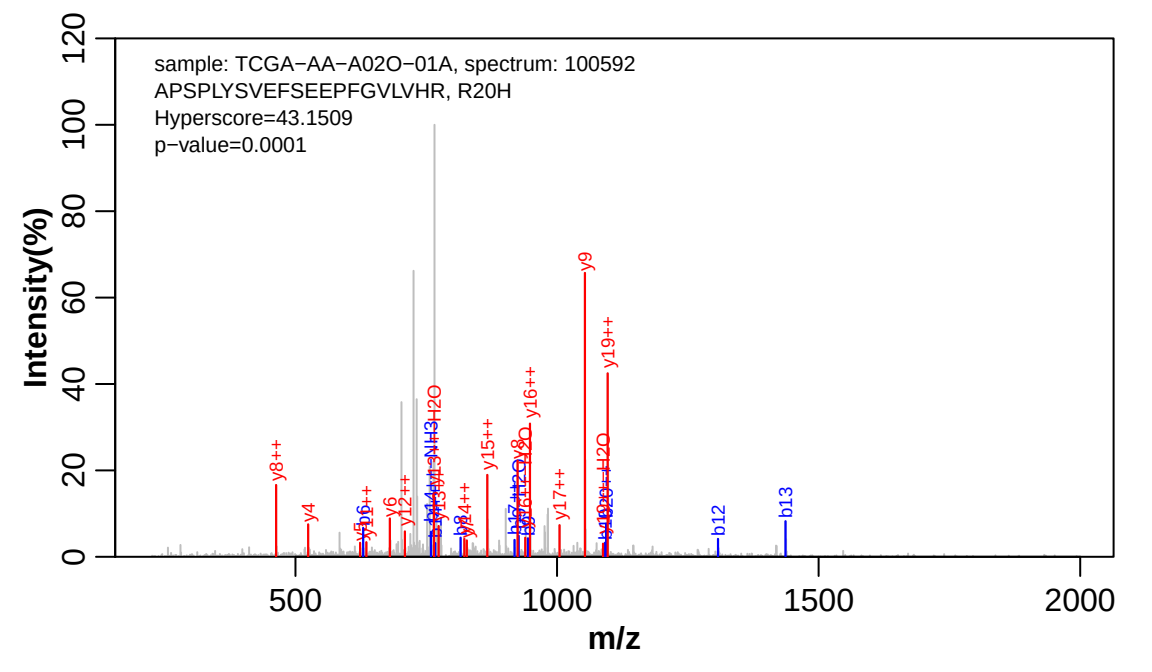

sample: TCGA−AA−A02J−01A, spectrum: 56979
VLLDGVQNLR, P9L
Hyperscore=36.1536
p−value=0.0004
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y1
b2
b3
y2
y3
b4
b5
y4
b6
y5
y6
b7
b8
y7
y8
b9

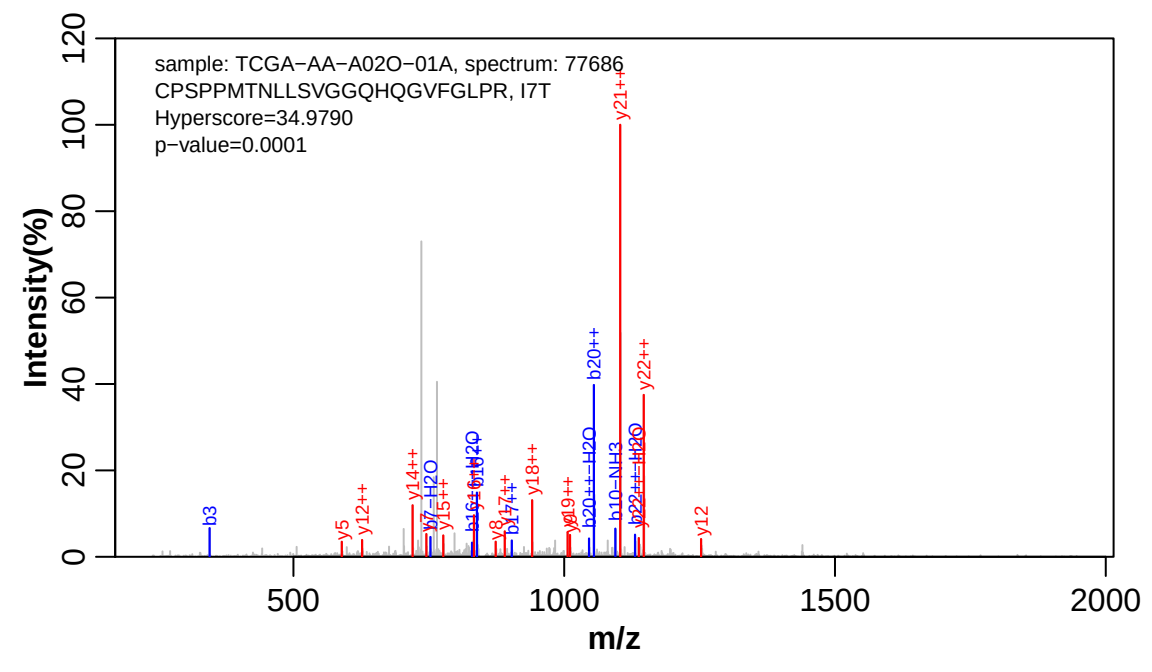

sample: TCGA−AA−A02J−01A, spectrum: 8954
VLLNDGGYYDPK, E12K
Hyperscore=18.2280
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−H2O
y2
y3
b4
y4
b5
b6
y5−NH3
y5
b7−NH3
b7
y6
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10
y10−NH3
y10

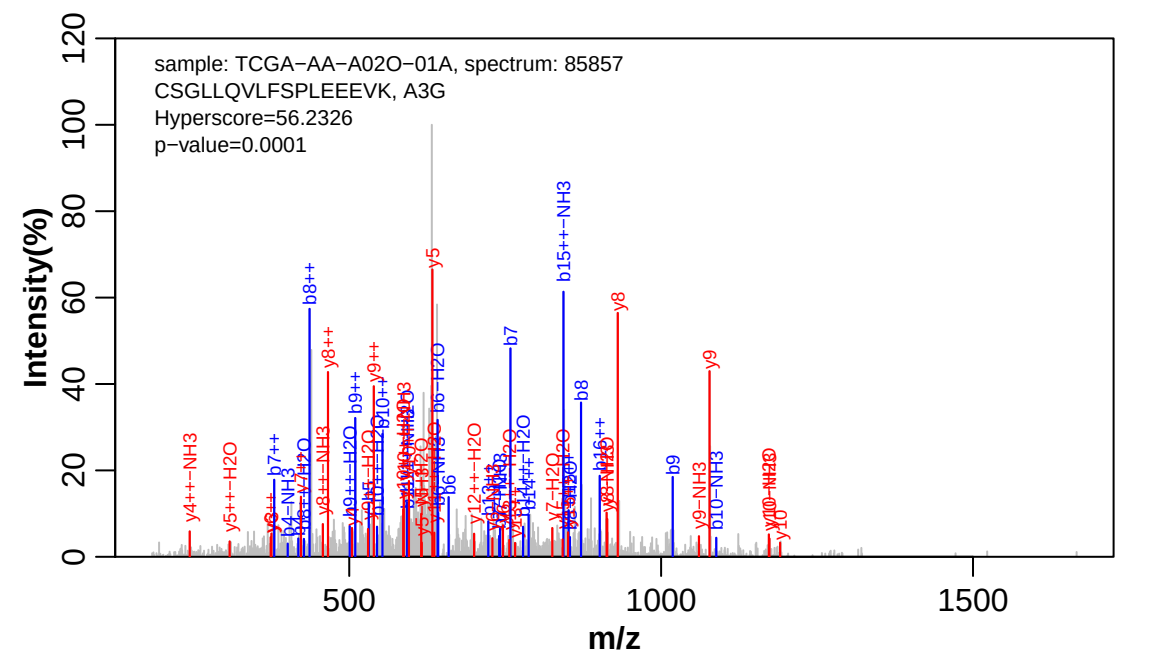

sample: TCGA−AA−A02O−01A, spectrum: 45040
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=80.6945
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b9
b20++−H2O
b25++
b13−H2O
b8
y4
b26++−H2O
b7
y5
y6
y12++−NH3
y14++
y7
b16−H2O
b16
y13
b20
b2
y1
b1

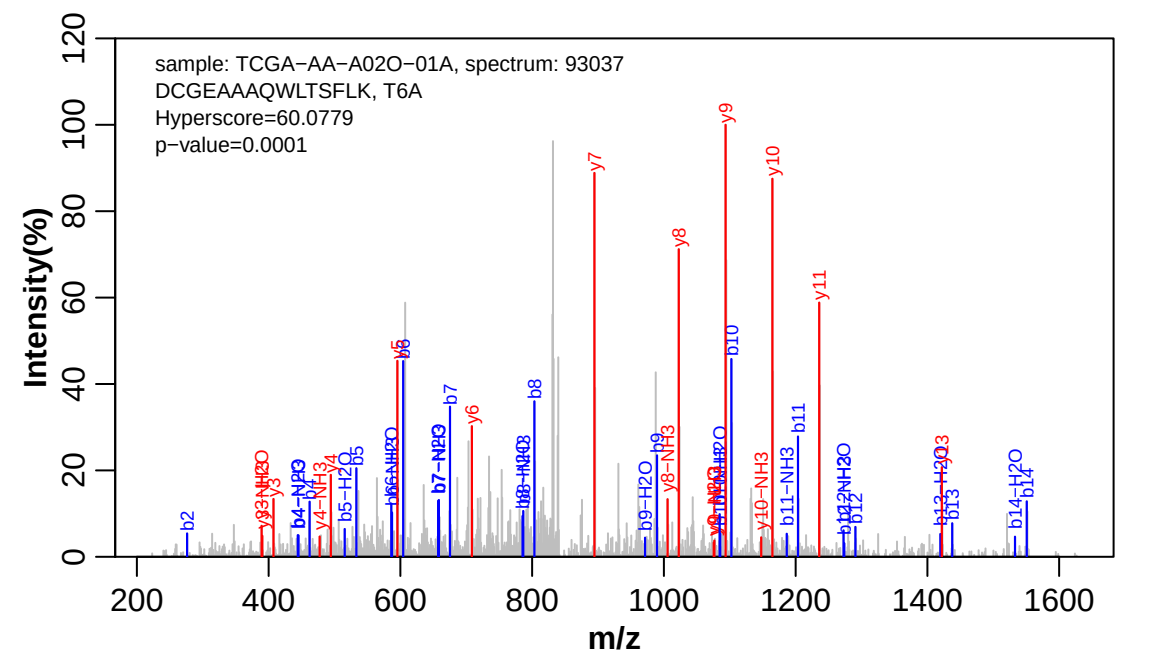

sample: TCGA−AA−A02O−01A, spectrum: 31833
AAPSVTLFPPSSEELQANK, +2A
Hyperscore=27.8925
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y11++
y11++−H2O
y12++
b8
y14++
b7
b5−H2O
b5
y4
b6
y10++
y5
b17++
y10

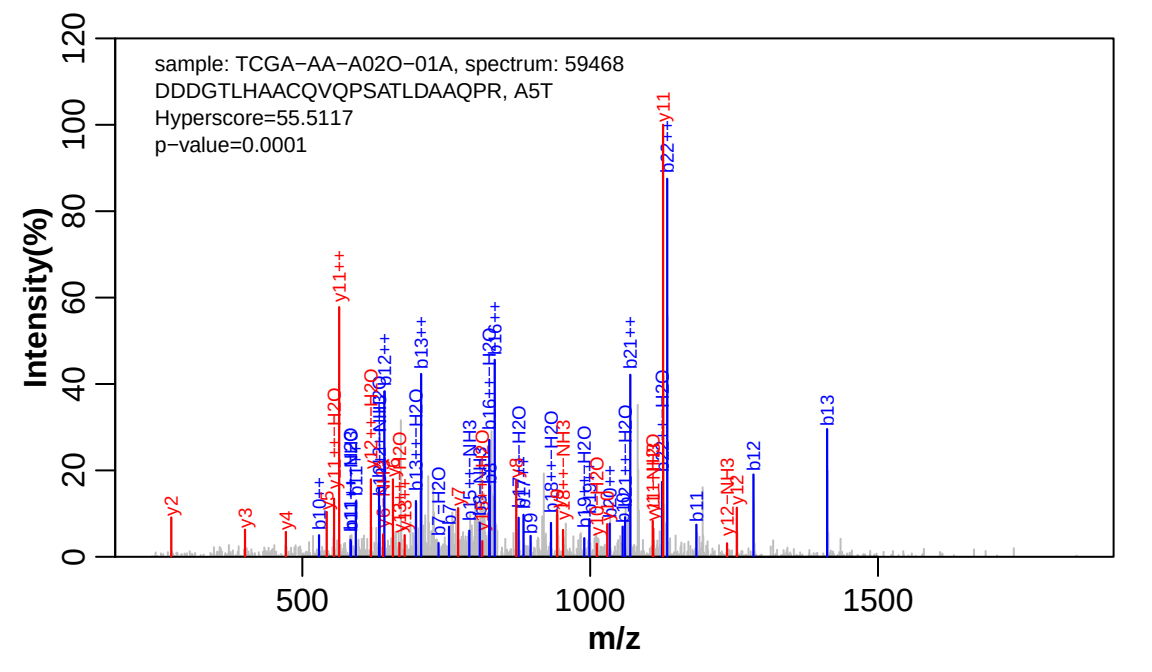

sample: TCGA−AA−A02O−01A, spectrum: 8203
AGVETTTPSK, K7T
Hyperscore=29.3446
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7−H2O
y7
y8

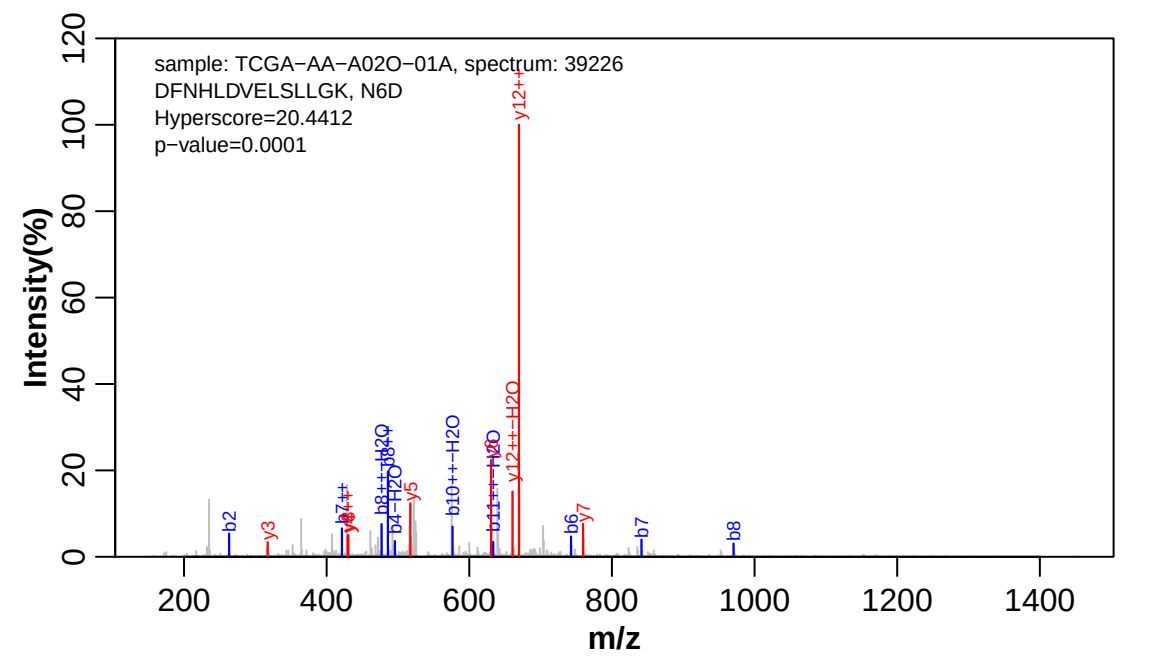

sample: TCGA−AA−A02O−01A, spectrum: 100592
APSPLYSVEFSEEPFGVLVHR, R20H
Hyperscore=43.1509
p−value=0.0001
Intensity(%)
m/z
y8++
y4
y5++
y6
y12++
y15++
y16++
y17++
y9
y19++
b12
b13

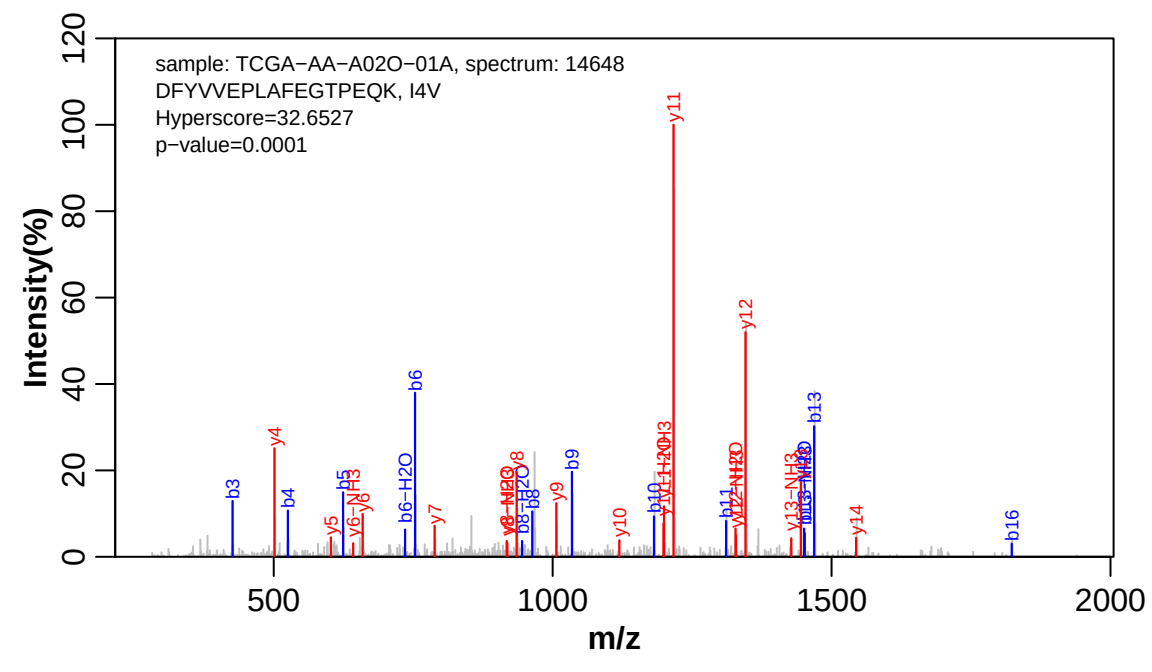

sample: TCGA−AA−A02O−01A, spectrum: 77686
CPSPPMTNLLSVGGQHQGVFGLPR, I7T
Hyperscore=34.9790
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y5
y12++
y14++
y7−H2O
y15++
b16−H2O
b16−NH3
y8
b17++
y18++
y19++
b20++
b20++−H2O
b10−NH3
y22++
y22++−H2O
y12

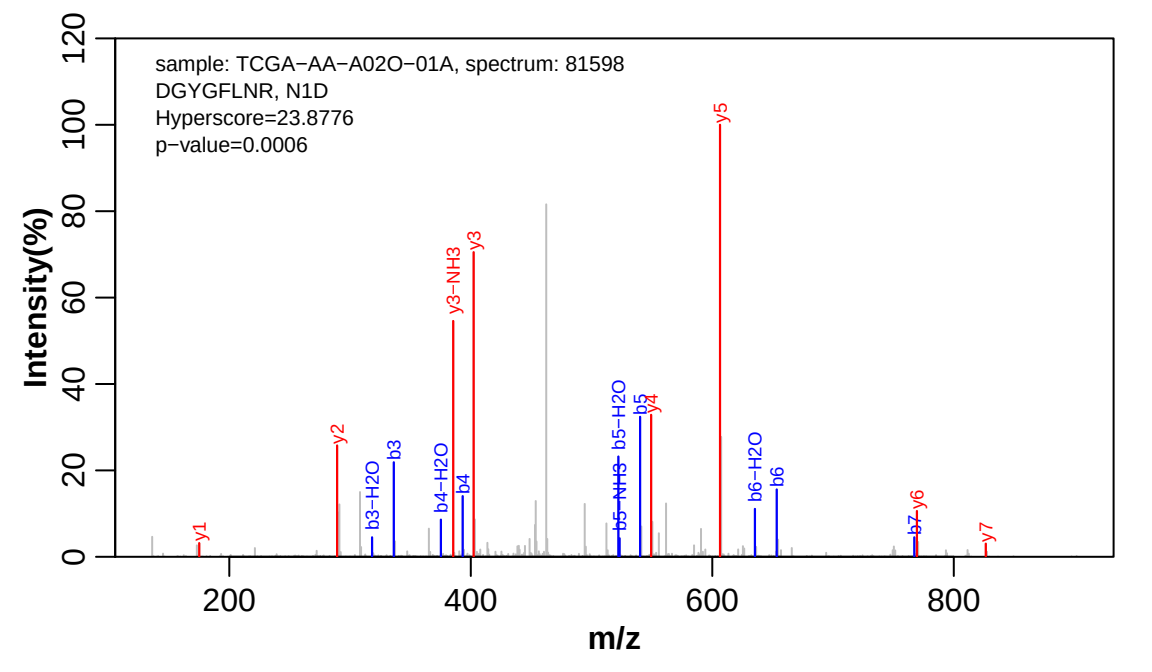

sample: TCGA−AA−A02O−01A, spectrum: 85857
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=56.2326
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4++−NH3
y5++−H2O
b4−NH3
b8++
y8++
y8++−NH3
y9++
y9++−H2O
b9++
b9++−H2O
y10++
y5
b6−H2O
b6
b7
y12++−H2O
b15++−NH3
y8
b8
b16++
b9
y9−NH3
y9
b10−NH3

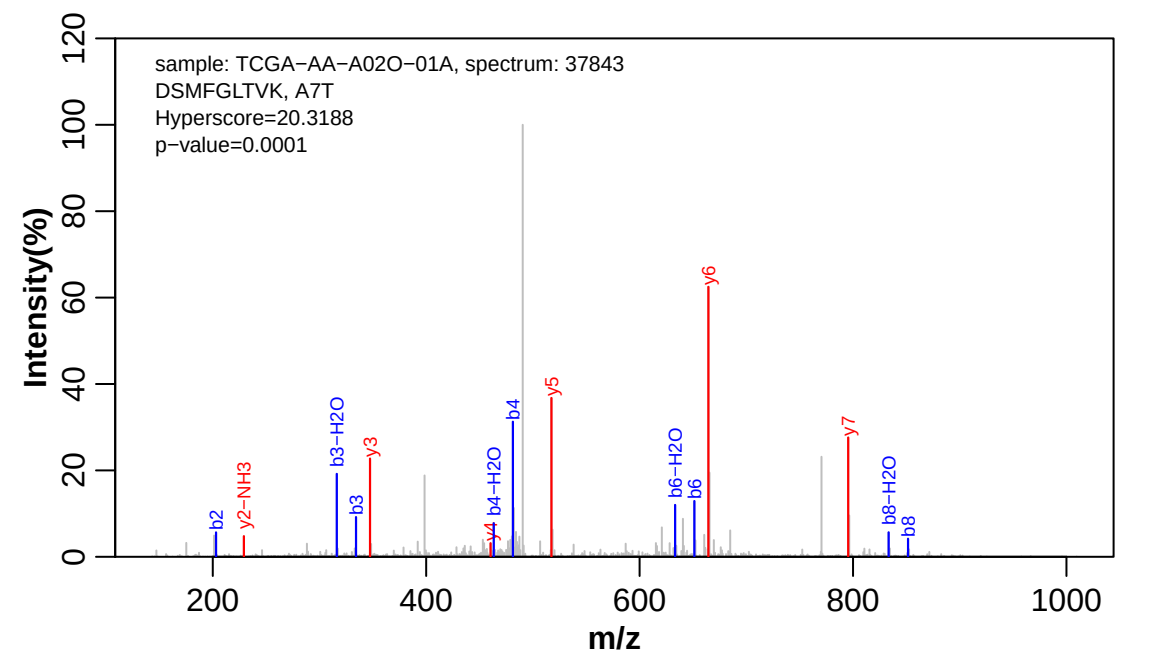

sample: TCGA−AA−A02O−01A, spectrum: 93037
DCGEAAAQWLTSFLK, T6A
Hyperscore=60.0779
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y4
b5
b6
b7
y6
b8
y7
b9
y8
y9
b10
y10
y11
b11
b12
b13
b14

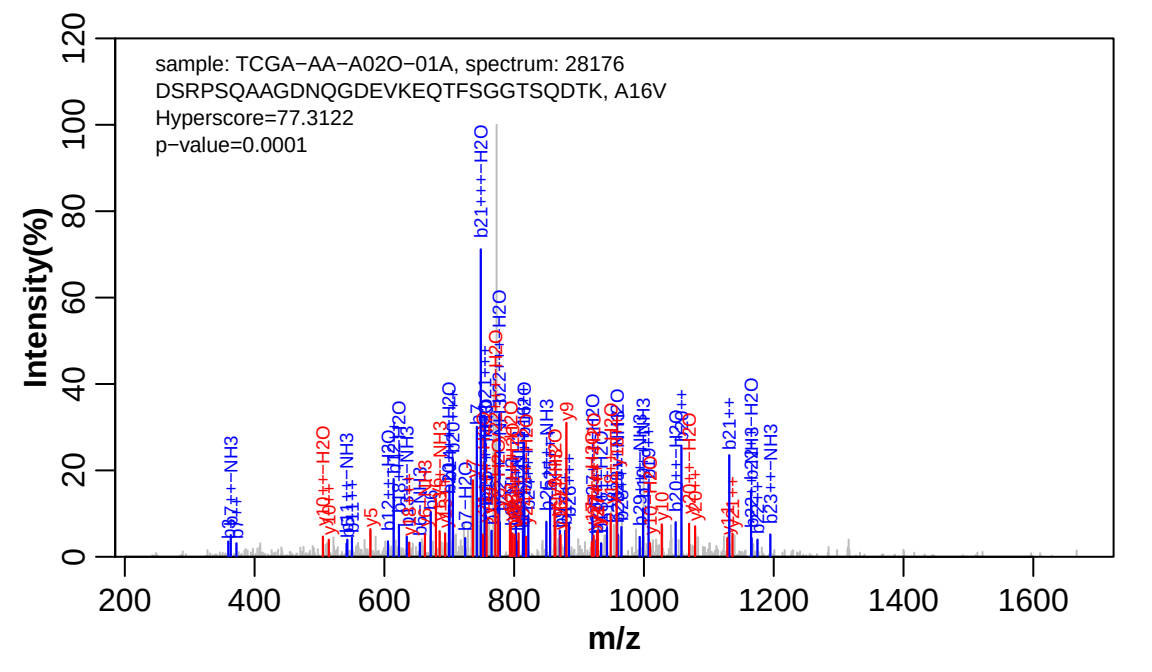

sample: TCGA−AA−A02O−01A, spectrum: 59468
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=55.5117
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
y4
b10++
y5
y11++−H2O
y11++
b11
b11−NH3
b11−H2O
y6
b12++
y12++−H2O
y12++
y13++
y13++−H2O
b13++−H2O
b13++
b7−H2O
b7
y7
b15++−NH3
b15++
b8
b16++−H2O
b16++
b17++−H2O
b9
b17++
b18++−NH3
b18++−H2O
b18++
y18++−NH3
y18++
b19++−H2O
b19++
y19++−H2O
y19++
b20++
b21++−H2O
b21++
y11++−NH3
y11++−H2O
b22++−H2O
b22++
y22++
b11
y12−NH3
y12
b12
b13

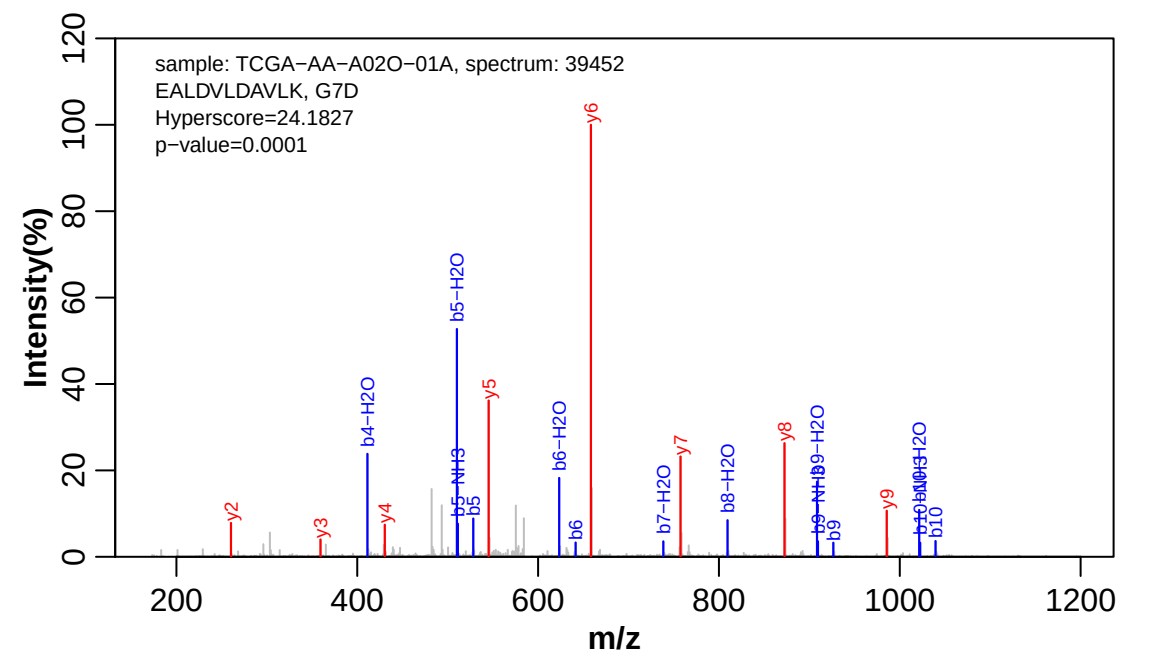

sample: TCGA−AA−A02O−01A, spectrum: 39226
DFNHLDVELSLLGK, N6D
Hyperscore=20.4412
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y12++
y12++−H2O
b10++−H2O
y5
b2
y3
b6
y7
b7
b8

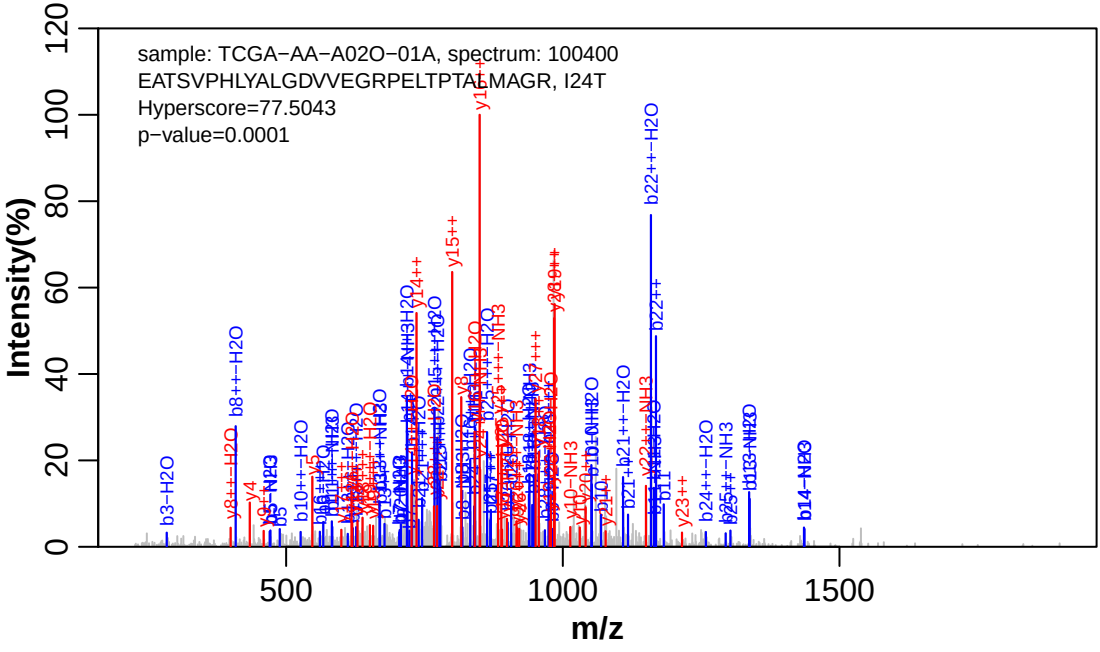

sample: TCGA−AA−A02O−01A, spectrum: 14648
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=32.6527
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y11
y12
b6
b13
y4
b3
b4
b5
y5
y6
y6−NH3
b6−H2O
y7
y9
b9
y10
b10
b11
y13−NH3
y14
b16

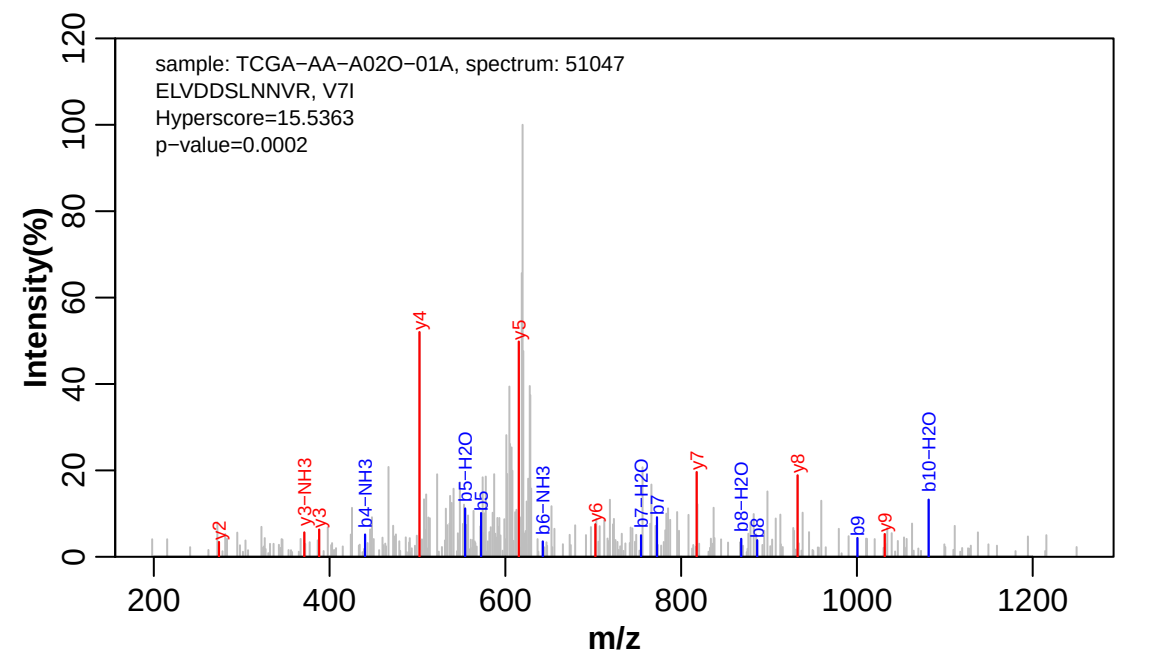

sample: TCGA−AA−A02O−01A, spectrum: 81598
DGYGFLNR, N1D
Hyperscore=23.8776
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6
y7

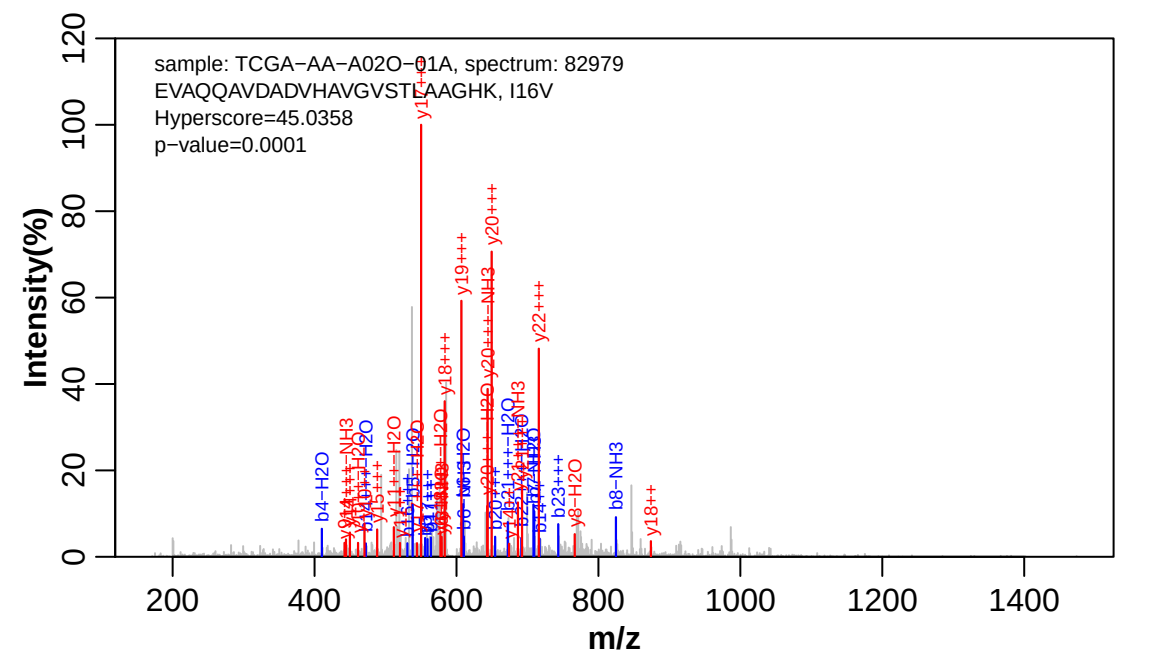

sample: TCGA−AA−A02O−01A, spectrum: 37843
DSMFGLTVK, A7T
Hyperscore=20.3188
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
y2−NH3
b3−H2O
b3
y3
y4
b4−H2O
b4
y5
b6−H2O
b6
y6
y7
b8−H2O
b8

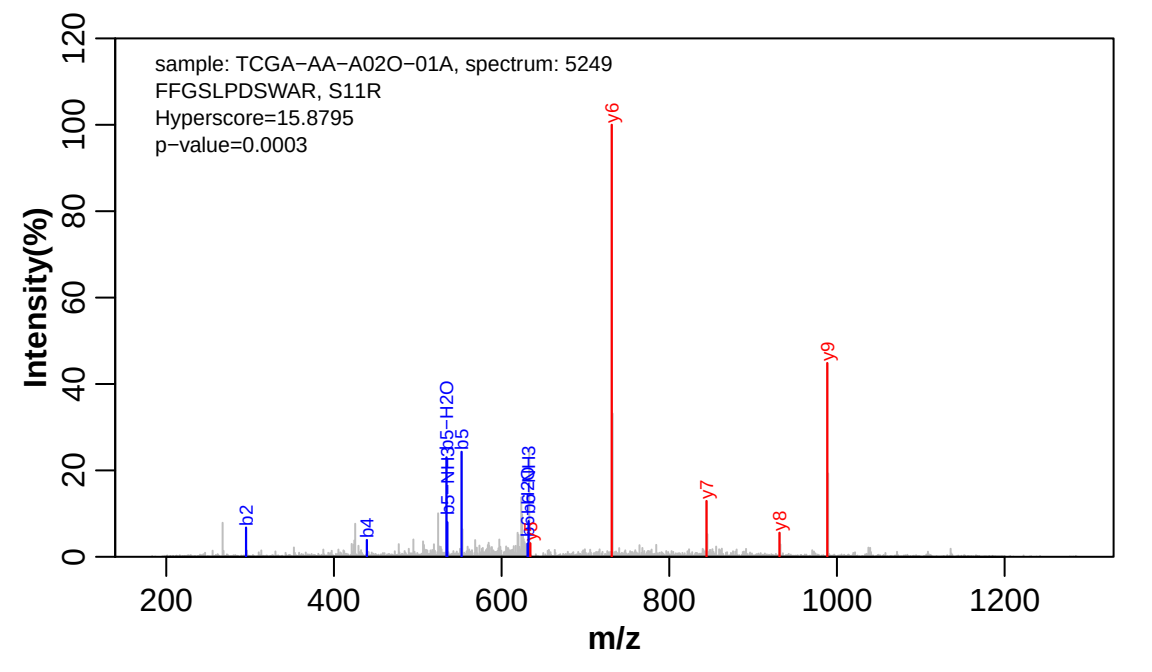

sample: TCGA−AA−A02O−01A, spectrum: 28176
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=77.3122
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

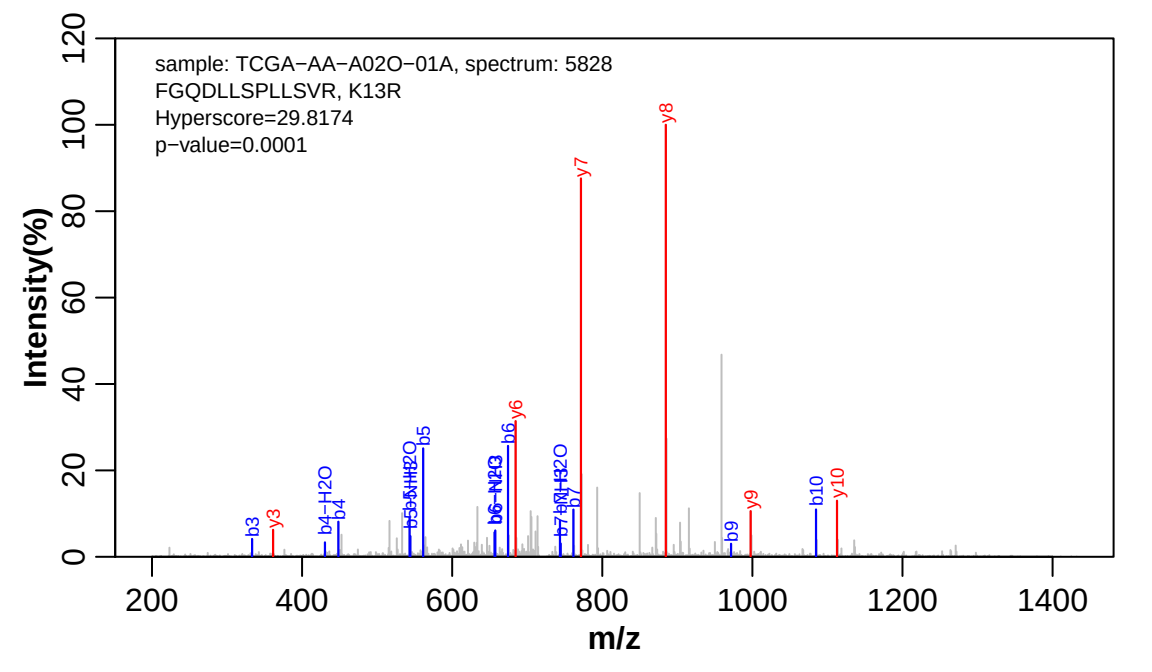

sample: TCGA−AA−A02O−01A, spectrum: 39452
EALDVLDAVLK, G7D
Hyperscore=24.1827
p−value=0.0001
Intensity(%)
m/z
y6
b5−H2O
b4−H2O
y5
b6−H2O
y7
y8
b8−H2O
b9−H2O
y2
y3
y4
b5−NH3
b5
b6
b7−H2O
b9−NH3
b9
y9
b10
0
20
40
60
80
100
120
200
400
600
800
1000
1200

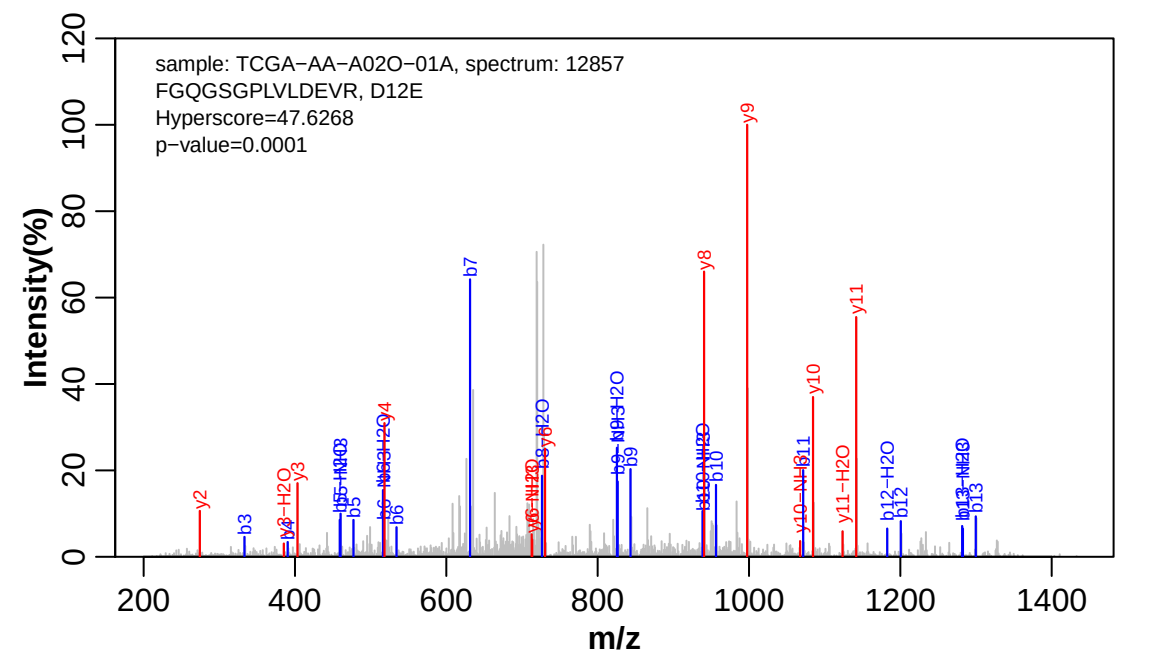

sample: TCGA−AA−A02O−01A, spectrum: 100400
EATSVPHLYALGDVVEGRPELTPTALMAGR, I24T
Hyperscore=77.5043
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y8++−H2O
b8++−H2O
y4
y8++
b5
b10++−H2O
y5
y14++
y15++
y16++
b22++−H2O
b22++
b21+−H2O
y23++
b24++−H2O
b14−NH3

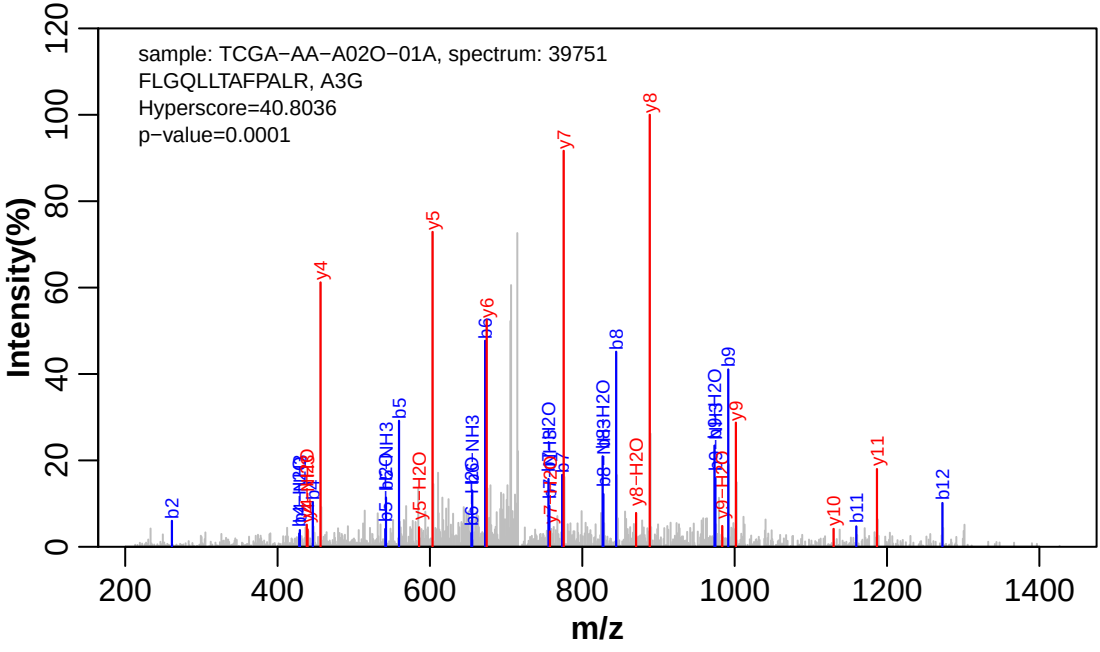

sample: TCGA−AA−A02O−01A, spectrum: 51047
ELVDDSLNNVR, V7I
Hyperscore=15.5363
p−value=0.0002
Intensity(%)
m/z
y2
y3−NH3
y3
b4−NH3
y4
b5−H2O
b5
y5
b6−NH3
y6
b7−H2O
b7
y7
b8−H2O
b8
y8
b9
y9
b10−H2O

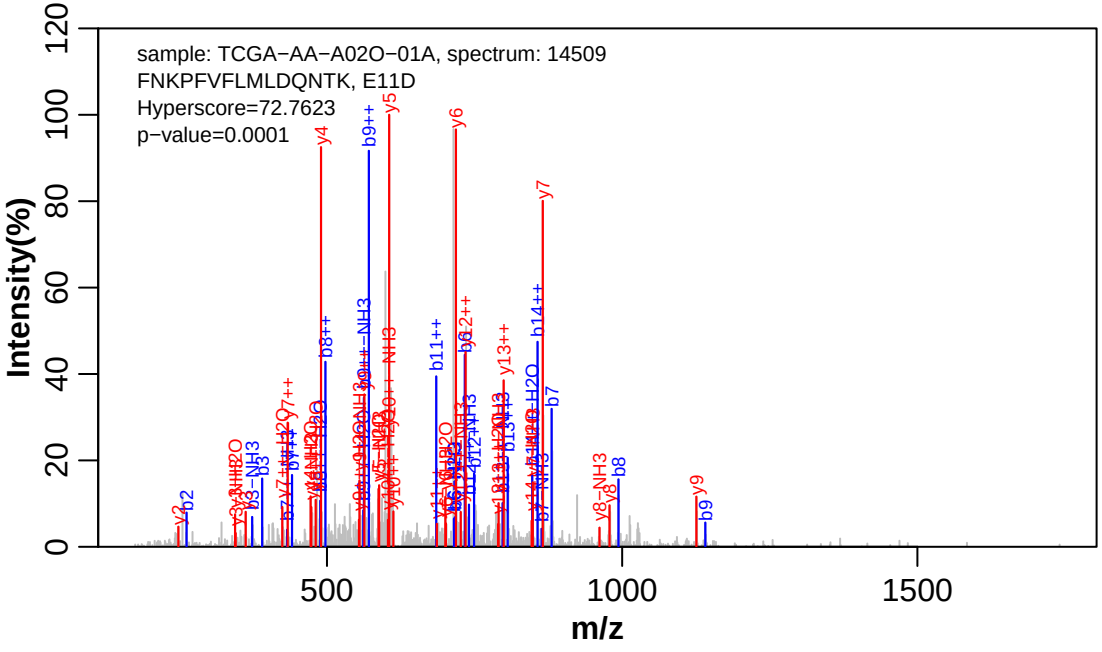

sample: TCGA−AA−A02O−01A, spectrum: 82979
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=45.0358
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y16++
y19+++
y20+++
y22+++
y18+++
b4−H2O
b8−NH3
y18++
b23+++
y8−H2O

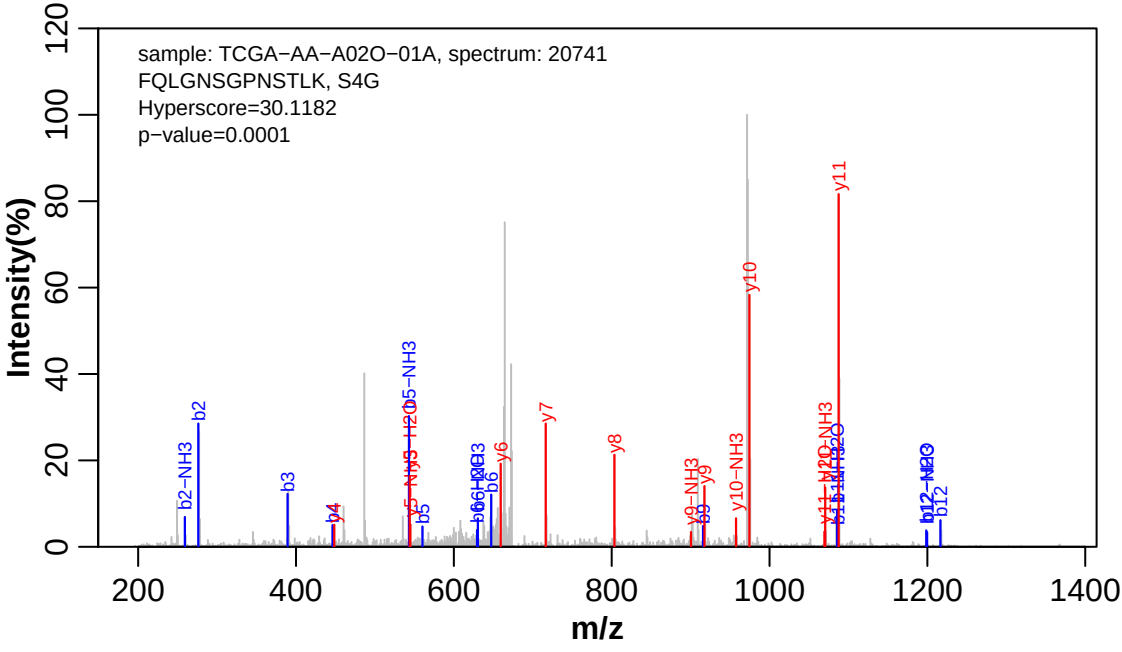

sample: TCGA−AA−A02O−01A, spectrum: 5249
FFGSLPDSWAR, S11R
Hyperscore=15.8795
p−value=0.0003
Intensity(%)
m/z
y6
y9
y7
y8
b2
b4
b5−NH3
b5−H2O
b5
y5−H2O
y5−NH3
y5
y6−H2O
y6−NH3
0
20
40
60
80
100
120
200
400
600
800
1000
1200

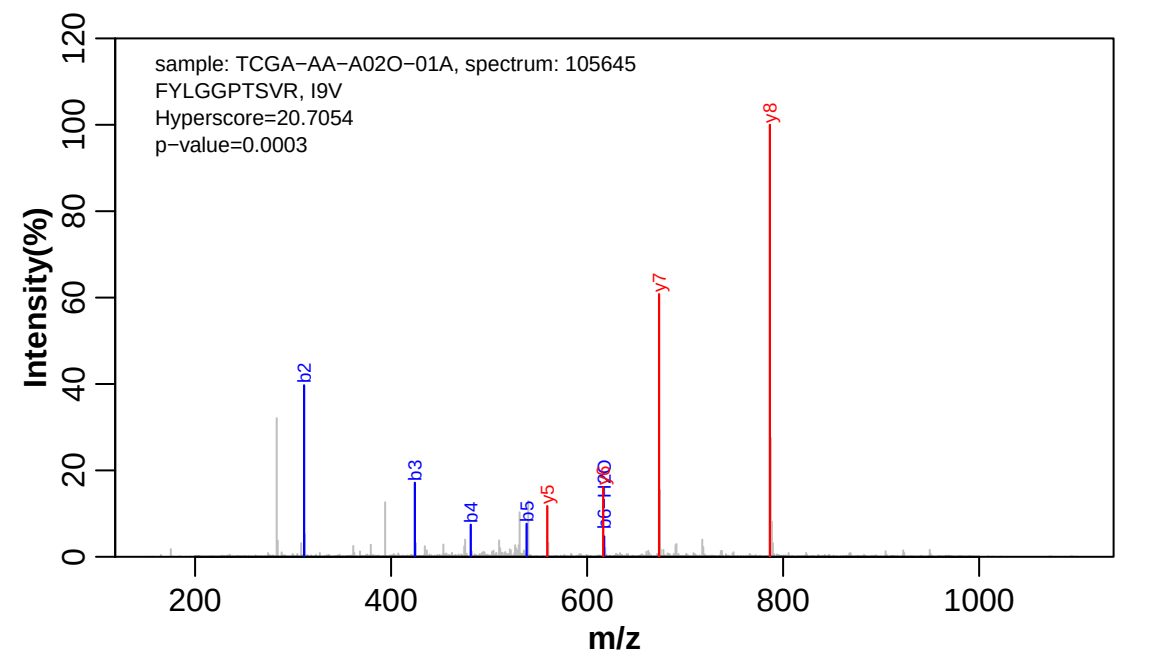

sample: TCGA−AA−A02O−01A, spectrum: 5828
FGQDLLSPLLSVR, K13R
Hyperscore=29.8174
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5−NH3
b5−H2O
b5
b6−NH3
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
y8
b9
y9
b10
y10

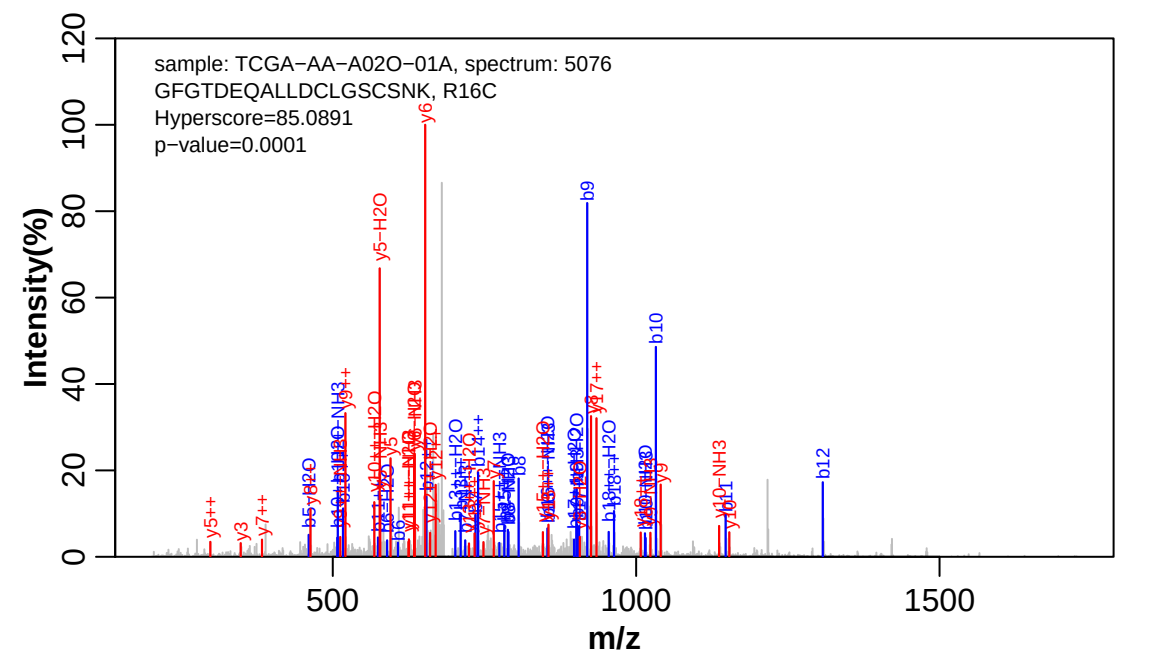

sample: TCGA−AA−A02O−01A, spectrum: 12857
FGQGSGPLVLDEVR, D12E
Hyperscore=47.6268
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y4−H2O
y3
b4
b5
b6
b7
y6
y5
y9
y8
b9
b10
y10
y11
y11−H2O
b12−H2O
b12
b13

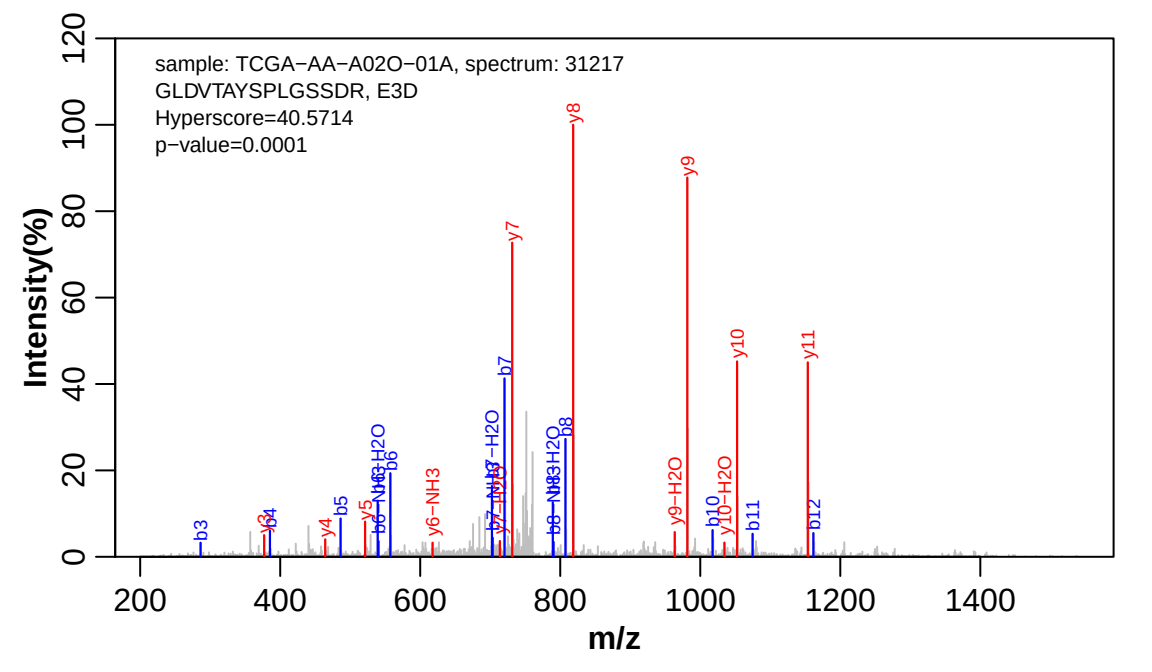

sample: TCGA−AA−A02O−01A, spectrum: 39751
FLGQLLTAFPALR, A3G
Hyperscore=40.8036
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y4
y5
y5−H2O
b5
b5−NH3
y6
b6
b6−NH3
y7
b7
b8
b8−H2O
y8
y8−H2O
b9
b9−H2O
y9
y9−H2O
y10
b11
y11
b12

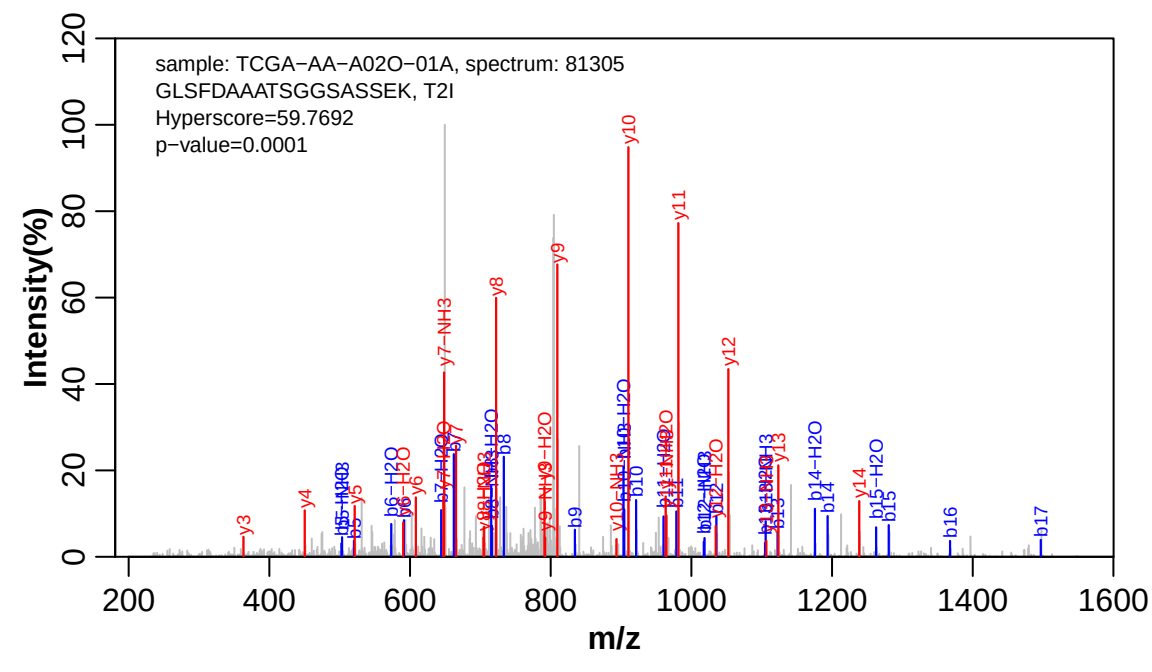

sample: TCGA−AA−A02O−01A, spectrum: 14509
FNKPFVFLMLDQNTK, E11D
Hyperscore=72.7623
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
b9++
y5
y6
y7
b8++
b11++
b14++
b7
y8−NH3
b8
y9
b9
y2
b2
b3
b3−NH3

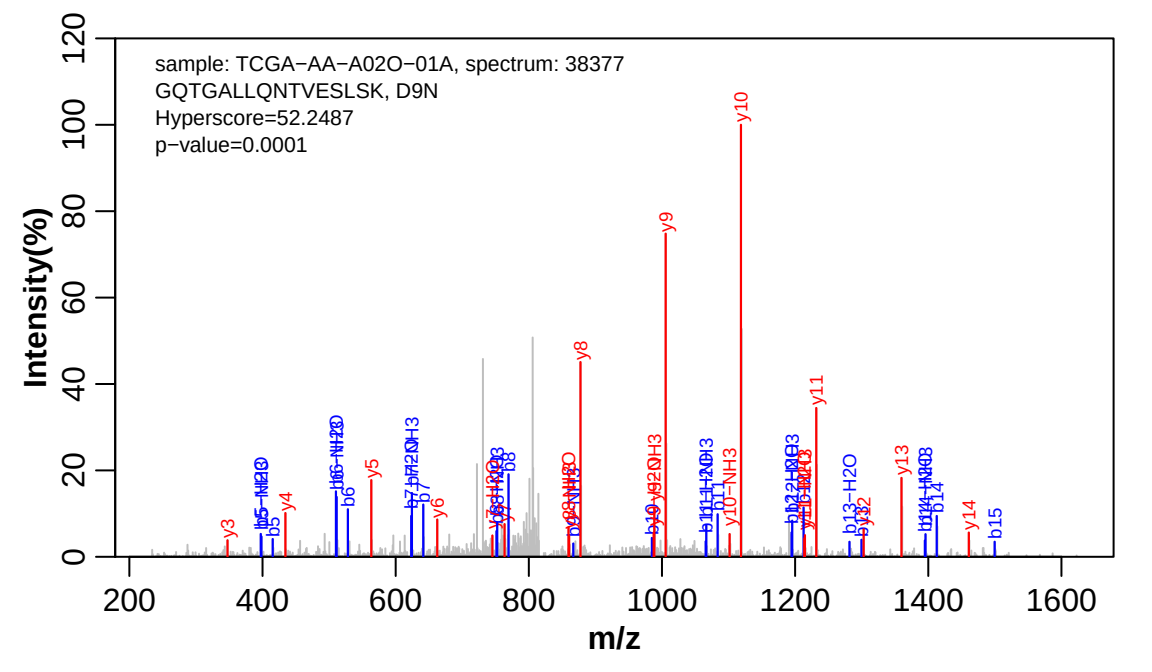

sample: TCGA−AA−A02O−01A, spectrum: 20741
FQLGNSGPNSTLK, S4G
Hyperscore=30.1182
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b2−NH3
b3
b4
b5
b5−NH3
b6
y6
y7
y8
y9
y9−NH3
y10
y10−NH3
y11
b12
b12−NH3

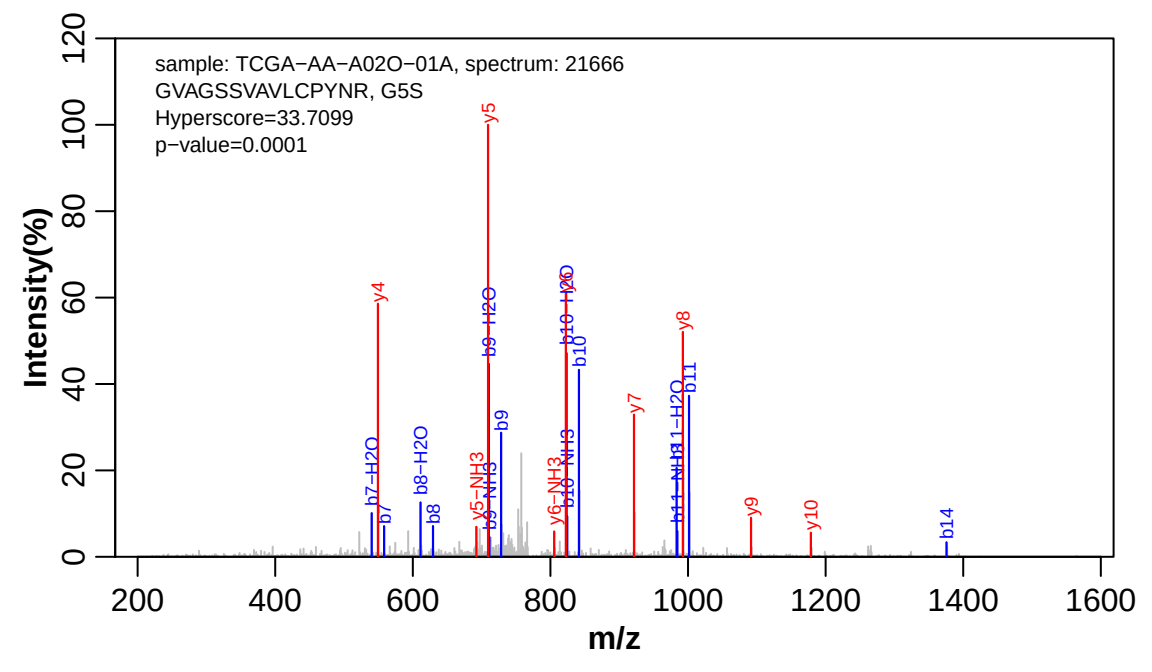

sample: TCGA−AA−A02O−01A, spectrum: 105645
FYLGGPTSVR, I9V
Hyperscore=20.7054
p−value=0.0003
Intensity(%)
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

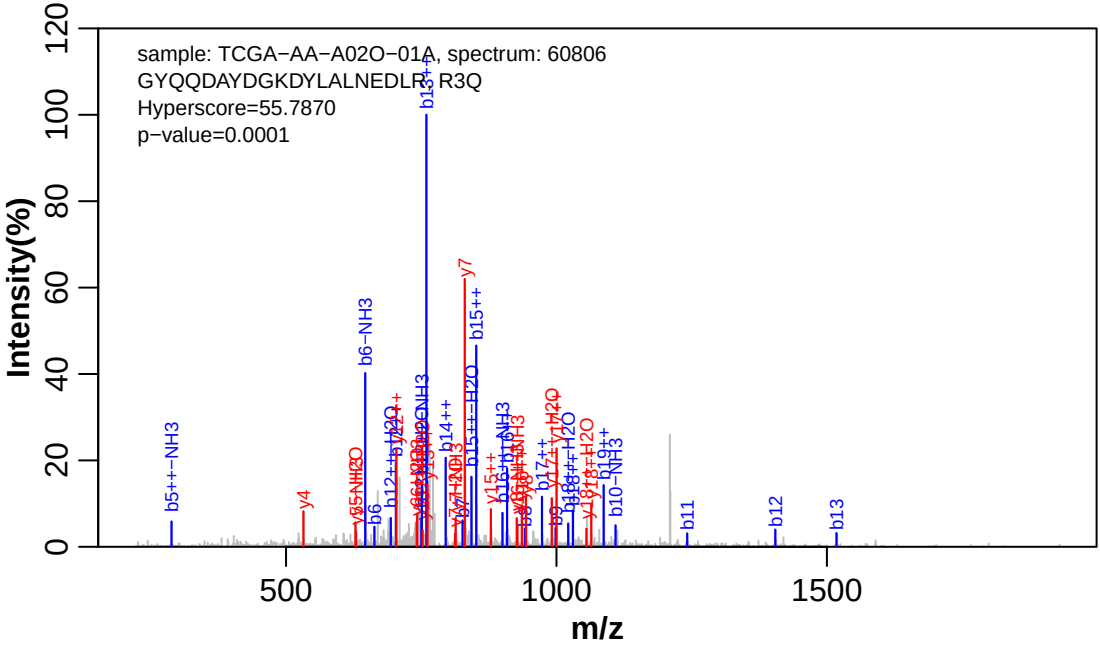

sample: TCGA−AA−A02O−01A, spectrum: 5076
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=85.0891
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y5++
y3
y7++
y10−NH3
y11
y9
b8
b7++
b14++
b18++−H2O
y8++
y12
y7−NH3
b5−H2O
y4−H2O
y4−NH3
y5
b6
y10−H2O
y3−NH3
y4
y6−H2O
y6−NH3
b4
b3
b3−H2O
b3−NH3
b5
b5−NH3
b7
b7−H2O
b7−NH3
b8−H2O
b8−NH3
b9−H2O
b9−NH3
b10−H2O
b10−NH3
b11
b11−H2O
b11−NH3
b12−H2O
b12−NH3
b13
b13−H2O
b13−NH3
b14
b14−H2O
b14−NH3
b15
b15−H2O
b15−NH3
b16
b16−H2O
b16−NH3
b17
b17−H2O
b17−NH3
b18
b18−H2O
b18−NH3
y1
y2
y2−H2O
y2−NH3
y4++
y5−NH3
y6++
y7
y7−H2O
y7−NH3
y8
y8−H2O
y8−NH3
y9−H2O
y9−NH3
y10
y10−H2O
y10−NH3
y11−H2O
y11−NH3
y12−H2O
y12−NH3

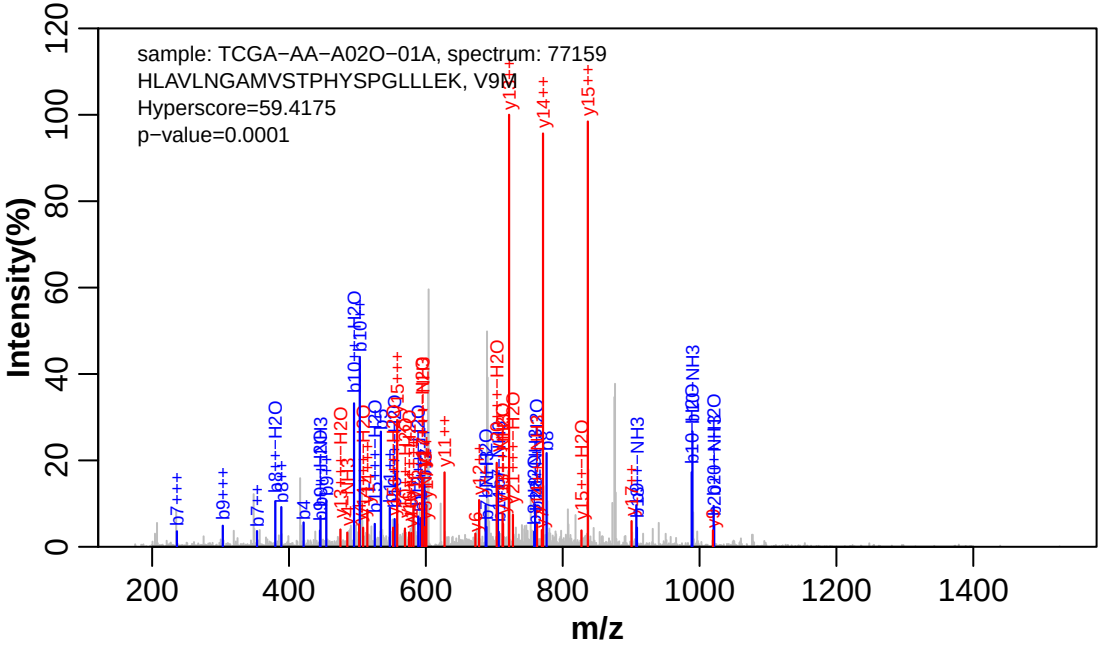

sample: TCGA−AA−A02O−01A, spectrum: 31217
GLDVTAYSPLGSSDR, E3D
Hyperscore=40.5714
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
y4
b5
y5
b6
y6−NH3
b7
y7
b8
y8
y9−H2O
b10
y10−H2O
b11
y10
b12
y11

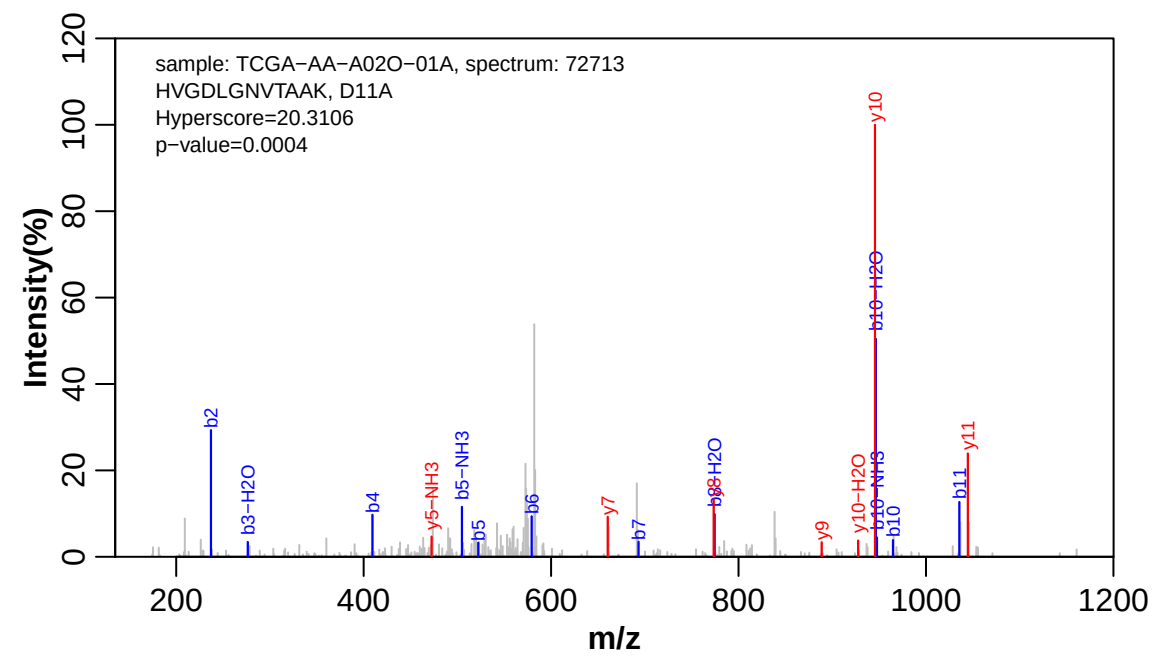

sample: TCGA−AA−A02O−01A, spectrum: 81305
GLSFDAAATSGGSASSEK, T2I
Hyperscore=59.7692
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
y4
y5
b6−H2O
b6
y6
y7−NH3
y7
b7
y8
b8
y9−NH3
y9−H2O
y9
b9
y10−NH3
y10−H2O
y10
b10
y11
b11
y12
b12
y13
b13
b14−H2O
b14
y14
b15−H2O
b15
b16
b17

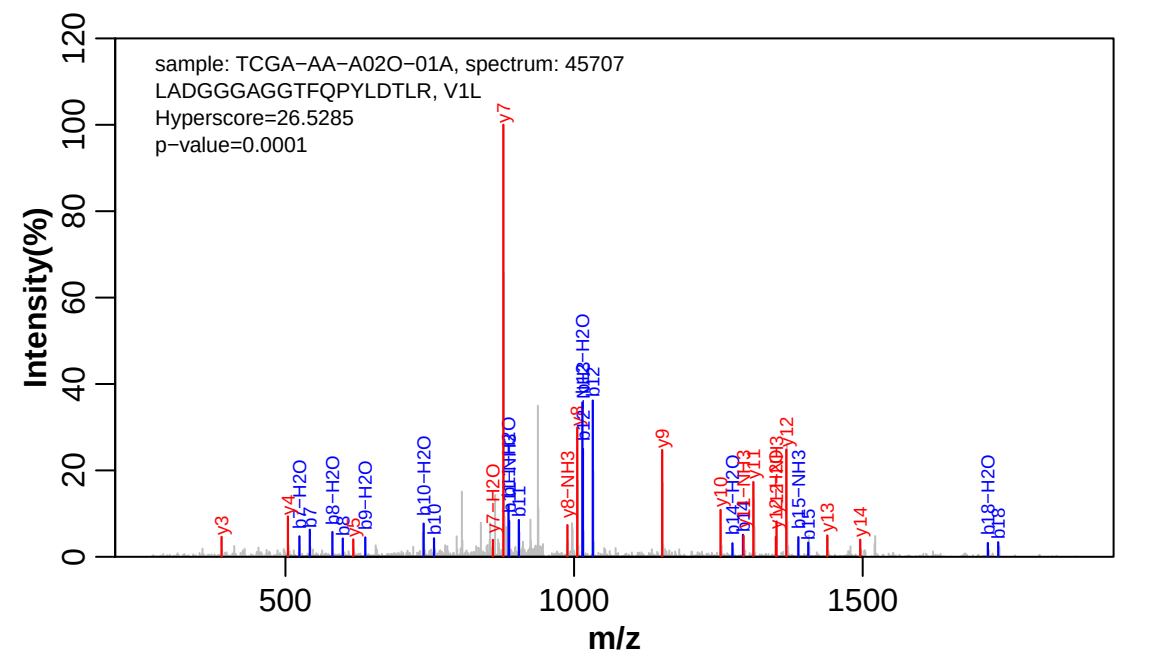

sample: TCGA−AA−A02O−01A, spectrum: 38377
GQTGALLQNTVESLSK, D9N
Hyperscore=52.2487
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y5
y6
y4
y3
y13
y14
b15
b13−H2O
y10−NH3

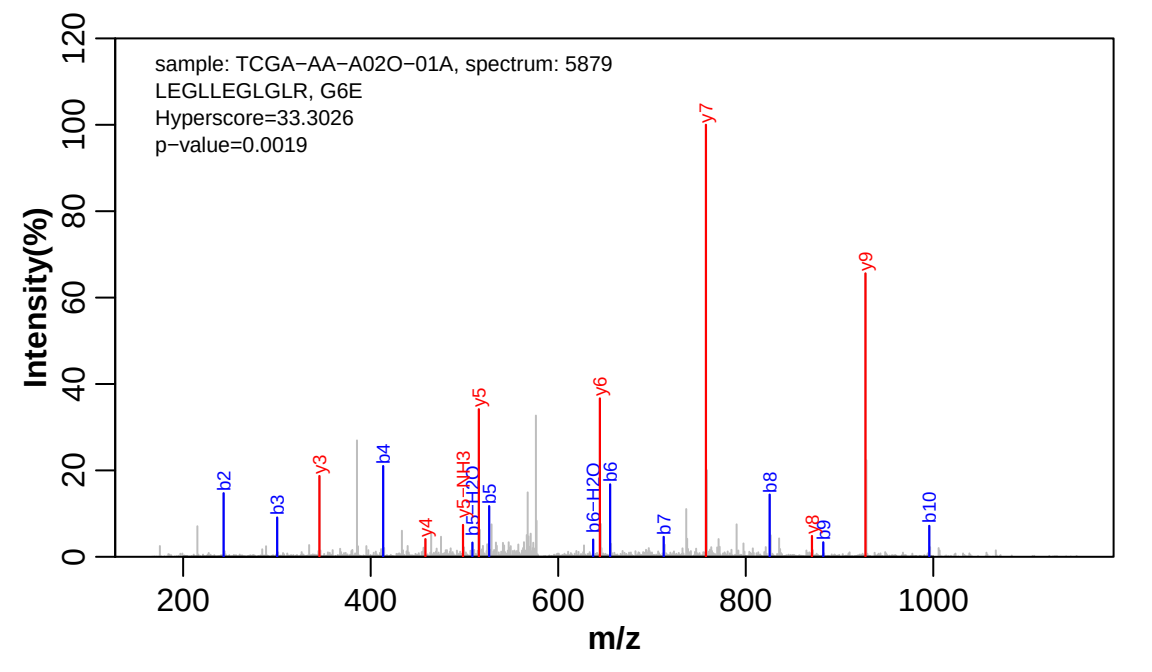

sample: TCGA−AA−A02O−01A, spectrum: 21666
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.7099
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
y8
b10
b11
y7
b7−H2O
b8−H2O
b9
y5−NH3
b9−NH3
y6−NH3
b10−NH3
b11−H2O
b11−NH3
y9
y10
b14
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

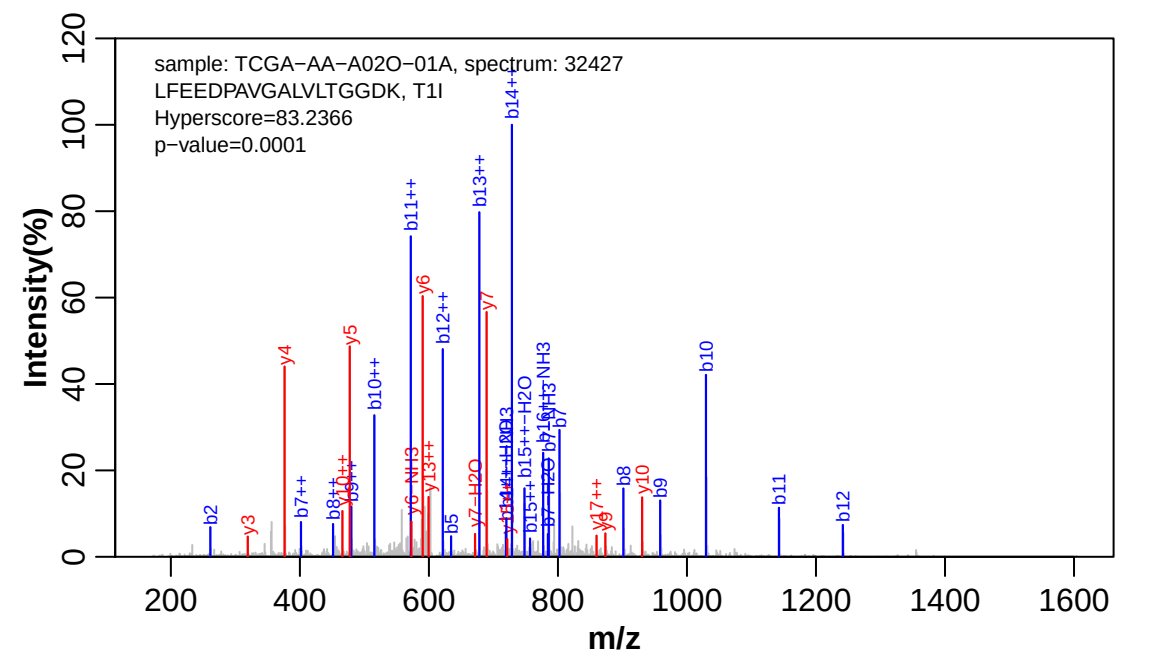

sample: TCGA−AA−A02O−01A, spectrum: 60806
GYQQDAYDGKDYLALNEDLR R3Q
Hyperscore=55.7870
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b13++
b6−NH3
y7
b15++
b5++−NH3
y4
b6
b12++
b14++
y15++
b10−NH3
b11
b12
b13

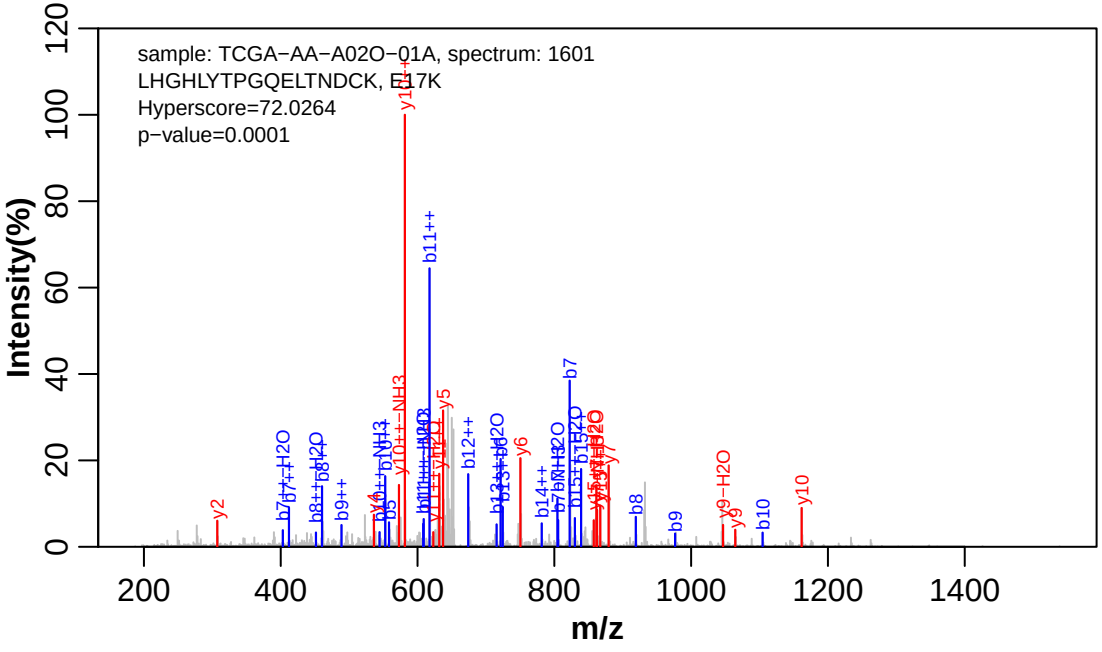

sample: TCGA−AA−A02O−01A, spectrum: 77159
HLAVLNGAMVSTPHYSPGLLLEK, V9M
Hyperscore=59.4175
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b7+++
b9+++
b7++
b8++−H2O
b8++
b4
y11++
y15++
y14++
y15++−H2O
y15++−NH3
b10+−H2O
b10+−NH3
y11+−NH3
y11+−H2O

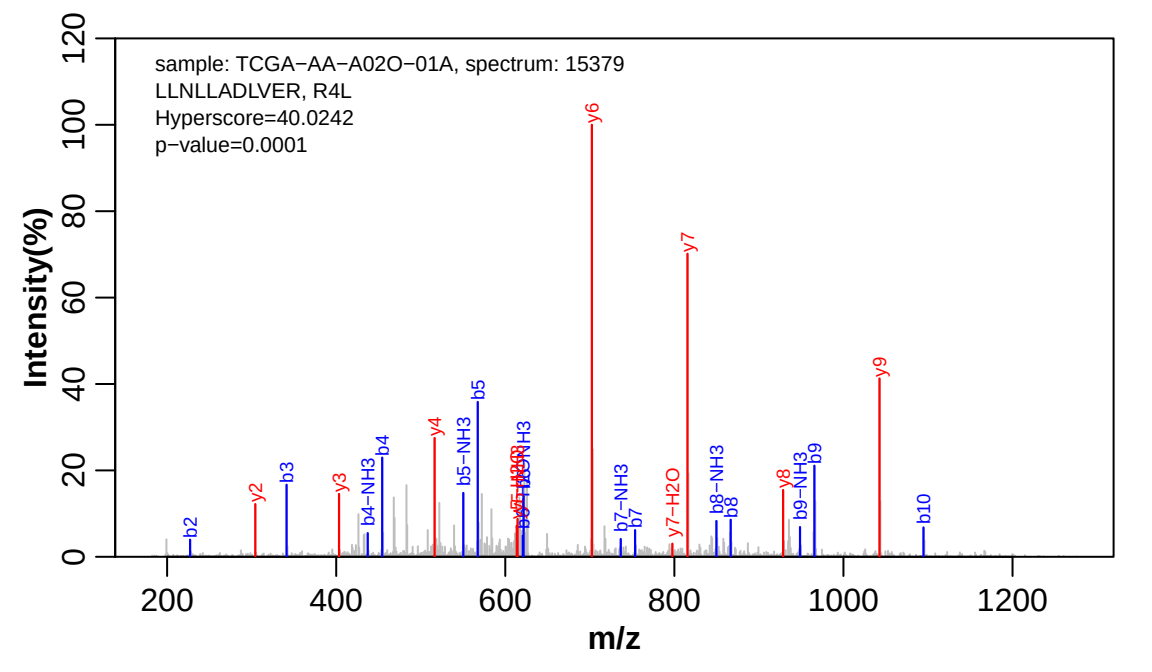

sample: TCGA−AA−A02O−01A, spectrum: 72713
HVGDLGNVTAAK, D11A
Hyperscore=20.3106
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3−H2O
b4
y5−NH3
b5−NH3
b5
b6
y7
b7
b8−H2O
y9
y10−H2O
y10−NH3
b10
b10−H2O
y10
b11
y11

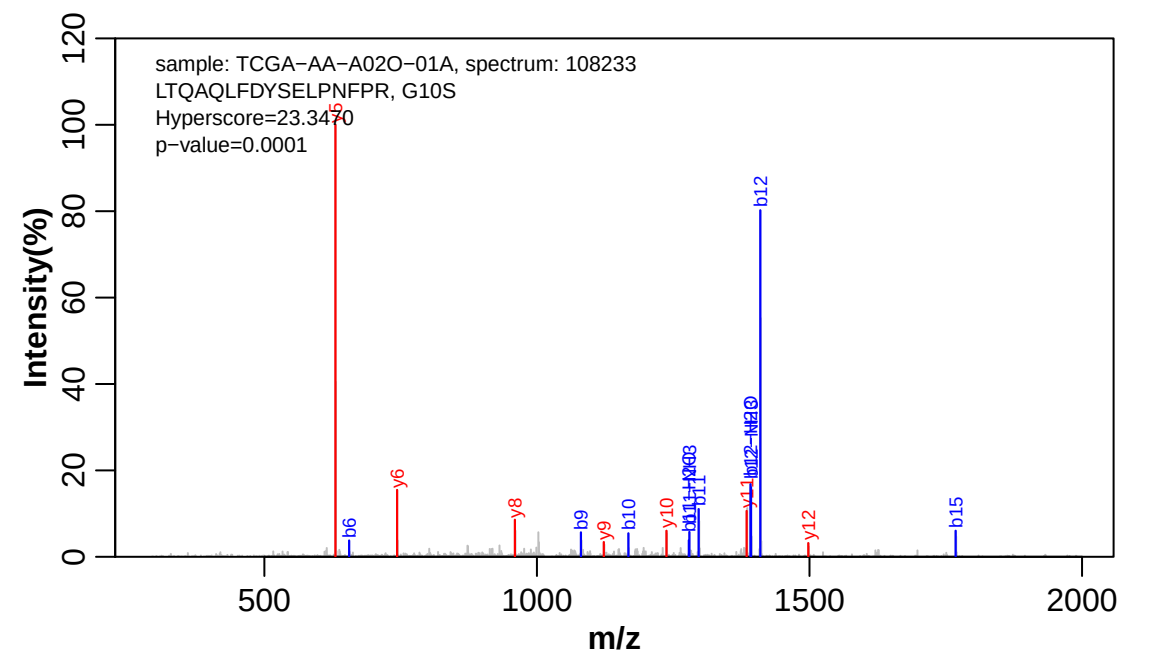

sample: TCGA−AA−A02O−01A, spectrum: 45707
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=26.5285
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y7
y9
y3
y4
y5
y8−NH3
y10
y11
y12
y13
y14
b7
b8
b9
b10
b11
b12
b15
b18
−H2O
−NH3

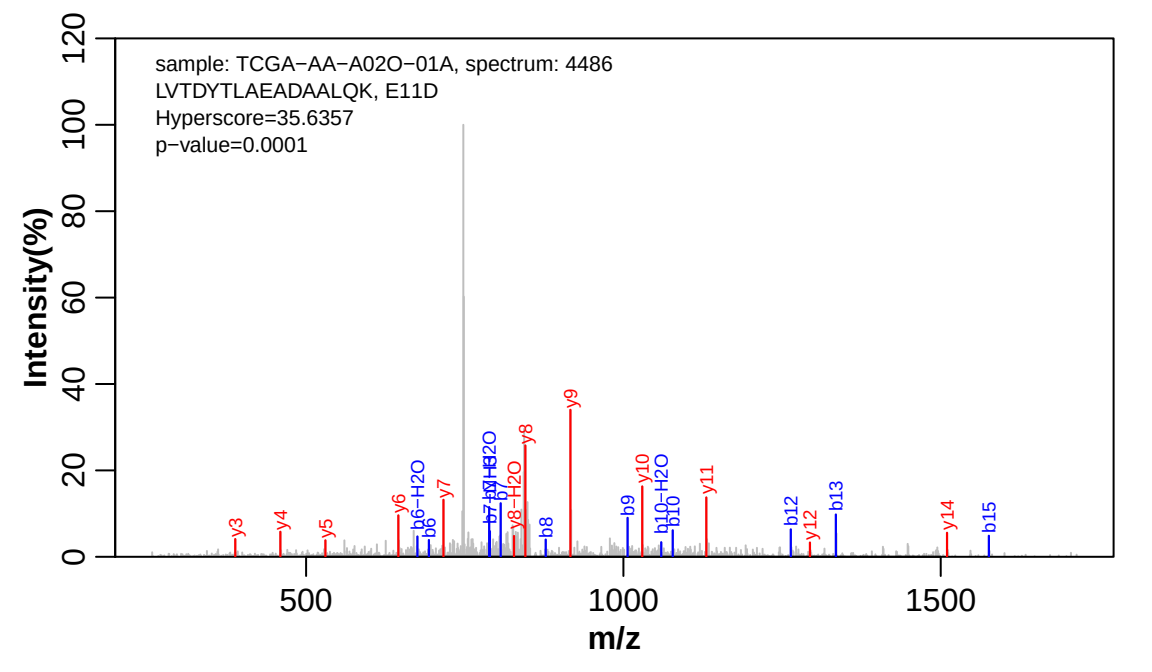

sample: TCGA−AA−A02O−01A, spectrum: 5879
LEGLLEGLGLR, G6E
Hyperscore=33.3026
p−value=0.0019
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
y3
b4
y4
y5−NH3
b5−H2O
y5
b5
y6
b6−H2O
b6
b7
b8
y8
b9
y7
y9
b10

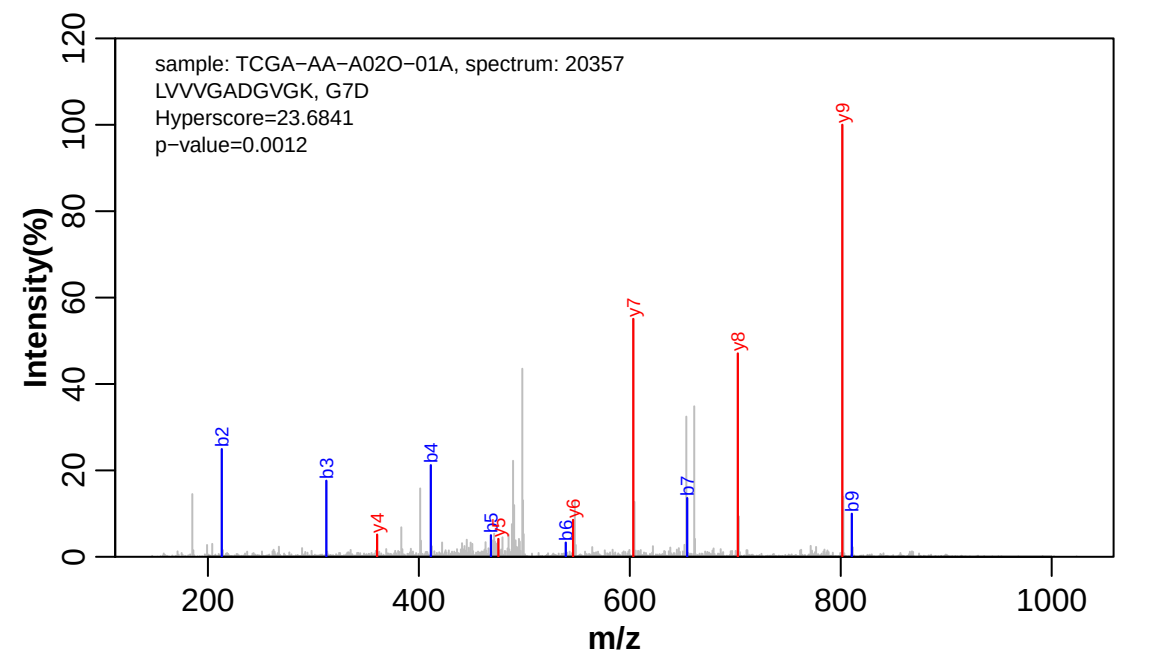

sample: TCGA−AA−A02O−01A, spectrum: 32427
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=83.2366
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y4
b7++
b8++
y10++
y5
b9++
b10++
b11++
y6
y6−NH3
y13++
b12++
b5
y7−H2O
b13++
y7
b14++
b15++−H2O
b15++
b16++
b7
b7−H2O
b7−NH3
y17++
y9
b8
y10
b9
b10
b11
b12

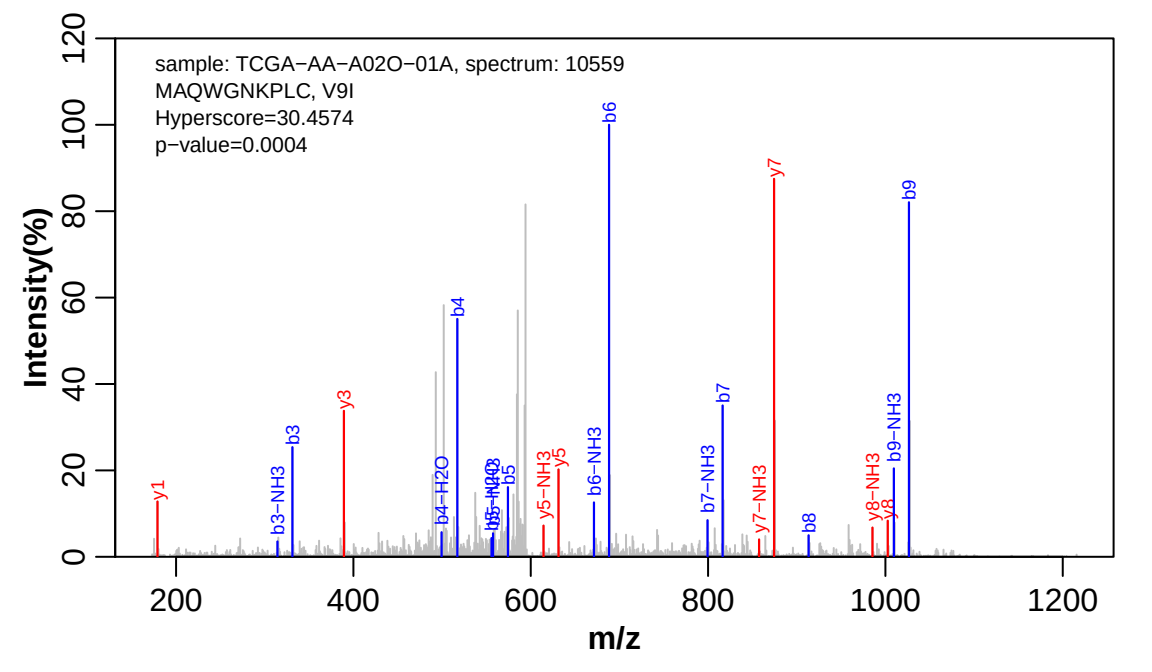

sample: TCGA−AA−A02O−01A, spectrum: 1601
LHGHLYTPGQELTNDCK, E17K
Hyperscore=72.0264
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b7++−H2O
b8++−H2O
b9++
y4++−NH3
b5
y10++−NH3
y10++
y5
b11++
b12++
b13++−H2O
y6
b14++
b7
b8
b9
y9−H2O
y9
b10
y10

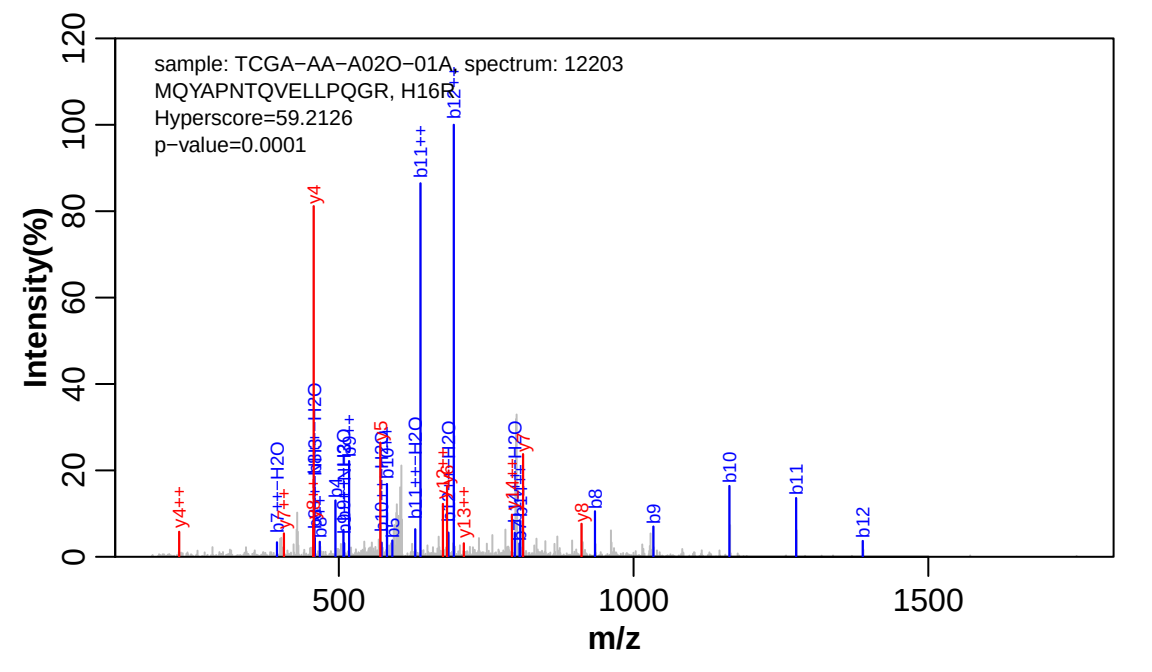

sample: TCGA−AA−A02O−01A, spectrum: 15379
LLNLLADLVER, R4L
Hyperscore=40.0242
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y6
b7−NH3
b7
y7−H2O
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

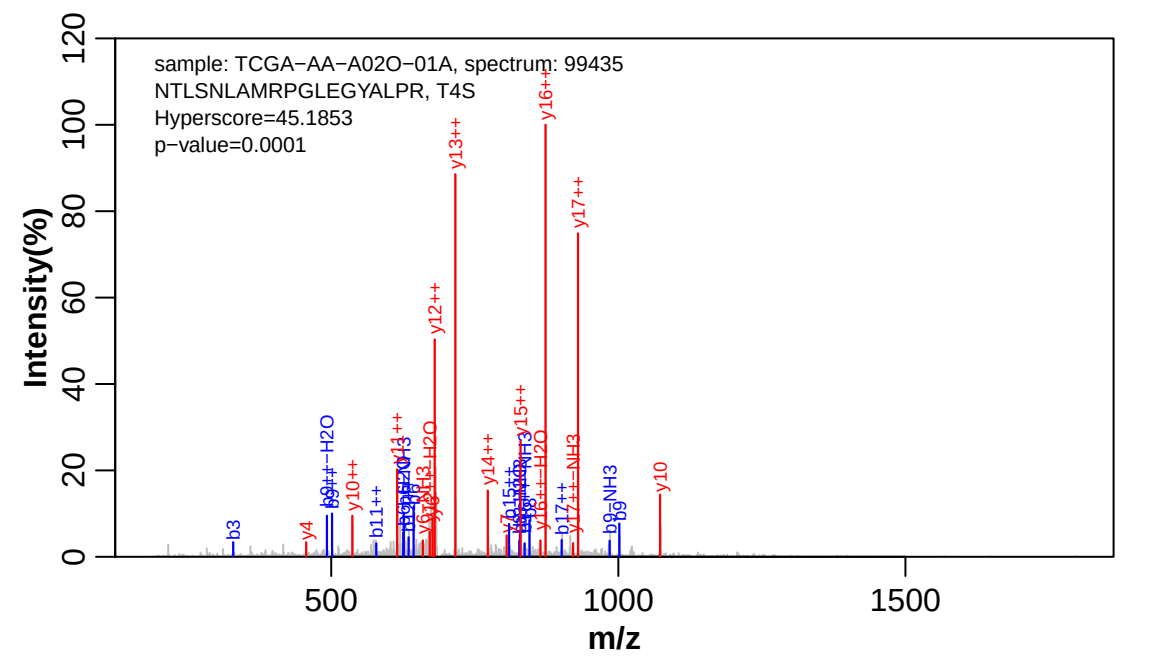

sample: TCGA−AA−A02O−01A, spectrum: 108233
LTQAQLFDYSELPNFPR, G10S
Hyperscore=23.3470
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
b6
y6
y8
b9
y9
b10
y10
b11
y11
b12
y12
b15

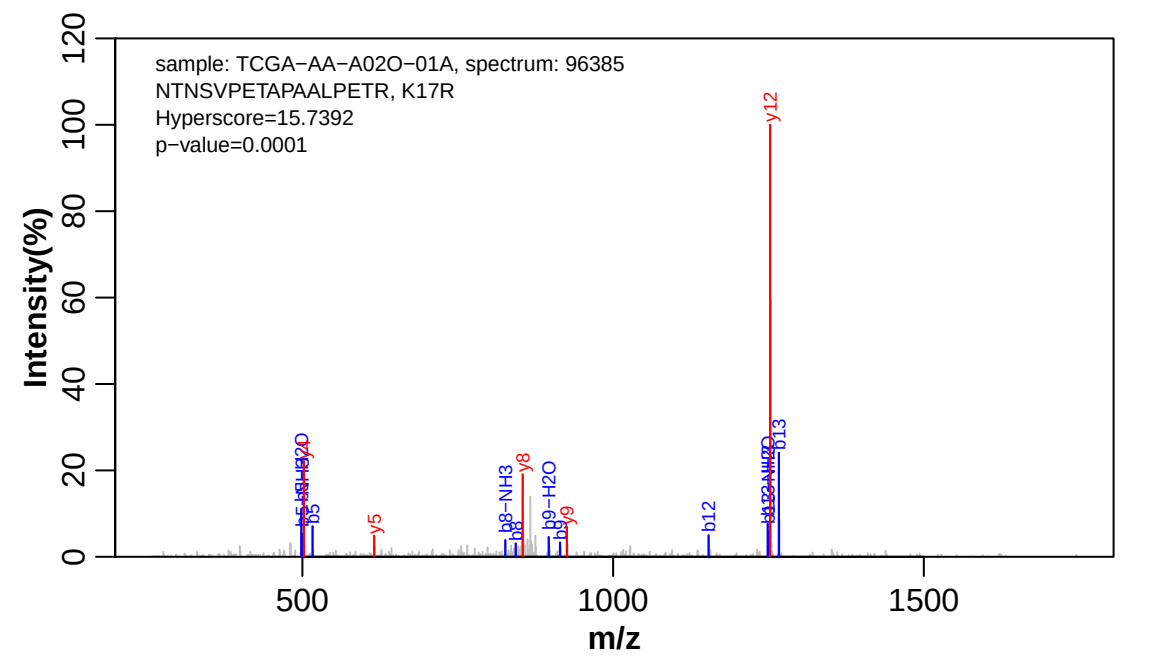

sample: TCGA−AA−A02O−01A, spectrum: 4486
LVTDYTLAEADAALQK, E11D
Hyperscore=35.6357
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
y5
y6
b6−H2O
b6
y7
b7−H2O
b7
y8−H2O
y8
b8
y9
b9
y10
b10−H2O
b10
y11
b12
y12
b13
y14
b15

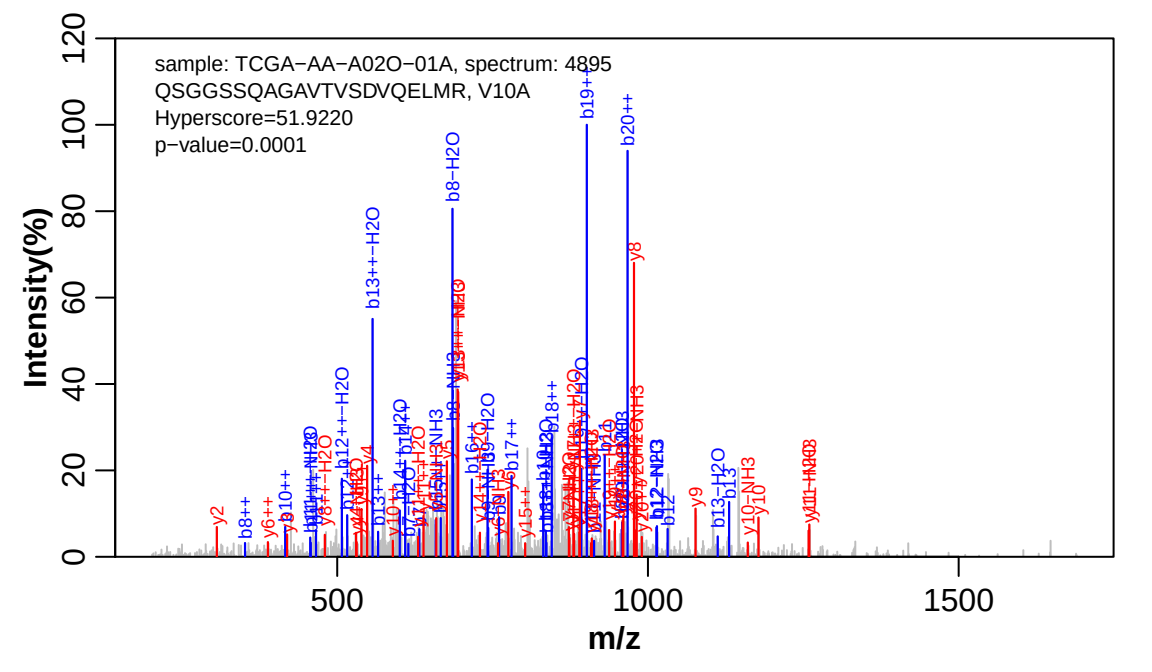

sample: TCGA−AA−A02O−01A, spectrum: 20357
LVVVGADGVGK, G7D
Hyperscore=23.6841
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
y4
b4
y5
b5
y6
b6
y7
b7
y8
y9
b9

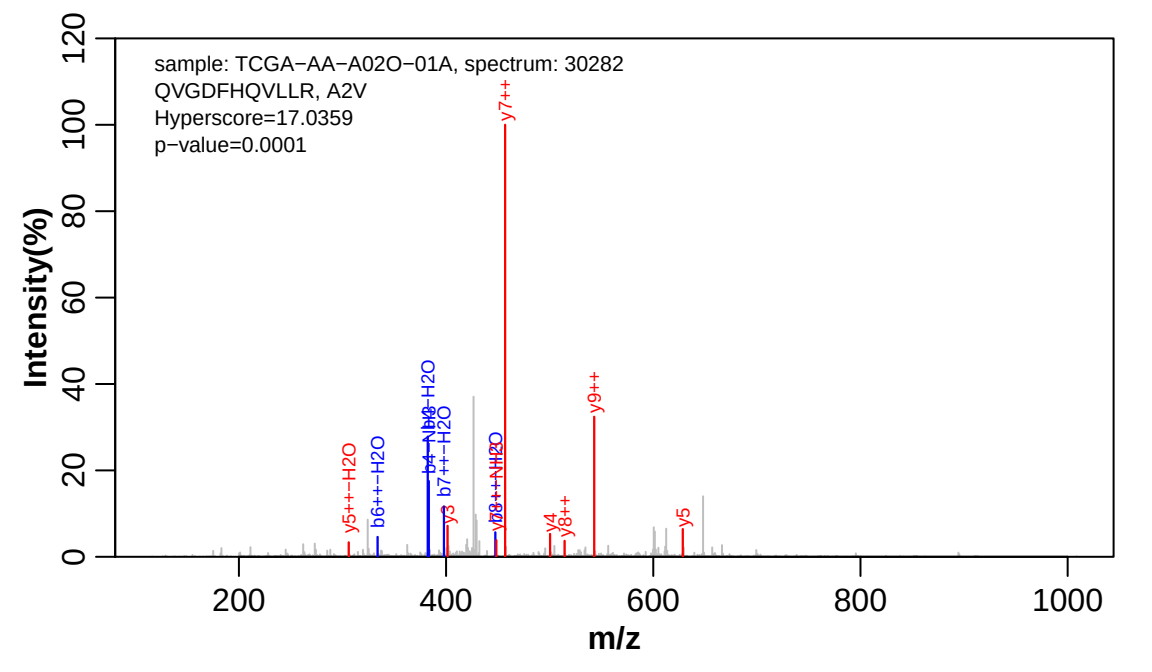

sample: TCGA−AA−A02O−01A, spectrum: 10559
MAQWGNKPLC, V9I
Hyperscore=30.4574
p−value=0.0004
Intensity(%)
m/z
y1
b3−NH3
b3
y3
b4−H2O
b4
b5−NH3
b5
y5−NH3
y5
b6−NH3
b6
b7−NH3
b7
y7−NH3
y7
b8
y8−NH3
y8
b9−NH3
b9

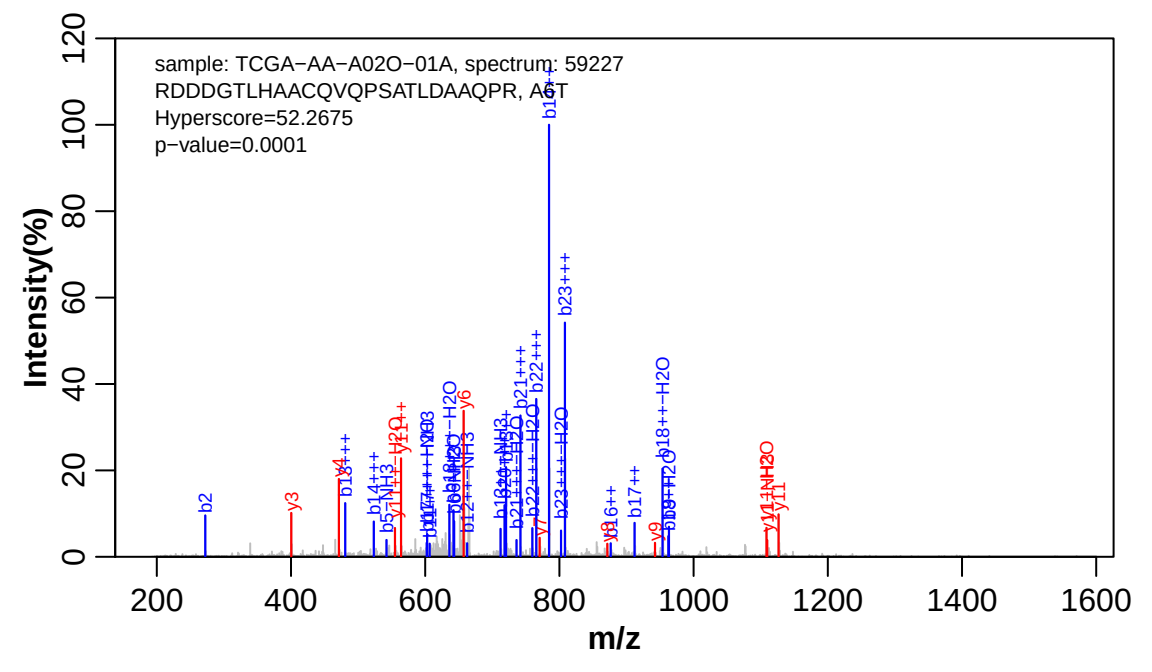

sample: TCGA−AA−A02O−01A, spectrum: 12203
MQYAPNTQVELLPQGR, H16R
Hyperscore=59.2126
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4++
y4
b12++
b11++
b11++ − H2O
y7++ − H2O
y13++
y7
y8
b8
b9
b10
b11
b12

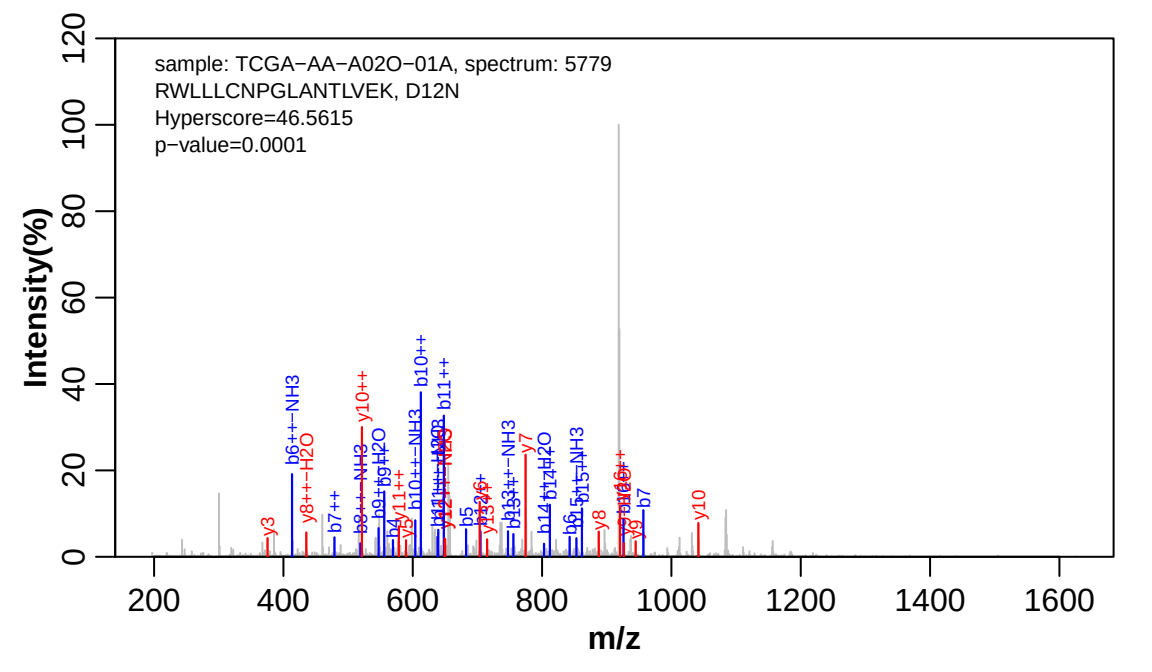

sample: TCGA−AA−A02O−01A, spectrum: 99435
NTLSNLAMRPGLEGYALPR, T4S
Hyperscore=45.1853
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
y10++
b11++
y13++
y16++
y12++
y17++
y14++
y15++
y10

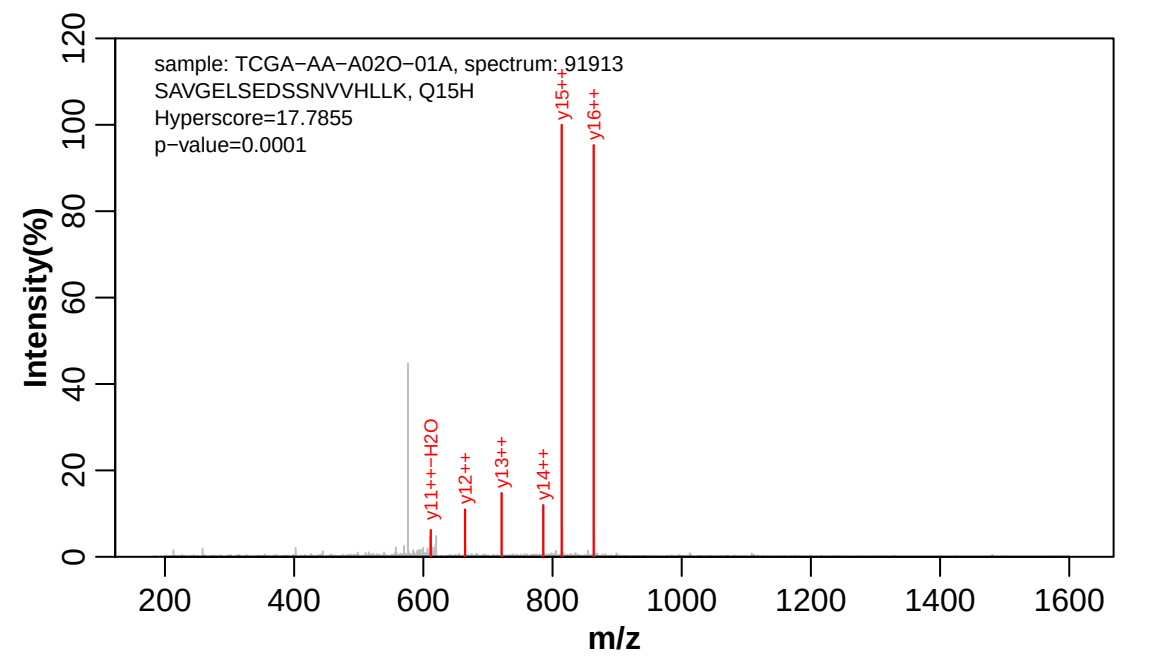

sample: TCGA−AA−A02O−01A, spectrum: 96385
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7392
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y8
y5
y9
b13
b12
b5
b8−NH3
b9−H2O

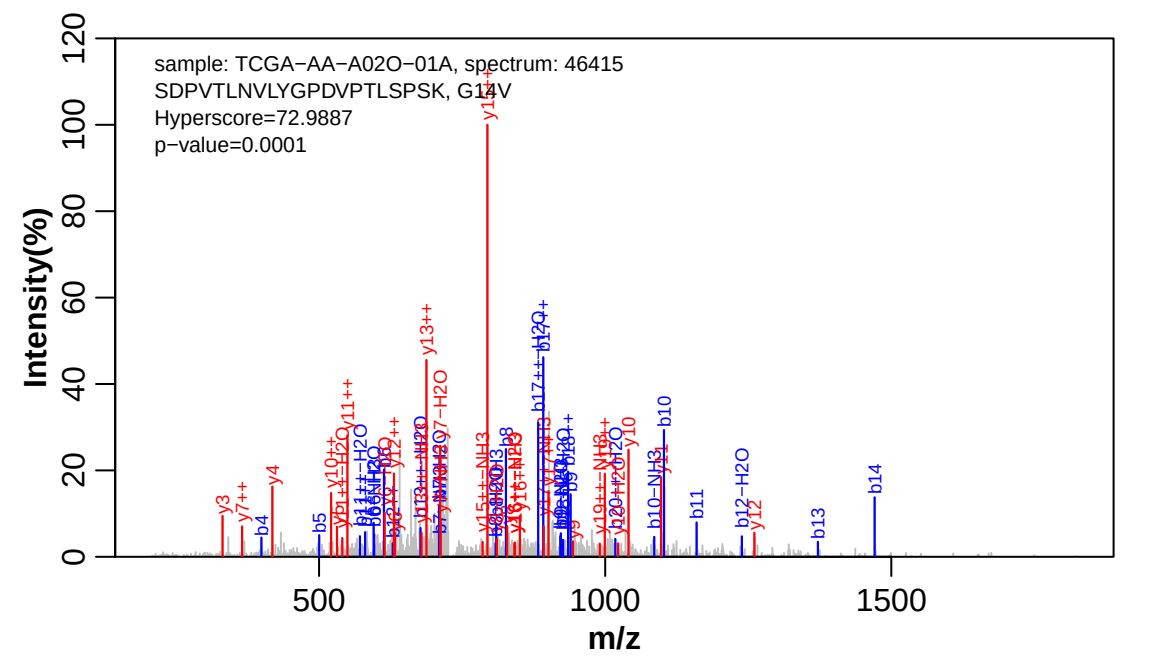

sample: TCGA−AA−A02O−01A, spectrum: 4895
QSGGSSQAGAVTVSDVQELMR, V10A
Hyperscore=51.9220
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b19++
b20++
b8−H2O
b13++−H2O
y8
y2
b8++
y6++
y10++
b12++−H2O
b13++
y9
b13−H2O
y10−NH3

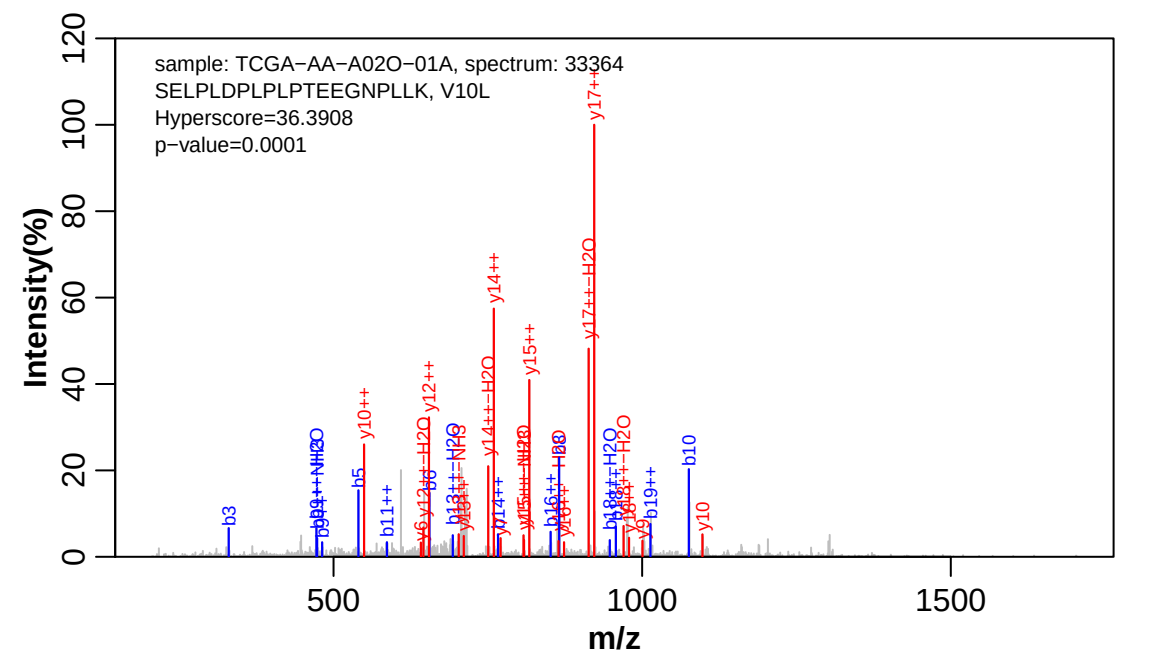

sample: TCGA−AA−A02O−01A, spectrum: 30282
QVGDFHQVLLR, A2V
Hyperscore=17.0359
p−value=0.0001
Intensity(%)
m/z
y7++
y9++
y5++−H2O
b6++−H2O
b7++−H2O
y3
y4
y8++
y5
0
20
40
60
80
100
120
200
400
600
800
1000

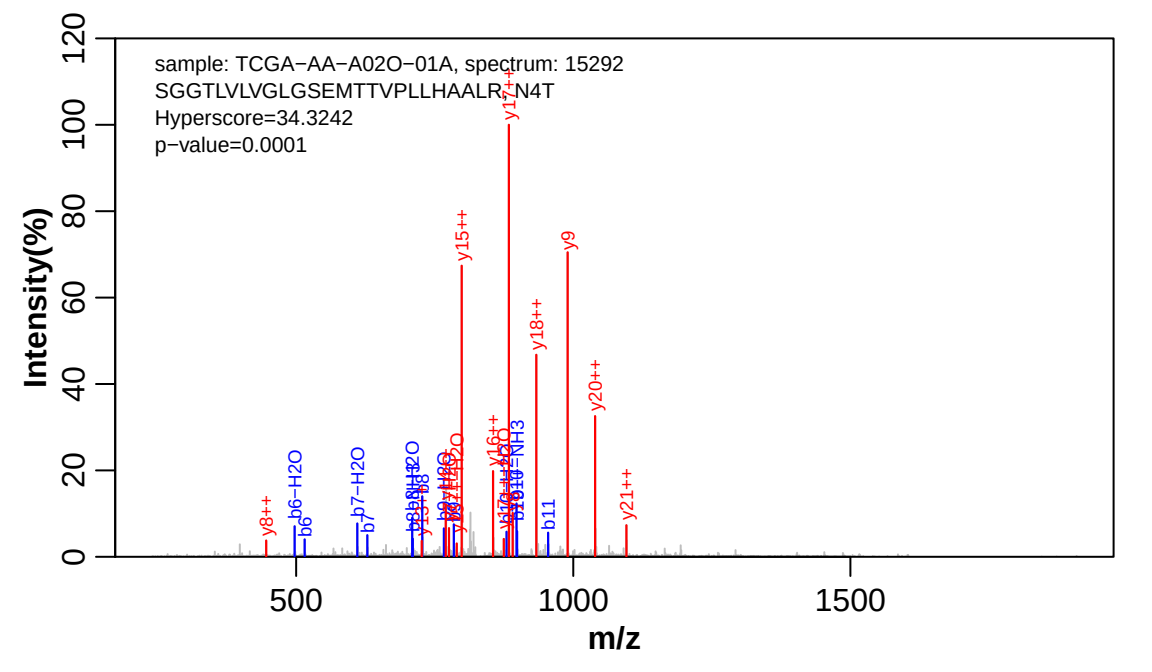

sample: TCGA−AA−A02O−01A, spectrum: 59227
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=52.2675
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
b14+++
b15+++
b18+++
b23+++
b22+++−H2O
b18+++−H2O
y11
y11−NH3
y11−H2O

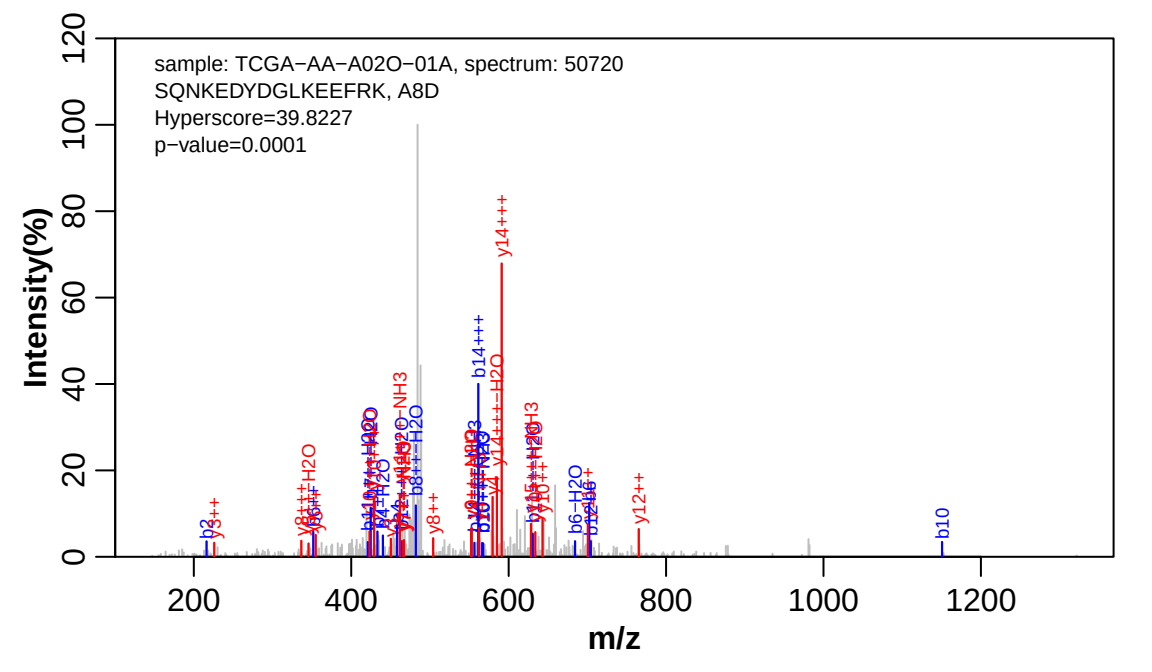

sample: TCGA−AA−A02O−01A, spectrum: 5779
RWLLLCNPGLANTLVEK, D12N
Hyperscore=46.5615
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
b6++−NH3
y8++−H2O
b7++
b8++−NH3
y10++
b9++−H2O
b4
y11++
y5
b10++−NH3
b10++
b11++
b5
y13++
b13++−NH3
y7
b14++H2O
b15++−NH3
y8
y9
b7
y10

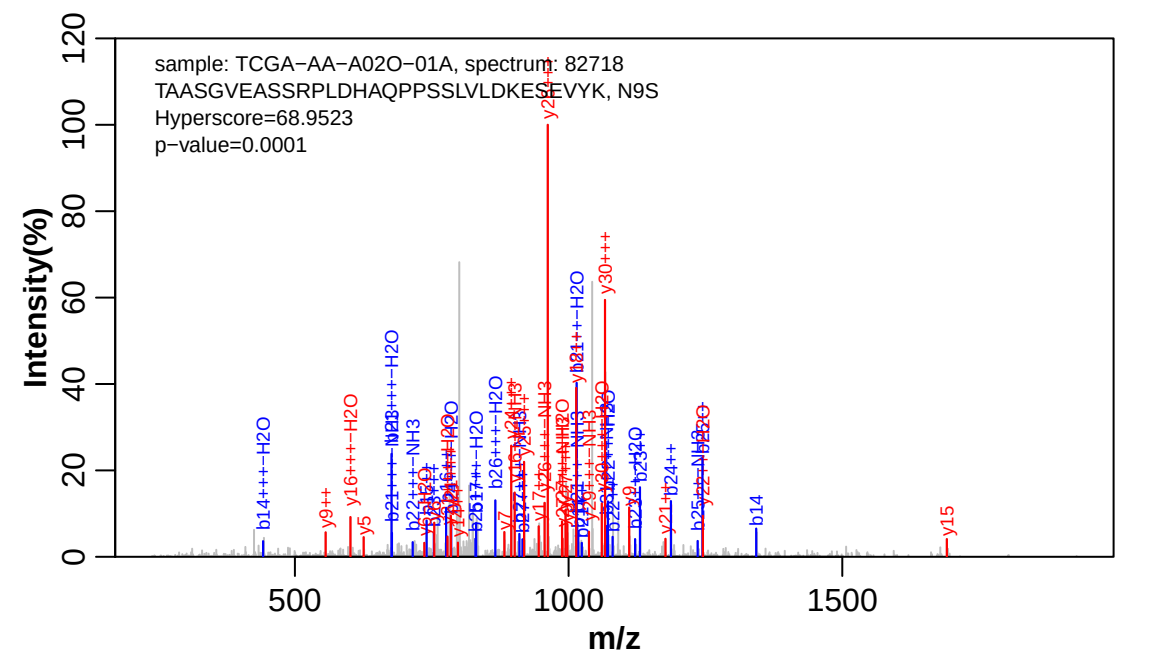

sample: TCGA−AA−A02O−01A, spectrum: 91913
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7855
p−value=0.0001
y15++
y16++
y11++−H2O
y12++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

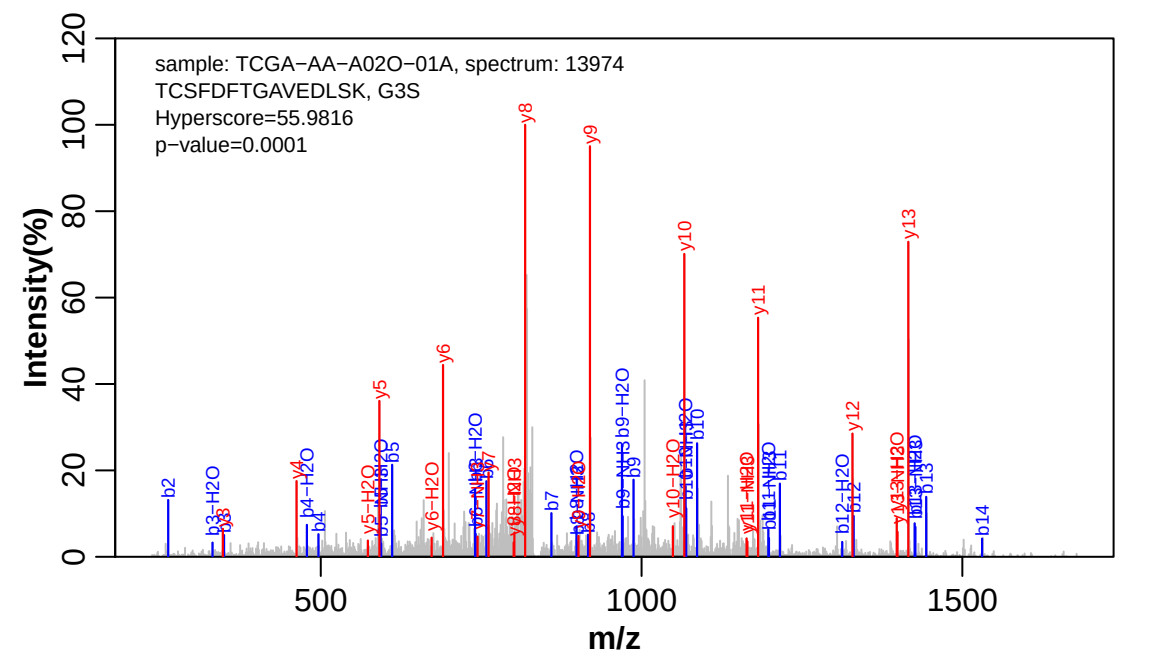

sample: TCGA−AA−A02O−01A, spectrum: 46415
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=72.9887
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y7++
b4
y4
b5
y10++
y11++
y13++
y12++
y15++−NH3
y16++−NH3
y18++−NH3
y19++−NH3
y10
b10
b10−NH3
b11
b12−H2O
y12
b13
b14

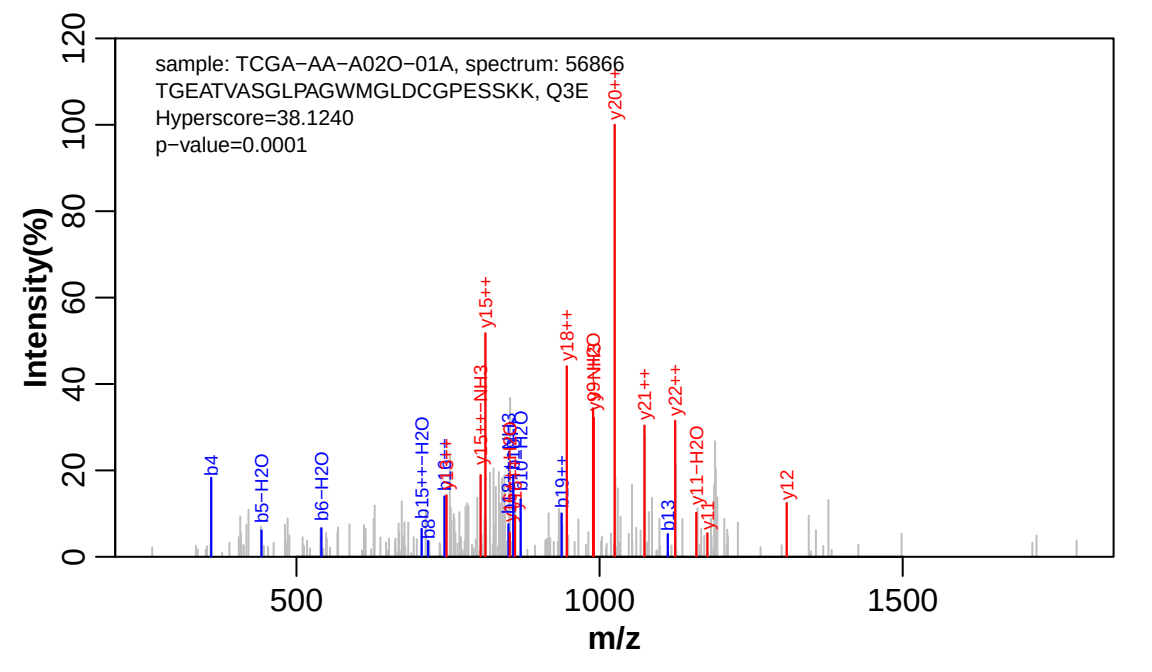

sample: TCGA−AA−A02O−01A, spectrum: 33364
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=36.3908
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
b5
y10++
b11++
y12++
y14++
y14++−H2O
y15++
y17++−H2O
b10
y10
y19++

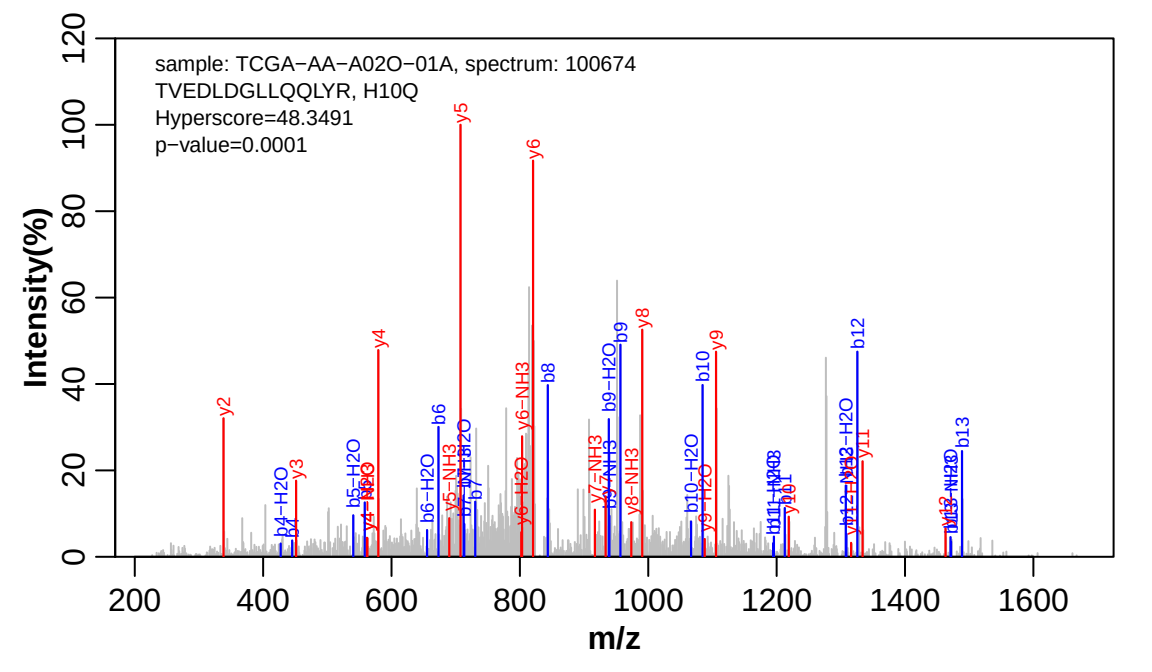

sample: TCGA−AA−A02O−01A, spectrum: 15292
SGGTLVLVGLGSEMTTVPLLHAALR_N4T
Hyperscore=34.3242
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y15++
y9
y18++
y20++
y21++
y8++
b6−H2O
b6
b7−H2O
b7
b11

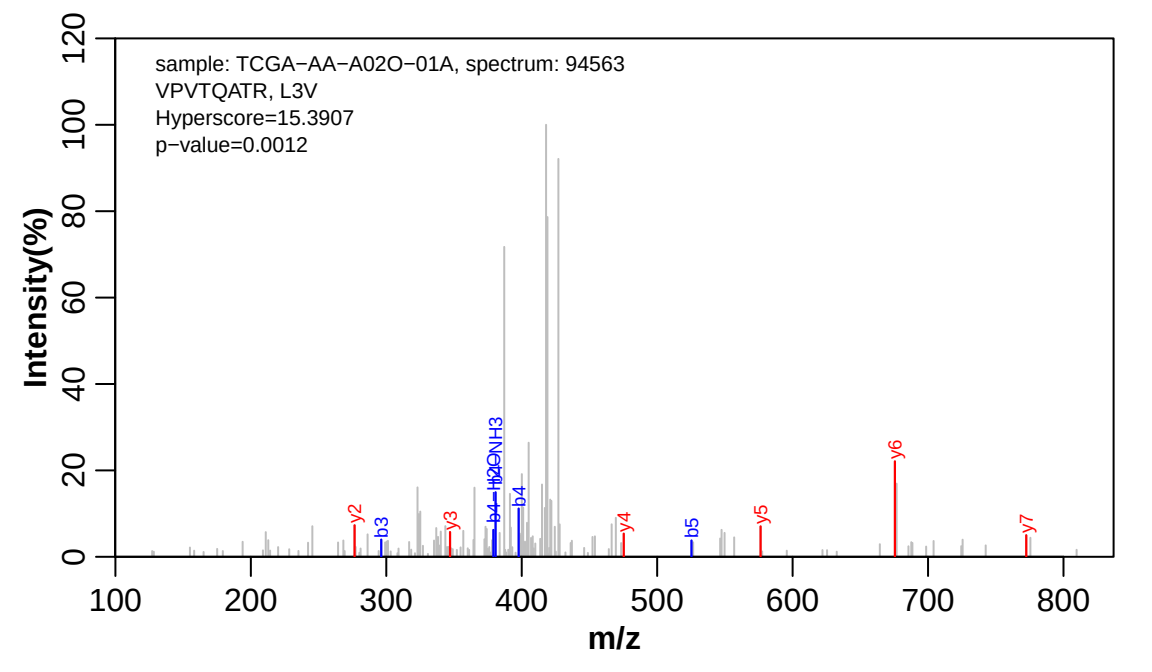

sample: TCGA−AA−A02O−01A, spectrum: 50720
SQNKEDYDGLKEEFRK, A8D
Hyperscore=39.8227
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3++
y8+++H2O
y8++
b8++−H2O
b14+++
y14+++
y14+++−H2O
b6−H2O
y12++
b10

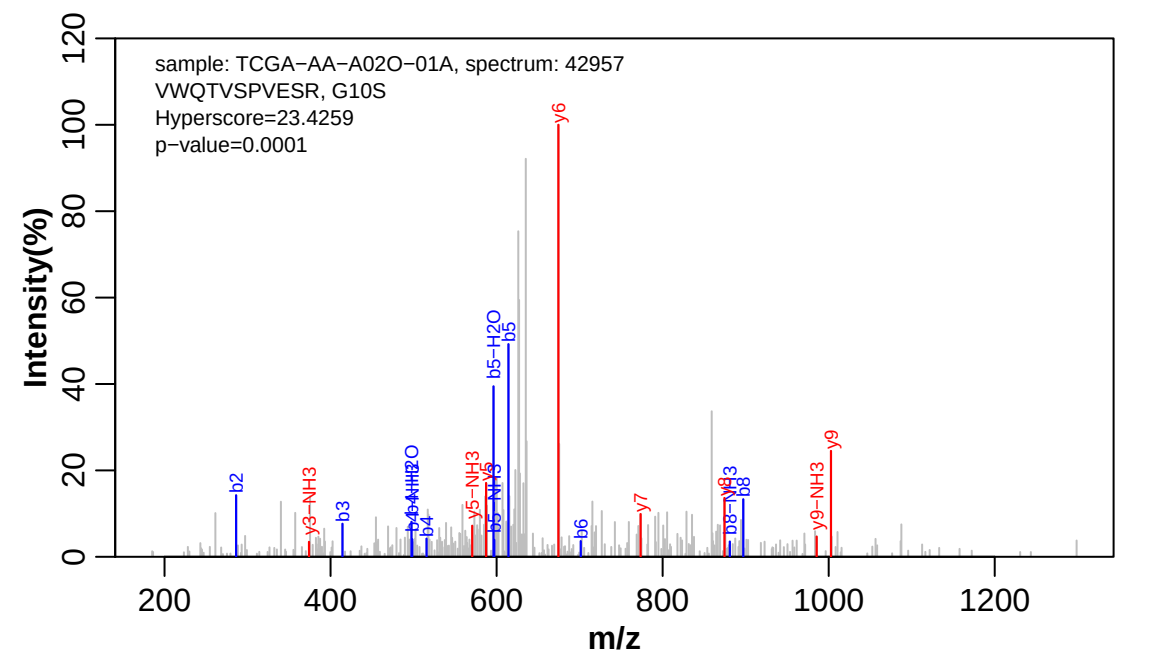

sample: TCGA−AA−A02O−01A, spectrum: 82718
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=68.9523
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b14+++−H2O
y9++
y16+++−H2O
y5
b21+++−H2O
b22+++−NH3
b26+++−H2O
y2++
y30+++
b14
y15

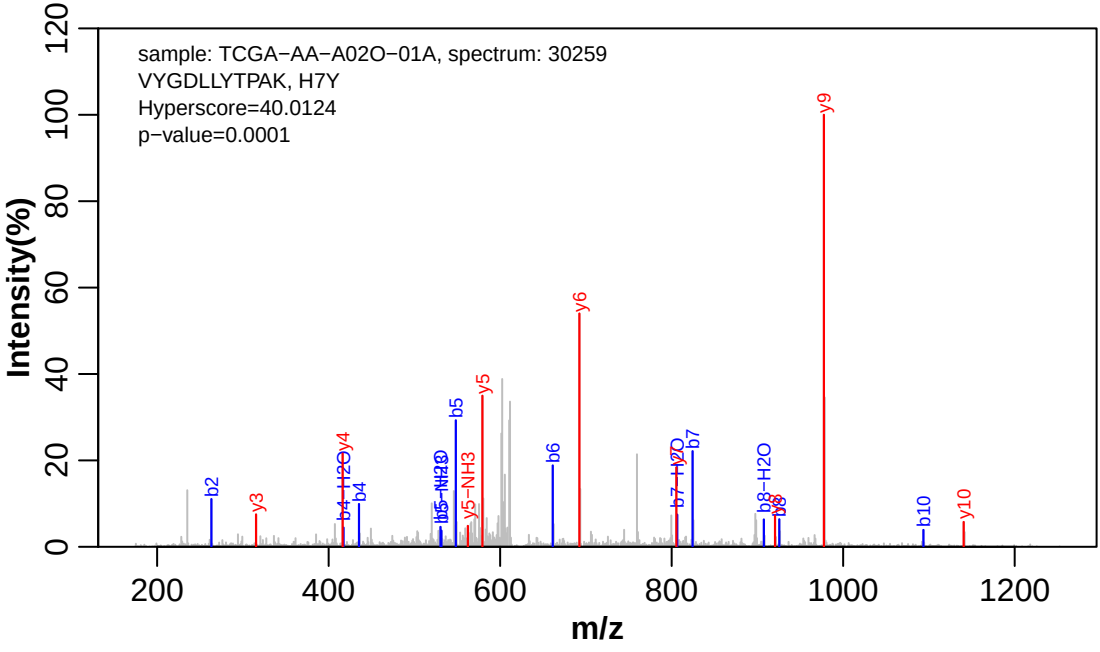

sample: TCGA−AA−A02O−01A, spectrum: 13974
TCSFDFTGAVEDLSK, G3S
Hyperscore=55.9816
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y9
y10
y11
y13
y6
y5
y12
b2
b14

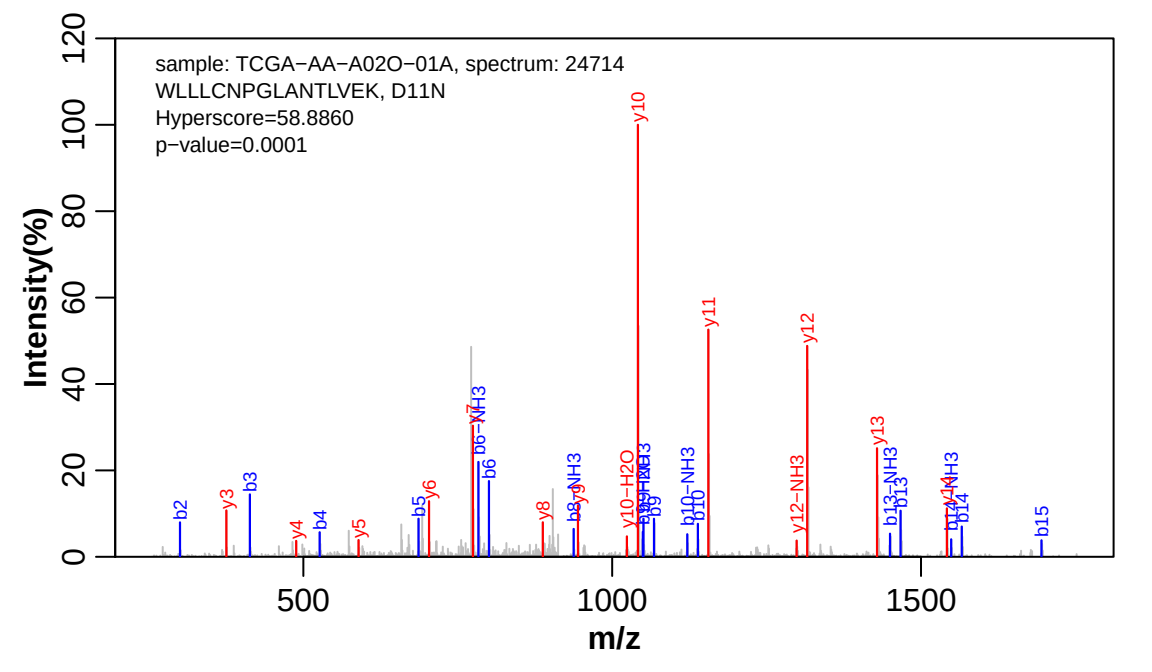

sample: TCGA−AA−A02O−01A, spectrum: 56866
TGEATVASGLPAGWMGLDCGPESSKK, Q3E
Hyperscore=38.1240
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4
b5−H2O
b6−H2O
b15++−H2O
b8
b10++
y15++−NH3
y15++
y18++
y21++
y22++
y11−H2O
y11
y12
b19++
b13
y20++

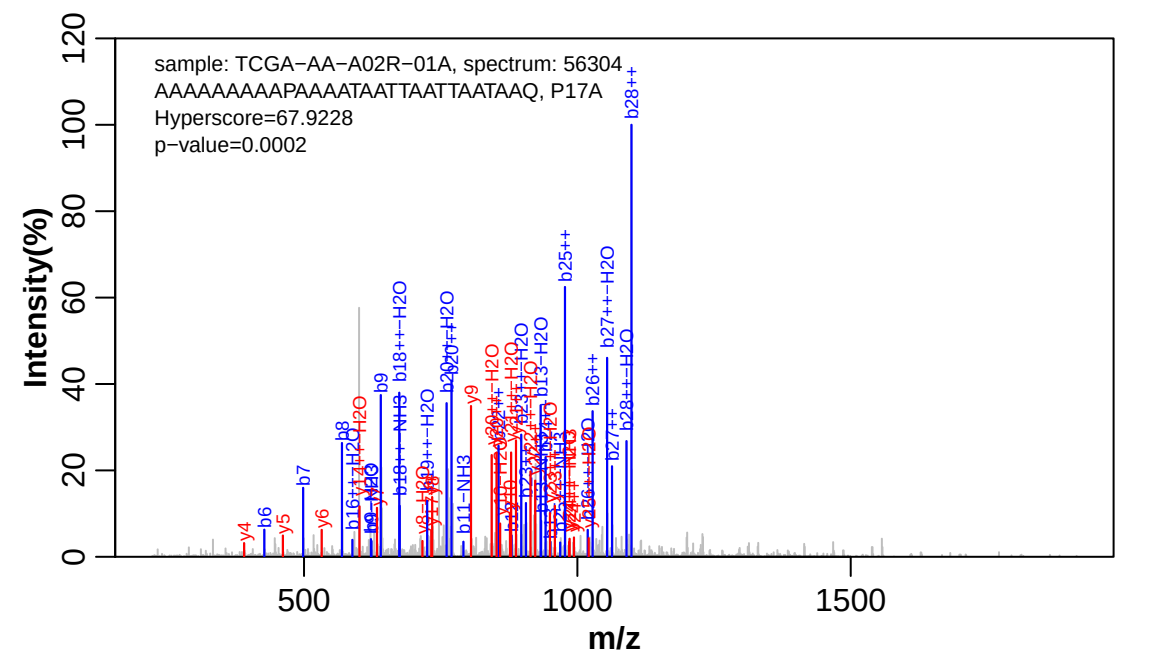

sample: TCGA−AA−A02O−01A, spectrum: 100674
TVEDLDGLLQQLYR, H10Q
Hyperscore=48.3491
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4
y5
y6
y8
y9
y10
y11
b4−H2O
b4
b5−H2O
b6
b6−H2O
b8
b9−H2O
b9
b10−H2O
b10
b12
b13
y6−NH3
y6−H2O
y5−NH3
y8−NH3
y9−H2O
y12−NH3−H2O
b9−NH3

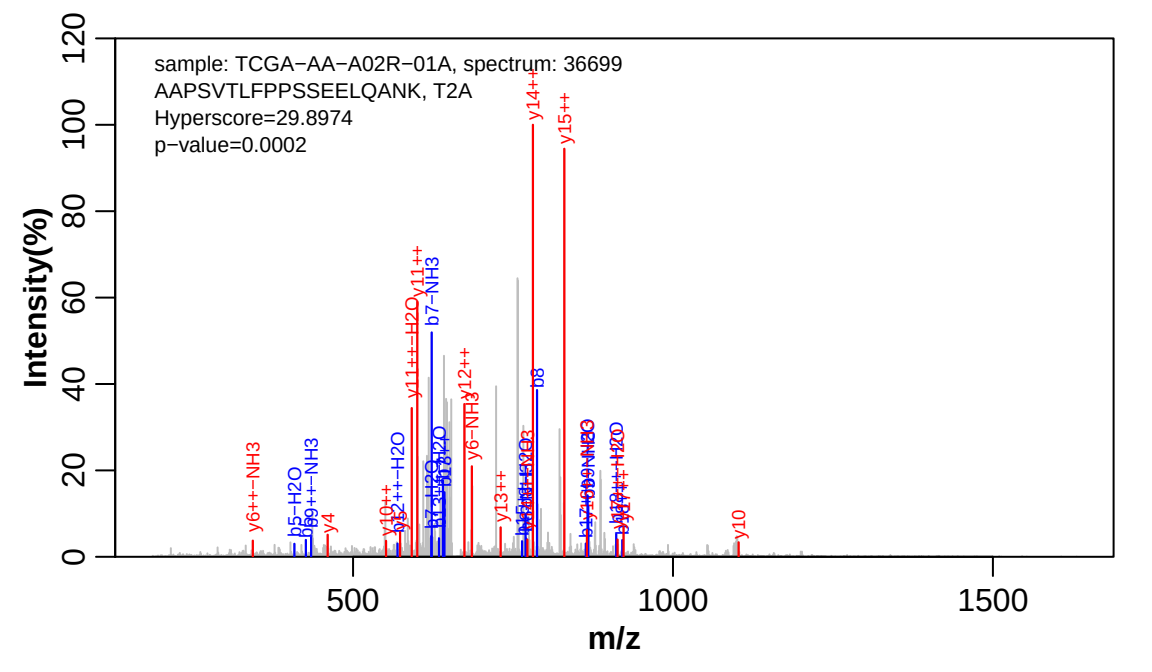

sample: TCGA−AA−A02O−01A, spectrum: 94563
VPVTQATR, L3V
Hyperscore=15.3907
p−value=0.0012
Intensity(%)
m/z
y2
b3
y3
b4−NH3
b4−H2O
b4
y4
b5
y5
y6
y7

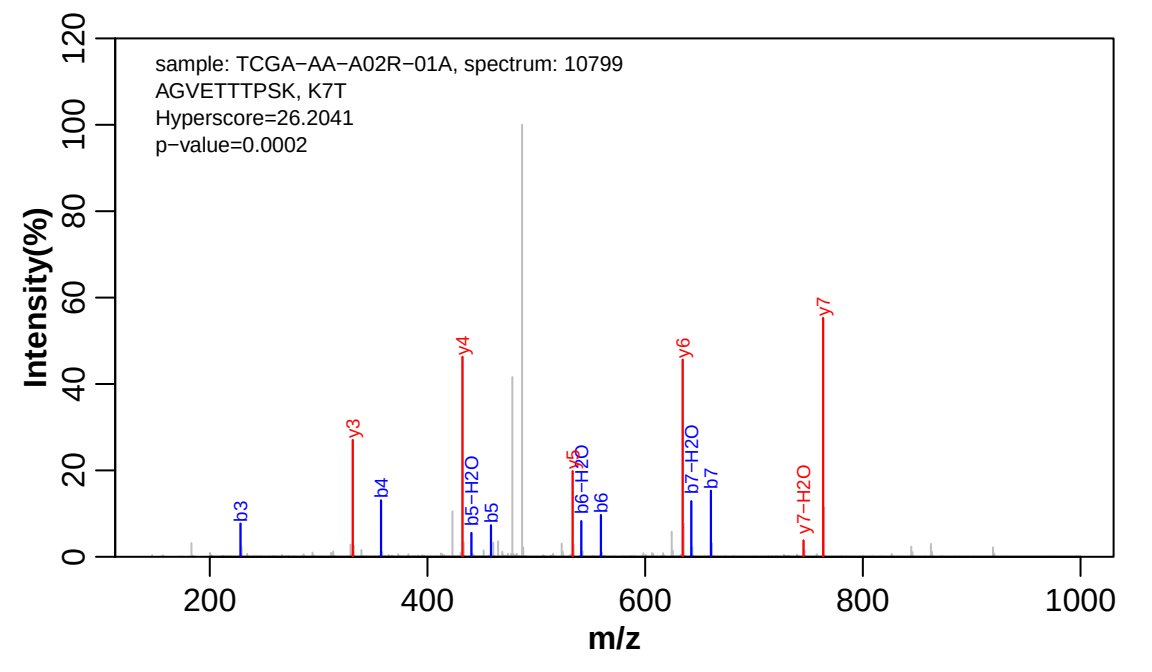

sample: TCGA−AA−A02O−01A, spectrum: 42957
VWQTVSPVESR, G10S
Hyperscore=23.4259
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
b5−H2O
b5
b2
y3−NH3
b3
y5−NH3
y5
b5−NH3
b4
b6
y7
y8−NH3
y8
b8
y9
y9−NH3

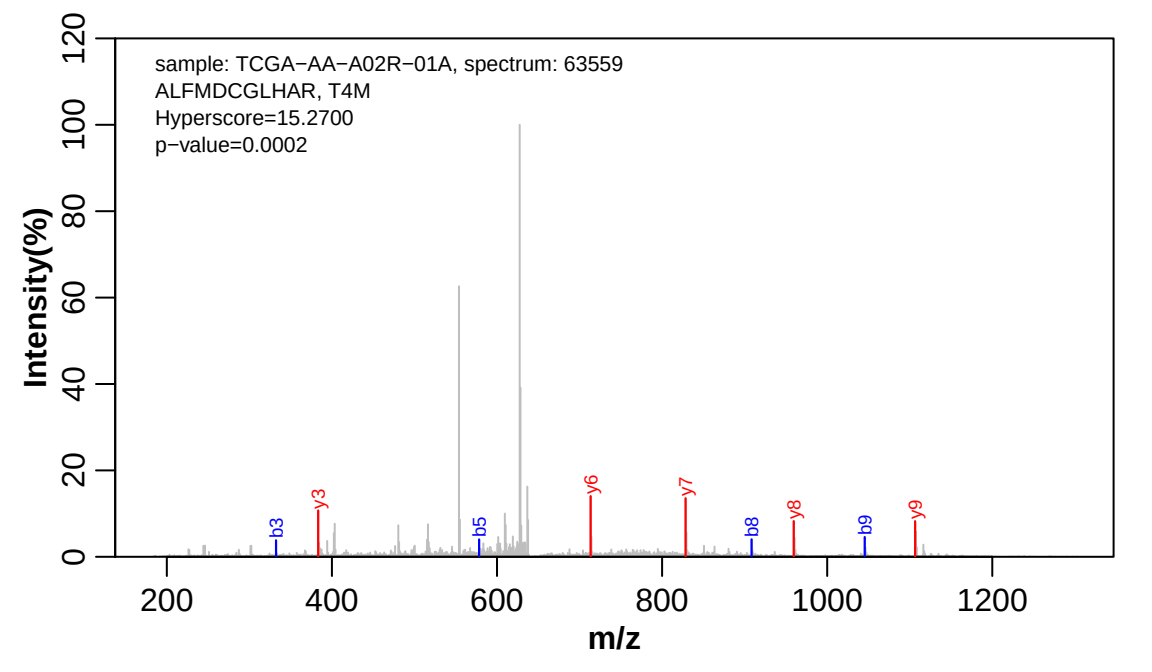

sample: TCGA−AA−A02O−01A, spectrum: 30259
VYGDLLYTPAK, H7Y
Hyperscore=40.0124
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
b4−H2O
y4
b4
b5
b5−NH3
y5−NH3
y5
y6
b6
b7−H2O
b7
b8−H2O
b8
b10
y9
y10

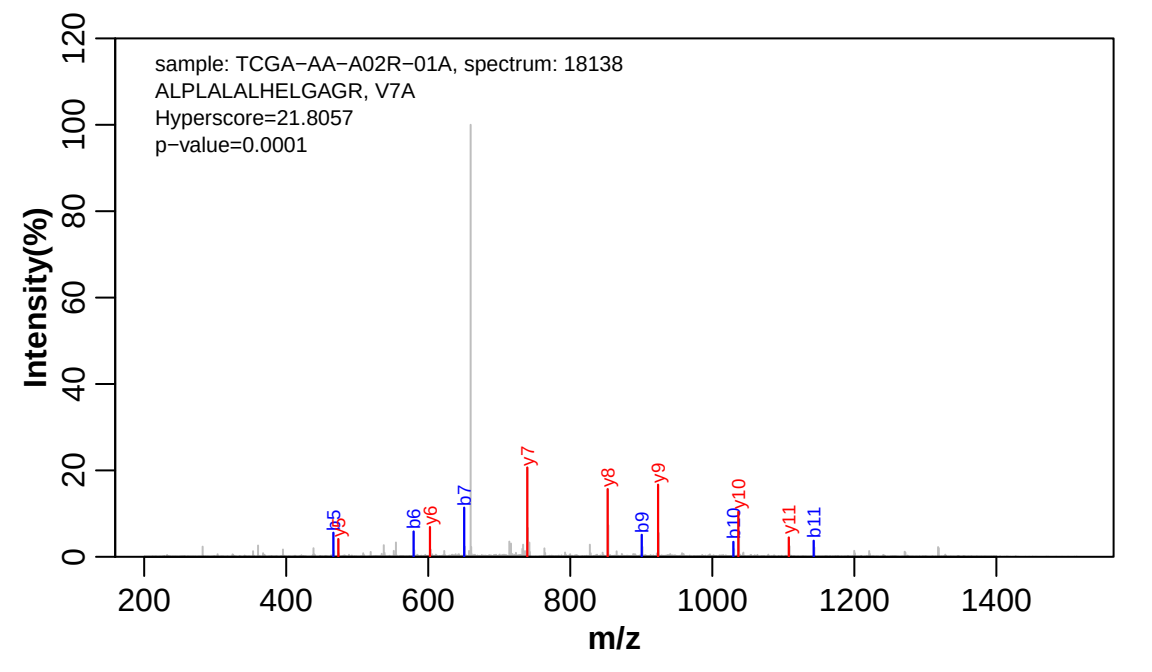

sample: TCGA−AA−A02O−01A, spectrum: 24714
WLLLCNPGLANTLVEK, D11N
Hyperscore=58.8860
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
b2
y3
b3
y4
b4
y5
b5
y6
y7
b6−NH3
b6
y8
b8−NH3
y10−H2O
b10−NH3
b10
y11
y12
y12−NH3
y13
b13−NH3
b13
b14
b15
y10

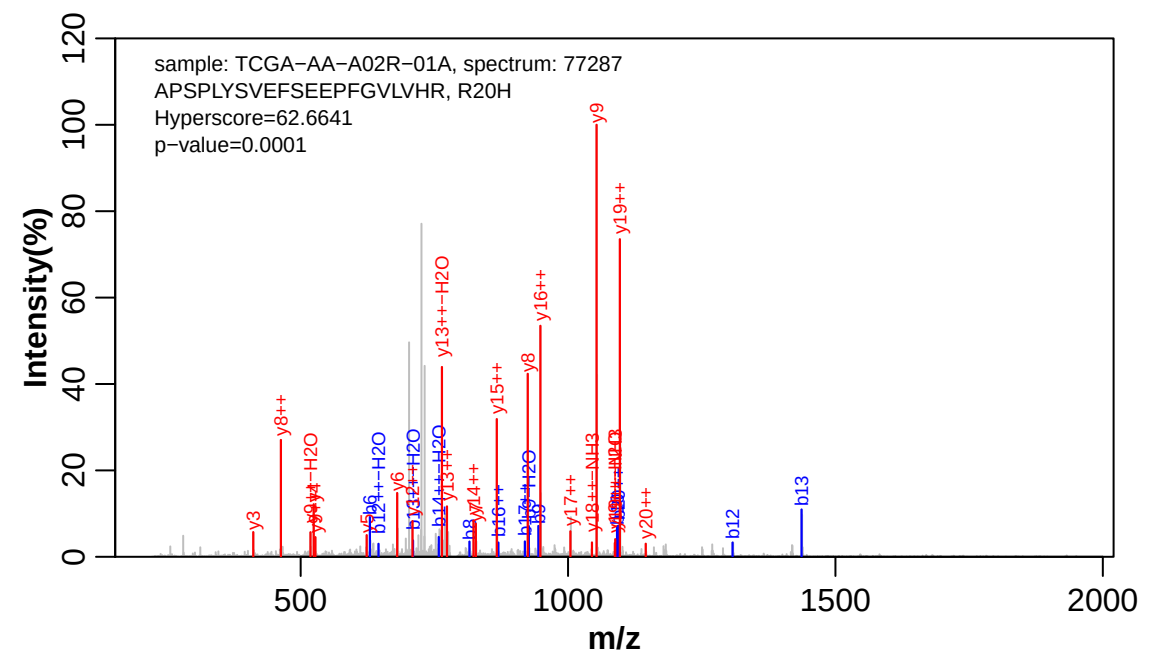

sample: TCGA−AA−A02R−01A, spectrum: 56304
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=67.9228
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b25++
b27++−H2O
b26++
b28++−H2O
b27++
b18++−H2O
b9
b18++−NH3
b20++−H2O
b20++
y9
b11−NH3
b13−H2O
b7
y6
y5
b6
y4
b8

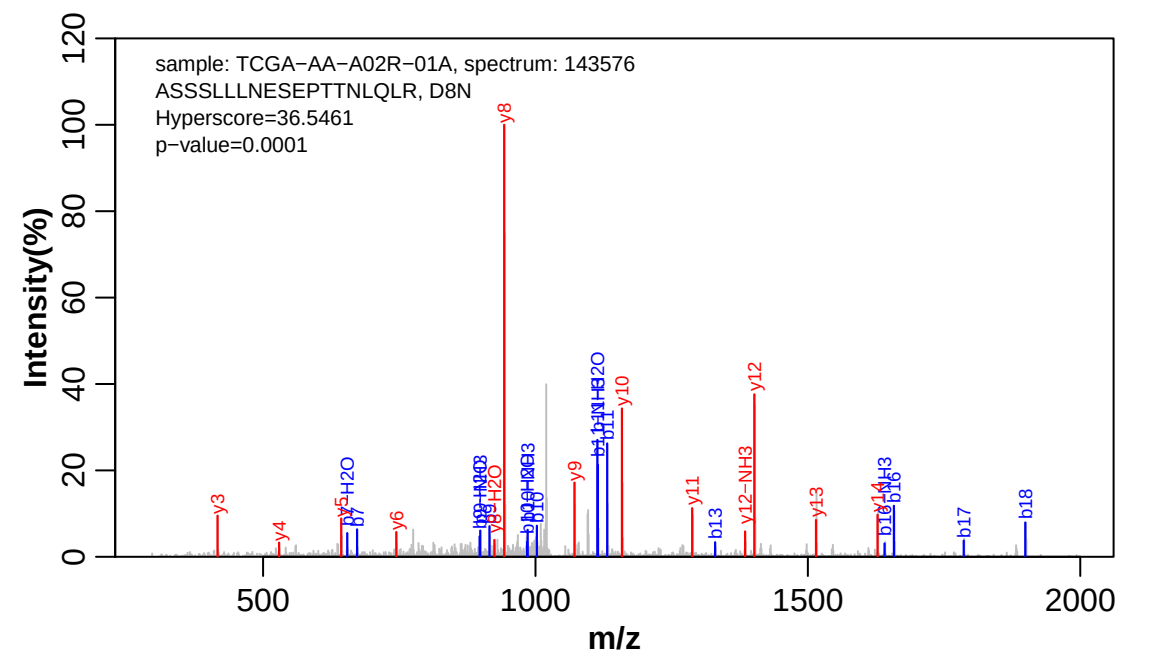

sample: TCGA−AA−A02R−01A, spectrum: 36699
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=29.8974
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y14++
y15++
y11++−H2O
y11++
b7−NH3
y12++
b8
y6++−NH3
b5−H2O
y4
y10++
y6++−H2O
y13++
y10

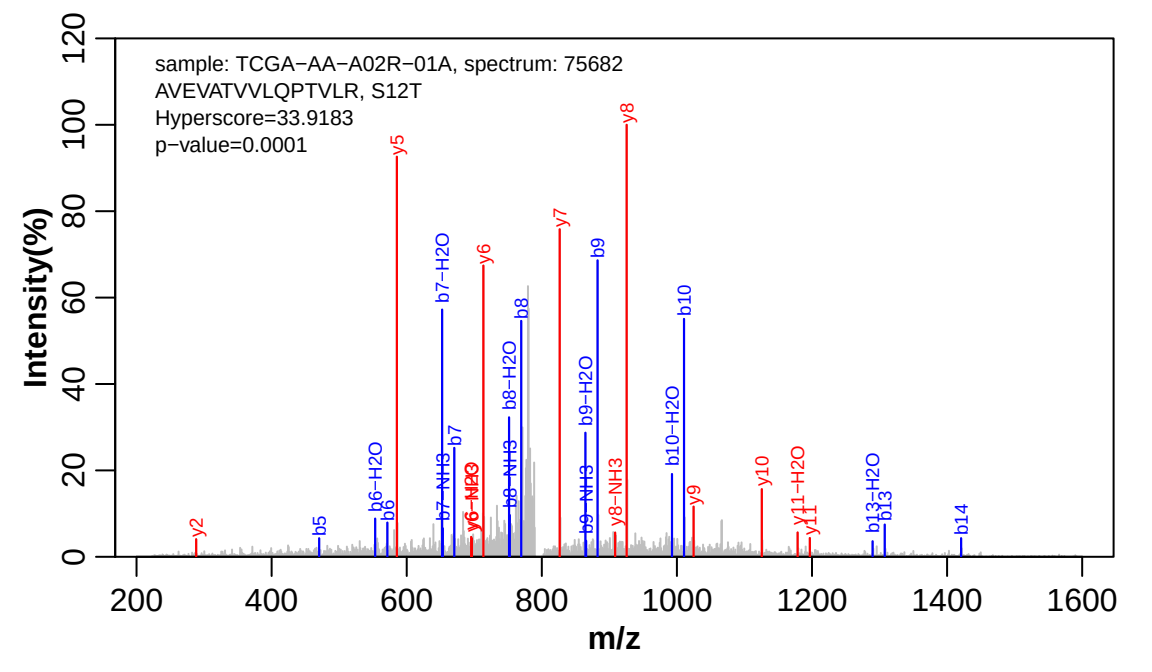

sample: TCGA−AA−A02R−01A, spectrum: 10799
AGVETTTPSK, K7T
Hyperscore=26.2041
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7−H2O
y7

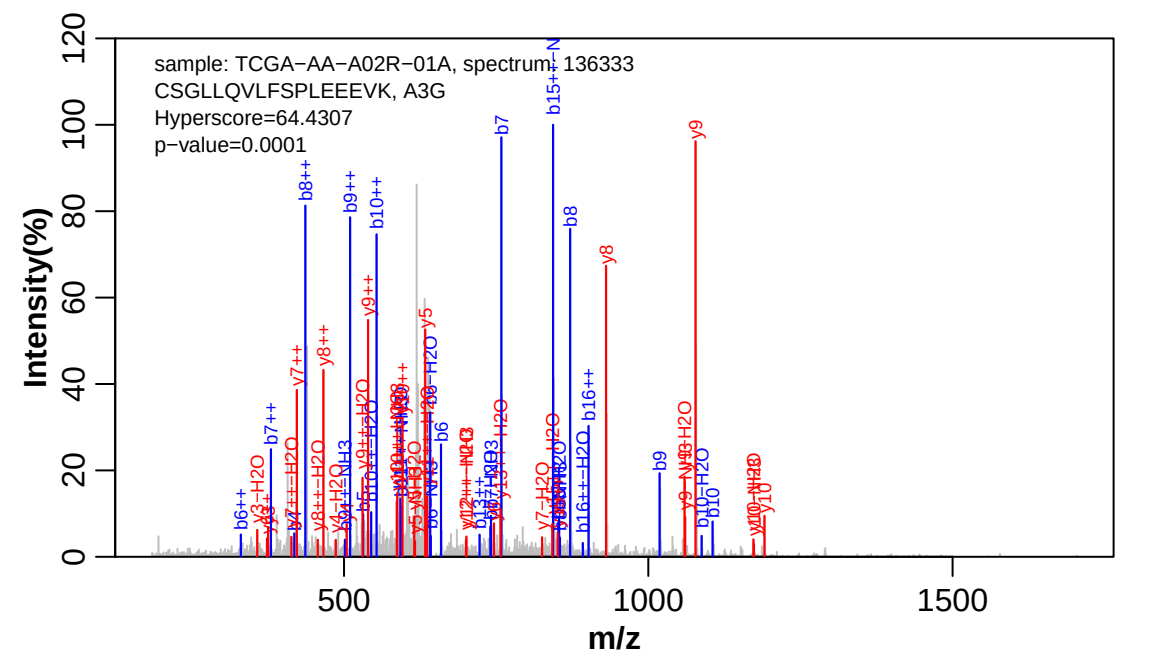

sample: TCGA−AA−A02R−01A, spectrum: 63559
ALFMDCGLHAR, T4M
Hyperscore=15.2700
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
m/z
b3
y3
b5
y6
y7
b8
y8
b9
y9

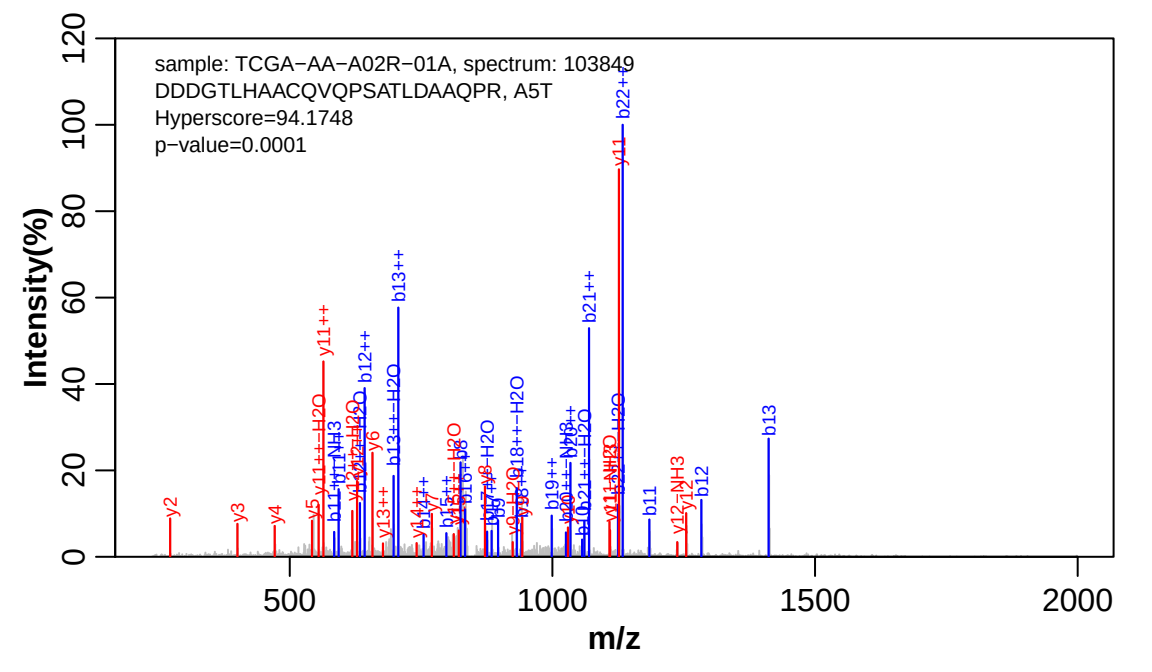

sample: TCGA−AA−A02R−01A, spectrum: 18138
ALPLALALHELGAGR, V7A
Hyperscore=21.8057
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
m/z
y5
b6
y6
b7
y7
y8
b9
y9
b10
y10
y11
b11

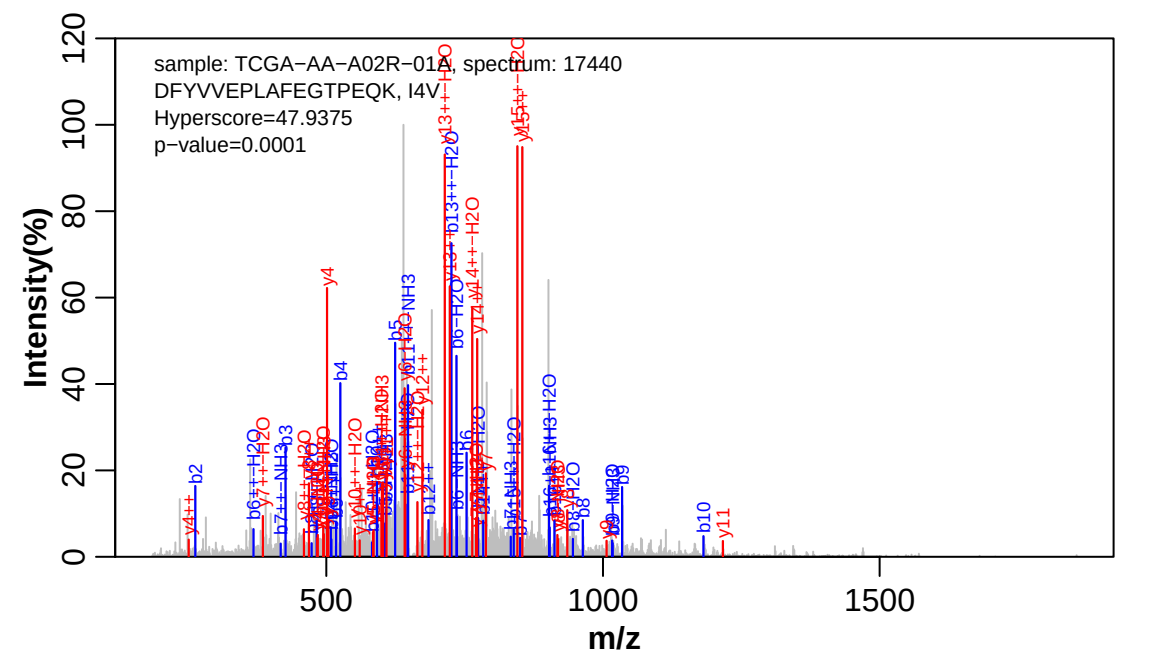

sample: TCGA−AA−A02R−01A, spectrum: 77287
APSPLYSVEFSEEPFGVLVHR, R20H
Hyperscore=62.6641
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y9
y19++
y13++−H2O
y16++
y8
y15++
y8++
y3
y8++−H2O
y6
b12++−H2O
b13++−H2O
y14++
b16++
y17++
y18++−NH3
y20++
b12
b13

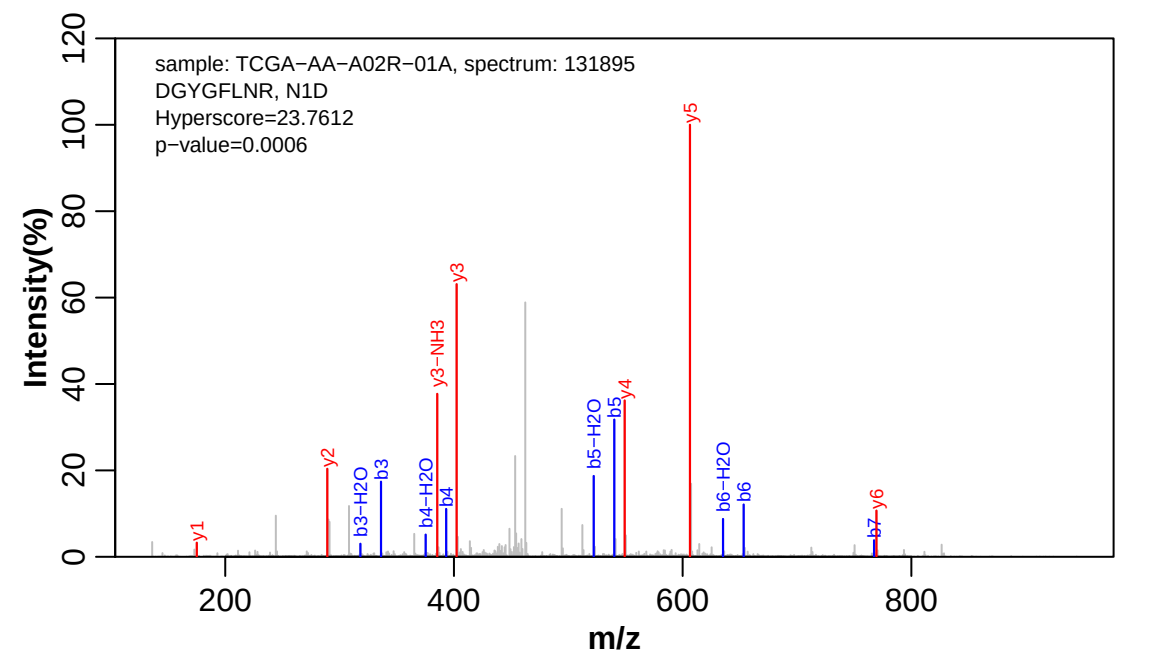

sample: TCGA−AA−A02R−01A, spectrum: 143576
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=36.5461
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y8
y3
y4
y5
y6
y9
y10
y11
y12
y13
b13
b17
b18
H2O
NH3

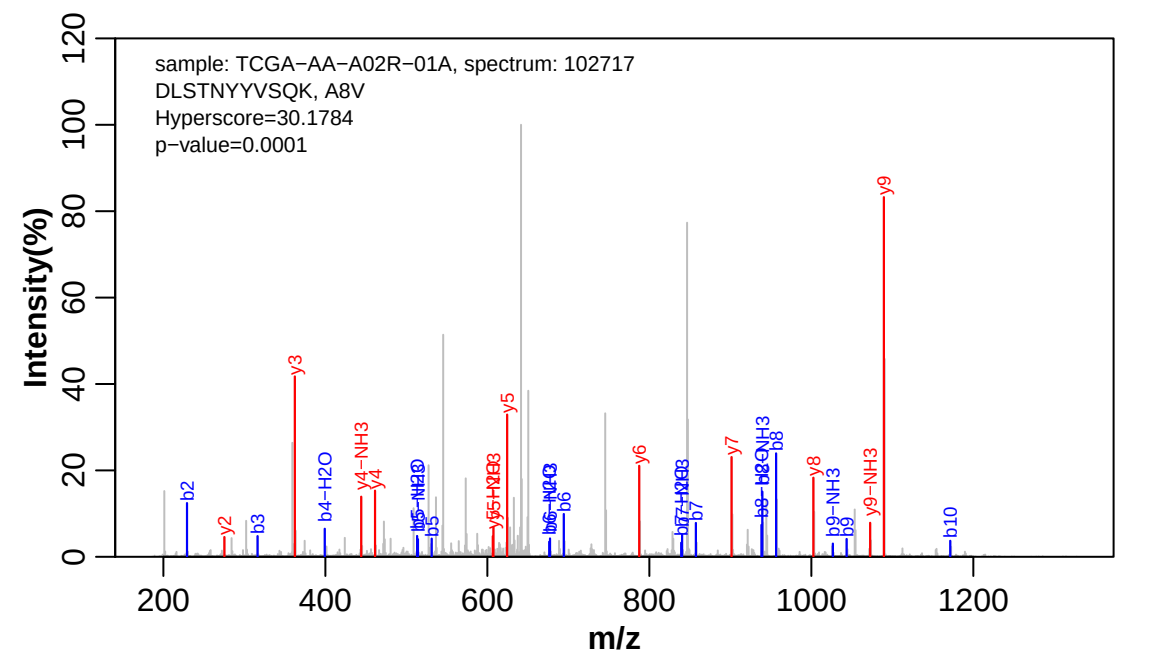

sample: TCGA−AA−A02R−01A, spectrum: 75682
AVEVATVVLQPTVLR, S12T
Hyperscore=33.9183
p−value=0.0001
Intensity(%)
m/z
y2
b5
b6−H2O
b6
y5
b7−NH3
b7
b7−H2O
y6−NH3
y6
b8−NH3
b8
b8−H2O
y7
b9−NH3
b9
b9−H2O
y8−NH3
y8
b10−H2O
b10
y9
y10
y11−H2O
y11
b13−H2O
b13
b14

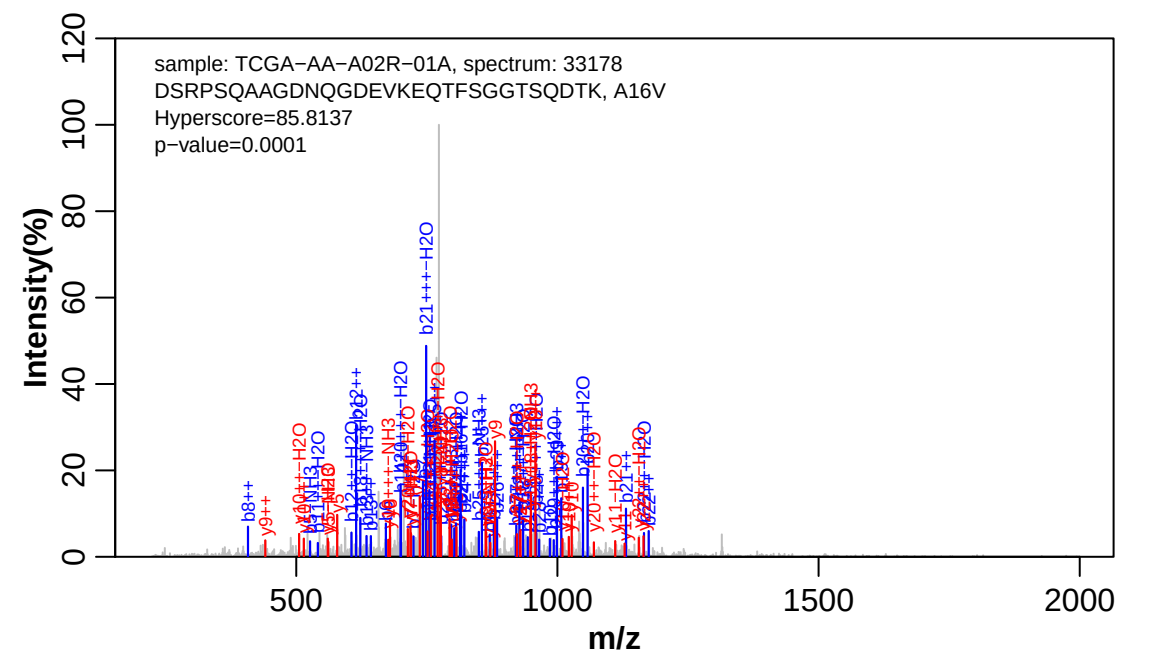

sample: TCGA−AA−A02R−01A, spectrum: 136333
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=64.4307
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b6++
b7++
b8++
b9++
b10++
b15++−N
b7
y9
y8
y7++
y8++
y9++
b8
b16++
b9
y5
b6
b16++−H2O
y7−H2O
b10−H2O
y8−H2O
y9−H2O
b7−H2O
b8−H2O
y3−H2O
y4−H2O
b5−H2O
y9++−H2O
b7−NH3
y4−NH3
b5−NH3
y8−NH3
y10−H2O
y10−NH3

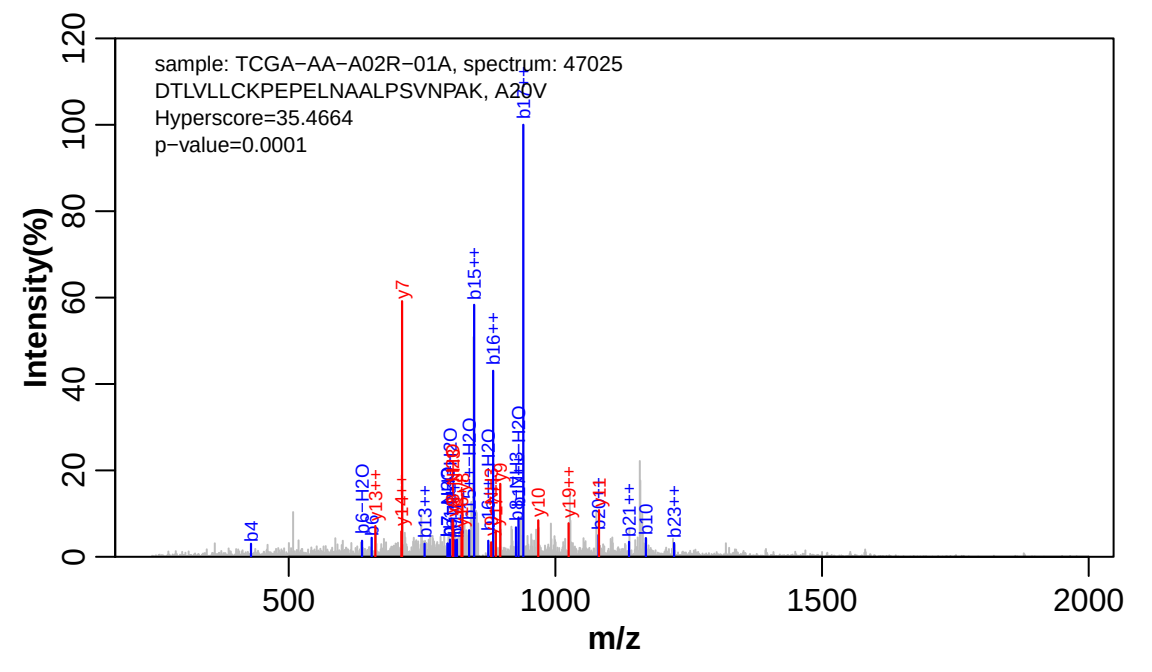

sample: TCGA−AA−A02R−01A, spectrum: 103849
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=94.1748
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y4
y5
y11++−H2O
y11++
b11++NH3
b12++
y6
b13++
b13++−H2O
y13++
b21++
b22++
y11
b11
b13
y12−NH3
b12

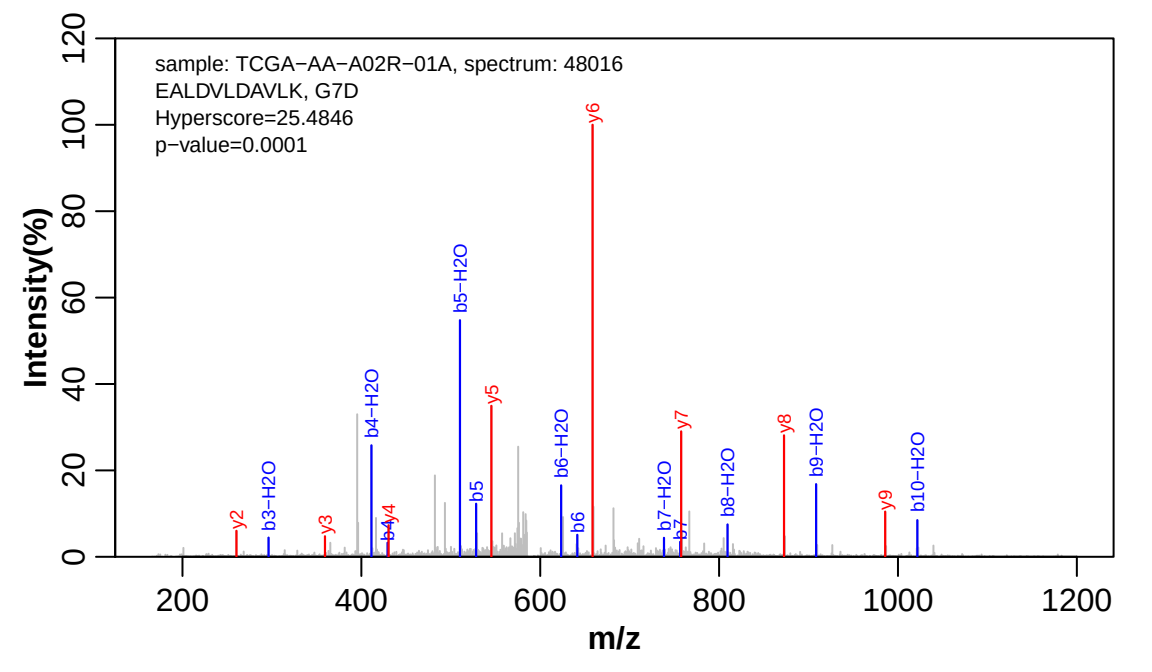

sample: TCGA−AA−A02R−01A, spectrum: 17440
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=47.9375
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
b4
b2
y4++
b3
y11
b10
b8
b9
y15++−H2O
y13++−H2O
b13++−H2O
b6−H2O
y14++−H2O
y12++
b12++
b5
y11++−NH3
y11++−H2O
y10++−H2O
b7++−H2O
b7++−NH3
y14++
b6
b6−NH3
y7++−H2O
y7++−NH3
b4−NH3−H2O
b4−NH3
b8−NH3
b8−H2O
b8
b9−NH3
b9
y11−NH3−H2O
y11−H2O
y11−NH3
y11
b10

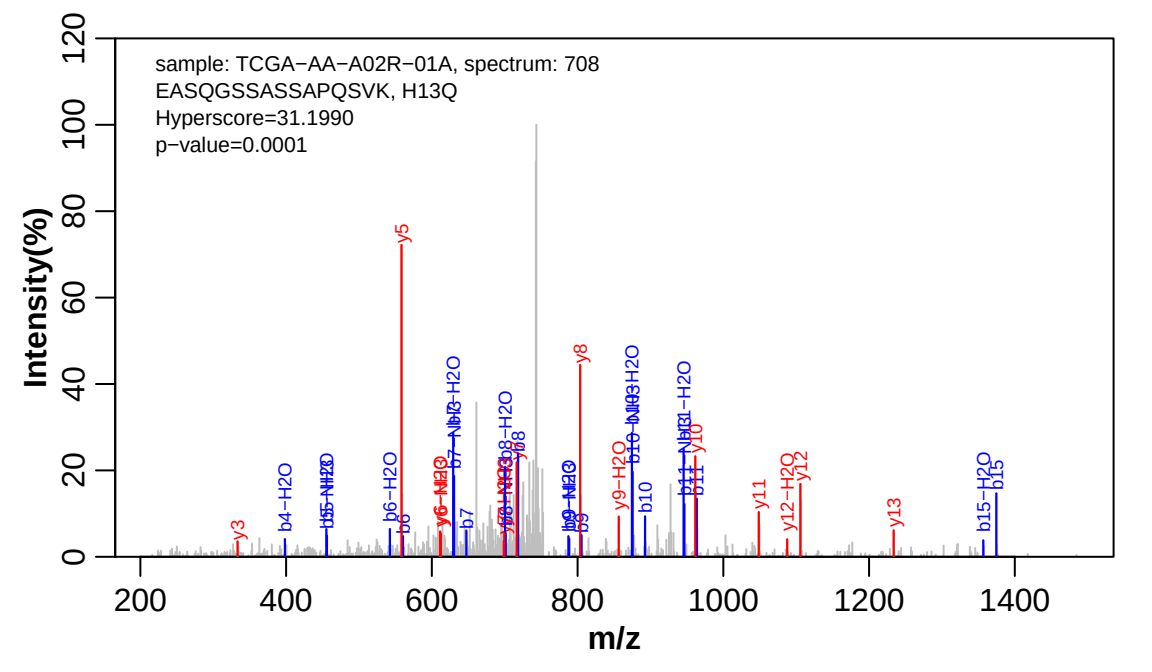

sample: TCGA−AA−A02R−01A, spectrum: 131895
DGYGFLNR, N1D
Hyperscore=23.7612
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

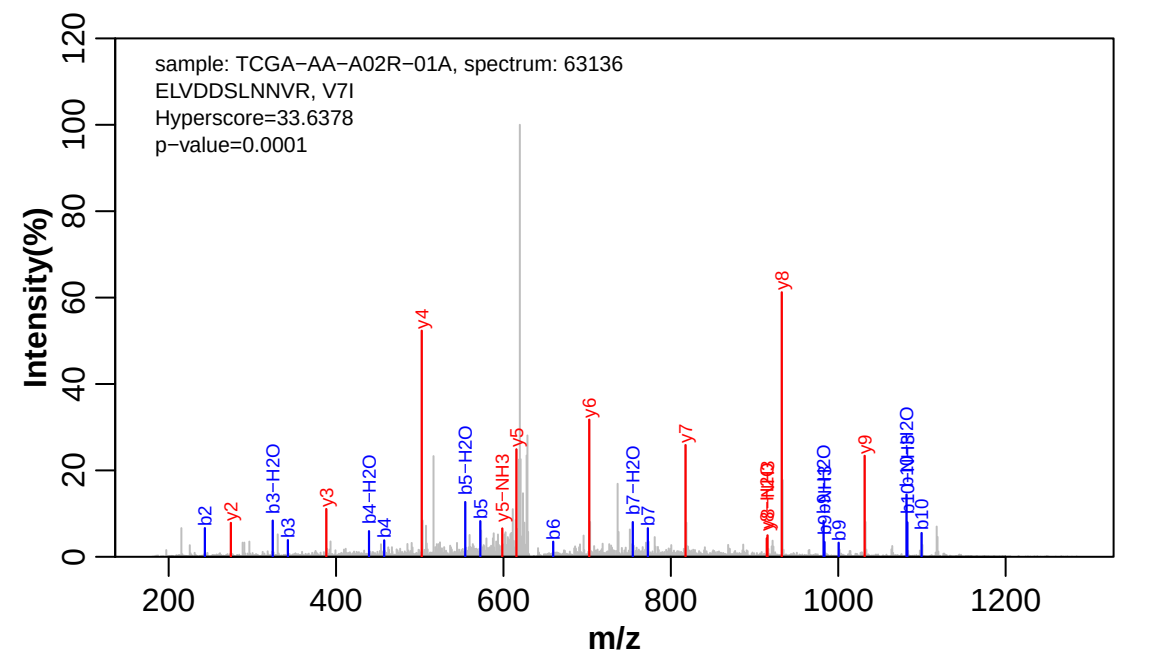

sample: TCGA−AA−A02R−01A, spectrum: 102717
DLSTNYYVSQK, A8V
Hyperscore=30.1784
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−H2O
y4−NH3
y4
y5
y6
b6
b7
y7
b8
y8
b9−NH3
b9
y9−NH3
y9
b10

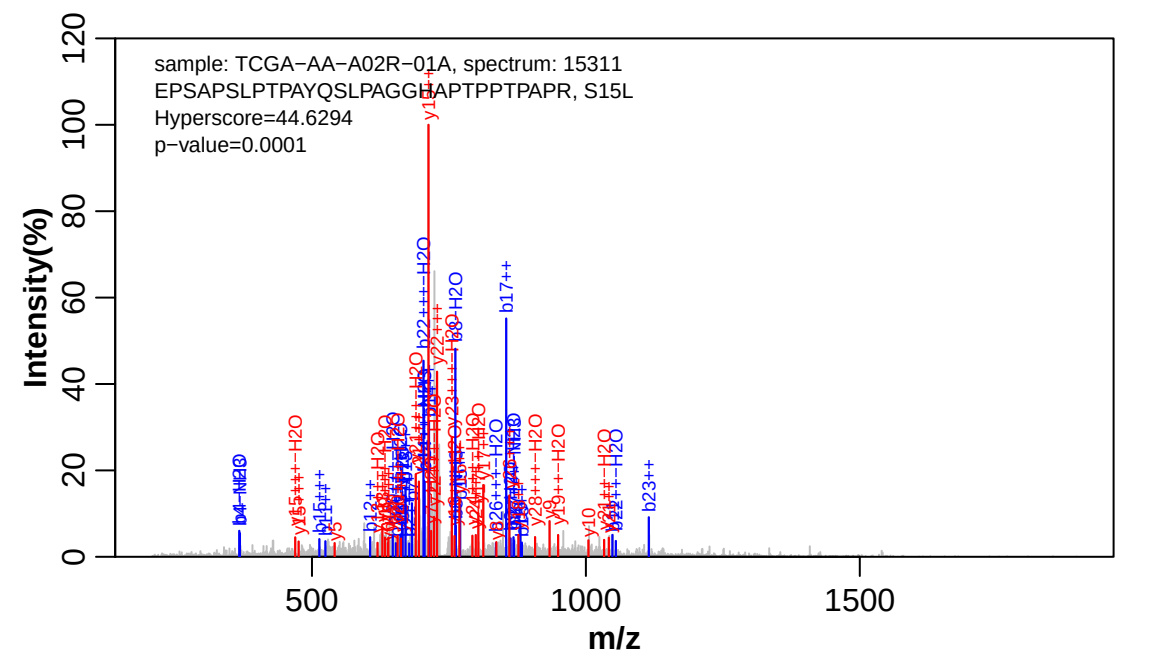

sample: TCGA−AA−A02R−01A, spectrum: 33178
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=85.8137
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

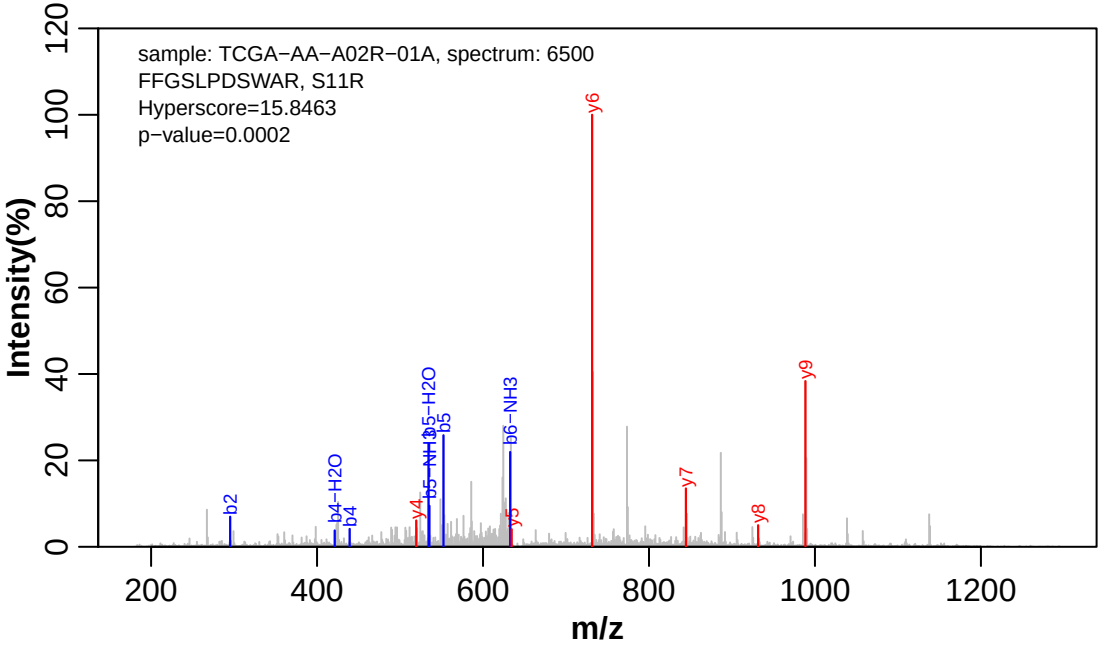

sample: TCGA−AA−A02R−01A, spectrum: 47025
DTLVLLCKPEPELNAALPSVNPAK, A20V
Hyperscore=35.4664
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b4
b6−H2O
y13++
y14++
b13++
y7
b15++
b16++
y10
y19++
b21++
b10
b23++

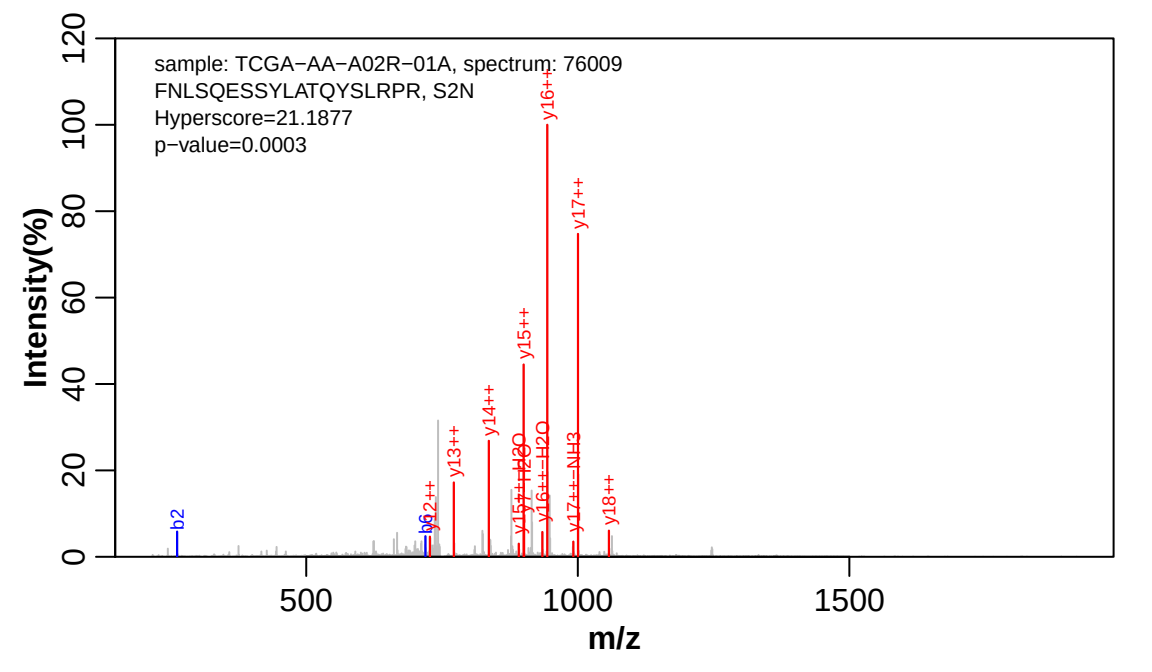

sample: TCGA−AA−A02R−01A, spectrum: 48016
EALDVLDAVLK, G7D
Hyperscore=25.4846
p−value=0.0001
Intensity(%)
m/z
y6
b5−H2O
y5
b4−H2O
b6−H2O
y7
y8
b9−H2O
b8−H2O
b7−H2O
b10−H2O
y9
b5
b6
b7
b4/y4
y2
b3−H2O
y3

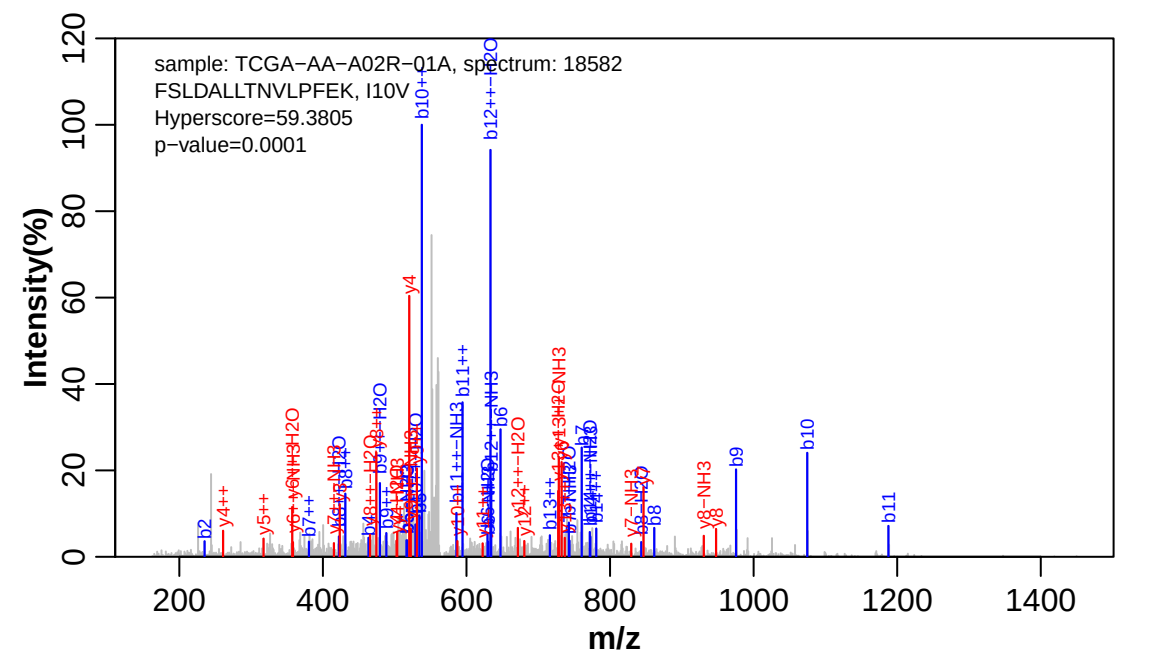

sample: TCGA−AA−A02R−01A, spectrum: 708
EASQGSSASSAPQSVK, H13Q
Hyperscore=31.1990
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b4−H2O
b6−H2O
b6
y5
b7
b7−NH3−H2O
y8
y9−H2O
b10
b10−NH3−H2O
b11−H2O
y10
y11
y12−H2O
y12
y13
b15−H2O
b15

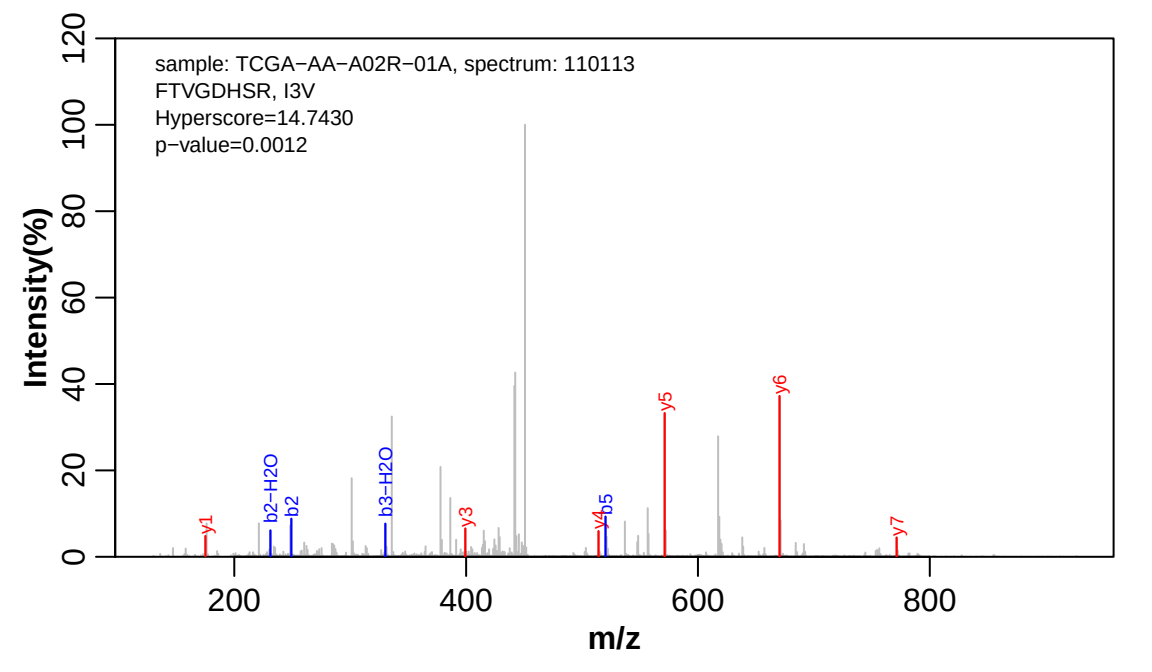

sample: TCGA−AA−A02R−01A, spectrum: 63136
ELVDDSLNNVR, V7I
Hyperscore=33.6378
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5−NH3
y5
b6
y6
b7−H2O
b7
y7
y8
b9
y9
b10

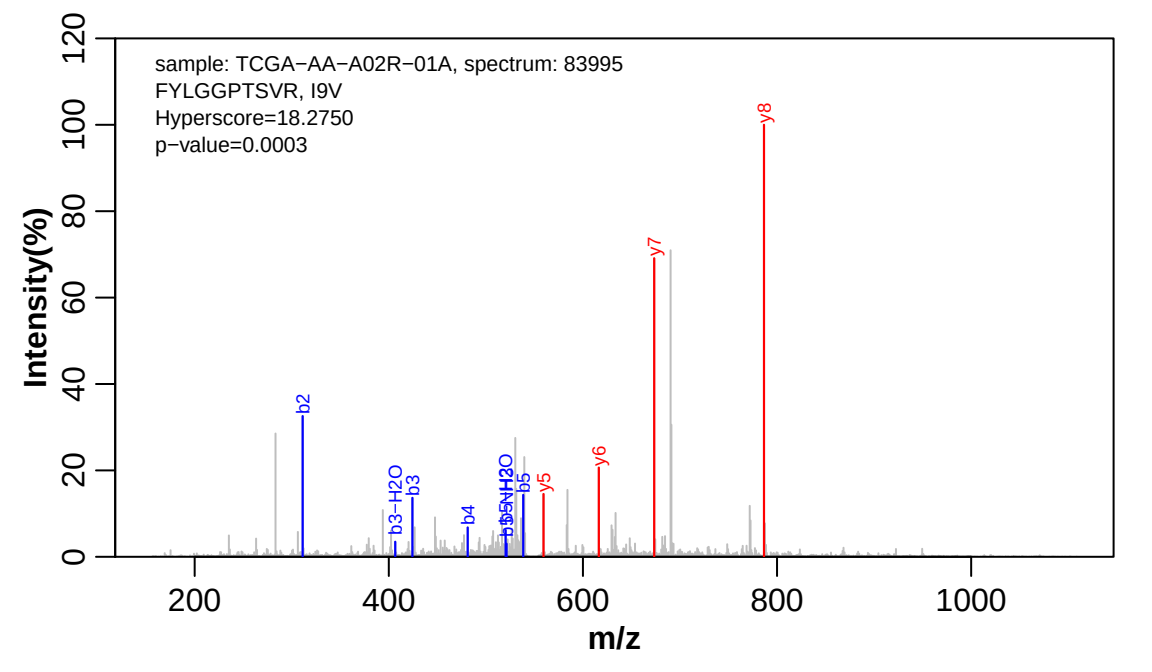

sample: TCGA−AA−A02R−01A, spectrum: 15311
EPSAPSLPTPAYQSLPAGGHAPTPPTPAPR, S15L
Hyperscore=44.6294
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

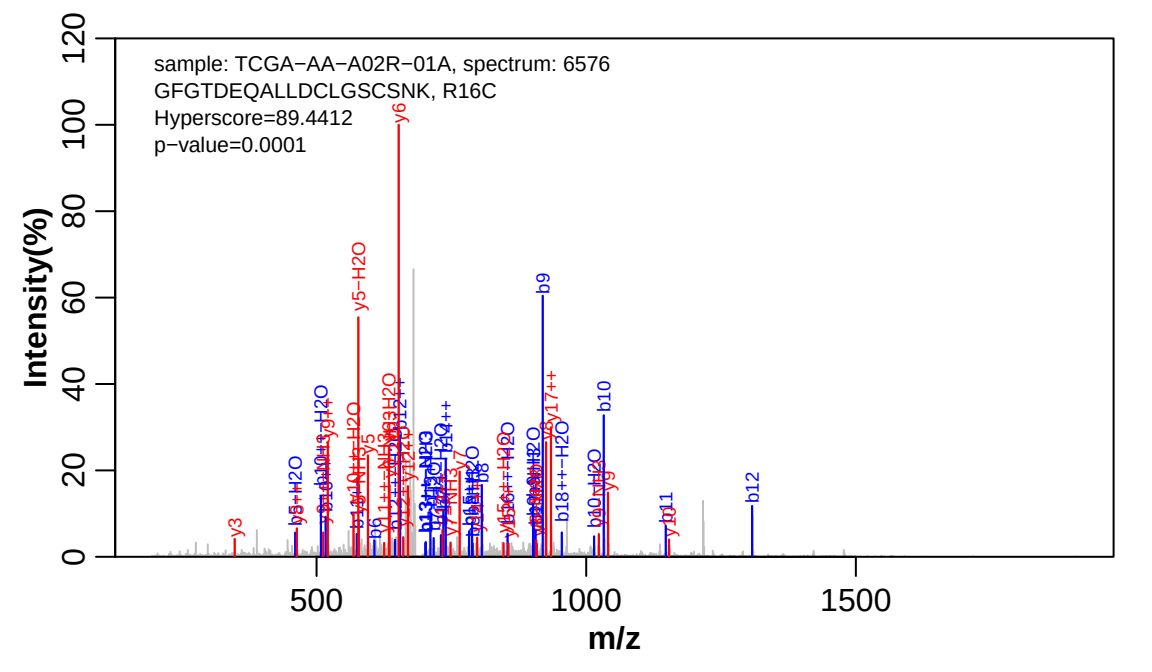

sample: TCGA−AA−A02R−01A, spectrum: 6500
FFGSLPDSWAR, S11R
Hyperscore=15.8463
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y5
y7
y8
y9

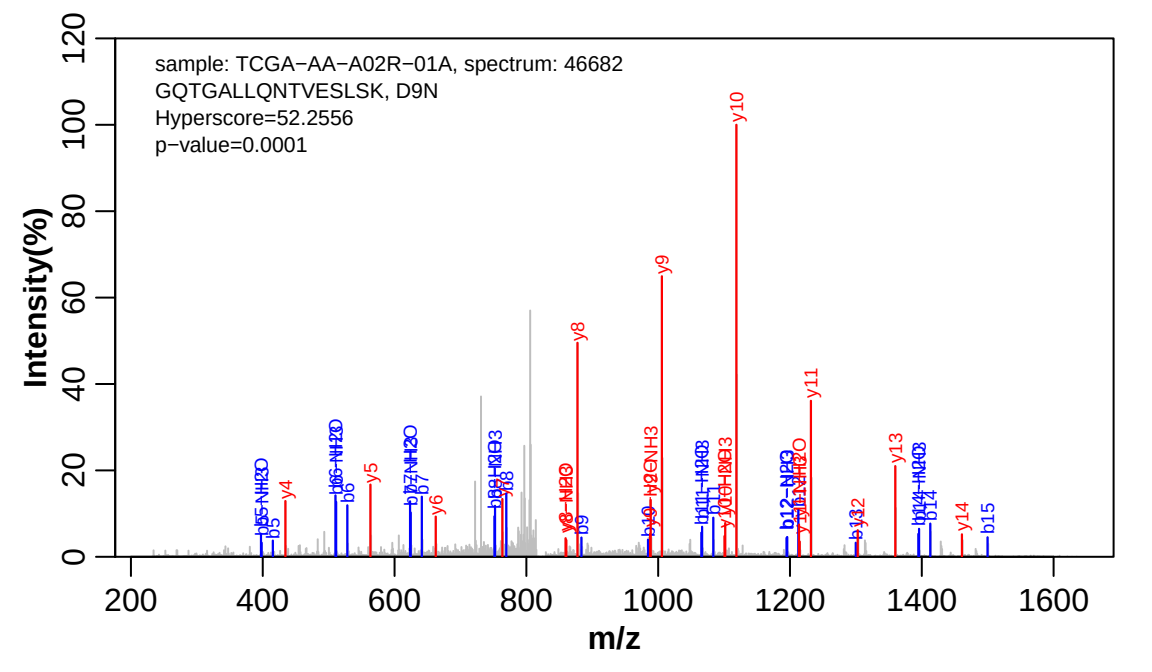

sample: TCGA−AA−A02R−01A, spectrum: 76009
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=21.1877
p−value=0.0003
Intensity(%)
m/z
b2
b3
y12++
y13++
y14++
y15++
y15++−H2O
y15++−NH3
y16++
y16++−H2O
y17++
y17++−NH3
y18++

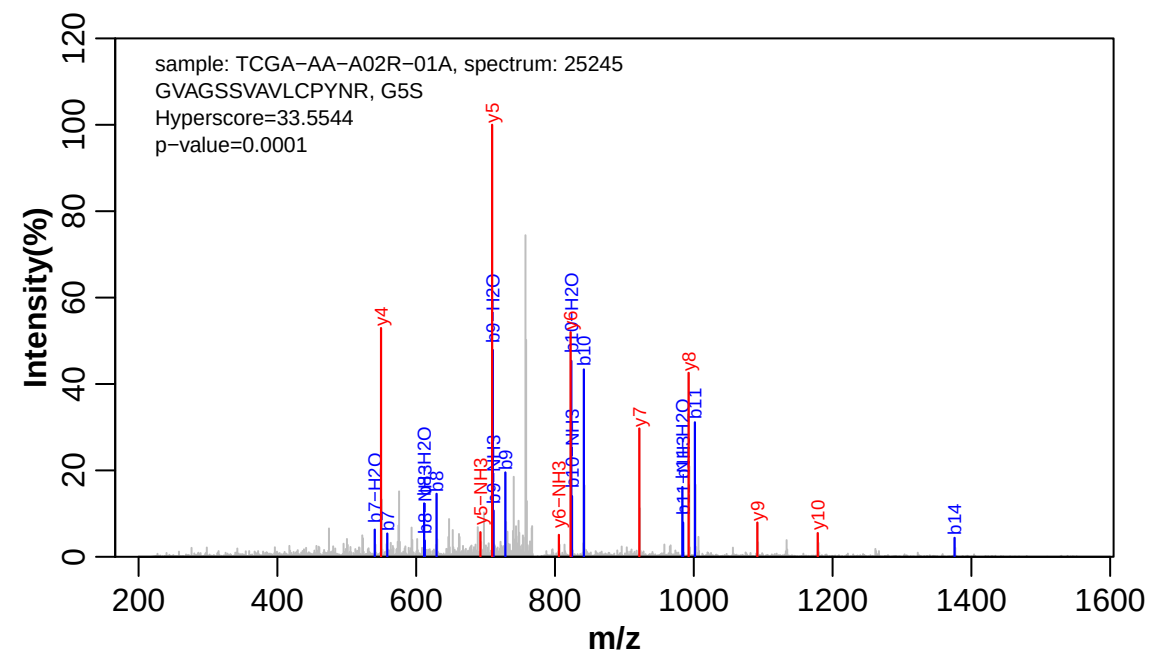

sample: TCGA−AA−A02R−01A, spectrum: 18582
FSLDALLTNVLPFEK, I10V
Hyperscore=59.3805
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y4++
y5++
b7++
b9++
b10++
b11++−NH3
b12++−H2O
y4
b6
y12++−H2O
b13++
b10
b9
b11
y8−NH3
y8
y7−NH3
b8

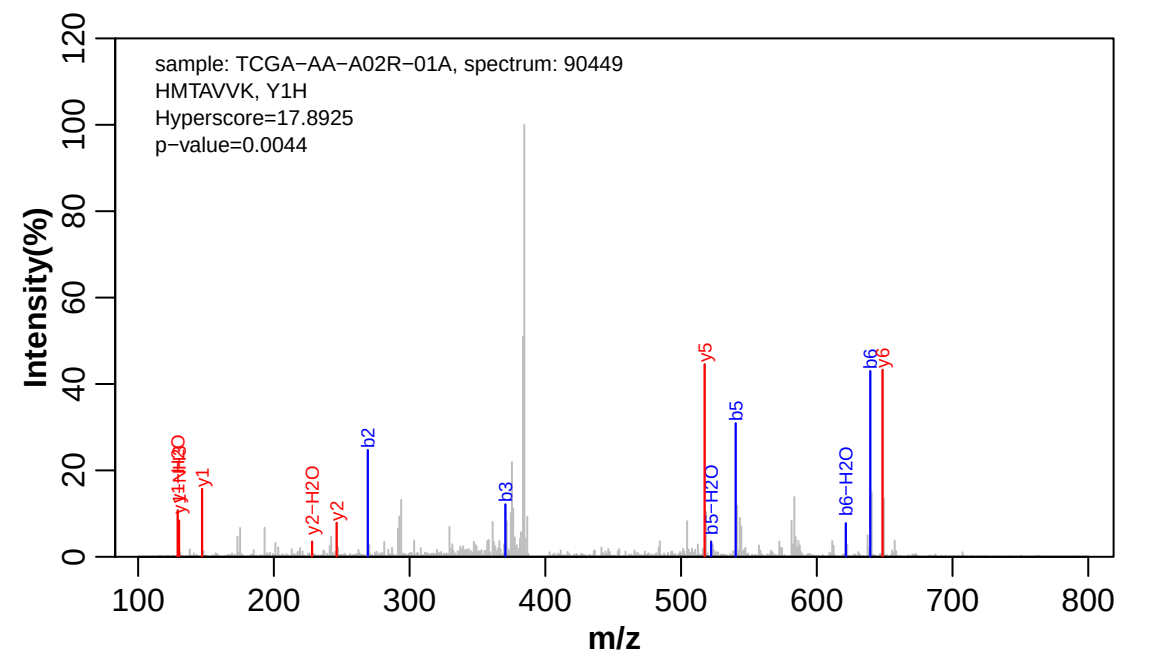

sample: TCGA−AA−A02R−01A, spectrum: 110113
FTVGDHSR, I3V
Hyperscore=14.7430
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
b3−H2O
y3
y4
b5
y5
y6
y7

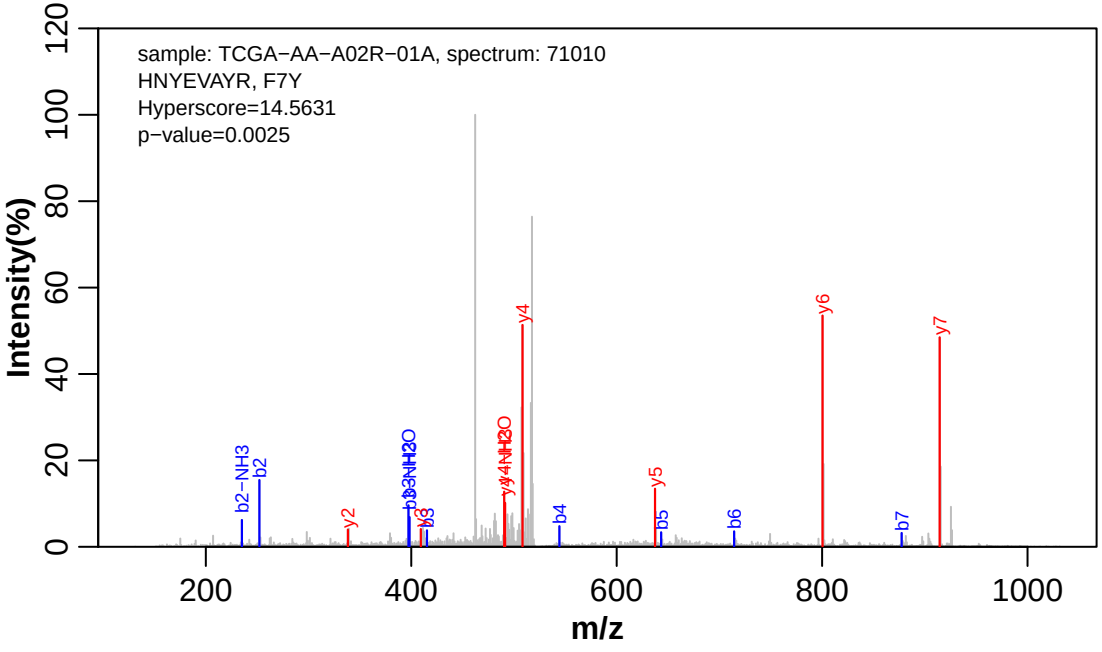

sample: TCGA−AA−A02R−01A, spectrum: 83995
FYLGGPTSVR, I9V
Hyperscore=18.2750
p−value=0.0003
Intensity(%)
m/z
b2
b3−H2O
b3
b4
b5−NH3
b5−H2O
b5
y5
y6
y7
y8

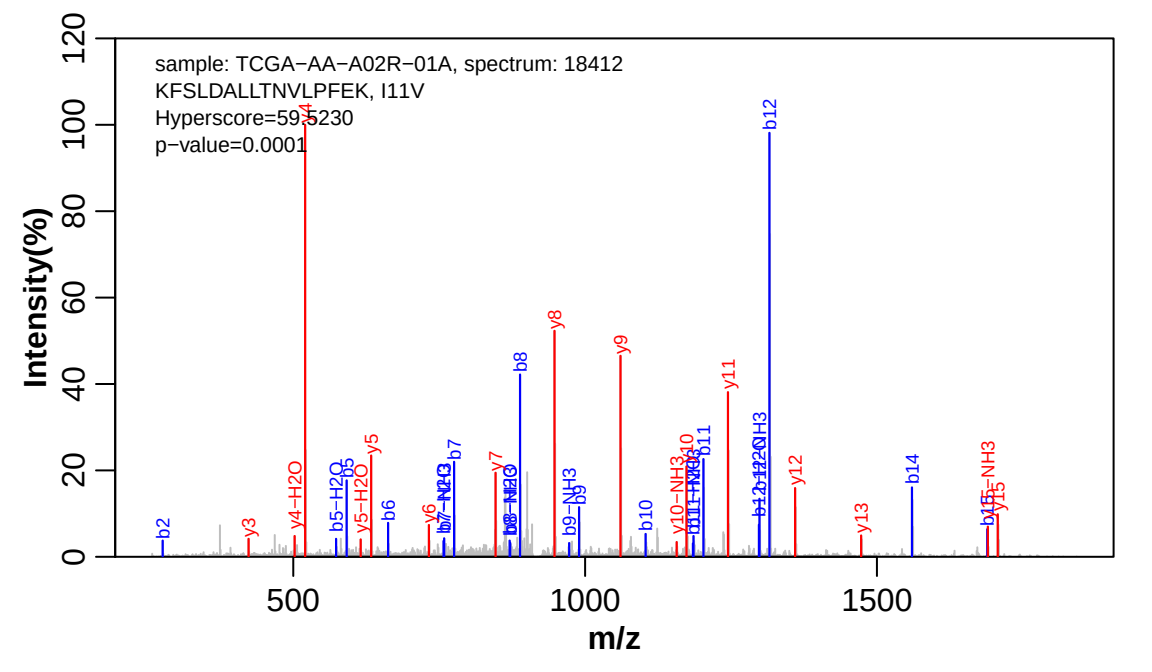

sample: TCGA−AA−A02R−01A, spectrum: 6576
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=89.4412
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y3
b5++H2O
y5
y11
y9
b8
b18++−H2O
y17++

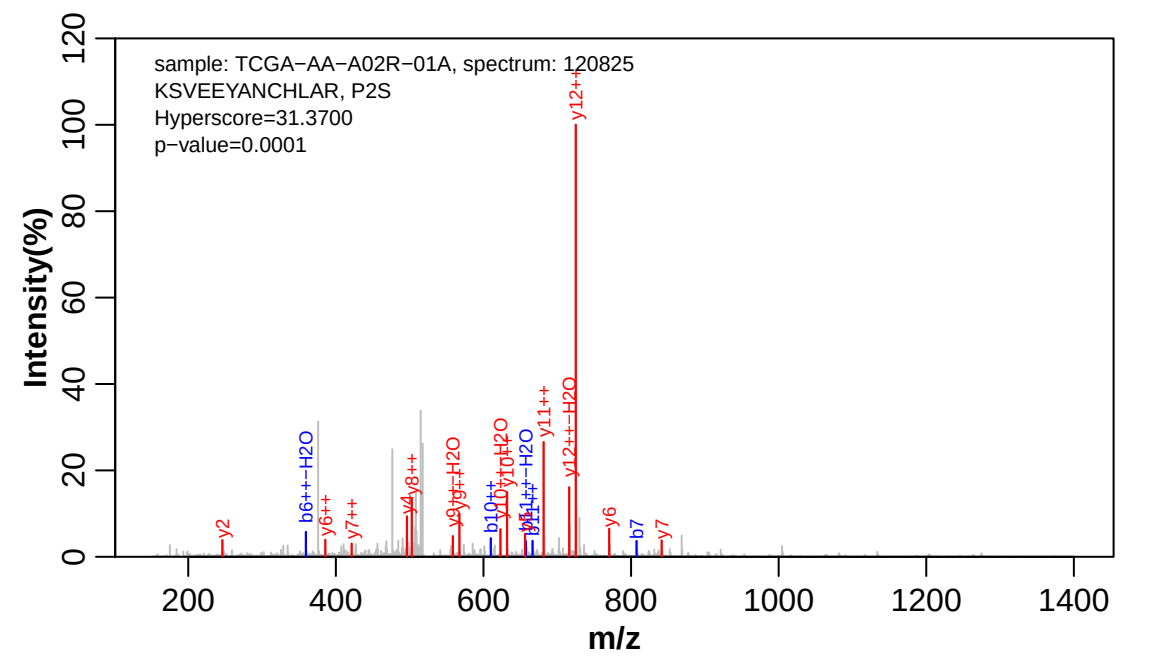

sample: TCGA−AA−A02R−01A, spectrum: 46682
GQTGALLQNTVESLSK, D9N
Hyperscore=52.2556
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
b15
y4
y5
y6
b6
b7
b8
b9
b10
b11
b12
b13
b14

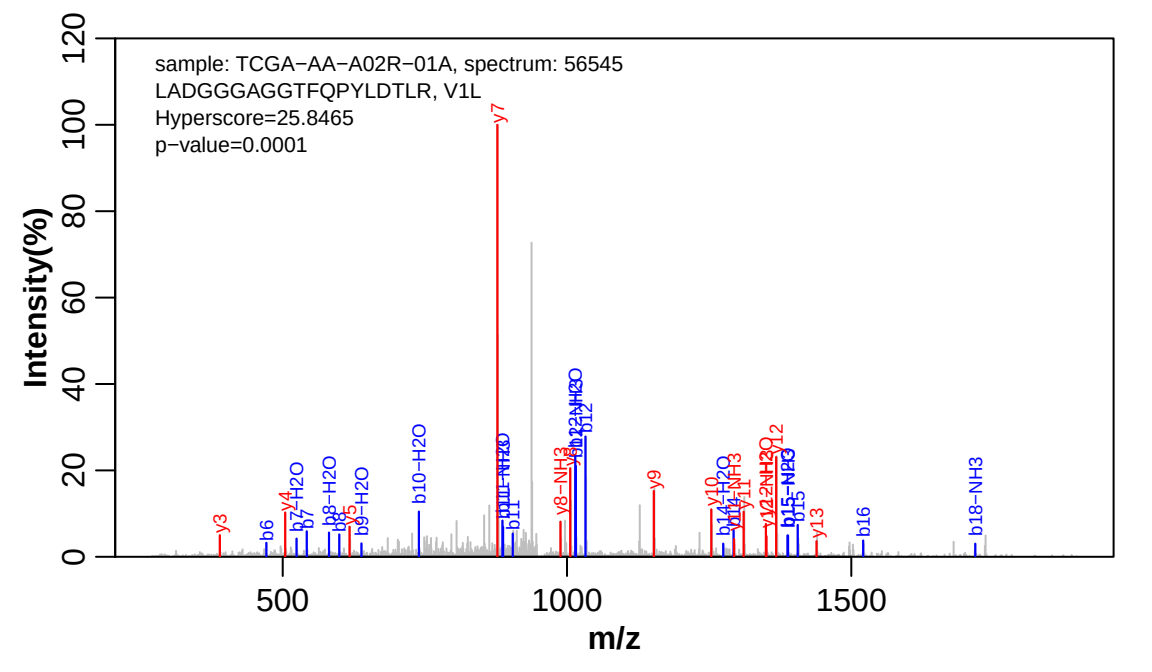

sample: TCGA−AA−A02R−01A, spectrum: 25245
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.5544
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
b10
y8
y7
b11
y9
y10
b14
b7−H2O
b7
y5−NH3
y6−NH3
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

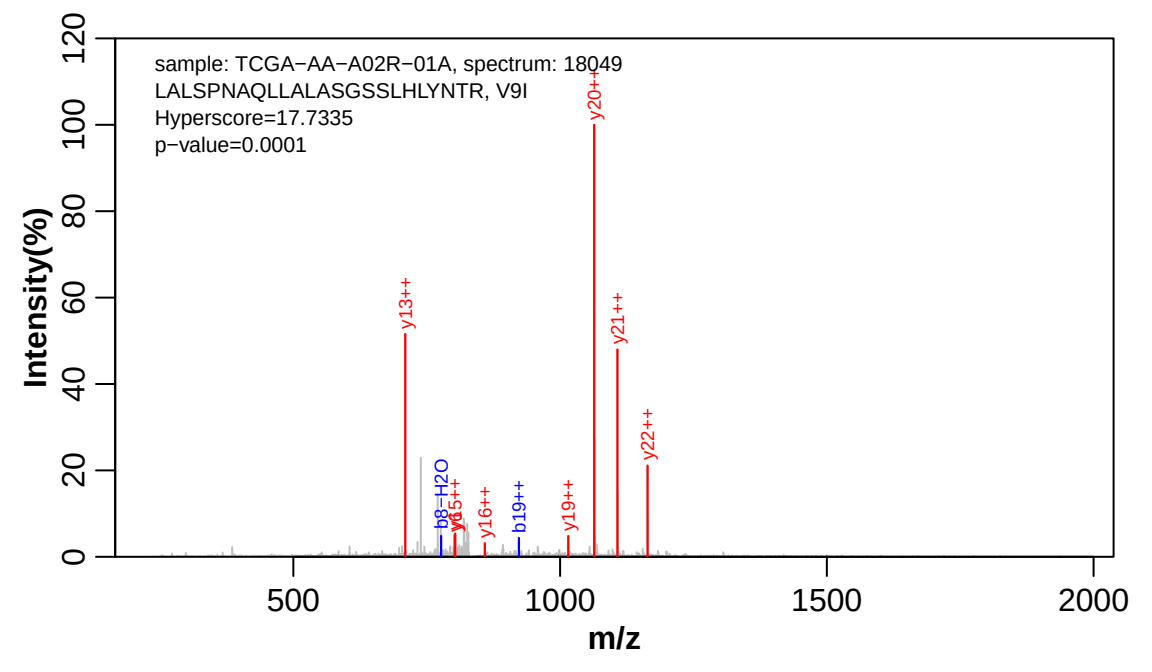

sample: TCGA−AA−A02R−01A, spectrum: 90449
HMTAVVK, Y1H
Hyperscore=17.8925
p−value=0.0044
Intensity(%)
m/z
y1
y2
y2−H2O
b2
b3
y5
b5
b5−H2O
b6
y6
b6−H2O

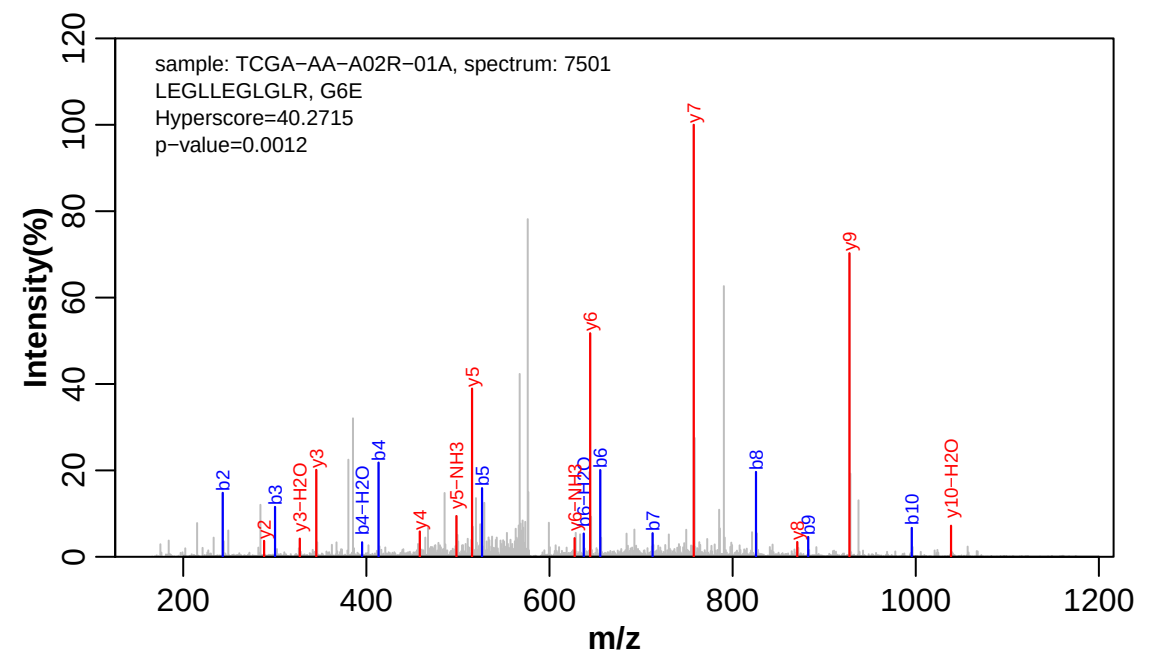

sample: TCGA−AA−A02R−01A, spectrum: 71010
HNYEVAYR, F7Y
Hyperscore=14.5631
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2−NH3
b2
y2
b3−NH3
b3−H2O
b3
y4−NH3
y4−H2O
y4
b4
y5
b5
b6
y6
b7
y7

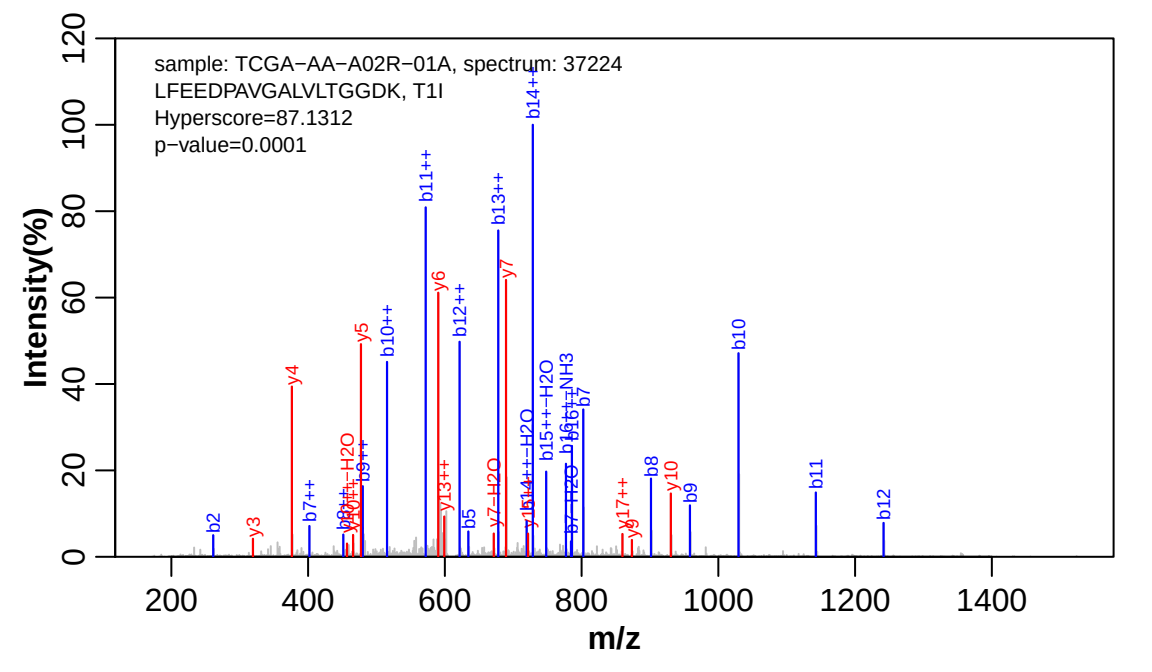

sample: TCGA−AA−A02R−01A, spectrum: 18412
KFSLDALLTNVLPFEK, I11V
Hyperscore=59.5230
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y4−H2O
y4
b5−H2O
b5
y5−H2O
y5
b6
y6
b7
y7
b8
y8
b9−NH3
b9
y9
b10
y10−NH3
y10
b11
y11
b12
y12
y13
b14
b15−NH3
y15

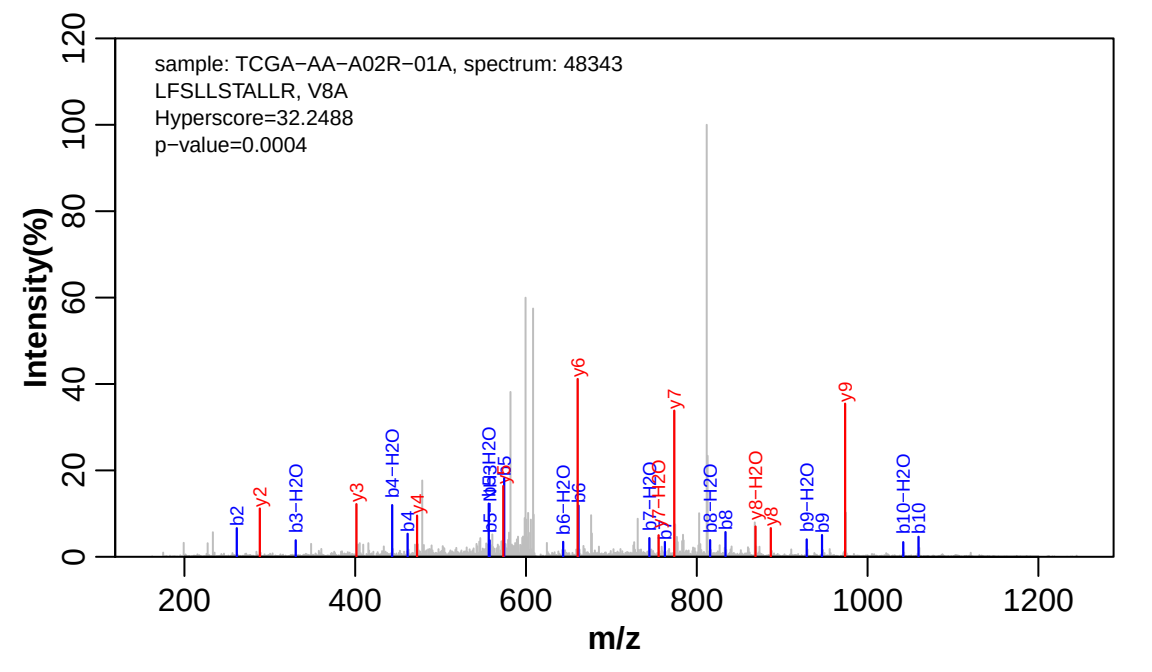

sample: TCGA−AA−A02R−01A, spectrum: 120825
KSVEEYANCHLAR, P2S
Hyperscore=31.3700
p−value=0.0001
Intensity(%)
m/z
y12++
y12++−H2O
y11++
y8++
y9++−H2O
y10++−H2O
b6++−H2O
y6++
y7++
y2
b10++
y6
b7
y7

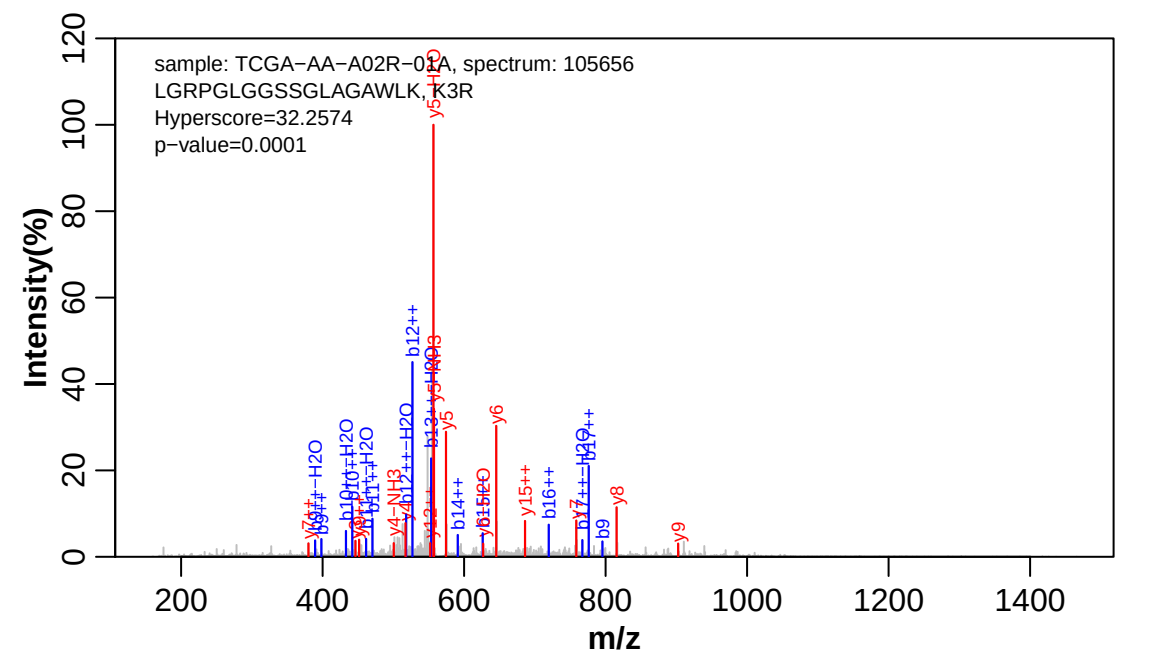

sample: TCGA−AA−A02R−01A, spectrum: 56545
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=25.8465
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y7
y3
b6
y4
b7
b7−H2O
b8−H2O
b8
b9
b9−H2O
b10−H2O
b11
y8−NH3
b12
y9
y10
b14−H2O
y11
b14
b15
y13
b16
b18−NH3

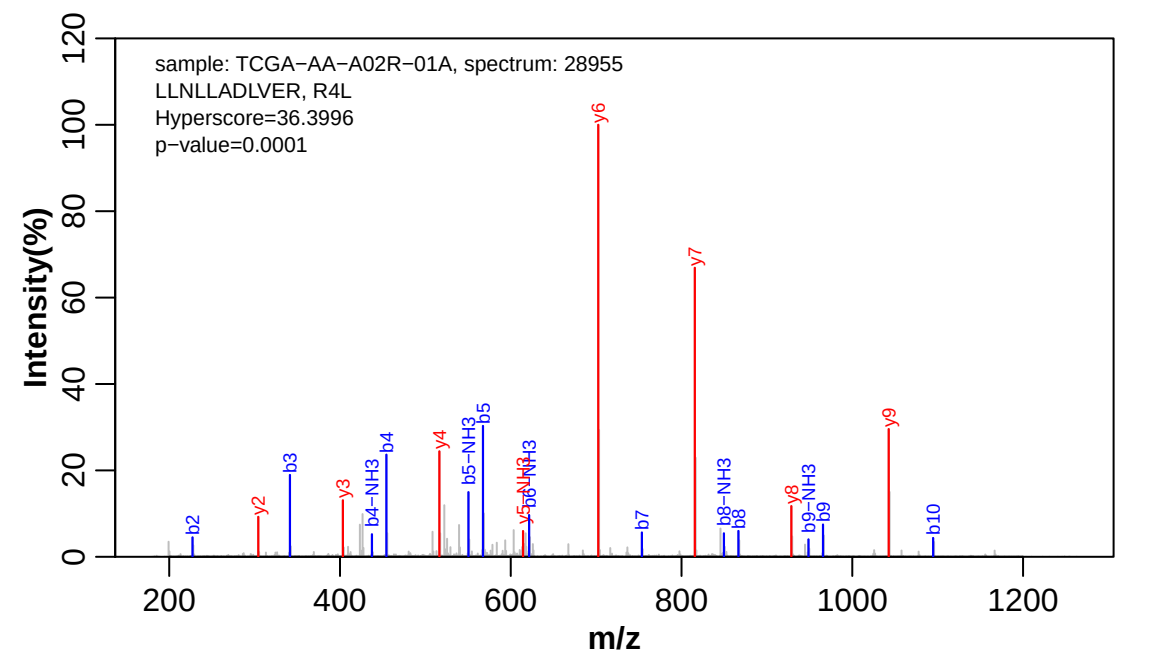

sample: TCGA−AA−A02R−01A, spectrum: 18049
LALSPNAQLLALASGSSLHLYNTR, V9I
Hyperscore=17.7335
p−value=0.0001
y20++
y13++
y21++
y22++
b8−H2O
y15++
y16++
b19++
y19++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

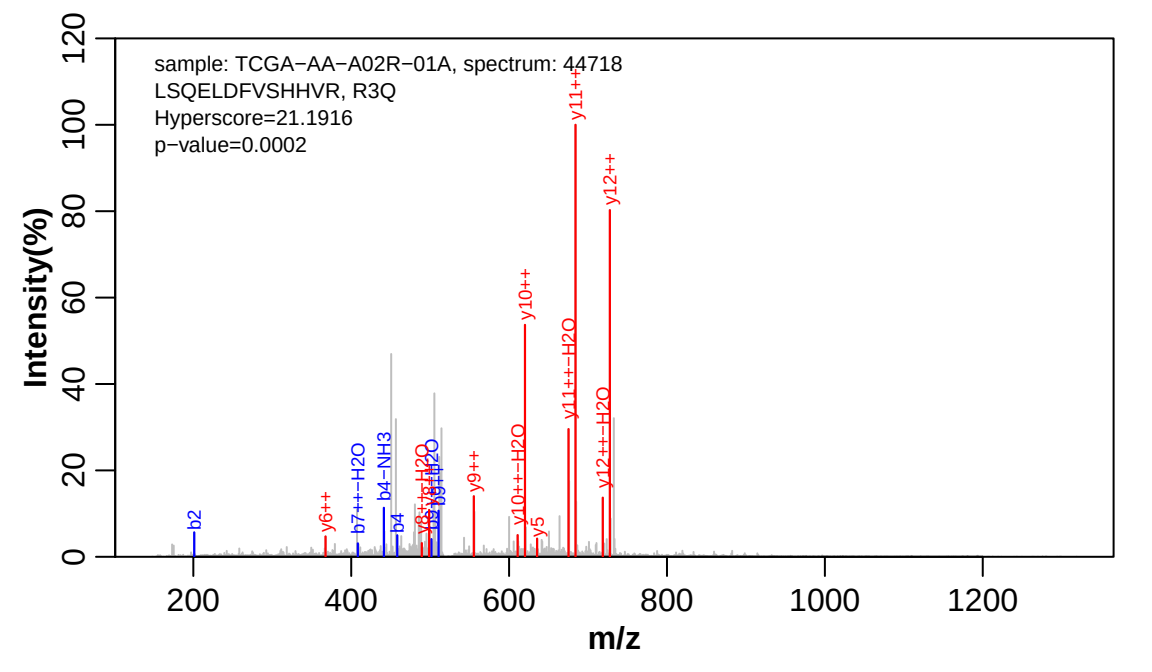

sample: TCGA−AA−A02R−01A, spectrum: 7501
LEGLLEGLGLR, G6E
Hyperscore=40.2715
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3−H2O
y3
b4−H2O
b4
y4
y5−NH3
y5
b5
y6−NH3
y6−H2O
y6
b6
b7
y7
b8
y8
b9
y9
b10
y10−H2O

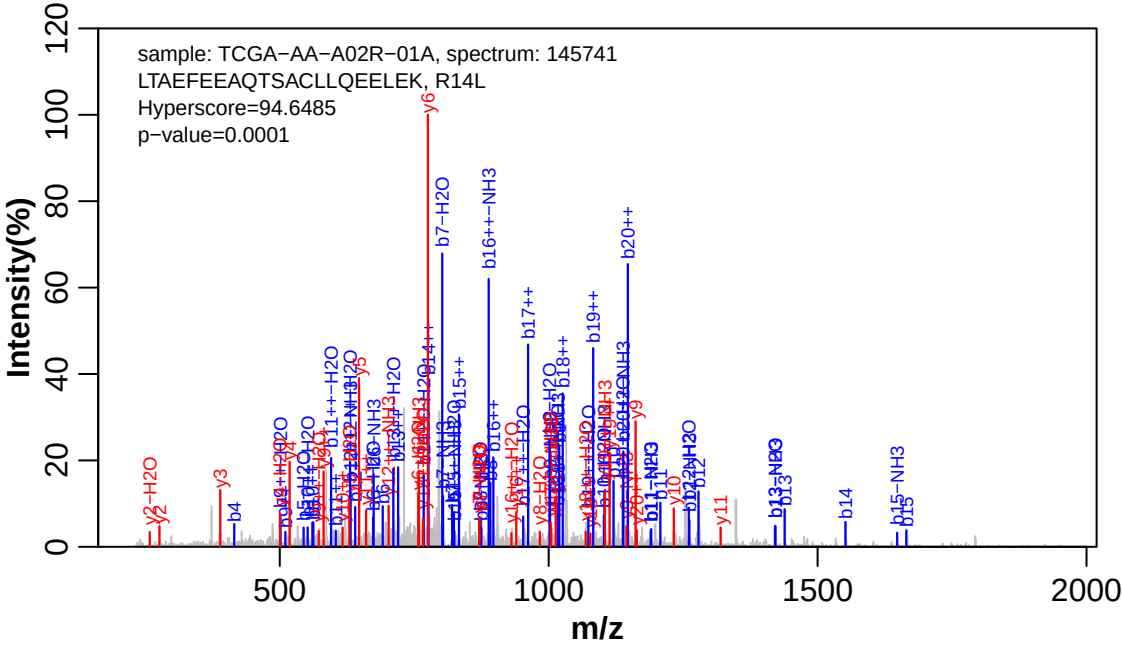

sample: TCGA−AA−A02R−01A, spectrum: 37224
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=87.1312
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
y5
b10++
b11++
y6
b12++
y13++
b5
y7
b13++
b14++
y7−H2O
b15++−H2O
b15++−NH3
b7
b10
b8
y10
b9
y17++
b11
b12

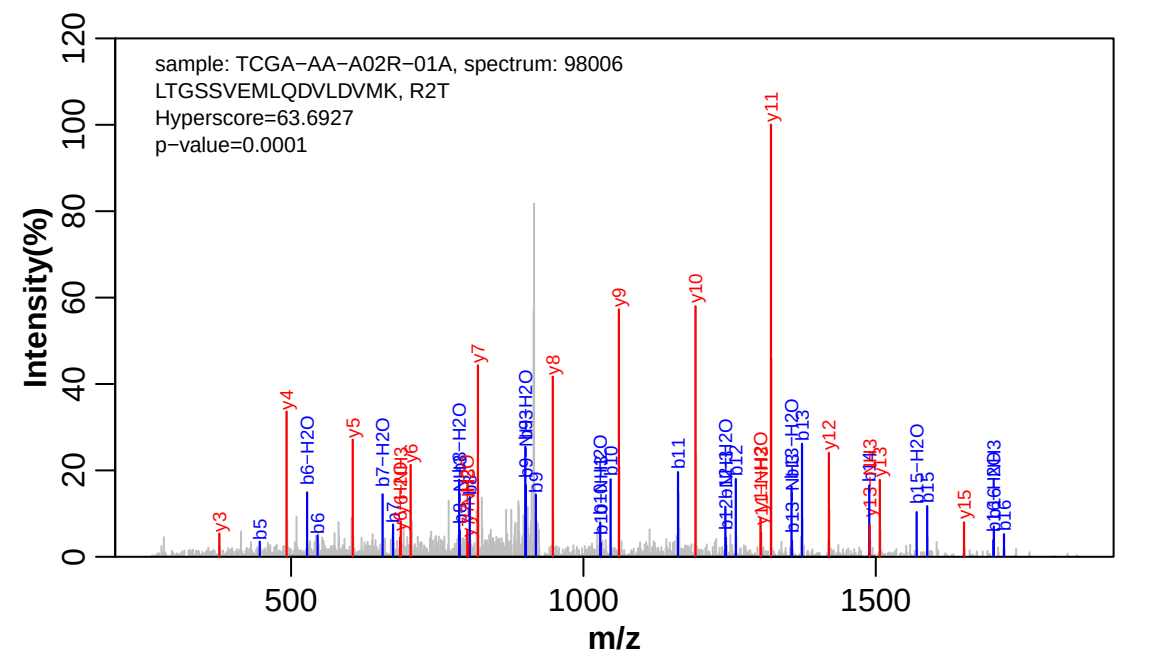

sample: TCGA−AA−A02R−01A, spectrum: 48343
LFSLLSTALLR, V8A
Hyperscore=32.2488
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−H2O
b8
y8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

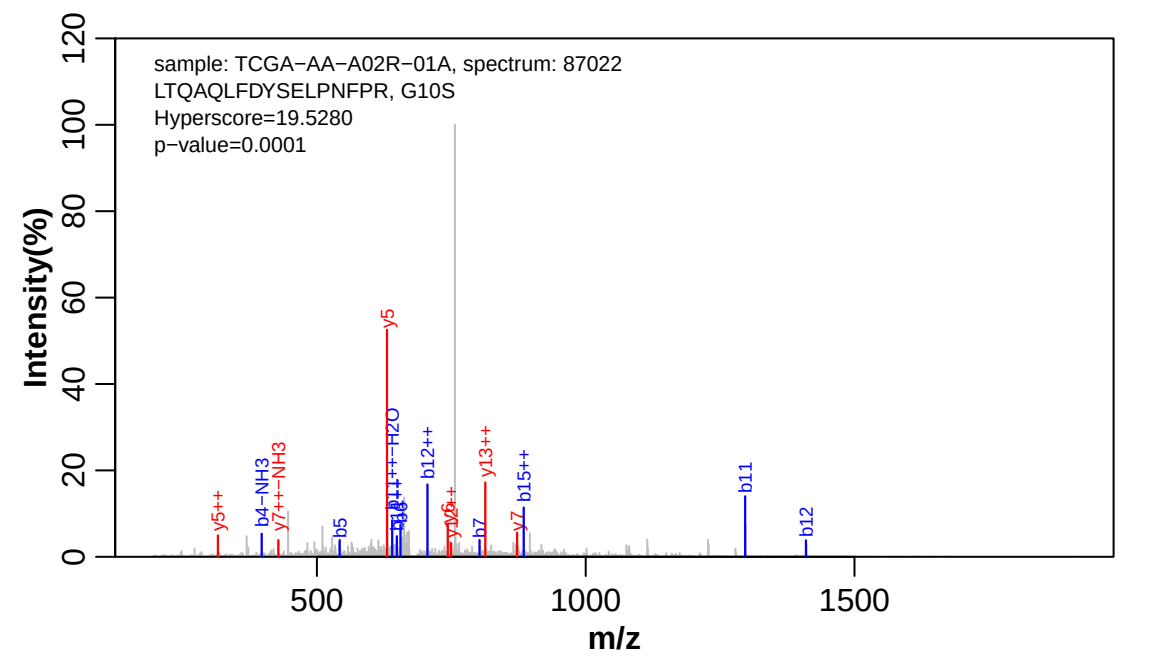

sample: TCGA−AA−A02R−01A, spectrum: 105656
LGRPGLGGSSGLAGAWLK, K3R
Hyperscore=32.2574
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5++−H2O
y5
y6
y15++
b16++
b17++−H2O
b17++
b9
y8
y9
b12++
y4−NH3
b14++
y15++−H2O

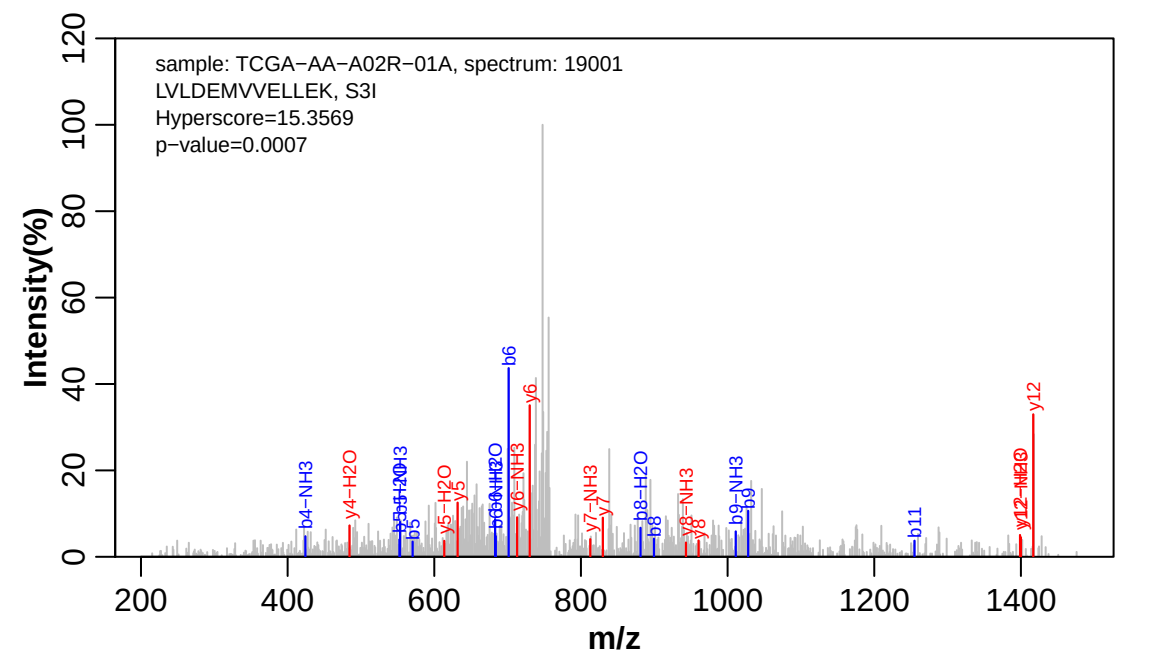

sample: TCGA−AA−A02R−01A, spectrum: 28955
LLNLLADLVER, R4L
Hyperscore=36.3996
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y4
y2
y3
b3
b4
b4−NH3
b5
b5−NH3
b6−NH3
b7
b8−NH3
b8
y8
b9−NH3
b9
b10
b2

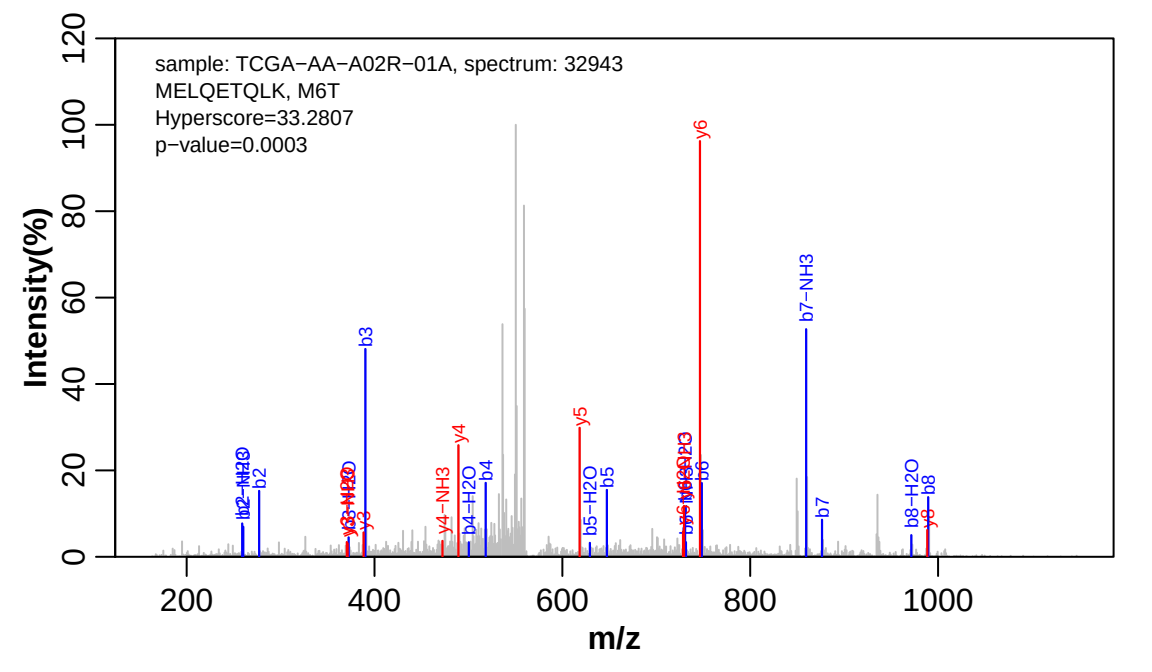

sample: TCGA−AA−A02R−01A, spectrum: 44718
LSQELDFVSHHVR, R3Q
Hyperscore=21.1916
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y6++
b7++−H2O
b4−NH3
b4
y9++
y10++−H2O
y10++
y5
y11++−H2O
y11++
y12++−H2O
y12++

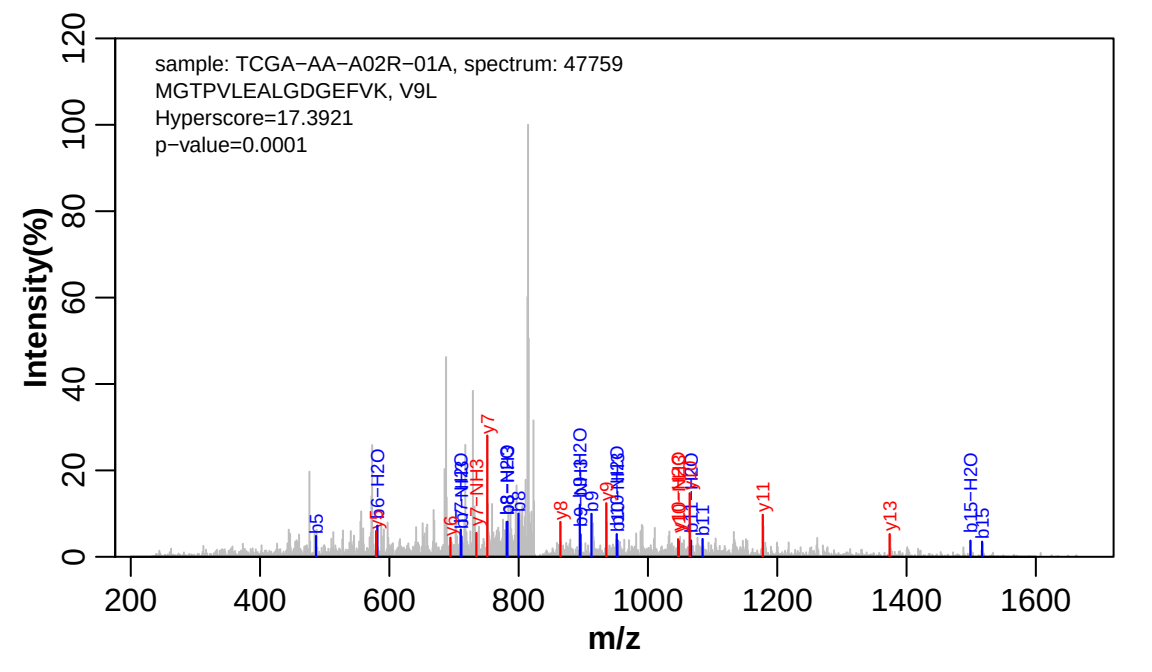

sample: TCGA−AA−A02R−01A, spectrum: 145741
LTAEFEEAQTSACLLQEELEK, R14L
Hyperscore=94.6485
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6
b7−H2O
b16++−NH3
b20++
b17++
b19++
b14++
b15++
b18++
y5
y9
y10
y11
b14
b15−NH3
y2−H2O
y3
b4

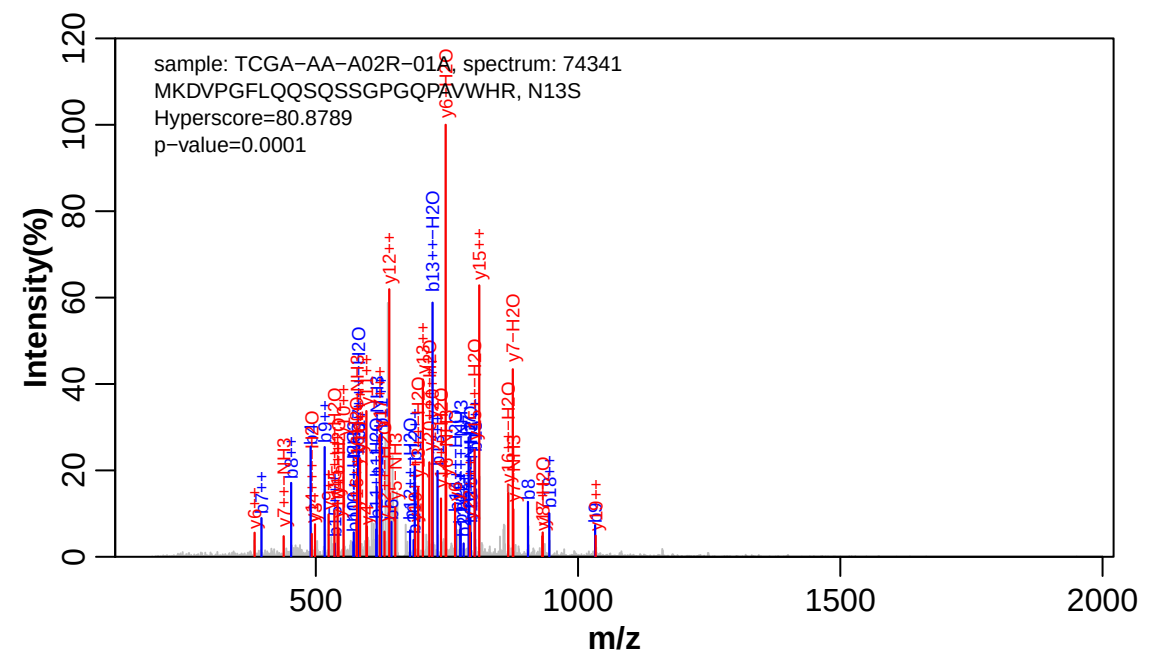

sample: TCGA−AA−A02R−01A, spectrum: 98006
LTGSSVEMLQDVLDVMK, R2T
Hyperscore=63.6927
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b5
y4
b6−H2O
b6
y5
b7−H2O
b7
y6
y7
y8
y9
y10
b11
y11
b13−H2O
b13
y12
b15−H2O
b15
y15

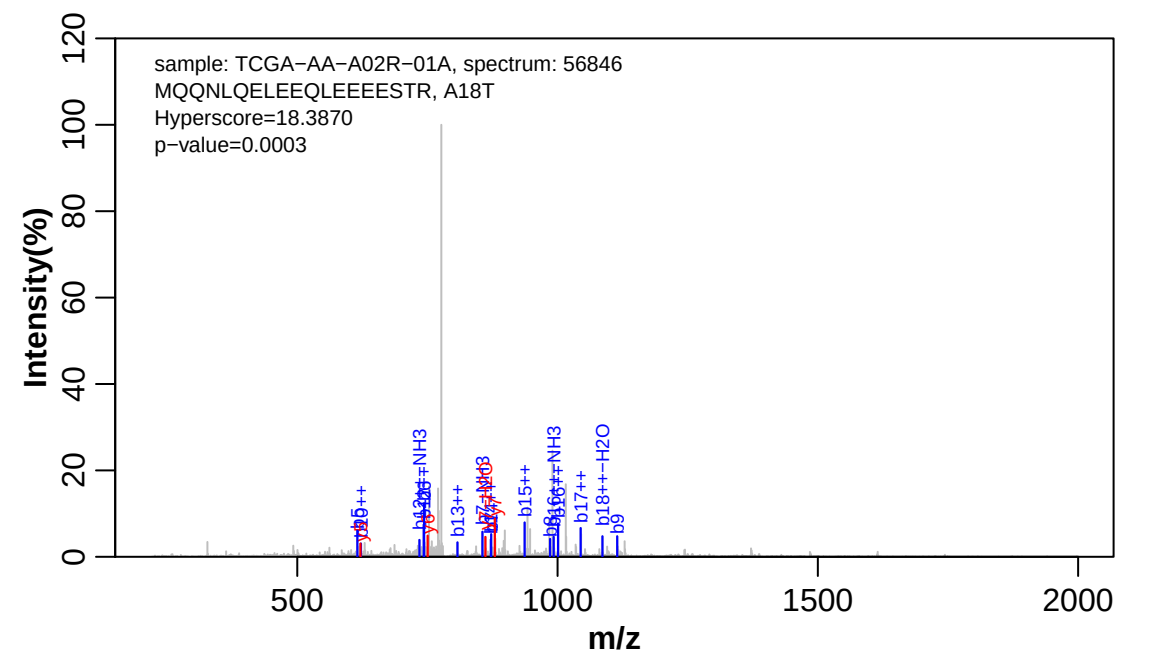

sample: TCGA−AA−A02R−01A, spectrum: 87022
LTQAQLFDYSELPNFPR, G10S
Hyperscore=19.5280
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5++
b4−NH3
y7++−NH3
b5
y5
b11++−H2O
b12++
y13++
b15++
b11
b12

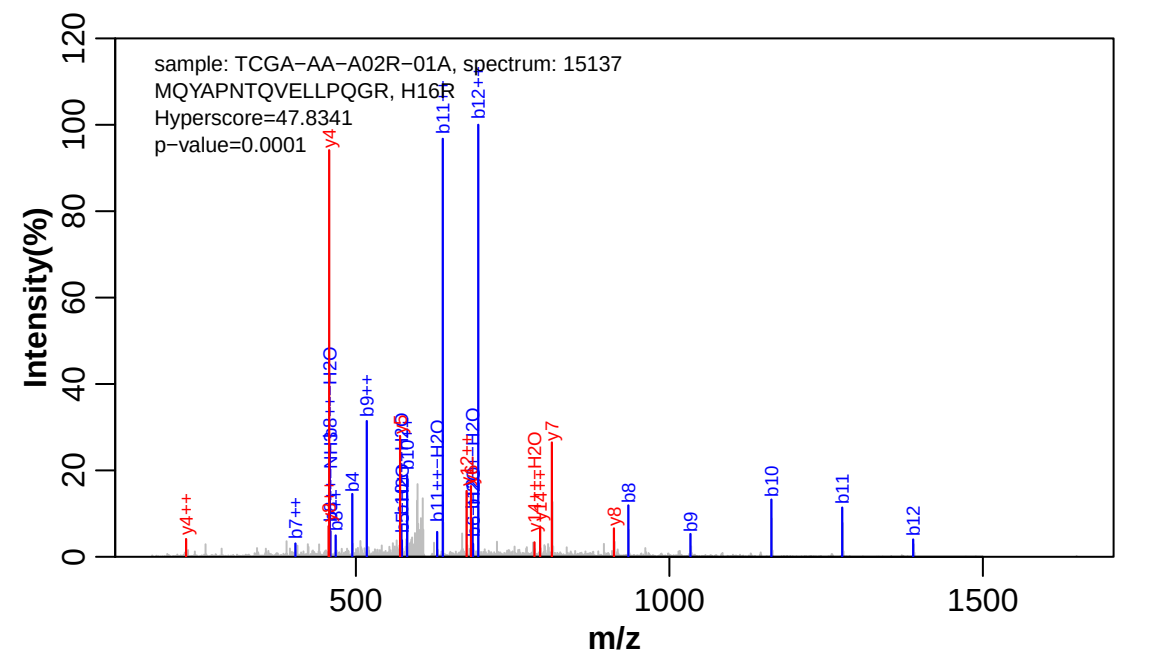

sample: TCGA−AA−A02R−01A, spectrum: 19001
LVLDEMVVELLEK, S3I
Hyperscore=15.3569
p−value=0.0007
Intensity(%)
m/z
b4−NH3
y4−H2O
b5
y5−H2O
y5
b6
y6
y6−NH3
y7−NH3
y7
b8−H2O
b8
y8−NH3
y8
b9−NH3
b9
b11
y12

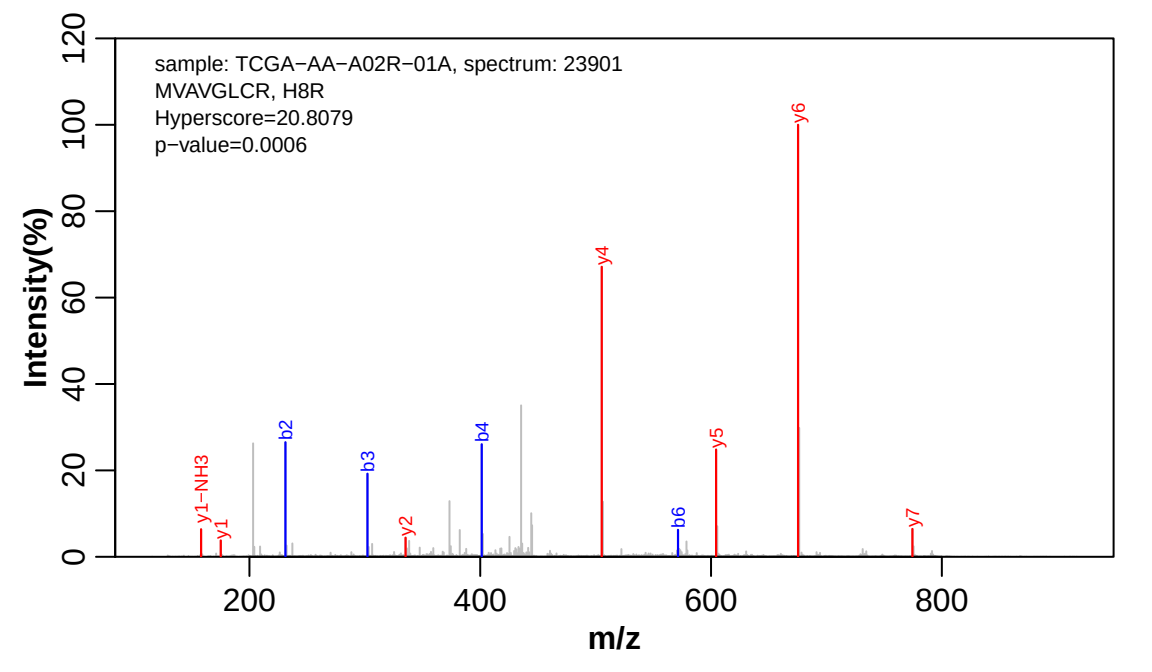

sample: TCGA−AA−A02R−01A, spectrum: 32943
MELQETQLK, M6T
Hyperscore=33.2807
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y6
b7−NH3
b3
y5
y4
b5−H2O
b5
y4−NH3
b4−H2O
b4
b7
b8−H2O
b8
b2
y3

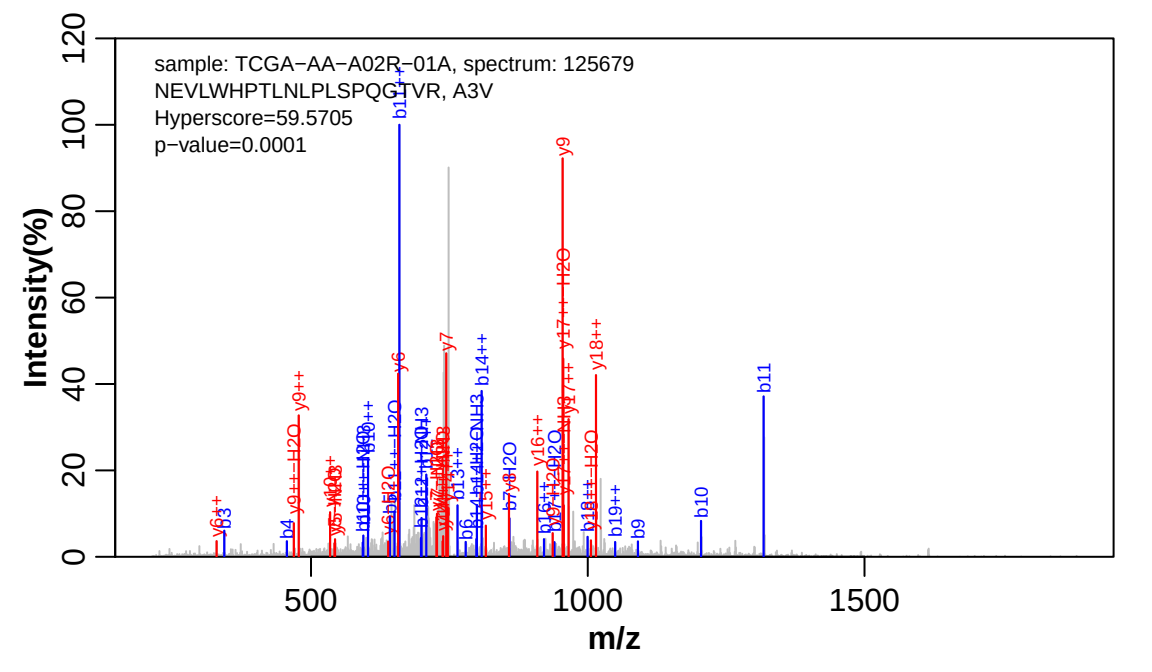

sample: TCGA−AA−A02R−01A, spectrum: 47759
MGTPVLEALGDGEFVK, V9L
Hyperscore=17.3921
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b5
y6−H2O
y6
y7−NH3
y7
y8
b9
b11
y11
y13
b15−H2O
b15

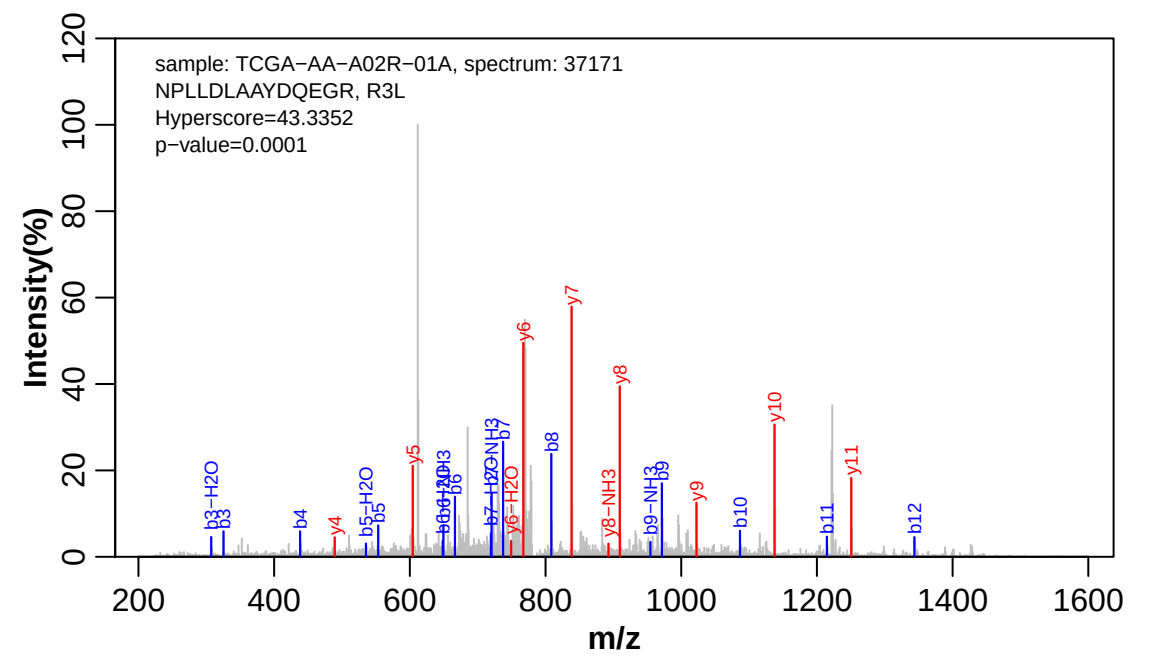

sample: TCGA−AA−A02R−01A, spectrum: 74341
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=80.8789
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6++
y6++−H2O
y12++
b13++−H2O
y15++
y7−H2O
y7++
y7++−NH3
b8++
b4++
y6++−NH3
y5++−NH3
y16++−H2O
b8
y18++
y9++

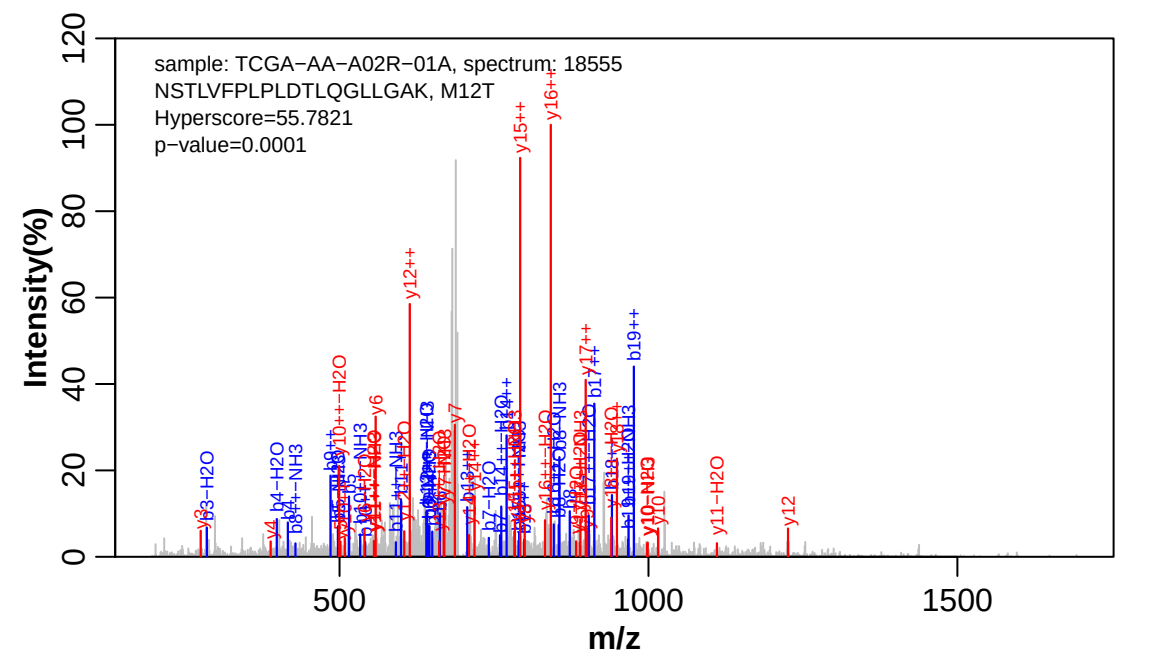

sample: TCGA−AA−A02R−01A, spectrum: 56846
MQQNLQELEEQLEEEESTR, A18T
Hyperscore=18.3870
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
b13++
b15++
b17++
b18++−H2O
b9

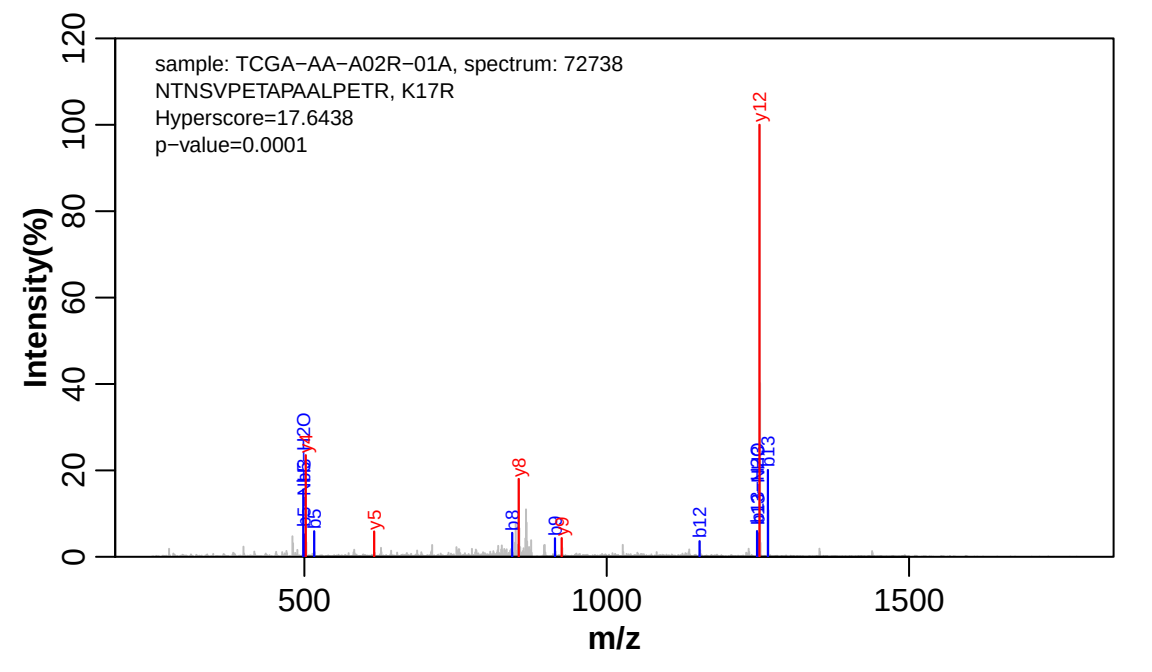

sample: TCGA−AA−A02R−01A, spectrum: 15137
MQYAPNTQVELLPQGR, H16R
Hyperscore=47.8341
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4++
b7++
b4
b9++
b11++−H2O
b11++
b12++
y7
y8
b8
b9
b10
b11
b12

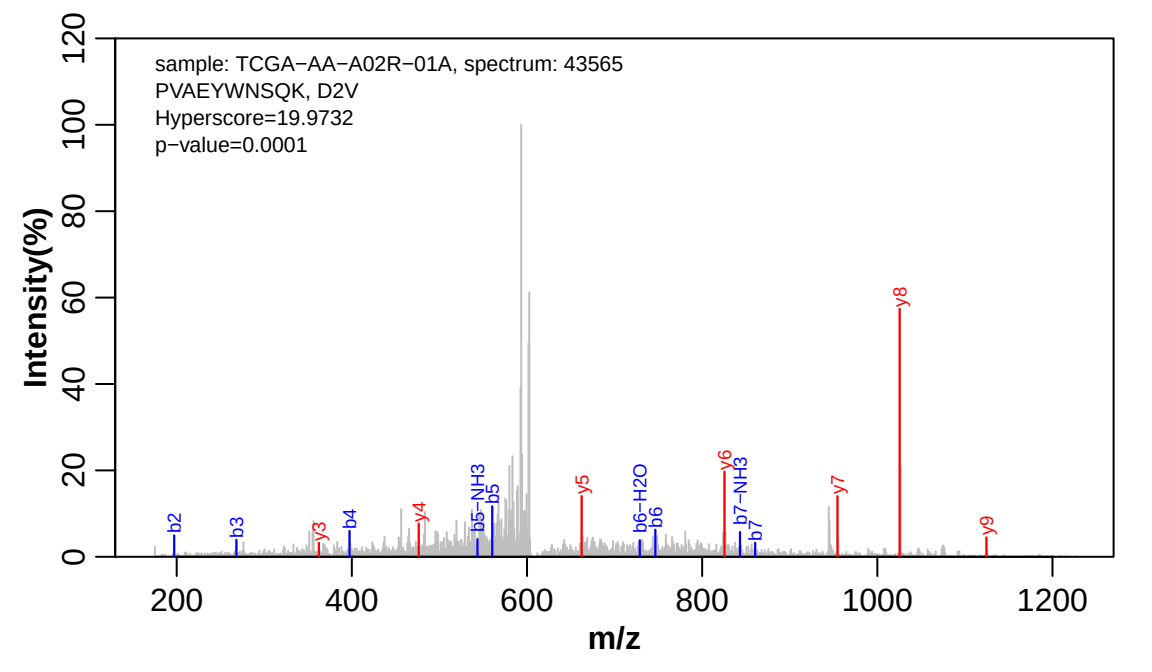

sample: TCGA−AA−A02R−01A, spectrum: 23901
MVAVGLCR, H8R
Hyperscore=20.8079
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2
b3
y2
b4
y4
b6
y5
y6
y7

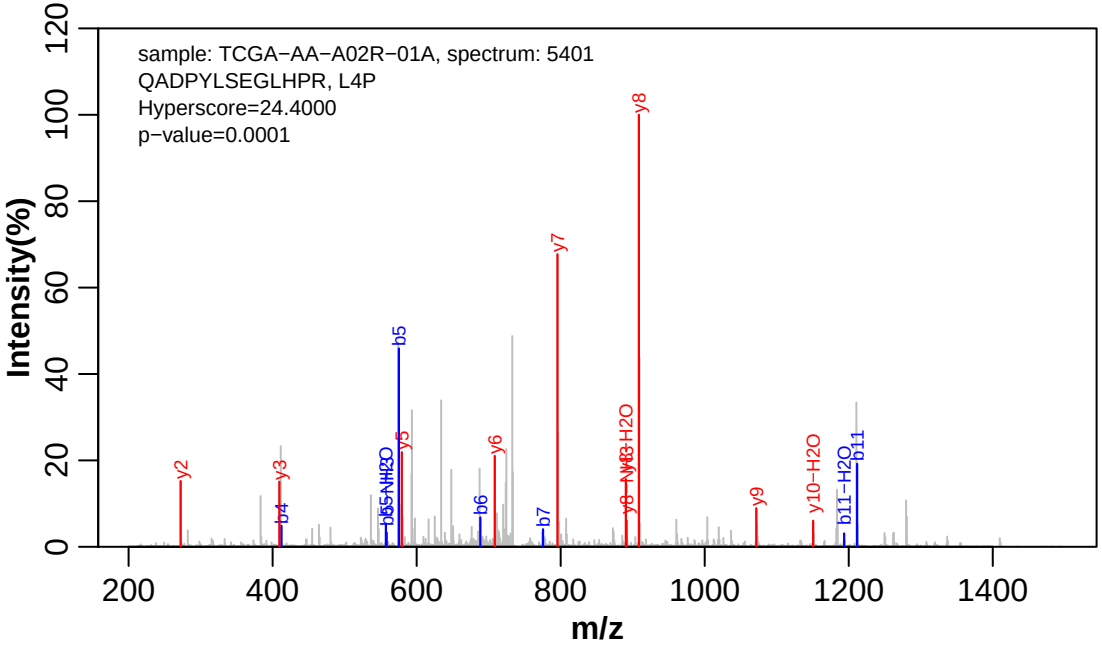

sample: TCGA−AA−A02R−01A, spectrum: 125679
NEVLWHPTLNLPLSPQGTVR, A3V
Hyperscore=59.5705
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b11++
y9
y6
y7
y9++
y18++
b11
b14++
b10
b9
b19++
y16++
y17++ H2O
y9++ H2O
b4
b3
y6++
b13++
b7++ H2O
b16++
b18++ H2O
y15++
y5
y4
y3
y2
y1
b2
b5
b6
b8
b12
b15
b17
b20
b21
b22
b23
b24
b25
b26
b27
b28
b29
b30
b31
b32
b33
b34
b35
b36
b37
b38
b39
b40
b41
b42
b43
b44
b45
b46
b47
b48
b49
b50
b51
b52
b53
b54
b55
b56
b57
b58
b59
b60
b61
b62
b63
b64
b65
b66
b67
b68
b69
b70
b71
b72
b73
b74
b75
b76
b77
b78
b79
b80
b81
b82
b83
b84
b85
b86
b87
b88
b89
b90
b91
b92
b93
b94
b95
b96
b97
b98
b99
b100

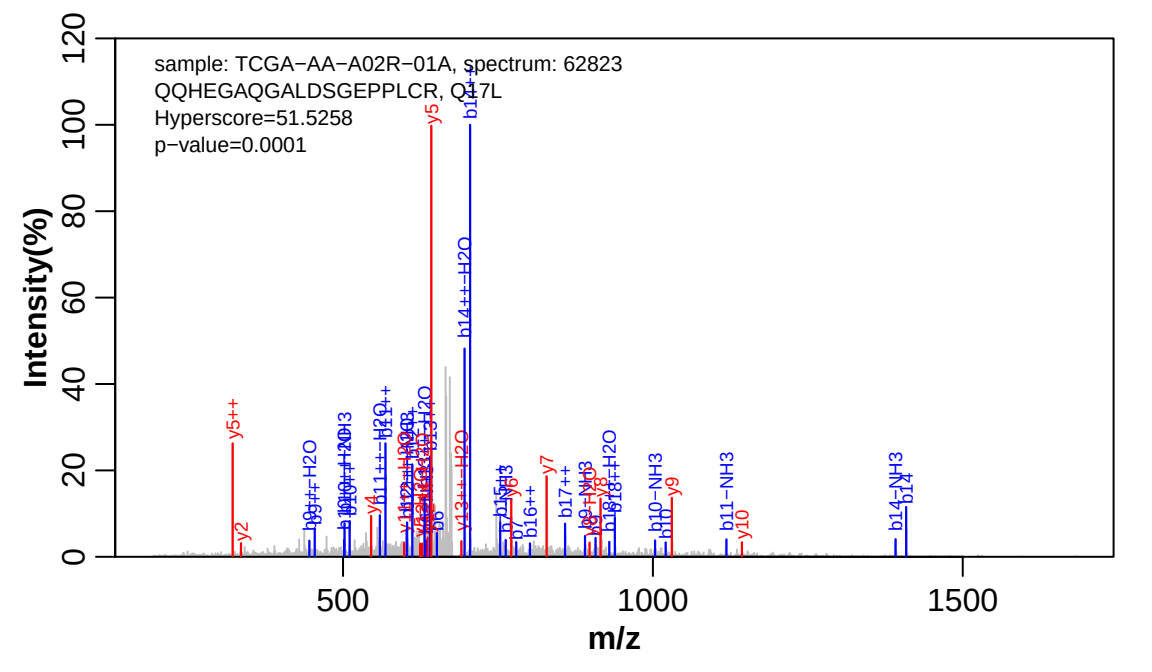

sample: TCGA−AA−A02R−01A, spectrum: 37171
NPLLDLAAYDQEGR, R3L
Hyperscore=43.3352
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
b4
y4
b5−H2O
b5
y5
b6
b7−H2O−NH3
b7
y6−H2O
y6
b8
y7
y8−NH3
y8
b9−NH3
b9
y9
b10
y10
b11
y11
b12

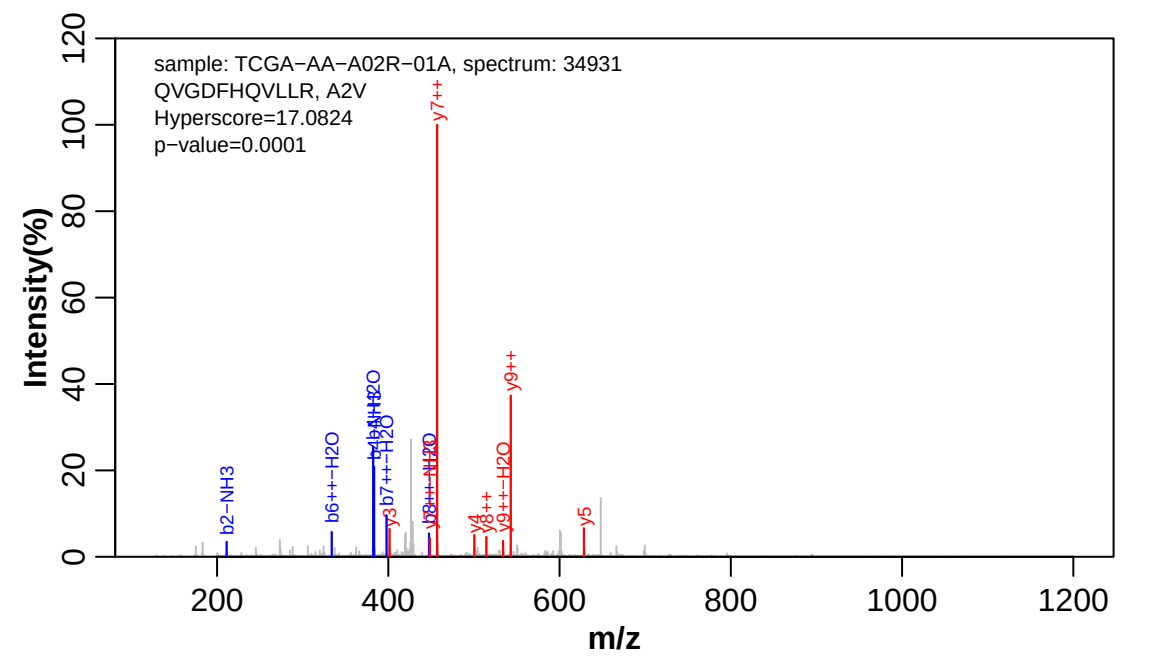

sample: TCGA−AA−A02R−01A, spectrum: 18555
NSTLVFPLPLDTLQGLLGAK, M12T
Hyperscore=55.7821
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y15++
y16++
y12++
y3−H2O
y4−H2O
y4−NH3
y6
y11−H2O
y12
b19++

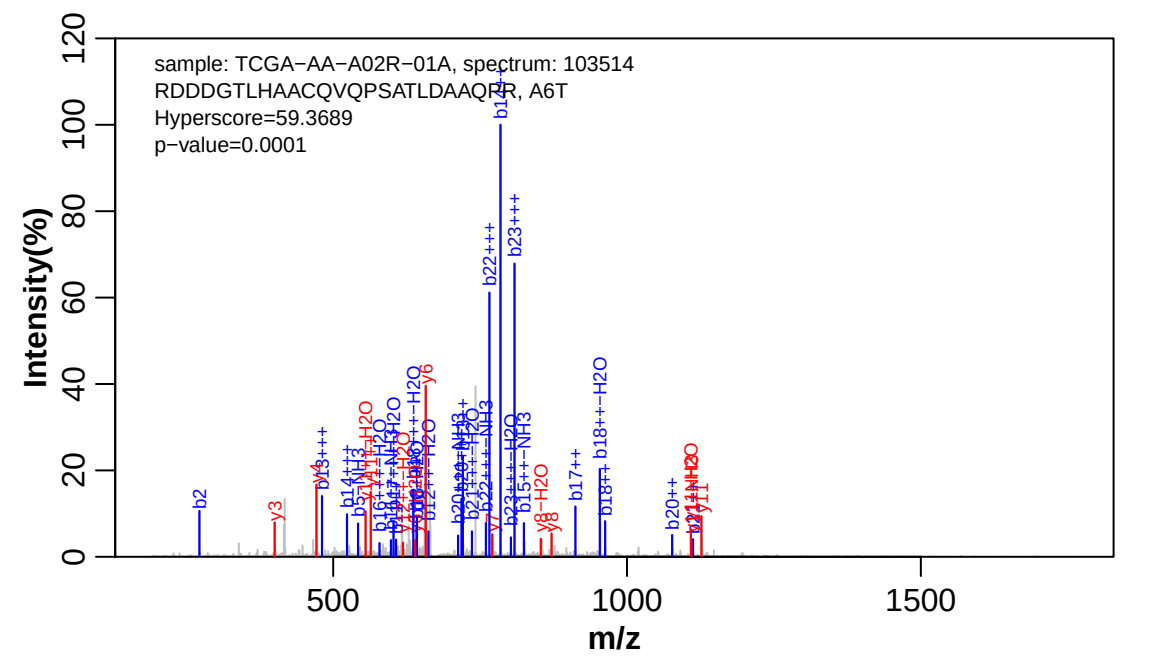

sample: TCGA−AA−A02R−01A, spectrum: 72738
NTNSVPETAPAALPETR, K17R
Hyperscore=17.6438
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y8
y5
b8
b12
b13

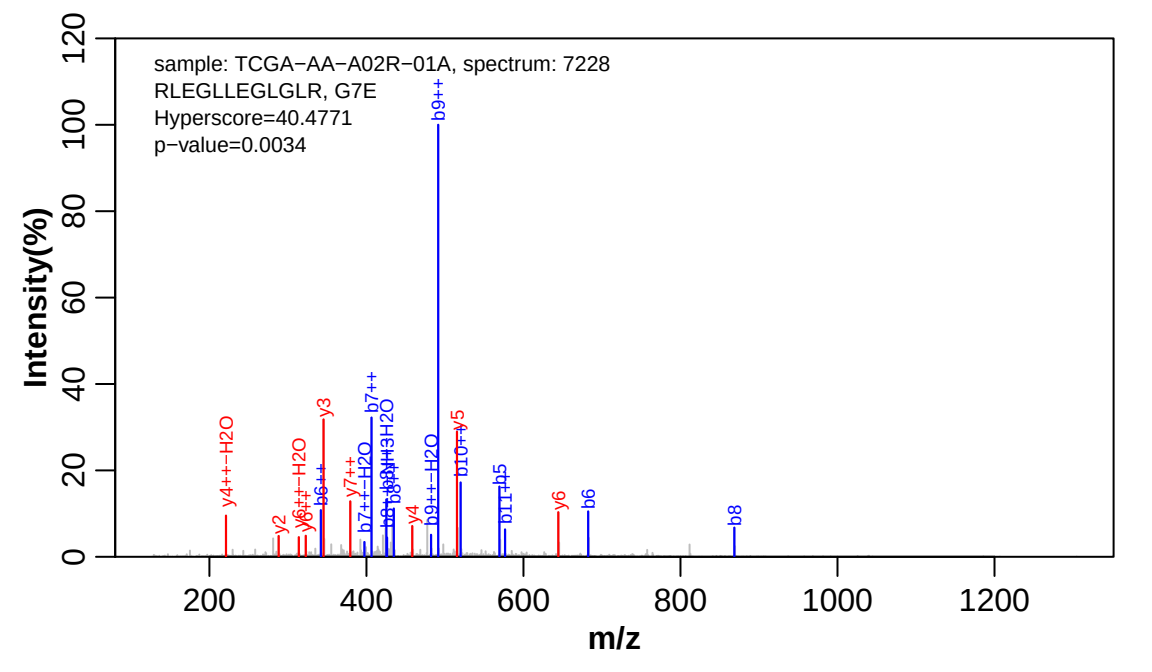

sample: TCGA−AA−A02R−01A, spectrum: 43565
PVAEYWNSQK, D2V
Hyperscore=19.9732
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b3
y3
b4
y4
b5−NH3
b5
y5
b6−H2O
b6
y6
b7−NH3
b7
y7
y8
y9

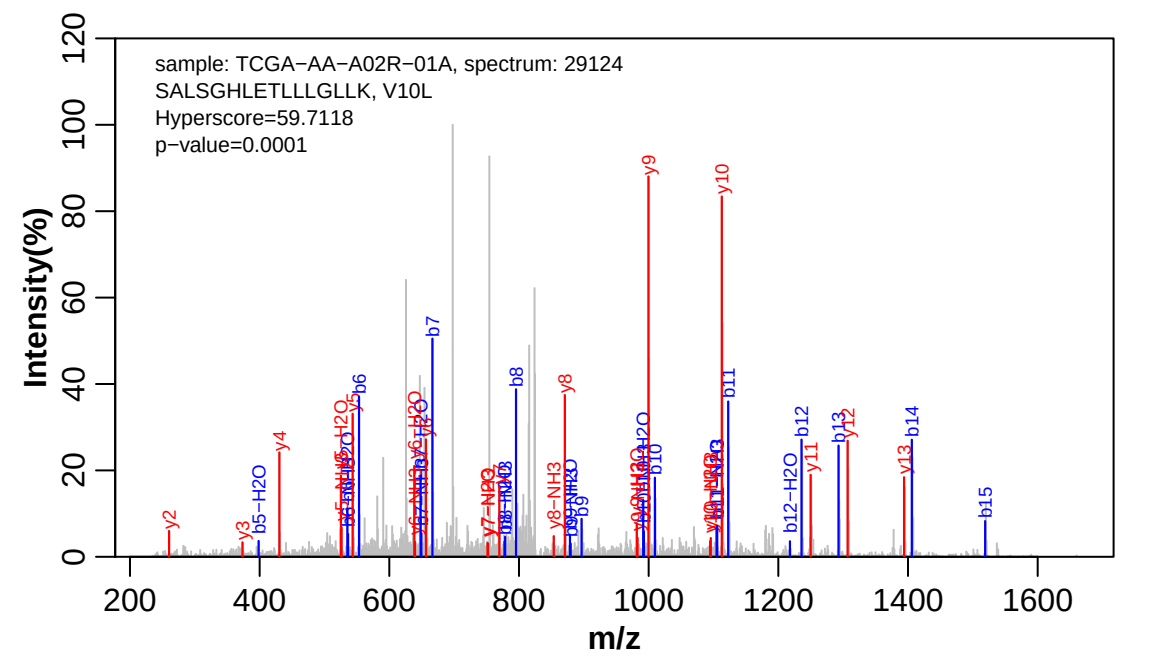

sample: TCGA−AA−A02R−01A, spectrum: 5401
QADPYLSEGLHPR, L4P
Hyperscore=24.4000
p−value=0.0001
Intensity(%)
m/z
y2
y3
b4
b5−NH3
b5−H2O
b5
y5
b6
y6
b7
y7
y8−NH3
y8−H2O
y8
y9
y10−H2O
b11−H2O
b11

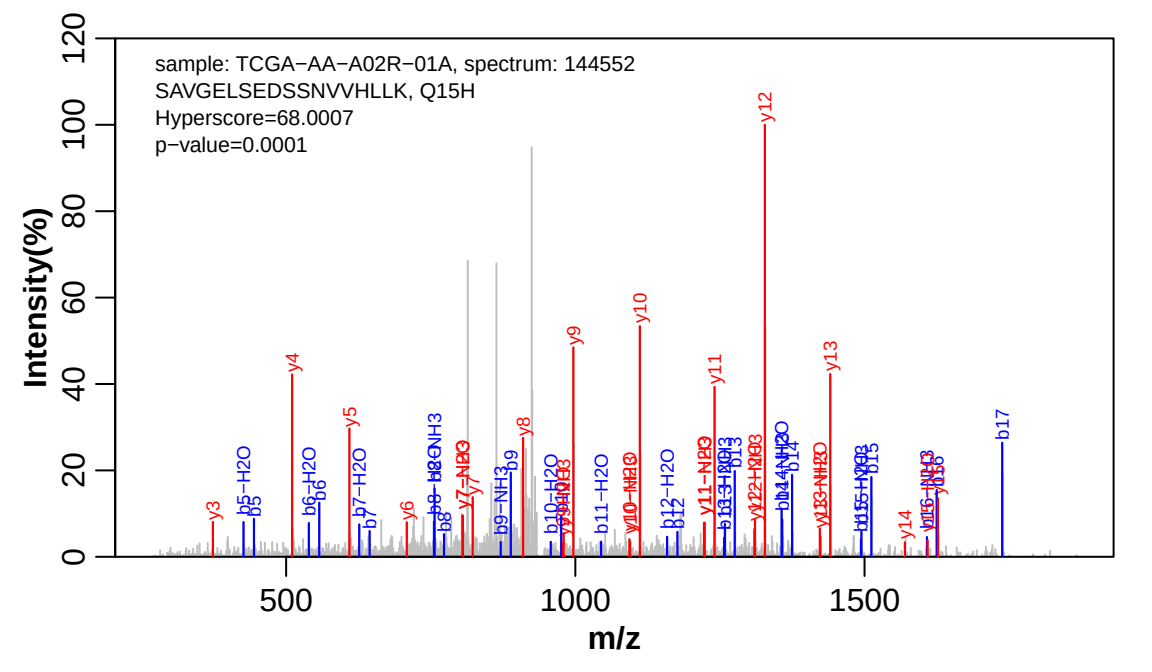

sample: TCGA−AA−A02R−01A, spectrum: 62823
QQHEGAQGALDSGEPPLCR, Q17L
Hyperscore=51.5258
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
y5++
y2
y4
b11++
b14++−H2O
b17++
b16++
y7
y9
b10−NH3
b11−NH3
y10
b14−NH3
b14

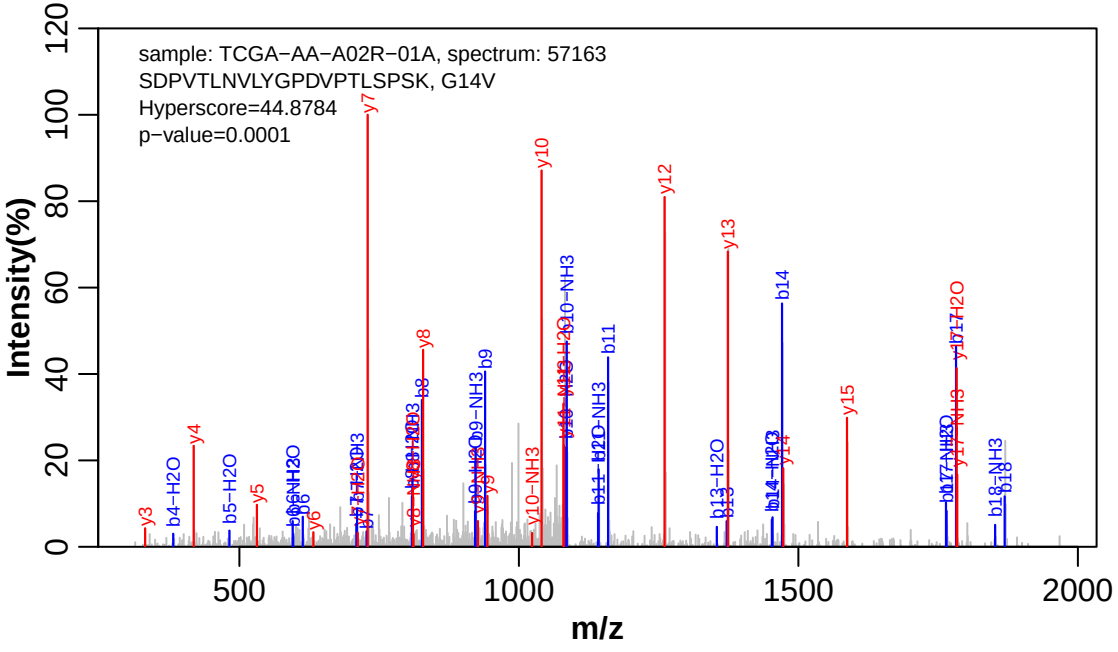

sample: TCGA−AA−A02R−01A, spectrum: 34931
QVGDFHQVLLR, A2V
Hyperscore=17.0824
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−NH3
b6++−H2O
b4++−NH3
b4++−H2O
y3
b7++−H2O
y8++−NH3
y7++
y4
y8++
y9++−H2O
y9++
y5

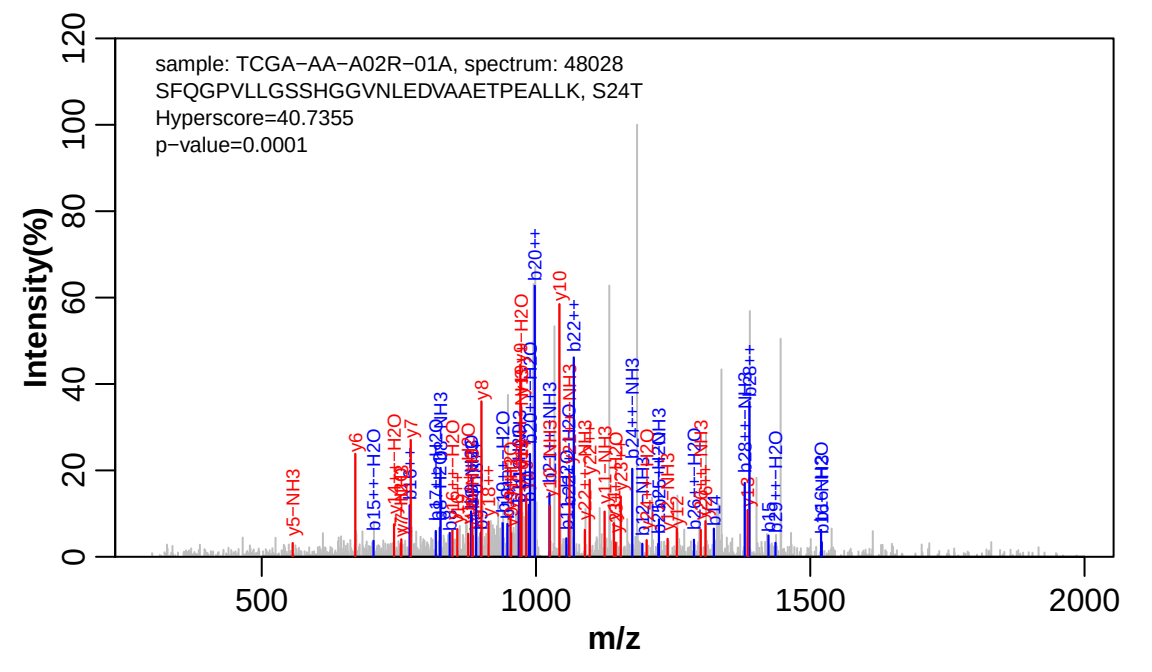

sample: TCGA−AA−A02R−01A, spectrum: 103514
RDDDGTLHAACQVQPSATLDAAQQR, A6T
Hyperscore=59.3689
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y4+++
b13+++
b14+++
b5−NH3
y14++−H2O
b16++−H2O
b17++−H2O
b18++−H2O
b19++−H2O
y6
b12++−H2O
b20++−NH3
b21++−H2O
b22++−NH3
y7
b22+++
b12++
b23+++−H2O
b15++−NH3
y8−H2O
y8
b17++
b18++−H2O
b18++
b20++
y11++−H2O
y11
b24++
b23+++

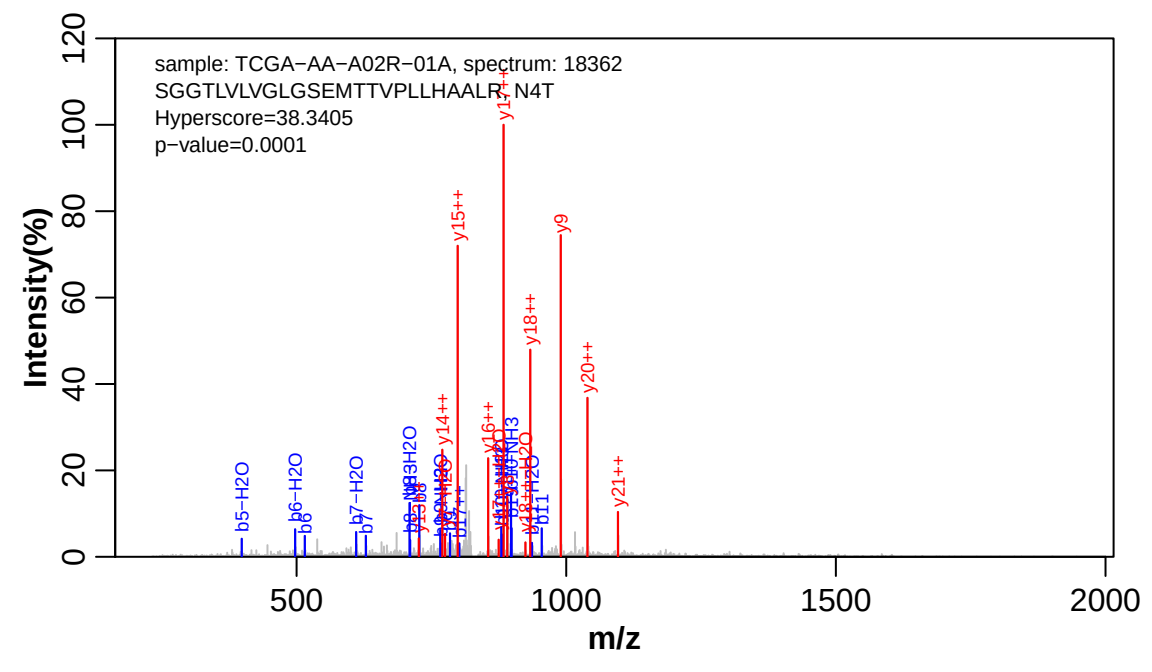

sample: TCGA−AA−A02R−01A, spectrum: 7228
RLEGLLEGLGLR, G7E
Hyperscore=40.4771
p−value=0.0034
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y4++−H2O
y2
y6++−H2O
y6++
b6++
y3
y7++
b7++−H2O
b7++
b8++−NH3−H2O
y4
b9++−H2O
b9++
b10++y5
b11++
b5
y6
b6
b8

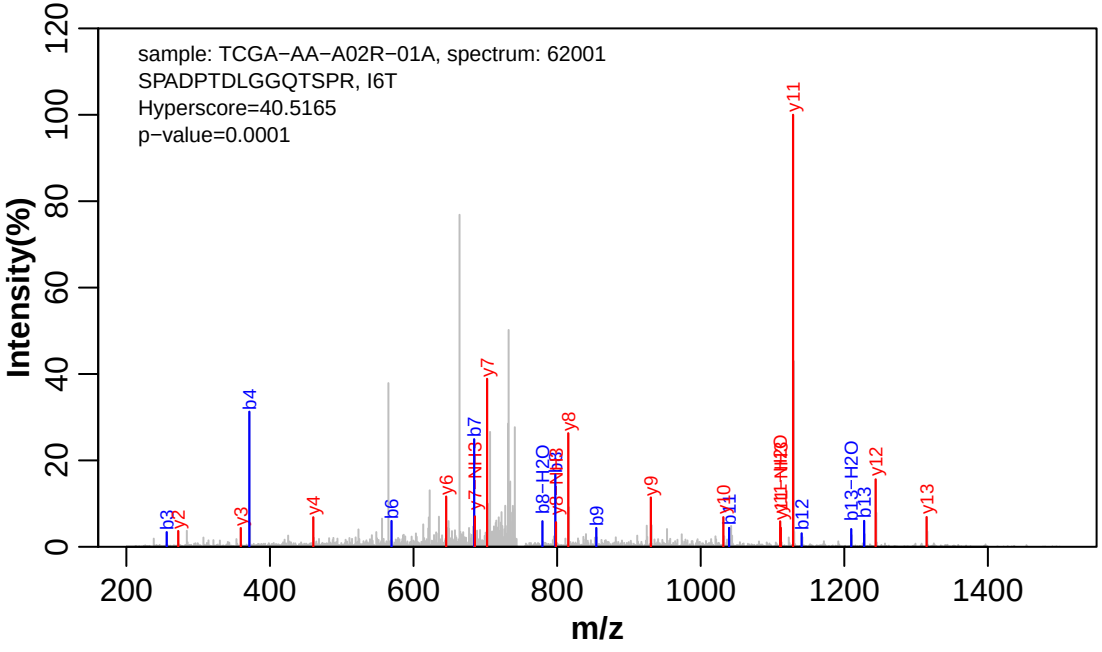

sample: TCGA−AA−A02R−01A, spectrum: 29124
SALSGHLETLLLGLLK, V10L
Hyperscore=59.7118
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b5−H2O
y4
b6
b7
b8
y8
y9
y10
b11
b12
y11
b12−H2O
b13
y12
b14
y13
b15

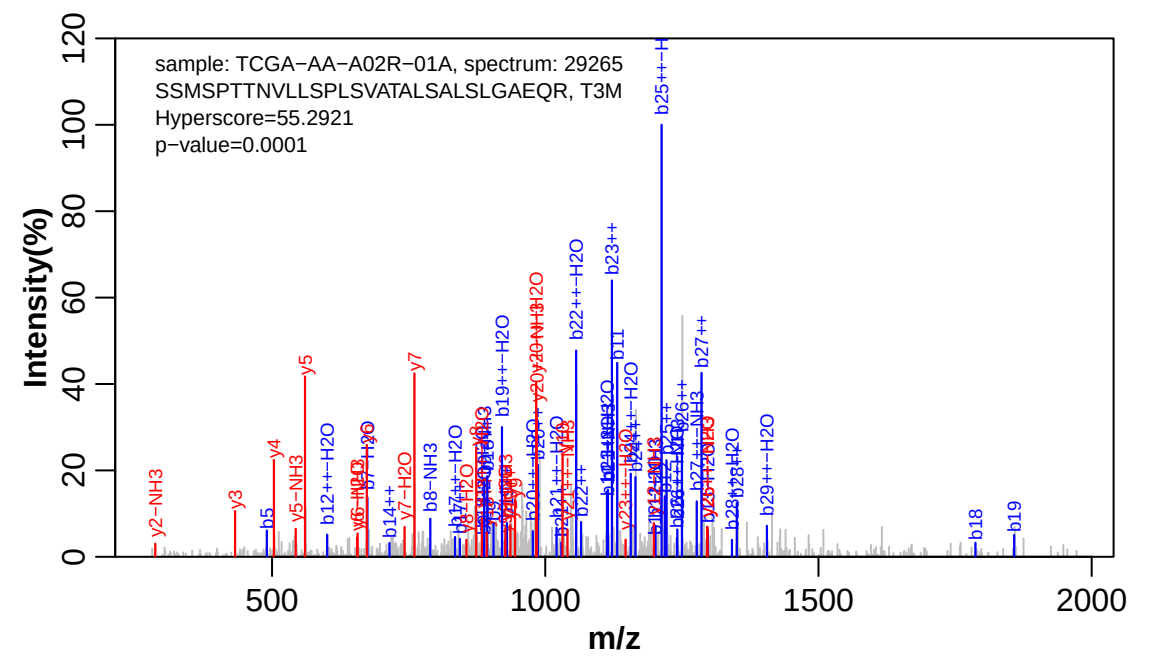

sample: TCGA−AA−A02R−01A, spectrum: 144552
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=68.0007
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y4
y5
y3
y6
y8
y9
y10
y11
y13
b17
y14
b5−H2O
b6−H2O
b7−H2O
b9−NH3
b11−H2O
b12−H2O

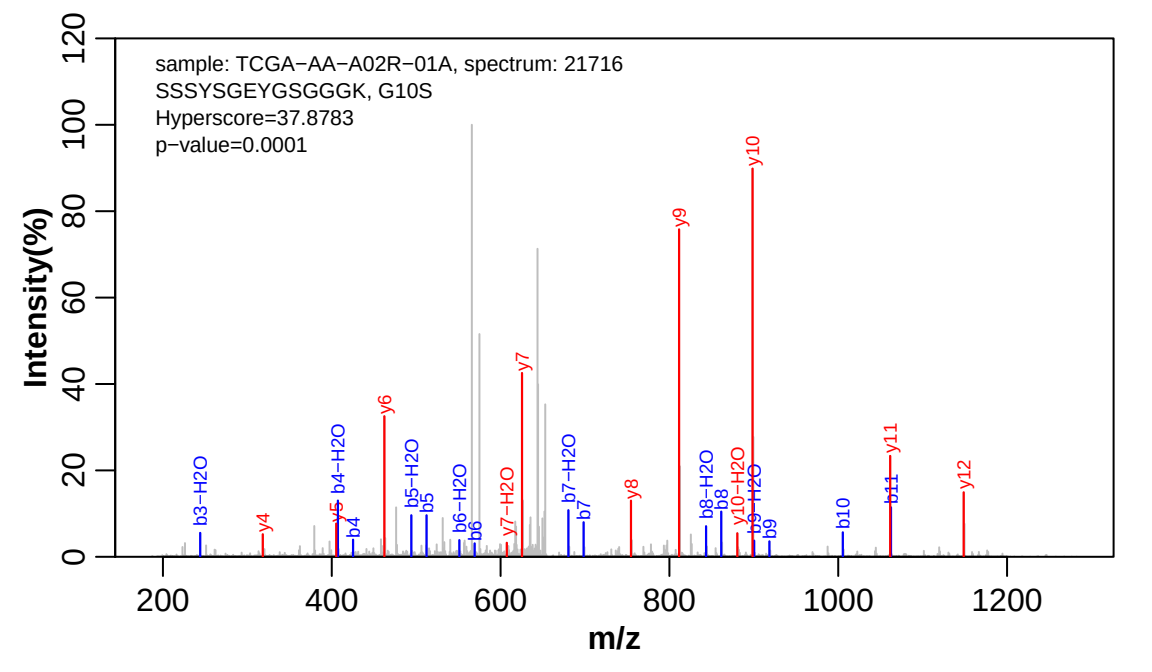

sample: TCGA−AA−A02R−01A, spectrum: 57163
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=44.8784
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
b4−H2O
y4
b5−H2O
y5
y6
y7
y8
b9
y10−NH3
y10
b11
y12
y13
b14
y15
b18−NH3

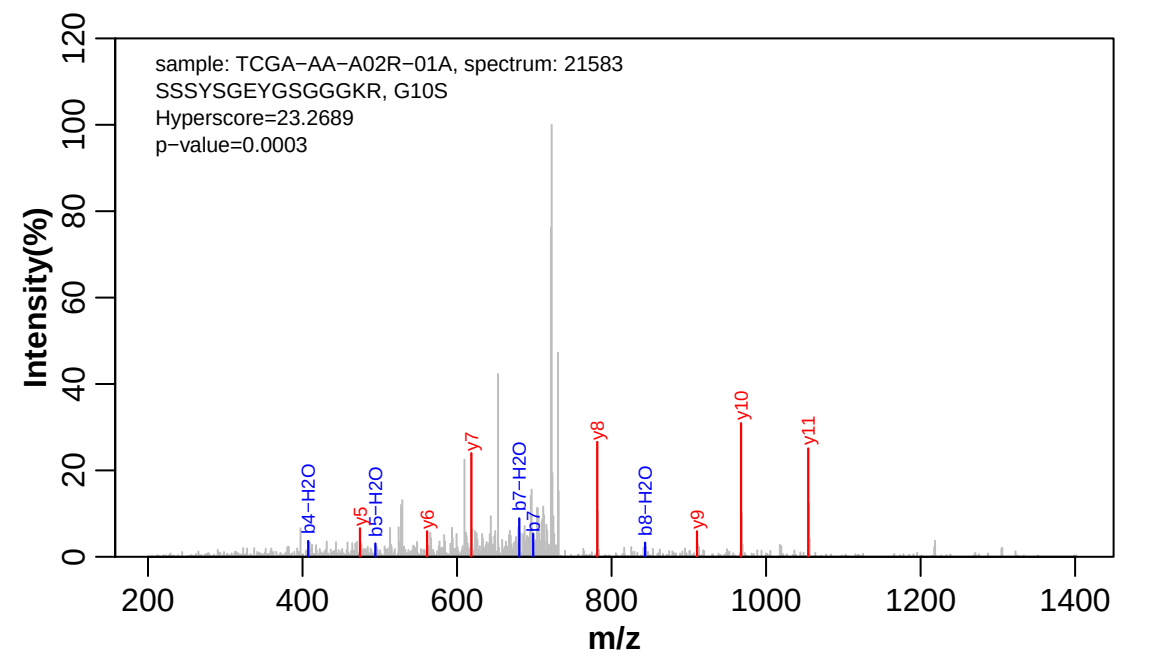

sample: TCGA−AA−A02R−01A, spectrum: 48028
SFQGPVLLGSSHGGVNLEDVAAETPEALLK, S24T
Hyperscore=40.7355
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5−NH3
y6
b15++−H2O
y8
b20++
y10
b22++
y7
b28++
b15
b16−NH2O

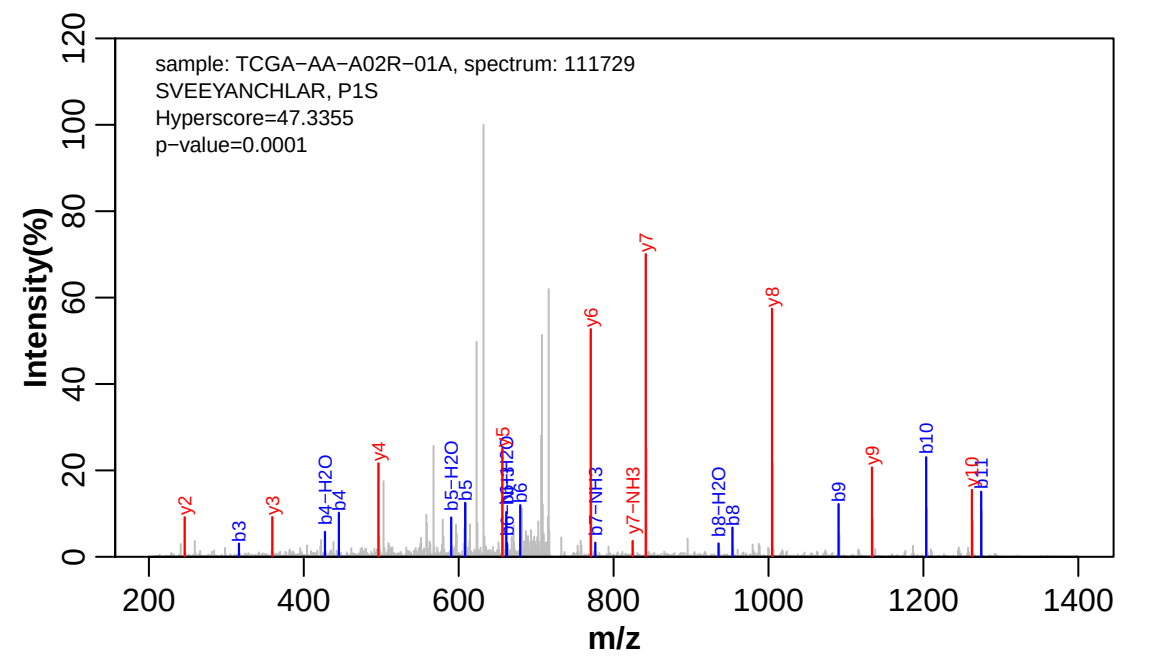

sample: TCGA−AA−A02R−01A, spectrum: 18362
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=38.3405
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y17++
y15++
y9
y18++
y20++
y14++
y16++
y21++
b5−H2O
b6−H2O
b6
b7−H2O
b7
b11
y11

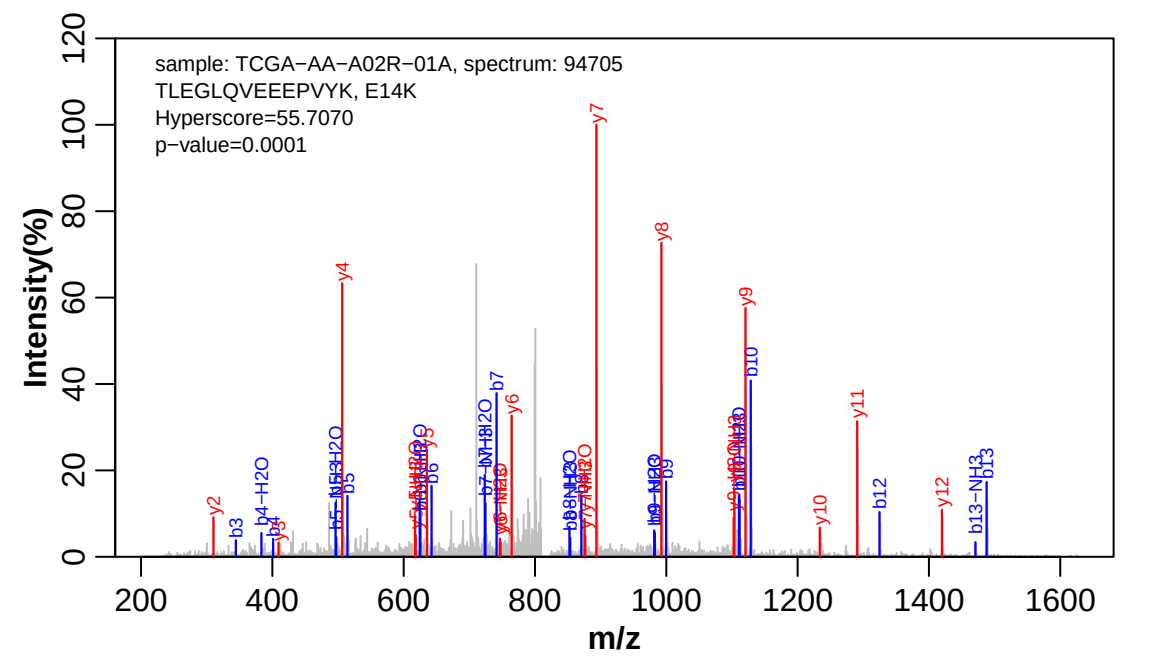

sample: TCGA−AA−A02R−01A, spectrum: 62001
SPADPTDLGGQTSPR, I6T
Hyperscore=40.5165
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
b6
y6
y7−NH3
b7
y7
b8−H2O
y8
y9
b9
y10
b11
y11−NH3
y11−H2O
y11
b12
b13−H2O
b13
y12
y13

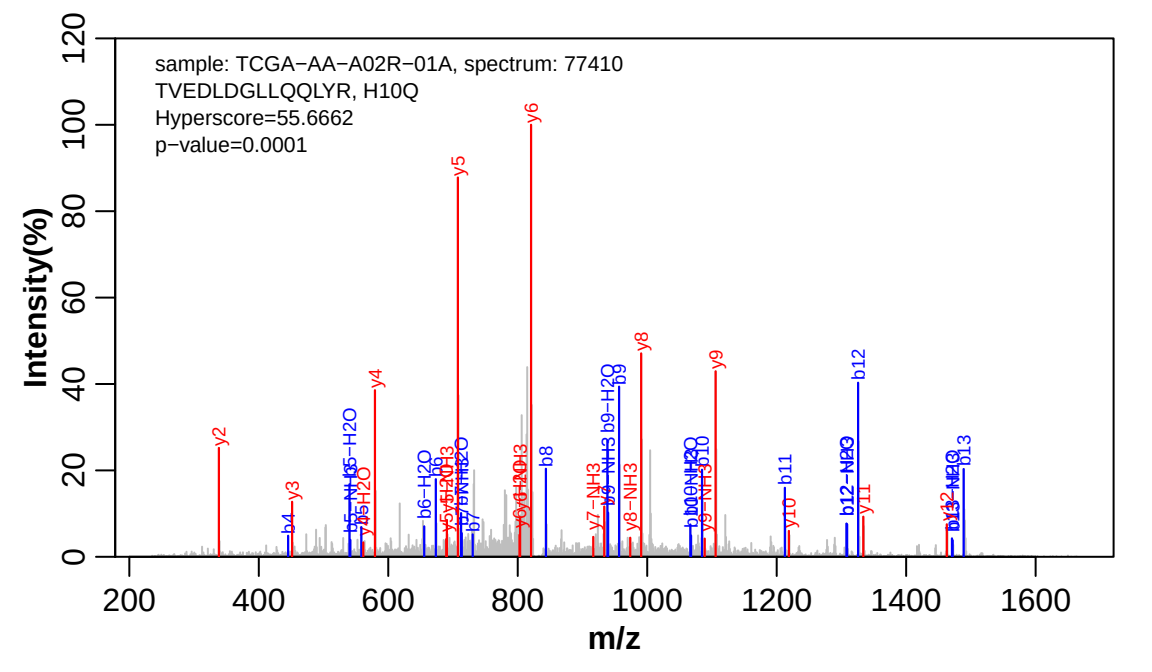

sample: TCGA−AA−A02R−01A, spectrum: 29265
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=55.2921
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2−NH3
y3
b5
y4
y5−NH3
y5
b12++−H2O
b14++
y7−H2O
y7
b8−NH3
b19++−H2O
b22++−H2O
b23++
b25++−H2O
b27++
b29++−H2O
b18
b19

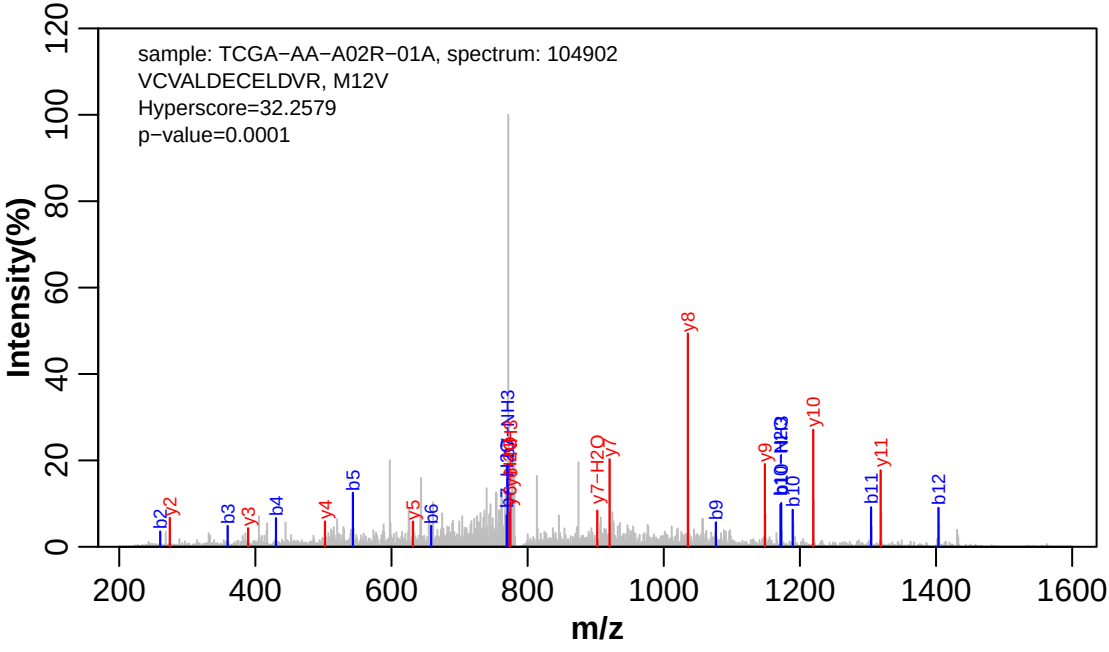

sample: TCGA−AA−A02R−01A, spectrum: 21716
SSSYSGEYGSGGGK, G10S
Hyperscore=37.8783
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
y5
b4−H2O
b4
y6
b5−H2O
b5
b6−H2O
b6
y7−H2O
y7
b7−H2O
b7
y8
y9
b8−H2O
b8
y10−H2O
y10
b9−H2O
b9
b10
y11
b11
y12

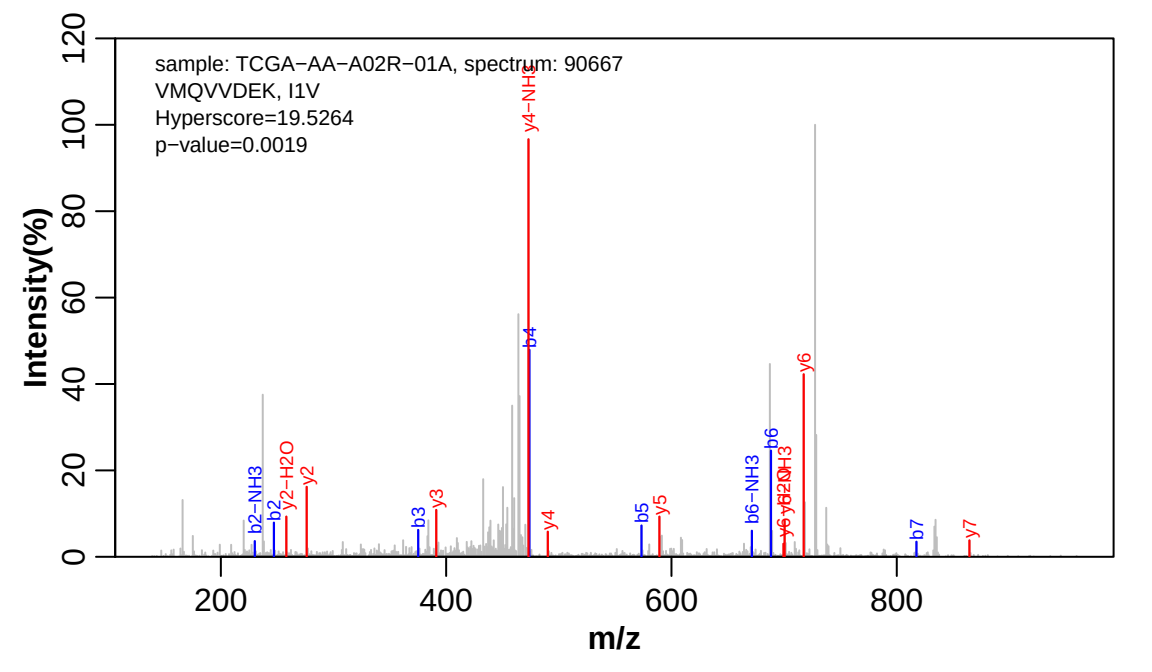

sample: TCGA−AA−A02R−01A, spectrum: 21583
SSSYSGEYGSGGGKR, G10S
Hyperscore=23.2689
p−value=0.0003
Intensity(%)
m/z
b4−H2O
y5
b5−H2O
y6
y7
b7−H2O
b7
y8
b8−H2O
y9
y10
y11

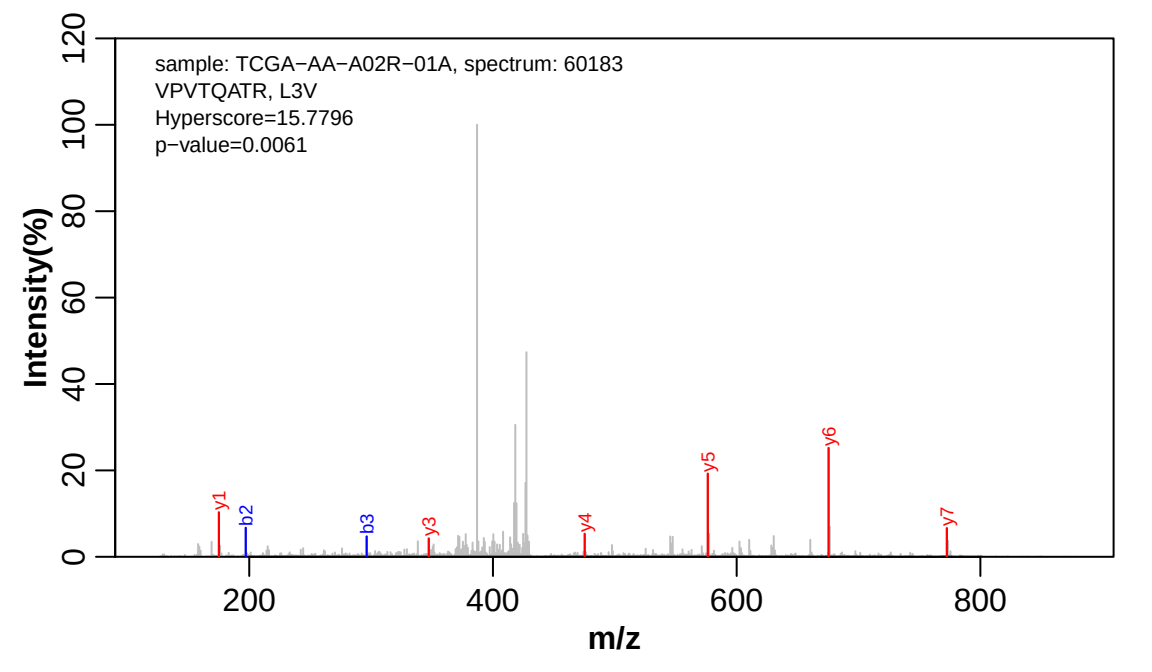

sample: TCGA−AA−A02R−01A, spectrum: 111729
SVEEYANCHLAR, P1S
Hyperscore=47.3355
p−value=0.0001
Intensity(%)
m/z
y2
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
b6
y6
b7−NH3
y7
y7−NH3
b8−H2O
b8
b9
y8
y9
b10
y10
b11

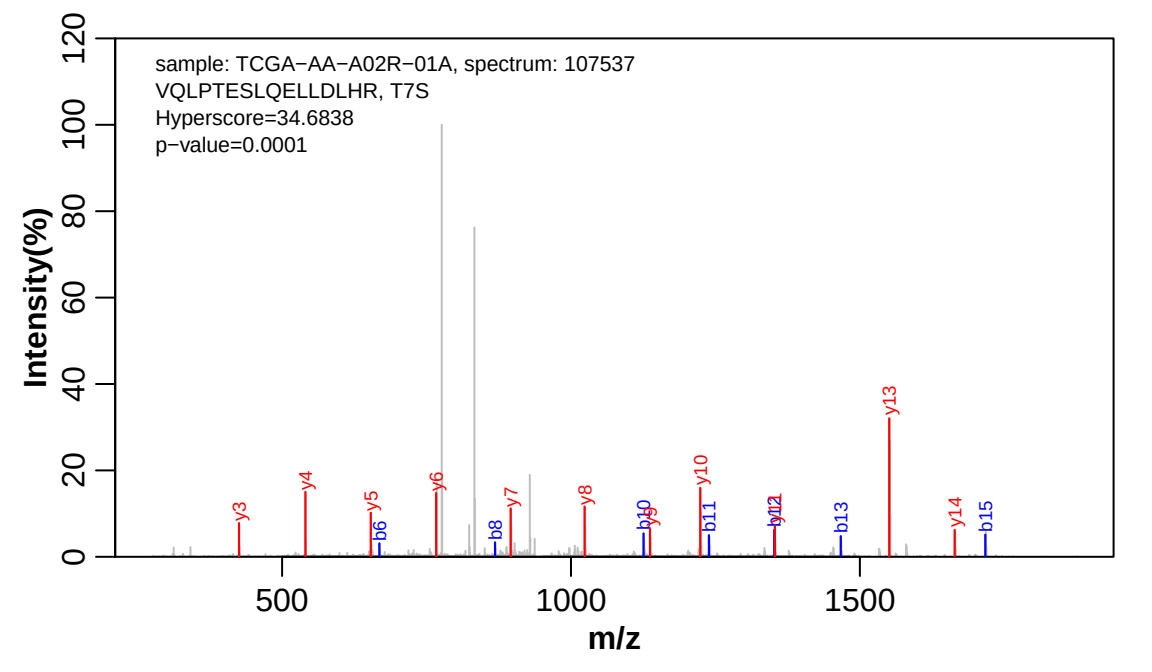

sample: TCGA−AA−A02R−01A, spectrum: 94705
TLEGLQVEEEPVYK, E14K
Hyperscore=55.7070
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y8
y4
y9
b10
y11
y6
b7
y2
b3
b4−H2O
b4
y3
b5
b12
y12
y10
b13−NH3
b13

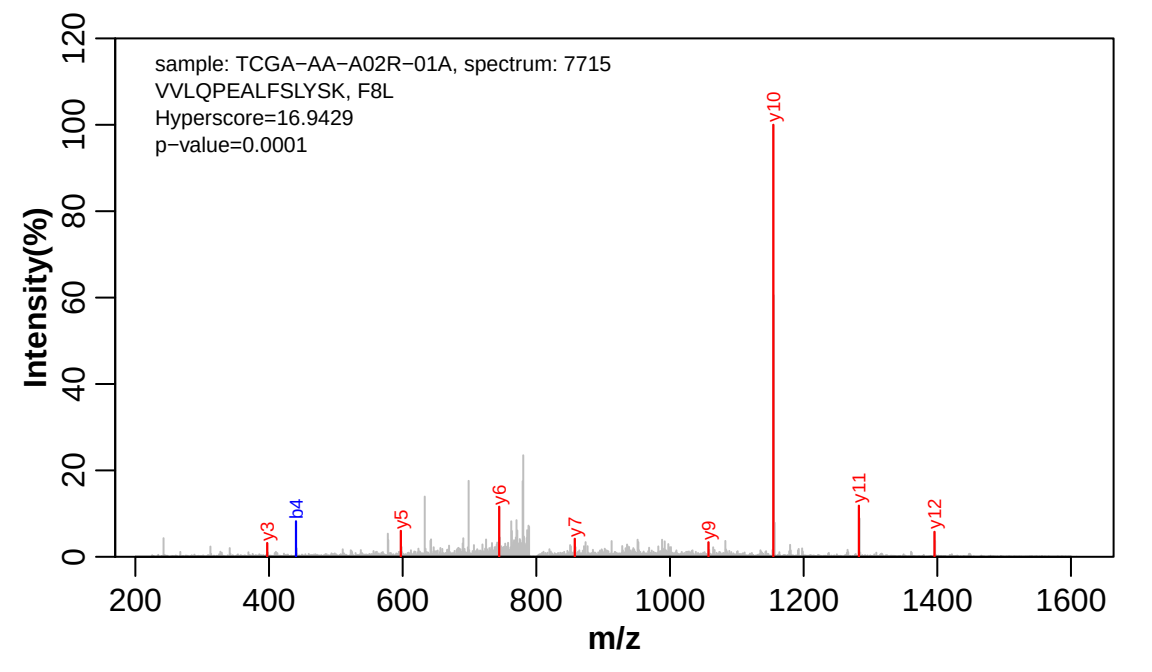

sample: TCGA−AA−A02R−01A, spectrum: 77410
TVEDLDGLLQQLYR, H10Q
Hyperscore=55.6662
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b4
y4
y5
y6
b8
y8
y9
b12
y10
b11
y11
b13

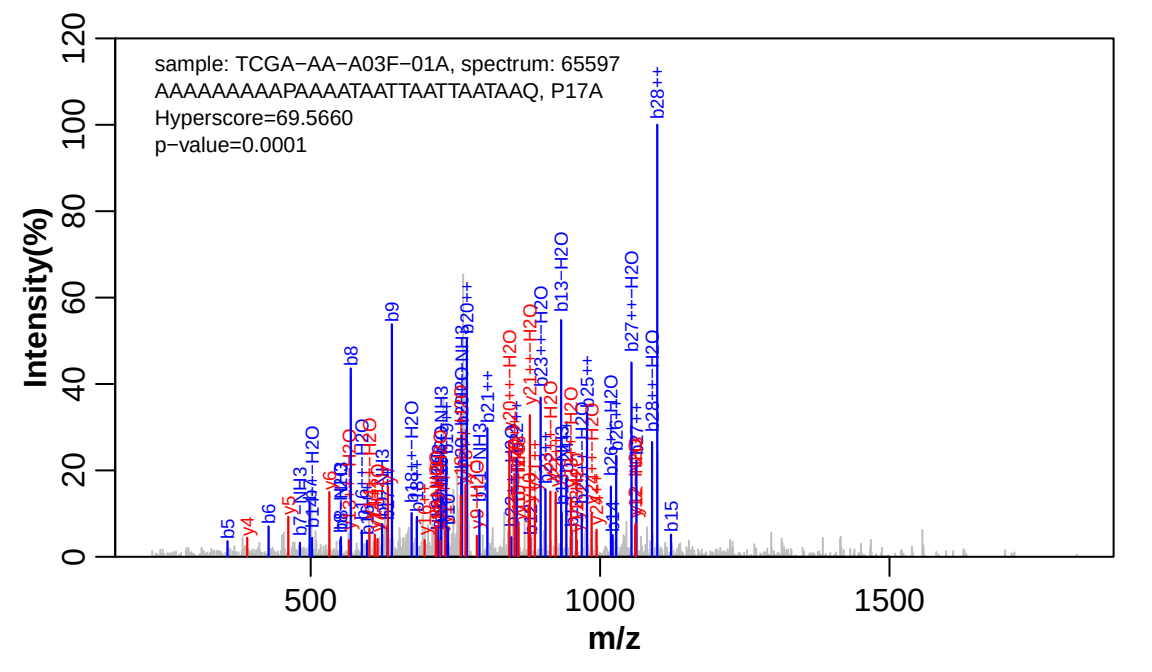

sample: TCGA−AA−A02R−01A, spectrum: 104902
VCVALDECELDVR, M12V
Hyperscore=32.2579
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y2
b3
y3
b4
y4
b5
y5
b6
y6
y7−H2O
y7
b9
y8
y9
b10−NH3
b10
y10
b11
y11
b12

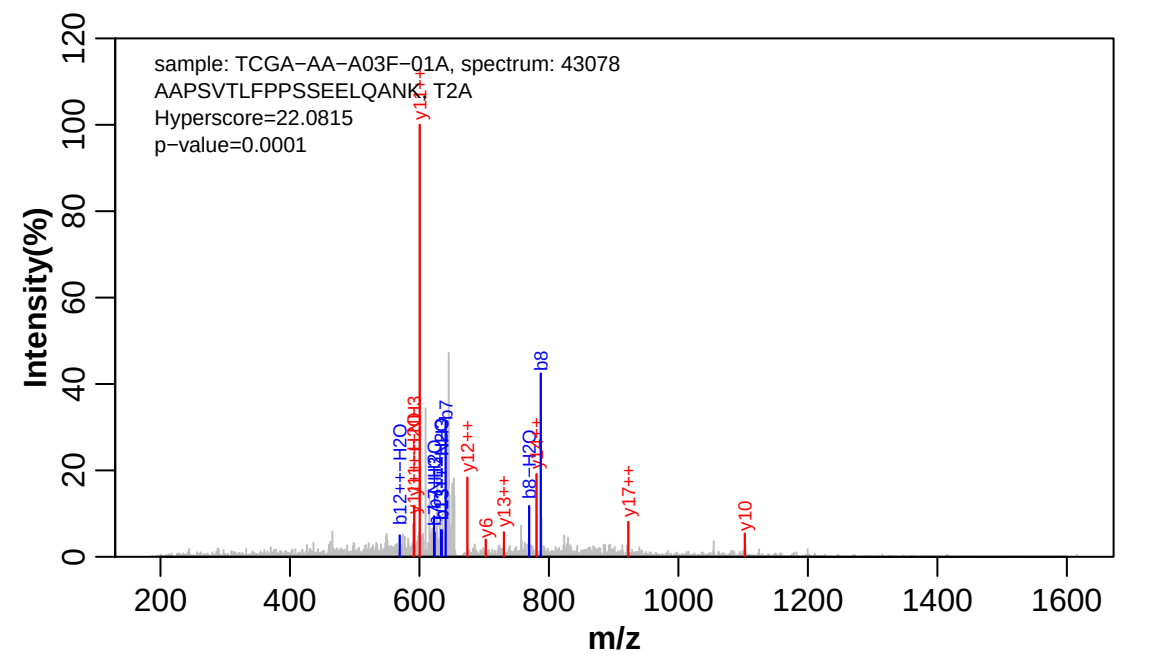

sample: TCGA−AA−A02R−01A, spectrum: 90667
VMQVVDEK, I1V
Hyperscore=19.5264
p−value=0.0019
Intensity(%)
m/z
y4−NH3
b4
y6
b2−NH3
b2
y2−H2O
y2
b3
y3
y4
b5
y5
b6−NH3
b6
y7
b7

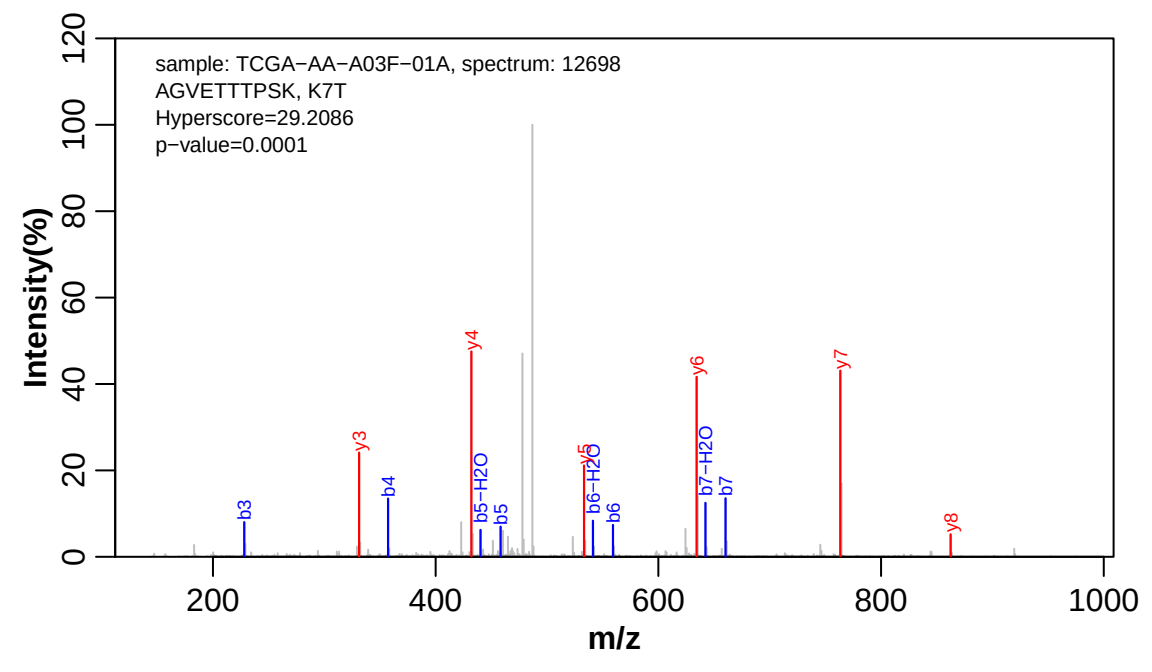

sample: TCGA−AA−A02R−01A, spectrum: 60183
VPVTQATR, L3V
Hyperscore=15.7796
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
y4
y5
y6
y7

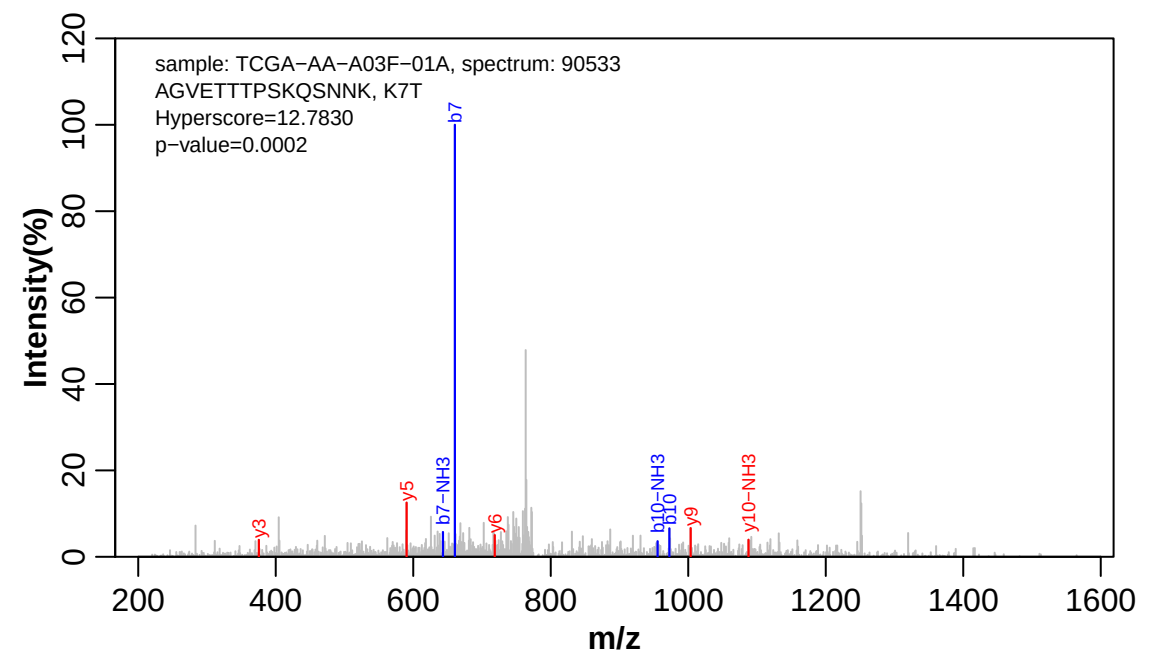

sample: TCGA−AA−A02R−01A, spectrum: 107537
VQLPTESLQELLDLHR, T7S
Hyperscore=34.6838
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
y5
b6
y6
b8
y7
y8
b10
y9
y10
b11
b12
b13
y13
y14
b15

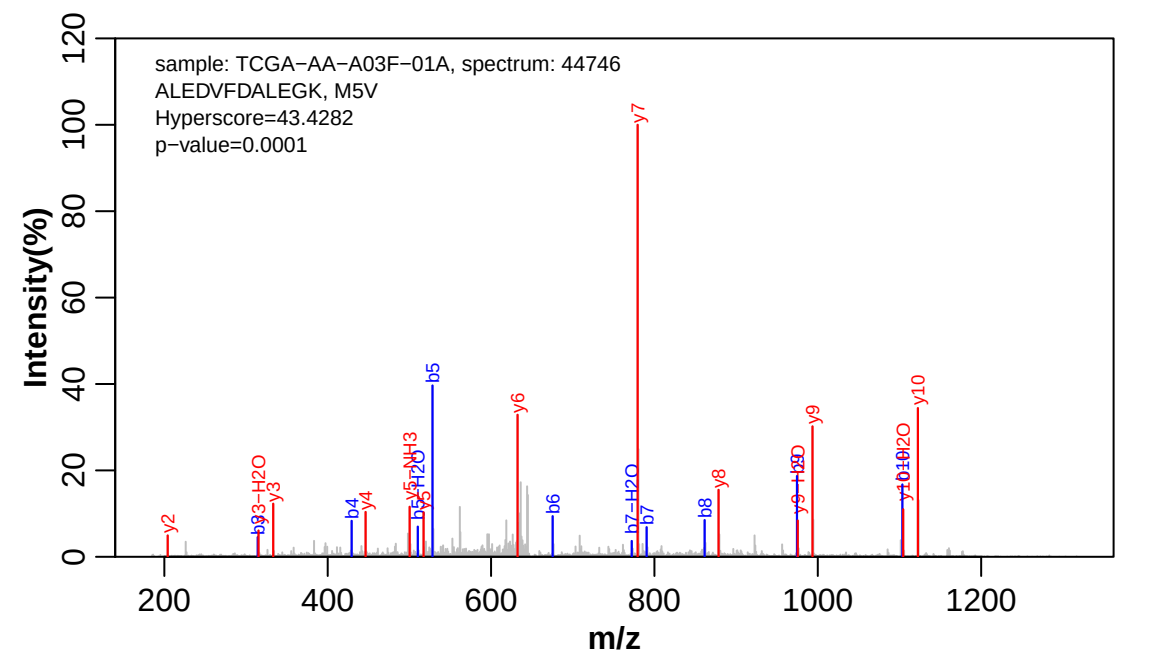

sample: TCGA−AA−A02R−01A, spectrum: 7715
VVLQPEALFSLYSK, F8L
Hyperscore=16.9429
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z
y3
b4
y5
y6
y7
y9
y10
y11
y12

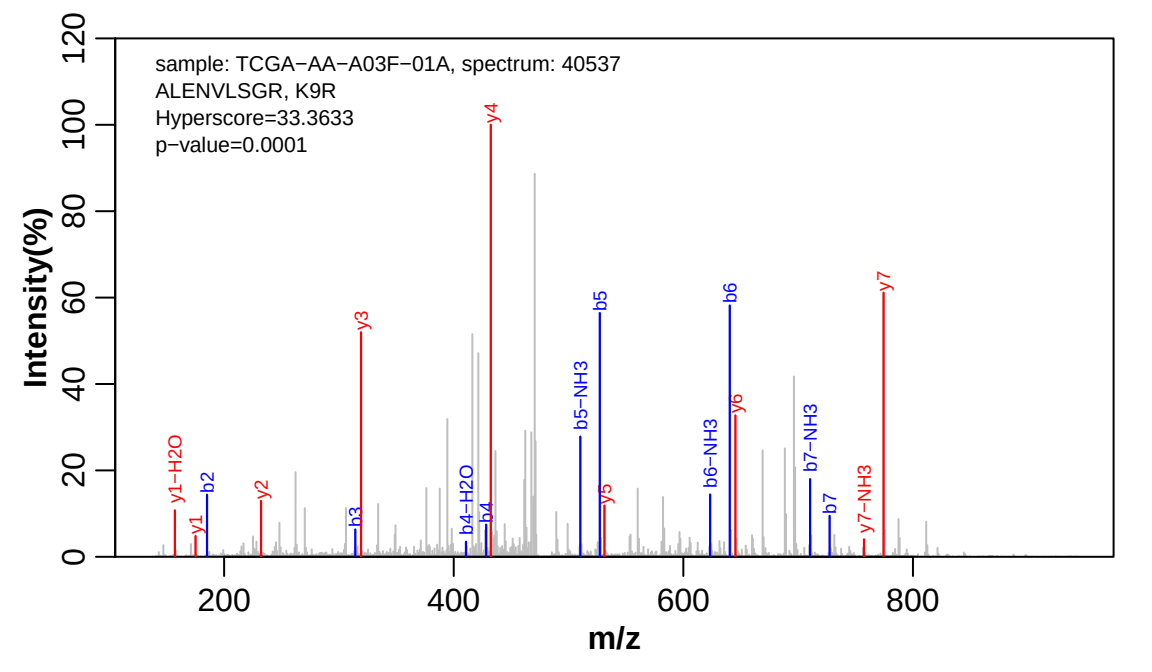

sample: TCGA−AA−A03F−01A, spectrum: 65597
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=69.5660
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b27++−H2O
b13−H2O
b9
b8
b15
b5
y4
b6
y5
b7−NH3
b14−H2O
b21++
b23++−H2O
b25++
b26−H2O
y22++
b28++−H2O

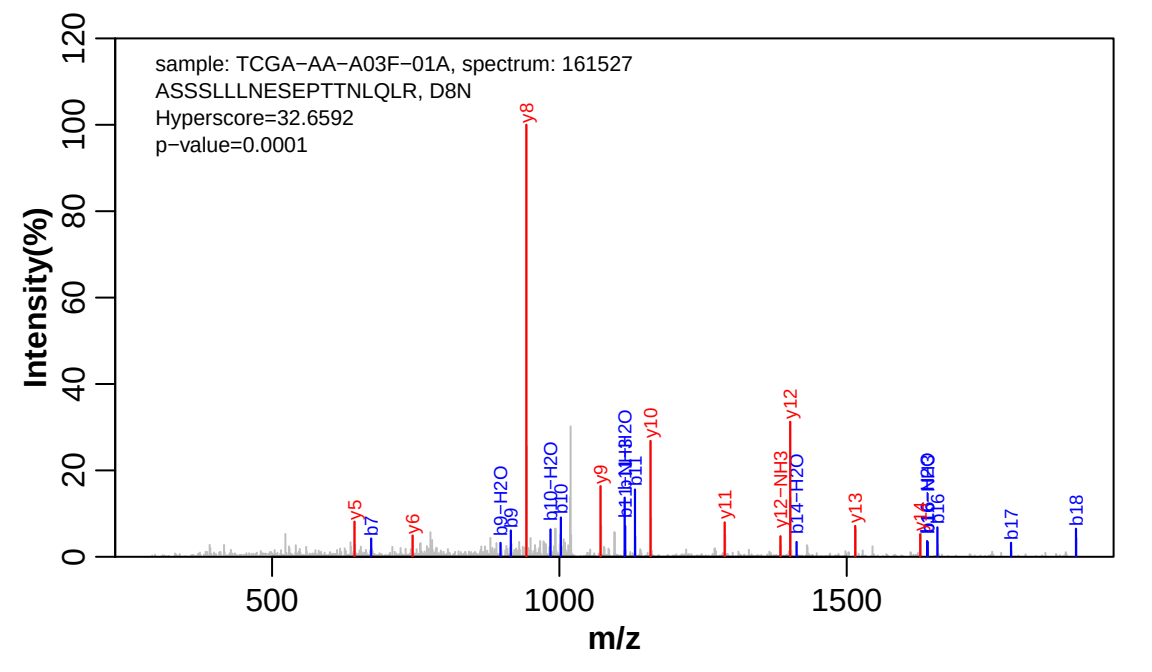

sample: TCGA−AA−A03F−01A, spectrum: 43078
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=22.0815
p−value=0.0001
Intensity(%)
m/z
y12++
y6
y13++
y17++
y10
b8

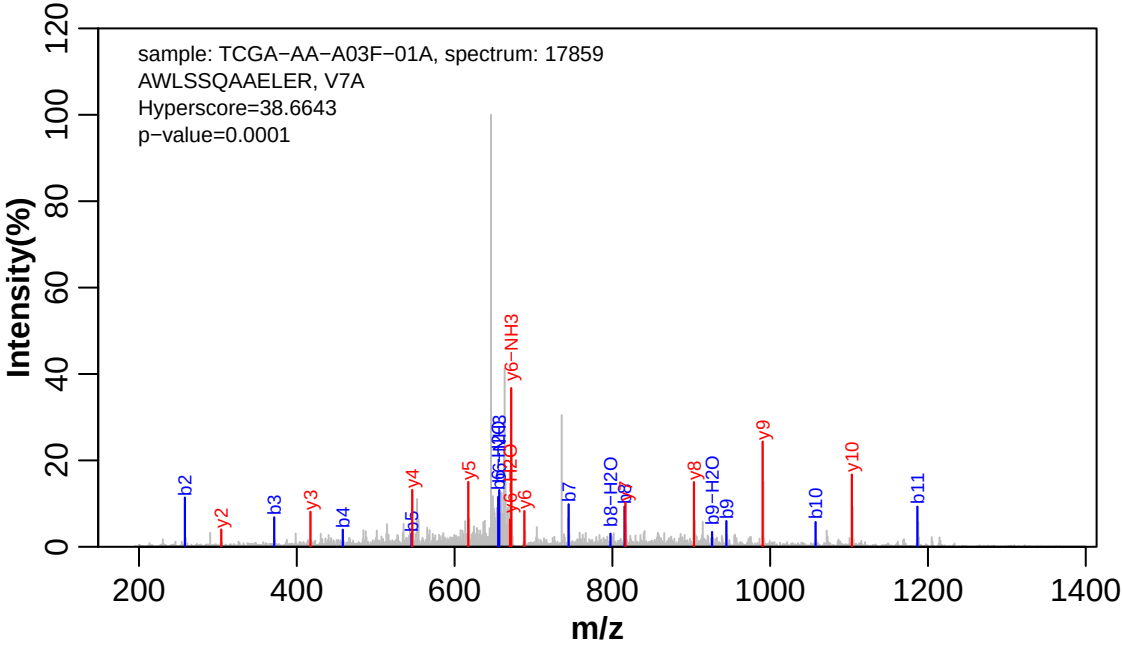

sample: TCGA−AA−A03F−01A, spectrum: 12698
AGVETTTPSK, K7T
Hyperscore=29.2086
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8

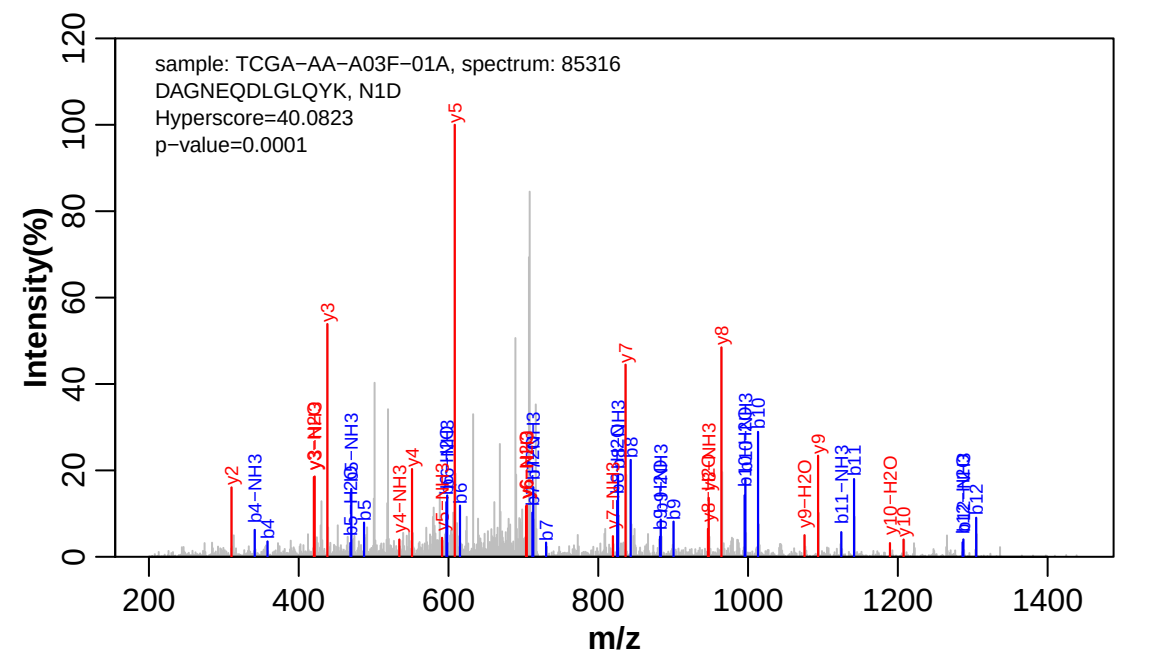

sample: TCGA−AA−A03F−01A, spectrum: 90533
AGVETTTPSKQSNNK, K7T
Hyperscore=12.7830
p−value=0.0002
b7
y5
b7−NH3
y3
y6
b10−NH3
b10
y9
y10−NH3
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

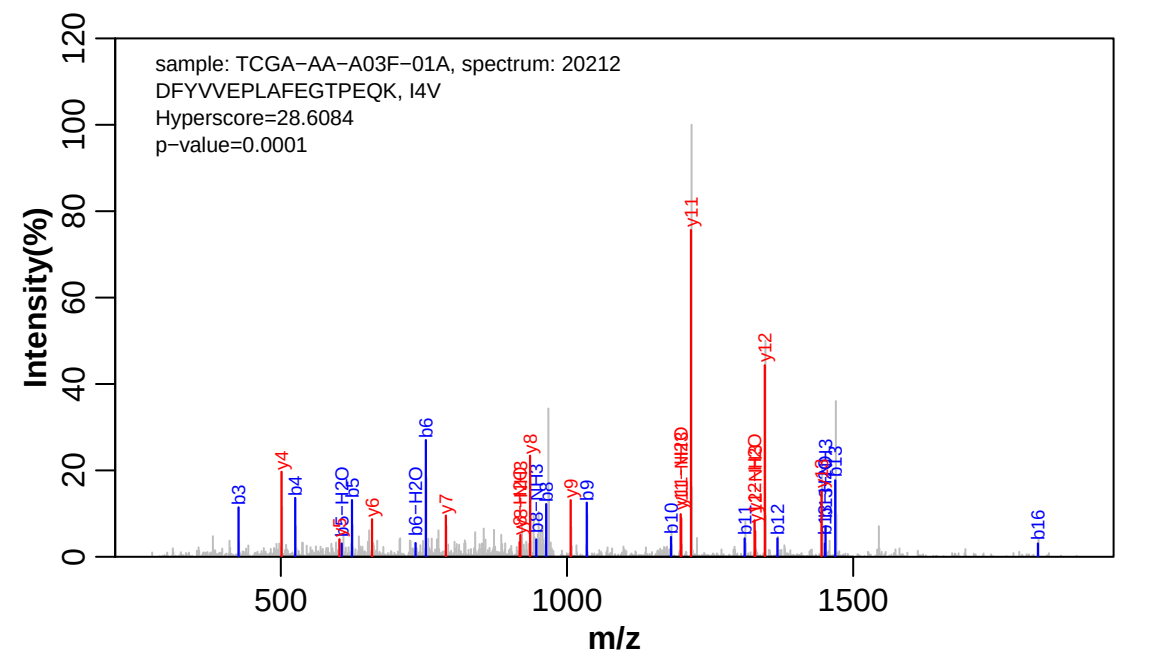

sample: TCGA−AA−A03F−01A, spectrum: 44746
ALEDVFDALEGK, M5V
Hyperscore=43.4282
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4
y4
y5−NH3
b5−H2O
b5
y6
b6
b7−H2O
b7
y7
b8
y8
y9−H2O
y9
y10−H2O
y10

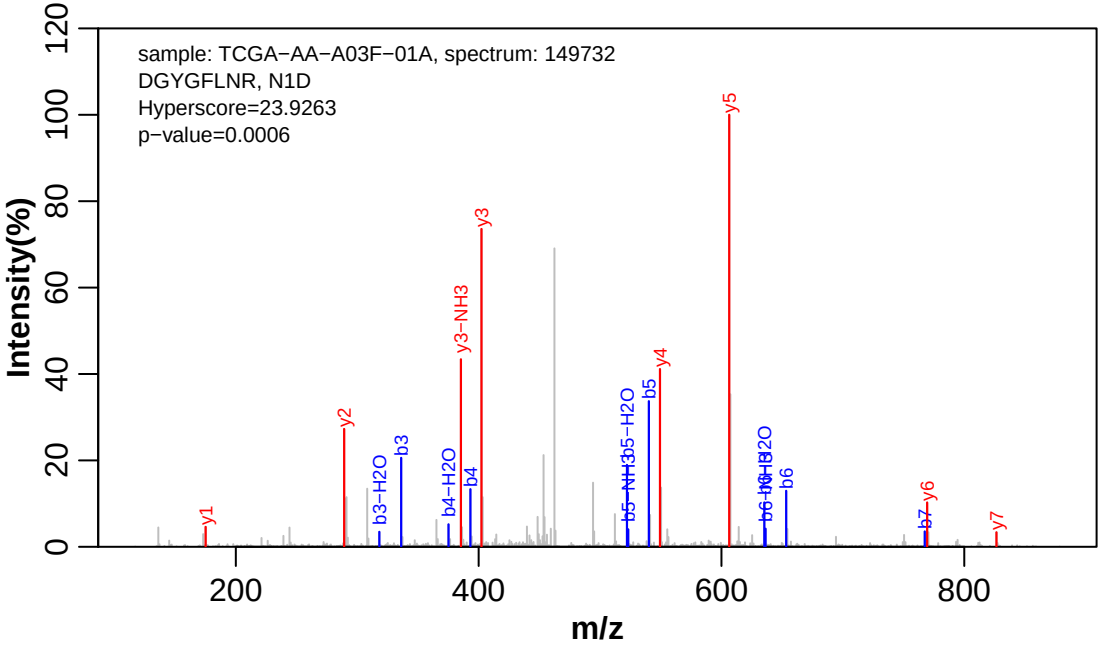

sample: TCGA−AA−A03F−01A, spectrum: 40537
ALENVLSGR, K9R
Hyperscore=33.3633
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1−H2O
y1
b2
y2
y3
b3
b4−H2O
b4
y4
b5−NH3
b5
y5
b6−NH3
b6
y6
b7−NH3
b7
y7−NH3
y7

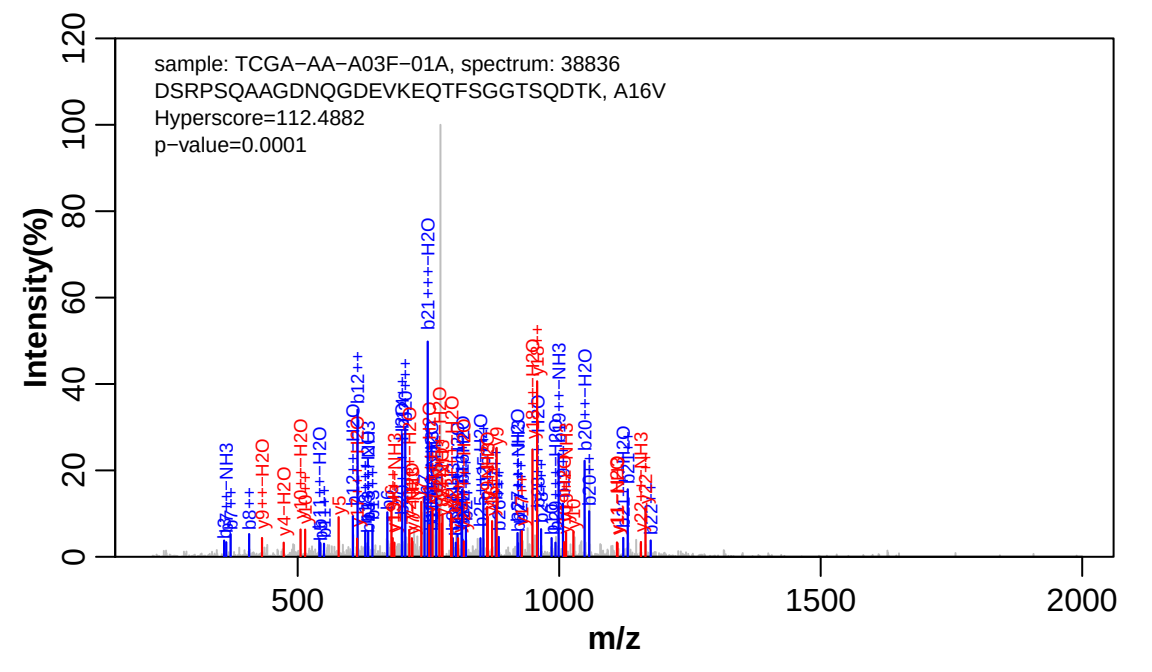

sample: TCGA−AA−A03F−01A, spectrum: 161527
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=32.6592
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y8
y5
b7
y6
b9−H2O
b9
b10−H2O
b10
y9
b11−NH3
b11−H2O
b11
y10
y11
y12−NH3
y12
b14−H2O
y13
b17
b18

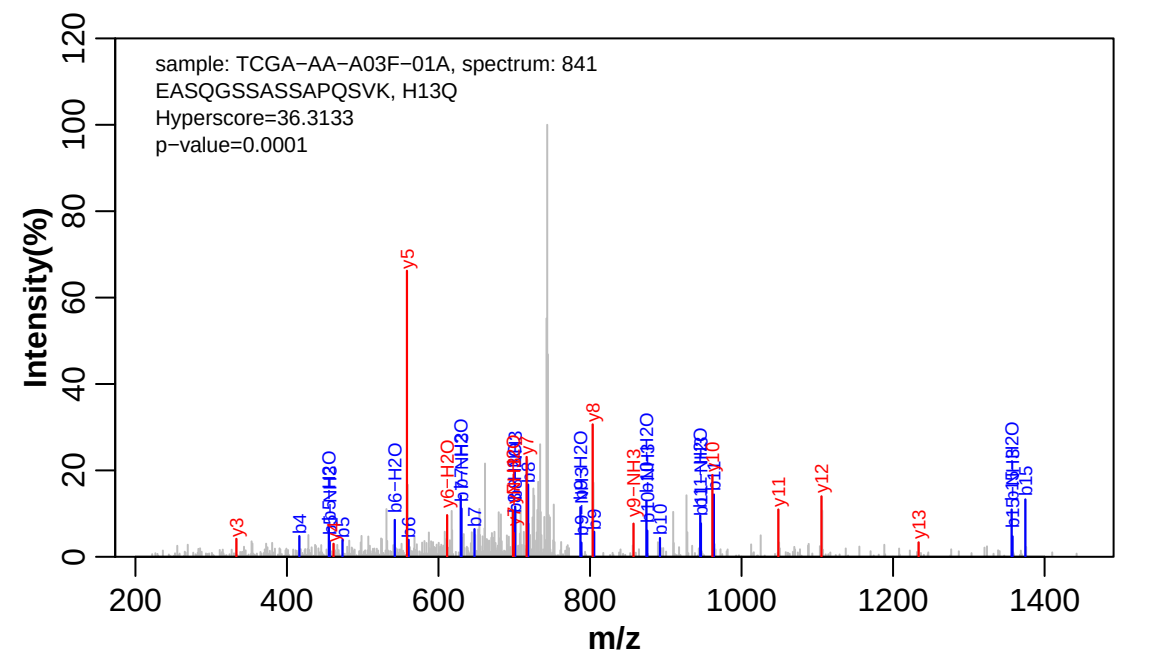

sample: TCGA−AA−A03F−01A, spectrum: 17859
AWLSSQAAELER, V7A
Hyperscore=38.6643
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
y4
b5
y5
y6−NH3
y6−H2O
y6
b7
b8−H2O
b8
y8
b9−H2O
b9
y9
b10
y10
b11

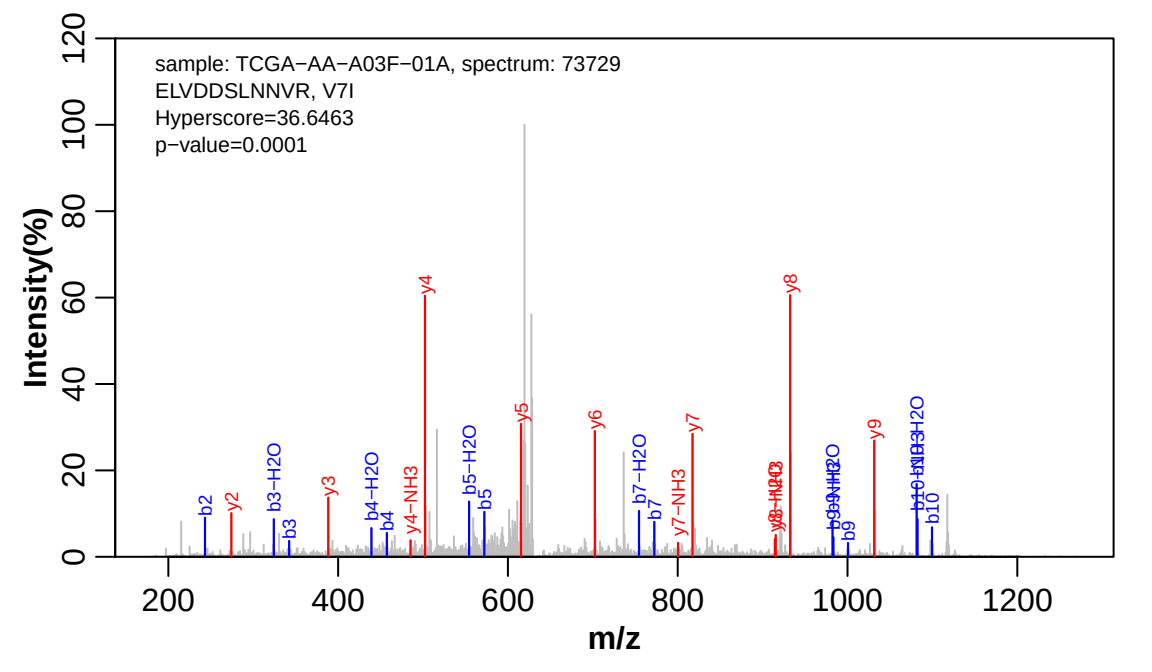

sample: TCGA−AA−A03F−01A, spectrum: 85316
DAGNEQDLGLQYK, N1D
Hyperscore=40.0823
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y3
y8
y7
y4
y2
y9
b10
b11
b8
b6
b5
b4
b7
b9
b12
y10
y6
y4−NH3
y9−H2O
b11−NH3
y10−H2O
b4−NH3
b5−NH3

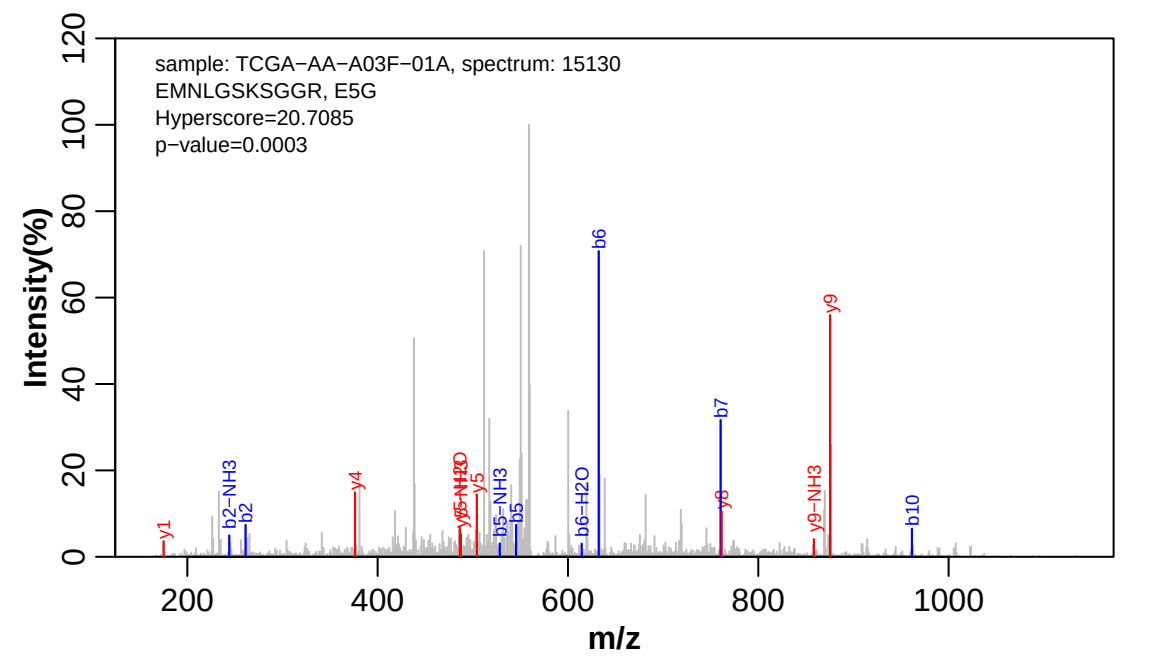

sample: TCGA−AA−A03F−01A, spectrum: 20212
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=28.6084
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
y4
b4
b5−H2O
b5
y6
b6−H2O
b6
y7
y8
b8−NH3
b8
y9
b9
y11
b10
b11
y12
b12
b13
b16

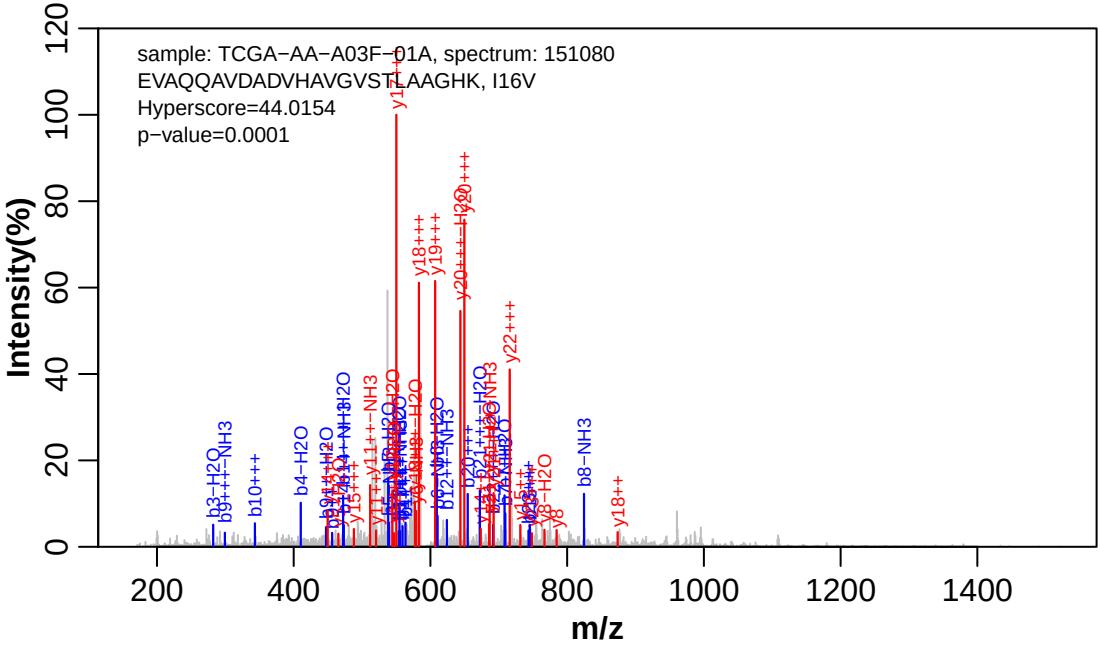

sample: TCGA−AA−A03F−01A, spectrum: 149732
DGYGFLNR, N1D
Hyperscore=23.9263
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6
y6
y7

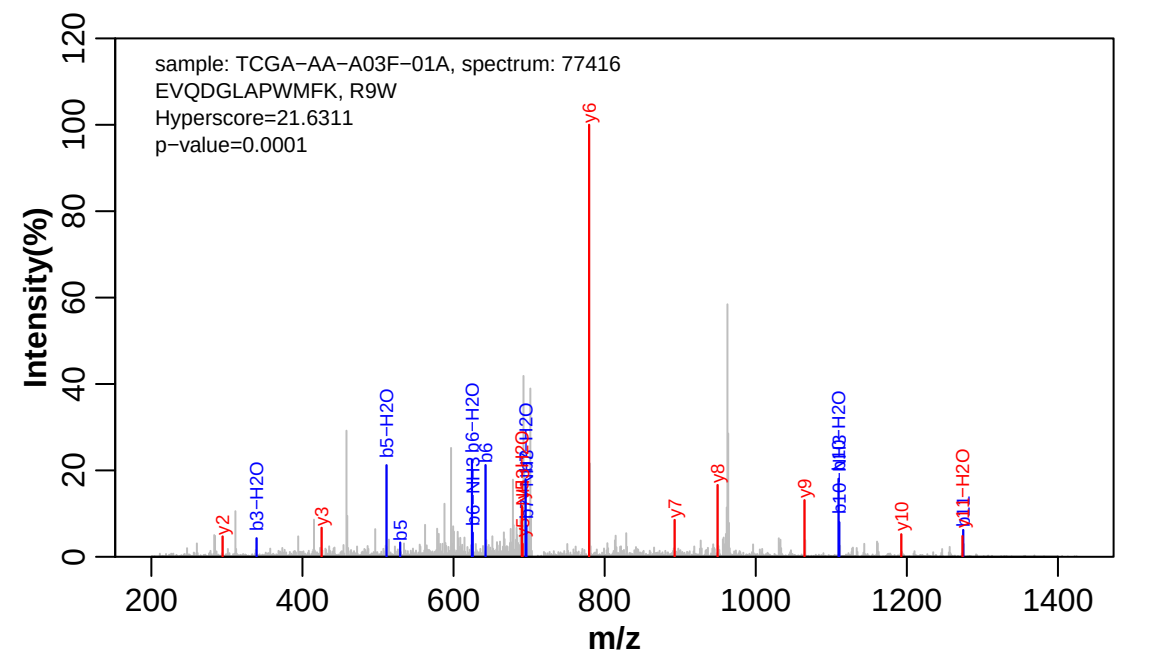

sample: TCGA−AA−A03F−01A, spectrum: 38836
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=112.4882
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b21+++−H2O
b7++−NH3
b8++
y3++−H2O
y4−H2O
y10++−H2O
b11++−H2O
y5
b12++
b20++−NH3
b20++−H2O
b27+++−NH3
y11+−H2O
y22++−NH3

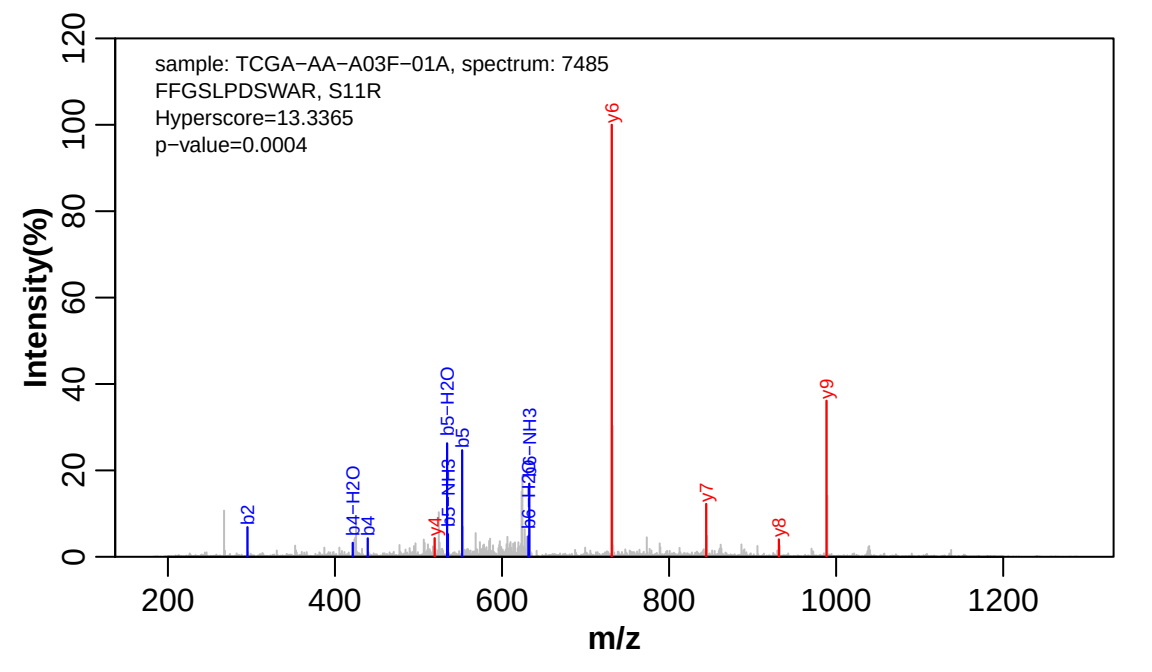

sample: TCGA−AA−A03F−01A, spectrum: 841
EASQGSSASSAPQSVK, H13Q
Hyperscore=36.3133
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b4
b5
b6−H2O
y5
b6
y6−H2O
b7−NH3
b7
y8
y9−NH3
b10
y11
y12
y13
b15

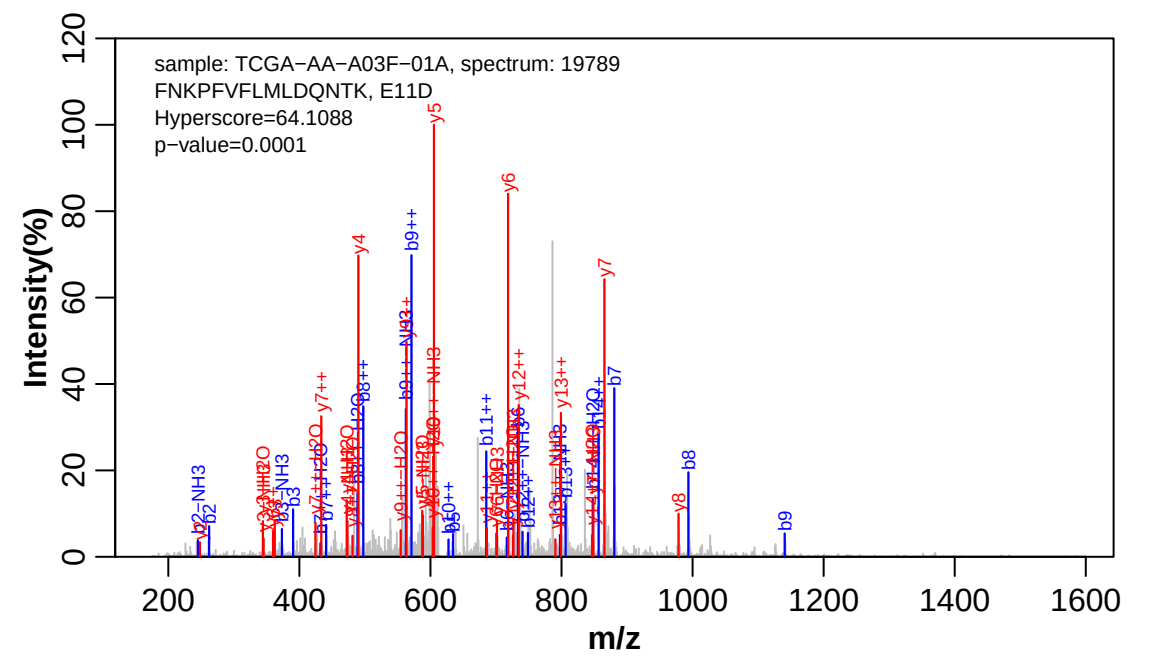

sample: TCGA−AA−A03F−01A, spectrum: 73729
ELVDDSLNNVR, V7I
Hyperscore=36.6463
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7−NH3
y7
y8
y9
b9
b10
y8−H2O
y8−NH3
b9−H2O
b9−NH3
b10−H2O
b10−NH3

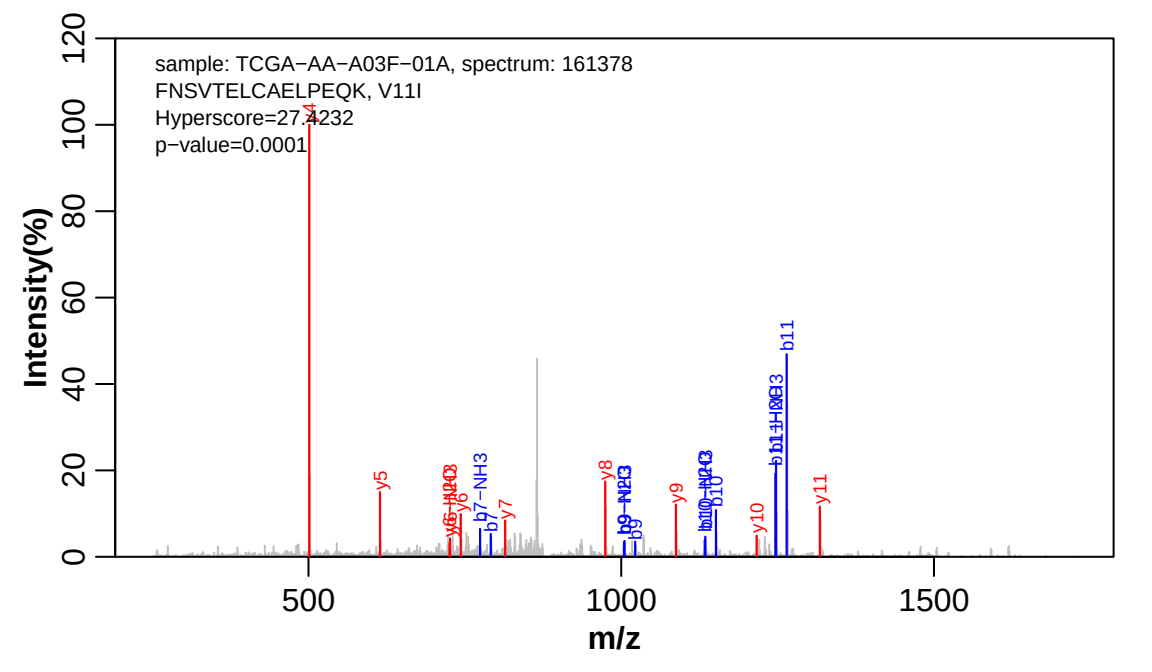

sample: TCGA−AA−A03F−01A, spectrum: 15130
EMNLGSKSGGR, E5G
Hyperscore=20.7085
p−value=0.0003
Intensity(%)
m/z
y1
b2−NH3
b2
y4
y5
b5−NH3
b5
b6
b6−H2O
b7
y8
y9
y9−NH3
b10

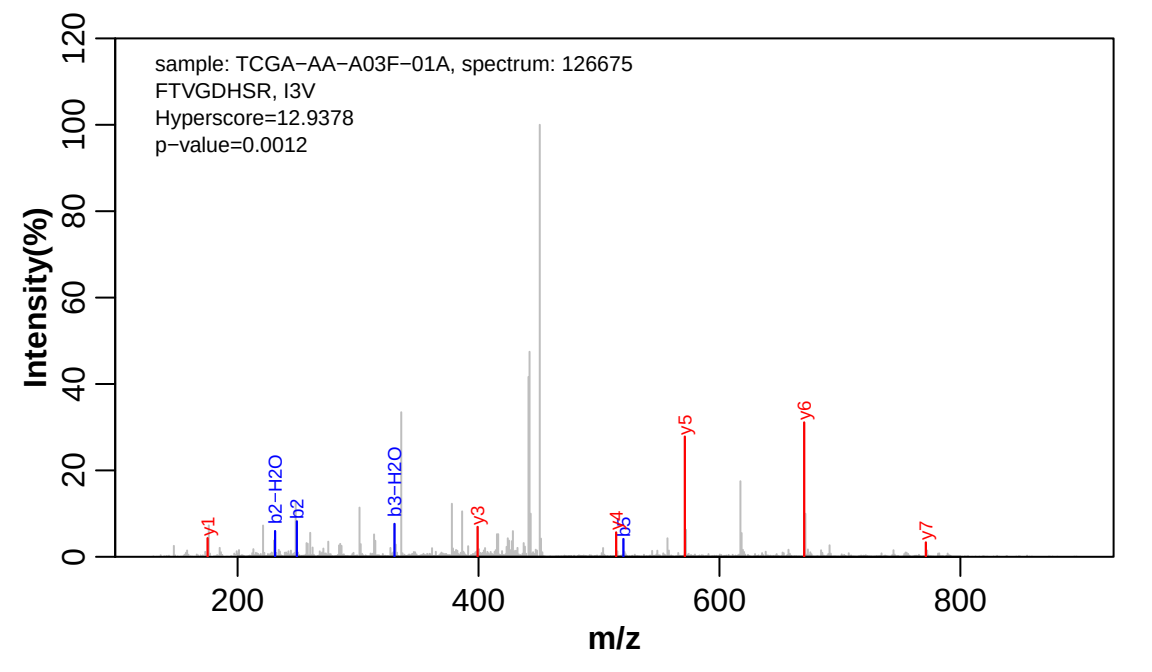

sample: TCGA−AA−A03F−01A, spectrum: 151080
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=44.0154
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3++−NH3
b10+++
b4−H2O
y15+++
y11++−NH3
y11++
y18+++
y19+++
y20+++−H2O
y20+++
y22+++
b12++−NH3
b8−NH3
y18++
b8++
y8−H2O
y8

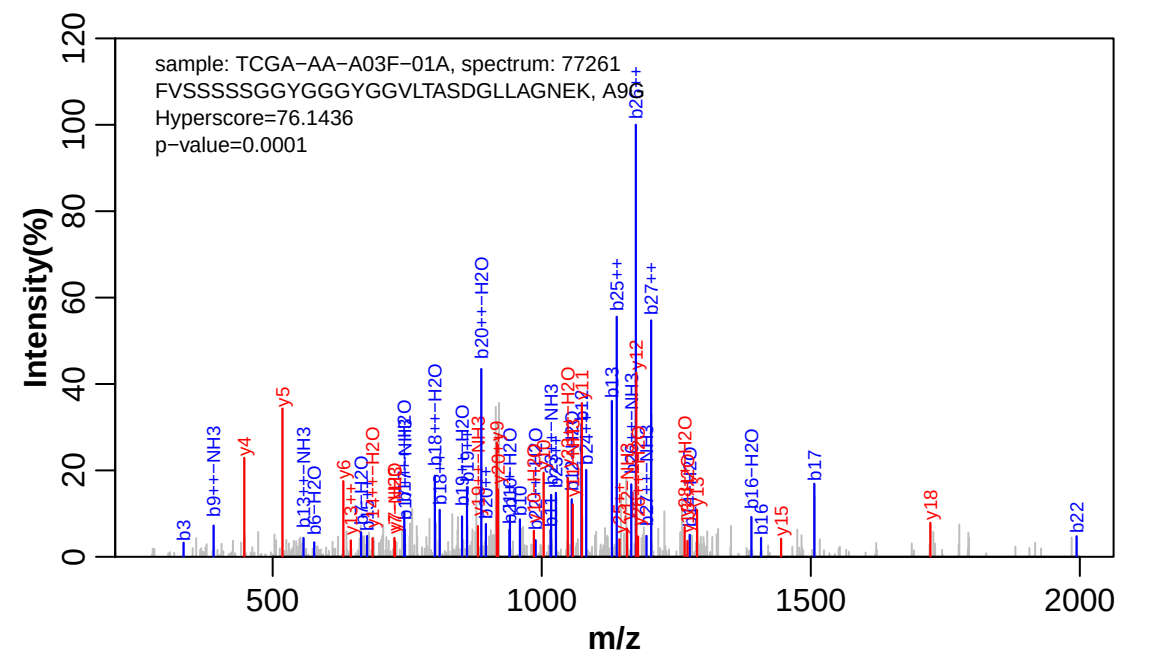

sample: TCGA−AA−A03F−01A, spectrum: 77416
EVQDGLAPWMFK, R9W
Hyperscore=21.6311
p−value=0.0001
Intensity(%)
m/z
y6
y2
b3−H2O
y3
b5−H2O
b5
b6−NH3
b6−H2O
b6
y7
y8
y9
y10
b11−H2O

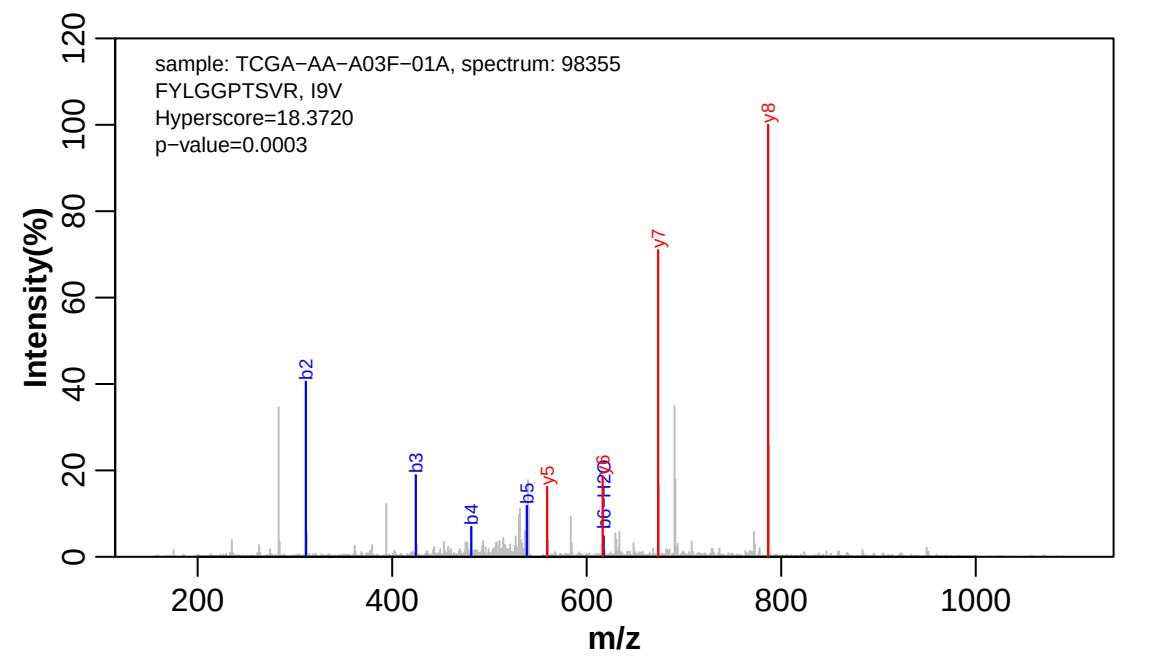

sample: TCGA−AA−A03F−01A, spectrum: 7485
FFGSLPDSWAR, S11R
Hyperscore=13.3365
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
y4
b5−NH3
b5
b5−H2O
b6−NH3
y6
y7
y8
y9

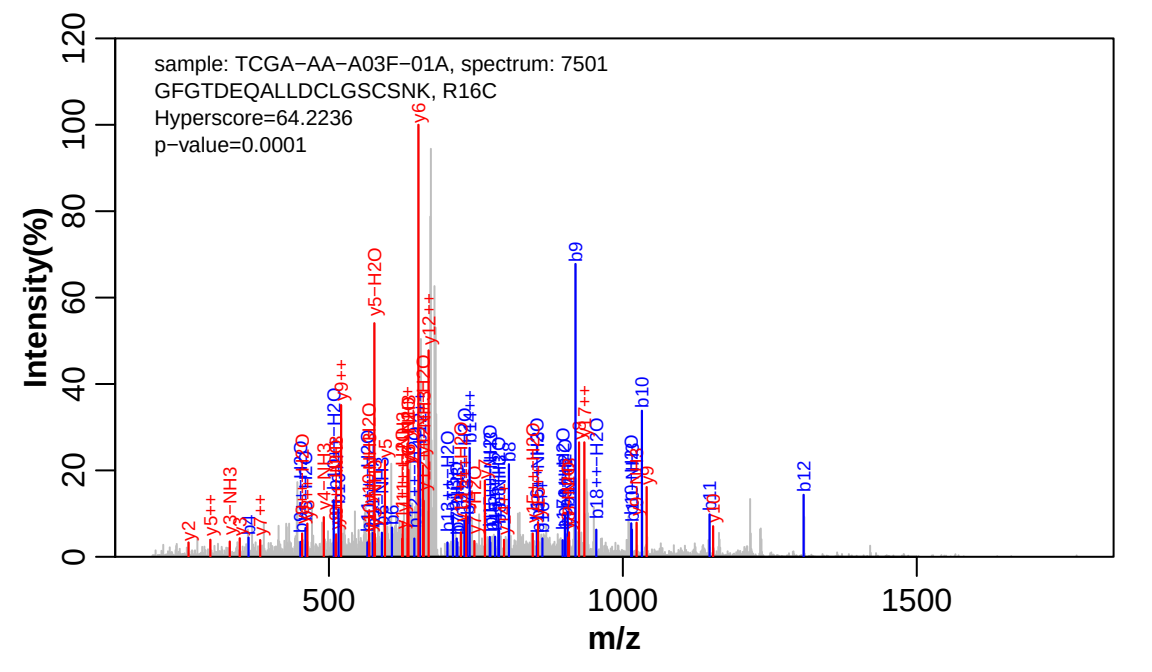

sample: TCGA−AA−A03F−01A, spectrum: 19789
FNKPFVFLMLDQNTK, E11D
Hyperscore=64.1088
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y4
y7
b9++
b8++
b7
b8
b9
y8
y12++
y13++
b11++
b2-NH3
b2
b3
b3-NH3
y7++
y9++-H2O
y9++-NH3
y9++
b9++-NH3
b9++
y9++-NH3
y9++-H2O
y13++-NH3
y13++
b10++
b10
y12++-NH3
y12++
b11++
b7++-H2O
b7++
y7++-H2O
y7++
y4-H2O
y4
b8++
b8++-H2O
b8++
y5-NH3
y5
y6-NH3
y6
y7-H2O
y7
b7-H2O
b7
b8-H2O
b8
y8-H2O
y8
b9-H2O
b9

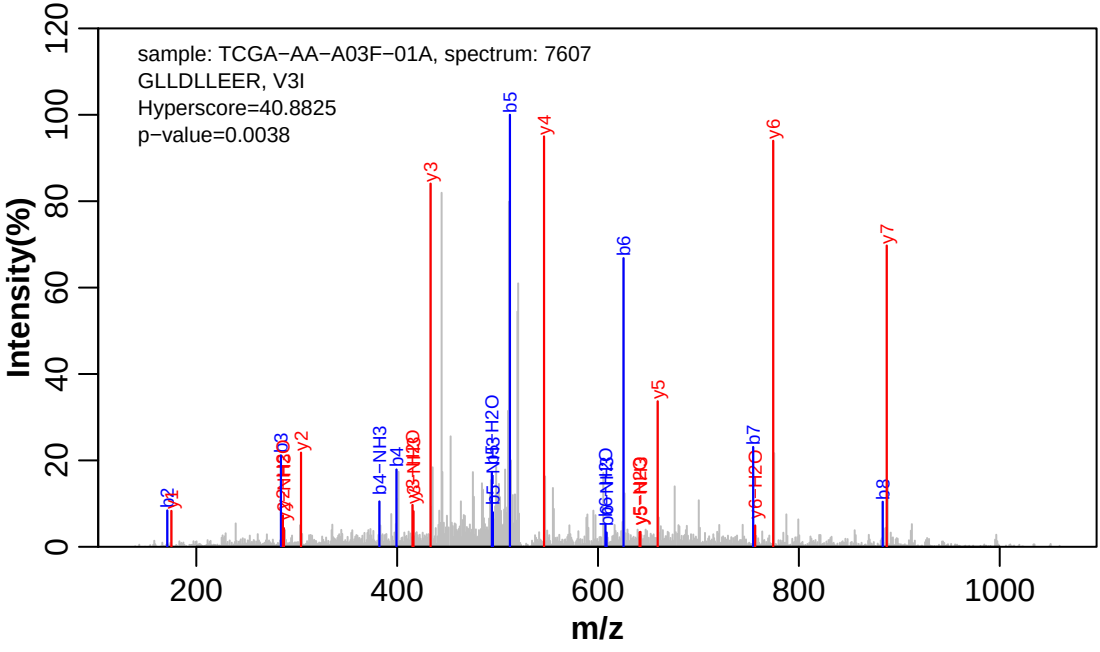

sample: TCGA−AA−A03F−01A, spectrum: 161378
FNSVTELCAELPEQK, V11I
Hyperscore=27.4232
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
b7−NH3
y8
y9
b10
y10
b11
y11

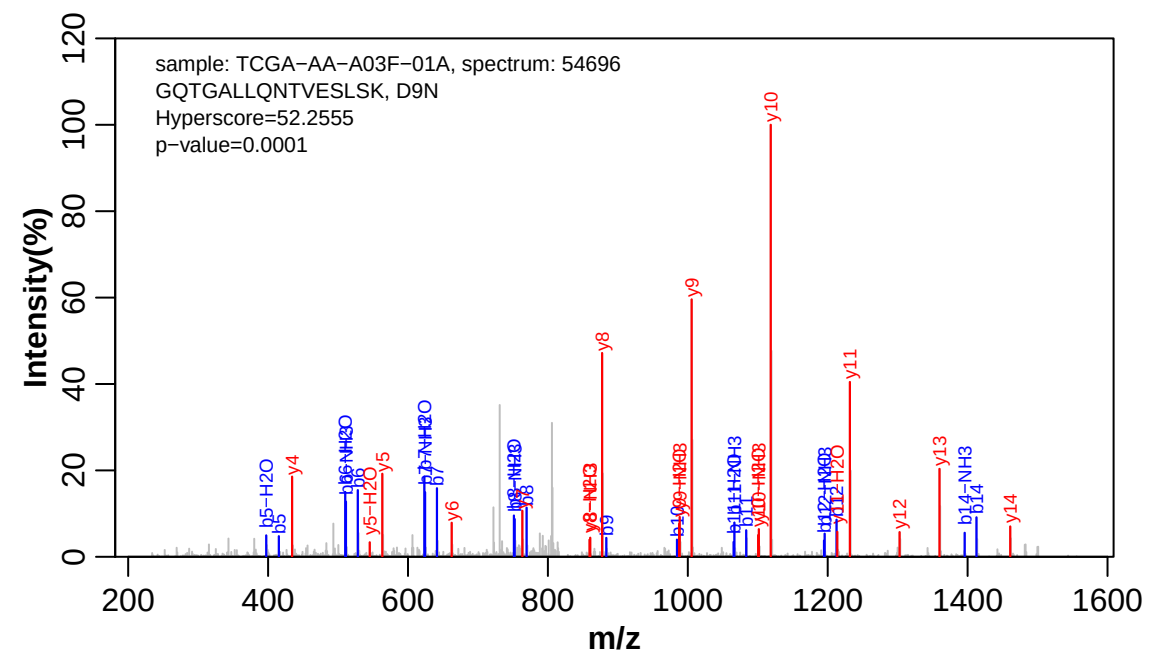

sample: TCGA−AA−A03F−01A, spectrum: 126675
FTVGDHSR, I3V
Hyperscore=12.9378
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
b3−H2O
y3
y4
b5
y5
y6
y7

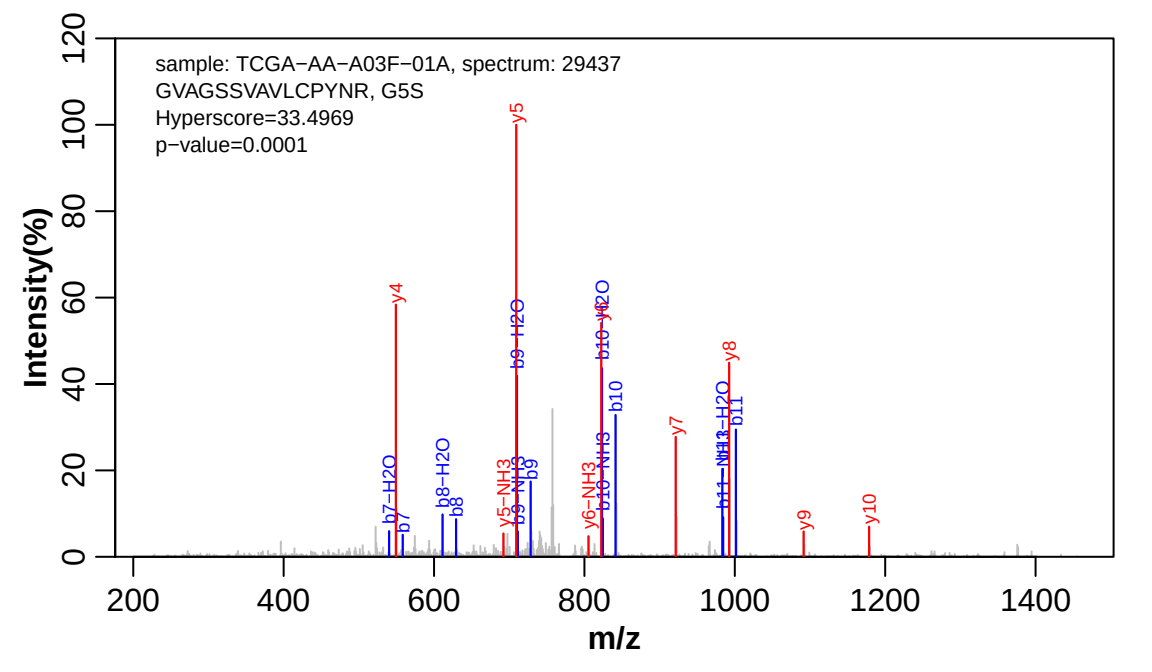

sample: TCGA−AA−A03F−01A, spectrum: 77261
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=76.1436
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
b9++−NH3
y4
y5
b13++−NH3
b6−H2O
y6
b14++−H2O
b18++−H2O
b18++−NH3
b19++−H2O
b20++−NH3
b20++−H2O
b20++
b20−H2O
b20−NH3
b20++−H2O
b13
b25++
b27++
y12
b16−H2O
b16
y15
b17
y18
b22

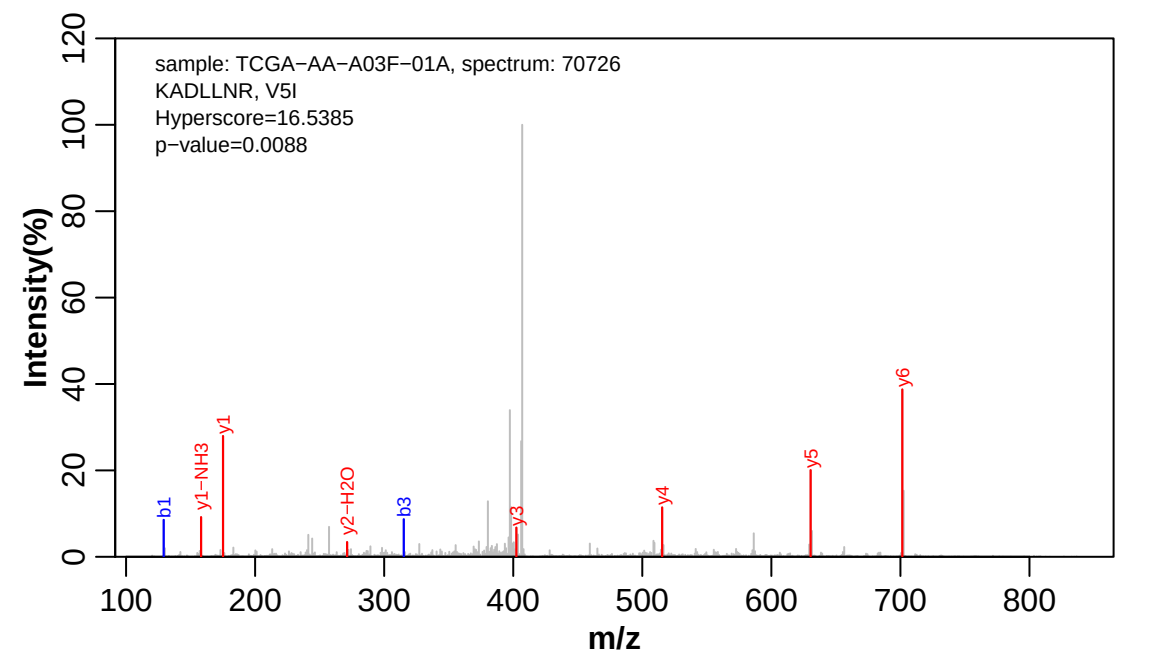

sample: TCGA−AA−A03F−01A, spectrum: 98355
FYLGGPTSVR, I9V
Hyperscore=18.3720
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

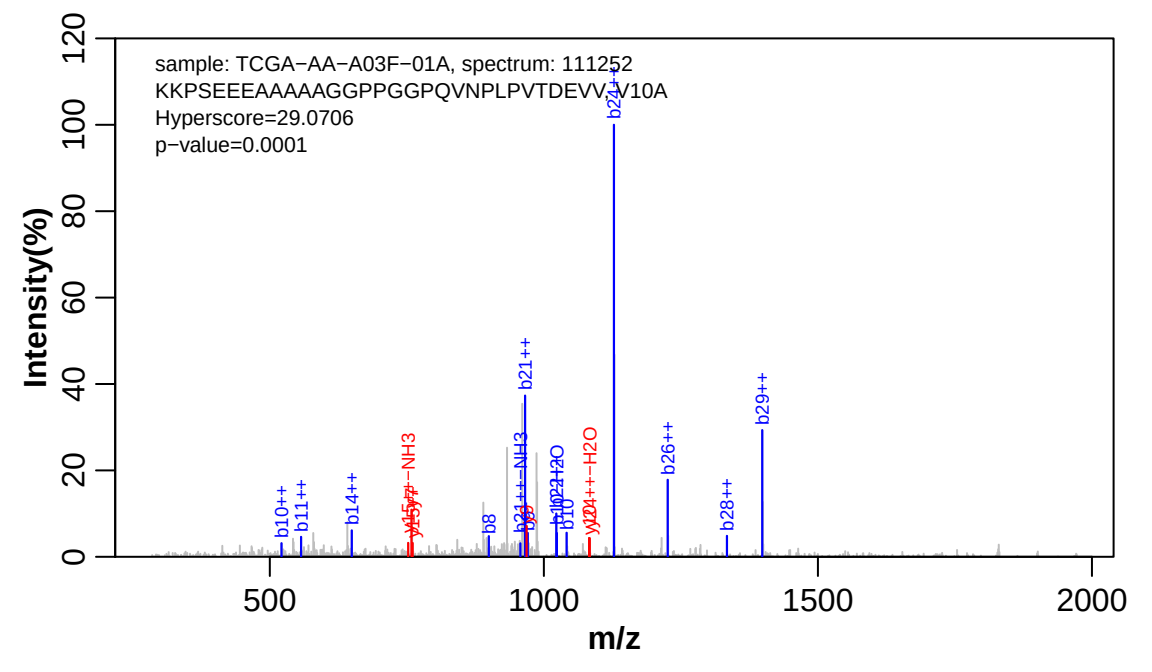

sample: TCGA−AA−A03F−01A, spectrum: 7501
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=64.2236
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
y12++
b9
b10
b12
y11
y2
y5++
y3−NH3
y7++
b18++−H2O

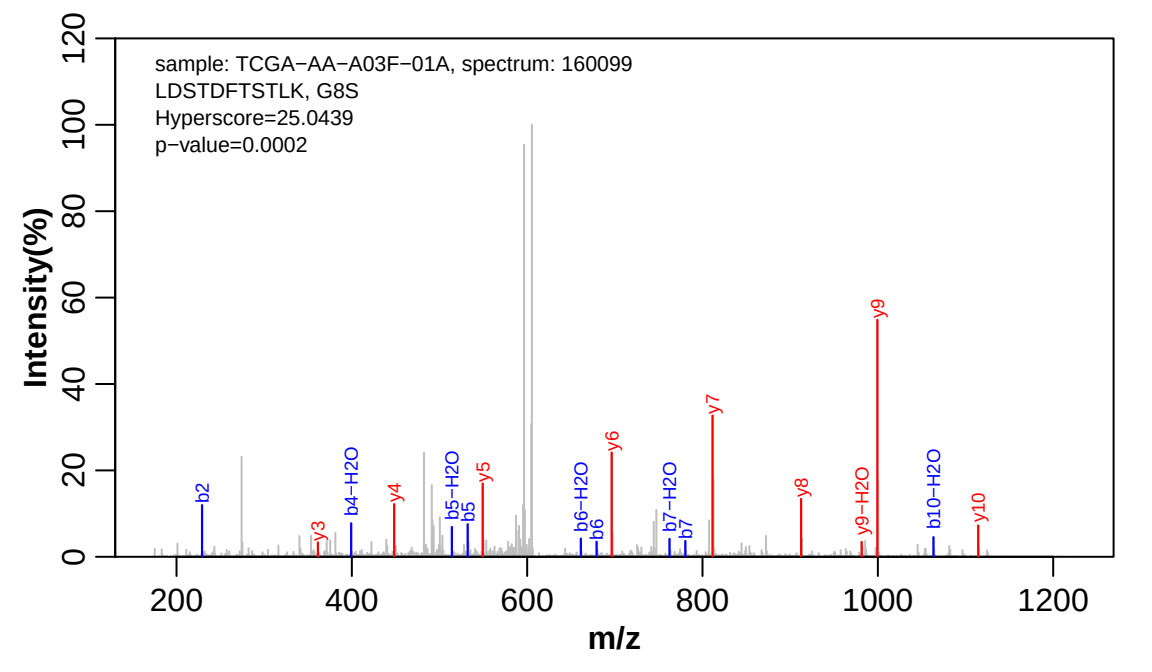

sample: TCGA−AA−A03F−01A, spectrum: 7607
GLLDLLEER, V3I
Hyperscore=40.8825
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b5
y4
y3
y6
y7
b6
y5
b7
b8
y2
b4−NH3
b4
b5−H2O
y6−H2O
y5−NH3

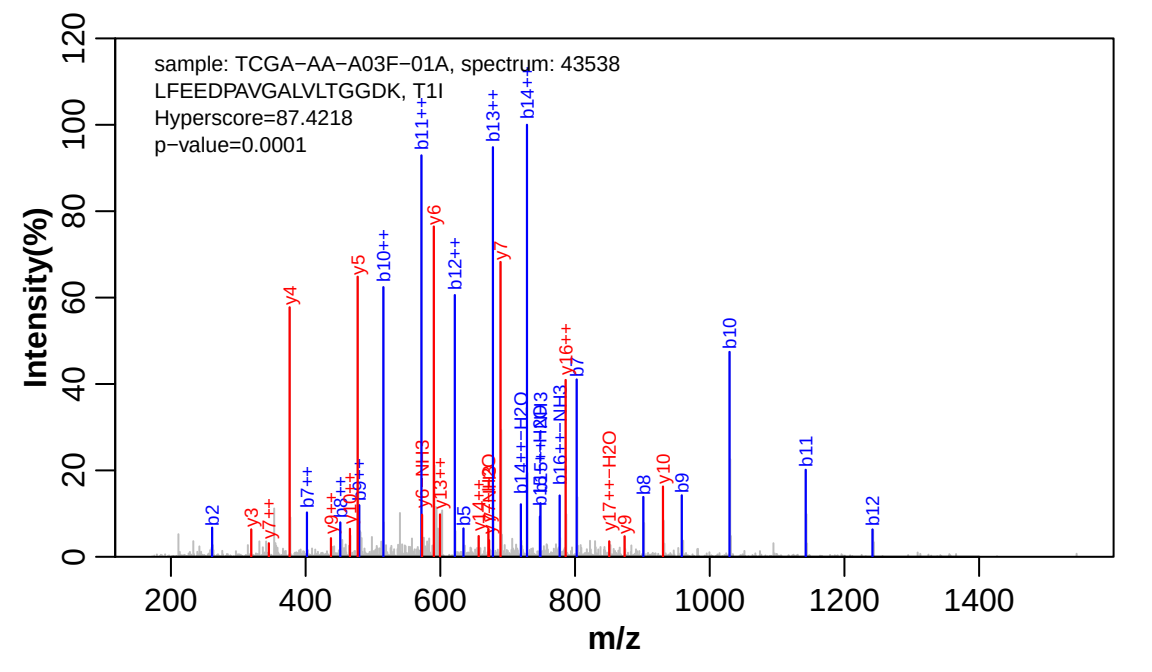

sample: TCGA−AA−A03F−01A, spectrum: 54696
GQTGALLQNTVESLSK, D9N
Hyperscore=52.2555
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y12
y14
y6
y5
y4
b5−H2O
b5
b14−NH3

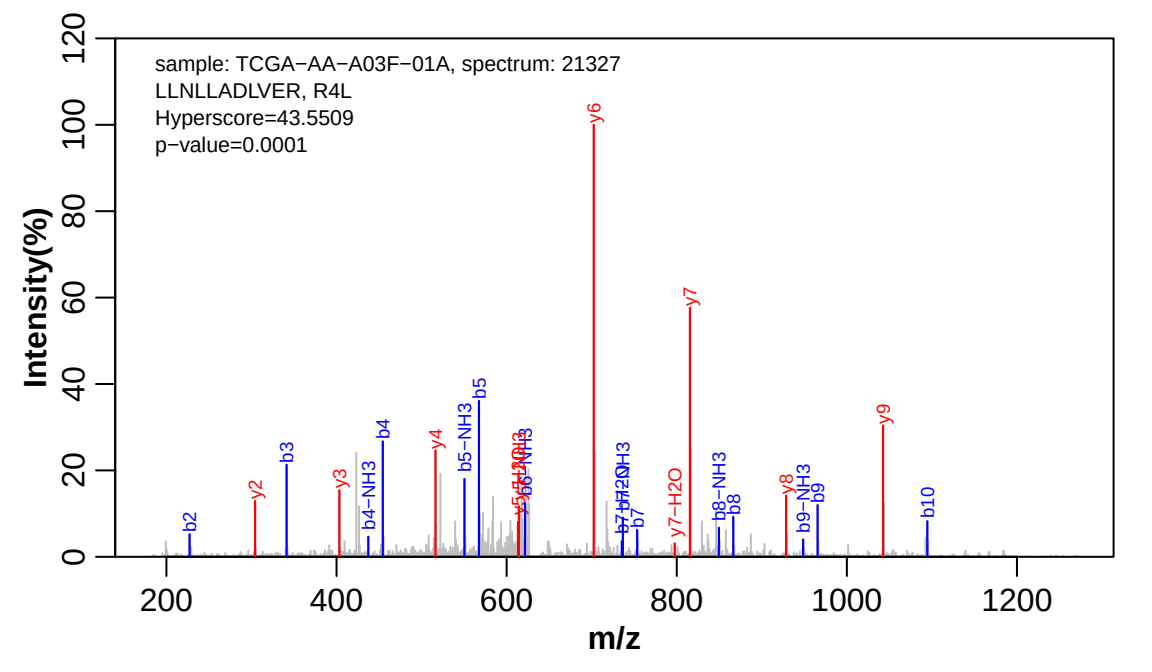

sample: TCGA−AA−A03F−01A, spectrum: 29437
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.4969
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
y8
b10
y7
b11
b11−NH3
b11−H2O
y9
y10
b7−H2O
b7
b8−H2O
b8
y5−NH3
b9−NH3
b9
y6−NH3
b10−NH3

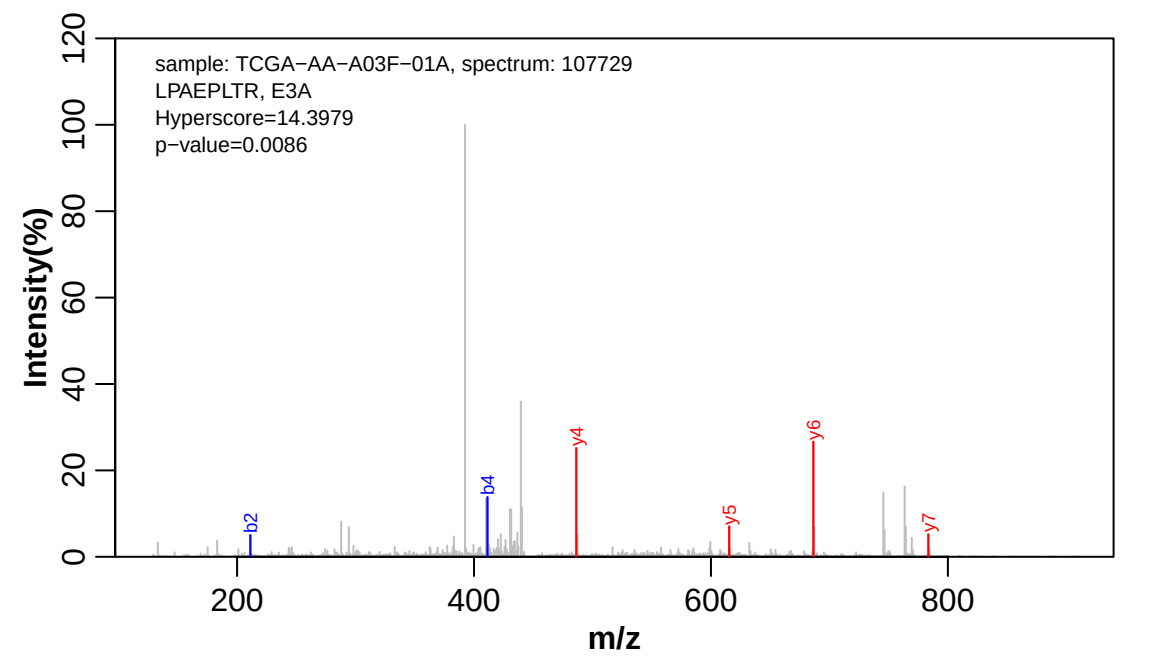

sample: TCGA−AA−A03F−01A, spectrum: 70726
KADLLNR, V5I
Hyperscore=16.5385
p−value=0.0088
Intensity(%)
m/z
b1
y1−NH3
y1
y2−H2O
b3
y3
y4
y5
y6

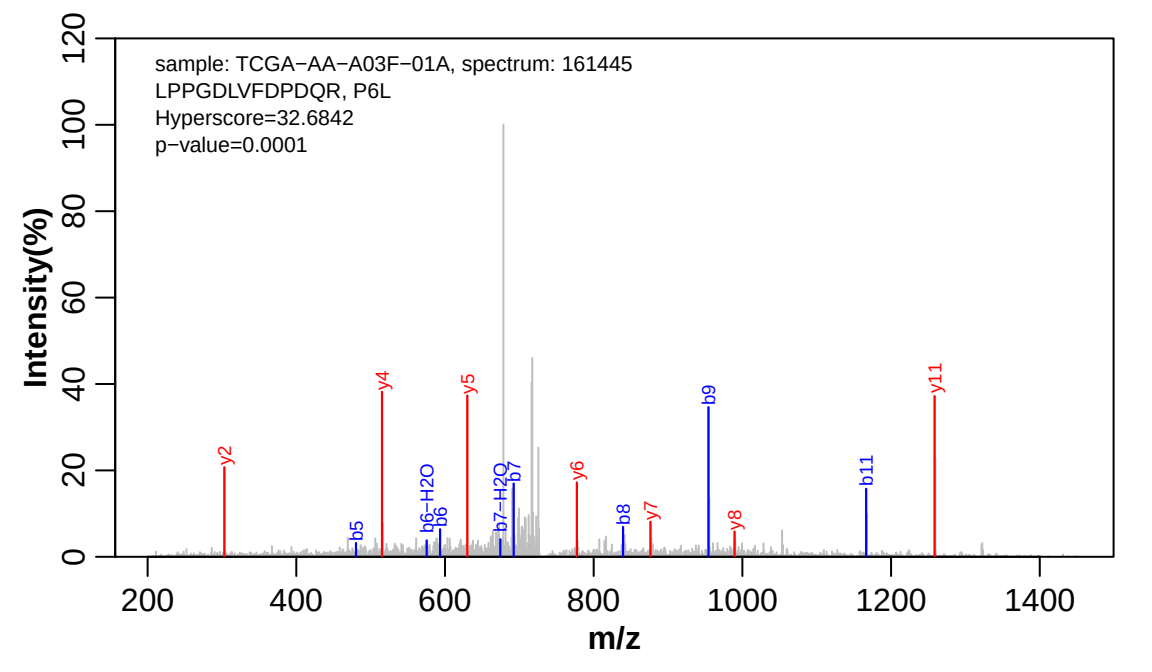

sample: TCGA−AA−A03F−01A, spectrum: 111252
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=29.0706
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b10++
b11++
b14++
b8
b21++
b21++−NH3
b10
b21++−H2O
y20++−H2O
b26++
b28++
b29++

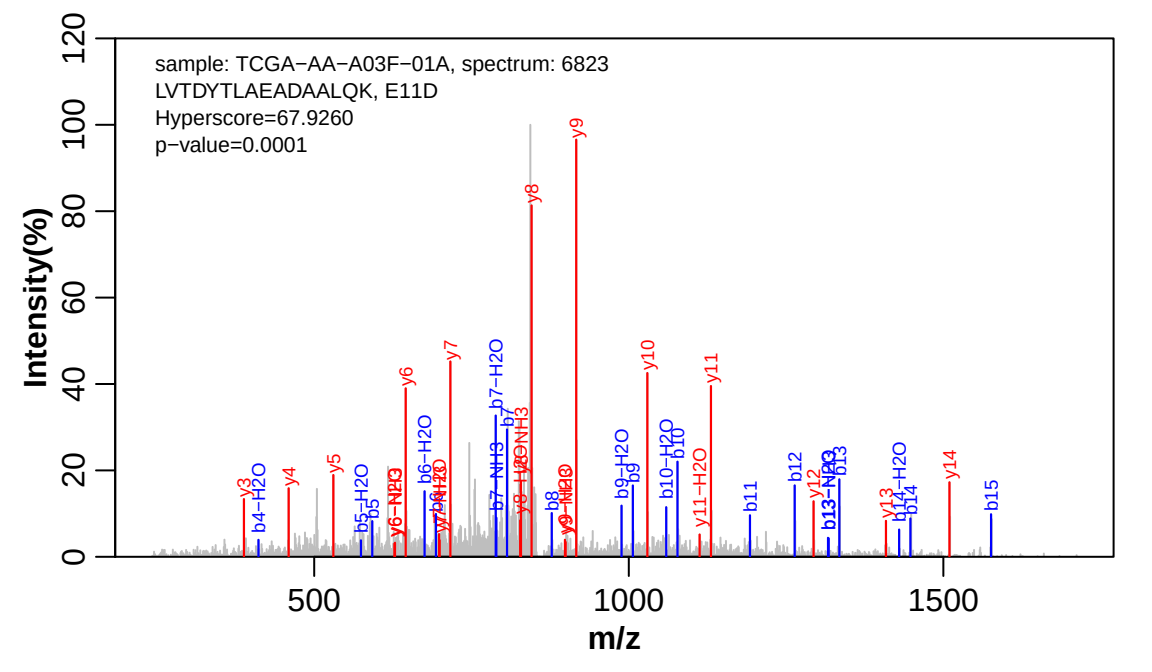

sample: TCGA−AA−A03F−01A, spectrum: 160099
LDSTDFTSTLK, G8S
Hyperscore=25.0439
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9−H2O
y9
b10−H2O
y10

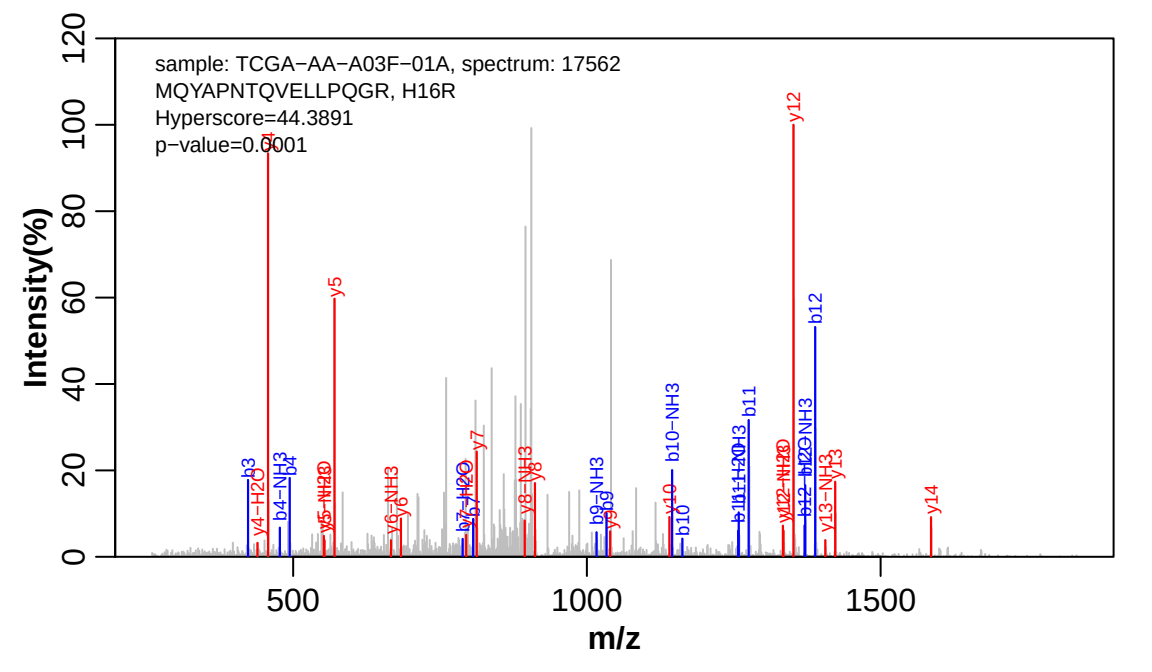

sample: TCGA−AA−A03F−01A, spectrum: 43538
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=87.4218
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y7++
y4
b7++
y5
b10++
b11++
y6
y6−NH3
b12++
y13++
b13++
y7
b14++
b14++−H2O
y16++
b7
b10
b11
b12
y17++−H2O
y9
b8
y10
b9

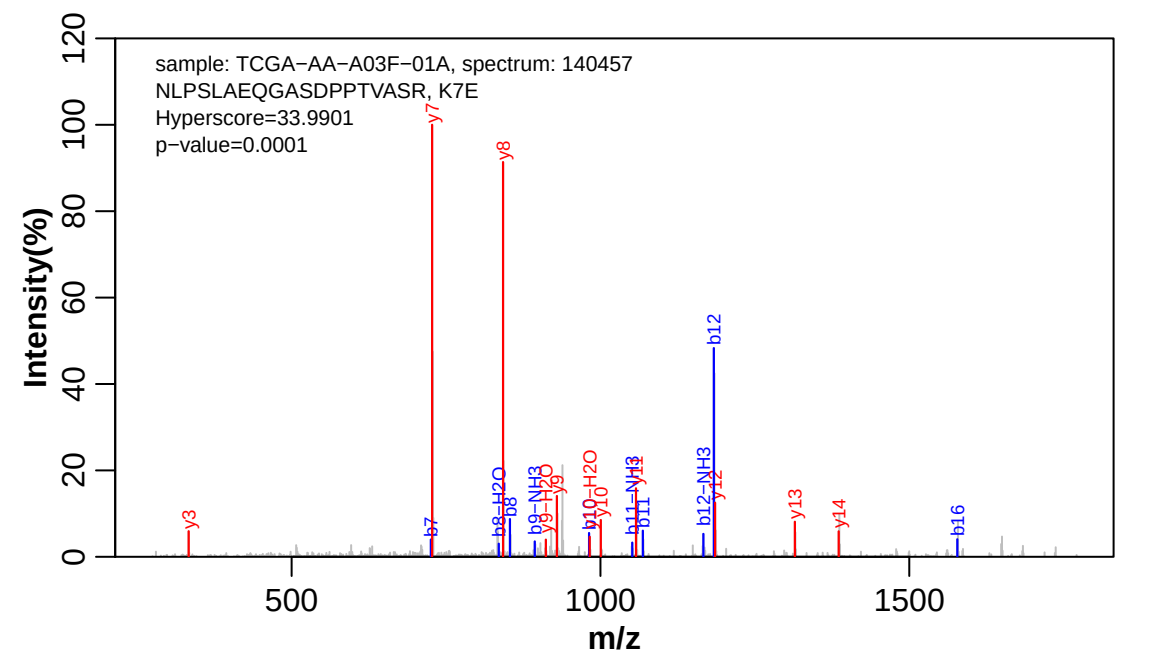

sample: TCGA−AA−A03F−01A, spectrum: 21327
LLNLLADLVER, R4L
Hyperscore=43.5509
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y2
y3
y4
y8
b2
b3
b4
b5
b7
b8
b9
b10
b4−NH3
b5−NH3
b8−NH3
b9−NH3
y7−H2O

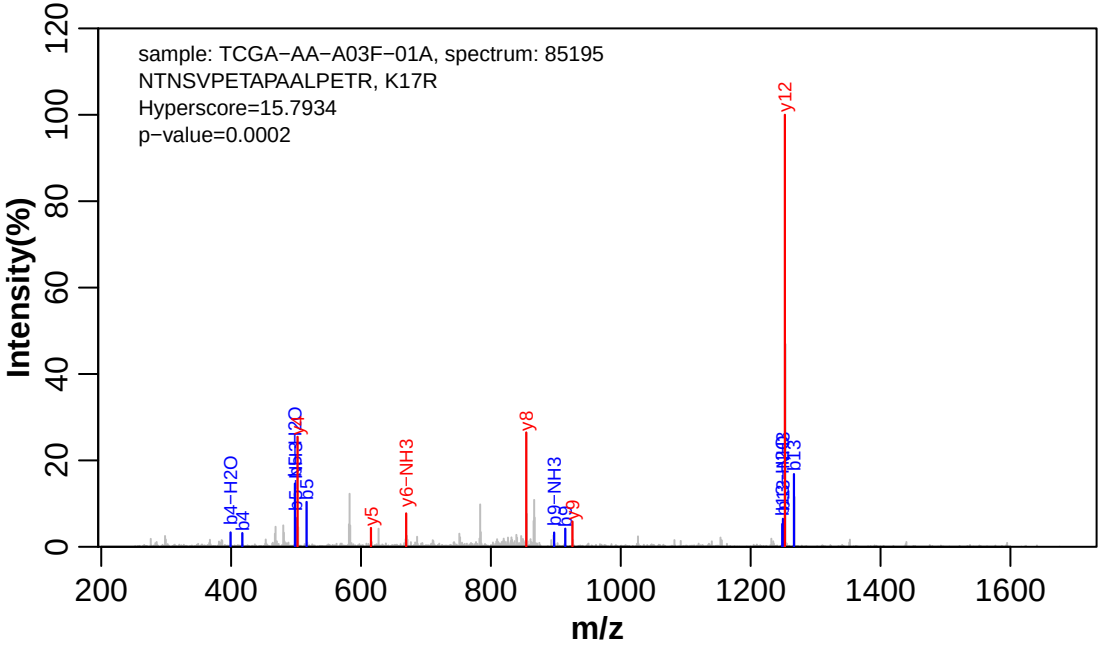

sample: TCGA−AA−A03F−01A, spectrum: 107729
LPAEPLTR, E3A
Hyperscore=14.3979
p−value=0.0086
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b4
y4
y5
y6
y7

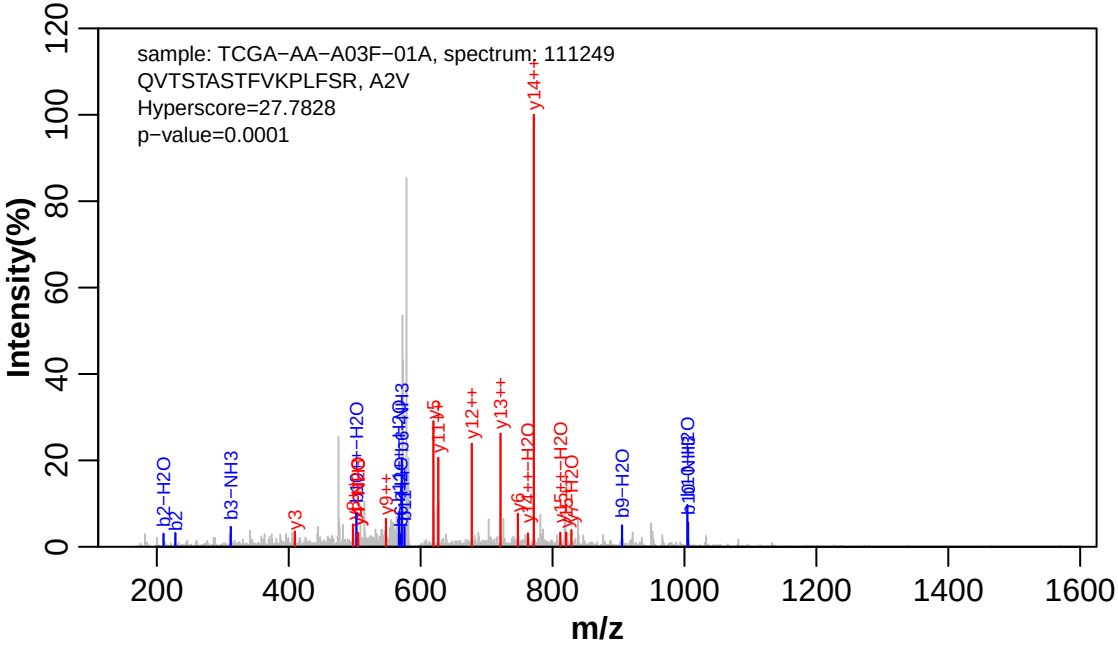

sample: TCGA−AA−A03F−01A, spectrum: 161445
LPPGDLVFDPDQR, P6L
Hyperscore=32.6842
p−value=0.0001
Intensity(%)
m/z
y2
b5
y4
b6−H2O
b6
y5
b7−H2O
b7
y6
b8
y7
b9
y8
b11
y11

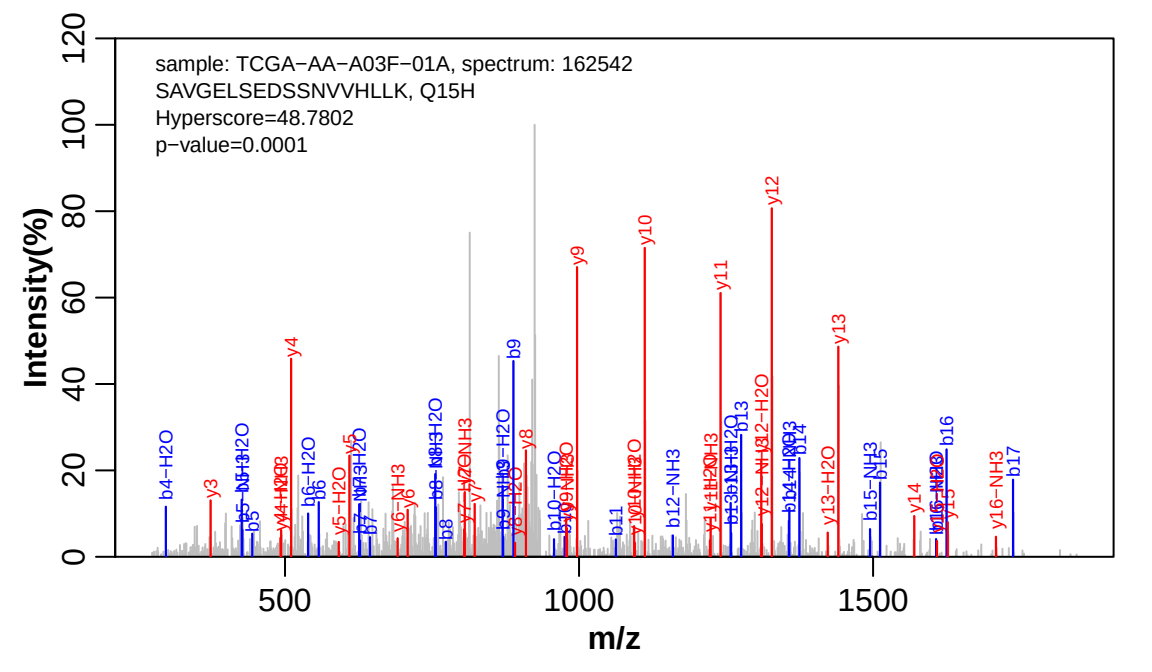

sample: TCGA−AA−A03F−01A, spectrum: 6823
LVTDYTLAEADAALQK, E11D
Hyperscore=67.9260
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y8
y7
y6
y5
y4
y3
y10
y11
y12
y13
y14
b15
b12
b11
b10−H2O
b9−H2O
b7−H2O
b6−H2O
b5−H2O
b4−H2O
b14−H2O
b7−NH3
b13−NH3
y11−H2O

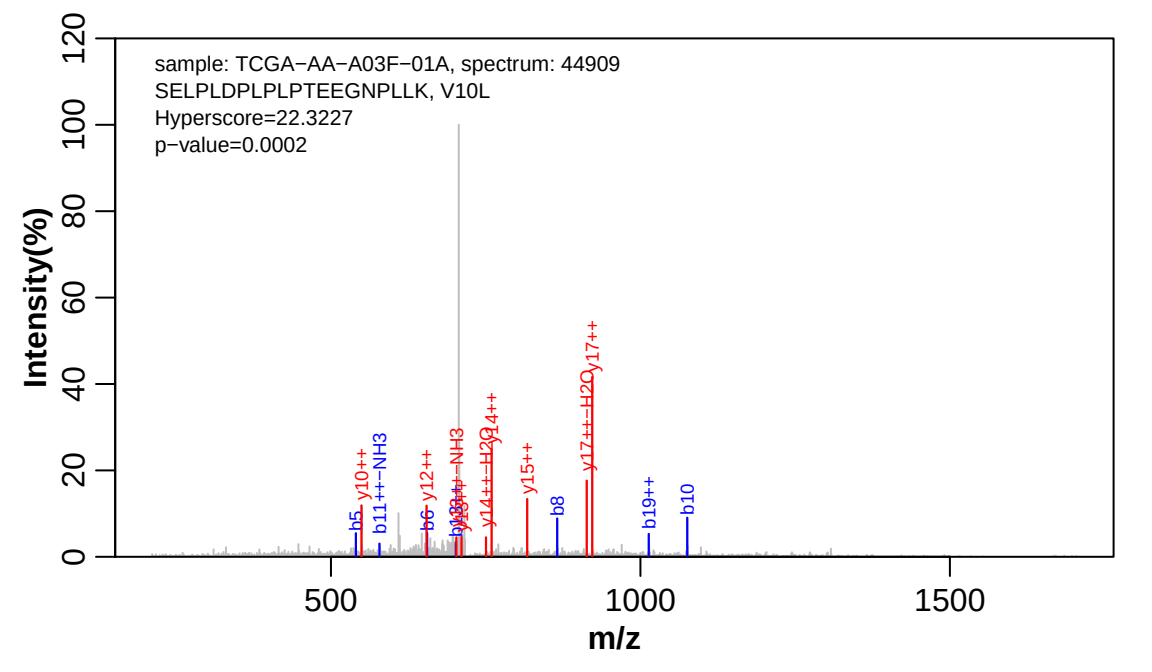

sample: TCGA−AA−A03F−01A, spectrum: 17562
MQYAPNTQVELLPQGR, H16R
Hyperscore=44.3891
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y12
b12
y14
b3
y4−H2O
b4
b4−NH3
y5−NH3
y6
y6−NH3
b7−H2O
y7
y8
y8−NH3
b9−NH3
y9
b10−NH3
y10
b10
b11
b11−H2O
b11−NH3
y12−NH3
b12−H2O
b12−NH3
y13
y13−NH3

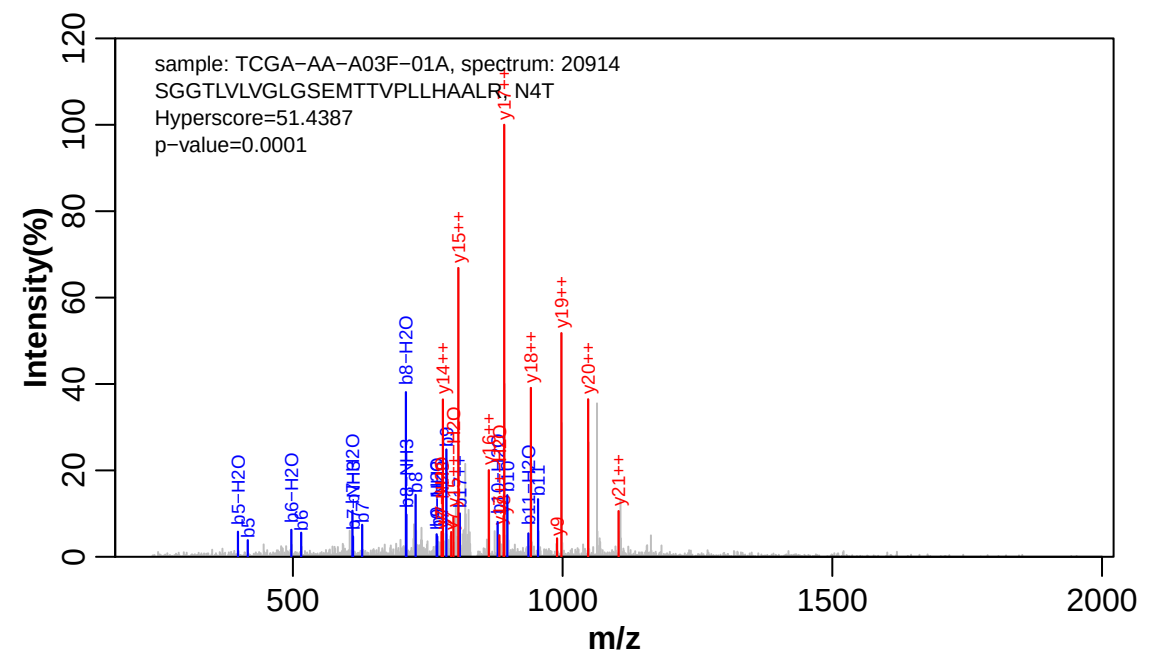

sample: TCGA−AA−A03F−01A, spectrum: 140457
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=33.9901
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y7
y8
b12
y3
b7
b8−H2O
b8
b9−NH3
b9
y9−H2O
y9
b10−H2O
y10
b11−NH3
b11
b12−NH3
y12
y13
y14
b16

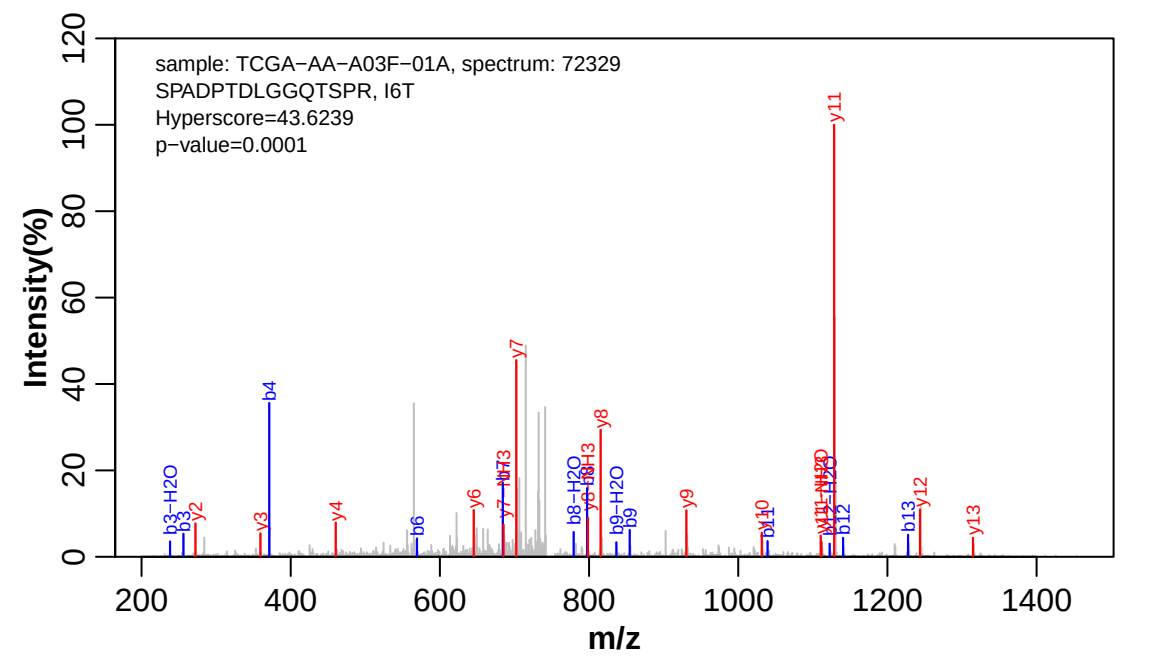

sample: TCGA−AA−A03F−01A, spectrum: 85195
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7934
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4−H2O
b4
b5−NH3
b5−H2O
b5
y5
y6−NH3
y8
b8−NH3
b9
y9
y12
b13−H2O
b13−NH3
b13

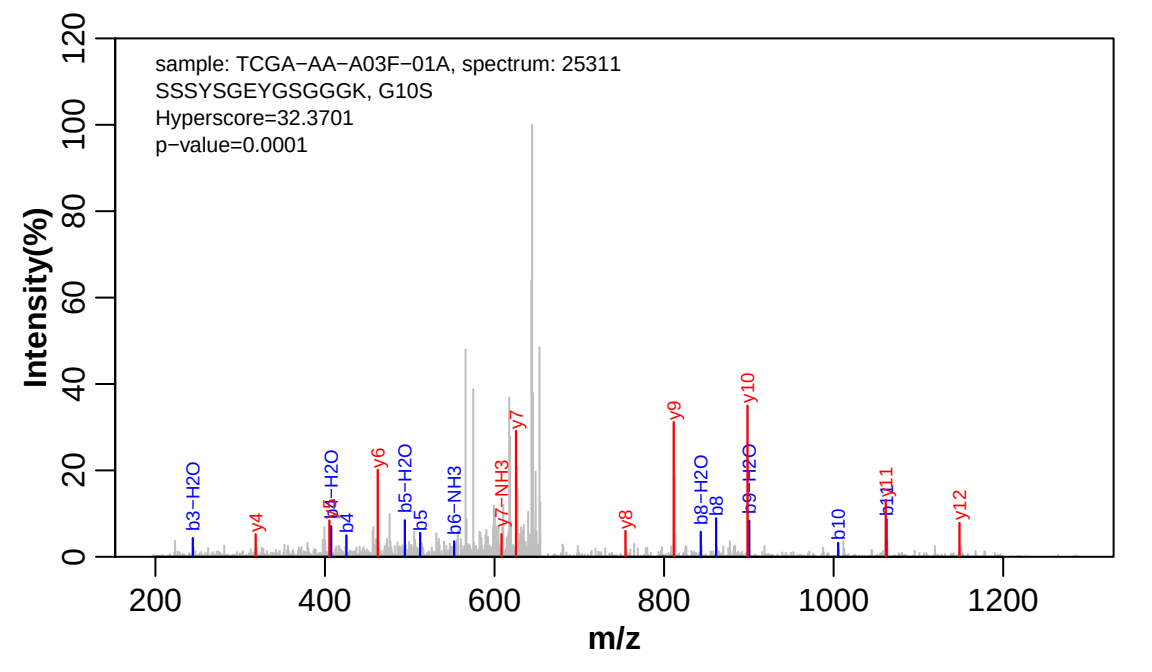

sample: TCGA−AA−A03F−01A, spectrum: 111249
QVTSTASTFVKPLFSR, A2V
Hyperscore=27.7828
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2−H2O
b2
b3−NH3
y3
y9++
y11++
y12++
y13++
y14++
y14++−H2O
b9−H2O

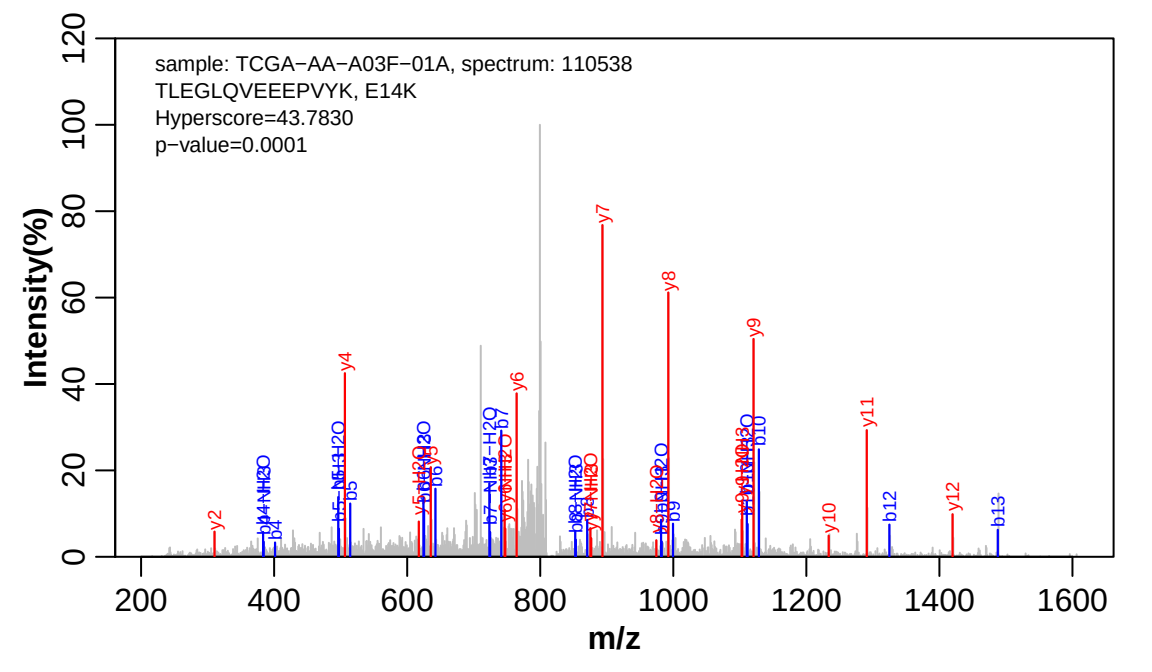

sample: TCGA−AA−A03F−01A, spectrum: 162542
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=48.7802
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y3
b9
y8
y9
y10
y11
y12
y13
b16
b17
y16−NH3
y14
b15−NH3
b12−NH3
b12−H2O
y12−NH3
y12−H2O
y13−H2O
b4−H2O
b6−H2O
y5−H2O
y5−NH3
b10−H2O
b9−NH3−H2O
b8−NH3−H2O
b13
b14

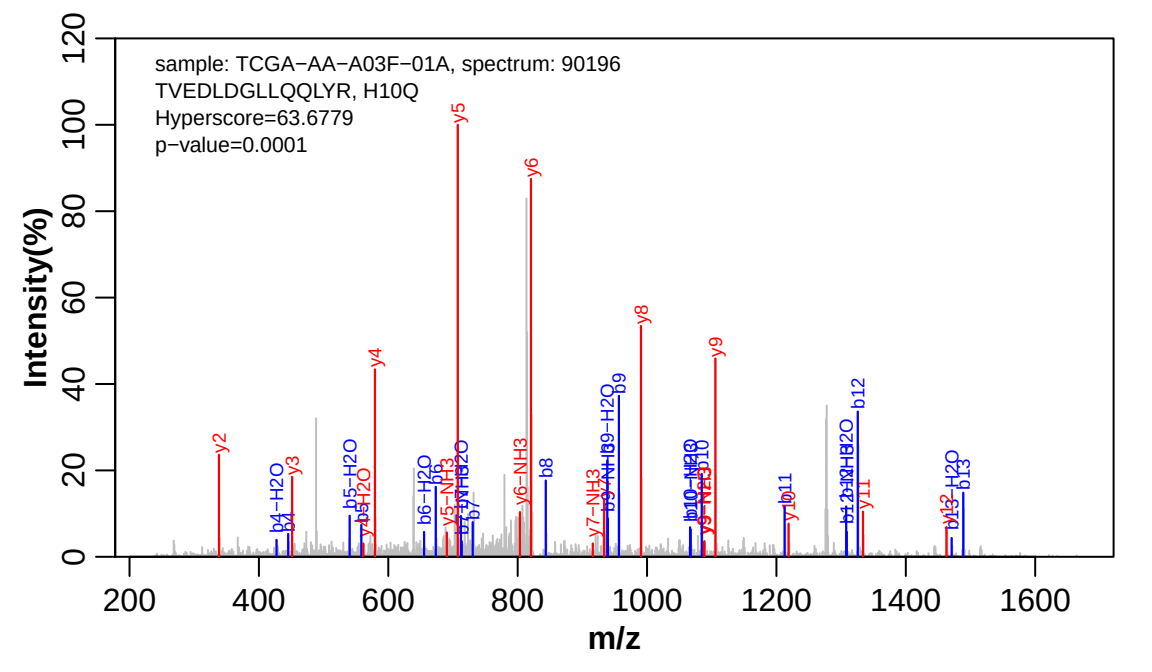

sample: TCGA−AA−A03F−01A, spectrum: 44909
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=22.3227
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
y10++
b11++−NH3
b6
y12++
y13++−NH3
y14+++−H2O
y14++
y15++
b8
y17++−H2O
y17++
b19++
b10

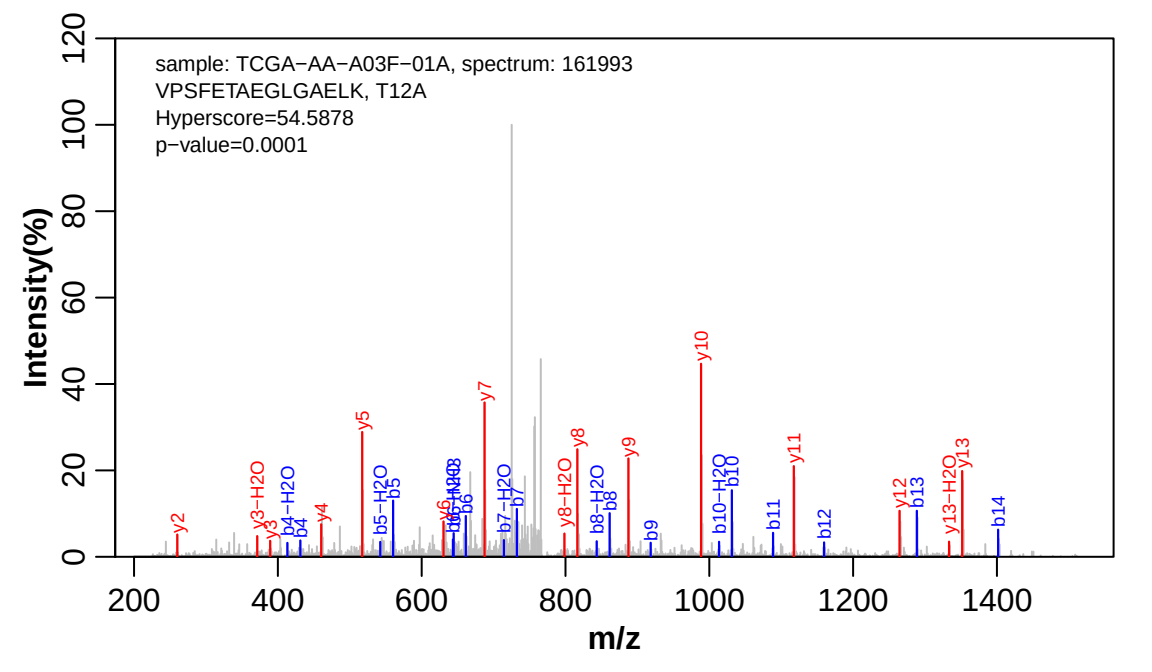

sample: TCGA−AA−A03F−01A, spectrum: 20914
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=51.4387
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y17++
y15++
y19++
y14++
y18++
y20++
y21++
b8−H2O
b5−H2O
b6−H2O
y9

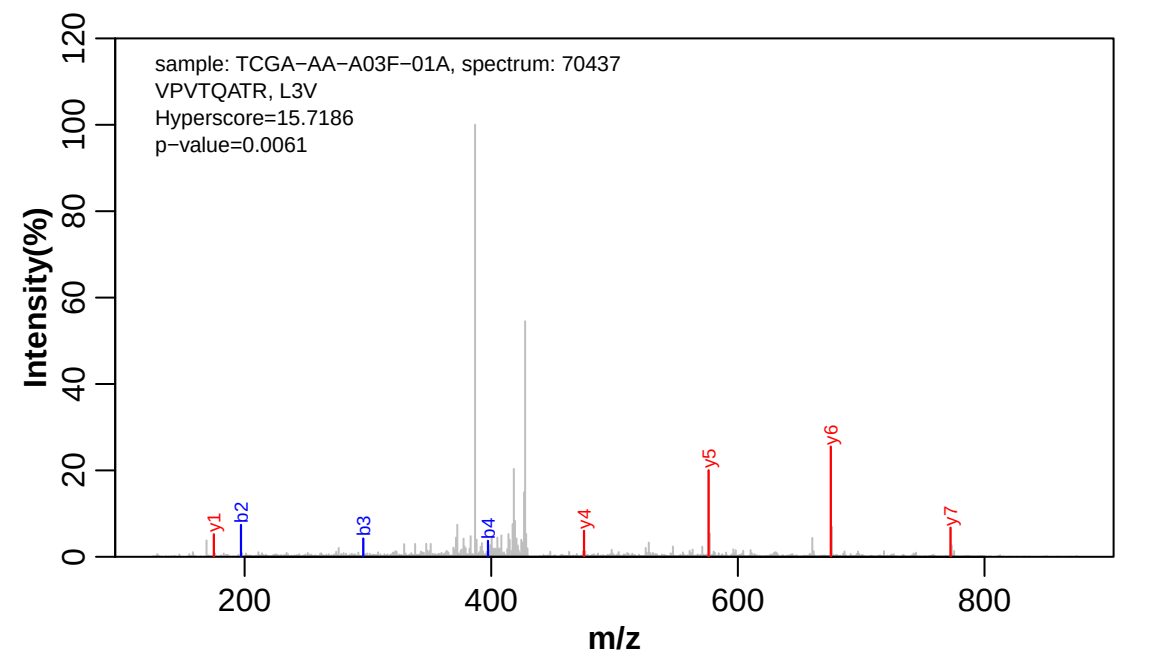

sample: TCGA−AA−A03F−01A, spectrum: 72329
SPADPTDLGGQTSPR, I6T
Hyperscore=43.6239
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
y2
y3
b4
y4
b6
y6
y7−NH3
y7
b8−H2O
y8−NH3
y8
b9−H2O
b9
y9
b10
y10−NH3
y10−H2O
y10
b12
b13
y12
y13
y11

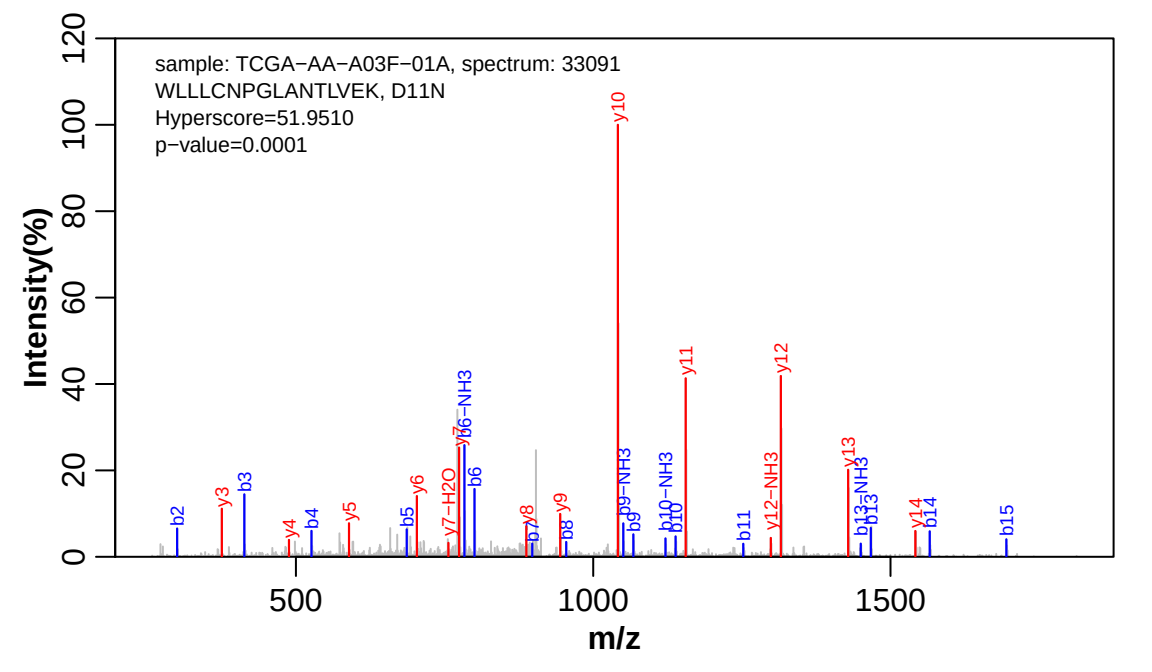

sample: TCGA−AA−A03F−01A, spectrum: 25311
SSSYSGEYGSGGGK, G10S
Hyperscore=32.3701
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
b4−H2O
b4
y6
b5−H2O
b5
b6−NH3
y7−NH3
y7
y8
y9
b8−H2O
b8
y10
b9−H2O
b10
b11
y11
y12

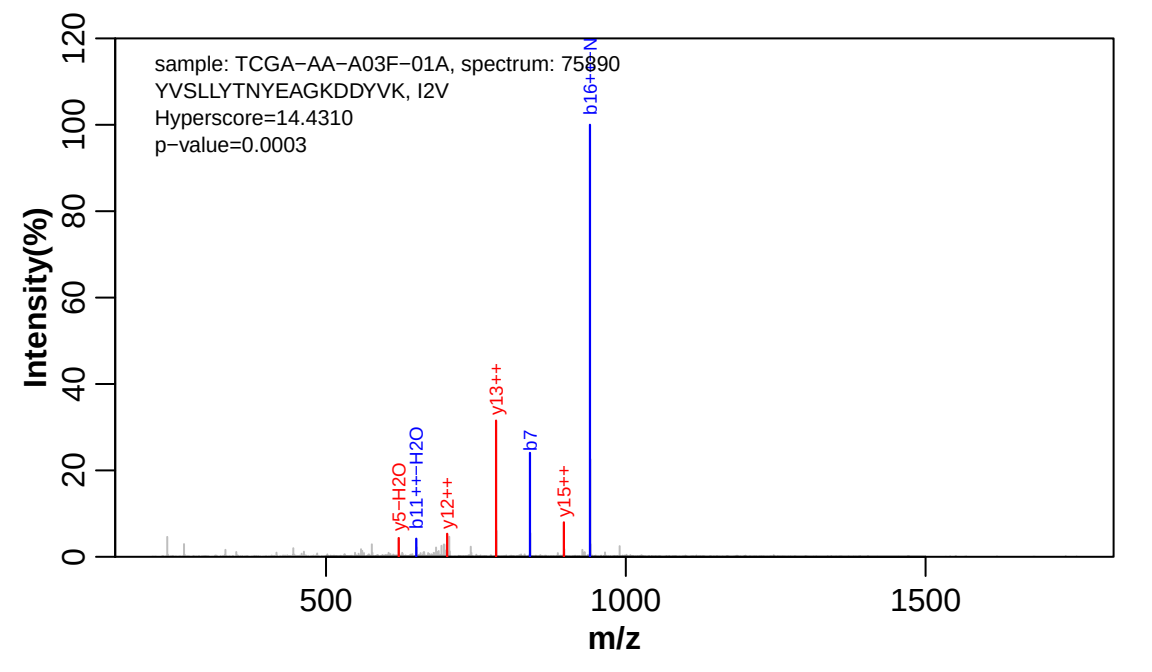

sample: TCGA−AA−A03F−01A, spectrum: 110538
TLEGLQVEEEPVYK, E14K
Hyperscore=43.7830
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y4
y6
y7
y8
y9
y10
y11
y12
b12
b13

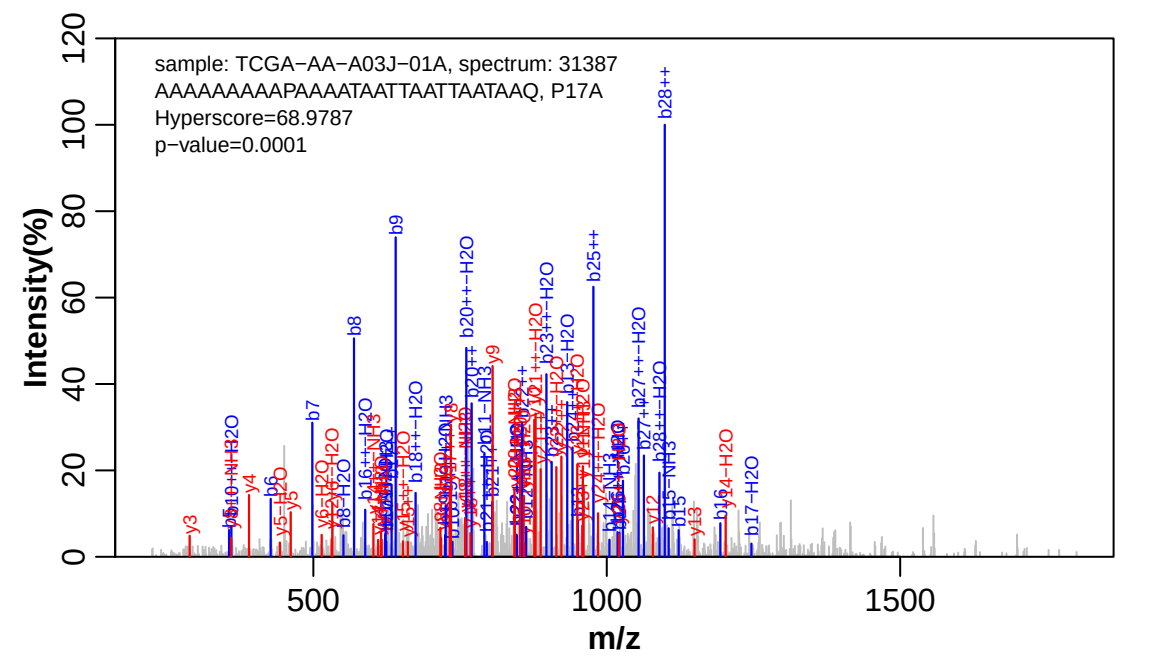

sample: TCGA−AA−A03F−01A, spectrum: 90196
TVEDLDGLLQQLYR, H10Q
Hyperscore=63.6779
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4
y5
y6
y8
y9
y11
b4−H2O
b5−H2O
b6−H2O
b8
b9
b12
y6−NH3
y7−NH3
b9−H2O
b13
b12−H2O
b13−H2O

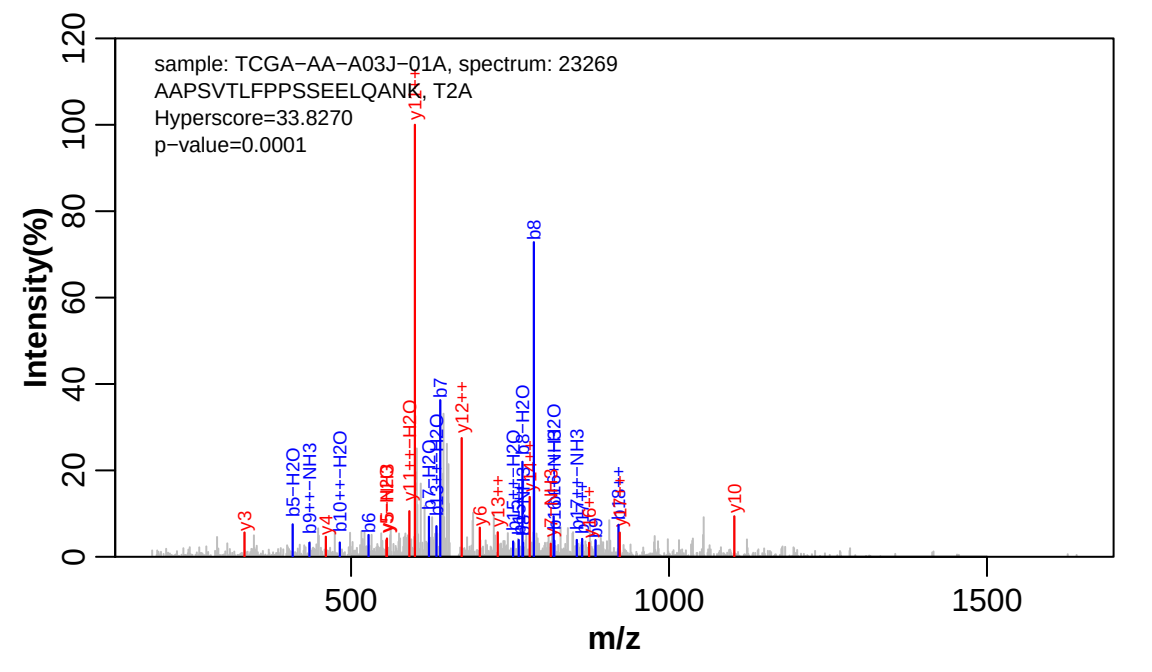

sample: TCGA−AA−A03F−01A, spectrum: 161993
VPSFETAEGLGAELK, T12A
Hyperscore=54.5878
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3−H2O
y3
b4−H2O
b4
y4
y5
b5−H2O
b5
y6
b6
y7
b7−H2O
b7
y8−H2O
y8
b8−H2O
b8
y9
b9
y10
b10−H2O
b10
b11
y11
b12
y12
b13
y13−H2O
y13
b14

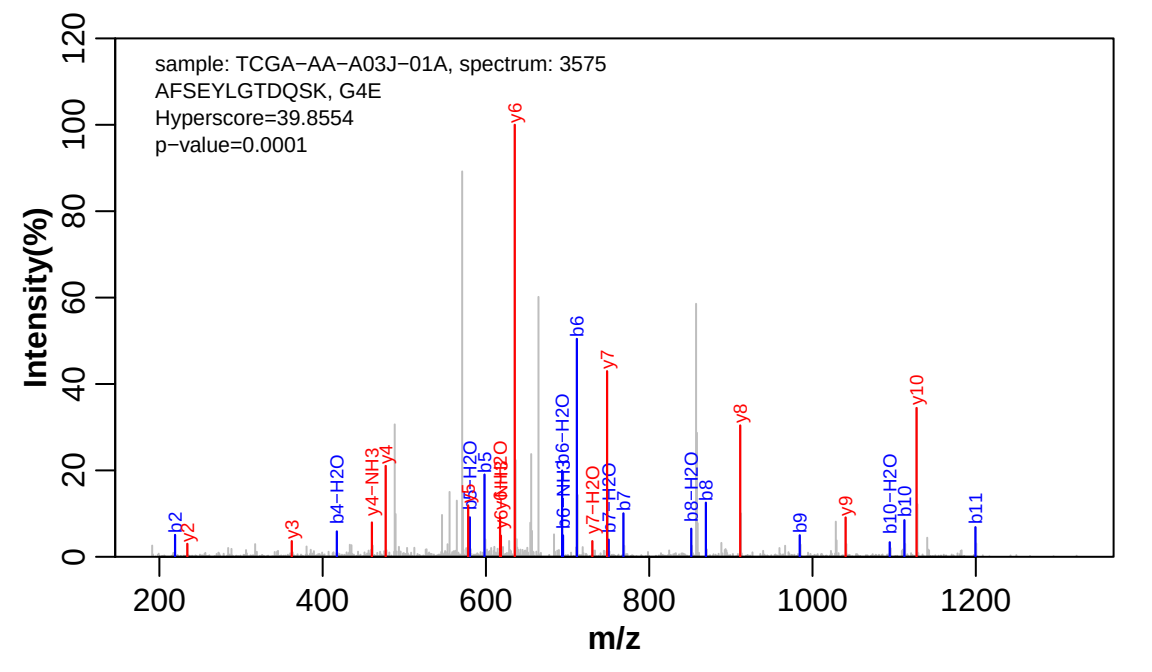

sample: TCGA−AA−A03F−01A, spectrum: 70437
VPVTQATR, L3V
Hyperscore=15.7186
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
b4
y4
y5
y6
y7

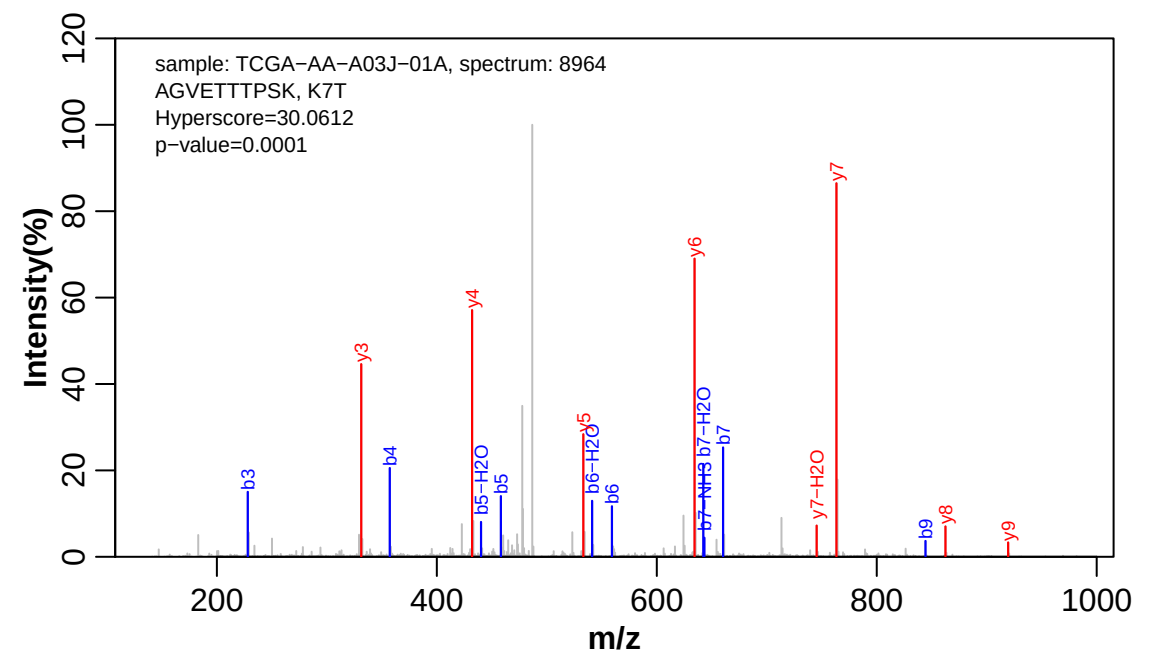

sample: TCGA−AA−A03F−01A, spectrum: 33091
WLLLCNPGLANTLVEK, D11N
Hyperscore=51.9510
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3
y4
b4
y5
y6
b5
y7−H2O
y6−NH3
b6
b7
y8
y9
b8
y10
b9−NH3
b9
b10−NH3
b10
y11
b11
y12
y12−NH3
y13
b13−NH3
b13
y14
b14
b15

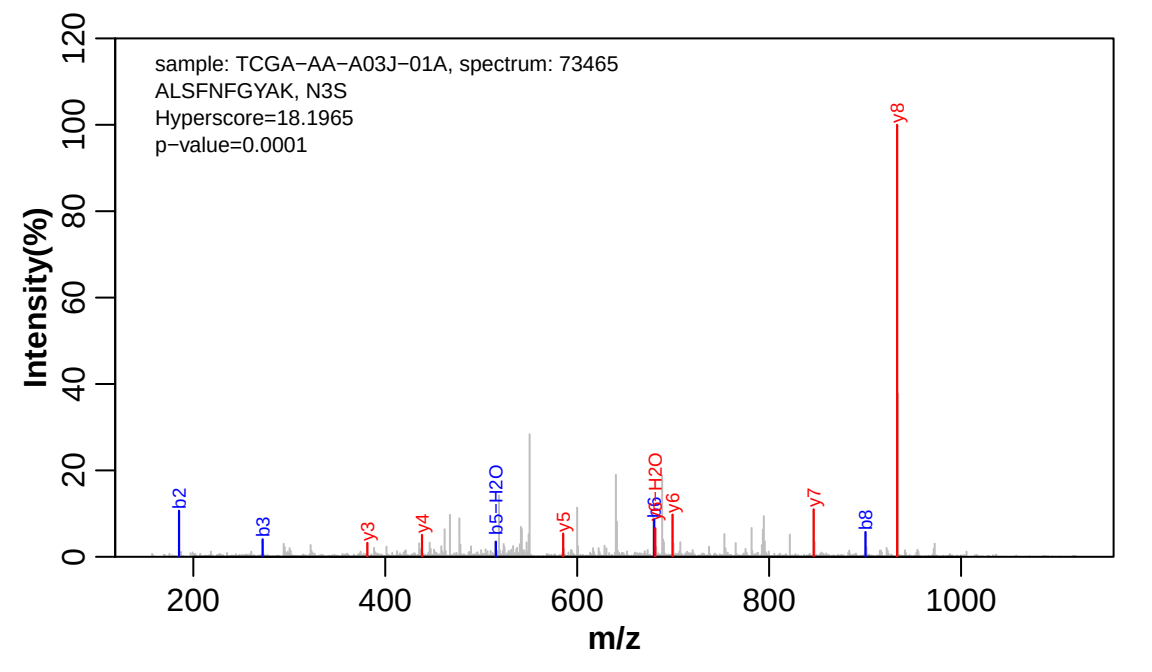

sample: TCGA−AA−A03F−01A, spectrum: 75890
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=14.4310
p−value=0.0003
b16+−N
y13++
b7
y15++
y5−H2O
b11++−H2O
y12++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

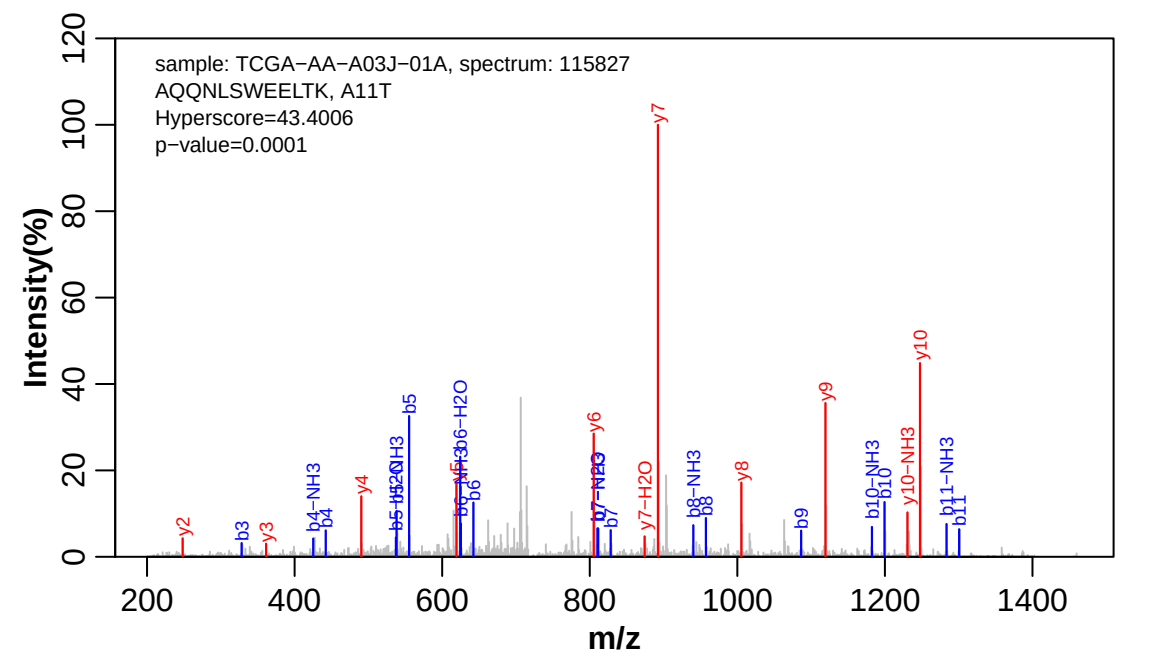

sample: TCGA−AA−A03J−01A, spectrum: 31387
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=68.9787
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b9
b8
b7
b25++
b20++−H2O
b18++−H2O
b23++−H2O
b27++−H2O
y9
y3
y4
y5
y6
y12
y13
b14−H2O
b16
b17−H2O

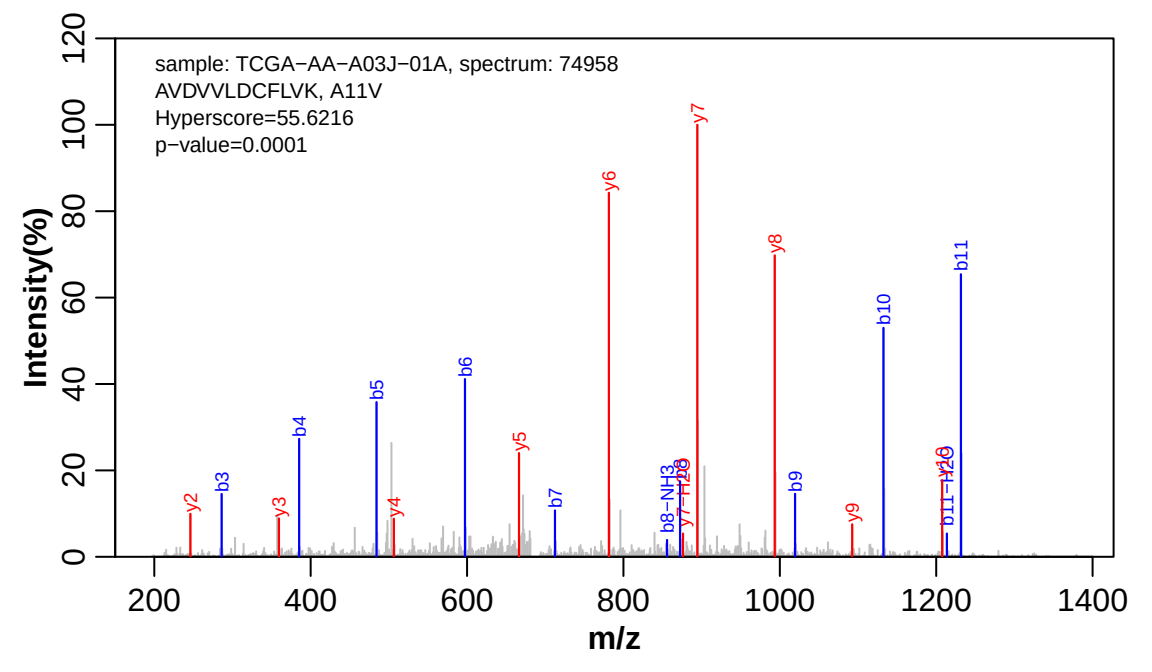

sample: TCGA−AA−A03J−01A, spectrum: 23269
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=33.8270
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b5−H2O
b9++−NH3
y4
b10++−H2O
b6
y5−NH3
y11++−H2O
b7−H2O
b12++−H2O
b7
y12++
y6
y13++
b8
y10
y18++

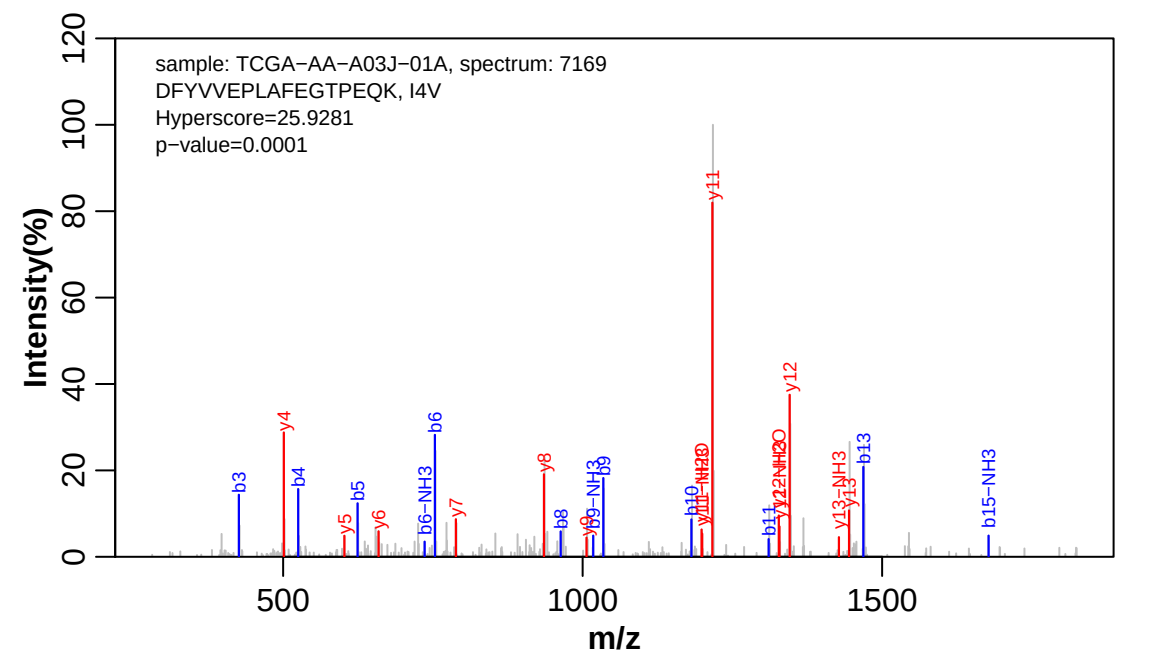

sample: TCGA−AA−A03J−01A, spectrum: 3575
AFSEYLGTDQSK, G4E
Hyperscore=39.8554
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b4−H2O
y4−NH3
y4
b5−H2O
b5
y6−NH3
y6−H2O
y6
b6
b6−NH3
b6−H2O
y7−H2O
b7−H2O
y7
b7
b8−H2O
b8
y8
b9
y9
b10−H2O
b10
y10
b11

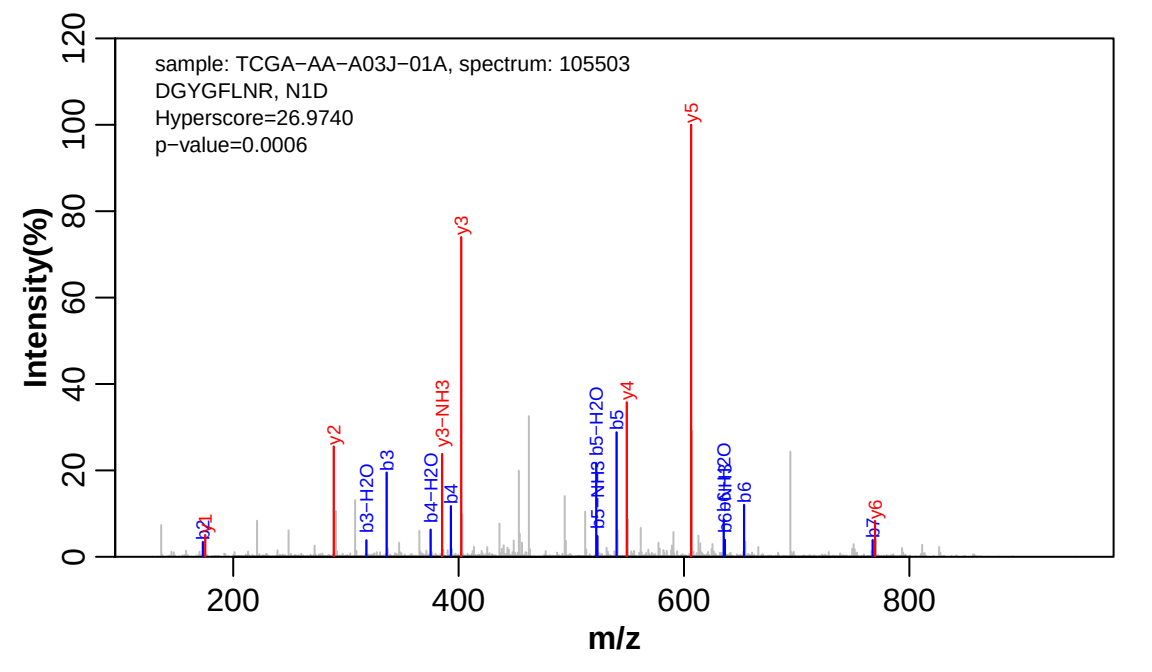

sample: TCGA−AA−A03J−01A, spectrum: 8964
AGVETTTPSK, K7T
Hyperscore=30.0612
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
y7−H2O
b9
y8
y9

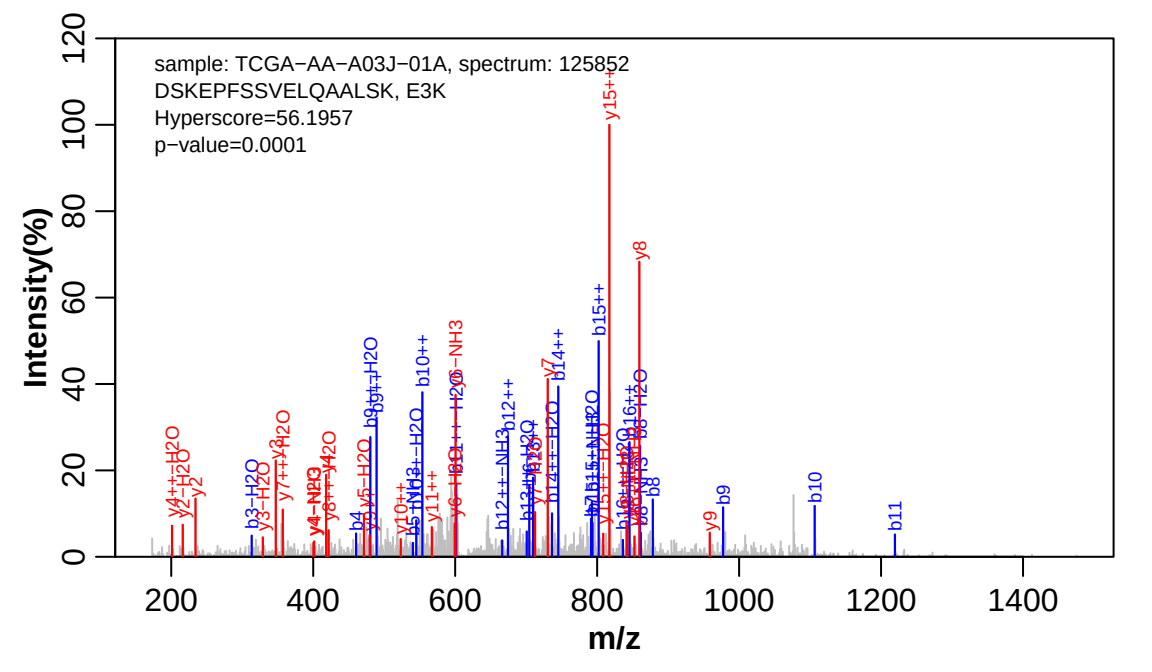

sample: TCGA−AA−A03J−01A, spectrum: 73465
ALSFNFGYAK, N3S
Hyperscore=18.1965
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
y3
y4
b5−H2O
y5
y6−H2O
y6
y7
b8
y8

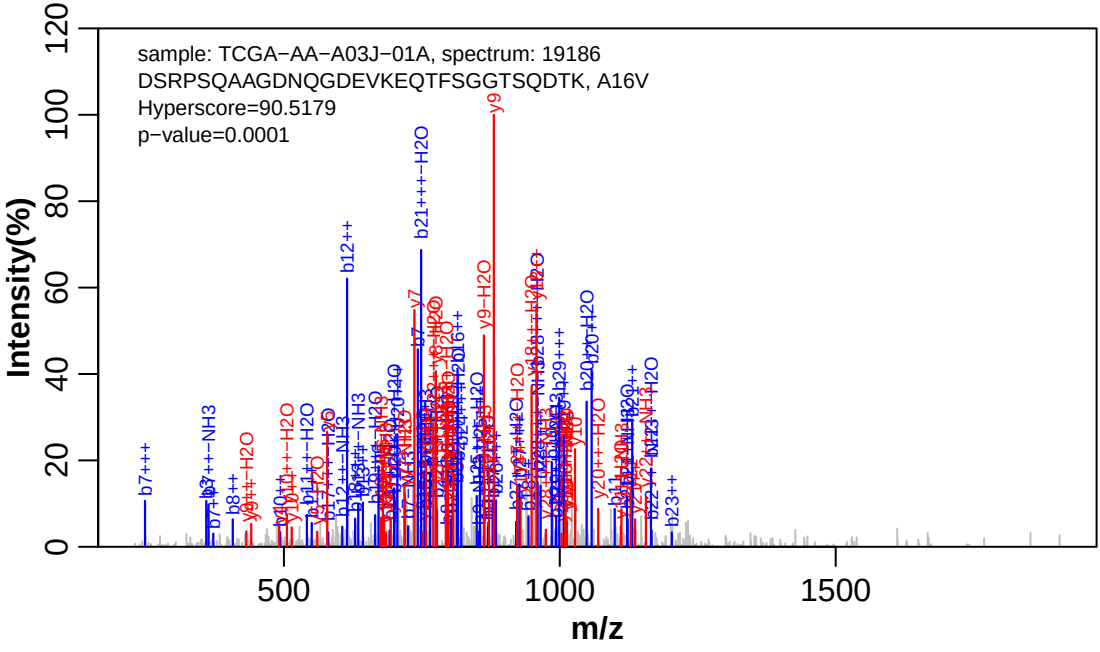

sample: TCGA−AA−A03J−01A, spectrum: 115827
AQQNLSWEELTK, A11T
Hyperscore=43.4006
p−value=0.0001
Intensity(%)
m/z
y7
y10
y9
y6
y8
y4
y2
y3
b3
b4
b4−NH3
b5
b6
b6−H2O
b7
b8
b8−NH3
b9
b10
b10−NH3
y10−NH3
b11
b11−NH3
y7−H2O

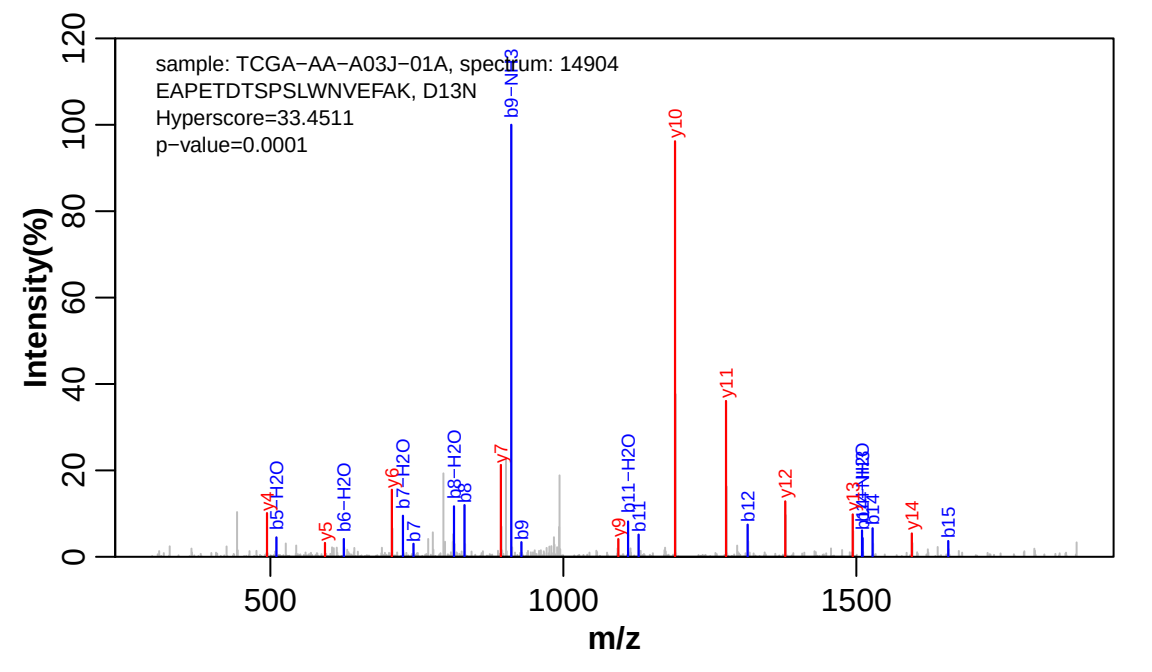

sample: TCGA−AA−A03J−01A, spectrum: 74958
AVDVVLDCFLVK, A11V
Hyperscore=55.6216
p−value=0.0001
Intensity(%)
m/z
y2
b3
y3
b4
b5
y4
b6
y5
b7
y6
b8−NH3
y7−H2O
y7
y8
b9
y9
b10
b11
b11−H2O
y10

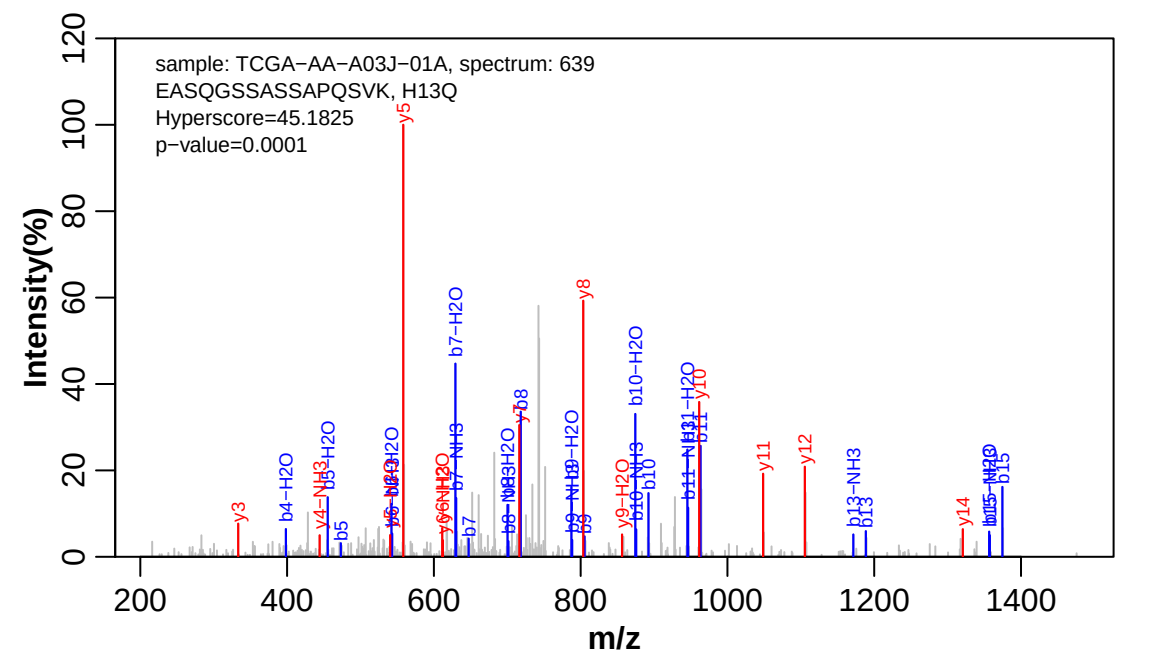

sample: TCGA−AA−A03J−01A, spectrum: 7169
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=25.9281
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
y4
b4
y5
b5
y6
b6
b6−NH3
y7
y8
b8
y9
b9
b9−NH3
b10
y11
b11
y12
b13
y13−NH3
b15−NH3

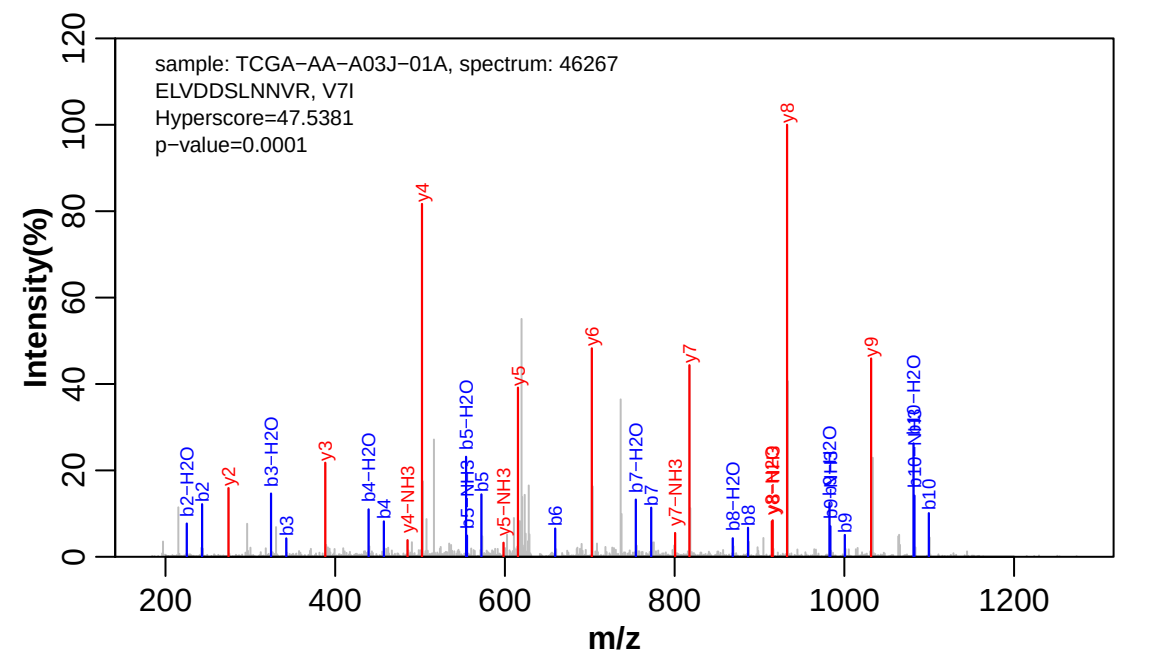

sample: TCGA−AA−A03J−01A, spectrum: 105503
DGYGFLNR, N1D
Hyperscore=26.9740
p−value=0.0006
Intensity(%)
m/z
y5
y3
y2
y4
y3−NH3
b5−H2O
b5
b3
b3−H2O
b4−H2O
b4
b6
y6
b7
b2
y1

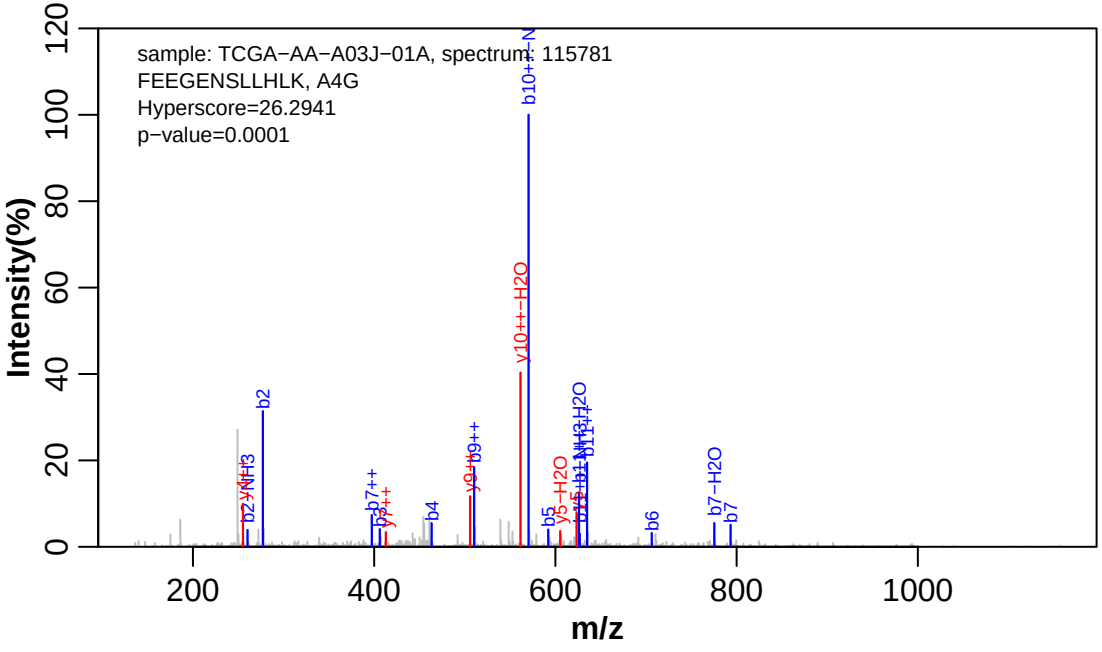

sample: TCGA−AA−A03J−01A, spectrum: 125852
DSKEPFSSVELQAALSK, E3K
Hyperscore=56.1957
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y15++
y8
b15++
b14++
b10++
b12++−NH3
y9
b9
b10
b11

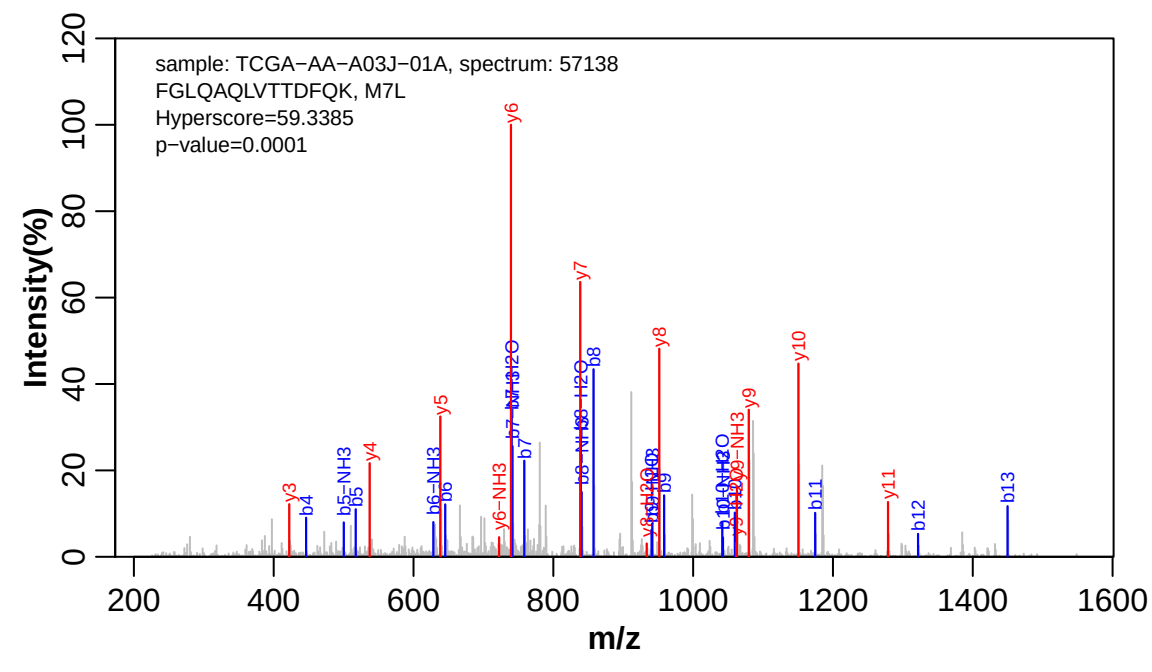

sample: TCGA−AA−A03J−01A, spectrum: 19186
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=90.5179
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b7+++
b7++−NH3
b8++
y9++−H2O
y10++
y10++−H2O
b12++
b12++−NH3
b21+++−H2O
y9
y7
y9−H2O
b20++
b20++−H2O
y20++−H2O
b23++

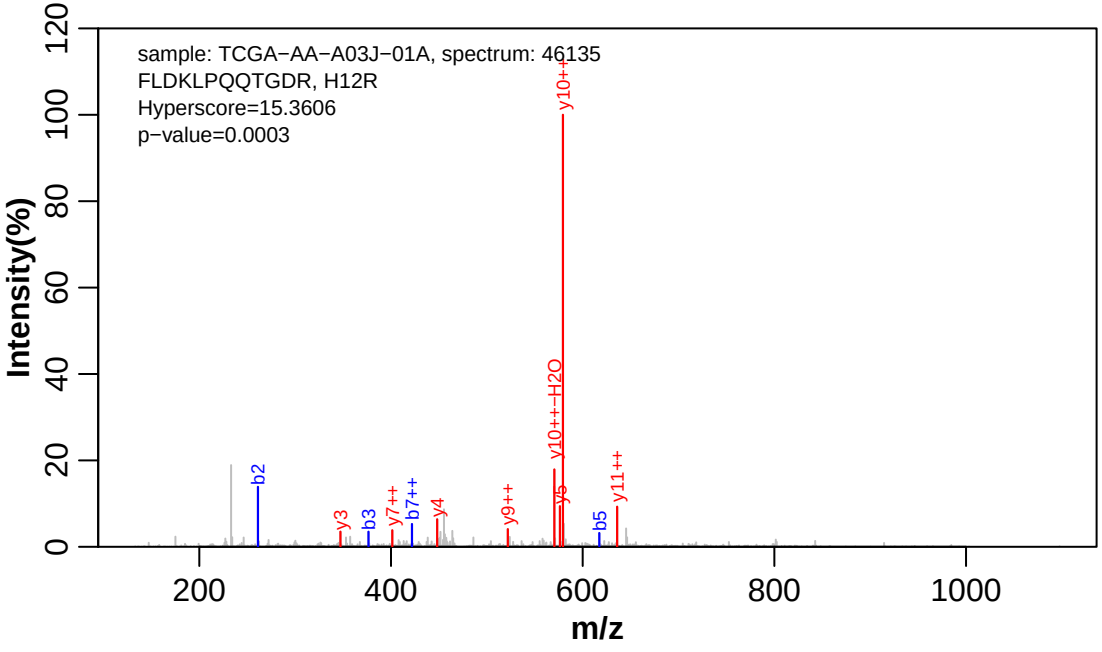

sample: TCGA−AA−A03J−01A, spectrum: 14904
EAPETDTSPSLWNVEFAK, D13N
Hyperscore=33.4511
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9−NH3
y10
y11
y12
y14
b15
b12
y7
b9
y6
b7−H2O
b7
b8−H2O
b8
y5
b6−H2O
y4
b5−H2O
y9
b11−H2O
b11

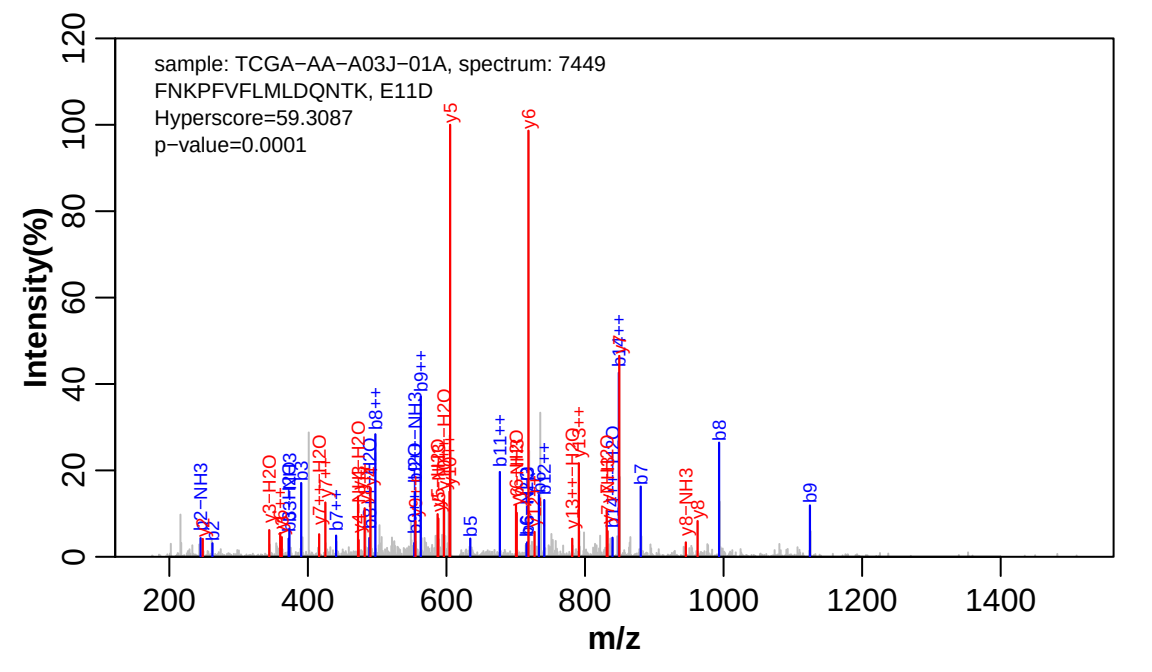

sample: TCGA−AA−A03J−01A, spectrum: 639
EASQGSSASSAPQSVK, H13Q
Hyperscore=45.1825
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y8
y3
b4−H2O
y4−NH3
b5
b5−H2O
b7−H2O
b7−NH3
b7
y8
b10−H2O
b10−NH3
b10
y9−H2O
y10
y11
y12
b13−NH3
b13
y14
b15

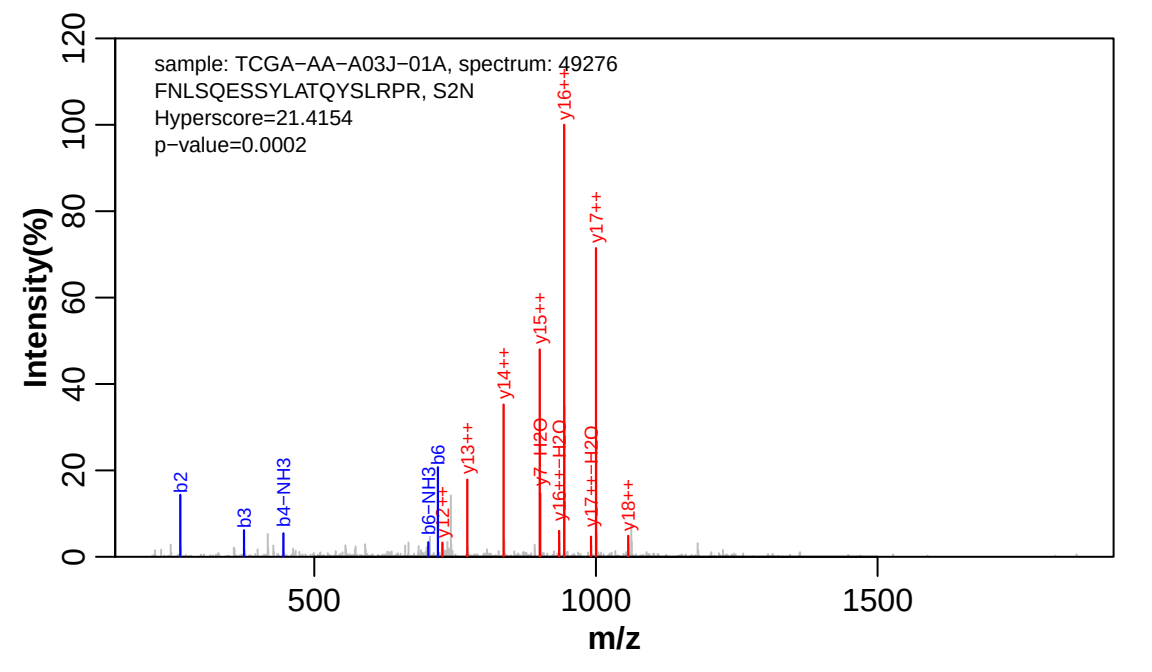

sample: TCGA−AA−A03J−01A, spectrum: 46267
ELVDDSLNNVR, V7I
Hyperscore=47.5381
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y8
y4
y6
y5
y7
y9
y3
y2
b2−H2O
b2
b3−H2O
b3
b4−H2O
b4
y4−NH3
b5−NH3
b5−H2O
b5
y5−NH3
b6
b7−H2O
b7
y7−NH3
b8−H2O
b8
b9
b10−H2O
b10

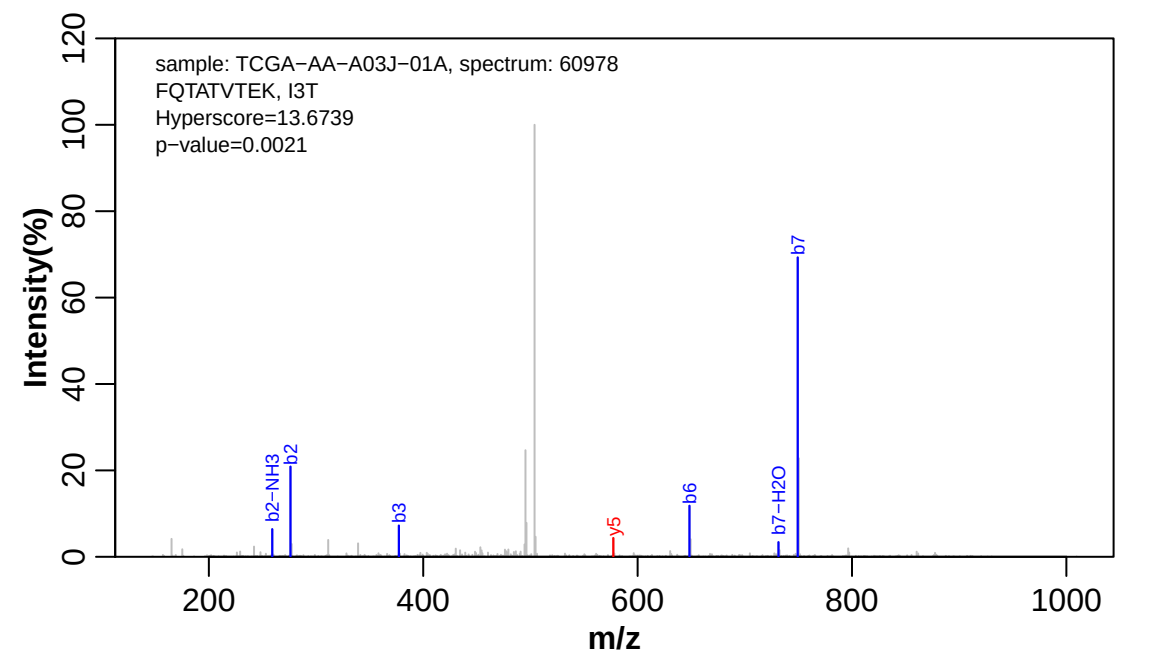

sample: TCGA−AA−A03J−01A, spectrum: 115781
FEEGENSLLHLK, A4G
Hyperscore=26.2941
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b10++−N
y10++−H2O
b2
b2−NH3
b7++
y3++
b4
y9++
b9++
b5
y5−H2O
b6
b7−H2O
b7

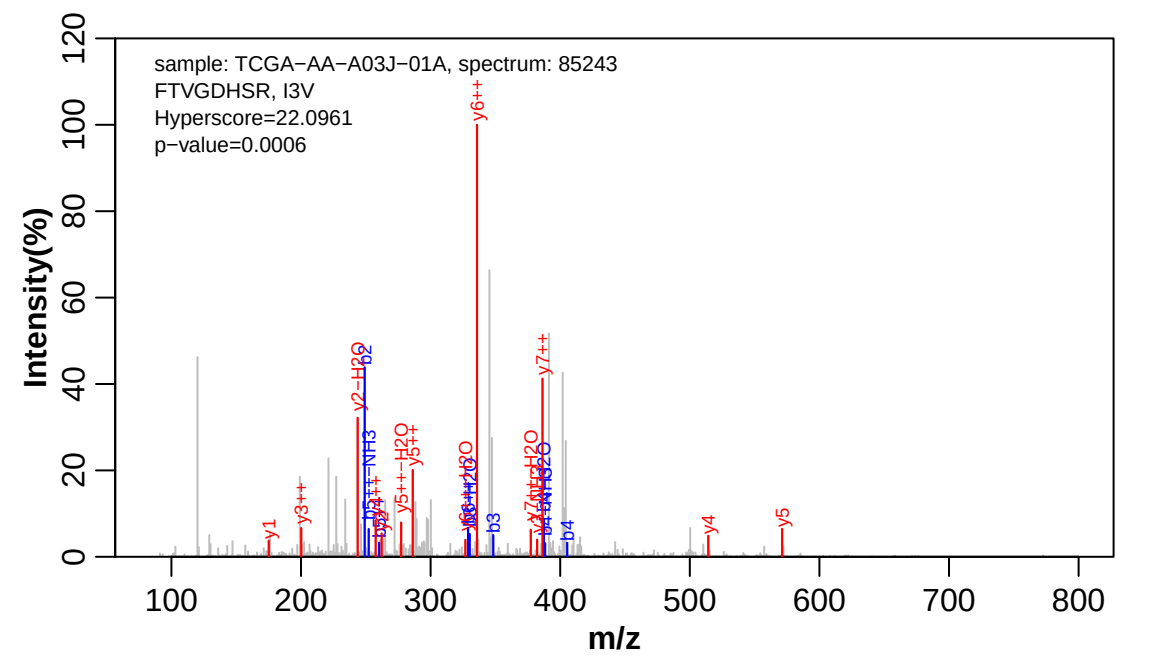

sample: TCGA−AA−A03J−01A, spectrum: 57138
FGLQAQLVTTDFQK, M7L
Hyperscore=59.3385
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y8
y10
y5
y9
y4
y3
y11
b13
b11
b12
b8
b4
b5
b6
b7
b9
y6−NH3
b5−NH3
b6−NH3
y9−NH3

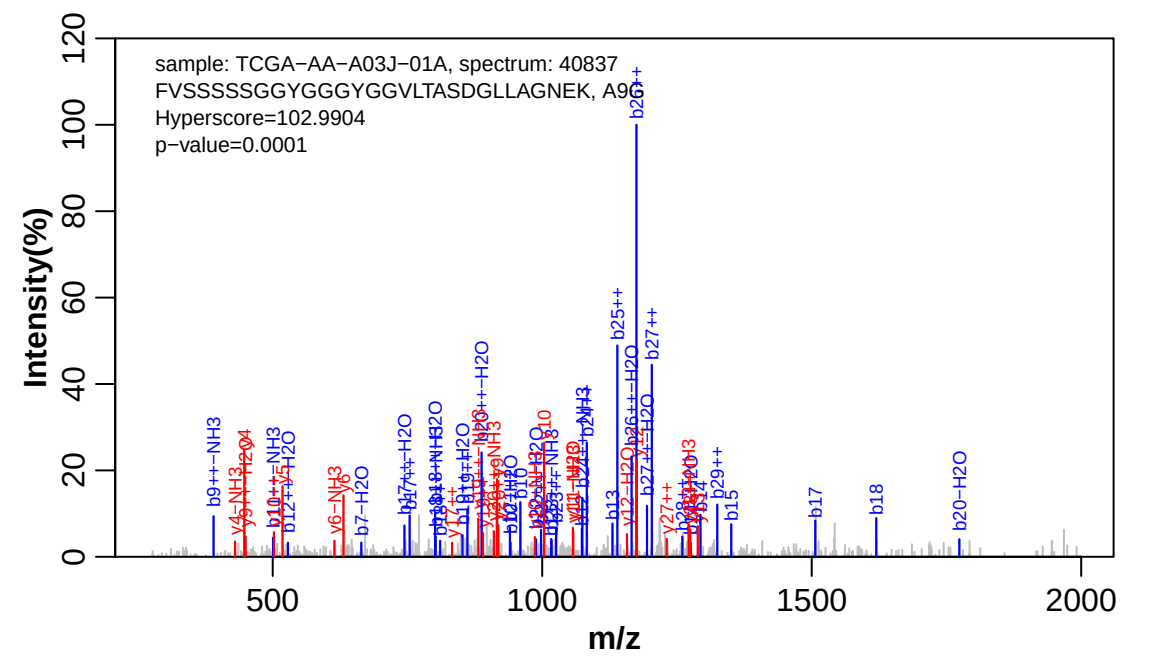

sample: TCGA−AA−A03J−01A, spectrum: 46135
FLDKLPQQTGDR, H12R
Hyperscore=15.3606
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y3
b3
y7++
b7++
y4
y9++
y10++-H2O
y5
y10++
b5
y11++

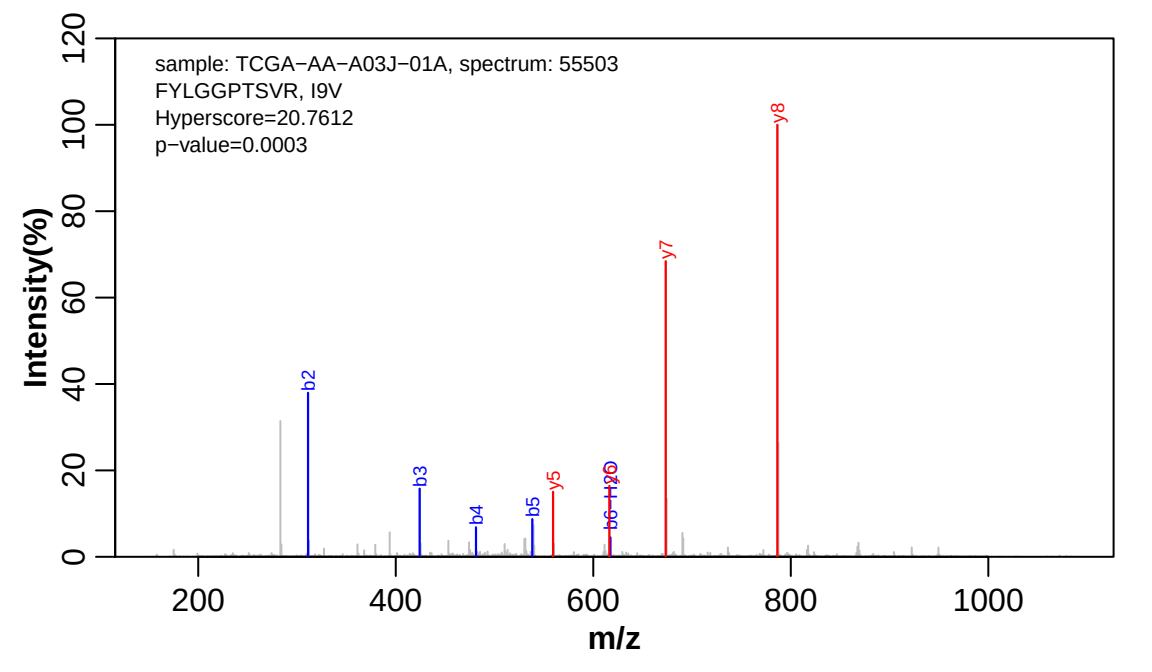

sample: TCGA−AA−A03J−01A, spectrum: 7449
FNKPFVFLMLDQNTK, E11D
Hyperscore=59.3087
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y6
b17++
b8
b9
b11++
b5
b7
b9++
b8++
b2−NH3
b2
b3
y3−H2O
y7++
y7++H2O
b7++
y13++
y13++H2O
b12++
y8−NH3
y8

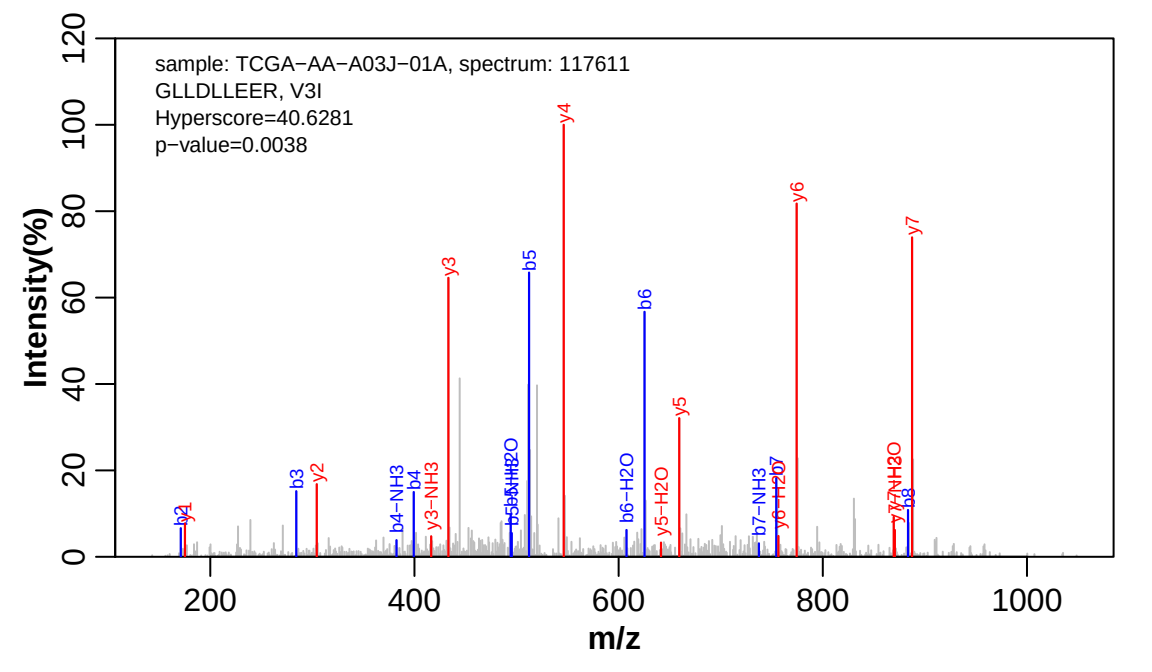

sample: TCGA−AA−A03J−01A, spectrum: 49276
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=21.4154
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b4−NH3
b6−NH3
b6
y12++
y13++
y14++
y7−H2O
y15++
y16++−H2O
y16++
y17++−H2O
y17++
y18++

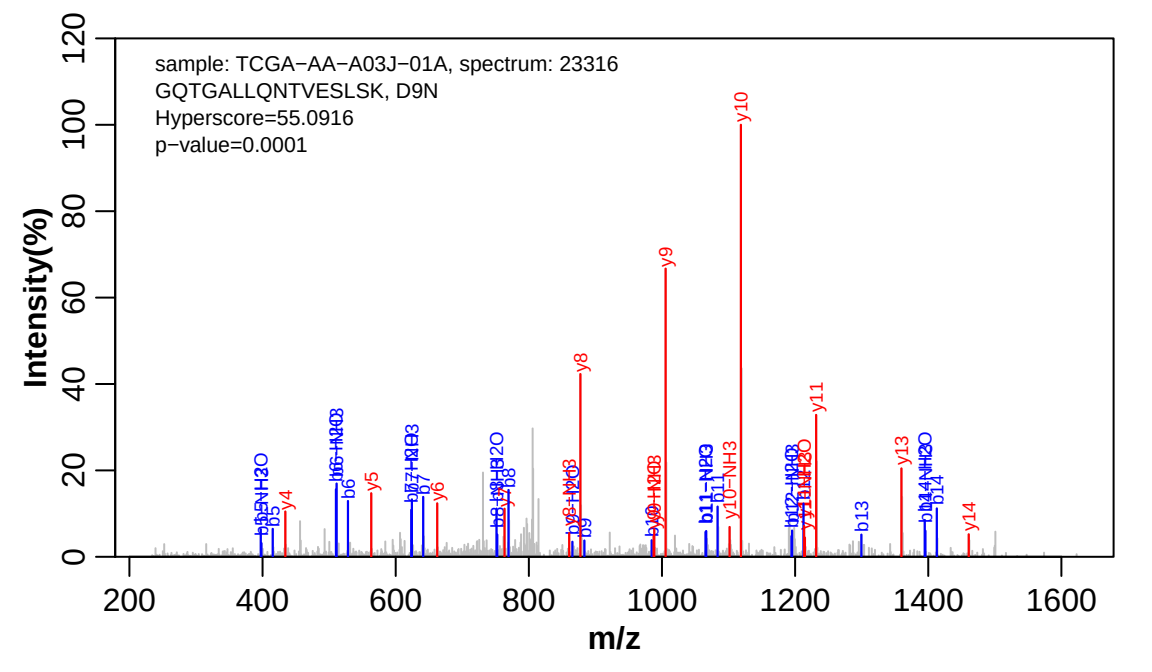

sample: TCGA−AA−A03J−01A, spectrum: 60978
FQTATVTEK, I3T
Hyperscore=13.6739
p−value=0.0021
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2−NH3
b2
b3
y5
b6
b7−H2O
b7

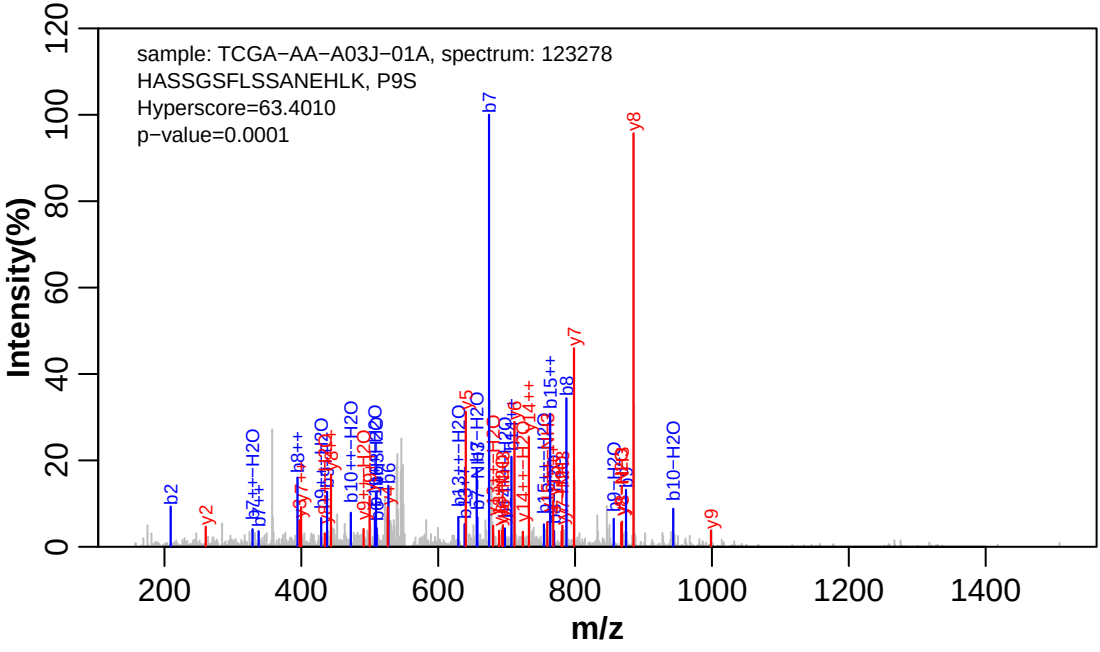

sample: TCGA−AA−A03J−01A, spectrum: 85243
FTVGDHSR, I3V
Hyperscore=22.0961
p−value=0.0006
Intensity(%)
m/z
y6++
y2−H2O
b2
y5++
y5++−H2O
y7++
y1
y3++
b3
b4
y4
y5
0
20
40
60
80
100
120
100
200
300
400
500
600
700
800

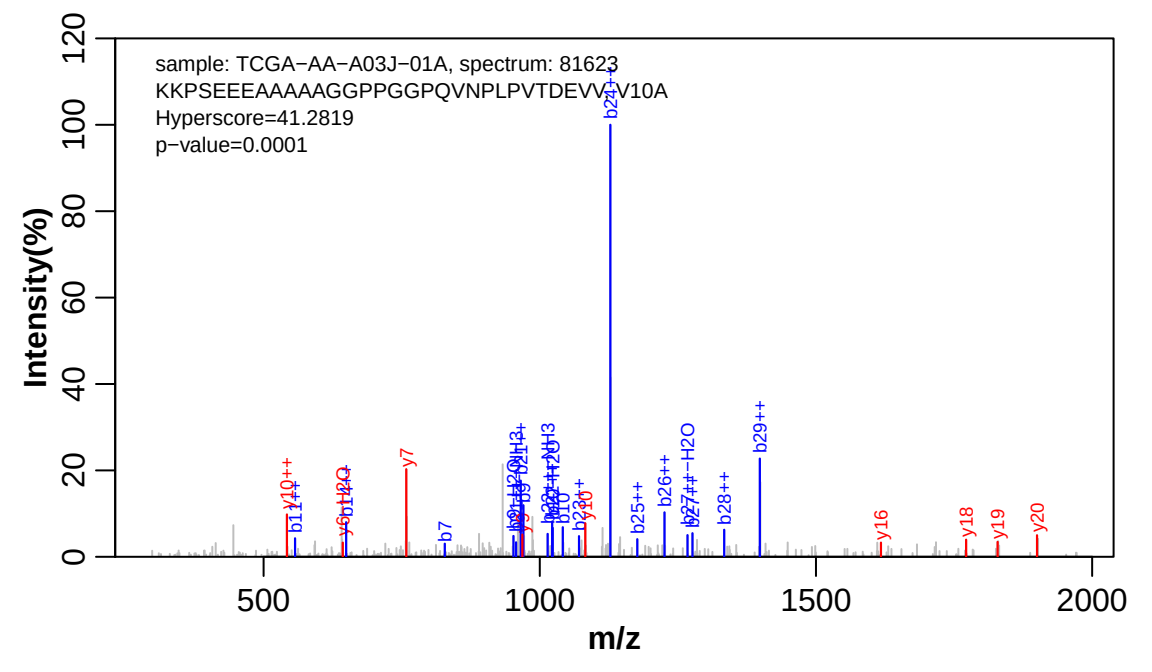

sample: TCGA−AA−A03J−01A, spectrum: 40837
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=102.9904
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
b10++−NH3
b12++−H2O
y6−NH3
y6
b7−H2O
b17++−H2O
b18++−NH3
b18++−H2O
b19++−H2O
b26++−H2O
b10
b2−NH3
b25++
b13
b27++
b26++
y12−H2O
b27++−H2O
y27++
b29++
b15
b17
b18
b20−H2O

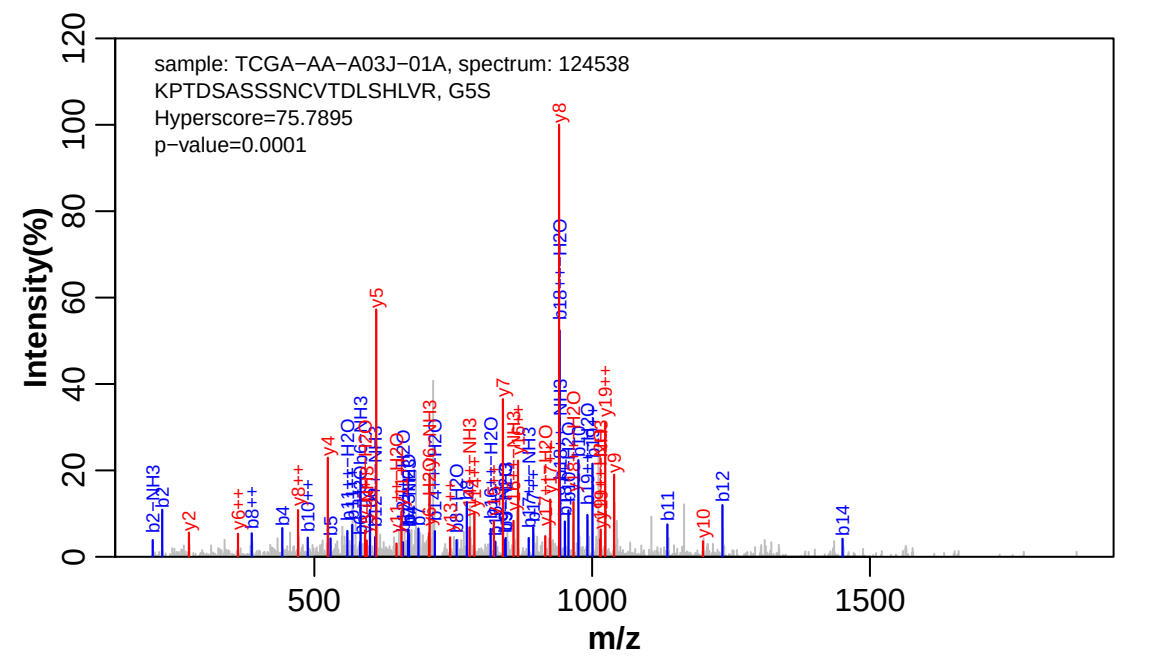

sample: TCGA−AA−A03J−01A, spectrum: 55503
FYLGGPTSVR, I9V
Hyperscore=20.7612
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

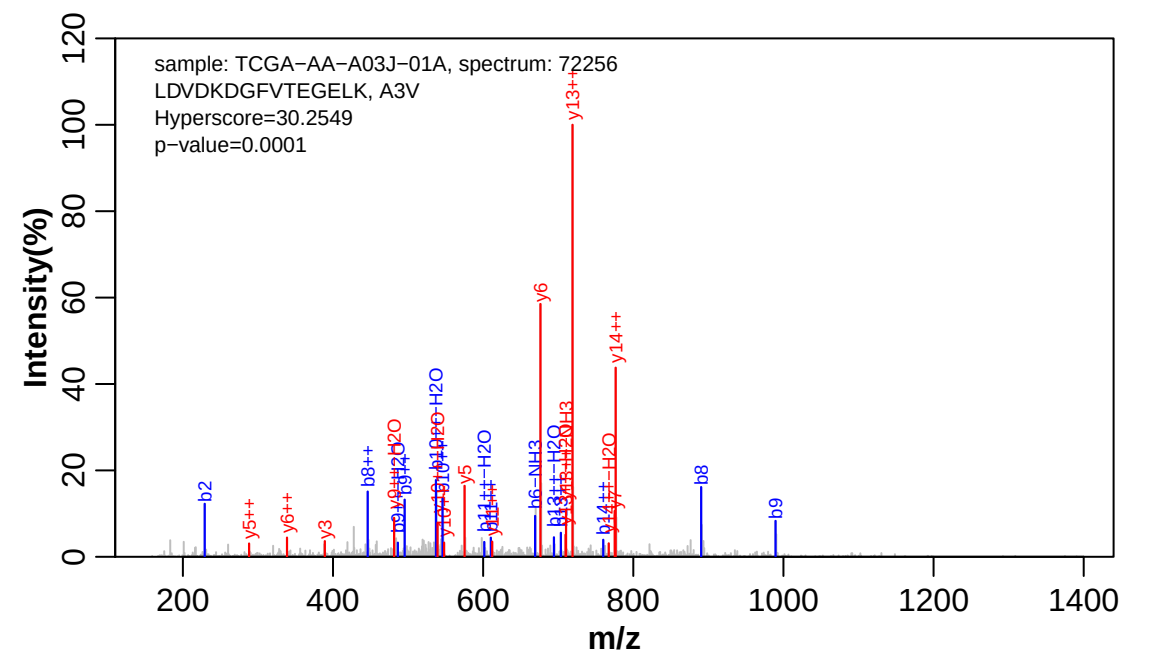

sample: TCGA−AA−A03J−01A, spectrum: 117611
GLLDLLEER, V3I
Hyperscore=40.6281
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
b3
y2
b4−NH3
b4
y3−NH3
y3
b5
b5−H2O
y4
b6
b6−H2O
y5
y5−H2O
b7−NH3
y6−H2O
y6
y7−NH3
y7−H2O
y7
b8
y8

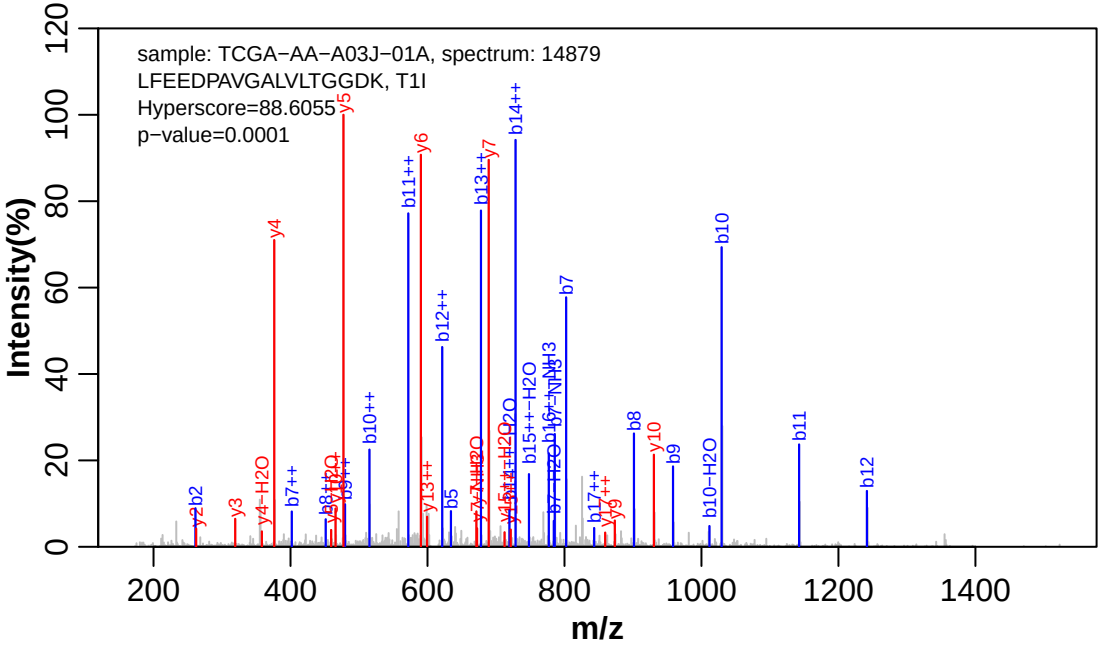

sample: TCGA−AA−A03J−01A, spectrum: 23316
GQTGALLQNTVESLSK, D9N
Hyperscore=55.0916
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
y5
y6
y4
b13
b14
b6
b7
b5
y10−NH3

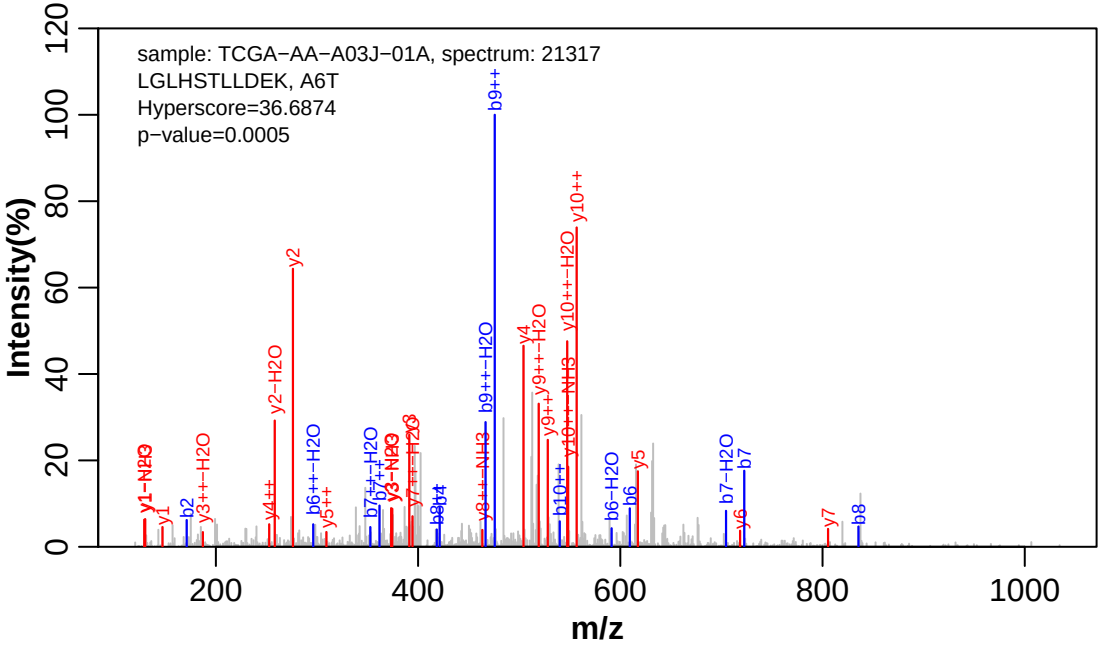

sample: TCGA−AA−A03J−01A, spectrum: 123278
HASSGSFLSSANEHLK, P9S
Hyperscore=63.4010
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b7
y8
y7
b8
b10−H2O
y9

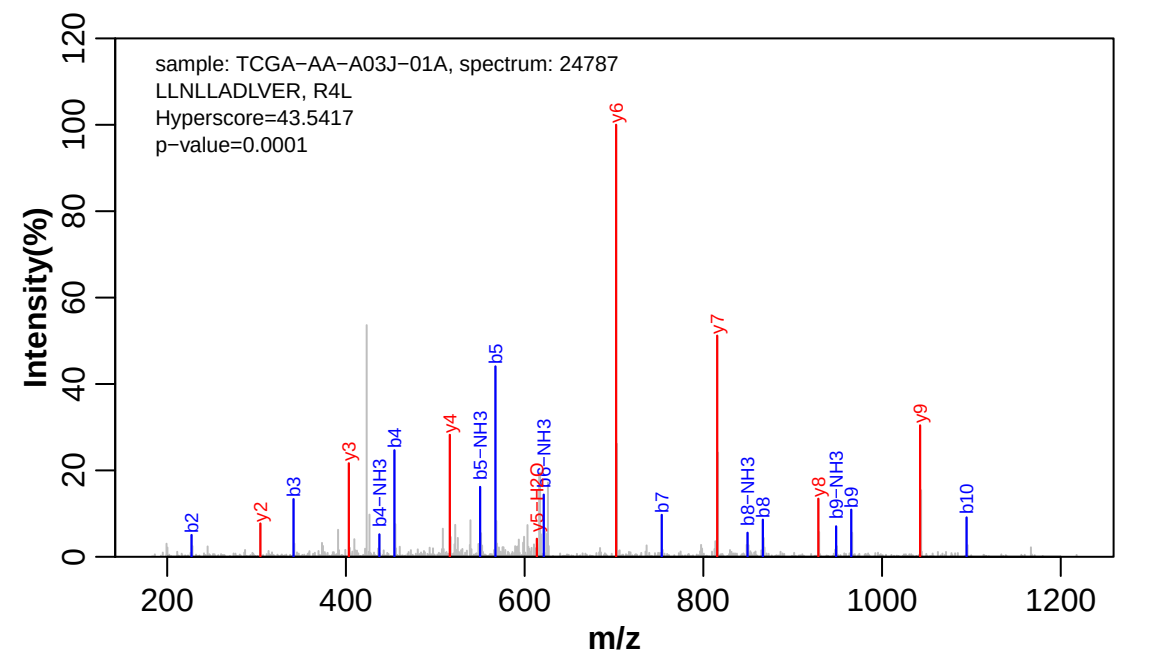

sample: TCGA−AA−A03J−01A, spectrum: 81623
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV10A
Hyperscore=41.2819
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b21++
y10++
b11++
y6b1−H2O
y7
b7
b25++
b26++
b27++−H2O
b28++
b29++
y16
y18
y19
y20

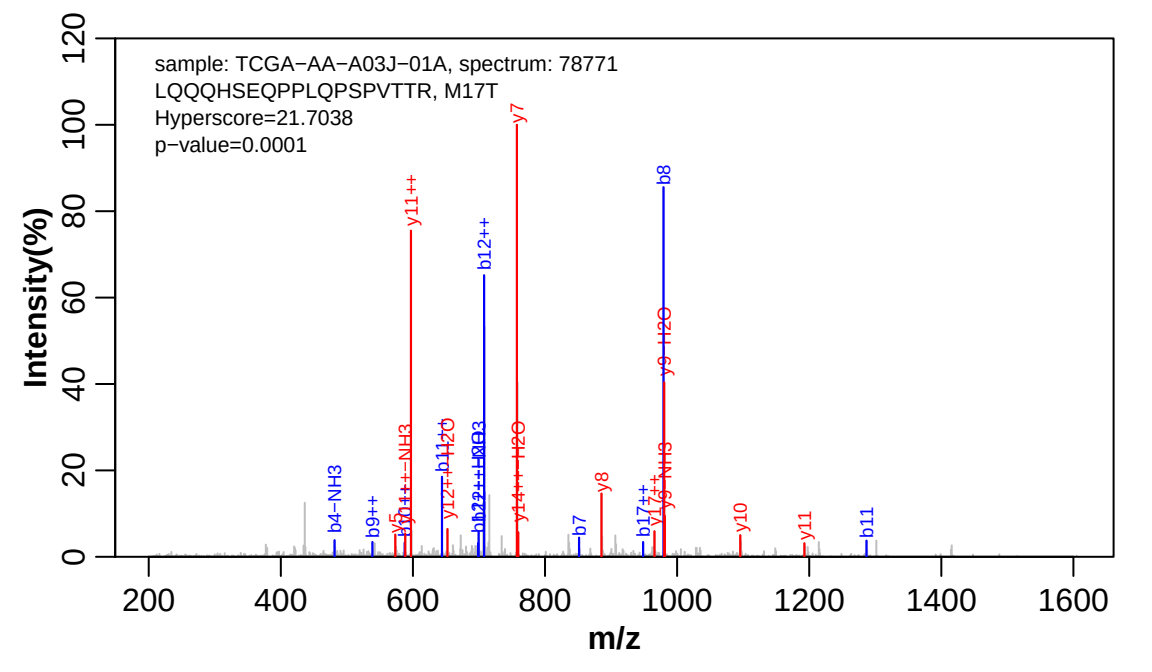

sample: TCGA−AA−A03J−01A, spectrum: 124538
KPTDSASSSNCVTDLSHLVR, G5S
Hyperscore=75.7895
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
b10++ H2O
y5
y4
y7
y19++
y9
b11
y10
b12
b14
b2−NH3
b2
y2
y6++
b8++
b4
b10++
b5
y8++

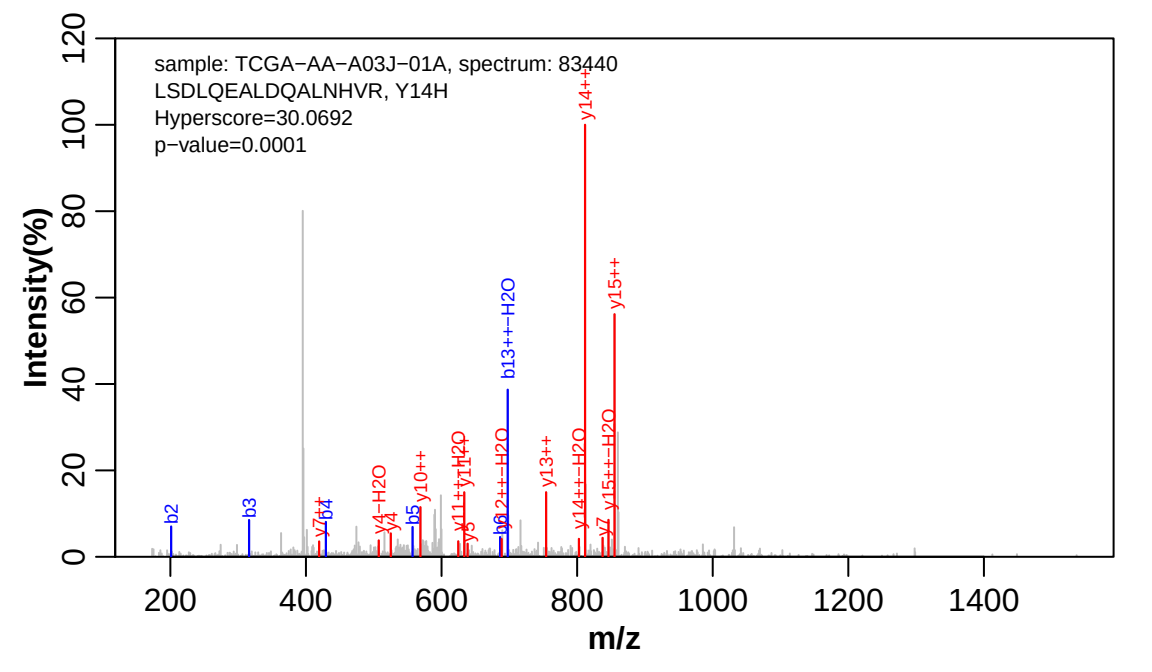

sample: TCGA−AA−A03J−01A, spectrum: 72256
LDVDKDGFVTEGELK, A3V
Hyperscore=30.2549
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y5++
y6++
y3
b8++
b9++
b11++
y10−H2O
y10−H2O
y8−H2O
y8−H2O
y5
b11++−H2O
y6
b6−NH3
b13++−H2O
b13++−H2O
y13++
y14++
b14++−H2O
y7−H2O
b8
b9

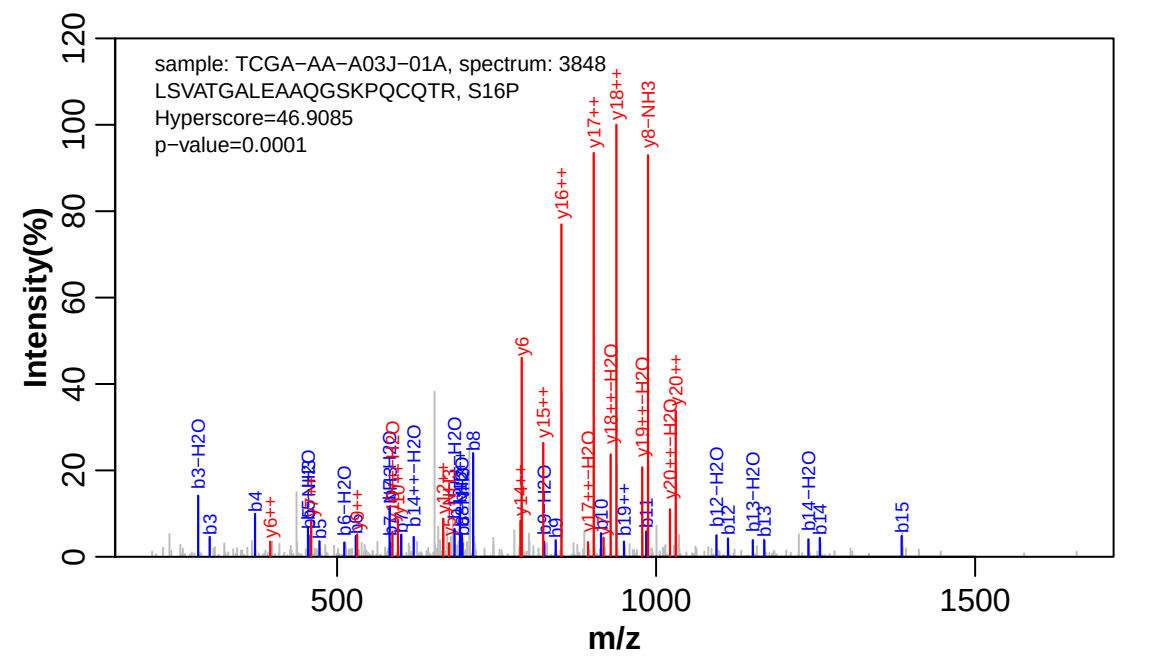

sample: TCGA−AA−A03J−01A, spectrum: 14879
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=88.6055
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y6
y4
b14++
b11++
b13++
y7
b10
b7
b12++
b5
b10++
y13++
b15++ −H2O
b8
y10
b9
b11
b12
b10−H2O
b17++
y9
y2
b2
y3
y4−H2O
b7++

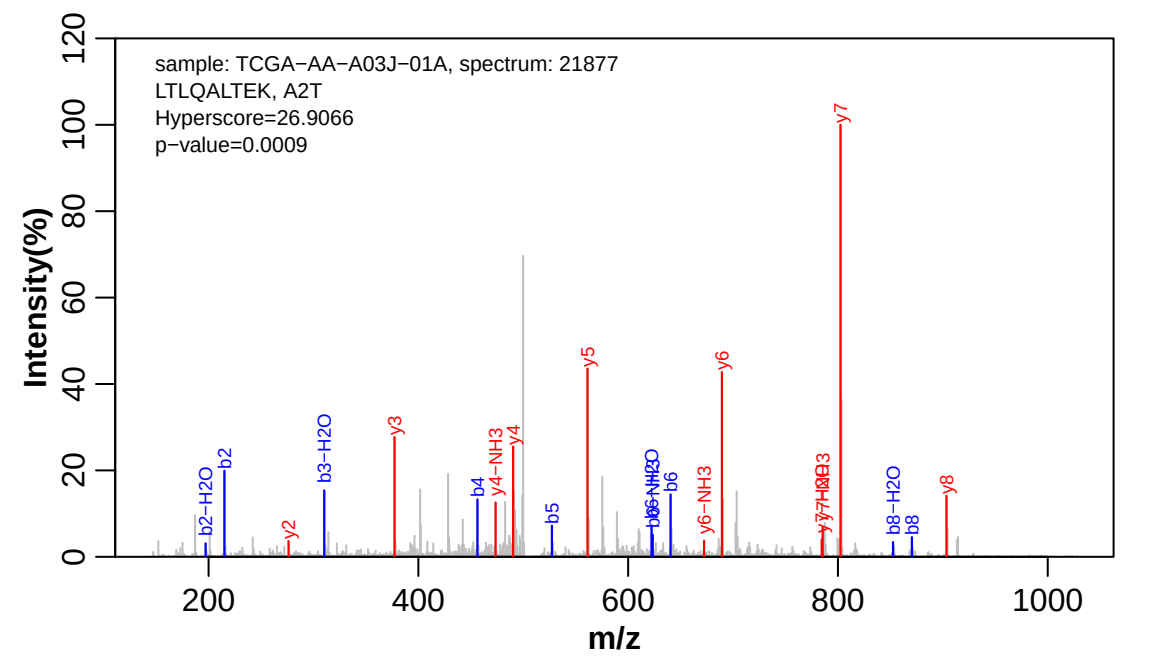

sample: TCGA−AA−A03J−01A, spectrum: 21317
LGLHSTLLDEK, A6T
Hyperscore=36.6874
p−value=0.0005
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1−NH3
y1
b2
y3++−H2O
y2
y2−H2O
y4++
b6++−H2O
y5++
b7++−H2O
b7++
y3−NH3
y3−H2O
y7++−H2O
b8++
b9++
b9++−H2O
y8++−NH3
y4
y9++
y9++−H2O
y10++
y10++−H2O
y10++−NH3
b10++
b6−H2O
b6
y5
b7−H2O
b7
y6
y7
b8

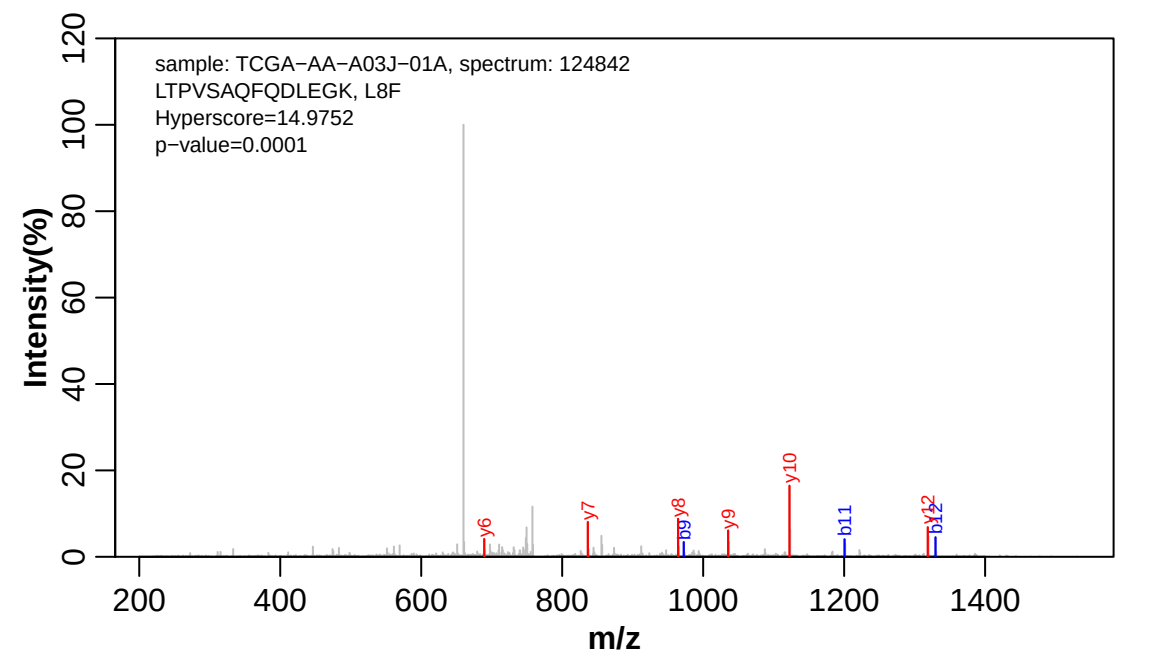

sample: TCGA−AA−A03J−01A, spectrum: 24787
LLNLLADLVER, R4L
Hyperscore=43.5417
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−H2O
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

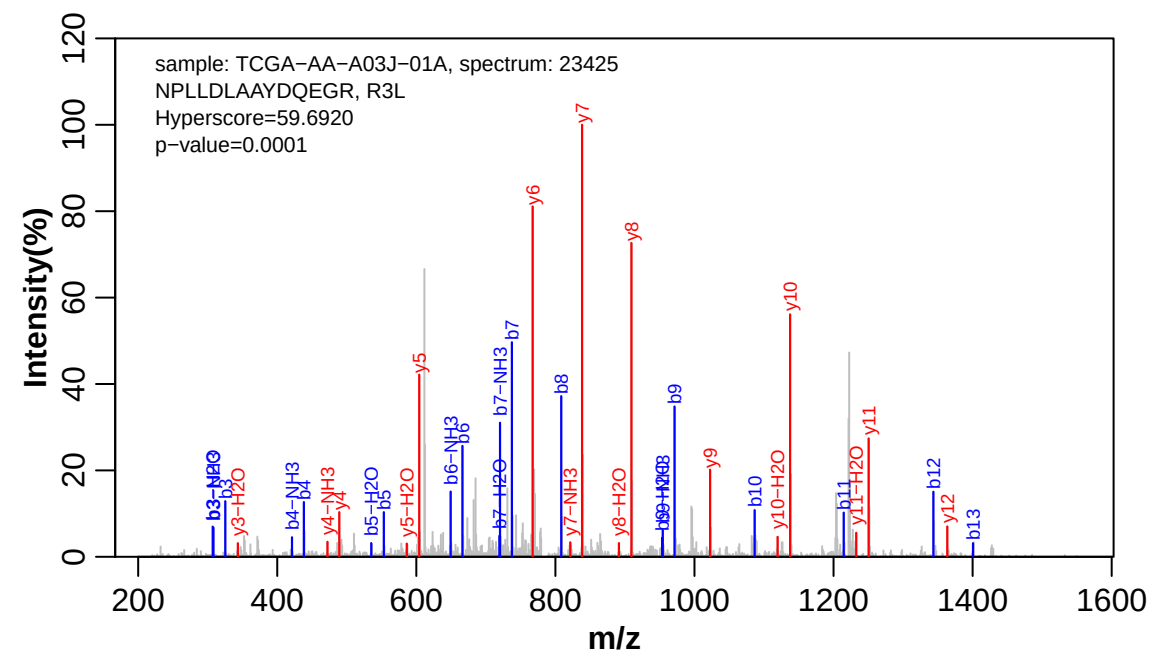

sample: TCGA−AA−A03J−01A, spectrum: 78771
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.7038
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y11++
b8
b12++
y9−H2O
y14++−H2O
y8
y9−NH3
b7
b17++
y10
y11
b11
b4−NH3
b9++

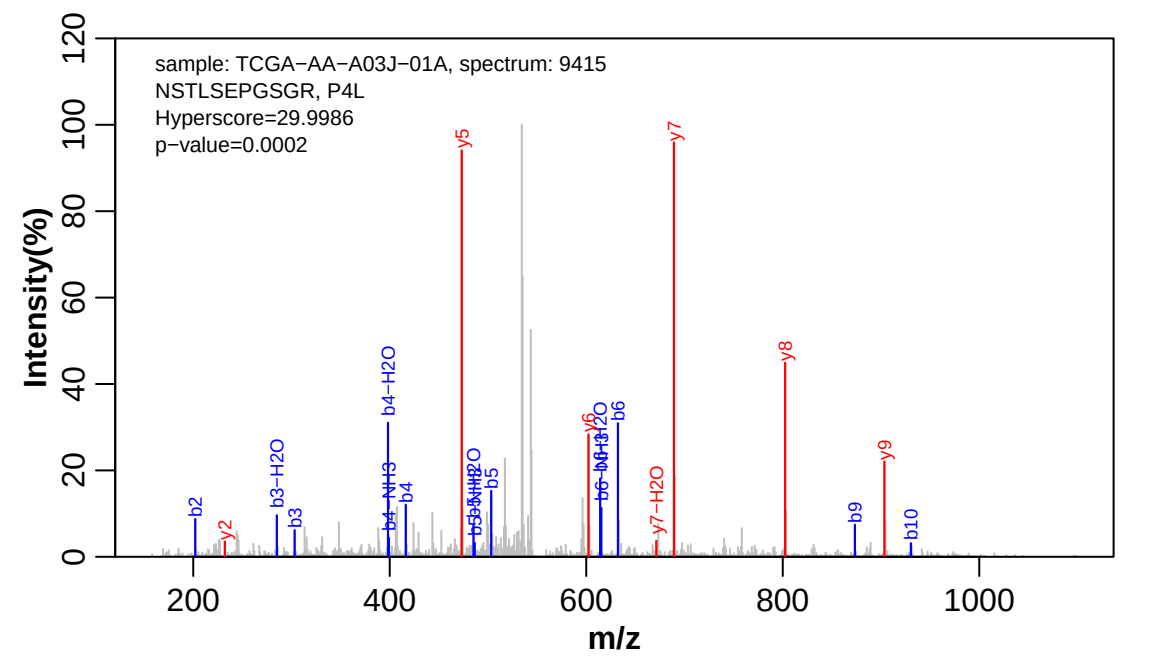

sample: TCGA−AA−A03J−01A, spectrum: 83440
LSDLQEALDQALNHVR, Y14H
Hyperscore=30.0692
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b3
y7++
b4
y4−H2O
y4
b5
y10++
y11++
y11++−H2O
y3
b9
b9 2++−H2O
b13++−H2O
y13++
y14++−H2O
y14++
y7
y15++−H2O
y15++

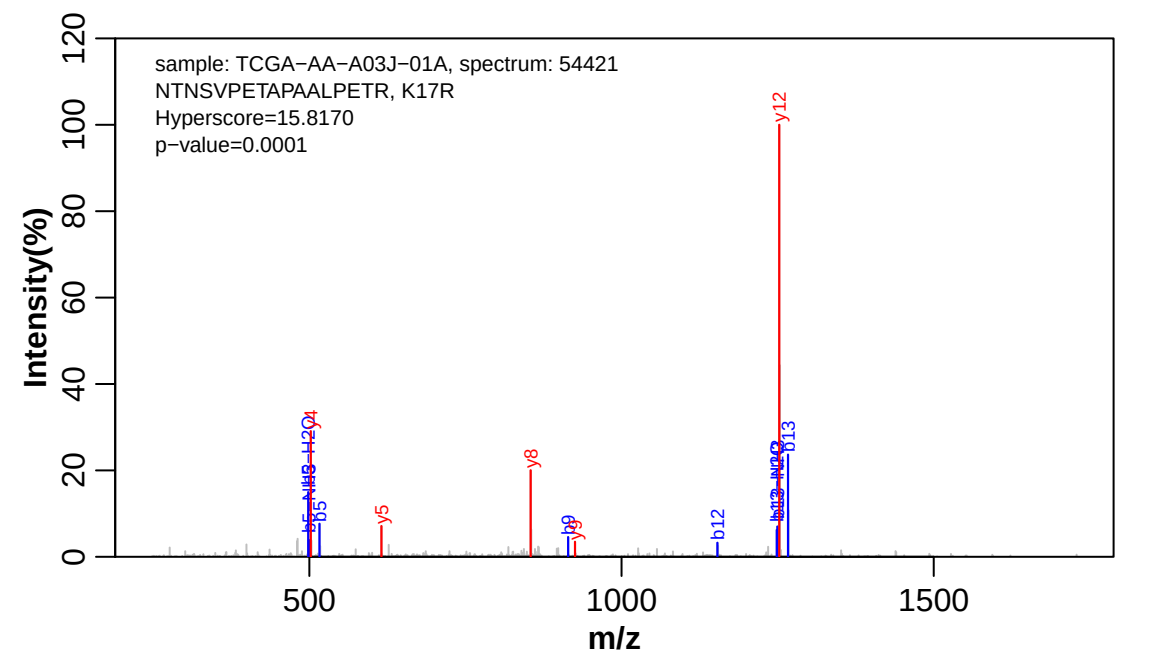

sample: TCGA−AA−A03J−01A, spectrum: 3848
LSVATGALEAAQGSKPQCQTR, S16P
Hyperscore=46.9085
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b3
b4
y6++
b5−NH3
b5
b6−H2O
y9++
b7−H2O
b7−NH3
b14++−H2O
b8
y12++
y6
y14++
y15++
b9−H2O
b9
y16++
y17++−H2O
y10
y18++−H2O
y19++
b11
y19++−H2O
y8−NH3
y18++
y17++
y20++−H2O
y20++
b12−H2O
b12
b13−H2O
b13
b14−H2O
b14
b15

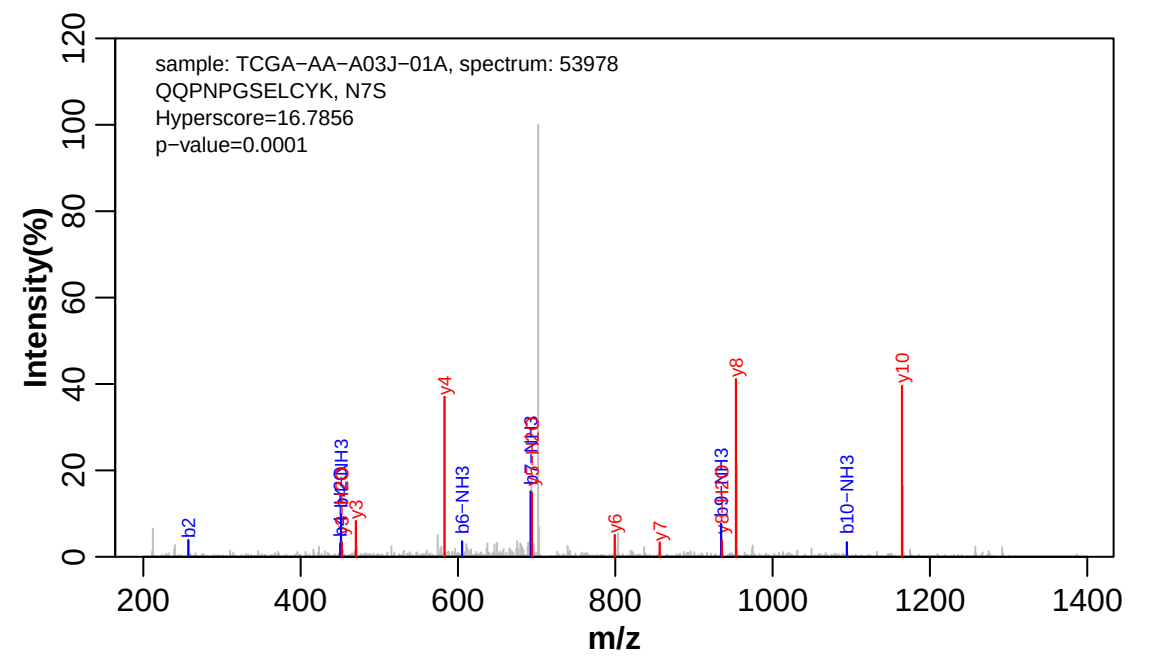

sample: TCGA−AA−A03J−01A, spectrum: 21877
LTLQALTEK, A2T
Hyperscore=26.9066
p−value=0.0009
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2−H2O
b2
y2
b3−H2O
y3
b4
y4−NH3
y4
b5
y5
b6
y6−NH3
y6
y7
b8−H2O
b8
y8

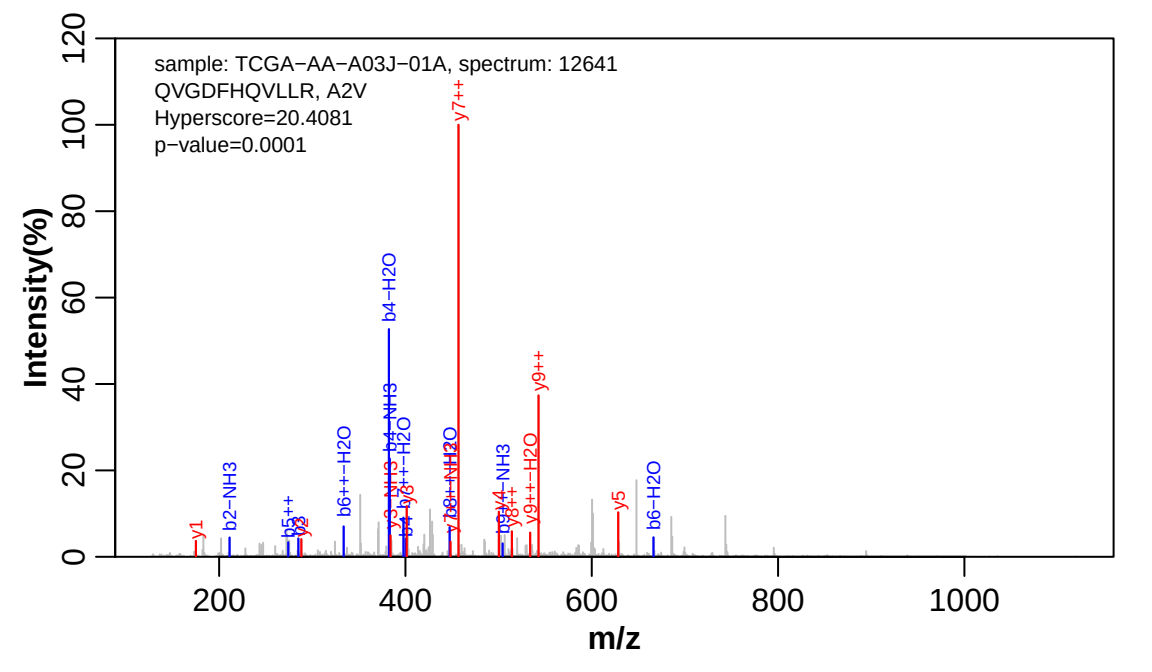

sample: TCGA−AA−A03J−01A, spectrum: 124842
LTPVSAQFQDLEGK, L8F
Hyperscore=14.9752
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
m/z
y6
y7
b9
y8
y9
y10
b11
y12
b12

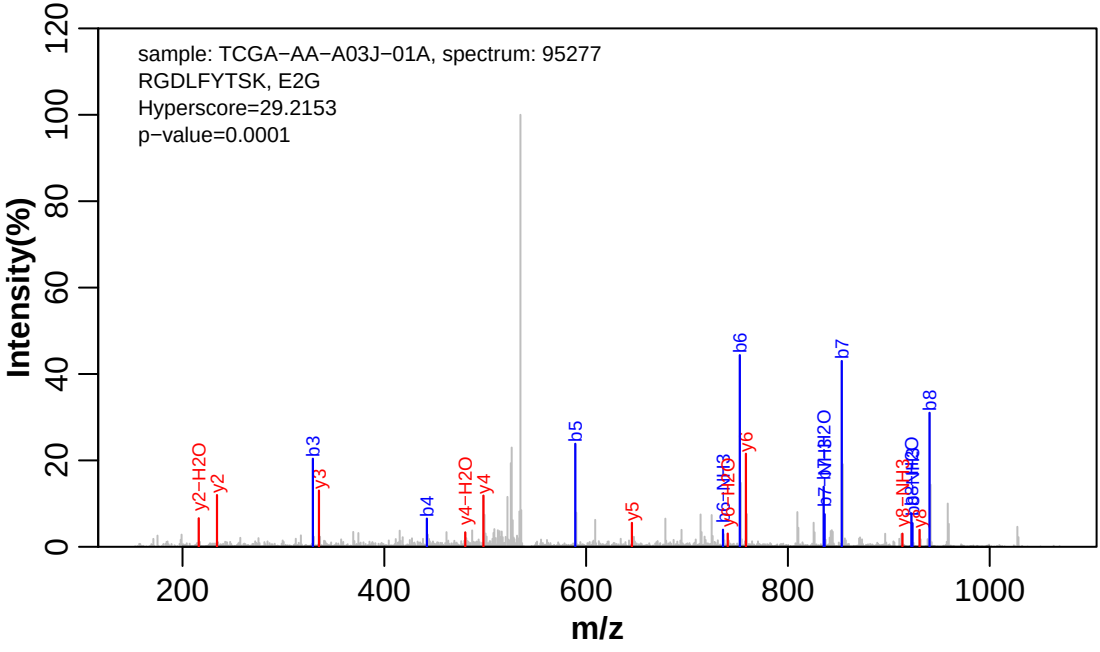

sample: TCGA−AA−A03J−01A, spectrum: 23425
NPLLDLAAYDQEGR, R3L
Hyperscore=59.6920
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y6
y8
y10
y5
b7
b8
b9
y11
y9
b12
b10
b11
y12
b13
b7−NH3
b6−NH3
b6
y7−NH3
y8−H2O
y10−H2O
y11−H2O
y5−H2O
b7−H2O
b5−H2O
b4−NH3
y4−NH3
y4
b5
b4
b3
y3−H2O

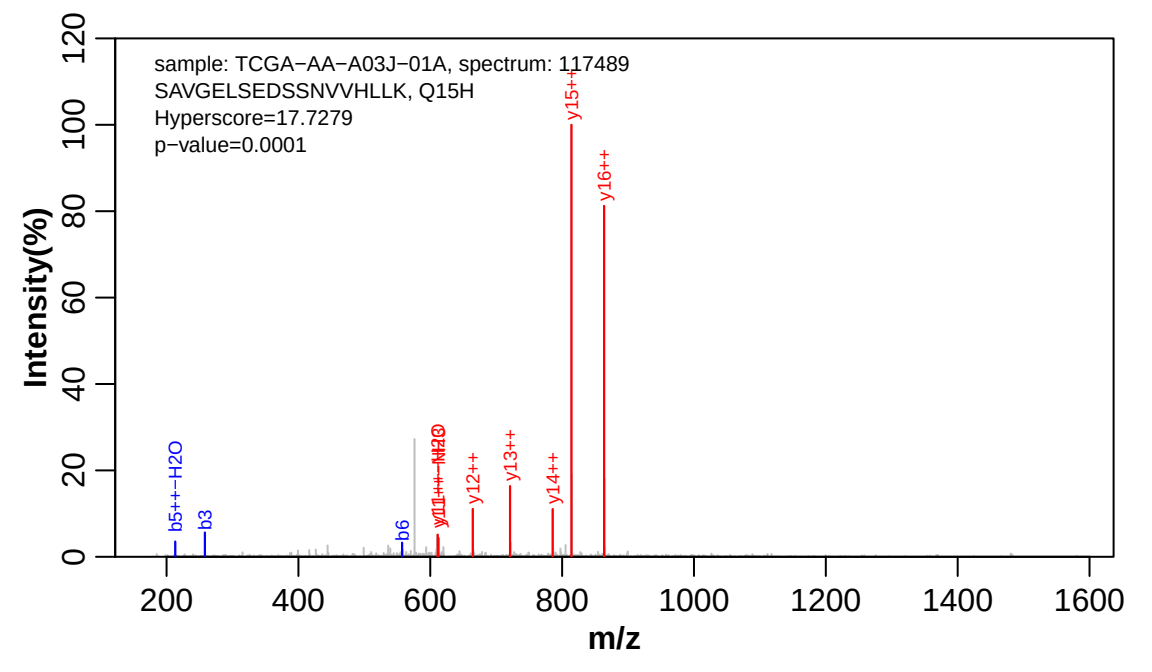

sample: TCGA−AA−A03J−01A, spectrum: 9415
NSTLSEPGSGR, P4L
Hyperscore=29.9986
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
b3−H2O
b3
b4−H2O
b4−NH3
b4
y5
b5
y7
y8
y6
b6
y7−H2O
b9
y9
b10

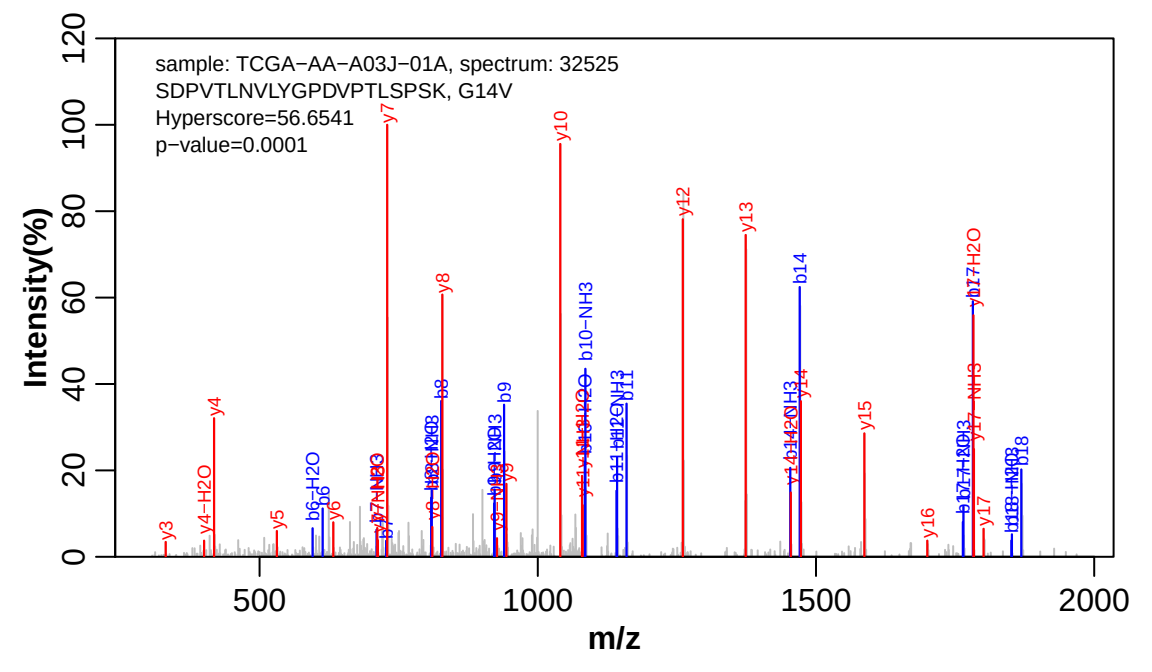

sample: TCGA−AA−A03J−01A, spectrum: 54421
NTNSVPETAPAALPETR, K17R
Hyperscore=15.8170
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y8
y5
b5
b12
b13

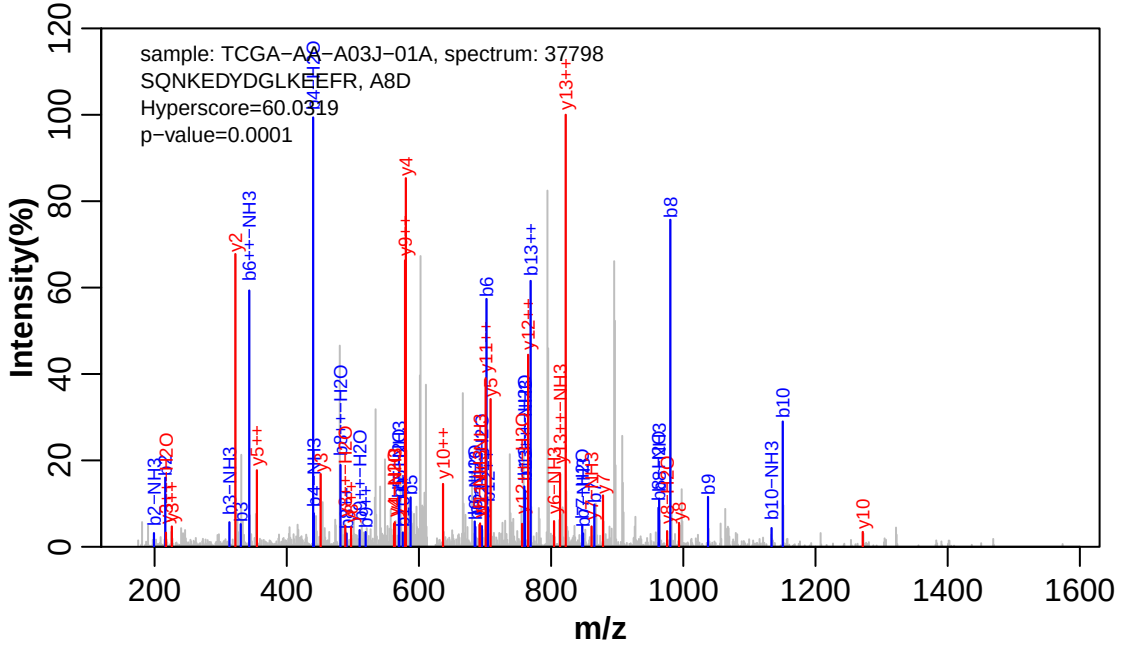

sample: TCGA−AA−A03J−01A, spectrum: 53978
QQPNPGSELCYK, N7S
Hyperscore=16.7856
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b6−NH3
y6
y7
y8
b10−NH3
y10

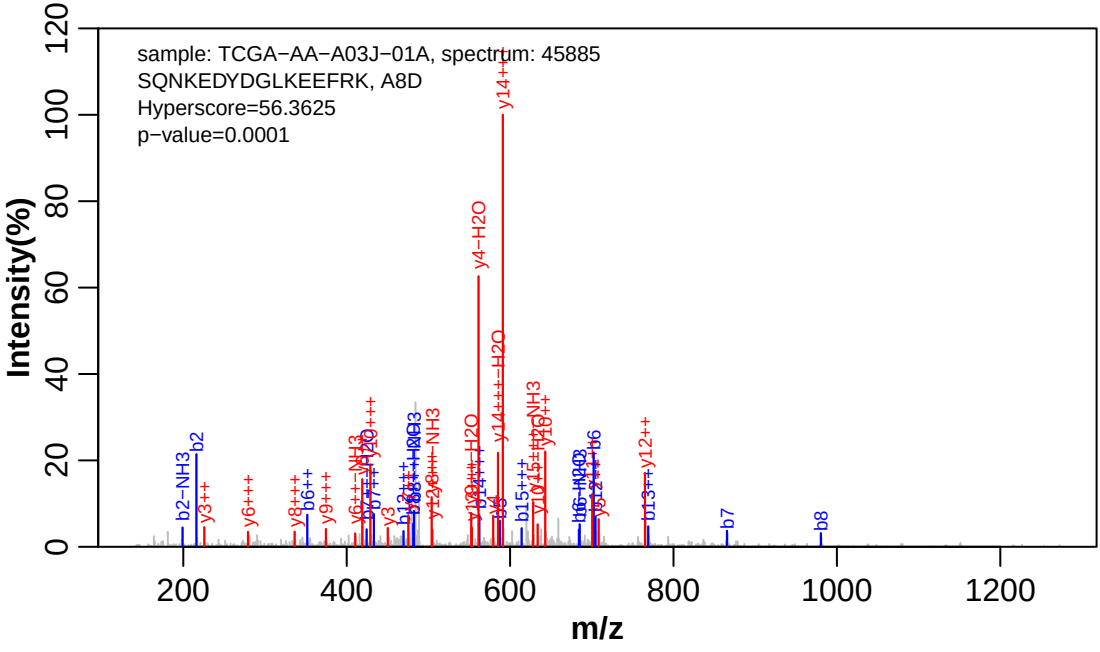

sample: TCGA−AA−A03J−01A, spectrum: 12641
QVGDFHQVLLR, A2V
Hyperscore=20.4081
p−value=0.0001
Intensity(%)
m/z
y7++
b4−H2O
y9++
y1
b2−NH3
b6++−H2O
y5
b6−H2O
y9++−H2O
b4−NH3
y8++−NH3
y8++−H2O
b5++
y3
b4++−H2O
y8++−NH3
b7++−H2O
y8++−H2O
0
20
40
60
80
100
120
200
400
600
800
1000

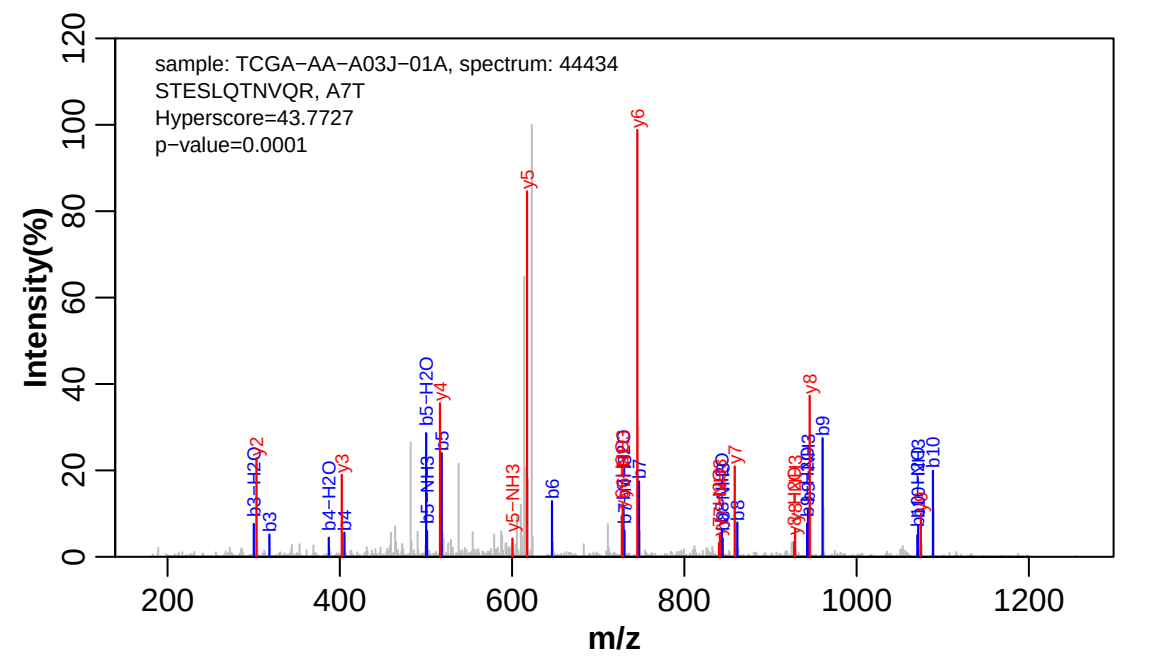

sample: TCGA−AA−A03J−01A, spectrum: 95277
RGDLFYTSK, E2G
Hyperscore=29.2153
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y2−H2O
y2
b3
y3
b4
y4−H2O
y4
b5
y5
b6
y6
b7
b8

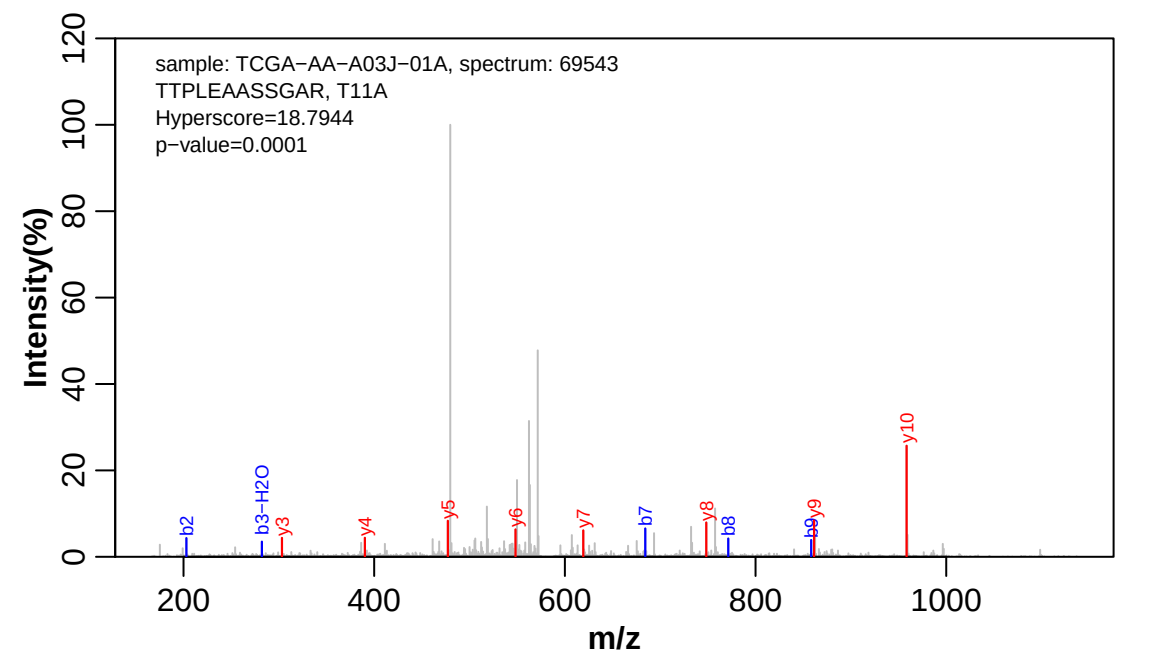

sample: TCGA−AA−A03J−01A, spectrum: 117489
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7279
p−value=0.0001
Intensity(%)
m/z
b5++−H2O
b3
b6
y12++
y13++
y14++
y15++
y16++

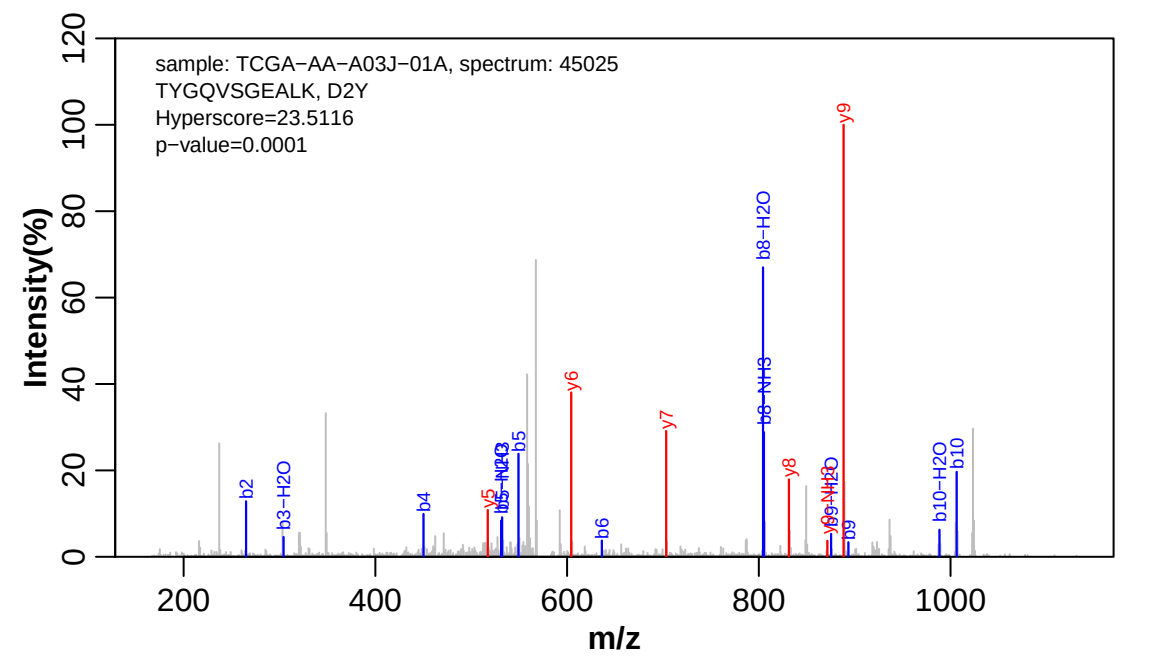

sample: TCGA−AA−A03J−01A, spectrum: 32525
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=56.6541
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y4−H2O
y5
b6−H2O
b6
y6
y7
y8
b8
b9
y9
y10
b10−NH3
y11
y12
y13
b14
y14
y15
y16
y17
y17−NH3
y17−H2O
b18

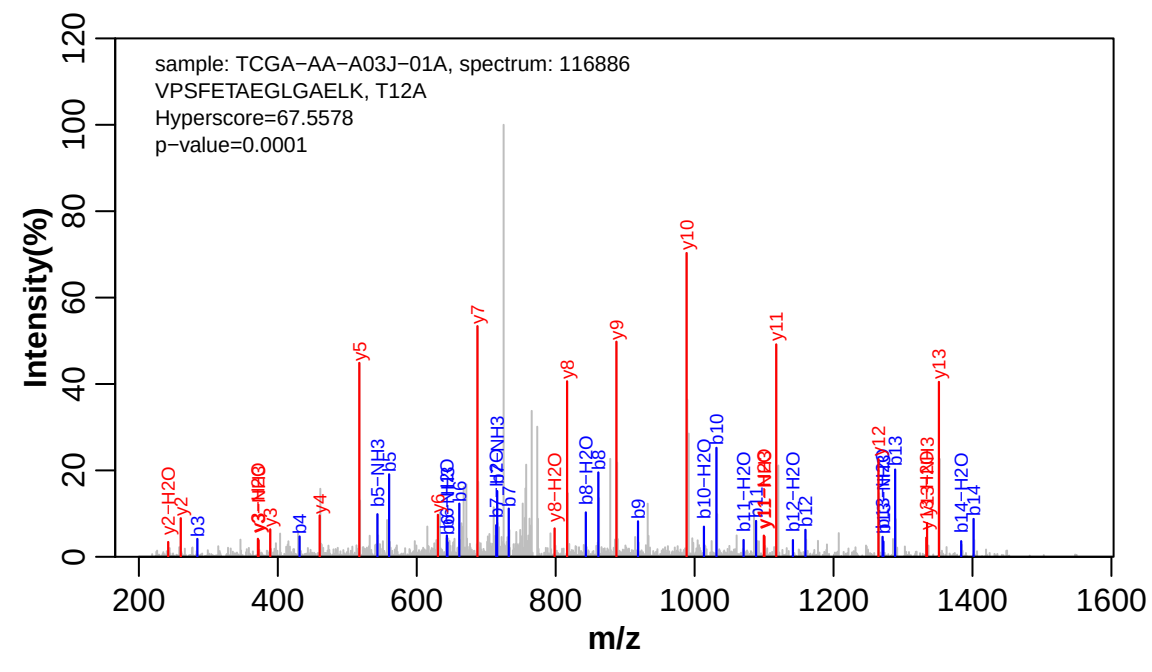

sample: TCGA-AA-A03J-01A, spectrum: 37798
SQNKEDYDGLKEEFR, A8D
Hyperscore=60.0319
p-value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4++-H2O
y2
b6++-NH3
y4
y13++
b8
y9++
b6
y11++
y5
b13++
y12++
y3++
b2-NH3
b3-NH3
b3
y5++
b4-NH3
y3
b5-H2O
b9++-H2O
y10++
y6-NH3++-NH3
b10
b10-NH3
b9
y10

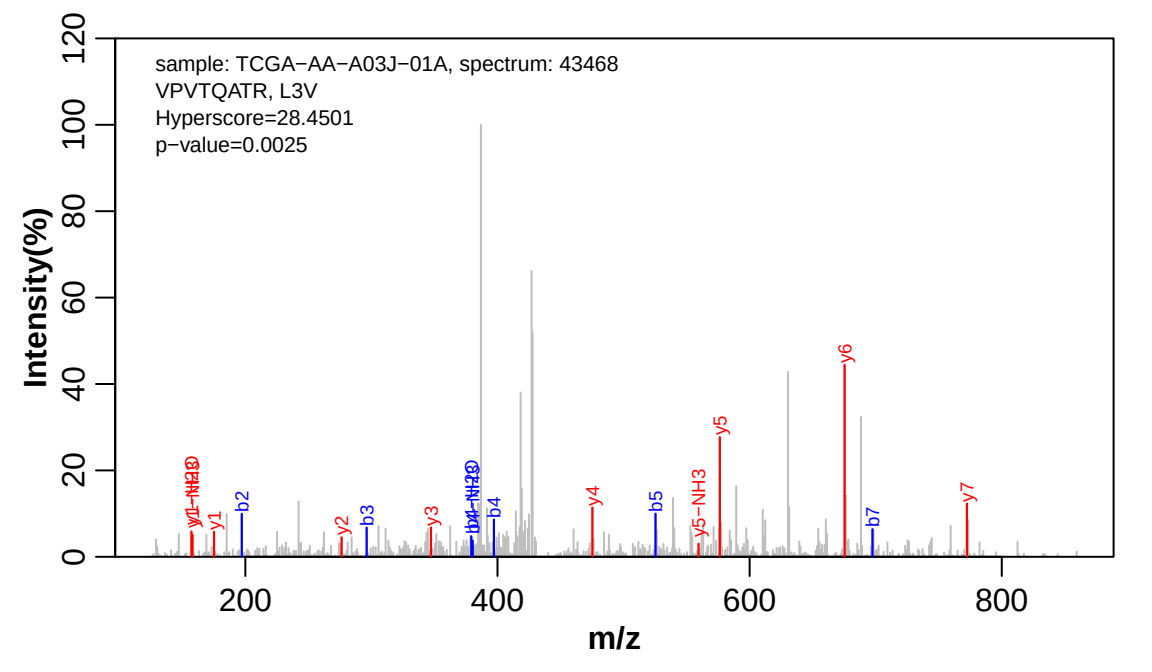

sample: TCGA−AA−A03J−01A, spectrum: 45885
SQNKEDYDGLKEEFRK, A8D
Hyperscore=56.3625
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y14+++
y4−H2O
y14+++−H2O
b2−NH3
b2
y3++
y6+++
y8+++
b6++
y9+++
b15+++
y12++
b7
b8

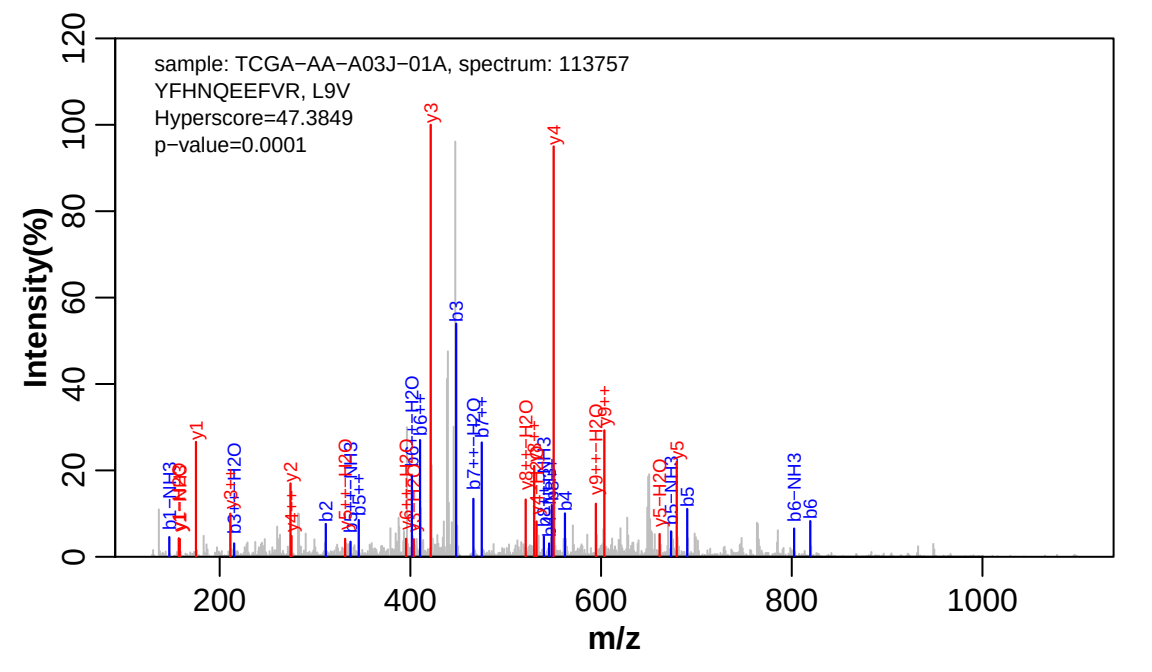

sample: TCGA−AA−A03J−01A, spectrum: 44434
STESLQTNVQR, A7T
Hyperscore=43.7727
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y8
b9
b10
y4
b5−H2O
b5
b5−NH3
y3
b4−H2O
b4
b3−H2O
y2
b3
y5−NH3
b6
b7
y7
b8

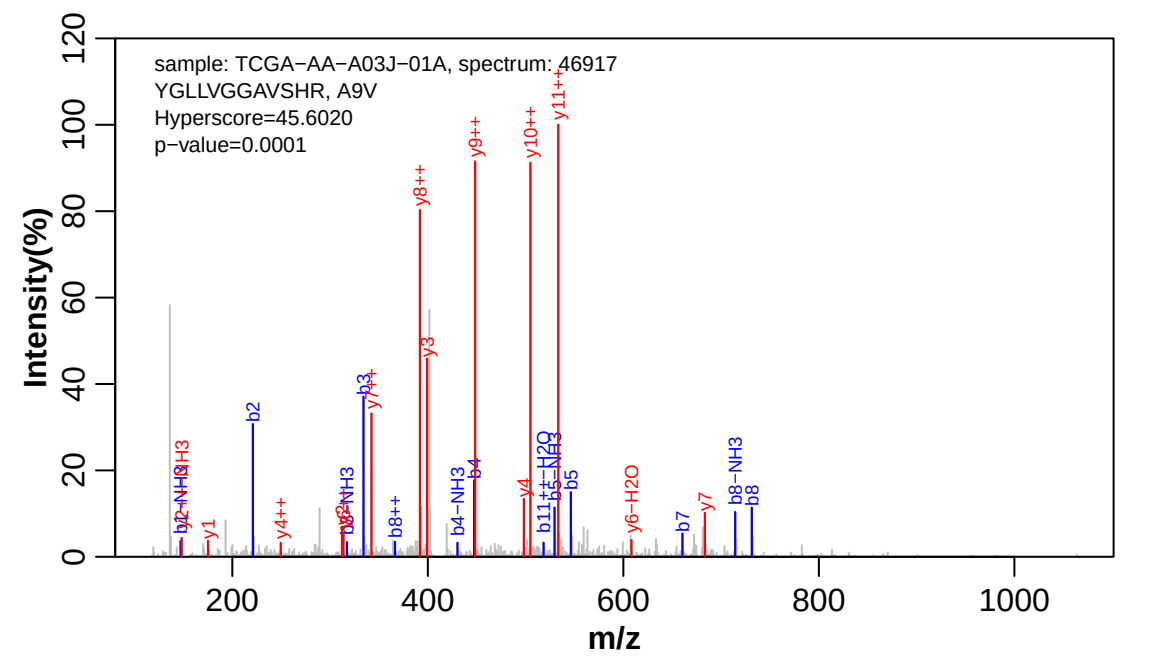

sample: TCGA−AA−A03J−01A, spectrum: 69543
TTPLEAASSGAR, T11A
Hyperscore=18.7944
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3−H2O
y3
y4
y5
y6
y7
b7
y8
b8
b9
y9
y10

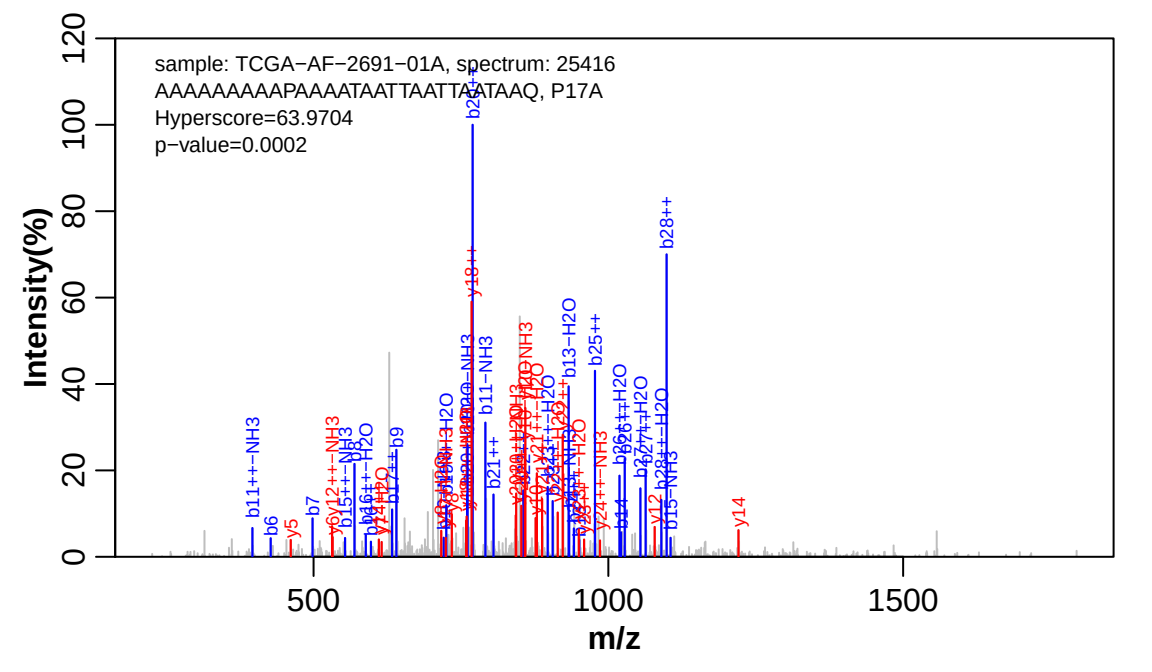

sample: TCGA−AA−A03J−01A, spectrum: 45025
TYGQVSGEALK, D2Y
Hyperscore=23.5116
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b4
y5
b5
b6
y6
y7
b8−H2O
b8−NH3
y8
y9
b10−H2O
b10

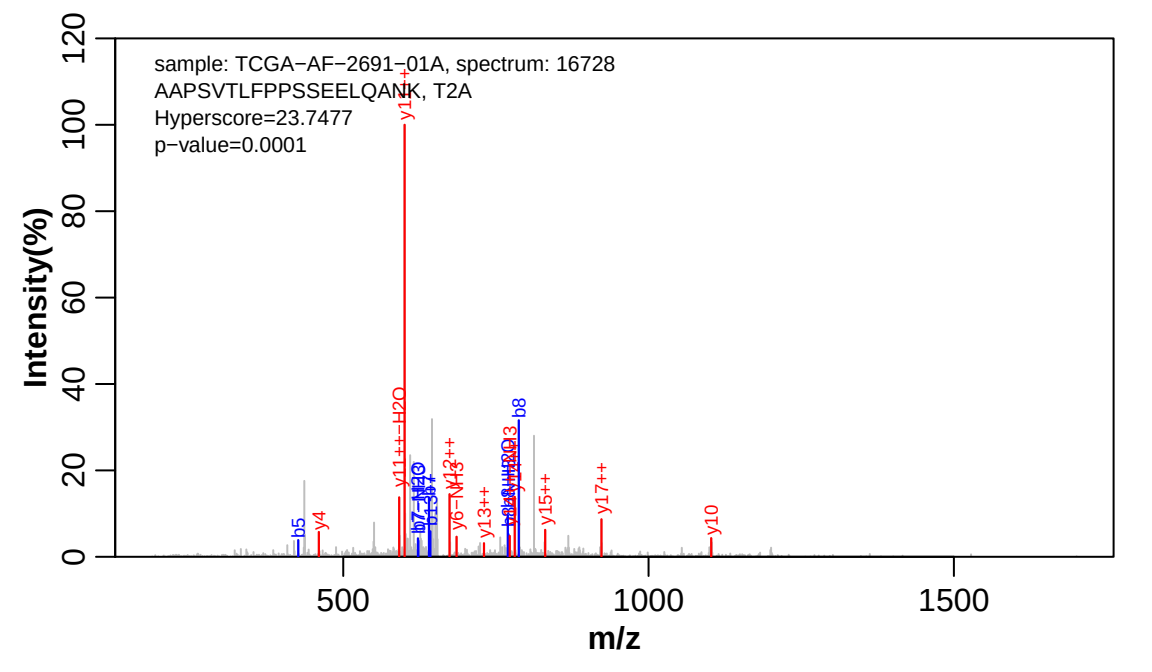

sample: TCGA−AA−A03J−01A, spectrum: 116886
VPSFETAEGLGAELK, T12A
Hyperscore=67.5578
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2−H2O
y2
b3
y3
b4
y4
b5−NH3
b5
y5
b6
y7
b7
y8−H2O
y8
b8−H2O
b8
y9
b9
y10
b10−H2O
b10
b11−H2O
y11
b12−H2O
b12
b13
y13
b14−H2O
b14

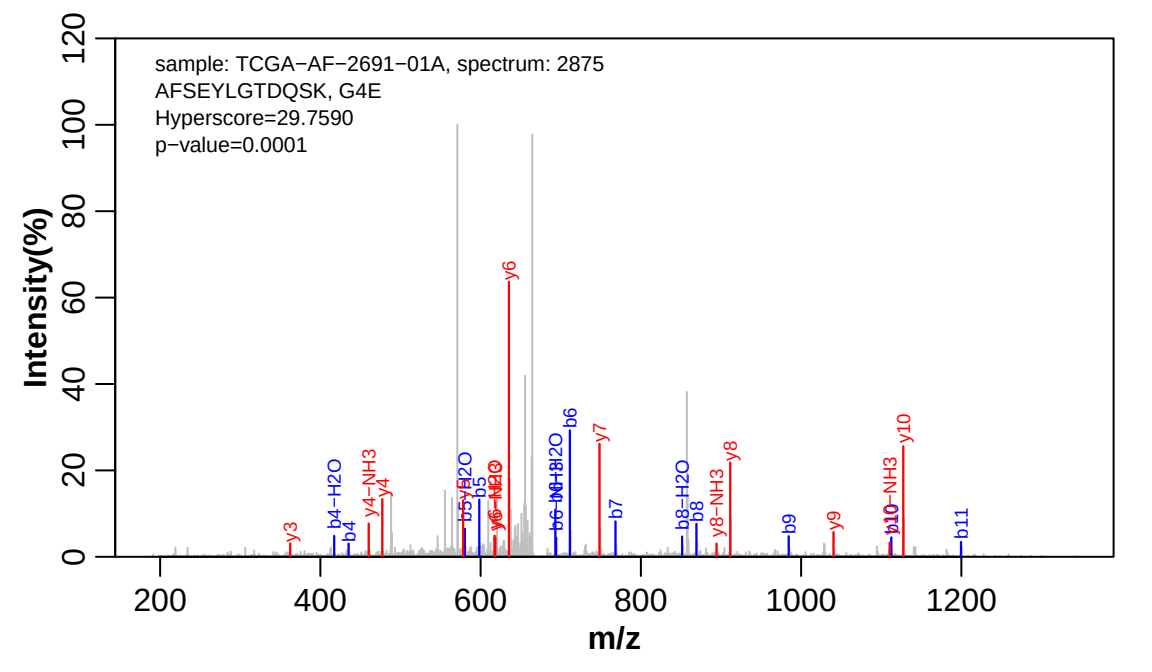

sample: TCGA−AA−A03J−01A, spectrum: 43468
VPVTQATR, L3V
Hyperscore=28.4501
p−value=0.0025
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1−NH3
y1
b2
y2
b3
y3
b4−NH3
b4
y4
b5
y5−NH3
y5
y6
b7
y7

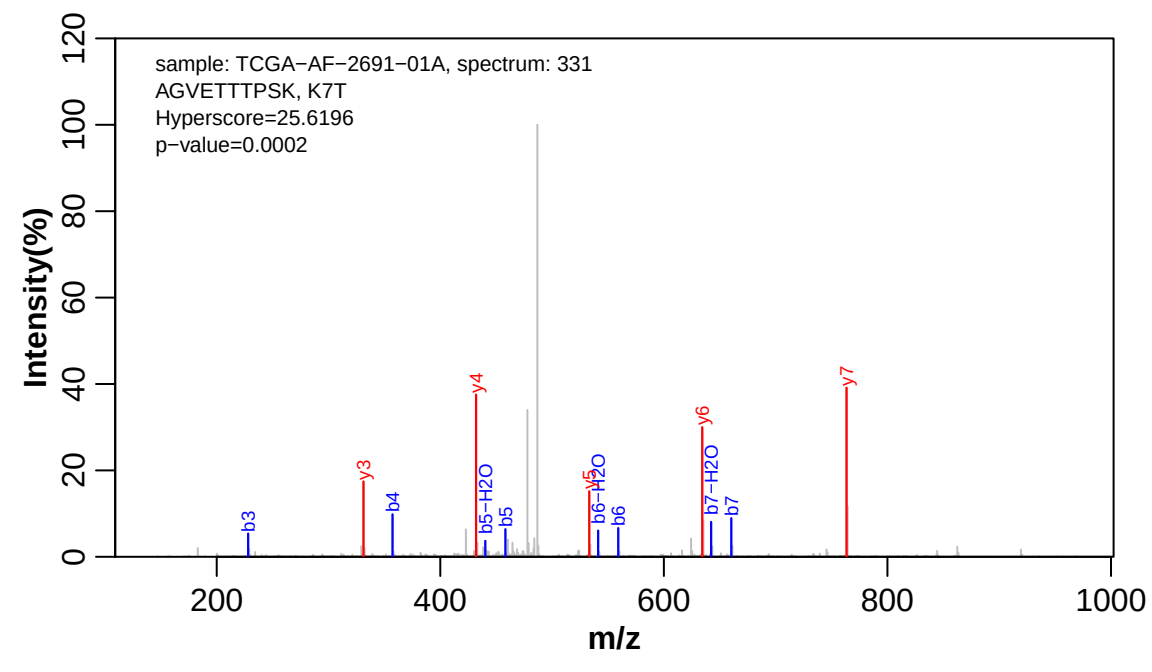

sample: TCGA−AA−A03J−01A, spectrum: 113757
YFHNQEEFVR, L9V
Hyperscore=47.3849
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y3
y4
b3
y1
b2
b4
b5
b6
y5
b6−NH3
y1−NH3
b3*−H2O
y4++−y2
b2−NH3
b6*−H2O
b7++−H2O
b7*−H2O
y9++−H2O
y9++
y5−H2O
y5−NH3
b6−NH3

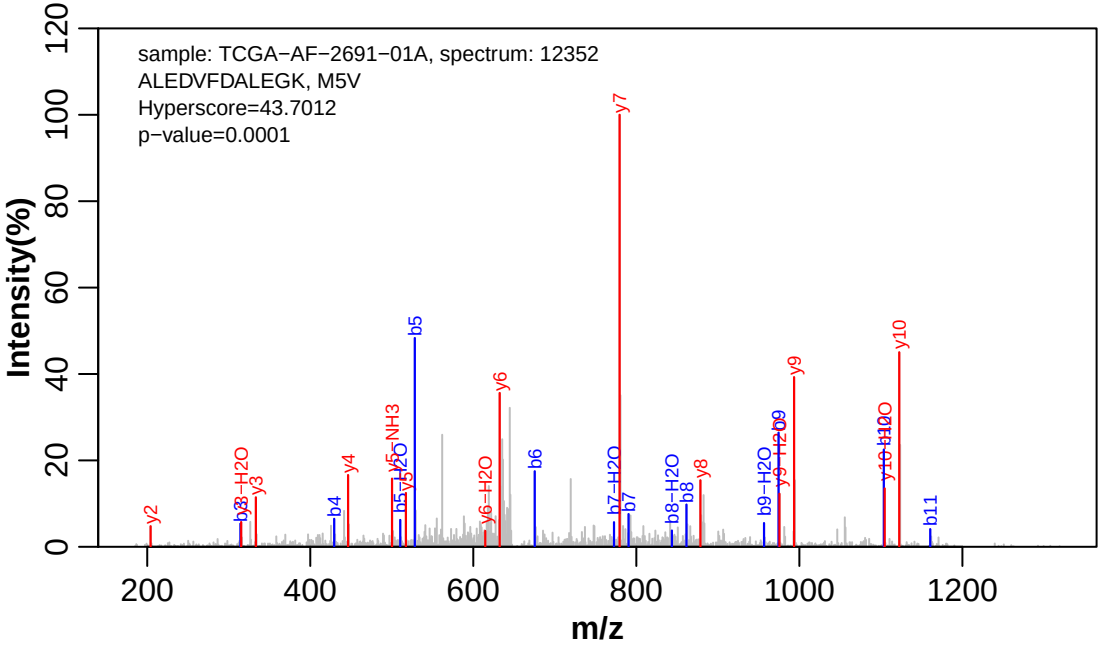

sample: TCGA−AA−A03J−01A, spectrum: 46917
YGLLVGGAVSHR, A9V
Hyperscore=45.6020
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y11++
y10++
y9++
y8++
y3
b2
y4++
y1
b2−NH3
b3
y7++
b3−NH3
b8++
b4−NH3
b4
y4
b11++−H2O
b5−NH3
b5
y6−H2O
b7
y7
b8−NH3
b8

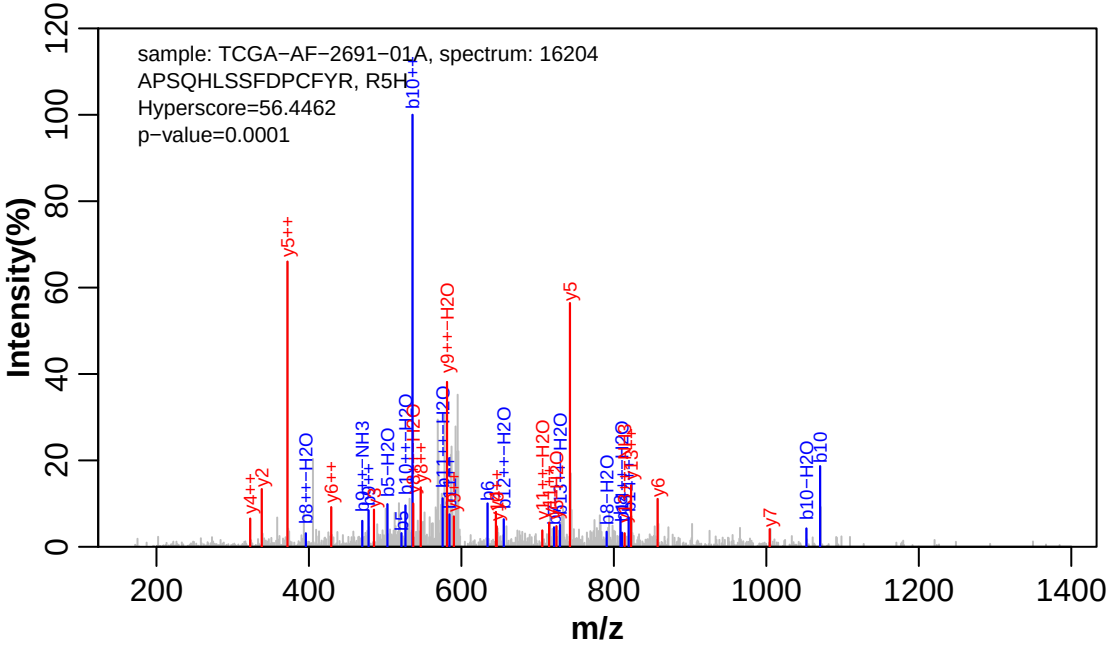

sample: TCGA−AF−2691−01A, spectrum: 25416
AAAAAAAAAPAAAATAATTAATTATAAQ, P17A
Hyperscore=63.9704
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
y18++
b11++−NH3
b6
y5
b7
y6y12++−NH3
b15++−NH3
b8
b14++−H2O
b9
b17++
b11−NH3
b21++
b13−H2O
b25++
b28++
y24++−NH3
b14
b26++−H2O
b27++−H2O
y12
b15
b24++−H2O
y14

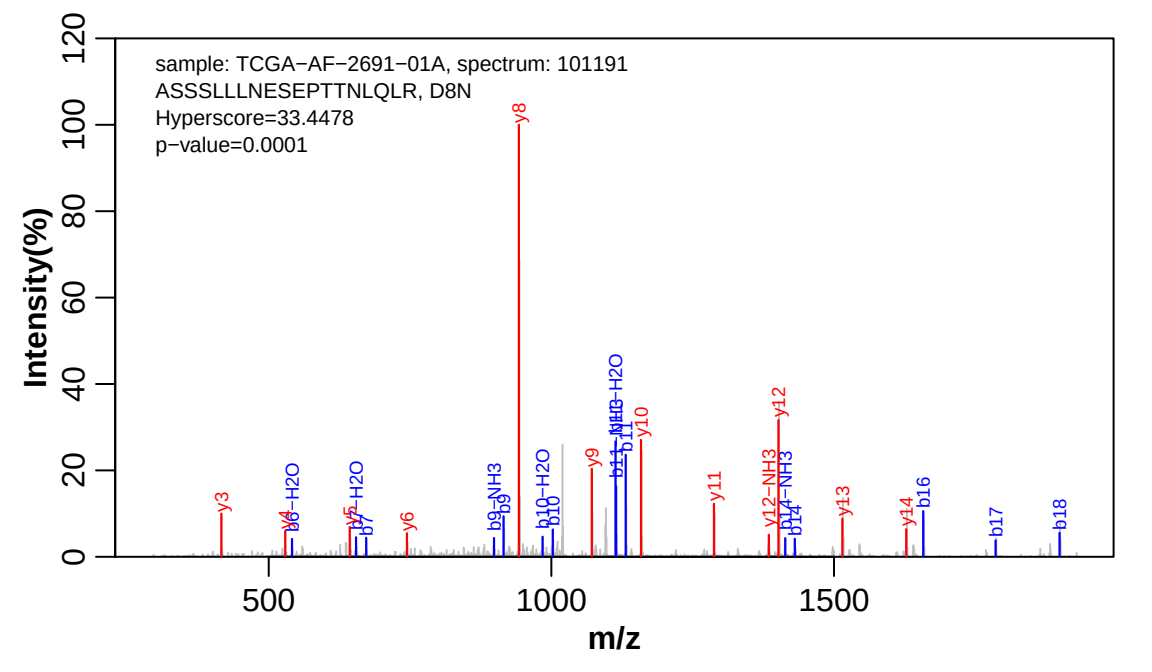

sample: TCGA−AF−2691−01A, spectrum: 16728
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=23.7477
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++−H2O
y11++
y6−NH3
y12++
y13++
b8
y15++
y17++
y10
b5
y4

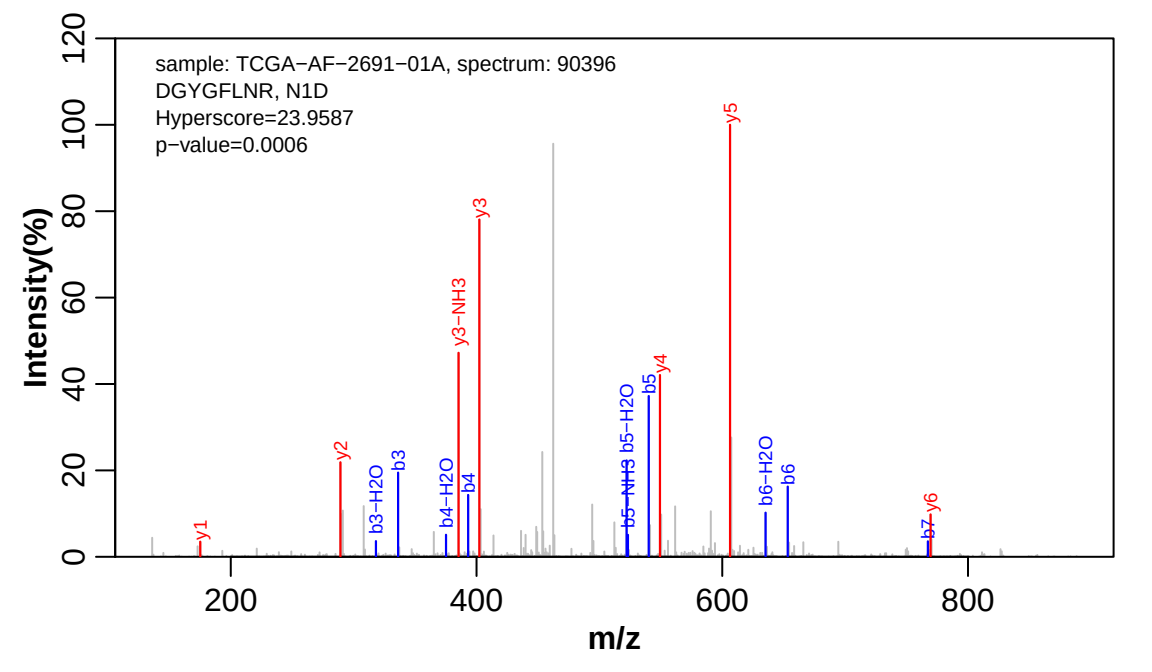

sample: TCGA−AF−2691−01A, spectrum: 2875
AFSEYLGTDQSK, G4E
Hyperscore=29.7590
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y3
b4−H2O
b4
y4−NH3
y4
b5−H2O
b5
y6
b6
y7
b7
b8−H2O
b8
y8−NH3
y8
b9
y9
y10−NH3
y10
b11

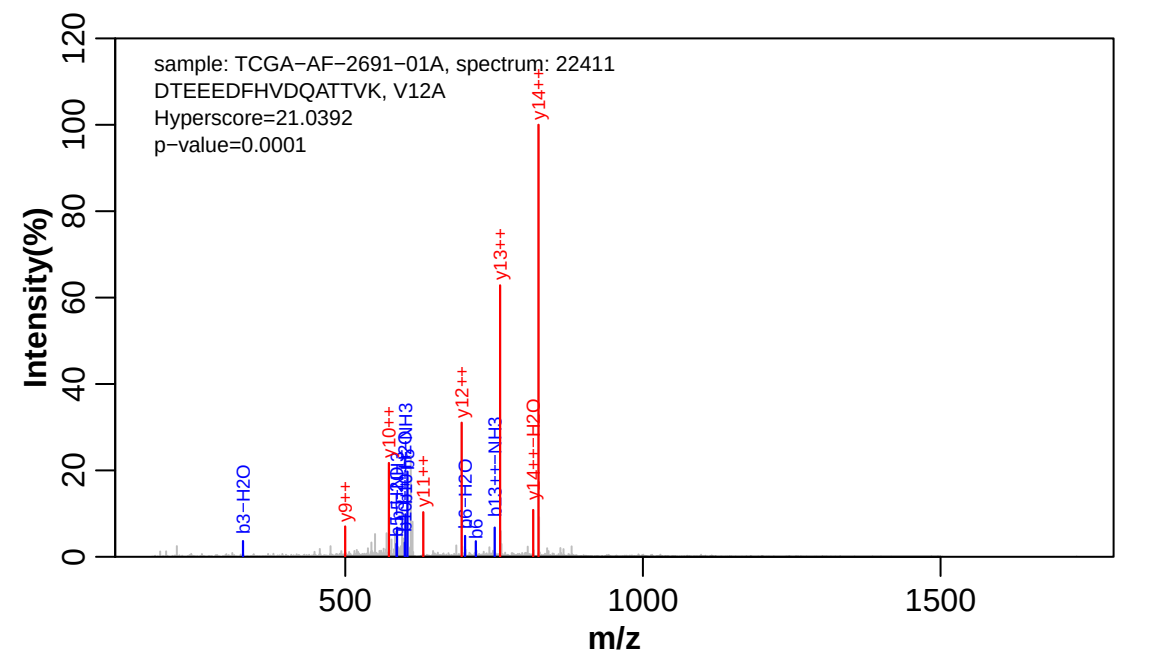

sample: TCGA−AF−2691−01A, spectrum: 331
AGVETTTPSK, K7T
Hyperscore=25.6196
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7

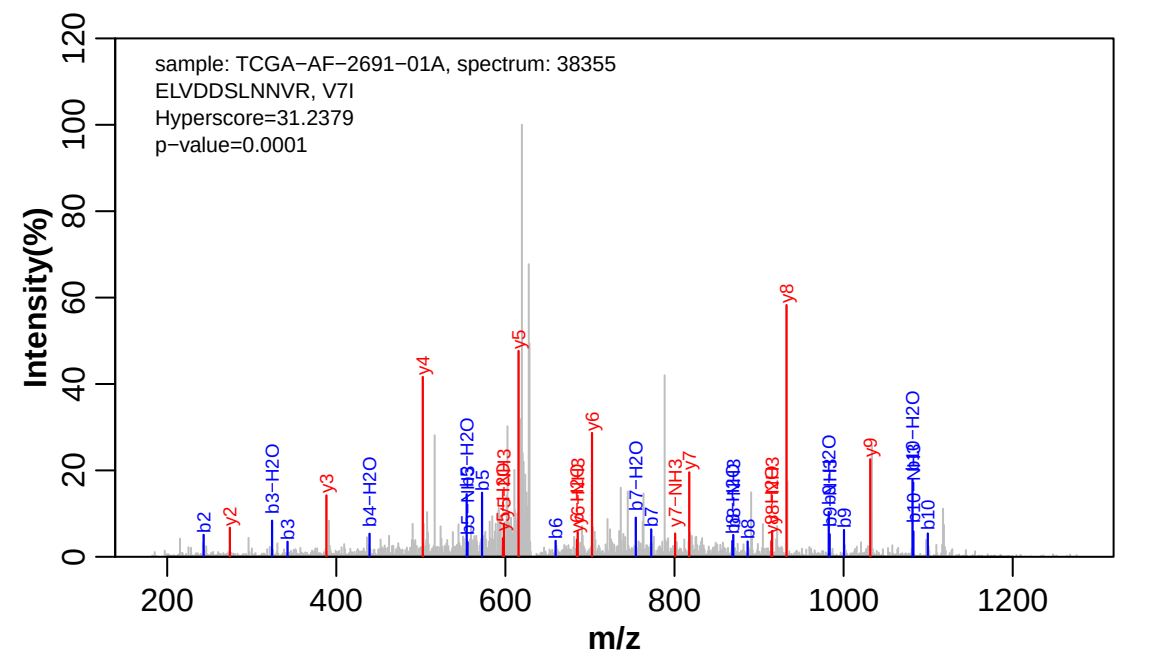

sample: TCGA−AF−2691−01A, spectrum: 12352
ALEDVFDALEGK, M5V
Hyperscore=43.7012
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4
y4
y5−NH3
b5−H2O
y5
b5
y6−H2O
y6
b6
b7−H2O
b7
y7
b8−H2O
b8
y8
b9−H2O
y9−H2O
y9
y10−H2O
y10
b11

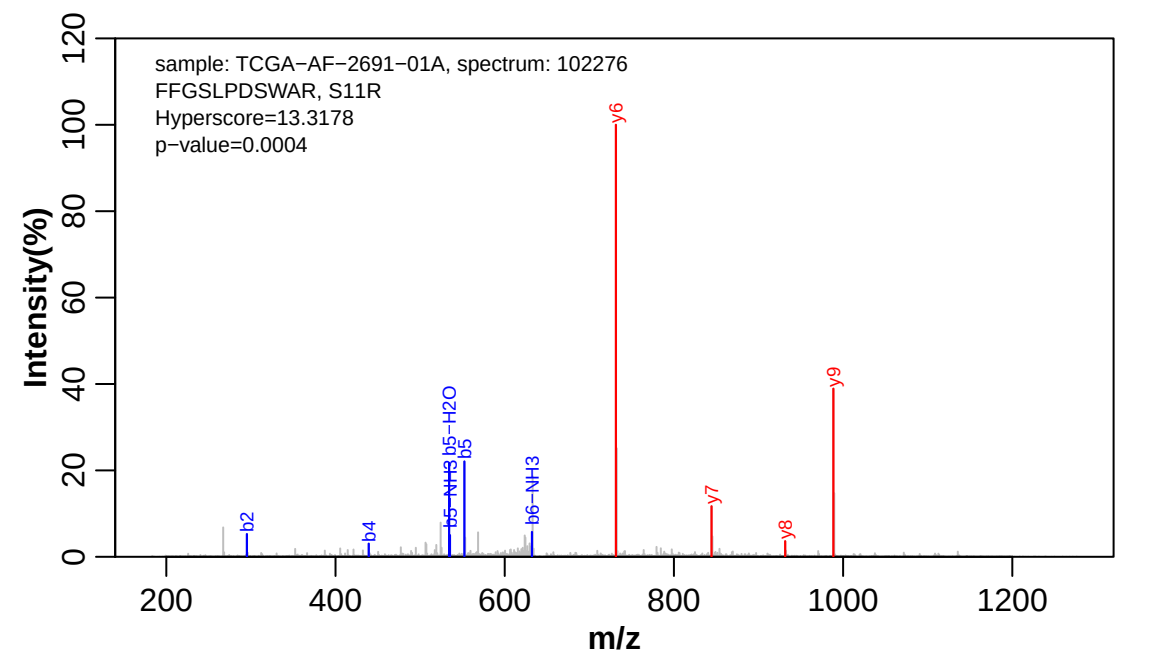

sample: TCGA−AF−2691−01A, spectrum: 16204
APSQHLSSFDPCFYR, R5H−
Hyperscore=56.4462
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b10++
y5++
y9++−H2O
y5
y6
b10
b10−H2O
y7
y6++
b8++−H2O
y4++
y2
b8−H2O
b6
y12++−H2O
b5−H2O
b5
b8++−NH3
y8++−H2O
b11++−H2O

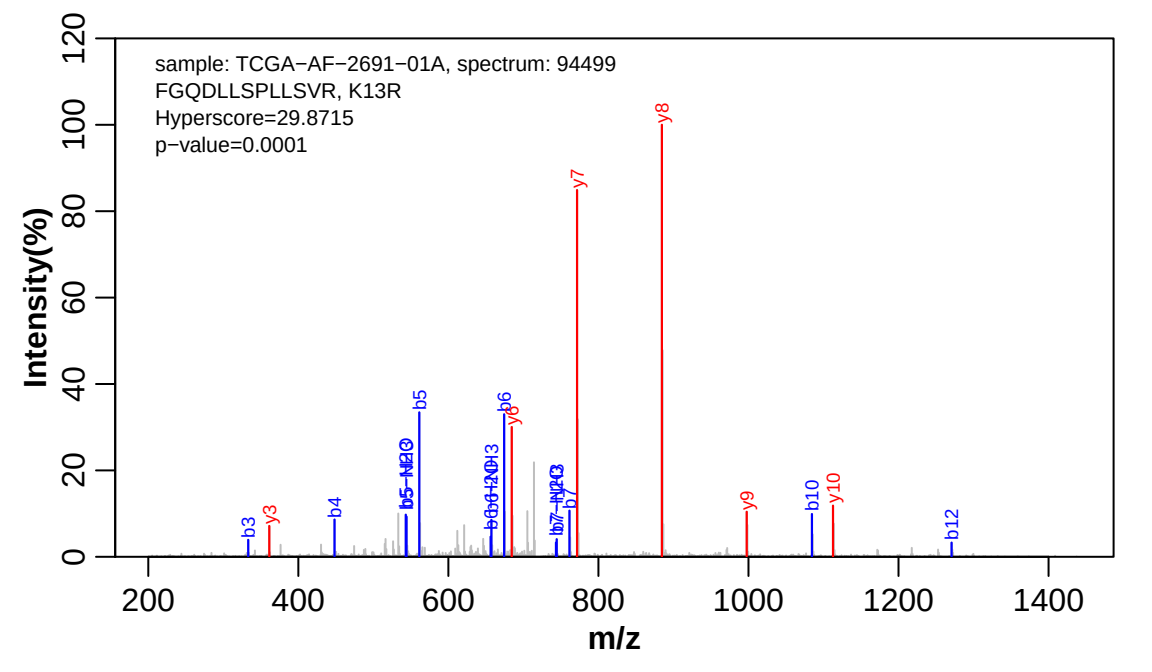

sample: TCGA−AF−2691−01A, spectrum: 101191
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=33.4478
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4−H2O
b6−H2O
y5−H2O
b7
y6
b9−NH3
b9
b10−H2O
b10
y9
b11−NH3−H2O
b11
y8
y10
y11
y12−NH3
y12
b14−NH3
b14
y13
y14
b16
b17
b18

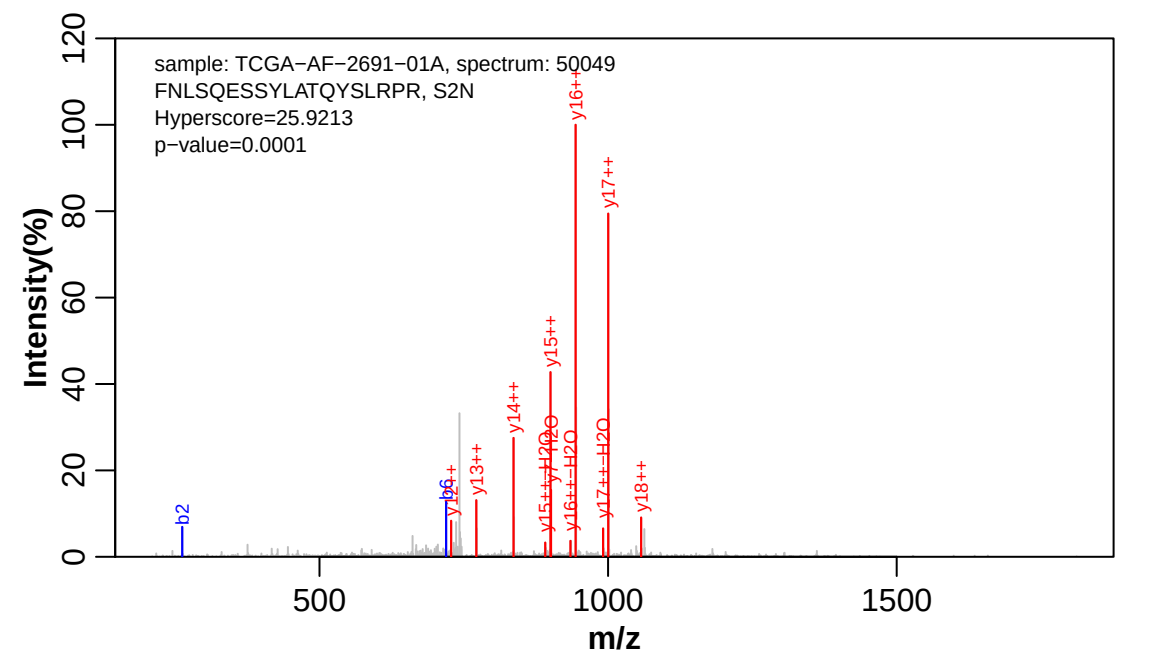

sample: TCGA−AF−2691−01A, spectrum: 90396
DGYGFLNR, N1D
Hyperscore=23.9587
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

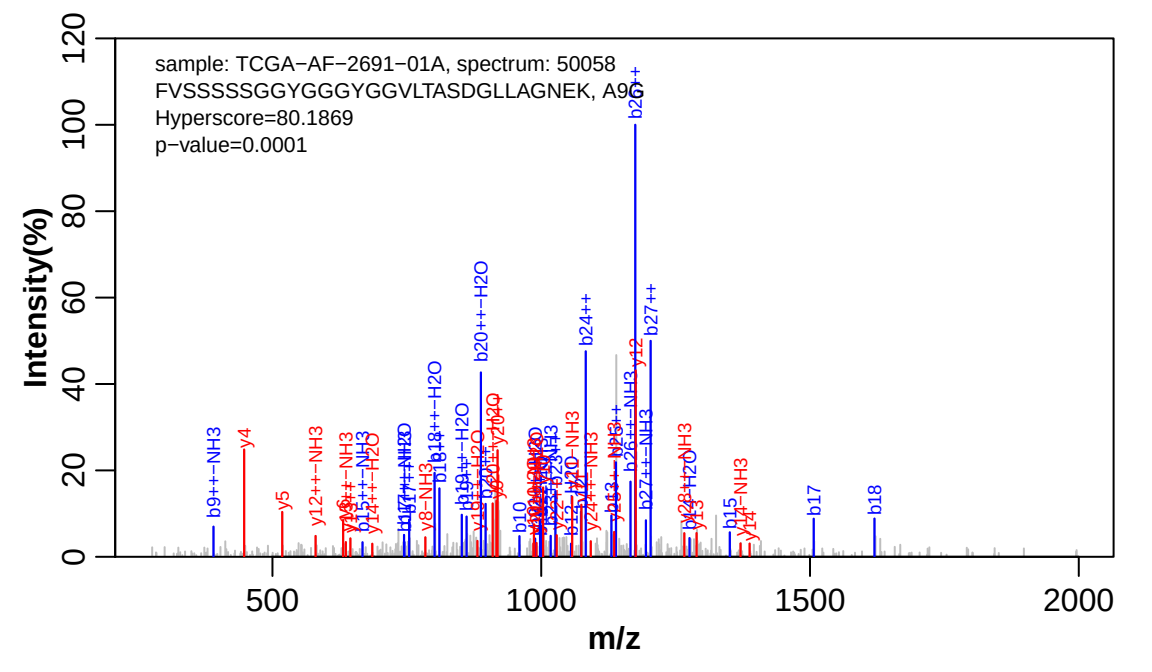

sample: TCGA−AF−2691−01A, spectrum: 22411
DTEEEDFHVDQATTVK, V12A
Hyperscore=21.0392
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
y9++
y11++
y10++
y12++
b6−H2O
b6
y13++
b13++−NH3
y14++−H2O
y14++

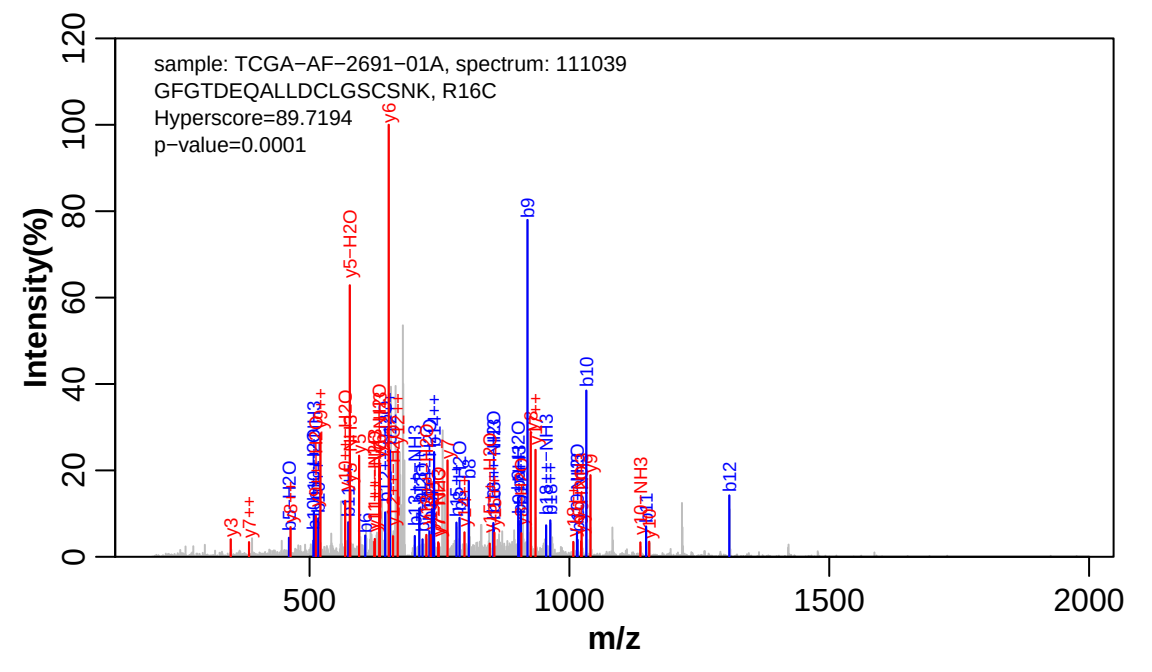

sample: TCGA−AF−2691−01A, spectrum: 38355
ELVDDSLNNVR, V7I
Hyperscore=31.2379
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
y4
b5−NH3
b5−H2O
b5
y5
b6
y6
b7−H2O
b7
y7−NH3
y7
y8
y9
b9
b10−H2O
b10

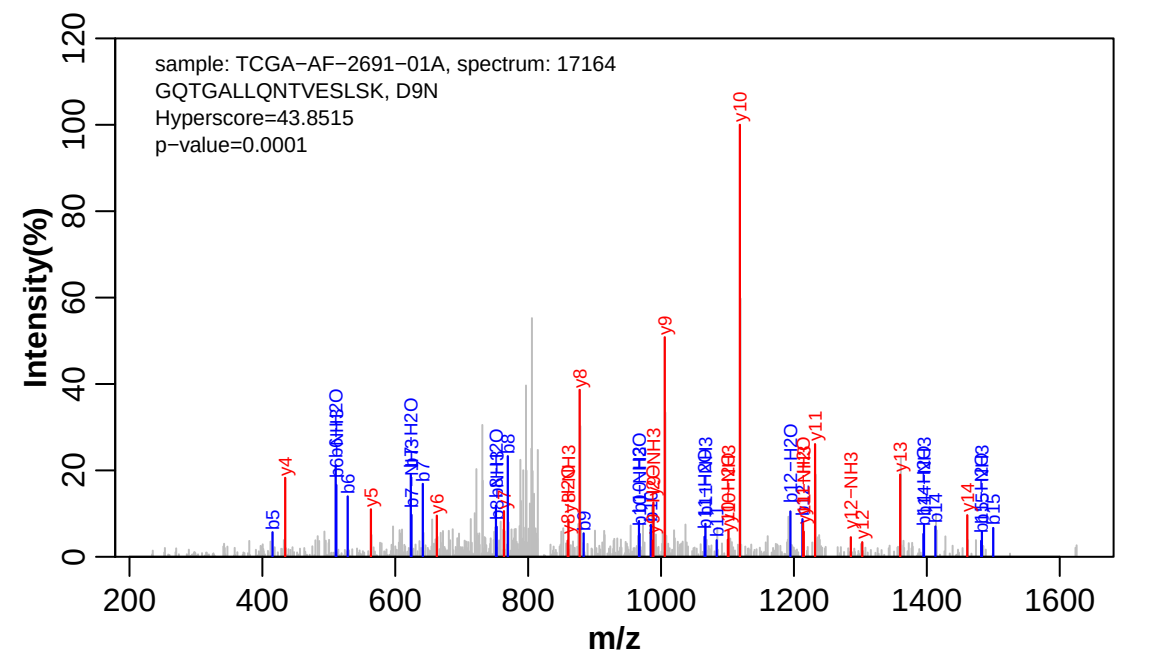

sample: TCGA−AF−2691−01A, spectrum: 102276
FFGSLPDSWAR, S11R
Hyperscore=13.3178
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

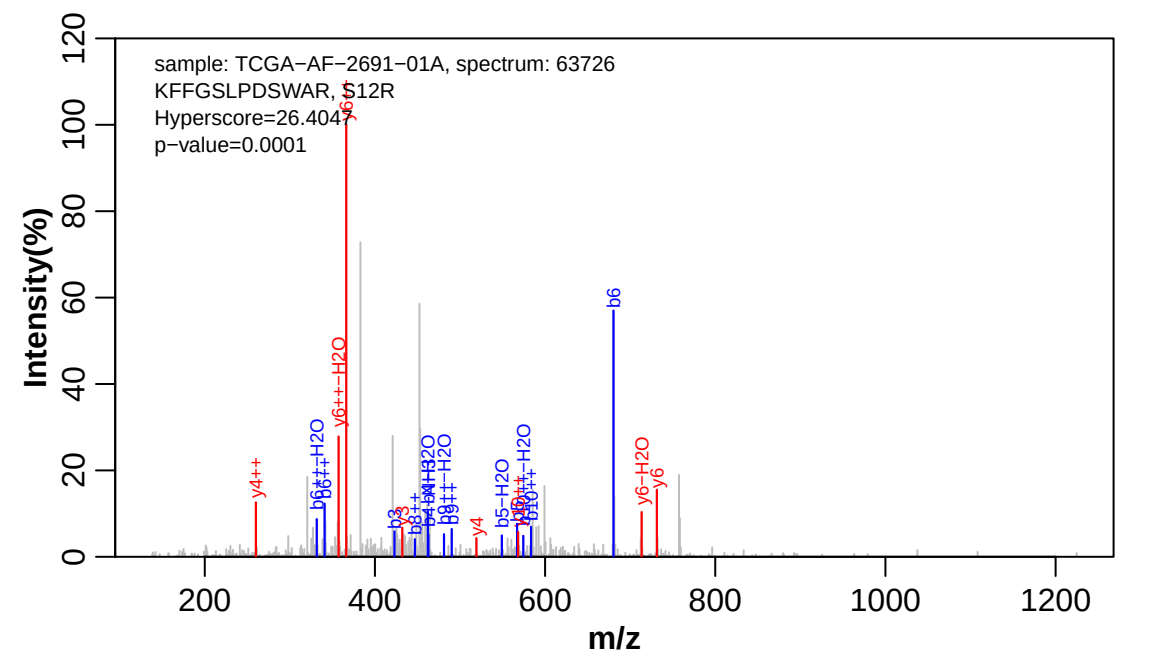

sample: TCGA−AF−2691−01A, spectrum: 94499
FGQDLLSPLLSVR, K13R
Hyperscore=29.8715
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4
b5
b6
y6
y7
y8
y9
b10
y10
b12

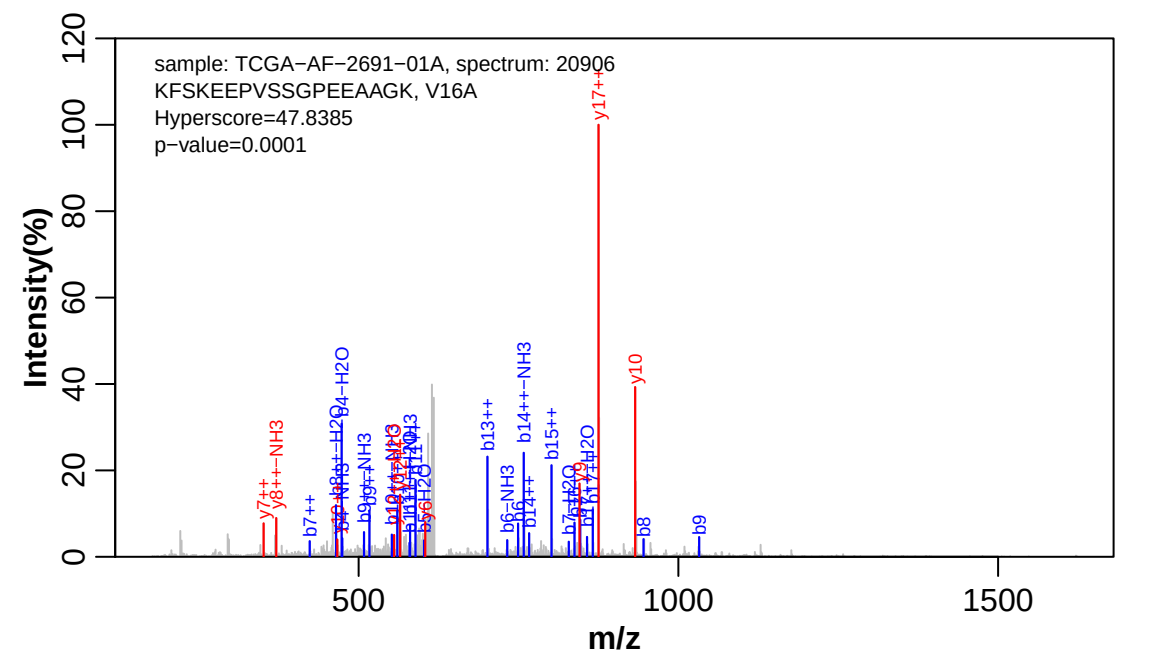

sample: TCGA−AF−2691−01A, spectrum: 50049
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=25.9213
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b6
y12++
y13++
y14++
y15++−H2O
y15++
y16++−H2O
y16++
y17++−H2O
y17++
y18++

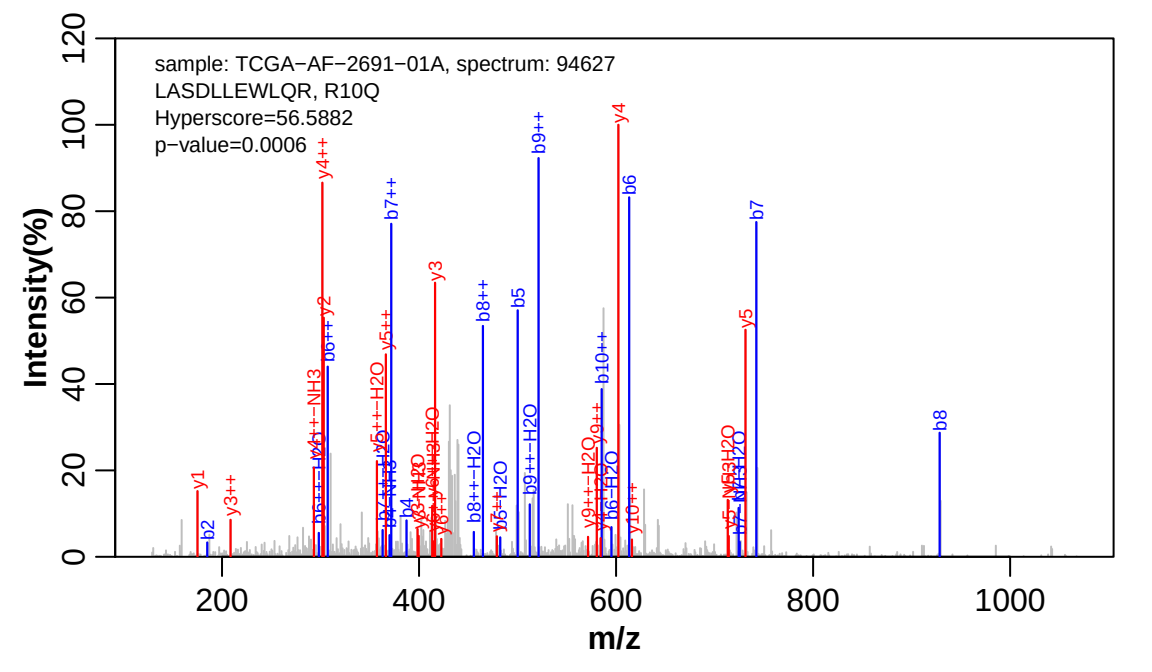

sample: TCGA−AF−2691−01A, spectrum: 50058
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=80.1869
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y12++−NH3
b20++−H2O
b24++
b27++
y12++
b26++
b17
b18
y14++−NH3

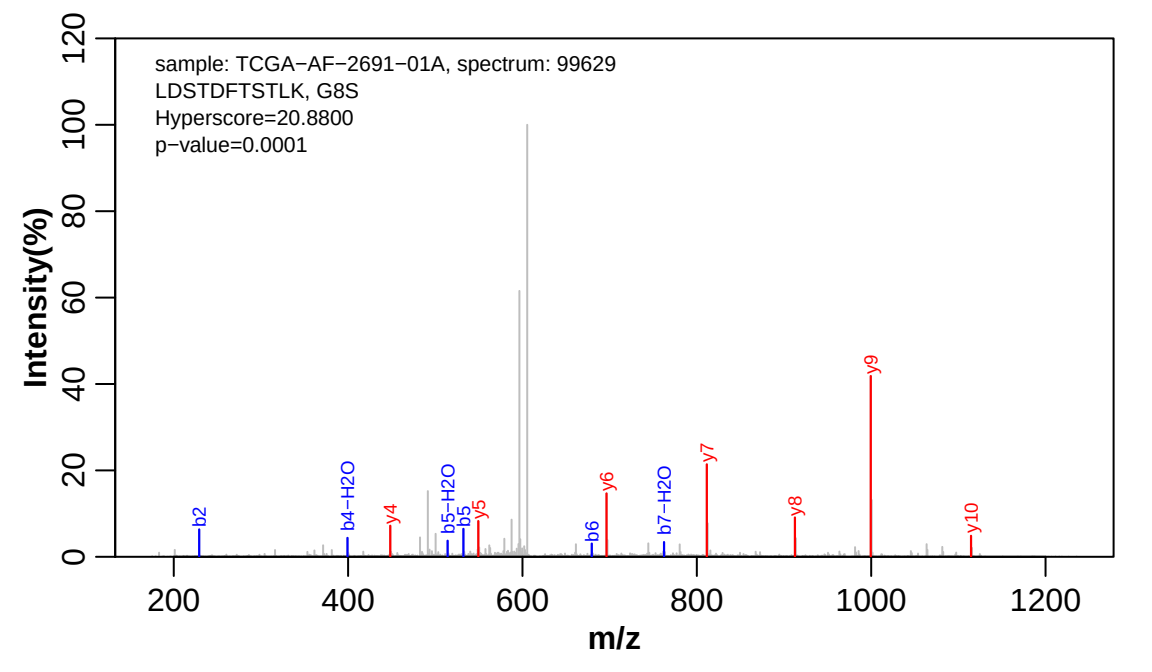

sample: TCGA−AF−2691−01A, spectrum: 111039
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=89.7194
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6
y5−H2O
b9
b10
b12
y3
y7++
b8−H2O
b8
b5−H2O
b5
y10−NH3
y11
b18++−NH3

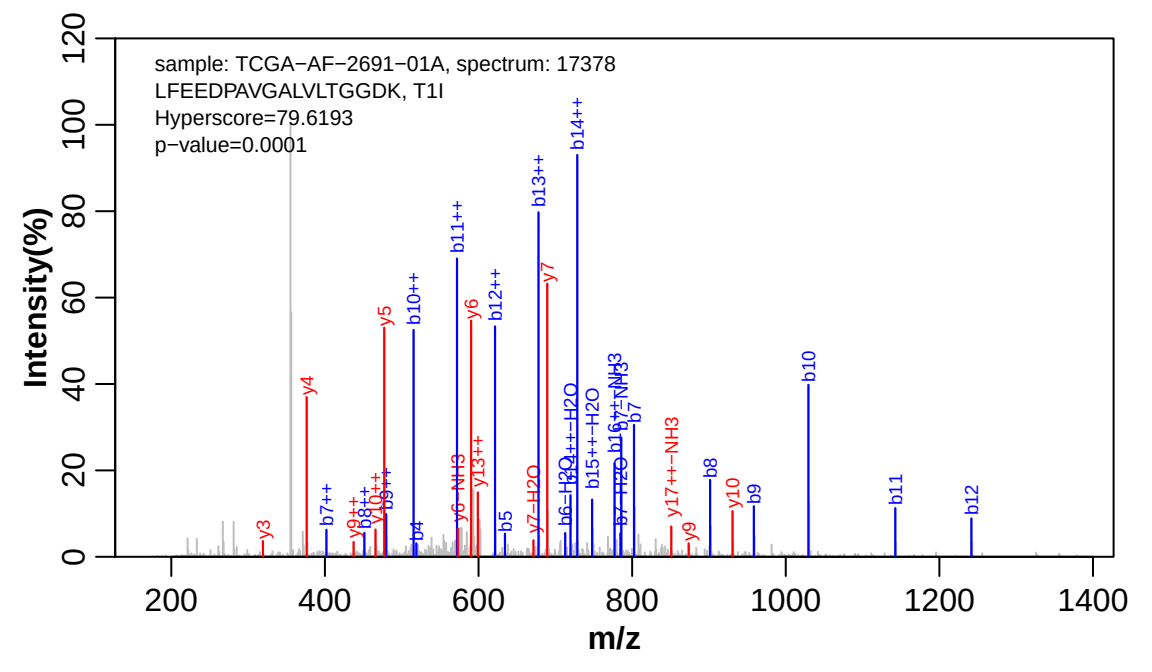

sample: TCGA−AF−2691−01A, spectrum: 17164
GQTGALLQNTVESLSK, D9N
Hyperscore=43.8515
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y4
y5
y6
y13
y14
y12−NH3
y12−H2O
b5
b6
b7
b8
b9
b14
b15

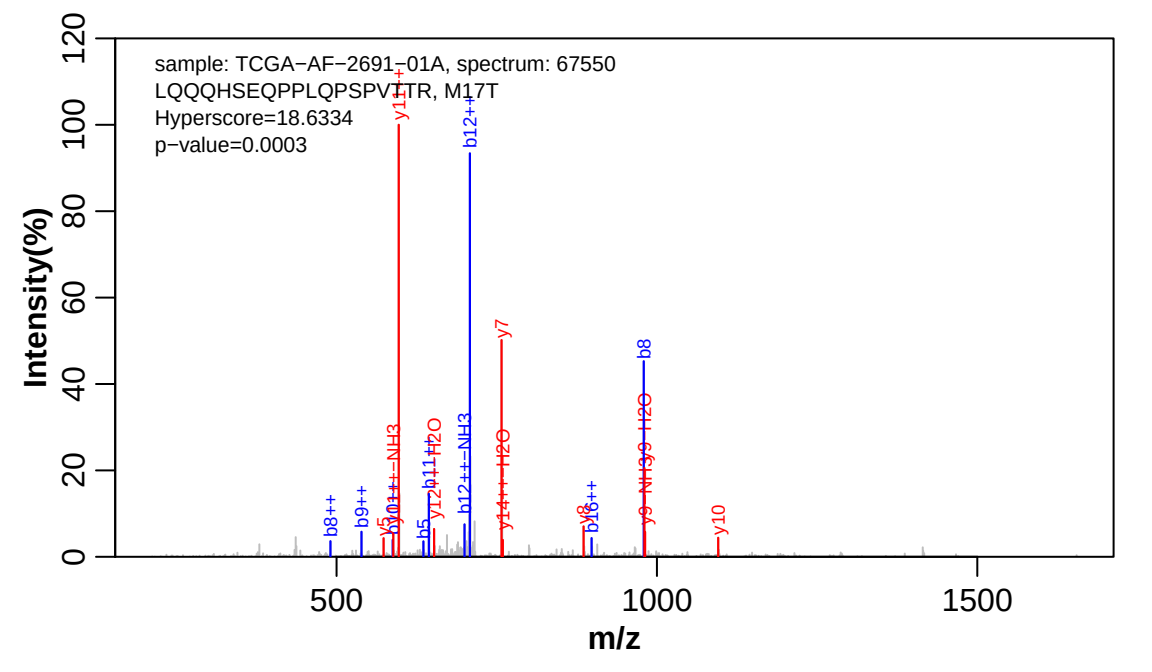

sample: TCGA−AF−2691−01A, spectrum: 63726
KFFGSLPDSWAR, S12R
Hyperscore=26.4047
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6++
y6++−H2O
y4++
b6++−H2O
b6++
b6
y6−H2O
y6
y4
b5−H2O
b3
b3++
b9++−H2O
b9++
b10++−H2O

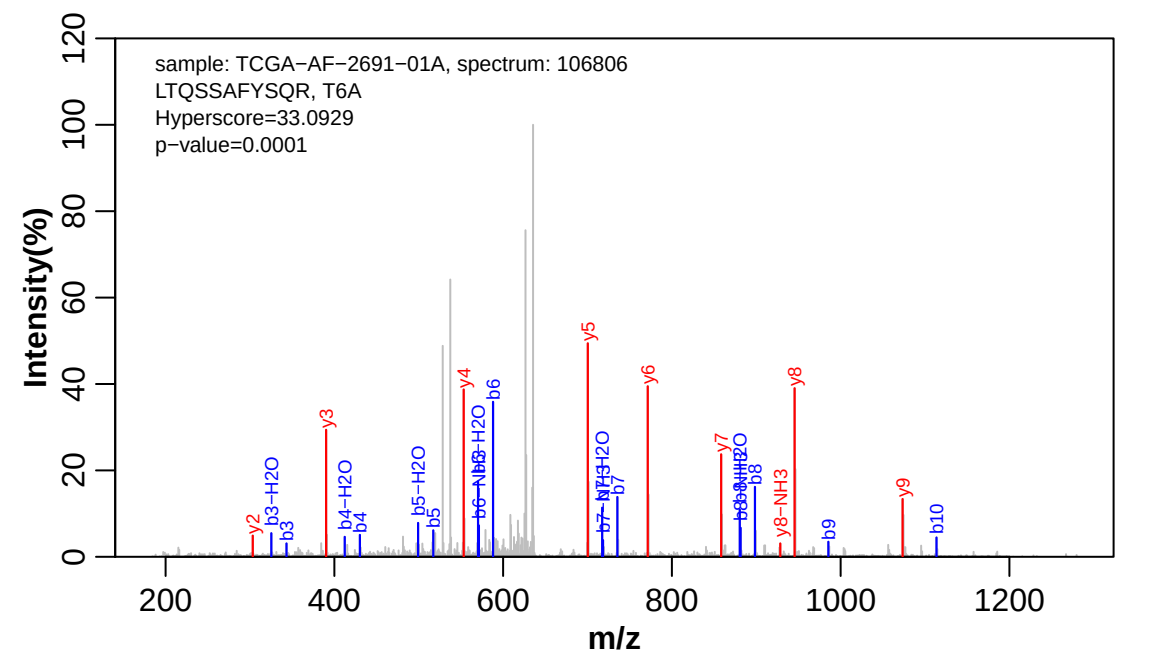

sample: TCGA−AF−2691−01A, spectrum: 20906
KFSKEEPVSSGPEEAAGK, V16A
Hyperscore=47.8385
p−value=0.0001
Intensity(%)
m/z
y17++
y10
y8++−NH3
y7++
b7++
b13++
b14++−NH3
b15++
b14++
b8
b9
0
20
40
60
80
100
120
500
1000
1500

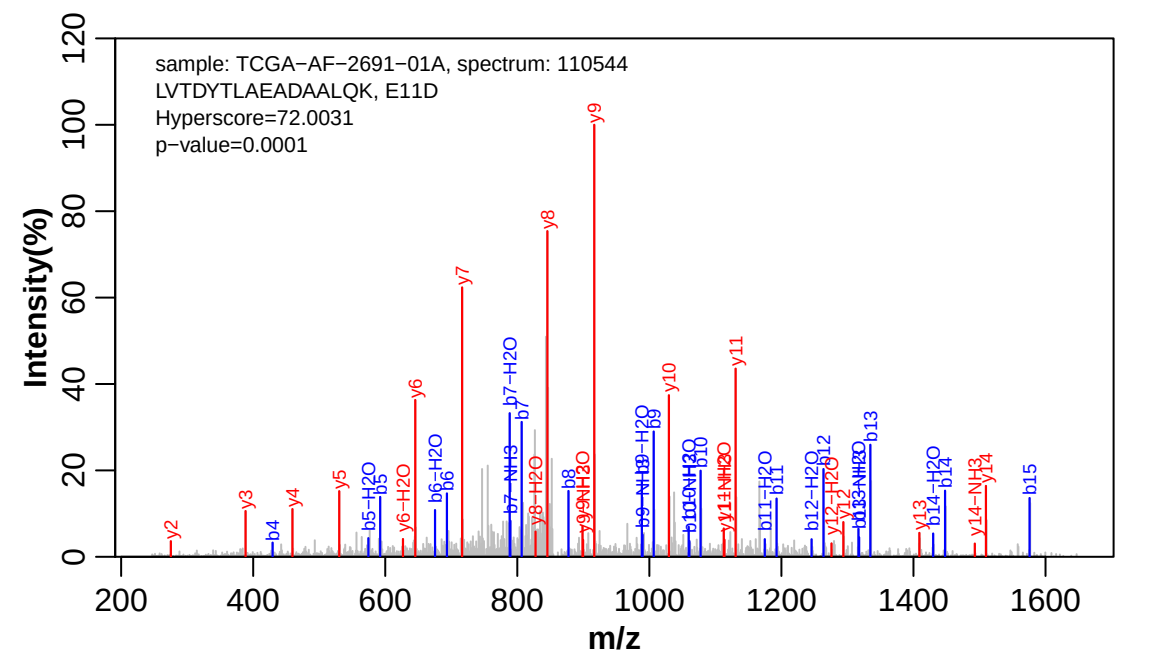

sample: TCGA−AF−2691−01A, spectrum: 94627
LASDLLEWLQR, R10Q
Hyperscore=56.5882
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y3++
y4++
b7++
y3
b8++
b5
b9++
y4
b6
b7
y5
b8
b10++

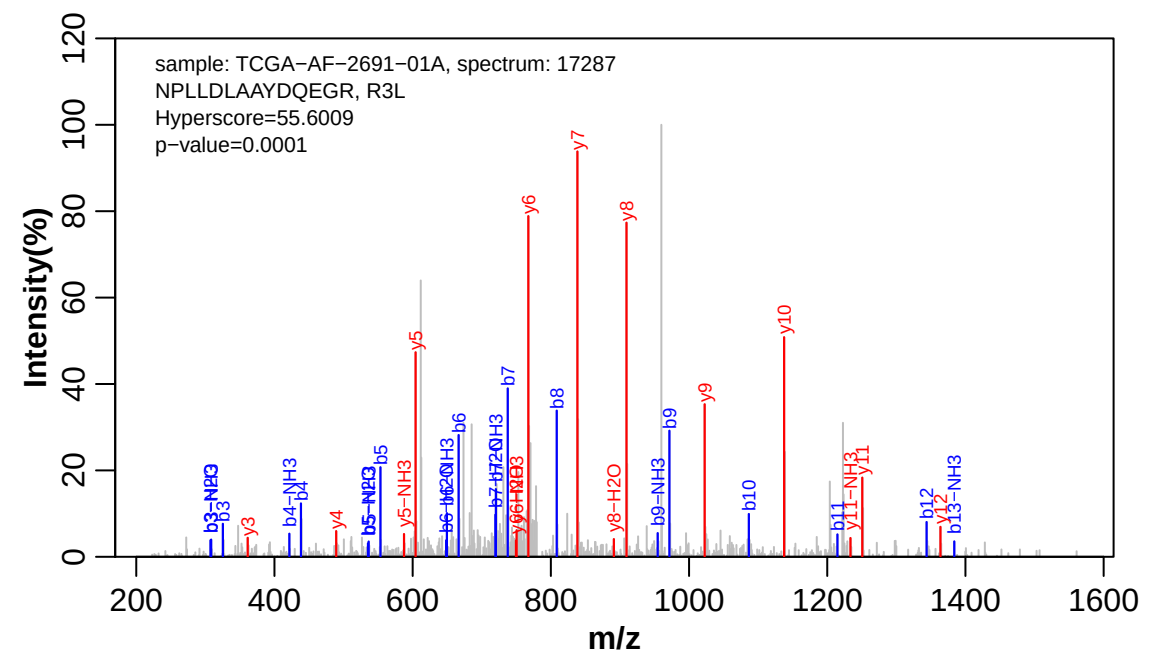

sample: TCGA−AF−2691−01A, spectrum: 99629
LDSTDFTSTLK, G8S
Hyperscore=20.8800
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
b6
y6
b7−H2O
y7
y8
y9
y10

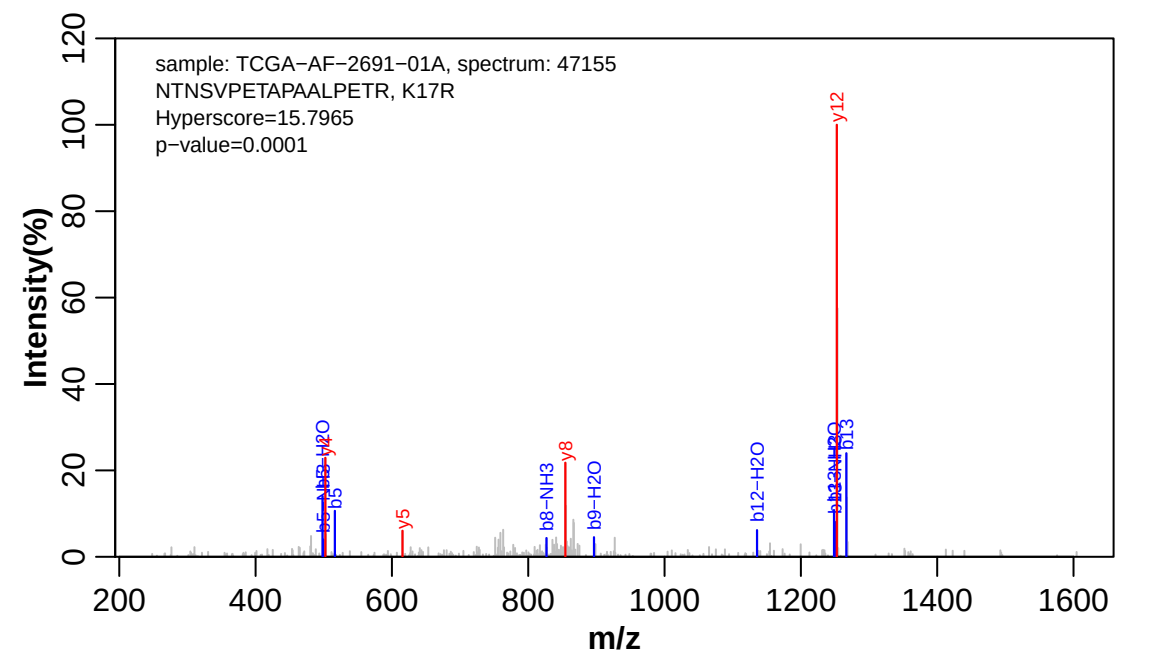

sample: TCGA−AF−2691−01A, spectrum: 17378
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=79.6193
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
y4
b7++
y8++
b8++
y10++
y9++
b4
y5
b10++
b11++
y6
y6−NH3
y13++
b12++
b5
y7−H2O
b6−H2O
y14++−H2O
b15++−H2O
b16++−NH3
b7−H2O
b7
b13++
y7
b14++
y17++−NH3
y9
b8
y10
b9
b10
b11
b12

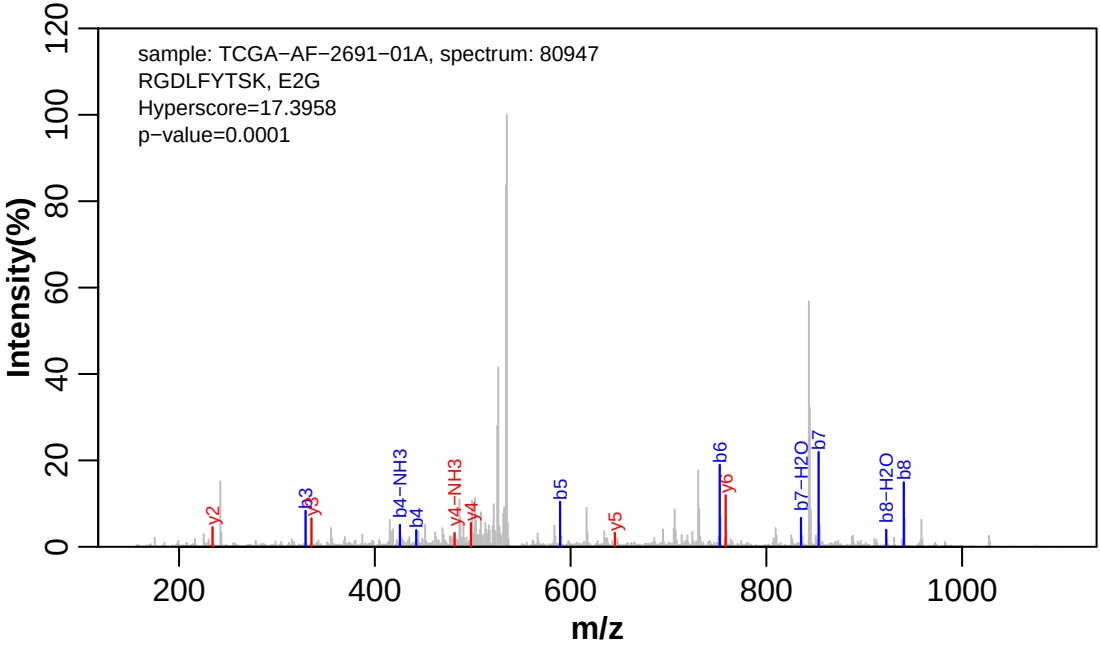

sample: TCGA−AF−2691−01A, spectrum: 67550
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=18.6334
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
b12++
y7
b8
y9−NH3
y9−H2O
y14++−H2O
y10
b8++
b9++
y5
y10++−NH3
b5
y12++−H2O
b11++
b12++−NH3
y8
b16++

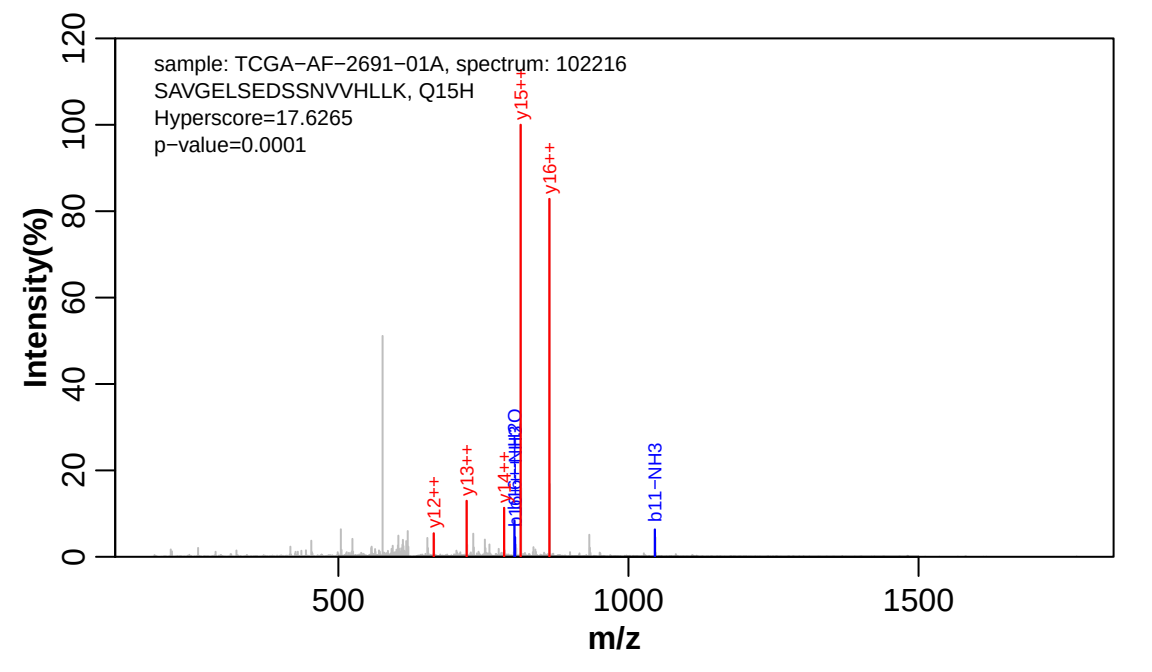

sample: TCGA−AF−2691−01A, spectrum: 106806
LTQSSAFYSQR, T6A
Hyperscore=33.0929
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
b3
y3
b4−H2O
b4
b5−H2O
b5
y4
b6
y5
y6
y7
b8
y8
y8−NH3
b9
y9
b10

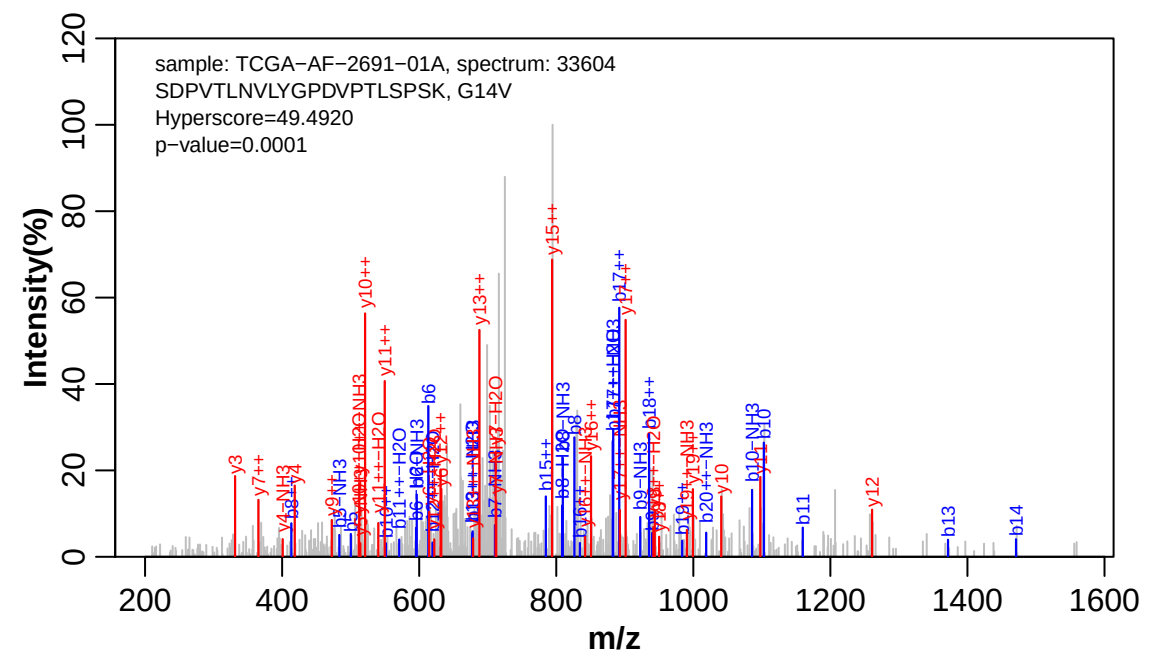

sample: TCGA−AF−2691−01A, spectrum: 110544
LVTDYTLAEADAALQK, E11D
Hyperscore=72.0031
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b4
y4
y5
b5−H2O
b5
y6−H2O
y6
b6−H2O
b6
y7
b7−NH3
b7
b7−H2O
y8−H2O
y8
b8
y9−NH3
y9−H2O
y9
b9−NH3
b9−H2O
b9
y10
b10−H2O
b10
y11−NH3
y11−H2O
y11
b11−H2O
b11
b12−H2O
b12
y12−H2O
y12
b13−NH3
b13−H2O
b13
y13
b14−H2O
b14
y14−NH3
y14
b15

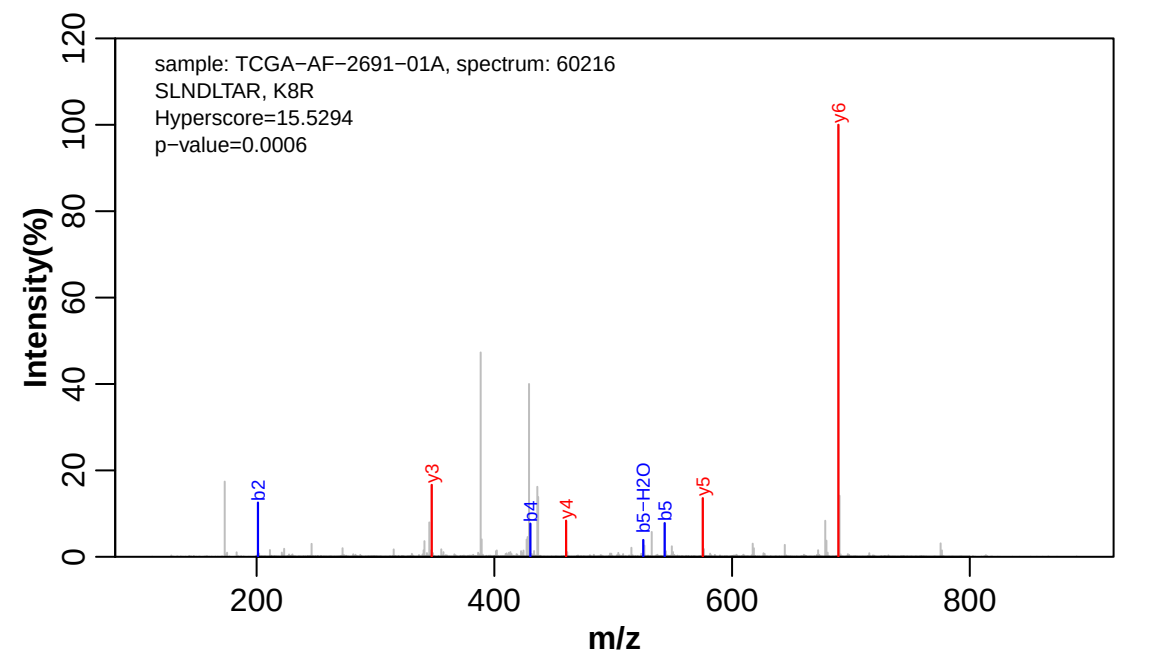

sample: TCGA−AF−2691−01A, spectrum: 17287
NPLLDLAAYDQEGR, R3L
Hyperscore=55.6009
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y6
y8
y5
y10
b7
b8
b6
y9
b9
b5
b10
y11
y11−NH3
b12
y12
b13−NH3
y5−NH3
b4−NH3
y4
y3
y8−H2O
b9−NH3

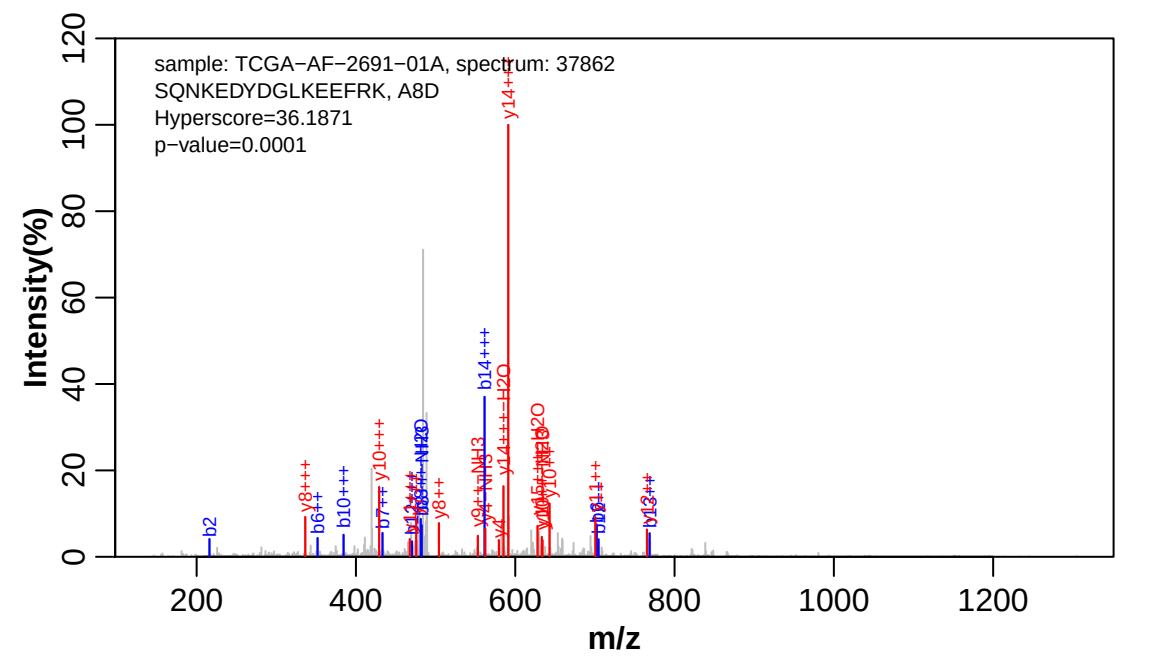

sample: TCGA−AF−2691−01A, spectrum: 47155
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7965
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
b5
b8−NH3
b9−H2O
b12−H2O
b13
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

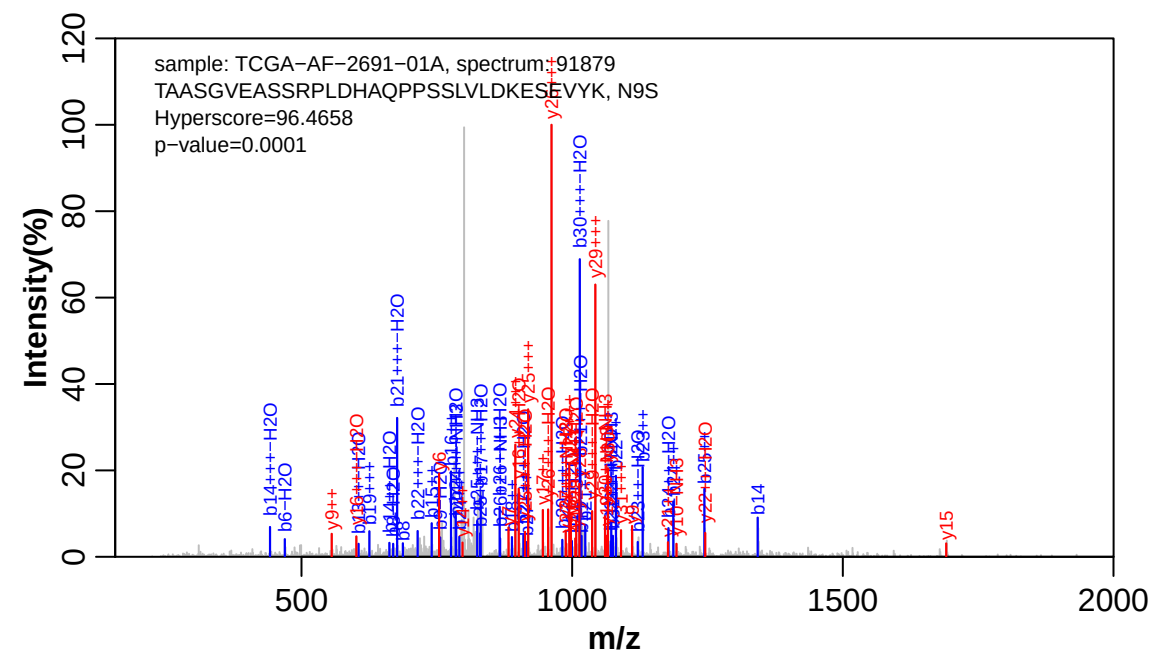

sample: TCGA−AF−2691−01A, spectrum: 80947
RGDLFYTSK, E2G
Hyperscore=17.3958
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y2
b3
y3
b4−NH3
b4
y4−NH3
y4
b5
y5
b6
y6
b7−H2O
b7
b8−H2O
b8

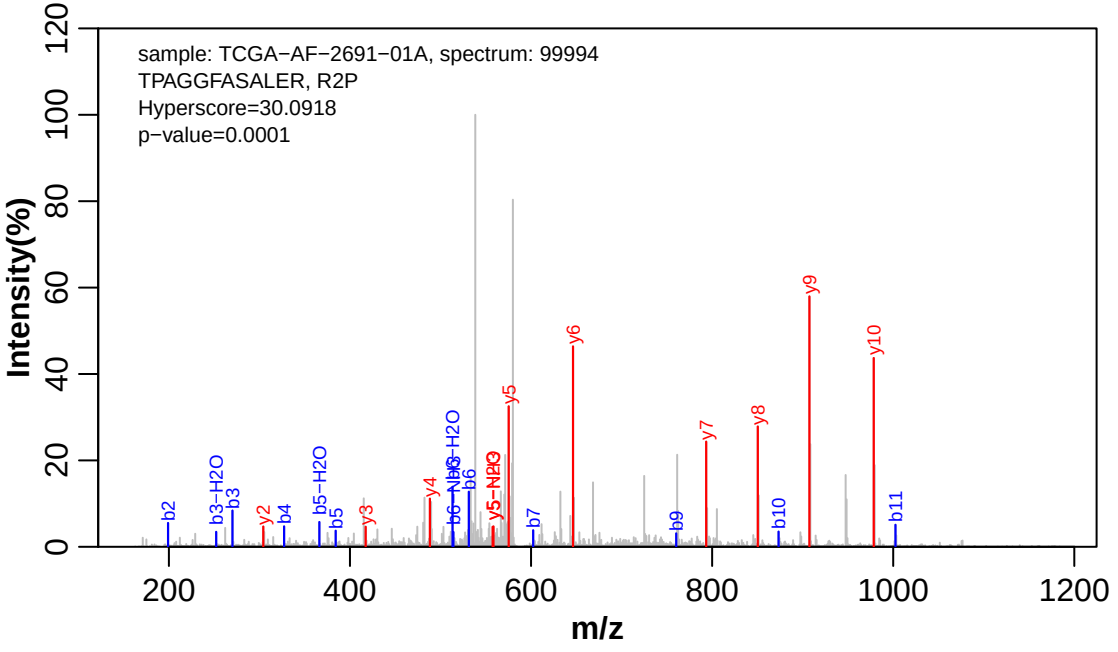

sample: TCGA−AF−2691−01A, spectrum: 102216
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.6265
p−value=0.0001
y15++
y16++
y12++
y13++
y14++
b11−NH3
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

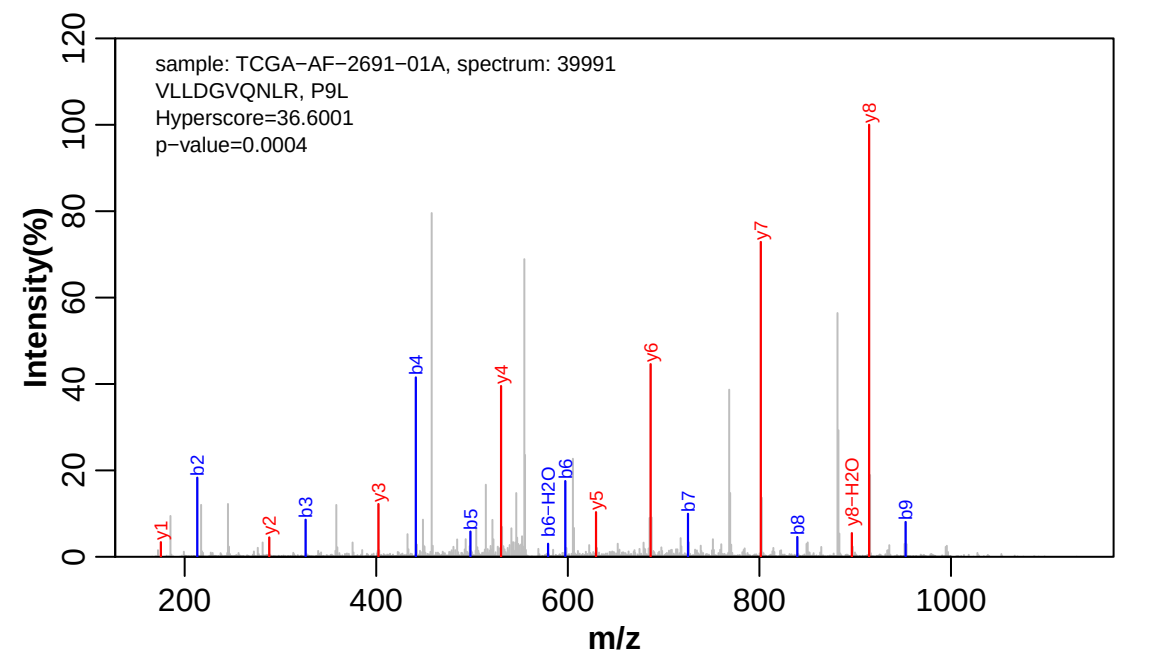

sample: TCGA−AF−2691−01A, spectrum: 33604
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=49.4920
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
y7++
y4−NH3
y4
y9−NH3
y10++
y11++−H2O
y11++
b6
y13++
y15++
b15++
b8−NH3
b8
y16++
y17++
b18++
y10−NH3
y10
b20++−NH3
b10−NH3
b10
b11
y12
b13
b14

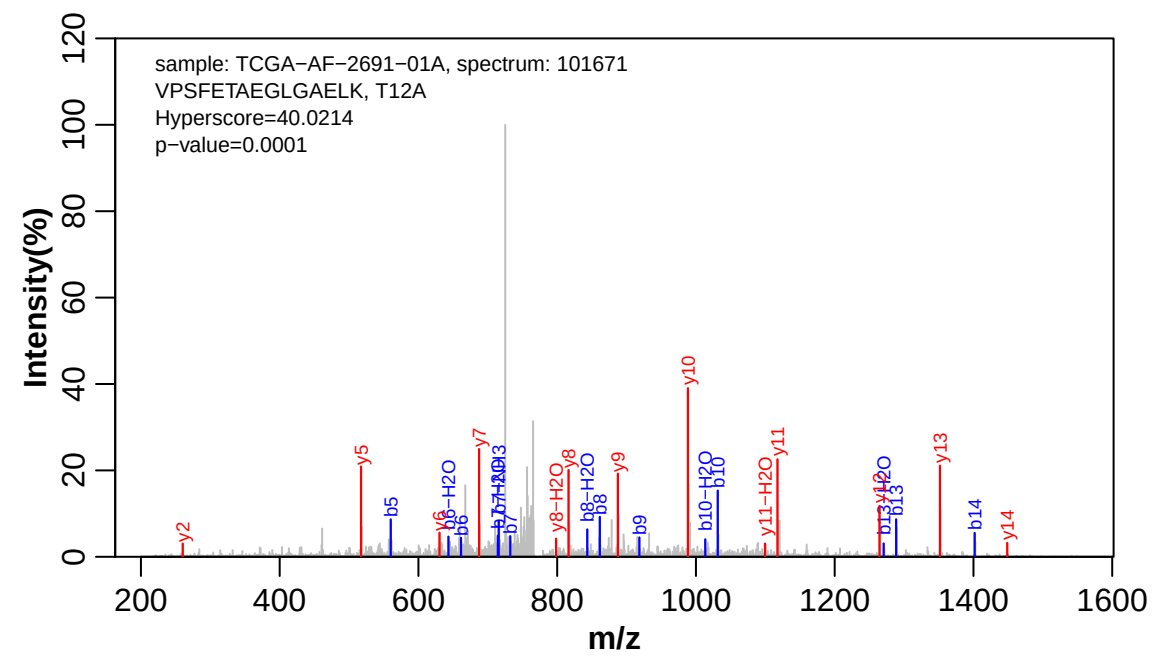

sample: TCGA−AF−2691−01A, spectrum: 60216
SLNDLTAR, K8R
Hyperscore=15.5294
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
b2
y3
b4
y4
b5−H2O
b5
y5
y6

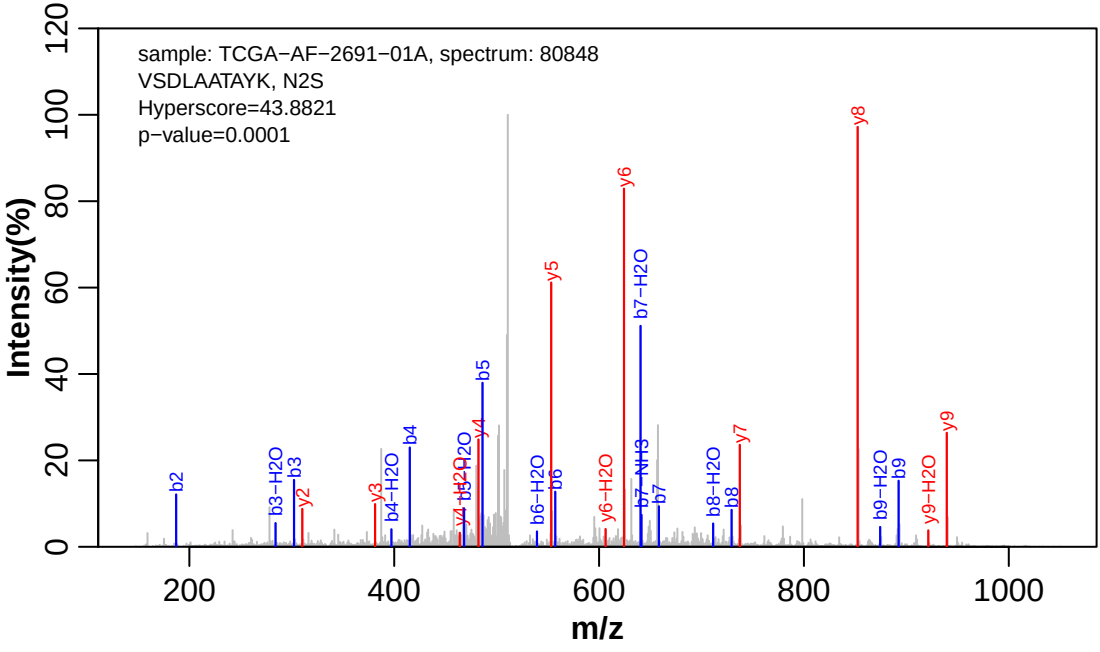

sample: TCGA−AF−2691−01A, spectrum: 37862
SQNKEDYDGLKEEFRK, A8D
Hyperscore=36.1871
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y8+++
b6++
b10+++
b7++
y10+++
y8++
b14+++
y14++++H2O
y14+++
b11++
b12++

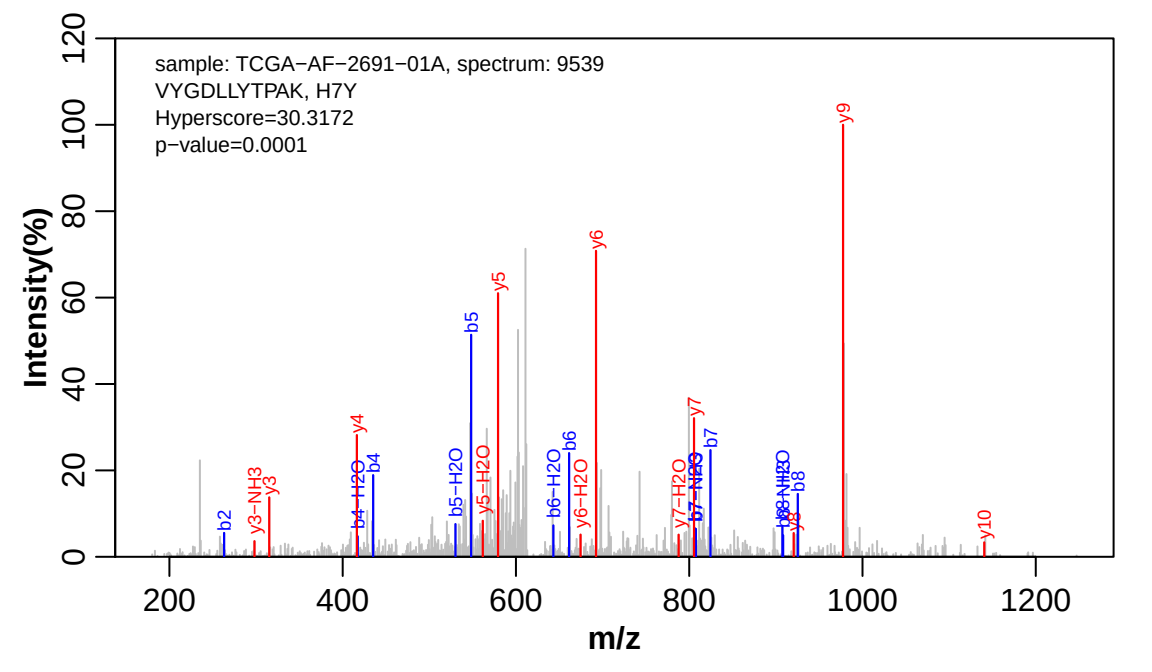

sample: TCGA−AF−2691−01A, spectrum: 91879
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=96.4658
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2+++
b30+++−H2O
y29+++
b21+++−H2O
b14+++−H2O
b6−H2O
y9++
b14
y15

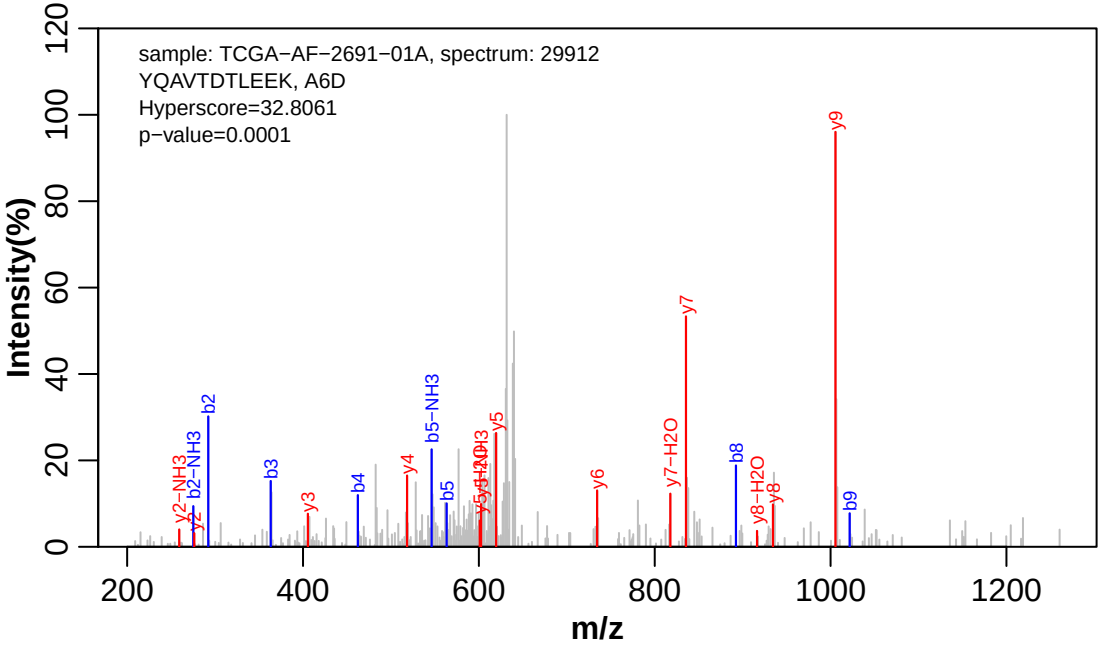

sample: TCGA−AF−2691−01A, spectrum: 99994
TPAGGFASALER, R2P
Hyperscore=30.0918
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3−H2O
b3
y2
b4
b5−H2O
b5
y3
y4
b6−NH3
b6−H2O
b6
y5−NH3
y5−H2O
y5
b7
y6
b9
y7
y8
b10
y9
y10
b11

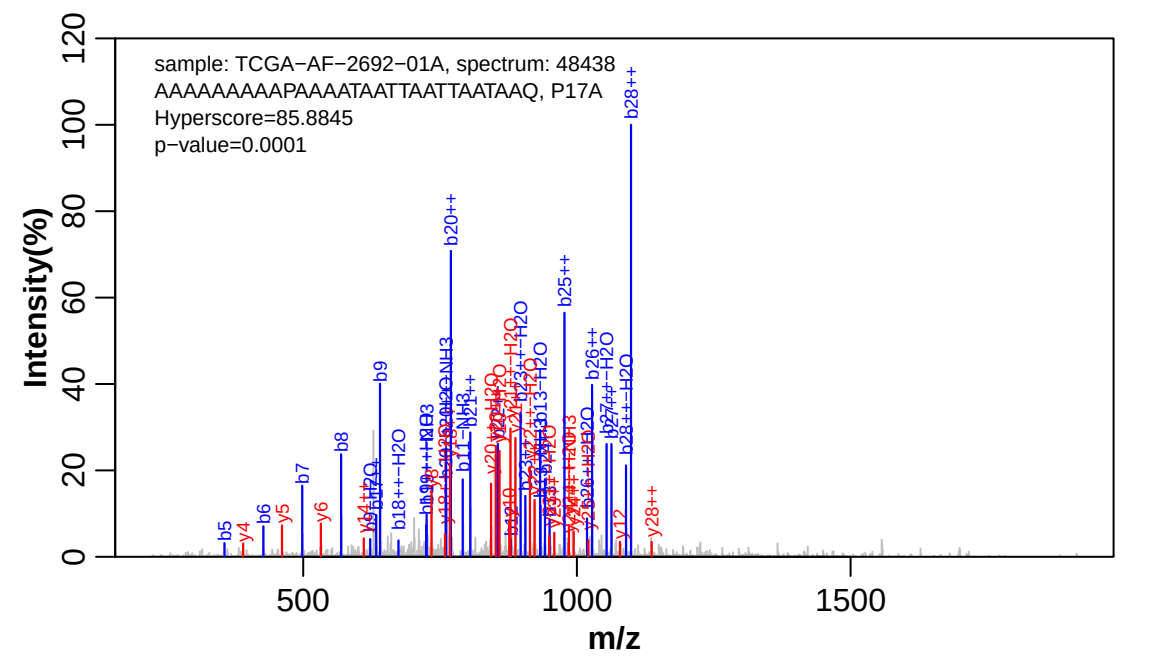

sample: TCGA−AF−2691−01A, spectrum: 39991
VLLDGVQNLR, P9L
Hyperscore=36.6001
p−value=0.0004
Intensity(%)
m/z
y1
b2
y2
b3
y3
b4
b5
y4
b6−H2O
b6
y5
y6
b7
b8
y7
y8−H2O
y8
b9

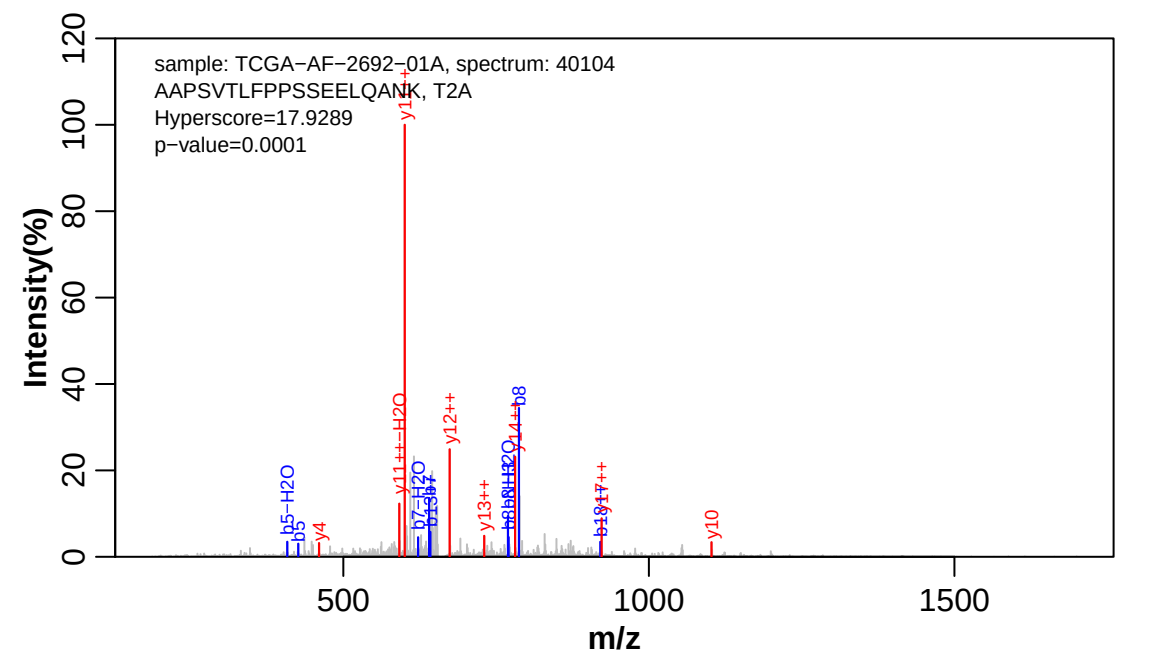

sample: TCGA−AF−2691−01A, spectrum: 101671
VPSFETAEGLGAELK, T12A
Hyperscore=40.0214
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y5
b5
y6
b6−H2O
b6
y7
b7−H2O
b7
y8−H2O
y8
b8−H2O
b8
y9
b9
y10
b10−H2O
b10
y11−H2O
y11
b13−H2O
b13
y13
b14
y14

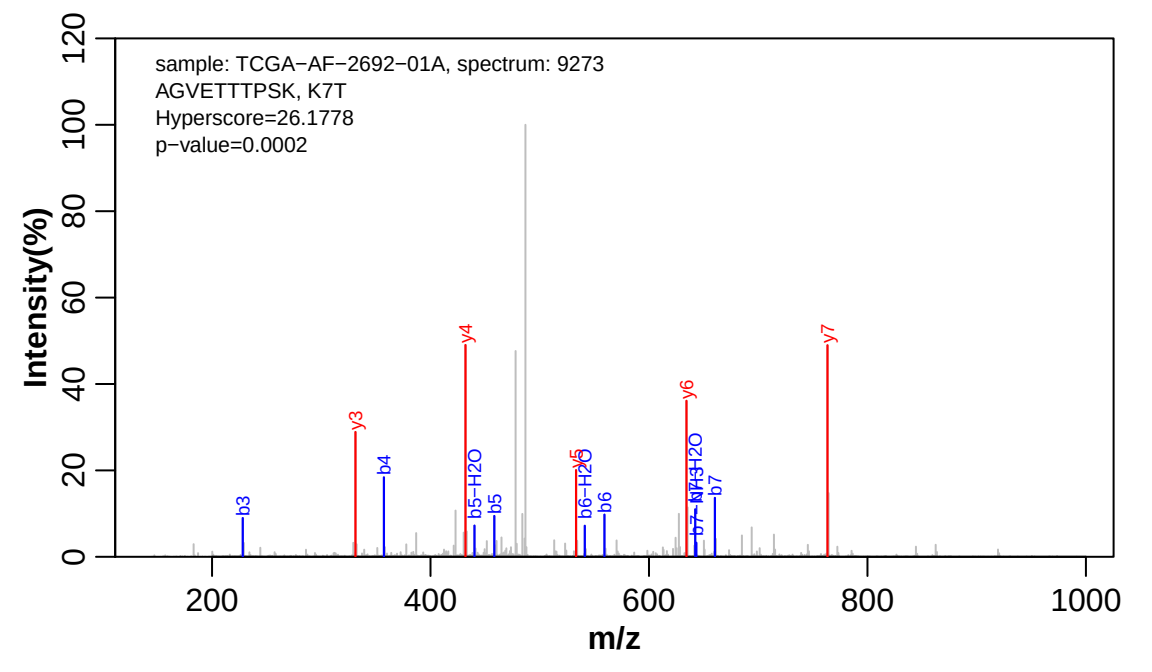

sample: TCGA−AF−2691−01A, spectrum: 80848
VSDLAATAYK, N2S
Hyperscore=43.8821
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3−H2O
b3
y2
y3
b4−H2O
b4
y4−H2O
y4
b5
b6−H2O
y5
b6
y6−H2O
y6
b7−NH3
b7−H2O
b7
b8−H2O
b8
y7
y8
b9−H2O
b9
y9−H2O
y9

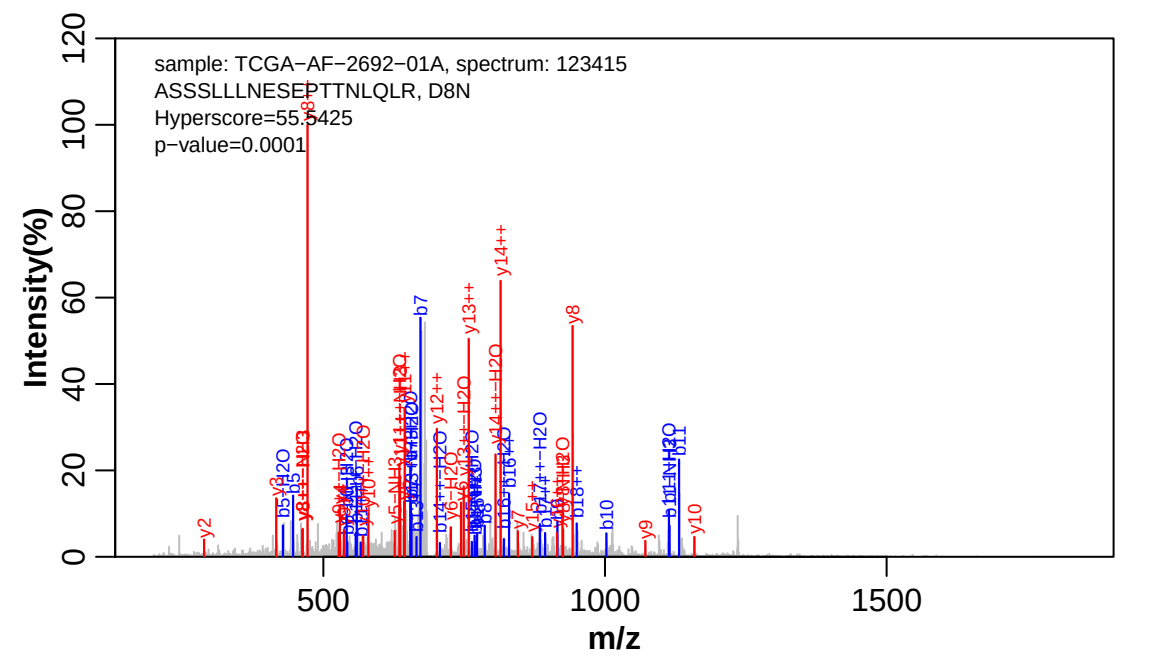

sample: TCGA−AF−2691−01A, spectrum: 9539
VYGDLLYTPAK, H7Y
Hyperscore=30.3172
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3−NH3
y3
y4
b4−H2O
b4
b5
b5−H2O
y5−H2O
y5
y6
b6−H2O
b6
y6−H2O
y7
y7−H2O
b7
b8
y9
y10

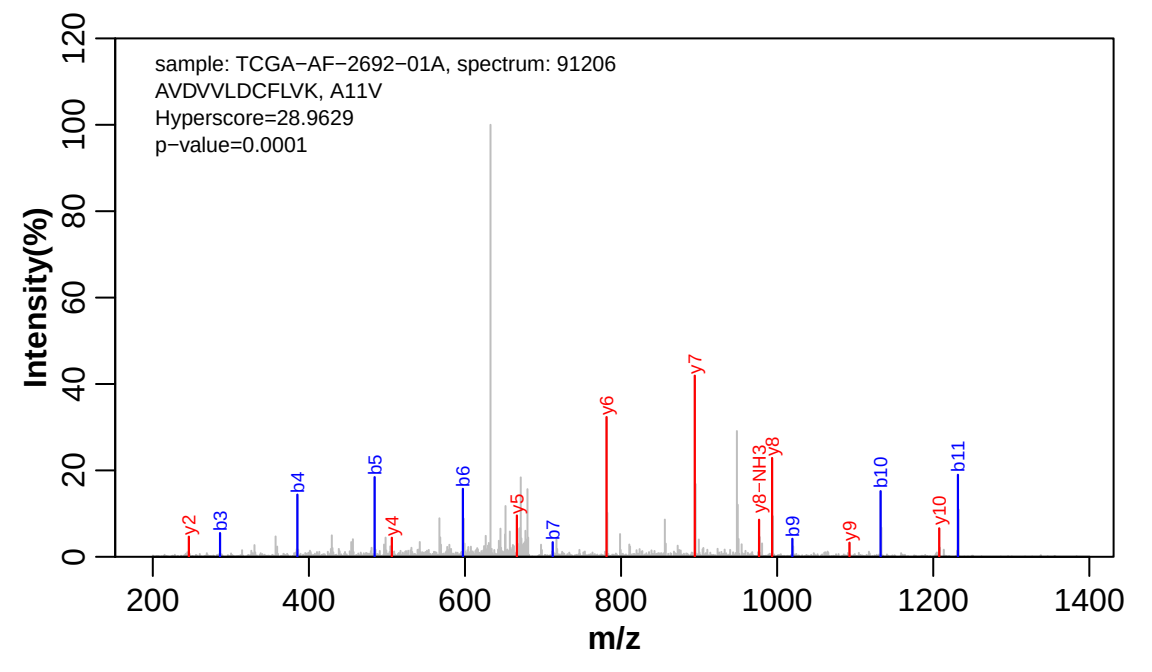

sample: TCGA−AF−2691−01A, spectrum: 29912
YQAVTDTLEEK, A6D
Hyperscore=32.8061
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2−NH3
y2
b2−NH3
b2
b3
y3
b4
y4
b5−NH3
b5
y5−H2O−NH3
y5
y6
y7−H2O
y7
b8
y8−H2O
y8
y9
b9

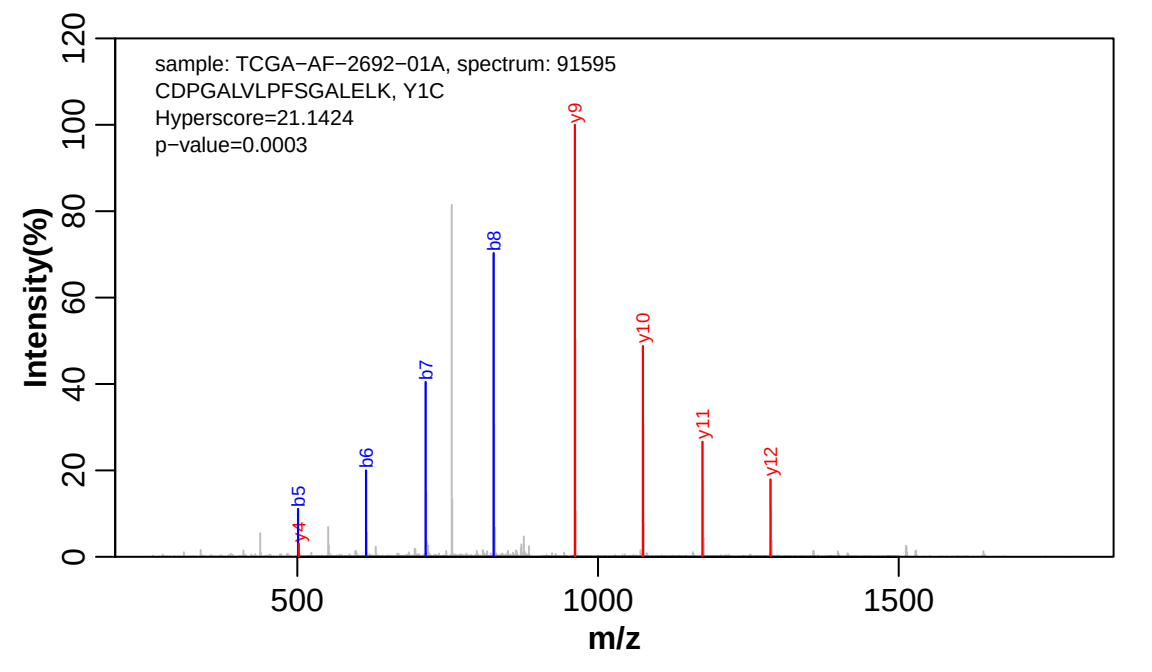

sample: TCGA−AF−2692−01A, spectrum: 48438
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=85.8845
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5
y4
b6
y5
y6
b7
b8
b9
b20++
b25++
b26++
b28++
y28++
b18++−H2O
b28++−H2O
y12

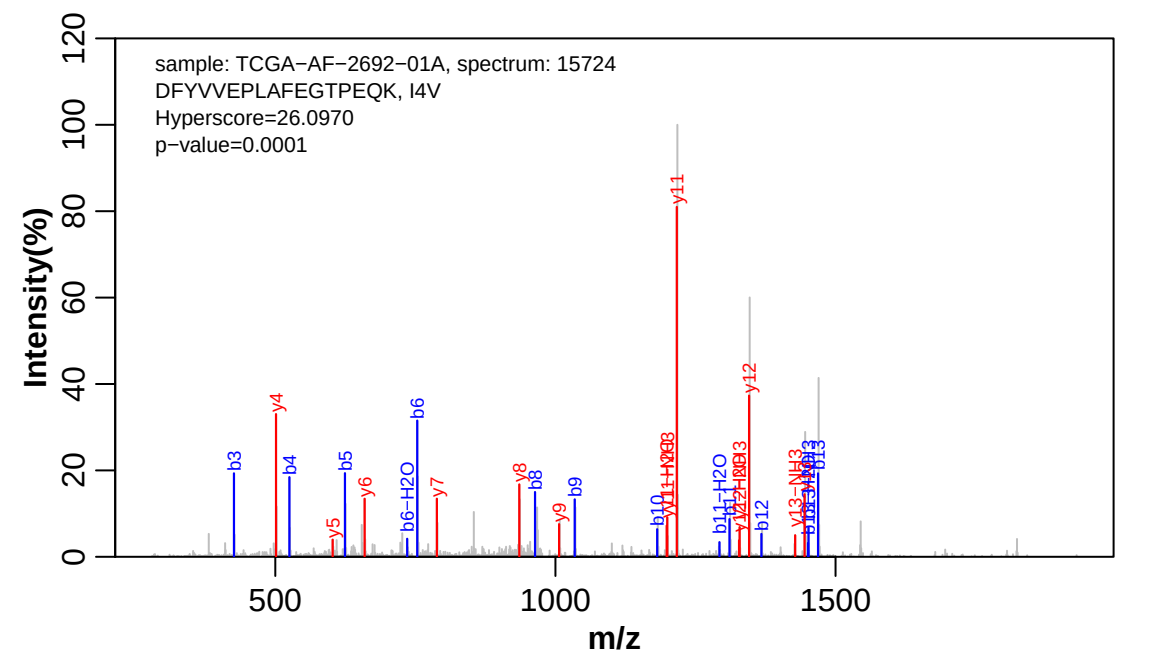

sample: TCGA−AF−2692−01A, spectrum: 40104
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=17.9289
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
y11++−H2O
y12++
b5−H2O
b5
y4
b7−H2O
y13++
y14++b8
b18++H2O
b1817++
y10

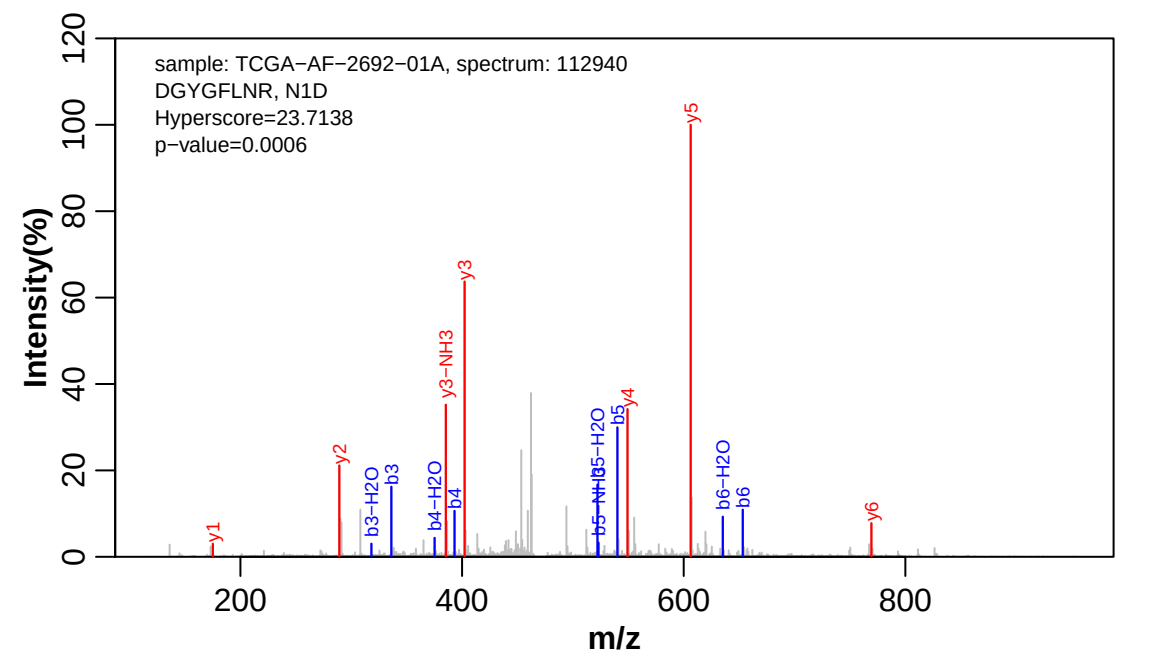

sample: TCGA−AF−2692−01A, spectrum: 9273
AGVETTTPSK, K7T
Hyperscore=26.1778
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3−H2O
b7
y7

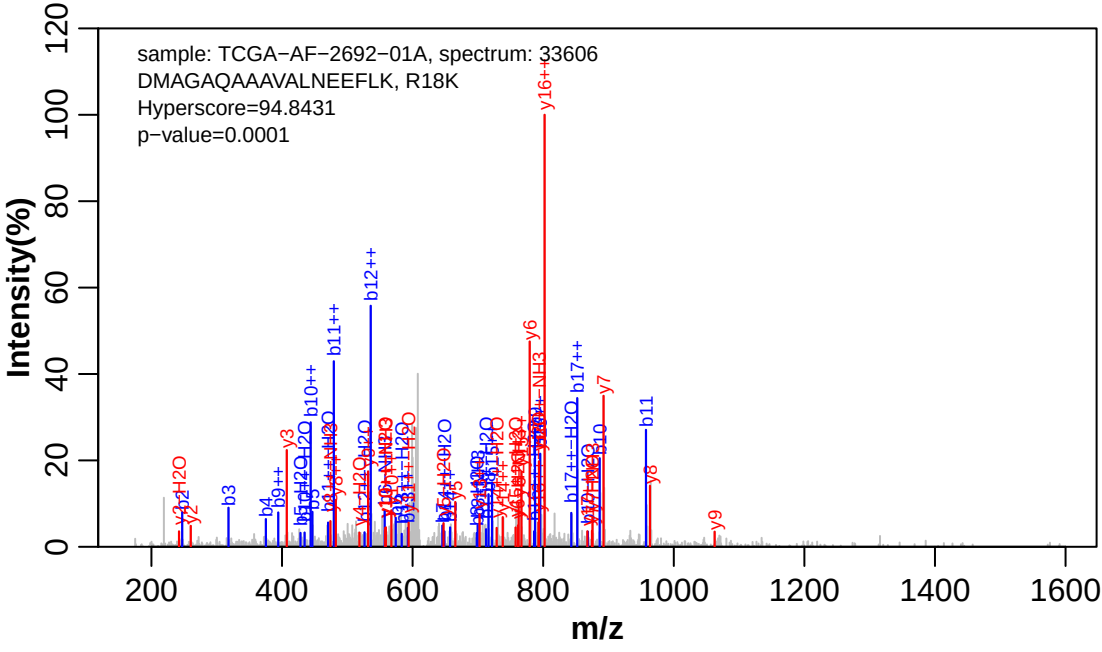

sample: TCGA−AF−2692−01A, spectrum: 123415
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=55.5425
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
b7
y14++
y13++
y12++
b10
y10
y9
y2

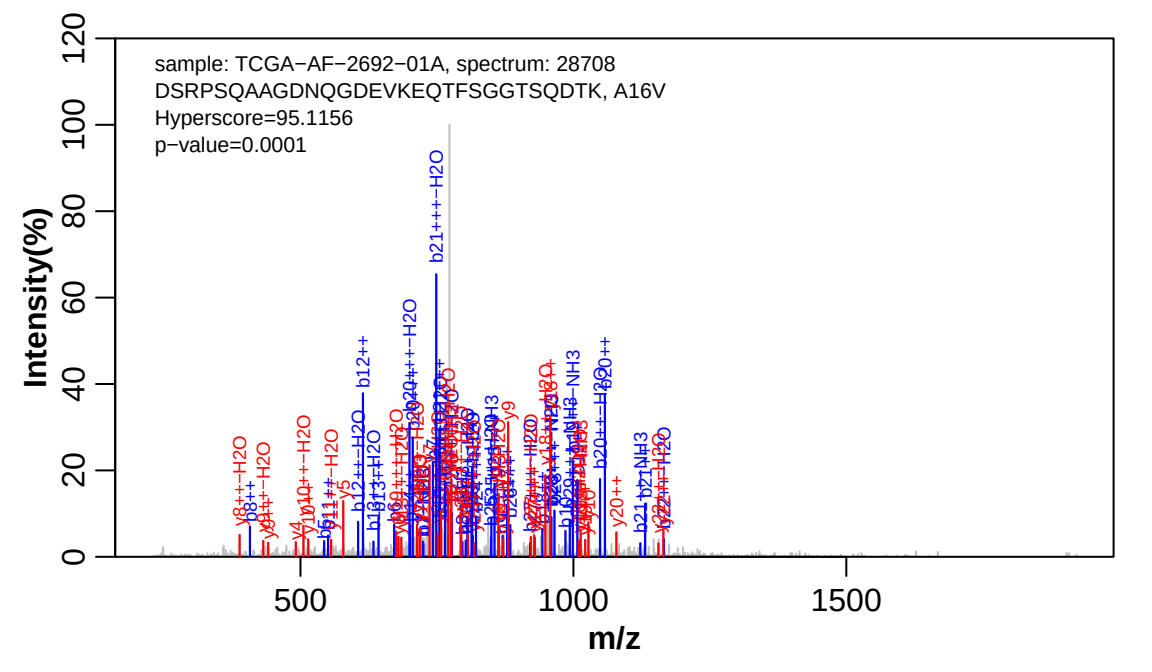

sample: TCGA−AF−2692−01A, spectrum: 91206
AVDVVLDCFLVK, A11V
Hyperscore=28.9629
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
y2
b3
b4
b5
y4
b6
y5
b7
y6
y7
y8−NH3
y8
b9
y9
b10
y10
b11

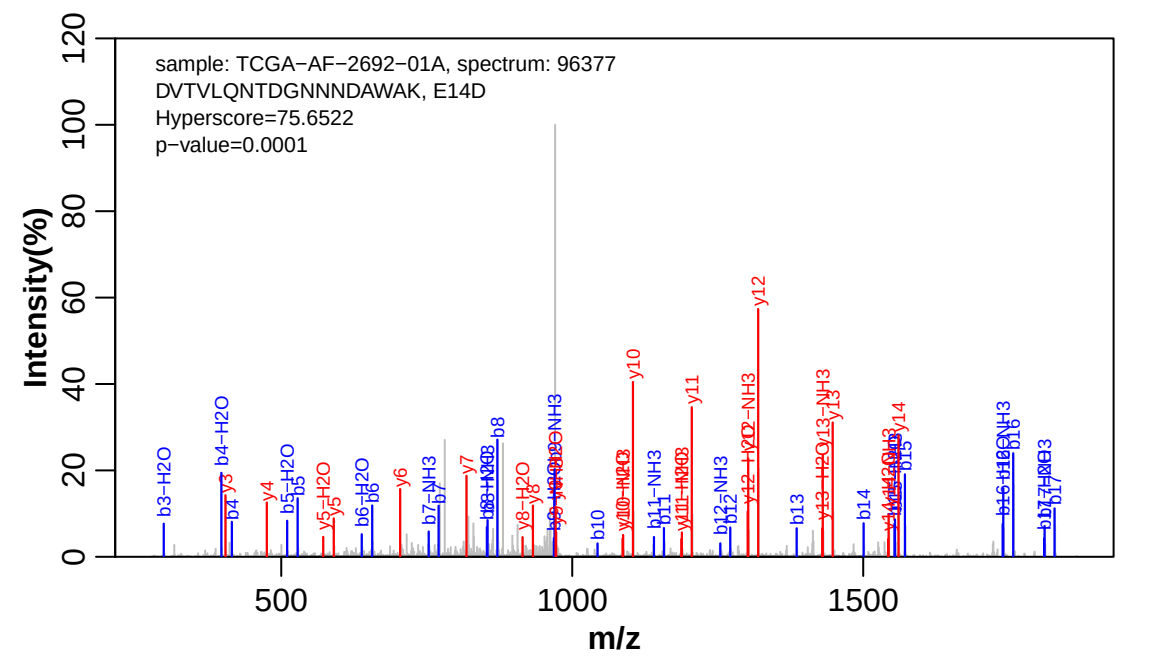

sample: TCGA−AF−2692−01A, spectrum: 91595
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.1424
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4
b5
b6
b7
b8
y9
y10
y11
y12

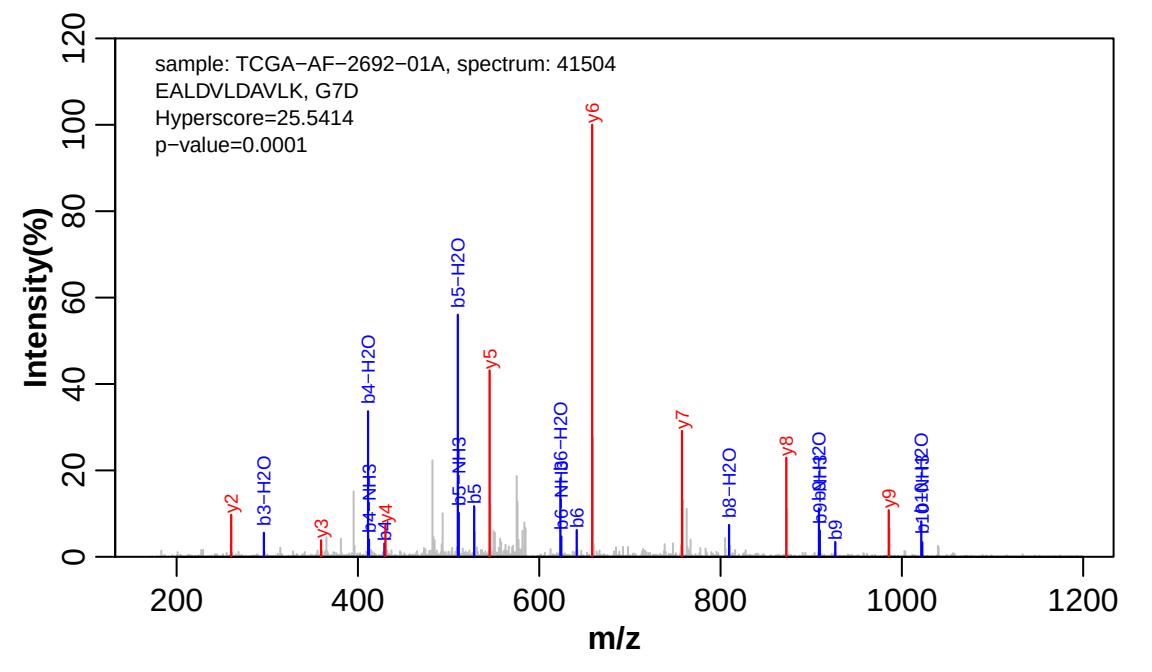

sample: TCGA−AF−2692−01A, spectrum: 15724
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=26.0970
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
y5
y6
b6−H2O
b6
y7
y8
b8
y9
b9
b10
y11
y11−H2O
y11−NH3
b11−H2O
y12−H2O
y12−NH3
y12
b12
y13−NH3
b13

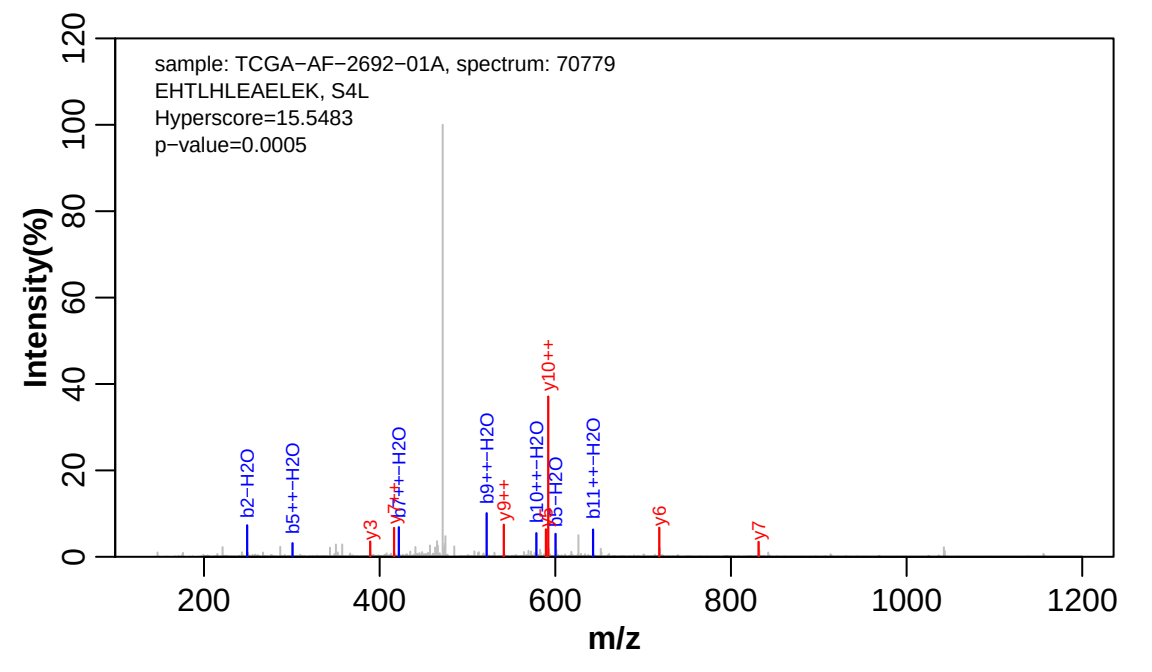

sample: TCGA−AF−2692−01A, spectrum: 112940
DGYGFLNR, N1D
Hyperscore=23.7138
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
y3
b4
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
y6

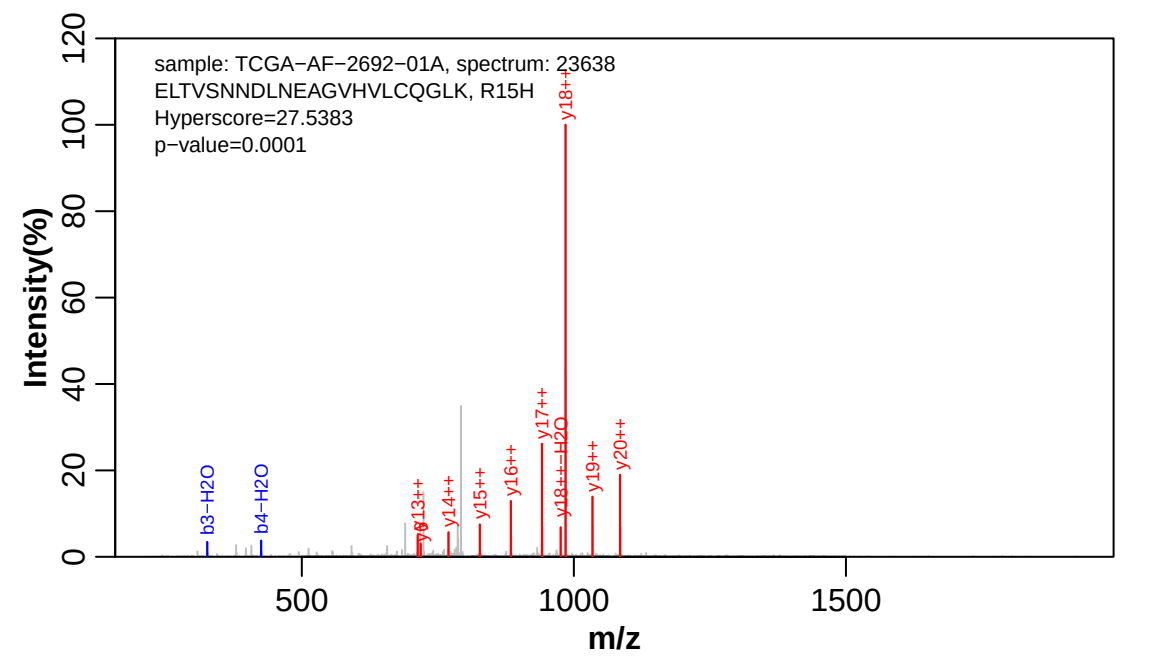

sample: TCGA−AF−2692−01A, spectrum: 33606
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=94.8431
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y16++
y6
y6−NH3
b12++
b11++
b10++
b17++
y7
b11
y8
y9
y3
b3
b4
y2
y2−H2O

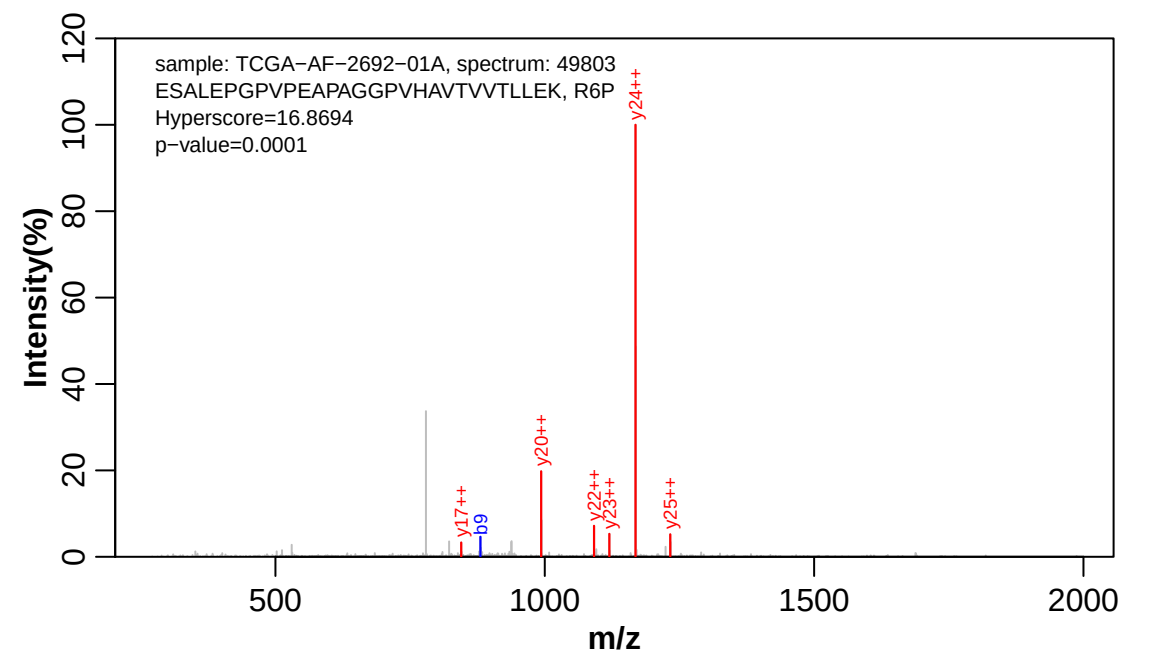

sample: TCGA−AF−2692−01A, spectrum: 28708
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=95.1156
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b21+++−H2O
b12++
y20++
b21++−NH3

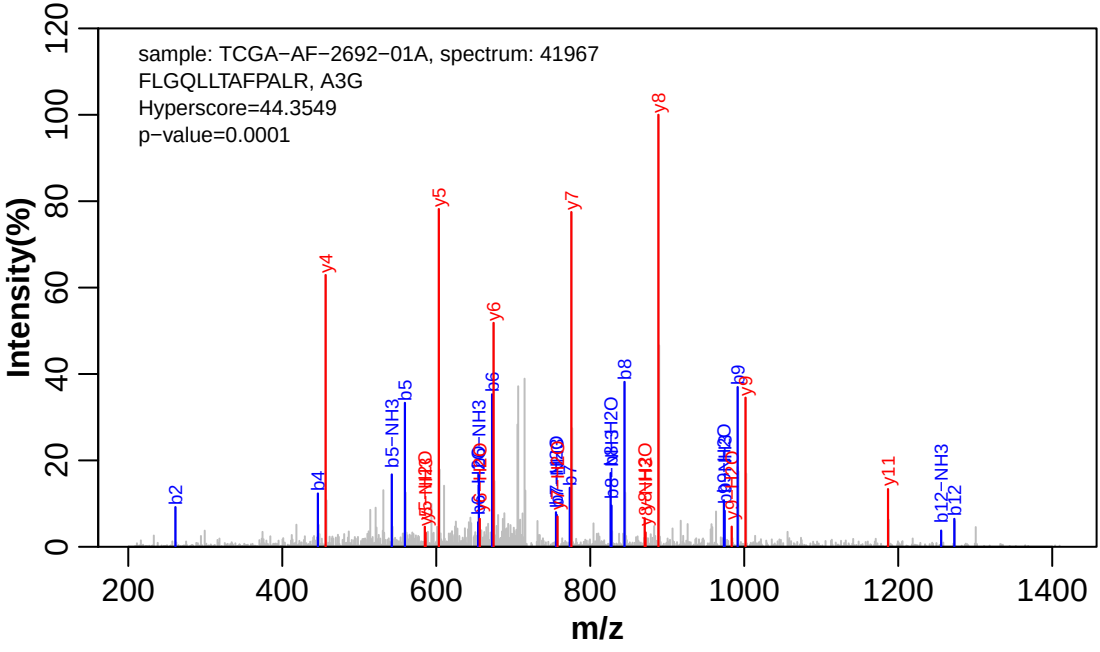

sample: TCGA−AF−2692−01A, spectrum: 96377
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=75.6522
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
b4−H2O
y3
b4
y4
b5−H2O
b5
y5−H2O
y5
b6−H2O
b6
y6
b7−NH3
b7
y7
b8−H2O
b8
y8−H2O
y8
b10
y10
b11−NH3
b11
y11
b12−NH3
b12
y12
y12−NH3
b13
y13−H2O
y13−NH3
y13
b14
y14
b16
b16−NH3
b17−NH3
b17

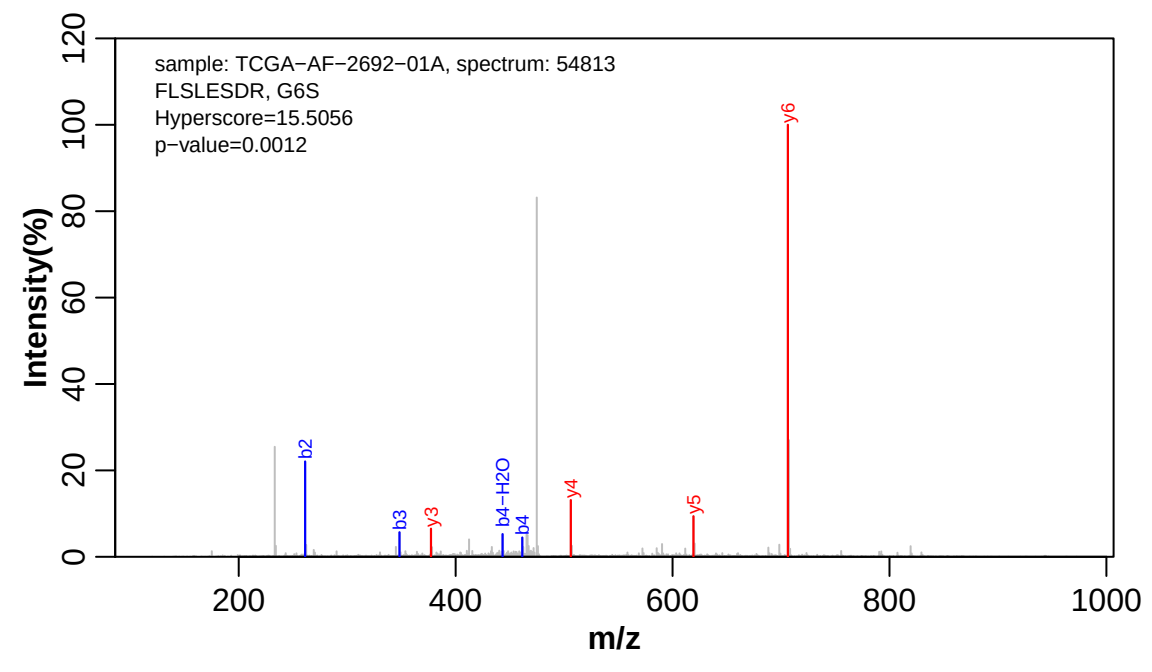

sample: TCGA−AF−2692−01A, spectrum: 41504
EALDVLDAVLK, G7D
Hyperscore=25.5414
p−value=0.0001
Intensity(%)
m/z
y6
y5
y7
y8
y9
y2
y3
y4
b5−H2O
b4−H2O
b6−H2O
b3−H2O
b8−H2O
b4−NH3
b5−NH3
b5
b6
b9
0
20
40
60
80
100
120
200
400
600
800
1000
1200

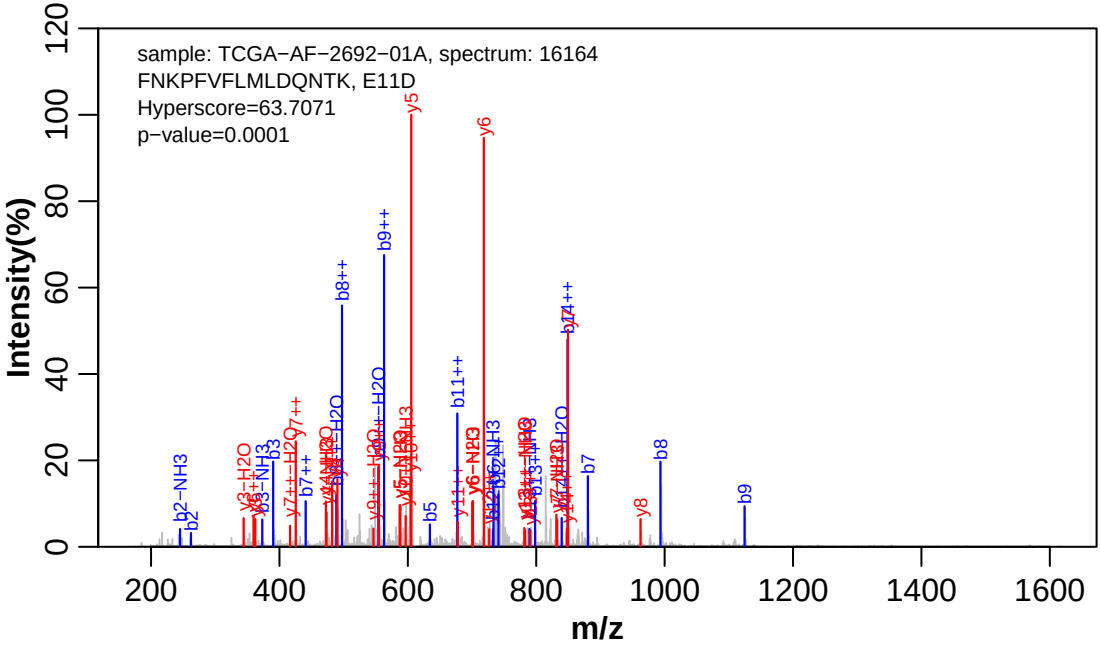

sample: TCGA−AF−2692−01A, spectrum: 70779
EHTLHLEAELEK, S4L
Hyperscore=15.5483
p−value=0.0005
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b5++−H2O
y3
y7++
y7++−H2O
b9++−H2O
y9++
y10++
b10++−H2O
b5−H2O
b11++−H2O
y6
y7

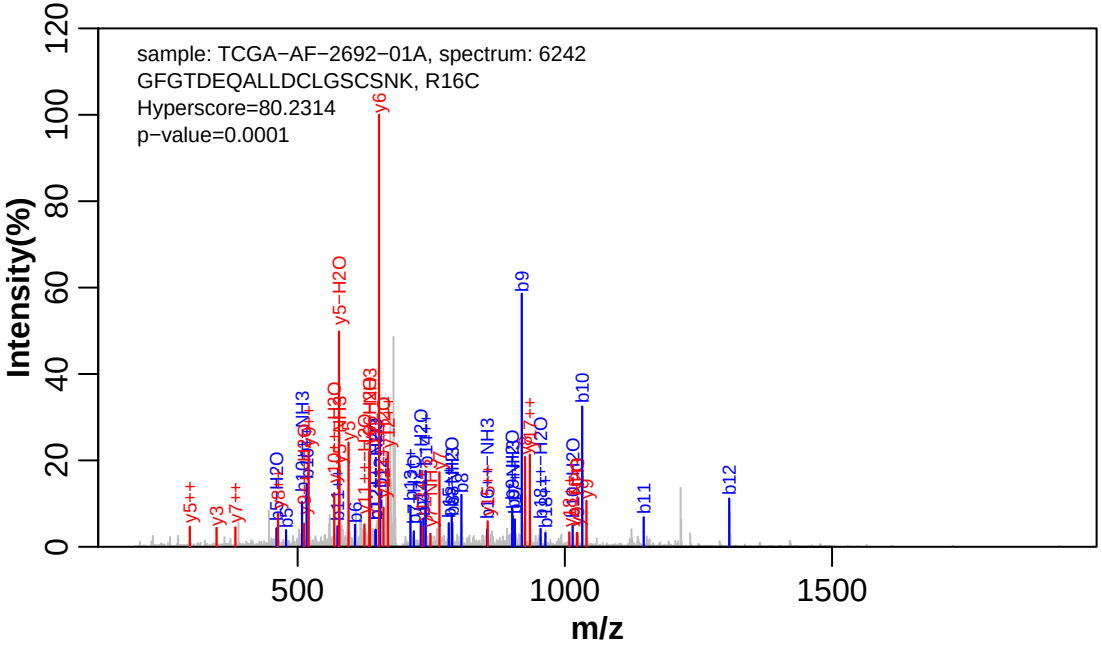

sample: TCGA−AF−2692−01A, spectrum: 23638
ELTVSNNDLNEAGVHVLCQGLK, R15H
Hyperscore=27.5383
p−value=0.0001
Intensity(%)
m/z
b3−H2O
b4−H2O
y13++
y14++
y15++
y16++
y17++
y18++−H2O
y18++
y19++
y20++

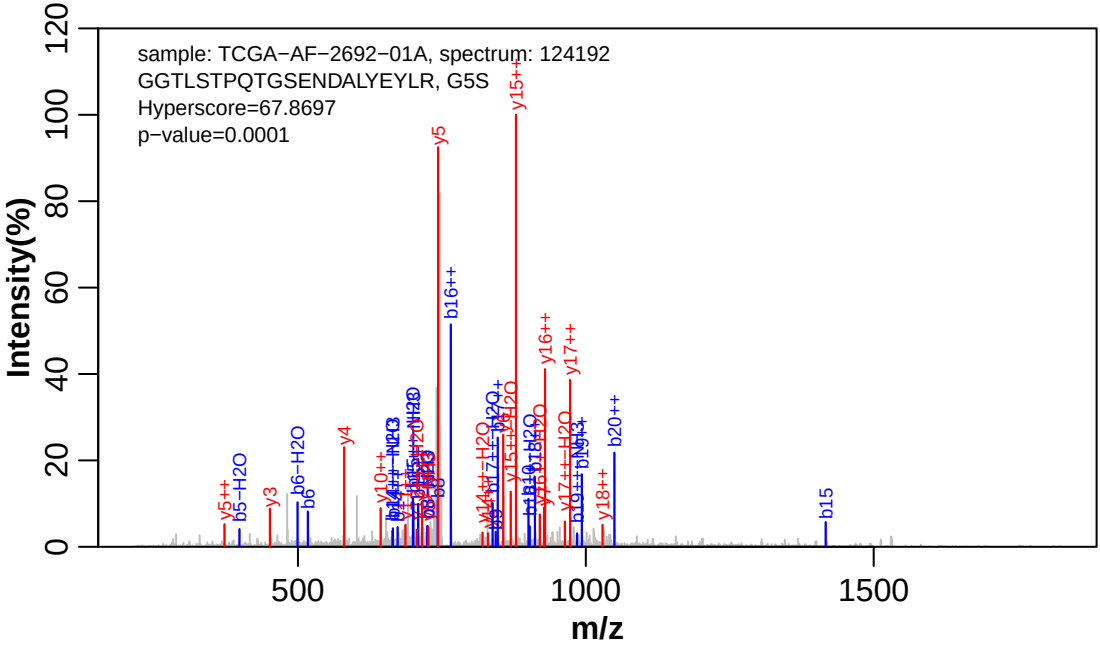

sample: TCGA−AF−2692−01A, spectrum: 49803
ESALEPGPVPEAPAGGPVHAVTVVTLLEK, R6P
Hyperscore=16.8694
p−value=0.0001
y24++
y20++
y22++
y23++
y17++
b9
y25++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

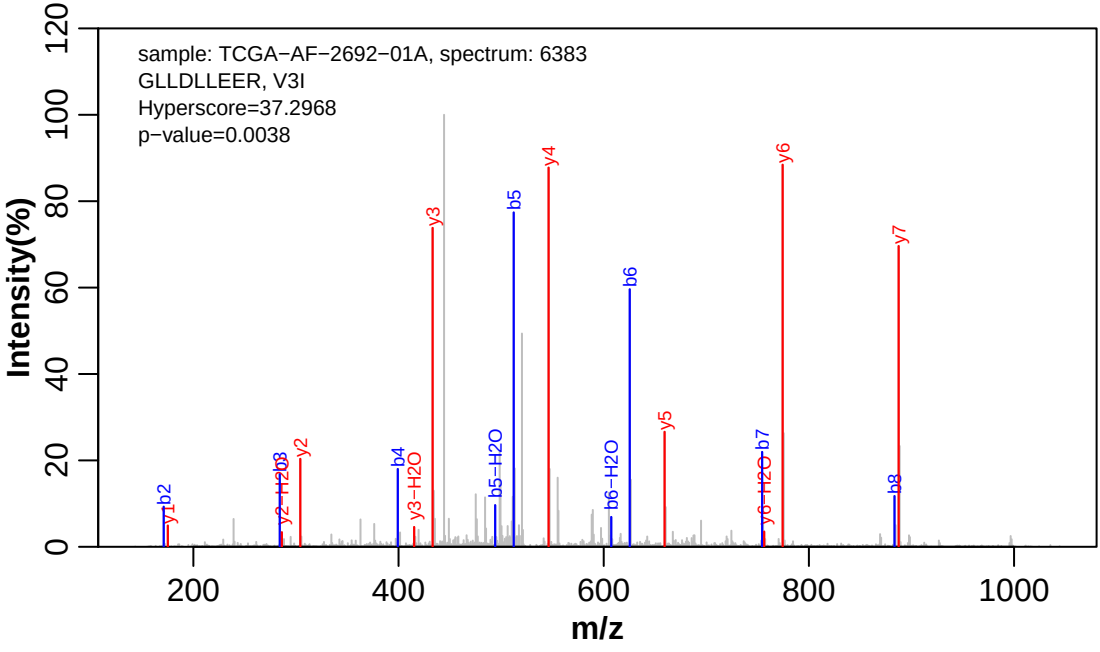

sample: TCGA−AF−2692−01A, spectrum: 41967
FLGQLLTAFPALR, A3G
Hyperscore=44.3549
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y4
b4
b5−NH3
b5
y5
y6
b6
y7
b8
y8
y9
b9
y11
b12−NH3
b12

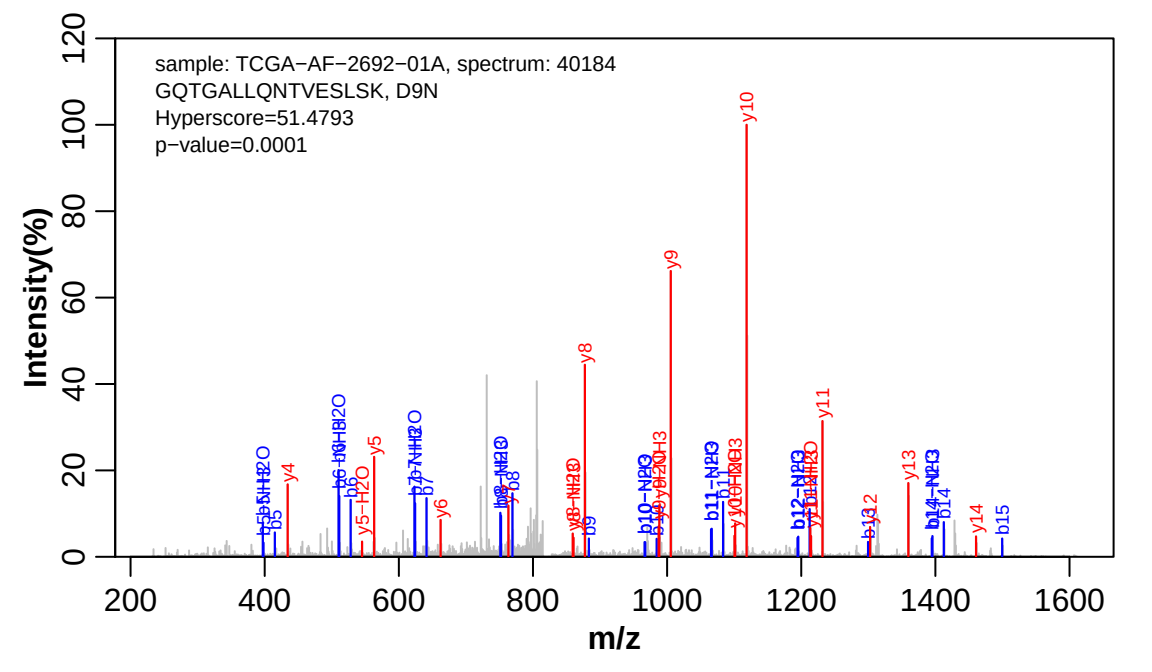

sample: TCGA−AF−2692−01A, spectrum: 54813
FLSLESDR, G6S
Hyperscore=15.5056
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
y3
b4−H2O
b4
y4
y5
y6

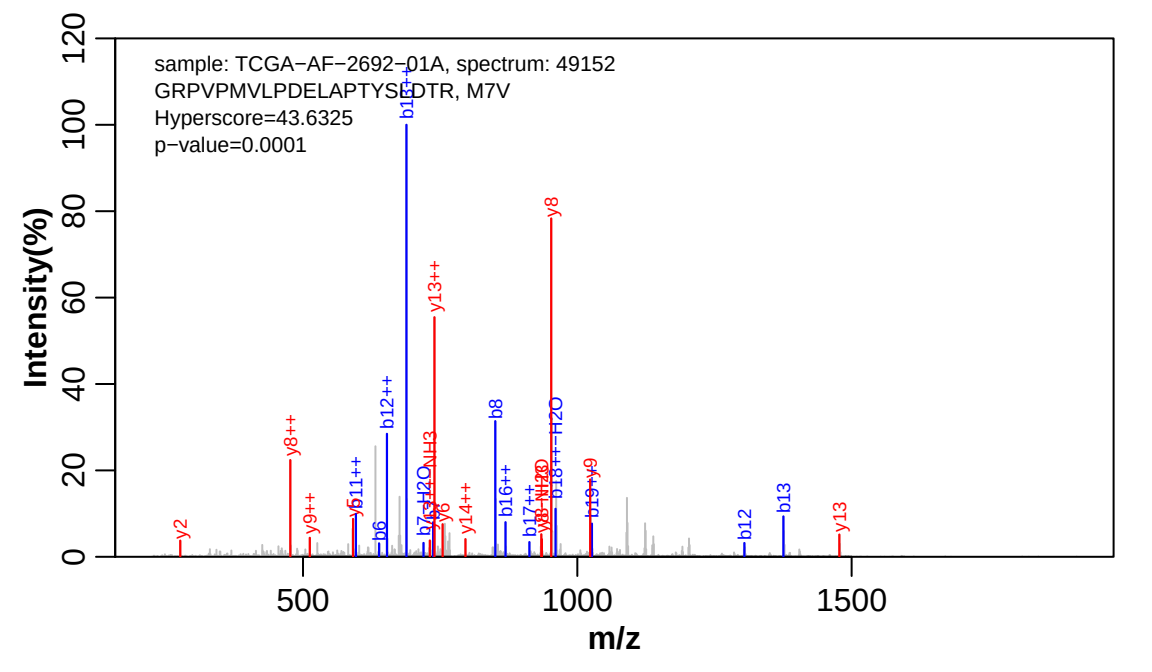

sample: TCGA−AF−2692−01A, spectrum: 16164
FNKPFVFLMLDQNTK, E11D
Hyperscore=63.7071
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
b9++
b8++
b11++
b7++
b8
b9
y8
b5
b2
b2−NH3
y3−H2O
y3−NH3
b3
y7++−H2O
y7++
b7
y9++−H2O
y9++−NH3
y11++
y6−NH3
b12++
y13++−NH3
y13++−H2O
y7−NH3
y7−H2O

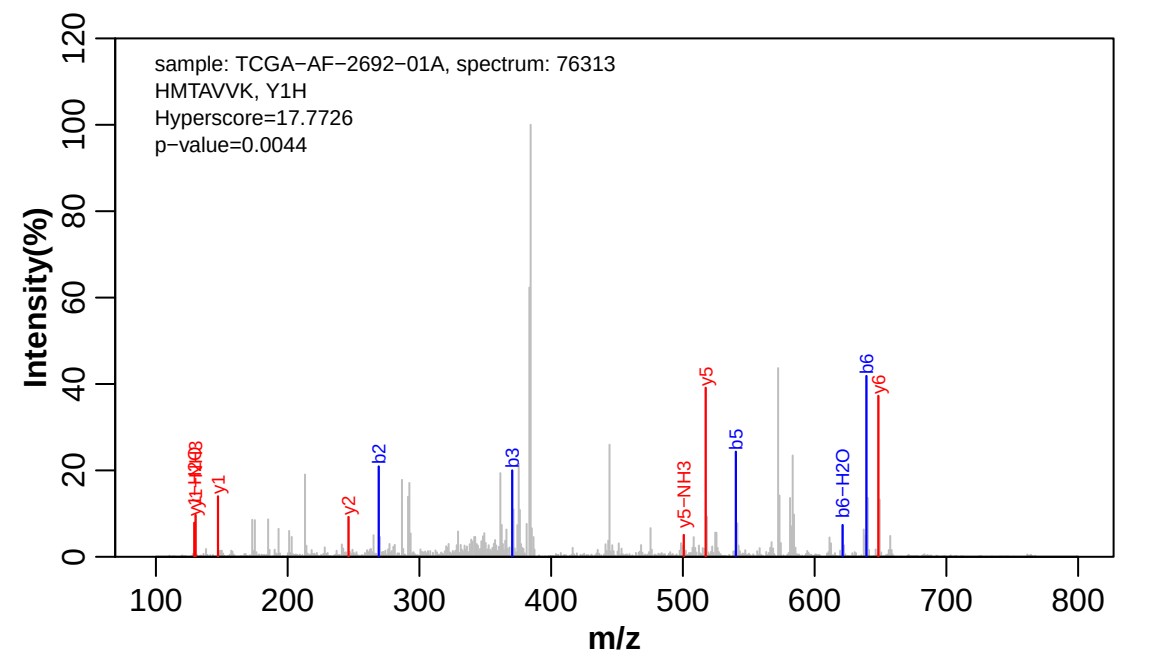

sample: TCGA−AF−2692−01A, spectrum: 6242
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=80.2314
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b11
b12
y5++
y3
y7++
b5−H2O
b5
b6
b8
b15++−NH3
y9
b7++−H2O

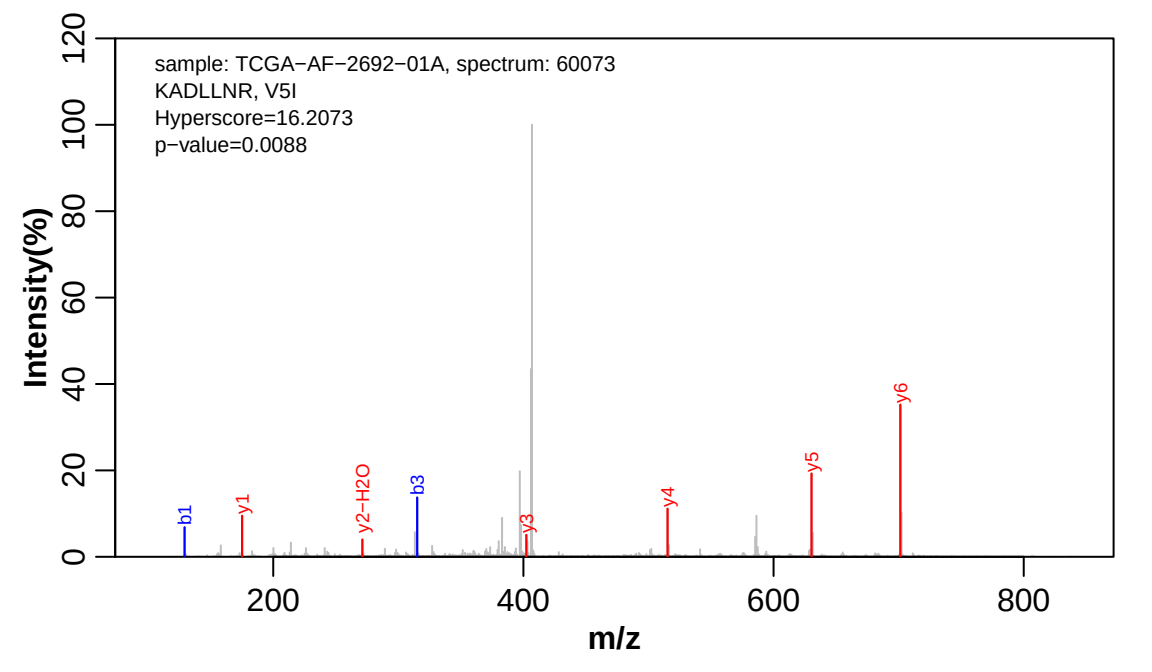

sample: TCGA−AF−2692−01A, spectrum: 124192
GGTLSTPQTGSENDALYEYLR, G5S
Hyperscore=67.8697
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5++
b5−H2O
y3
b6−H2O
b6
y4
y10++
b16++
y5
y15++
y16++
y17++
b20++
y18++
b15

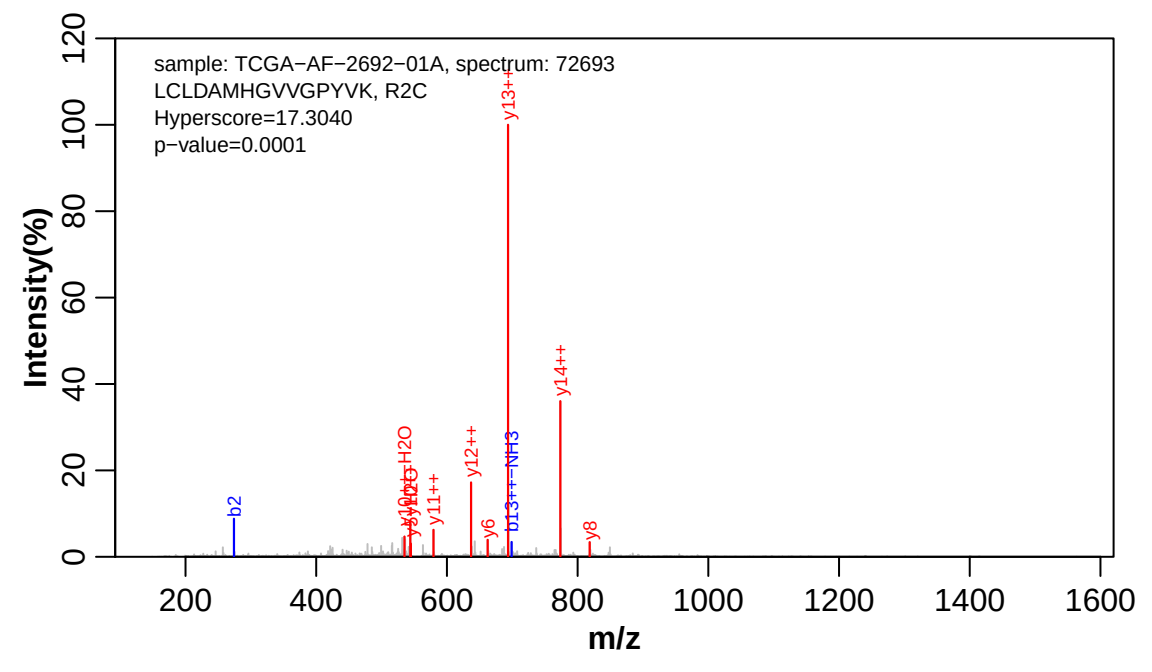

sample: TCGA−AF−2692−01A, spectrum: 6383
GLLDLLEER, V3I
Hyperscore=37.2968
p−value=0.0038
Intensity(%)
m/z
y1
b2
y2−H2O
b3
y2
b4
y3−H2O
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
y6−H2O
b7
y6
b8
y7

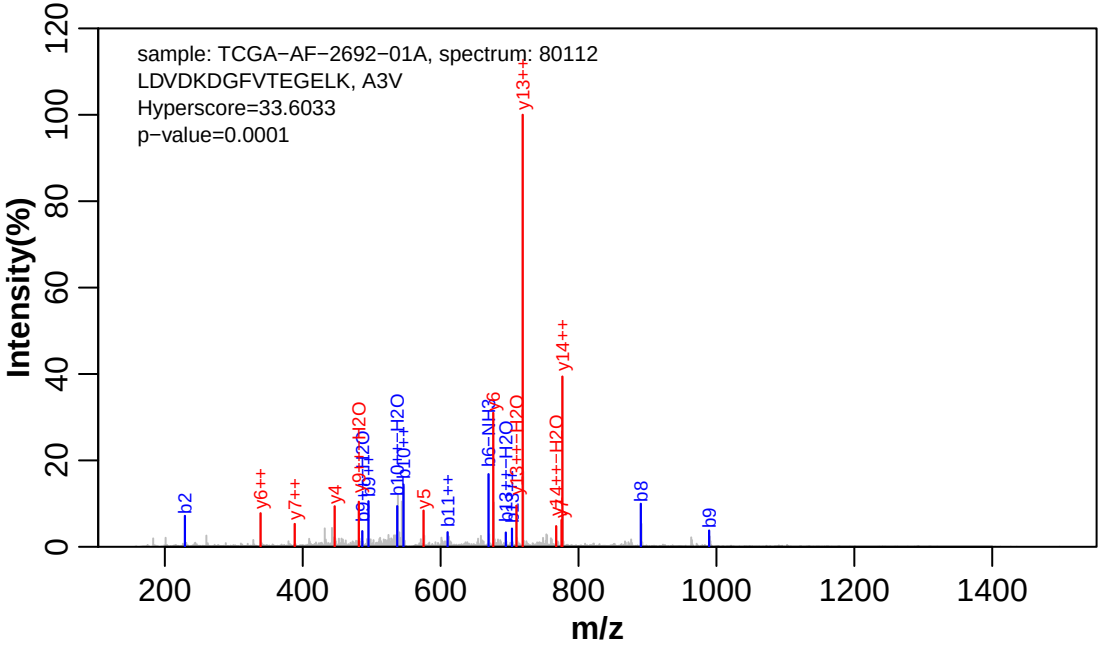

sample: TCGA−AF−2692−01A, spectrum: 40184
GQTGALLQNTVESLSK, D9N
Hyperscore=51.4793
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
y4
y5
y6
b15

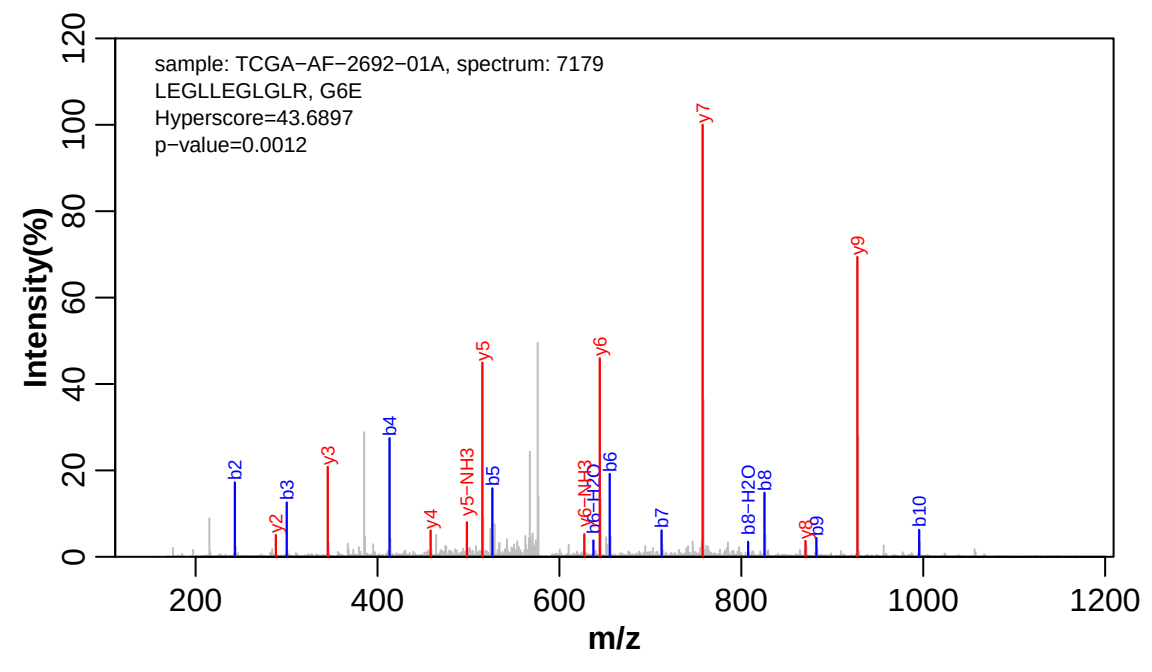

sample: TCGA−AF−2692−01A, spectrum: 49152
GRPVPMVLPDELAPTYSEDTR, M7V
Hyperscore=43.6325
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y8++
y9++
y11++
b6
b12++
b7-H2O
b7-NH3
y8
y13++
y14++
b8
b16++
b17++
y8-NH3
y8-H2O
b18++-H2O
b19++y9
b12
b13
y13

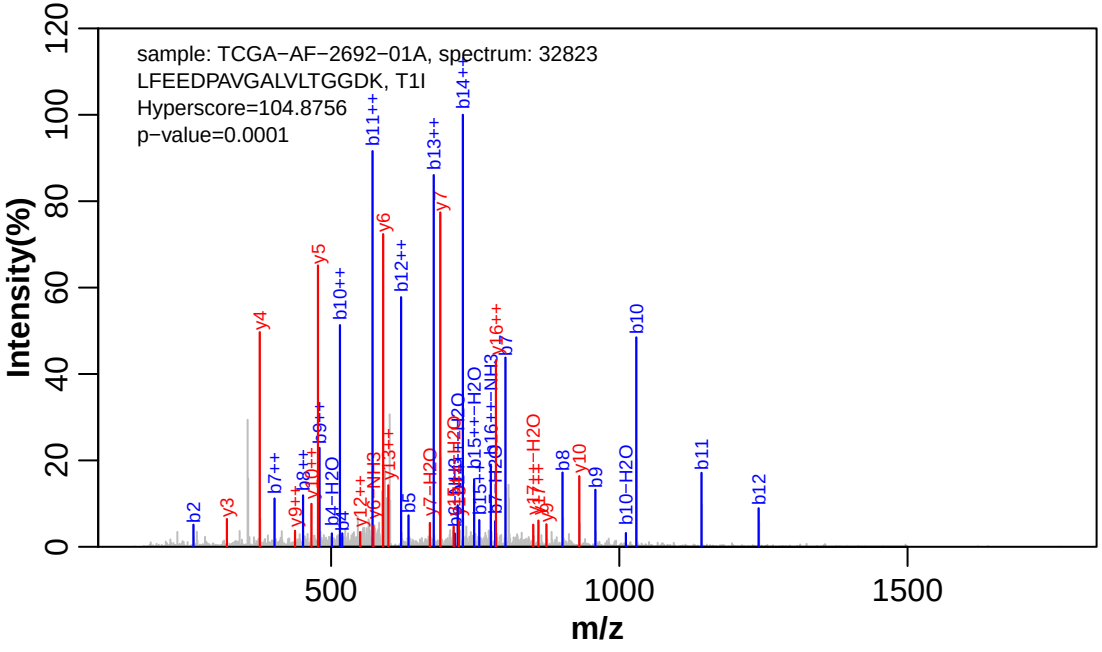

sample: TCGA−AF−2692−01A, spectrum: 76313
HMTAVVK, Y1H
Hyperscore=17.7726
p−value=0.0044
Intensity(%)
m/z
y1
y2
b2
b3
y5−NH3
y5
b5
b6−H2O
b6
y6

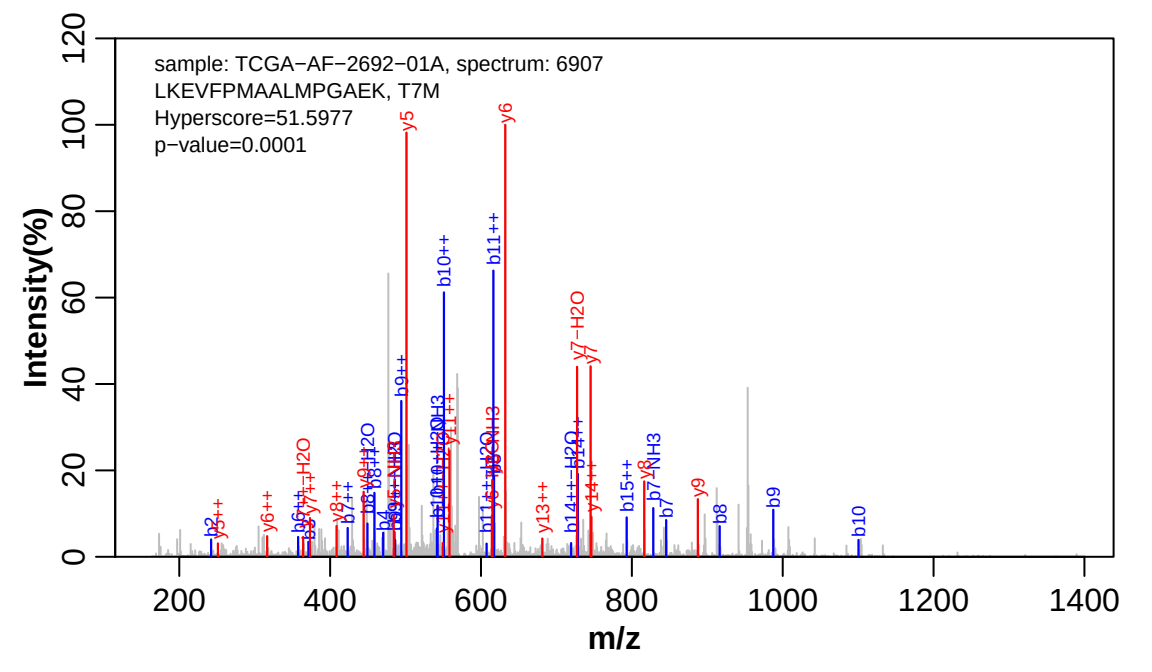

sample: TCGA−AF−2692−01A, spectrum: 60073
KADLLNR, V5I
Hyperscore=16.2073
p−value=0.0088
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b1
y1
y2−H2O
b3
y3
y4
y5
y6

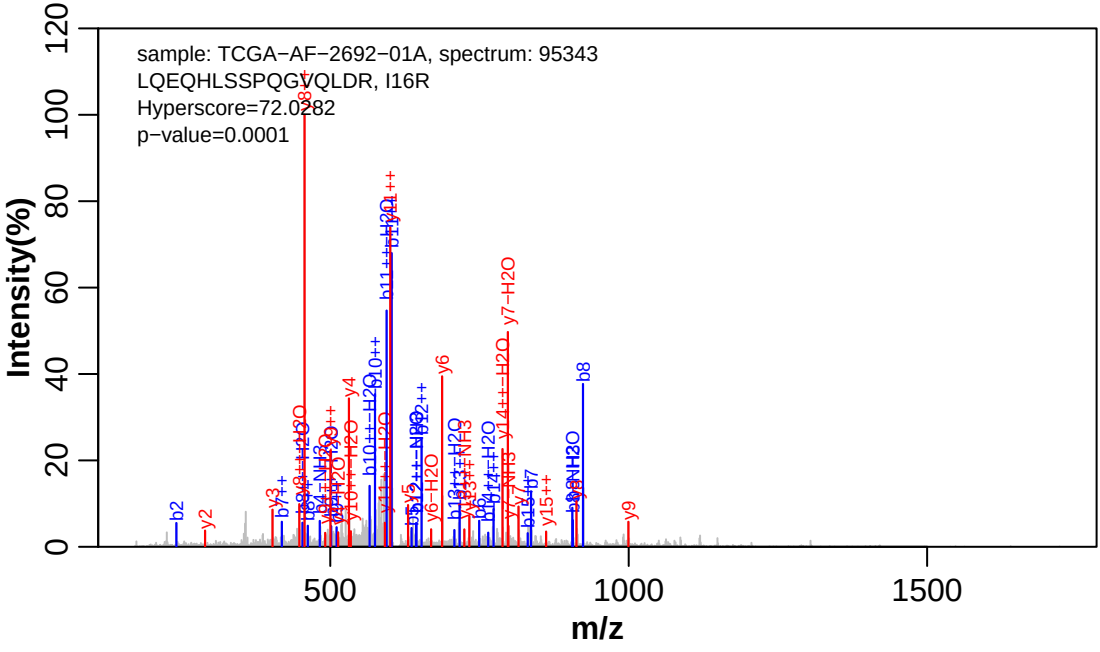

sample: TCGA−AF−2692−01A, spectrum: 72693
LCLDAMHGVVGPYVK, R2C
Hyperscore=17.3040
p−value=0.0001
Intensity(%)
m/z
b2
y11++
y12++
y6
b13++−NH3
y13++
y14++
y8
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

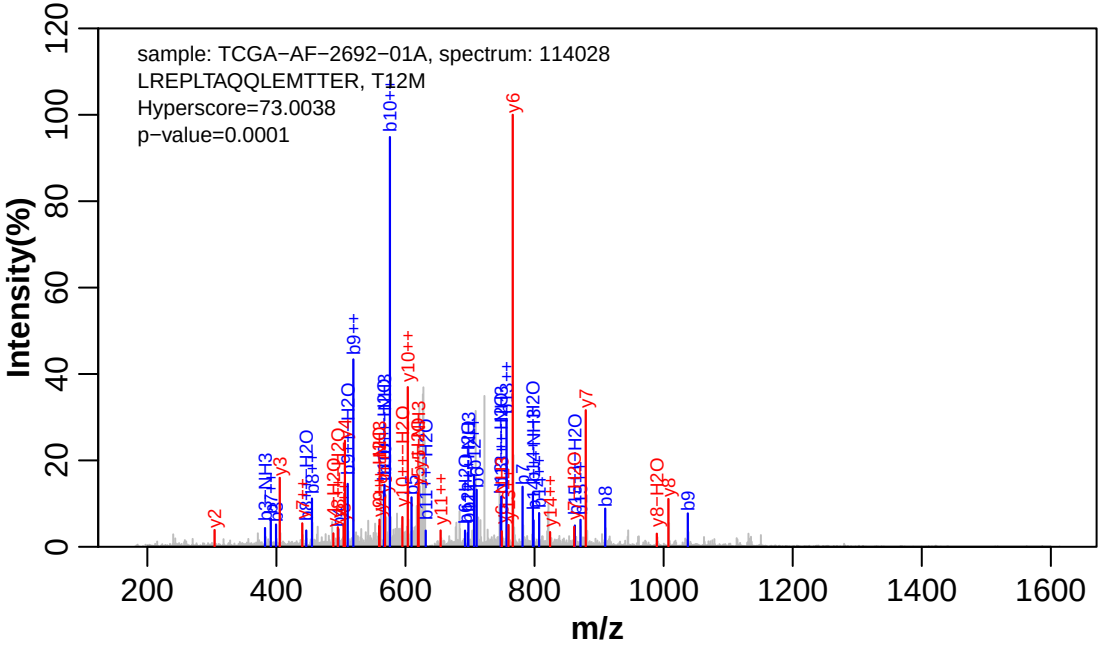

sample: TCGA−AF−2692−01A, spectrum: 80112
LDVDKDGFVTEGELK, A3V
Hyperscore=33.6033
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y6++
y7++
y4
b10++−H2O
y5
b11++
b6−NH3
y13++
y14++−H2O
y14++
b8
b9

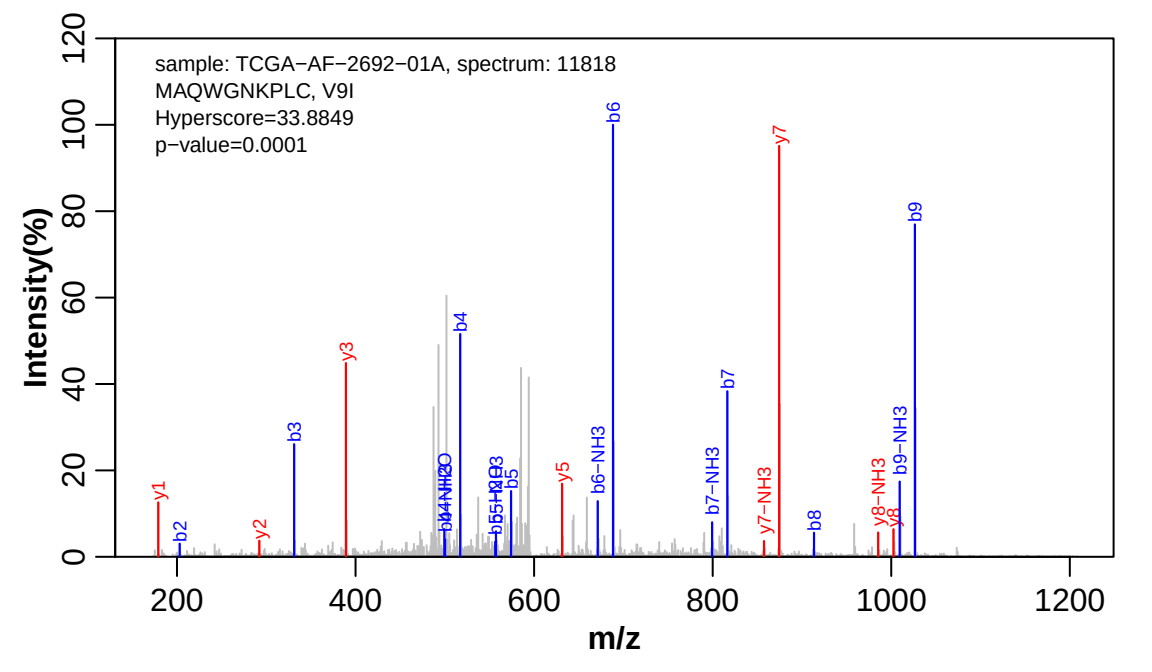

sample: TCGA−AF−2692−01A, spectrum: 7179
LEGLLEGLGLR, G6E
Hyperscore=43.6897
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4
y4
y5−NH3
y5
b5
y6−NH3
b6−H2O
y6
b6
b7
b8−H2O
b8
y8
b9
y7
y9
b10

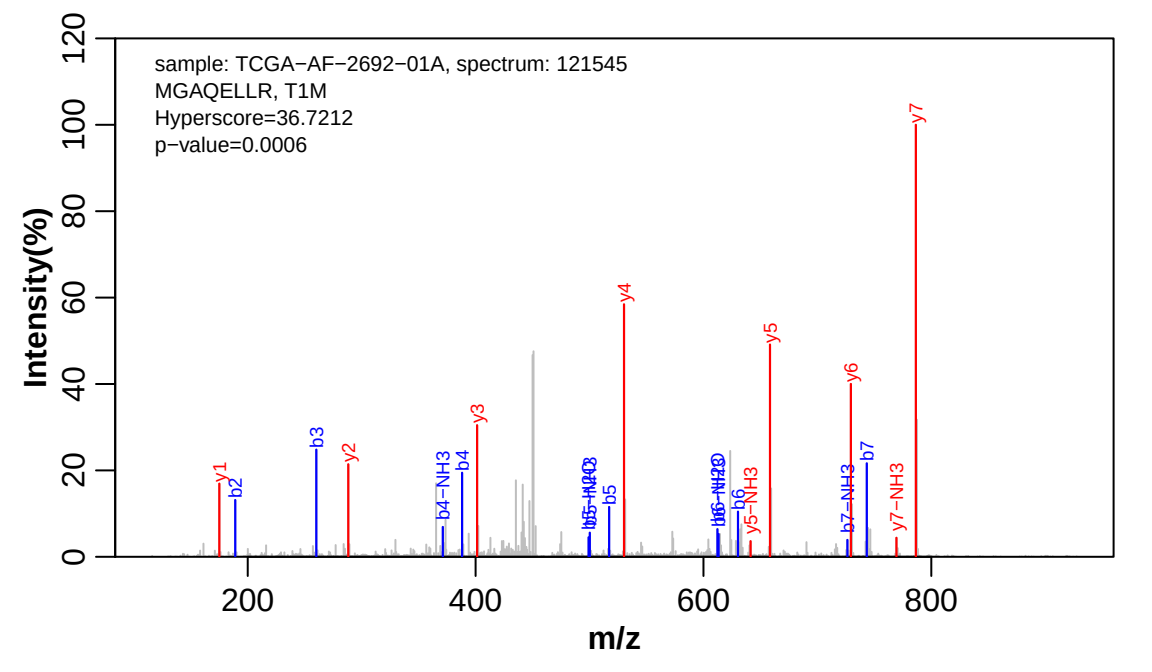

sample: TCGA−AF−2692−01A, spectrum: 32823
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=104.8756
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y4
b7++
y5
b10++
b11++
y6
b12++
b13++
y7
b14++
b10
b11
b12
b9
b8
y10
b10−H2O
b7
y16++
b15++−H2O
b15++−NH3
b7−H2O
b7−NH3
y17++−H2O
y13++
y12++
y8−NH3
b5
y7−H2O
b4−H2O
b4
y8++
b9++
y9++
y8++

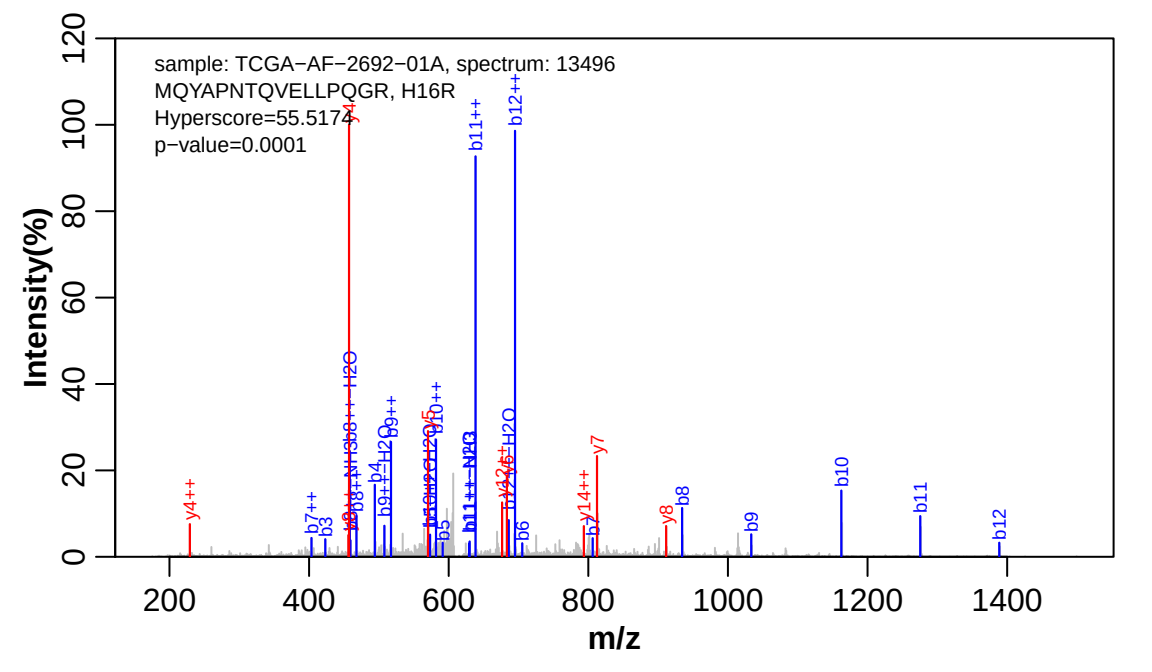

sample: TCGA−AF−2692−01A, spectrum: 6907
LKEVFPMAALMPGAEK, T7M
Hyperscore=51.5977
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y6
b10++
b11++
b9++
y7−H2O
y11++
y6++
y3++
y8++
b15++
y9
b8
b9
b10
y13++
y14++

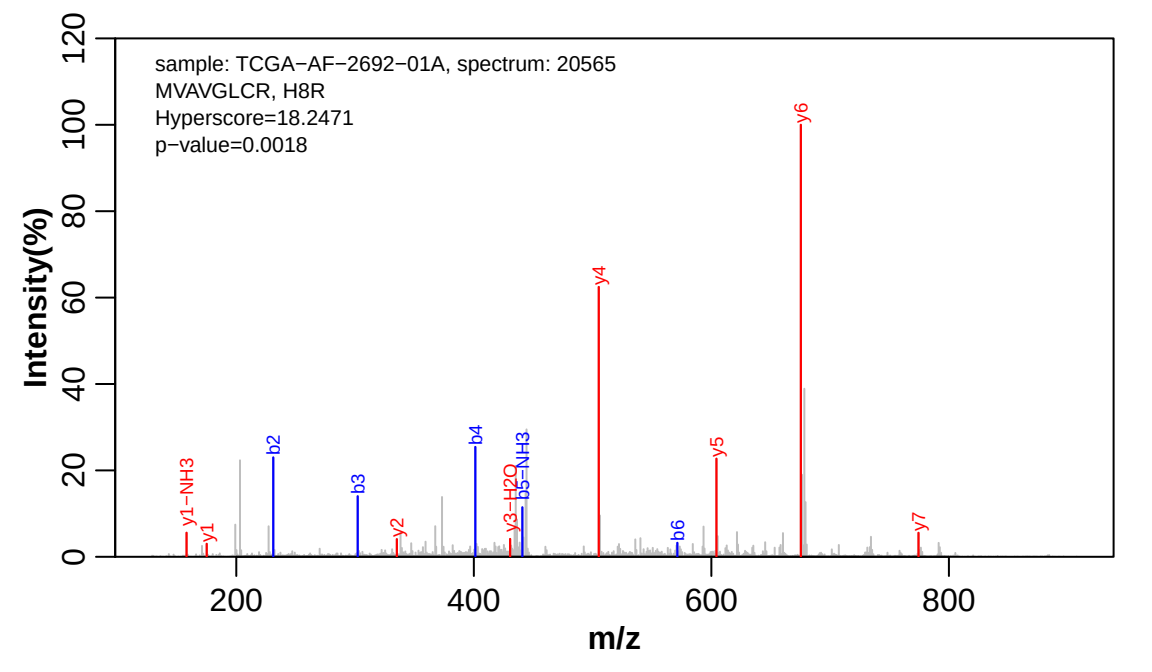

sample: TCGA−AF−2692−01A, spectrum: 95343
LQEQHLSSPQGVQLDR, I16R
Hyperscore=72.0282
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
y3
b7++
y8++
y8
b8++−H2O
b7++−NH3
y4
y10++−H2O
b10++−H2O
y11++−H2O
b11++−H2O
b11++
y5
y6−H2O
y6
b12++−NH3
b12++
b13++−H2O
b13++−NH3
y7++
b6
b6++−H2O
y7−NH3
y14++−H2O
y7−H2O
b14−b7
y15++
b8−NH3
b8−H2O
b8
y9

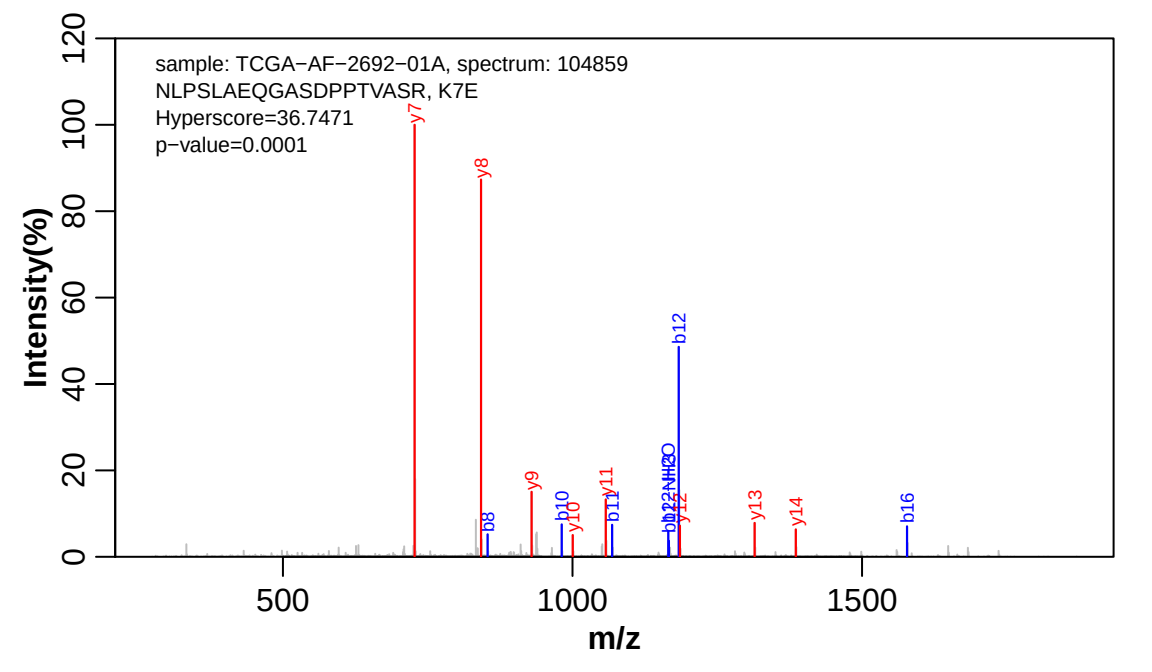

sample: TCGA−AF−2692−01A, spectrum: 114028
LREPLTAQQLEMTTER, T12M
Hyperscore=73.0038
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b10++
y6
b9++
y10++
y7
b8
y8−H2O
y8
b9
y2
y3
y11++

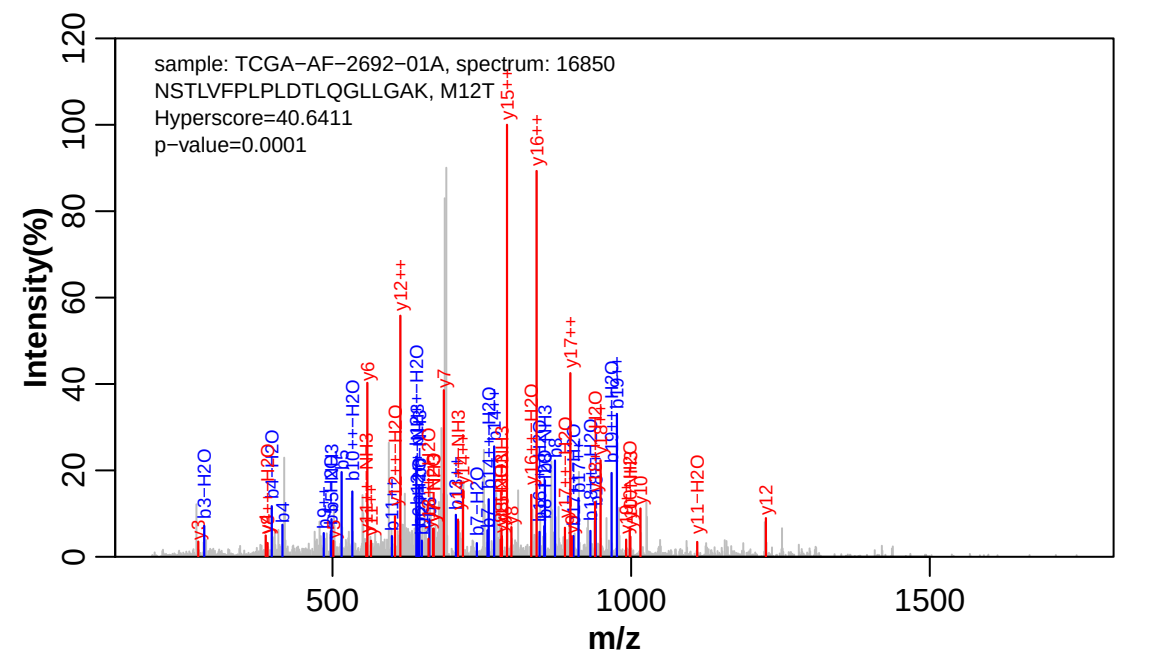

sample: TCGA−AF−2692−01A, spectrum: 11818
MAQWGNKPLC, V9I
Hyperscore=33.8849
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2
y2
b3
y3
b4
b4−NH2O
b4−NH3
b5−H2O
b5−NH3
b5
y5
b6−NH3
b6
b7−NH3
b7
y7−NH3
y7
b8
y8−NH3
y8
b9−NH3
b9

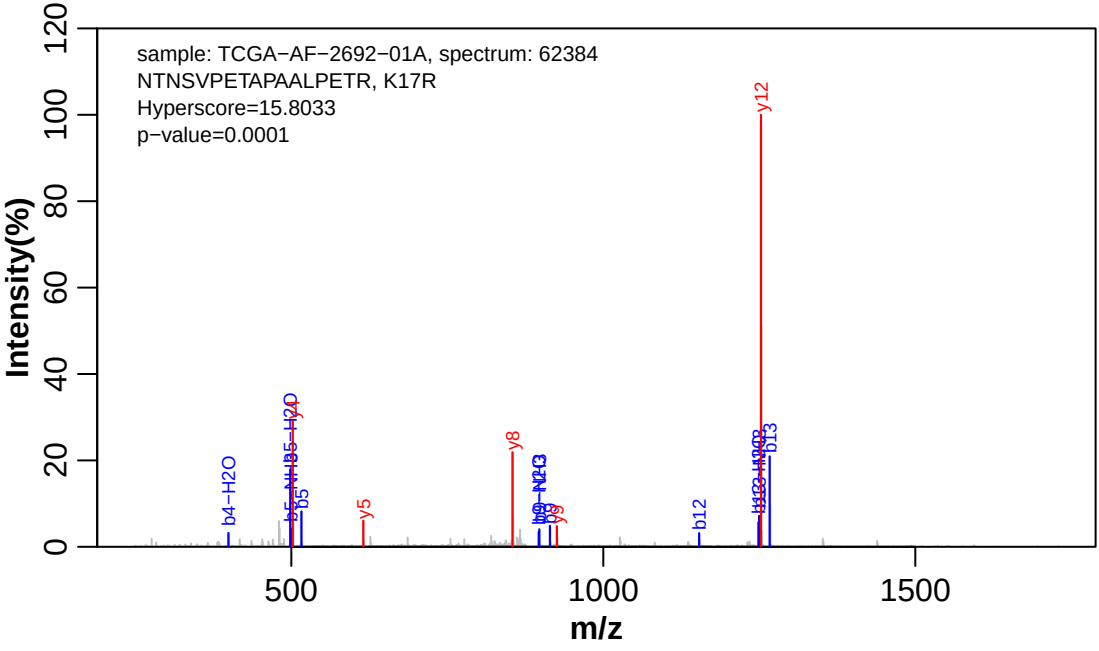

sample: TCGA−AF−2692−01A, spectrum: 121545
MGAQELLR, T1M
Hyperscore=36.7212
p−value=0.0006
Intensity(%)
m/z
y1
b2
b3
y2
b4−NH3
b4
y3
b5
y4
y5−NH3
y5
b6
b7−NH3
b7
y6
y7−NH3
y7

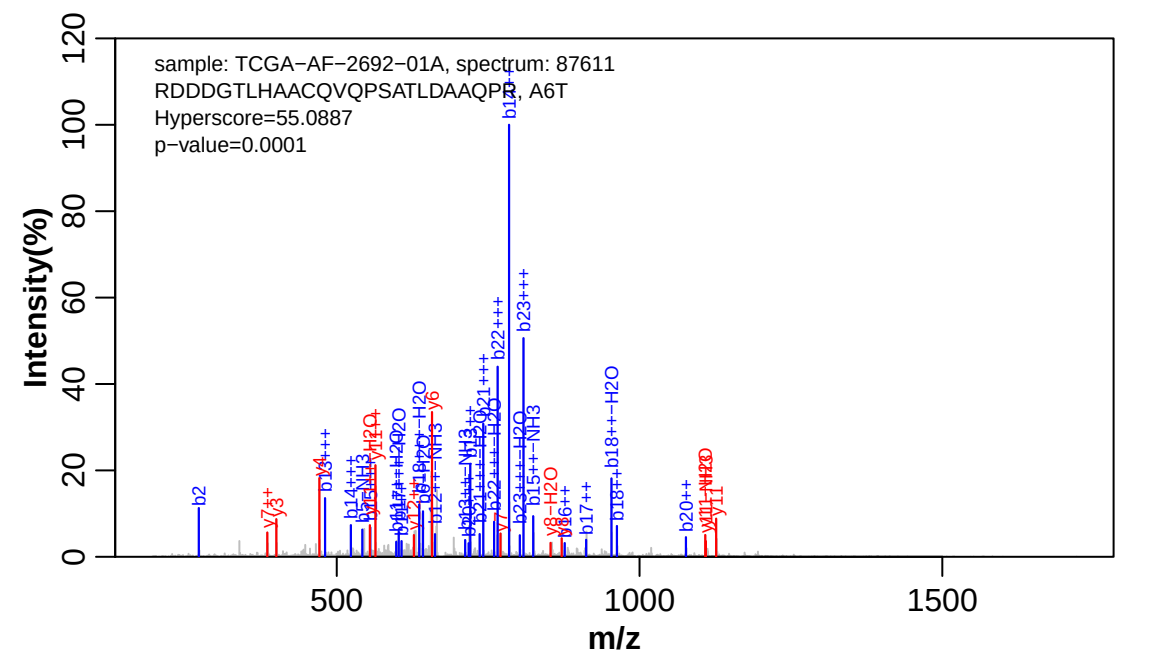

sample: TCGA−AF−2692−01A, spectrum: 13496
MQYAPNTQVELLPQGR, H16R
Hyperscore=55.5174
p−value=0.0001
Intensity(%)
m/z
y4++
b7++
b3
y1
b8++−NH3
b8++−NH3−H2O
b4
b9++−H2O
b9++
b5
b10++
b11++
b11++−H2O
b12++
b12++−H2O
b6
y7
y14++
b7
y8
b8
b9
b10
b11
b12

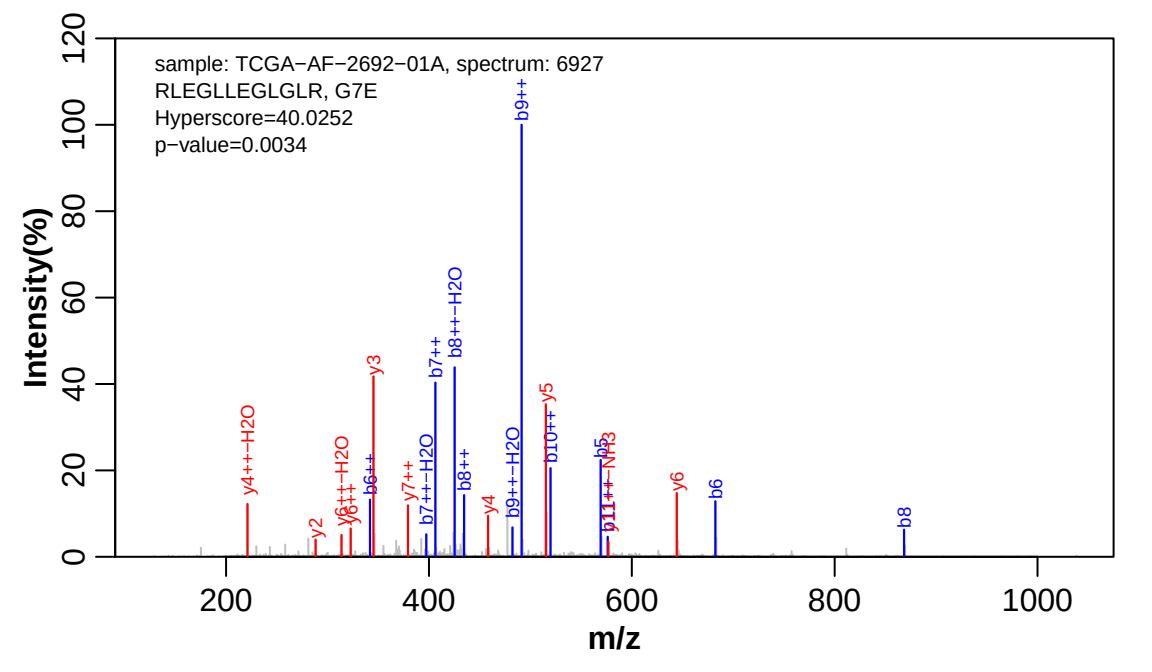

sample: TCGA−AF−2692−01A, spectrum: 20565
MVAVGLCR, H8R
Hyperscore=18.2471
p−value=0.0018
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2
b3
y2
b4
y3−H2O
b5−NH3
y4
b6
y5
y6
y7

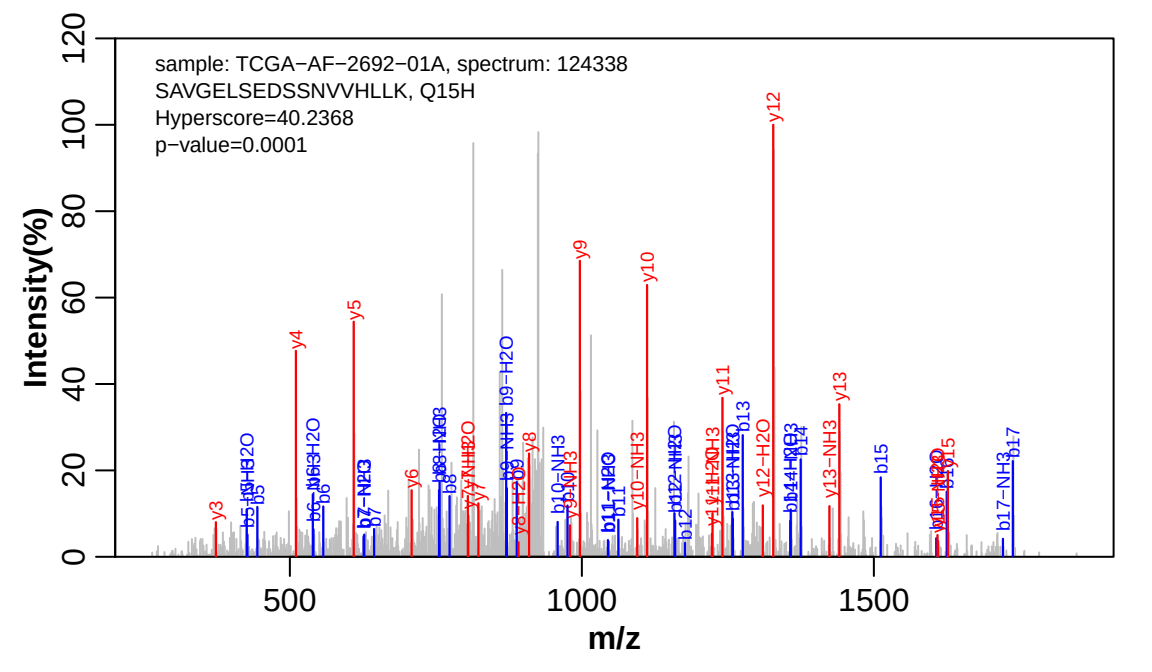

sample: TCGA−AF−2692−01A, spectrum: 104859
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=36.7471
p−value=0.0001
Intensity(%)
m/z
y7
y8
y9
b8
b10
y10
y11
b11
b12
y12
y13
y14
b16

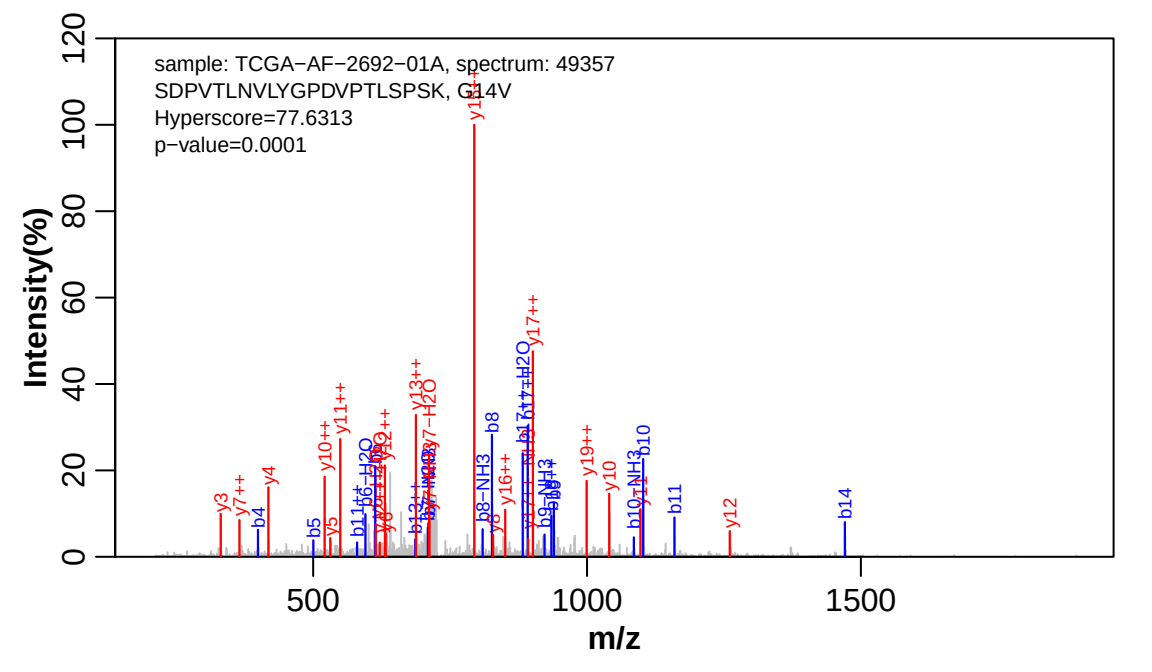

sample: TCGA−AF−2692−01A, spectrum: 16850
NSTLVFPLPLDTLQGLLGAK, M12T
Hyperscore=40.6411
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y15++
y16++
y12++
y7
y6
y17++
y12
y11−H2O
b3−H2O
b10++−H2O
b11++−H2O
b7++−H2O
b17++−H2O
b18++−H2O
b19++−H2O
y16++−H2O
y17++−H2O
y11++−NH3
b11++−NH3
b7++−NH3
b17++−NH3
b18++−NH3
y16++−NH3
y17++−NH3

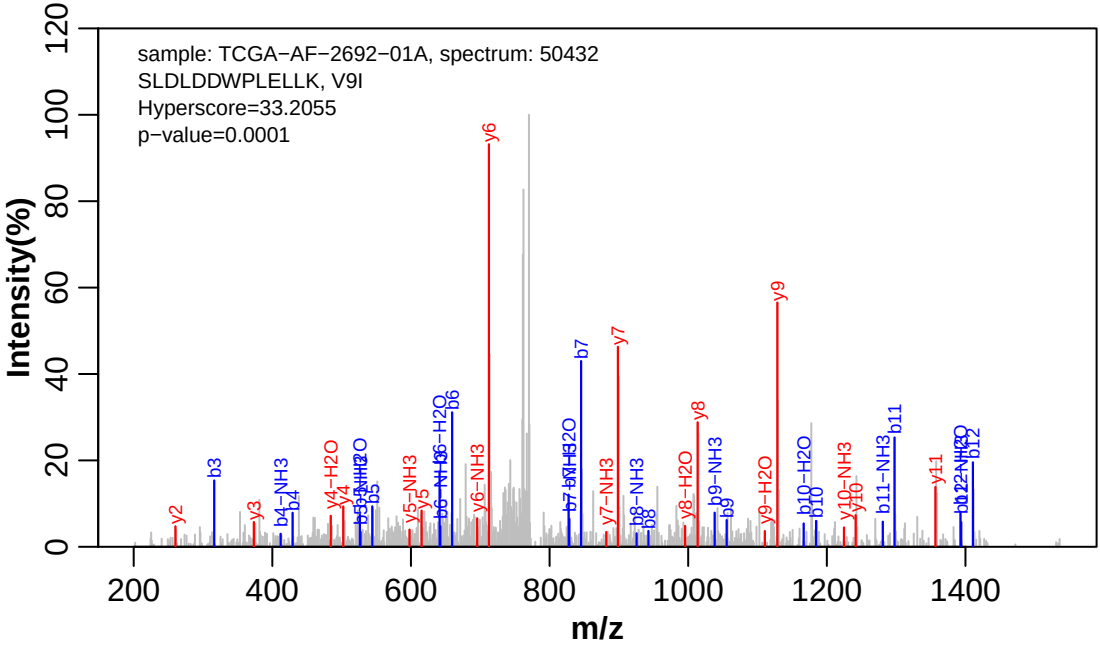

sample: TCGA−AF−2692−01A, spectrum: 62384
NTNSVPETAPAALPETR, K17R
Hyperscore=15.8033
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y8
y5
b4−H2O
b5
b12
b13

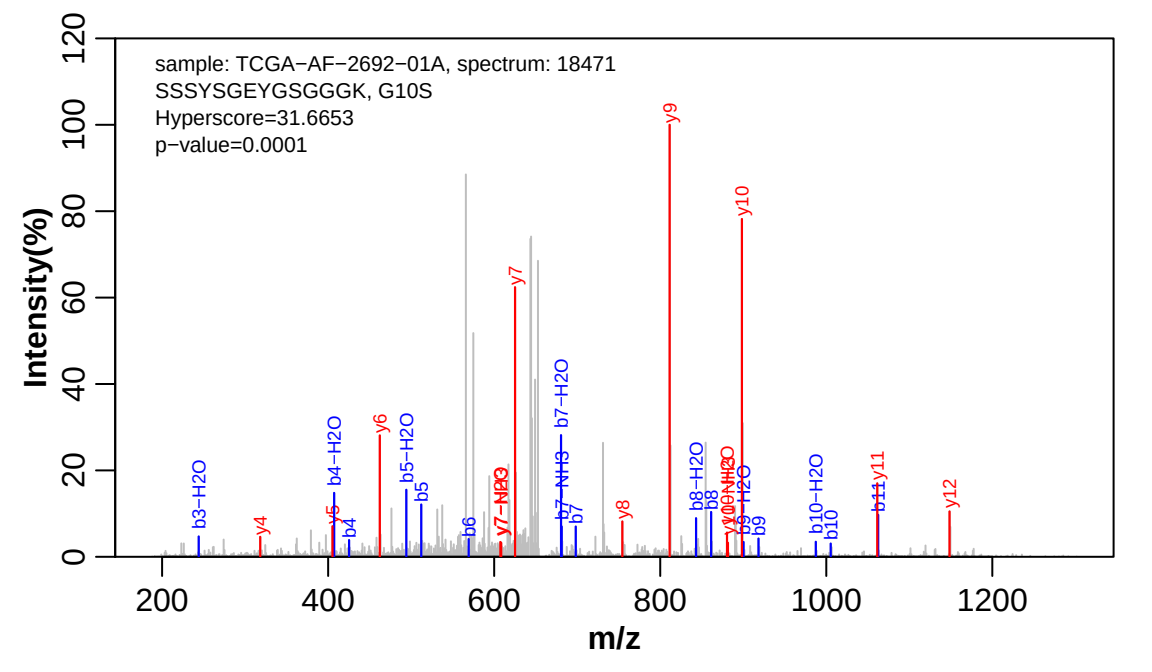

sample: TCGA−AF−2692−01A, spectrum: 87611
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=55.0887
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y7++
y3+
b3++
b14+++
b15++−NH3
b16++−H2O
b17++
b18++−H2O
b20++
b12+++
b23+++
b15++−NH3
b23+++−H2O
b22+++
b21+++−H2O
b21+++−NH3
b18+++−H2O
y6
y8−H2O
b6++
y11++

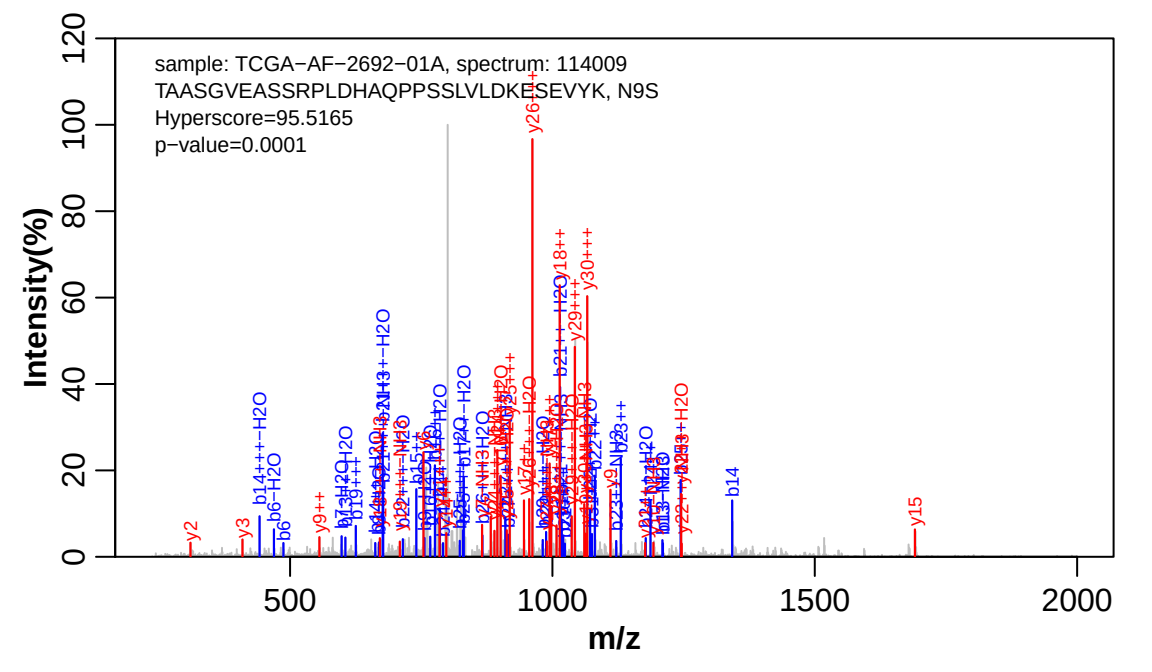

sample: TCGA−AF−2692−01A, spectrum: 6927
RLEGLLEGLGLR, G7E
Hyperscore=40.0252
p−value=0.0034
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y4++−H2O
y2
y6++−H2O
y6++
b6++
y3
b7++−H2O
y7++
b7++
b8++−H2O
b8++
y4
b9++−H2O
b9++
y10++
y5
b5
y11++−NH3
y6
b6
b8

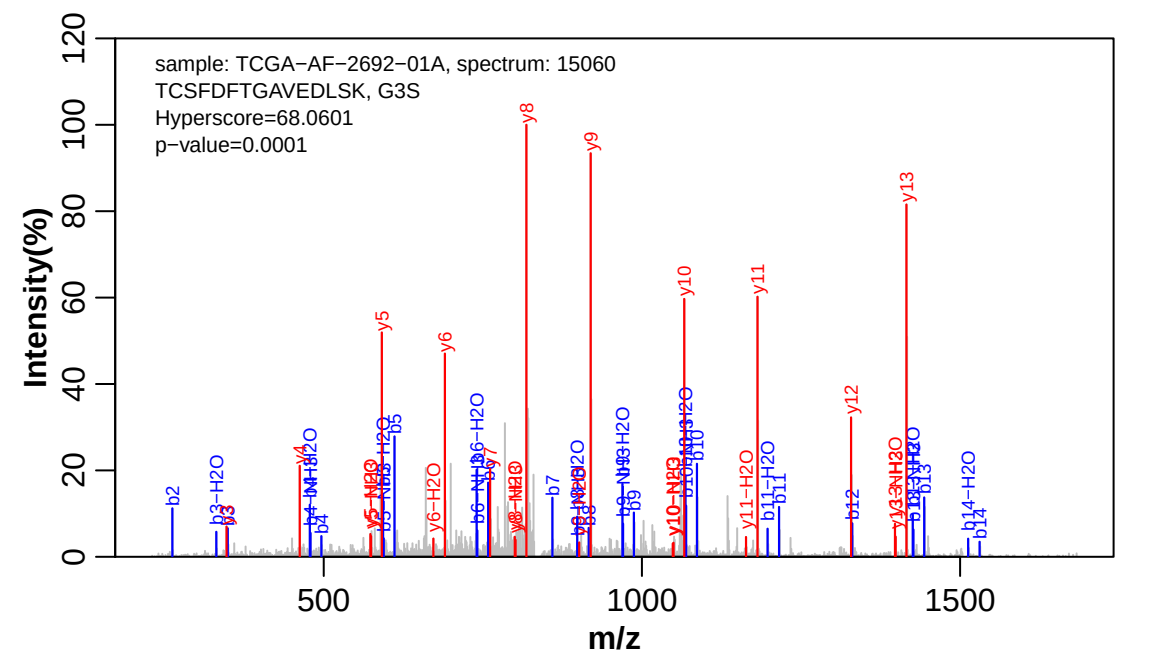

sample: TCGA−AF−2692−01A, spectrum: 124338
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=40.2368
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y9
y10
y5
y4
y11
y13
b9−H2O
b15
b17−NH3
y8
y6
y3
b10−NH3
y10−NH3
y13−NH3
y12−H2O

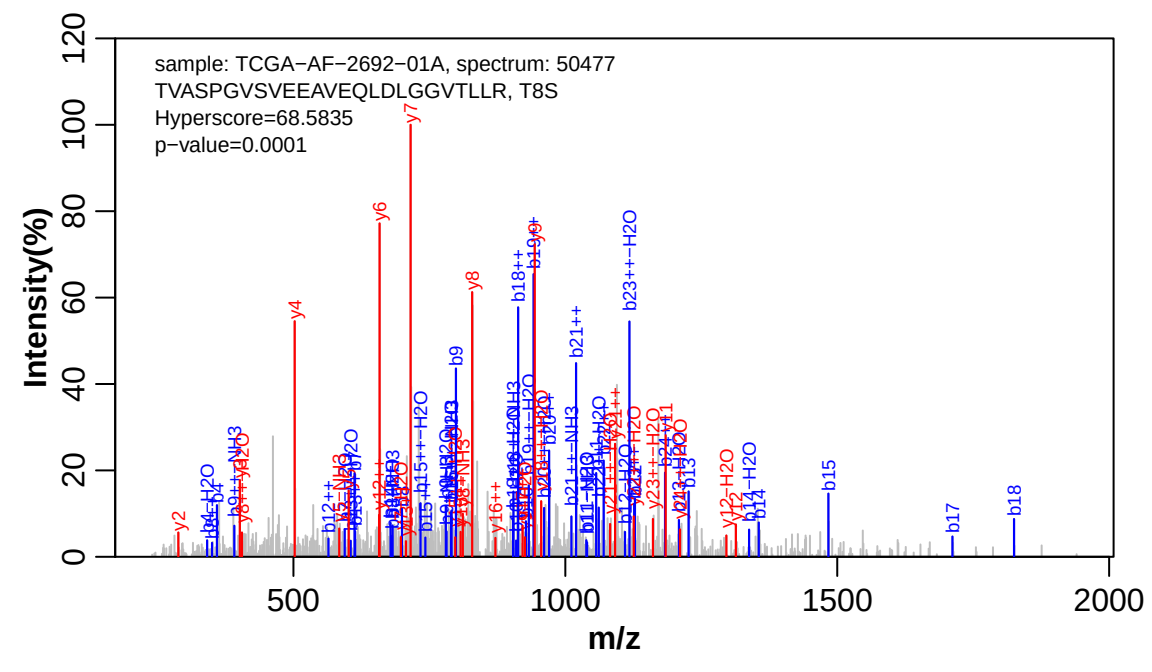

sample: TCGA−AF−2692−01A, spectrum: 49357
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=77.6313
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y7++
b4
y4
b5
y5
y10++
y11++
b11−H2O
b6−H2O
y13++
b13++
b8−NH3
b8
y6
y16++
y17++
y19++
y10
b10−NH3
b10
b11
y12
b14

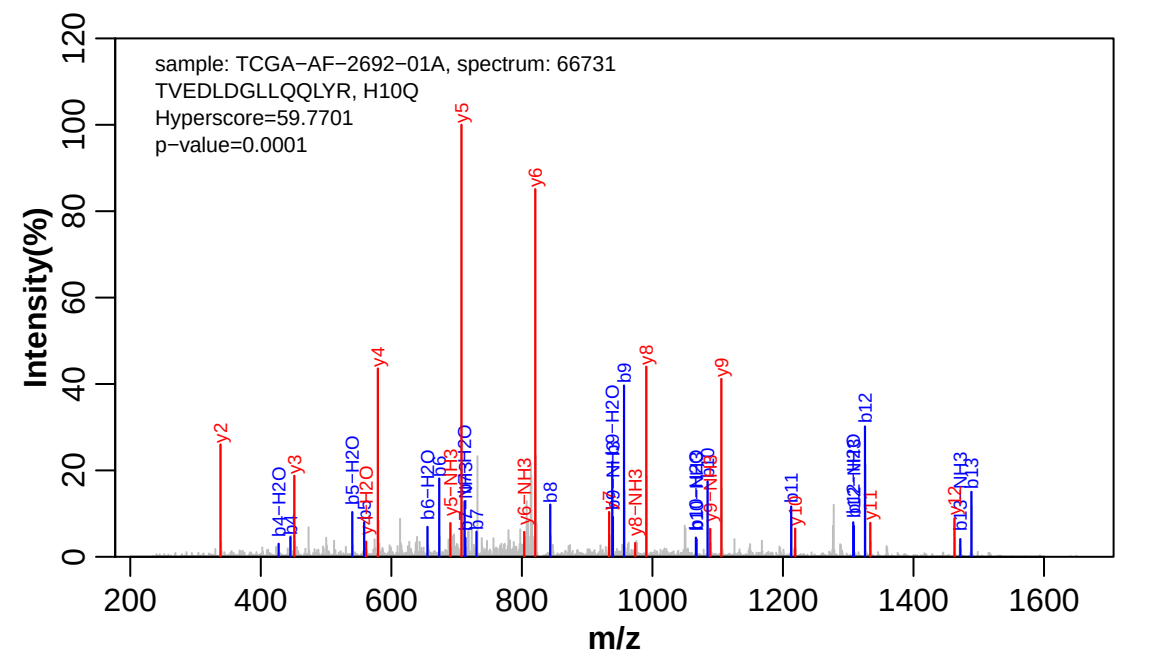

sample: TCGA−AF−2692−01A, spectrum: 50432
SLDLDDWPLELLK, V9I
Hyperscore=33.2055
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6
y9
y7
b7
y8
b11
y11
b12
b3
y2
y3
b4
b4−NH3
y4−H2O
y4
b5
b5−NH3
b5−H2O
y5−NH3
y5
b6
b6−H2O
y6−NH3
b7−NH3
b7−H2O
y7−NH3
b8
b8−NH3
y8−H2O
b9
b9−NH3
y9−H2O
b10
b10−H2O
y10
y10−NH3
b11−NH3
b12−NH3
b12−H2O

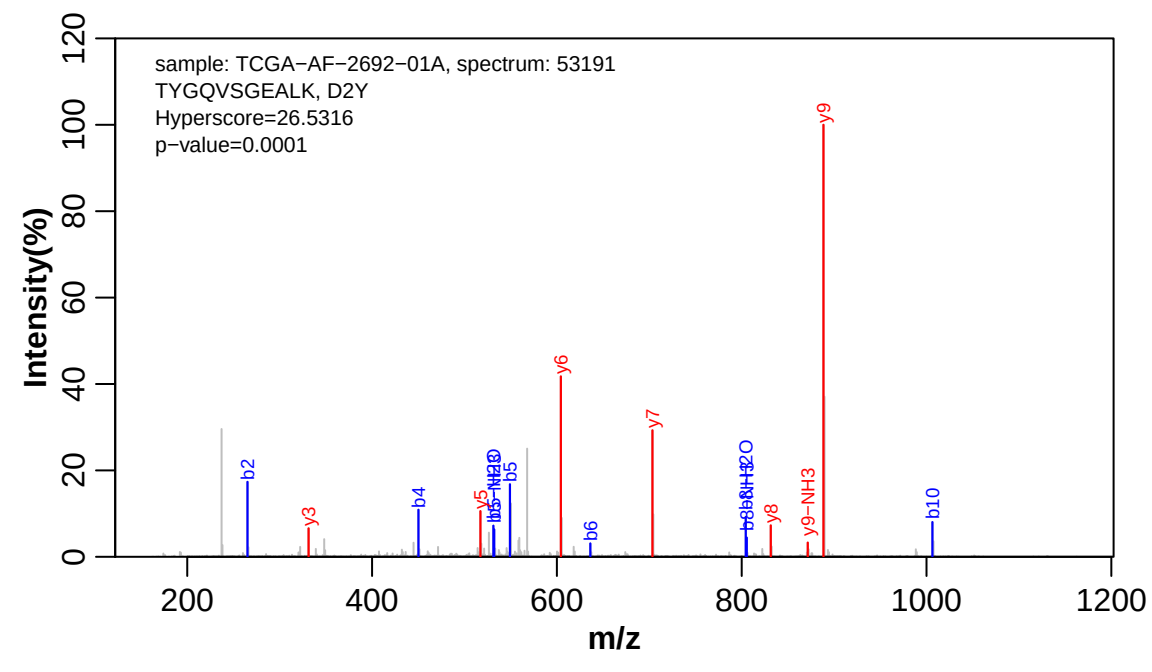

sample: TCGA−AF−2692−01A, spectrum: 18471
SSSYSGEYGSGGGK, G10S
Hyperscore=31.6653
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
y5
b4
b4−H2O
y6
b5−H2O
b5
b6
y7
y7−NH3
b7−NH3
b7−H2O
b7
y8
b8−H2O
b8
y9
y9−NH3
y9−H2O
b9
y10
b10−H2O
b10
b11
y11
y12

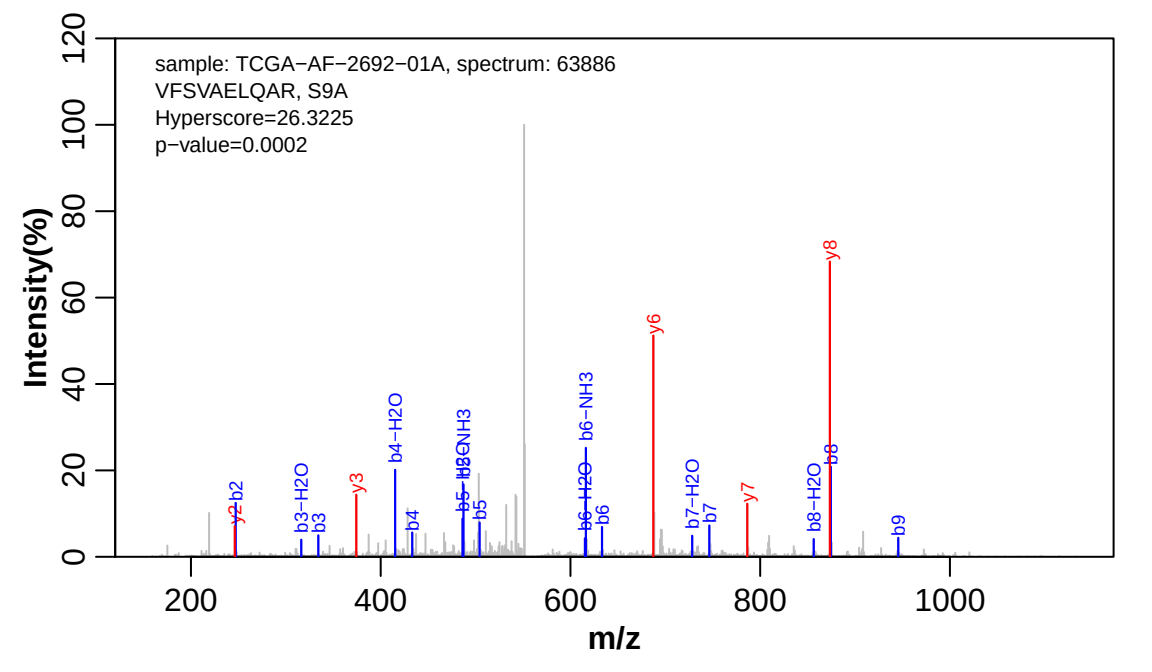

sample: TCGA−AF−2692−01A, spectrum: 114009
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=95.5165
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y26++
y30+++
y15
b14
y2
y3
b6−H2O
b14+++−H2O
y9++

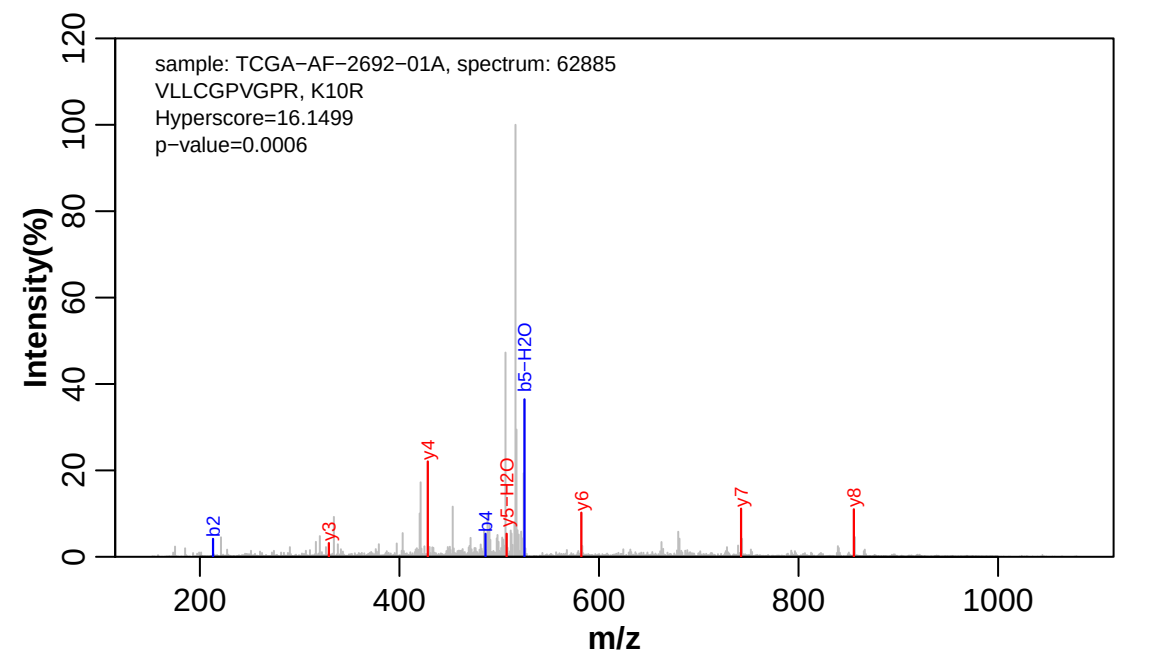

sample: TCGA−AF−2692−01A, spectrum: 15060
TCSFDFTGAVEDLSK, G3S
Hyperscore=68.0601
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y9
y13
y5
y6
y10
y11
y12
b2
b3−H2O
b5
b6−H2O
b7
b11
b12
b14−H2O

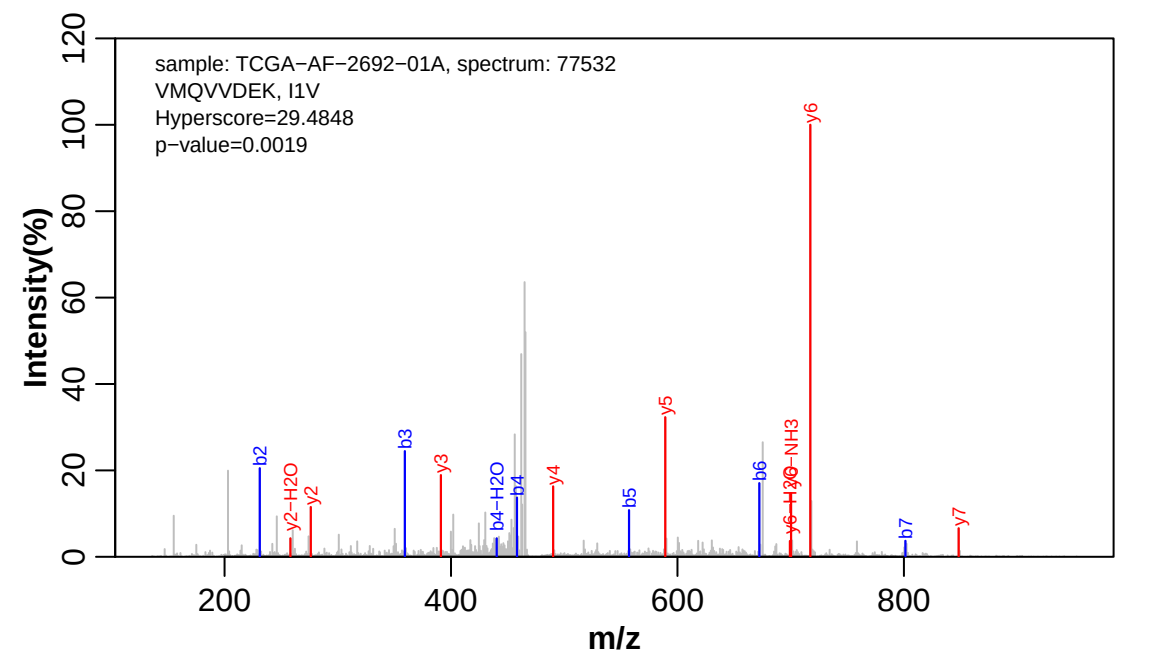

sample: TCGA−AF−2692−01A, spectrum: 50477
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=68.5835
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y4
y6
y7
y8
b9
b15
b17
b18
b21++
b23++−H2O

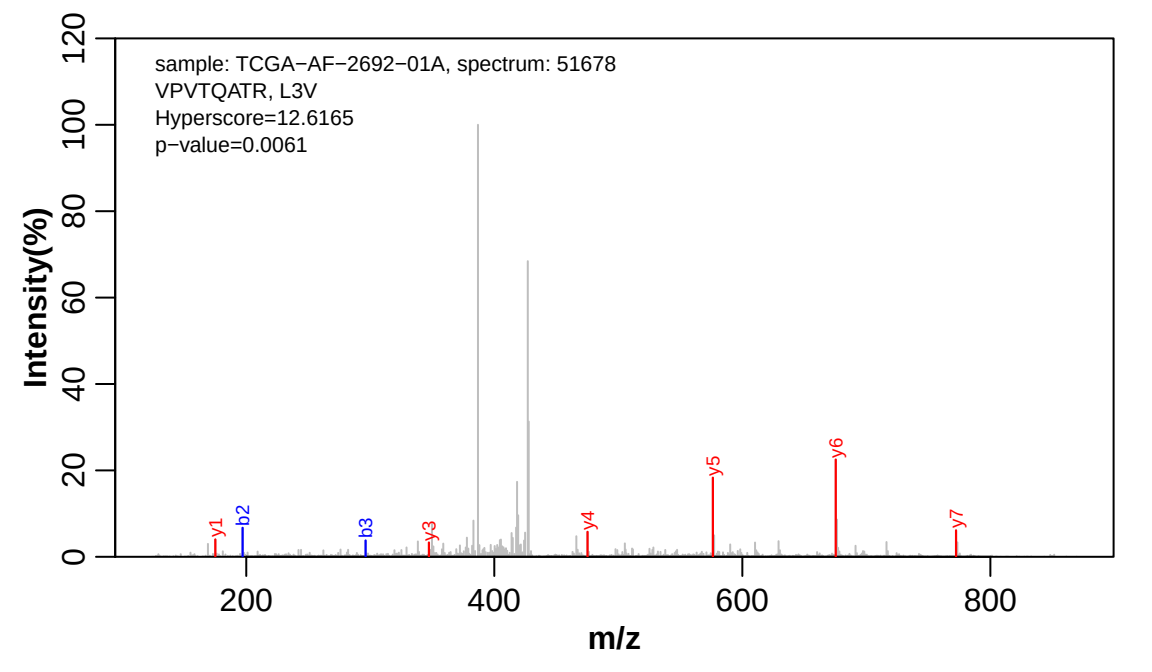

sample: TCGA−AF−2692−01A, spectrum: 66731
TVEDLDGLLQQLYR, H10Q
Hyperscore=59.7701
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4
y5
y6
y8
y9
b4−H2O
b4
b5−H2O
y4−H2O
b6−H2O
b6
y5−NH3
b7
y6−NH3
b8
b9
y8−NH3
b12
y11
b13

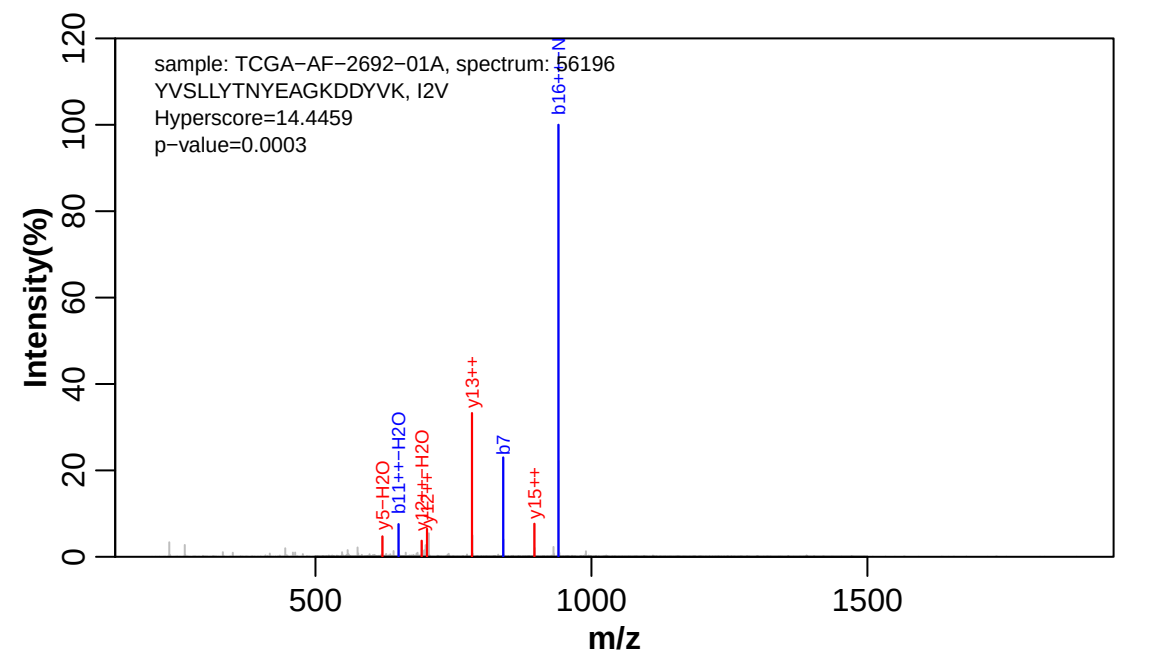

sample: TCGA−AF−2692−01A, spectrum: 53191
TYGQVSGEALK, D2Y
Hyperscore=26.5316
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
b4
y5
b5
y6
b6
y7
y8
y9
y9−NH3
b10

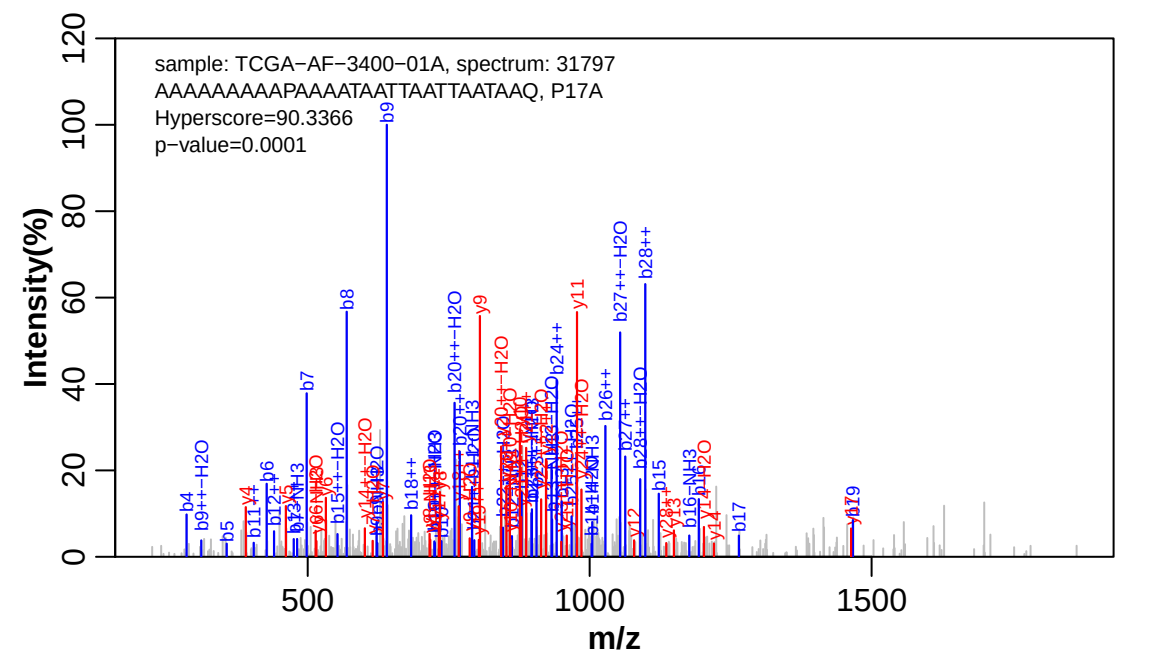

sample: TCGA−AF−2692−01A, spectrum: 63886
VFSVAELQAR, S9A
Hyperscore=26.3225
p−value=0.0002
Intensity(%)
m/z
y2
b2
b3−H2O
b3
y3
b4−H2O
b4
b5−NH3
b5
b6−NH3
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−H2O
b8
y8
b9

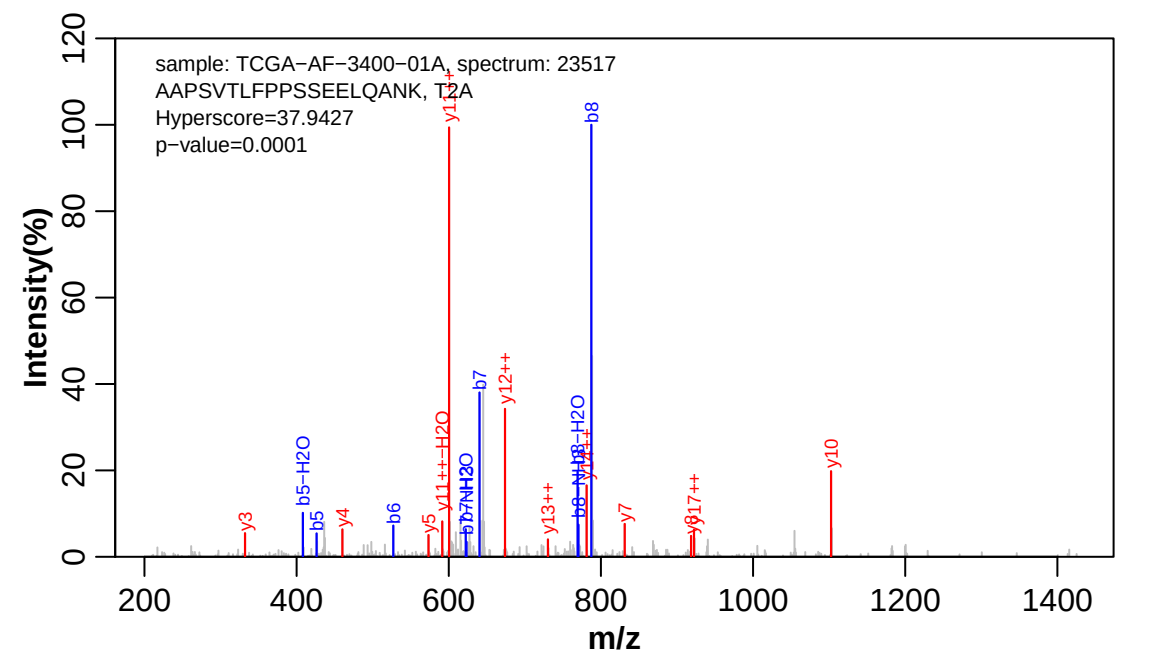

sample: TCGA−AF−2692−01A, spectrum: 62885
VLLCGPVGPR, K10R
Hyperscore=16.1499
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
y3
y4
b4
y5−H2O
b5−H2O
y6
y7
y8

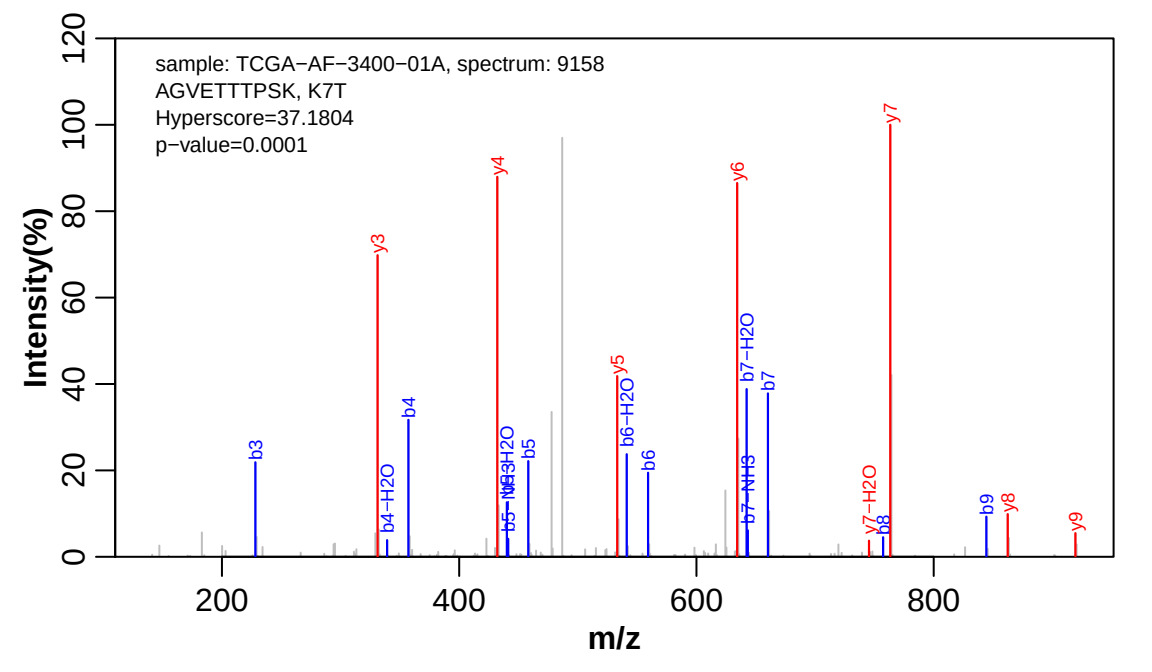

sample: TCGA−AF−2692−01A, spectrum: 77532
VMQVVDEK, I1V
Hyperscore=29.4848
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2−H2O
y2
b3
y3
b4−H2O
b4
y4
b5
y5
b6
y6−NH3
y6−H2O
y6
b7
y7

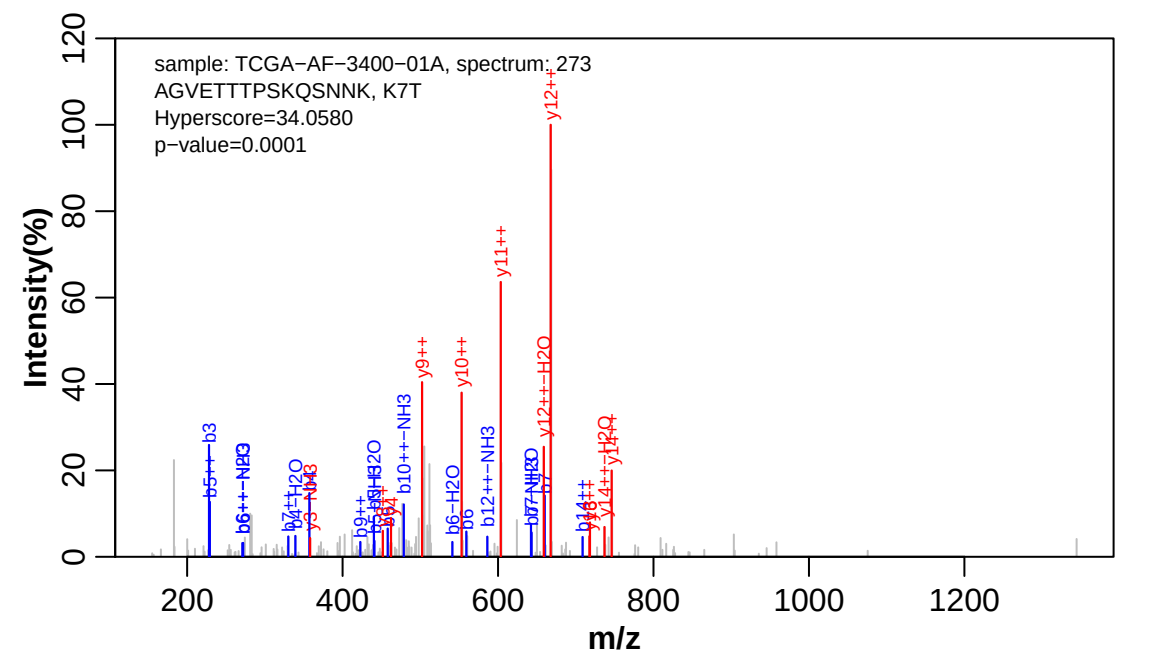

sample: TCGA−AF−2692−01A, spectrum: 51678
VPVTQATR, L3V
Hyperscore=12.6165
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
y4
y5
y6
y7

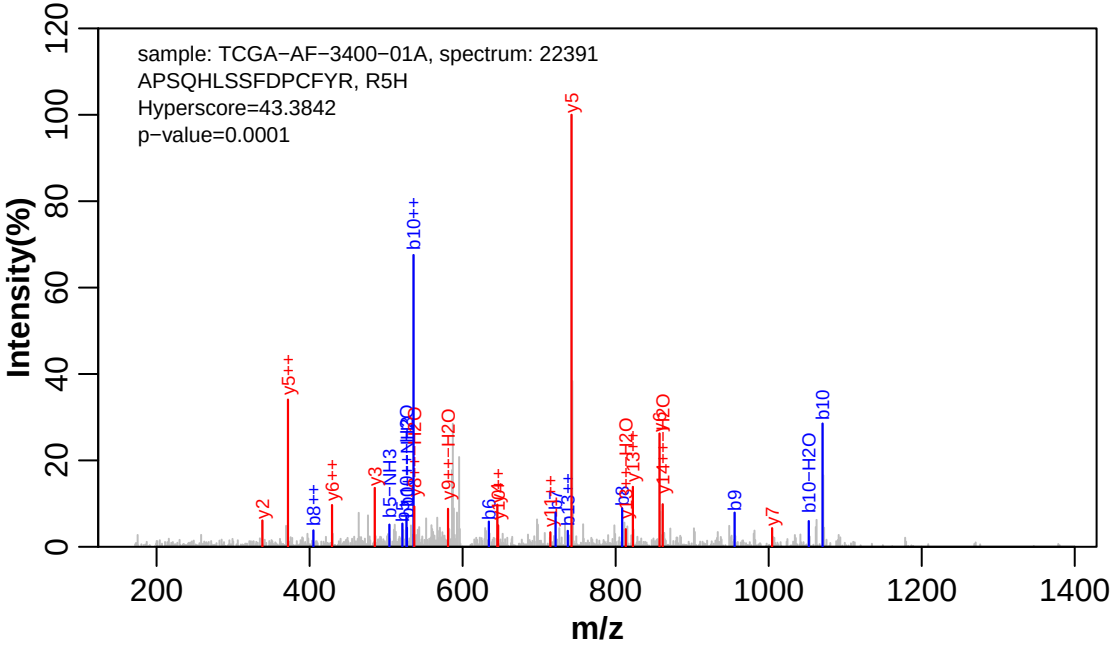

sample: TCGA−AF−2692−01A, spectrum: 56196
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=14.4459
p−value=0.0003
b16++−N
y13++
b7
y15++
y5−H2O
b11++−H2O
y12++−H2O
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

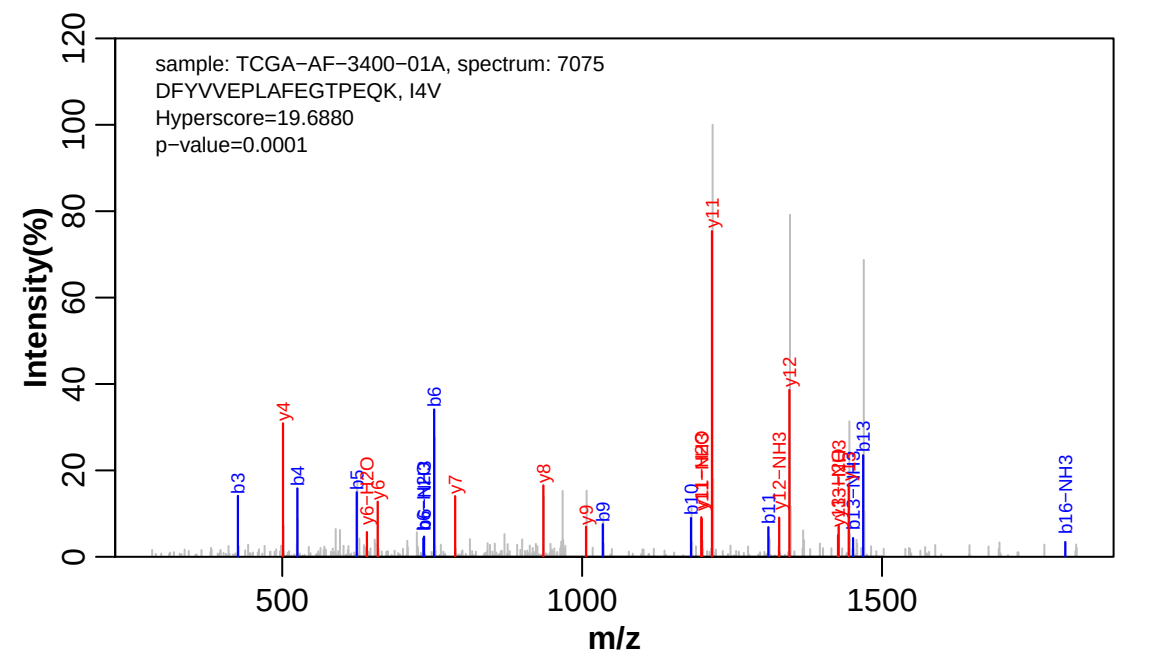

sample: TCGA−AF−3400−01A, spectrum: 31797
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=90.3366
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9
b8
b7
y9
y11
b28++
b27++−H2O
b20++−H2O
b24++
b26++
b18++
b15++−H2O
b4
b9++−H2O
b5
b6
y4
b17
y19

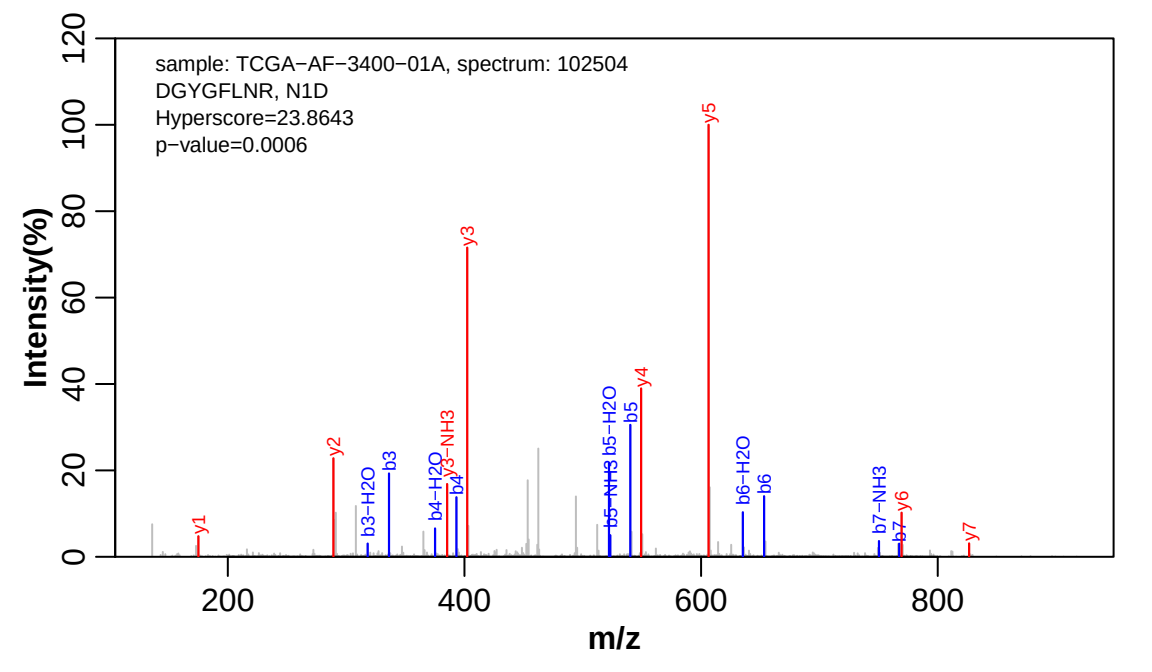

sample: TCGA−AF−3400−01A, spectrum: 23517
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=37.9427
p−value=0.0001
Intensity(%)
m/z
y3
b5−H2O
b5
y4
b6
y5
y11++−H2O
y11++
b7−NH3
b7−H2O
b7
y12++
y13++
b8−NH3
b8−H2O
b8
y7
y9
y17++
y10

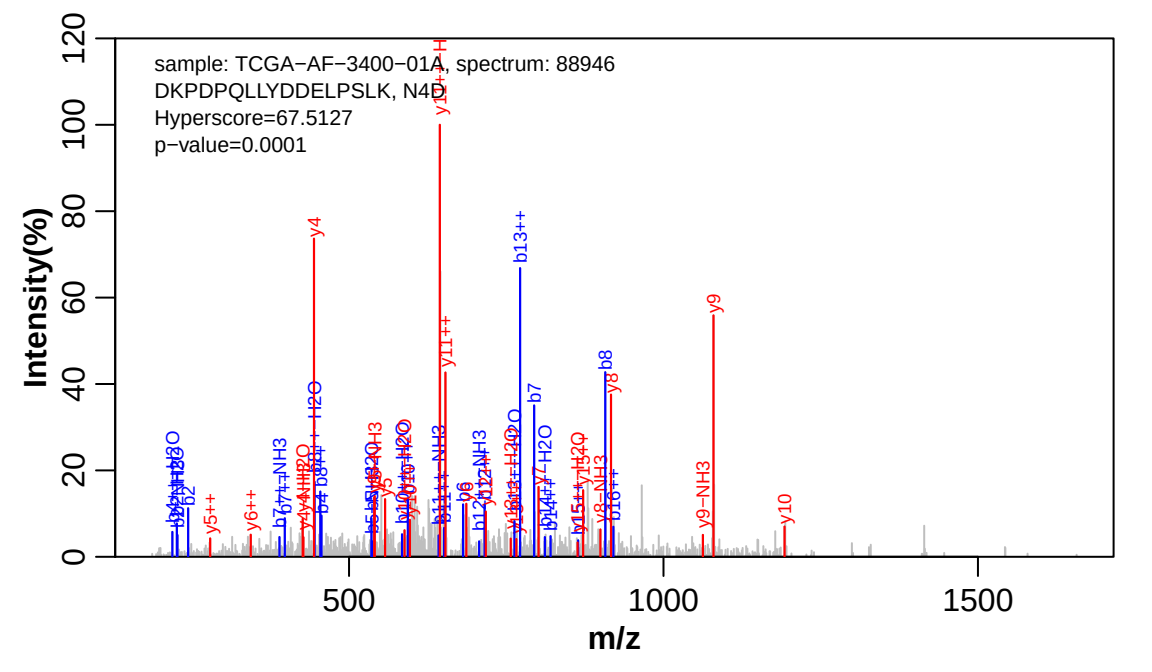

sample: TCGA−AF−3400−01A, spectrum: 9158
AGVETTTPSK, K7T
Hyperscore=37.1804
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
b4−H2O
y3
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7−NH3
b7
y7−H2O
y8
b9
y9

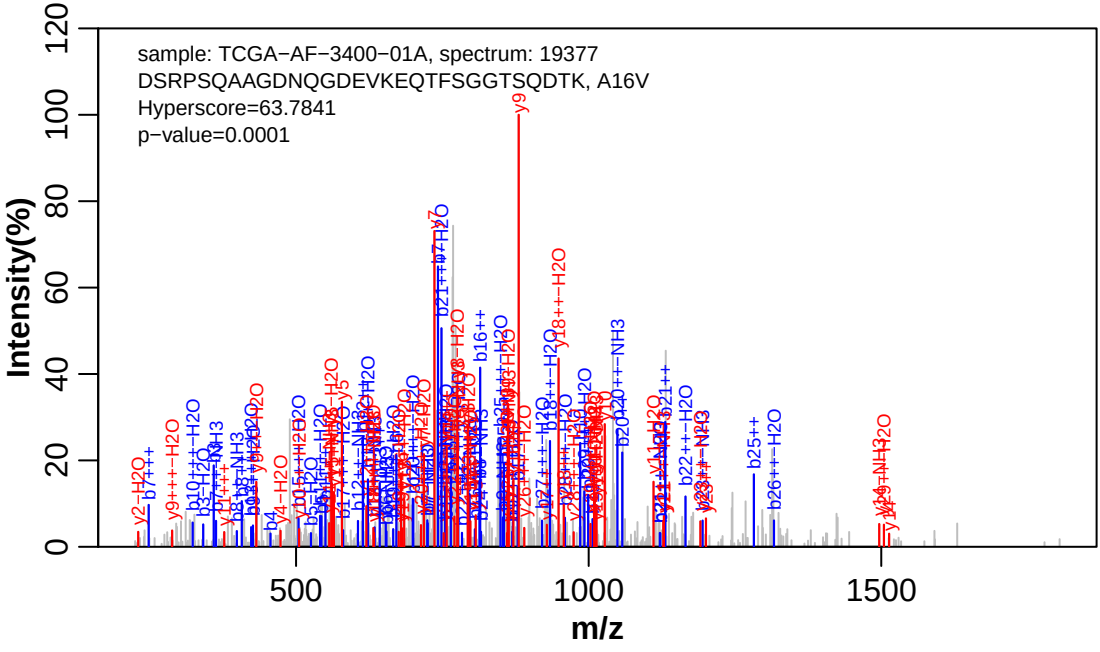

sample: TCGA−AF−3400−01A, spectrum: 273
AGVETTTPSKQSNNK, K7T
Hyperscore=34.0580
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y12++
y11++
y9++
y10++
y12++−H2O
b5++−b3
b10++−NH3
b6−H2O
b12++−NH3
b6
y14++
y14++−H2O

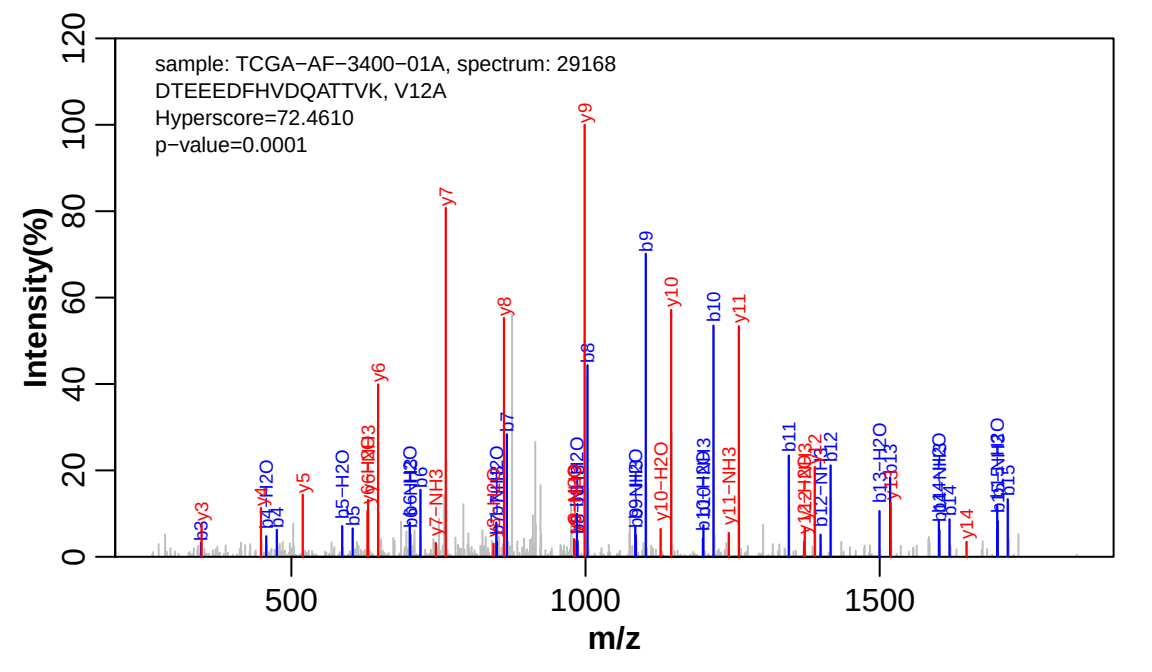

sample: TCGA−AF−3400−01A, spectrum: 22391
APSQHLSSFDPCFYR, R5H
Hyperscore=43.3842
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y5++
b10++
y2
b8++
y6++
y3
b5−NH3
y9++−H2O
b6
y10++
y11++
b13++
y8++
y13++
y14++−H2O
b9
y7
b10−H2O
b10

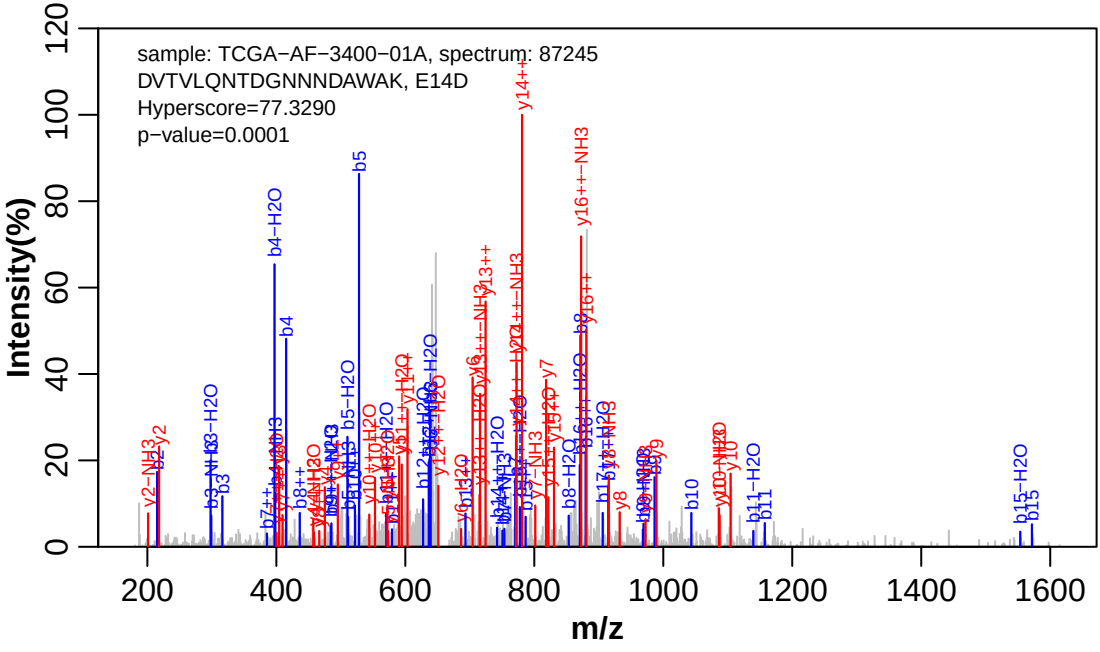

sample: TCGA−AF−3400−01A, spectrum: 7075
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=19.6880
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
y6−H2O
y6
b6
b6−NH3
y7
y8
y9
b9
b10
y11
y11−NH3
y12
y12−NH3
b11
b13
b16−NH3

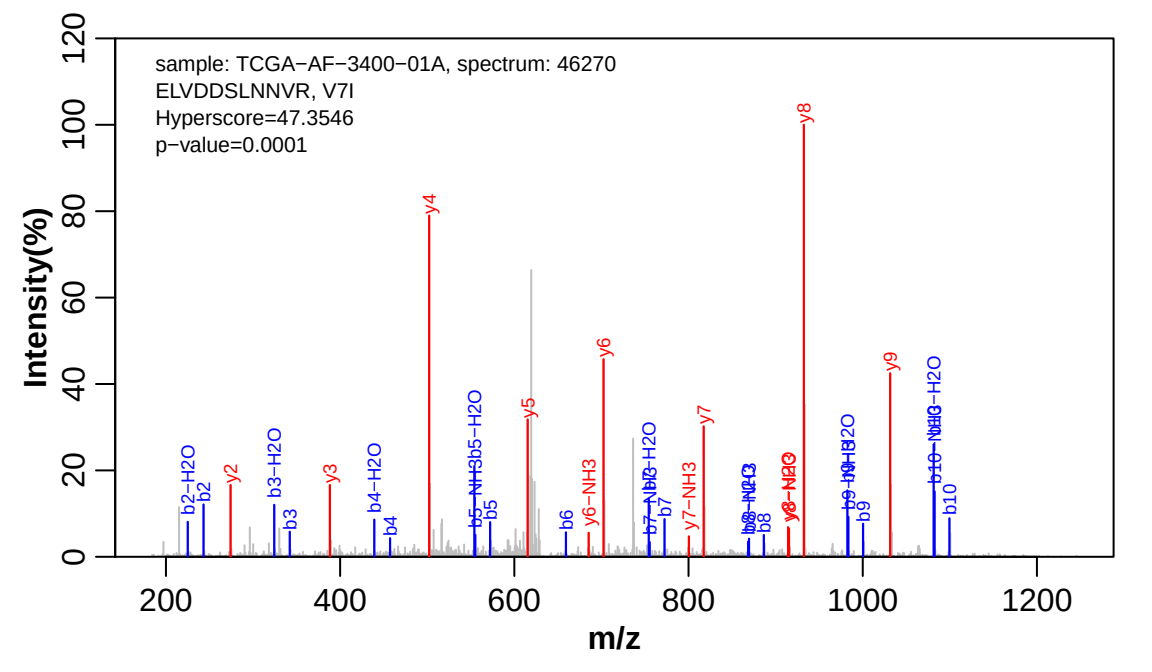

sample: TCGA−AF−3400−01A, spectrum: 102504
DGYGFLNR, N1D
Hyperscore=23.8643
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7−NH3
b7
y6
y7

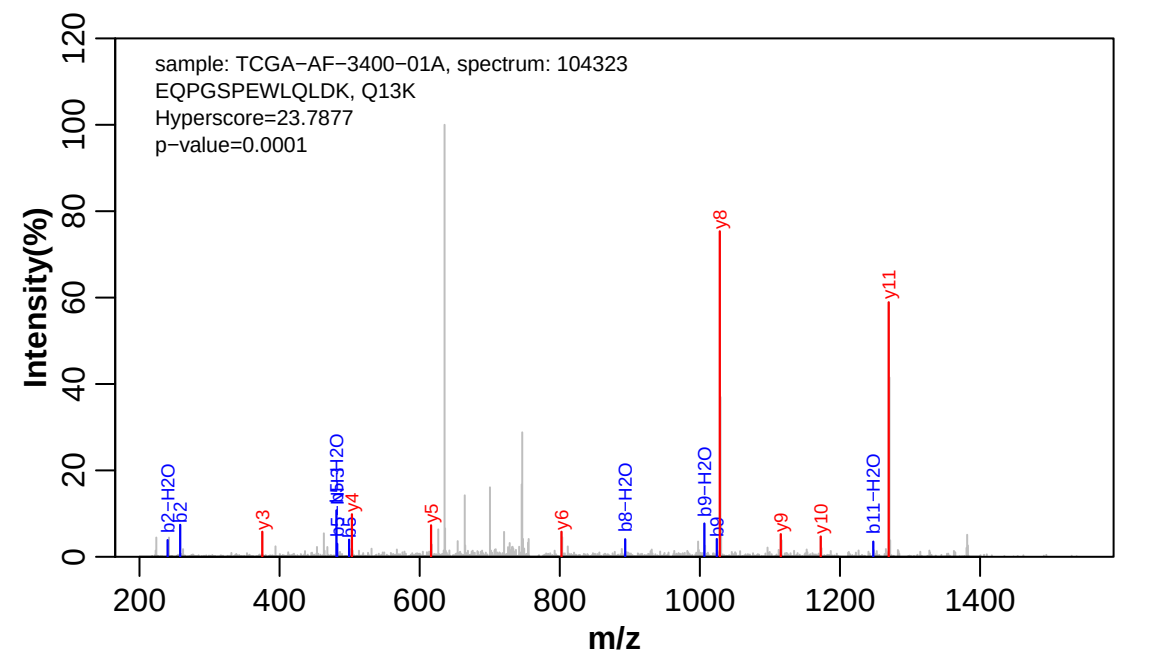

sample: TCGA−AF−3400−01A, spectrum: 88946
DKPDPQLLYDDELPSLK, N4D
Hyperscore=67.5127
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y11++
b13++
y9
b8
y8
b7
y5++
y6++
b7++−NH3
y9−NH3
y10

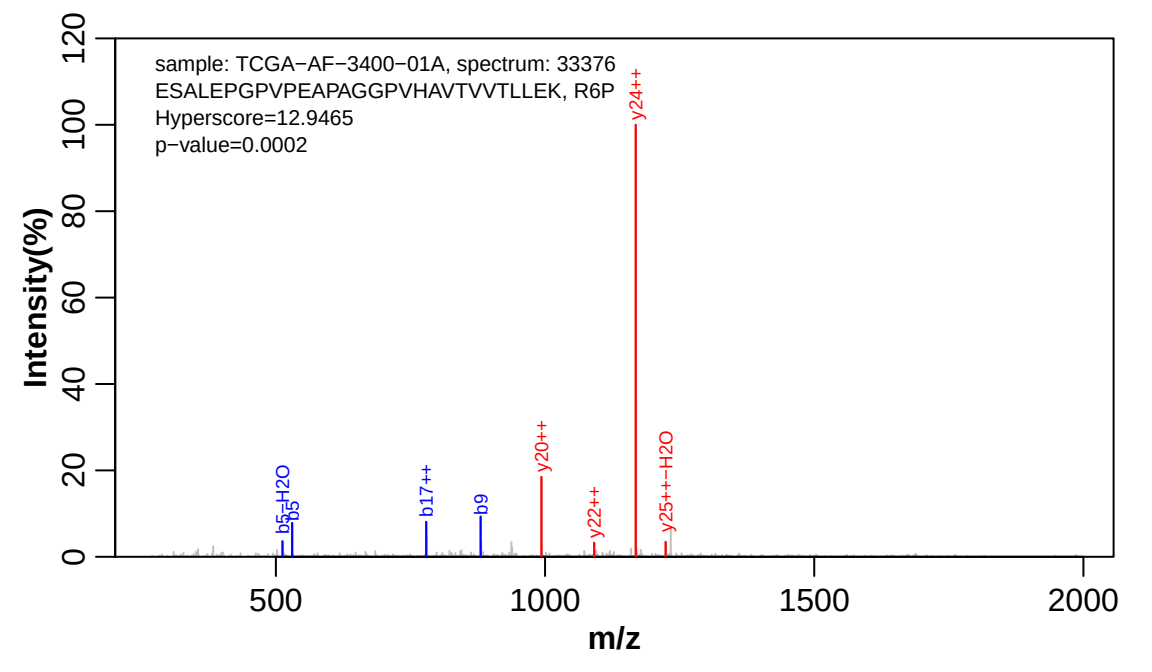

sample: TCGA−AF−3400−01A, spectrum: 19377
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=63.7841
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

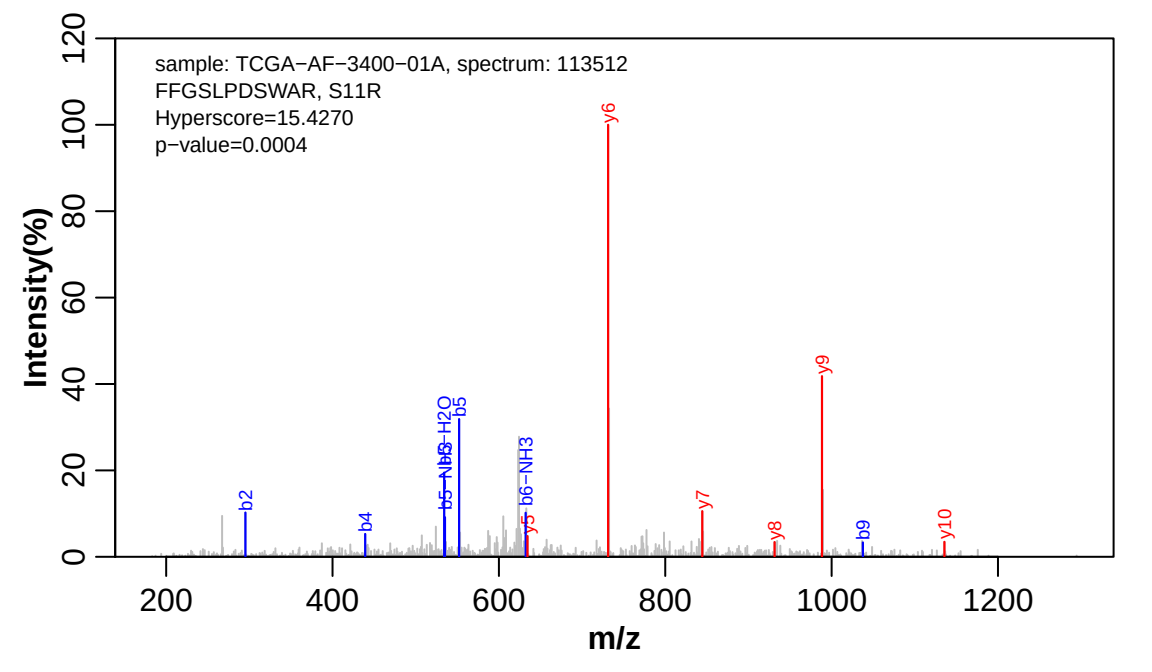

sample: TCGA−AF−3400−01A, spectrum: 29168
DTEEEDFHVDQATTVK, V12A
Hyperscore=72.4610
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y7
y8
b9
y10
b10
y11
b8
y6
b7
b11
b12
b13−H2O
y13
y14
b15
y5
b5−H2O
y10−H2O
y11−NH3
y7−NH3
b3
y3
b4
y4

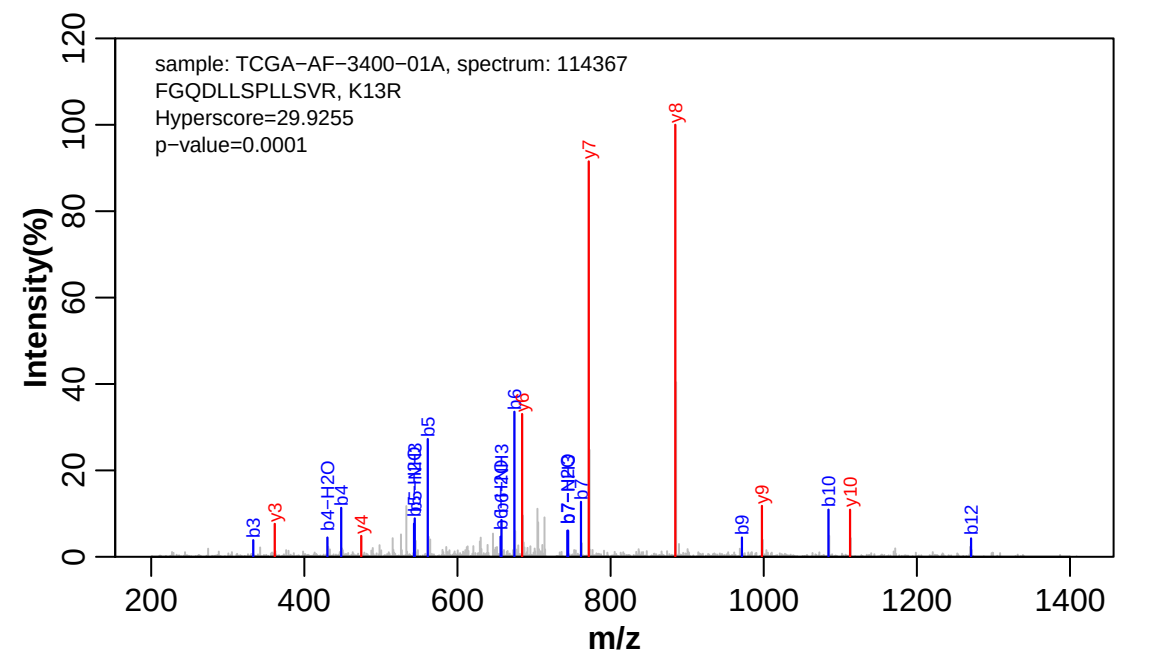

sample: TCGA−AF−3400−01A, spectrum: 87245
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=77.3290
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

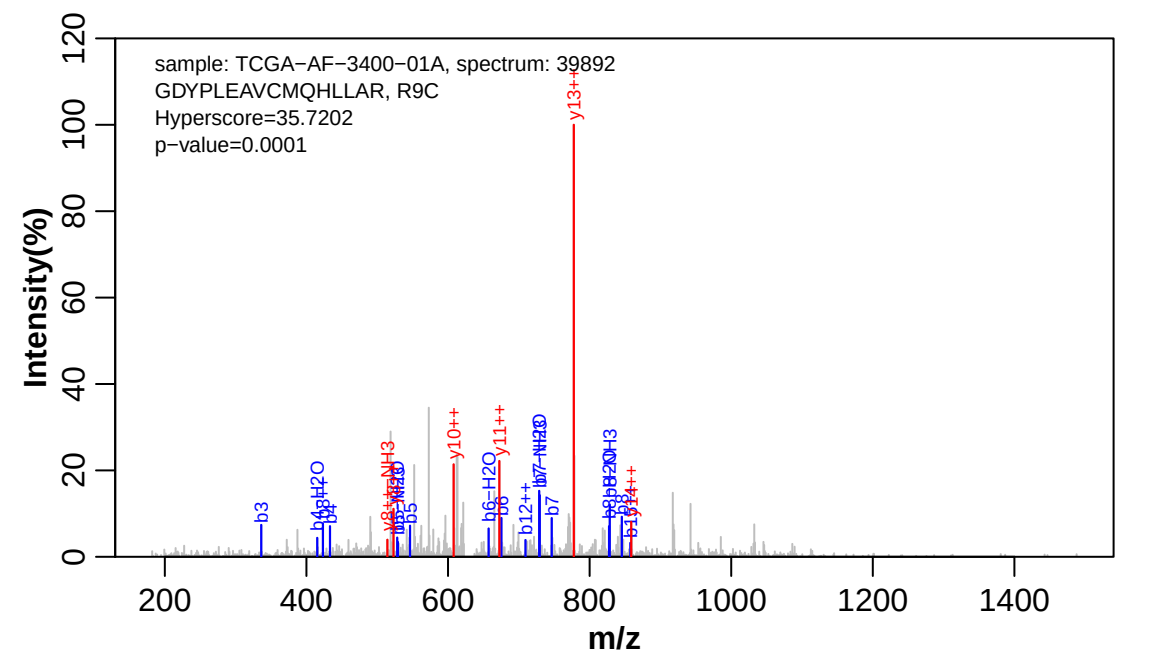

sample: TCGA−AF−3400−01A, spectrum: 46270
ELVDDSLNNVR, V7I
Hyperscore=47.3546
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y4
y8
y6
y5
y7
y9
y2
y3
b2−H2O
b2
b3−H2O
b3
b4−H2O
b4
b5−NH3
b5−H2O
b5
b6
y6−NH3
b7−H2O
b7
y7−NH3
b8
b9
b10
b10−H2O

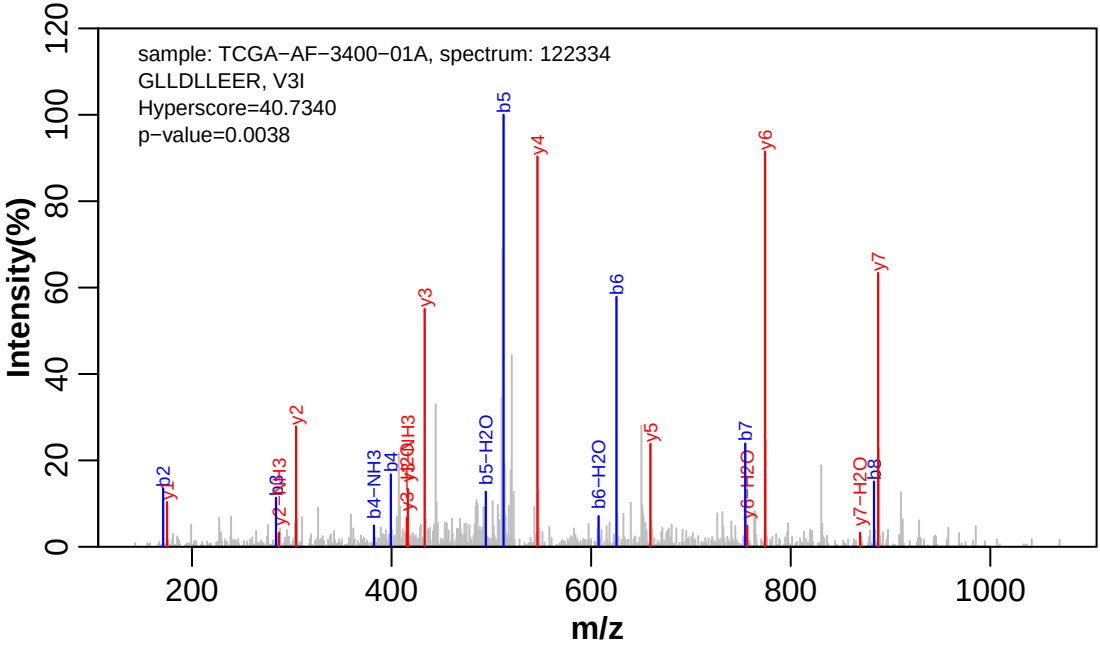

sample: TCGA−AF−3400−01A, spectrum: 104323
EQPGSPEWLQLDK, Q13K
Hyperscore=23.7877
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b2
y3
b5−H2O
b5
b5−NH3
y4
y5
y6
b8−H2O
b9−H2O
b9
y8
y9
y10
y11
b11−H2O

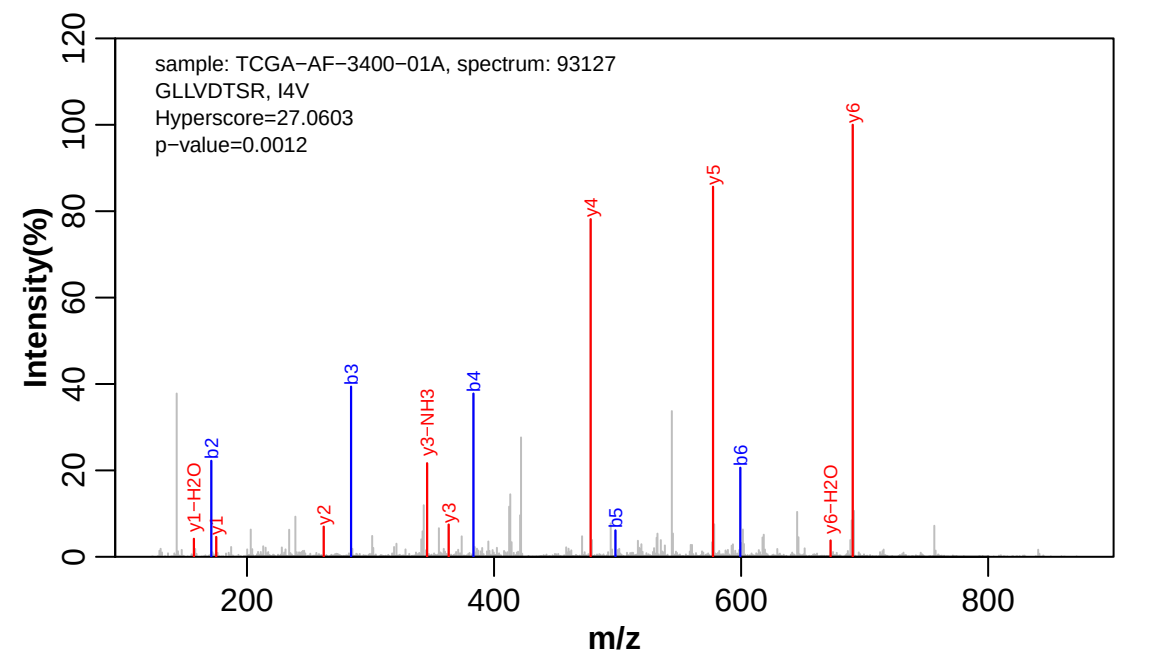

sample: TCGA−AF−3400−01A, spectrum: 33376
ESALEPGPVPEAPAGGPVHAVTVVTLLEK, R6P
Hyperscore=12.9465
p−value=0.0002
Intensity(%)
m/z
y24++
y20++
y22++
y25++−H2O
b17++
b9
b5−H2O
b5

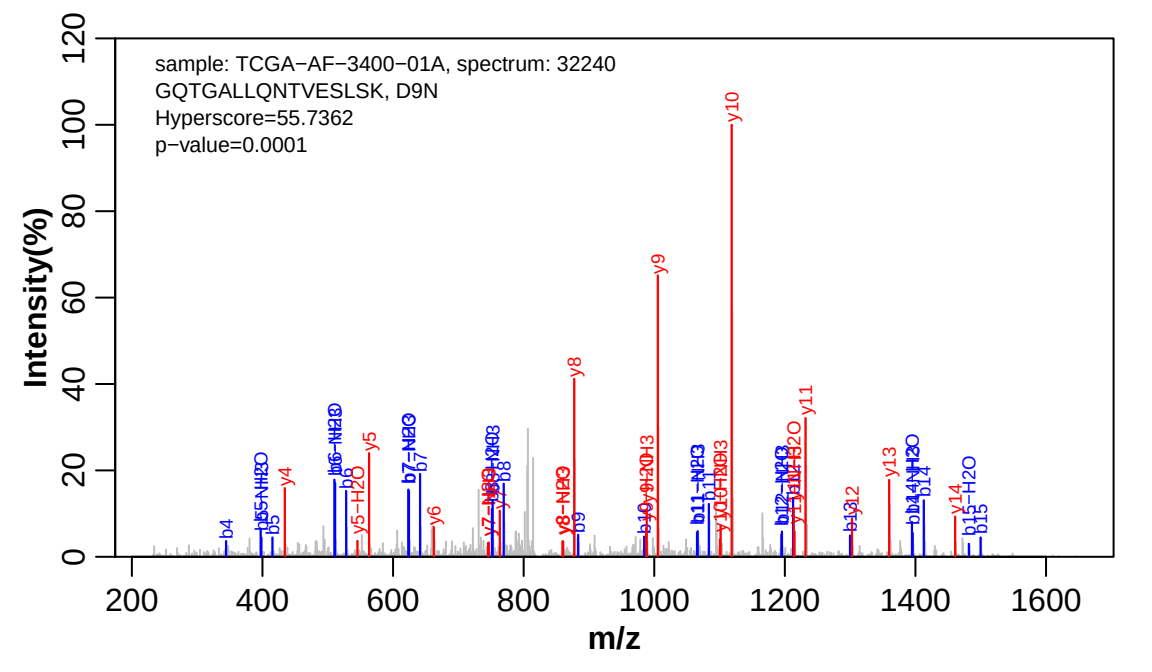

sample: TCGA−AF−3400−01A, spectrum: 113512
FFGSLPDSWAR, S11R
Hyperscore=15.4270
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9
b9
y10

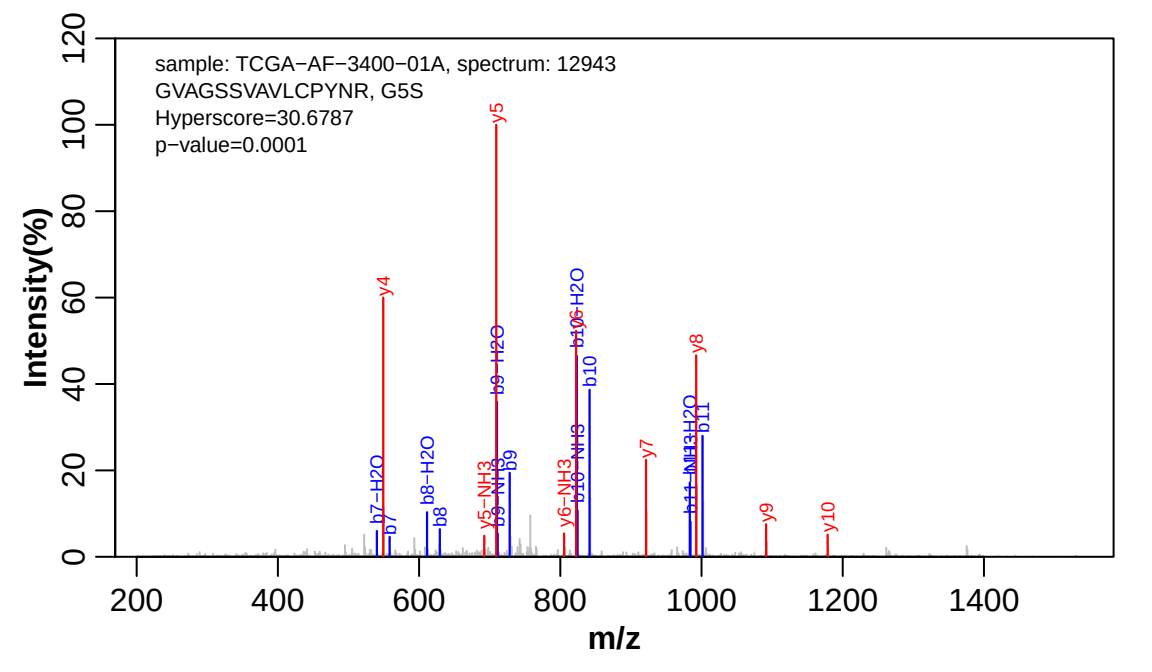

sample: TCGA−AF−3400−01A, spectrum: 114367
FGQDLLSPLLSVR, K13R
Hyperscore=29.9255
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5
y8
y7
b6
y6
b7
y9
b9
b10
y10
b12

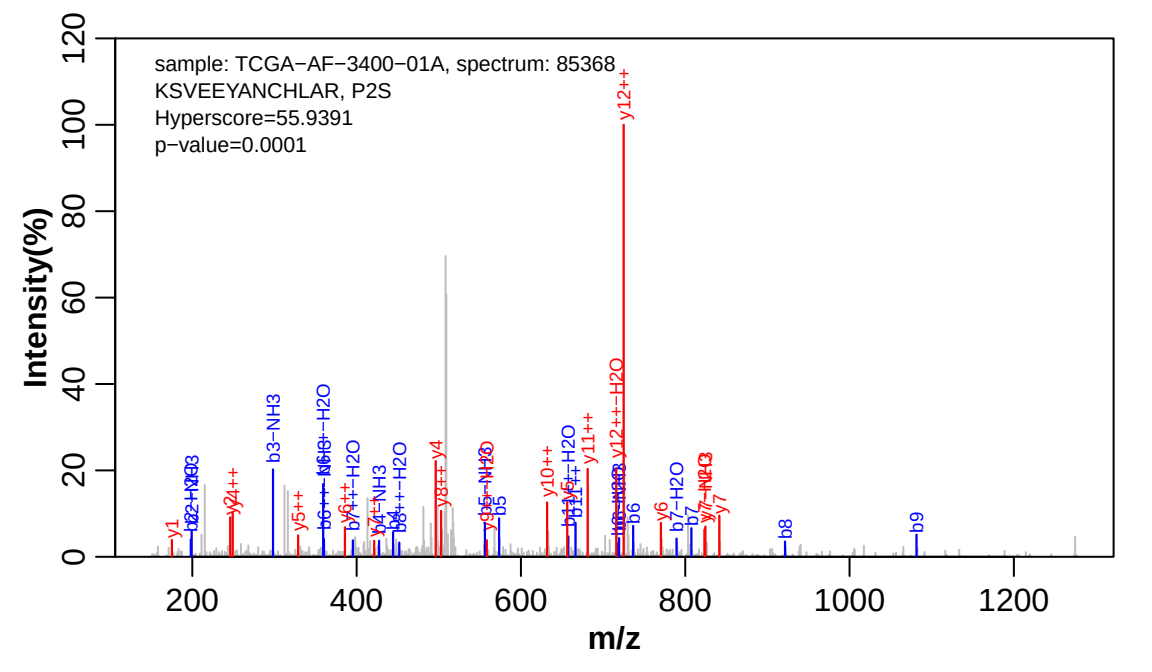

sample: TCGA−AF−3400−01A, spectrum: 39892
GDYPLEAVCMQHLLAR, R9C
Hyperscore=35.7202
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y13++
y10++
y11++
b3
b4
b5
b6−H2O
b8
b12++
b7
b7−NH3
b7−H2O
b9
b14++

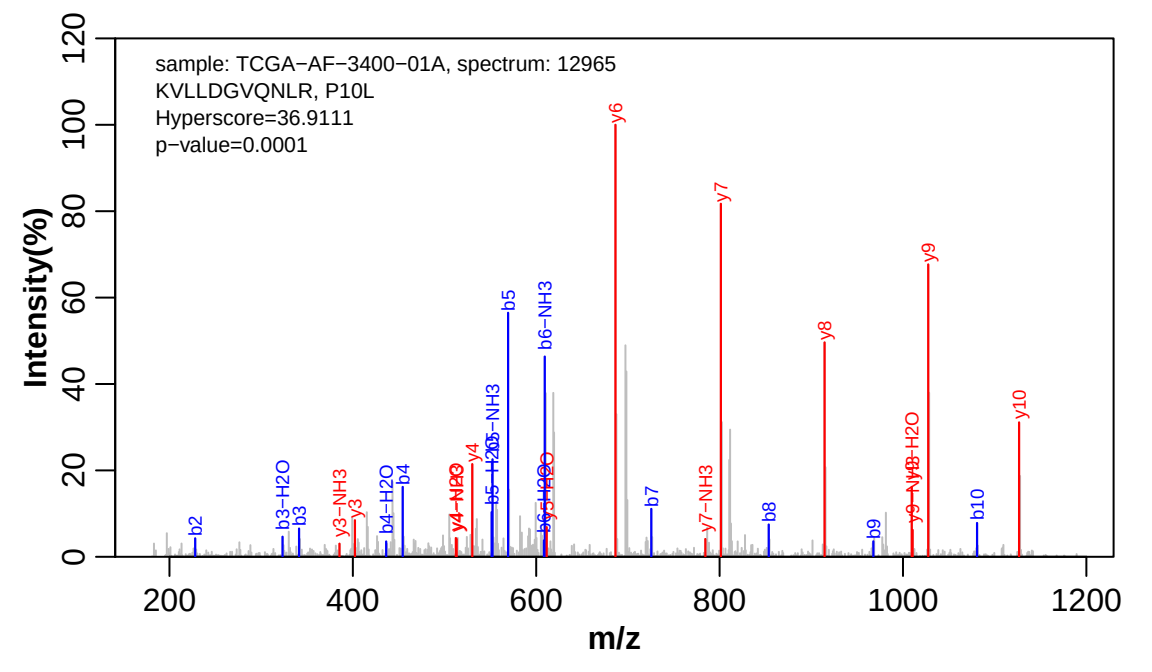

sample: TCGA−AF−3400−01A, spectrum: 122334
GLLDLLEER, V3I
Hyperscore=40.7340
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b5
y4
y6
y7
b6
y3
y2
y5
b7
b8
b2
y1
b4−NH3
b5−H2O
b6−H2O
y6−H2O
y7−H2O

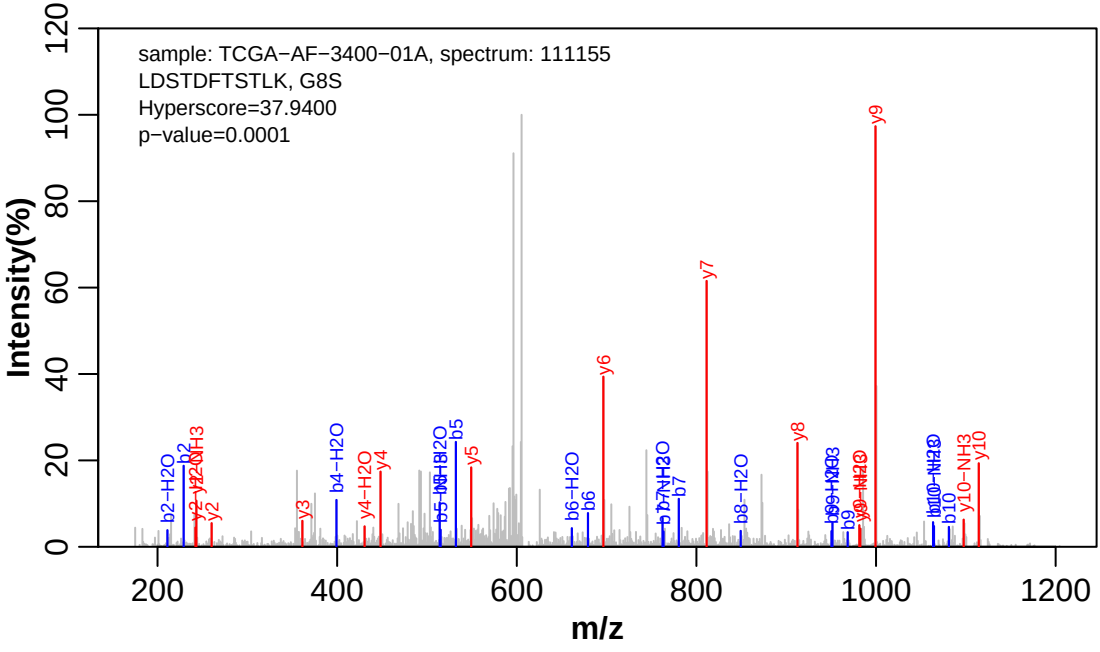

sample: TCGA−AF−3400−01A, spectrum: 93127
GLLVDTSR, I4V
Hyperscore=27.0603
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−H2O
b2
y1
y2
b3
y3−NH3
y3
b4
y4
b5
y5
b6
y6−H2O
y6

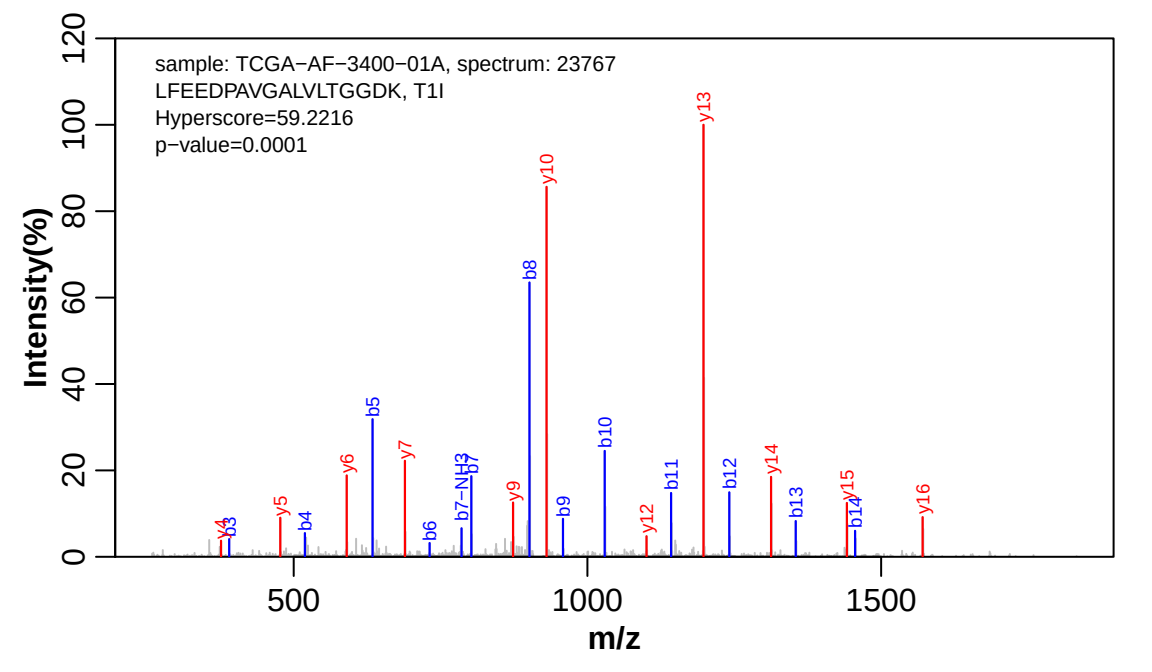

sample: TCGA−AF−3400−01A, spectrum: 32240
GQTGALLQNTVESLSK, D9N
Hyperscore=55.7362
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4
b5
b5−NH3
b5−H2O
y4
b6−NH3
b6
y5
y5−H2O
b7−NH3
b7
y6
b8
y7−NH3
y7−H2O
y8−NH3
y8
b9
y8−H2O
y9
b11−NH3
b11
y10−NH3
y10
y10−H2O
b12−NH3
b12
y11−NH3
y11
y11−H2O
b13
y13
b14−NH3
b14
y14
b15−H2O
b15

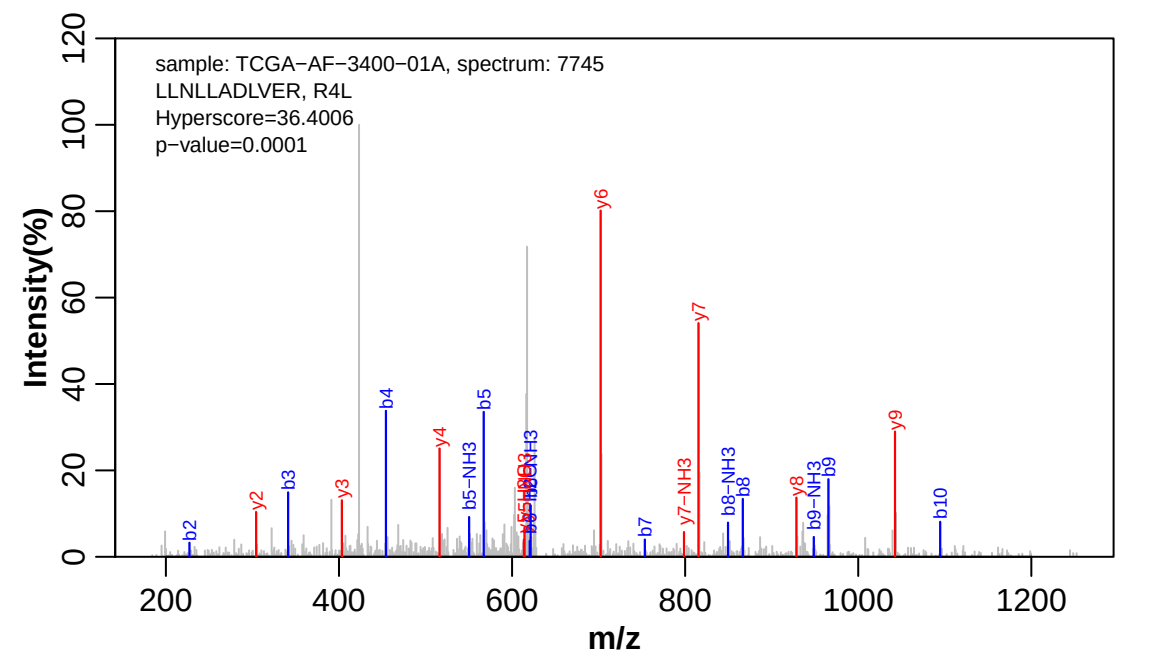

sample: TCGA−AF−3400−01A, spectrum: 12943
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.6787
p−value=0.0001
Intensity(%)
m/z
y5
y4
y8
y7
y9
y10
b9−H2O
b10−H2O
b10
b11
b7−H2O
b8−H2O
b7
b8
b9
y5−NH3
y6−NH3
b10−NH3
b11−NH3−H2O

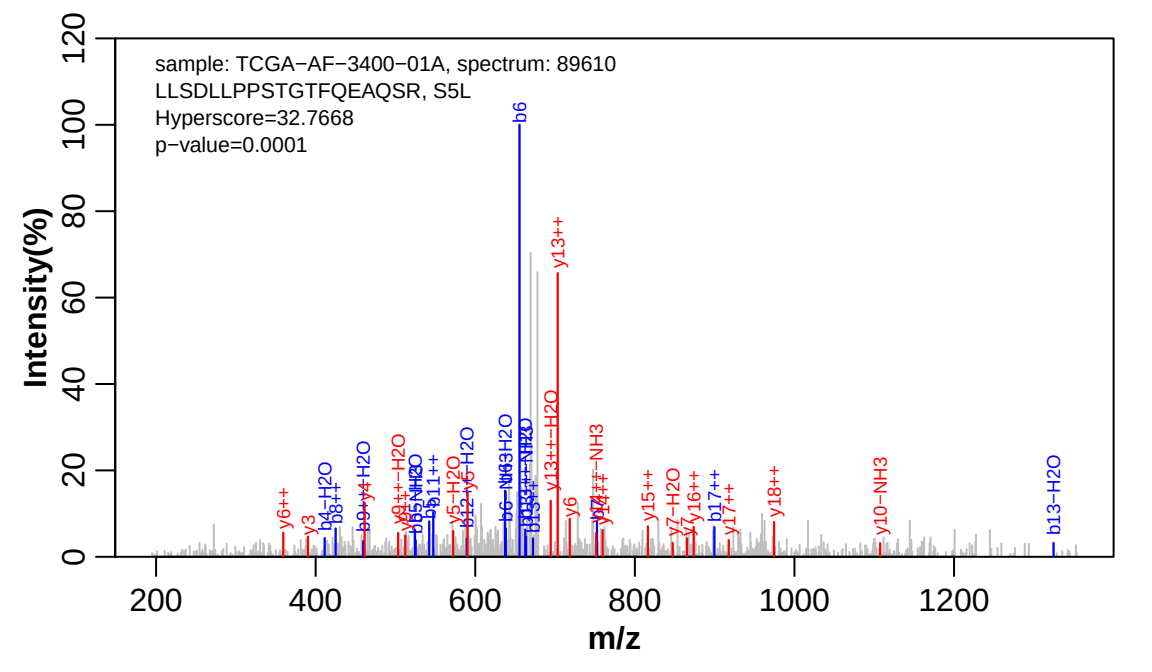

sample: TCGA−AF−3400−01A, spectrum: 85368
KSVEEYANCHLAR, P2S
Hyperscore=55.9391
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y12++
b3−NH3
y12++−H2O
y10++
y11++
y6
b7−H2O
b7
b8
b9
y7
y5++
y4++
y4++−NH3
y4++−H2O
y1

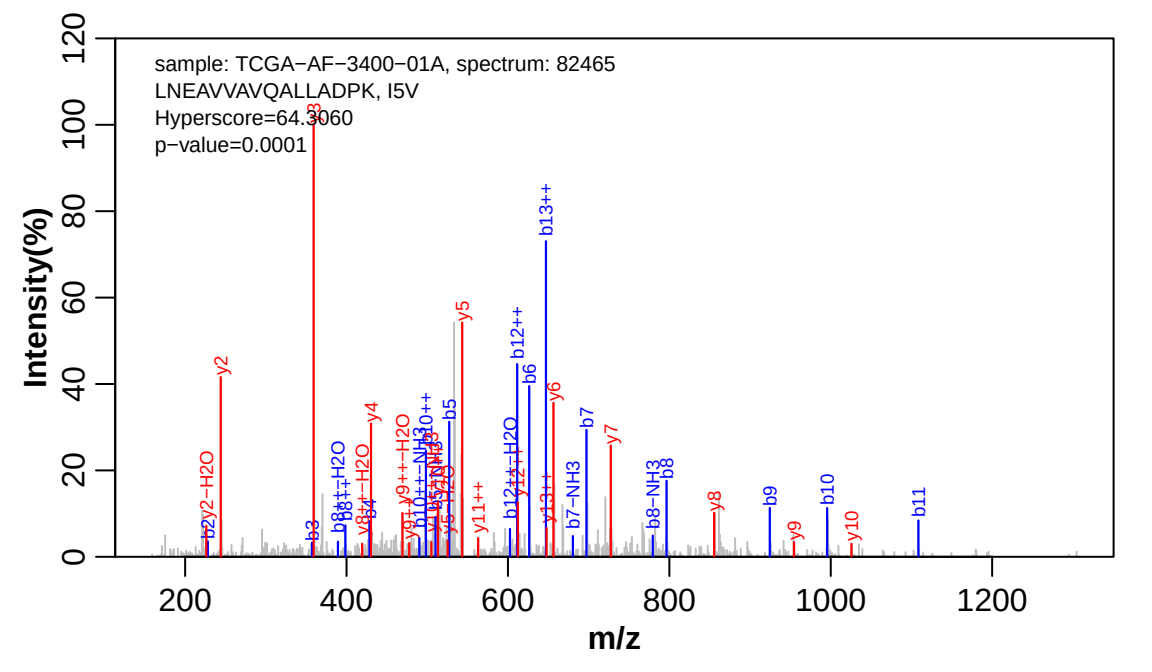

sample: TCGA−AF−3400−01A, spectrum: 12965
KVLLDGVQNLR, P10L
Hyperscore=36.9111
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3−H2O
b3
y3−NH3
y3
b4−H2O
b4
y4−NH3
y4
b5−NH3
b5
b6−NH3
y6
b7
y7−NH3
y7
b8
y8
b9
y9−NH3
y9−H2O
y9
b10
y10

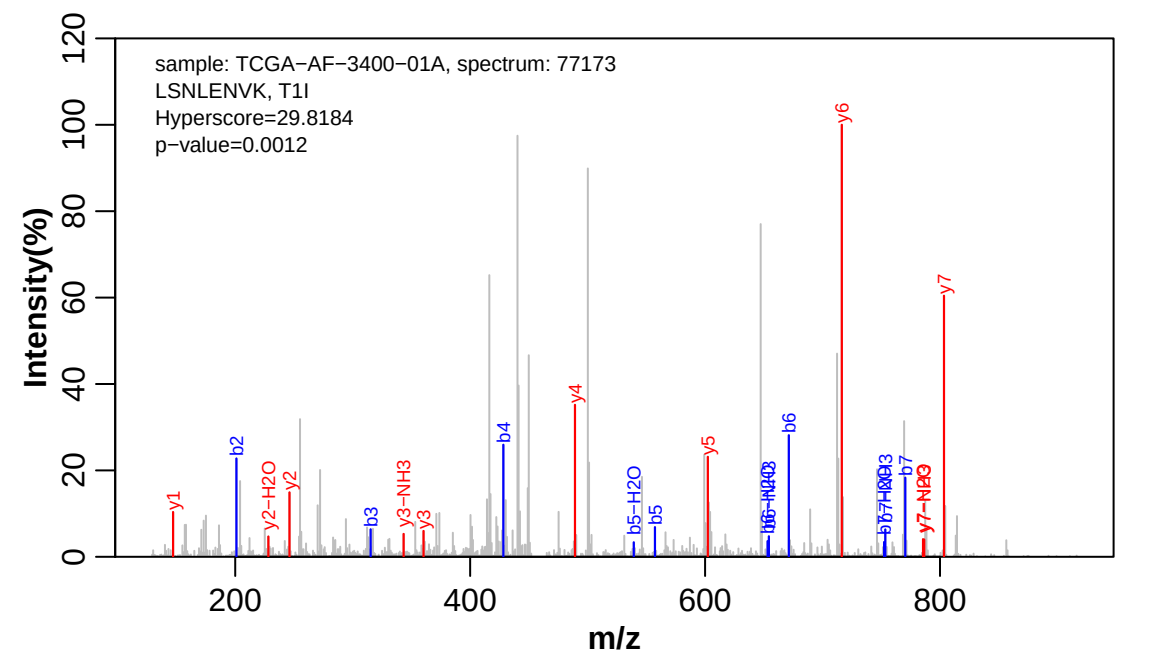

sample: TCGA−AF−3400−01A, spectrum: 111155
LDSTDFTSTLK, G8S
Hyperscore=37.9400
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2−NH3
y2
y3
b4−H2O
y4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−H2O
y8
b9
y9
b10−NH3
b10
y10−NH3
y10

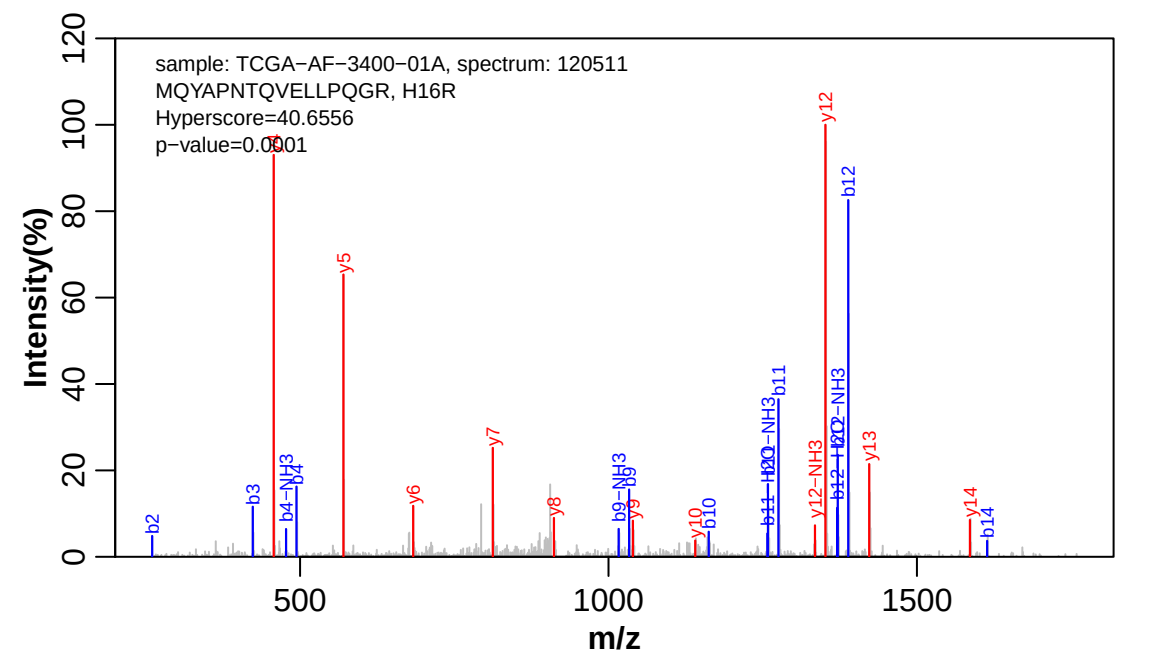

sample: TCGA−AF−3400−01A, spectrum: 23767
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=59.2216
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y13
y10
b8
b5
y7
y6
y5
b4
b3
y4
b6
b7−NH3
b7
y9
b9
b10
y12
b11
b12
y14
b13
y15
b14
y16

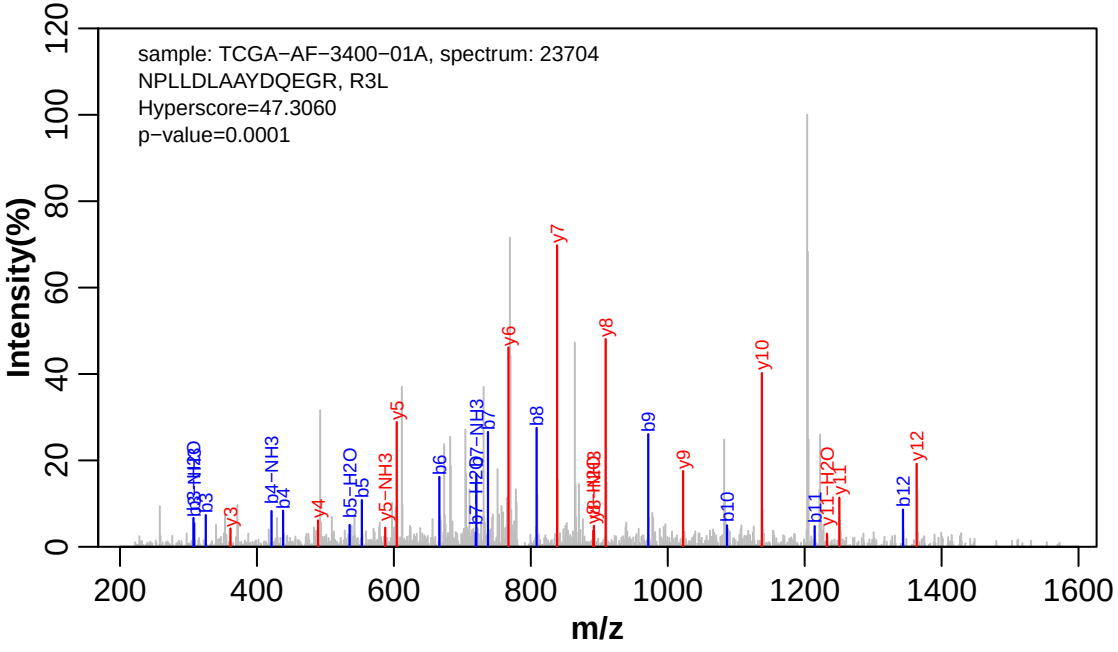

sample: TCGA−AF−3400−01A, spectrum: 7745
LLNLLADLVER, R4L
Hyperscore=36.4006
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4
y4
b5
b5−NH3
y6
b7
y7
y7−NH3
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

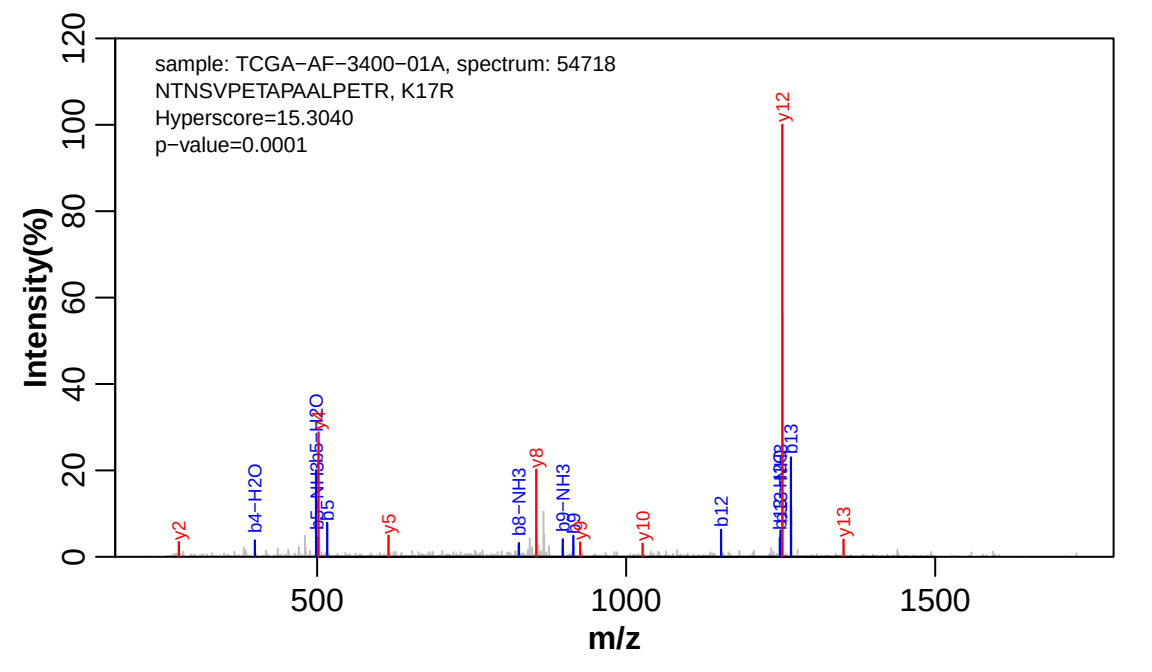

sample: TCGA−AF−3400−01A, spectrum: 89610
LLSDLLPPSTGTFQEAQSR, S5L
Hyperscore=32.7668
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b6
y13++
y13++−H2O
y6++
y3
b4−H2O
b8++
b9++−H2O
y9++−H2O
y5−H2O
b11++
b12−H2O
y6
y15++
y7−H2O
y16++
b17++
y17++
y18++
y10−NH3
b13−H2O

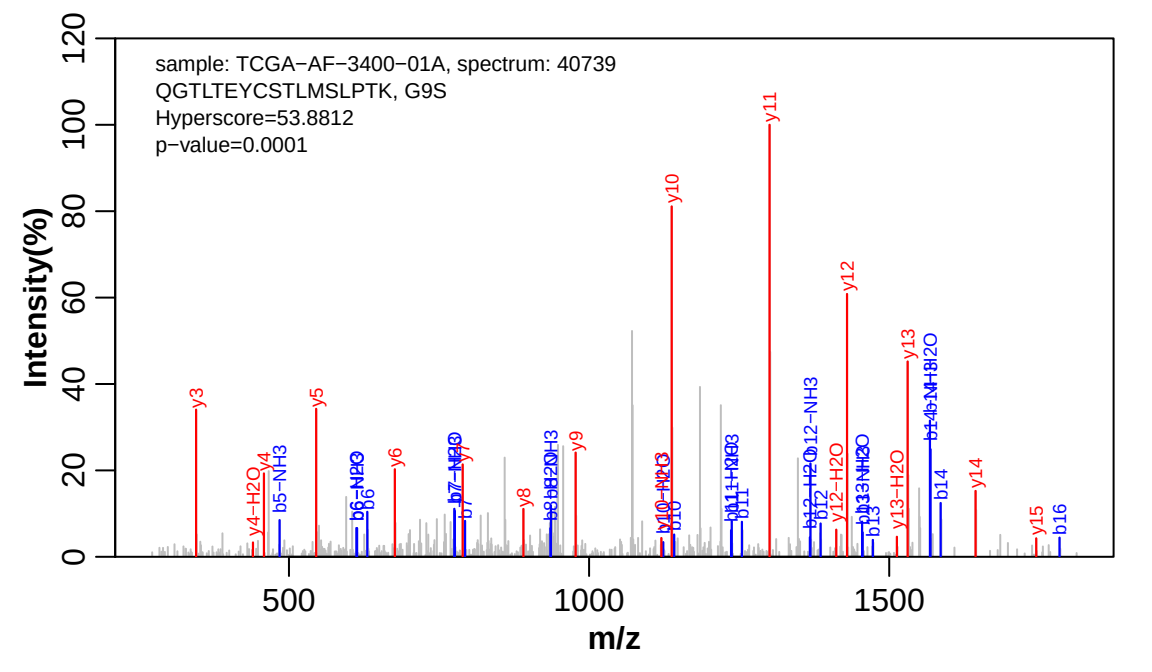

sample: TCGA−AF−3400−01A, spectrum: 82465
LNEAVVAVQALLADPK, I5V
Hyperscore=64.3060
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y3
y2
y2−H2O
b2
b3
b8++
b8++−H2O
y4
y8++−H2O
y8++−NH3
y5
y11++
b5
b12++
b12++−H2O
b6
b13++
y6
y12++
y13++
b7
b7−NH3
y7
b8−NH3
b8
y8
b9
b10
y9
y10
b11

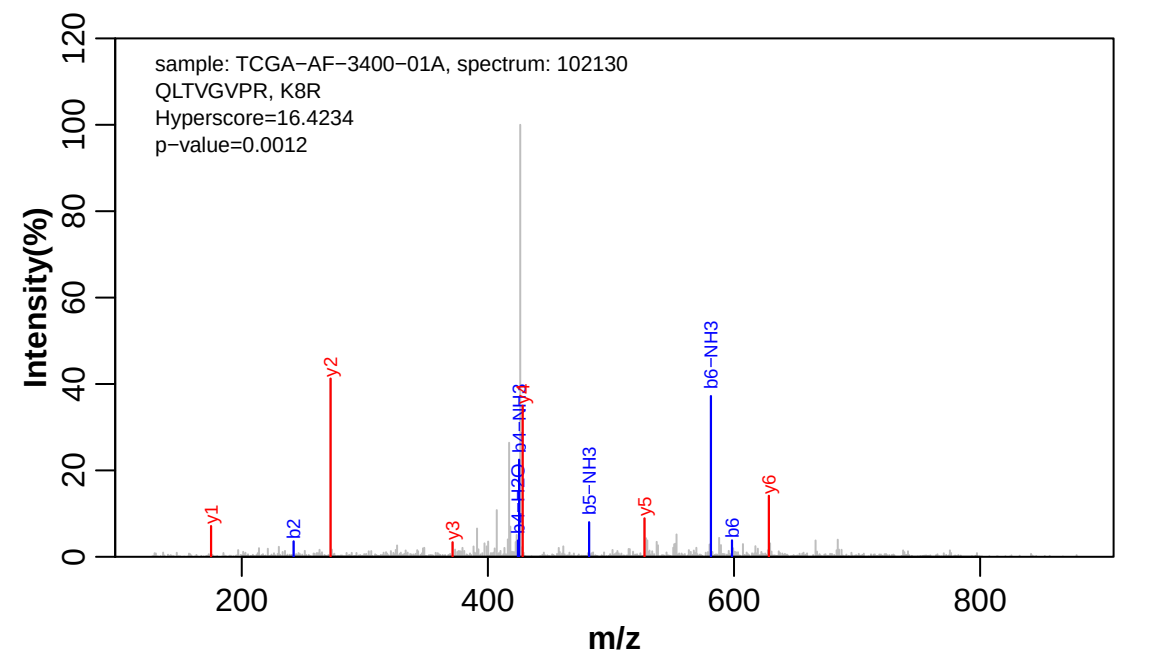

sample: TCGA−AF−3400−01A, spectrum: 77173
LSNLENVK, T1I
Hyperscore=29.8184
p−value=0.0012
Intensity(%)
m/z
y1
b2
y2−H2O
y2
b3
y3−NH3
y3
b4
y4
b5−H2O
b5
y5
b6
y6
y7
y7−NH3
b7
0
20
40
60
80
100
120
200
400
600
800

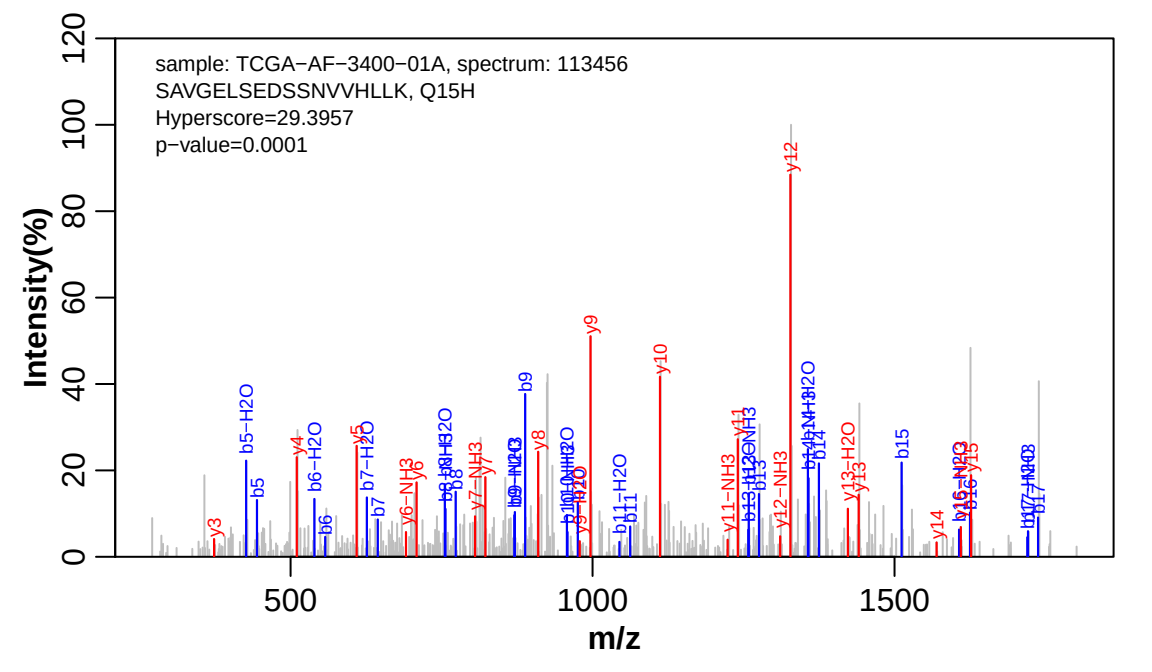

sample: TCGA−AF−3400−01A, spectrum: 120511
MQYAPNTQVELLPQGR, H16R
Hyperscore=40.6556
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y1
y5
y6
y7
y8
y9
y10
y12
y13
y14
b2
b3
b4
b4−NH3
b9−NH3
b10
b11
b11−H2O−NH3
b12
b12−H2O−NH3
b14

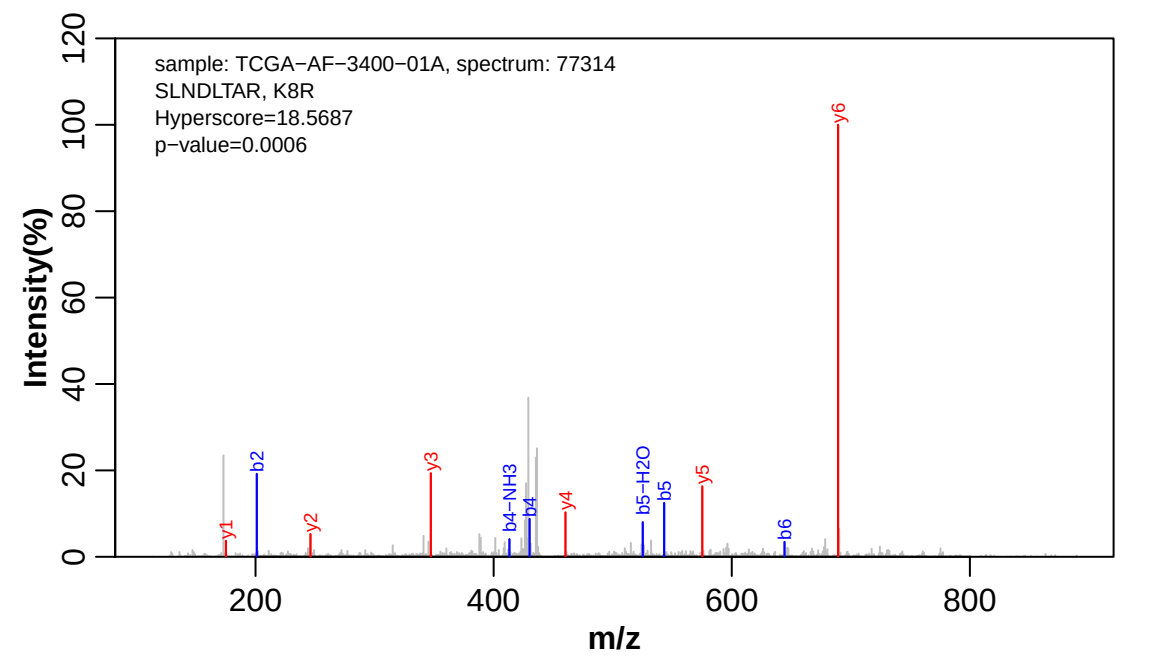

sample: TCGA−AF−3400−01A, spectrum: 23704
NPLLDLAAYDQEGR, R3L
Hyperscore=47.3060
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
b4−NH3
b4
y4
b5−H2O
b5
y5−NH3
y5
b6
b7−NH3
b7
y6
b8
y7
y8
b9
y9
b10
y10
b11
y11−H2O
y11
b12
y12

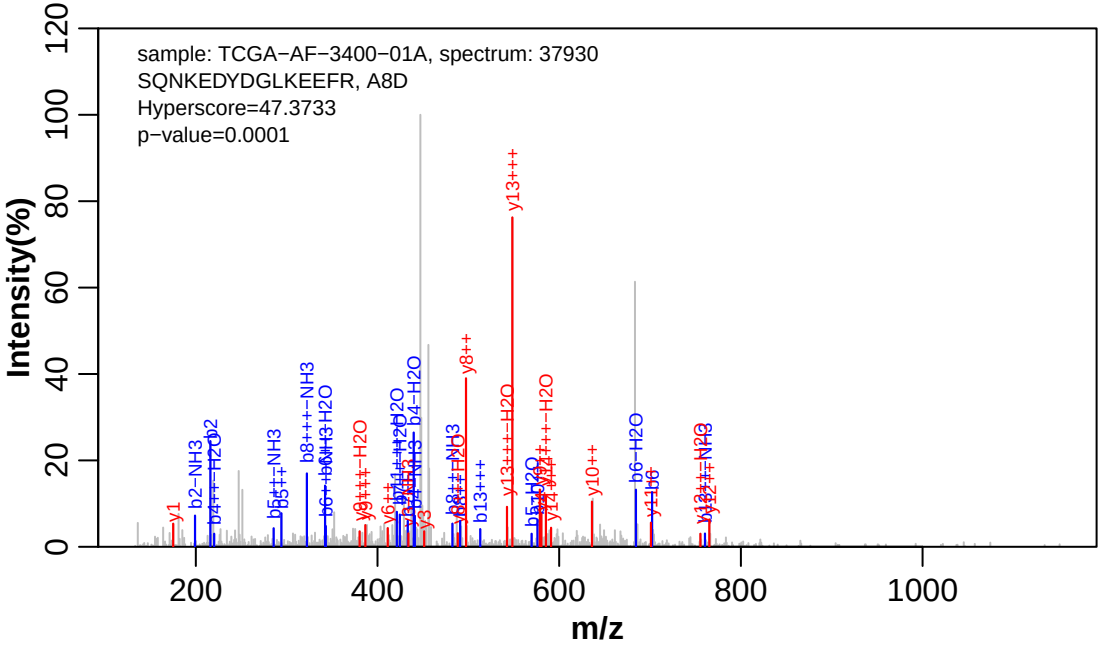

sample: TCGA−AF−3400−01A, spectrum: 54718
NTNSVPETAPAALPETR, K17R
Hyperscore=15.3040
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
b13
y8
y2
b4−H2O
b5−NH3
b5−H2O
b5
y5
b8−NH3
b9−NH3
y9
y10
b12
y13

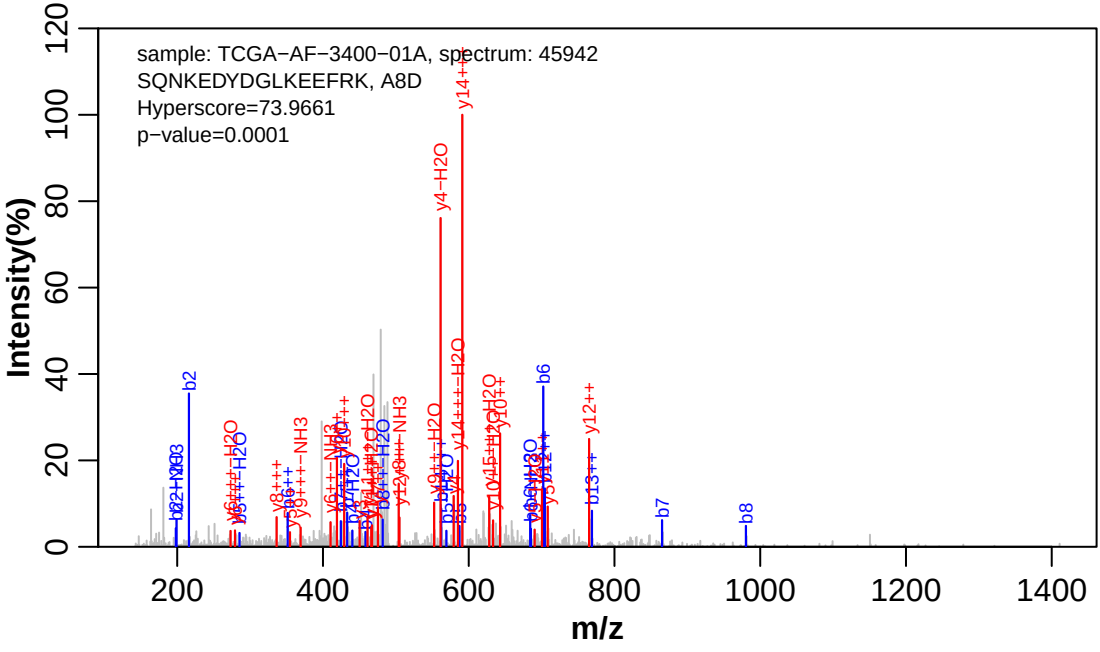

sample: TCGA−AF−3400−01A, spectrum: 40739
QGTLTEYCSTLMSLPTK, G9S
Hyperscore=53.8812
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4−H2O
y4
b5−NH3
y5
y6
y8
y9
y10
y10−H2O
y10−NH3
b10
y11
y12
y12−H2O
b12−NH3
y13
y13−H2O
b14
y14
y15
b16

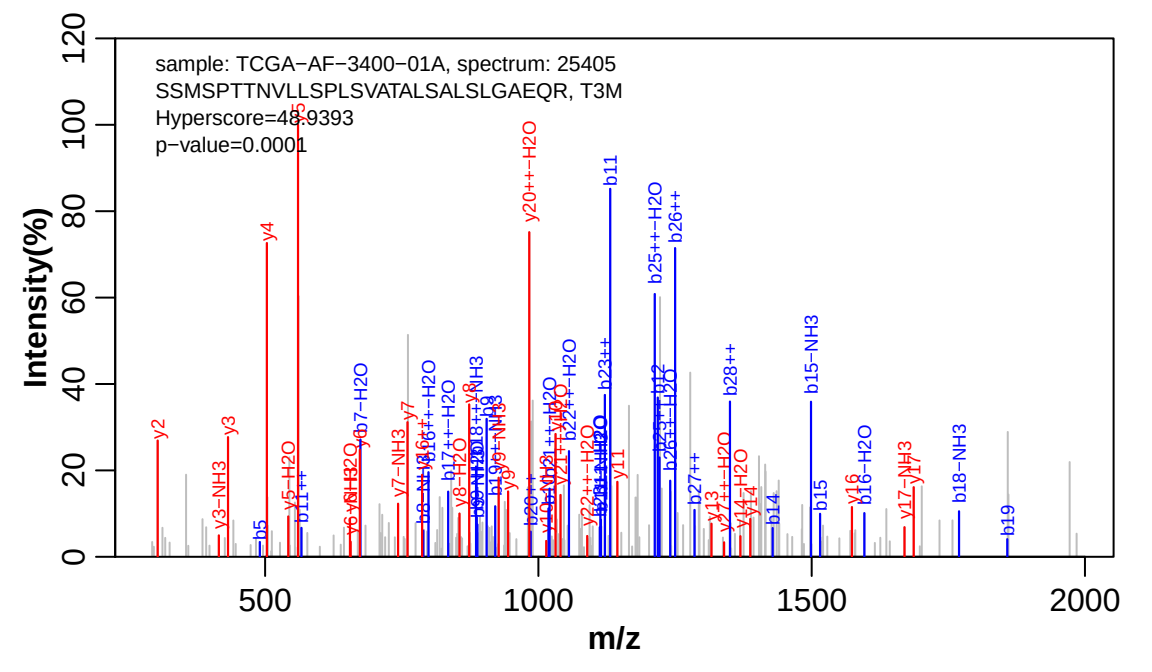

sample: TCGA−AF−3400−01A, spectrum: 102130
QLTVGVPR, K8R
Hyperscore=16.4234
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
y3
b4−H2O
b4−NH3
b4
b5−NH3
y5
b6−NH3
b6
y6

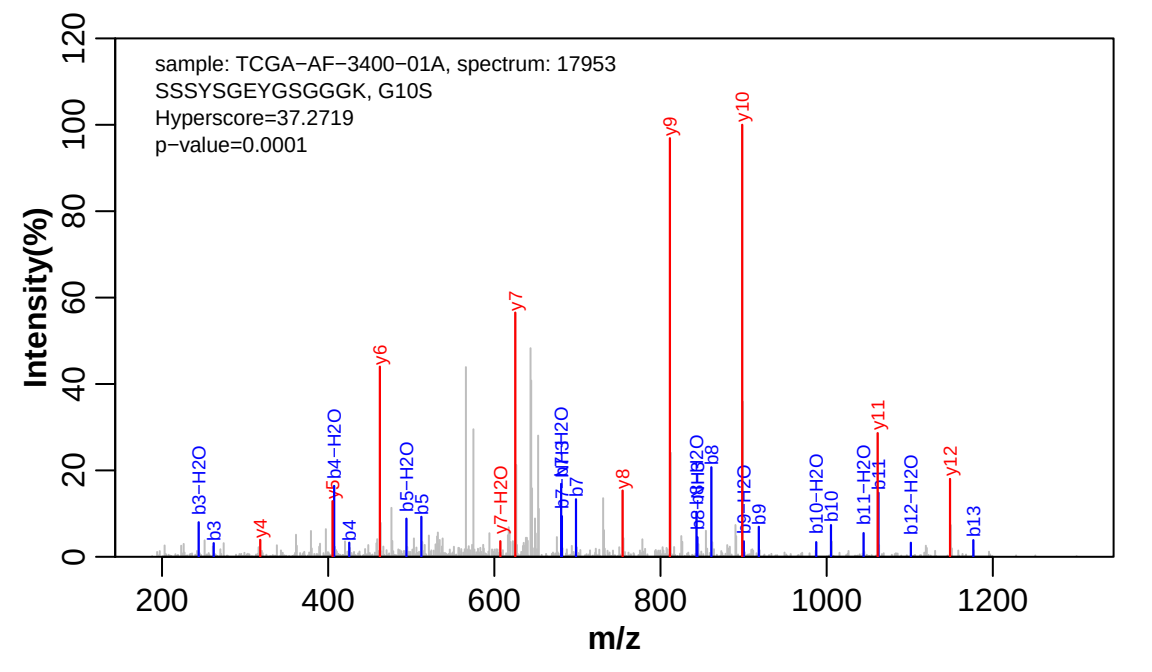

sample: TCGA−AF−3400−01A, spectrum: 113456
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=29.3957
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y9
y10
b5−H2O
b5
y4
b6−H2O
b6
y5
b7−H2O
b7
y6−NH3
y6
b9
y8
y7−NH3
y7
y11
y11−NH3
y12−NH3
b15
y13−H2O
y13
y14
y15
b11−H2O
b11
b14
b14−NH3
b14−H2O
b16−NH3
b16
b17
b17−NH3
b17−H2O
y3

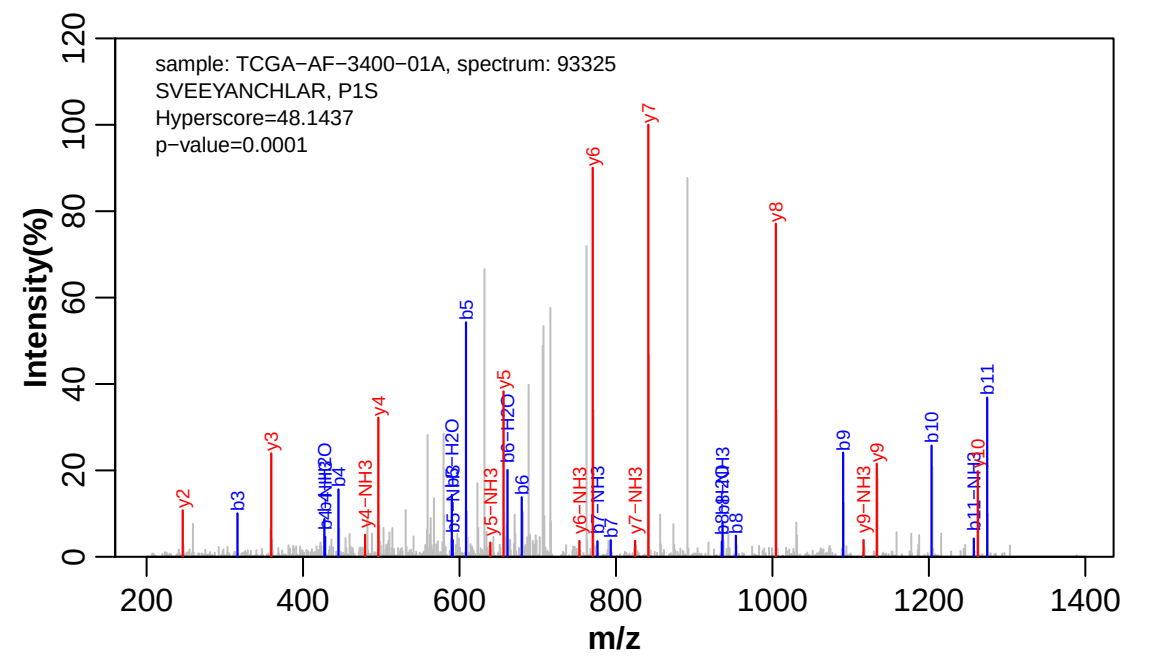

sample: TCGA−AF−3400−01A, spectrum: 77314
SLNDLTAR, K8R
Hyperscore=18.5687
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
y3
b4−NH3
b4
y4
b5−H2O
b5
y5
b6
y6

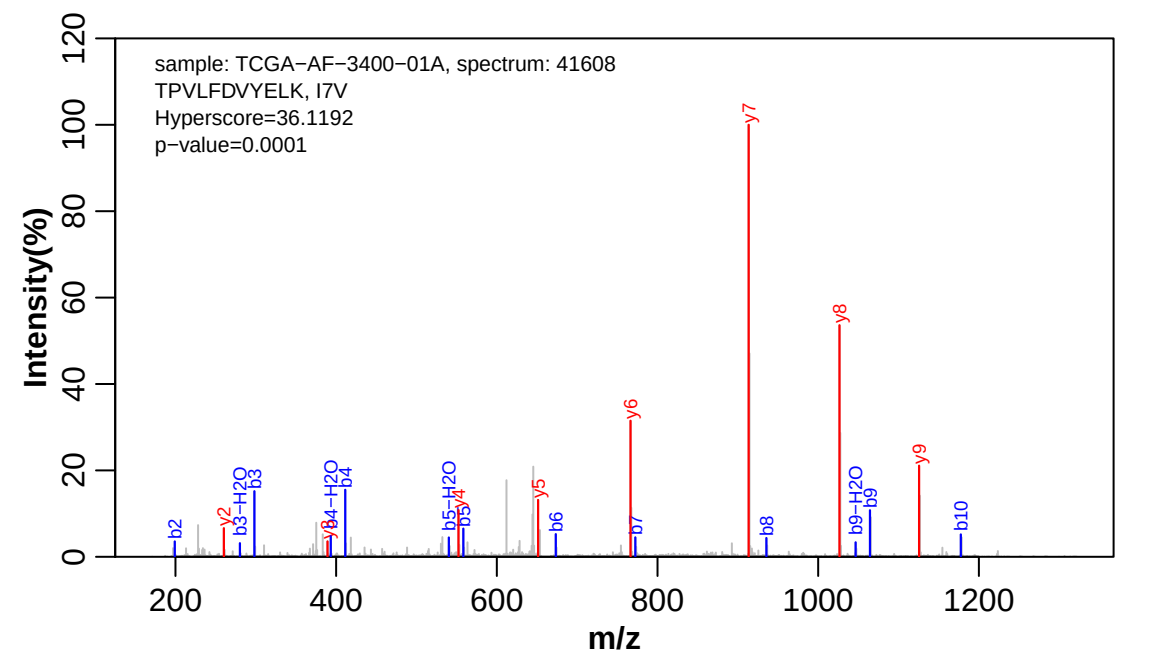

sample: TCGA−AF−3400−01A, spectrum: 37930
SQNKEDYDGLKEEFR, A8D
Hyperscore=47.3733
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2−NH3
b4++−H2O
b5++−NH3
b8+++−NH3
b6++−H2O
y9+++−H2O
y13+++
y8++
y13+++−H2O
b13+++
y10++
b6−H2O
y11−b6

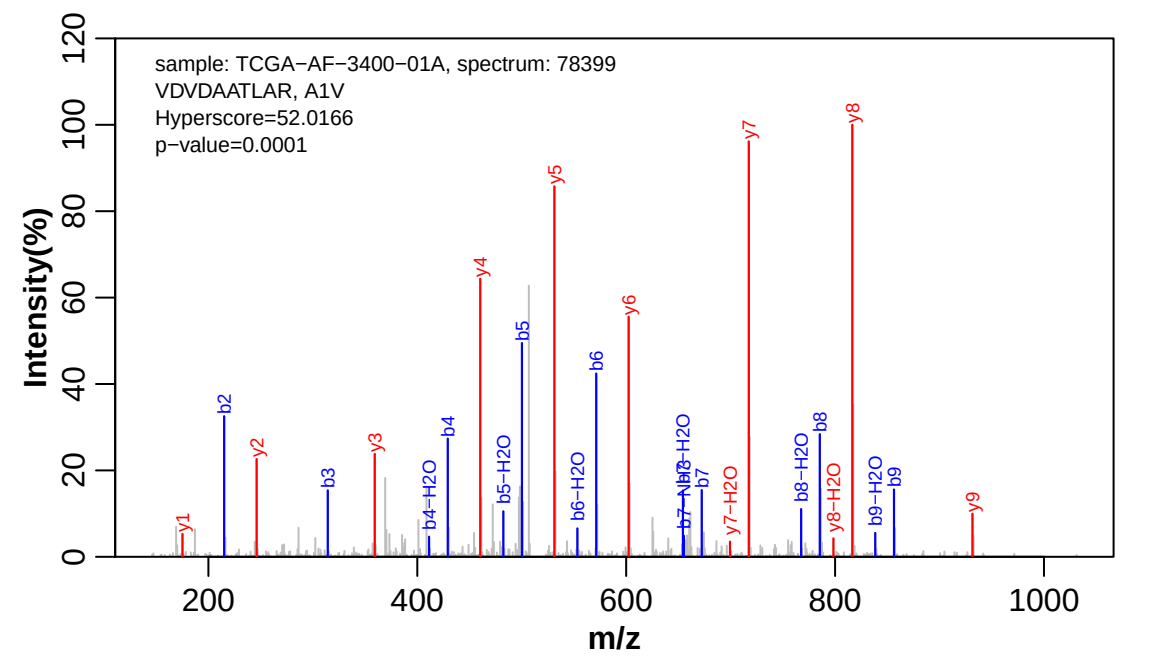

sample: TCGA−AF−3400−01A, spectrum: 45942
SQNKEDYDGLKEEFRK, A8D
Hyperscore=73.9661
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y4−H2O
y14++
b6
y12++
b7
b8

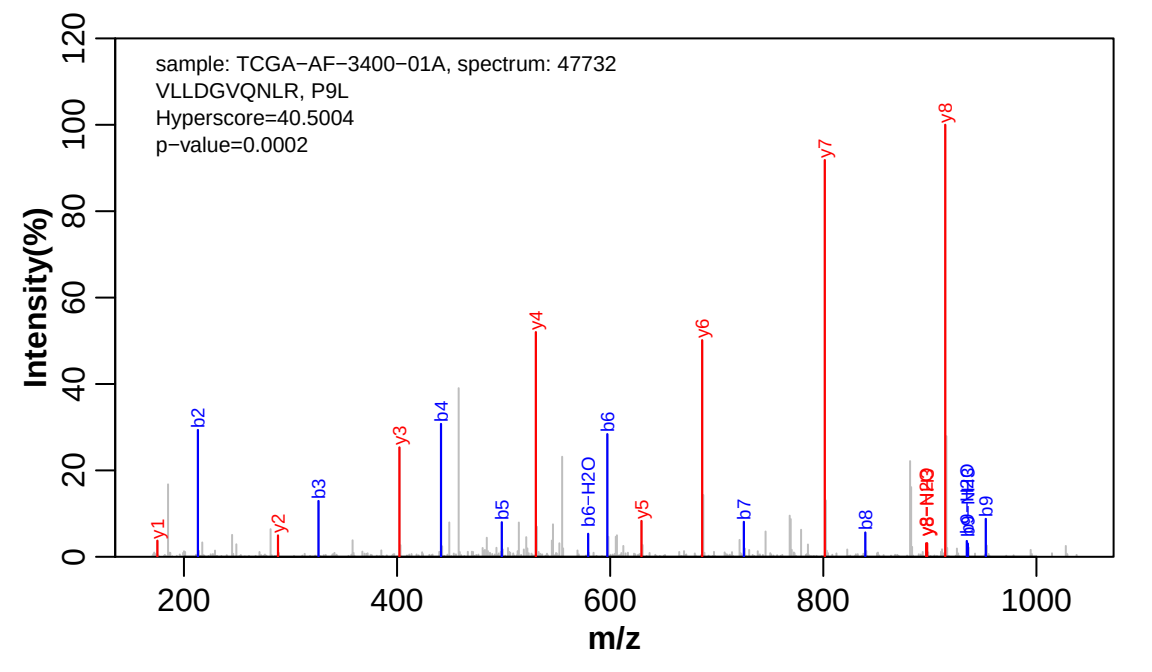

sample: TCGA−AF−3400−01A, spectrum: 25405
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=48.9393
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3−NH3
y3
b5
y4
y5−H2O
b11++
y5
y6−NH3
y6−H2O
y7−H2O
y7−NH3
y7
b8−NH3
b16++−H2O
b17++−H2O
y8−H2O
y8
b9−NH3
b19++−NH3
y9++
y9
b20++
y20++−H2O
y21−H2O
y22++−H2O
y22++−H2O
b23++
b11
y11
b25++−H2O
b26++
b27++
y13
y27++−H2O
y14−H2O
y14
b14
b28++
b15−NH3
b15
y16
b16−H2O
y17−NH3
y17
b18−NH3
b19

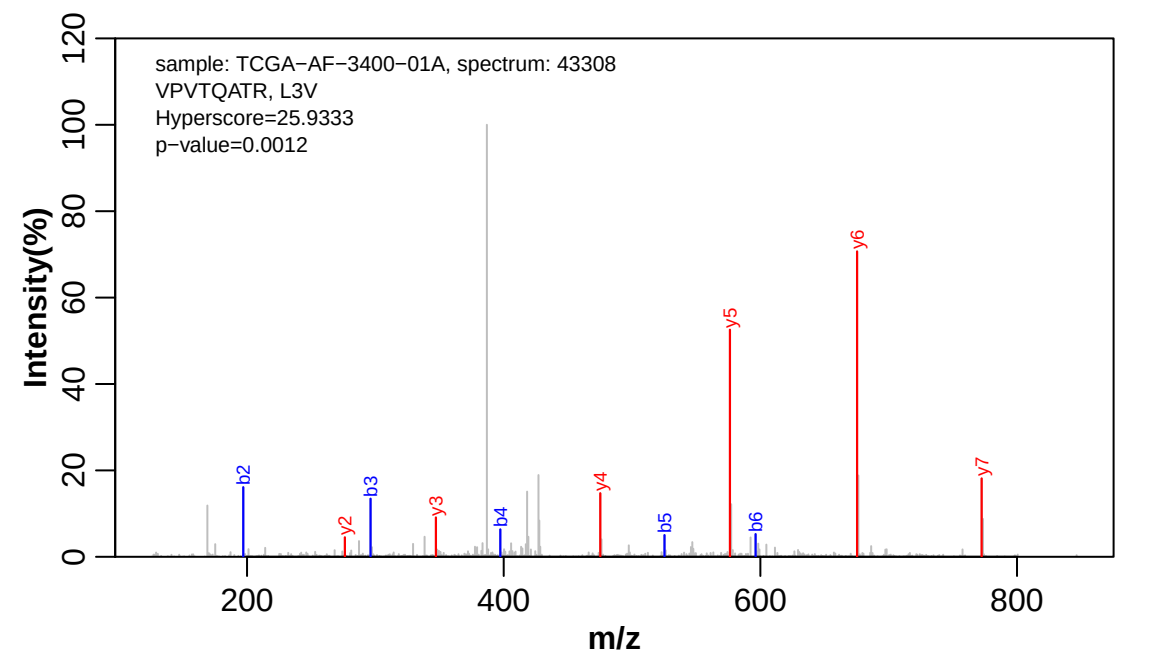

sample: TCGA−AF−3400−01A, spectrum: 17953
SSSYSGEYGSGGGK, G10S
Hyperscore=37.2719
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y9
y10
y7
y6
y8
y11
y12
b3−H2O
b3
y4
b4−H2O
y5
b4
b5−H2O
b5
y7−H2O
b7−H2O
b7
b8−H2O
b8
b9−H2O
b9
b10−H2O
b10
b11−H2O
b11
b12−H2O
b13

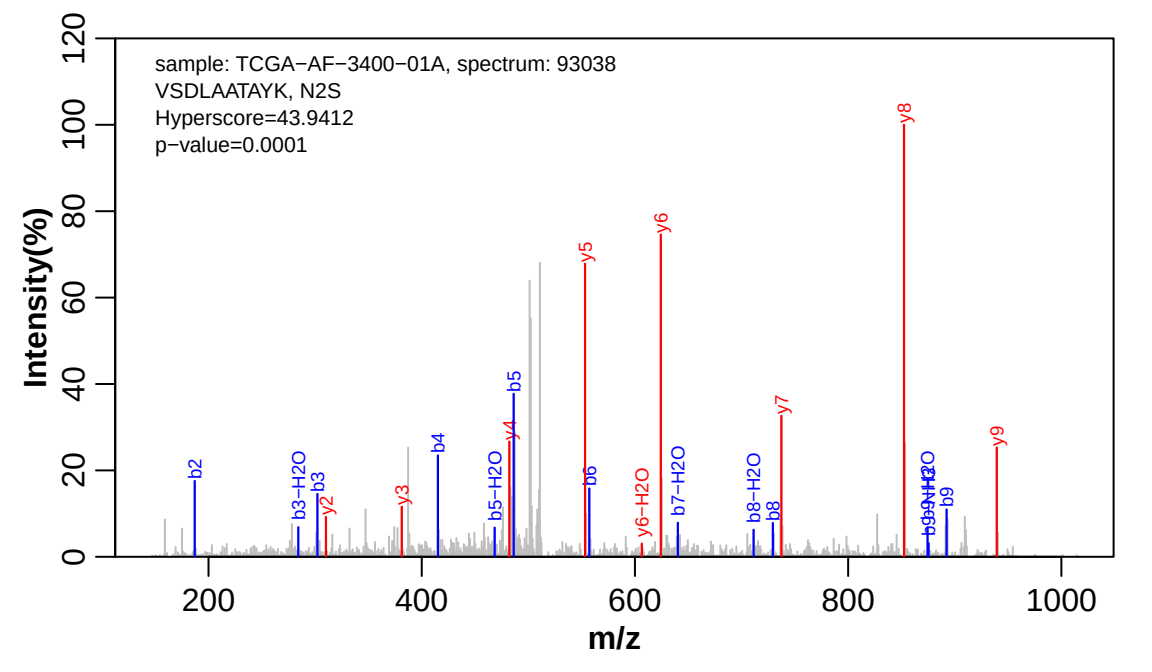

sample: TCGA−AF−3400−01A, spectrum: 93325
SVEEYANCHLAR, P1S
Hyperscore=48.1437
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
y4
y4−NH3
b5
b5−H2O
y5
y5−NH3
b6
b6−H2O
y6
y6−NH3
b7
b7−NH3
y7
y7−NH3
b8
b8−H2O
b8−NH3
y8
b9
y9
y9−NH3
b10
b10−NH3
b11
b11−NH3

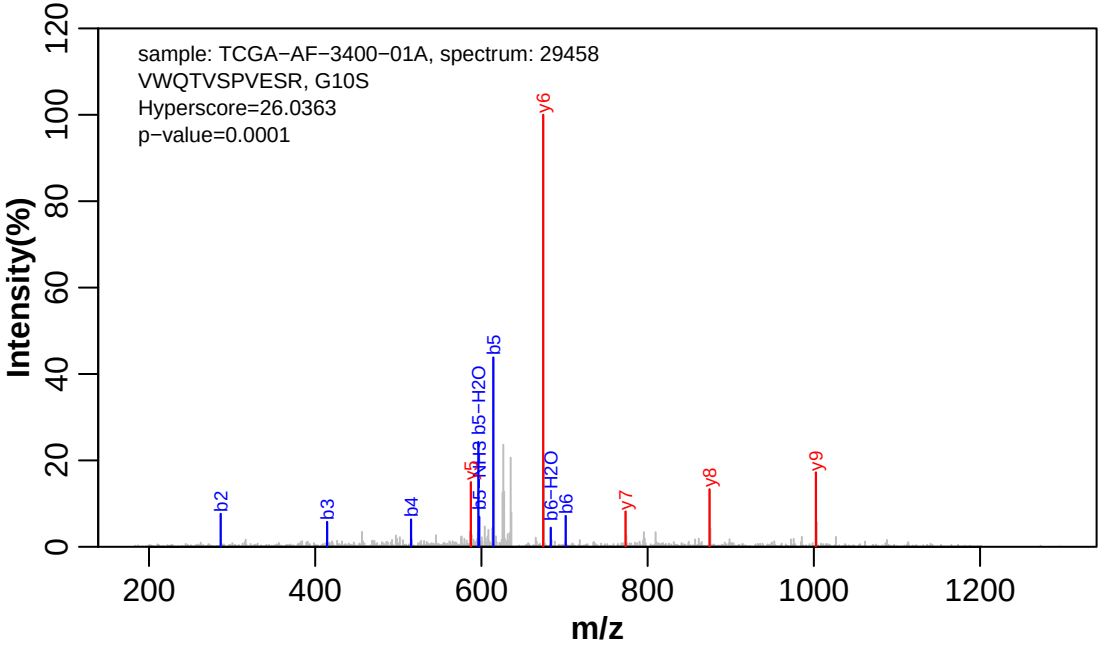

sample: TCGA−AF−3400−01A, spectrum: 41608
TPVLFDVYELK, I7V
Hyperscore=36.1192
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y4
y4−H2O
b4
b5−H2O
b5
y4
y5
b6
y6
b7
b8
y7
y8
b9−H2O
b9
y9
b10

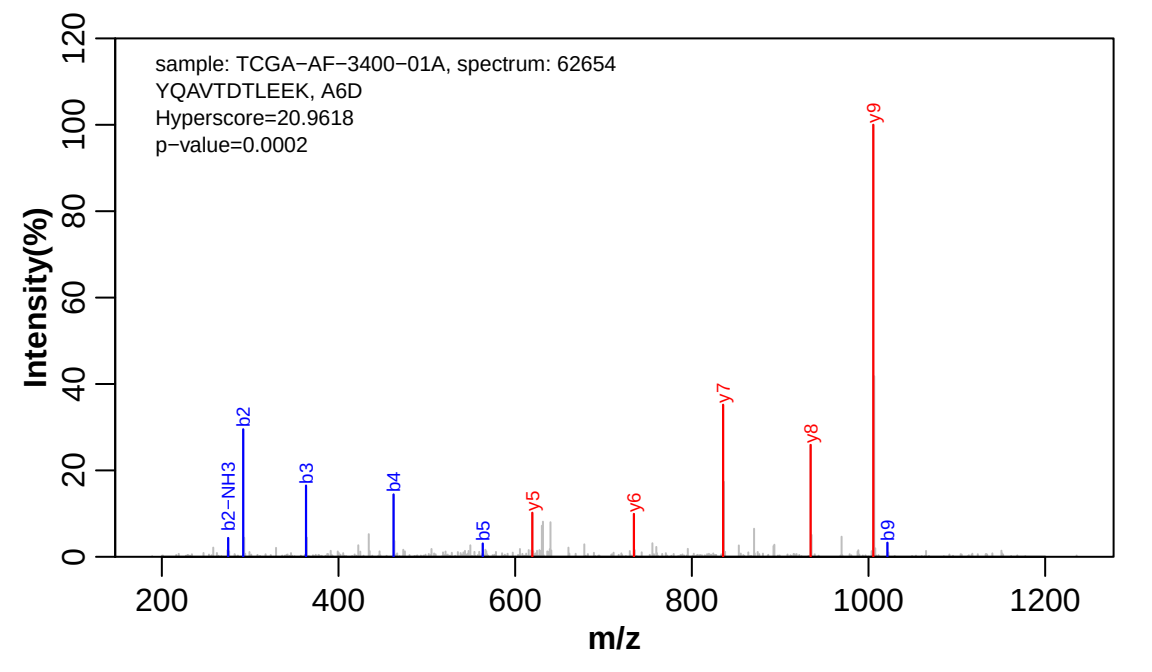

sample: TCGA−AF−3400−01A, spectrum: 78399
VDVDAATLAR, A1V
Hyperscore=52.0166
p−value=0.0001
Intensity(%)
m/z
y1
b2
y2
b3
y3
b4
b4−H2O
y4
b5
b5−H2O
y5
b6
b6−H2O
y6
b7
b7−H2O
b7−NH3
y7
y7−H2O
b8
b8−H2O
y8
y8−H2O
b9
b9−H2O
y9

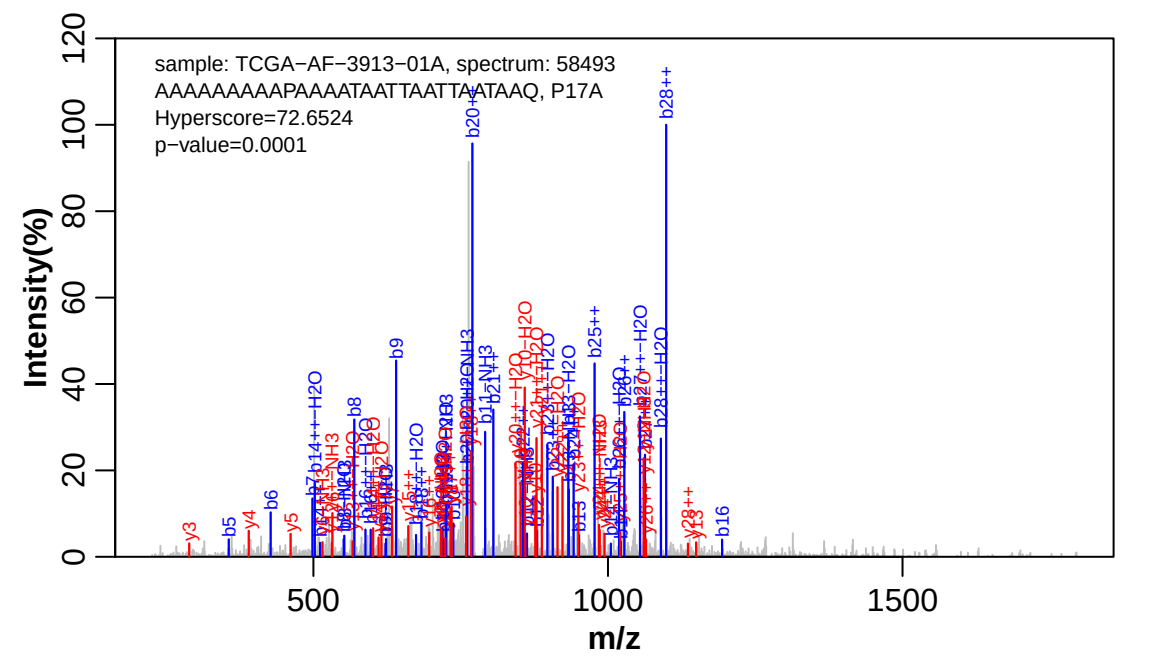

sample: TCGA−AF−3400−01A, spectrum: 47732
VLLDGVQNLR, P9L
Hyperscore=40.5004
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3
b4
b5
y4
b6−H2O
b6
y5
y6
b7
b8
y7
y8
b9

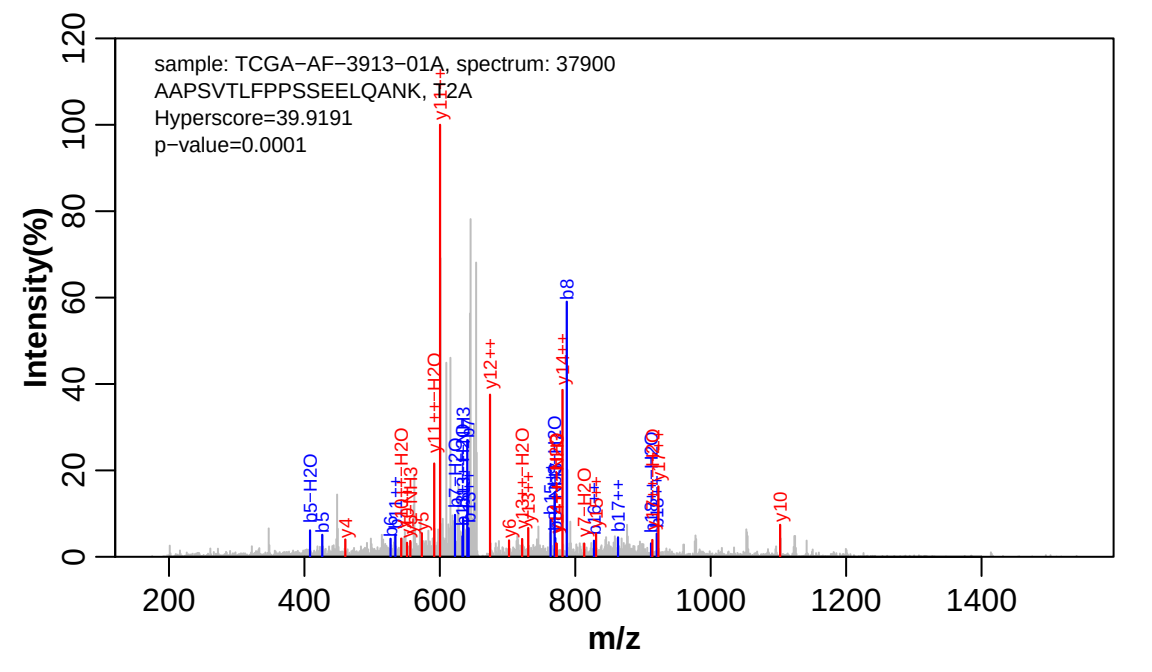

sample: TCGA−AF−3400−01A, spectrum: 43308
VPVTQATR, L3V
Hyperscore=25.9333
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2
b3
y3
b4
y4
b5
y5
b6
y6
y7

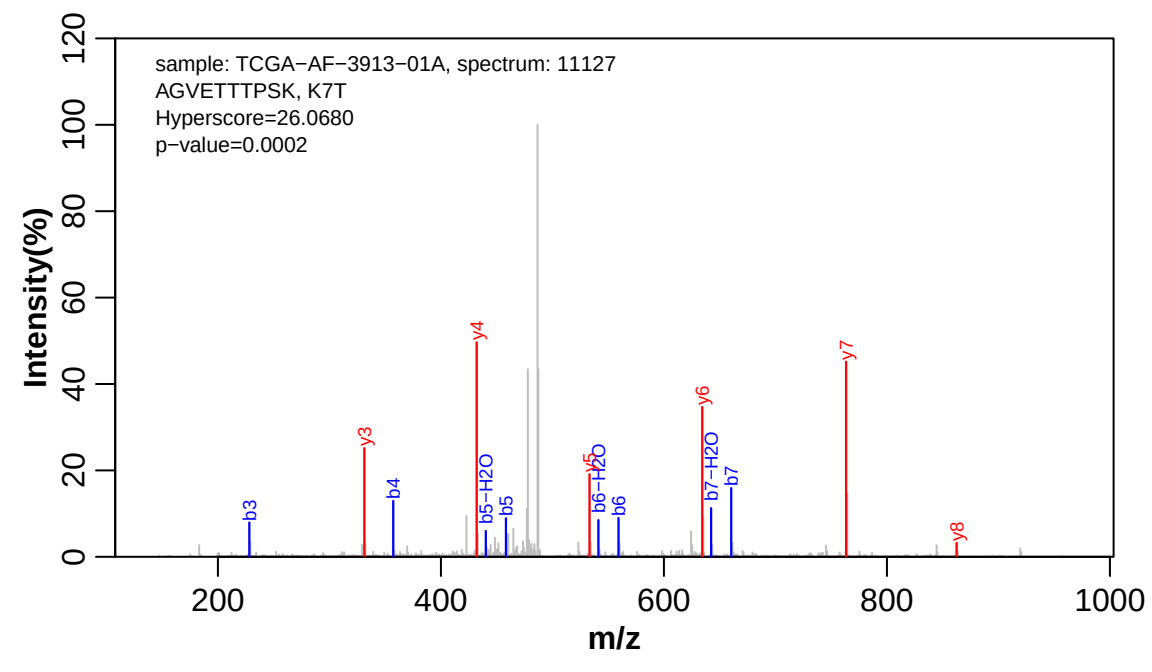

sample: TCGA−AF−3400−01A, spectrum: 93038
VSDLAATAYK, N2S
Hyperscore=43.9412
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4
b5−H2O
y4
b5
y5
b6
y6−H2O
y6
b7−H2O
b8−H2O
b8
y7
y8
b9
y9

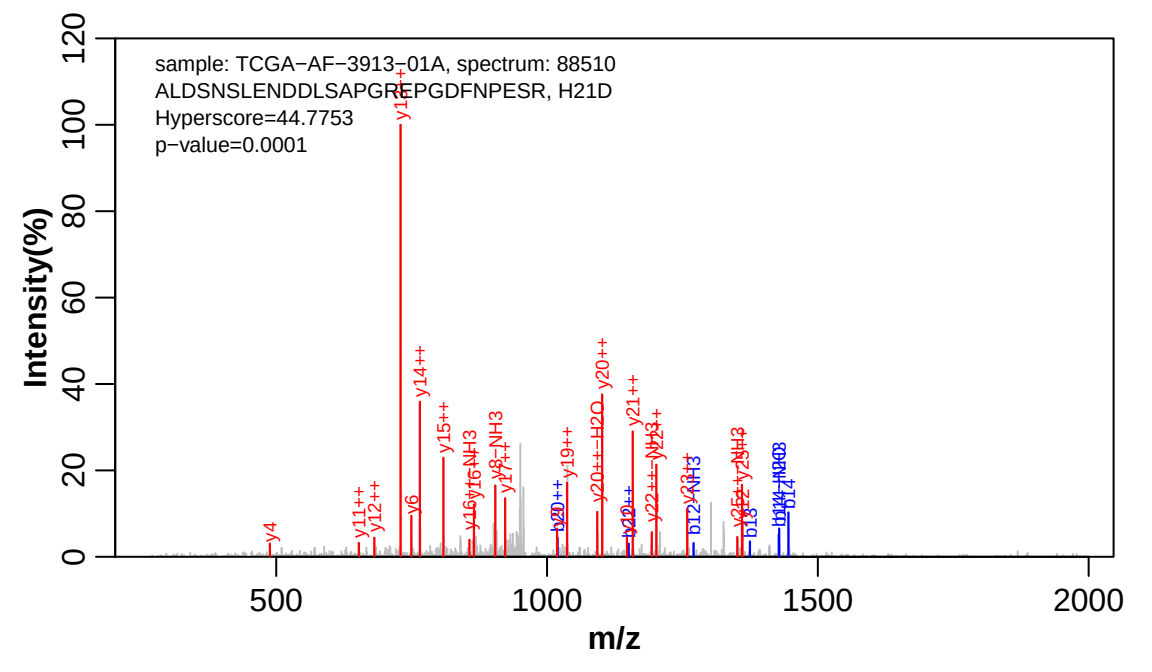

sample: TCGA−AF−3400−01A, spectrum: 29458
VWQTVSPVESR, G10S
Hyperscore=26.0363
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
b4
y5
b5−NH3
b5−H2O
b5
b6−H2O
b6
y7
y8
y6
y9

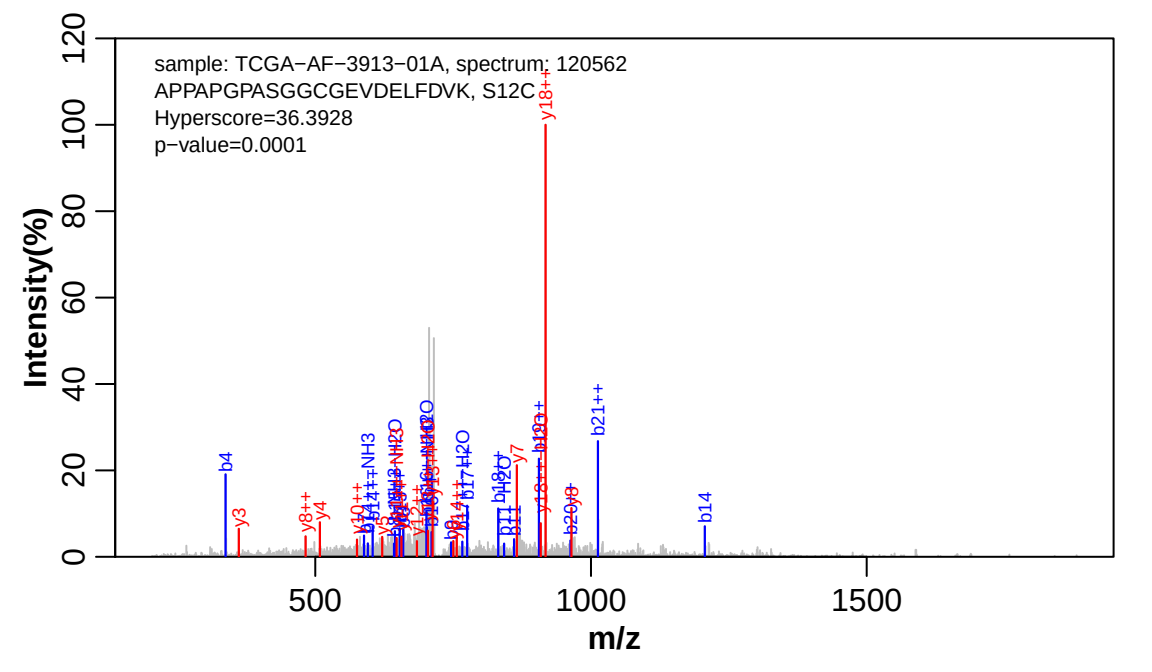

sample: TCGA−AF−3400−01A, spectrum: 62654
YQAVTDTLEEK, A6D
Hyperscore=20.9618
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−NH3
b2
b3
b4
b5
y5
y6
y7
y8
y9
b9

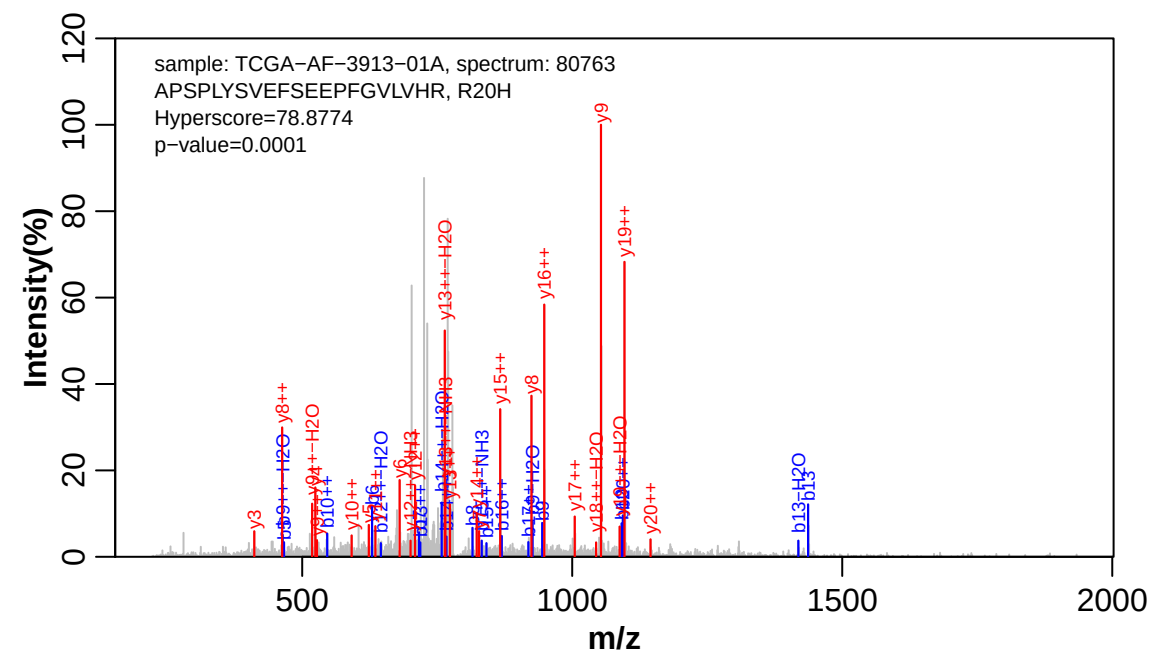

sample: TCGA−AF−3913−01A, spectrum: 58493
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=72.6524
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b20++
b25++
b9
b6
b5
y4
y5
y3
b16
b14++−H2O
b14++−NH3
b8
b14++
b2+−NH3
b2+
b28++−H2O
b28++−NH3
y28++
y28++−H2O
y28++−NH3
b13
y23++−H2O
y23++
y23++−NH3
b20++−H2O
b20++−NH3
b20++−2H2O
b21+−NH3
b21+
b21+−H2O
b13−H2O
b13−NH3
b13−2H2O
y28++−2H2O
y28++−2NH3
y23++−2H2O
y23++−2NH3
b25++−H2O
b25++−NH3
b25++−2H2O
b25++−2NH3
b2+−H2O
b2+−NH3
b2+−2H2O
b2+−2NH3
y16++
y16++−H2O
y16++−NH3
y16++−2H2O
y16++−2NH3
y28++
y28++−H2O
y28++−NH3
y28++−2H2O
y28++−2NH3
y23++
y23++−H2O
y23++−NH3
y23++−2H2O
y23++−2NH3
b28++−H2O
b28++−NH3
b28++−2H2O
b28++−2NH3
b20++−H2O
b20++−NH3
b20++−2H2O
b20++−2NH3
b21+−H2O
b21+−NH3
b21+−2H2O
b21+−2NH3
b13−H2O
b13−NH3
b13−2H2O
b13−2NH3
b25++−H2O
b25++−NH3
b25++−2H2O
b25++−2NH3
b2+−H2O
b2+−NH3
b2+−2H2O
b2+−2NH3
y16++
y16++−H2O
y16++−NH3
y16++−2H2O
y16++−2NH3
y28++
y28++−H2O
y28++−NH3
y28++−2H2O
y28++−2NH3
y23++
y23++−H2O
y23++−NH3
y23++−2H2O
y23++−2NH3

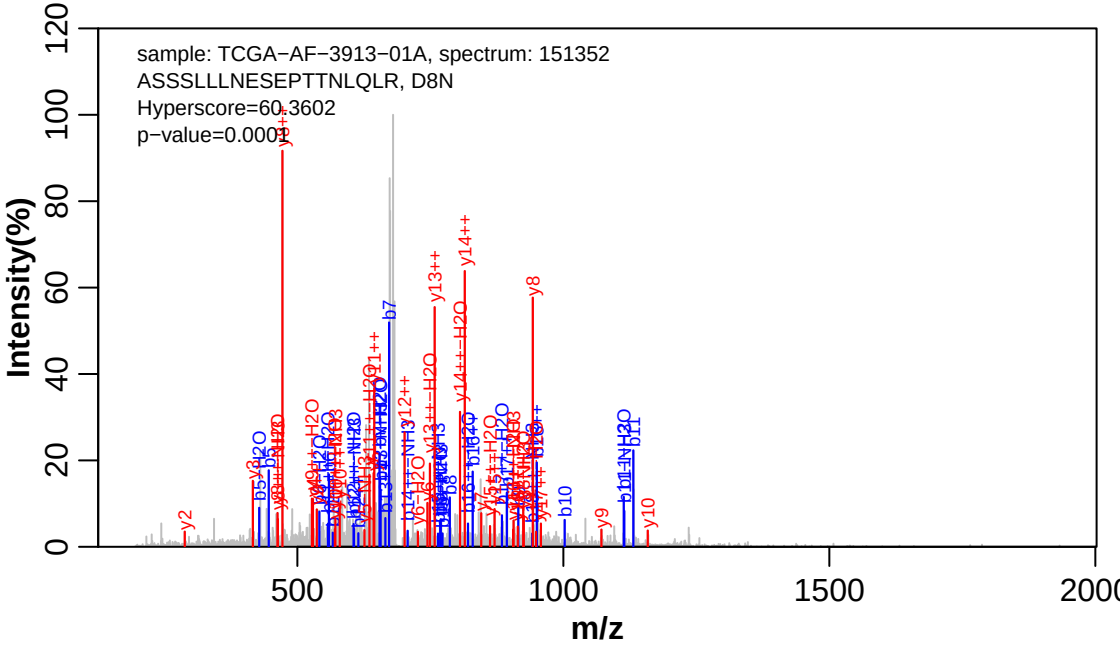

sample: TCGA−AF−3913−01A, spectrum: 37900
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=39.9191
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y11++
y12++
y14++
b8
b5−H2O
b5
y4
y5
y6
y7−H2O
b17++
y10

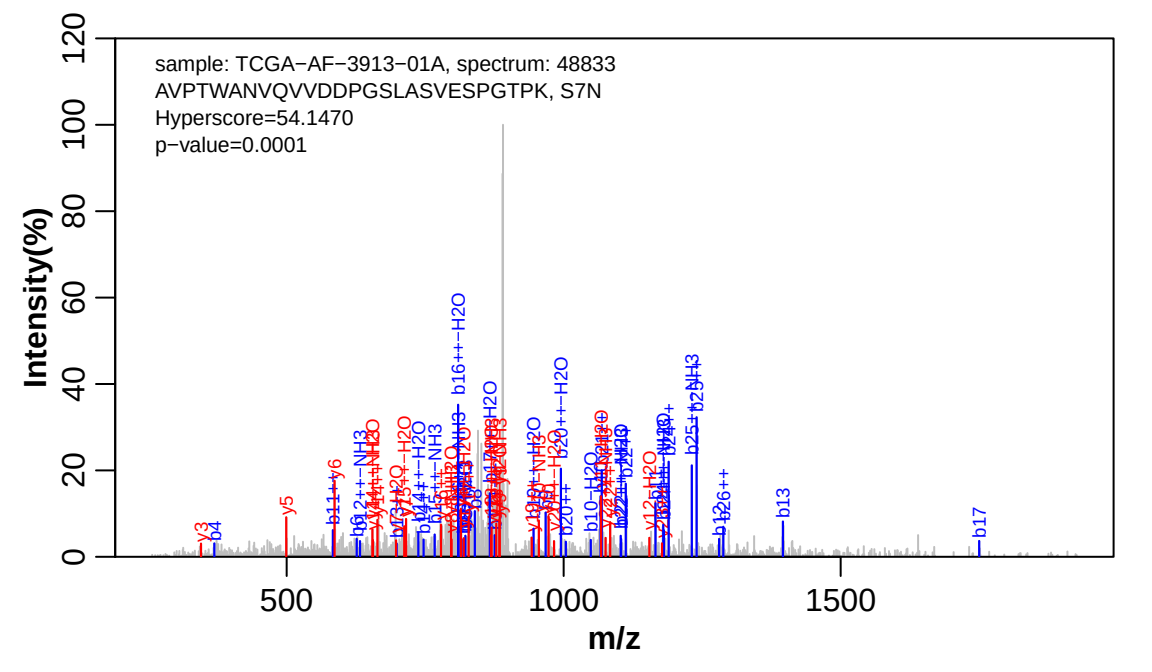

sample: TCGA−AF−3913−01A, spectrum: 11127
AGVETTTPSK, K7T
Hyperscore=26.0680
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8

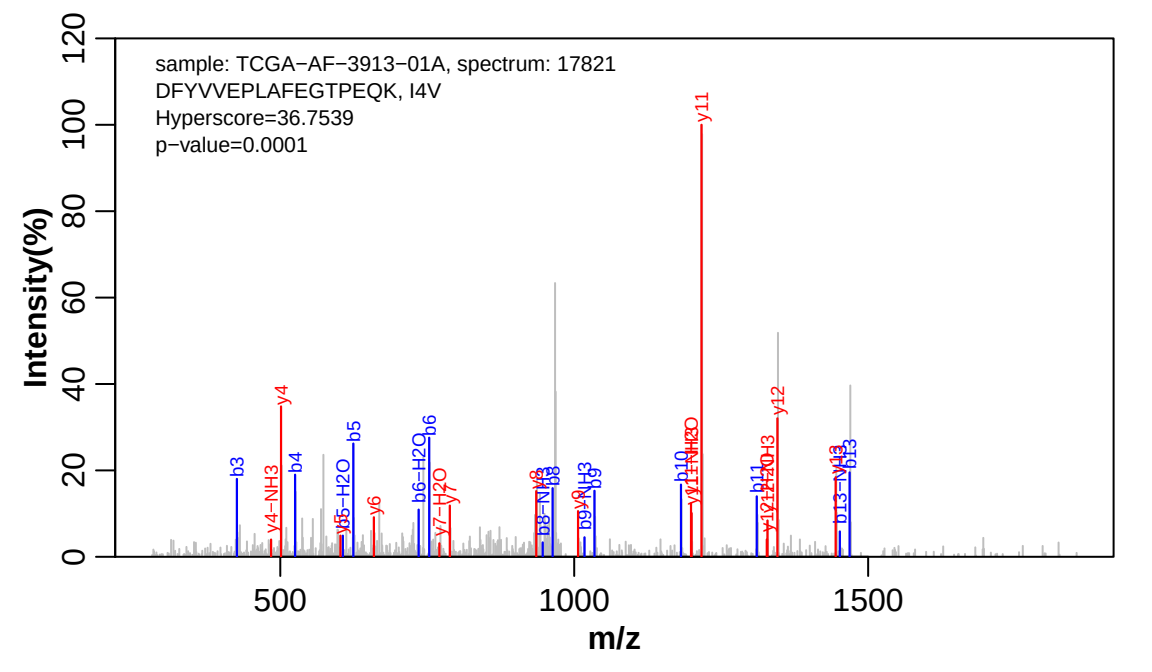

sample: TCGA−AF−3913−01A, spectrum: 88510
ALDSNSLENDDLSAPGREPGDFNPESR, H21D
Hyperscore=44.7753
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
y11++
y12++
y6
y14++
y15++
y16++
y16++−NH3
y8++−NH3
y17++
y19++
y20++−H2O
y20++
y21++
y22++−NH3
y22++
b12++−NH3
b12++
b20++
b21++
y25++−NH3
y25++
b13
b14++−NH3
b14++

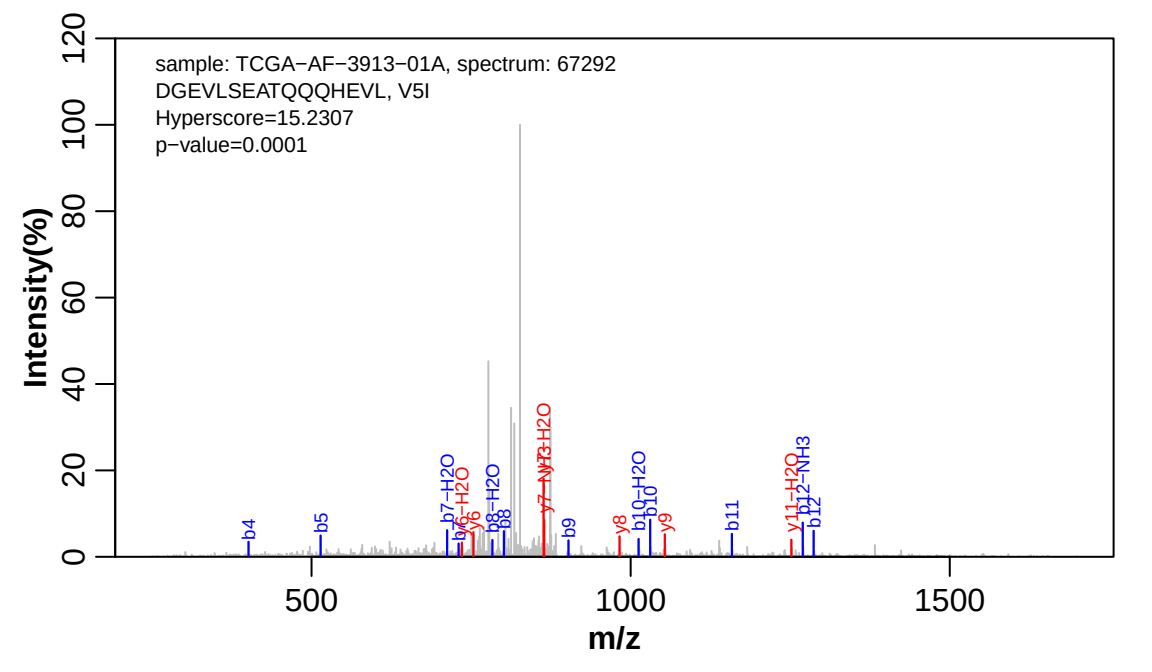

sample: TCGA−AF−3913−01A, spectrum: 120562
APPAPGPASGGCGEVDELFDVK, S12C
Hyperscore=36.3928
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y3
y8++
y4
b14
b21++

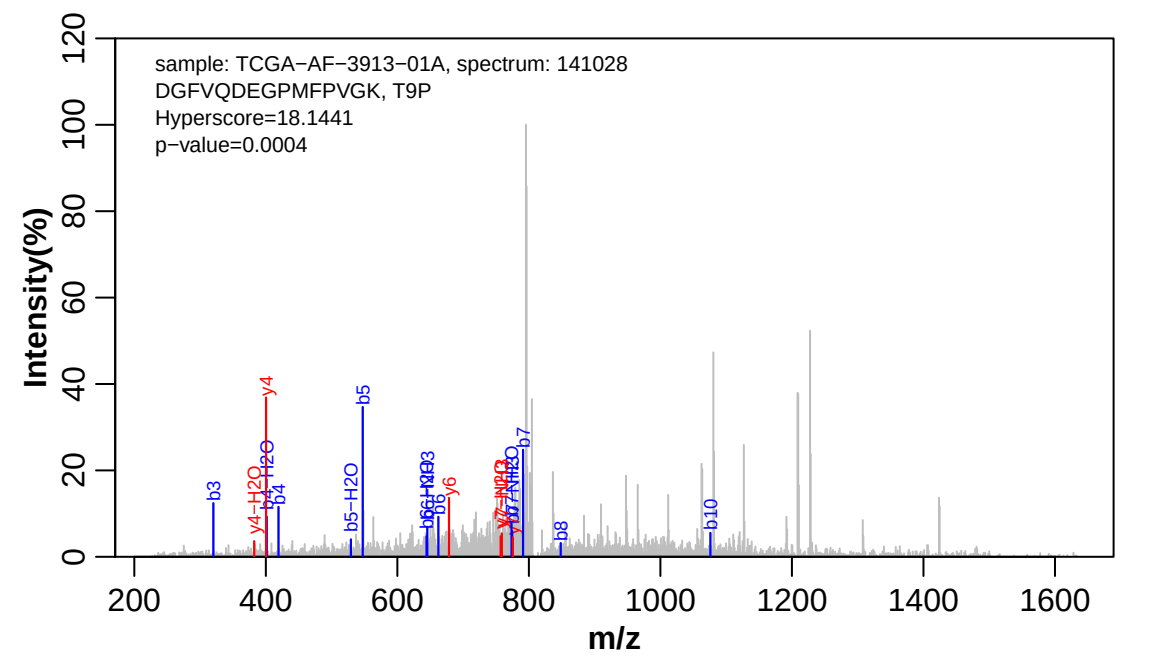

sample: TCGA−AF−3913−01A, spectrum: 80763
APSPLYSVEFSEEPFGVLVHR, R20H
Hyperscore=78.8774
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y9
y19++
y16++
y13++−H2O
y8
y15++
y8++
y3
y17++
y20++
b13−H2O
b13

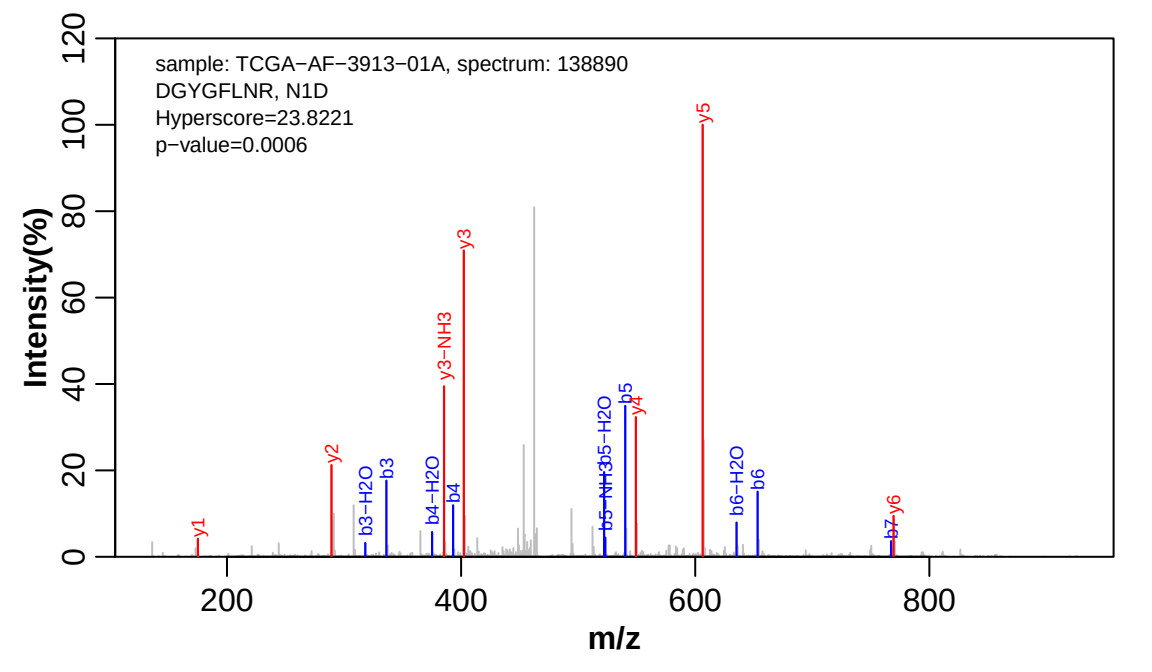

sample: TCGA−AF−3913−01A, spectrum: 151352
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=60.3602
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b5
y6
b6
y7
y8
b7
y9
b10
y10
y11
y12++
y13++
y14++
y14++−H2O

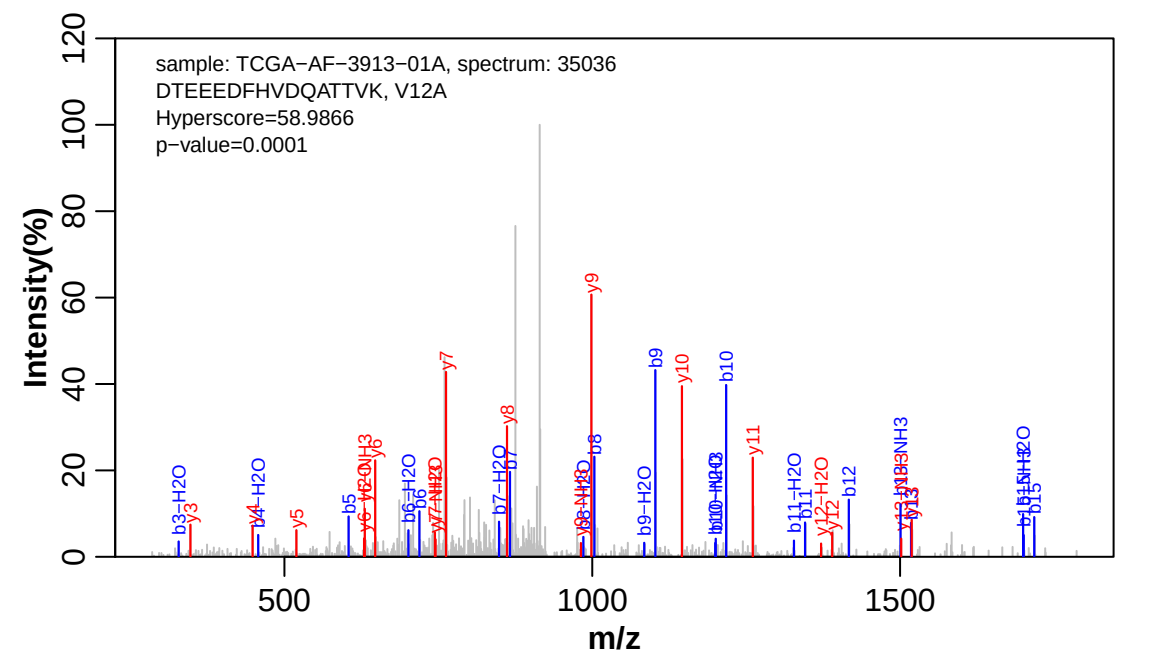

sample: TCGA−AF−3913−01A, spectrum: 48833
AVPTWANVQVVDDPGSLASVESPGTPK, S7N
Hyperscore=54.1470
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
b4
y5
b11++y6
b16++−H2O
b17++−H2O
b20++−H2O
b25++b29++−NH3
b26++
b13
b17

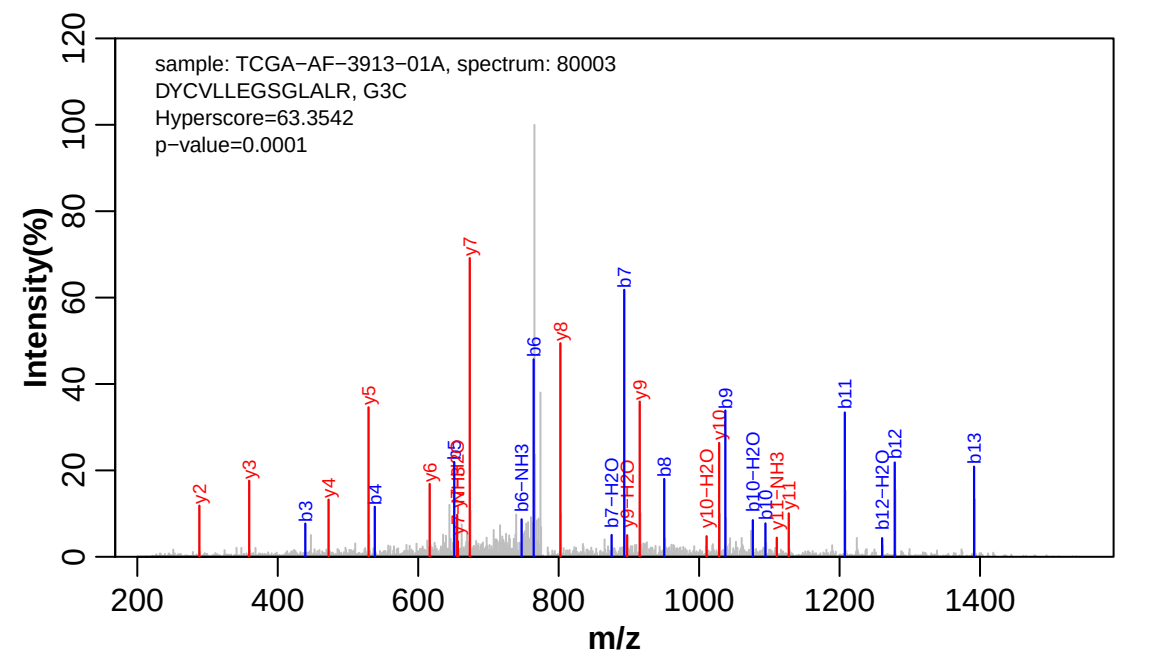

sample: TCGA−AF−3913−01A, spectrum: 17821
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=36.7539
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
y4−NH3
b4
b5
b5−H2O
y6
b6
b6−H2O
y7
y7−H2O
b8
b8−NH3
y9
y9−NH3
b9
y11
y11−H2O
b10
y12
y12−H2O
b11
y12−H2O−H3
b13
b13−NH3

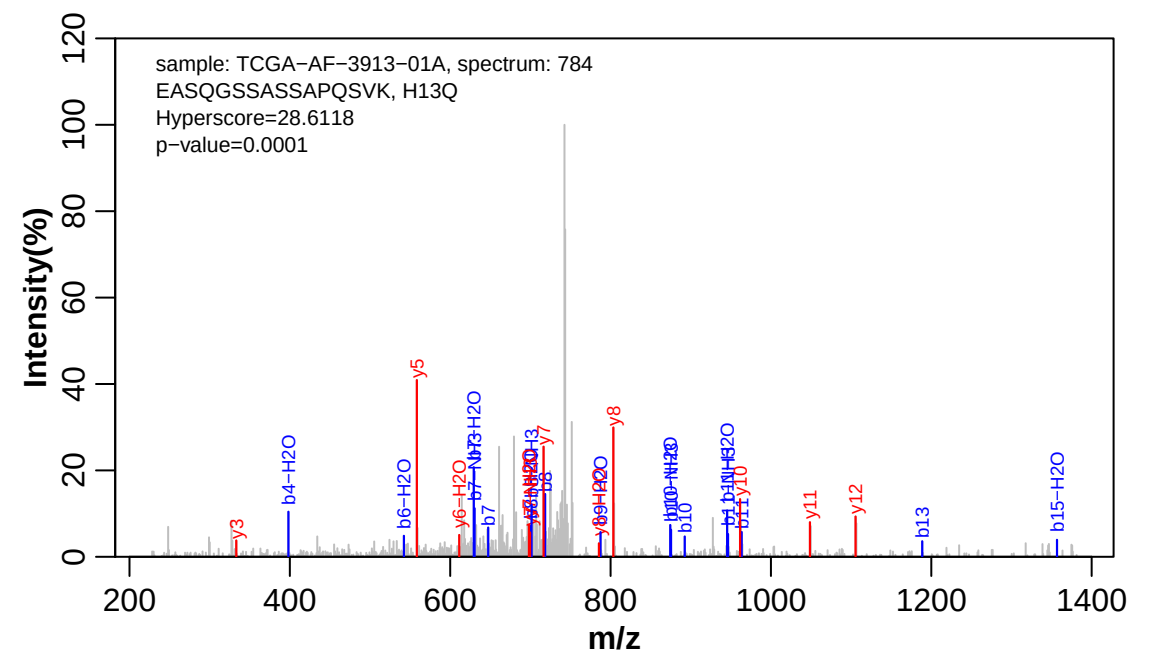

sample: TCGA−AF−3913−01A, spectrum: 67292
DGEVLSEATQQQHEVL, V5I
Hyperscore=15.2307
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4
b5
b7-H2O
b7
y6-H2O
y6
b8-H2O
b8
y7-NH3
y7-H2O
b9
y8
b10-H2O
b10
y9
b11
y11-H2O
b12-NH3
b12

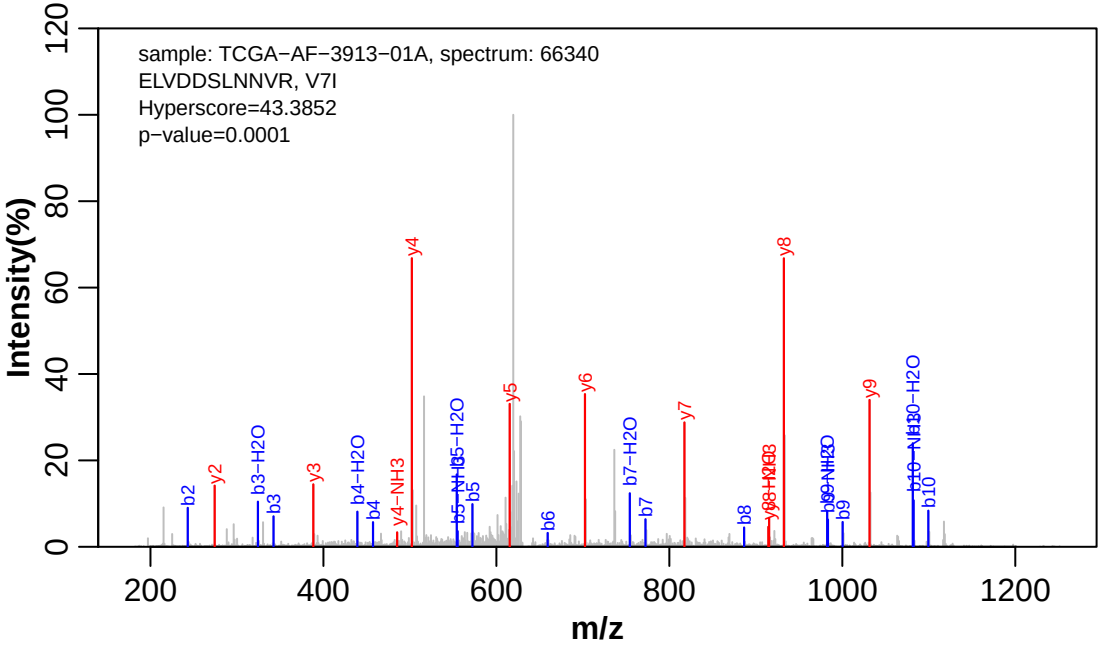

sample: TCGA−AF−3913−01A, spectrum: 141028
DGFVQDEGPMFPVGK, T9P
Hyperscore=18.1441
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y4−H2O
y4
b4−H2O
b4
b5−H2O
b5
b6−H2O
b6
y6
b7
b8
b10

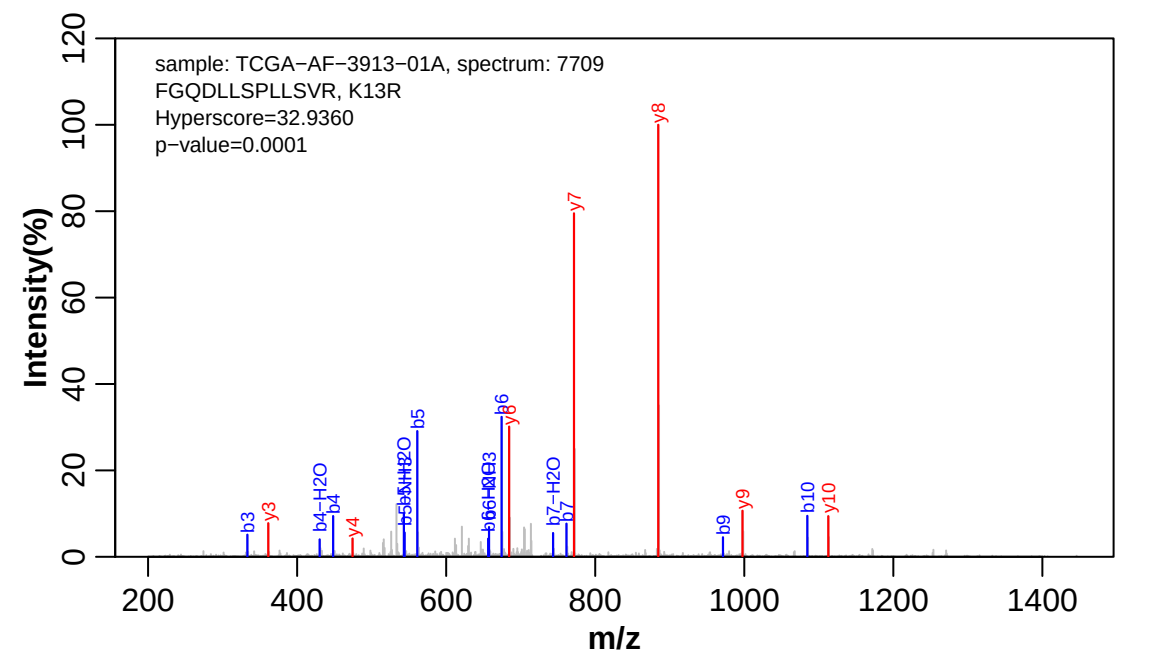

sample: TCGA−AF−3913−01A, spectrum: 138890
DGYGFLNR, N1D
Hyperscore=23.8221
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

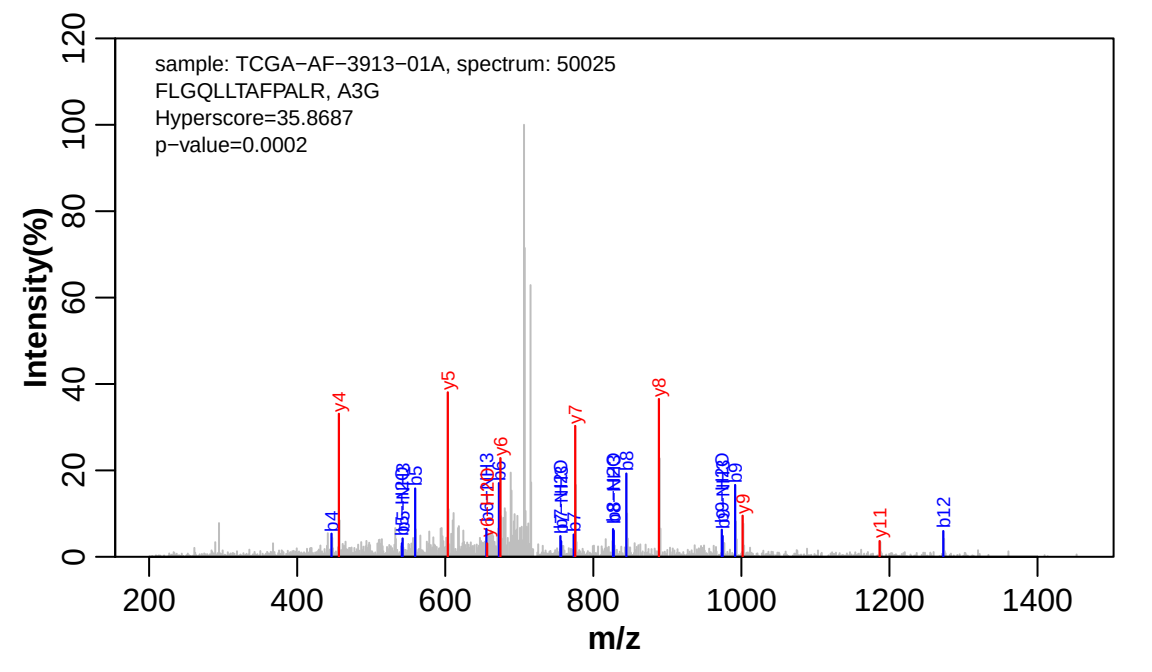

sample: TCGA−AF−3913−01A, spectrum: 35036
DTEEEDFHVDQATTVK, V12A
Hyperscore=58.9866
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
y3
y4−H2O
y4
y5
b5
y6−NH3
y6
y8
b6−H2O
b6
y7−H2O
y7
y7
b7−H2O
b7
y8
y8−NH3
y8
b8
y9
b9
b9−H2O
y10
b10
b10−NH3
b10
y11
b11−H2O
b11
y12−H2O
y12
b12
y13
b15−NH3
b15−H2O
b15

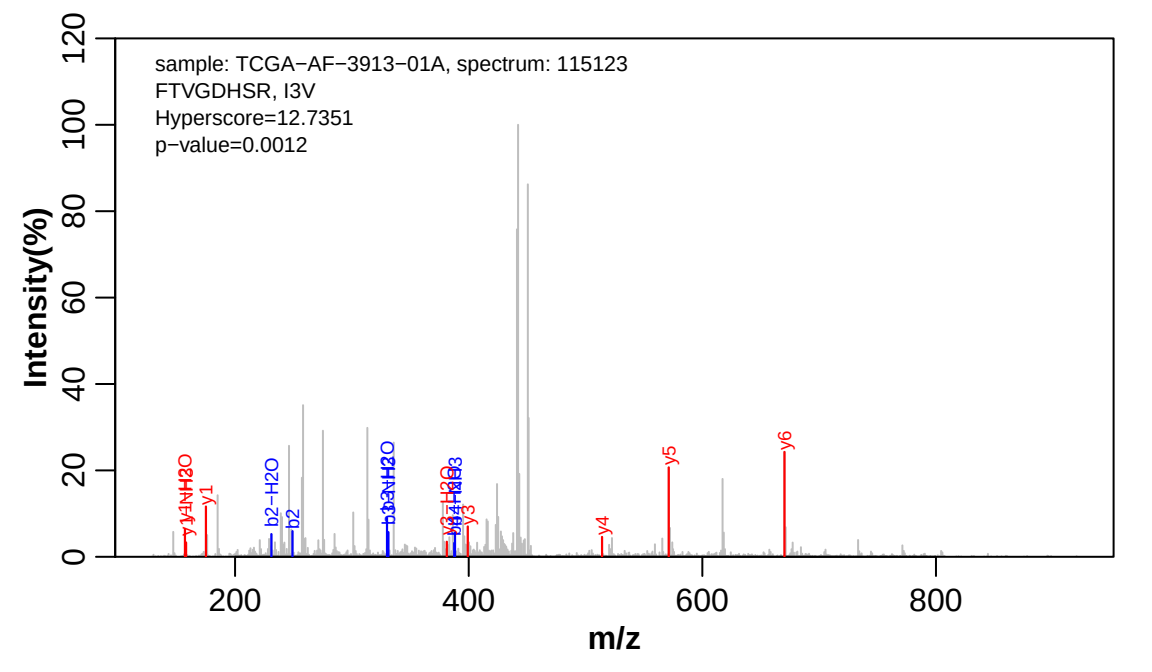

sample: TCGA−AF−3913−01A, spectrum: 80003
DYCVLLEGSGLALR, G3C
Hyperscore=63.3542
p−value=0.0001
Intensity(%)
m/z
y2
y3
b3
y4
y5
b4
y6
y7
y7−NH3
y7−H2O
b6
b6−NH3
y8
b7
b7−H2O
y9−H2O
y9
b8
y10−H2O
y10
b9
b10−H2O
b10
y11−NH3
y11
b11
b12−H2O
b12
b13

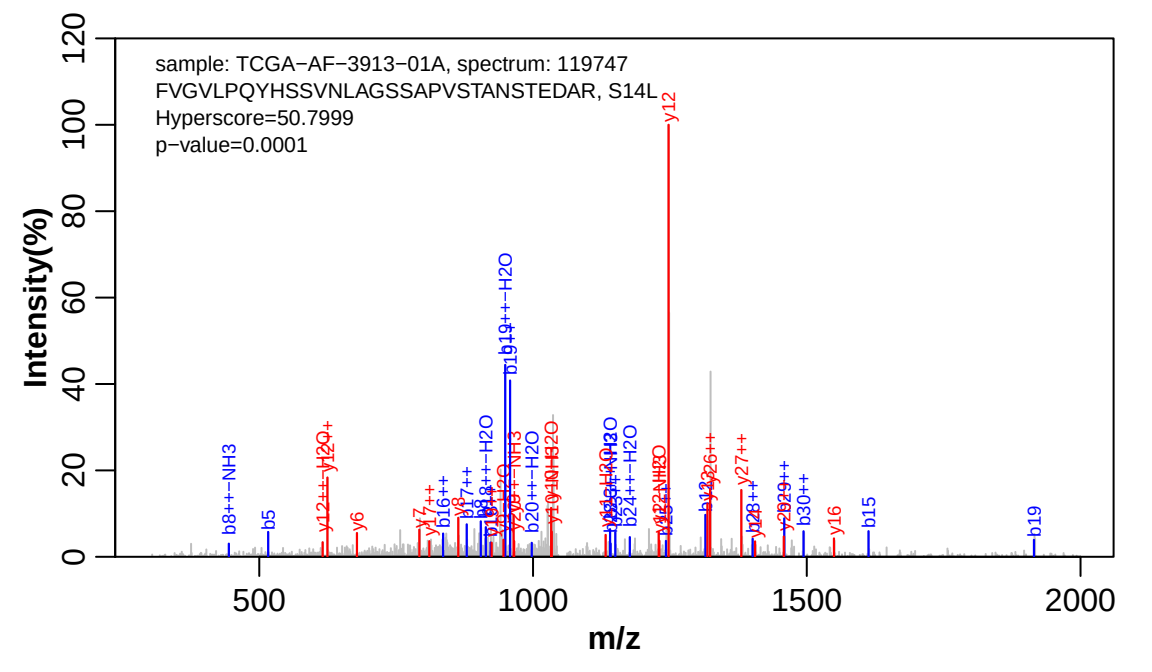

sample: TCGA−AF−3913−01A, spectrum: 784
EASQGSSASSAPQSVK, H13Q
Hyperscore=28.6118
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b4−H2O
y5
b6−H2O
y6−H2O
b7−NH3
b7−H2O
b7
y7
b8
y8
y9−H2O
b10−NH3
b10−H2O
b10
b11−H2O
y10
y11
y12
b13
b15−H2O

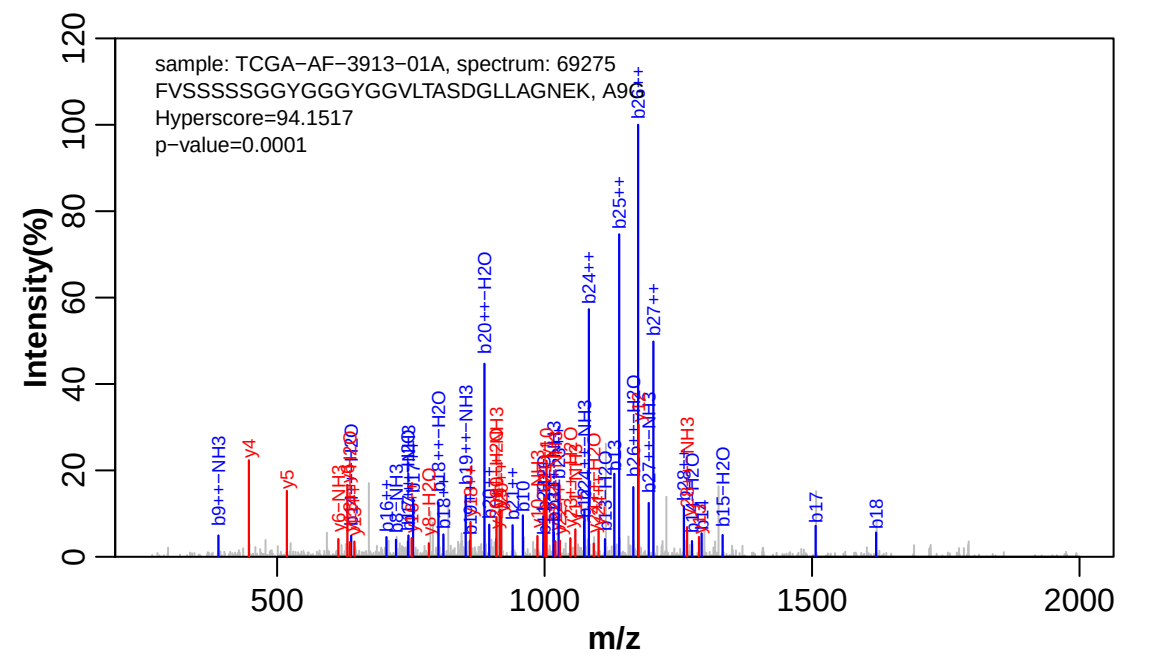

sample: TCGA−AF−3913−01A, spectrum: 66340
ELVDDSLNNVR, V7I
Hyperscore=43.3852
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
b5−NH3
b5−H2O
b5
y5
b6
y6
b7−H2O
b7
y7
b8
y8
b9−NH3
b9−H2O
b9
y9
b10−NH3
b10−H2O
b10

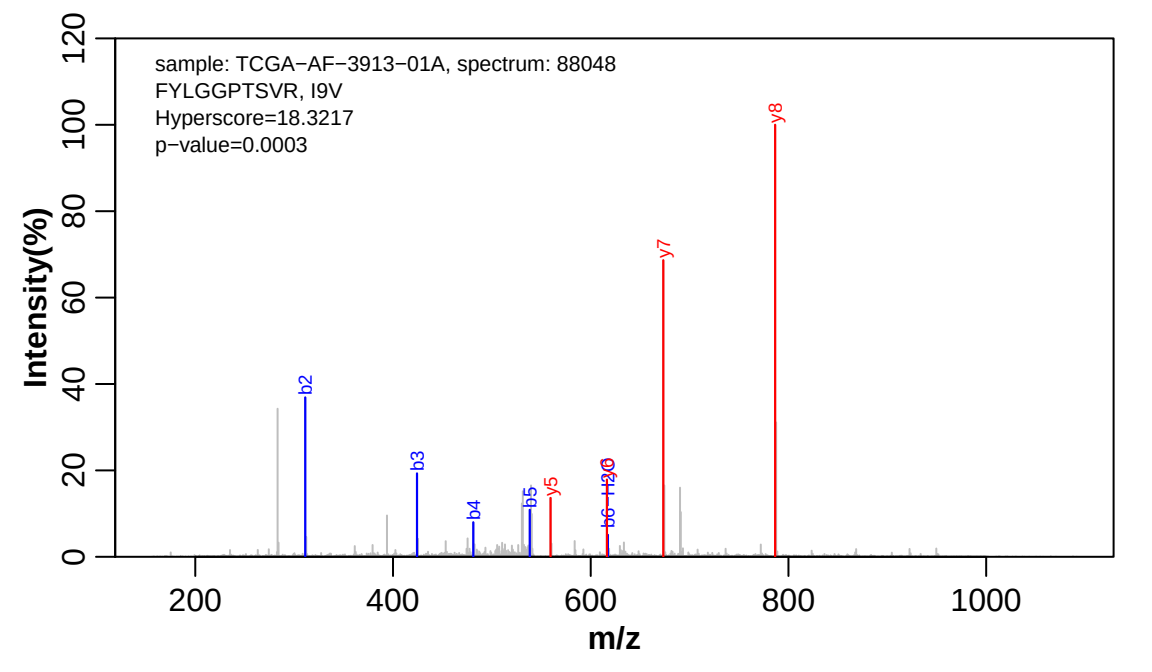

sample: TCGA−AF−3913−01A, spectrum: 7709
FGQDLLSPLLSVR, K13R
Hyperscore=32.9360
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5
b6
y8
b7−H2O
b7
y7
y8
b9
y9
b10
y10

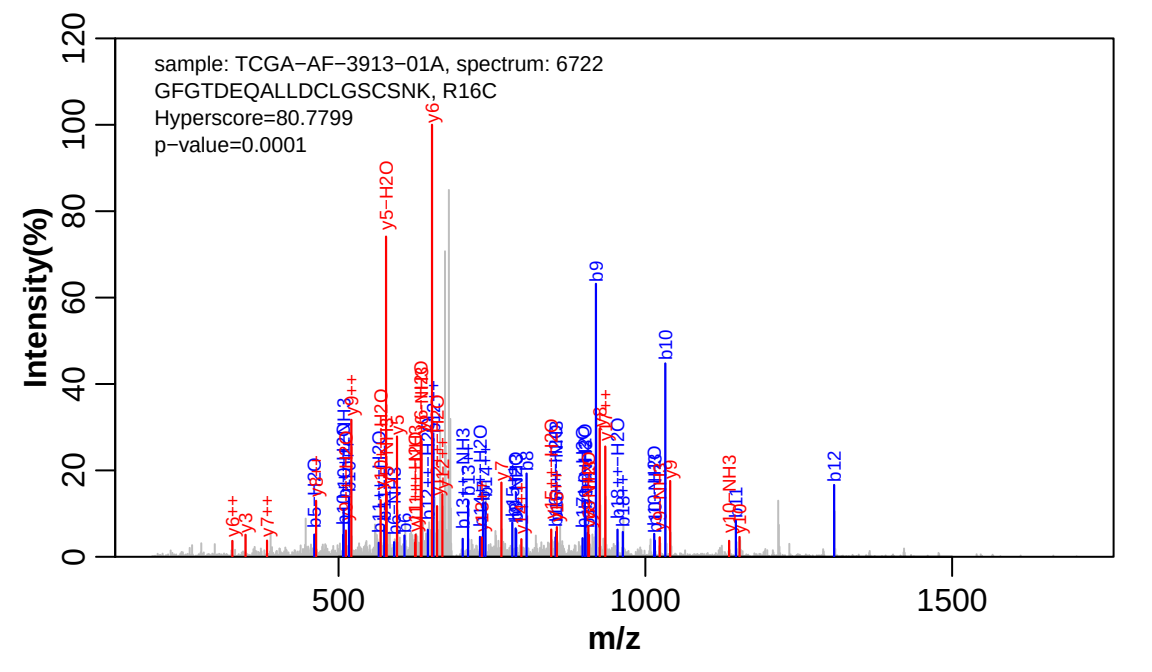

sample: TCGA−AF−3913−01A, spectrum: 50025
FLGQLLTAFPALR, A3G
Hyperscore=35.8687
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4
y4
y5
y6
y7
y8
y9
y11
b12

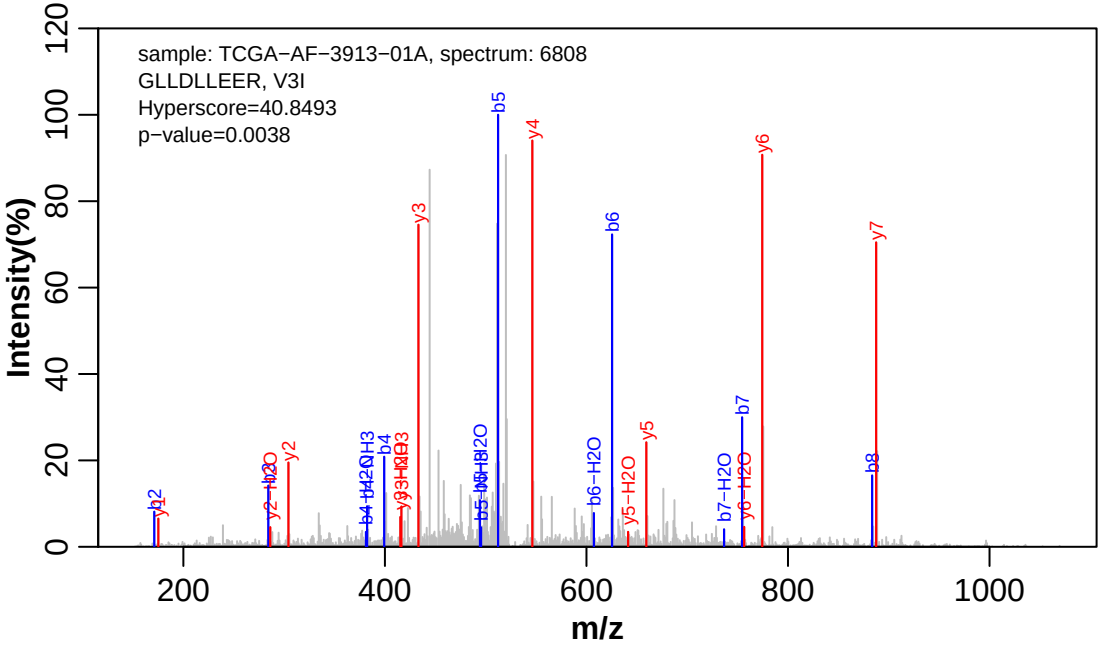

sample: TCGA−AF−3913−01A, spectrum: 115123
FTVGDHSR, I3V
Hyperscore=12.7351
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
y4
y5
y6

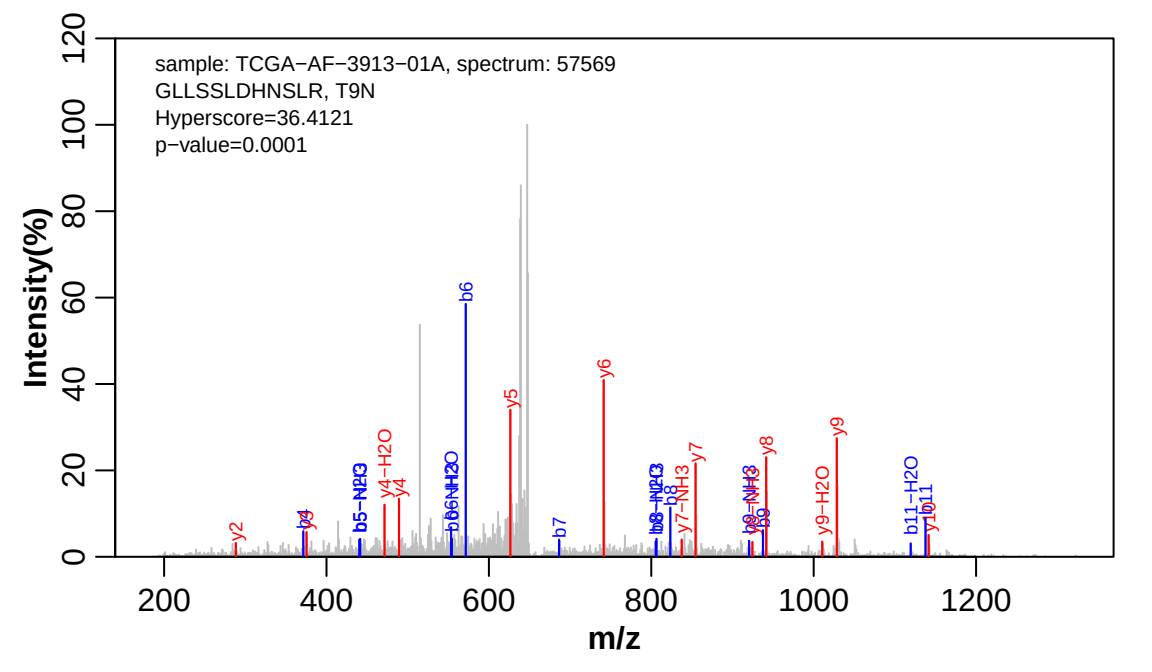

sample: TCGA−AF−3913−01A, spectrum: 119747
FVGVLPQYHSSVNLAGSSAPVSTANSTEDAR, S14L
Hyperscore=50.7999
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
b19++−H2O
b8++−NH3
b5
y12++
y12+
y6
y7++
b16++
y8
b7++
b8++−H2O
b20++−NH3
b20++−H2O
y10+−NH3
y10+−H2O
b24++−NH3
b24++−H2O
b24++−H2O
b24++
y26++
y27++
y28++
y29++
b30++
y16
b15
b19

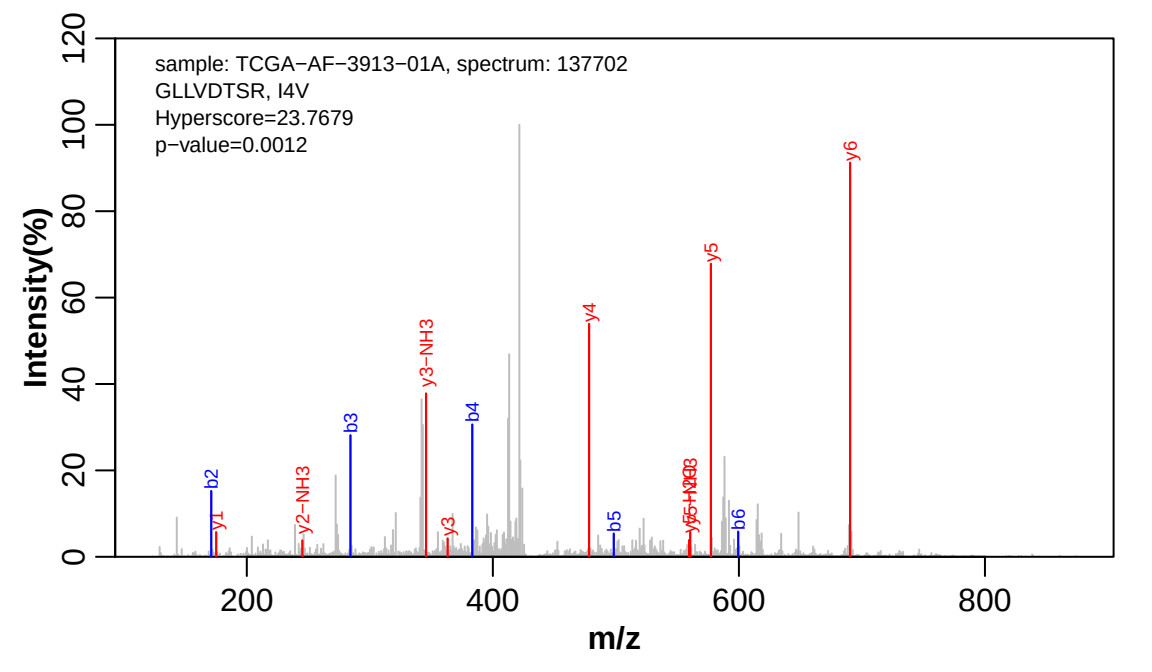

sample: TCGA−AF−3913−01A, spectrum: 69275
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=94.1517
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
b18
b17
b15−H2O
b24++
b25++
b26++
b27++
b20++−H2O

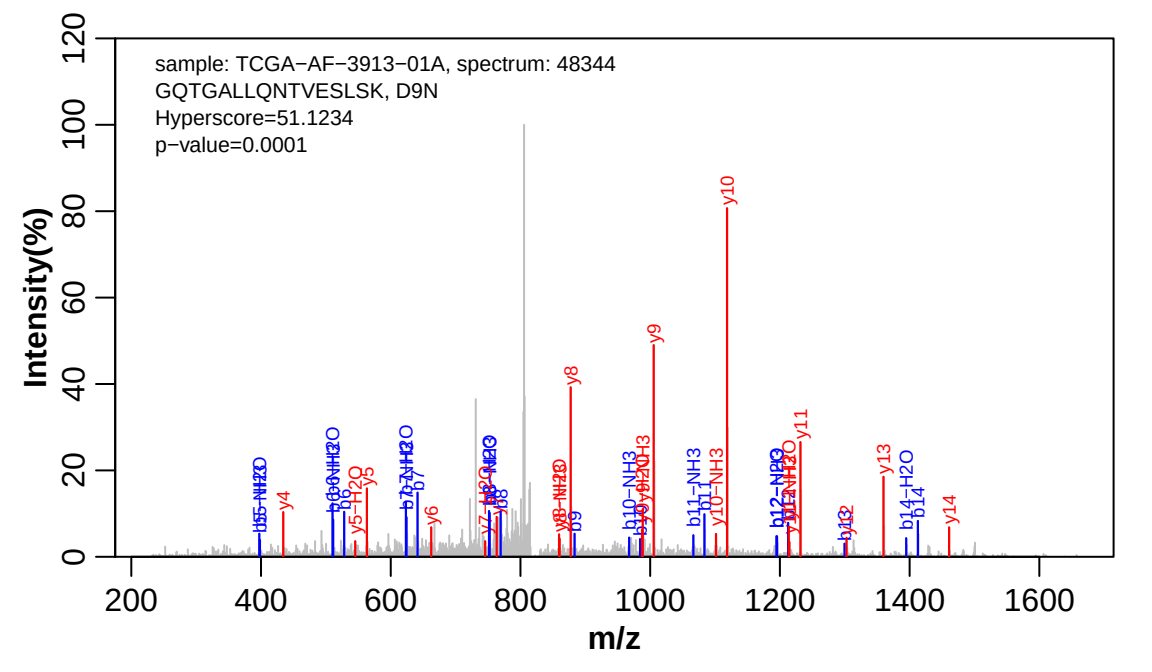

sample: TCGA−AF−3913−01A, spectrum: 88048
FYLGGPTSVR, I9V
Hyperscore=18.3217
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

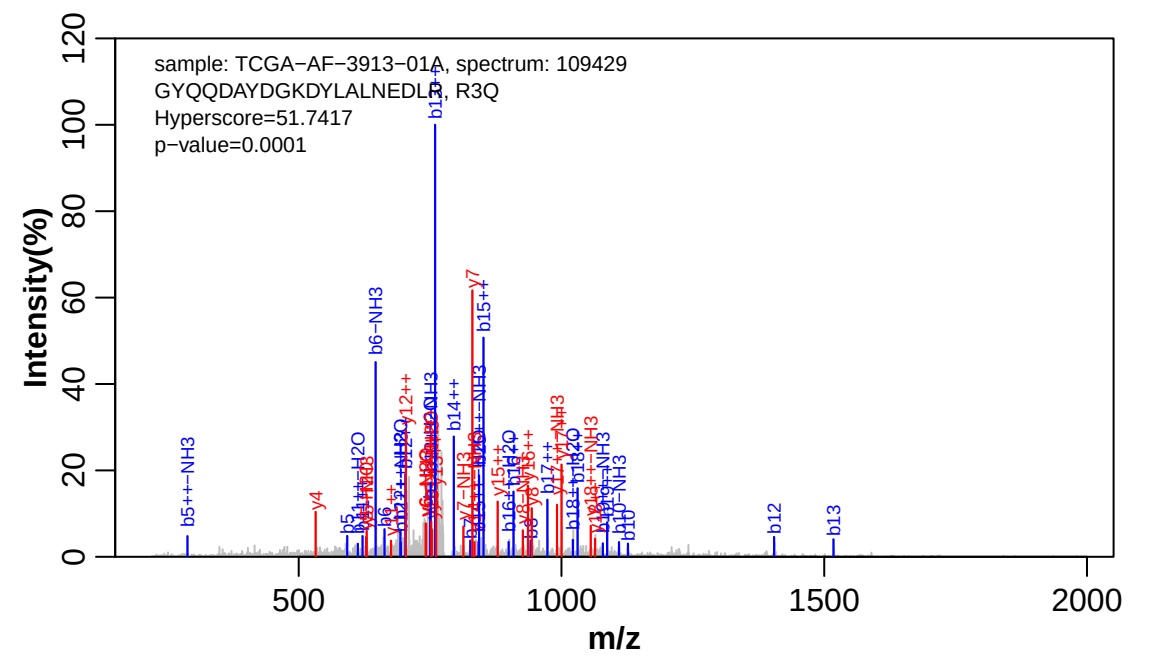

sample: TCGA−AF−3913−01A, spectrum: 6722
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=80.7799
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y6++
y3
y7++
y3++
b13−NH3
b13
y7
y8
y9
y10−NH3
y10
y11

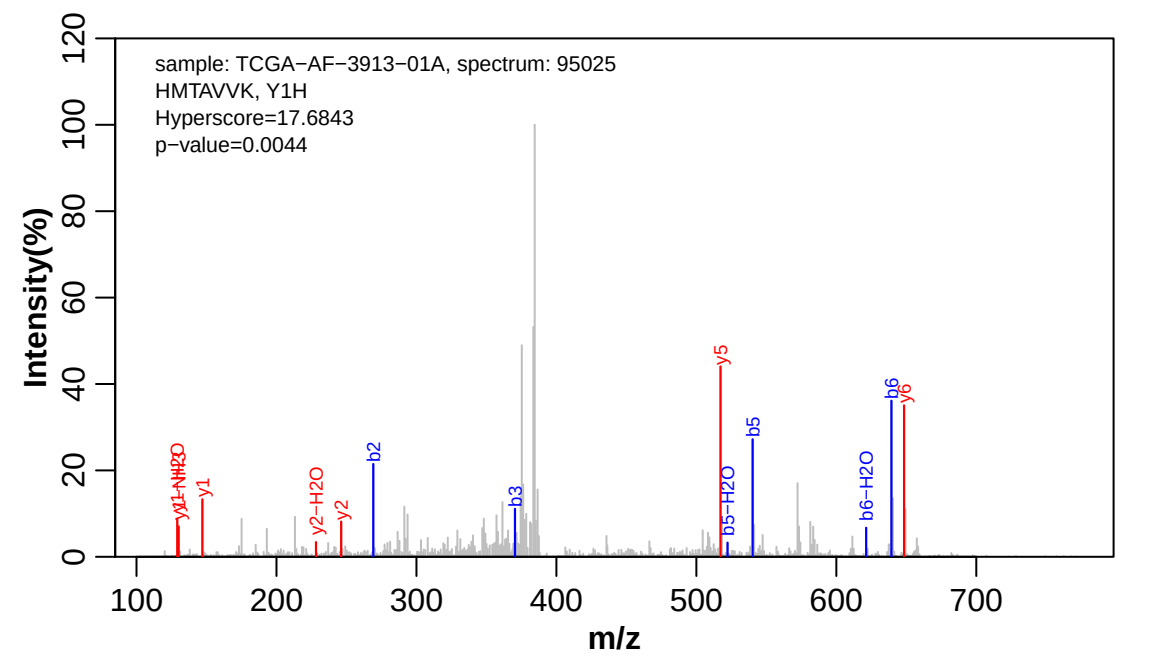

sample: TCGA−AF−3913−01A, spectrum: 6808
GLLDLLEER, V3I
Hyperscore=40.8493
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b5
y4
y6
y3
y7
b6
b7
y5
b8
y2
b4
y1
b2
b6−H2O
b7−H2O
y5−H2O
y6−H2O
b5−H2O
y2−H2O
b4−H2O
y3−H2O

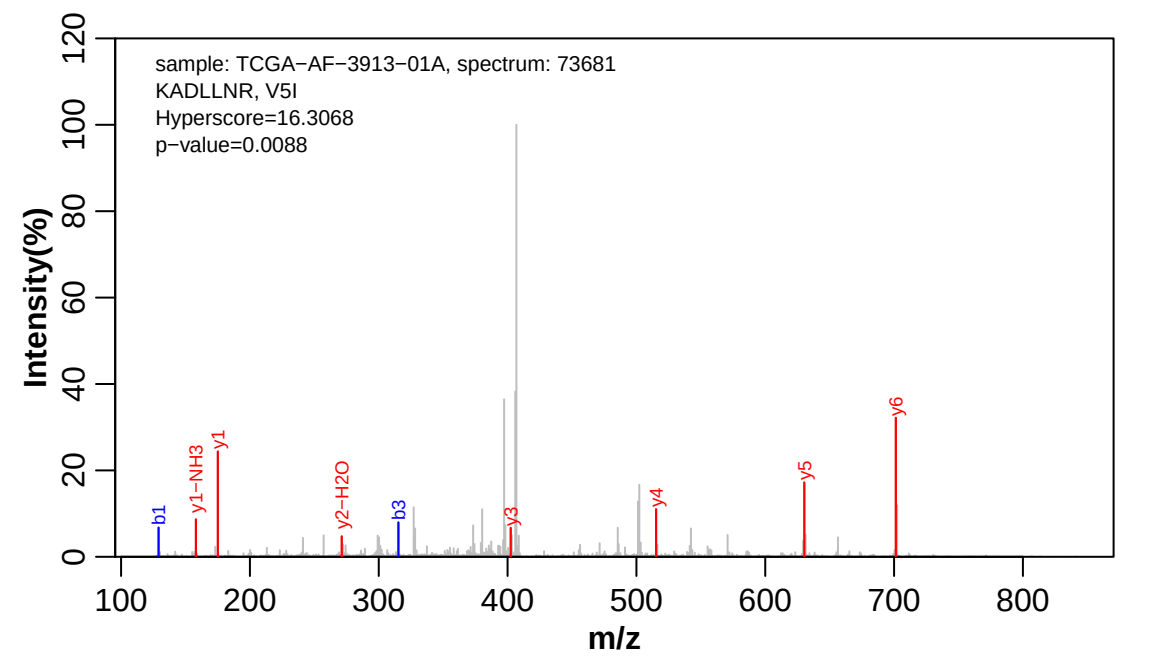

sample: TCGA−AF−3913−01A, spectrum: 57569
GLLSSLDHNSLR, T9N
Hyperscore=36.4121
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b4
y4
b5−NH3
y4−H2O
b6−NH3
b6−H2O
b6
y5
b7
y6
b8−NH3
b8−H2O
b8
y7−NH3
y7
y8−NH3
y8
y8
y9−H2O
y9
b11−H2O
y10
b11

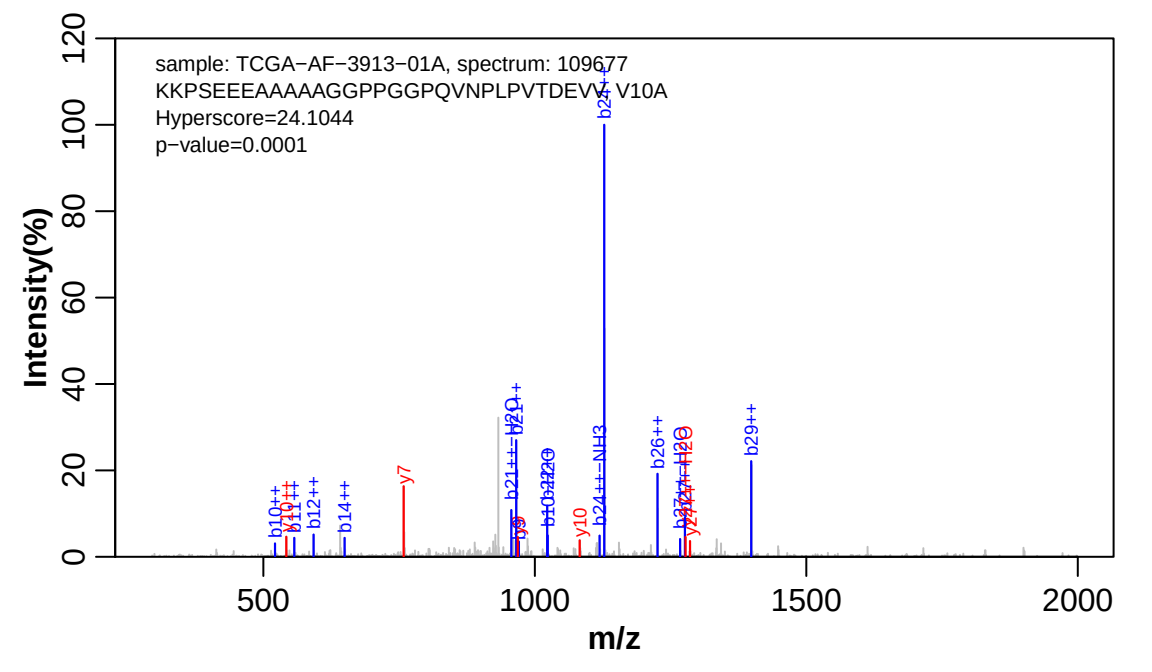

sample: TCGA−AF−3913−01A, spectrum: 137702
GLLVDTSR, I4V
Hyperscore=23.7679
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b2
y1
y2−NH3
b3
y3−NH3
y3
b4
y4
b5
y5
b6
y6

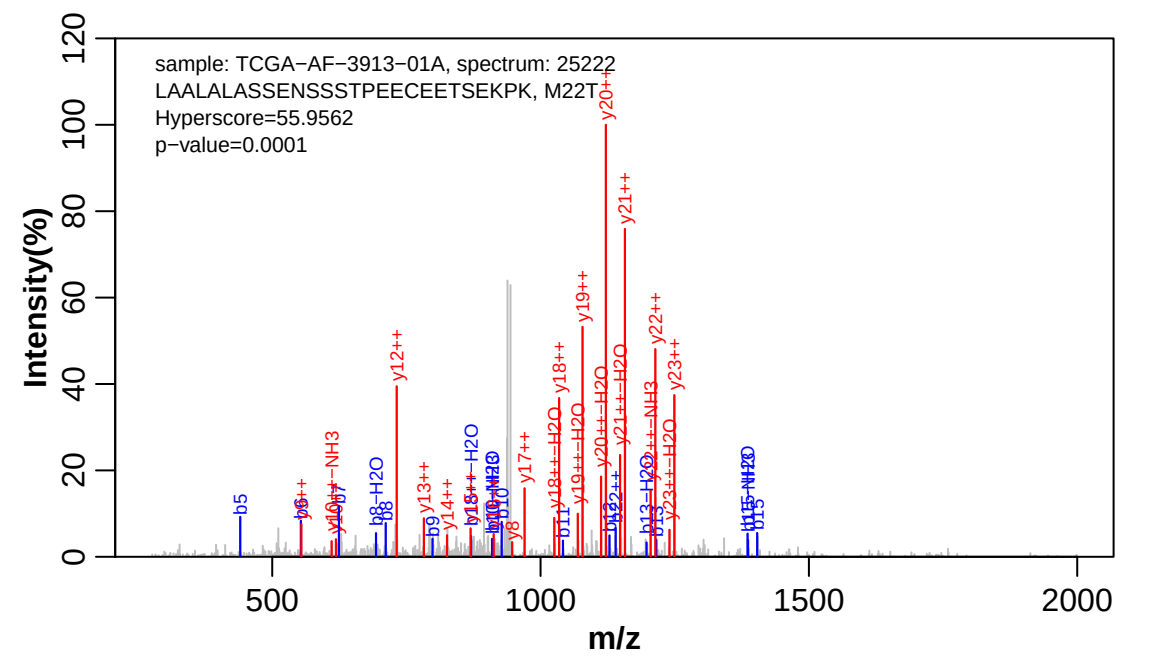

sample: TCGA−AF−3913−01A, spectrum: 48344
GQTGALLQNTVESLSK, D9N
Hyperscore=51.1234
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
y4
y5
y6
b14−H2O
b11−NH3
b10−NH3

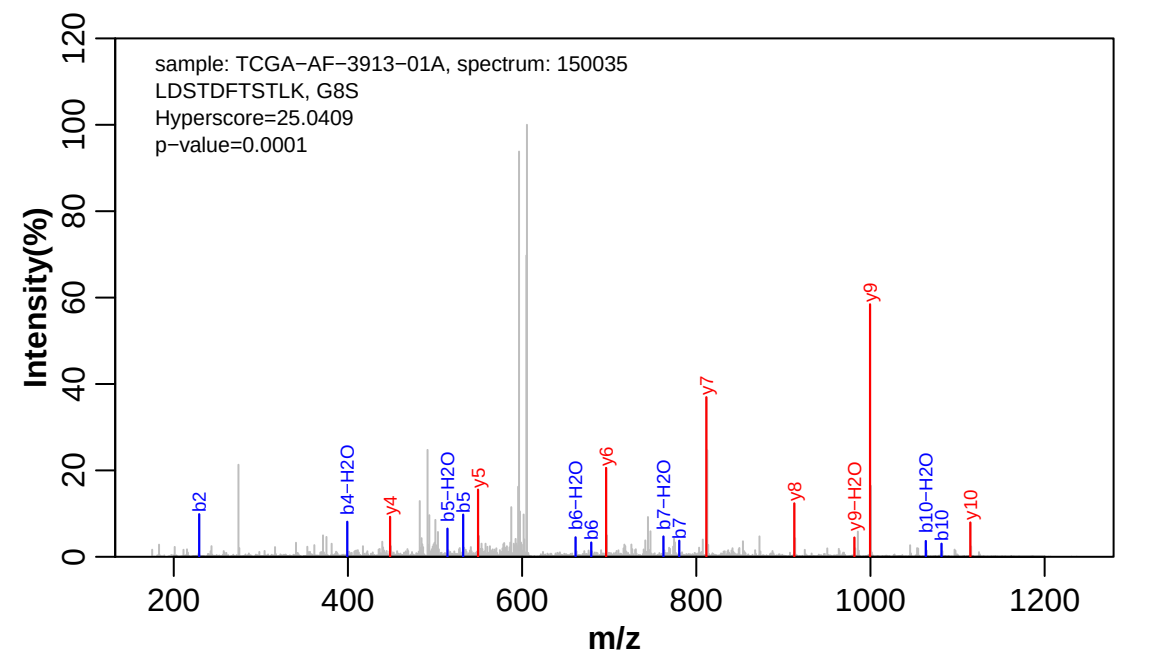

sample: TCGA−AF−3913−01A, spectrum: 109429
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=51.7417
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5++−NH3
y4
b6−NH3
b12++
b14++
y7
b15++
b12
b13

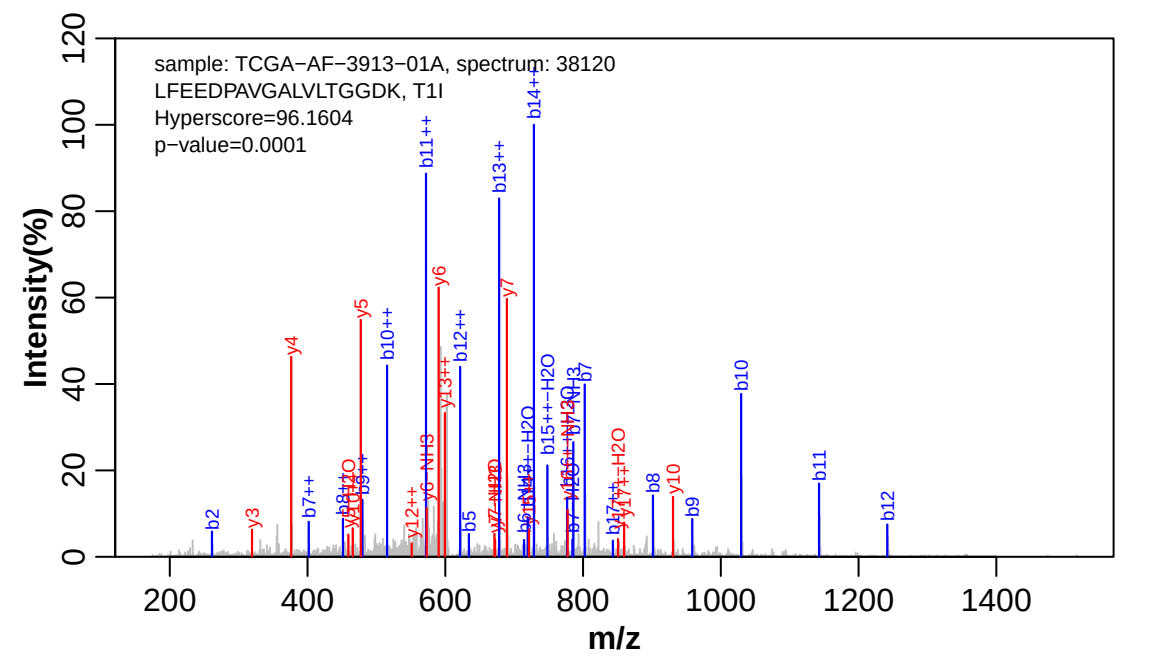

sample: TCGA−AF−3913−01A, spectrum: 95025
HMTAVVK, Y1H
Hyperscore=17.6843
p−value=0.0044
Intensity(%)
m/z
y1−NH3
y1
y2−H2O
y2
b2
b3
y5
b5−H2O
b5
b6−H2O
b6
y6

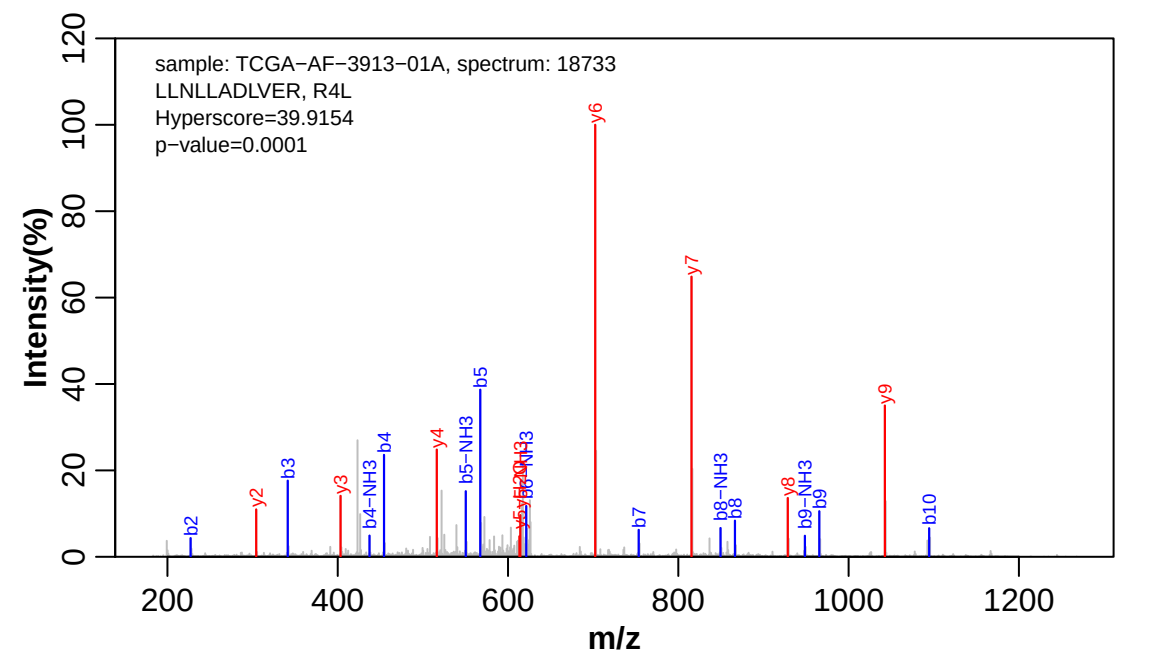

sample: TCGA−AF−3913−01A, spectrum: 73681
KADLLNR, V5I
Hyperscore=16.3068
p−value=0.0088
Intensity(%)
m/z
b1
y1−NH3
y1
y2−H2O
b3
y3
y4
y5
y6

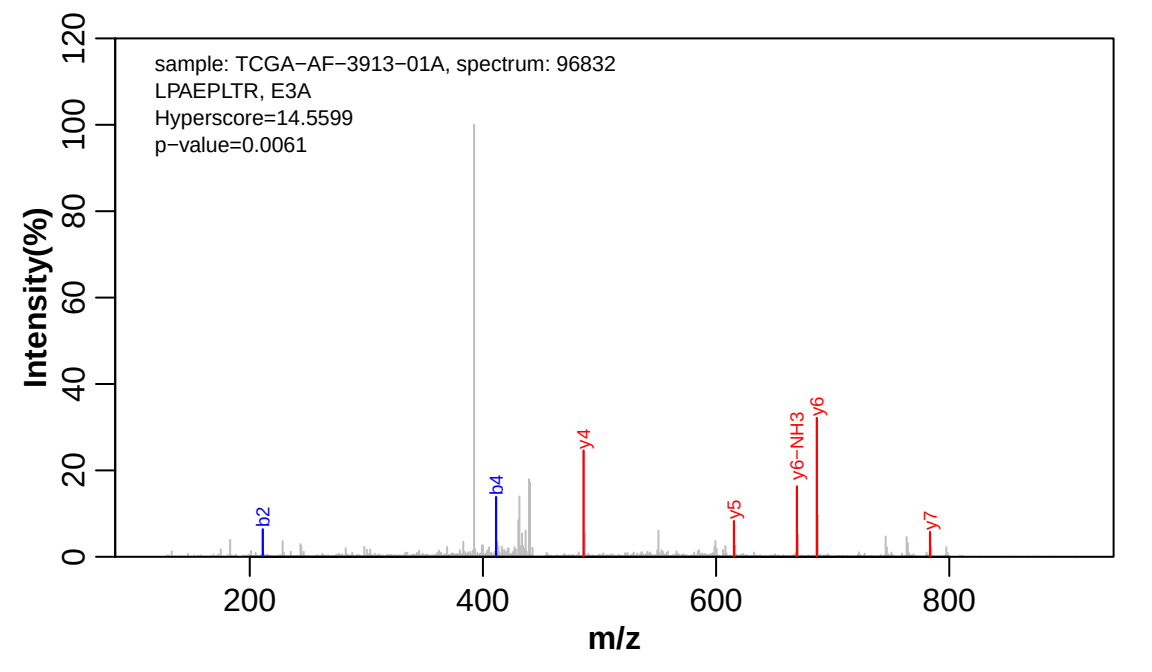

sample: TCGA−AF−3913−01A, spectrum: 109677
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV-V10A
Hyperscore=24.1044
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b10++
y11++
b11++
b12++
b14++
y7
b21++-H2O
b21++
y9
b24++-NH3
y10
b26++
b29++

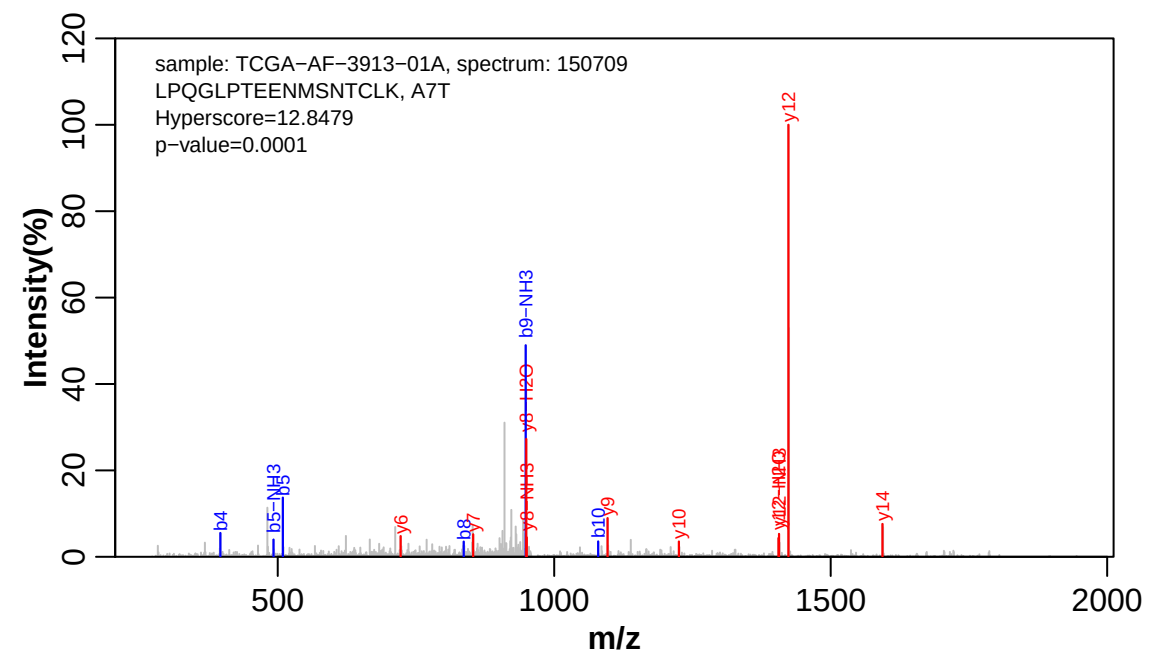

sample: TCGA−AF−3913−01A, spectrum: 25222
LAALALASSENSSSTPEECEETSEKPK, M22T
Hyperscore=55.9562
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5
y6++
y10++−NH3
y9++
b8−H2O
b8
y12++
b9
y13++
y14++
b18++−H2O
b10
b10−NH3
y8
y17++
y18++−H2O
y18++
b11
y19++−H2O
y19++
y20++−H2O
b12++
y20++
y21++−H2O
y21++
b13−H2O
b13
y22++−NH3
y22++
y23++−H2O
y23++
b15−H2O
b15

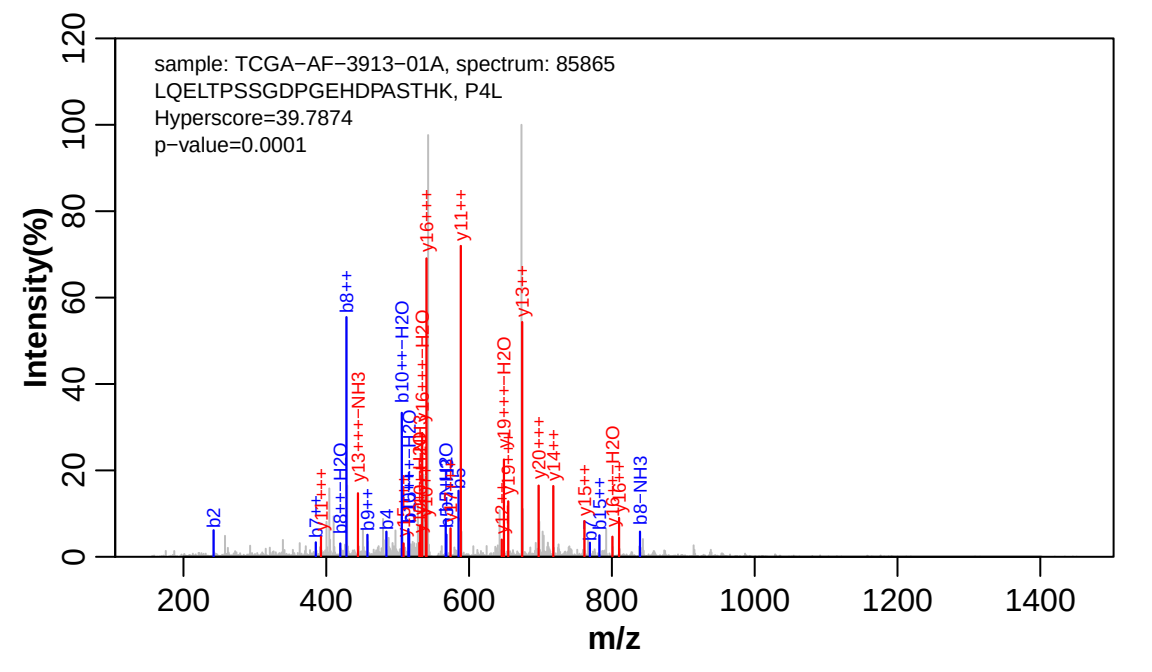

sample: TCGA−AF−3913−01A, spectrum: 150035
LDSTDFTSTLK, G8S
Hyperscore=25.0409
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9−H2O
y9
b10−H2O
b10
y10

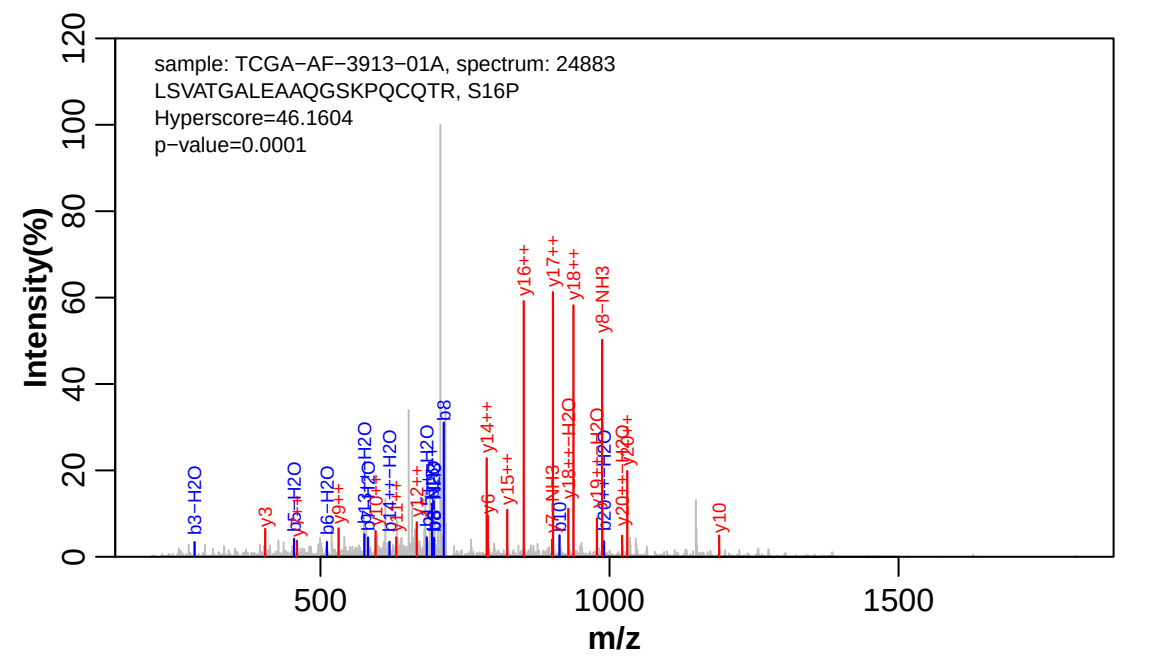

sample: TCGA−AF−3913−01A, spectrum: 38120
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=96.1604
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
b8−H2O
y8−H2O
y8
b9++
y5
b10++
y12++
y6−NH3
y6
y13++
b12++
b5
y6
b11++
y7−NH3
y7−H2O
y7
b13++
b6−NH3
b15++−H2O
b14++
b15++
b7−H2O
b7−NH3
b7
y17++−H2O
y17++
b17++
b8
y10
b9
b10
b11
b12

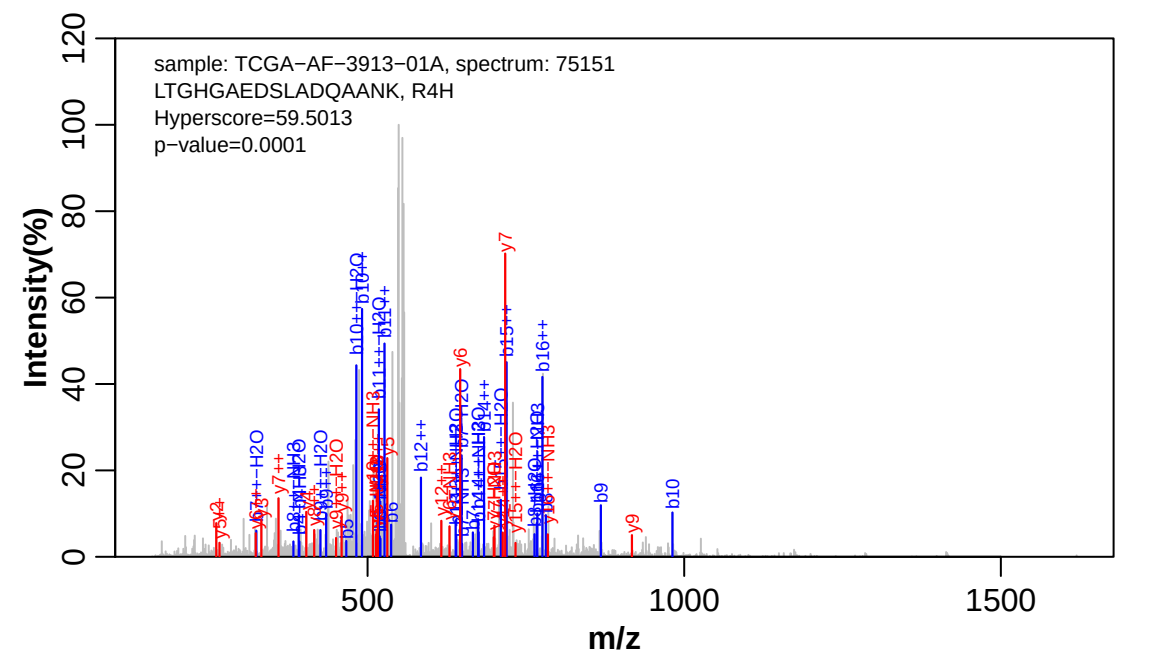

sample: TCGA−AF−3913−01A, spectrum: 18733
LLNLLADLVER, R4L
Hyperscore=39.9154
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y4
y3
y2
y8
b5
b5−NH3
b4
b4−NH3
b3
b2
b7
b8−NH3
b8
b9−NH3
b9
b10

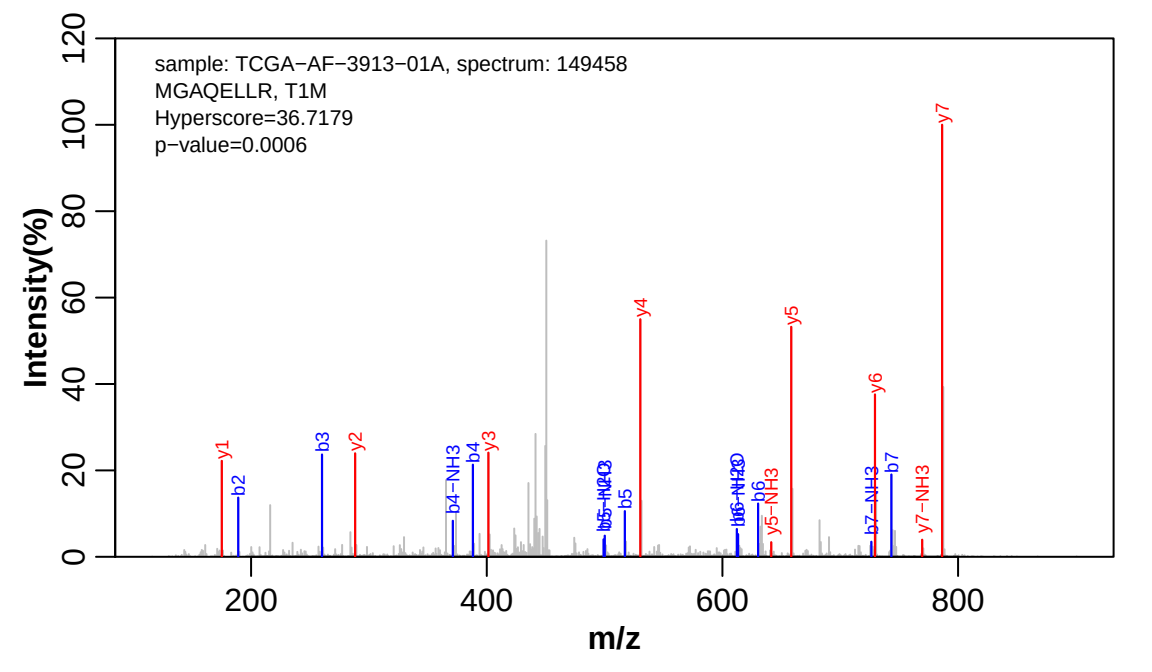

sample: TCGA−AF−3913−01A, spectrum: 96832
LPAEPLTR, E3A
Hyperscore=14.5599
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b4
y4
y5
y6−NH3
y6
y7

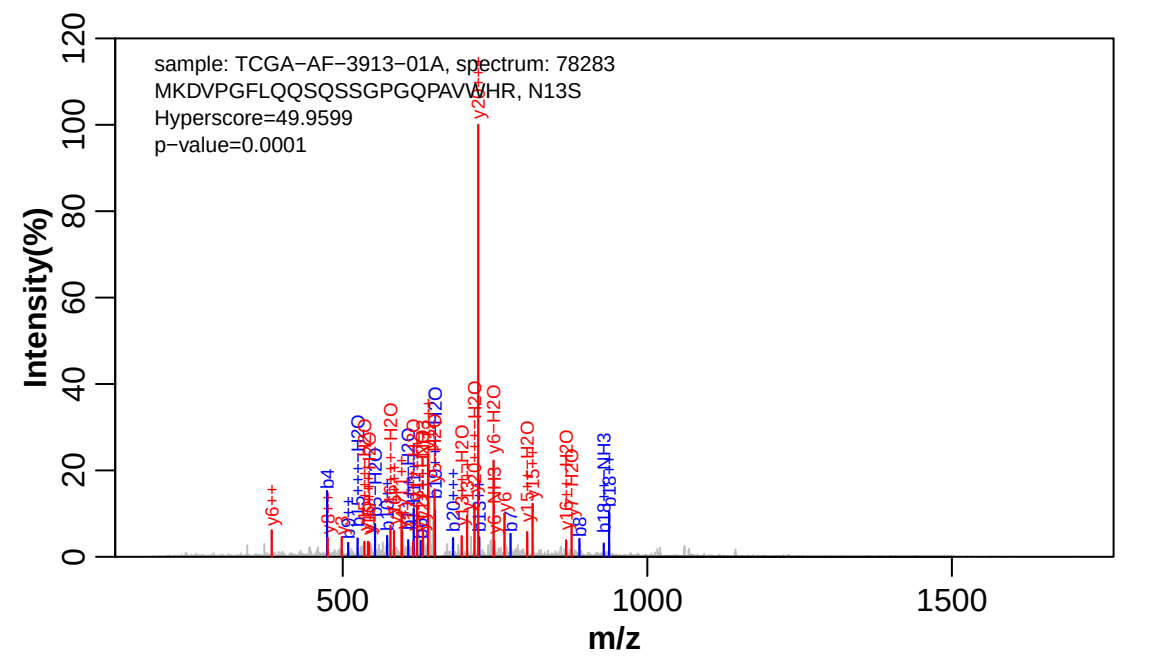

sample: TCGA−AF−3913−01A, spectrum: 150709
LPQGLPTEENMSNTCLK, A7T
Hyperscore=12.8479
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b4
b5−NH3
b5
y6
b8
y7
b9−NH3
y8−H2O
y8−NH3
b10
y9
y10
y12
y12−H2O
y12−NH3
y14

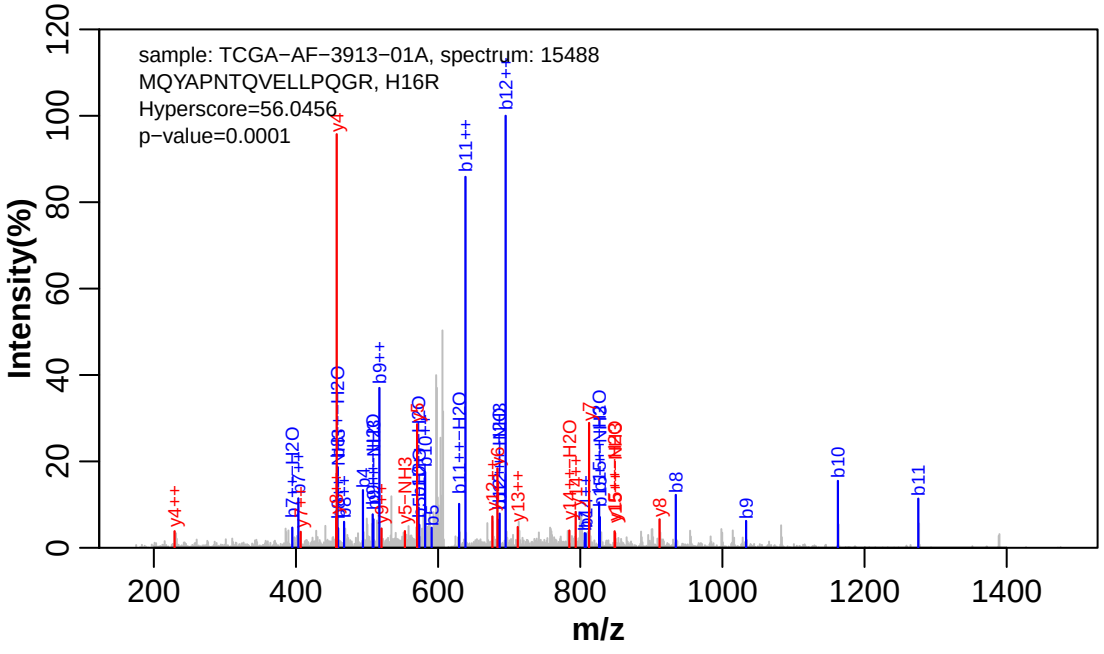

sample: TCGA−AF−3913−01A, spectrum: 85865
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=39.7874
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b7++
y11++
b8++−H2O
b8++−NH3
y13+++−NH3
b8++
b9++
b4
b10+++−H2O
y16+++
y11++
y13++
y12++
y19++
y19+++−H2O
y20+++
y14++
b7
y15++
b15++
y16++−H2O
b8−NH3

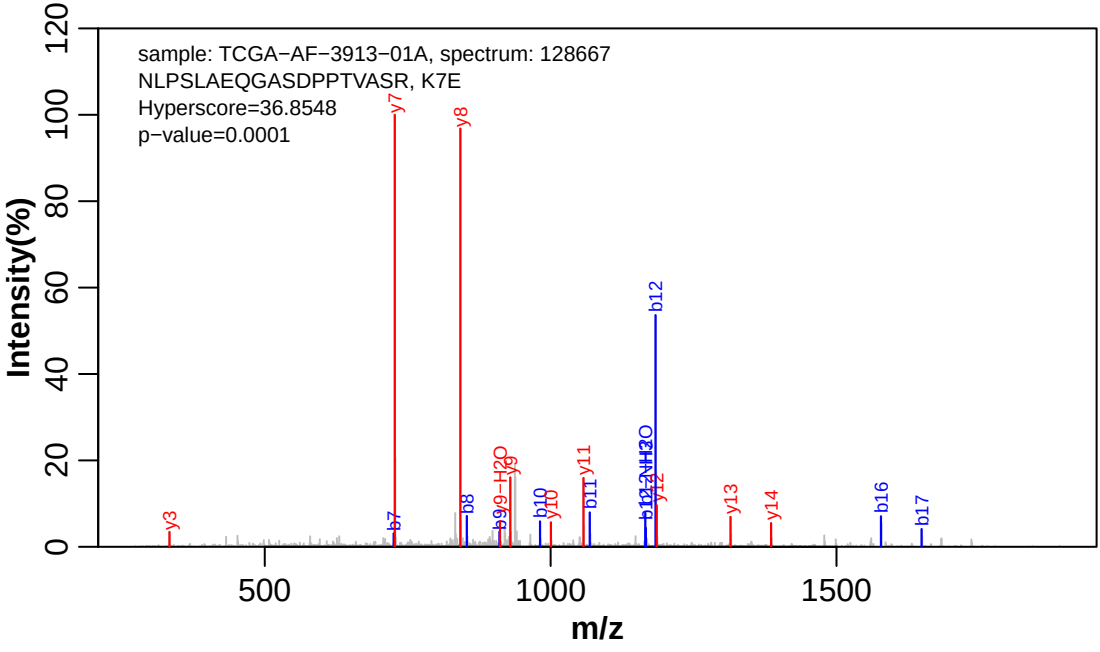

sample: TCGA−AF−3913−01A, spectrum: 24883
LSVATGALEAAQGSKPQCQTR, S16P
Hyperscore=46.1604
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y3
y5−H2O
b6−H2O
y9++
b13−H2O
b7
b14−H2O
y11++−H2O
y12++
b8
y6
y14++
y15++
y16++
y17++
y18++
y8−NH3
y10

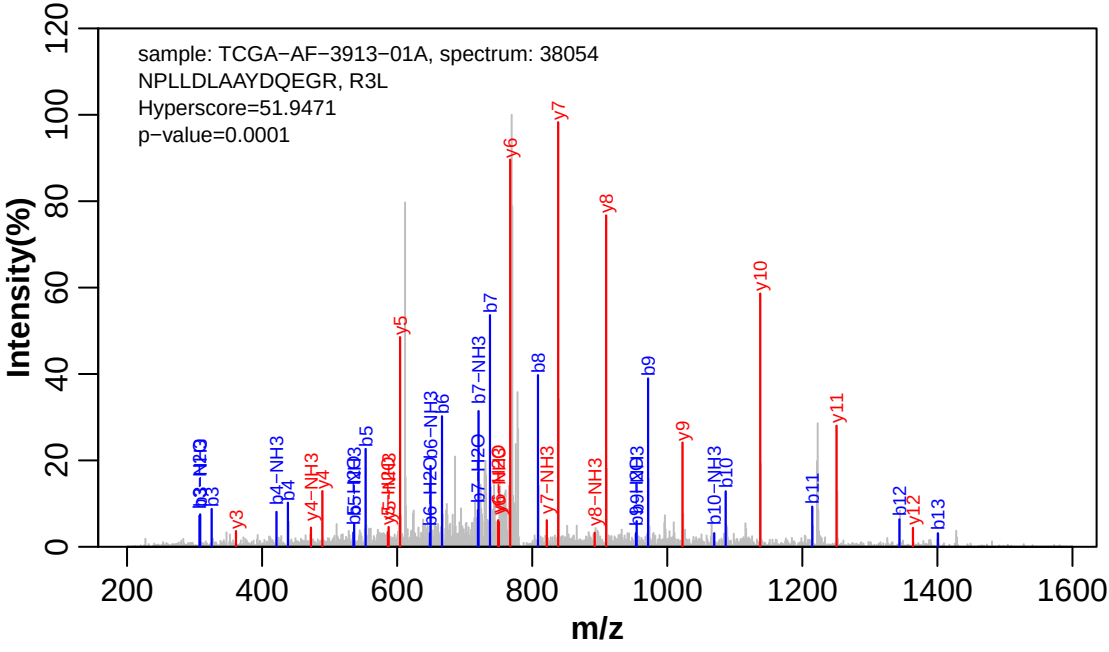

sample: TCGA−AF−3913−01A, spectrum: 75151
LTGHGAEDSLADQAANK, R4H
Hyperscore=59.5013
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b12++
b9
y9
b10
y7
b15++
b16++
y6

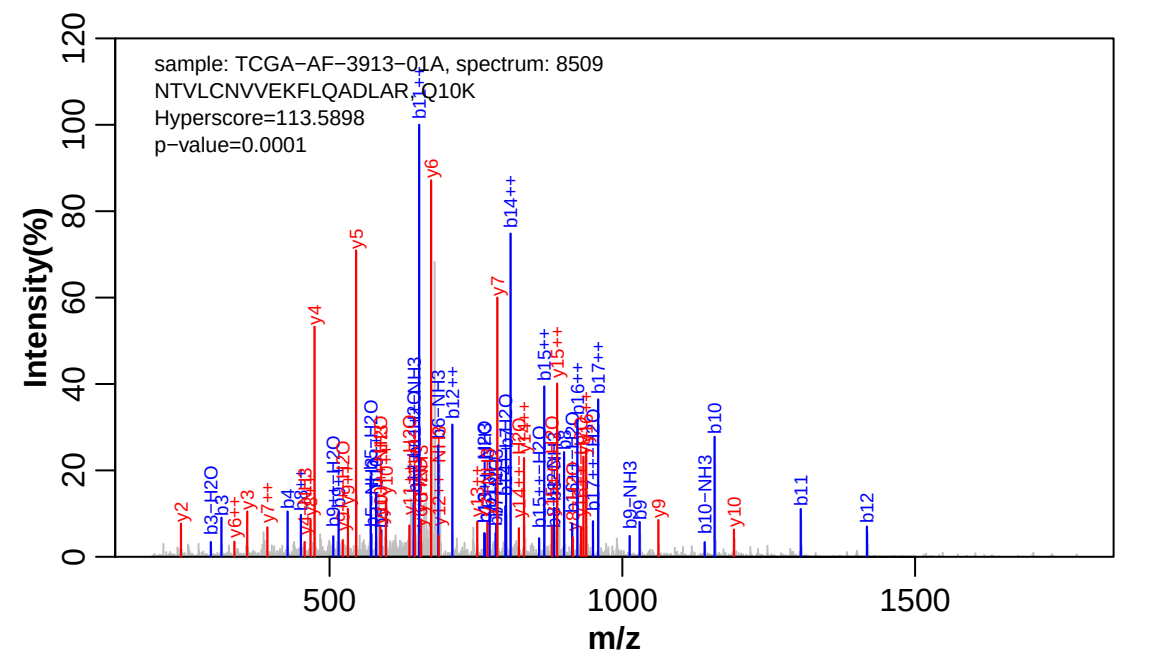

sample: TCGA−AF−3913−01A, spectrum: 149458
MGAQELLR, T1M
Hyperscore=36.7179
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2
b3
y2
b4−NH3
b4
y3
b5
y4
y5
b6
y5−NH3
y6
b7−NH3
b7
y7−NH3
y7

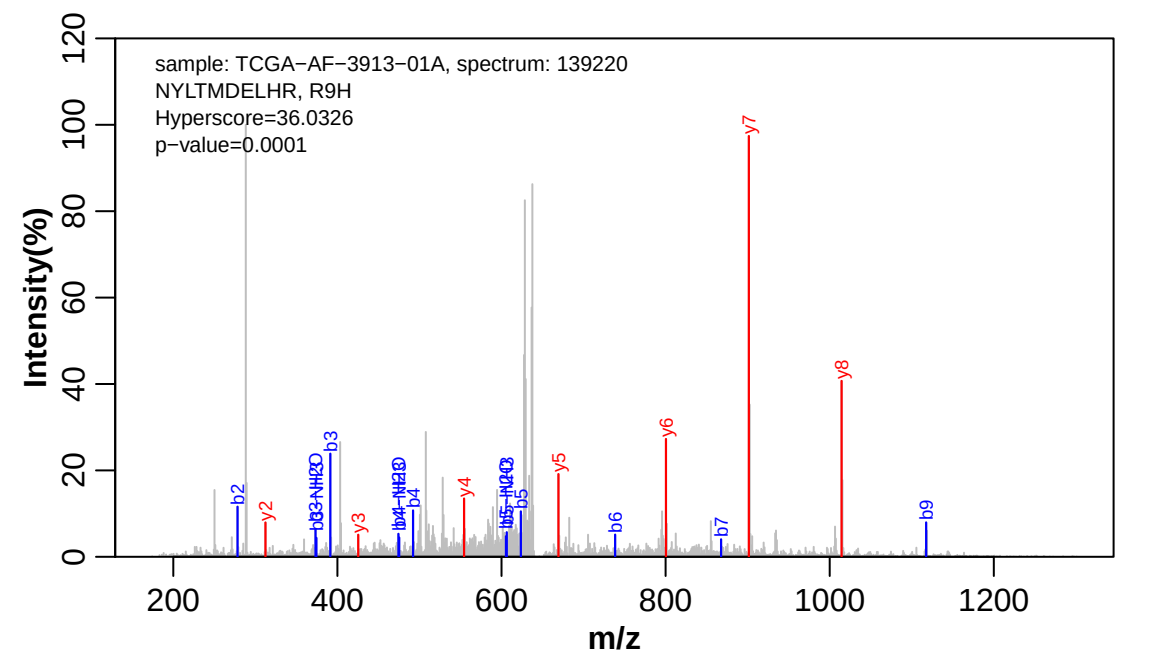

sample: TCGA−AF−3913−01A, spectrum: 78283
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=49.9599
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2++
y6++
b4
y8++
y6+
b15+++H2O
b15+++NH3
b15+++
b10++
b10++−H2O
b20++
b20++−H2O
y15+++
y15+++−H2O
y6−NH3
y6−H2O
b7
y15++
y15++−H2O
y16+++H2O
b8
b18+−NH3

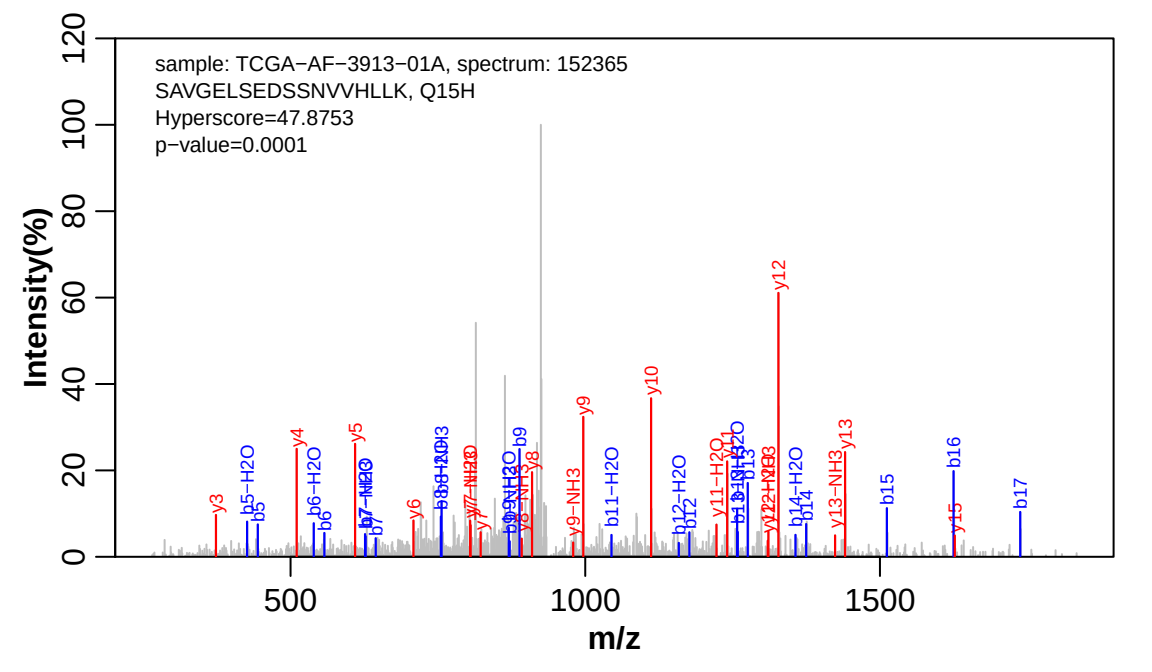

sample: TCGA−AF−3913−01A, spectrum: 15488
MQYAPNTQVELLPQGR, H16R
Hyperscore=56.0456
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4++
y4
b12++
b11++
b9++
b11++−H2O
y13++
b10
b11
b8
b9
y8

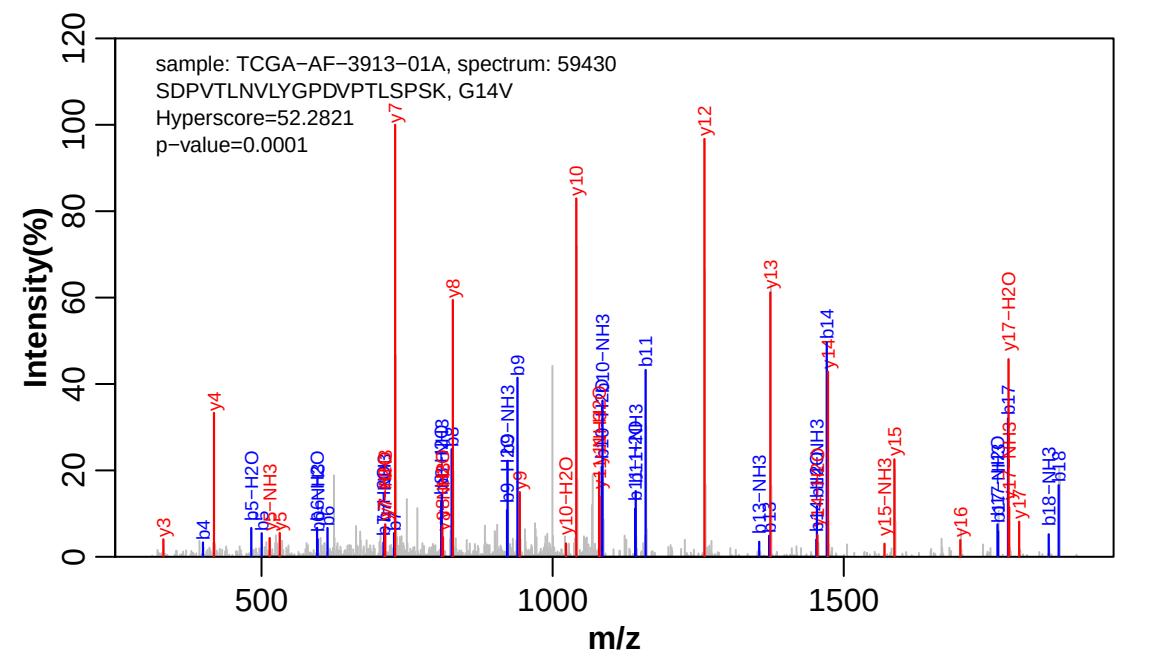

sample: TCGA−AF−3913−01A, spectrum: 128667
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=36.8548
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b7
y7
y8
b8
b9−H2O
y9
b10
y10
y11
b11
b12
y12
y13
y14
b16
b17

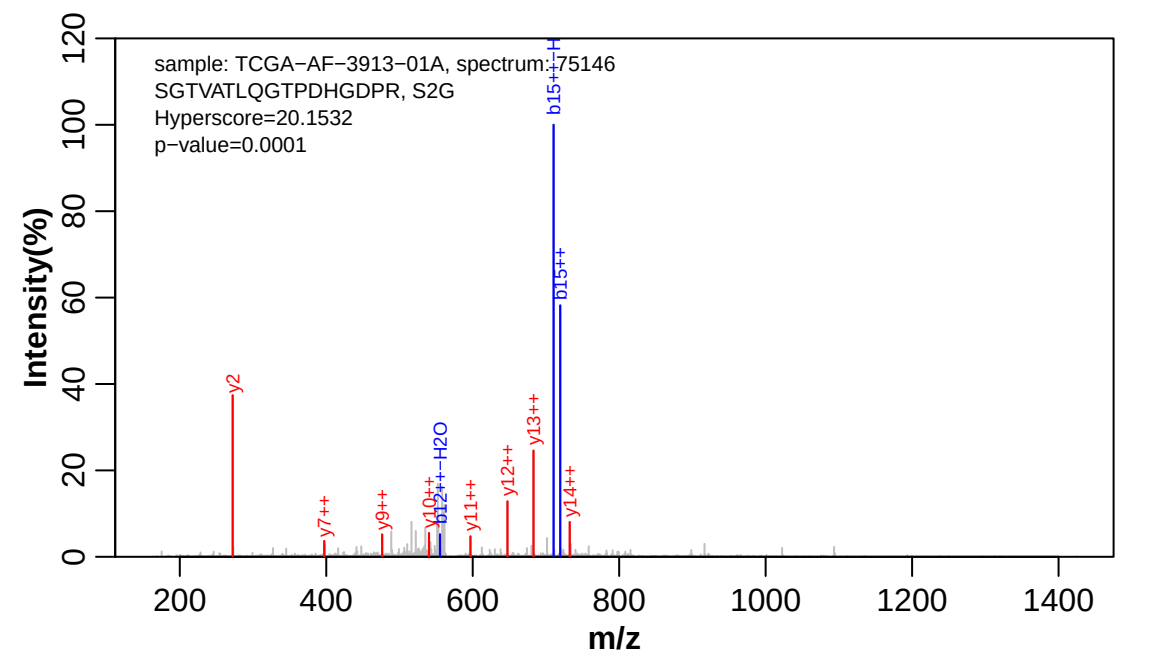

sample: TCGA−AF−3913−01A, spectrum: 38054
NPLLDLAAYDQEGR, R3L
Hyperscore=51.9471
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y6
y8
y10
y5
b7
b8
b9
y9
y11
b6
b5
b4−NH3
y4−NH3
y3
b3
b11
b12
y12
b13
b10−NH3
y8−NH3
y7−NH3
b7−NH3
b6−NH3

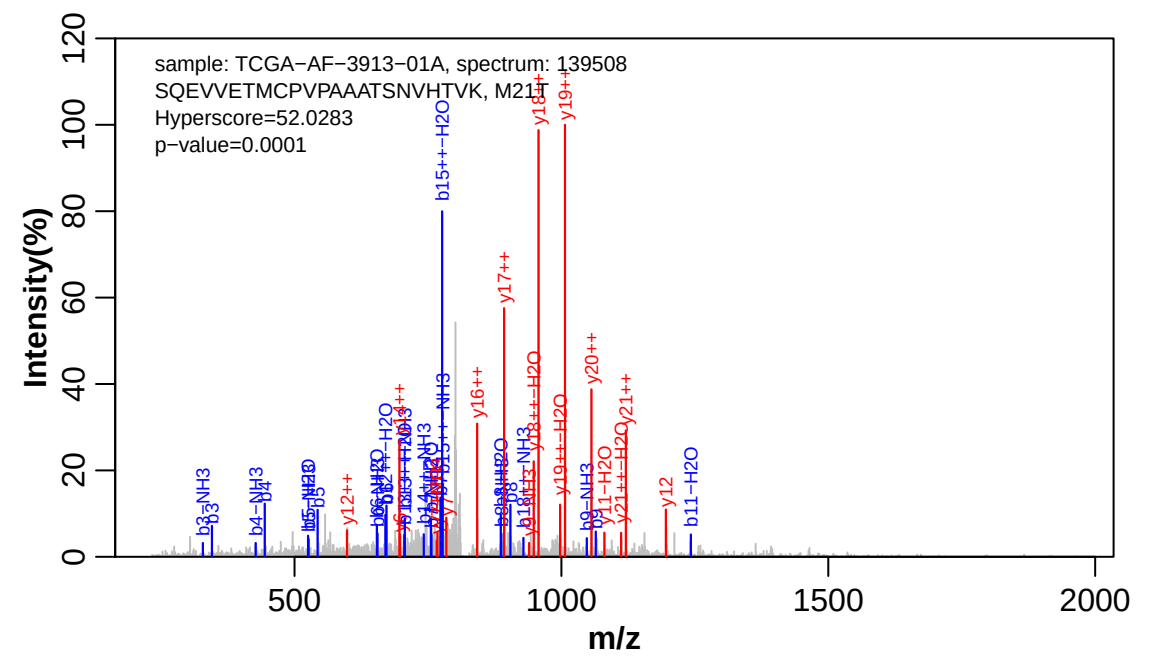

sample: TCGA−AF−3913−01A, spectrum: 8509
NTVLCNVVEKFLQADLAR, Q10K
Hyperscore=113.5898
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b3−H2O
b3
y6++
y3
y7++
b4
y4
y5
y6
b11++
b14++
y7
b12++
b15++
y15++
b17++
b8−NH3
y9
b10−NH3
b10
y10
b11
b12

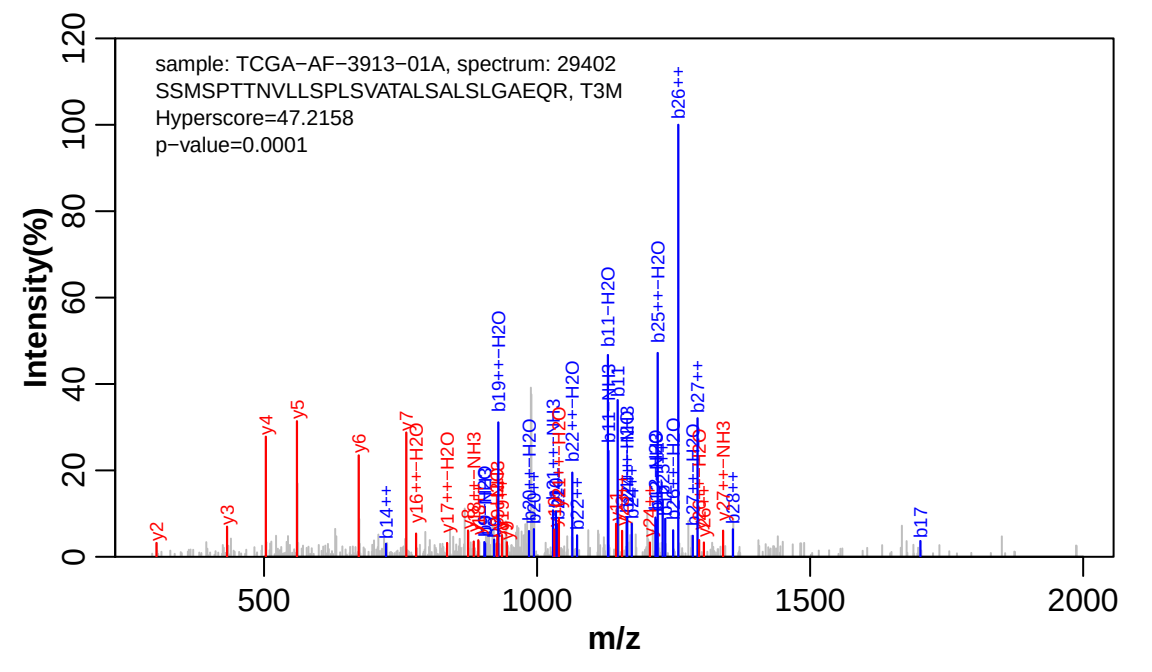

sample: TCGA−AF−3913−01A, spectrum: 139220
NYLTMDELHR, R9H
Hyperscore=36.0326
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4
y4
y5
b5
b6
y6
b7
y7
y8
b9

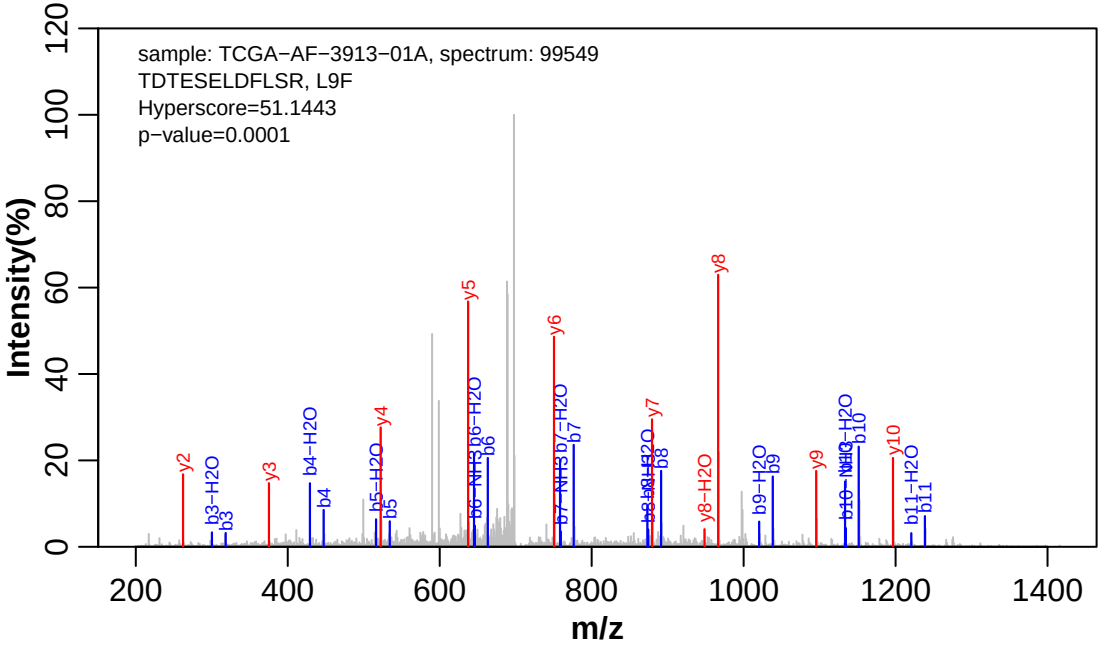

sample: TCGA−AF−3913−01A, spectrum: 152365
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=47.8753
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
y6
y7−NH3
y8
b9
y9−NH3
y9
b11−H2O
y10
b12−H2O
b12
y11−H2O
y12
b14−H2O
b14
y13−NH3
y13
b15
y15
b16
b17

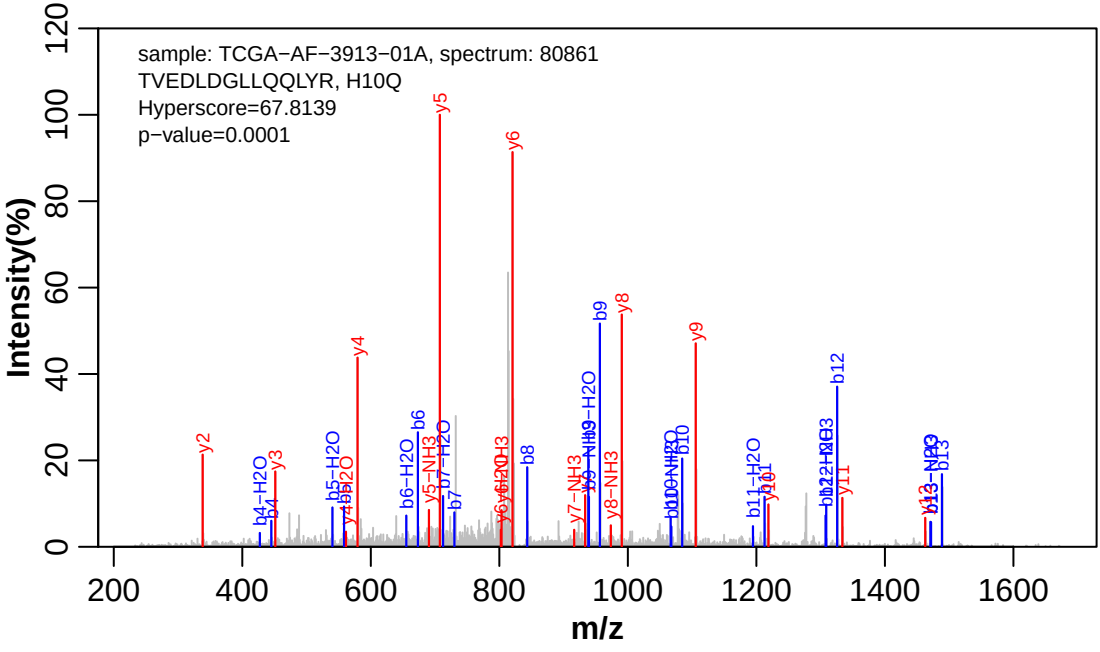

sample: TCGA−AF−3913−01A, spectrum: 59430
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=52.2821
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b4
y4
b5−H2O
b5−NH3
y5
b6
y7
y8
b9
y9
y10−H2O
y10
y10−NH3
b11
y12
y13
b13−NH3
b14
y14
y15
y15−NH3
y16
y17−H2O
b17
b18−NH3
b18

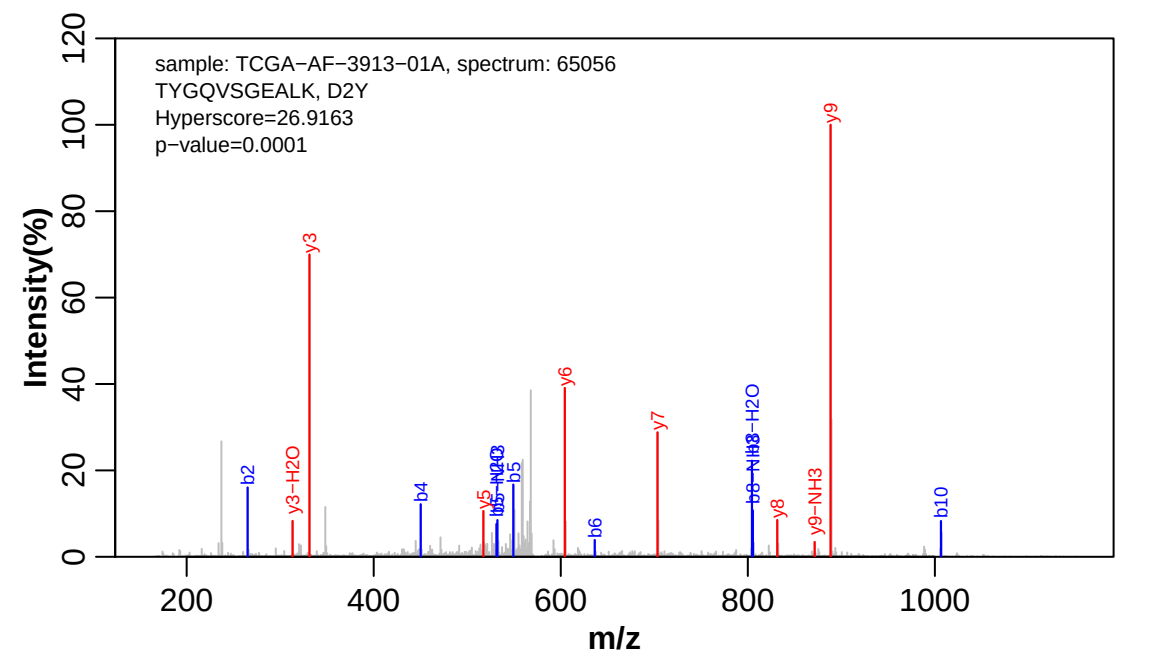

sample: TCGA−AF−3913−01A, spectrum: 75146
SGTVATLQGTPDHGDPR, S2G
Hyperscore=20.1532
p−value=0.0001
Intensity(%)
m/z
y2
y7++
y9++
y10++
b12++−H2O
y11++
y12++
y13++
y14++
b15++
b15++−H2O

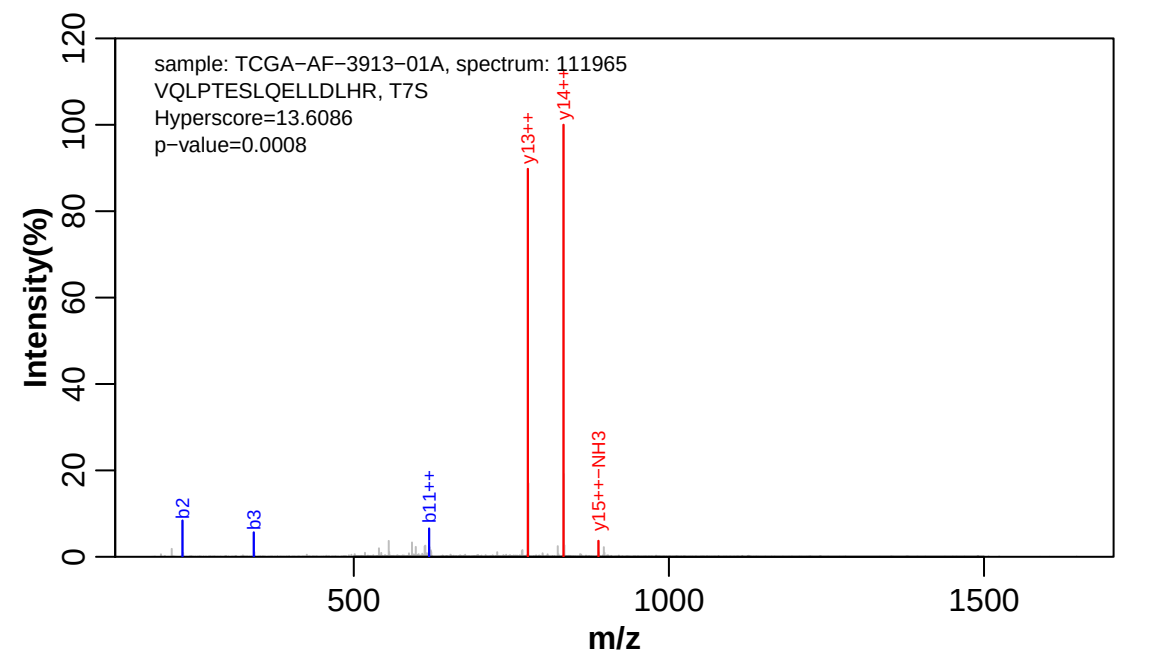

sample: TCGA−AF−3913−01A, spectrum: 139508
SQEVVETMCPVPAAATSNVHTVK, M21+
Hyperscore=52.0283
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b15++−H2O
y18++
y19++
y17++
y16++
y20++
y21++
y12++
y12
b11−H2O
b4−NH3
b3−NH3
y21++−H2O
y11−H2O
b9−NH3

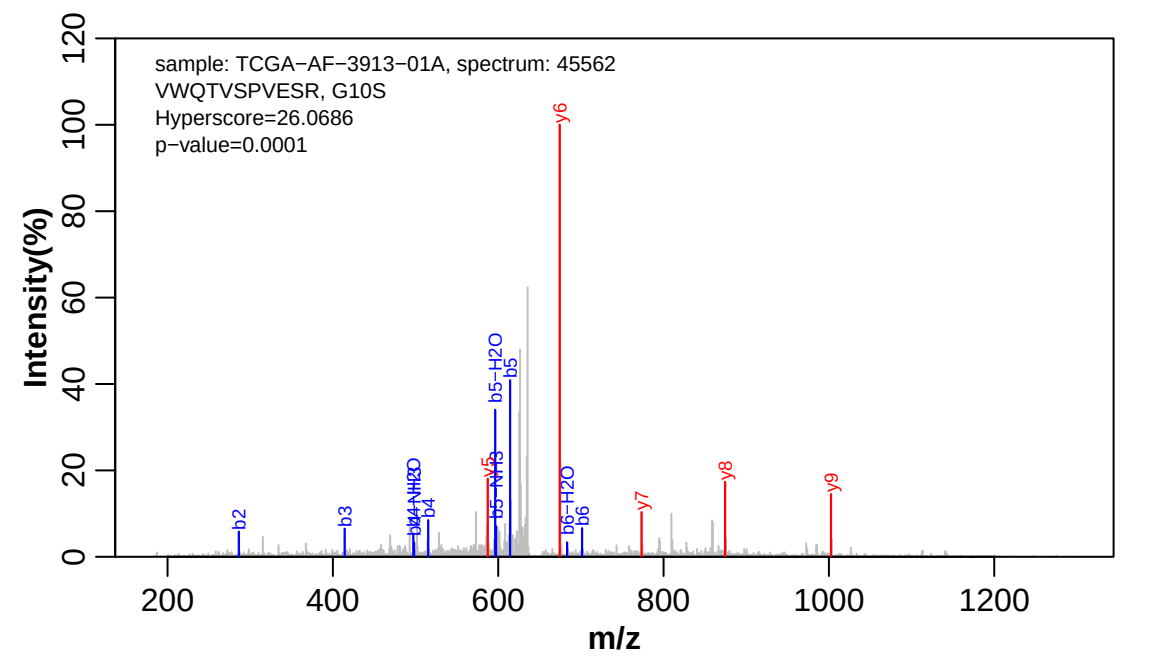

sample: TCGA−AF−3913−01A, spectrum: 29402
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=47.2158
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y4
y5
y6
y7
b14++
y16++−H2O
y17++−H2O
b19++−H2O
b20++−H2O
b22++−H2O
b11−H2O
b11−NH3
b11
b25++−H2O
b26++
b27++
b27++−H2O
y27++−NH3
b28++
b17

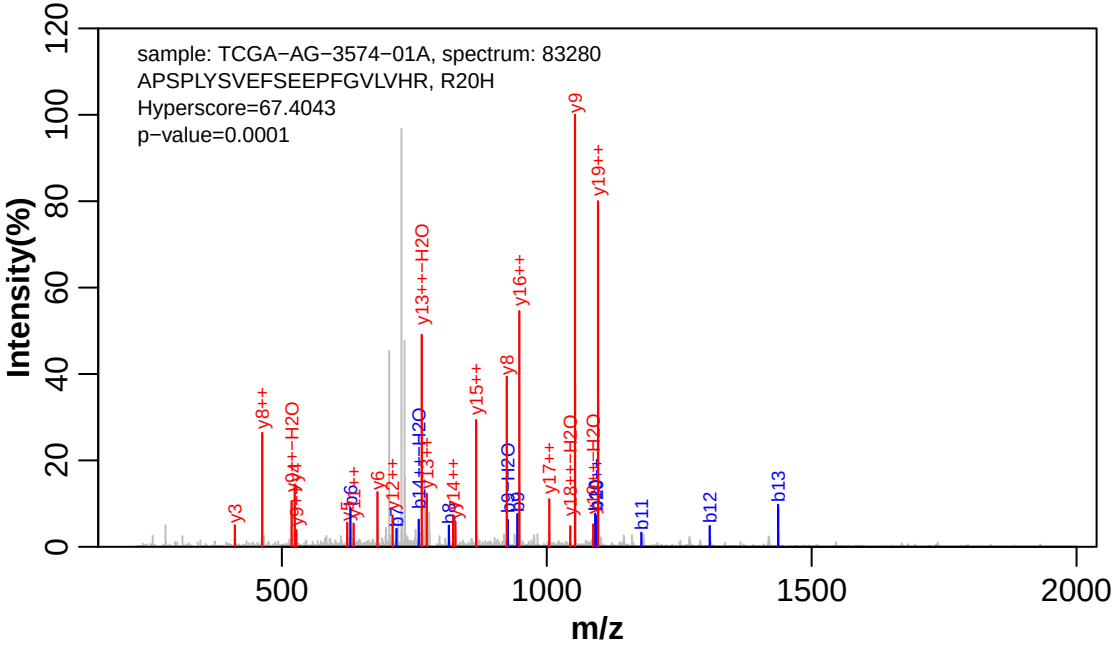

sample: TCGA−AF−3913−01A, spectrum: 99549
TDTESELDFLSR, L9F
Hyperscore=51.1443
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
b8−NH3
b8−H2O
y7
b8
y8−H2O
y8
b9−H2O
b9
y9
b10−NH3
b10−H2O
b10
y10
b11−H2O
b11

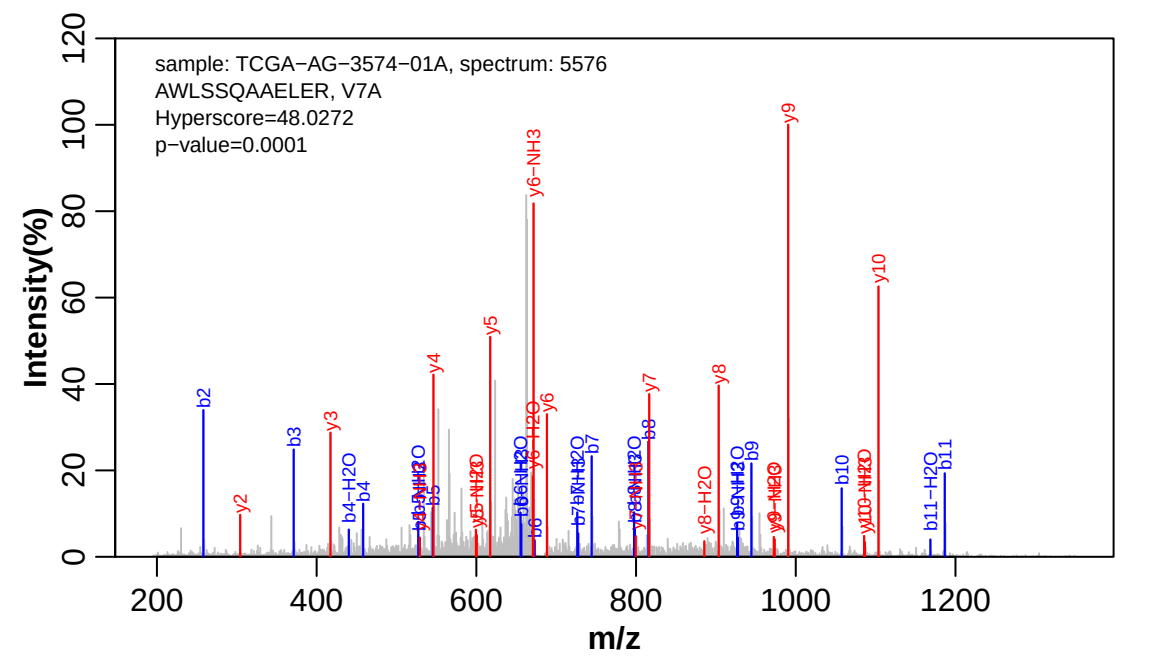

sample: TCGA−AF−3913−01A, spectrum: 80861
TVEDLDGLLQQLYR, H10Q
Hyperscore=67.8139
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4
y5
y6
y7−NH3
y8
y8−NH3
y9
y10
y11
b4−H2O
b4
b5−H2O
b6
b6−H2O
y5−NH3
b7
b7−H2O
b8
b9
b9−H2O
b10
b11−H2O
b12
b13

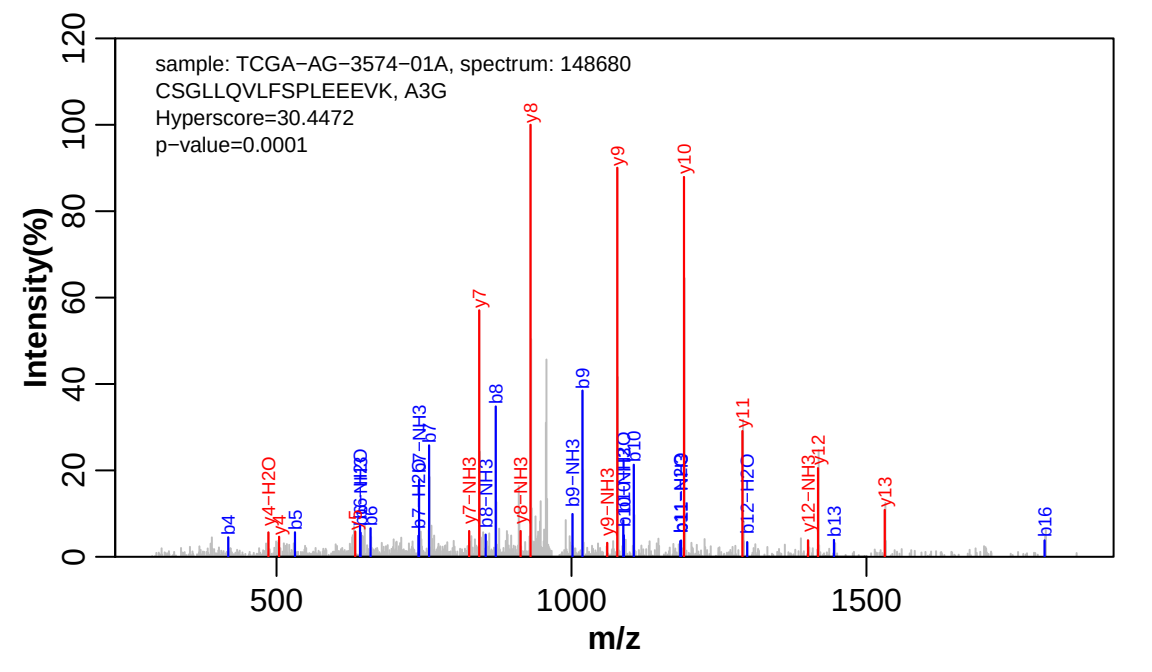

sample: TCGA−AF−3913−01A, spectrum: 65056
TYGQVSGEALK, D2Y
Hyperscore=26.9163
p−value=0.0001
Intensity(%)
m/z
y3
y9
y6
y7
b2
y3−H2O
b4
y5
b5
b6
b8−NH3−H2O
y8
y9−NH3
b10

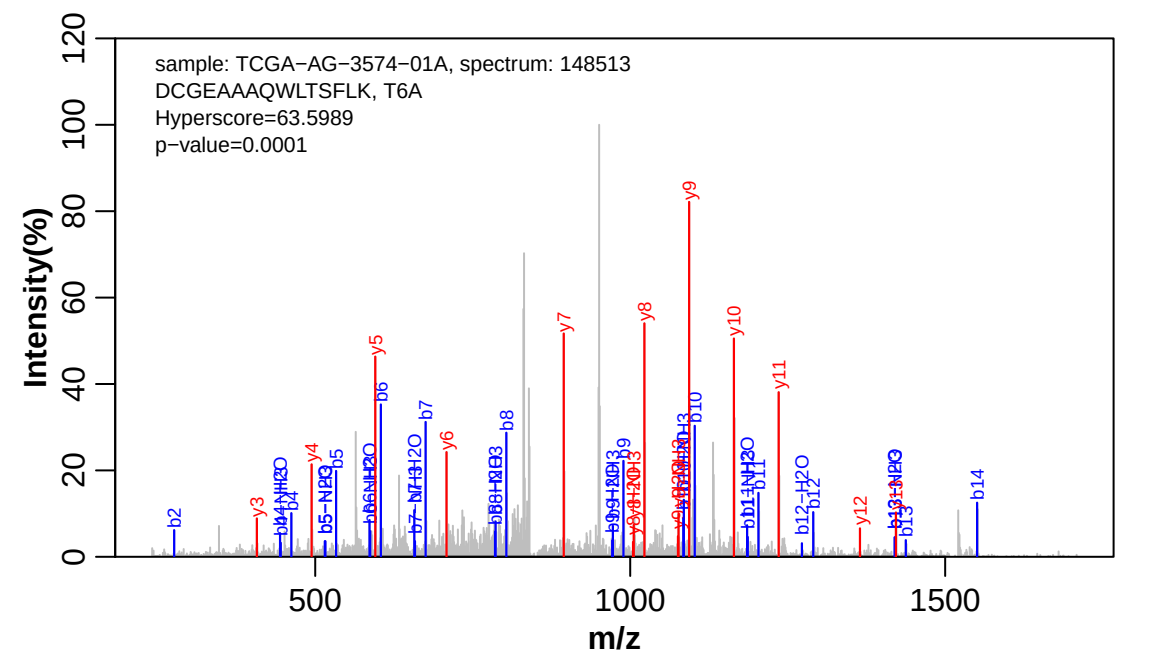

sample: TCGA−AF−3913−01A, spectrum: 111965
VQLPTESLQELLDLHR, T7S
Hyperscore=13.6086
p−value=0.0008
y13++
y14++
b2
b3
b11++
y15++−NH3
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

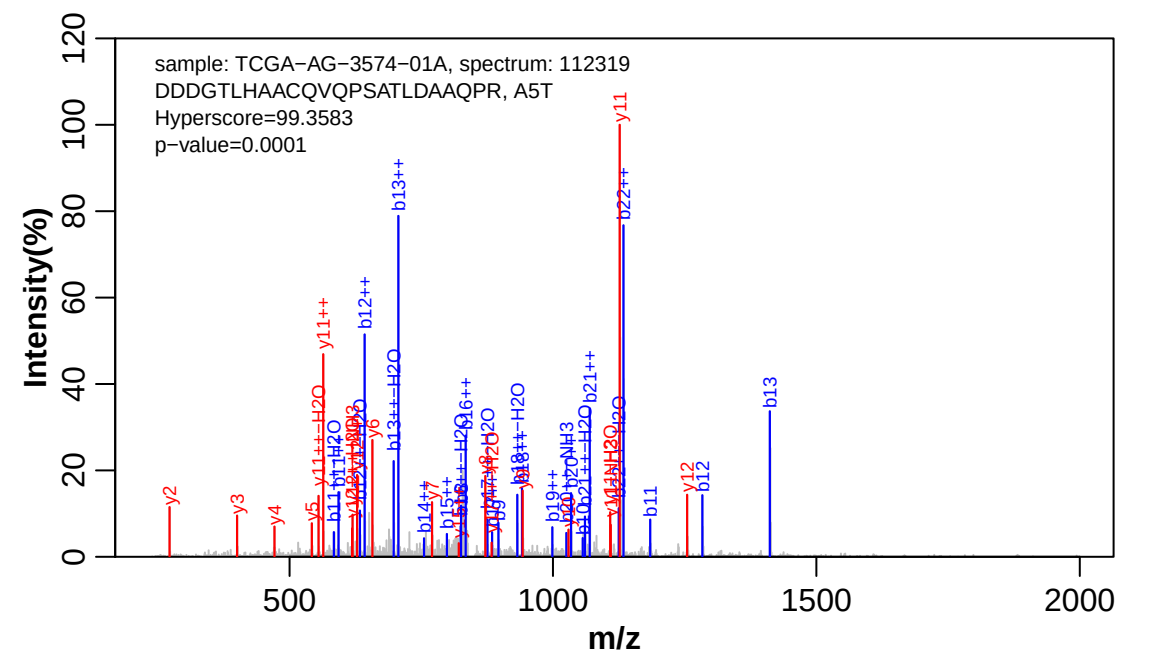

sample: TCGA−AF−3913−01A, spectrum: 45562
VWQTVSPVESR, G10S
Hyperscore=26.0686
p−value=0.0001
Intensity(%)
m/z
b2
b3
b4
b5
b5−H2O
b5−NH3
b6
b6−H2O
y5
y6
y7
y8
y9

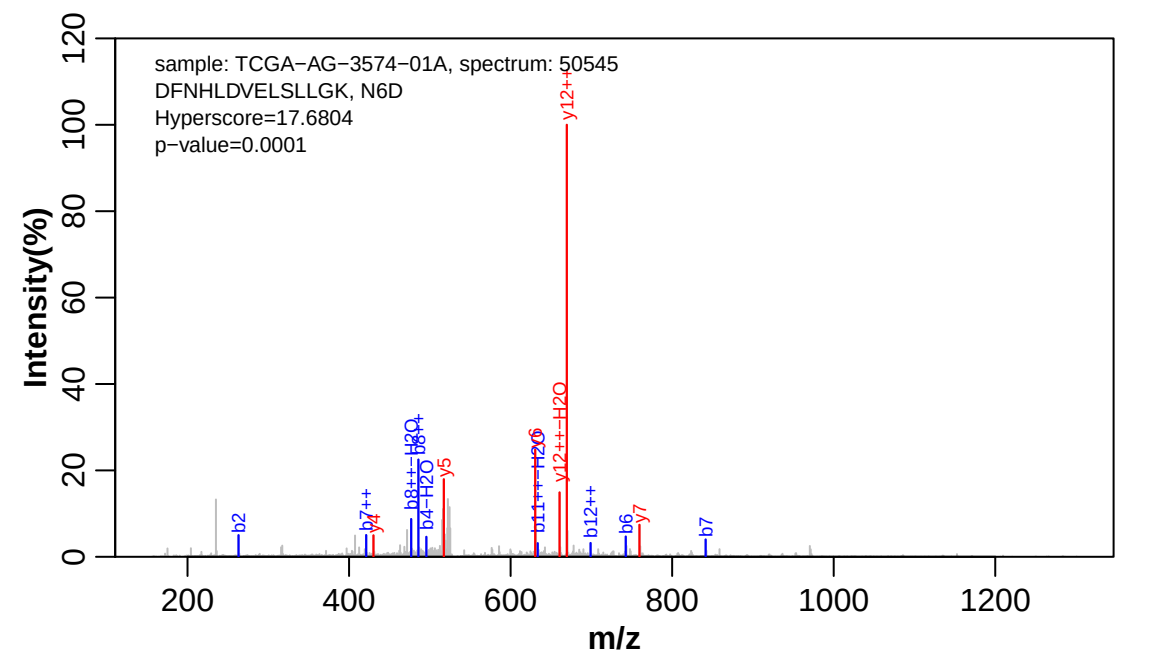

sample: TCGA−AG−3574−01A, spectrum: 83280
APSPLYSVEFSEEPFGVLVHR, R20H
Hyperscore=67.4043
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y8++
y9++−H2O
y9++
y5
y6++
y6
b7
y12++
b13++−H2O
b14++−H2O
b8
y14++
y13++−H2O
y15++
y8
b8−H2O
b9
y16++
y17++
y18++−H2O
y9
y19++−H2O
y19++
y10
b11
b12
b13

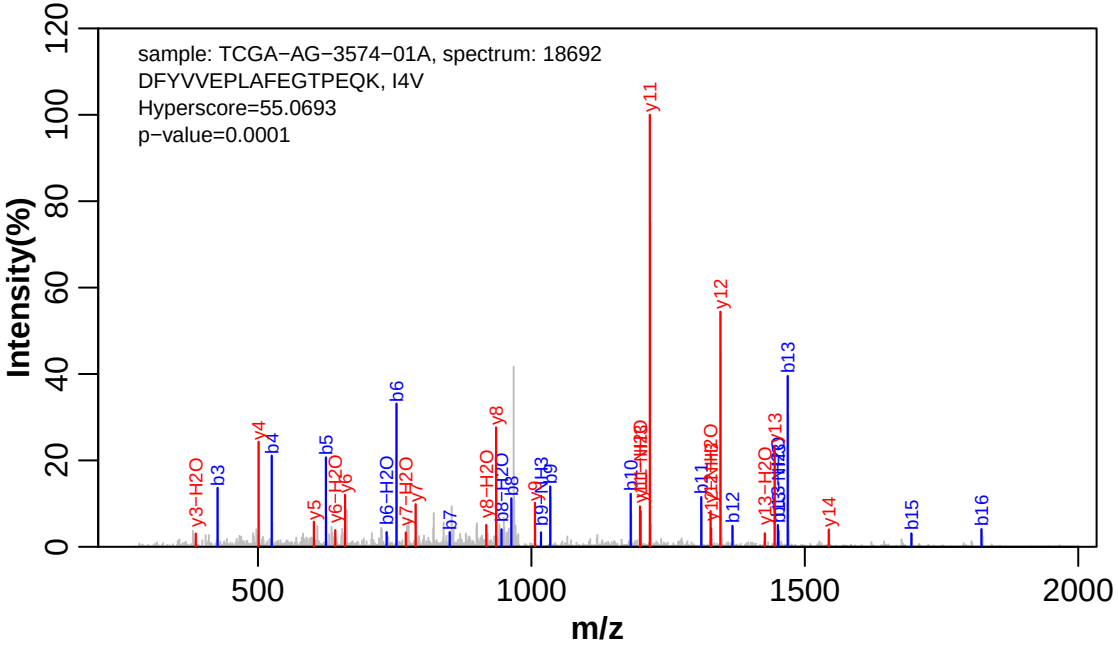

sample: TCGA−AG−3574−01A, spectrum: 5576
AWLSSQAAELER, V7A
Hyperscore=48.0272
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−H2O
b4
y4
y5
y6−NH3
y6
y7
y8
y9
y10
b10
b11
b11−H2O

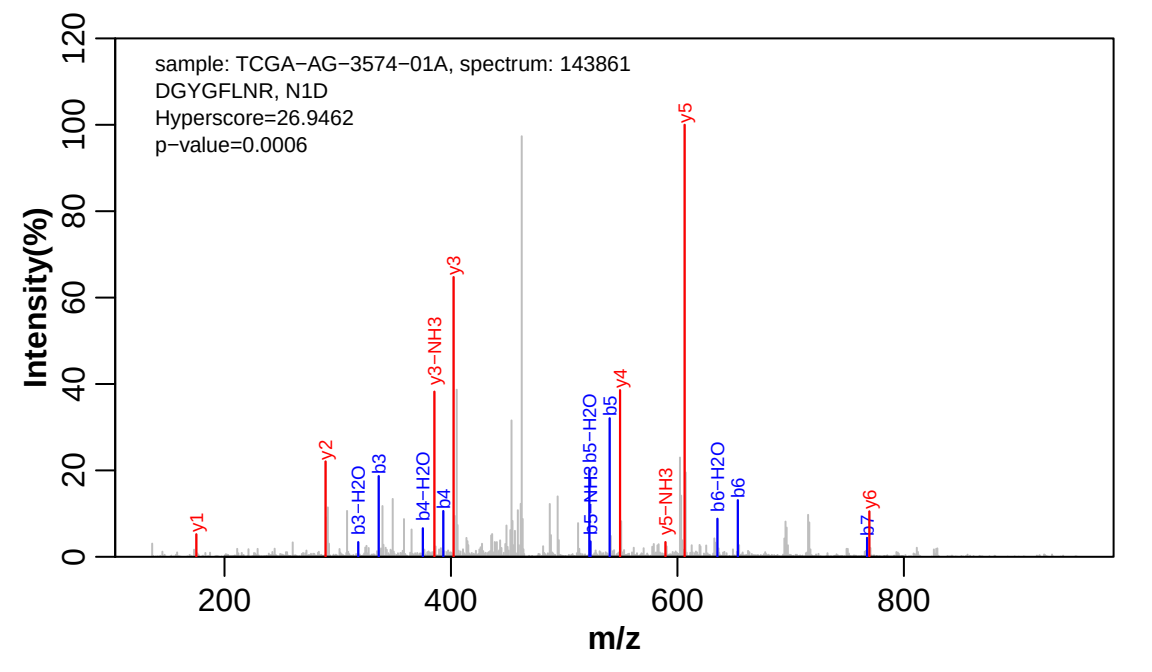

sample: TCGA−AG−3574−01A, spectrum: 148680
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=30.4472
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y4−H2O
y4
b5
b8
y7−NH3
b8−NH3
y8−NH3
b7
b9−NH3
y9−NH3
y7
b8
y8
b9
y9
y10
y11
y12
y12−NH3
b13
y13
b16

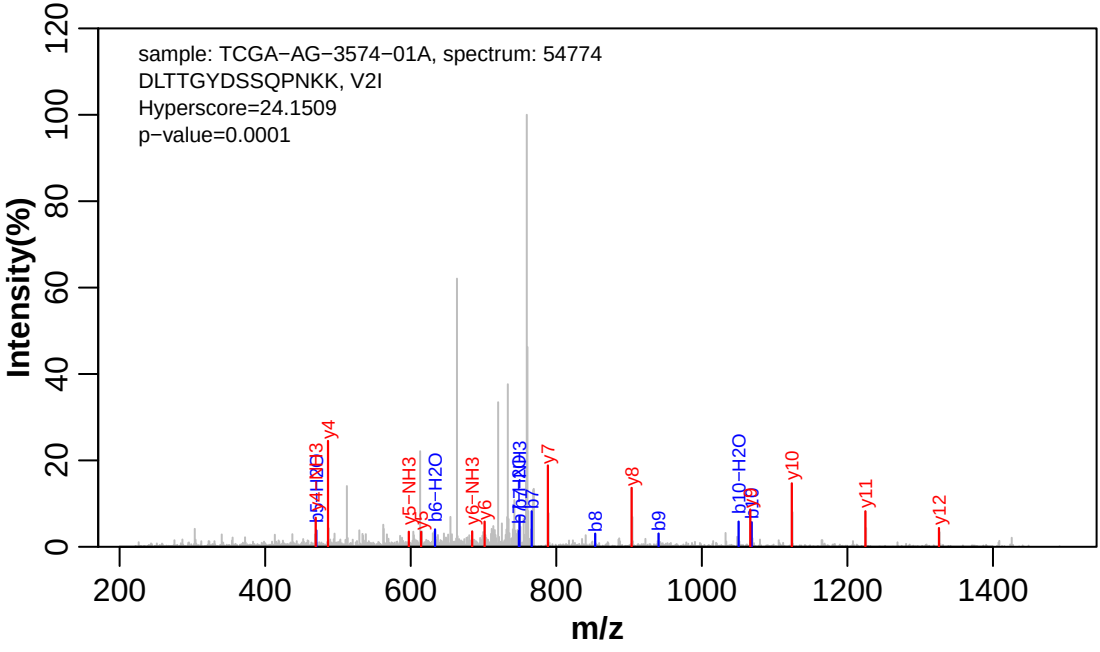

sample: TCGA−AG−3574−01A, spectrum: 148513
DCGEAAAQWLTSFLK, T6A
Hyperscore=63.5989
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y4
b5
y5
b6
b7
y6
b8
y7
y8
y9
b10
y10
b11
y11
b12
y12
b14

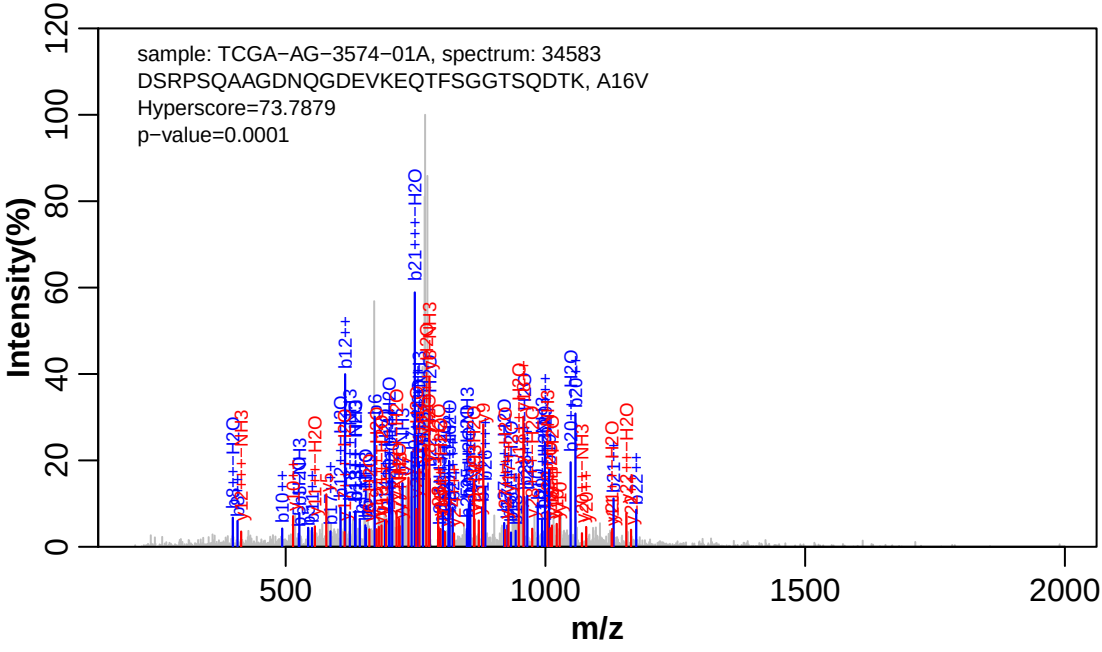

sample: TCGA−AG−3574−01A, spectrum: 112319
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=99.3583
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y4
y5
y11++−H2O
y11++
b11+H2O
b12++
b13++
b13++−H2O
y6
b14+17
b15++
b16++
b16++−H2O
b18++−H2O
b19++
b21++−H2O
b21++
y11
b22++
b13
y12
b12
b11

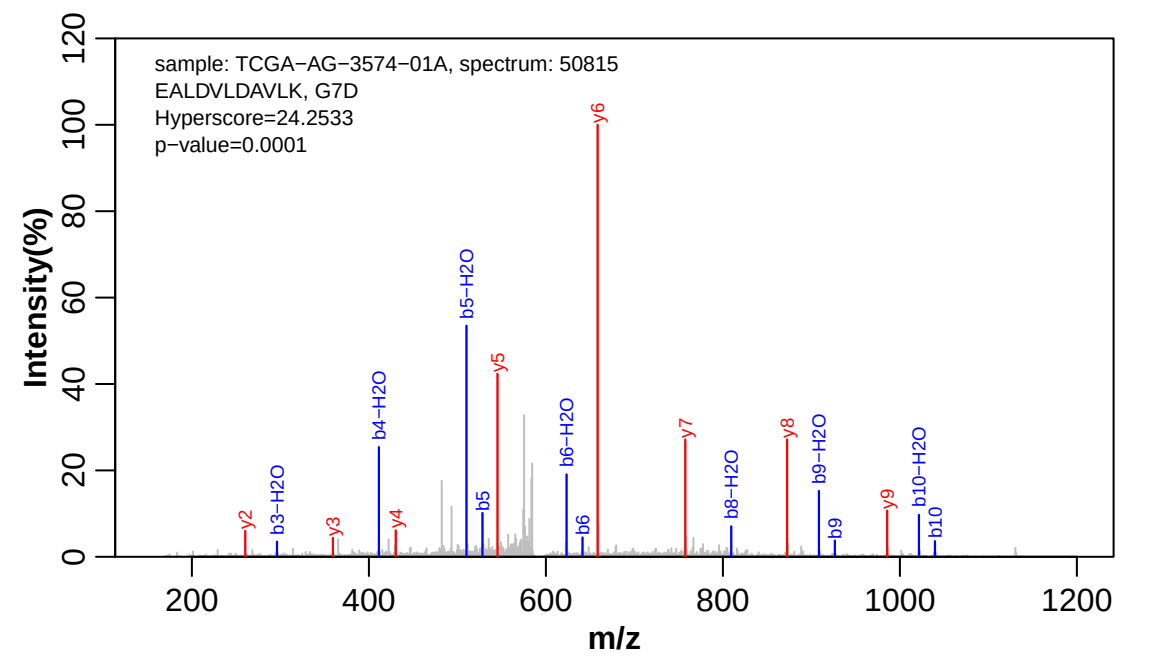

sample: TCGA−AG−3574−01A, spectrum: 50545
DFNHLDVELSLLGK, N6D
Hyperscore=17.6804
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y12++
y12++−H2O
y11++−H2O
b8++−H2O
b8++
b4−H2O
y5
y4++
b2
b12++
b6
y7
b7

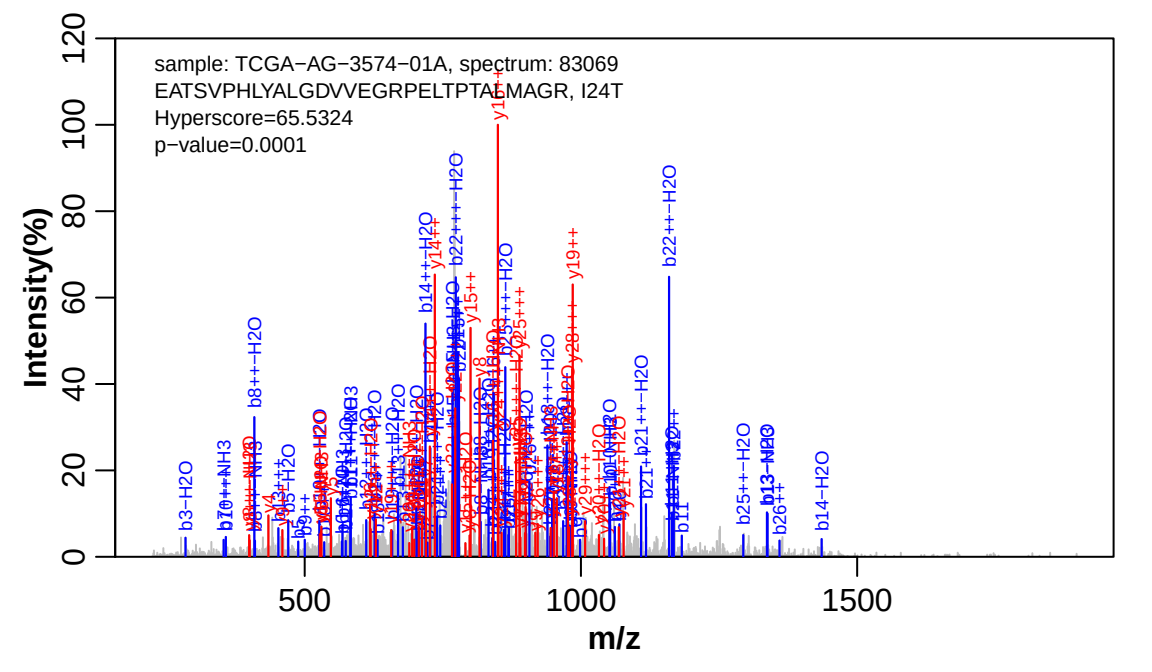

sample: TCGA−AG−3574−01A, spectrum: 18692
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=55.0693
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y11
y12
y4
b4
b3
b6
b5
y8
b13
y14
b15
b16
y3−H2O
y5
y6−H2O
y6
b6−H2O
y7−H2O
b7
y8−H2O
b8−H2O
b8
b9−H3
b9
b10
b11
b12
y13−H2O
y13

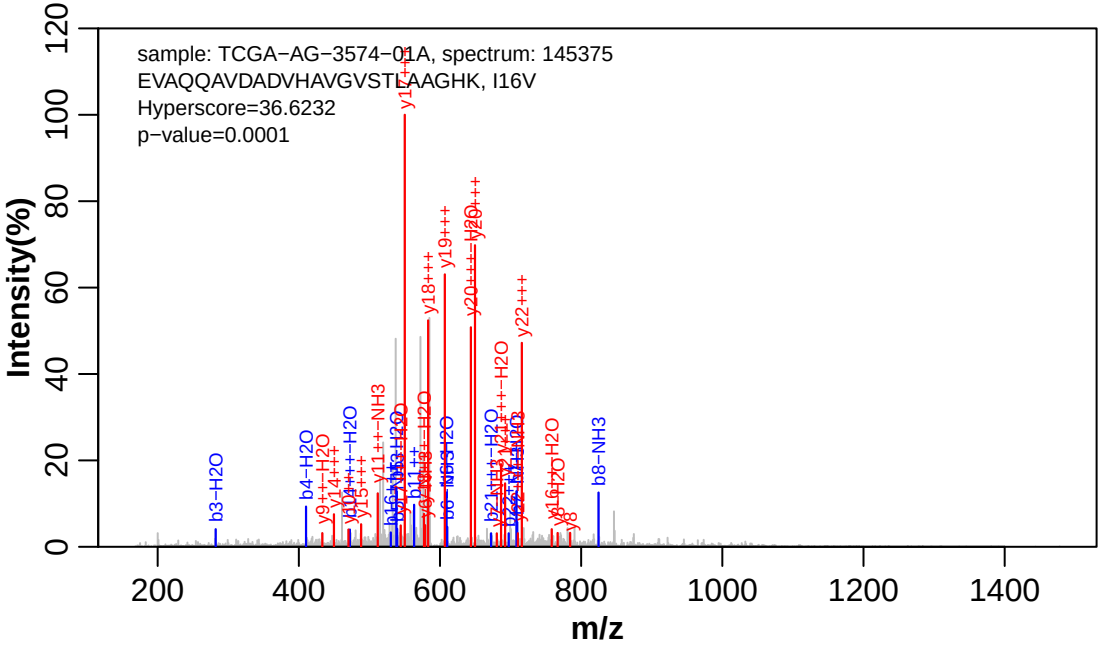

sample: TCGA−AG−3574−01A, spectrum: 143861
DGYGFLNR, N1D
Hyperscore=26.9462
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5−NH3
y5
b6−H2O
b6
b7
y6

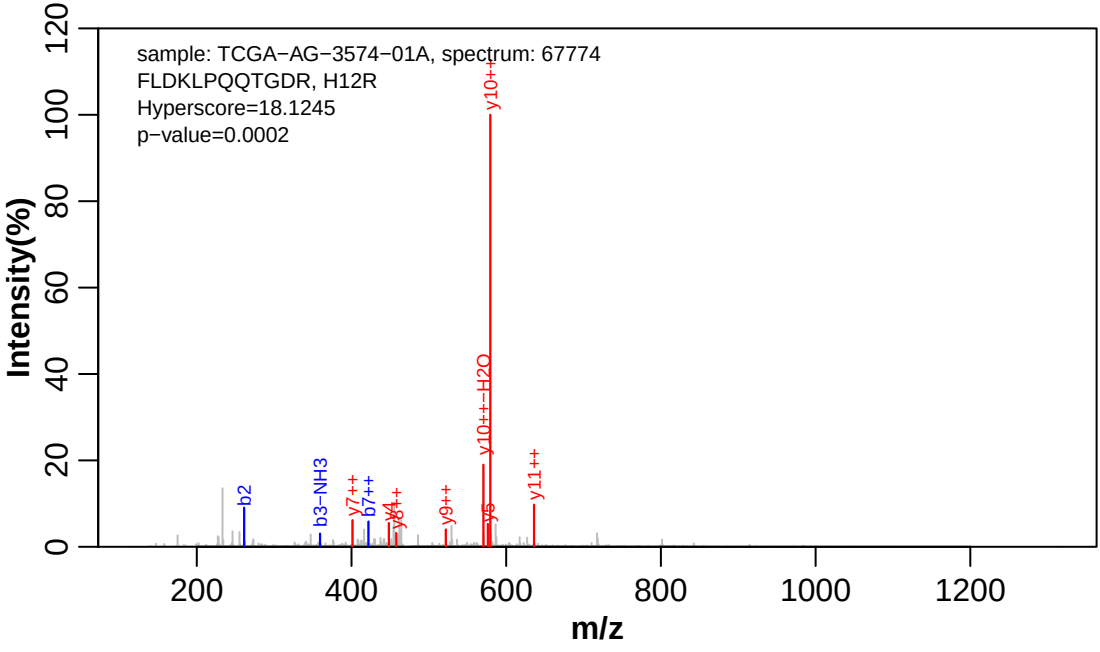

sample: TCGA−AG−3574−01A, spectrum: 54774
DLTTGYDSSQPNKK, V2I
Hyperscore=24.1509
p−value=0.0001
Intensity(%)
m/z
y4
y5−NH3
y5
b6−H2O
y6−NH3
y6
b7
b8
y8
b9
b10−H2O
y10
y11
y12

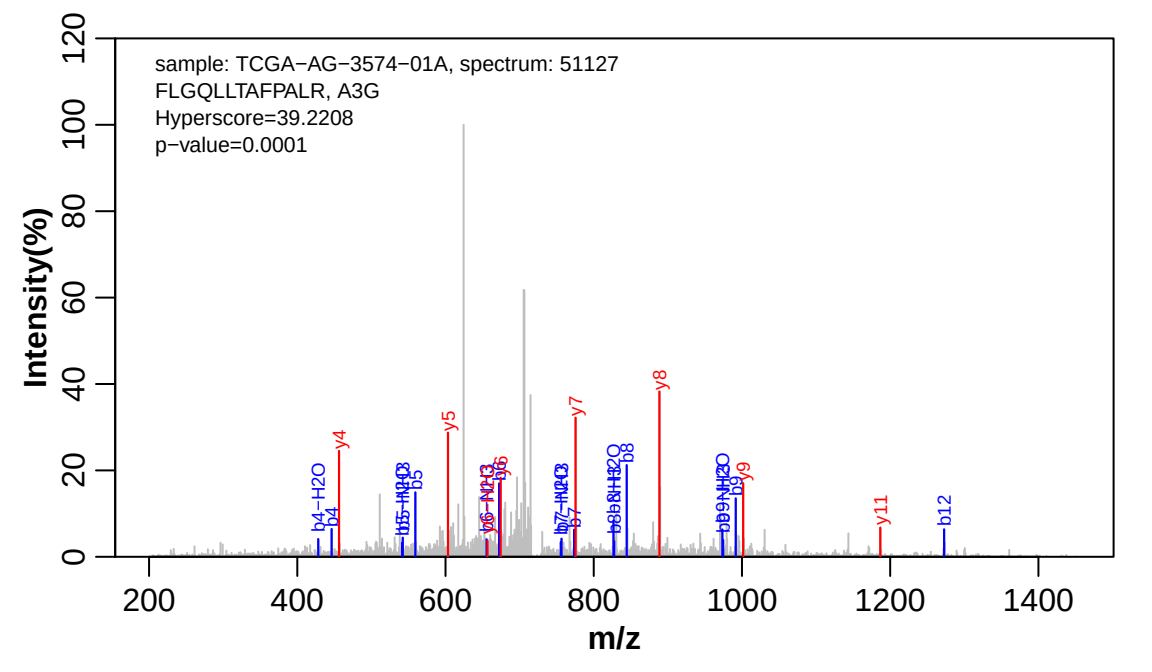

sample: TCGA−AG−3574−01A, spectrum: 34583
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=73.7879
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

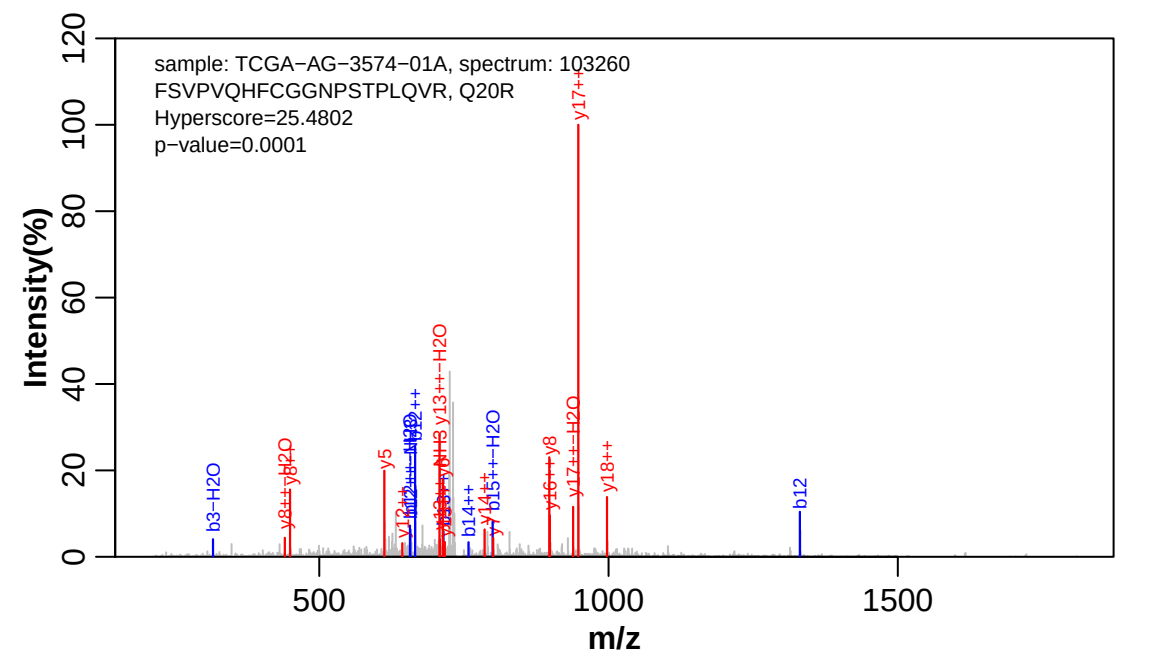

sample: TCGA−AG−3574−01A, spectrum: 50815
EALDVLDAVLK, G7D
Hyperscore=24.2533
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

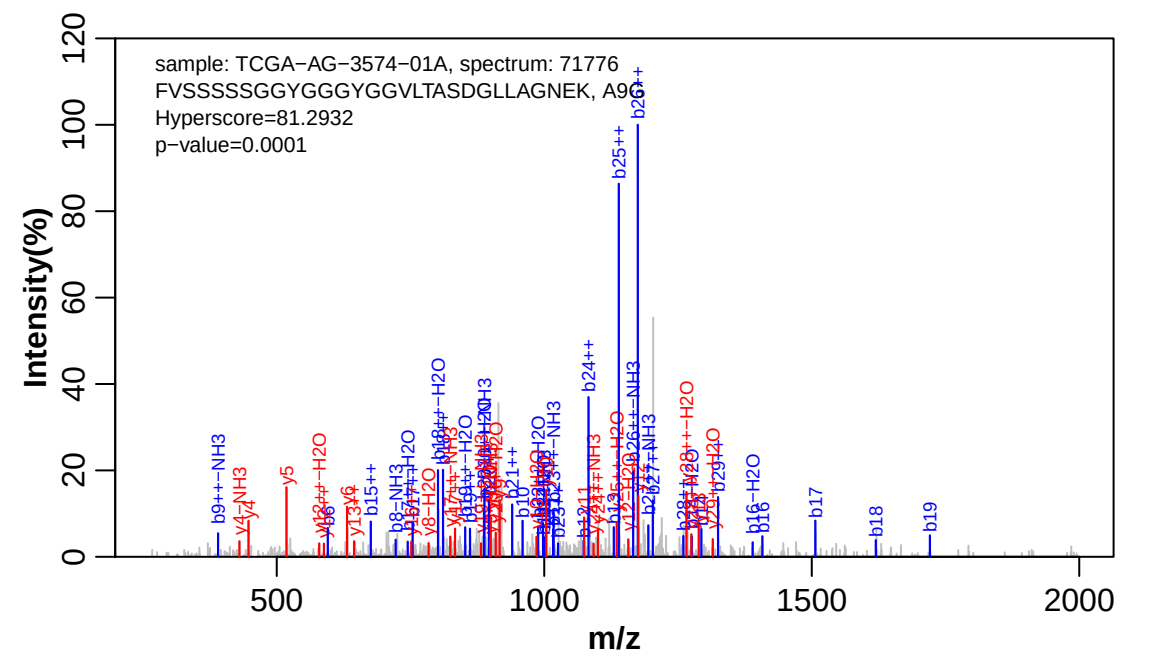

sample: TCGA−AG−3574−01A, spectrum: 83069
EATSVPHLYALGDVVEGRPELTPTALMAGR, I24T
Hyperscore=65.5324
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

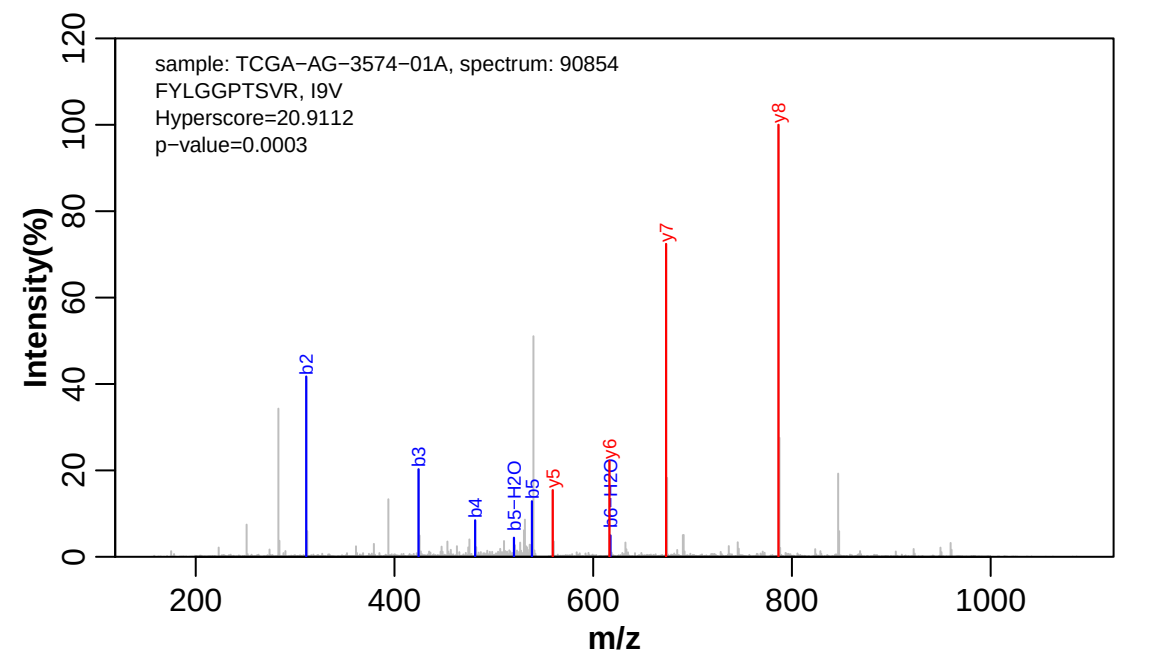

sample: TCGA−AG−3574−01A, spectrum: 145375
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=36.6232
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y1++
y18+++
y19+++
y20+++−H2O
y22+++
b3−H2O
b4−H2O
b8−NH3
y8
y16++−H2O

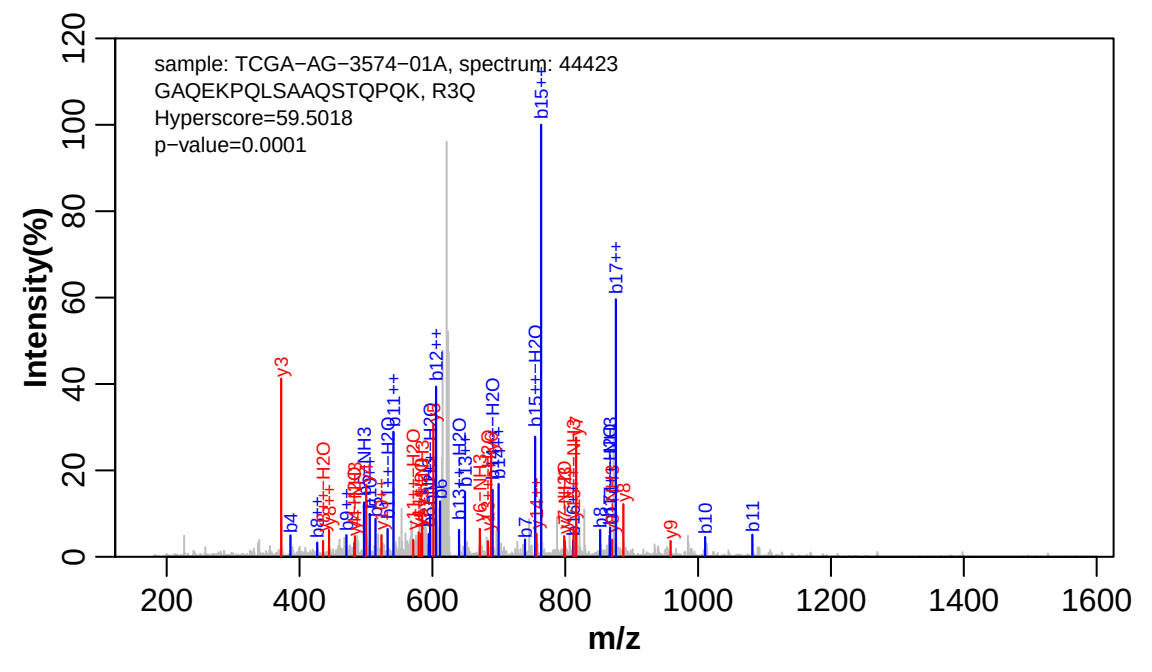

sample: TCGA−AG−3574−01A, spectrum: 67774
FLDKLPQQTGDR, H12R
Hyperscore=18.1245
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3−NH3
y7++
b7++
y8++
y9++
y10++
y10++−H2O
y6
y11++

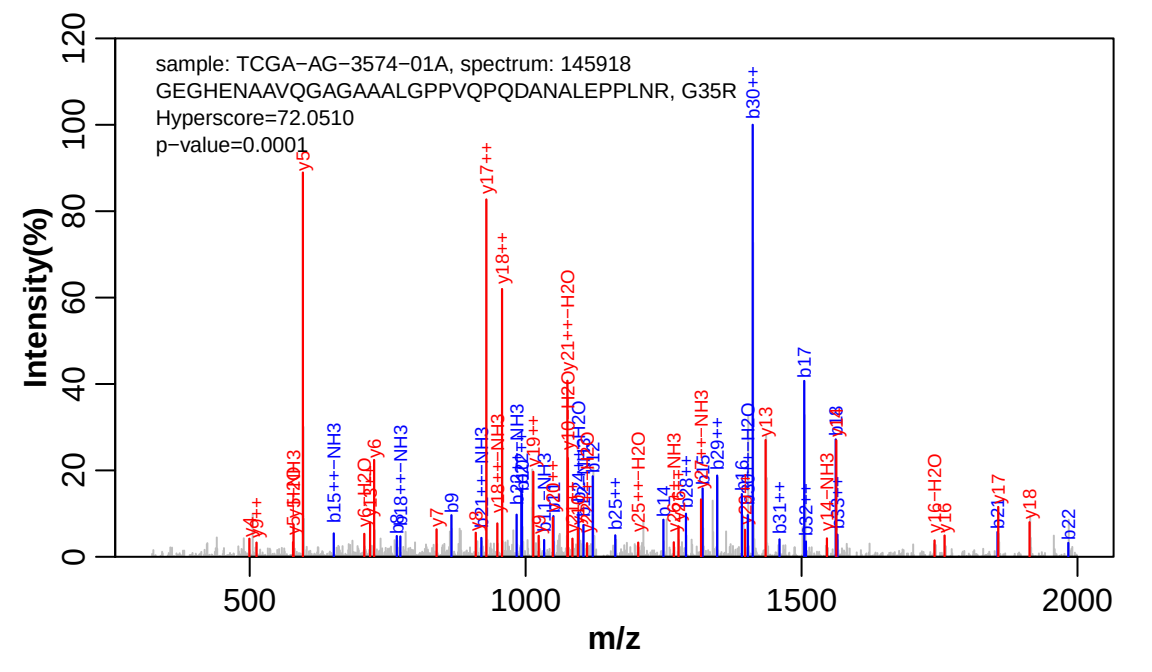

sample: TCGA−AG−3574−01A, spectrum: 51127
FLGQLLTAFPALR, A3G
Hyperscore=39.2208
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
y5
y7
y8
y9
y11
b4−H2O
b4
b5
b8
b12

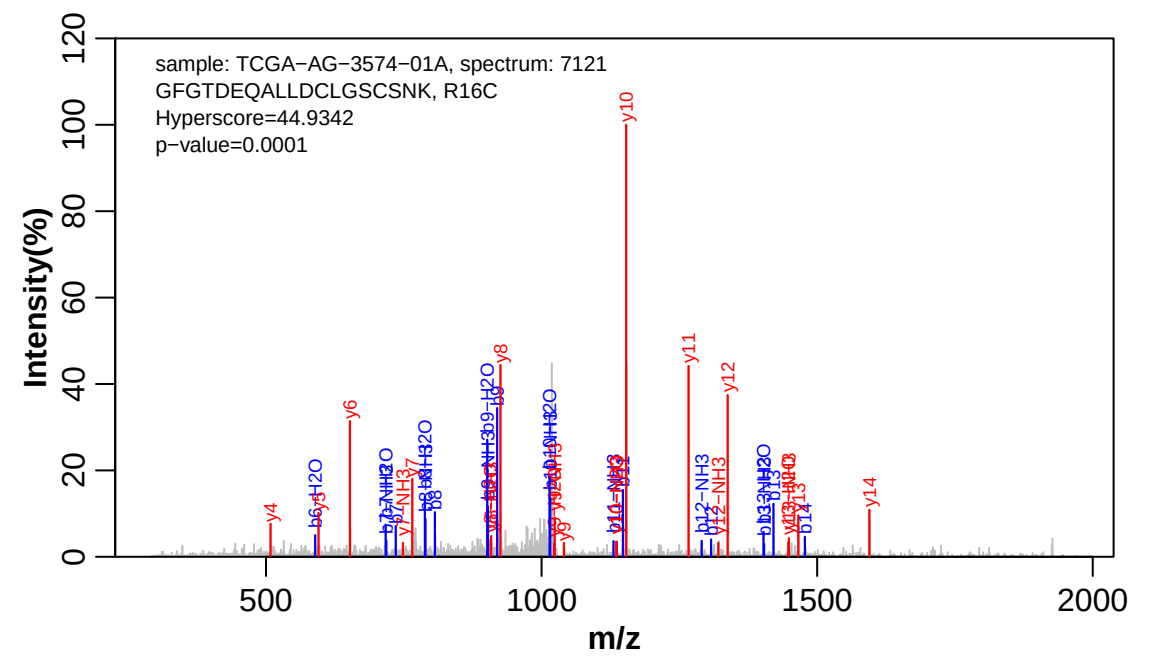

sample: TCGA−AG−3574−01A, spectrum: 103260
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=25.4802
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
y8++
y8++−H2O
y5
y13++−H2O
b14++
y14++
y7
b15++−H2O
y16++
y8
y17++−H2O
y17++
y18++
b12

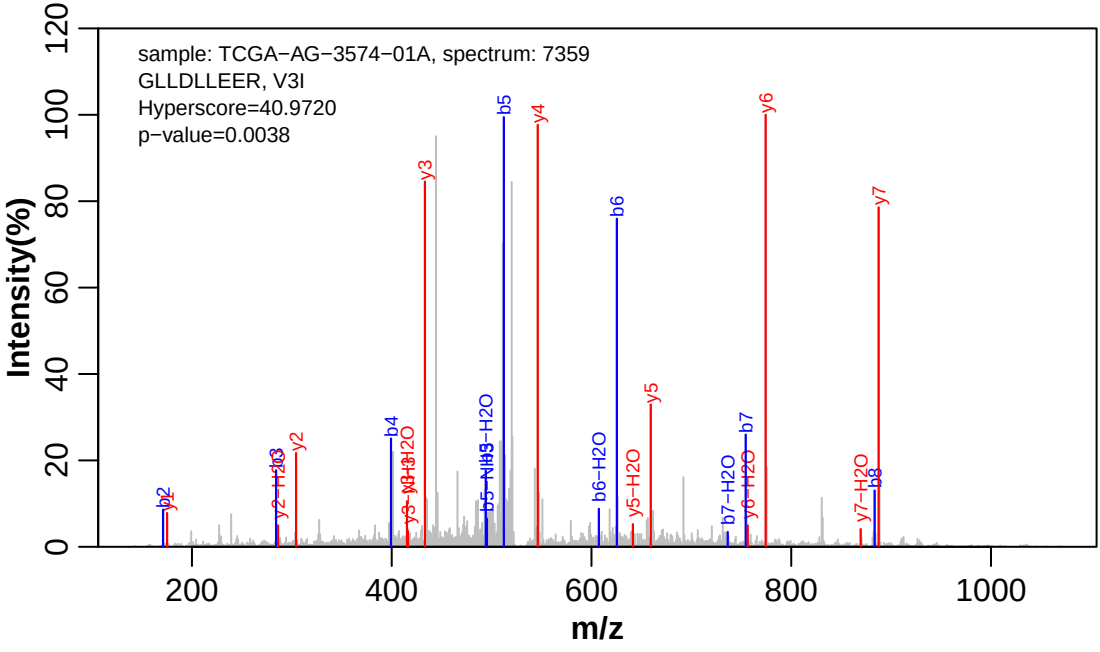

sample: TCGA−AG−3574−01A, spectrum: 71776
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=81.2932
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4−NH3
y4
y5
y12++−H2O
y13++
y6
b15++
b8−NH3
b8−H2O
b10++−H2O
b10++−NH3
b10++−H2O
b21++
b10
b24++
b12++
b13++−H2O
b25++
b26++
b26++−NH3
b27++−NH3
b27++
b28++−H2O
b29++
b29++−H2O
b16−H2O
b16
b17
b18
b19

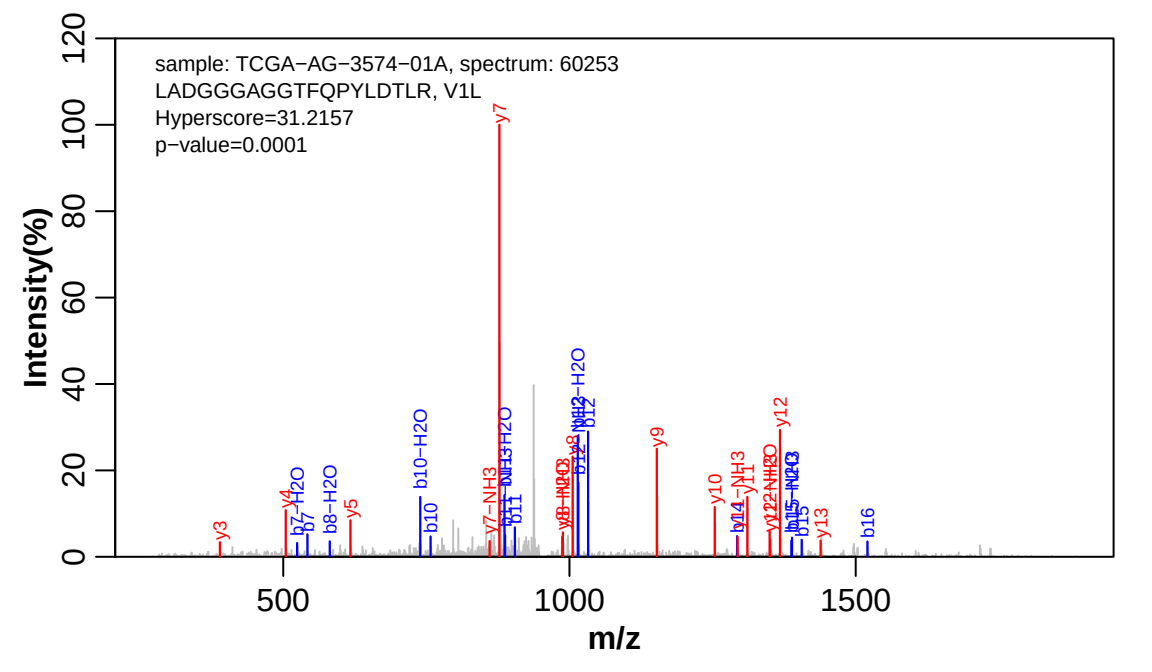

sample: TCGA−AG−3574−01A, spectrum: 90854
FYLGGPTSVR, I9V
Hyperscore=20.9112
p−value=0.0003
Intensity(%)
m/z
b2
b3
b4
b5−H2O
b5
y5
b6−H2O
y6
y7
y8

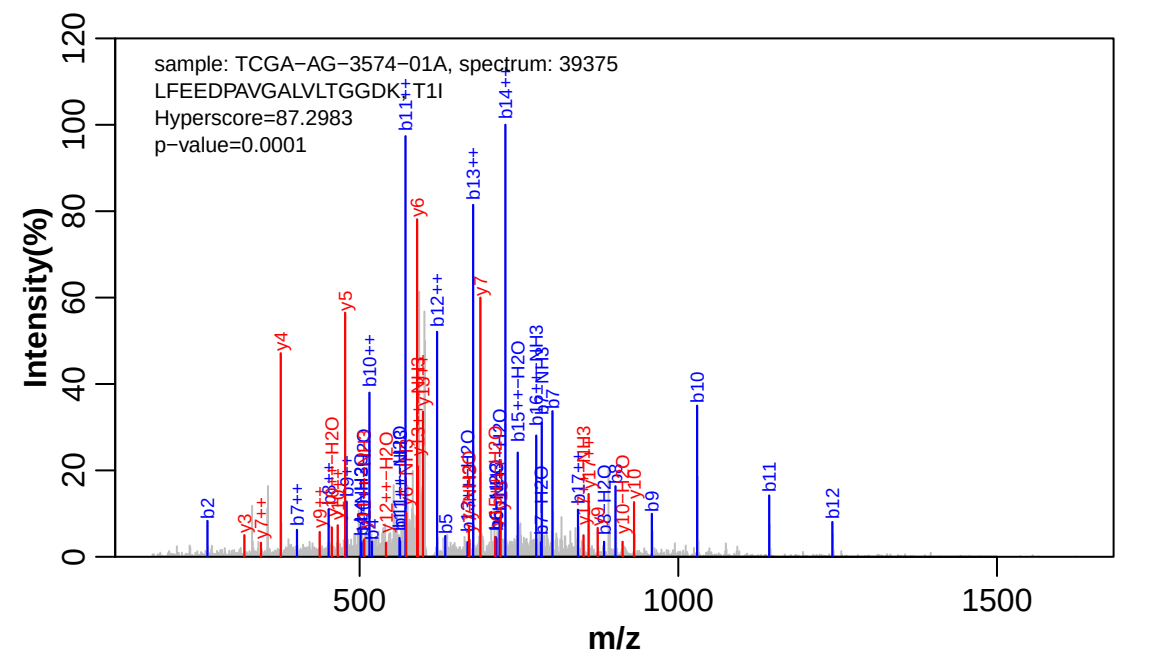

sample: TCGA−AG−3574−01A, spectrum: 44423
GAQEKPQLSAAQSTQPQK, R3Q
Hyperscore=59.5018
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
b4
b8++
b8++−H2O
b8++−NH3
b9++
b9++−H2O
b9++−NH3
y7++−H2O
y7++−NH3
b11++
b11++−H2O
b11++−NH3
b12++
b12++−H2O
b12++−NH3
b13++
b13++−H2O
b13++−NH3
y6
y6−H2O
y6−NH3
b14++
b14++−H2O
b14++−NH3
b15++
b15++−H2O
b15++−NH3
b7
y14++
y14++−H2O
y14++−NH3
b17++
b17++−H2O
b17++−NH3
b8
y8
y9
b10
b11

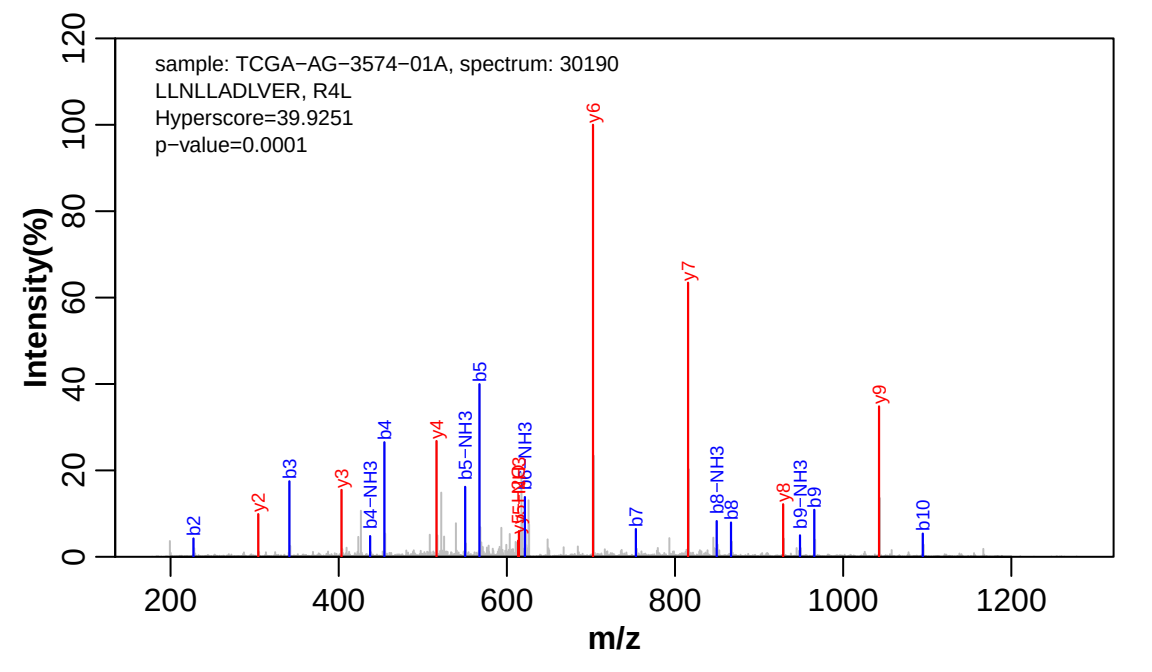

sample: TCGA−AG−3574−01A, spectrum: 145918
GEGHENAAVQGAGAAALGPPVQPQDANALEPPLNR, G35R
Hyperscore=72.0510
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
y17++
b30++
y18++
y5−H2O−NH3
b15++−NH3
y6−H2O
y6
b18++−NH3
y7
b9
y8
y21++−NH3
y18++−NH3
b17
y13
b25++
y25++−H2O
b31++
b32++
y16−H2O
y18
b2y17
b22

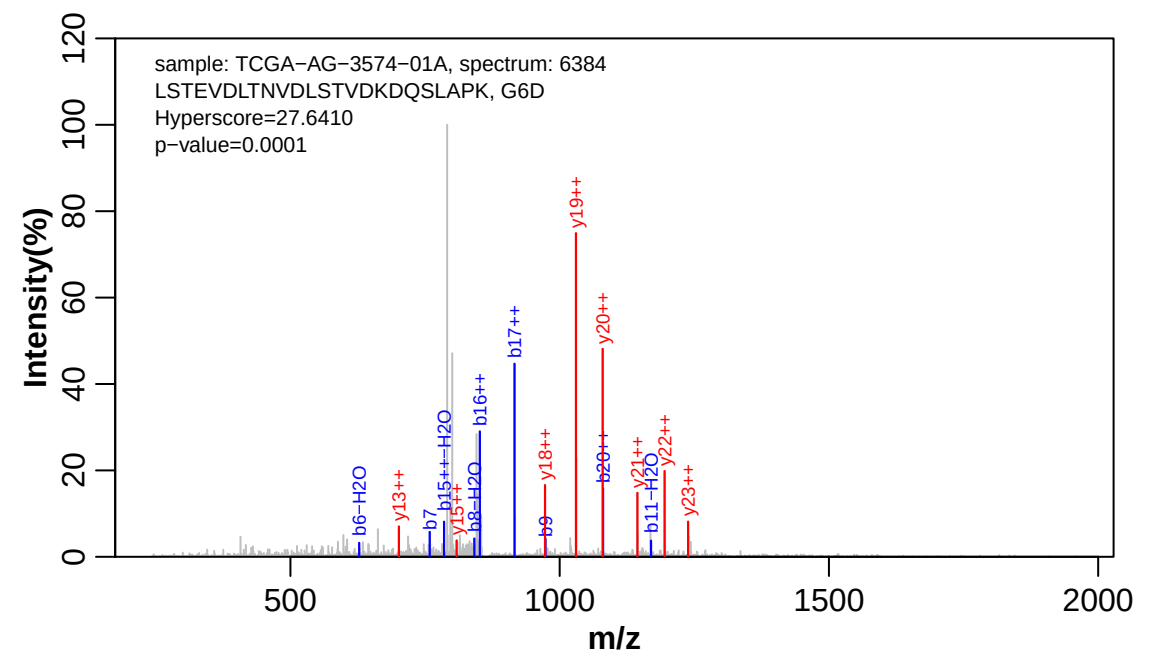

sample: TCGA−AG−3574−01A, spectrum: 7121
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=44.9342
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10
y11
y12
y8
y6
y4
y14
b6−H2O
y5−H2O
y7−NH3
b8−H2O
b9−NH3−H2O
b9−H2O
b12−NH3
y12−NH3
b13
b14

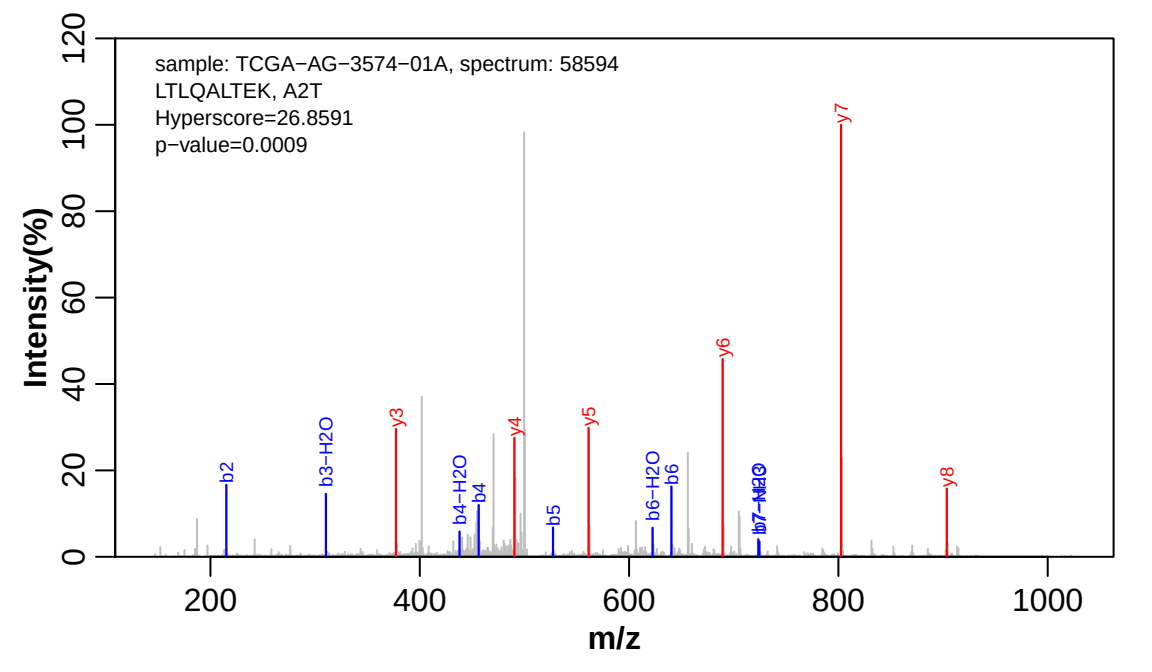

sample: TCGA−AG−3574−01A, spectrum: 7359
GLLDLLEER, V3I
Hyperscore=40.9720
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
y2−H2O
b3
y3
b4
y3−H2O
b5
y4
b5−H2O
b6
b6−H2O
y5
y5−H2O
b7
b7−H2O
y6
y6−H2O
y7
y7−H2O
b8

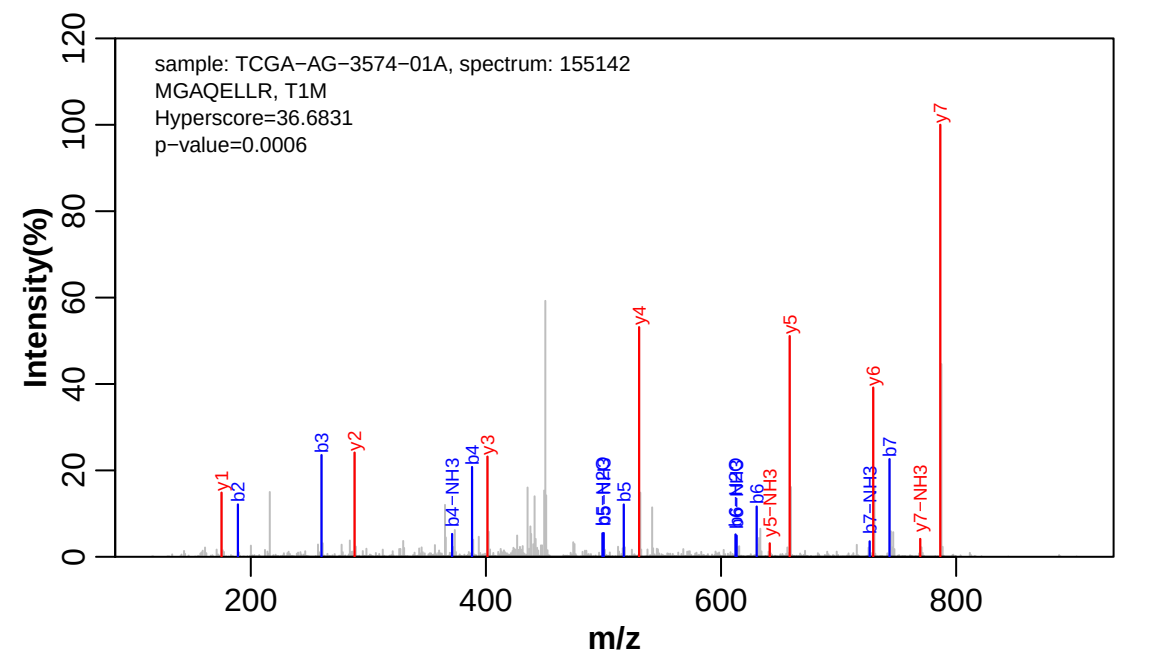

sample: TCGA−AG−3574−01A, spectrum: 60253
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=31.2157
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y3
y4
b7−H2O
b7
b8−H2O
y5
b10−H2O
b10
y7−NH3
b11−H2O
b11
b12−H2O
b12
y9
y10
y11−NH3
y11
y12
b15−H2O
b15
y13
b16

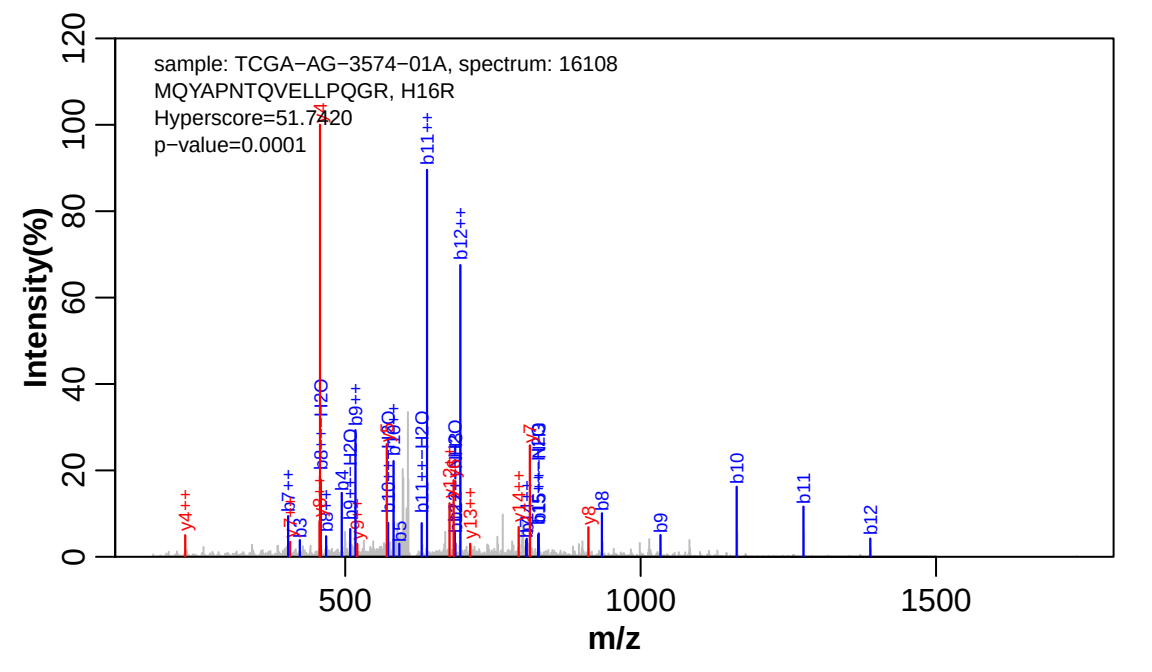

sample: TCGA−AG−3574−01A, spectrum: 39375
LFEEDPAVGALVLTGGDK+T1I
Hyperscore=87.2983
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y7++
b7++
y4
y5
b10++
b11++
y6
b12++
b13++
y7
b14++
b15++−H2O
b10
b11
b12
b9
y10
b8−H2O
y10−H2O
b5
b7

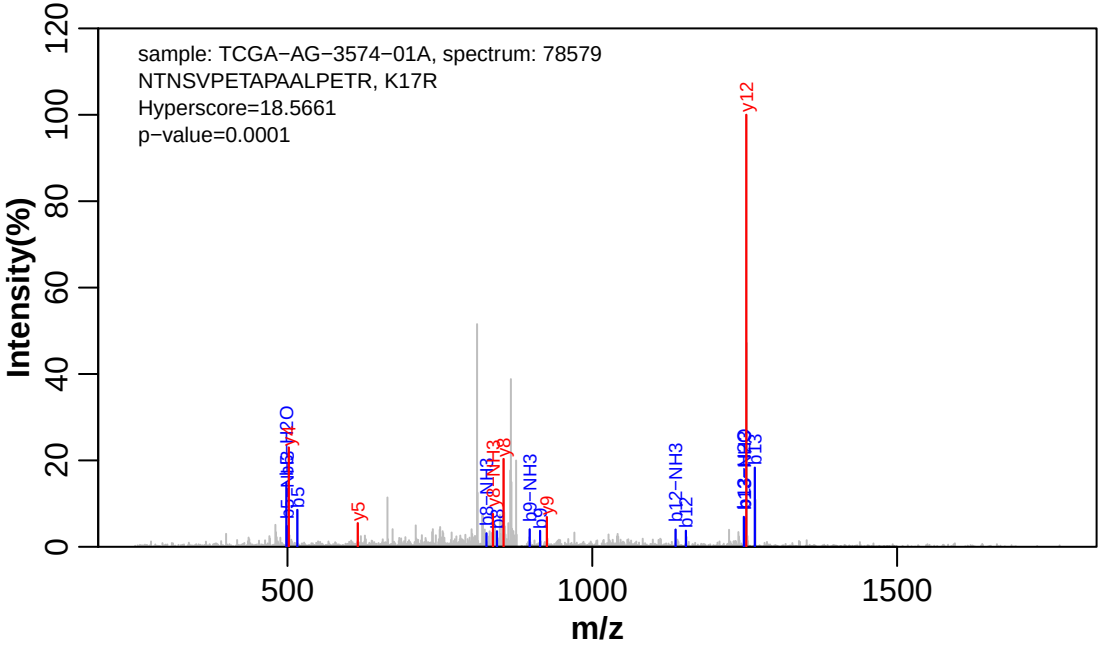

sample: TCGA−AG−3574−01A, spectrum: 30190
LLNLLADLVER, R4L
Hyperscore=39.9251
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

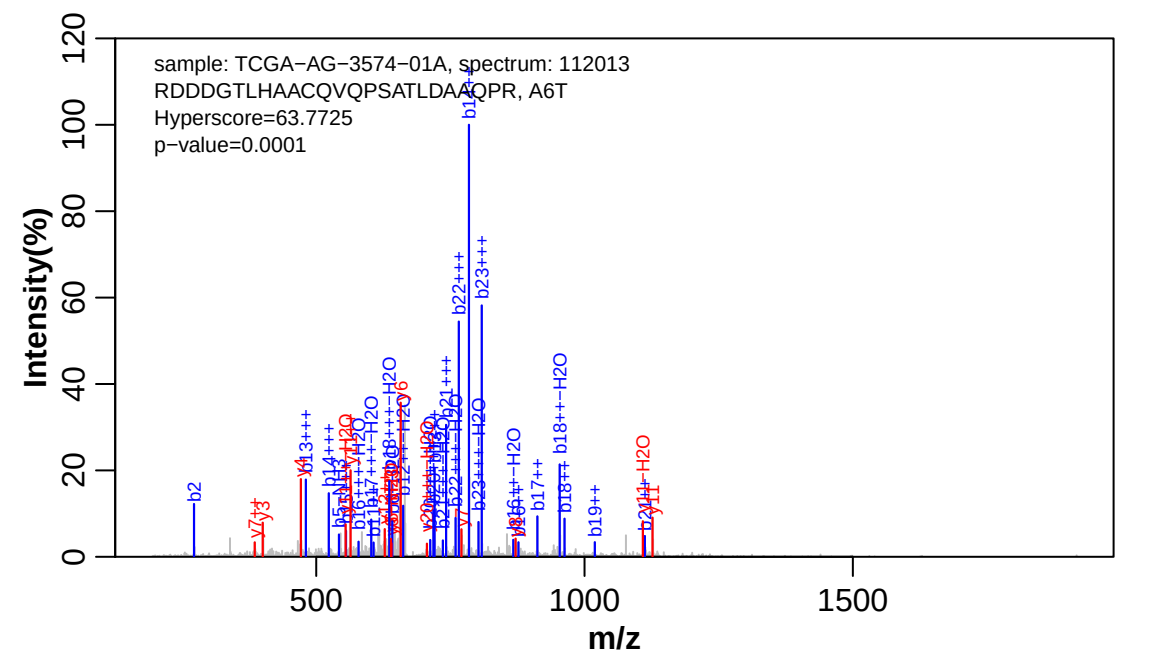

sample: TCGA−AG−3574−01A, spectrum: 6384
LSTEVDLTNVDLSTVDKDQSLAPK, G6D
Hyperscore=27.6410
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
b6−H2O
y13++
b7
b15++−H2O
y15++
b8−H2O
b16++
b17++
b9
y18++
y19++
b20++
y20++
y21++
b11−H2O
y22++
y23++

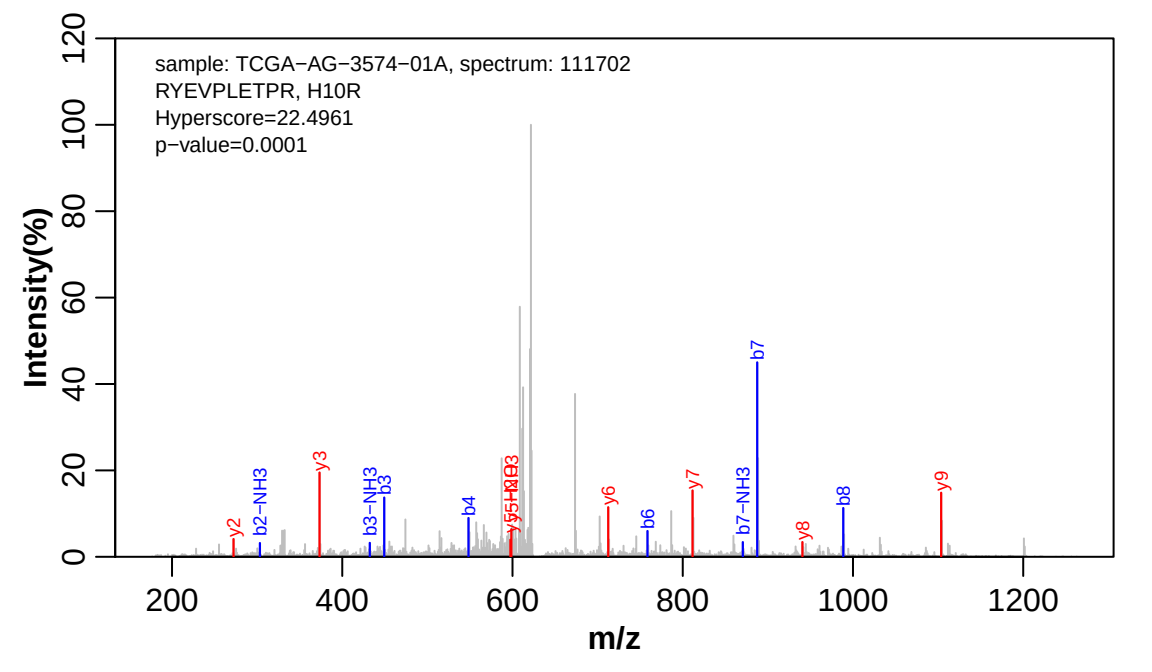

sample: TCGA−AG−3574−01A, spectrum: 58594
LTLQALTEK, A2T
Hyperscore=26.8591
p−value=0.0009
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
y3
b4−H2O
b4
y4
b5
y5
b6−H2O
b6
y6
y7
y8

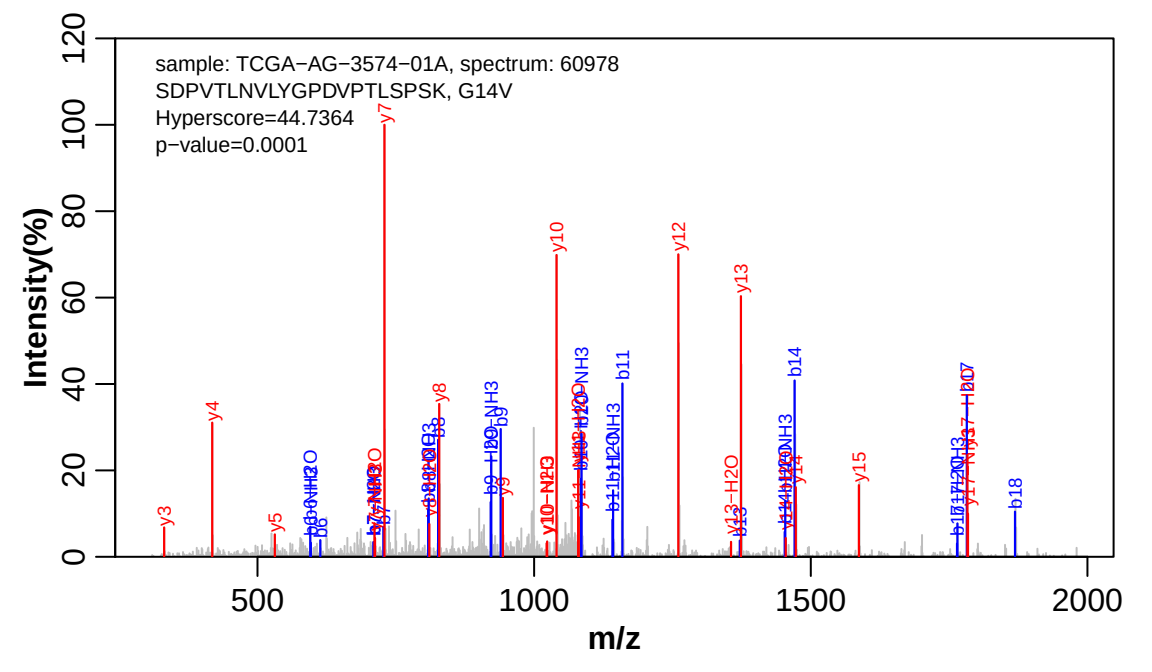

sample: TCGA−AG−3574−01A, spectrum: 155142
MGAQELLR, T1M
Hyperscore=36.6831
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2
b3
y2
b4−NH3
b4
y3
b5−NH3
b5
y4
b6−NH3
b6
y5−NH3
y5
b7−NH3
y6
b7
y7−NH3
y7

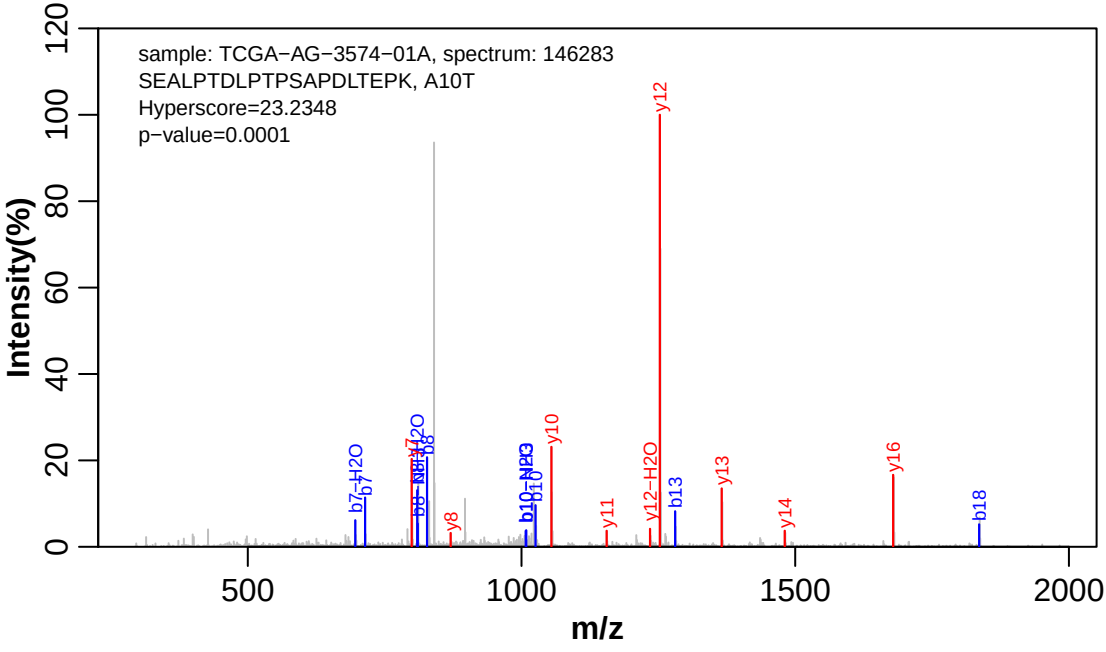

sample: TCGA−AG−3574−01A, spectrum: 16108
MQYAPNTQVELLPQGR, H16R
Hyperscore=51.7420
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4++
y7++
b3
b7++
b8++−H2O
y4
b8++
b9++
b4
b9++−H2O
y3++
b10++−H2O
b5
b11++−H2O
b11++
b12++
y13++
y11++
y7
b15++−NH3
y8
b8
b9
b10
b11
b12

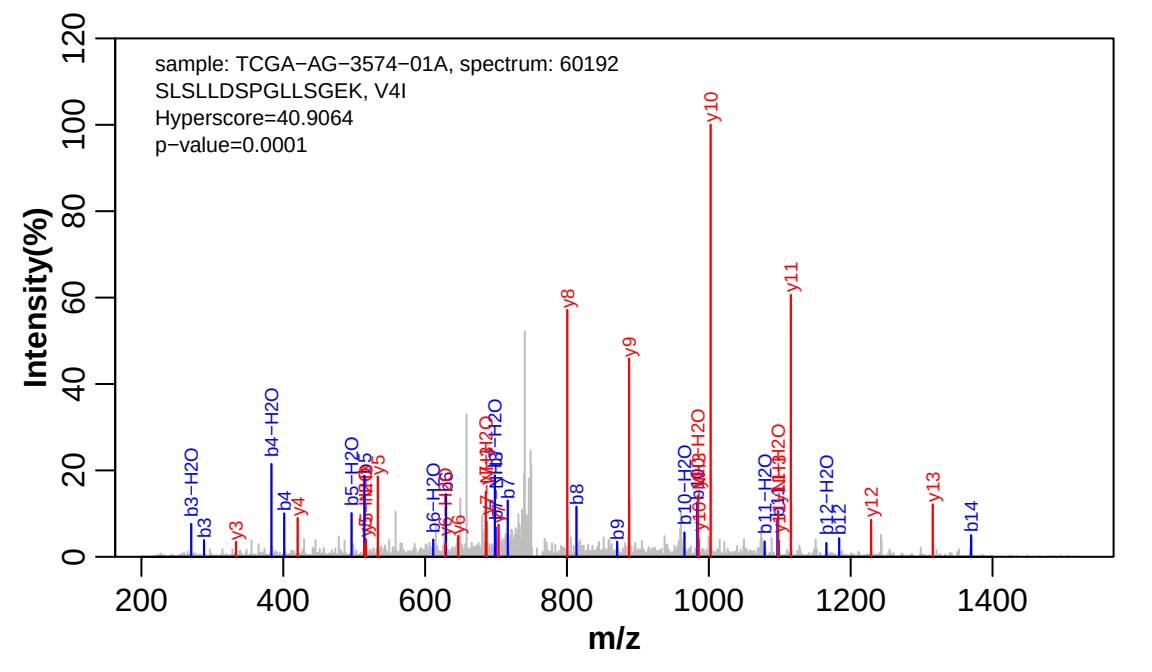

sample: TCGA−AG−3574−01A, spectrum: 78579
NTNSVPETAPAALPETR, K17R
Hyperscore=18.5661
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y5
y8
y9
b5
b8−NH3
b9−NH3
b12−NH3
b13

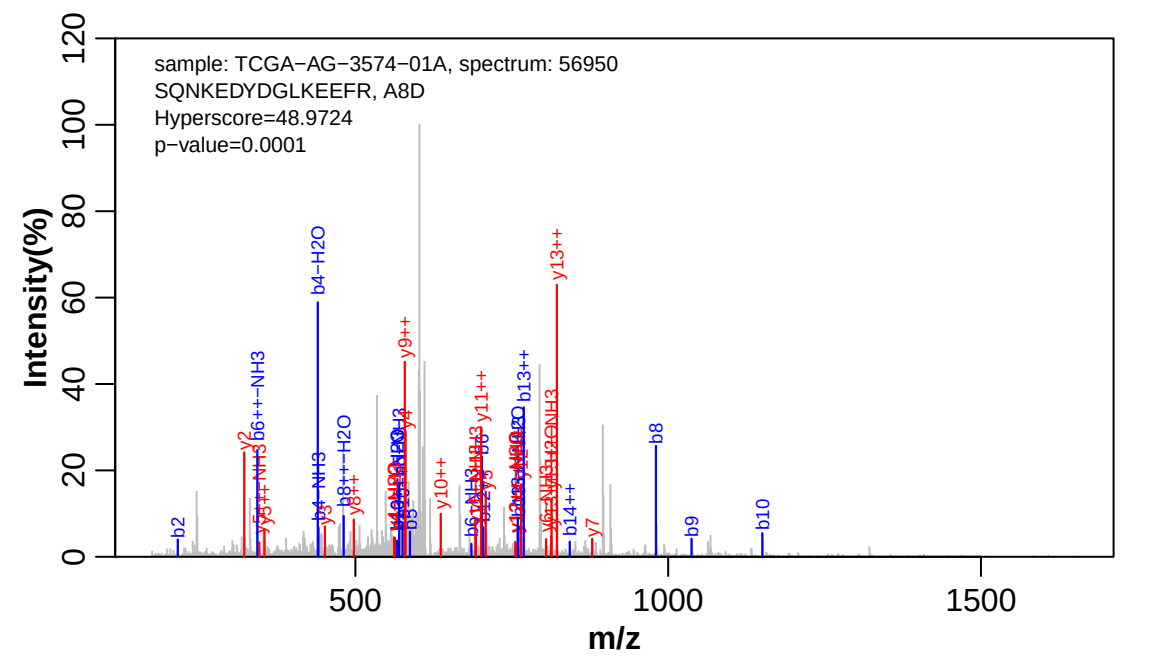

sample: TCGA−AG−3574−01A, spectrum: 112013
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=63.7725
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y4
y13+++
b14+++
b22+++
b23+++
b23++−H2O
b18++−H2O
b17++
b19++
y11
y11−H2O

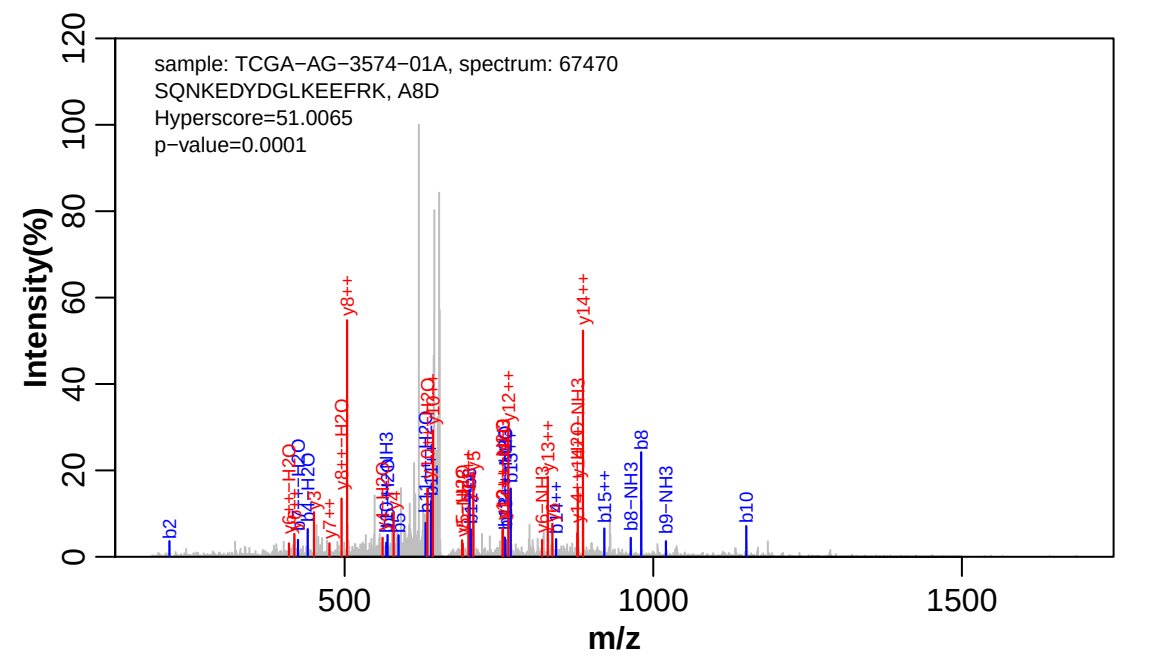

sample: TCGA−AG−3574−01A, spectrum: 111702
RYEVPLETPR, H10R
Hyperscore=22.4961
p−value=0.0001
Intensity(%)
m/z
y2
b2−NH3
y3
b3−NH3
b3
b4
y6
b6
y7
b7−NH3
b7
y8
b8
y9

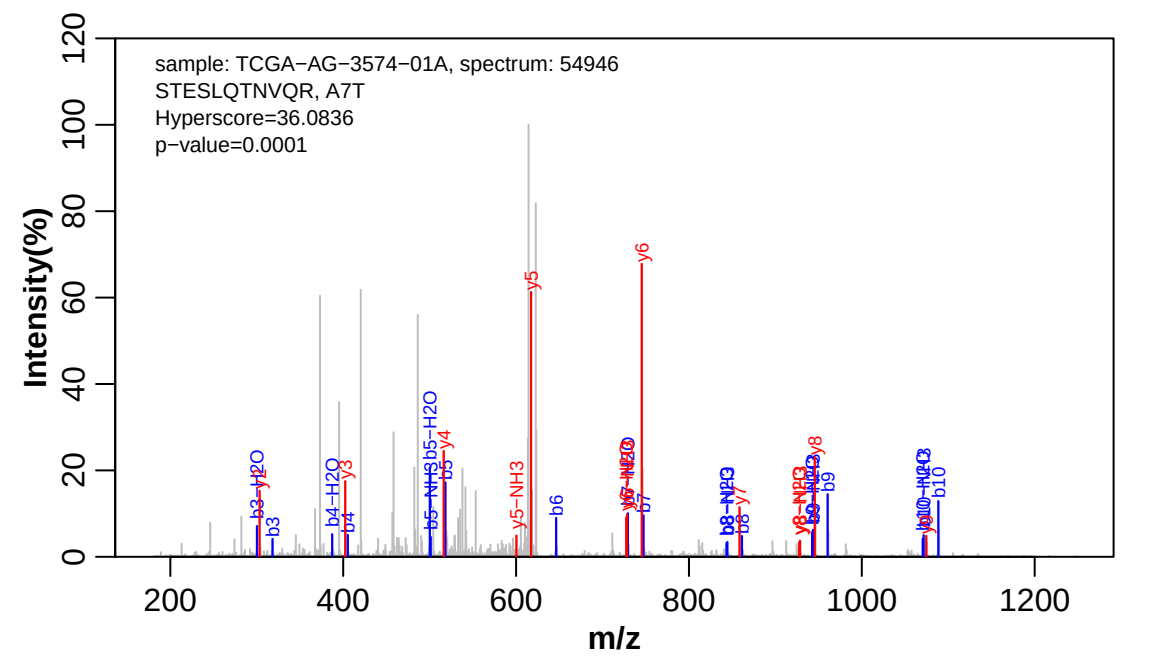

sample: TCGA−AG−3574−01A, spectrum: 60978
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=44.7364
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y5
y7
y8
y10
y12
y13
y15
b11
b14
b18

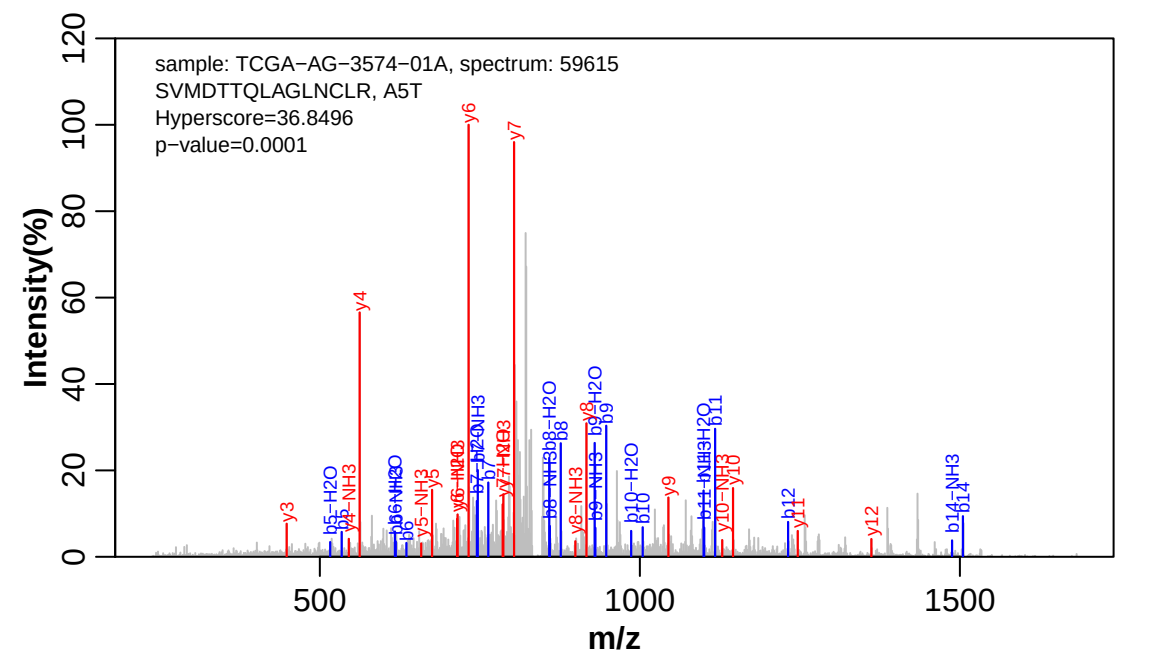

sample: TCGA−AG−3574−01A, spectrum: 146283
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=23.2348
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
y10
y16
y13
y14
y11
y8
b18
b13
b7−H2O
y12−H2O

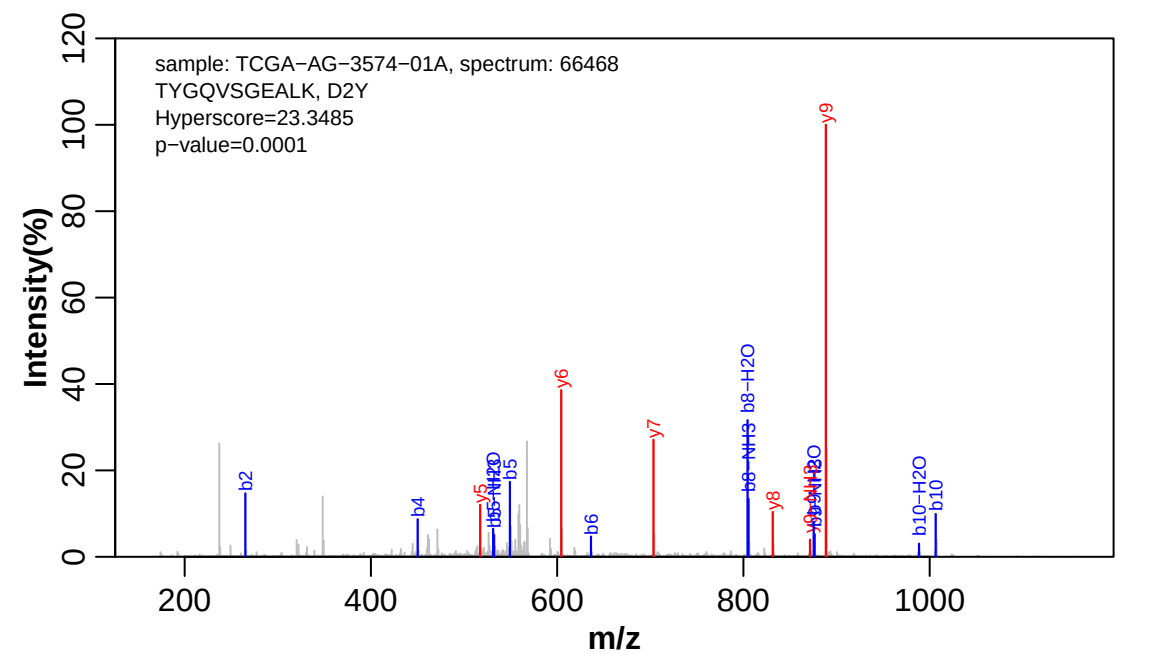

sample: TCGA−AG−3574−01A, spectrum: 60192
SLSLLDSPGLLSGEK, V4I
Hyperscore=40.9064
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10
y11
y8
y9
b8
b4−H2O
b3−H2O
b5−H2O
b6−H2O
b10−H2O
b11−H2O
b12−H2O
y13
b14
y12
b4
b3
y3
y4
y5
b9
b7

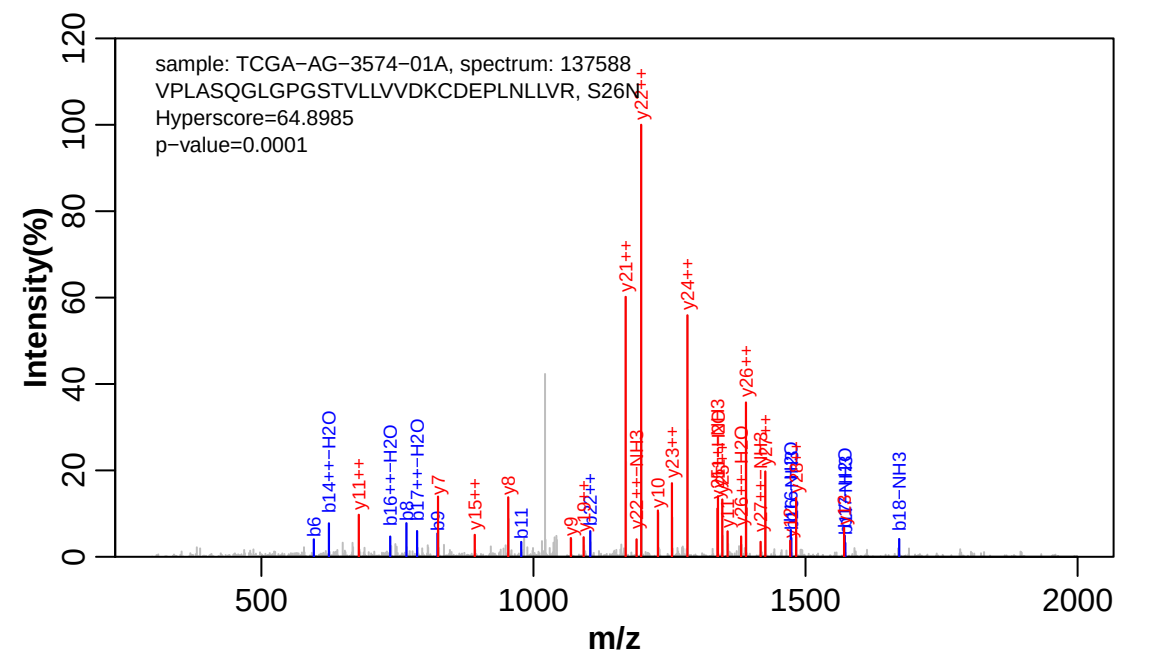

sample: TCGA−AG−3574−01A, spectrum: 56950
SQNKEDYDGLKEEFR, A8D
Hyperscore=48.9724
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
y3++−NH3
b6++−NH3
b4−H2O
b4−NH3
y3
b8++−H2O
y8++
y9++
y10++
y11++
b13++
y13++
b8
b14++
y7
b9
b10

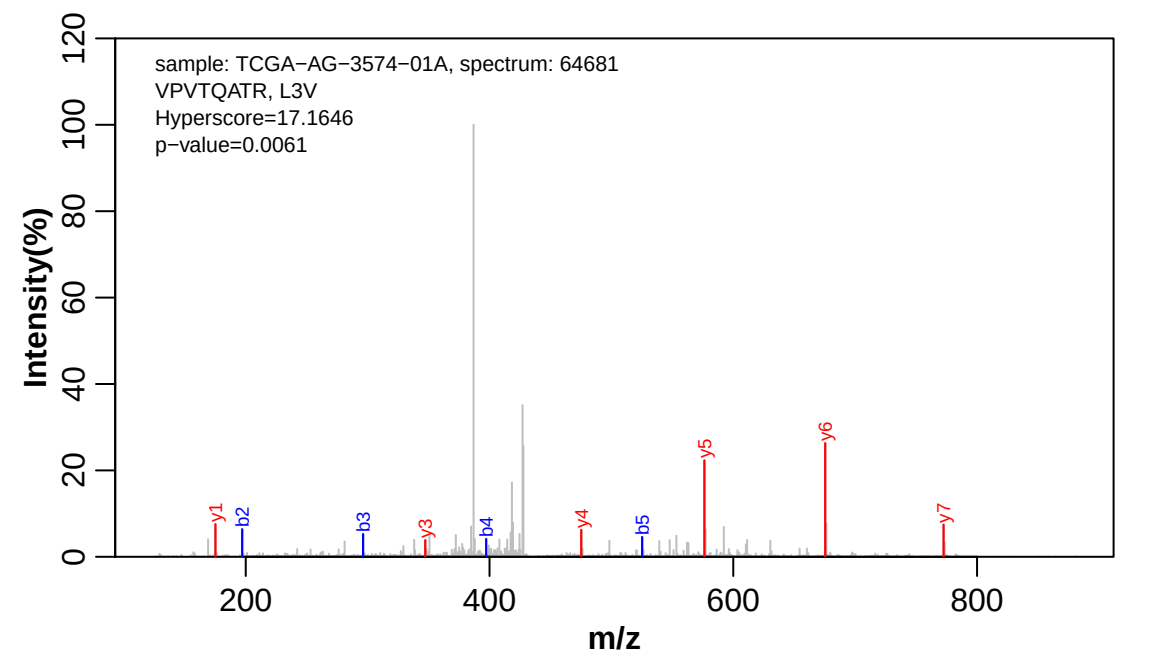

sample: TCGA−AG−3574−01A, spectrum: 67470
SQNKEDYDGLKEEFRK, A8D
Hyperscore=51.0065
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
y8++
y8++−H2O
y7++
y14++
y12++
y13++
b15++
b8
b8−NH3
b9−NH3
b10

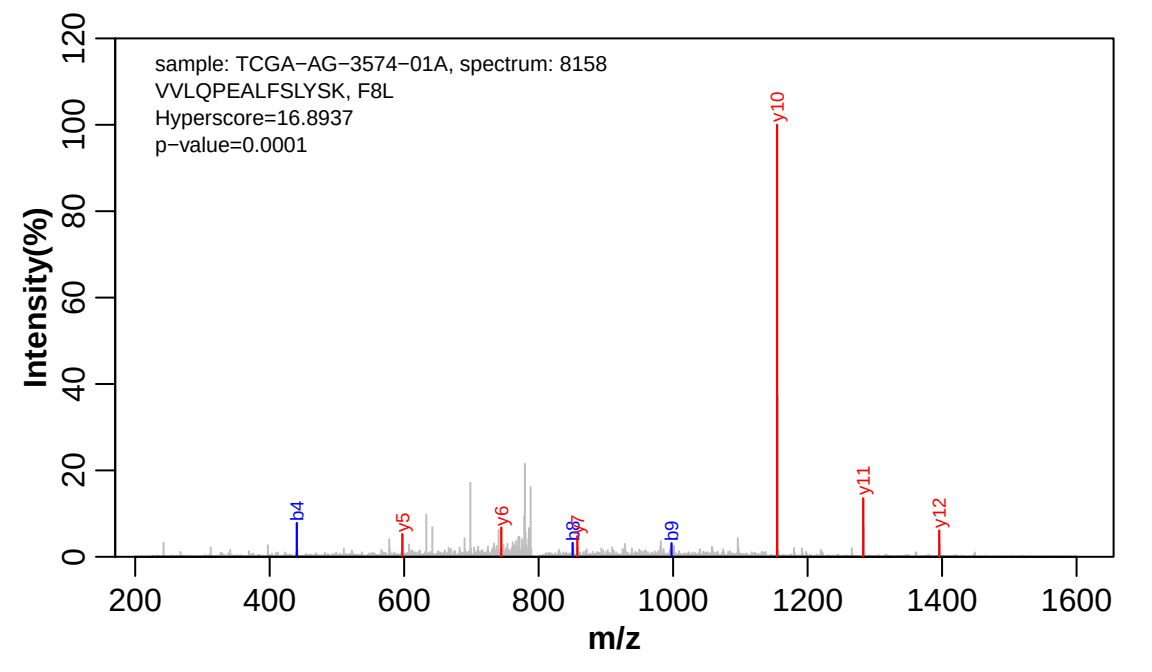

sample: TCGA−AG−3574−01A, spectrum: 54946
STESLQTNVQR, A7T
Hyperscore=36.0836
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
b4−H2O
y3
b4
b5−NH3
b5−H2O
b5
y4
y5−NH3
y5
b6
y6
b7
y7
b8−NH3
b8
y8
b9
b10

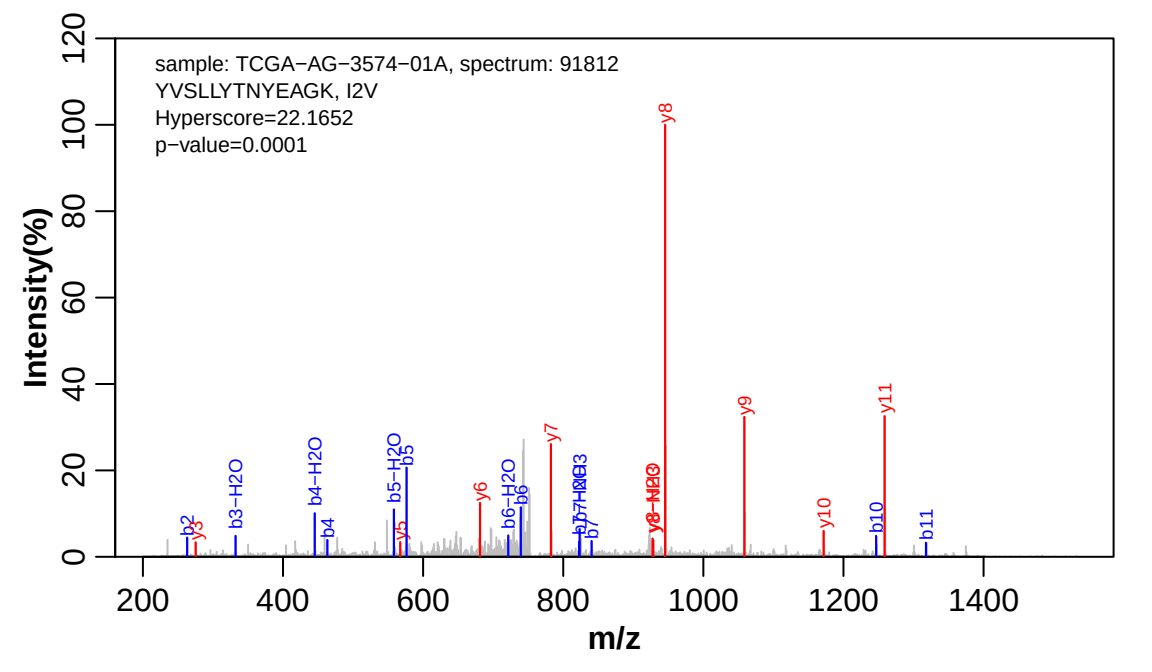

sample: TCGA−AG−3574−01A, spectrum: 59615
SVMDTTQLAGLNCLR, A5T
Hyperscore=36.8496
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y7
y4
y3
y5−NH3
y8−NH3
y9
y10−NH3
y12
b14−NH3

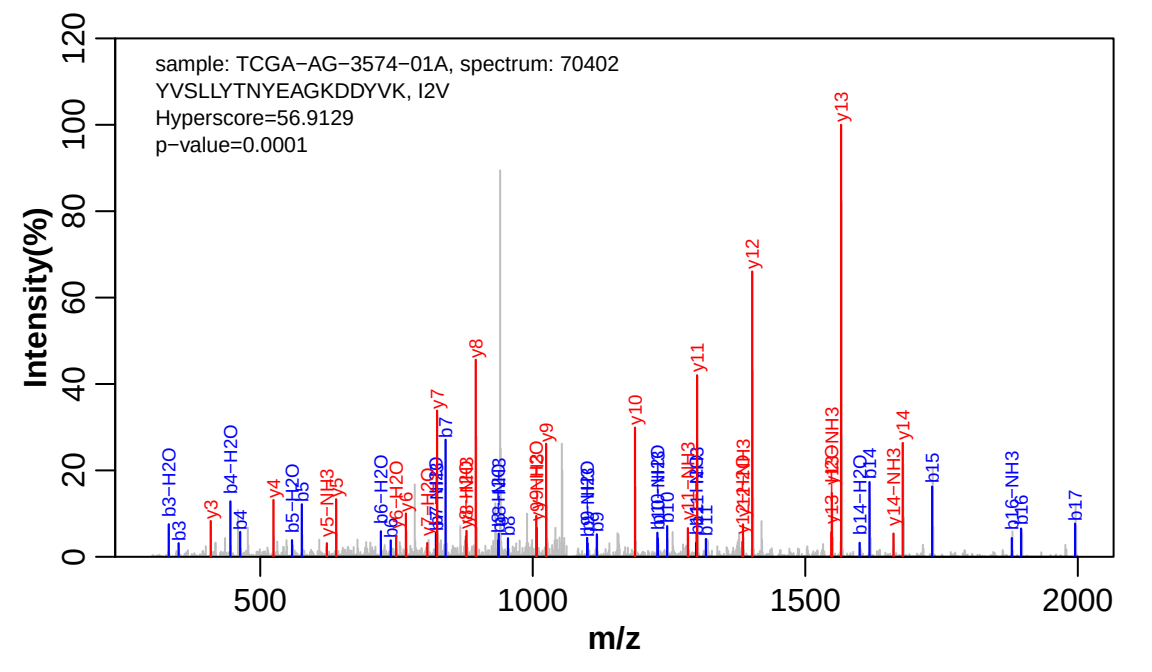

sample: TCGA−AG−3574−01A, spectrum: 66468
TYGQVSGEALK, D2Y
Hyperscore=23.3485
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b4
y5
b5
y6
b6
y7
b8−NH3
b8−H2O
y8
b10−H2O
b10
y9

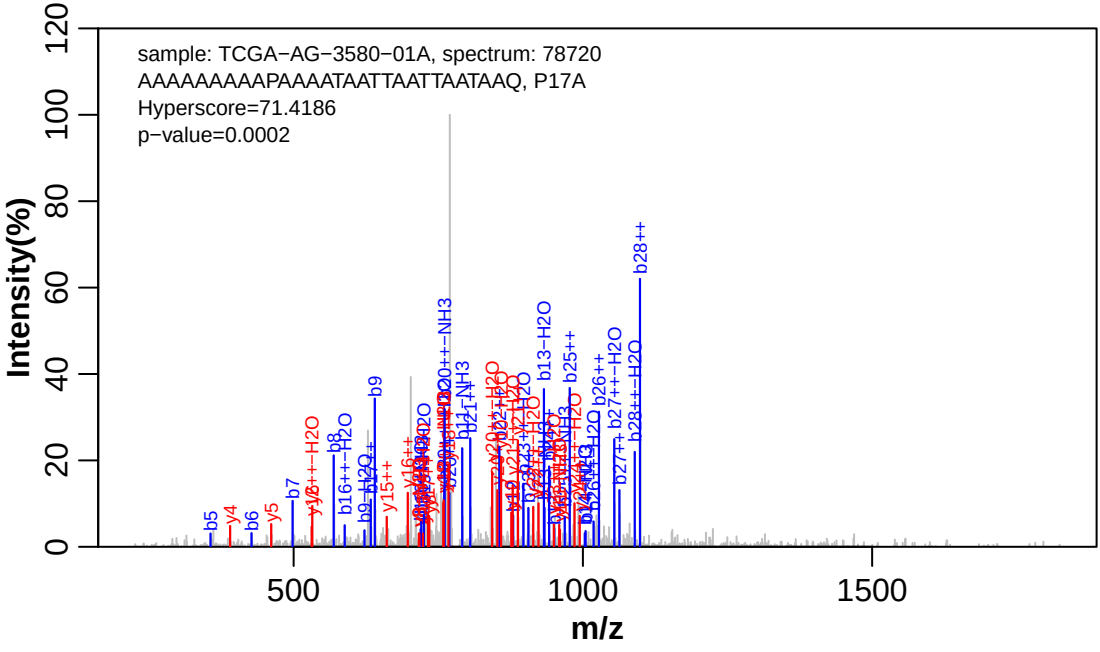

sample: TCGA−AG−3574−01A, spectrum: 137588
VPLASQGLGPGSTVLLVVDKCDEPLNLLVR, S26N
Hyperscore=64.8985
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b6
b14++−H2O
y11++
b16++−H2O
b8
b17++−H2O
b9
y7
y15++
y8
b11
y9
y19++
b22++
y21++
y22++−NH3
y10
y23++
y24++
y26++
y26++−H2O
b18−NH3

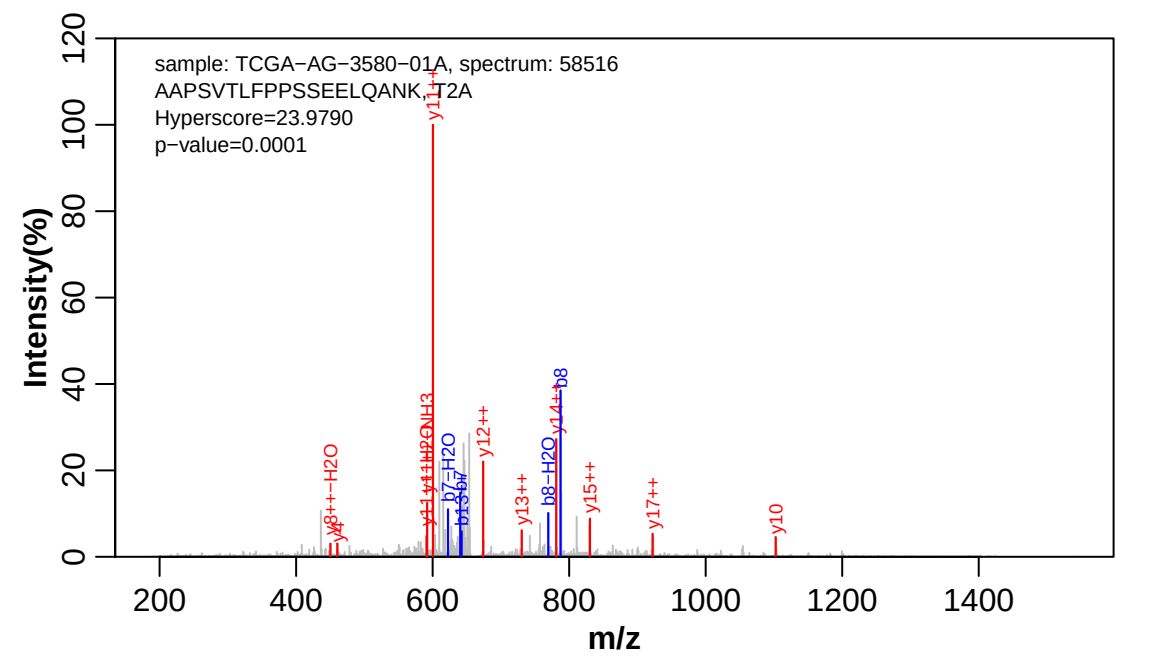

sample: TCGA−AG−3574−01A, spectrum: 64681
VPVTQATR, L3V
Hyperscore=17.1646
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
b4
y4
b5
y5
y6
y7

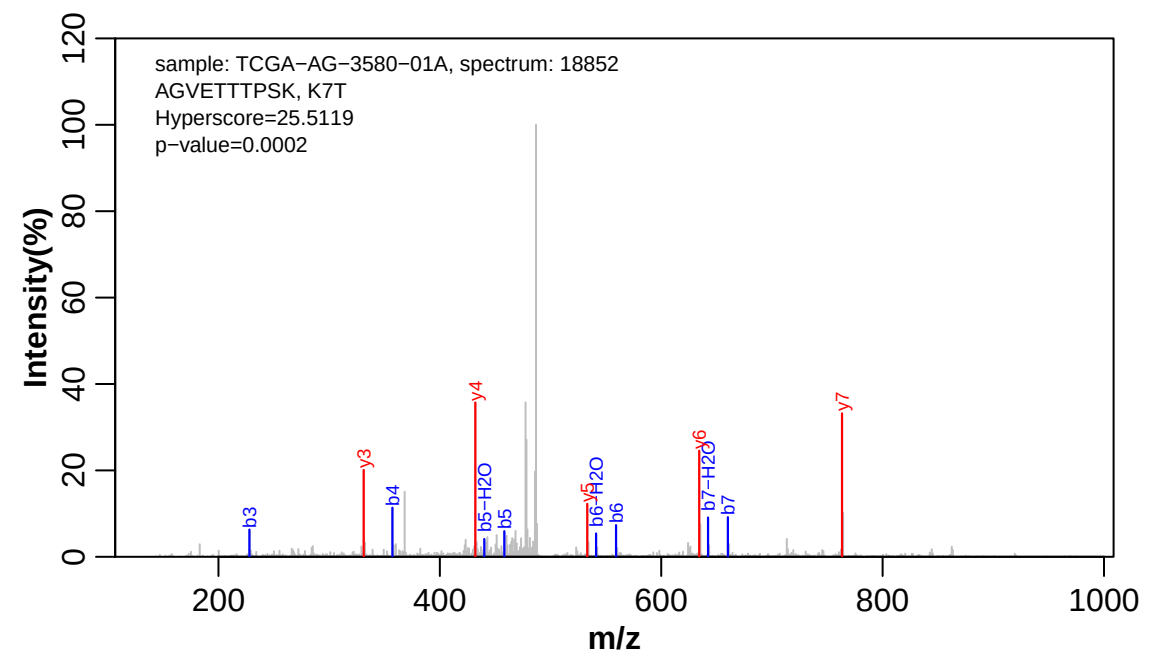

sample: TCGA−AG−3574−01A, spectrum: 8158
VVLQPEALFSLYSK, F8L
Hyperscore=16.8937
p−value=0.0001
Intensity(%)
m/z
b4
y5
y6
b8
y7
b9
y10
y11
y12

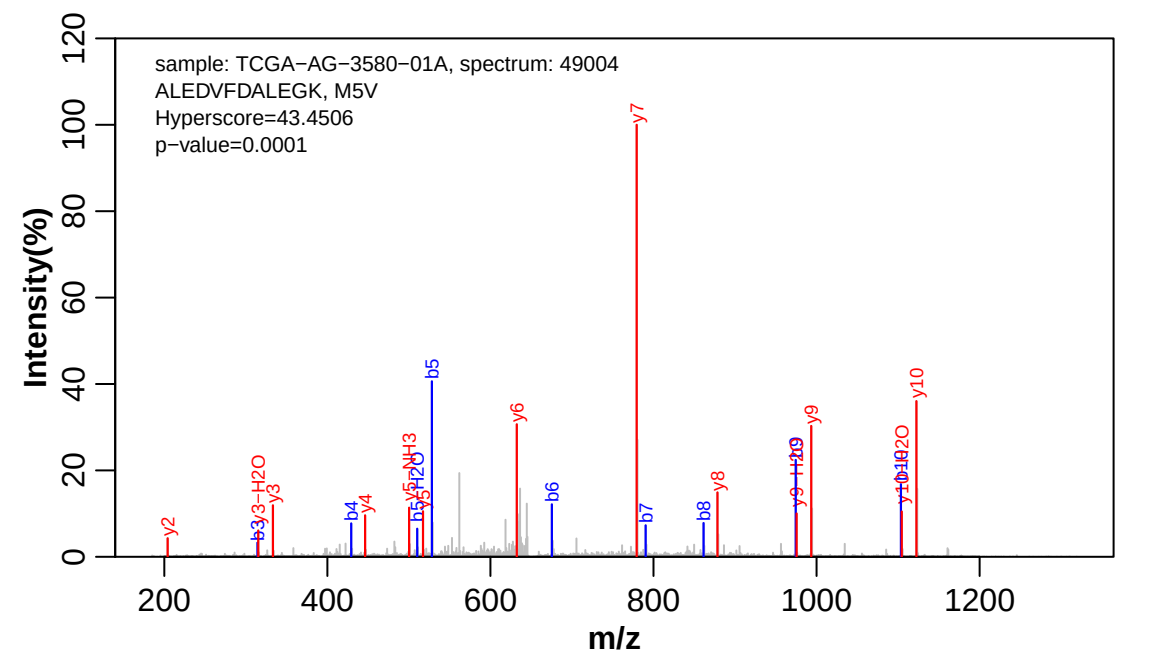

sample: TCGA−AG−3574−01A, spectrum: 91812
YVSLLYTNYEAGK, I2V
Hyperscore=22.1652
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
b3−H2O
b4
b4−H2O
y5
b5
b5−H2O
y6
b6
b6−H2O
y7
b7
y8
y9
y10
b10
y11
b11

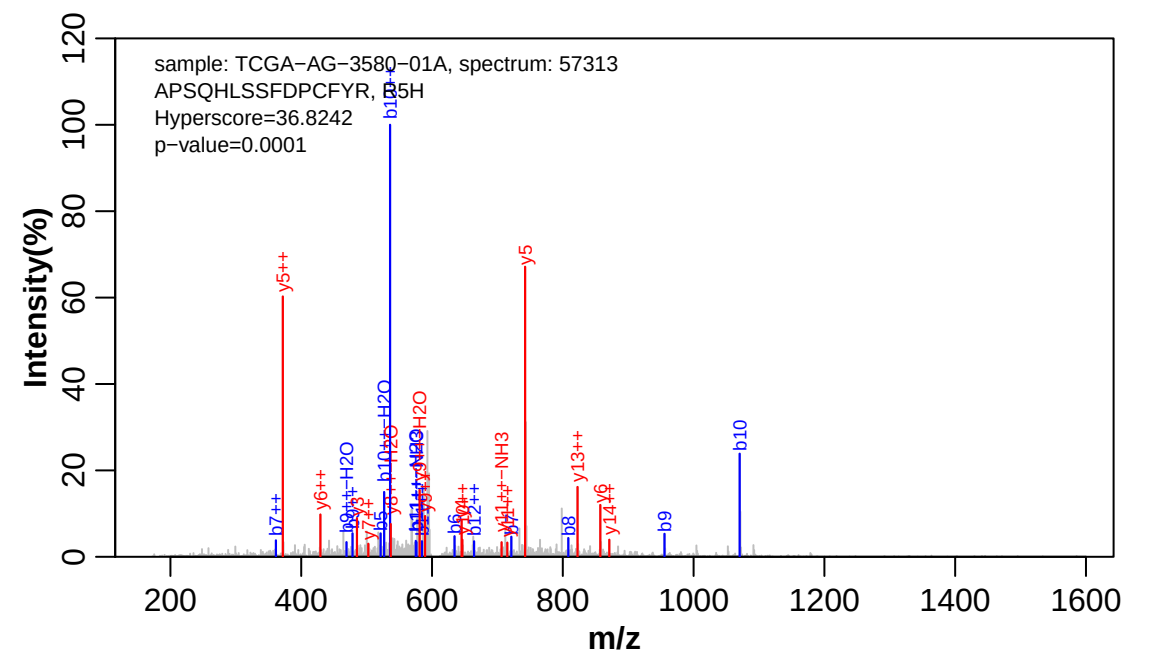

sample: TCGA−AG−3574−01A, spectrum: 70402
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=56.9129
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y13
y12
y11
y10
y9
y8
y7
y4
y3
b3−H2O
b3
b4−H2O
b4
b5−H2O
b5
b6−H2O
b6
b7
b8
b14−H2O
b14
b15
b16−NH3
b16
b17
y14
y14−NH3

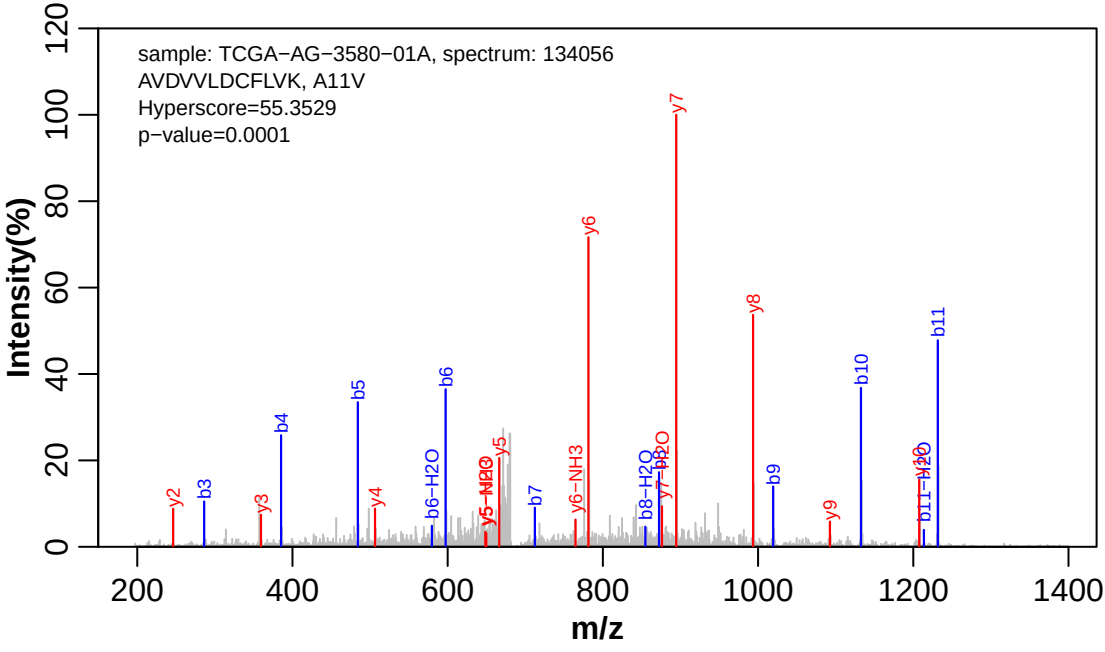

sample: TCGA−AG−3580−01A, spectrum: 78720
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=71.4186
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5
y4
b6
y5
b7
b8
b9
y15++
b21−NH3
b13−H2O
b25++
b26++
b27++−H2O
b28++
b28++−H2O

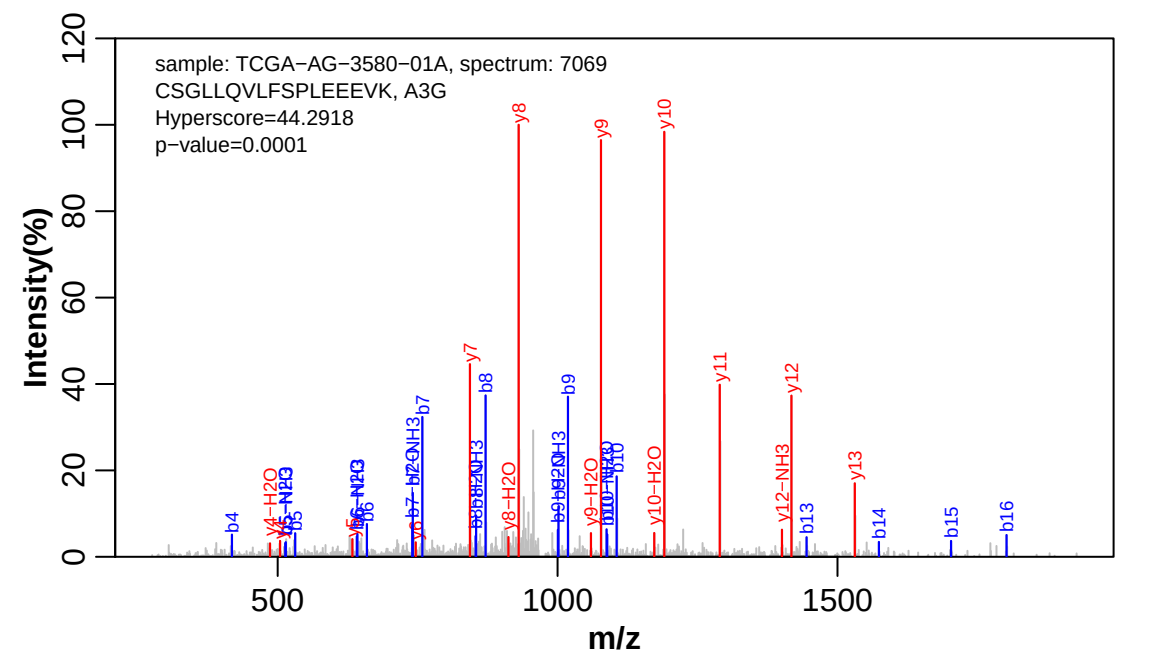

sample: TCGA−AG−3580−01A, spectrum: 58516
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=23.9790
p−value=0.0001
Intensity(%)
m/z
y11++
y11−H2O−NH3
y11
b7−H2O
b7
b13
y12++
y8++−H2O
y8
y13++
b8−H2O
y14++
b8
y15++
y17++
y10
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

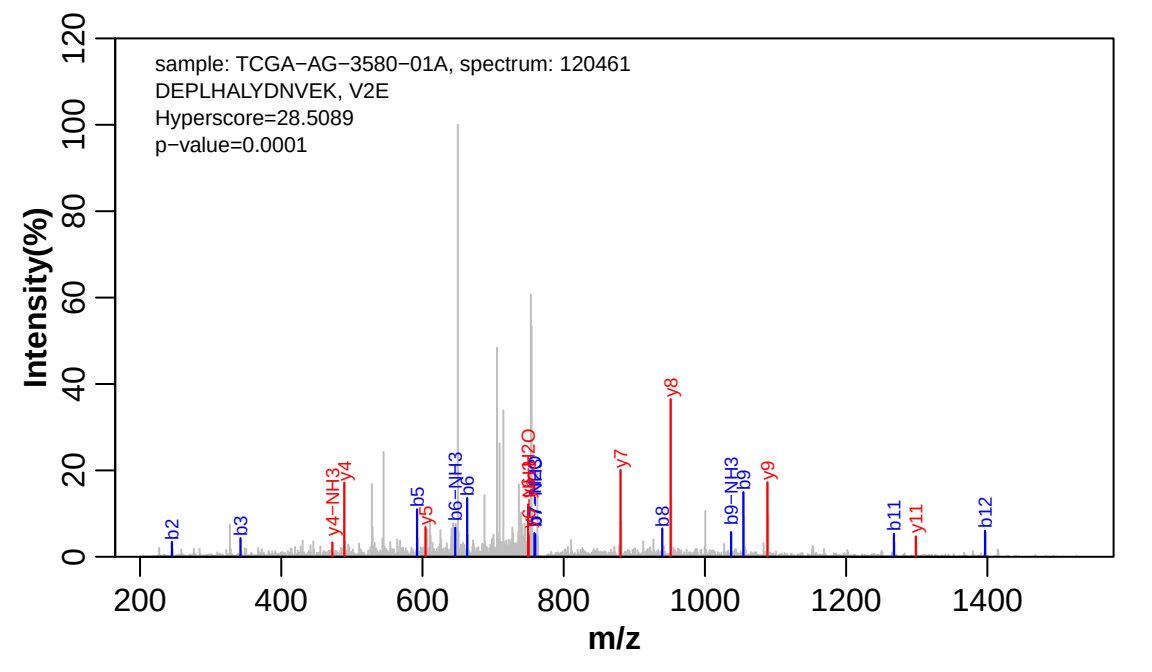

sample: TCGA−AG−3580−01A, spectrum: 18852
AGVETTTPSK, K7T
Hyperscore=25.5119
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7

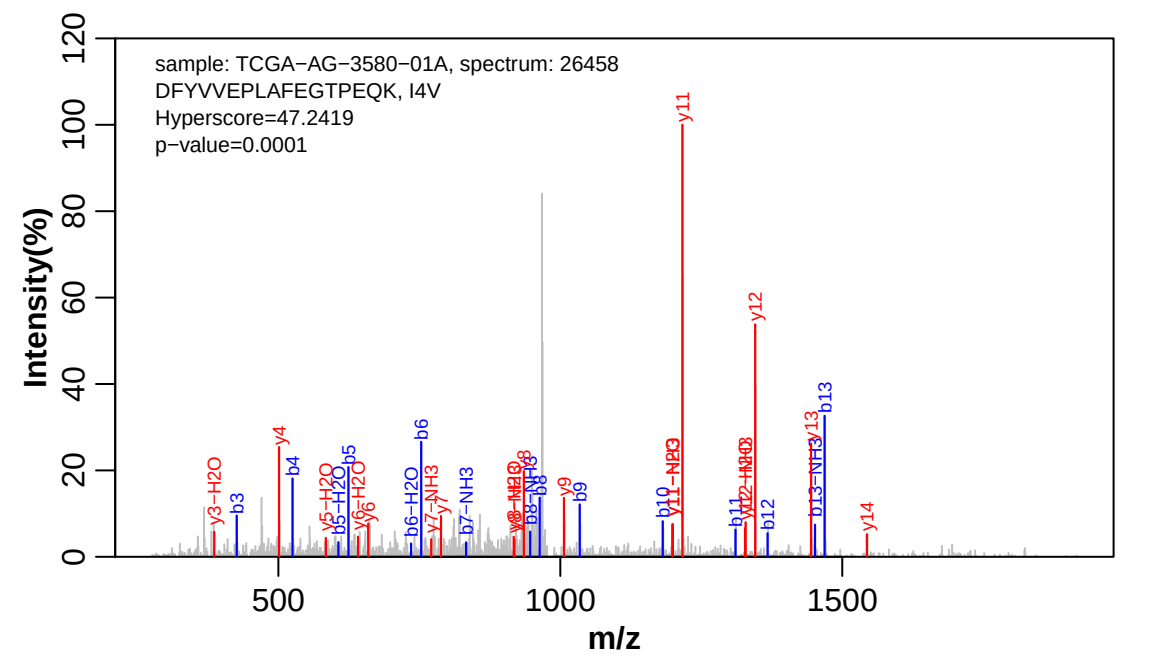

sample: TCGA−AG−3580−01A, spectrum: 49004
ALEDVFDALEGK, M5V
Hyperscore=43.4506
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4
y4
b5−NH3
b5−H2O
b5
y6
b6
y7
b7
b8
y8
y9−H2O
y9
y10−H2O
y10

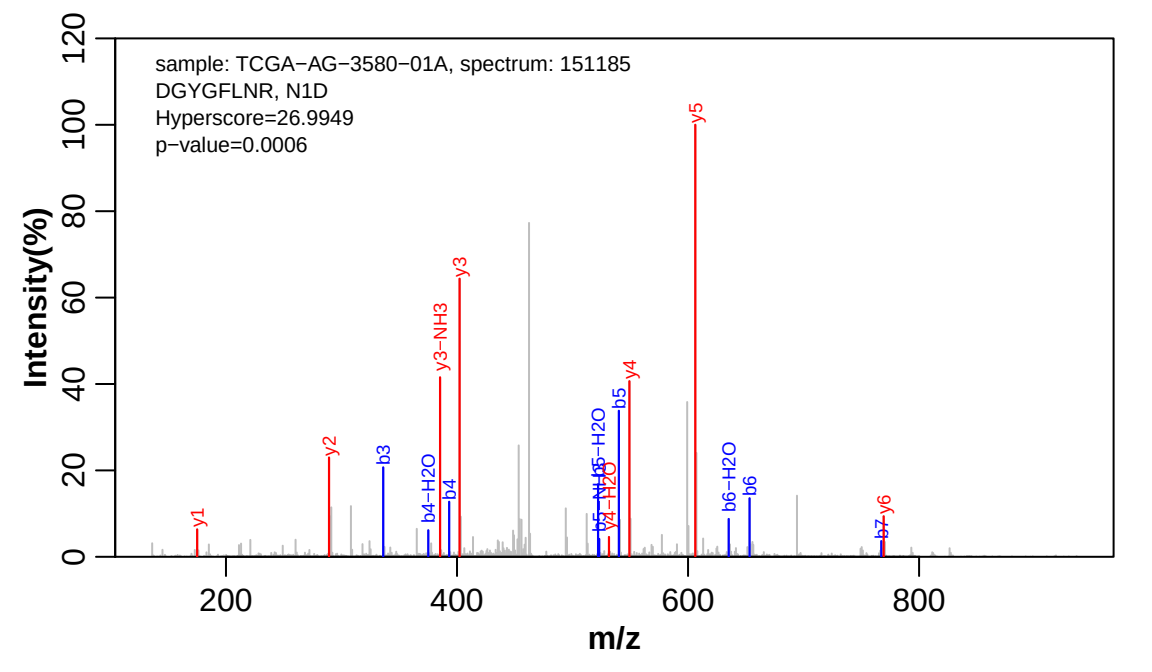

sample: TCGA−AG−3580−01A, spectrum: 57313
APSQHLSSFDPCFYR, B5H
Hyperscore=36.8242
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b1++
y5++
y5
b7++
y6++
b10++−H2O
b10++−NH3
b10++−H2O
y6++−H2O
y6++−NH3
y6++−H2O
b12++
y11++−NH3
y13++
y6
y14/6
b8
b9
b10

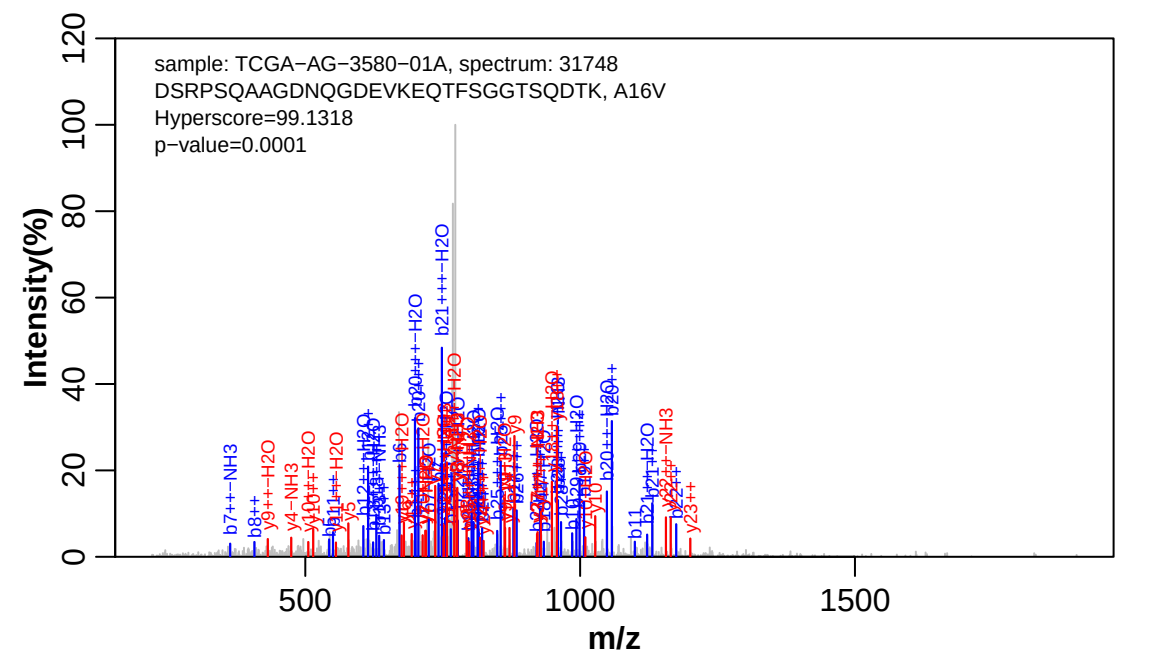

sample: TCGA−AG−3580−01A, spectrum: 134056
AVDVVLDCFLVK, A11V
Hyperscore=55.3529
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3
b4
y4
b5
b6
b6−H2O
y5
y6−NH3
b7
y6
b8−H2O
y7
y8
b9
y9
b10
b11
b11−H2O

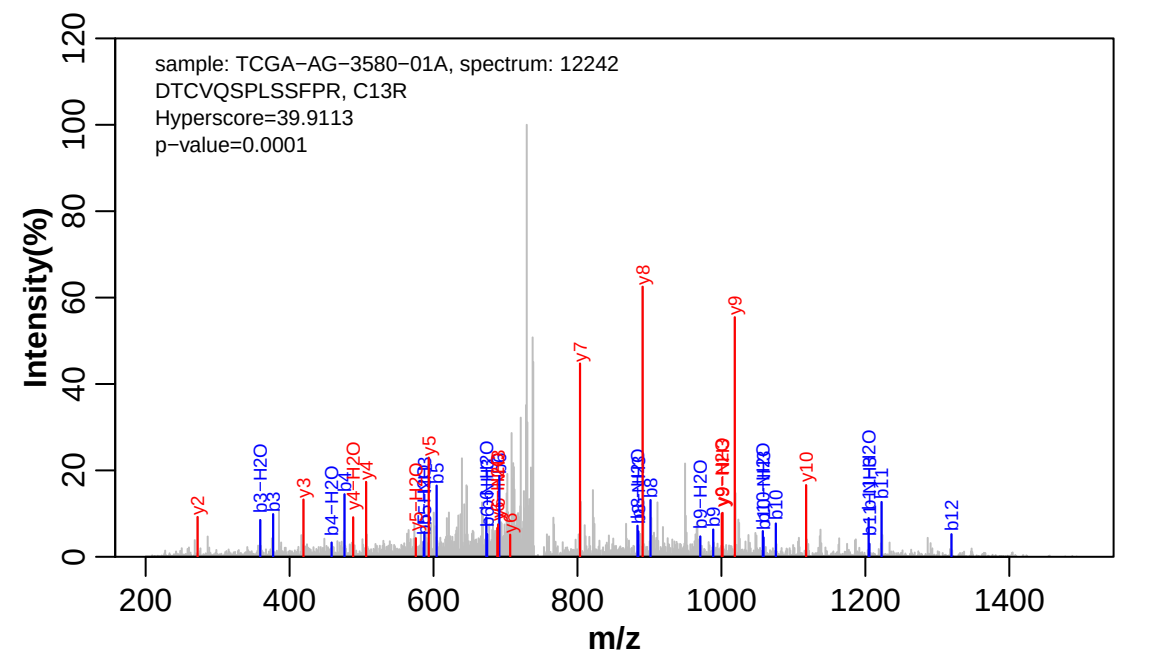

sample: TCGA−AG−3580−01A, spectrum: 7069
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=44.2918
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y4−H2O
b5
y5
b6
y6
y6−NH3
b7
y7
b8
y8
y8−H2O
b9
y9
y9−H2O
b10
y10
y10−H2O
y11
y12
y12−NH3
b13
y13
b14
b15
b16

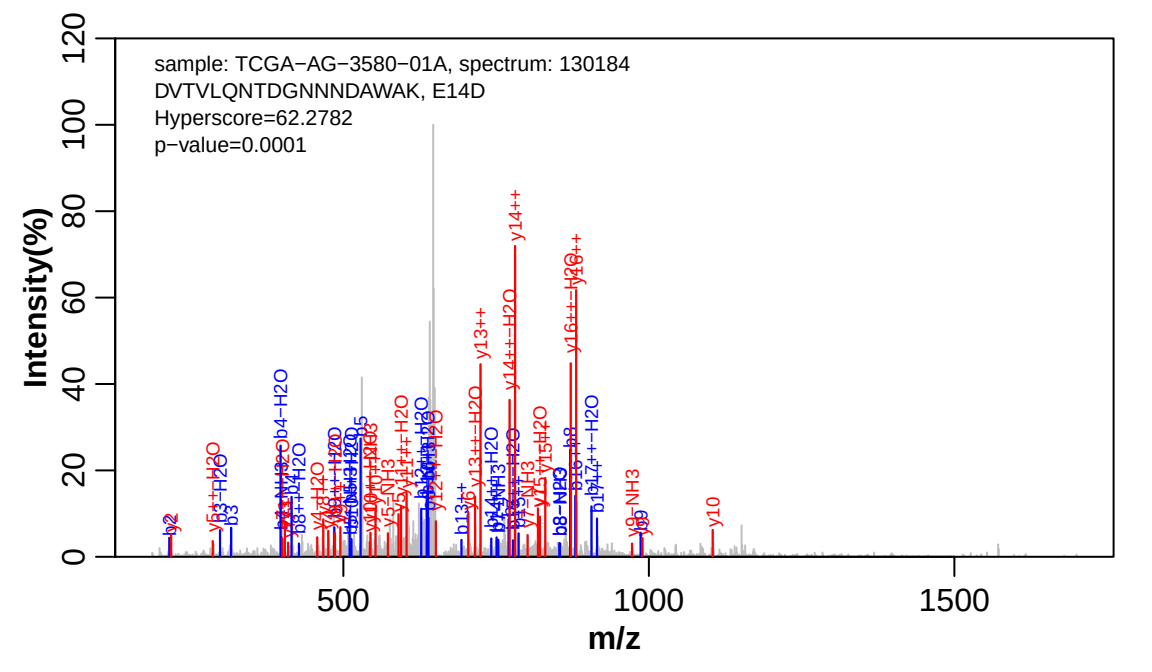

sample: TCGA−AG−3580−01A, spectrum: 120461
DEPLHALYDNVEK, V2E
Hyperscore=28.5089
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b3
y4−NH3
y4
b5
y5
b6−NH3
b6
y7
b8
y8
b9−NH3
b9
y9
b11
y11
b12

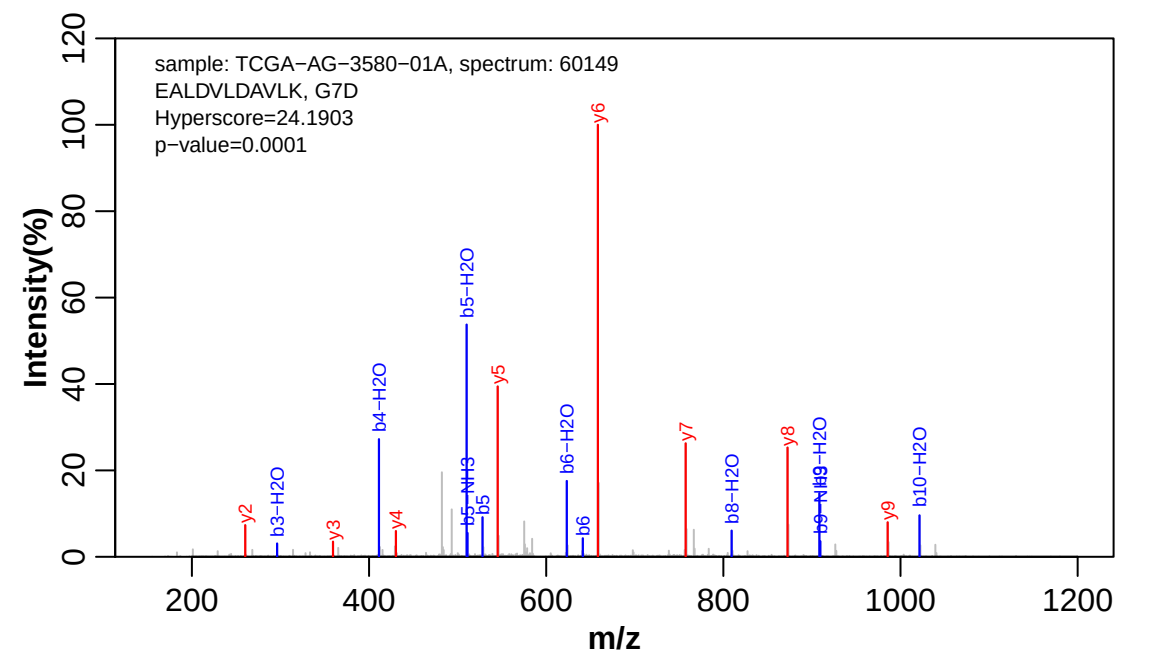

sample: TCGA−AG−3580−01A, spectrum: 26458
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=47.2419
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3−H2O
b3
y4
b4
y5−H2O
b5−H2O
b5
y6−H2O
y6
b6−H2O
b6
y7−NH3
y7
b7−NH3
y8−NH3
y8−H2O
b8−NH3
b8
y9
b9
y11
y11−NH3
b10
y12
y12−NH3
b11
b12
b13
b13−NH3
y13
y14

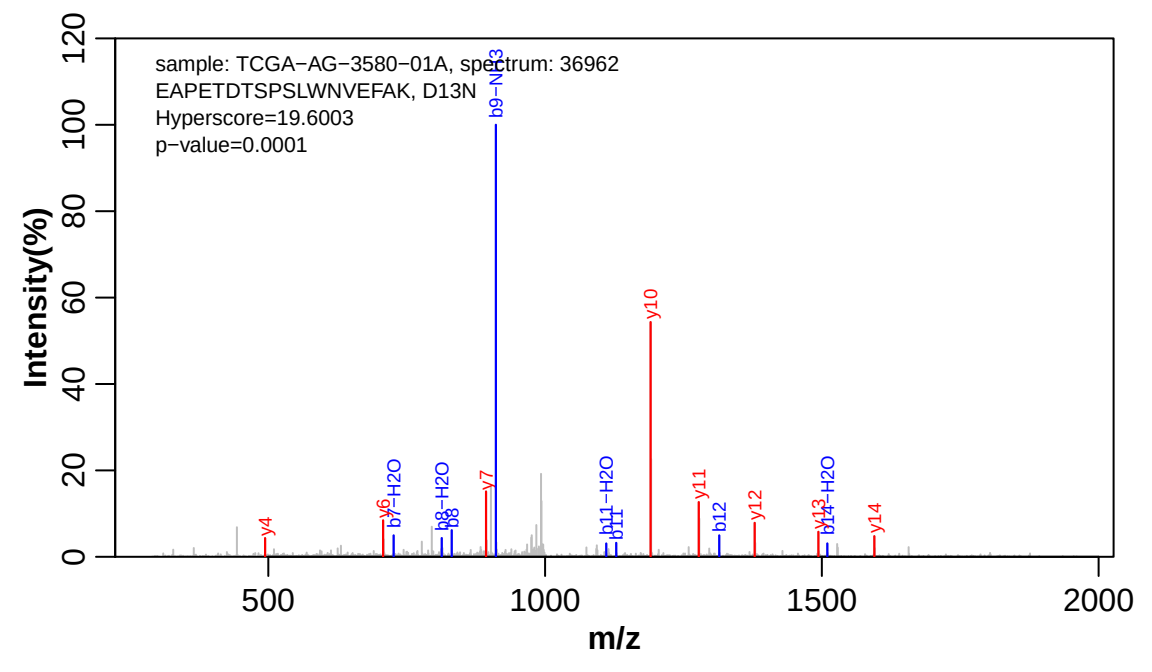

sample: TCGA−AG−3580−01A, spectrum: 151185
DGYGFLNR, N1D
Hyperscore=26.9949
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3
b4−H2O
b4
y3−NH3
y3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7−y6

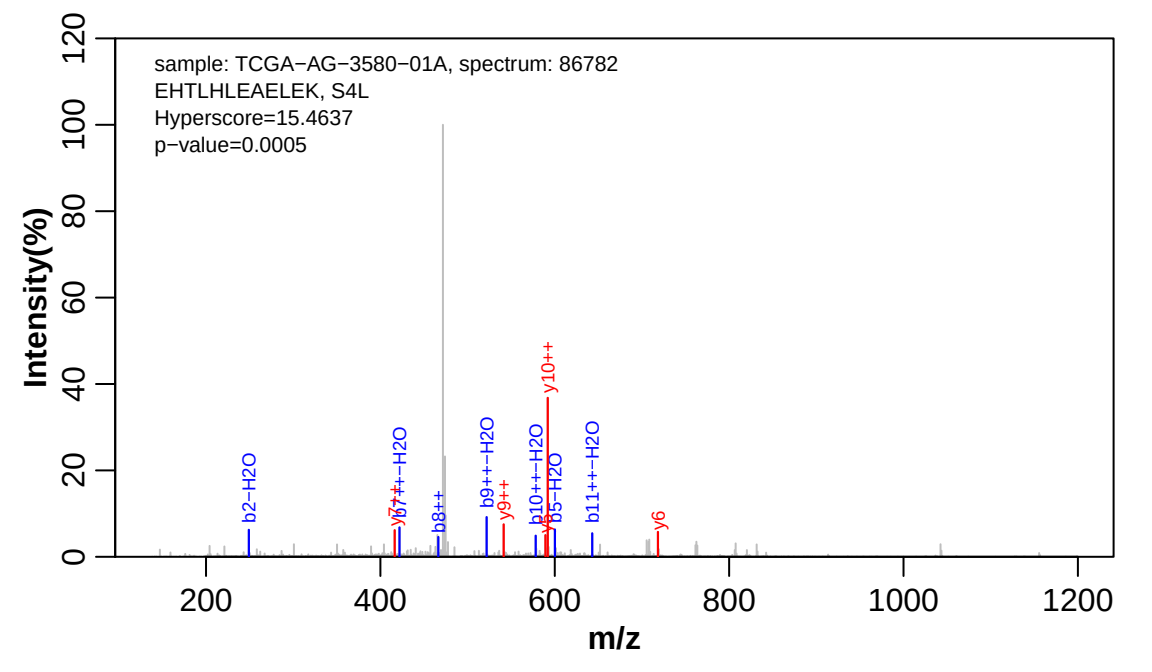

sample: TCGA−AG−3580−01A, spectrum: 31748
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=99.1318
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

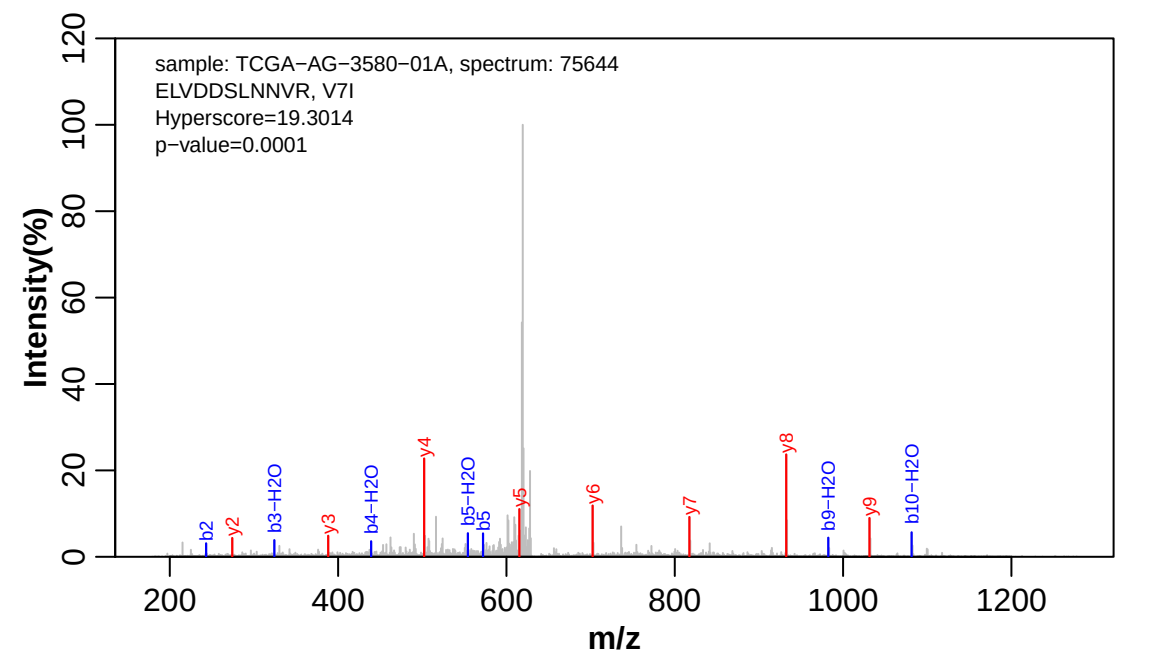

sample: TCGA−AG−3580−01A, spectrum: 12242
DTCVQSPLSSFPR, C13R
Hyperscore=39.9113
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−H2O
y4
y5
b5
y8
y7
y9
b8
b9−H2O
b9
y10
b10
b11
b12

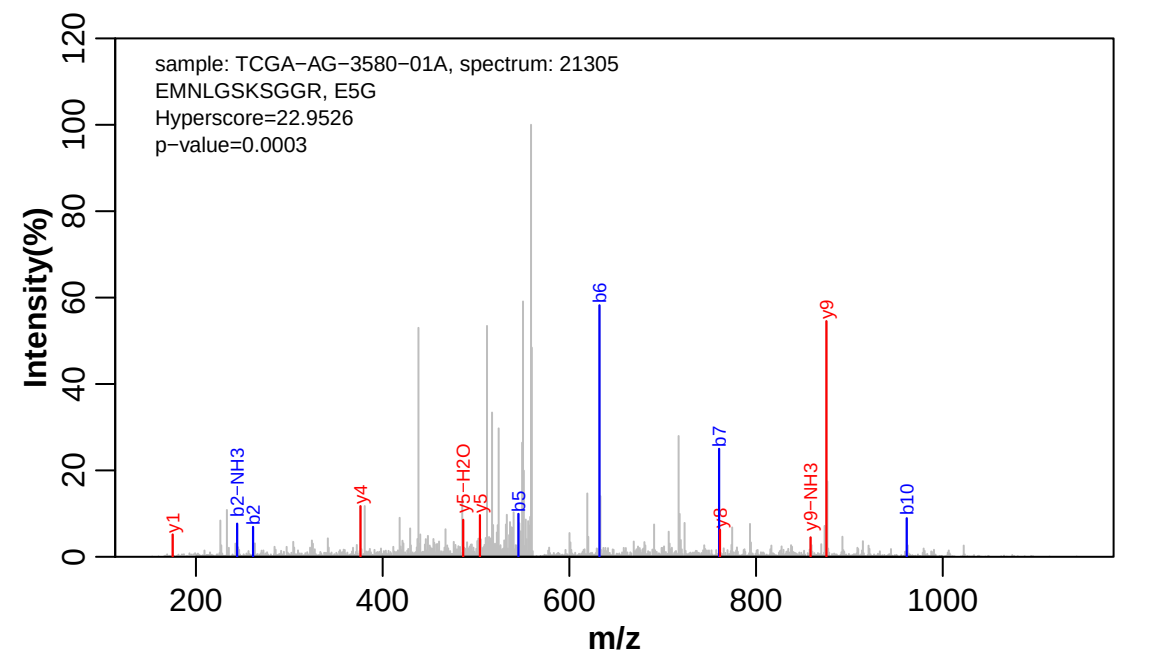

sample: TCGA−AG−3580−01A, spectrum: 130184
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=62.2782
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
y6++−H2O
y3++−H2O
b4−H2O
y13++
y14++
y14++−H2O
y16++
y16++−H2O
y10

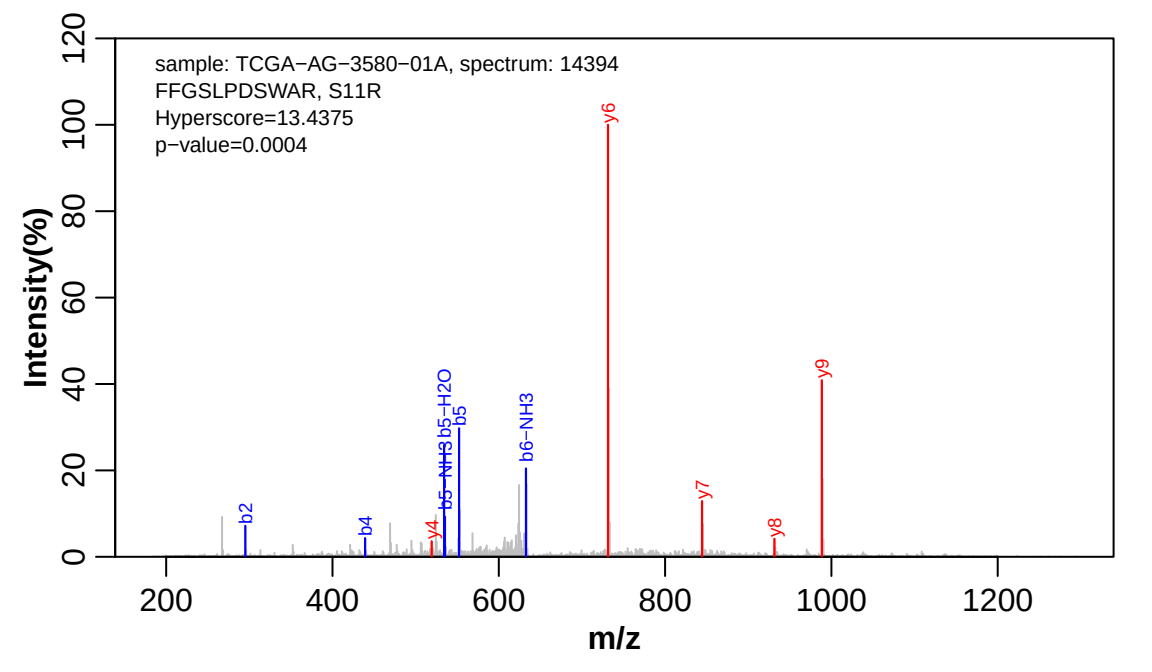

sample: TCGA−AG−3580−01A, spectrum: 60149
EALDVLDAVLK, G7D
Hyperscore=24.1903
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
y4
b5−H2O
b5−NH3
b5
y5
b6−H2O
b6
y6
y7
b8−H2O
y8
b9−NH3−H2O
y9
b10−H2O

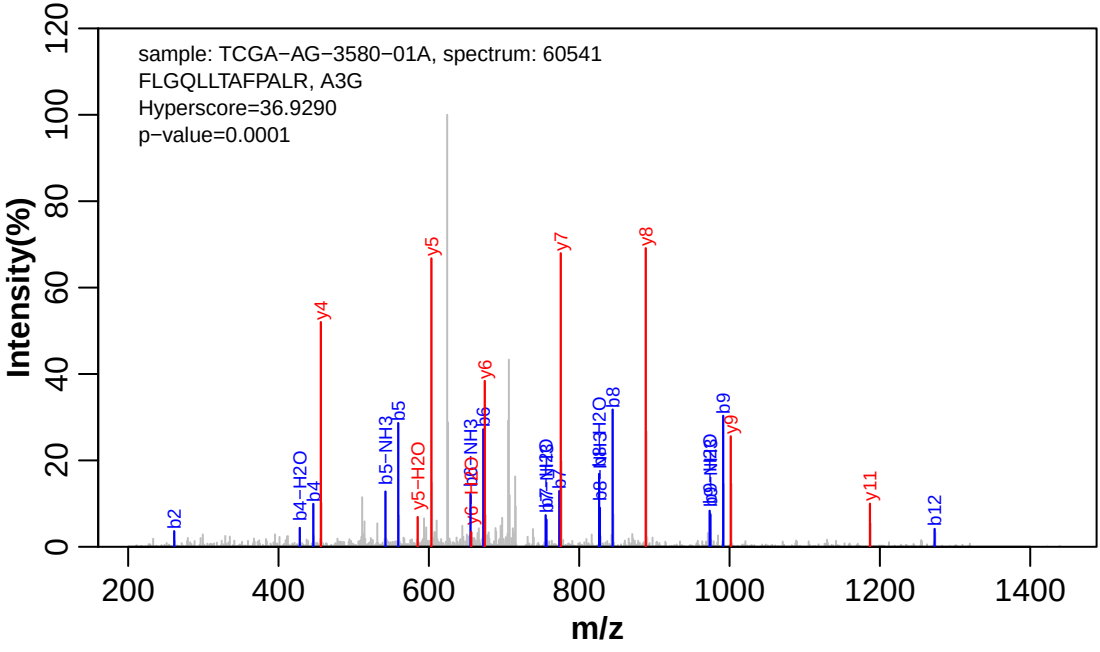

sample: TCGA−AG−3580−01A, spectrum: 36962
EAPETDTSPSLWNVEFAK, D13N
Hyperscore=19.6003
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9−NH3
y10
y4
y6
b7−H2O
b8−H2O
b8
y7
b11−H2O
b11
y11
b12
y12
y13
b14−H2O
y14

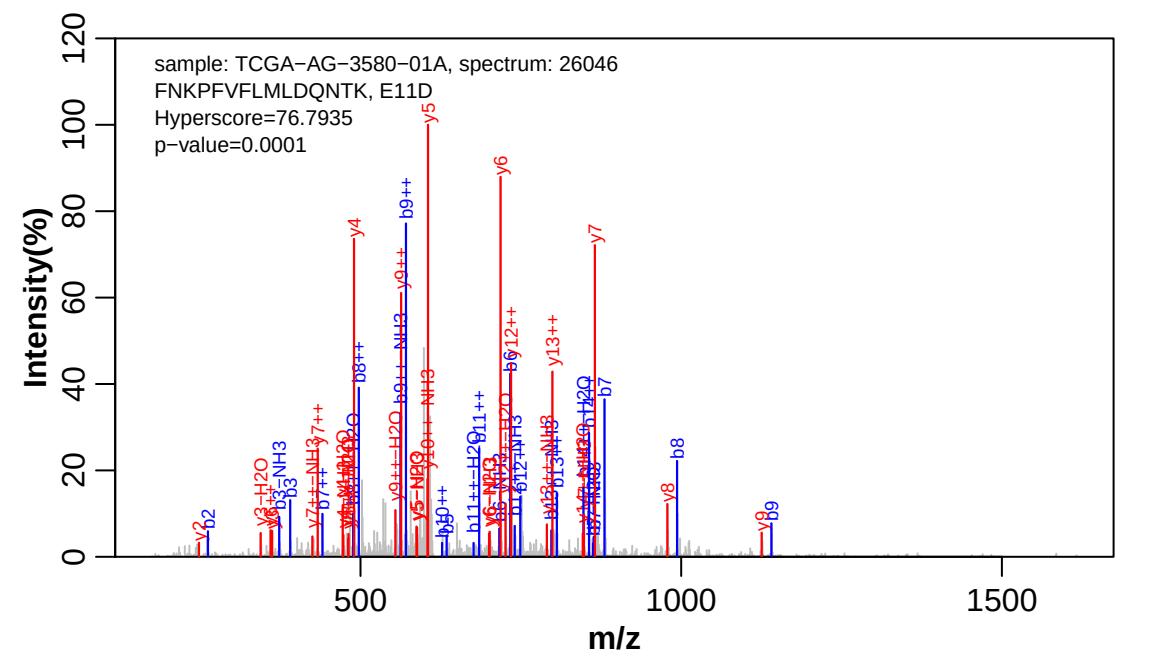

sample: TCGA−AG−3580−01A, spectrum: 86782
EHTLHLEAELEK, S4L
Hyperscore=15.4637
p−value=0.0005
Intensity(%)
m/z
b2−H2O
y7++
y7++−H2O
b8++
b9++−H2O
y9++
y10++
b10++−H2O
y8−H2O
b11++−H2O
y6

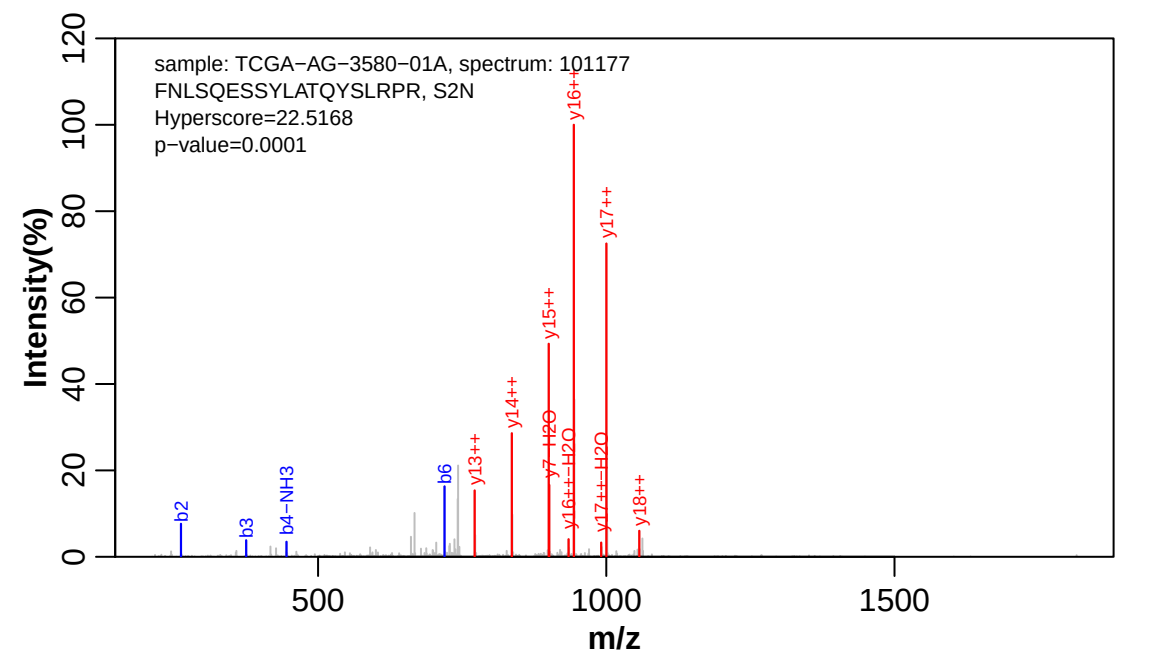

sample: TCGA−AG−3580−01A, spectrum: 75644
ELVDDSLNNVR, V7I
Hyperscore=19.3014
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
y2
b3−H2O
y3
b4−H2O
y4
b5−H2O
b5
y5
y6
y7
y8
b9−H2O
y9
b10−H2O

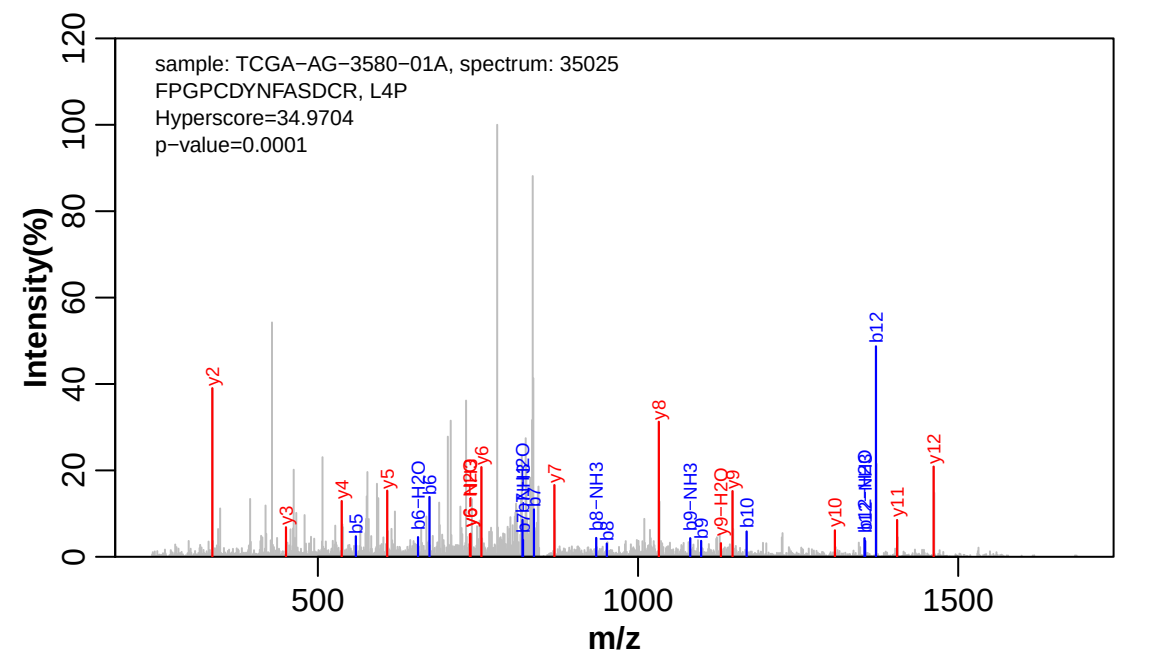

sample: TCGA−AG−3580−01A, spectrum: 21305
EMNLGSKSGGR, E5G
Hyperscore=22.9526
p−value=0.0003
Intensity(%)
m/z
y1
b2−NH3
b2
y4
y5−H2O
y5
b5
b6
y8
b7
y9−NH3
y9
b10

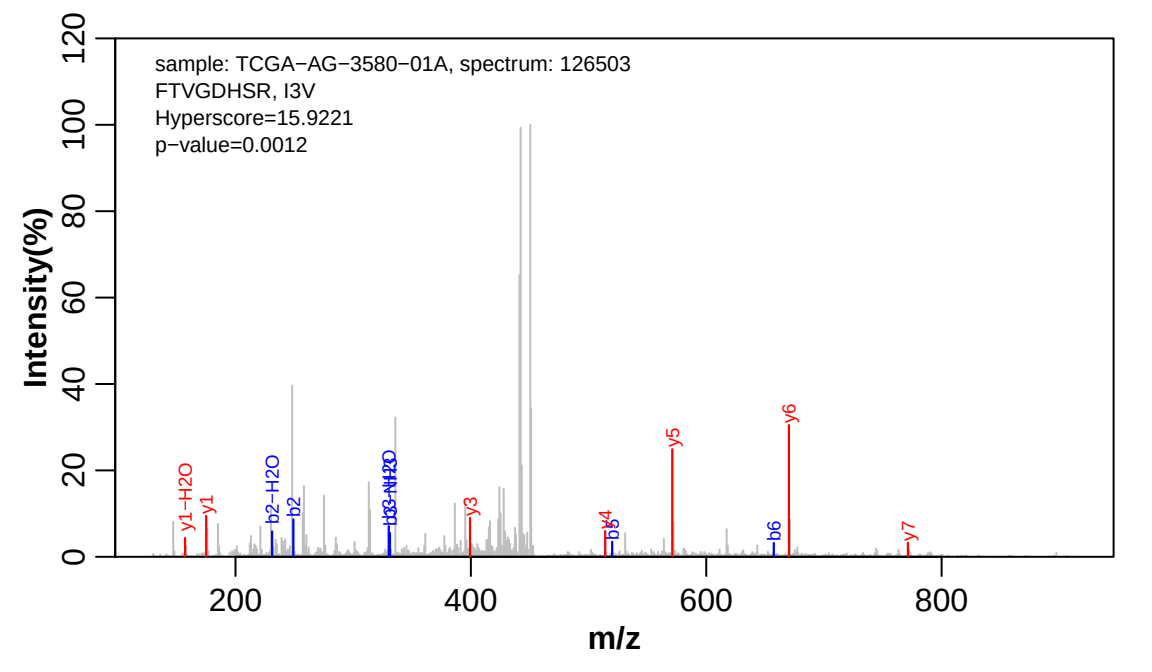

sample: TCGA−AG−3580−01A, spectrum: 14394
FFGSLPDSWAR, S11R
Hyperscore=13.4375
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

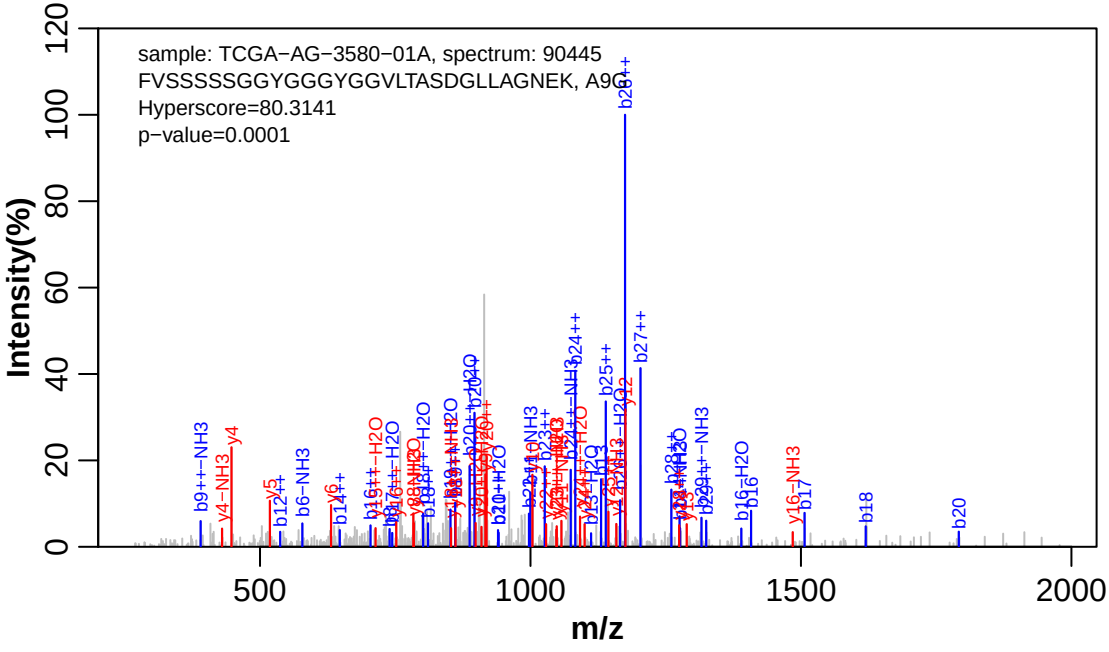

sample: TCGA−AG−3580−01A, spectrum: 60541
FLGQLLTAFPALR, A3G
Hyperscore=36.9290
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b4−H2O
b4
y4
b5−NH3
b5
y5−H2O
y5
y6
b8−H2O
b8
y9
y11
b12

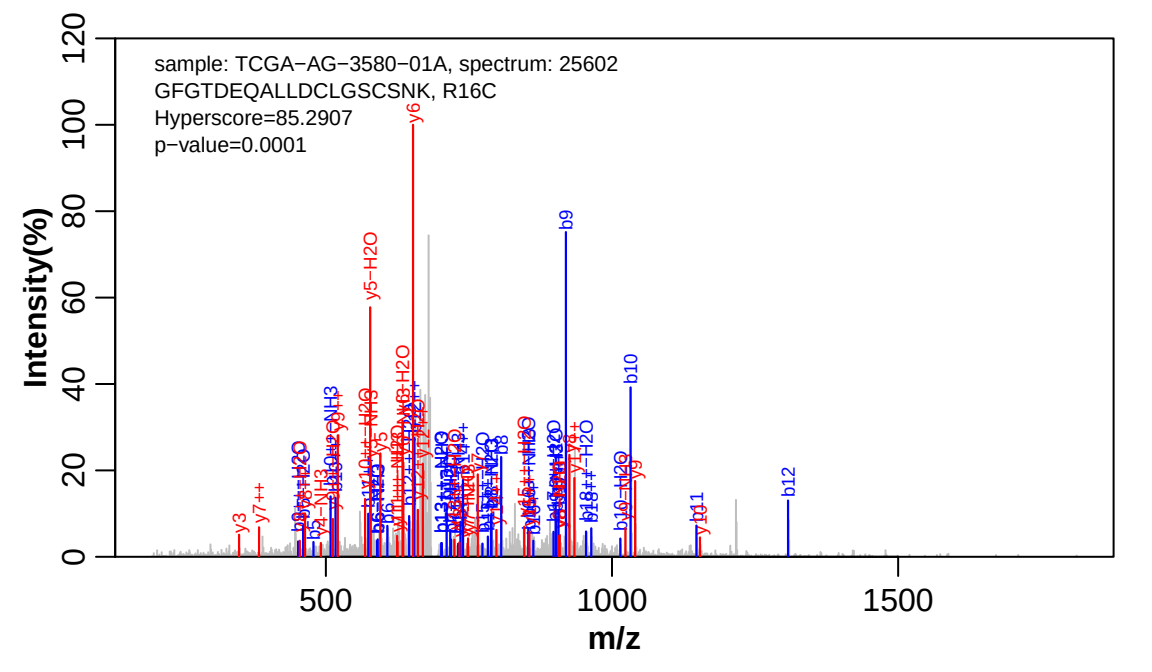

sample: TCGA−AG−3580−01A, spectrum: 26046
FNKPFVFLMLDQNTK, E11D
Hyperscore=76.7935
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
y6
y4
y7
b9++
y9++
b8++
y13++
b12++
b7
b8
y8
b9
y2
b2
b3
y3−H2O
y3−NH3
y7++
y7++−NH3
y9++−H2O
y9++−NH3
y5−NH3
y10++−NH3
b9++
b11++−H2O
b11++−NH3
y6−NH3
b12++−H2O
b12++−NH3
b13++−NH3
y12++−NH3
y12++−H2O
b7−H2O
b7−NH3

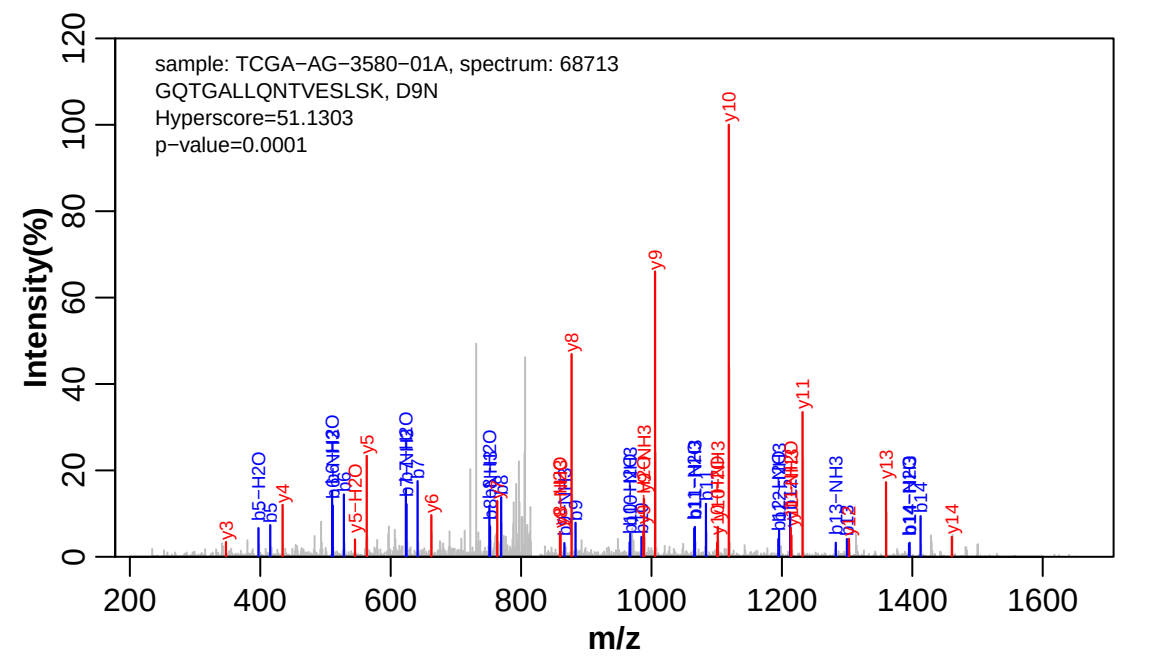

sample: TCGA−AG−3580−01A, spectrum: 101177
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=22.5168
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
b3
b4−NH3
b6
y13++
y14++
y7−H2O
y15++
y16++−H2O
y16++
y17++−H2O
y17++
y18++

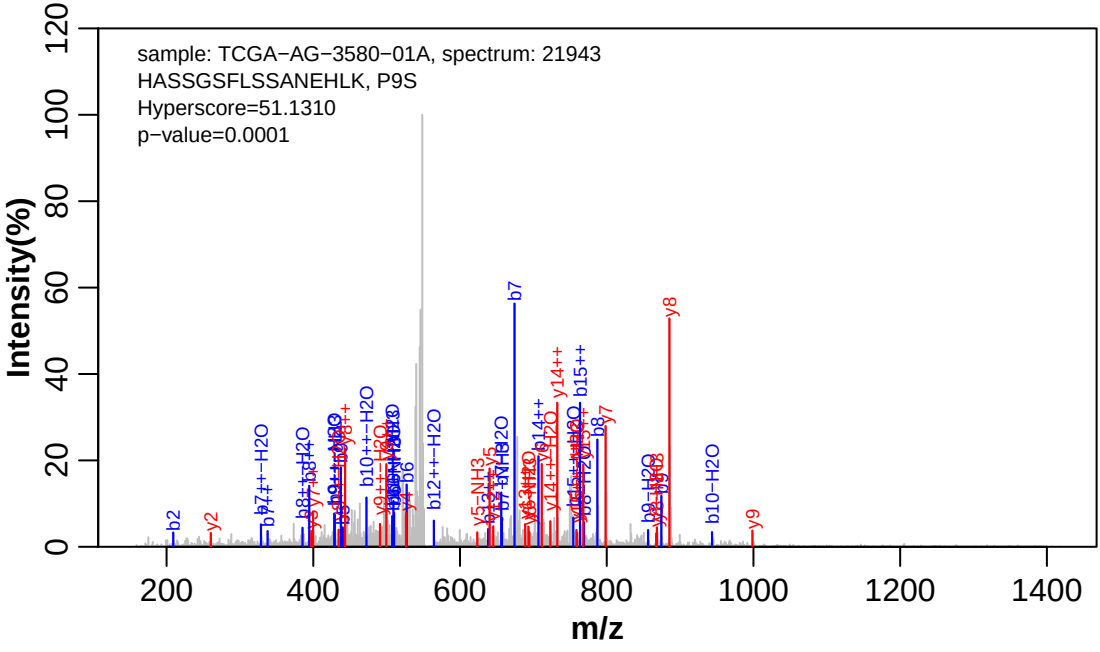

sample: TCGA−AG−3580−01A, spectrum: 35025
FPGPCDYNFASDCR, L4P
Hyperscore=34.9704
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y3
y4
b5
y5
b6−H2O
b6
y6−NH3
y6
b7−NH3
b7−H2O
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9−H2O
y9
b10
y10
b12−NH3
b12−H2O
b12
y11
y12

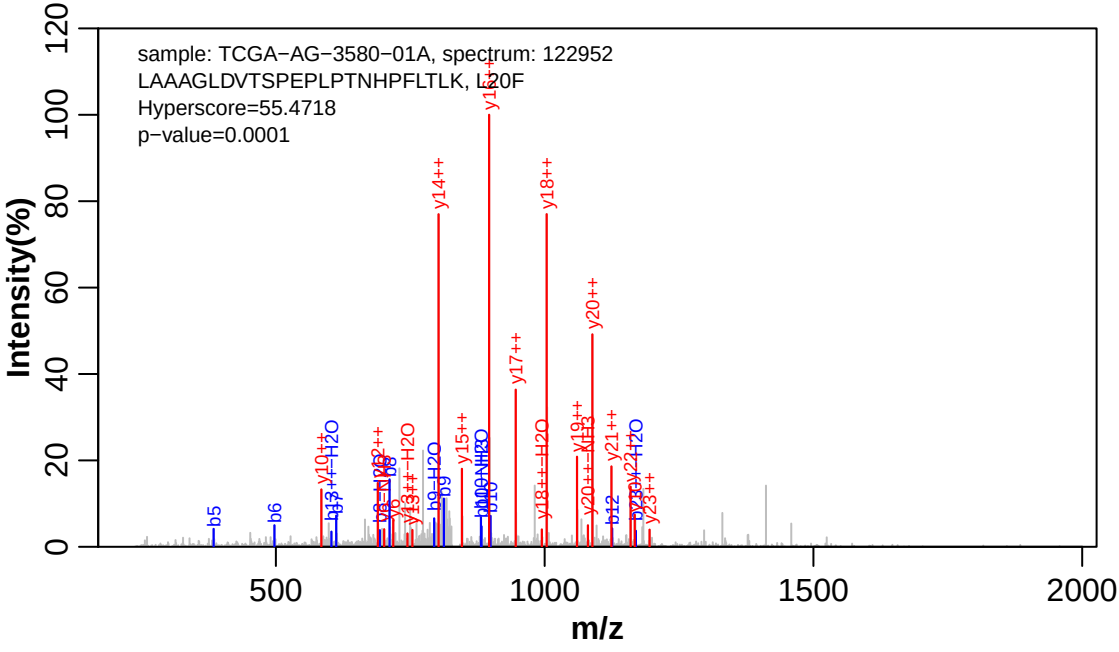

sample: TCGA−AG−3580−01A, spectrum: 126503
FTVGDHSR, I3V
Hyperscore=15.9221
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−H2O
y1
b2−H2O
b2
b3−NH3
b3−H2O
y3
b4
y4
y5
b6
y6
y7

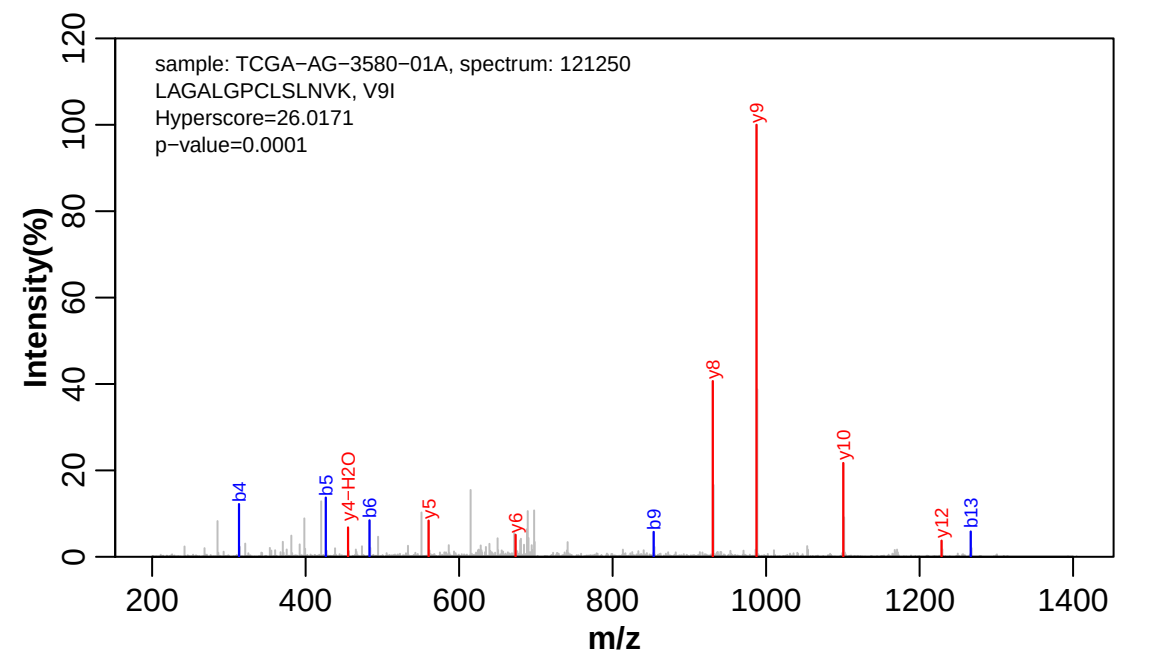

sample: TCGA−AG−3580−01A, spectrum: 90445
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=80.3141
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4−NH3
y4
b12++
y5
b6−NH3
b14++
y6
b16++−H2O
b16++
b17++−H2O
b17++
b18++−H2O
b18++
b19++−NH3
b19++
b20++−H2O
b20++
b20++
b21++−H2O
b21++
b22++−NH3
b22++
b24++−NH3
b24++
b25++
b26++
b27++
y22
b20++−H2O
b16++−H2O
b16++
b16−H2O
b16
y16−NH3
b17
b18
b20

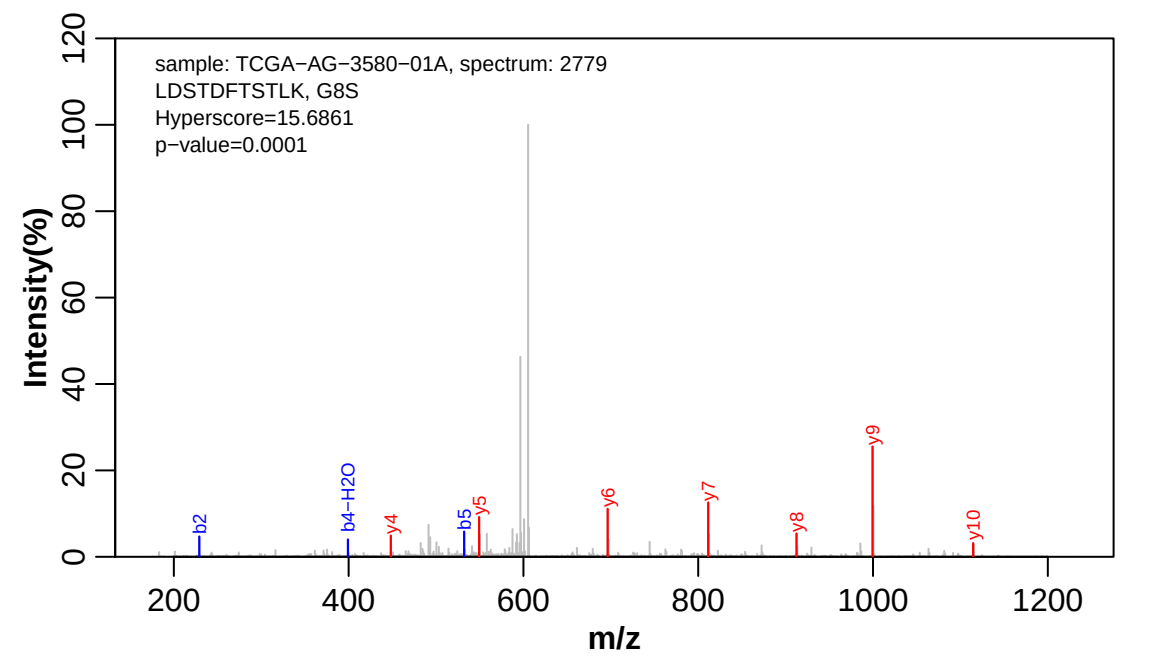

sample: TCGA−AG−3580−01A, spectrum: 25602
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=85.2907
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y3
y7++
y11
y10

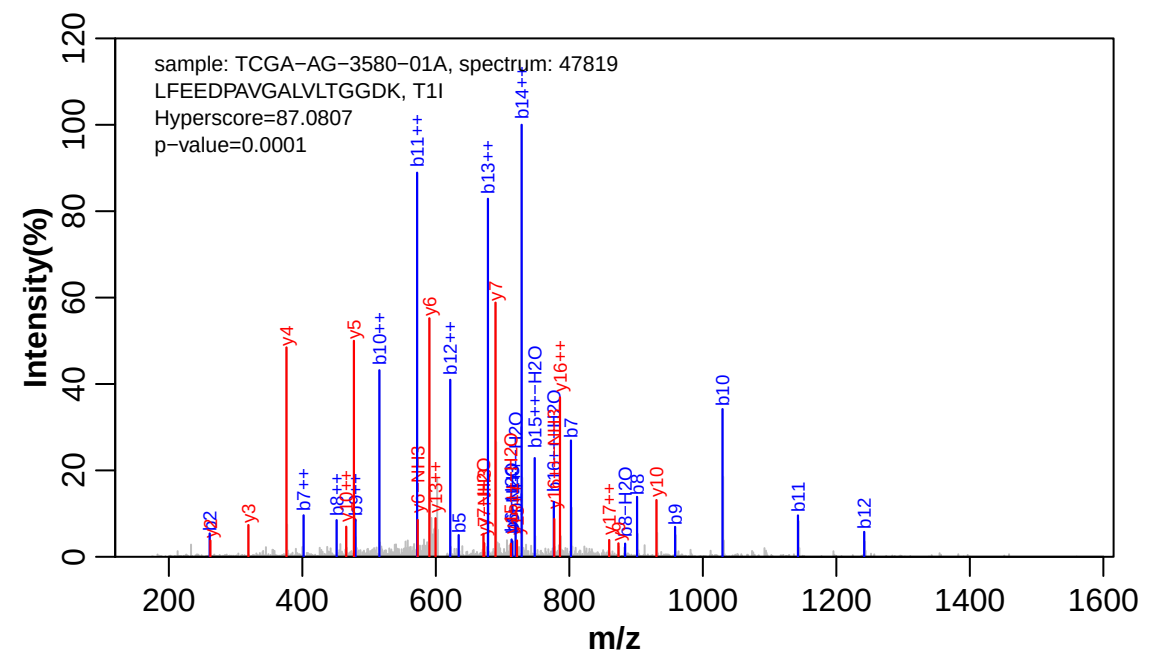

sample: TCGA−AG−3580−01A, spectrum: 68713
GQTGALLQNTVESLSK, D9N
Hyperscore=51.1303
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
y5
y6
y4
y3
b5
b6
b7
b8
b9
b11
b13
b14
b5−H2O
b6−NH3
b6−H2O
b7−NH3
b7−H2O
y5−H2O
b11−NH3
b13−NH3

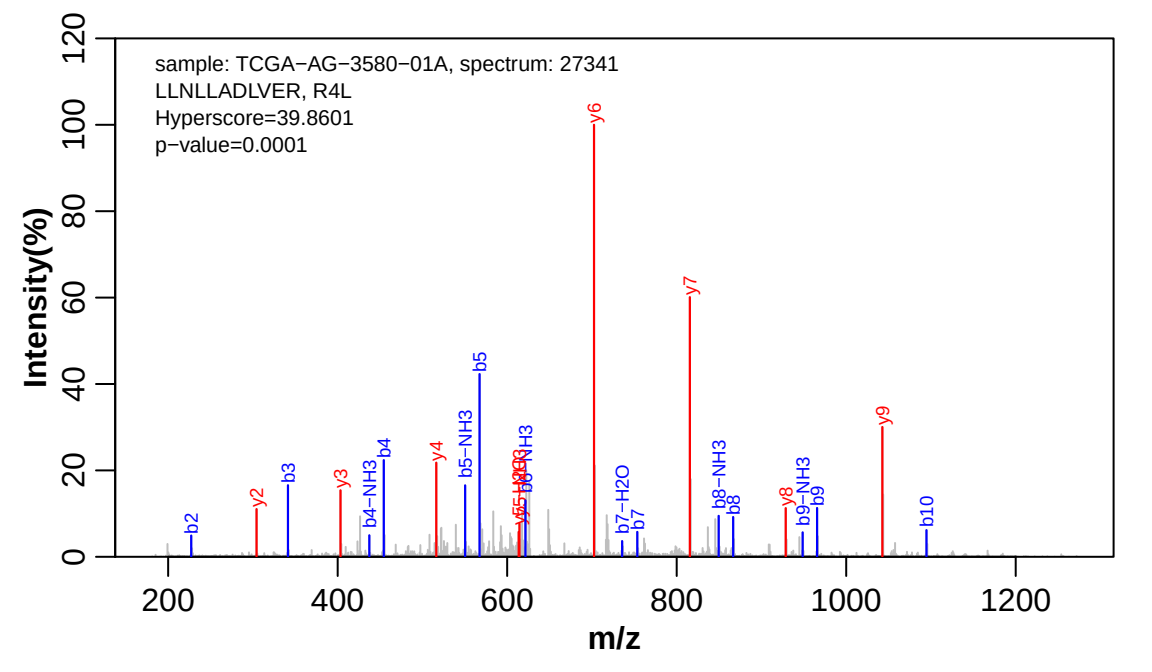

sample: TCGA−AG−3580−01A, spectrum: 21943
HASSGSFLSSANEHLK, P9S
Hyperscore=51.1310
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b7++−H2O
b8++−H2O
b10++−H2O
b12++−H2O
b7
y8
y7
b15++
y14++
b14++
b10−H2O
y9

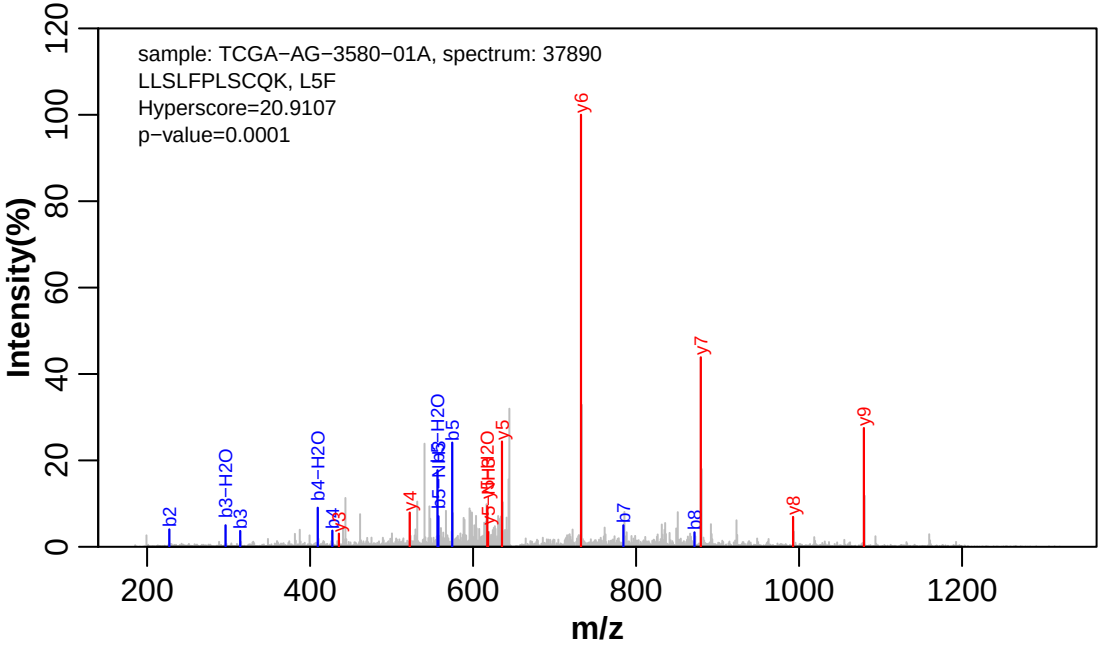

sample: TCGA−AG−3580−01A, spectrum: 122952
LAAAGLDVTSPEPLPTNHPFLTLK, F20F
Hyperscore=55.4718
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y16++
y14++
y18++
y17++
y20++
y15++
y19++
y21++
y18++ −H2O
y20++ −NH3
y13++ −H2O
y10++ −H2O
b13++ −H2O
b9−H2O
b10−NH3
b12
y23++
b5
b6

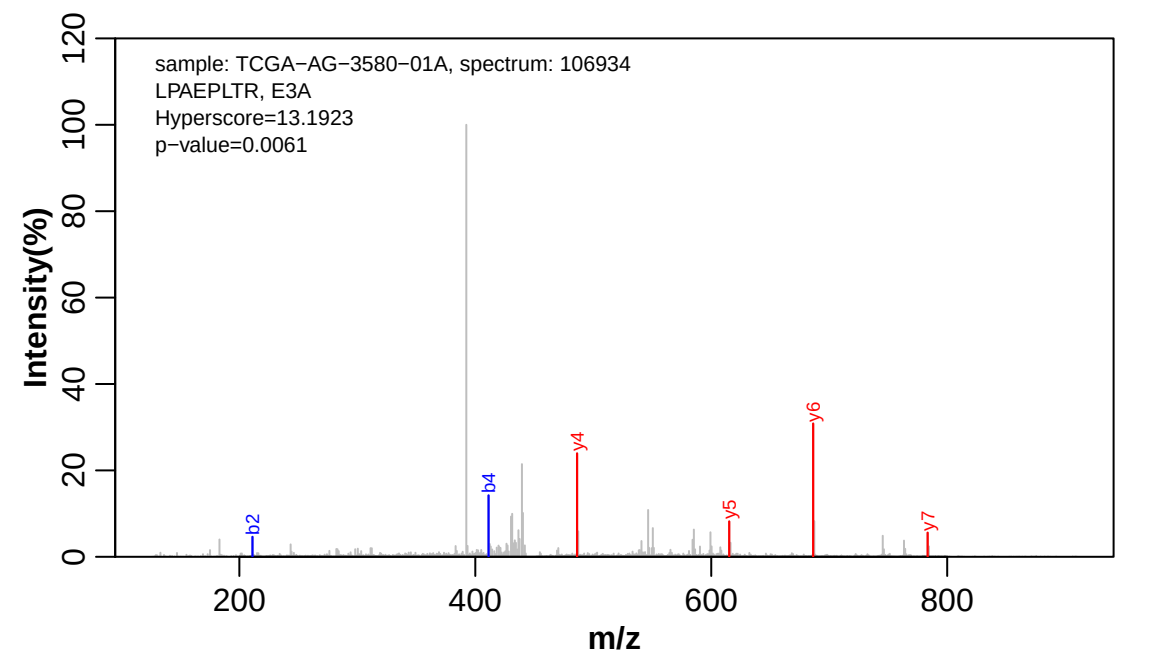

sample: TCGA−AG−3580−01A, spectrum: 121250
LAGALGPCLSLNVK, V9I
Hyperscore=26.0171
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4
b5
y4−H2O
b6
y5
y6
b9
y8
y9
y10
y12
b13

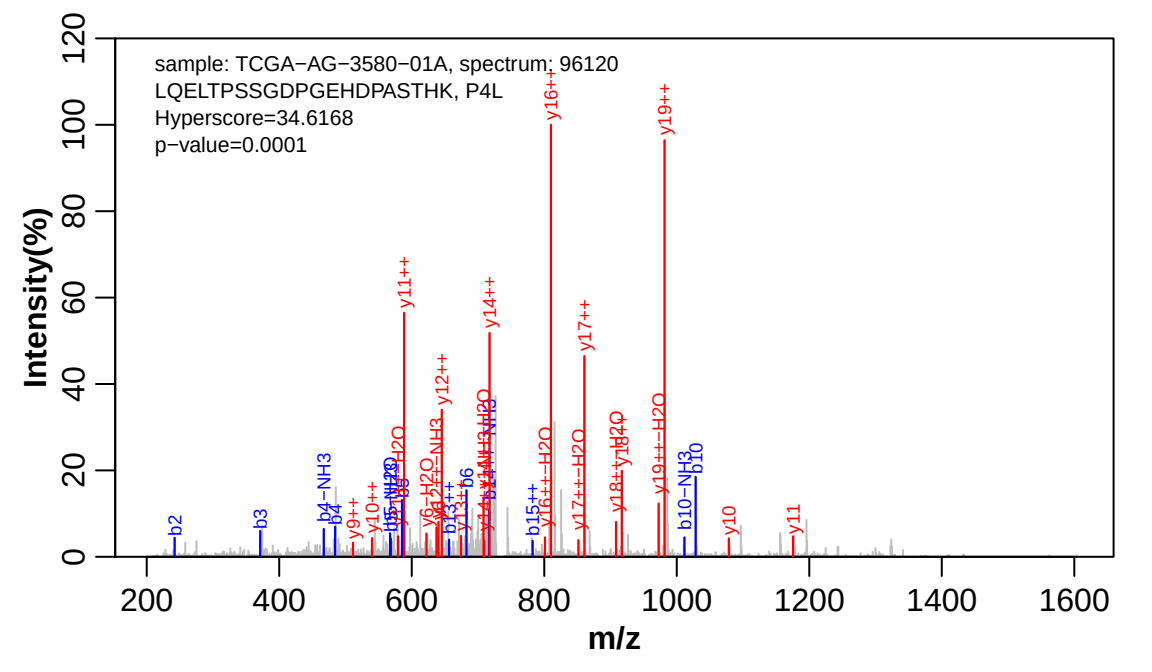

sample: TCGA−AG−3580−01A, spectrum: 2779
LDSTDFTSTLK, G8S
Hyperscore=15.6861
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5
y5
y6
y7
y8
y9
y10

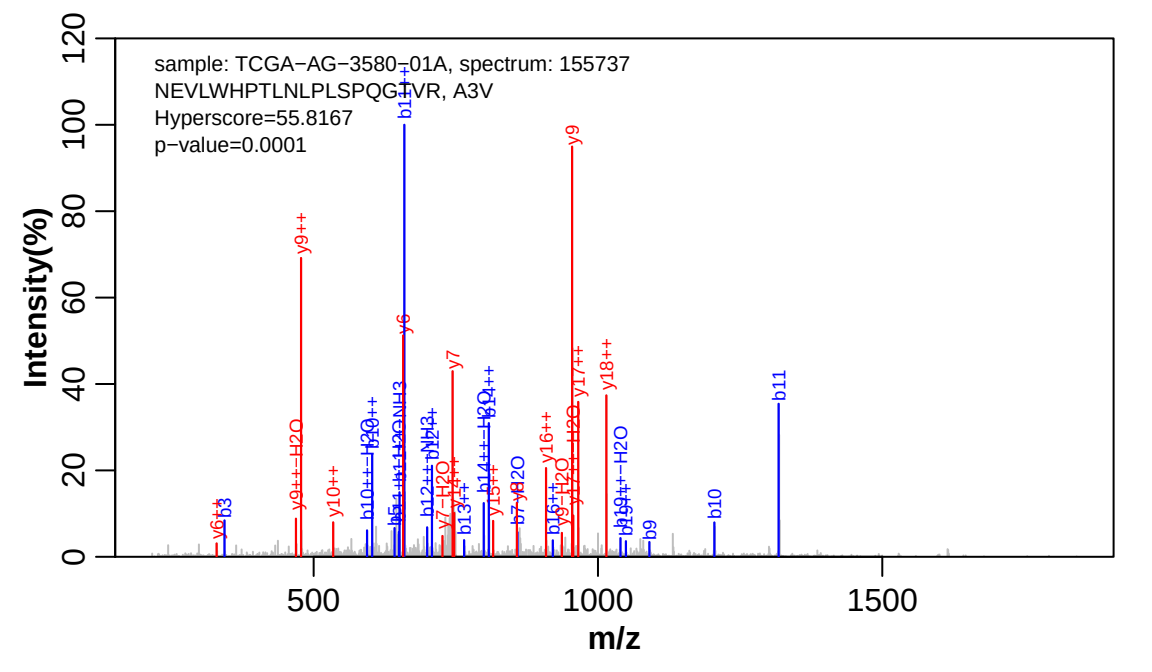

sample: TCGA−AG−3580−01A, spectrum: 47819
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=87.0807
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b14++
b11++
b13++
y6
y7
y4
y5
b10++
b12++
y16++
b15++−H2O
b7
b10
y10
b11
b12
b9
b5
b7++
y3
y2
b2
b8
y17++

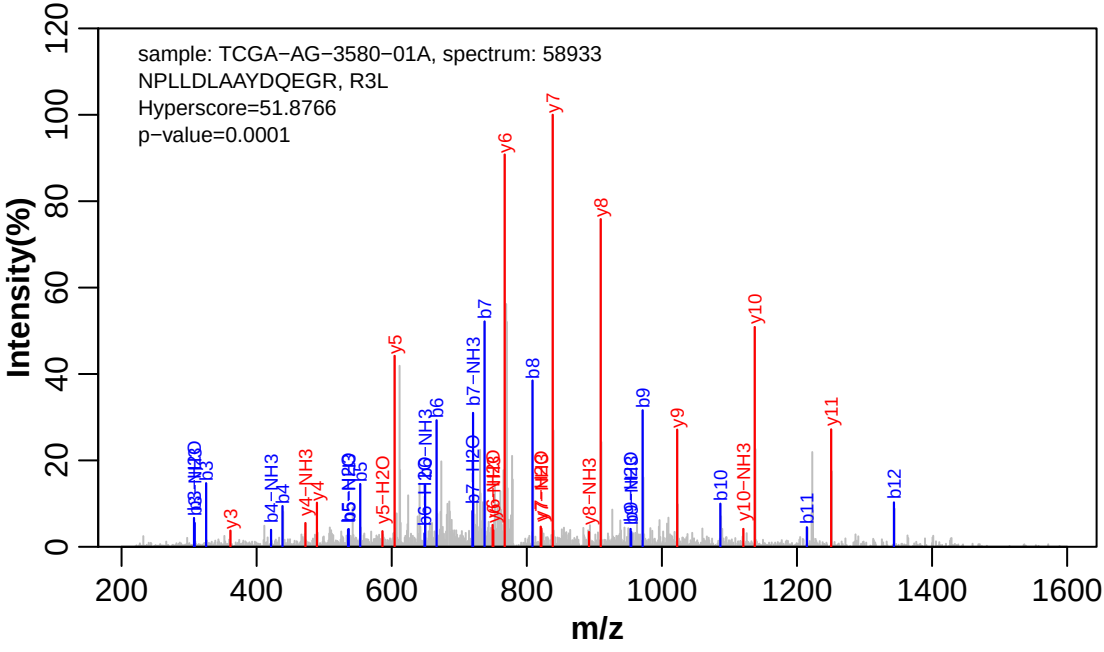

sample: TCGA−AG−3580−01A, spectrum: 27341
LLNLLADLVER, R4L
Hyperscore=39.8601
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y2
y3
y4
y8
b2
b3
b4
b5
b4−NH3
b5−NH3
b7−H2O
b7
b8−NH3
b8
b9−NH3
b9
b10

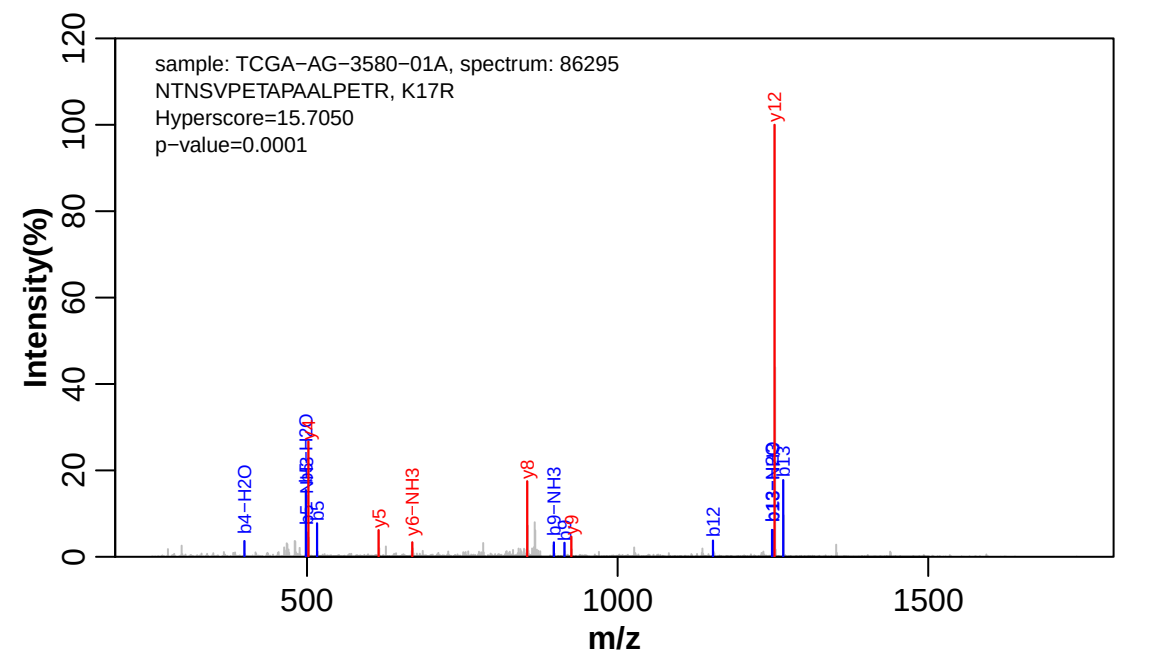

sample: TCGA−AG−3580−01A, spectrum: 37890
LLSLFPLSCQK, L5F
Hyperscore=20.9107
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3−H2O
b3
b4−H2O
b4
y3
y4
b5−NH3
b5−H2O
b5
y5−NH3
y5−H2O
y5
y6
b7
b8
y7
y8
y9

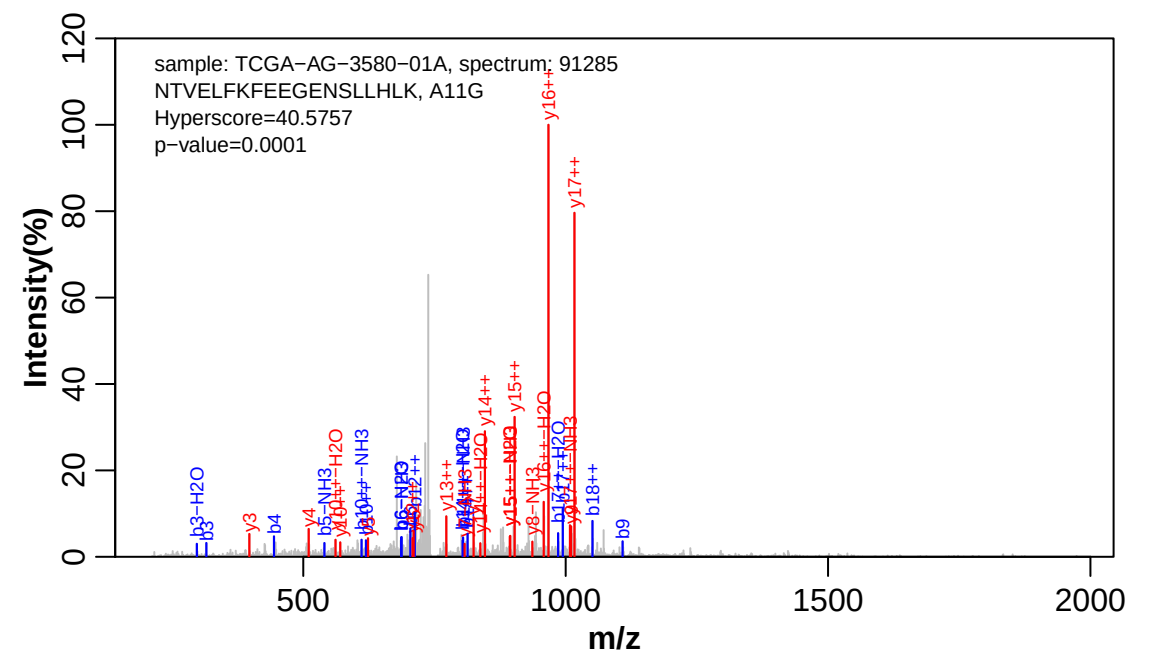

sample: TCGA−AG−3580−01A, spectrum: 106934
LPAEPLTR, E3A
Hyperscore=13.1923
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b4
y4
y5
y6
y7

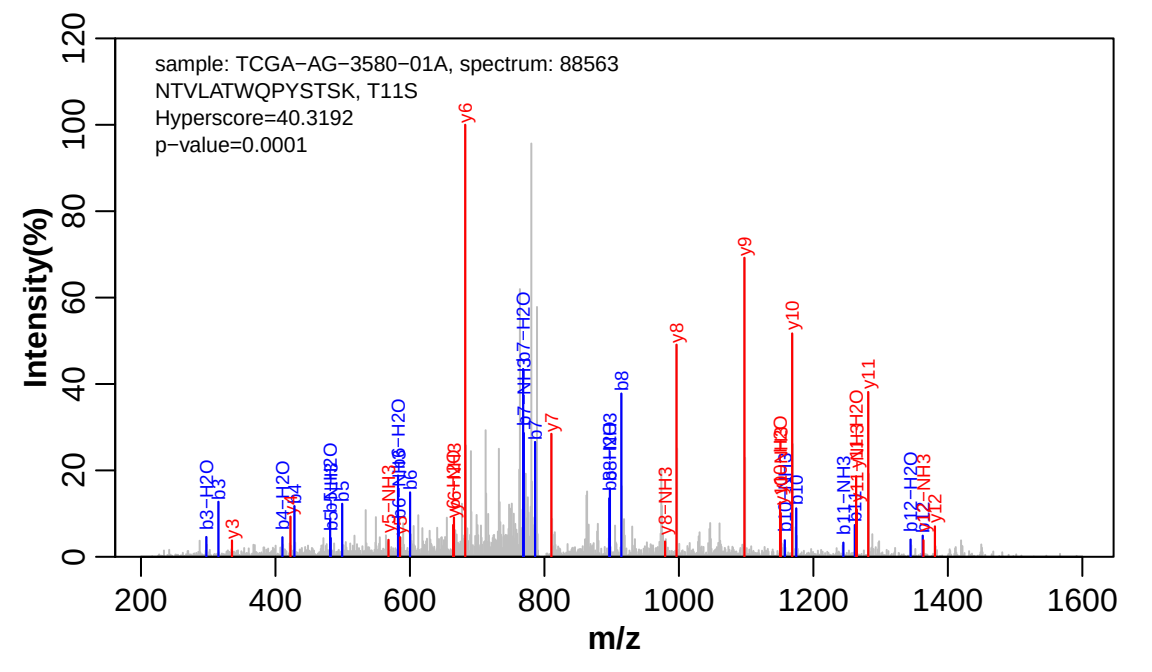

sample: TCGA−AG−3580−01A, spectrum: 96120
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=34.6168
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3
b4−NH3
b4
y9++
y10++
y11++
y12++
y13++
b6
b15++
y16++
y16++−H2O
y17++
y17++−H2O
y18++
y19++
y19++−H2O
b10−NH3
b10
y10
y11

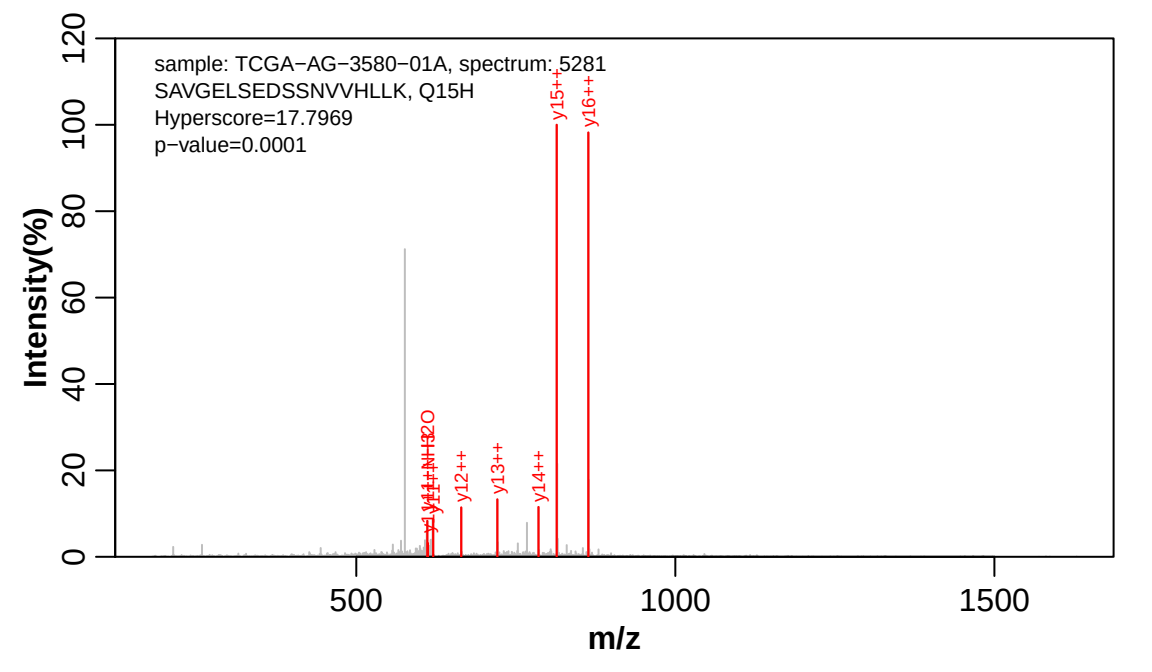

sample: TCGA−AG−3580−01A, spectrum: 155737
NEVLWHPTLNLPLSPQGHVR, A3V
Hyperscore=55.8167
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b1++
y9++
y9
y6
y7
y18++
b11
b10
b9
y9++−H2O
y10++
y16++
y17++
y15++
b13++
b14++
b7++−H2O
y7−H2O
b12++−NH3
b5++−H2O−NH3
b10++−H2O
b10++
y9++−H2O
y17++−H2O
b19++−H2O
b3
y6++

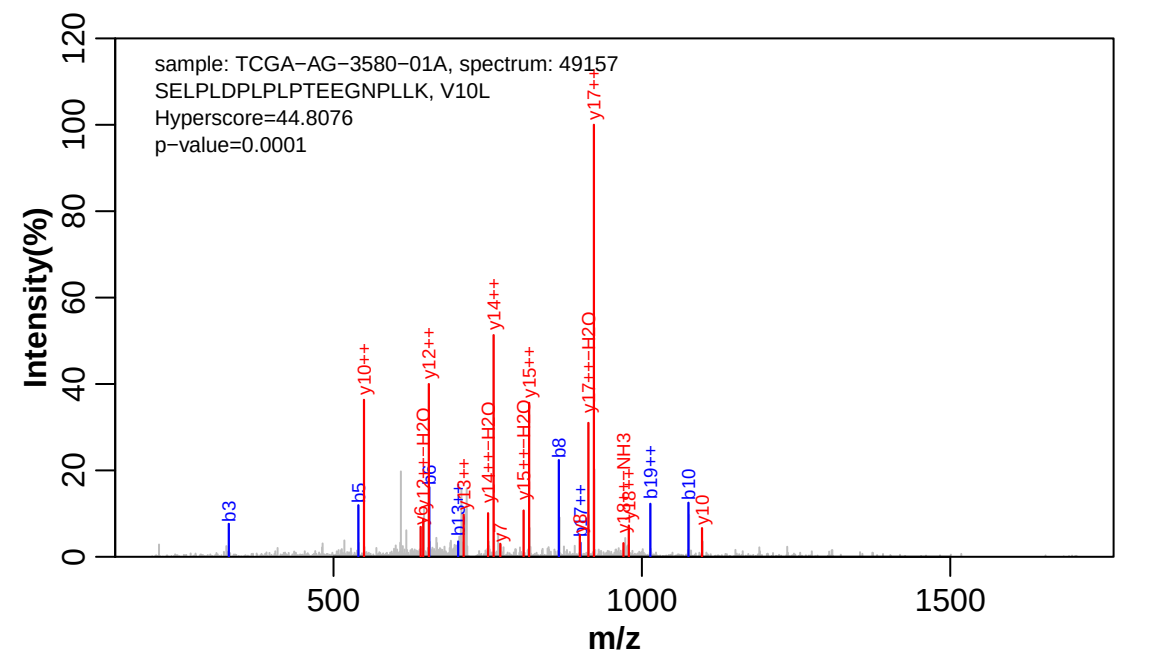

sample: TCGA−AG−3580−01A, spectrum: 58933
NPLLDLAAYDQEGR, R3L
Hyperscore=51.8766
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y6
y8
y10
y5
b7
b8
y9
y11
b9
b6
b7−NH3
y5−H2O
y8−NH3
b10
y10−NH3
b11
b12
b4−NH3
y4−NH3
b4
y4
y3
b3
b5
b3−NH3

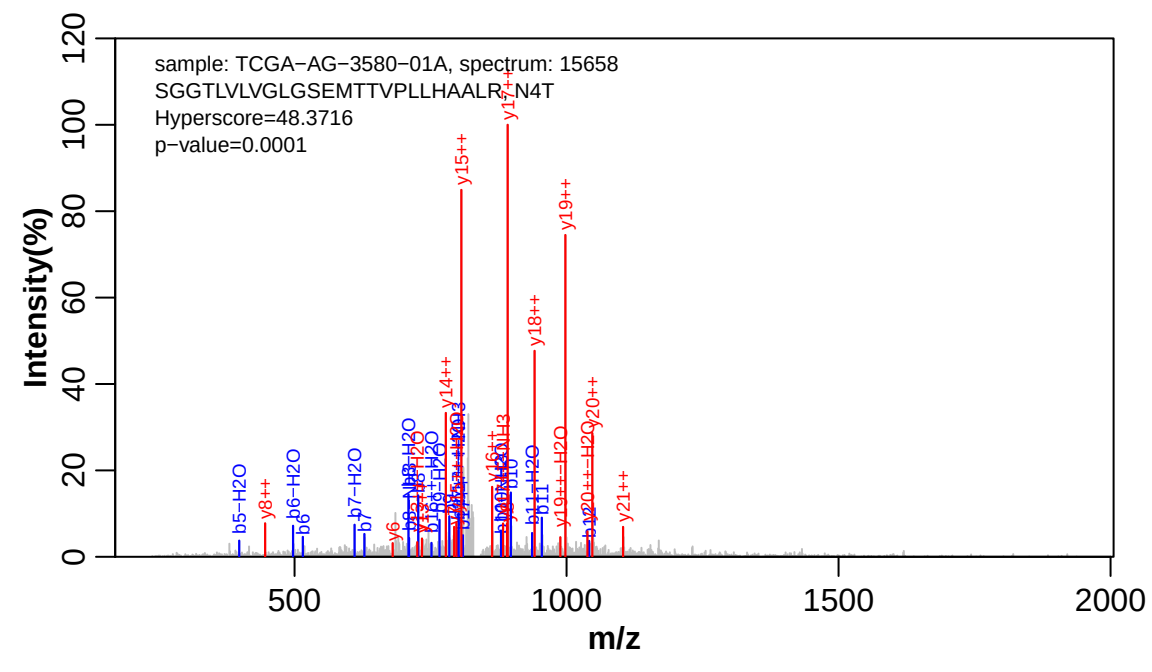

sample: TCGA−AG−3580−01A, spectrum: 86295
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7050
p−value=0.0001
Intensity(%)
m/z
b4−H2O
y5
y6−NH3
y8
b9−NH3
b12
y12
b13

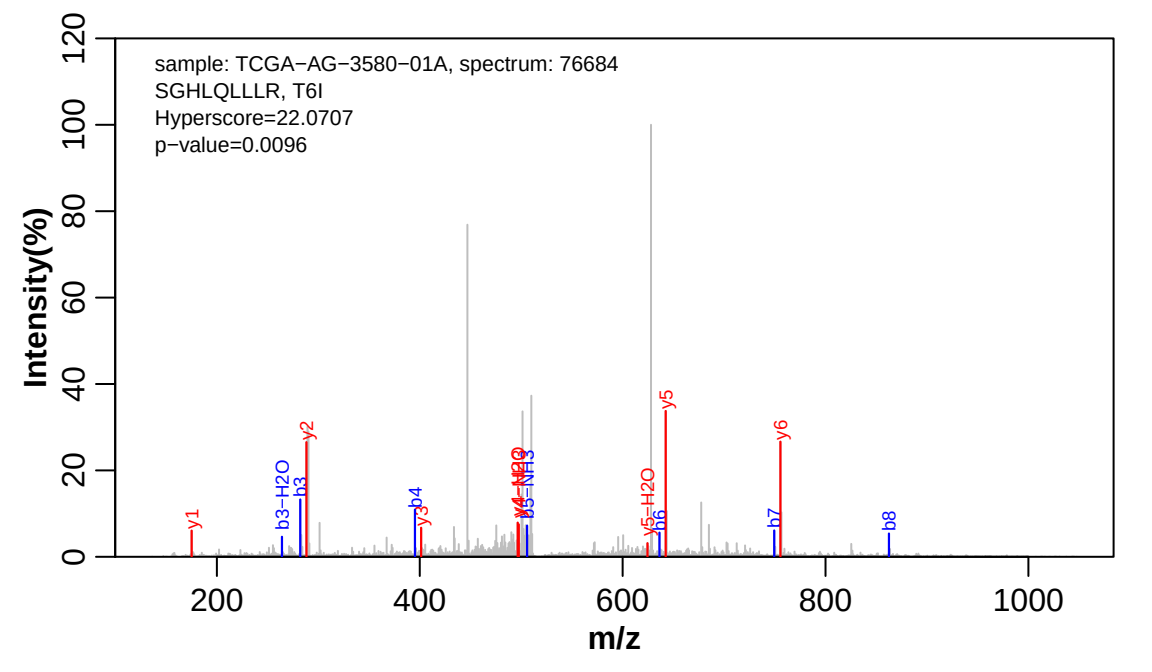

sample: TCGA−AG−3580−01A, spectrum: 91285
NTVELFKFEEGENSLLHLK, A11G
Hyperscore=40.5757
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y16++
y17++
y15++
y14++
y13++
y8−NH3
y15++−H2O
y15++−NH3
b18++
b9
b3−H2O
b3
y3
b4
y4
b5−NH3
b5−H2O
b10++−NH3

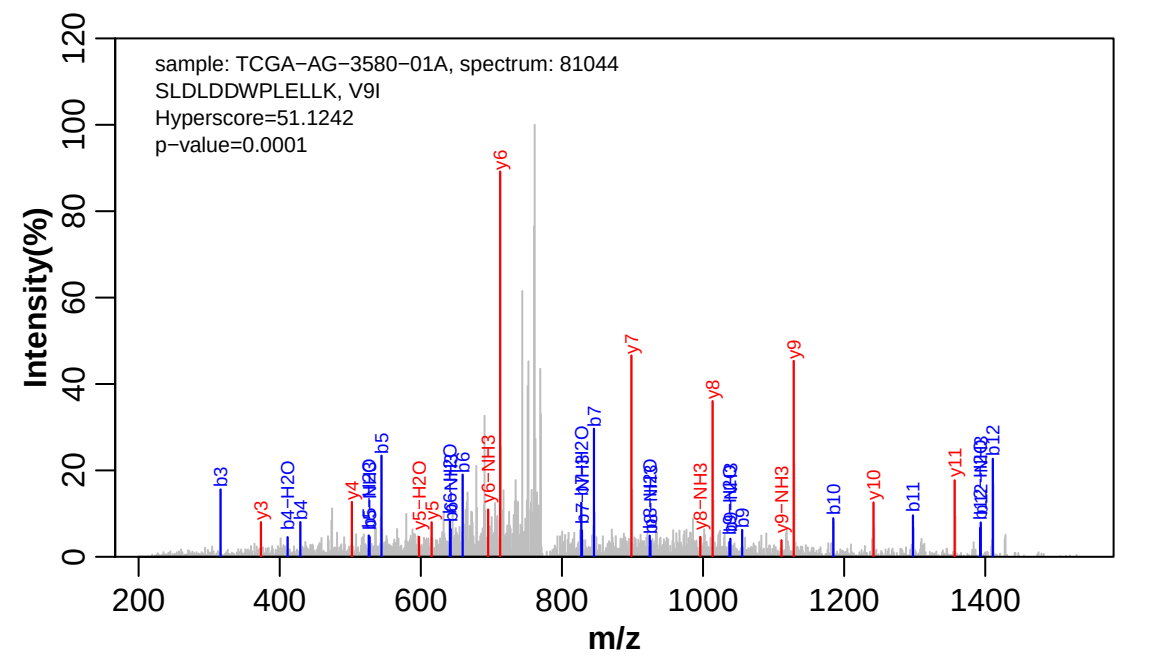

sample: TCGA−AG−3580−01A, spectrum: 88563
NTVLATWQPYSTSK, T11S
Hyperscore=40.3192
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y9
y8
y10
y11
y7
b8
b7
b7−NH3
b7−H2O
b6
b6−H2O
b5
b4
b3
y5−NH3
y8−NH3
b10
b11−NH3
b12−H2O
b12−NH3
y12
y3

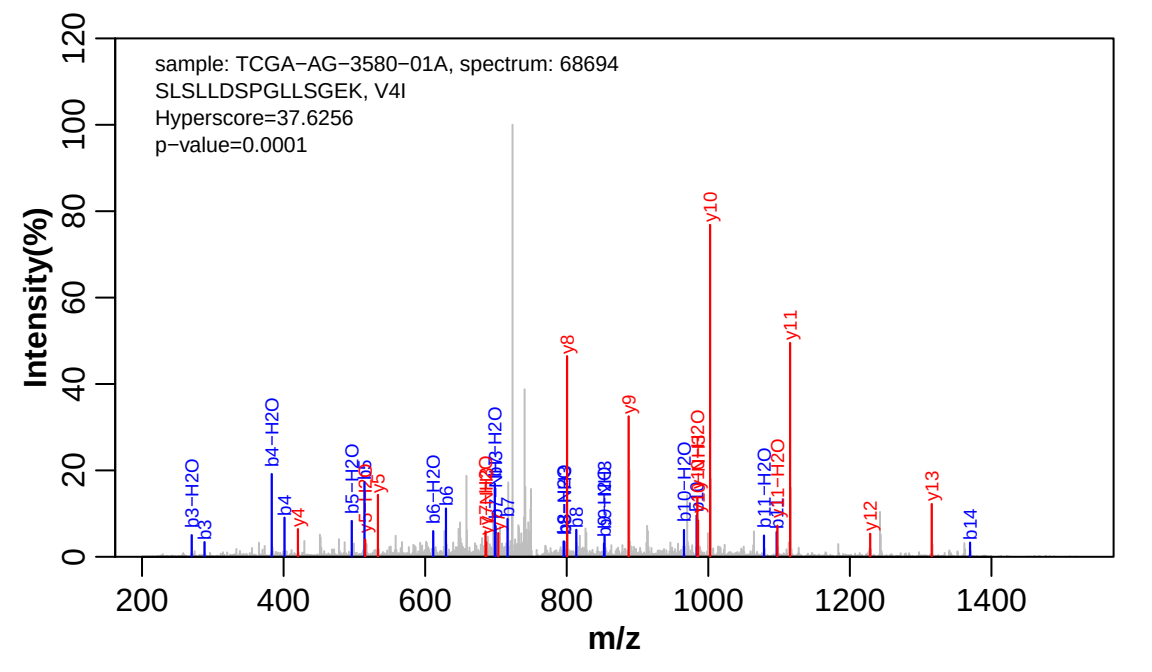

sample: TCGA−AG−3580−01A, spectrum: 5281
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7969
p−value=0.0001
y15++
y16++
y12++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

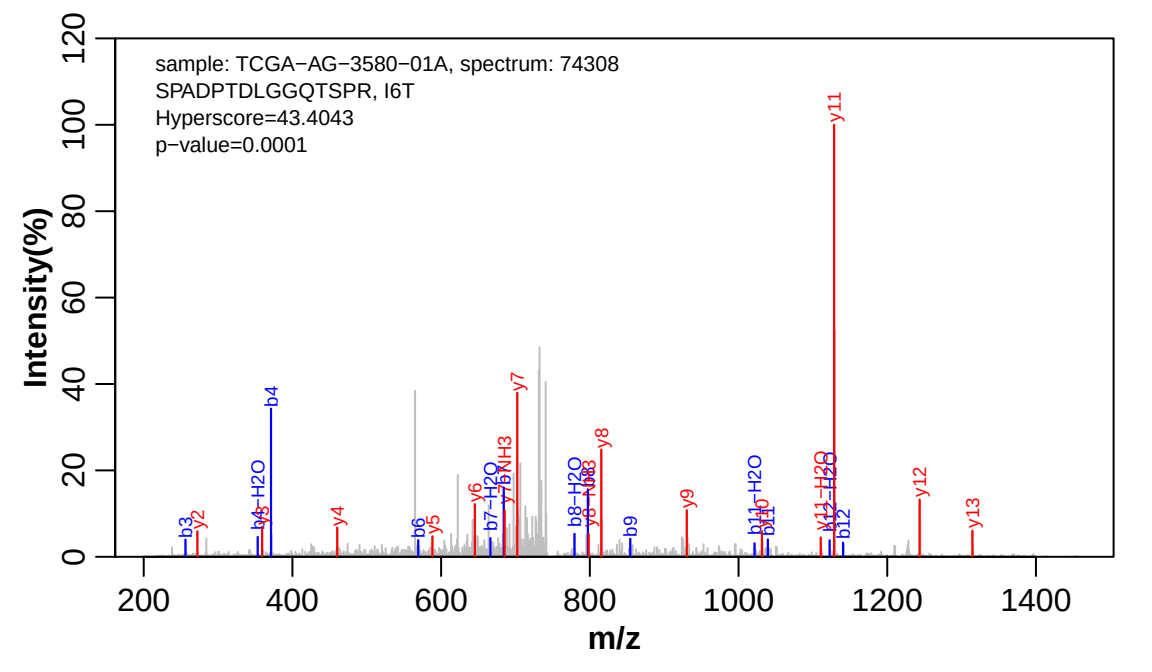

sample: TCGA−AG−3580−01A, spectrum: 49157
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=44.8076
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b5
y10++
y6++−H2O
y12++
b6
y13++
b13++
y14++−H2O
y14++
y7
y15++−H2O
y15++
b8
y17++−H2O
y17++
b7++
y18++−NH3
y18++
b19++
b10
y10

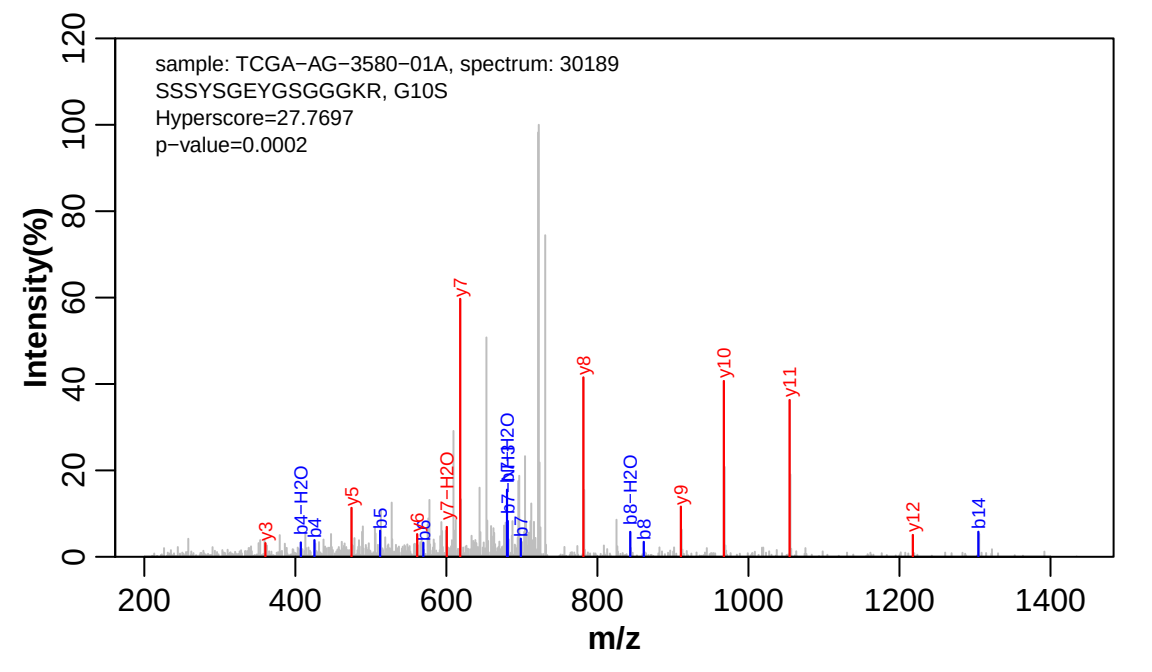

sample: TCGA−AG−3580−01A, spectrum: 15658
SGGTLVLVGLGSEMTTVPLLHAALR_N4T
Hyperscore=48.3716
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5−H2O
y8++
b6−H2O
b6
b7−H2O
y6
y14++
y15++
y17++
y19++
y18++
b11−H2O
y19++−H2O
y20++
y21++

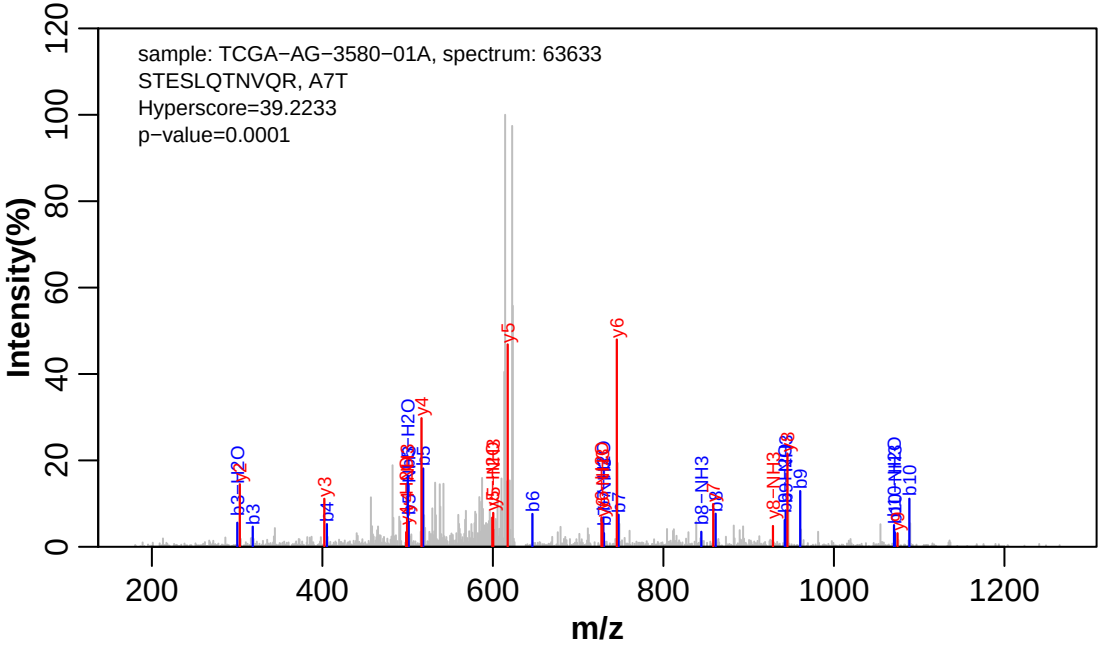

sample: TCGA−AG−3580−01A, spectrum: 76684
SGHLQLLLR, T6I
Hyperscore=22.0707
p−value=0.0096
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y1
b3−H2O
b3
y2
b4
y3
y5
y5−H2O
b6
y6
b7
b8

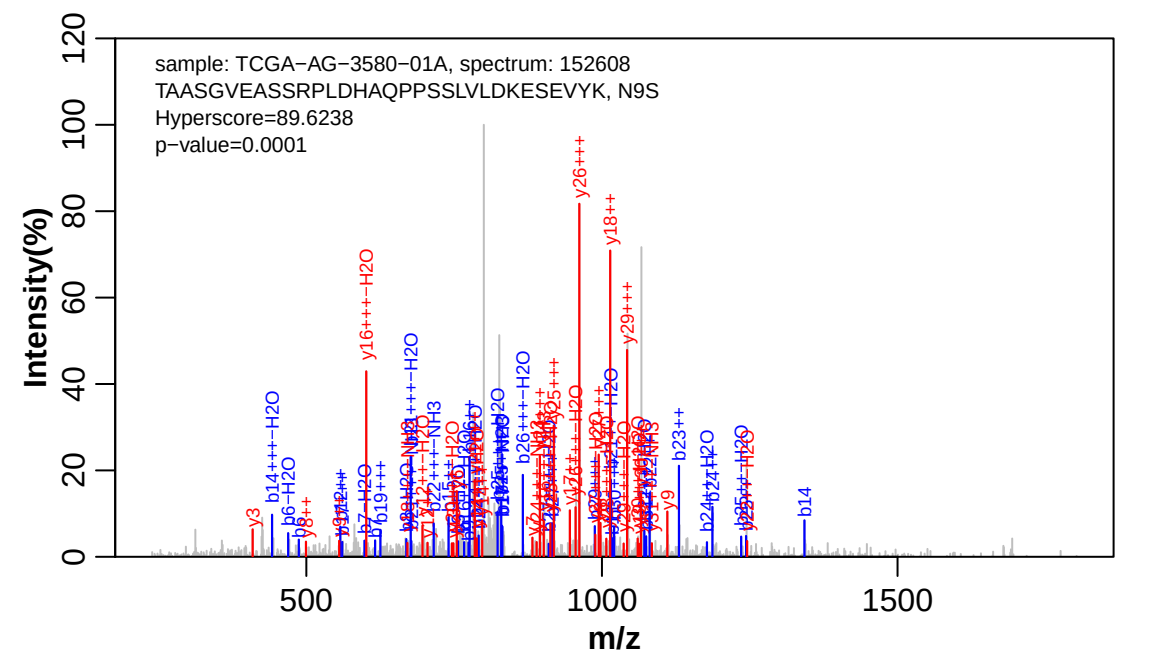

sample: TCGA−AG−3580−01A, spectrum: 81044
SLDLDDWPLELLK, V9I
Hyperscore=51.1242
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5
y5−H2O
y5
b6
y6−NH3
y6
b7
y7
y8
y8−NH3
y9
y9−NH3
b10
y10
b11
y11
b12

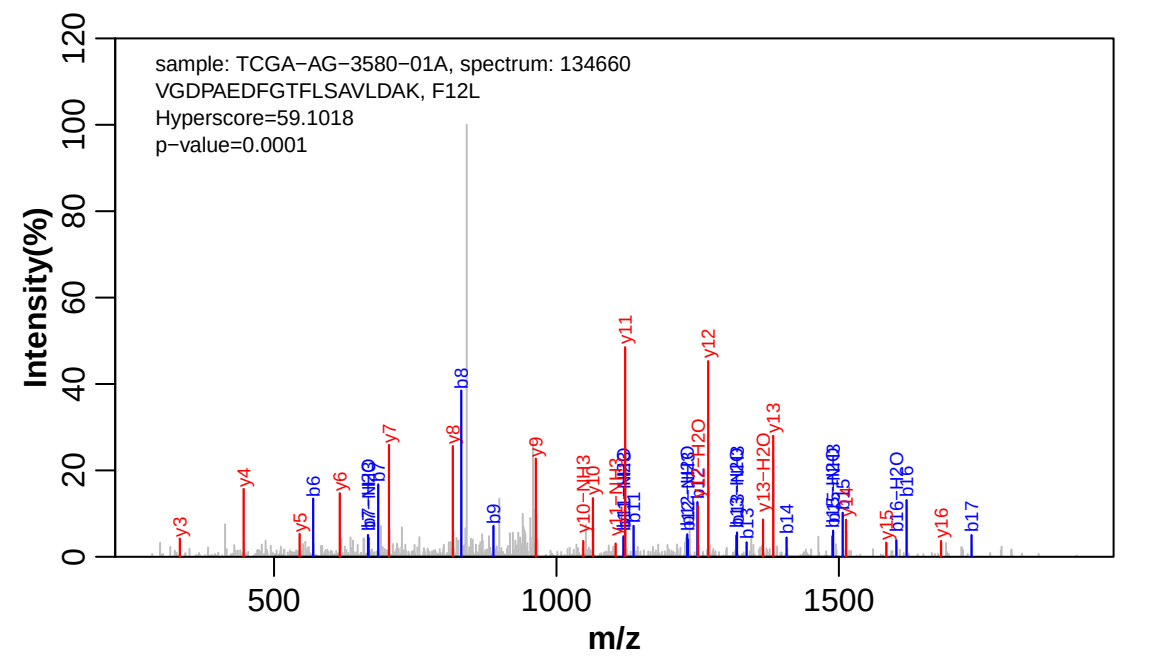

sample: TCGA−AG−3580−01A, spectrum: 68694
SLSLLDSPGLLSGEK, V4I
Hyperscore=37.6256
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
b4−H2O
b4
y4
b5−H2O
y5−H2O
y5
b6−H2O
b6
y7−H2O
y7
b7
b8
y8
b9
y9
b10−H2O
y10−NH3
y10−H2O
y10
b11−H2O
y11−H2O
y11
y12
y13
b14

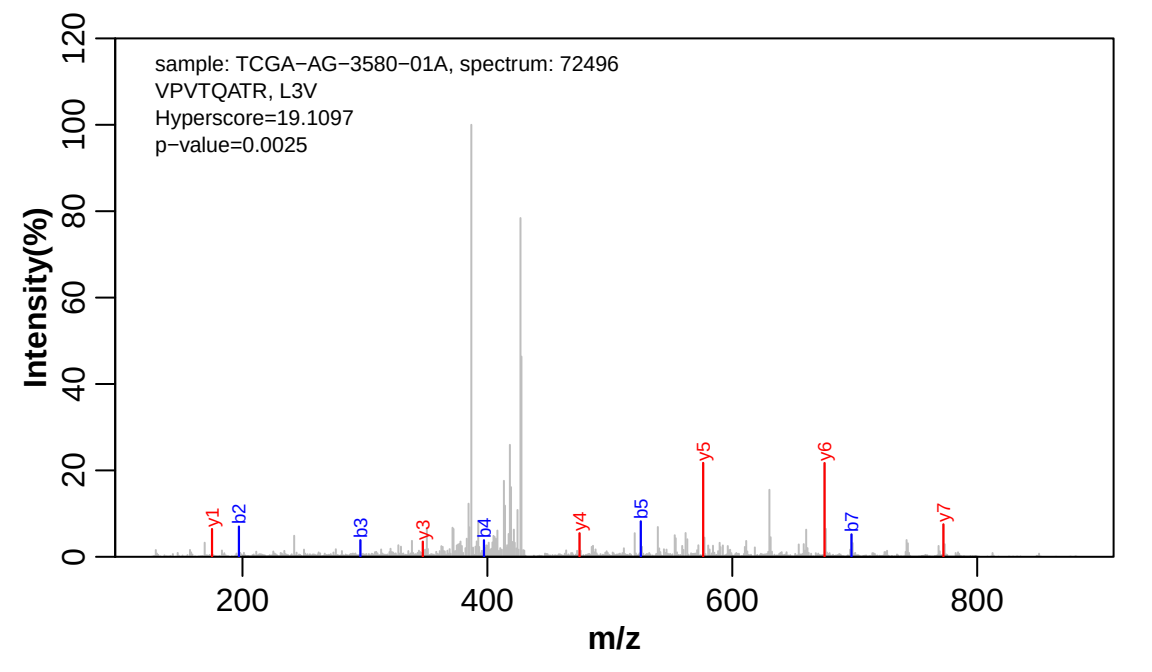

sample: TCGA−AG−3580−01A, spectrum: 74308
SPADPTDLGGQTSPR, I6T
Hyperscore=43.4043
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
b4
b4−H2O
y3
y4
b6
y5
b7−H2O
y6
y7
y7−NH3
y8
b8−H2O
b8−NH3
y8−NH3
b9
y9
b11−H2O
b11
b10
y11−H2O
y11−NH3
b12
y11
y12
y13

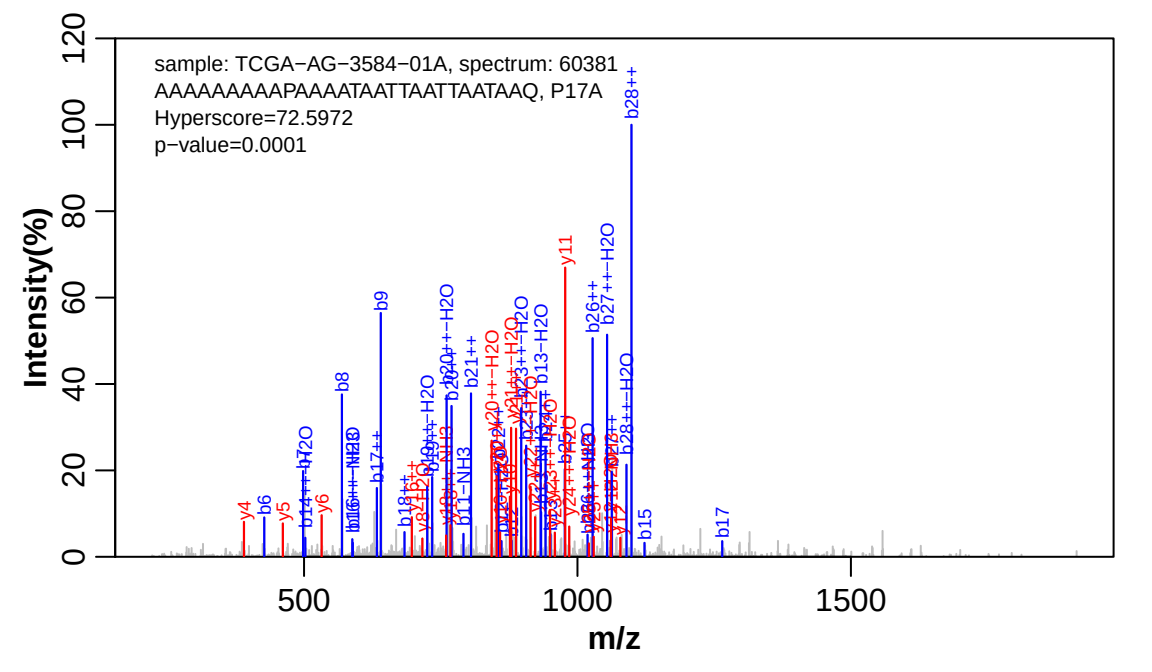

sample: TCGA−AG−3580−01A, spectrum: 30189
SSSYSGEYGSGGGKR, G10S
Hyperscore=27.7697
p−value=0.0002
Intensity(%)
m/z
y3
b4−H2O
b4
y5
b5
b6
y7−H2O
y7
b7−NH3
b7−H2O
b7
y8
b8−H2O
b8
y9
y10
y11
y12
b14

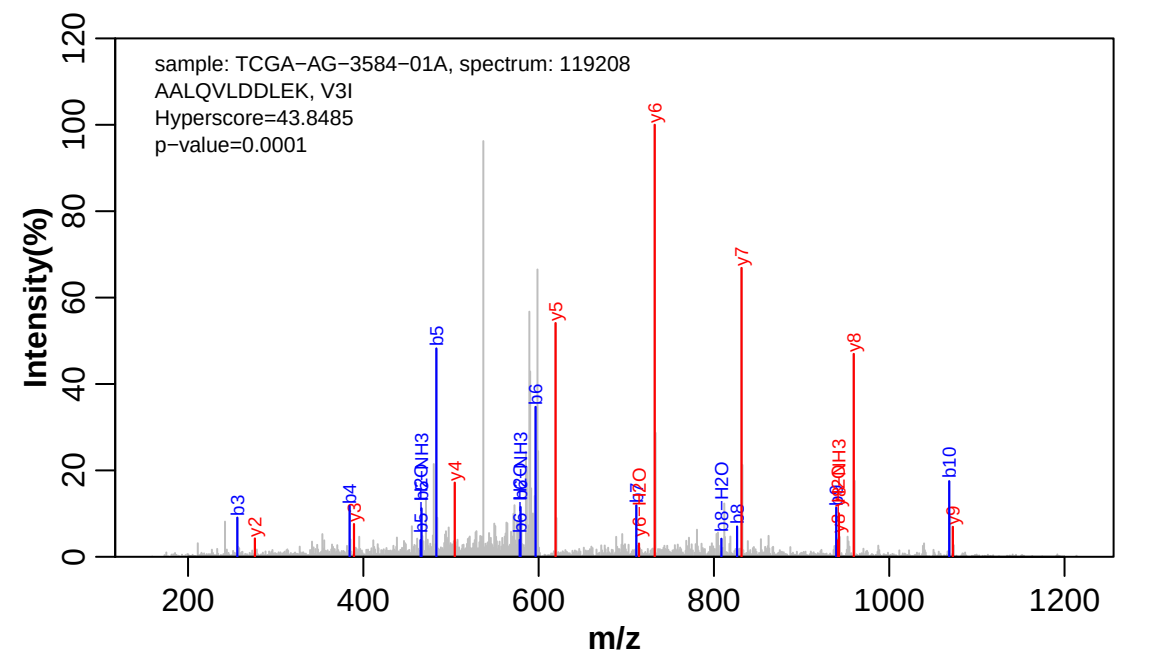

sample: TCGA−AG−3580−01A, spectrum: 63633
STESLQTNVQR, A7T
Hyperscore=39.2233
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y5
y6
y4
b5
b6
b7
b9
b10
y3
b3
b4
b8
y8
y10

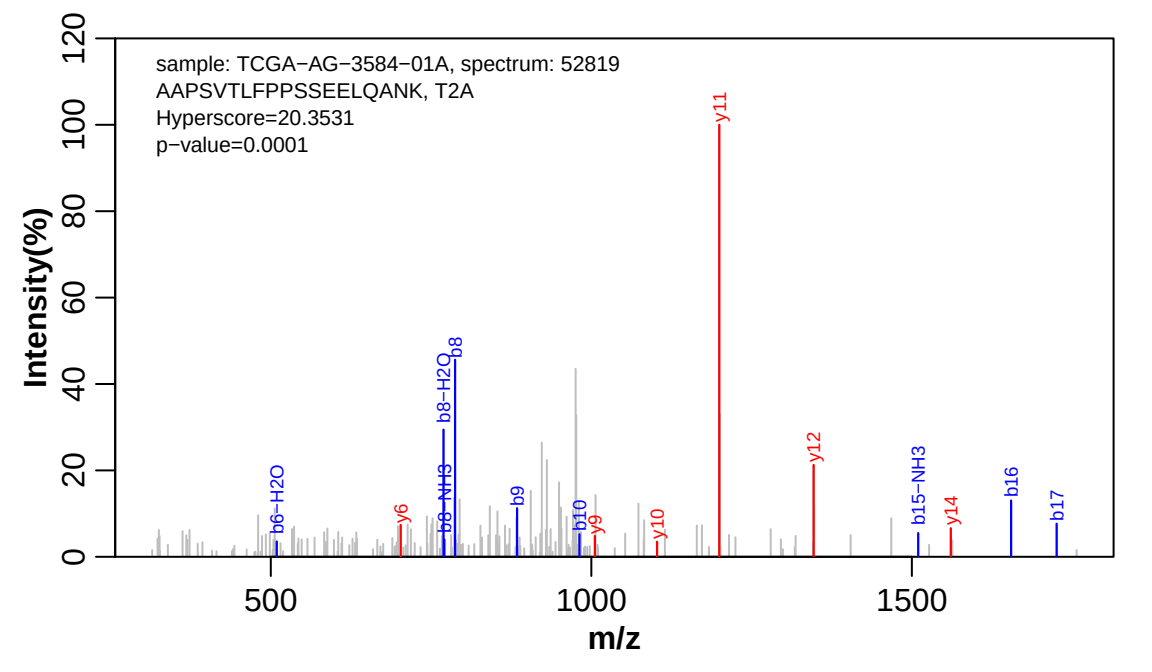

sample: TCGA−AG−3580−01A, spectrum: 152608
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=89.6238
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b14+++−H2O
b6−H2O
y8++
y16+++−H2O
b19+++
y18++
y26+++
y29+++
b26+++−H2O
b23++
b14

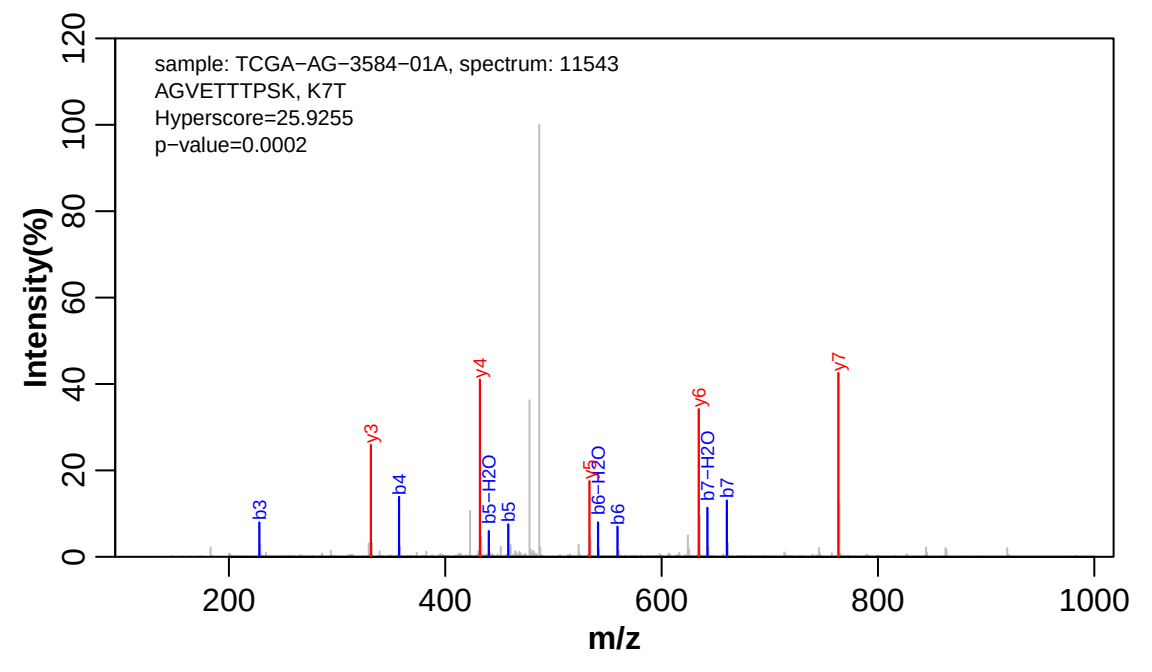

sample: TCGA−AG−3580−01A, spectrum: 134660
VGDPAEDFGTFLSAVLDAK, F12L
Hyperscore=59.1018
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
b6
y5
y6
b7
y7
y8
b8
b9
y9
y10−NH3
y10
y11
y12
y12−H2O
y13
y13−H2O
b14
y15
b16
b16−H2O
y16
b17

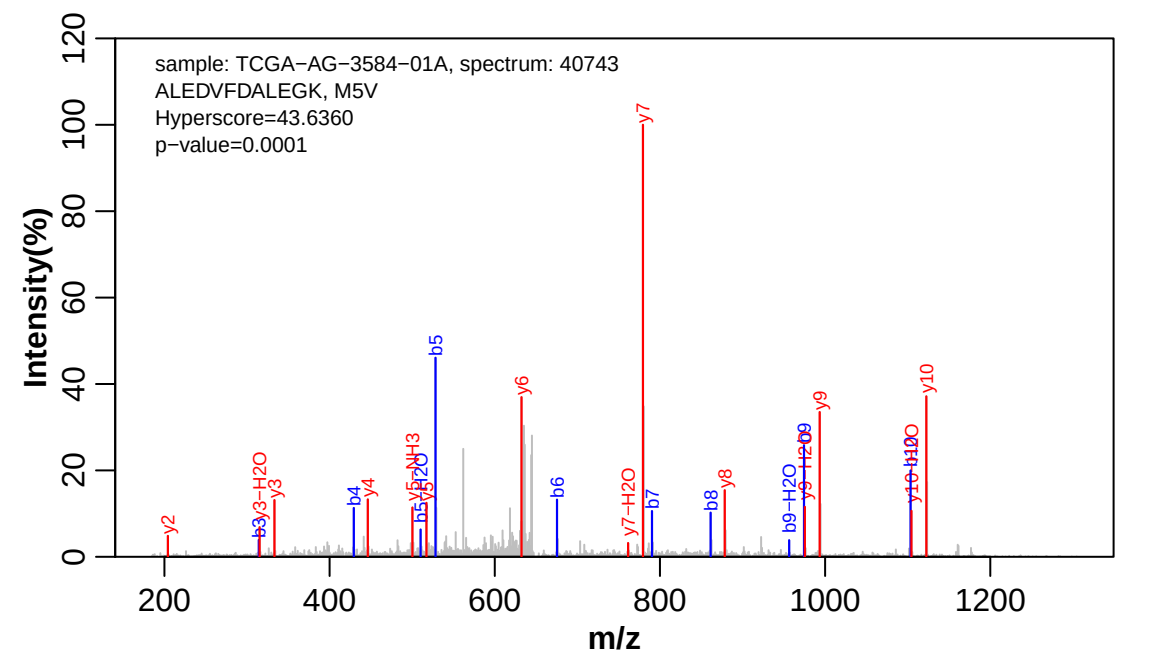

sample: TCGA−AG−3580−01A, spectrum: 72496
VPVTQATR, L3V
Hyperscore=19.1097
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
b4
y4
b5
y5
y6
b7
y7

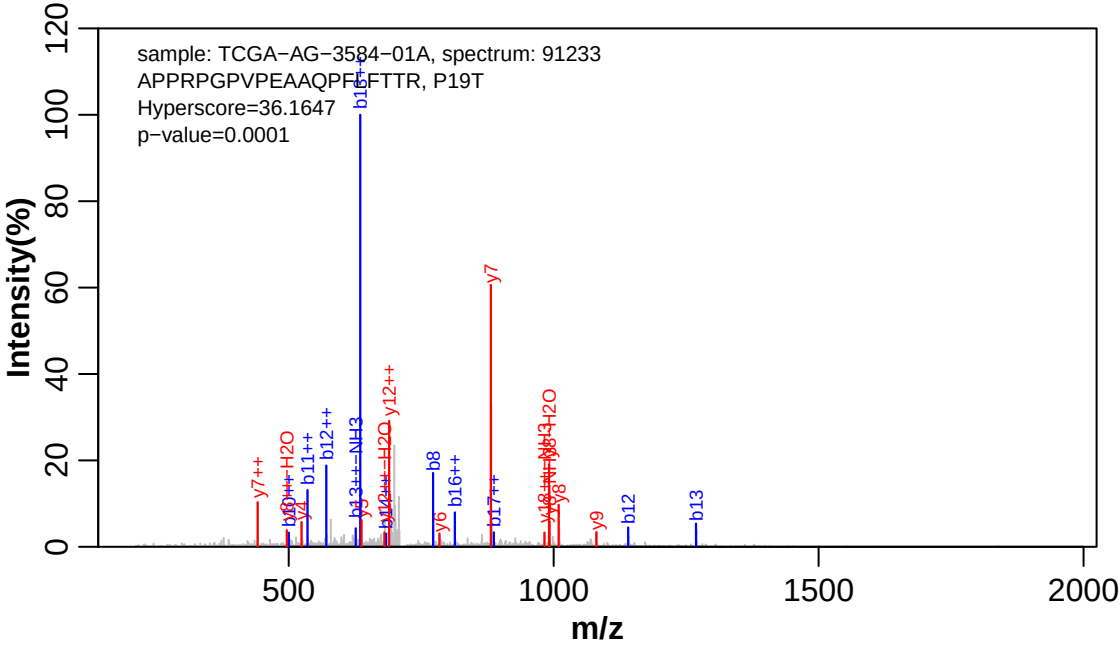

sample: TCGA−AG−3584−01A, spectrum: 60381
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=72.5972
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
y11
b26++
b27++−H2O
b28++−H2O
b9
b8
b15
b17
y4
b6
y5
y6

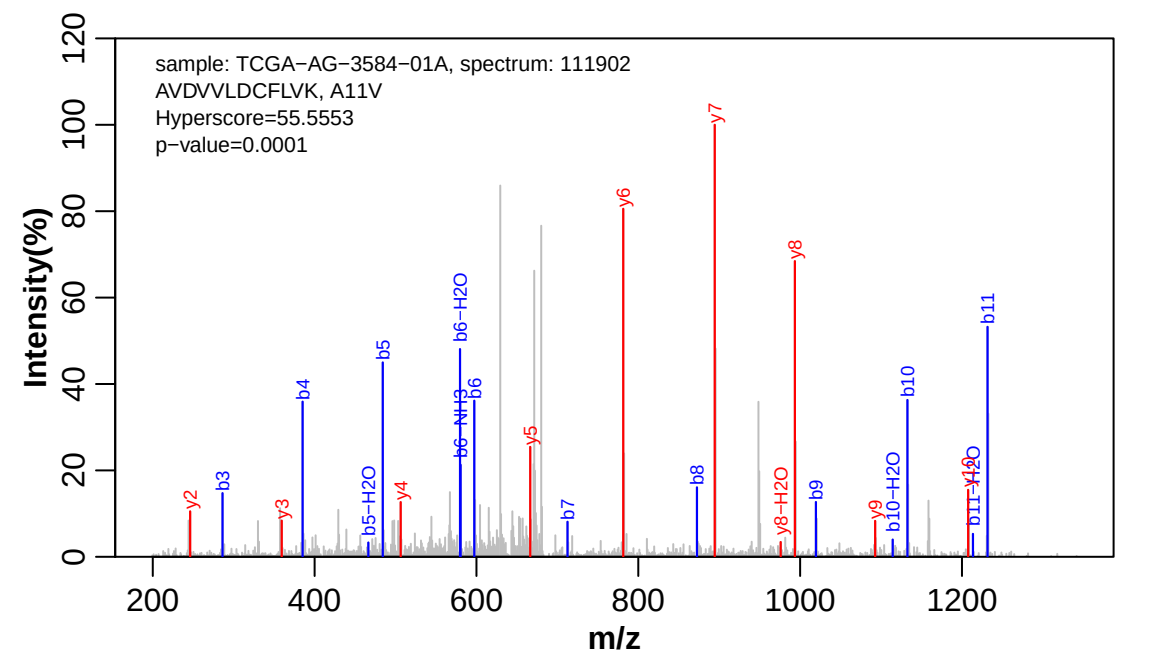

sample: TCGA−AG−3584−01A, spectrum: 119208
AALQVLDDLEK, V3I
Hyperscore=43.8485
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
y2
b4
y3
b5
y4
b6
y5
y6
y7
y8
b10
y9
b8
b8−H2O
y6−H2O
b5−NH3
b6−NH3
y8−NH3

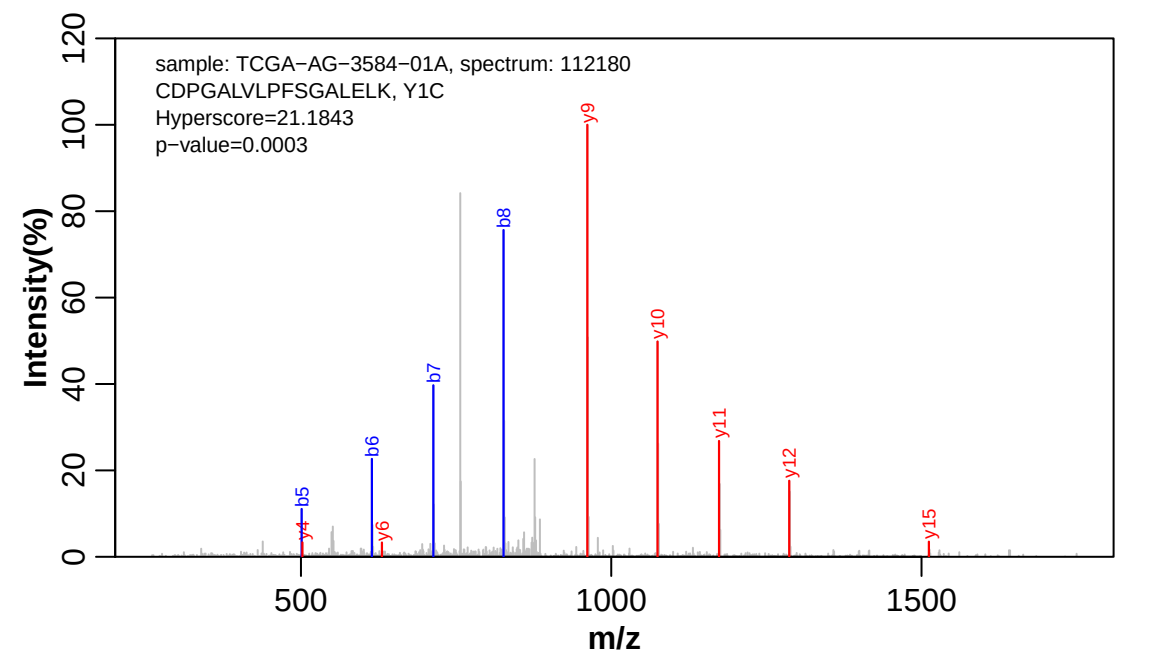

sample: TCGA−AG−3584−01A, spectrum: 52819
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=20.3531
p−value=0.0001
Intensity(%)
m/z
y11
y12
b8
b8−H2O
b8−NH3
b6−H2O
y6
b9
b10
y9
y10
b15−NH3
y14
b16
b17

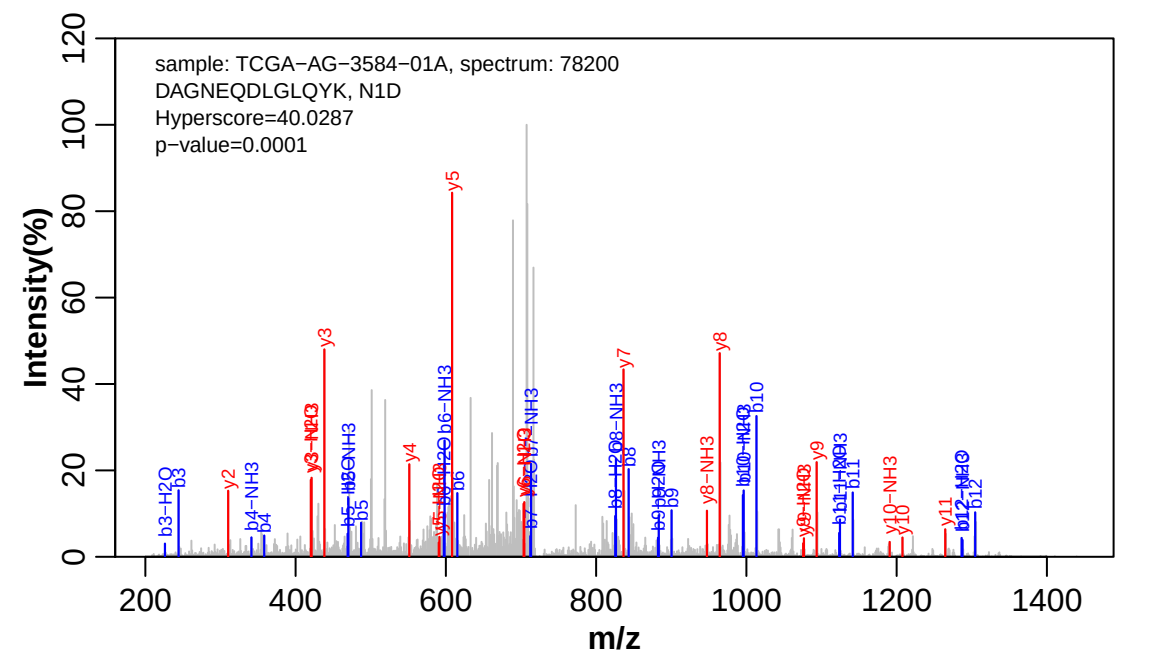

sample: TCGA−AG−3584−01A, spectrum: 11543
AGVETTTPSK, K7T
Hyperscore=25.9255
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7

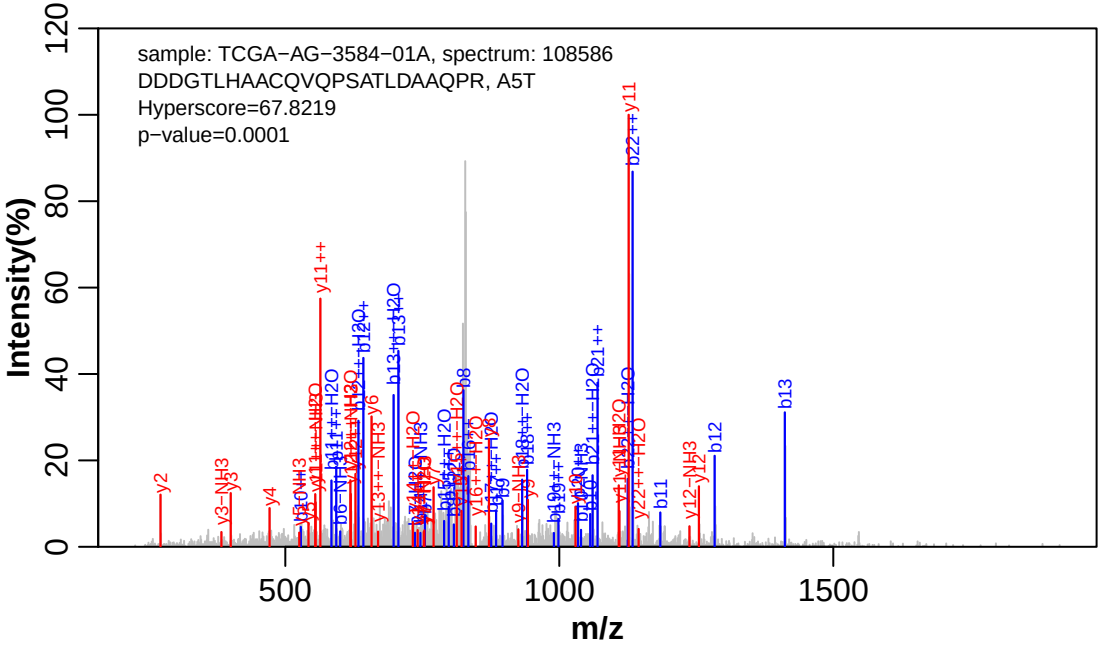

sample: TCGA−AG−3584−01A, spectrum: 40743
ALEDVFDALEGK, M5V
Hyperscore=43.6360
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
b3−H2O
y3
b4
y4
y5−NH3
y5−H2O
y5
b5
b5−H2O
y6
b6
y7−H2O
y7
b7
b8
y8
b9−H2O
y9−H2O
y9
y10−H2O
y10

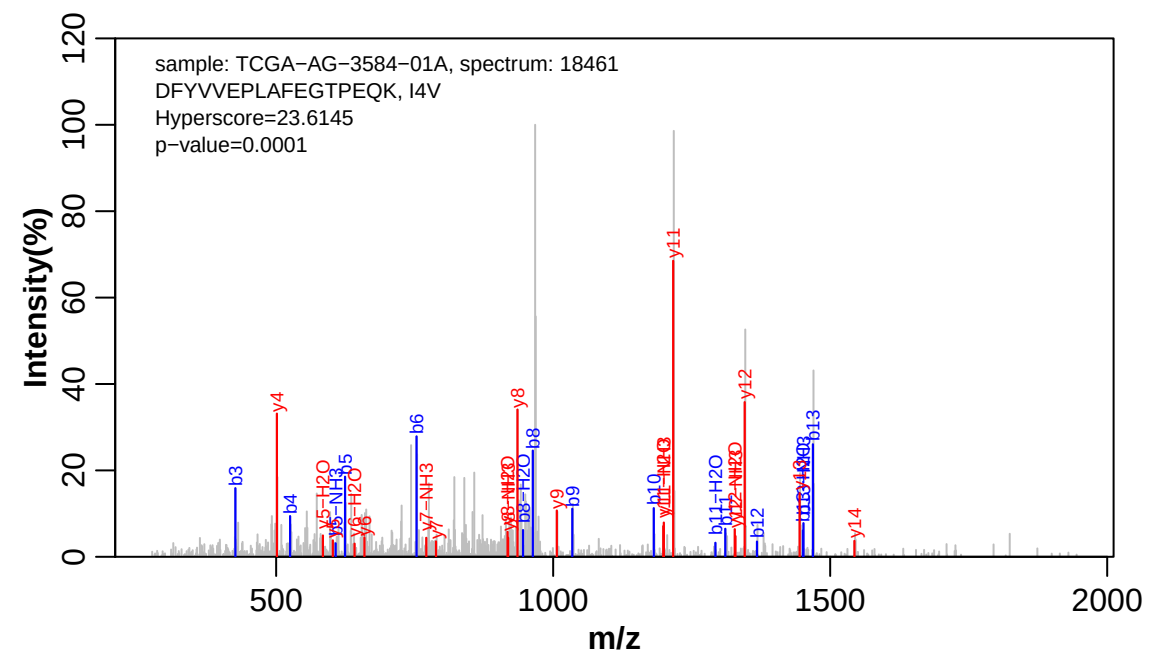

sample: TCGA−AG−3584−01A, spectrum: 91233
APPRPGPVPEAAQPFLFTTR, P19T
Hyperscore=36.1647
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y7++
b10++ H2O
y8
b11++
b12++
b13++ NH3
b16++
y12++
b8
y6
y7
b17++
y8++ NH3
y8++ H2O
y9
b12
b13

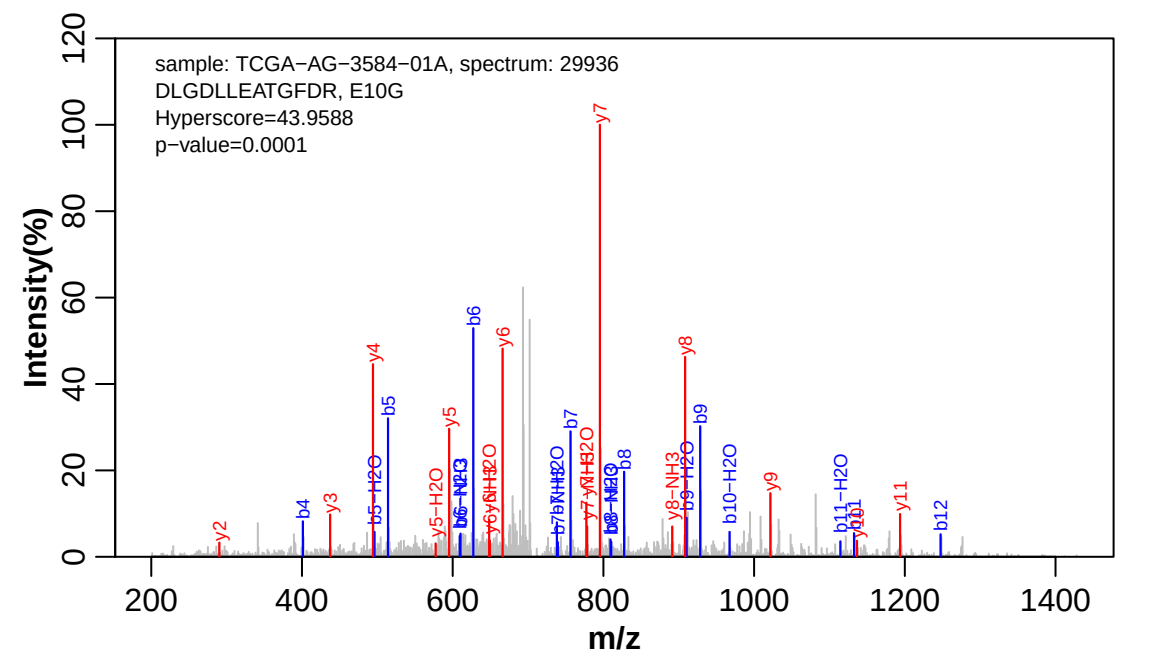

sample: TCGA−AG−3584−01A, spectrum: 111902
AVDVVLDCFLVK, A11V
Hyperscore=55.5553
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3
b4
b5−H2O
b5
y4
b6−NH3
b6−H2O
b6
y5
b7
y6
b8
y7
y8−H2O
y8
b9
y9
b10−H2O
b10
b11−Y10
b11

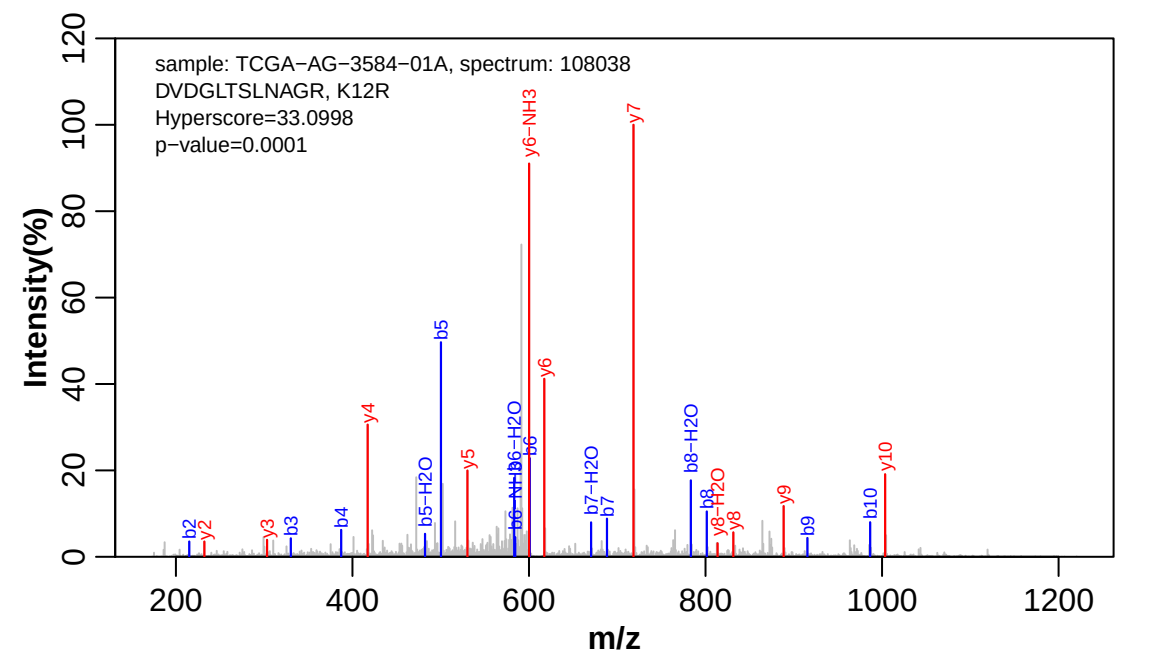

sample: TCGA−AG−3584−01A, spectrum: 112180
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.1843
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
y4
b5
b6
y6
b7
b8
y9
y10
y11
y12
y15

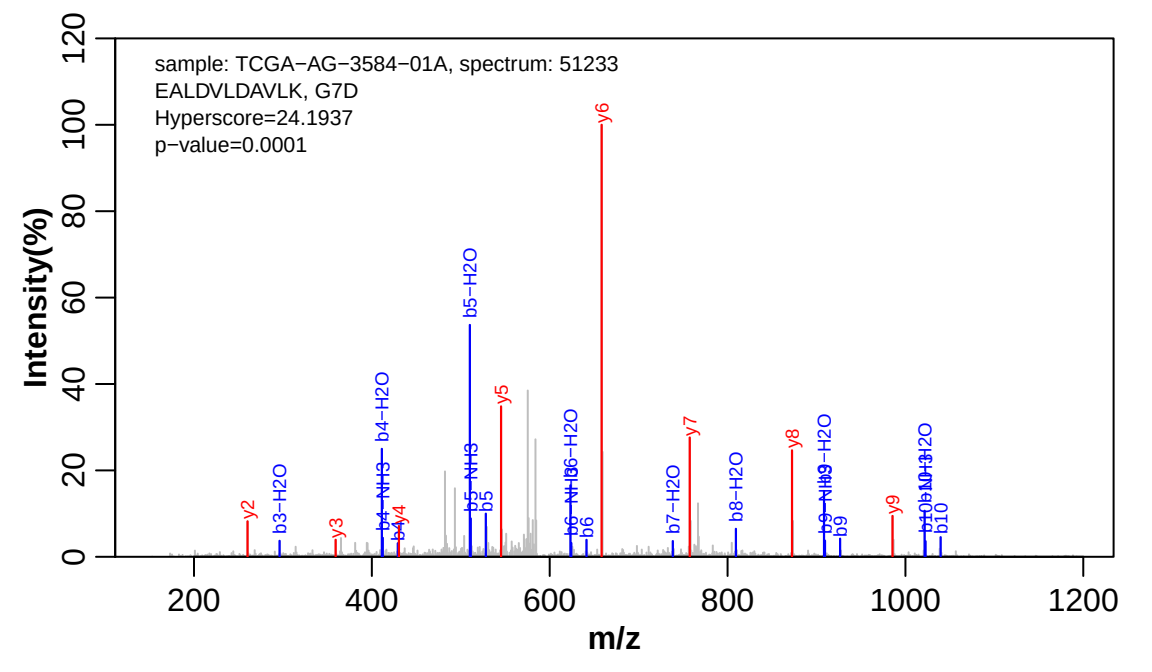

sample: TCGA−AG−3584−01A, spectrum: 78200
DAGNEQDLGLQYK, N1D
Hyperscore=40.0287
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y3
y4
y2
y8
y7
y8−NH3
y10−NH3
y9
y11
b10
b11
b12
b6−NH3
b7−NH3
b8−NH3
b3−H2O
b3
b4−NH3
b4
b5
b6
b8
b9
b10−H2O
b10−NH3
b11−H2O
b11−NH3
b12−H2O
b12−NH3

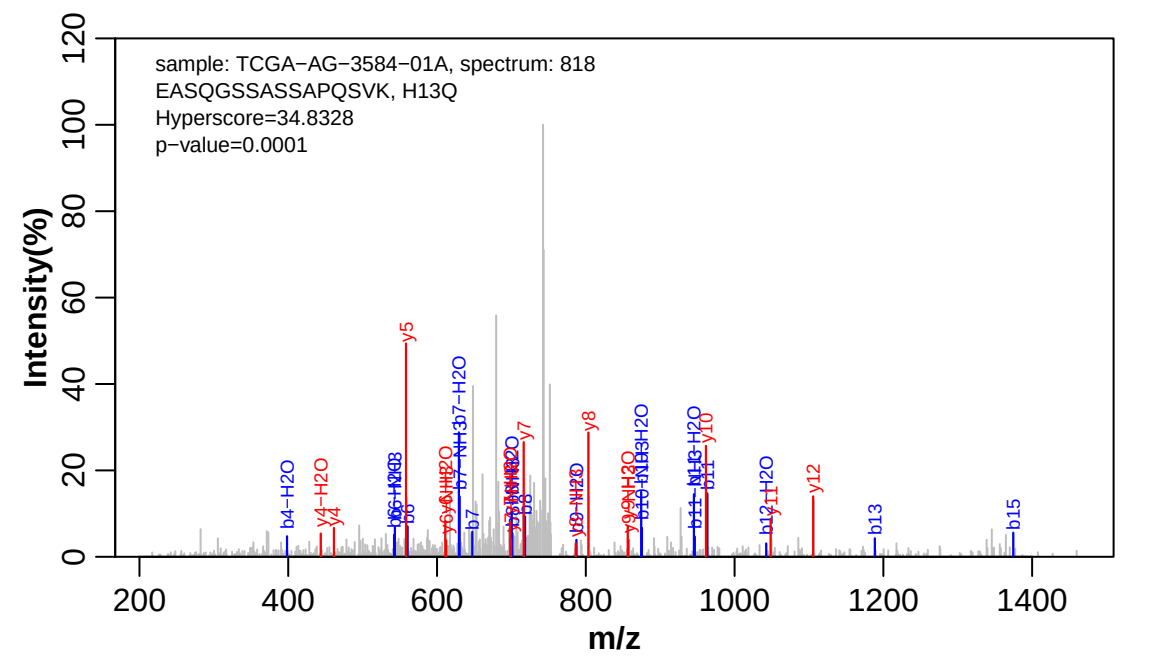

sample: TCGA−AG−3584−01A, spectrum: 108586
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=67.8219
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3−NH3
y4
y11++
b13
b12
b11
y12−NH3
b21++
b22++
y11

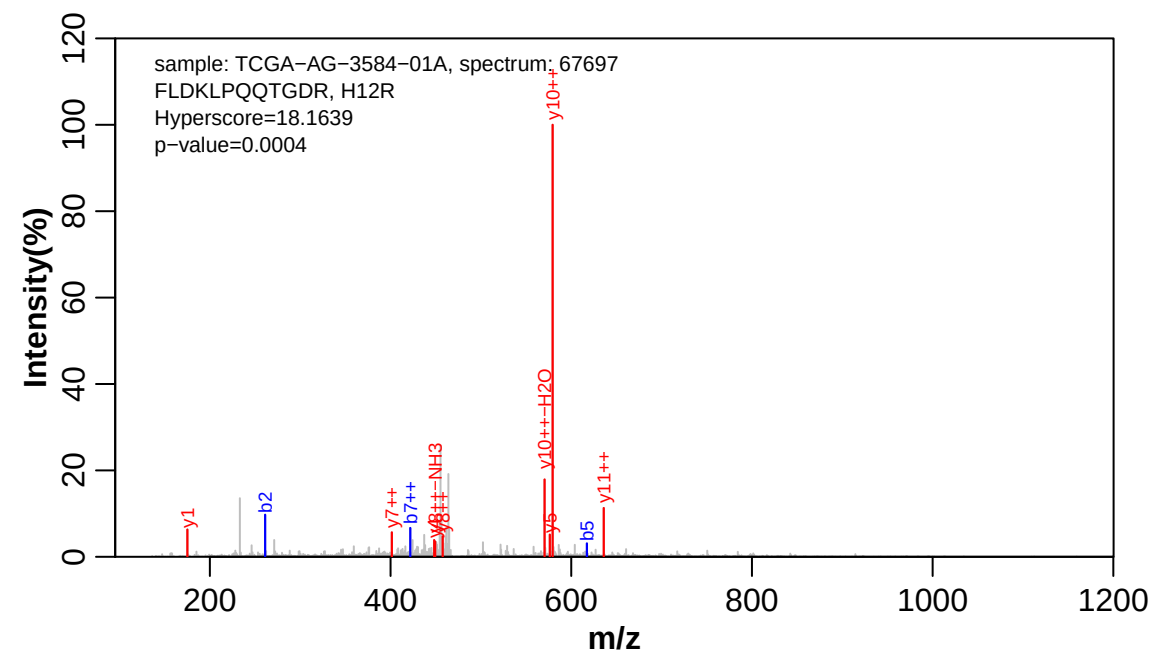

sample: TCGA−AG−3584−01A, spectrum: 18461
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=23.6145
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
y5−H2O
b5−NH3
b5
y6−H2O
y6
b6
y7−NH3
y8
b8−H2O
b8
y9
b9
y11
b10
b11−H2O
y12
b12
b13
y14

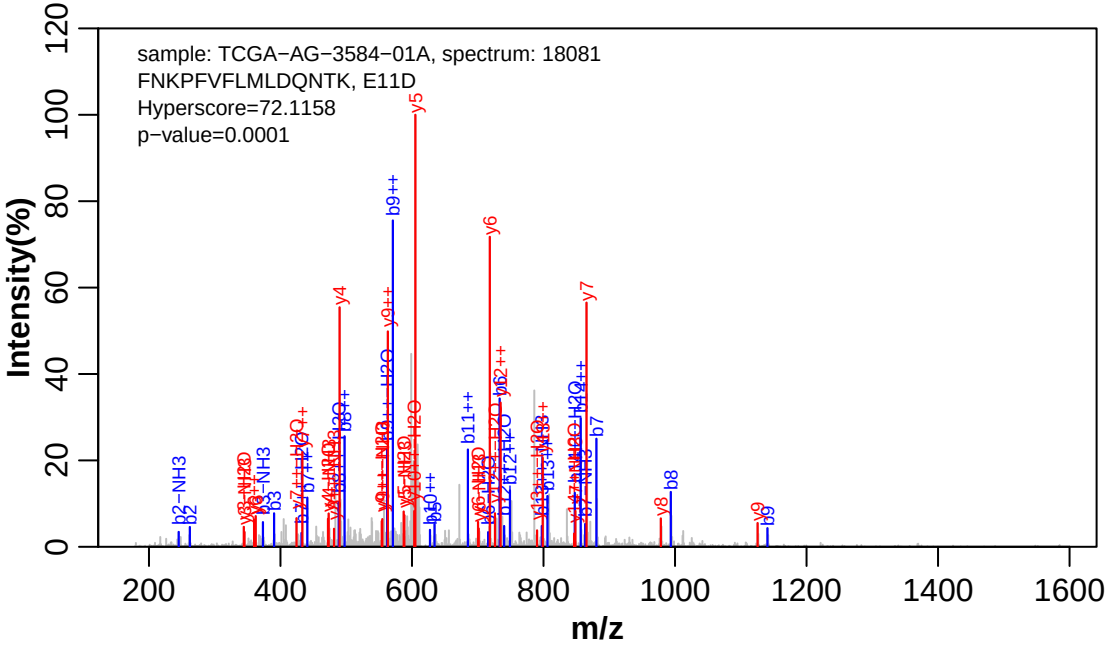

sample: TCGA−AG−3584−01A, spectrum: 29936
DLGDLLEATGFDR, E10G
Hyperscore=43.9588
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y4
b6
y6
y8
b5
y5
b7
b9
y2
b4
y3
b5−H2O
y5−H2O
b8
y8−NH3
b9−H2O
b10−H2O
y9
b11−H2O
y11
b12

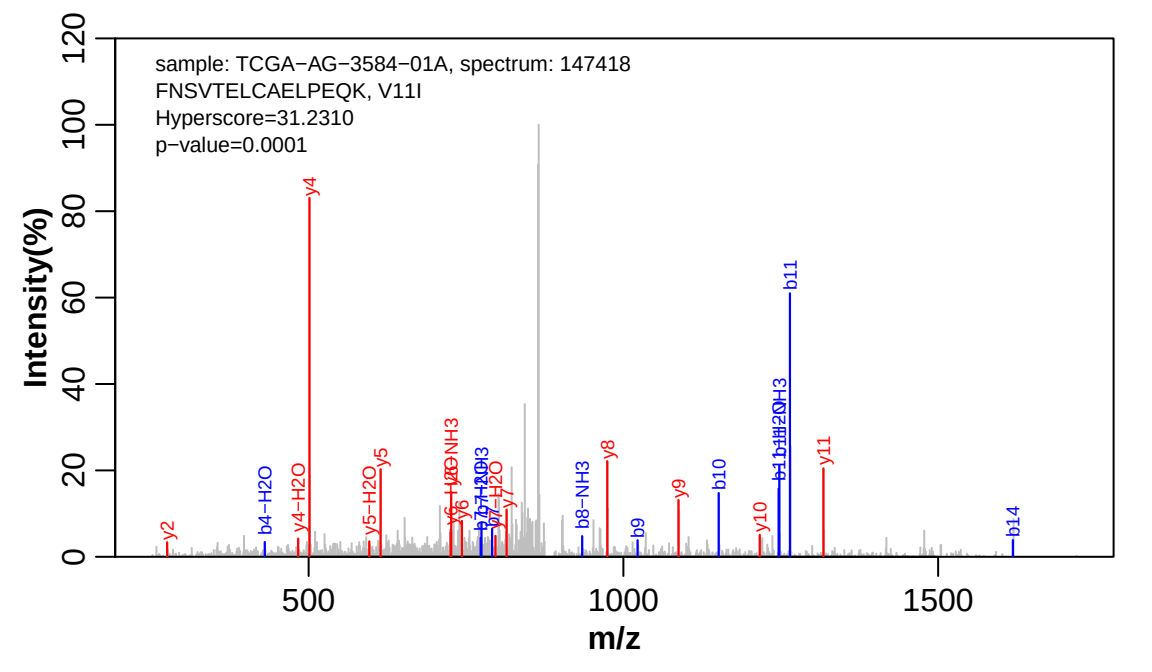

sample: TCGA−AG−3584−01A, spectrum: 108038
DVDGLTSLNAGR, K12R
Hyperscore=33.0998
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b3
b4
b5−H2O
b5
y4
y5
b6−NH3
b6−H2O
b6
y6−NH3
y6
b7−H2O
b7
y7
b8−H2O
b8
y8−H2O
y8
y9
b9
b10
y10

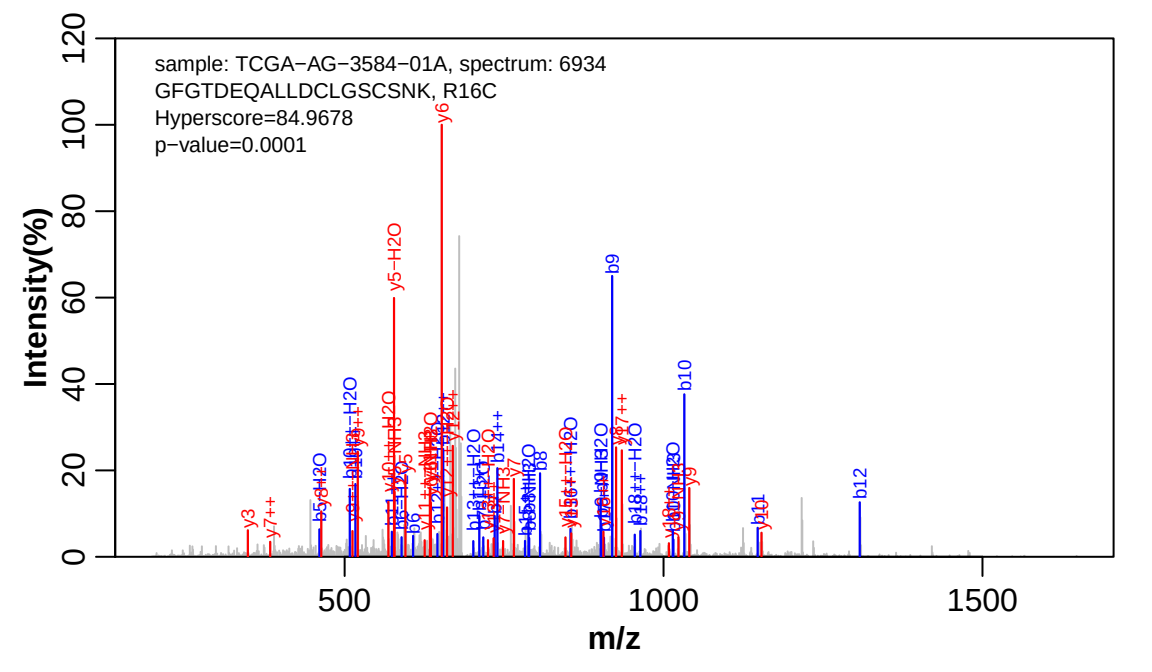

sample: TCGA−AG−3584−01A, spectrum: 51233
EALDVLDAVLK, G7D
Hyperscore=24.1937
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−NH3
b4−H2O
b4
y4
b5−H2O
b5−NH3
b5
y5
b6−NH3
b6−H2O
b6
y6
b7−H2O
y7
b8−H2O
y8
b9−NH3
b9−H2O
b9
y9
b10
b10−H2O

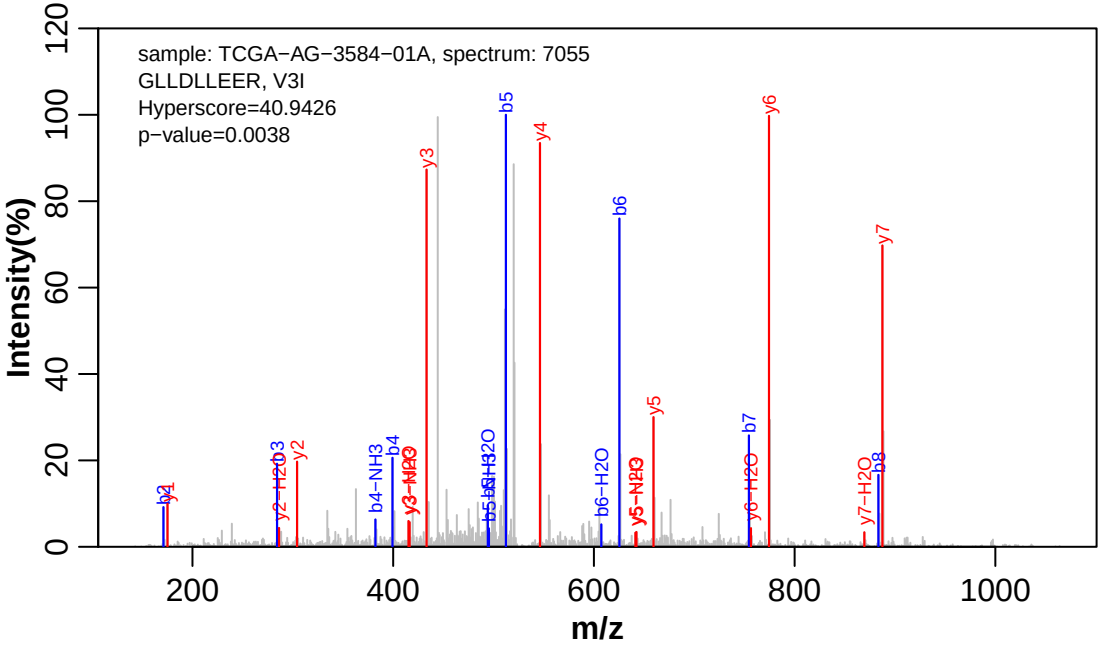

sample: TCGA−AG−3584−01A, spectrum: 818
EASQGSSASSAPQSVK, H13Q
Hyperscore=34.8328
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4−H2O
y4−H2O
y4
y5
b7−NH3
b7−H2O
b7
y7
y8
b11−NH3
b11−H2O
y10
b11
b12−H2O
y11
y12
b13
b15

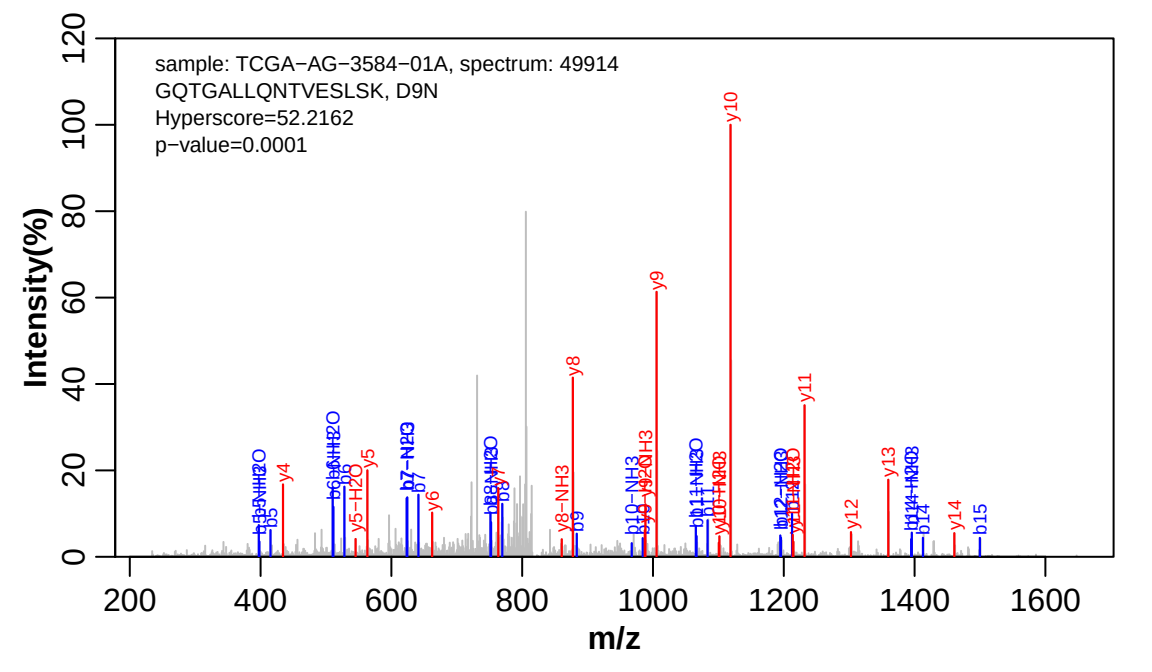

sample: TCGA−AG−3584−01A, spectrum: 67697
FLDKLPQQTGDR, H12R
Hyperscore=18.1639
p−value=0.0004
Intensity(%)
m/z
y1
b2
y7++
b7++
y8++−NH3
y8
y10++−H2O
y10++
b5
y11++

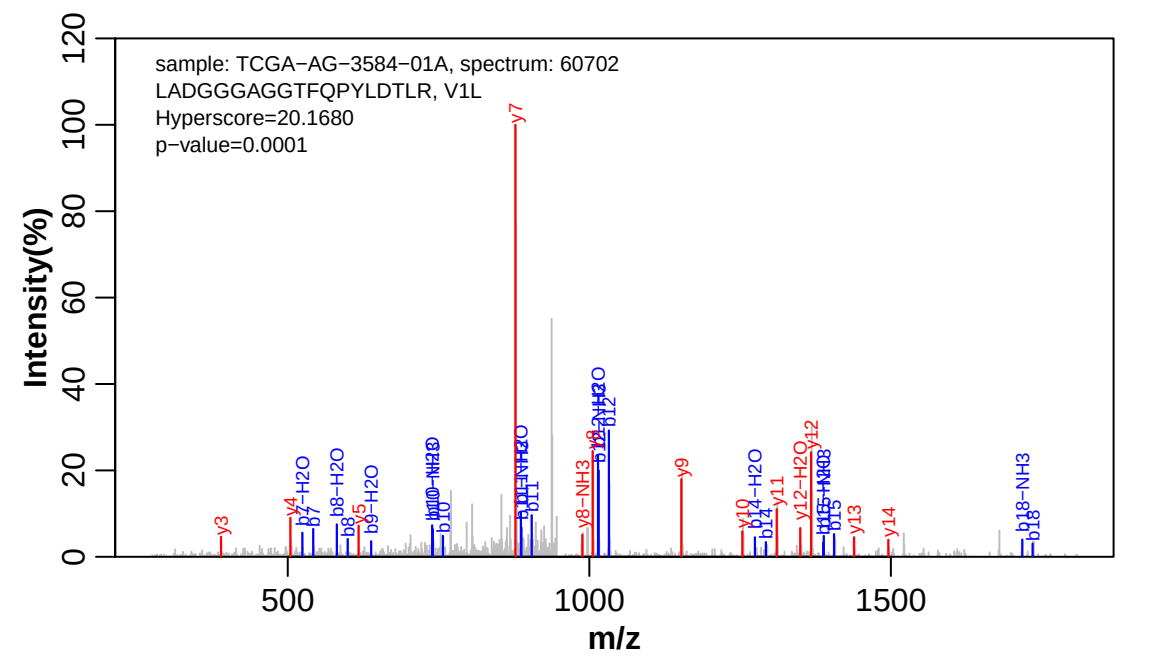

sample: TCGA−AG−3584−01A, spectrum: 18081
FNKPFVFLMLDQNTK, E11D
Hyperscore=72.1158
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
b9++
y6
y4
y9++
y7
b11++
b7
b8
y8
y9
b2−NH3
b2

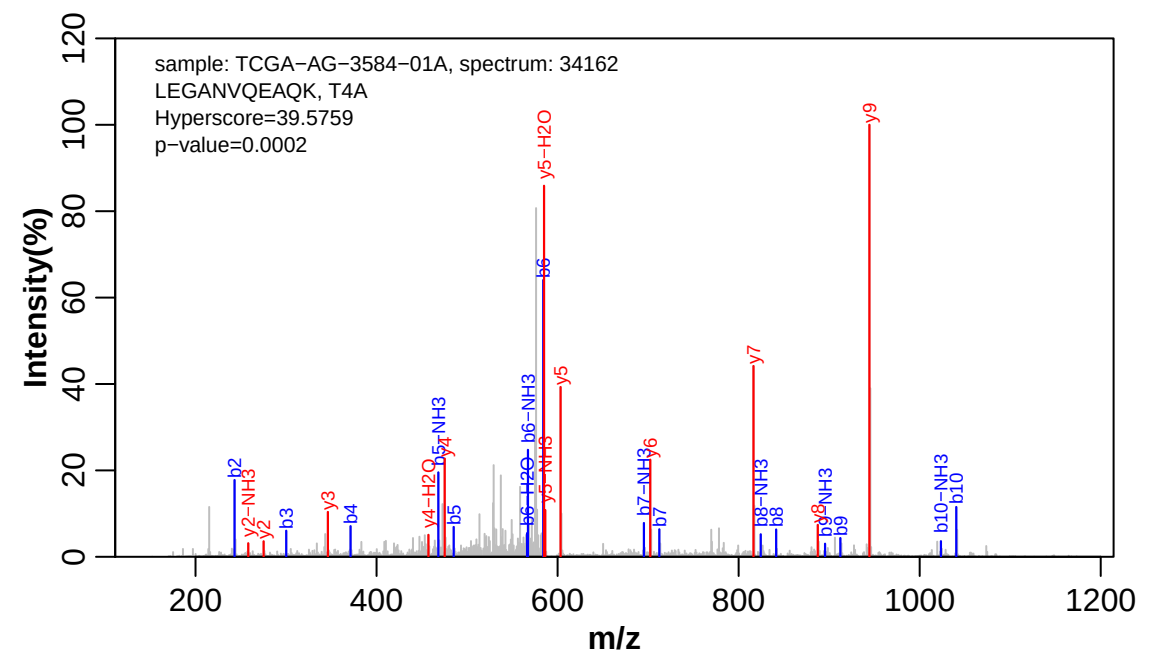

sample: TCGA−AG−3584−01A, spectrum: 147418
FNSVTELCAELPEQK, V11I
Hyperscore=31.2310
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b4−H2O
y4
y4−H2O
y5−H2O
y5
b8−NH3
y8
b9
y9
b10
y10
b11
y11
b14

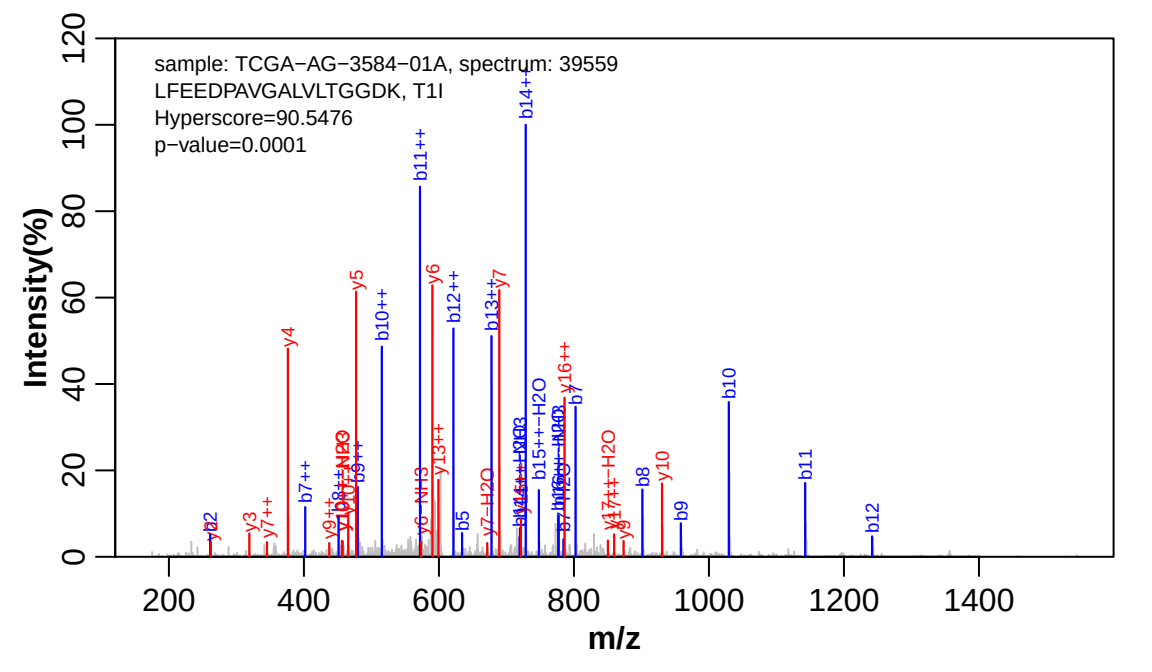

sample: TCGA−AG−3584−01A, spectrum: 6934
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=84.9678
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y3
y7++
y11
y10

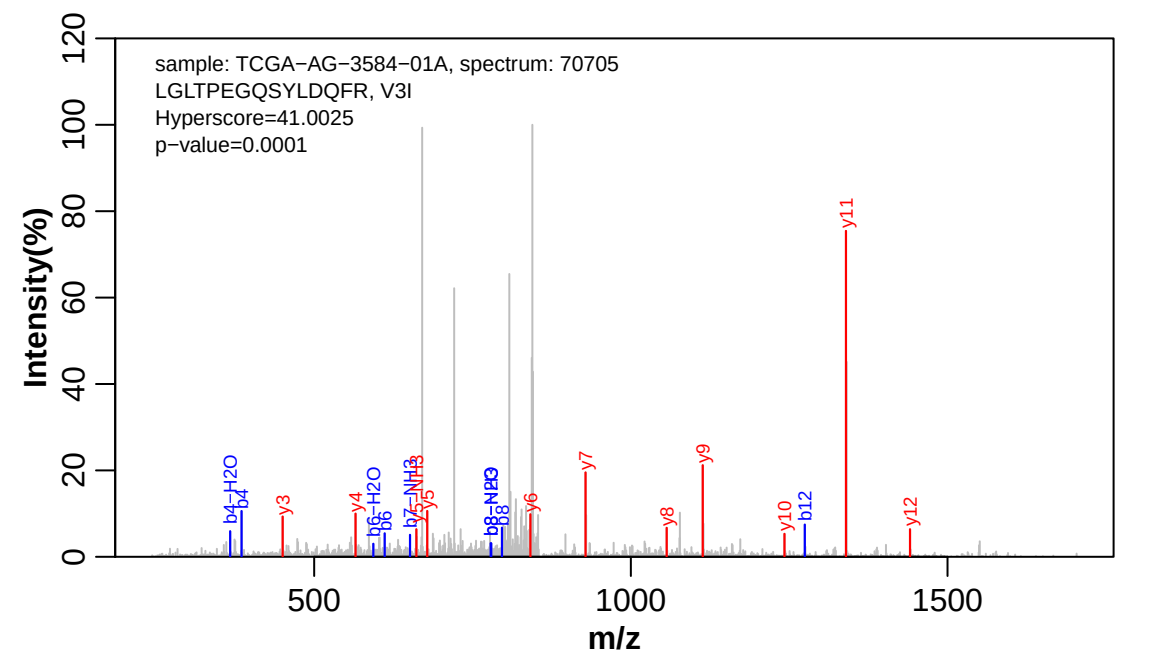

sample: TCGA−AG−3584−01A, spectrum: 7055
GLLDLLEER, V3I
Hyperscore=40.9426
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b1
y1
y2−H2O
y2
b4−NH3
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
b6−H2O
b6
y5−NH3
y5−H2O
y5
y6−H2O
b7
y6
y7−H2O
b8
y7

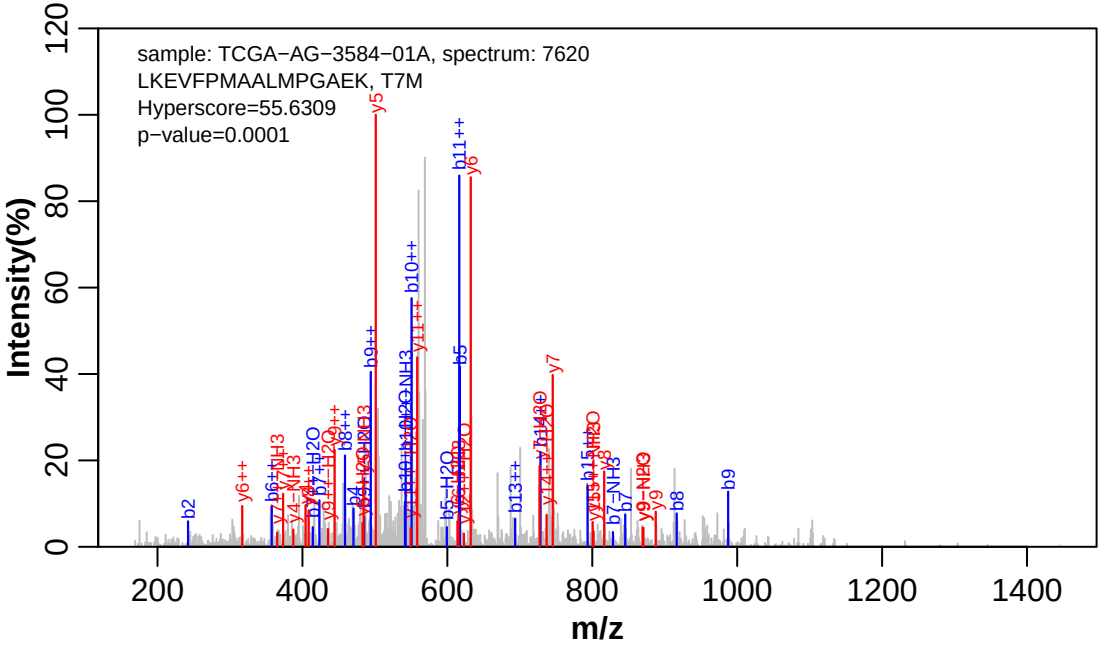

sample: TCGA−AG−3584−01A, spectrum: 49914
GQTGALLQNTVESLSK, D9N
Hyperscore=52.2162
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y12
y14
b15
y4
y5
y6
b9
b5
b6
b7
b8
b10
b11
b12
b13
b14

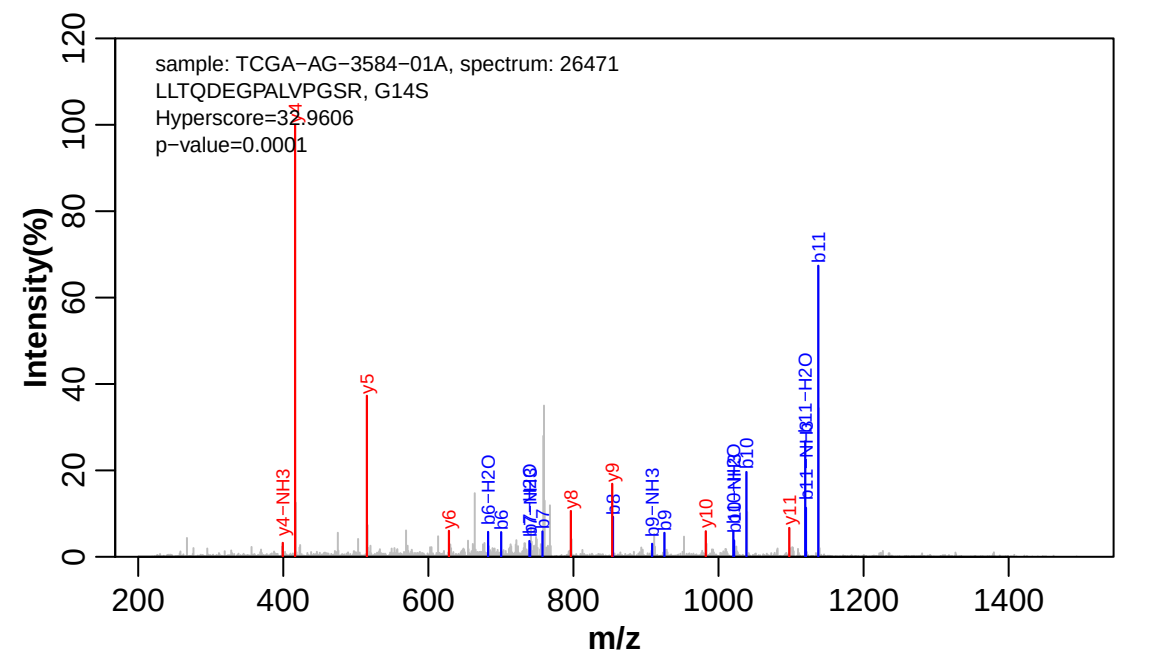

sample: TCGA−AG−3584−01A, spectrum: 60702
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=20.1680
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y7
y3
y4
b7−H2O
b8−H2O
y5
b9−H2O
y8−NH3
y9
y10
b14−H2O
y11
y12−H2O
y13
y14
b18−NH3

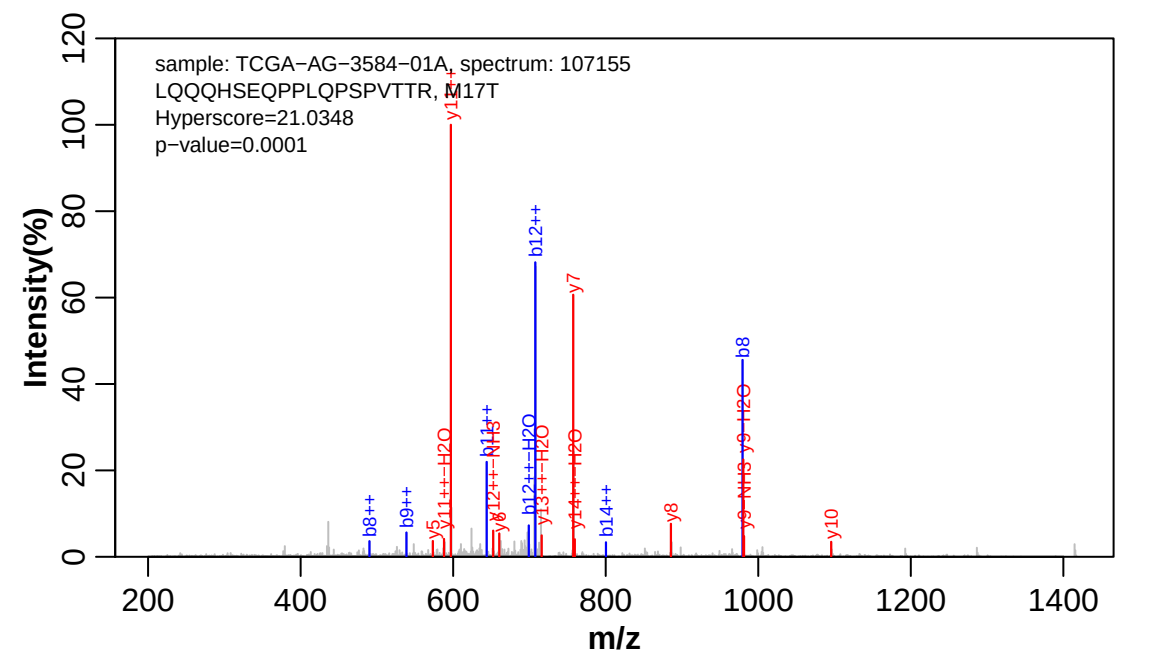

sample: TCGA−AG−3584−01A, spectrum: 34162
LEGANVQEAQK, T4A
Hyperscore=39.5759
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y9
y5−H2O
b6
y7
y5
y6
y4
b5−NH3
b6−NH3
y5−NH3
b6−H2O
y4−H2O
b7−NH3
b8−NH3
b10−NH3
y8−NH3
b2
y2−NH3
y2
b3
y3
b4
b5
b7
b8
b8
b9
b9
b10

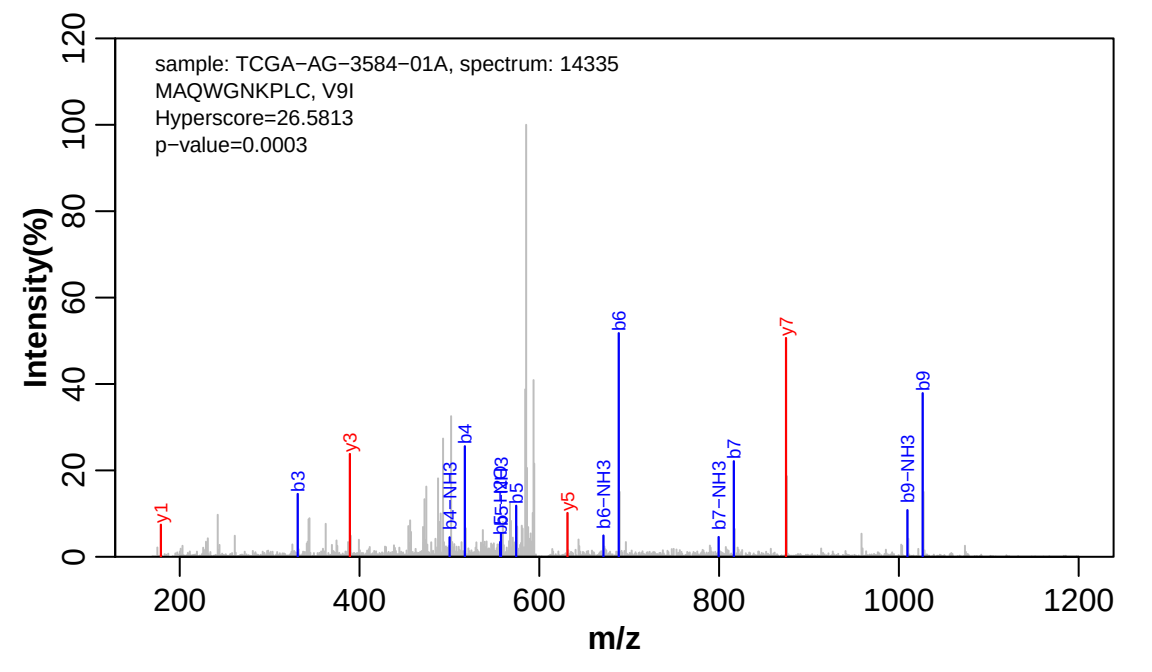

sample: TCGA−AG−3584−01A, spectrum: 39559
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=90.5476
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b14++
b11++
y6
y5
b12++
b10++
y4
b13++
y7
y16++
b7
b10
b11
b12
b8
y10
b9
b5
b7++
y13++
y7−H2O
y6−NH3
y3
y7++
y2
b2

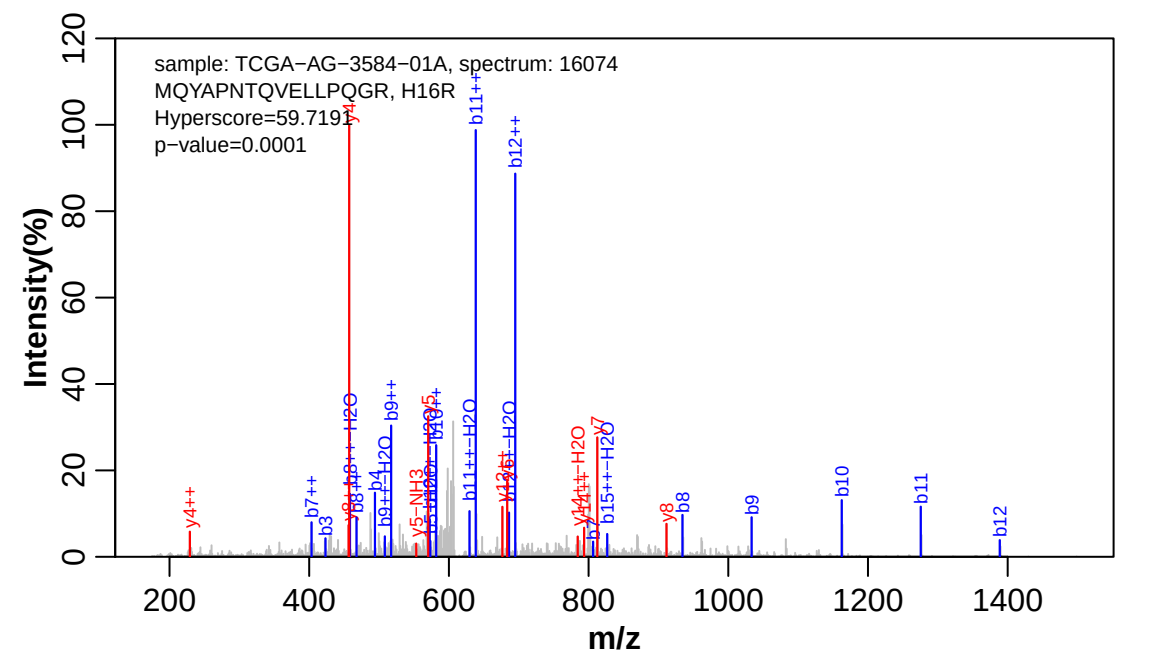

sample: TCGA−AG−3584−01A, spectrum: 70705
LGLTPEGQSYLDQFR, V3I
Hyperscore=41.0025
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4−H2O
b4
y3
y4
b6−H2O
b6
b7−NH3
y5
b8−NH3
b8
y6
y7
y8
y9
y10
b12
y11
y12

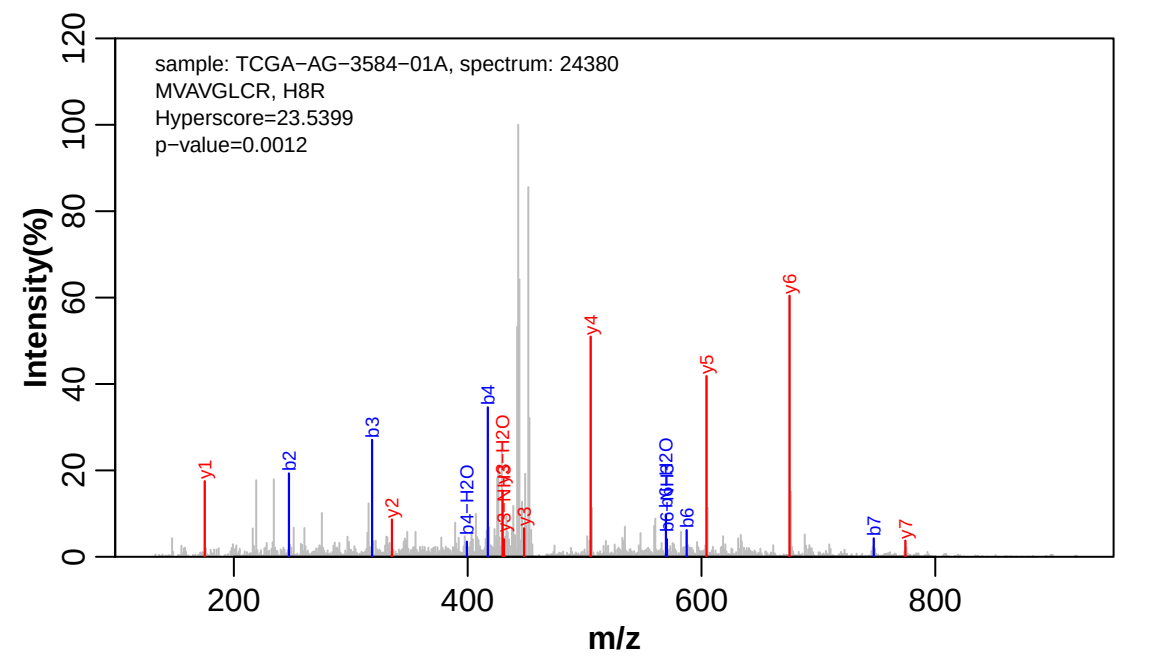

sample: TCGA−AG−3584−01A, spectrum: 7620
LKEVFPMAALMPGAEK, T7M
Hyperscore=55.6309
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
b11++
y6
b10++
y11++
b9++
b5
y7
b2
y6++
b13++
b9
b8

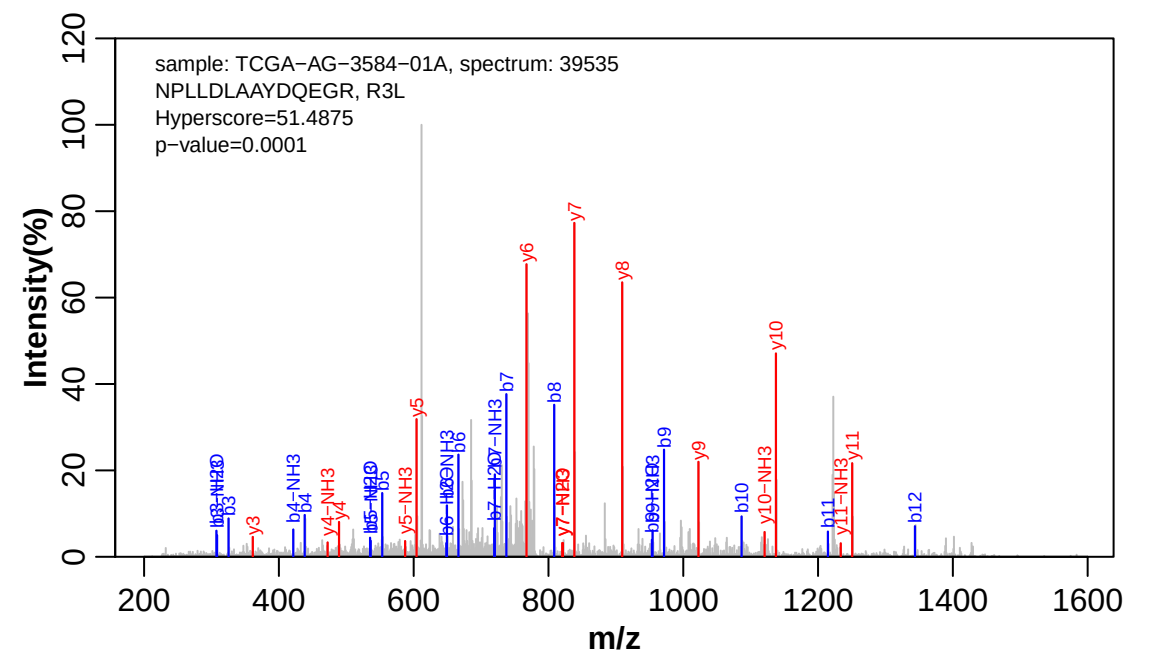

sample: TCGA−AG−3584−01A, spectrum: 26471
LLTQDEGPALVPGSR, G14S
Hyperscore=32.9606
p−value=0.0001
Intensity(%)
m/z
y4
y5
y6
y8
y10
y11
y4−NH3
b6−H2O
b8
b8−y9
b9−NH3
b9
b10
b11
b11−H2O
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

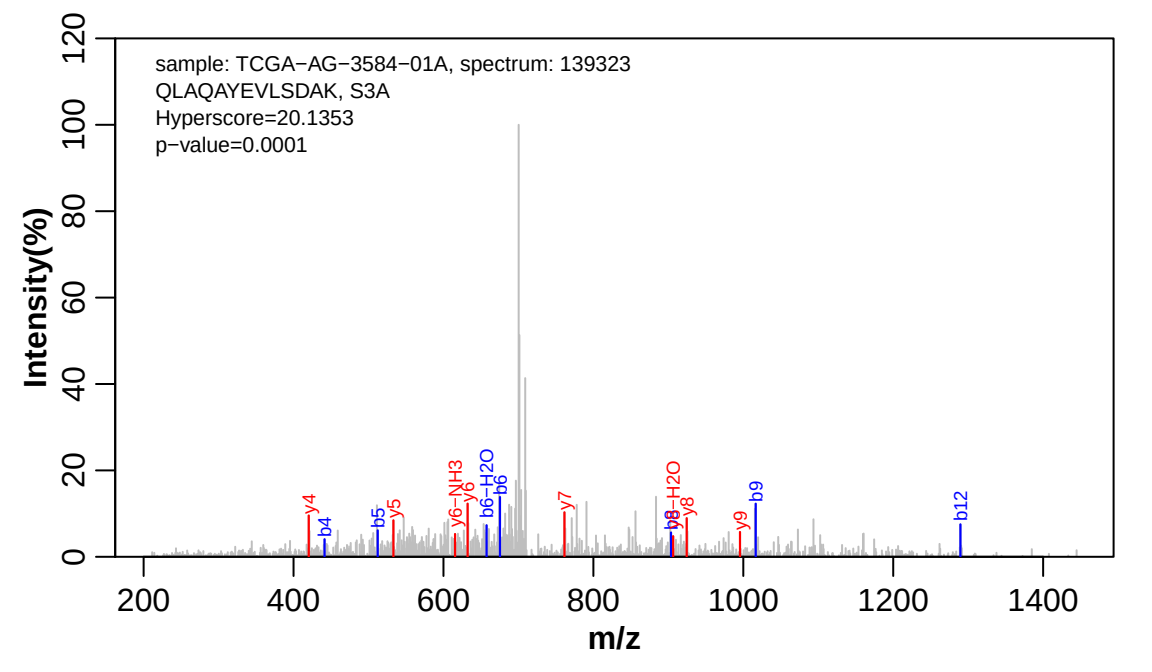

sample: TCGA−AG−3584−01A, spectrum: 107155
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.0348
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y12++
b12++
y7
b8
y9−NH3 y9−H2O
y10
b8++
b9++
y5
y11++−H2O
b11++
y12++−NH3
y8
b12++−H2O
y13++−H2O
y14++−H2O
b14++
y8

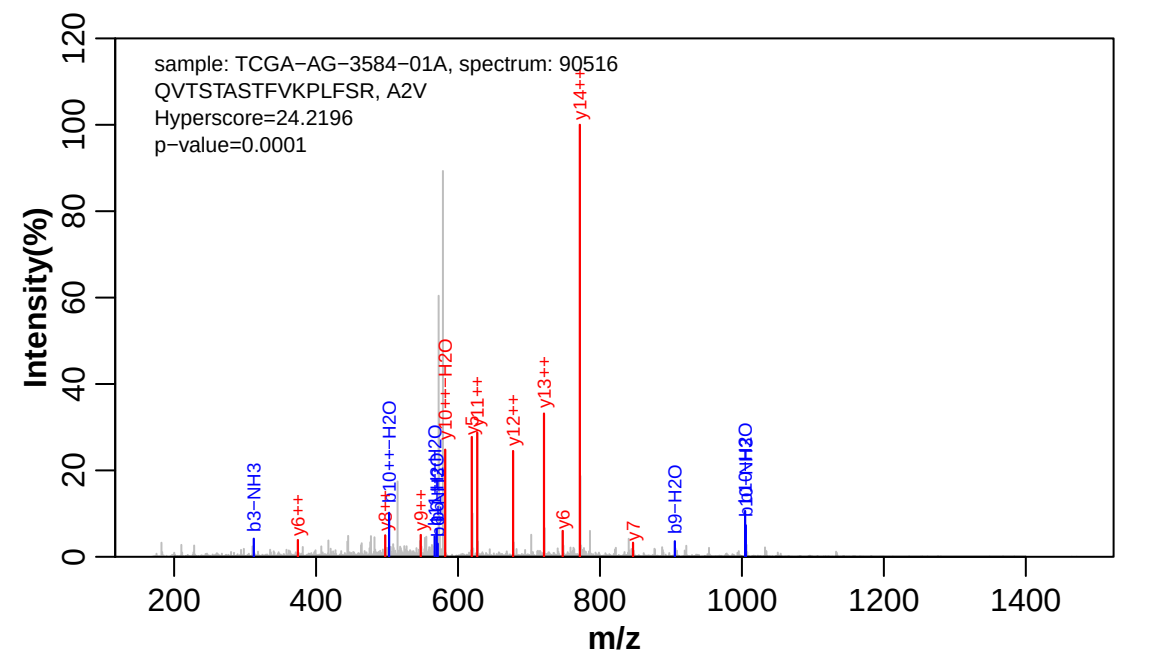

sample: TCGA−AG−3584−01A, spectrum: 14335
MAQWGNKPLC, V9I
Hyperscore=26.5813
p−value=0.0003
Intensity(%)
m/z
y1
b3
y3
b4
b4−NH3
b5
y5
b6
b6−NH3
y7
b7
b7−NH3
b9
b9−NH3

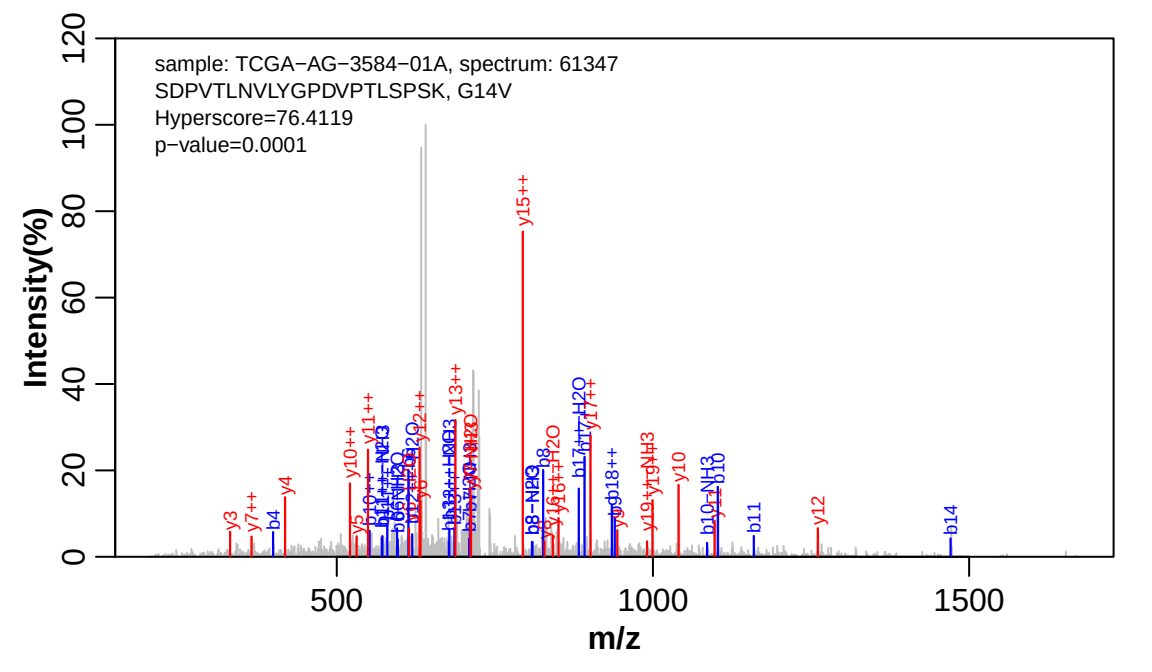

sample: TCGA−AG−3584−01A, spectrum: 16074
MQYAPNTQVELLPQGR, H16R
Hyperscore=59.7191
p−value=0.0001
Intensity(%)
m/z
y4++
b7++
b3
y4
y8++−H2O
b4
b9++−H2O
b9++
y5−NH3
b10++
b11++
b11++−H2O
b12++
b12++−H2O
y14++−H2O
y7
b15++−H2O
y8
b8
b9
b10
b11
b12

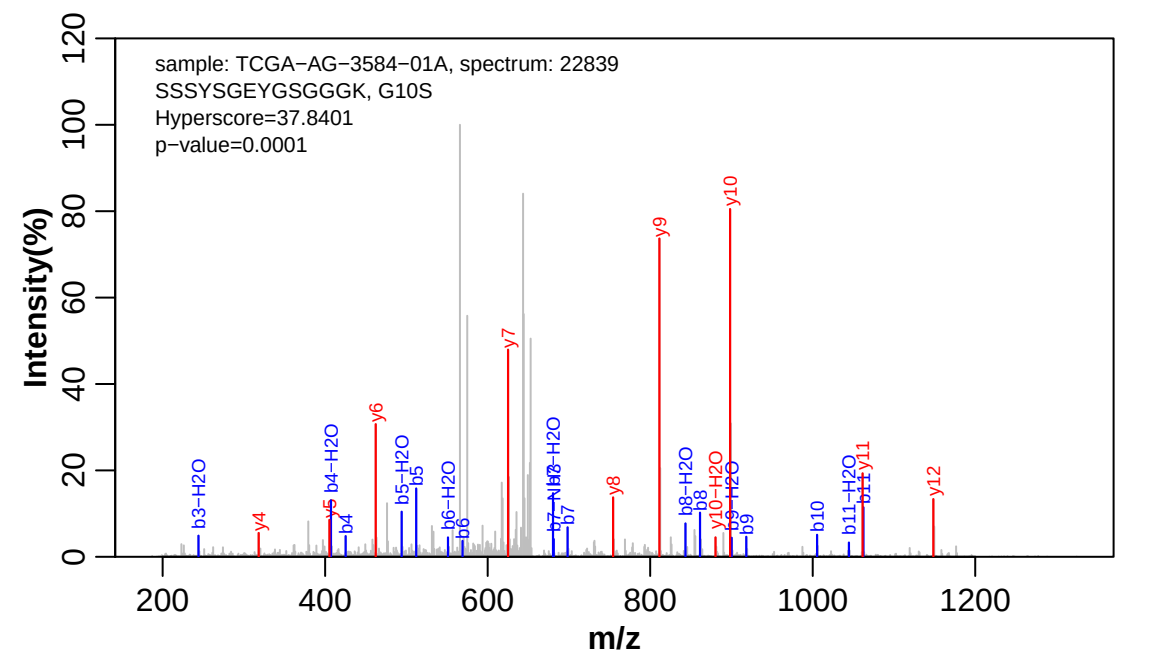

sample: TCGA−AG−3584−01A, spectrum: 24380
MVAVGLCR, H8R
Hyperscore=23.5399
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y2
b4−H2O
b4
y3−NH3−H2O
y3
y4
b6−H2O
b6
y5
y6
b7
y7

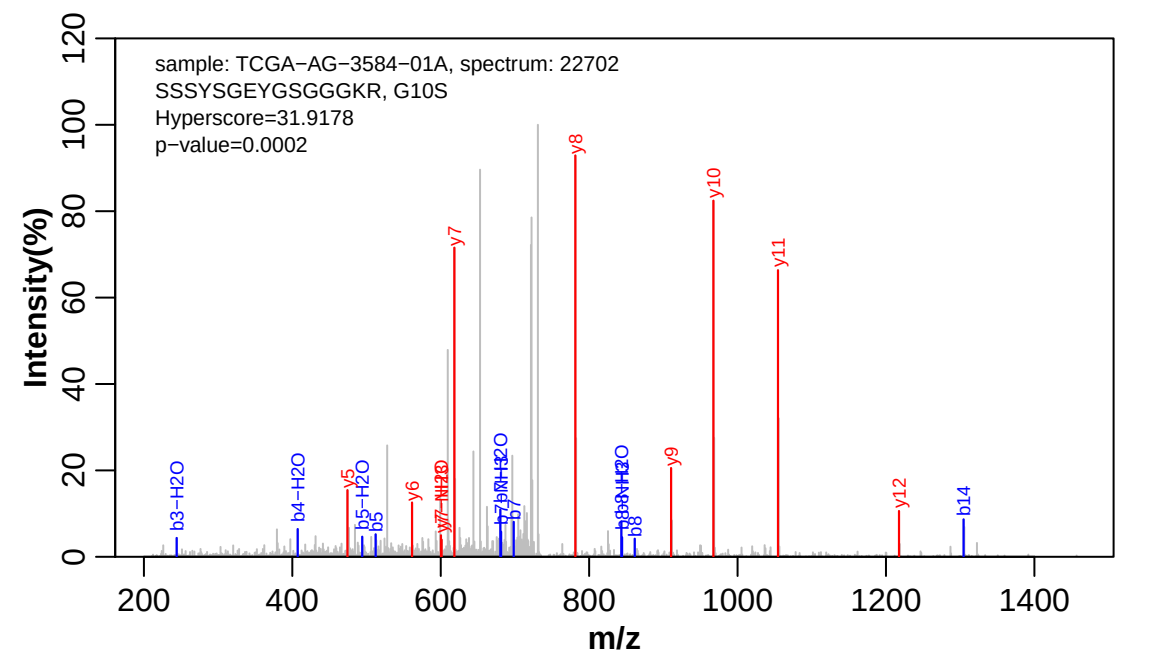

sample: TCGA−AG−3584−01A, spectrum: 39535
NPLLDLAAYDQEGR, R3L
Hyperscore=51.4875
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
b4−NH3
b4
y4−NH3
y4
y5−NH3
y5
b6
b7−NH3
b7
b8
y7
y6
y8
b9
y9
b10
y10−NH3
y10
b11
y11−NH3
y11
b12

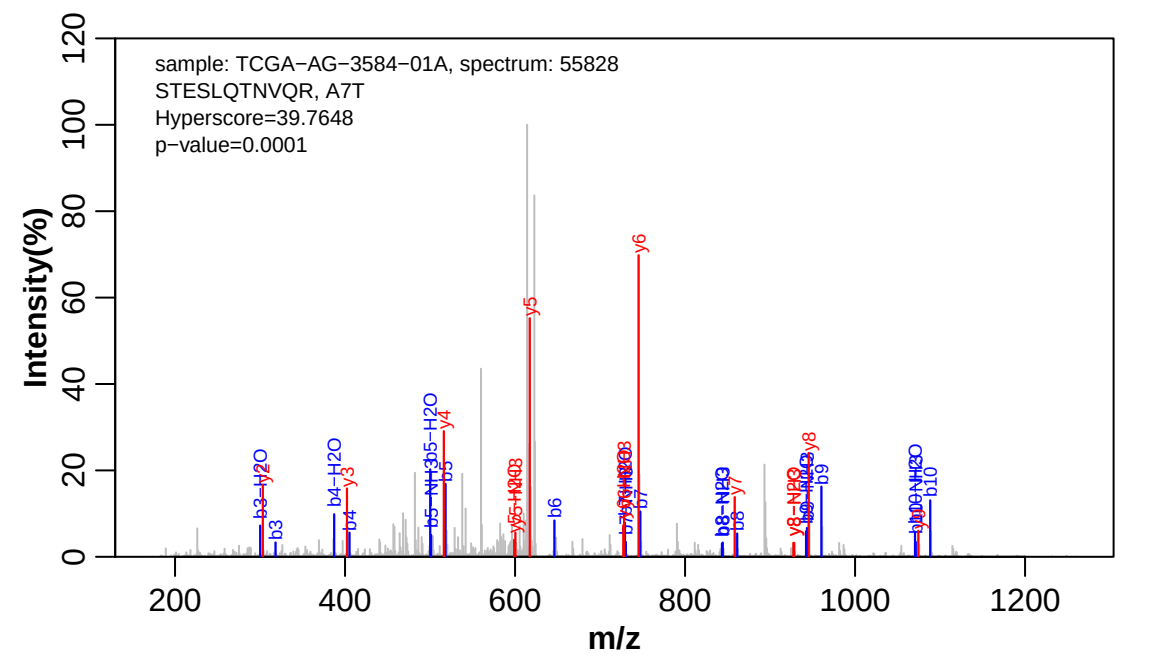

sample: TCGA−AG−3584−01A, spectrum: 139323
QLAQAYEVLSDAK, S3A
Hyperscore=20.1353
p−value=0.0001
Intensity(%)
m/z
y4
b4
b5
y5
y6−NH3
y6
b6−H2O
b6
y7
b8−H2O
b8
y8
y9
b9
b12

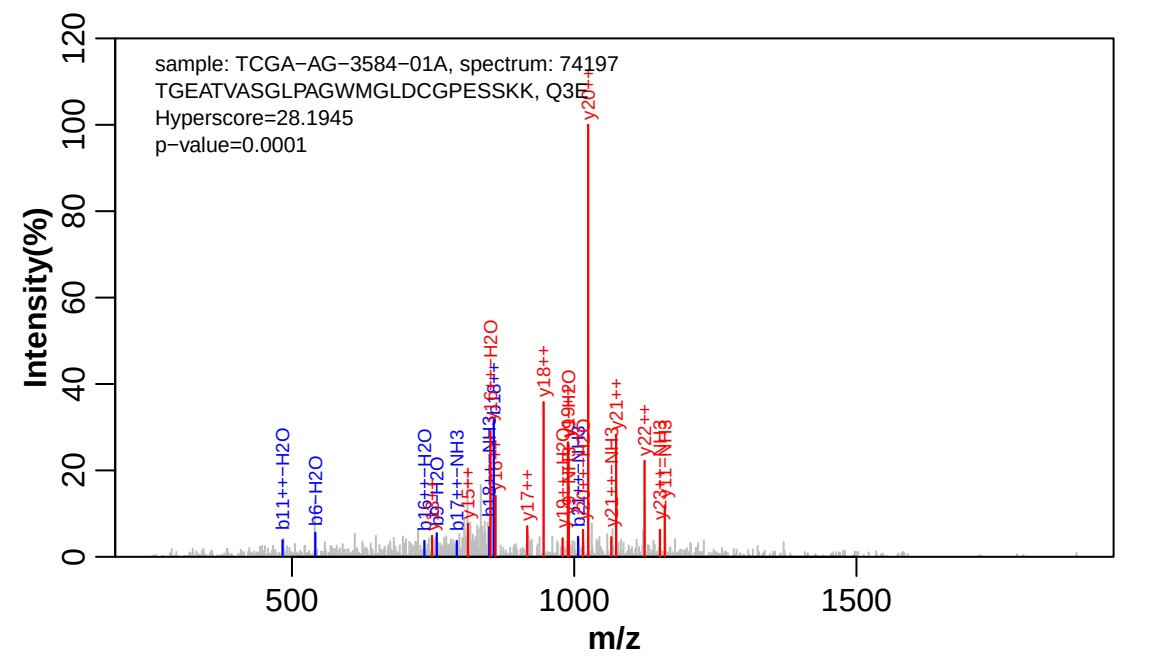

sample: TCGA−AG−3584−01A, spectrum: 90516
QVTSTASTFVKPLFSR, A2V
Hyperscore=24.2196
p−value=0.0001
Intensity(%)
m/z
b3−NH3
y6++
b10++−H2O
y14++
y13++
y12++
y11++
y10++−H2O
y6
y7
b9−H2O

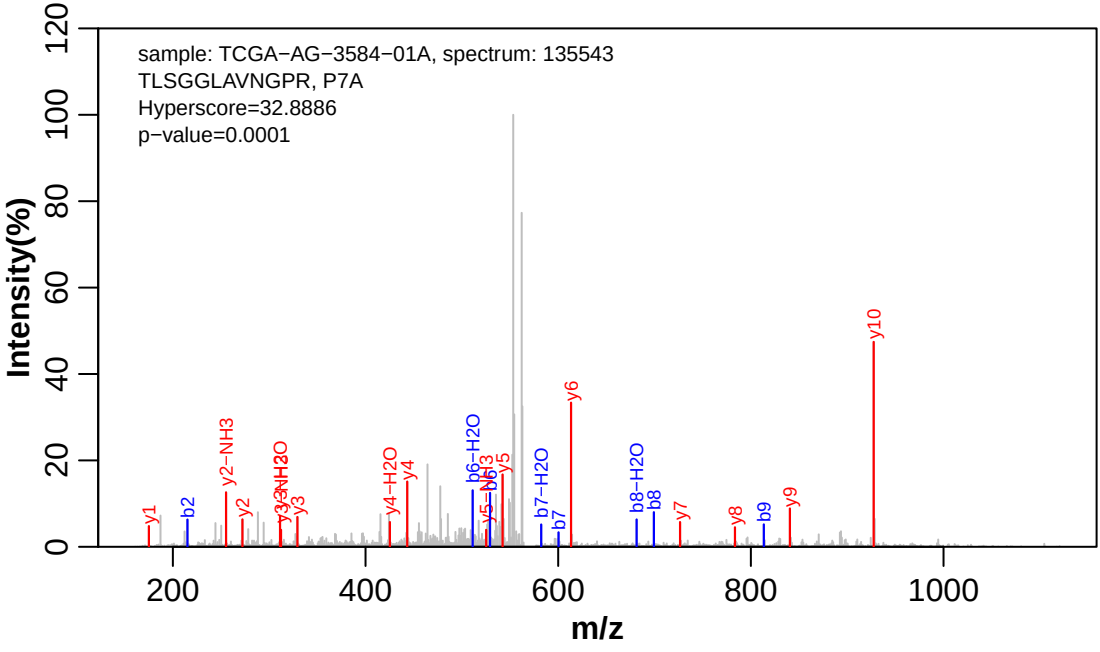

sample: TCGA−AG−3584−01A, spectrum: 61347
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=76.4119
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y7++
b4
y4
y10++
y5
y11++
y15++
y12++
y13++
y17++
y10
y12
b14
b11

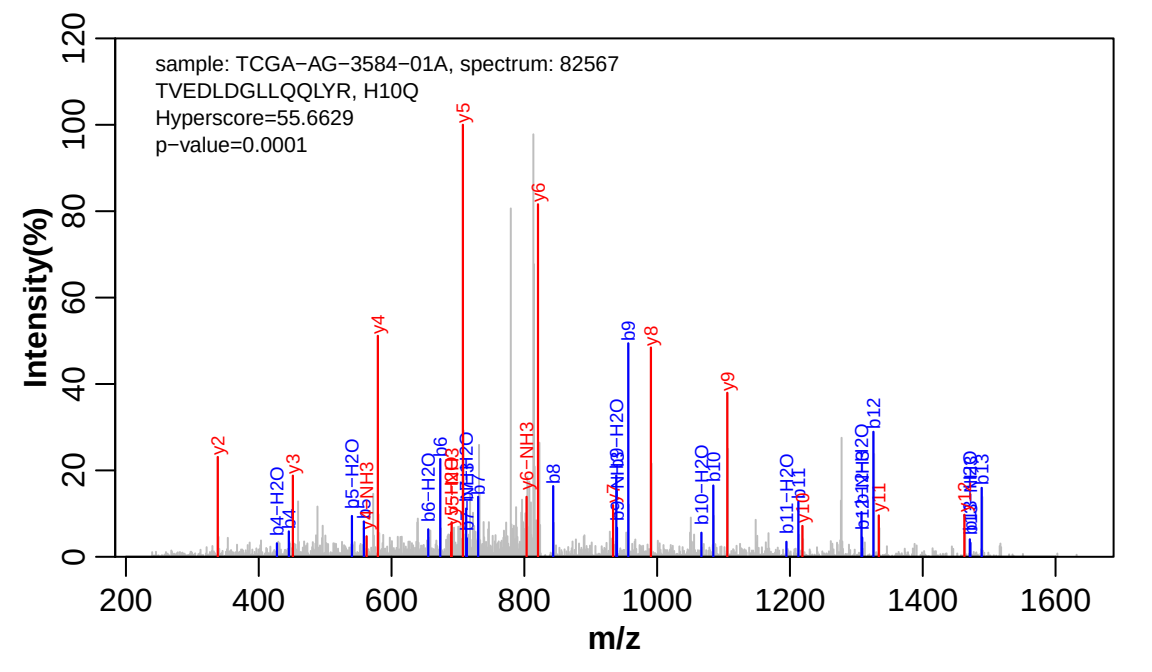

sample: TCGA−AG−3584−01A, spectrum: 22839
SSSYSGEYGSGGGK, G10S
Hyperscore=37.8401
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
b4−H2O
y5
b4
y6
b5−H2O
b5
b6−H2O
b6
y7
b7−H2O
b7
y8
b8−H2O
b8
y9
y10−H2O
y10
b9−H2O
b9
b10
b11−H2O
b11
y11
y12

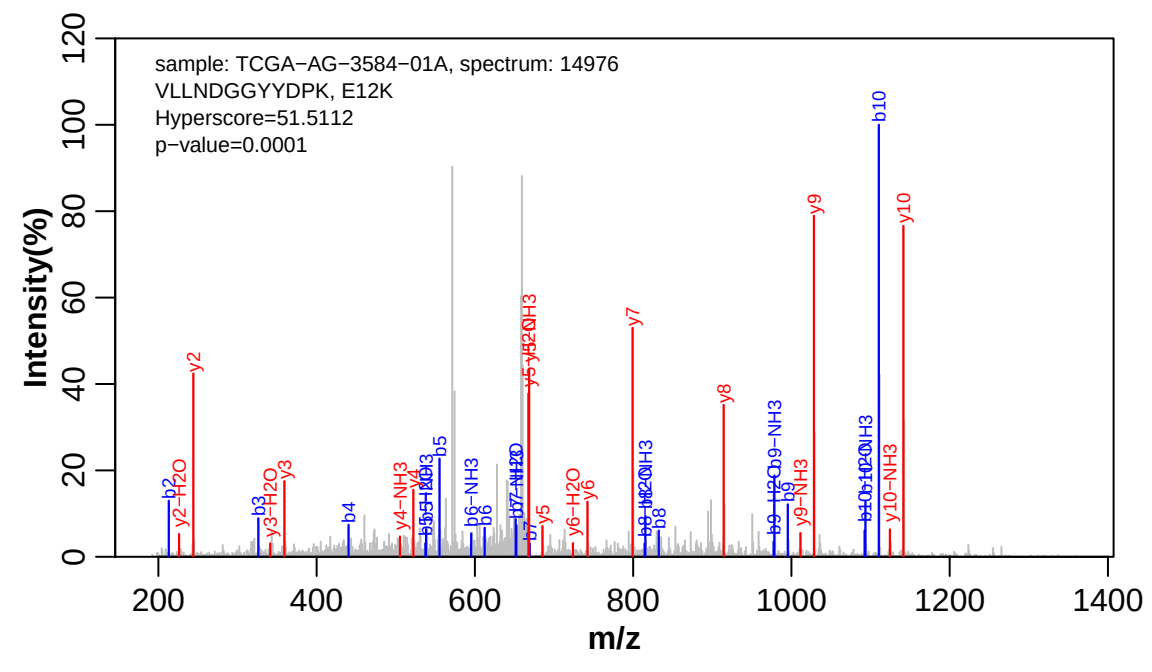

sample: TCGA−AG−3584−01A, spectrum: 22702
SSSYSGEYGSGGGKR, G10S
Hyperscore=31.9178
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b4−H2O
y5
b5−H2O
b5
y6
y7
y8
y9
y10
y11
y12
b14
b8

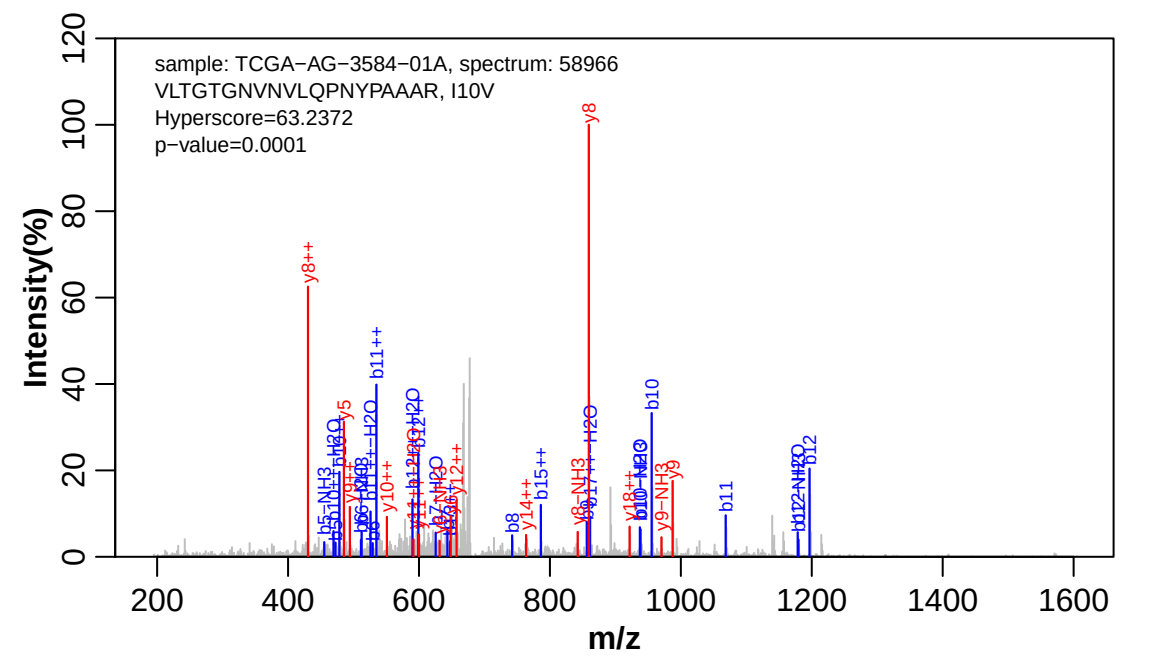

sample: TCGA−AG−3584−01A, spectrum: 55828
STESLQTNVQR, A7T
Hyperscore=39.7648
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
b4−H2O
y3
b4
b5−NH3
b5−H2O
b5
y4
y5−H2O
y5
b6
y6
b7
b8−NH3
b8−H2O
b8
y7
b9
y8
b10−NH3
b10−H2O
b10
b11
y10

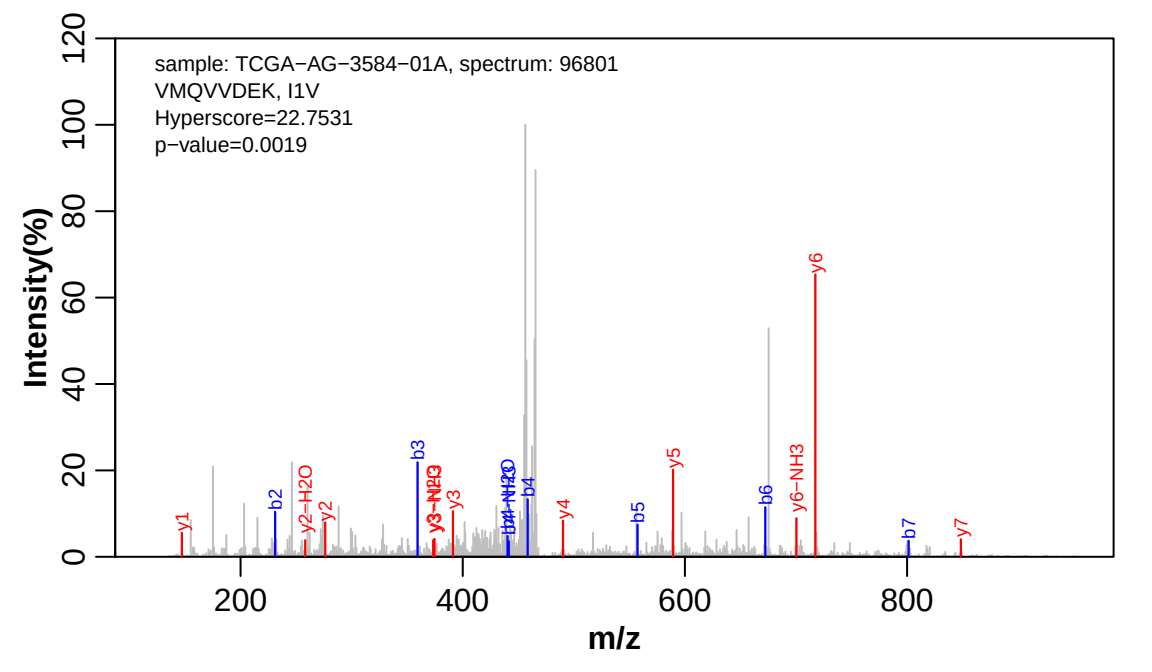

sample: TCGA−AG−3584−01A, spectrum: 74197
TGEATVASGLPAGWMGLDCGPESSKK, Q3E
Hyperscore=28.1945
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b11++−H2O
b6−H2O
b16++−H2O
b9−H2O
b17++−NH3
y15++
y17++
y18++
y20++
y21++−NH3
y21++
y22++
y23++−NH3

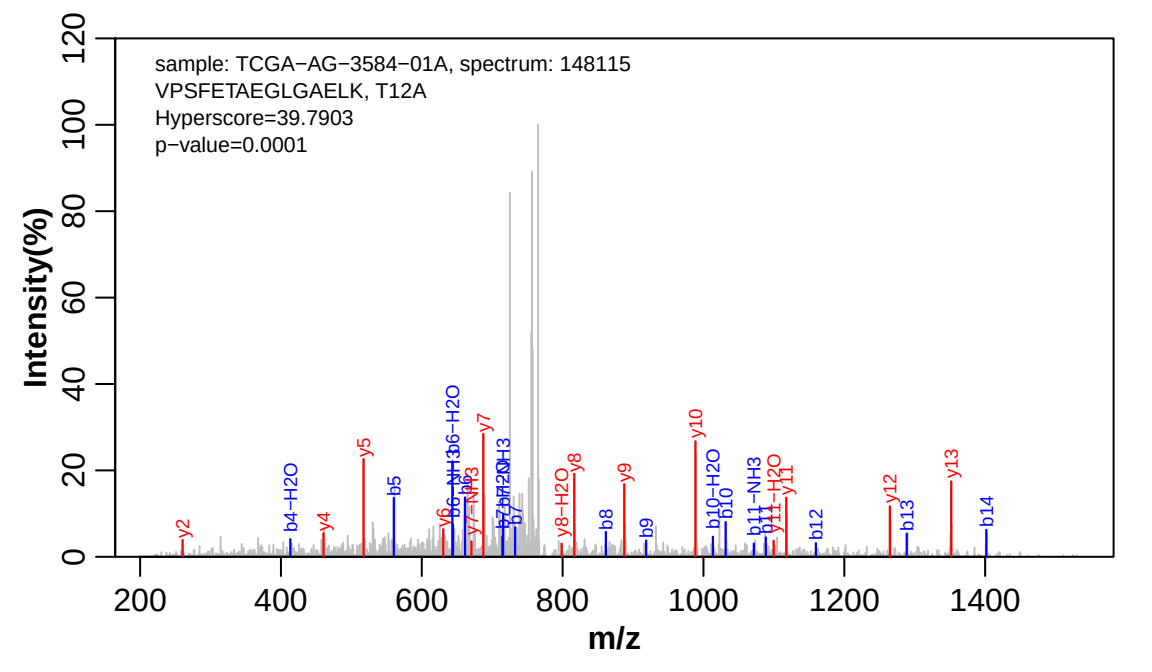

sample: TCGA−AG−3584−01A, spectrum: 135543
TLSGGLAVNGPR, P7A
Hyperscore=32.8886
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2−NH3
y2
y3−NH3
y3−H2O
y3
y4−H2O
y4
b6−H2O
b6
y5−NH3
y5
b7−H2O
b7
y6
b8−H2O
b8
y7
y8
b9
y9
y10

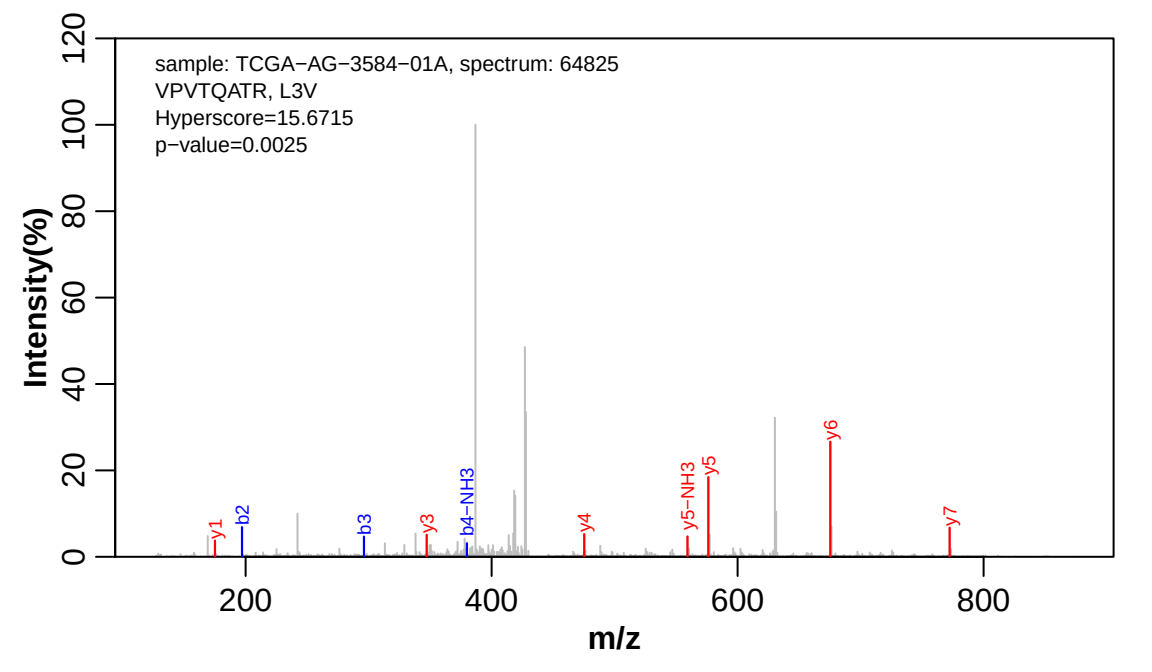

sample: TCGA−AG−3584−01A, spectrum: 82567
TVEDLDGLLQQLYR, H10Q
Hyperscore=55.6629
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y4
y2
y3
y8
b9
y9
b12
b8
b6
b5−H2O
b4−H2O
b10−H2O
b11−H2O
y6−NH3
y5−NH3
y11
b13

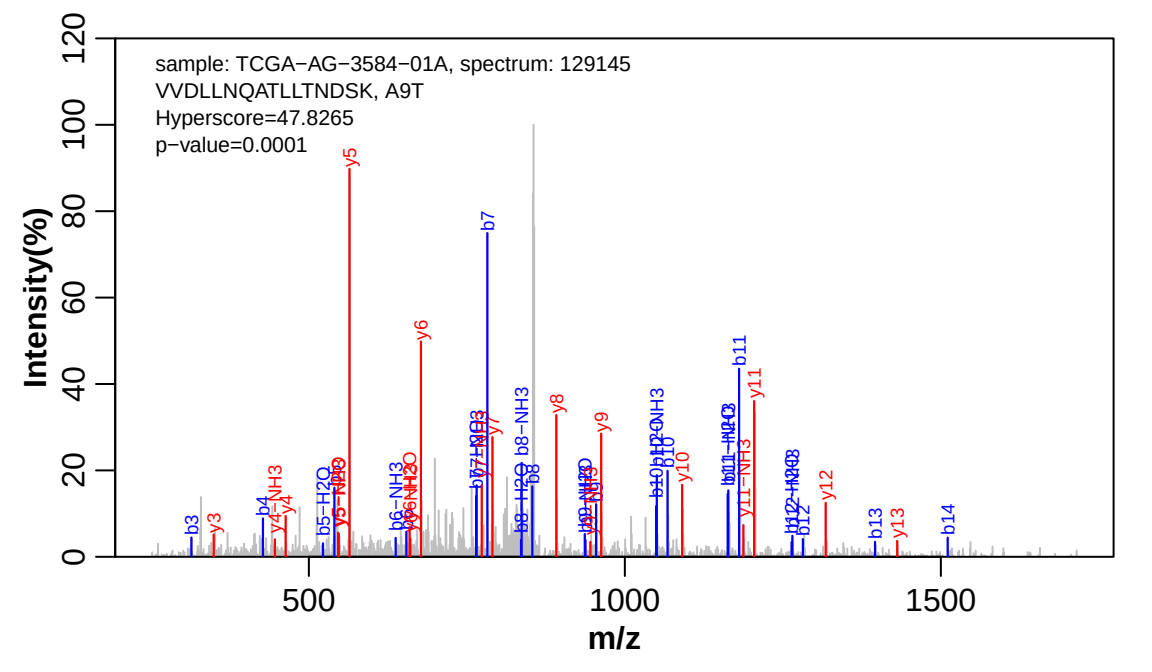

sample: TCGA−AG−3584−01A, spectrum: 14976
VLLNDGGYYDPK, E12K
Hyperscore=51.5112
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b10
y9
y10
y2
y7
y8
y5
y6
y4
b5
b6
b7
b8
b9
b2
b3
b4
y3
y2−H2O
y3−H2O
y4−NH3
b6−NH3
y6−H2O
y9−NH3
y10−NH3

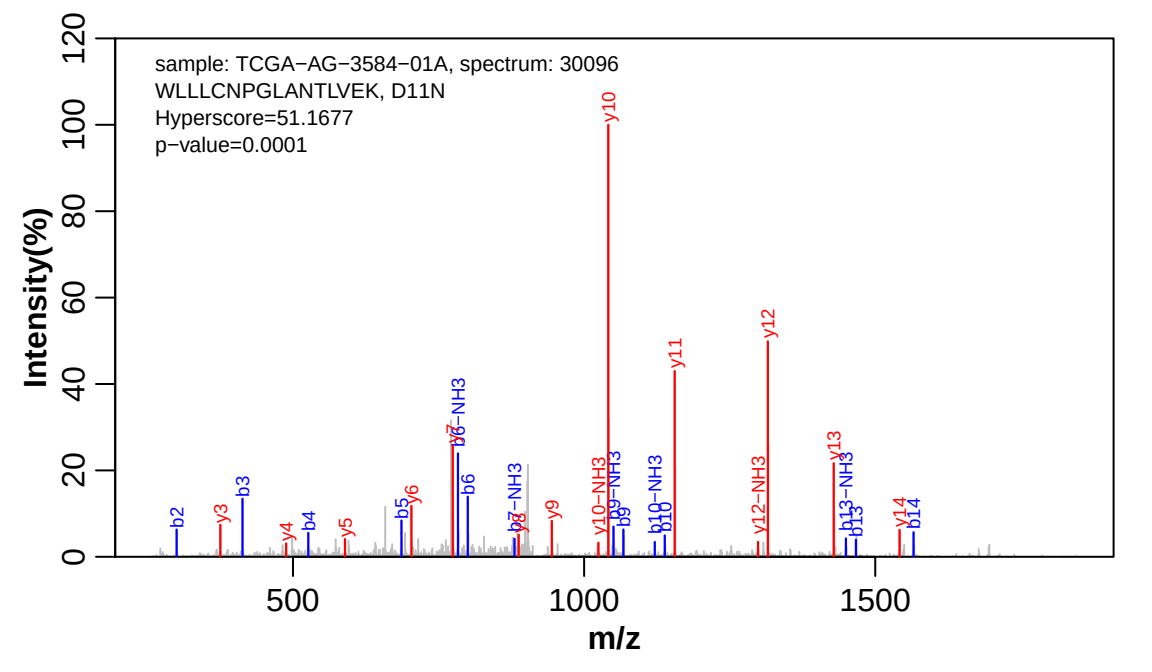

sample: TCGA−AG−3584−01A, spectrum: 58966
VLTGTGNVNVLQPNYPAAAR, I10V
Hyperscore=63.2372
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y8
y8++
b11++
b10
b11
b12
y10++
b15++
y14++
b8
y9−NH3
y8−NH3
y8++−H2O
y5

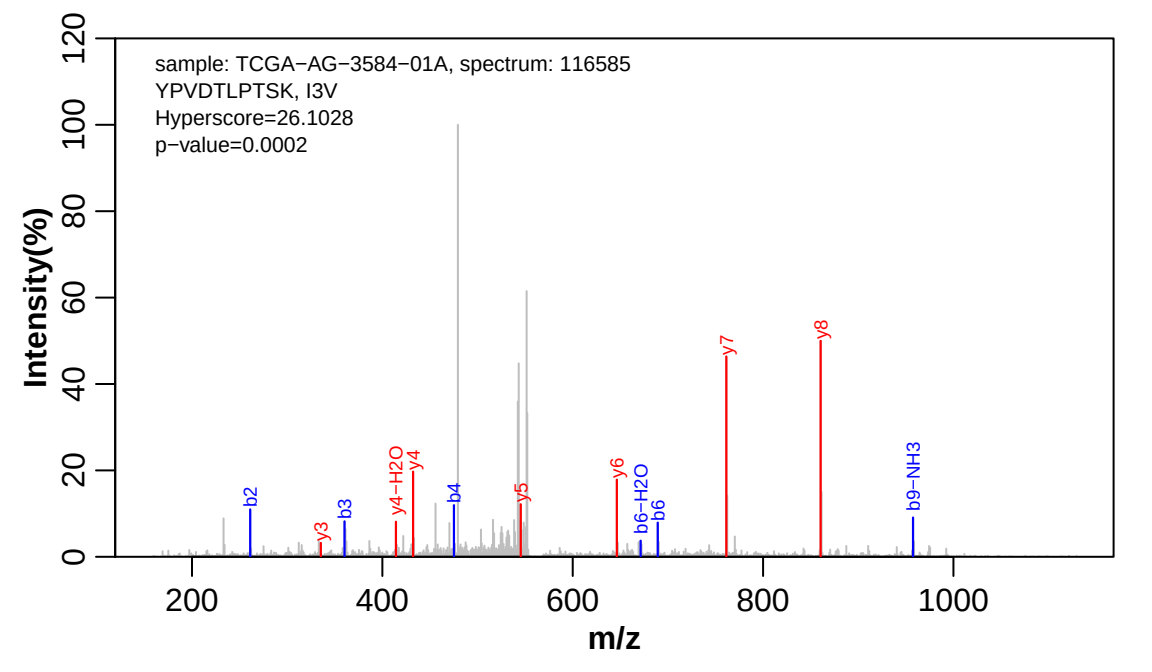

sample: TCGA−AG−3584−01A, spectrum: 96801
VMQVVDEK, I1V
Hyperscore=22.7531
p−value=0.0019
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2−H2O
y2
b3
y3−NH3
y3
b4−NH3
b4−H2O
b4
y4
b5
y5
b6
y6−NH3
y6
b7
y7

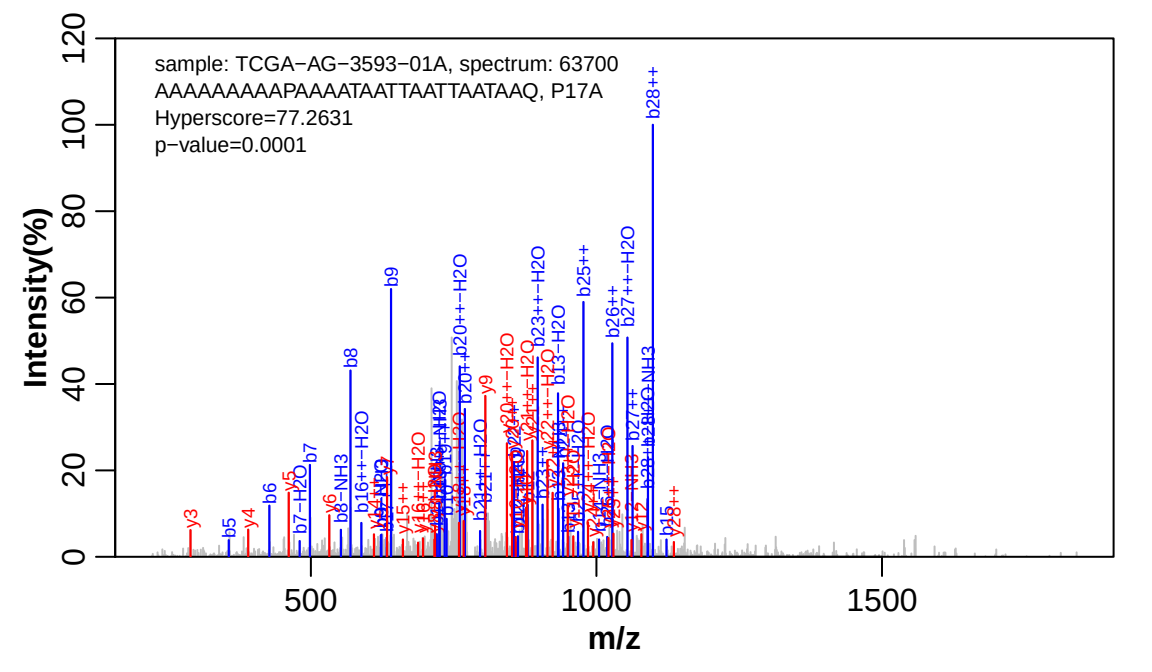

sample: TCGA−AG−3584−01A, spectrum: 148115
VPSFETAEGLGAELK, T12A
Hyperscore=39.7903
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−H2O
y4
y5
b5
y6
b6−NH3
b6−H2O
y7
y7−NH3
b7
b7−H2O
y8−H2O
y8
b8
y9
b9
y10
b10−H2O
b10
b11−NH3
b11
y11−H2O
y11
b12
y12
b13
y13
b14

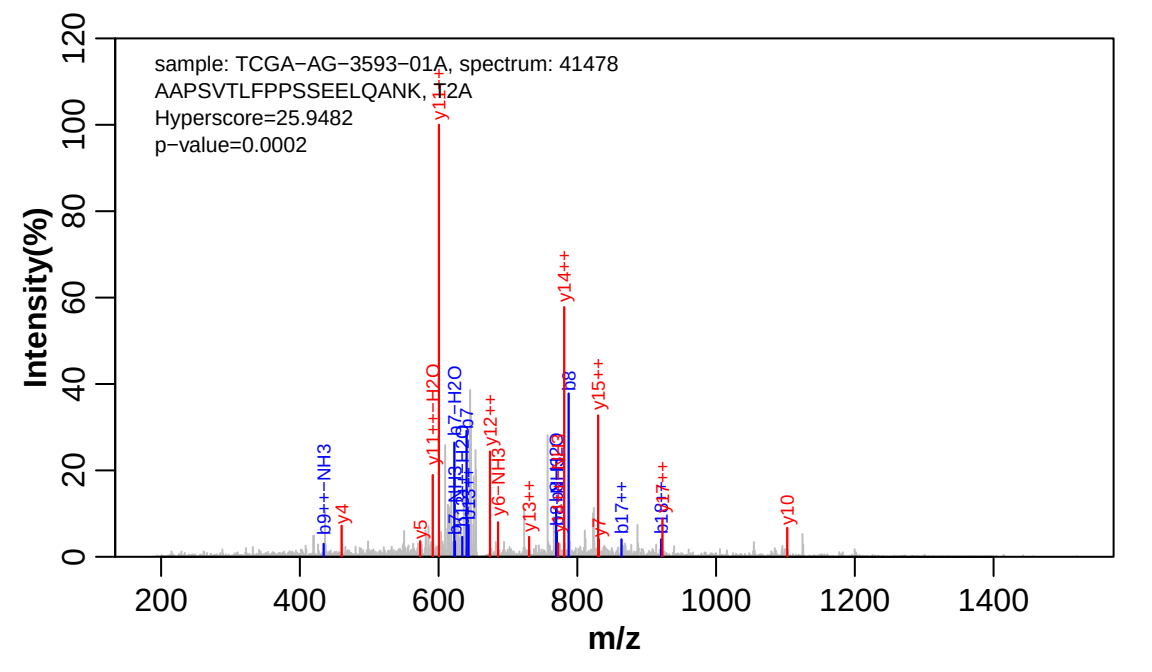

sample: TCGA−AG−3584−01A, spectrum: 64825
VPVTQATR, L3V
Hyperscore=15.6715
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
b4−NH3
y4
y5−NH3
y5
y6
y7

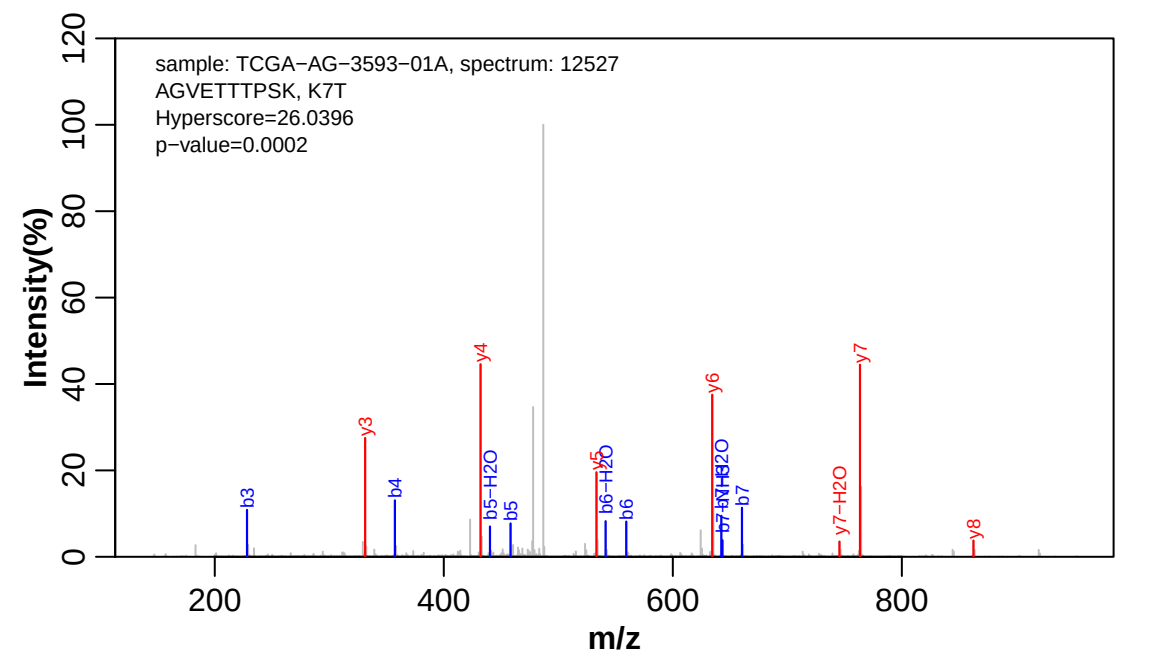

sample: TCGA−AG−3584−01A, spectrum: 129145
VVDLLNQATLLTNDSK, A9T
Hyperscore=47.8265
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y3
b4
y4−NH3
y4
b5−H2O
y5−NH3
y5−H2O
y5
b6−NH3
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
b8−NH3
b8−H2O
b8
y8
b9−NH3
b9−H2O
b9
y9
b10−NH3
b10−H2O
b10
y10
b11−NH3
b11−H2O
b11
y11−NH3
y11
b12−NH3
b12−H2O
b12
y12
b13
y13
b14

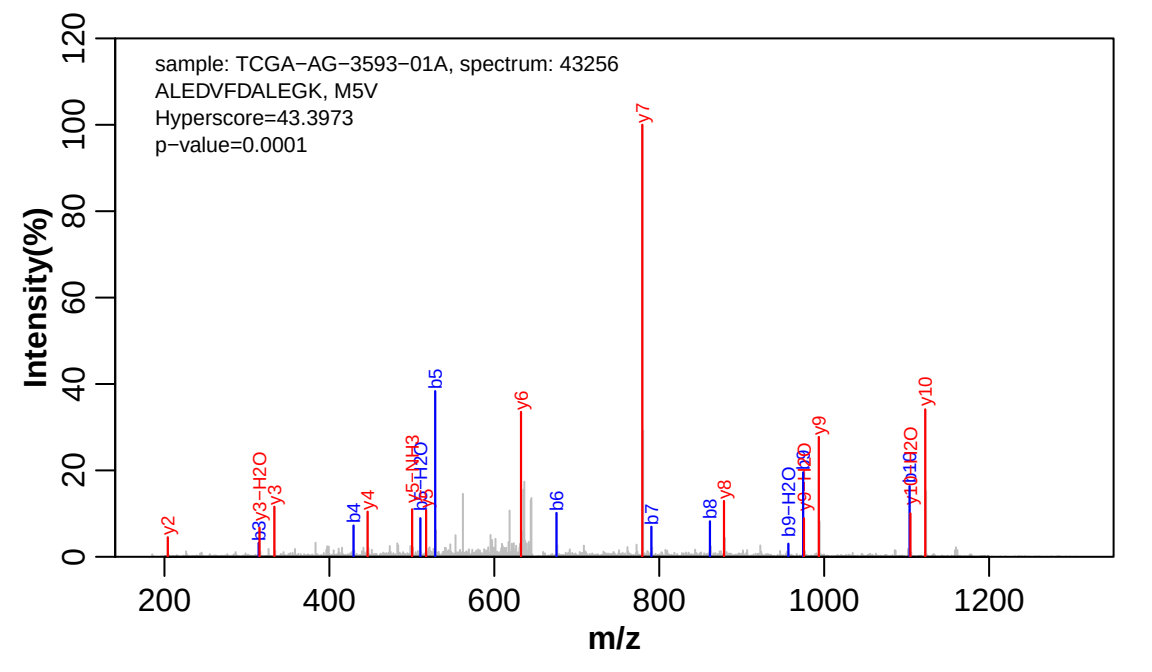

sample: TCGA−AG−3584−01A, spectrum: 30096
WLLLCNPGLANTLVEK, D11N
Hyperscore=51.1677
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3
y4
b4
y5
b5
y6
b6
y7
b7−NH3
b8−NH3
y9
y10
y10−NH3
b9−NH3
b10−NH3
y11
y12
y12−NH3
y13
b13−NH3
b13
y14
b14

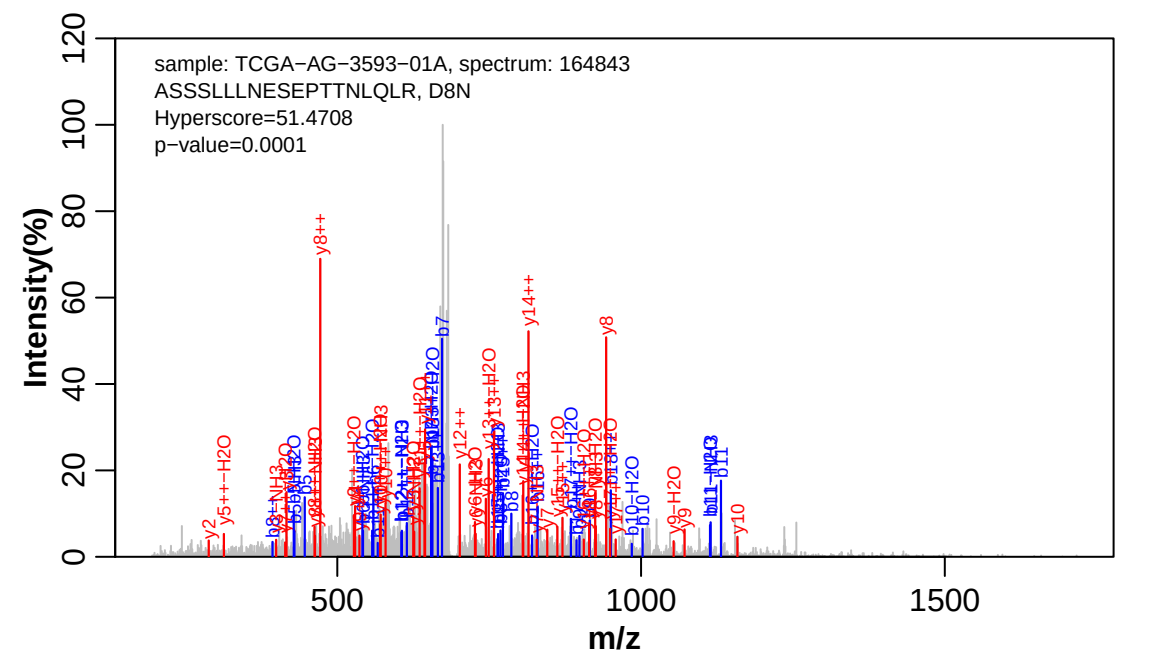

sample: TCGA−AG−3584−01A, spectrum: 116585
YPVDTLPTSK, I3V
Hyperscore=26.1028
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
y3
b3
y4−H2O
y4
b4
y5
y6
b6−H2O
b6
y7
y8
b9−NH3

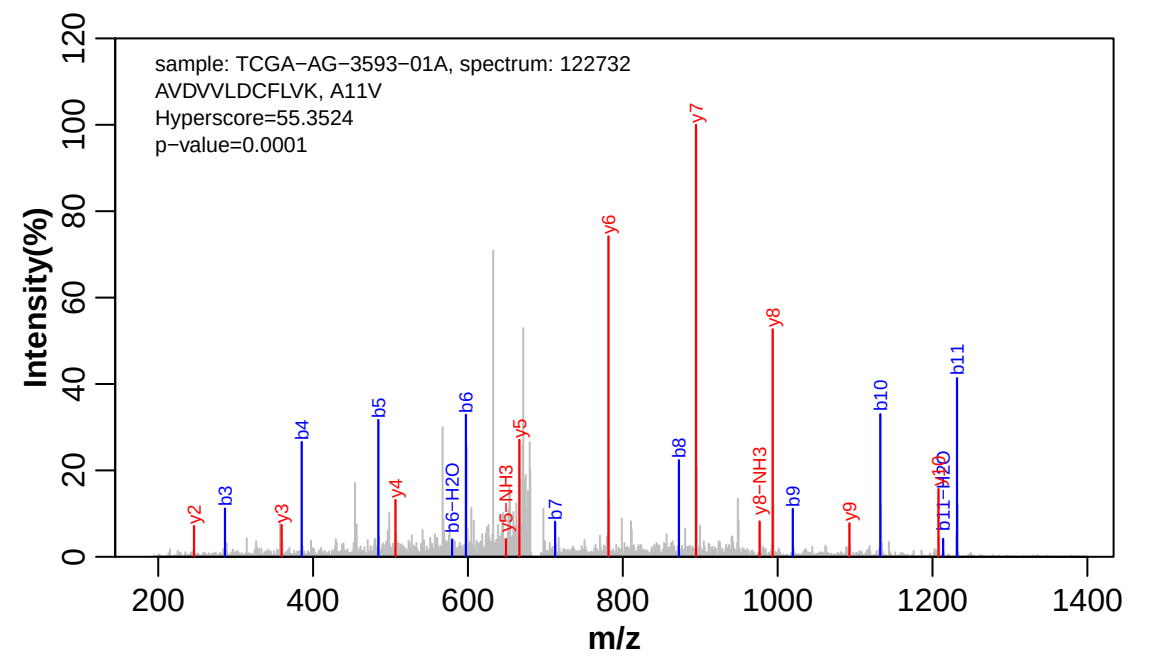

sample: TCGA−AG−3593−01A, spectrum: 63700
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=77.2631
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b25++
b27++−H2O
b26++
b23++−H2O
b20++−H2O
b9
b8
y3
b5
y4
b6
y5
b7−H2O
b7
y6
b8−NH3
b16++−H2O
y15++
y16++−H2O
y9
b22++−H2O
b13−H2O
y28++

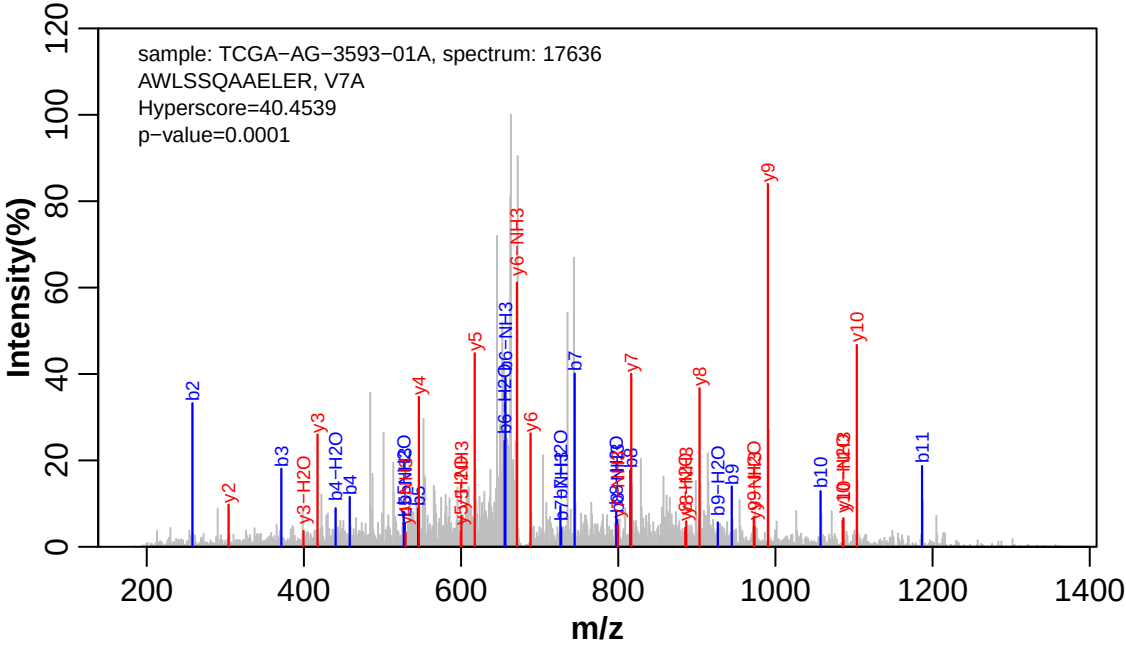

sample: TCGA−AG−3593−01A, spectrum: 41478
AAPSVTLFPPSSEELQANK, +2A
Hyperscore=25.9482
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y11++
y11++−H2O
y12++
y6−NH3
y14++
y15++
b8
y13++
y7
b17++
y10
y5
y4
b9++−NH3

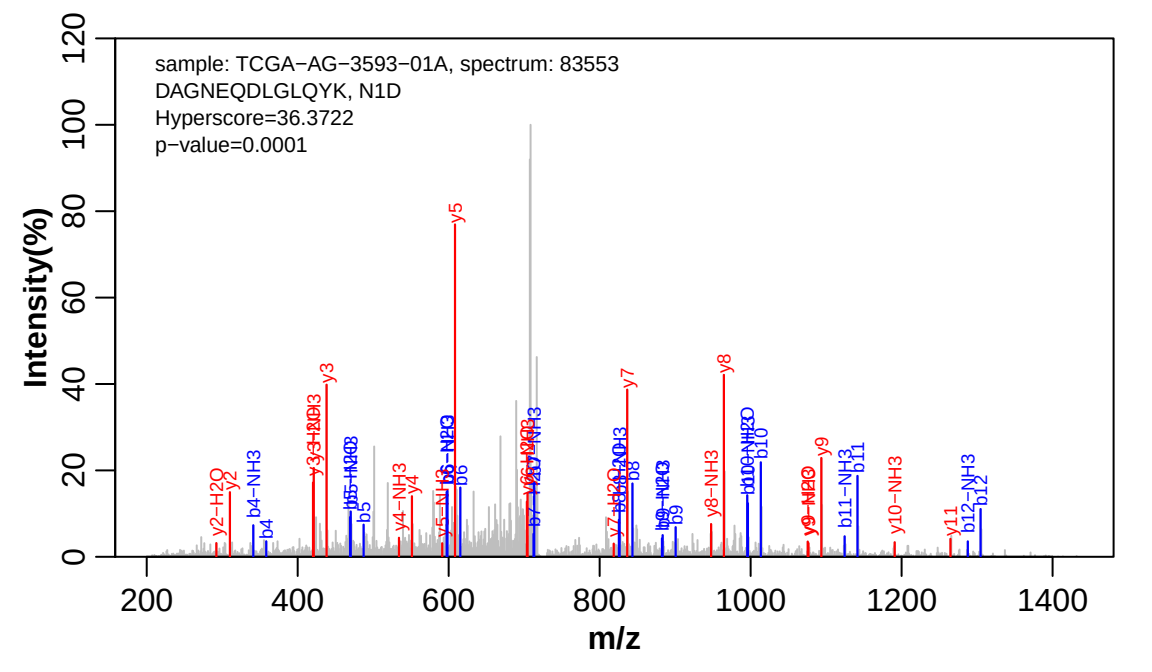

sample: TCGA−AG−3593−01A, spectrum: 12527
AGVETTTPSK, K7T
Hyperscore=26.0396
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7−H2O
y7
y8

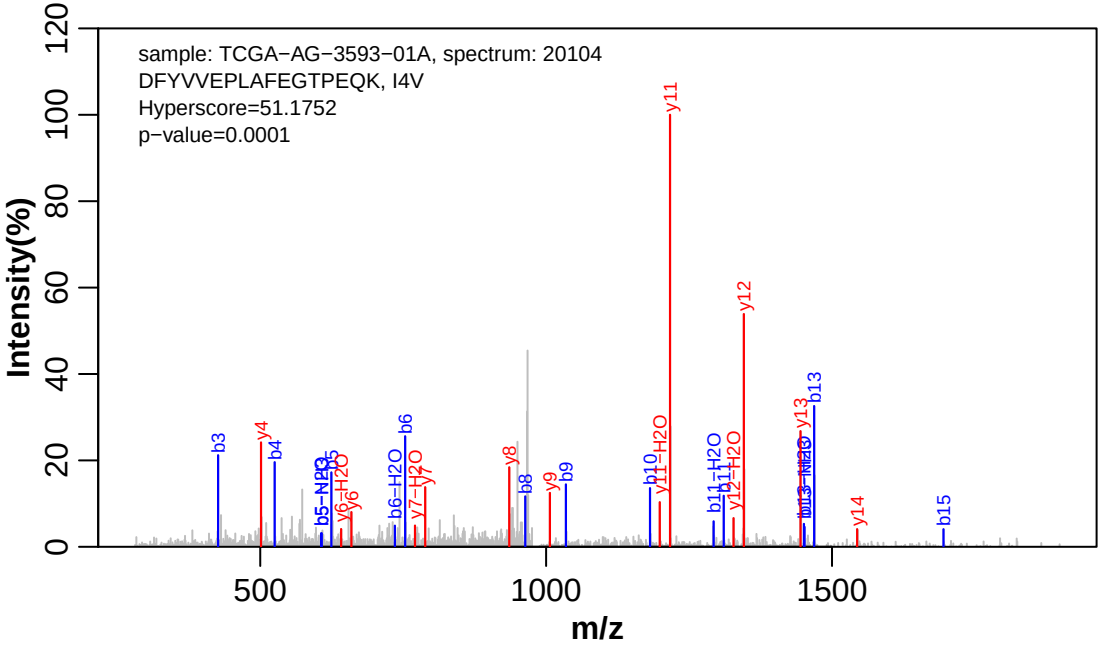

sample: TCGA−AG−3593−01A, spectrum: 43256
ALEDVFDALEGK, M5V
Hyperscore=43.3973
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3−H2O
y3
b4
y4
b5
y5−NH3
y5−H2O
y6
b6
y7
b7
b8
y8
b9−H2O
y9−H2O
y9
y10−H2O
y10

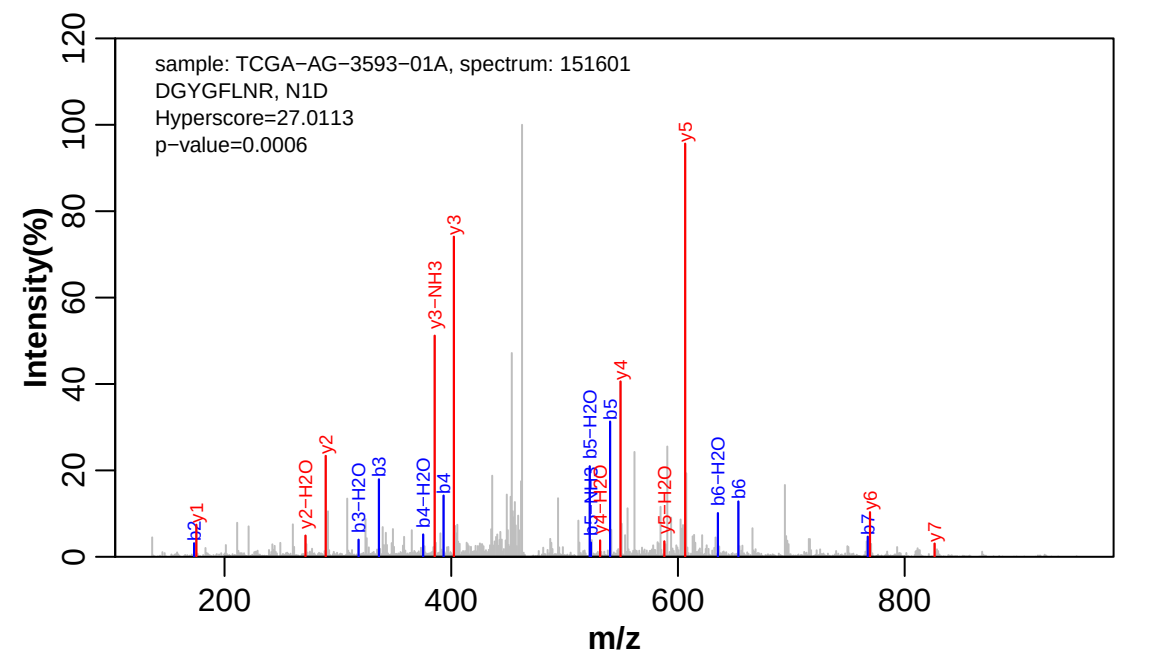

sample: TCGA−AG−3593−01A, spectrum: 164843
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=51.4708
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
y14++
y8
y12++
b7
y5++−H2O
y2
y9−H2O
y10
b10−H2O

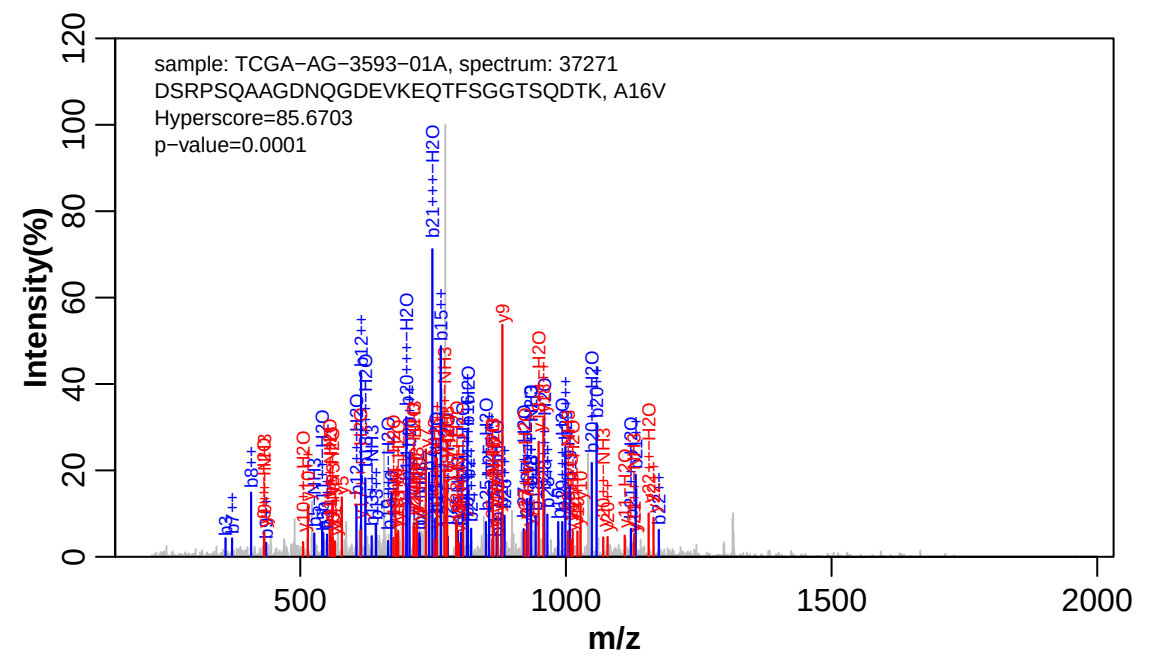

sample: TCGA−AG−3593−01A, spectrum: 122732
AVDVVLDCFLVK, A11V
Hyperscore=55.3524
p−value=0.0001
Intensity(%)
m/z
y2
b3
y3
b4
y4
b5
b6−H2O
b6
y5−NH3
y5
b7
y6
b8
y7
y8−NH3
y8
b9
y9
b10
b11−H2O
b11

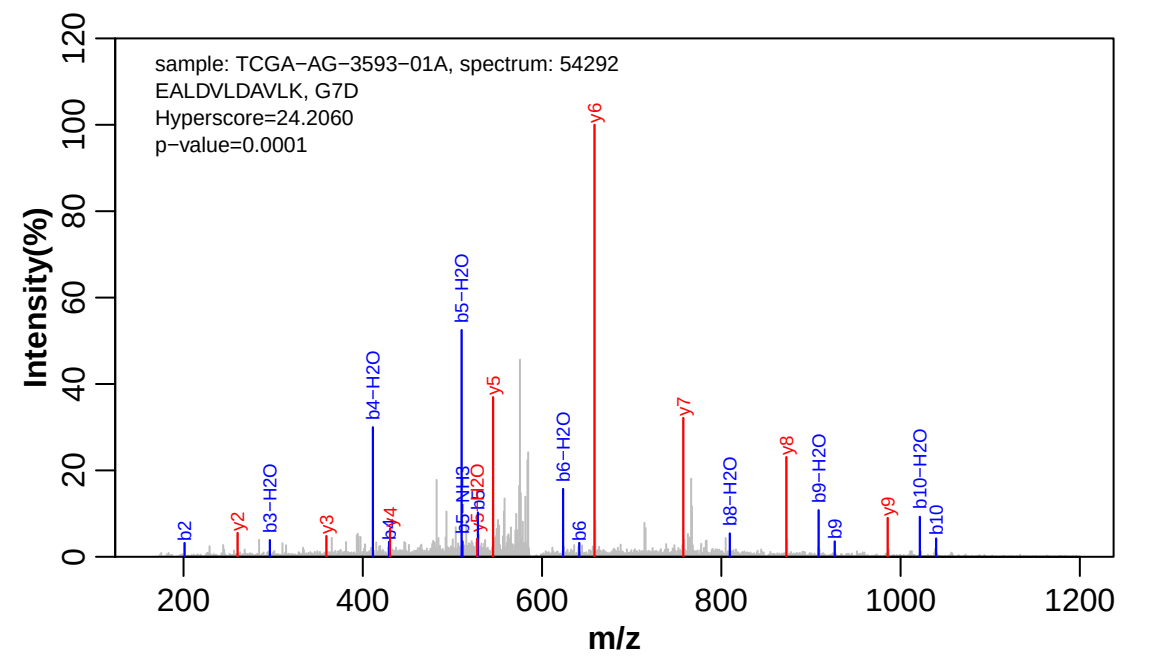

sample: TCGA−AG−3593−01A, spectrum: 17636
AWLSSQAAELER, V7A
Hyperscore=40.4539
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3−H2O
y3
b4−H2O
b4
b5
y4
y5
b6−H2O
b6−NH3
y6−NH3
y6
b7
y7
y8
b9−H2O
b9
b10
y10
b11
y9

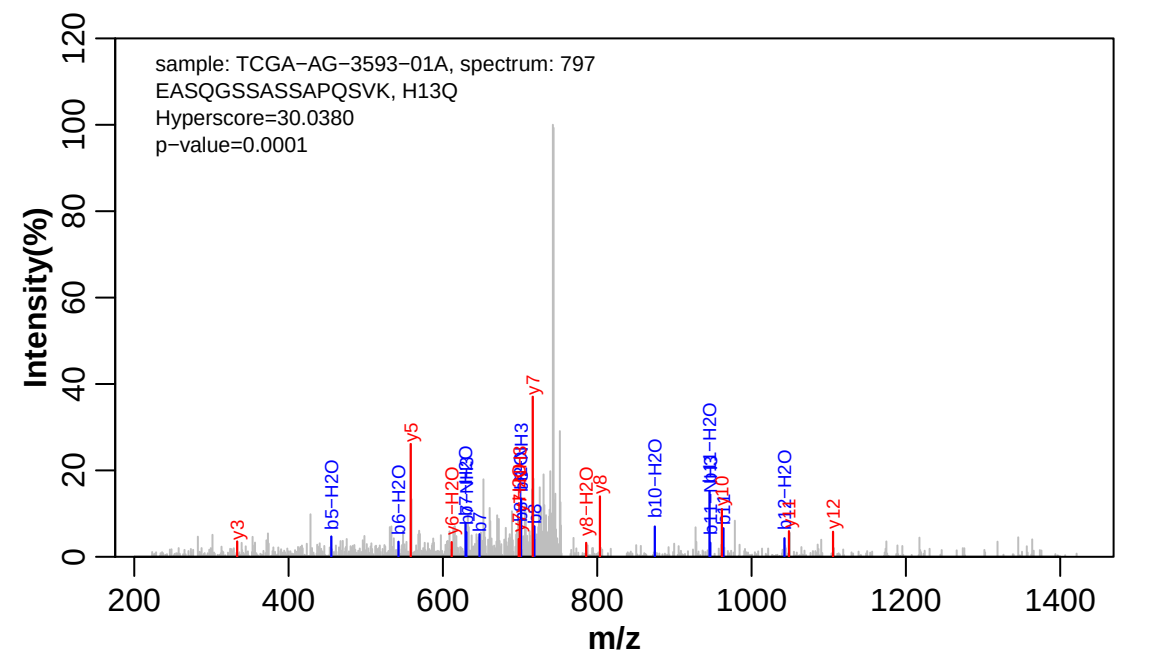

sample: TCGA−AG−3593−01A, spectrum: 83553
DAGNEQDLGLQYK, N1D
Hyperscore=36.3722
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y3
y8
y7
y4
y9
y10−NH3
b11−NH3
b12−NH3
y8−NH3
y4−NH3
y2−H2O
y2
b4−NH3
b4
b5
b6
b8
b10
b11
b12
y11

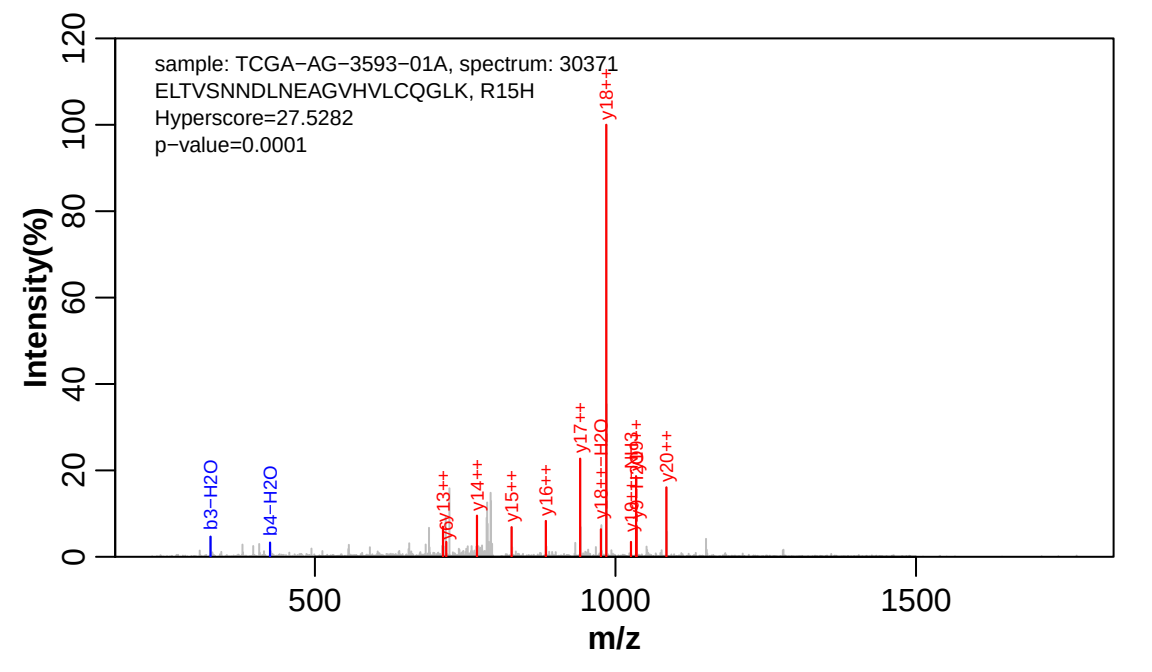

sample: TCGA−AG−3593−01A, spectrum: 20104
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=51.1752
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5−NH3
b5
y6−H2O
y6
b6−H2O
b6
y7−H2O
y7
y8
b8
y9
b9
b10
y11−H2O
y11
b11−H2O
b11
y12−H2O
y12
y13−NH3
y13
b13
y14
b15

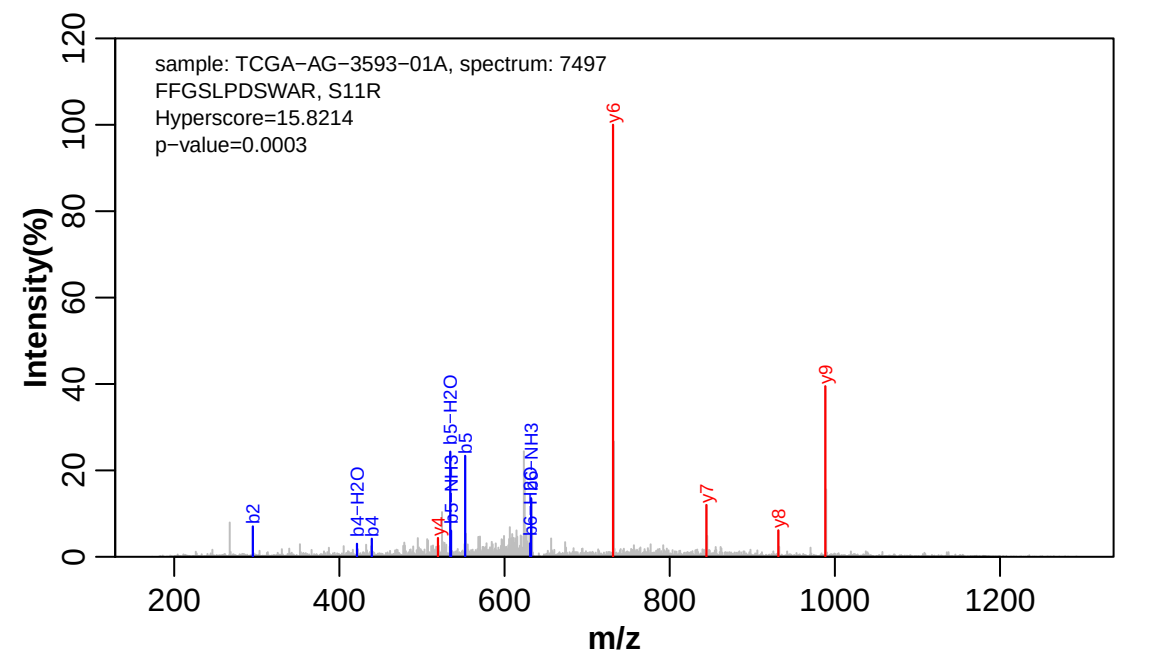

sample: TCGA−AG−3593−01A, spectrum: 151601
DGYGFLNR, N1D
Hyperscore=27.0113
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b2
y1
y2−H2O
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4−H2O
y4
y5
y5−H2O
b6−H2O
b6
b7
y6
y7

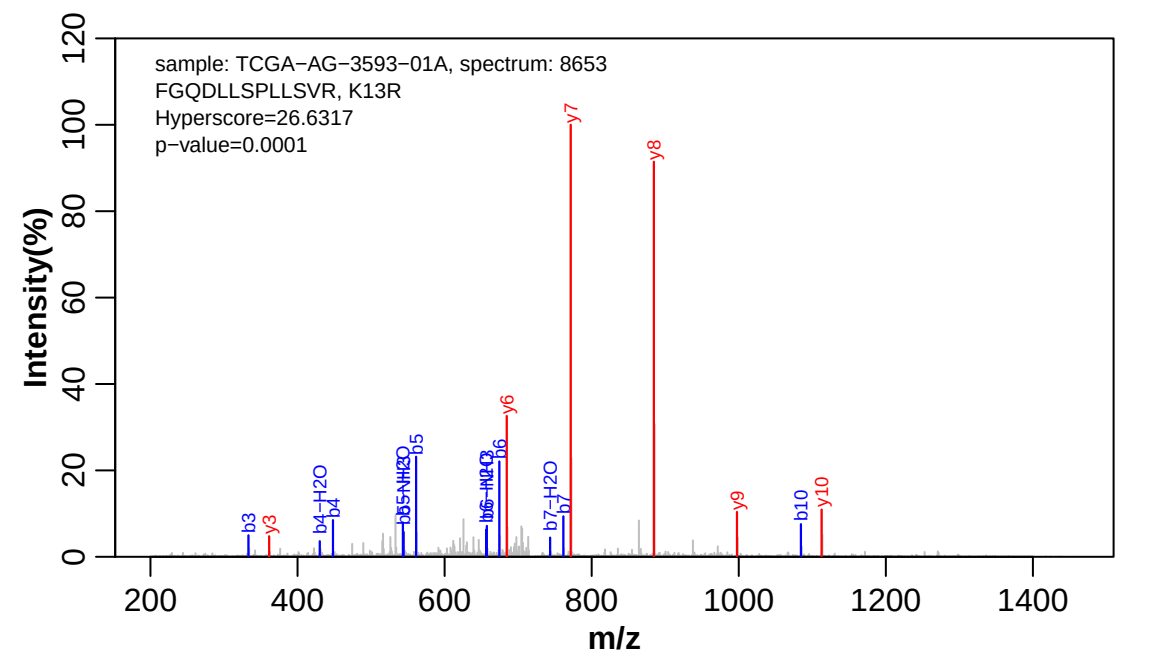

sample: TCGA−AG−3593−01A, spectrum: 37271
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=85.6703
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b21+++−H2O
b15++
y9
b20+++−H2O
b12++
b2++
b7++
b8++
y2++
b22++−H2O

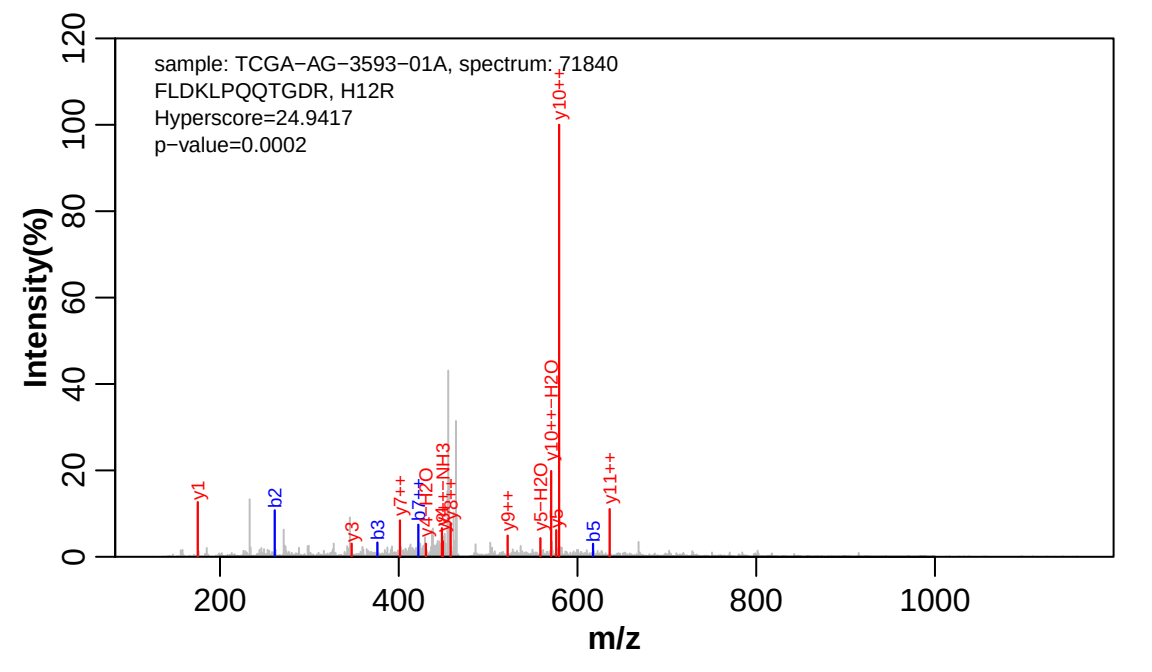

sample: TCGA−AG−3593−01A, spectrum: 54292
EALDVLDAVLK, G7D
Hyperscore=24.2060
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
y3
b4−H2O
b4
b5−NH3
b5−H2O
y5
b5
y6
b6−H2O
b6
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

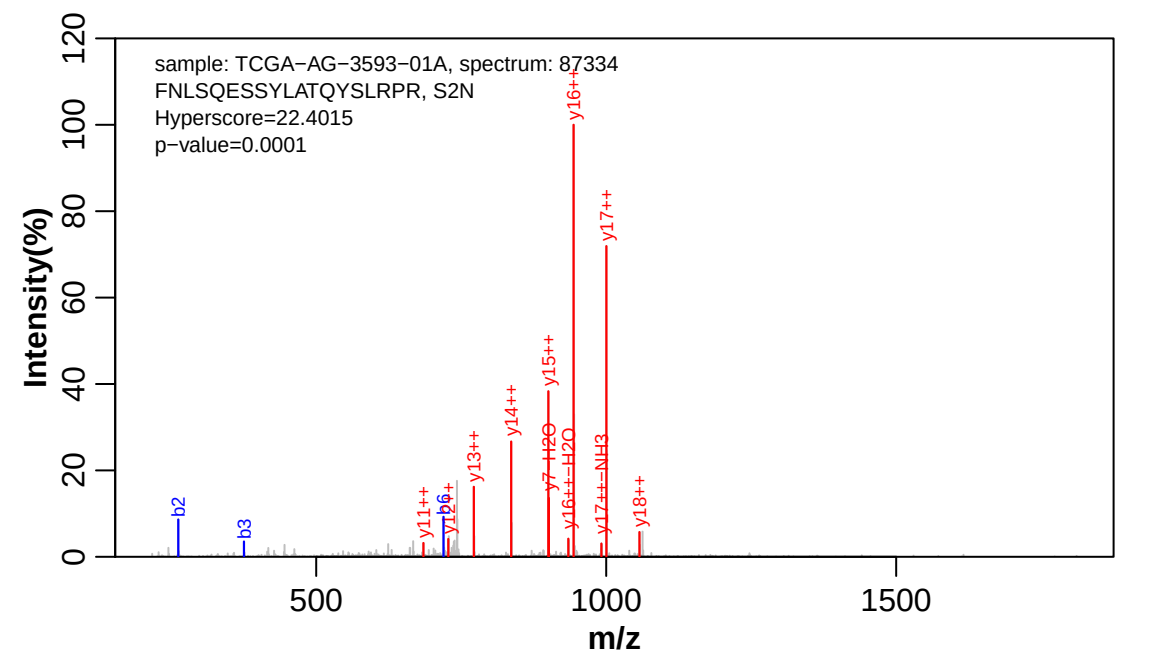

sample: TCGA−AG−3593−01A, spectrum: 797
EASQGSSASSAPQSVK, H13Q
Hyperscore=30.0380
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b5−H2O
b6−H2O
y5
y6−H2O
b7−NH3
b7
y7
y8−H2O
y8
b10−H2O
b11−NH3−H2O
b11
b12−H2O
y12

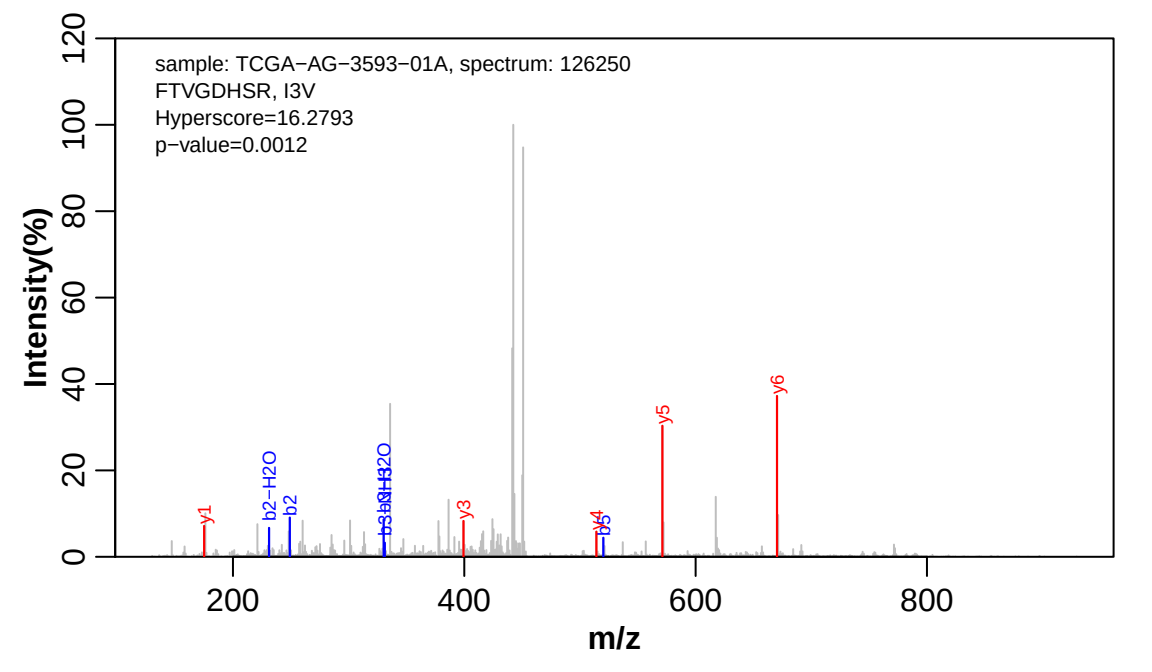

sample: TCGA−AG−3593−01A, spectrum: 30371
ELTVSNNDLNEAGVHVLCQGLK, R15H
Hyperscore=27.5282
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
b4−H2O
y13++
y14++
y15++
y16++
y17++
y18++−H2O
y18++
y20++

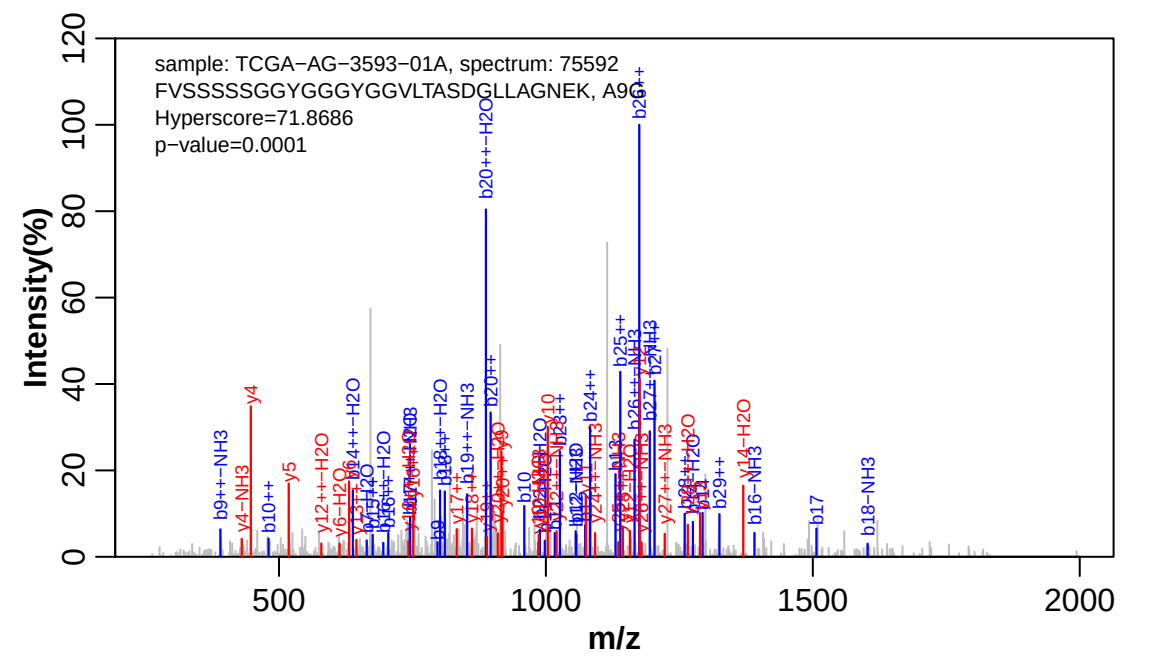

sample: TCGA−AG−3593−01A, spectrum: 7497
FFGSLPDSWAR, S11R
Hyperscore=15.8214
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
b6−H2O
b6−NH3
y7
y8
y6
y9

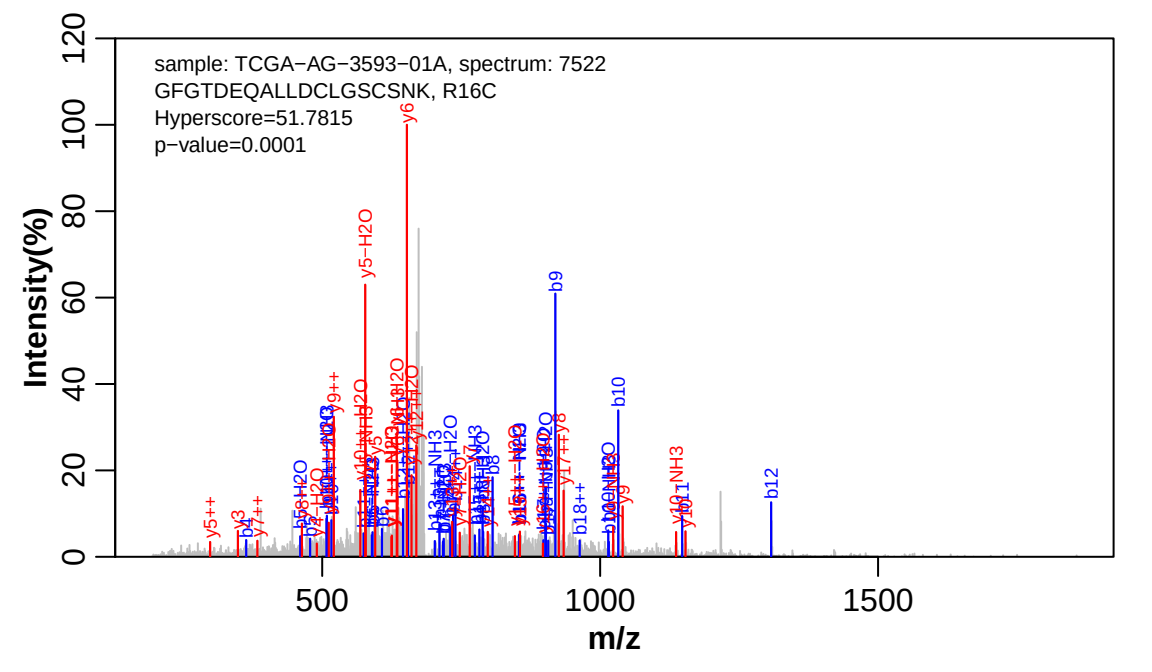

sample: TCGA−AG−3593−01A, spectrum: 8653
FGQDLLSPLLSVR, K13R
Hyperscore=26.6317
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y8
y6
b5
b5−NH3
b5−H2O
b6
b6−NH3
b6−H2O
b7
b7−H2O
b4
b4−H2O
y3
b3
y9
b10
y10

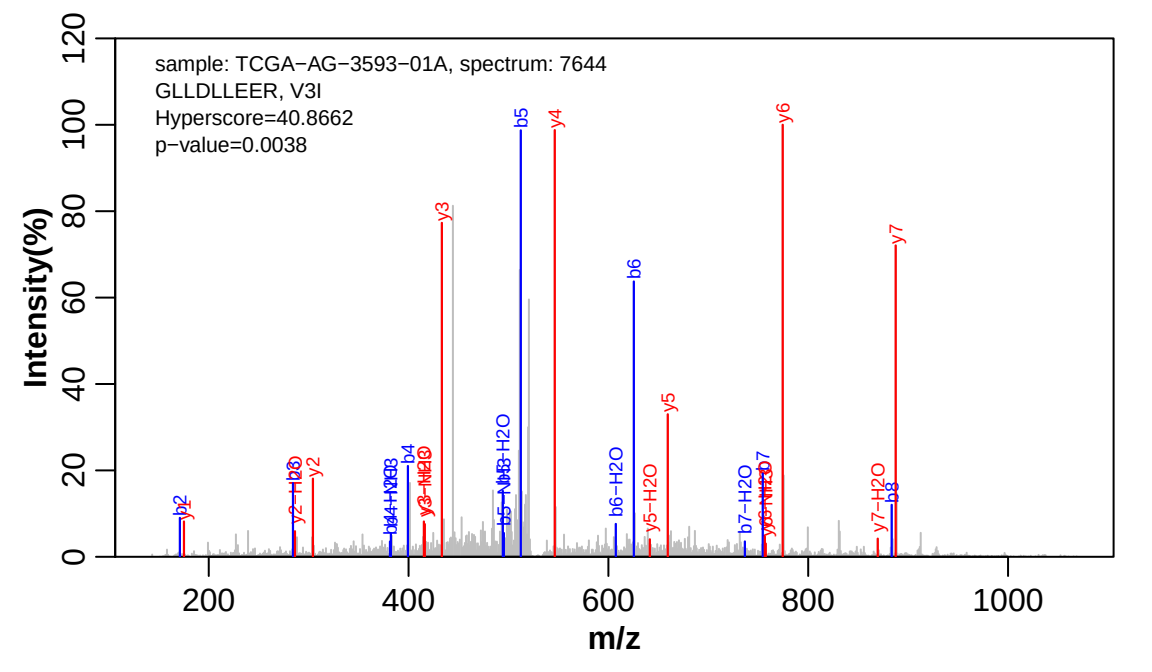

sample: TCGA−AG−3593−01A, spectrum: 71840
FLDKLPQQTGDR, H12R
Hyperscore=24.9417
p−value=0.0002
Intensity(%)
m/z
y1
b2
y3
b3
y7++
b7++
y4−H2O
y8++−NH3
y9++
y5−H2O
y5
y10++−H2O
y10++
b5
y11++

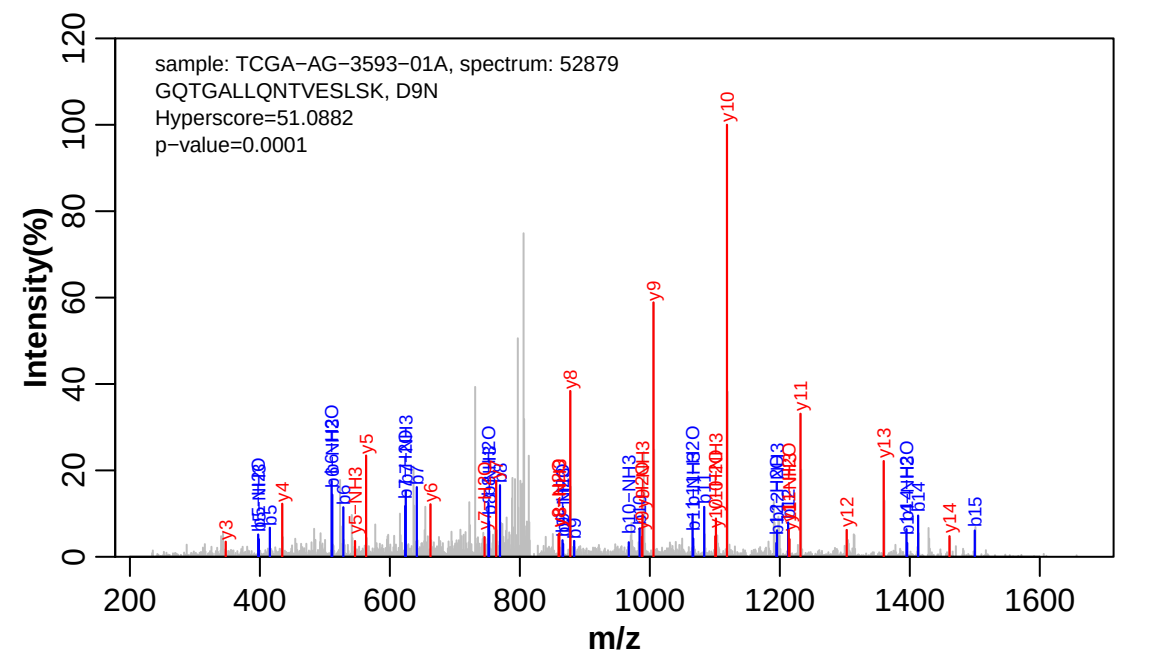

sample: TCGA−AG−3593−01A, spectrum: 87334
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=22.4015
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
y11++
y12++
b6
y13++
y14++
y15++
y7−H2O
y16++−H2O
y16++
y17++−NH3
y17++
y18++

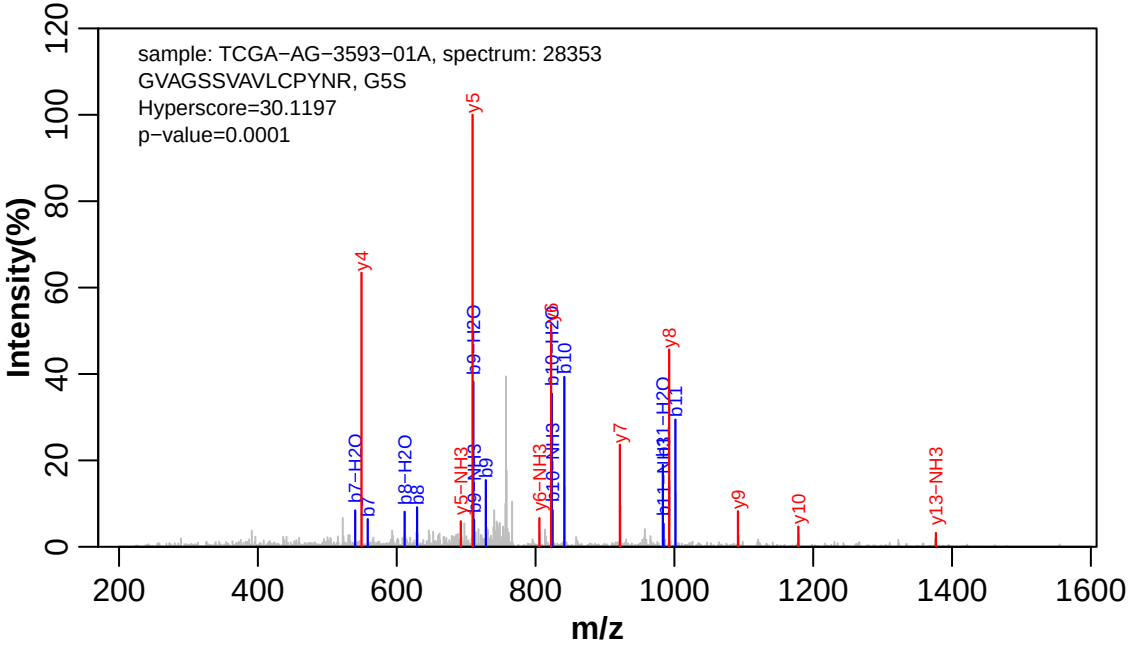

sample: TCGA−AG−3593−01A, spectrum: 126250
FTVGDHSR, I3V
Hyperscore=16.2793
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
y3
y4
b5
y5
y6

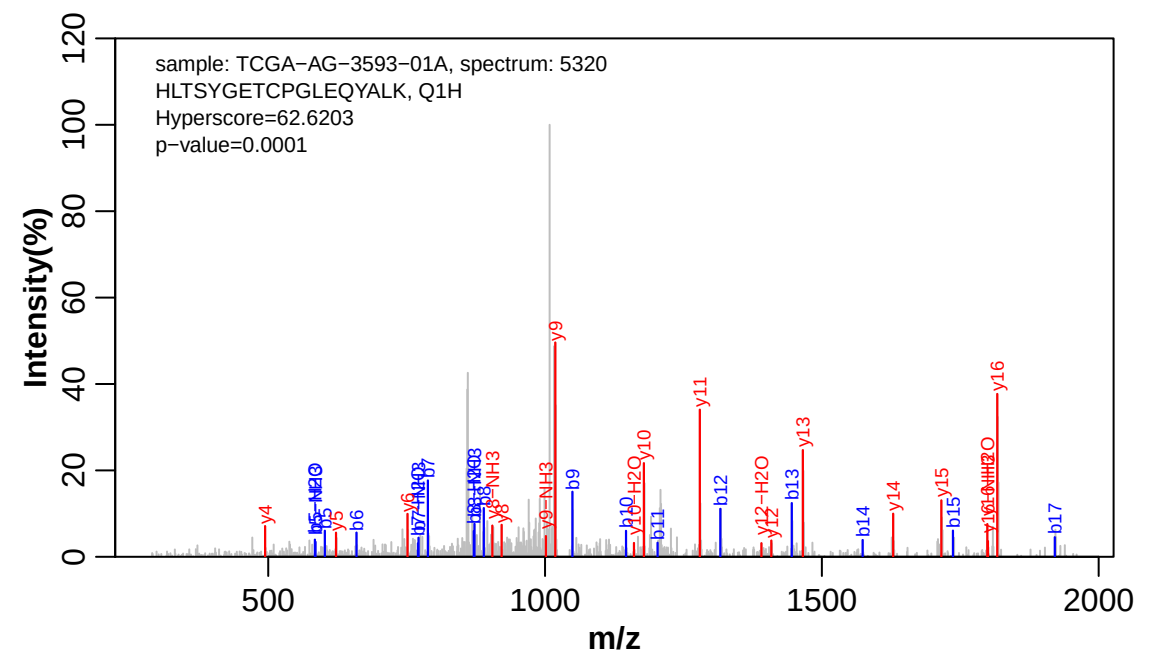

sample: TCGA−AG−3593−01A, spectrum: 75592
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=71.8686
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4−NH3
b10++
y4
y5
y12++−H2O
y6−H2O
b14++−H2O
b16++−H2O
b18++−H2O
y17++
b19++−NH3
b20++−H2O
b20++
b10
y24++−NH3
b24++
b25++
y27++−NH3
b28++−H2O
b29++
y14−H2O
b16−NH3
b17
b18−NH3

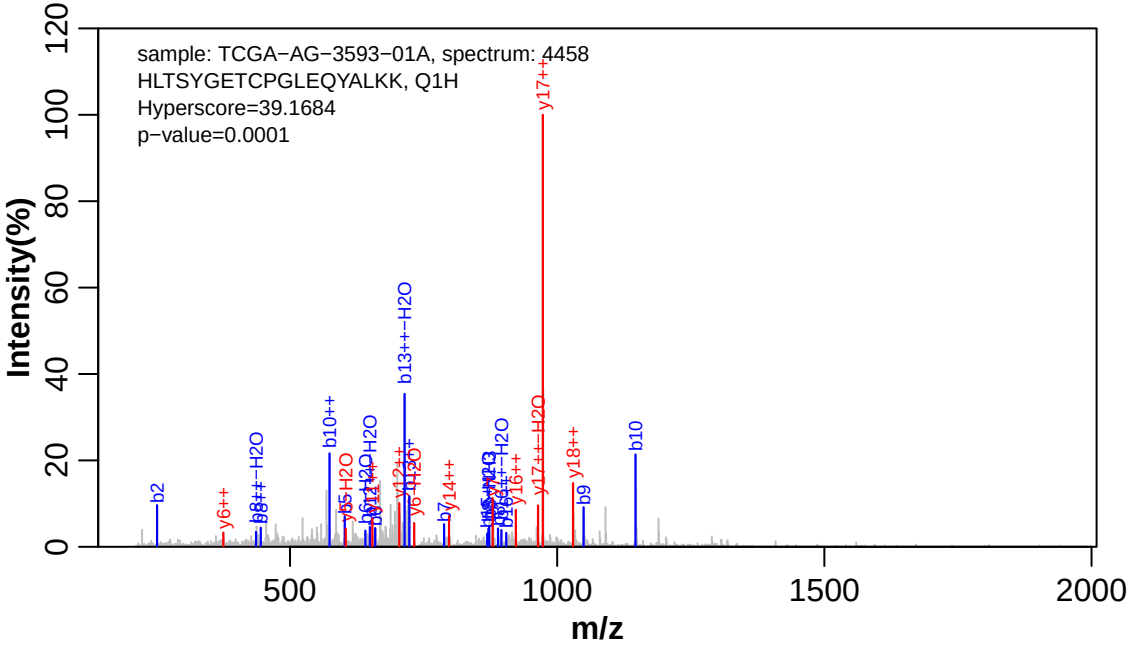

sample: TCGA−AG−3593−01A, spectrum: 7522
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=51.7815
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y5++
b3
y7++
b5−H2O
y9++
y10−NH3
b18++
y9
y10−1
y17++y8

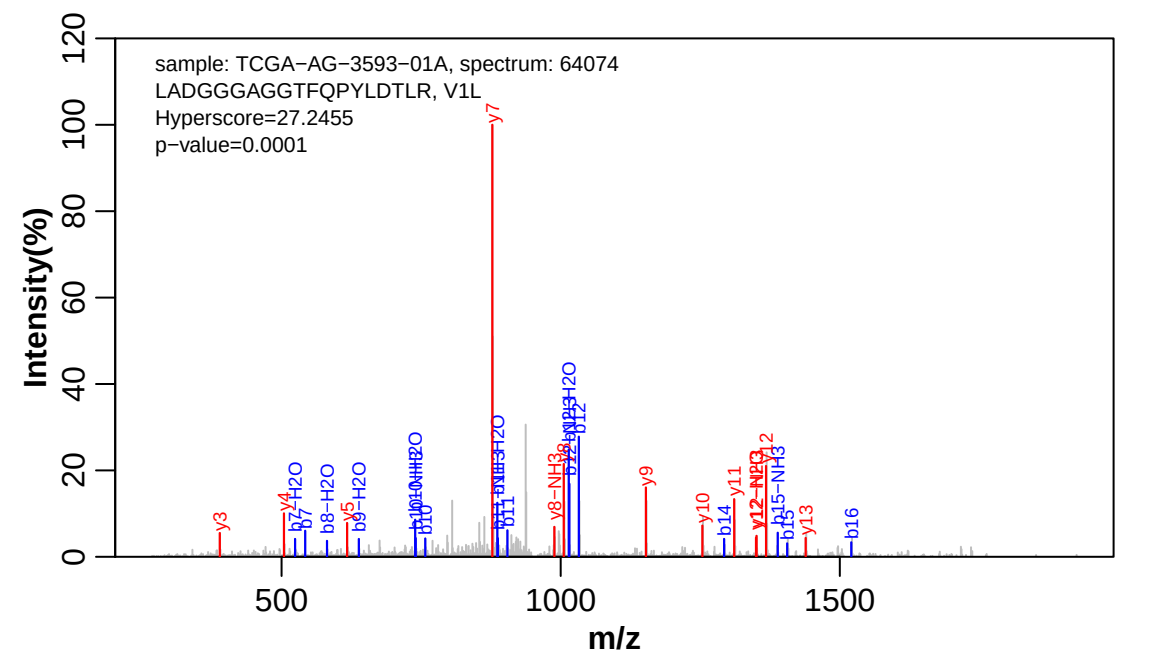

sample: TCGA−AG−3593−01A, spectrum: 7644
GLLDLLEER, V3I
Hyperscore=40.8662
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
y2−H2O
y2
b4
y3
b5
b5−H2O
y4
b6
b6−H2O
y5
y5−H2O
b7−H2O
y6
y7
y7−H2O
b8

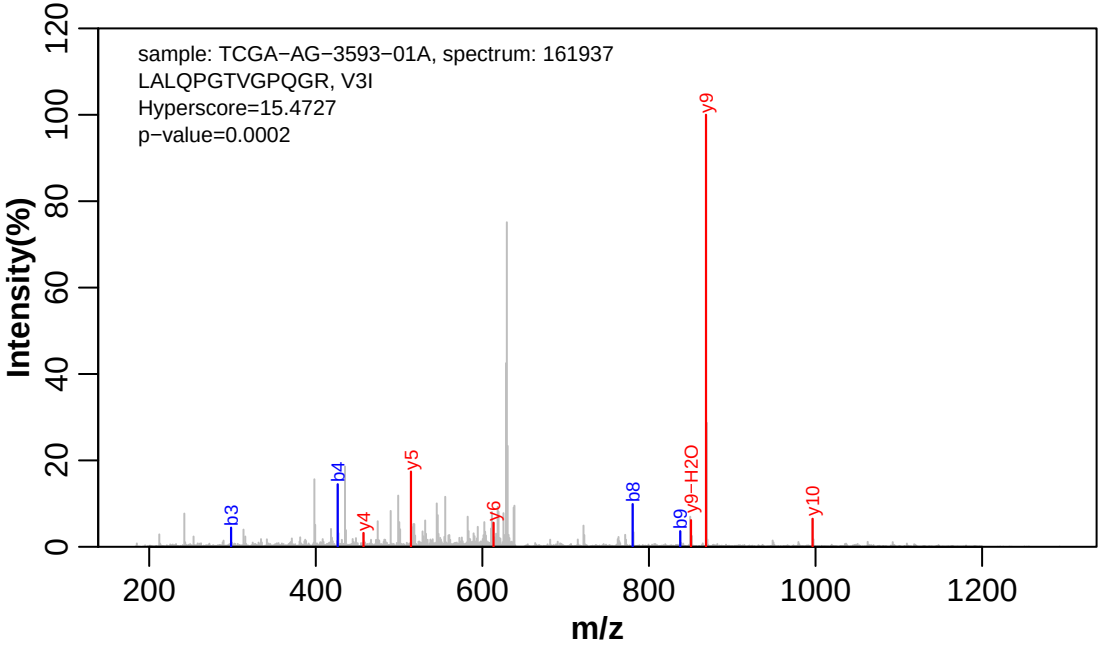

sample: TCGA−AG−3593−01A, spectrum: 52879
GQTGALLQNTVESLSK, D9N
Hyperscore=51.0882
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y12
y14
b15
y5
y6
y4
y3
b5
b6
b7
b8
b9
b10−NH3
b11
b12
b13
b14
b14−NH2O

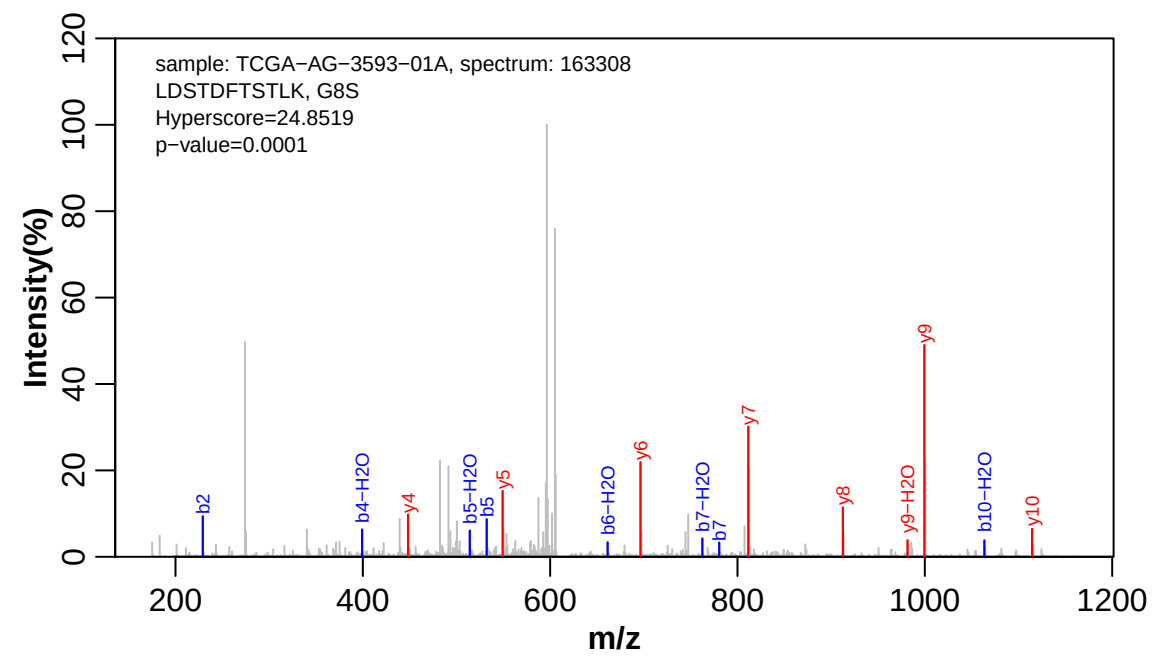

sample: TCGA−AG−3593−01A, spectrum: 28353
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.1197
p−value=0.0001
Intensity(%)
m/z
y5
y4
b9−H2O
b10−H2O
b10
y8
b11
y7
b7−H2O
b8−H2O
y5−NH3
y6−NH3
y9
y10
y13−NH3

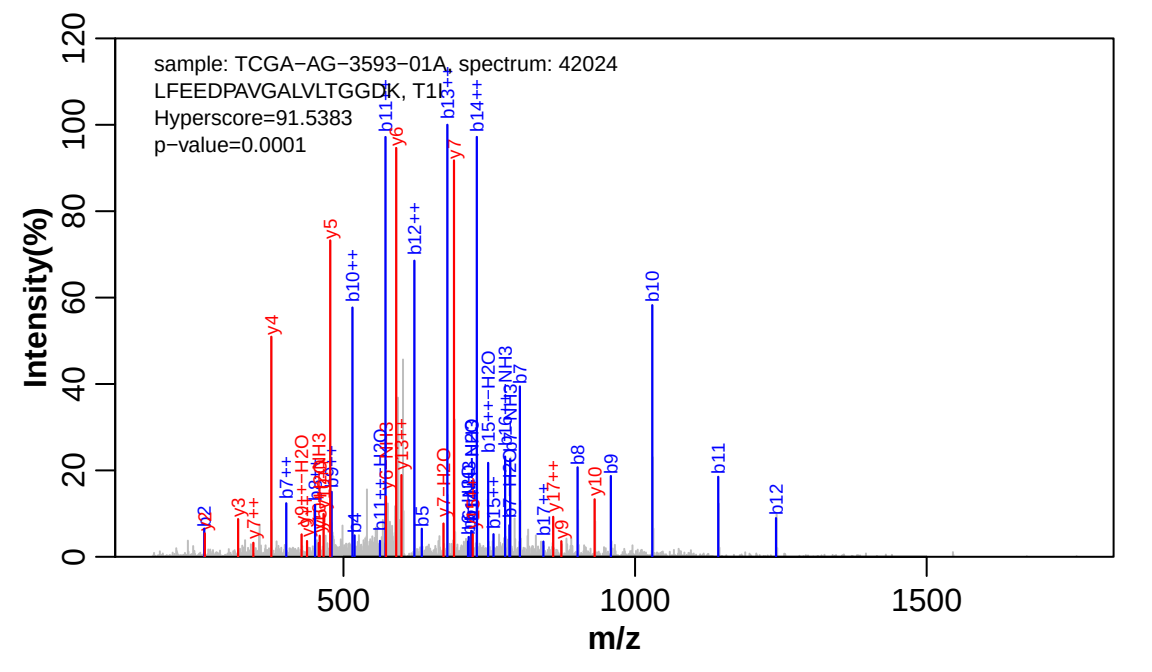

sample: TCGA−AG−3593−01A, spectrum: 5320
HLTSYGETCPGLEQYALK, Q1H
Hyperscore=62.6203
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
b5
y5
b6
y6
b7
b8
y8
y9−NH3
y9
b9
b10
y10−H2O
y10
b11
y11
b12
y12−H2O
b13
y13
b14
y14
y15
b15
y16
b17

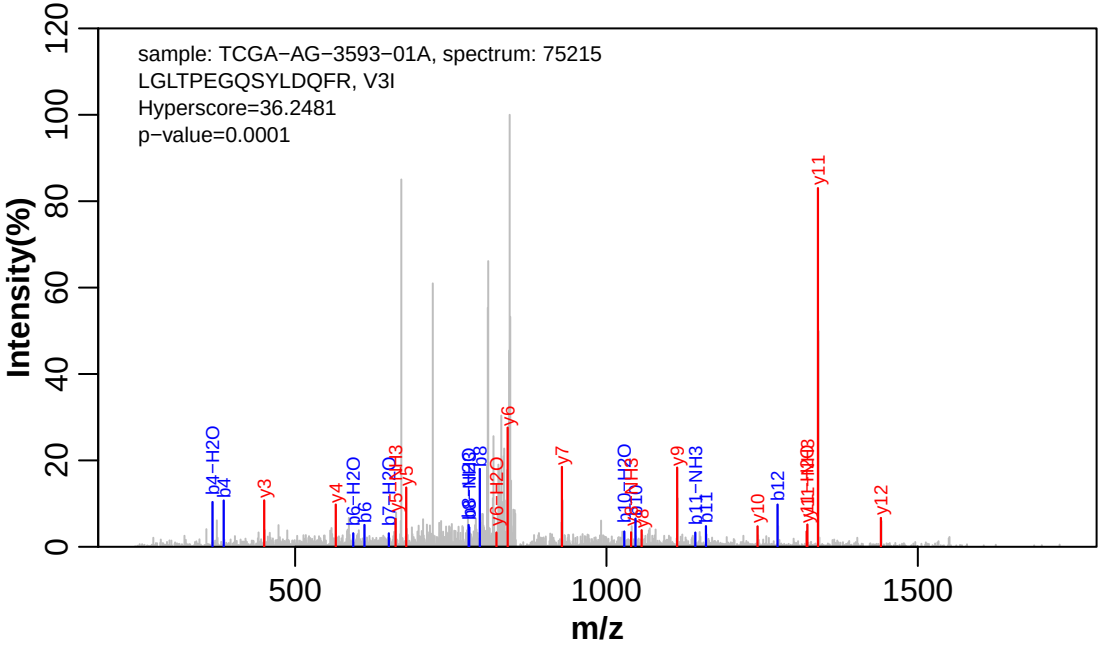

sample: TCGA−AG−3593−01A, spectrum: 4458
HLTSYGETCPGLEQYALKK, Q1H
Hyperscore=39.1684
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b2
y6++
b8++−H2O
b10++
y5−H2O
b13++−H2O
y12++
y6−H2O
b7
y14++
y16++
y17++−H2O
y17++
y18++
b9
b10

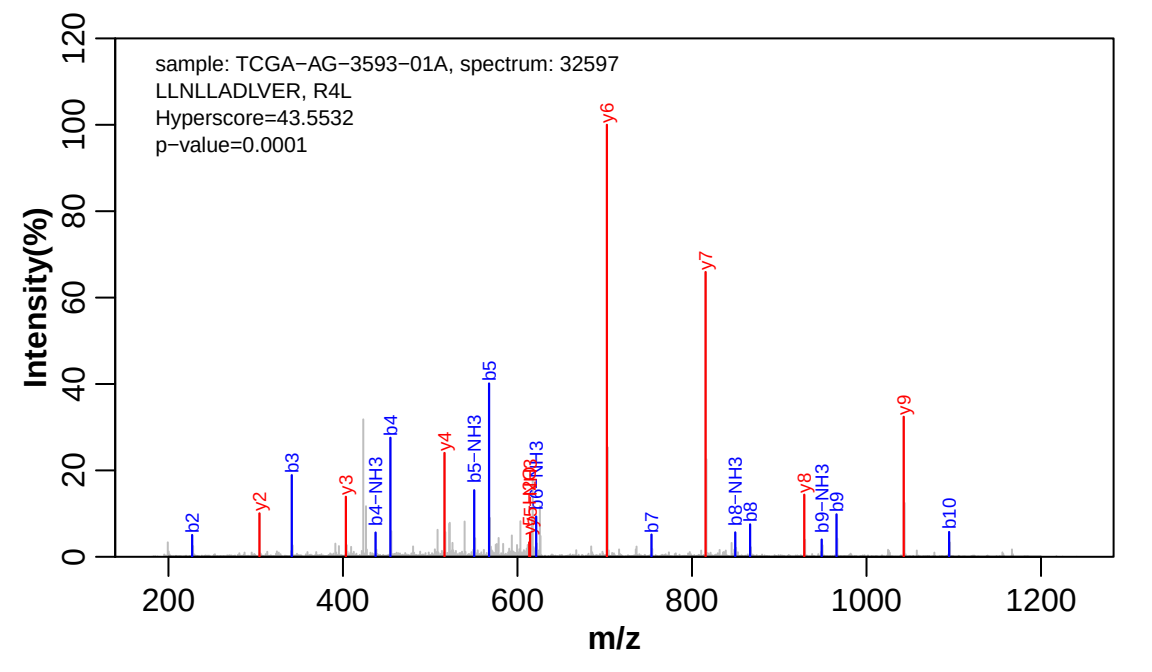

sample: TCGA−AG−3593−01A, spectrum: 64074
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=27.2455
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y3
y4
b7
b7−H2O
b8−H2O
y5
b9−H2O
b10
b10−NH3
b10−H2O
b11
b11−NH3
b11−H2O
y8−NH3
b12
b12−NH3
b12−H2O
y9
y10
b14
y11
y12
y12−NH3
b15
b15−NH3
y13
b16

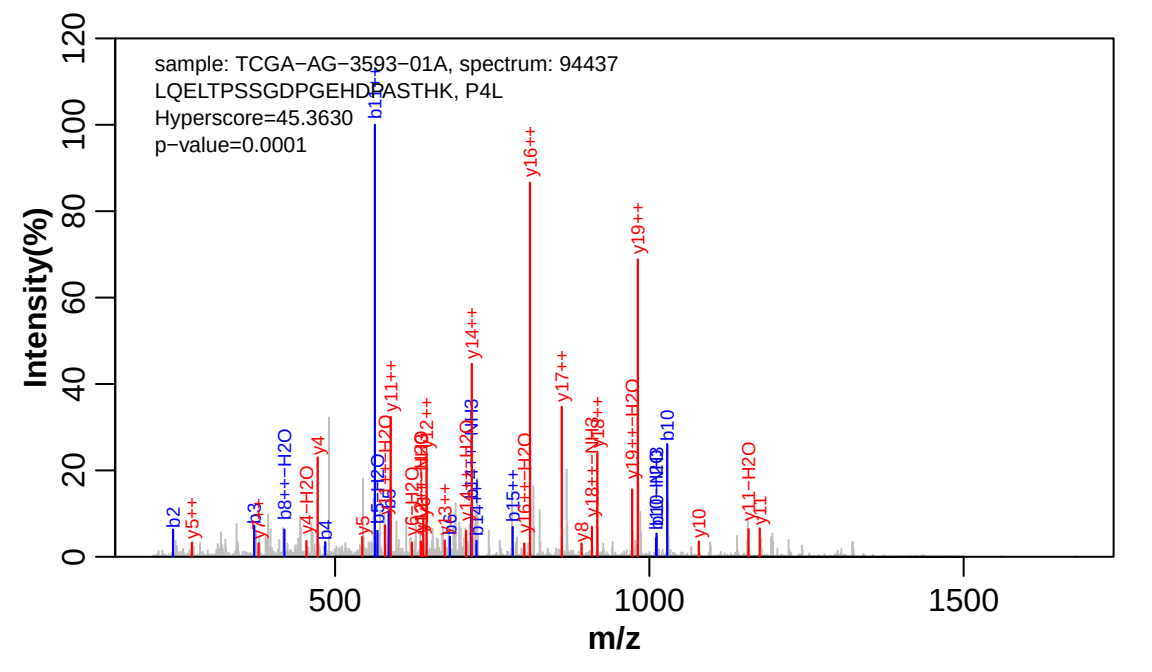

sample: TCGA−AG−3593−01A, spectrum: 161937
LALQPGTVGPQGR, V3I
Hyperscore=15.4727
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
m/z
b3
b4
y4
y5
y6
b8
b9
y9−H2O
y9
y10

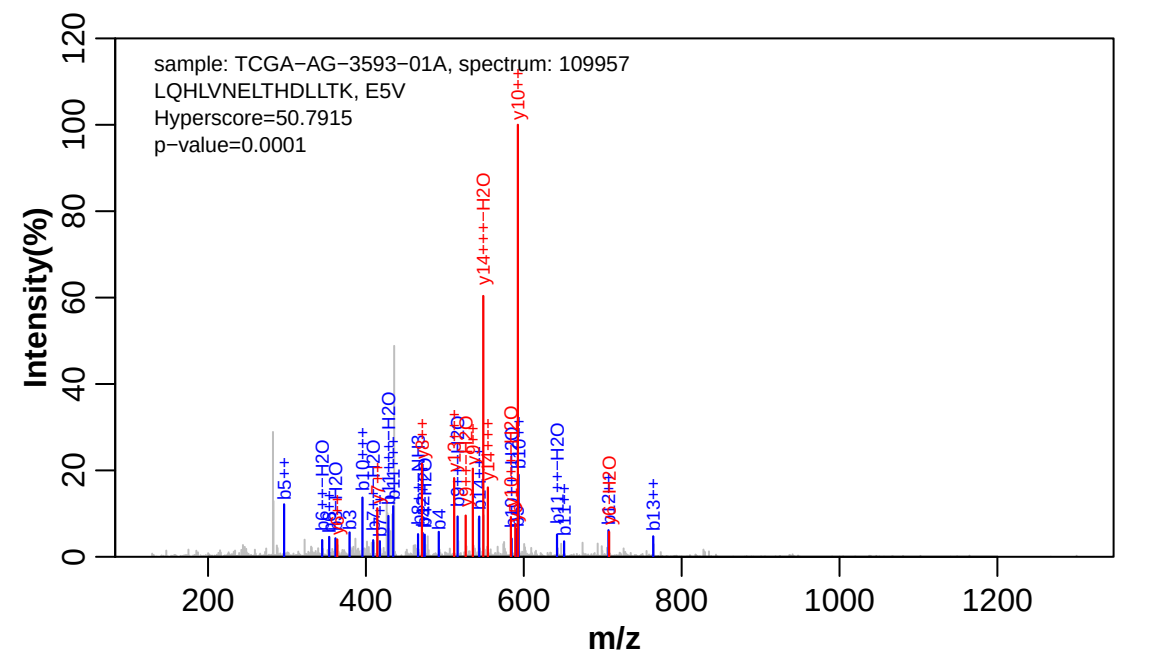

sample: TCGA−AG−3593−01A, spectrum: 163308
LDSTDFTSTLK, G8S
Hyperscore=24.8519
p−value=0.0001
Intensity(%)
m/z
b2
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
y6
b7−H2O
b7
y7
y8
y9−H2O
y9
b10−H2O
y10

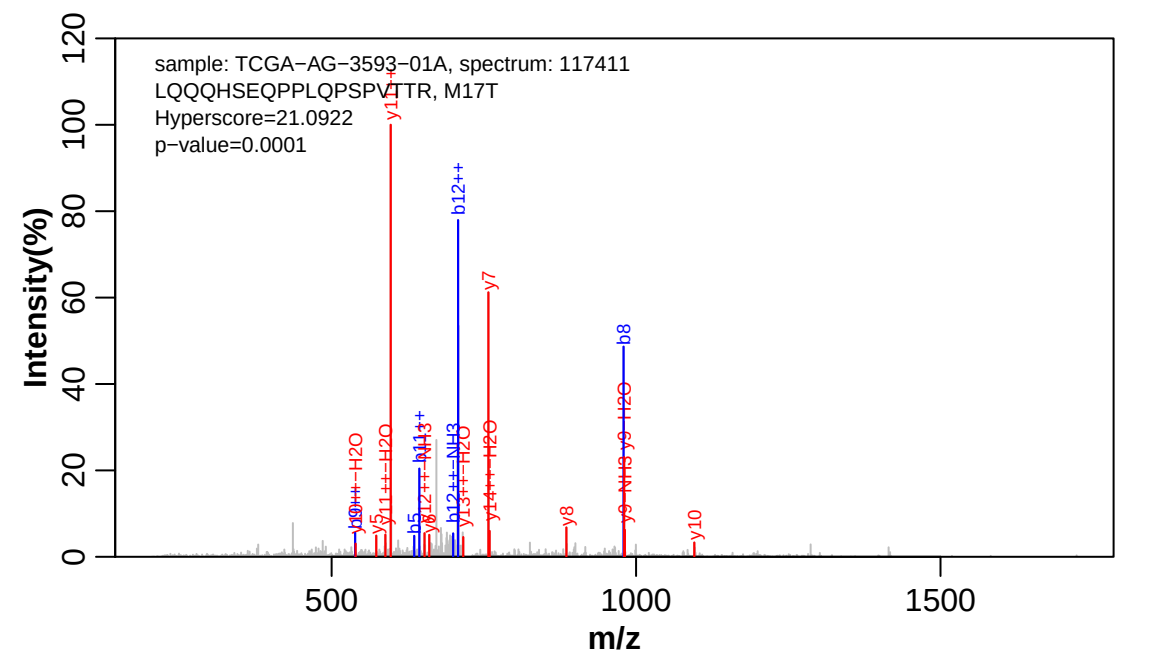

sample: TCGA−AG−3593−01A, spectrum: 42024
LFEEDPAVGALVLTGGDK, T15
Hyperscore=91.5383
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
b10++
b11++
b12++
b13++
b14++
b10
b11
b12
b7++
b8
b9
y10
y2
y3
y7++
b4
b5
y7−H2O
b15++−H2O
b15++
b7
y17++
y9
b17++

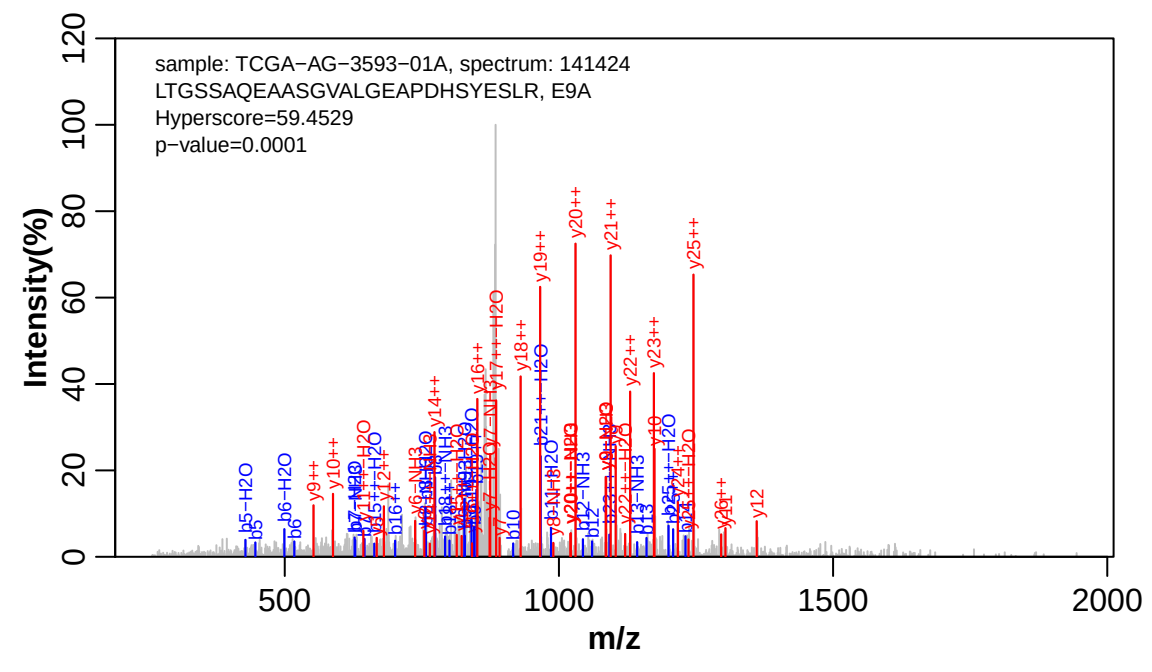

sample: TCGA−AG−3593−01A, spectrum: 75215
LGLTPEGQSYLDQFR, V3I
Hyperscore=36.2481
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
b4
y3
y4
b6
b6−H2O
b7−H2O
y5
y6
y6−H2O
y7
b10−H2O
b10−NH3
y8
y9
b11−NH3
b11
y10
b12
y11
y11−H2O
y12

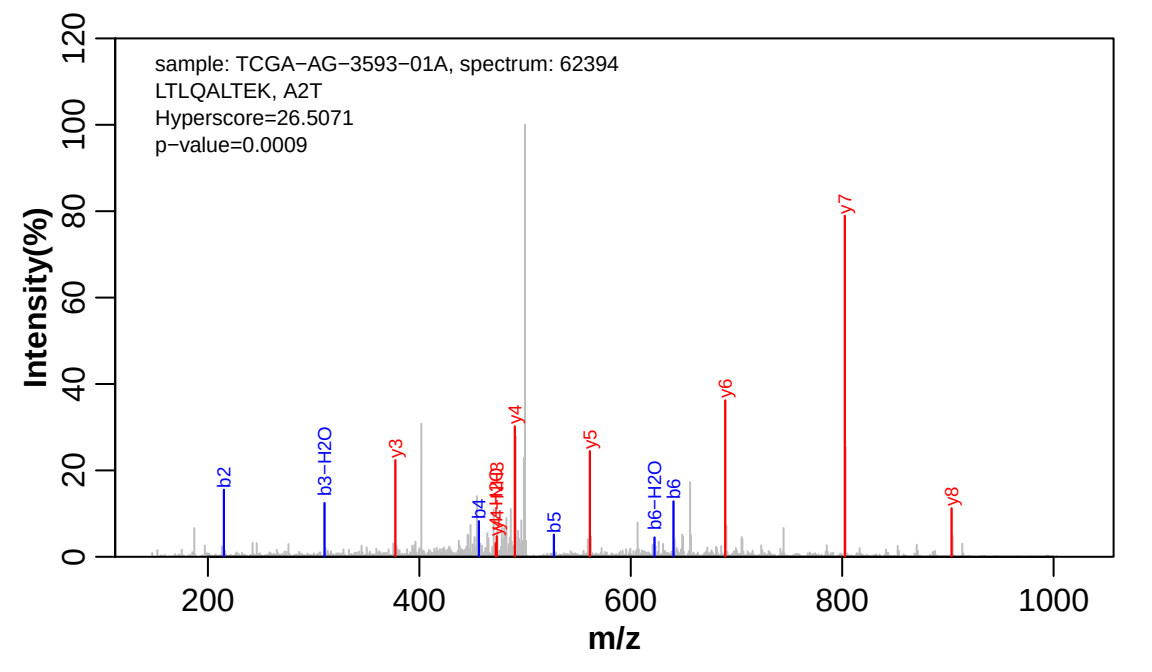

sample: TCGA−AG−3593−01A, spectrum: 32597
LLNLLADLVER, R4L
Hyperscore=43.5532
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y8
y4
y3
y2
b5
b5−NH3
b4
b4−NH3
b3
b2
b7
b8−NH3
b8
b9−NH3
b9
b10

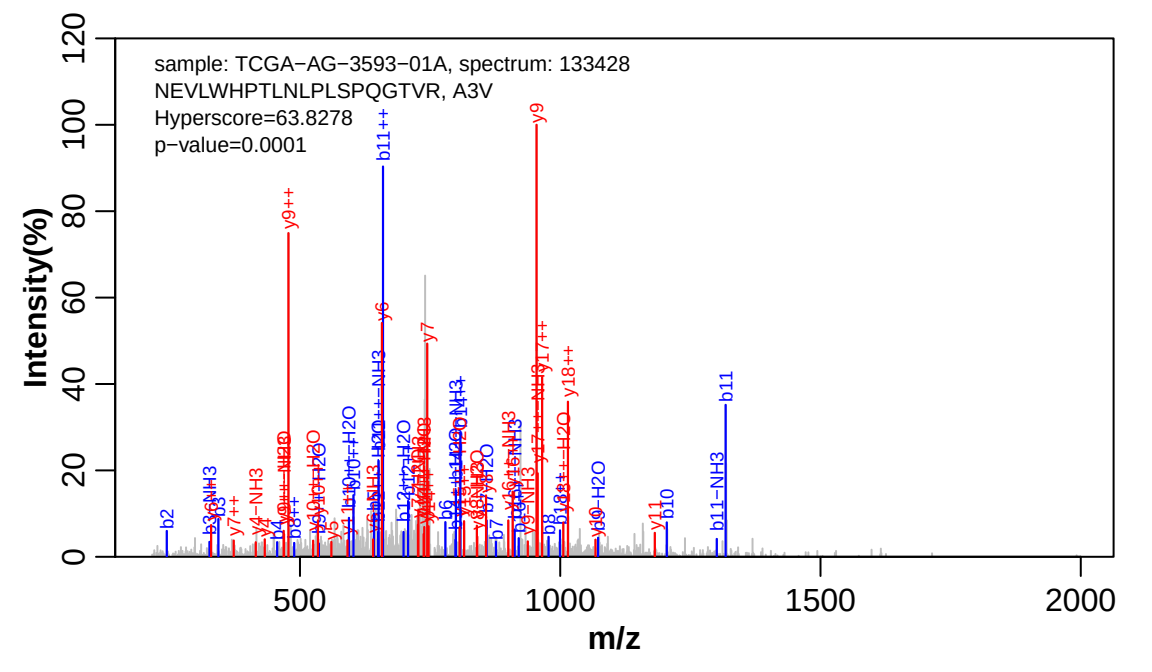

sample: TCGA−AG−3593−01A, spectrum: 94437
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=45.3630
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b11++
y16++
y19++
y14++
y11++
y17++
b15++
y16++−H2O
y19++−H2O
b10
y10
y11−H2O
y11
b2
y5++
y4−H2O
y4
b4
b8++−H2O
y5
y8
y10−H2O

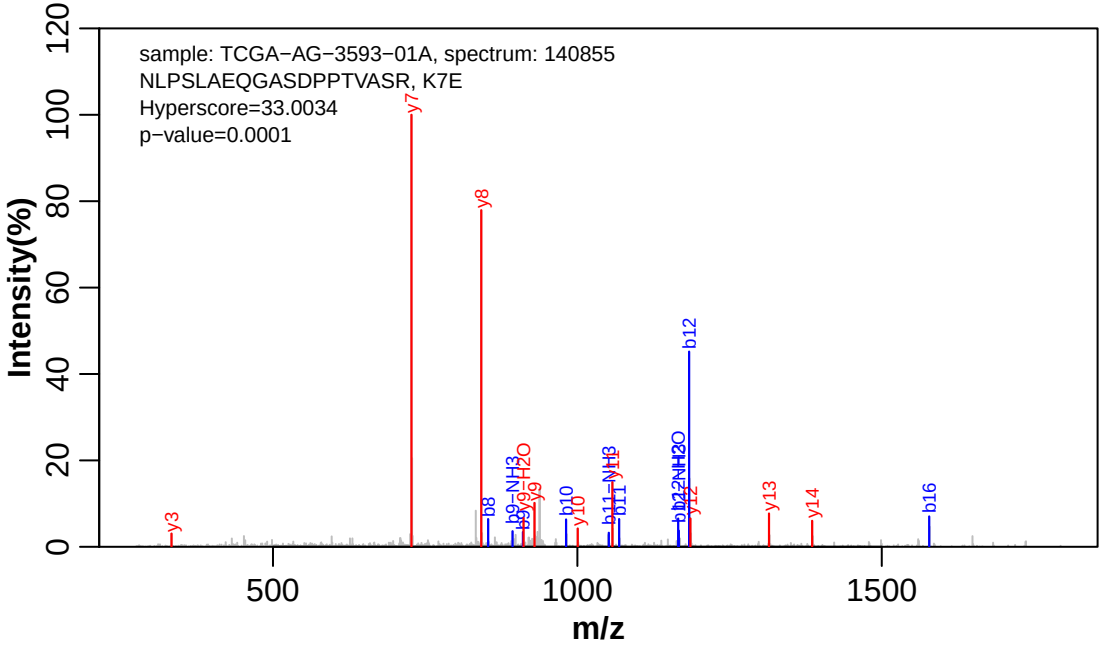

sample: TCGA−AG−3593−01A, spectrum: 109957
LQHLVNELTHDLLTK, E5V
Hyperscore=50.7915
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y10++
y14+++−H2O
b5++
b13++

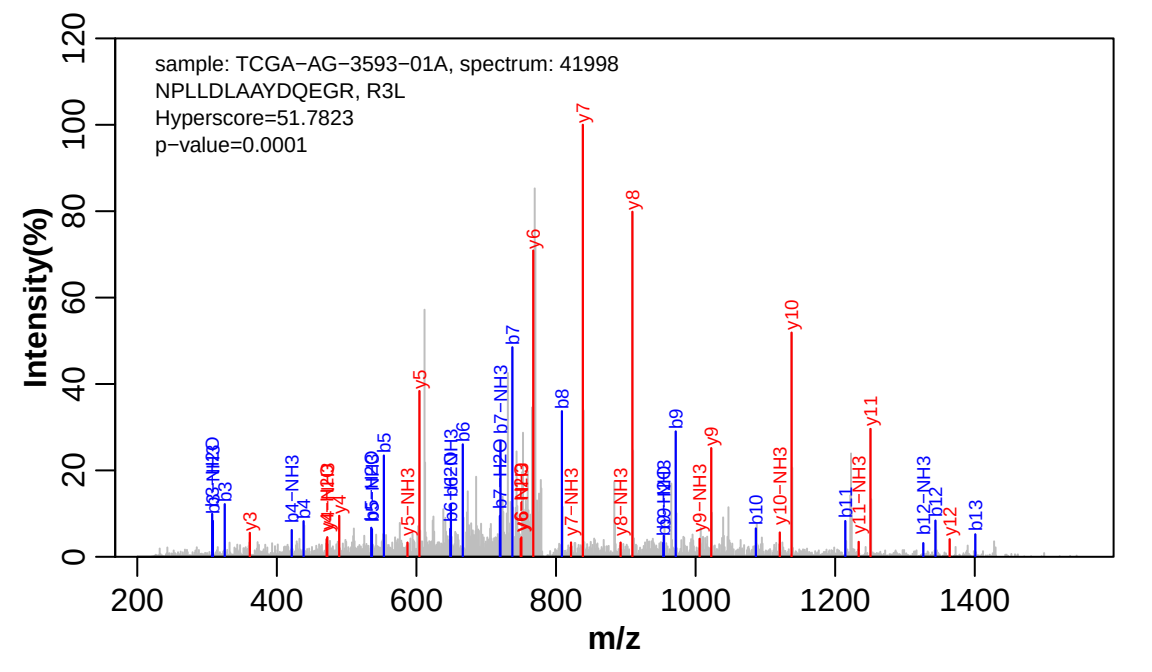

sample: TCGA−AG−3593−01A, spectrum: 117411
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.0922
p−value=0.0001
Intensity(%)
m/z
y11++
b12++
y7
b8
y9 NH3 y9 H2O
y14++ H2O
y13++ H2O
y11++ H2O
y10
y8
b12++ NH3
b11++
b5
y5
y9++ H2O
0
20
40
60
80
100
120
500
1000
1500

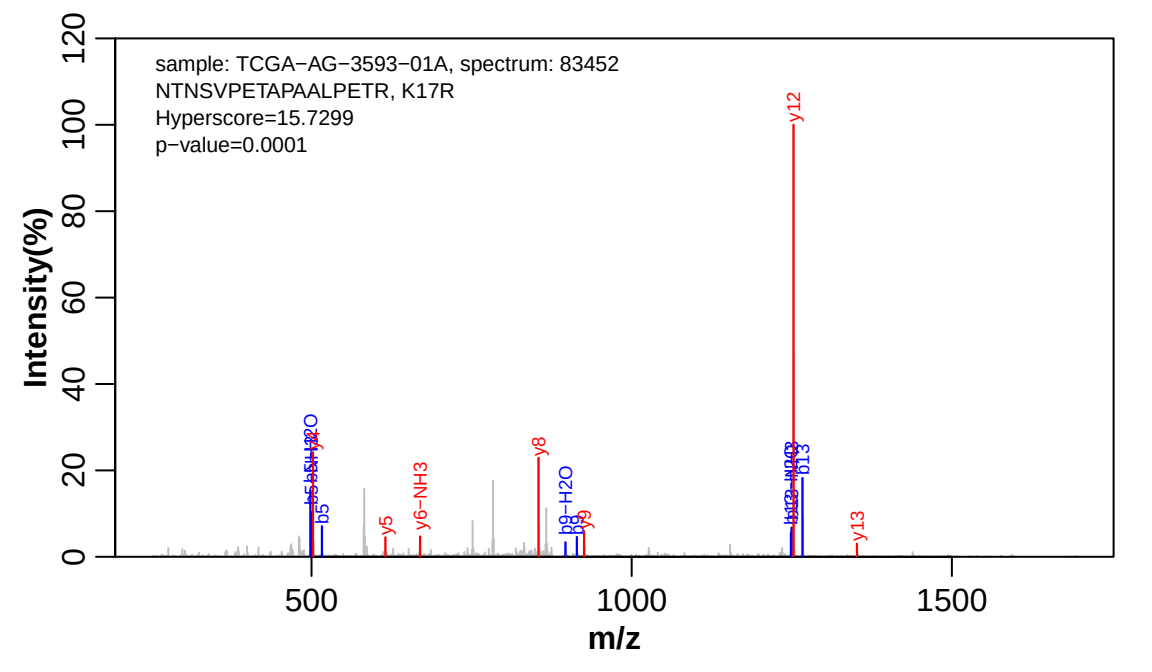

sample: TCGA−AG−3593−01A, spectrum: 141424
LTGSSAQEAASGVALGEAPDHSYESLR, E9A
Hyperscore=59.4529
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y20++
y21++
y25++
y19++
y18++
y23++
y22++
y22++−H2O
y9++
y10++
y12
b5−H2O
b6−H2O
y16++
y17++−H2O
b21++−H2O
b12−NH3
b13−NH3

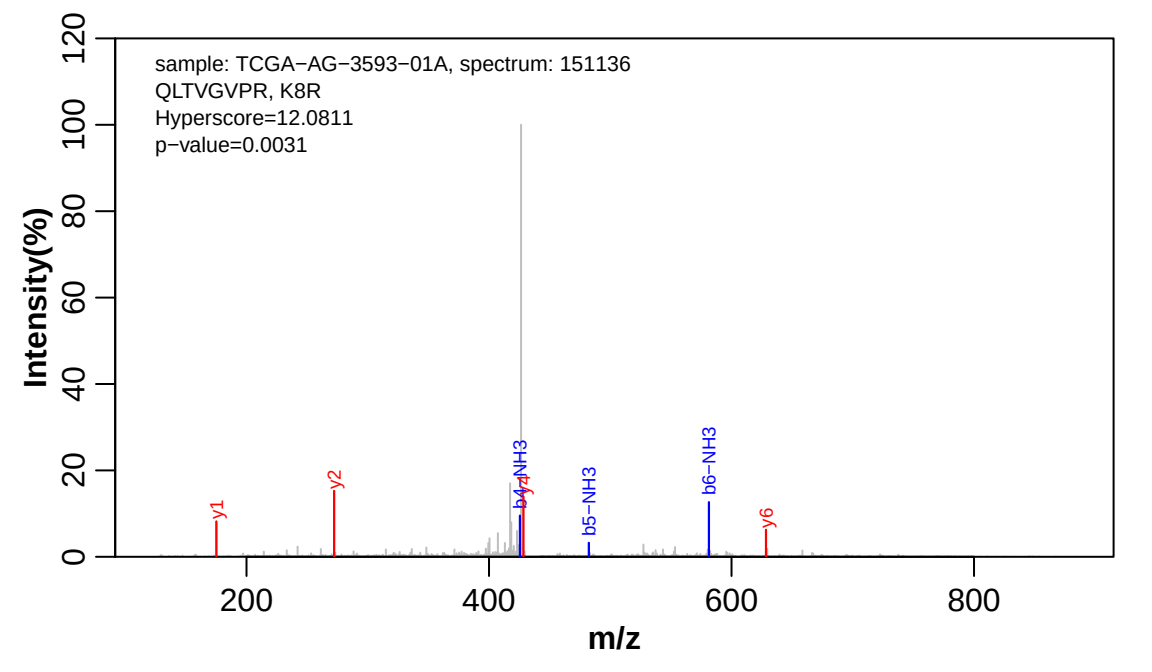

sample: TCGA−AG−3593−01A, spectrum: 62394
LTLQALTEK, A2T
Hyperscore=26.5071
p−value=0.0009
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
y3
b4
y4
b5
y5
b6−H2O
b6
y6
y7
y8

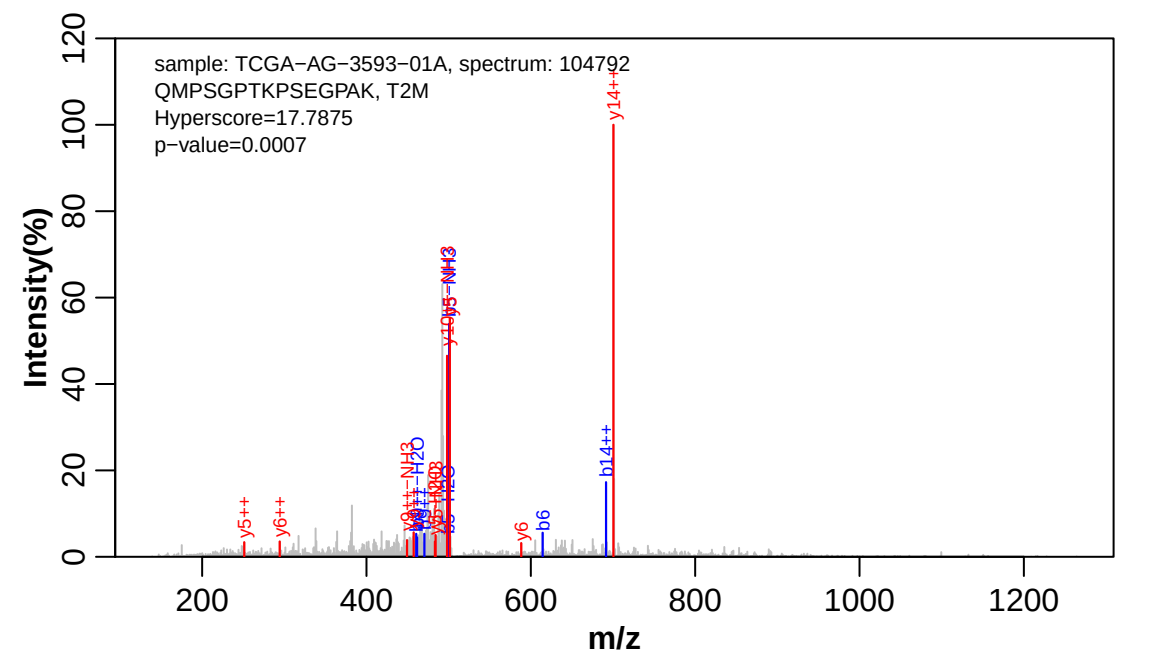

sample: TCGA−AG−3593−01A, spectrum: 133428
NEVLWHPTLNLPLSPQGTVR, A3V
Hyperscore=63.8278
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b2
b3−NH3
b3
y7++
y4−NH3
y4
b8++
y9++
b9++−H2O
b9++
y5
y11++−H2O
y11++
b10++−H2O
b10++
b11++
y6
y6++−NH3
b12++−H2O
b12++
y7
b6
b7
y8++−H2O
y8++
b8++
y9
y17++
y18++
y10−H2O
y10
y11
b10
b11−NH3
b11

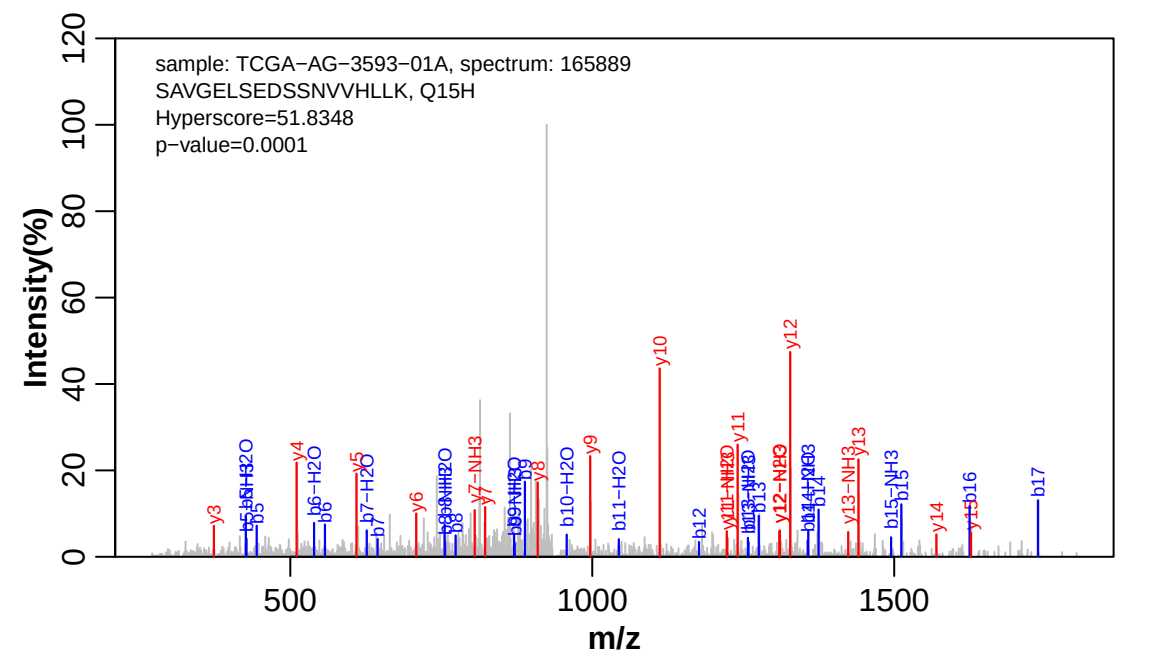

sample: TCGA−AG−3593−01A, spectrum: 140855
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=33.0034
p−value=0.0001
Intensity(%)
m/z
y7
y8
b12
y3
b8
b9−NH3
b9−H2O
y9
b10
y10
b11−NH3
b11
y11
y12
y13
y14
b16

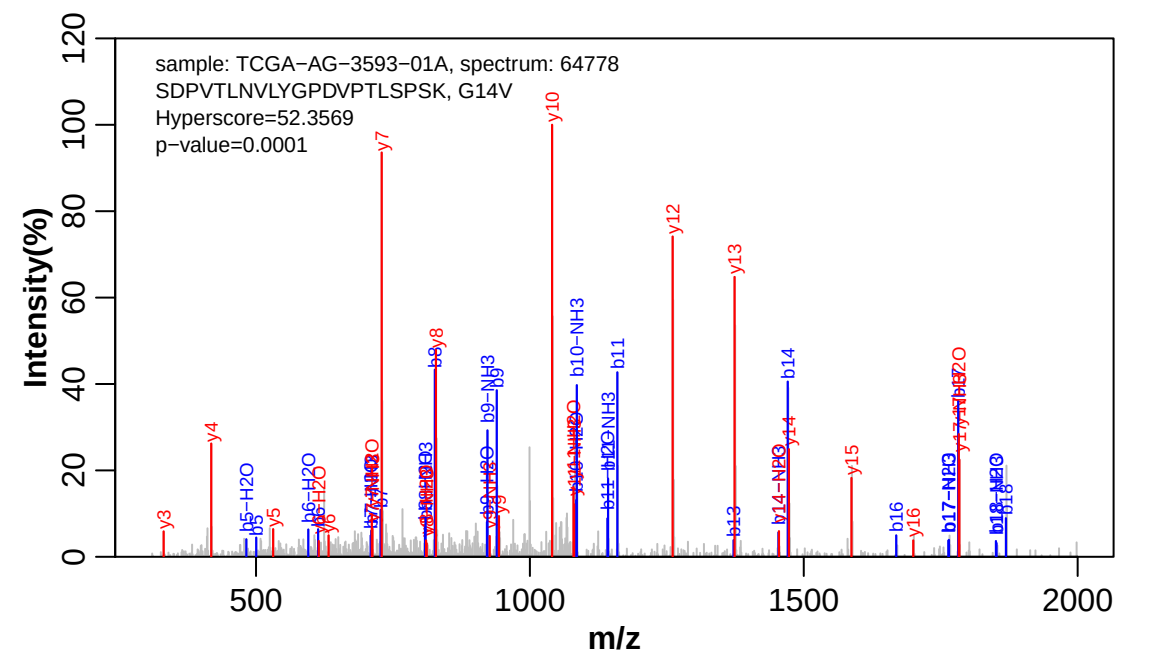

sample: TCGA−AG−3593−01A, spectrum: 41998
NPLLDLAAYDQEGR, R3L
Hyperscore=51.7823
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y8
y6
y10
y5
y11
b7
b8
b9
b6
b5
y9
b10
b11
b12
b13
y12
b12−NH3
y11−NH3
y10−NH3
y9−NH3
y8−NH3
y7−NH3
y5−NH3
b7−H2O
b7−NH3
b6−H2O
b6−NH3
b5−NH3
b4−NH3
y4−NH3
y3
b4
b3

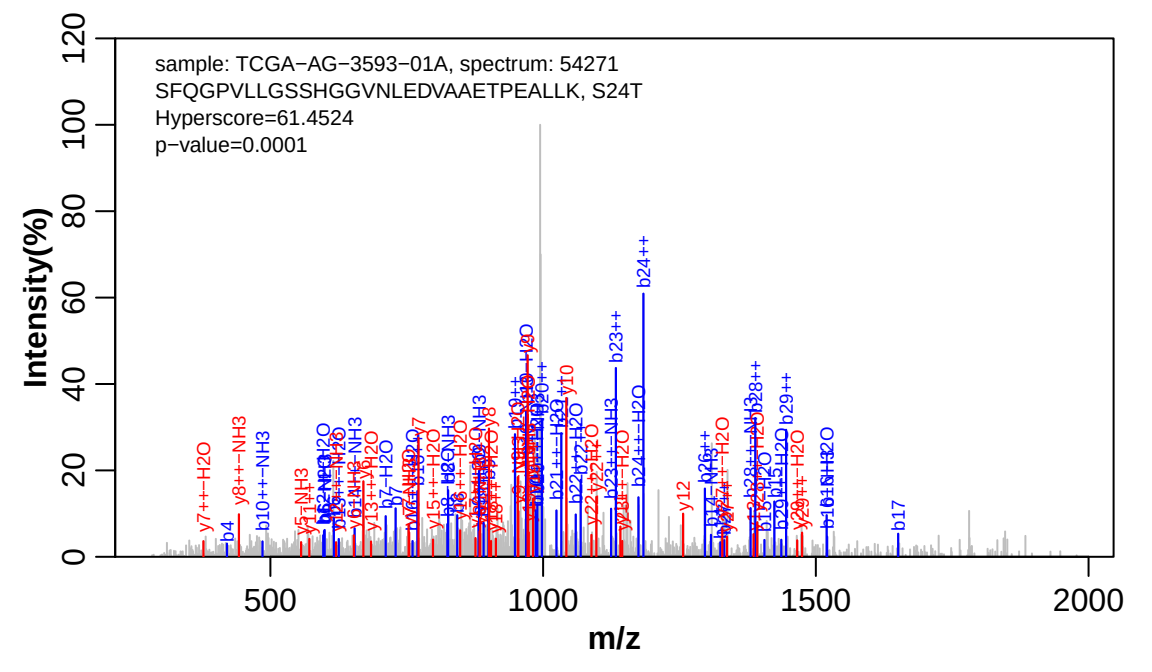

sample: TCGA−AG−3593−01A, spectrum: 83452
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7299
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
y6−NH3
b5
b9−H2O
b9
b13
y13

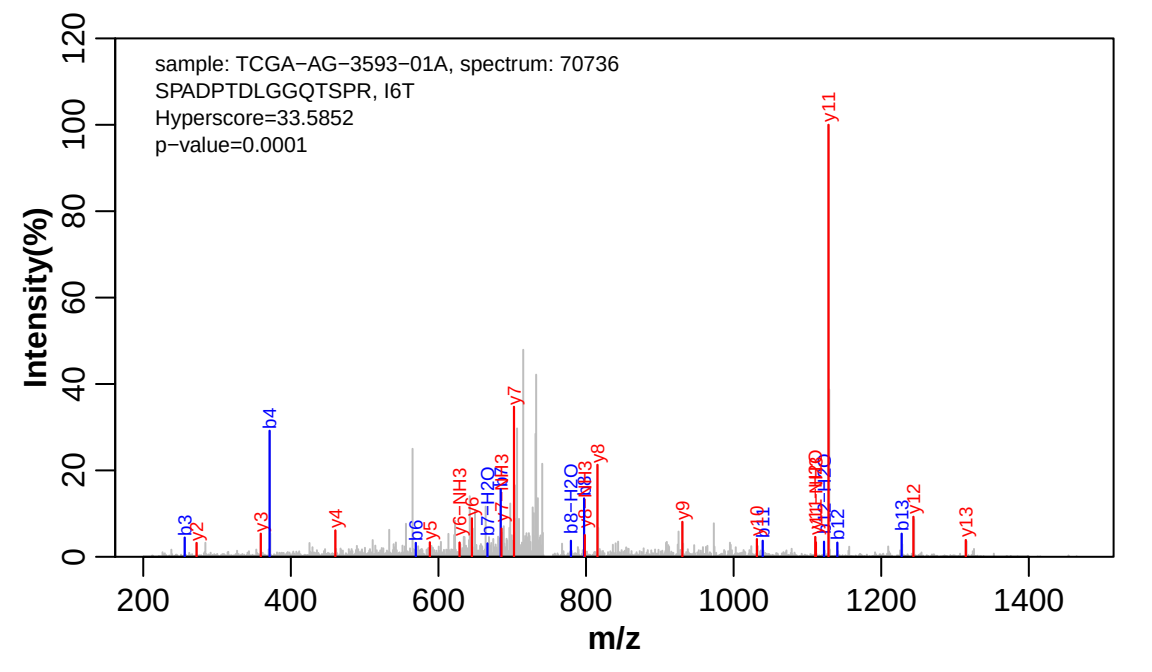

sample: TCGA−AG−3593−01A, spectrum: 151136
QLTVGVPR, K8R
Hyperscore=12.0811
p−value=0.0031
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
y2
b4−NH3
y4
b5−NH3
b6−NH3
y6

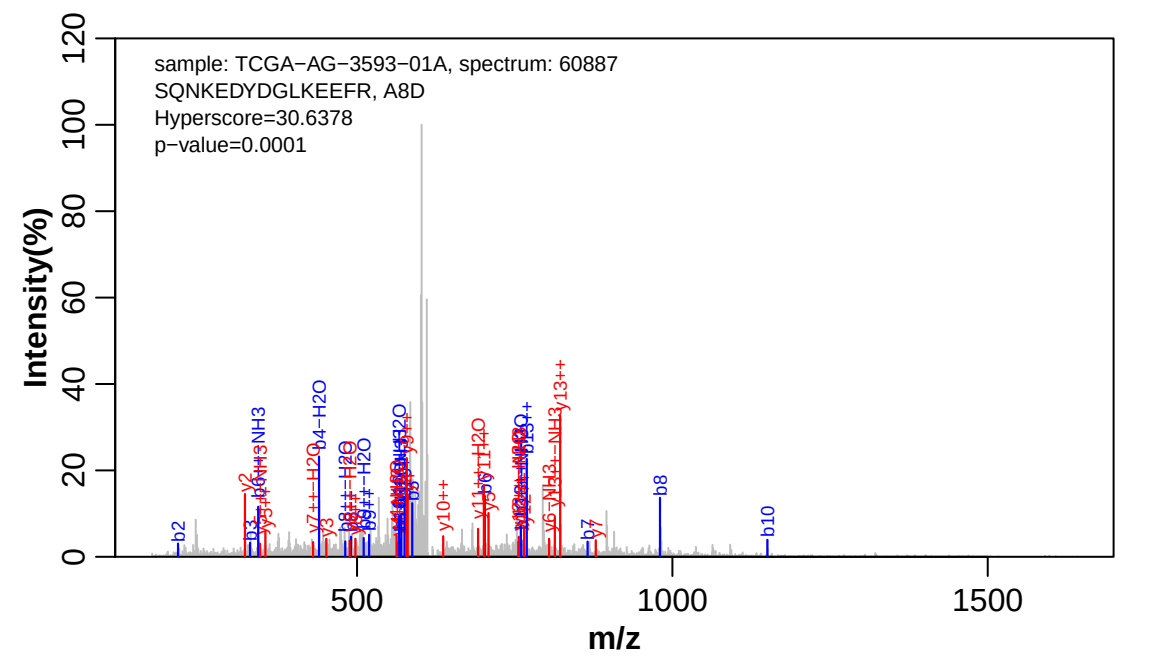

sample: TCGA−AG−3593−01A, spectrum: 104792
QMPSGPTKPSEGPAK, T2M
Hyperscore=17.7875
p−value=0.0007
Intensity(%)
m/z
y14++
y5−NH3
b14++
y5++
y6++
y6
b6

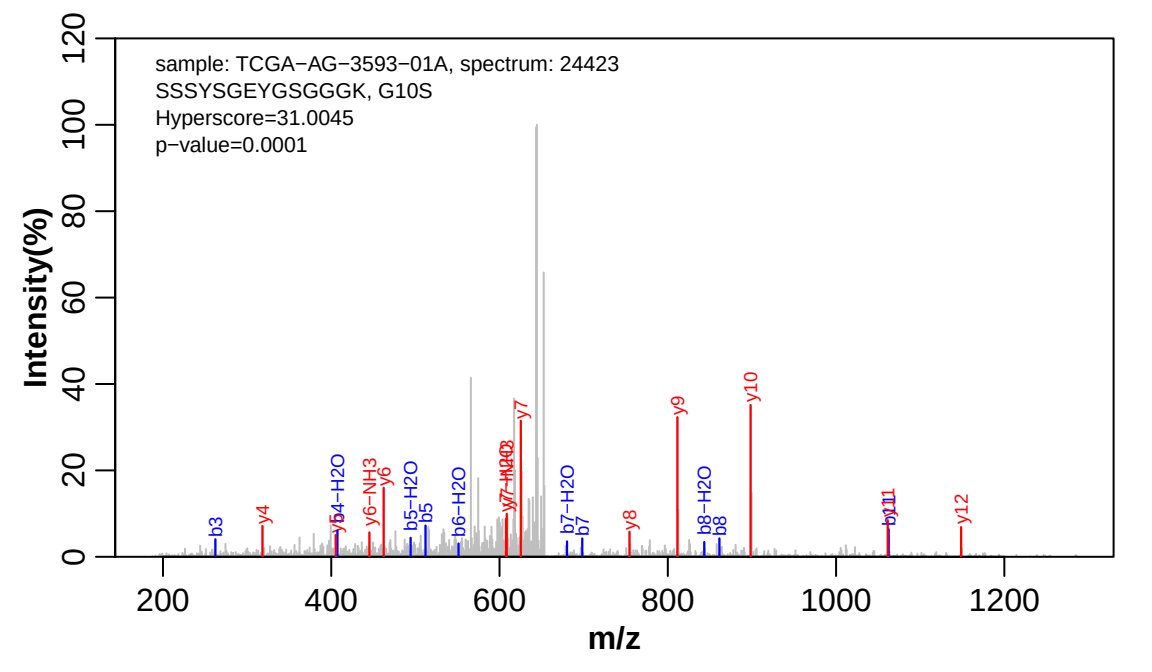

sample: TCGA−AG−3593−01A, spectrum: 165889
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=51.8348
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
y6
y7−NH3
y8
y9
b10−H2O
b11−H2O
y10
b12
y11
y12
y13
y13−NH3
b15−NH3
y14
b17

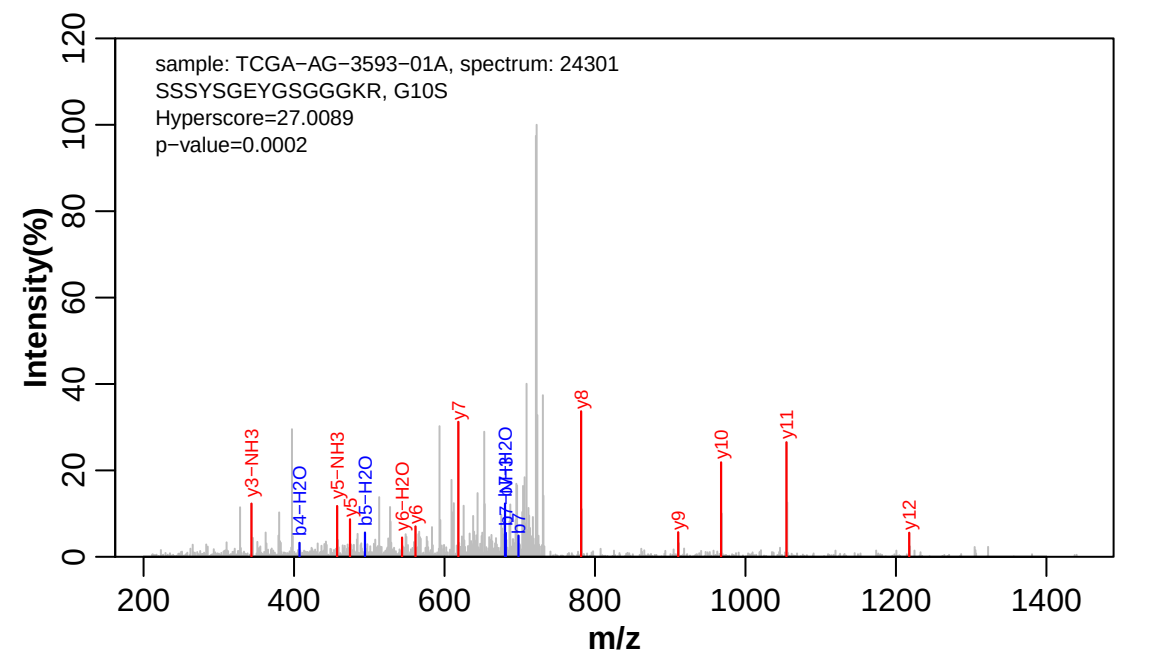

sample: TCGA−AG−3593−01A, spectrum: 64778
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=52.3569
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10
y7
y12
y13
y4
y8
b10−NH3
b11
b9−NH3
b14
y14
y15
y3
y5
b5−H2O
b6−H2O
b13
b14−NH3
b16
y16
b17−NH3
b18

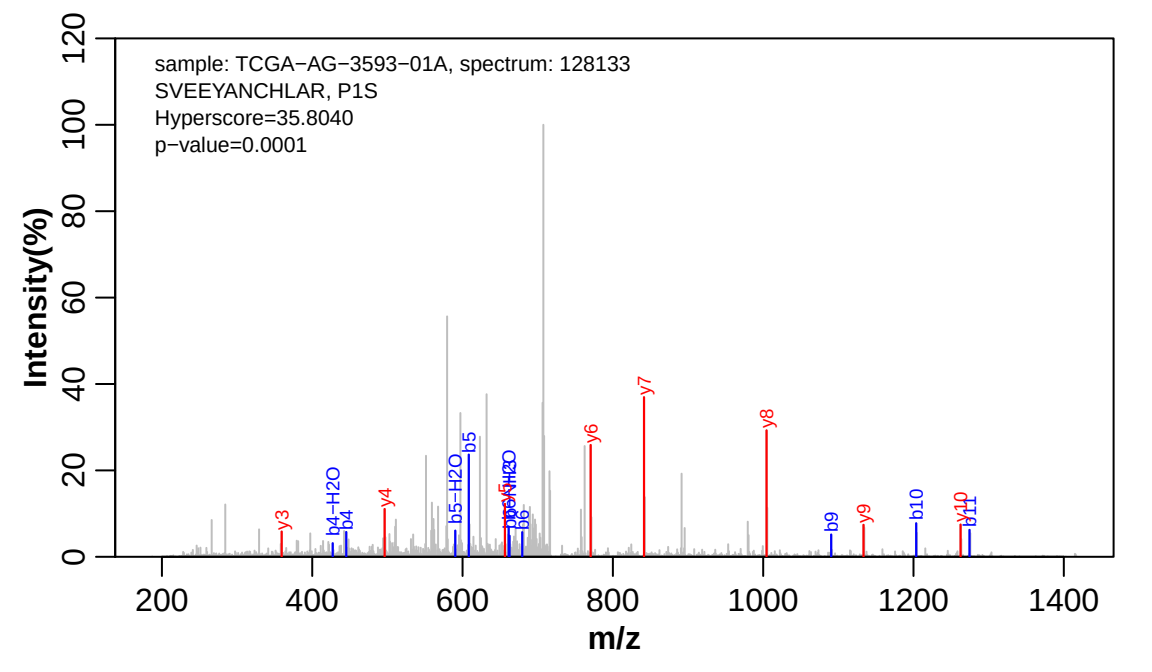

sample: TCGA−AG−3593−01A, spectrum: 54271
SFQGPVLLGSSHGGVNLEDVAAETPEALLK, S24T
Hyperscore=61.4524
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y7++−H2O
b4
y8++−NH3
b10++−NH3
b7−H2O
b24++
b23++
b24++−H2O
y12
b17
b29++

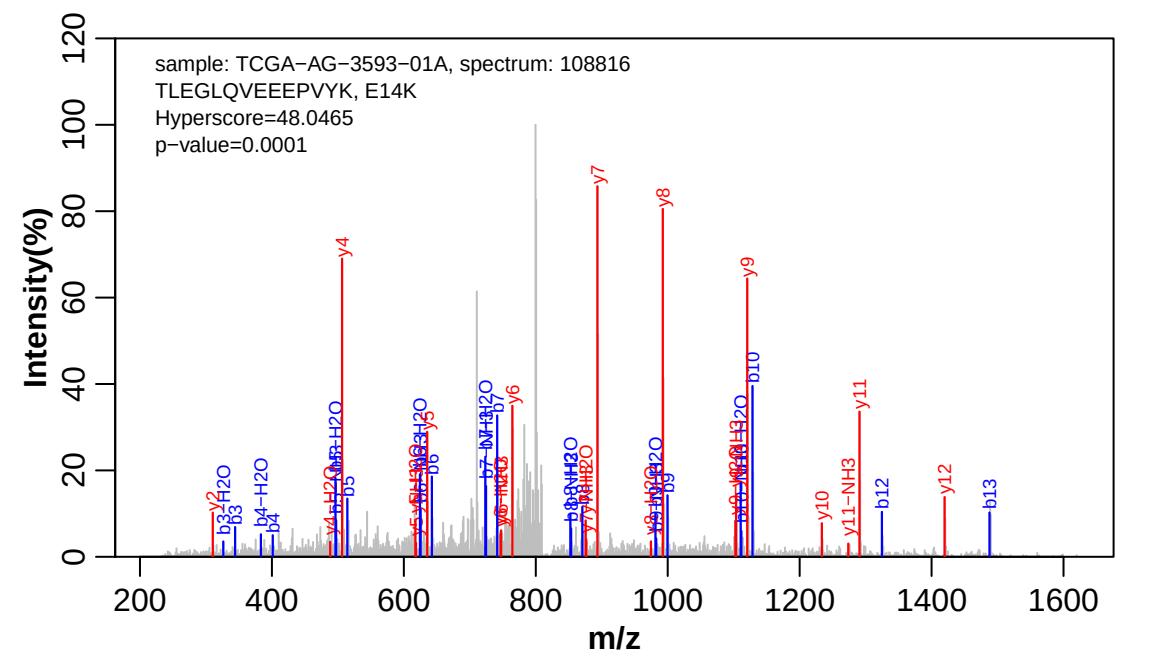

sample: TCGA−AG−3593−01A, spectrum: 70736
SPADPTDLGGQTSPR, I6T
Hyperscore=33.5852
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
b6
y5
y6−NH3
y6
b7−H2O
b7
y7
y7−NH3
b8−H2O
b8
y8
y8−NH3
y9
b11
y10
y11
y11−NH3
y11−H2O
b12
b13
y12
y13

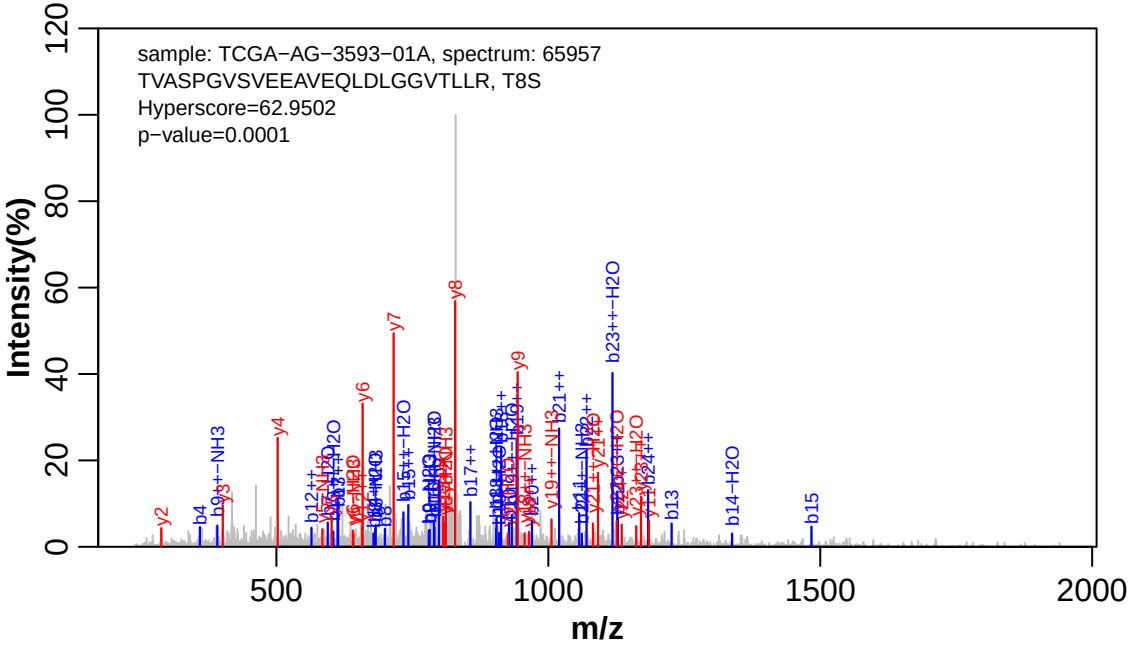

sample: TCGA−AG−3593−01A, spectrum: 60887
SQNKEDYDGLKEEFR, A8D
Hyperscore=30.6378
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
y3
y4
y7
y10++
b8
b10
y13++

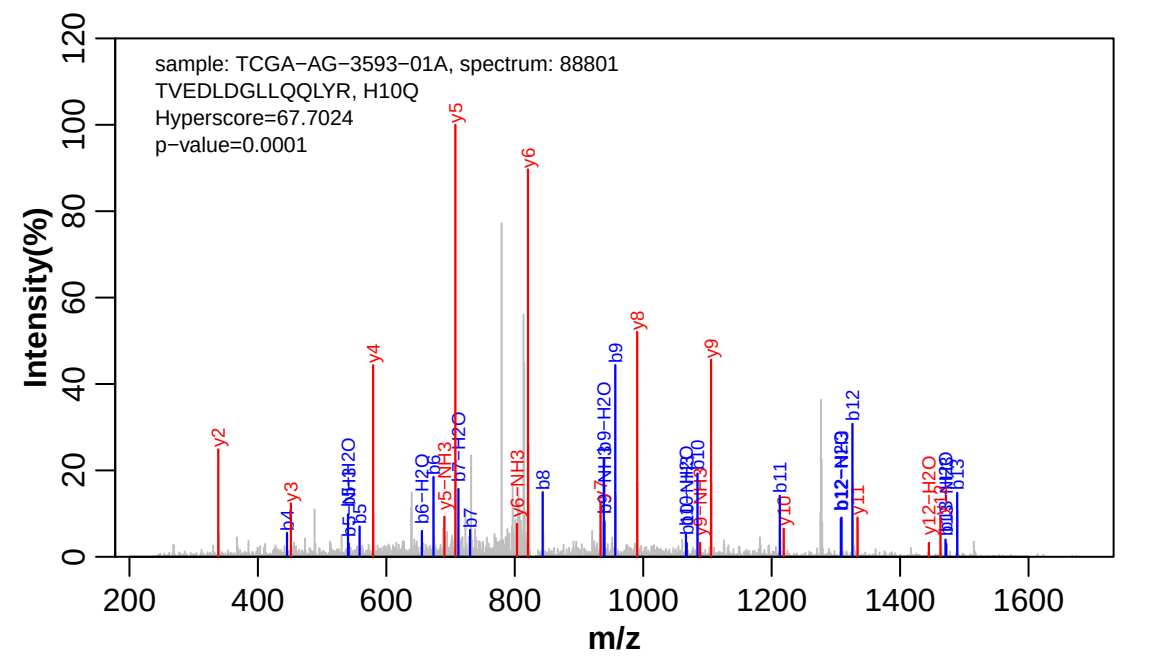

sample: TCGA−AG−3593−01A, spectrum: 24423
SSSYSGEYGSGGGK, G10S
Hyperscore=31.0045
p−value=0.0001
Intensity(%)
m/z
b3
y4
y5−H2O
y6−NH3
y6
b5−H2O
b5
b6−H2O
y7−H2O
y7−NH3
y7
b7−H2O
b7
y8
y9
b8−H2O
b8
y10
by11
y12

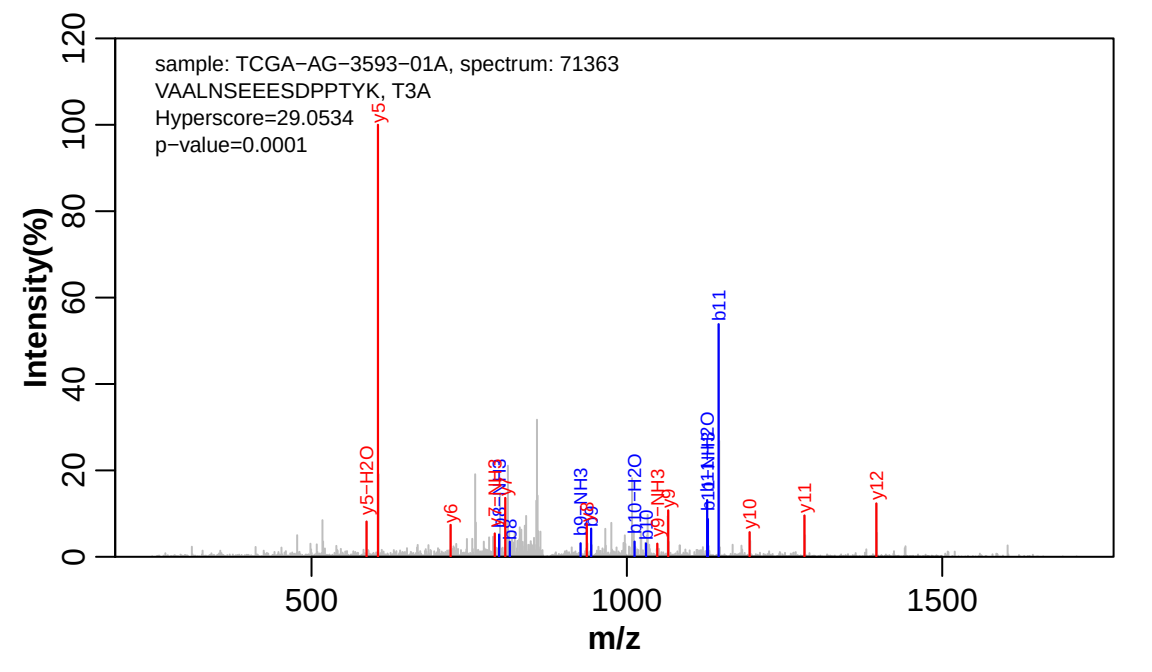

sample: TCGA−AG−3593−01A, spectrum: 24301
SSSYSGEYGSGGGKR, G10S
Hyperscore=27.0089
p−value=0.0002
Intensity(%)
m/z
y3−NH3
b4−H2O
y5−NH3
y5
b5−H2O
y6−H2O
y6
y7
b7−NH3
b7−H2O
b7
y8
y9
y10
y11
y12

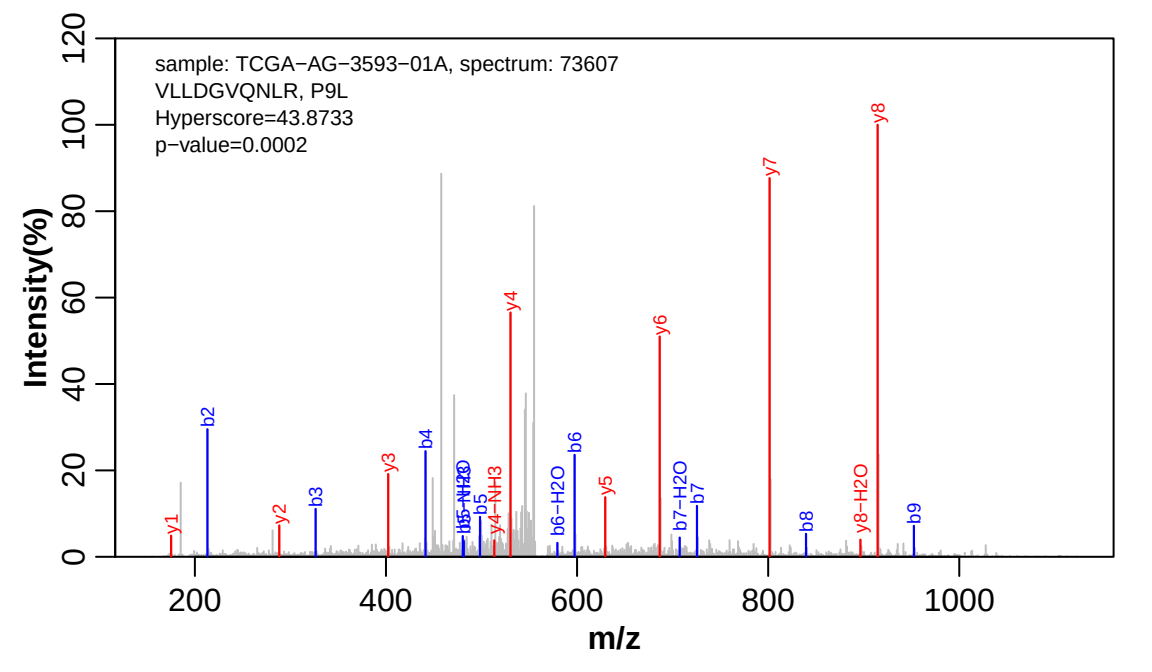

sample: TCGA−AG−3593−01A, spectrum: 128133
SVEEYANCHLAR, P1S
Hyperscore=35.8040
p−value=0.0001
Intensity(%)
m/z
y3
b4−H2O
b4
y4
b5−H2O
b5
b6
y6
y7
y8
b9
y9
b10
y10
b11

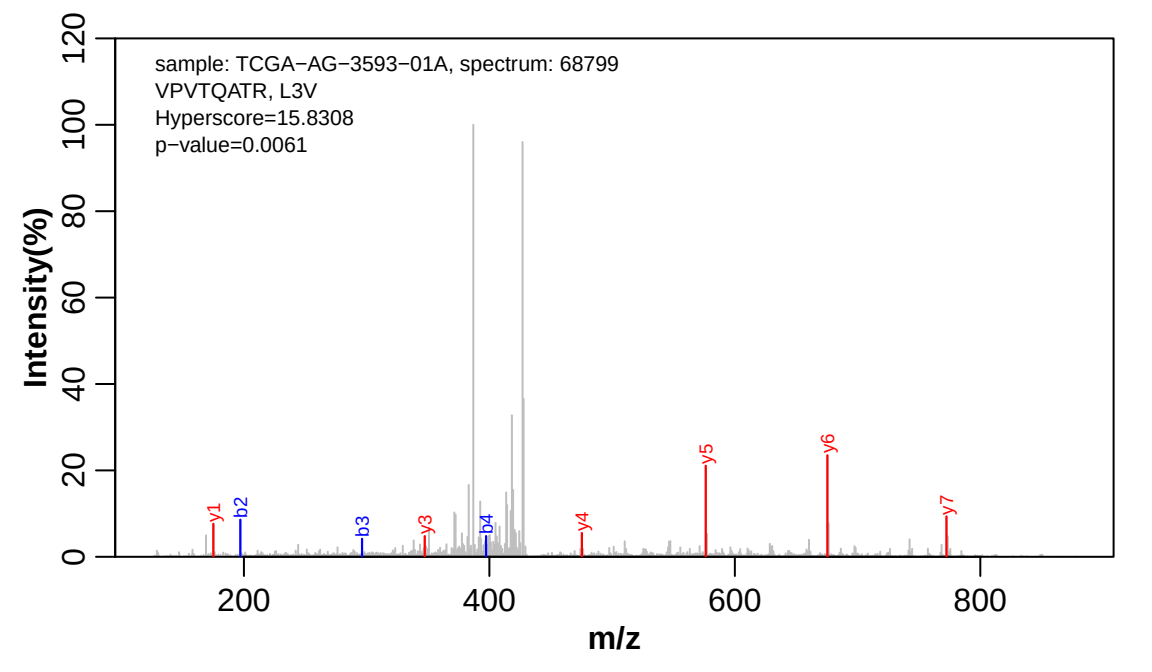

sample: TCGA−AG−3593−01A, spectrum: 108816
TLEGLQVEEEPVYK, E14K
Hyperscore=48.0465
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y8
y4
y9
b10
y11
y6
y5
b8
b7
b5
b9
y10
y11−NH3
b12
y12
b13
b3
b4
y2

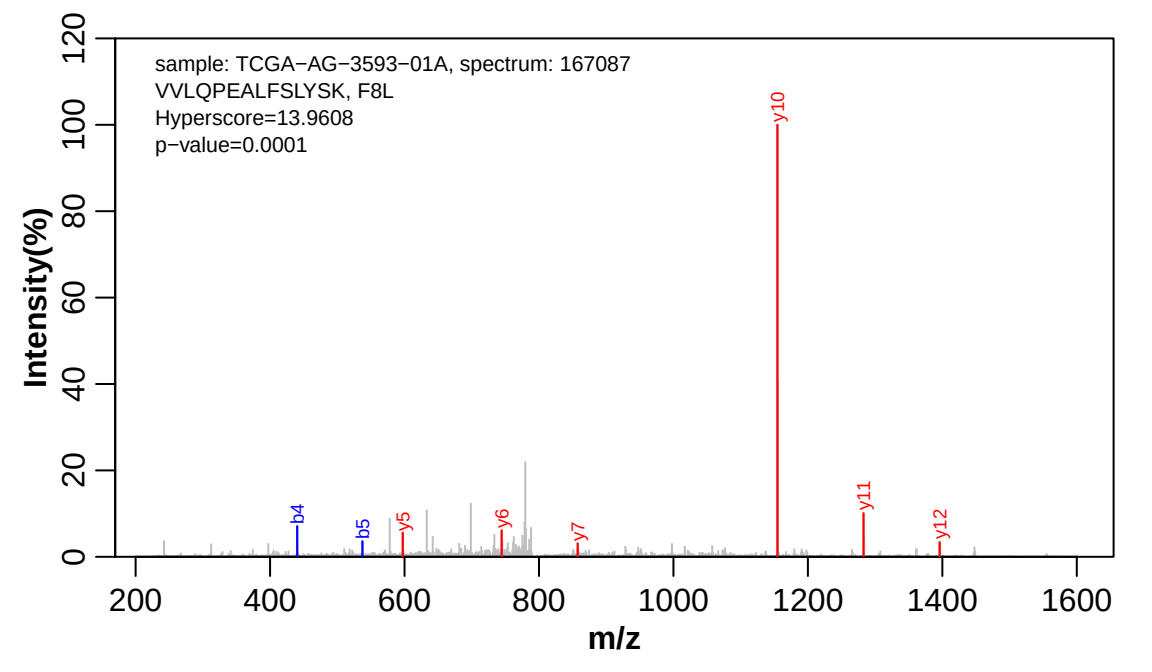

sample: TCGA−AG−3593−01A, spectrum: 65957
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=62.9502
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b4
b9++−NH3
y3
y4
b12++
y6
y7
b15++−H2O
y8
b17++
y9
b21++
b23++−H2O
b13
b14−H2O
b15

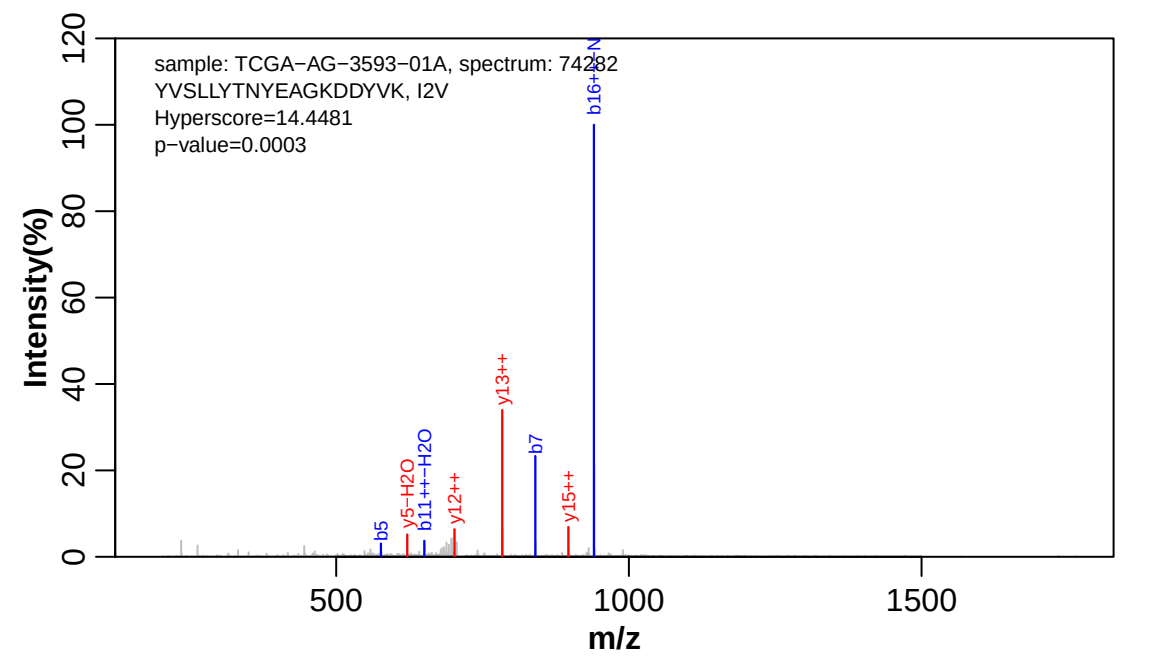

sample: TCGA−AG−3593−01A, spectrum: 88801
TVEDLDGLLQQLYR, H10Q
Hyperscore=67.7024
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b4
y3
b5−H2O
b5−NH3
b5
y4
b6−H2O
b6−NH3
y5−NH3
y5
b7−H2O
b7
y6−NH3
y6
b8
b9−NH3
b9−H2O
b9
y8
y9−NH3
y9
b10−NH3
b10−H2O
b10
y10
b11
b12−NH3
b12−H2O
b12
y11
y12−H2O
b13

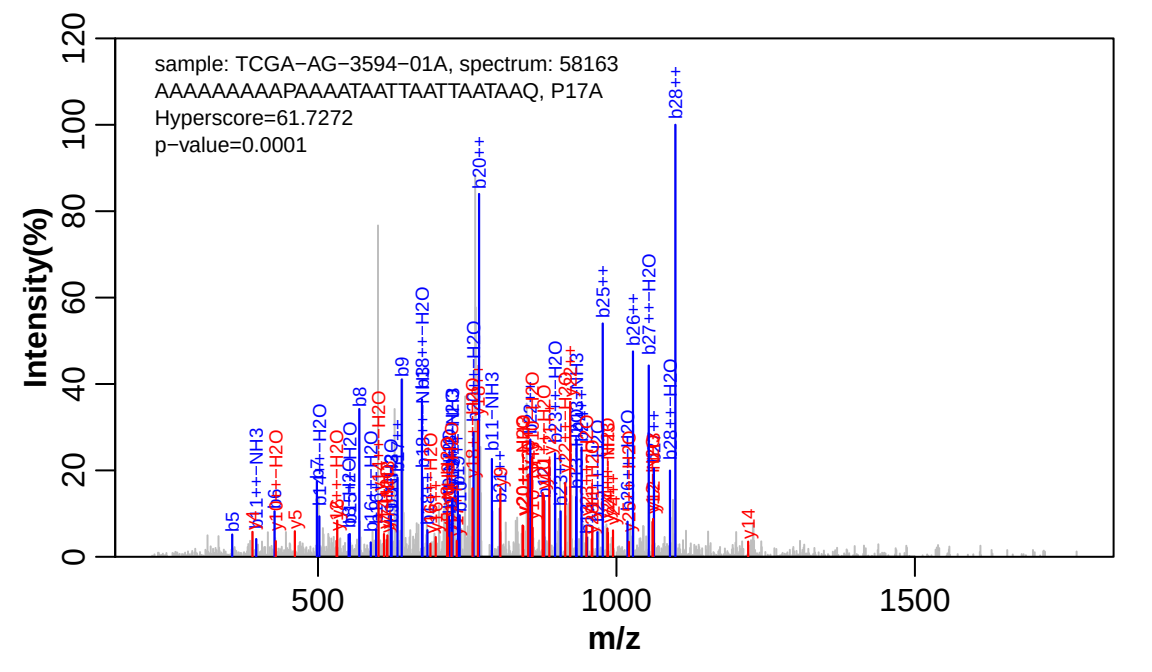

sample: TCGA−AG−3593−01A, spectrum: 71363
VAALNSEEESDPPTYK, T3A
Hyperscore=29.0534
p−value=0.0001
Intensity(%)
m/z
y5
y5−H2O
y6
b7−NH3
b8
b8−NH3
y7
b9−NH3
b9
b10−H2O
b10
y9
y9−NH3
b11
b11−NH2O
y10
y11
y12

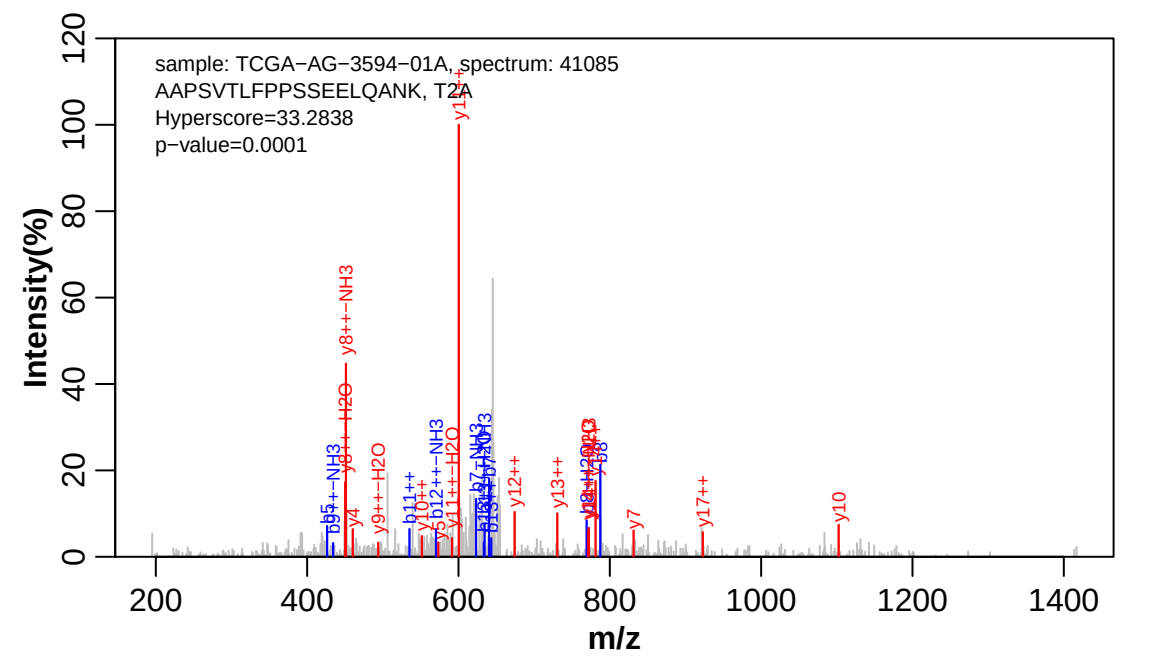

sample: TCGA−AG−3593−01A, spectrum: 73607
VLLDGVQNLR, P9L
Hyperscore=43.8733
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3
b4
b5−NH3
b5
y4−NH3
y4
b6−H2O
b6
y5
y6
b7−H2O
b7
b8
y7
y8−H2O
y8
b9

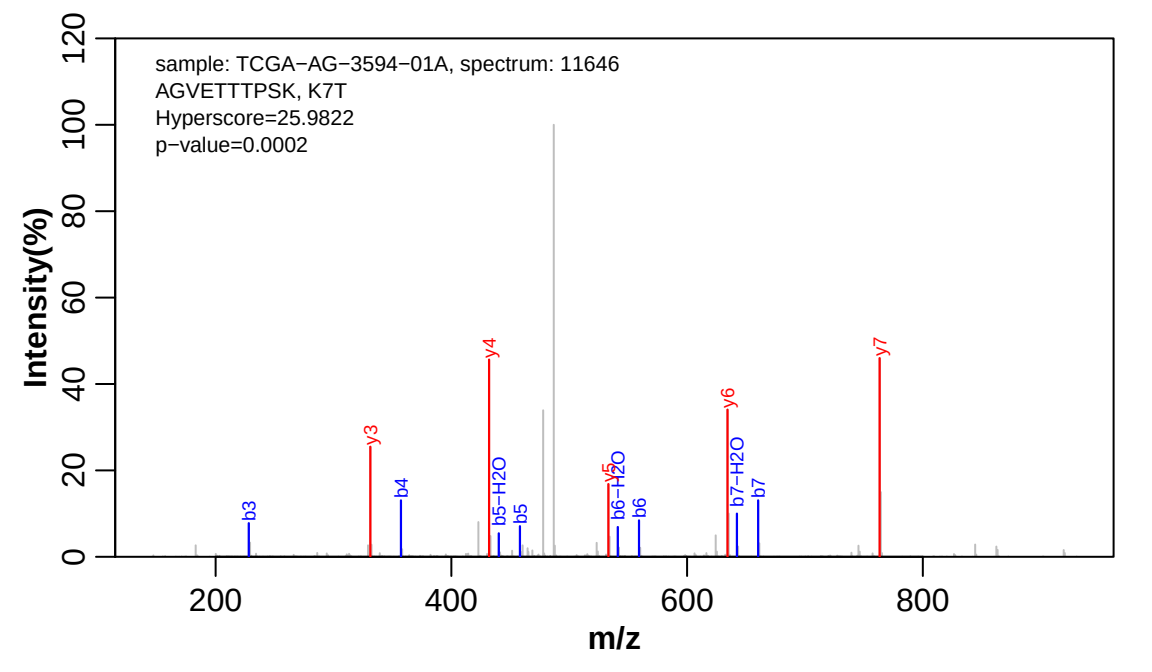

sample: TCGA−AG−3593−01A, spectrum: 68799
VPVTQATR, L3V
Hyperscore=15.8308
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
b4
y4
y5
y6
y7

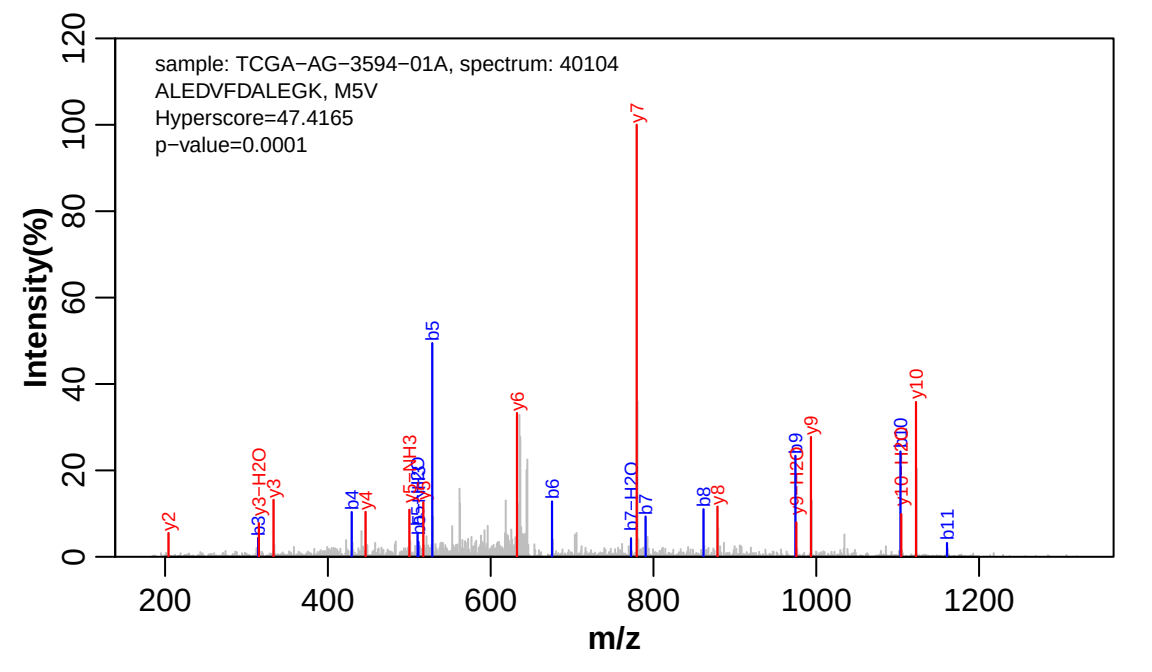

sample: TCGA−AG−3593−01A, spectrum: 167087
VVLQPEALFSLYSK, F8L
Hyperscore=13.9608
p−value=0.0001
Intensity(%)
m/z
b4
b5
y5
y6
y7
y10
y11
y12

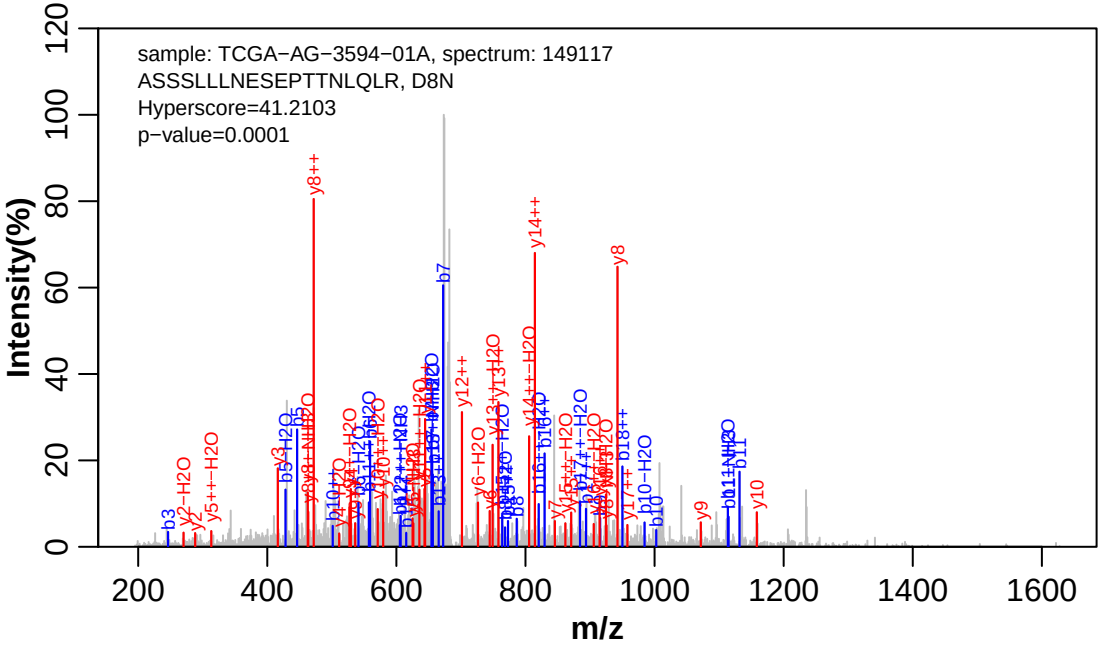

sample: TCGA−AG−3593−01A, spectrum: 74282
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=14.4481
p−value=0.0003
b16+−N
y13++
b7
y15++
y12++
y5−H2O
b11++−H2O
b5
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

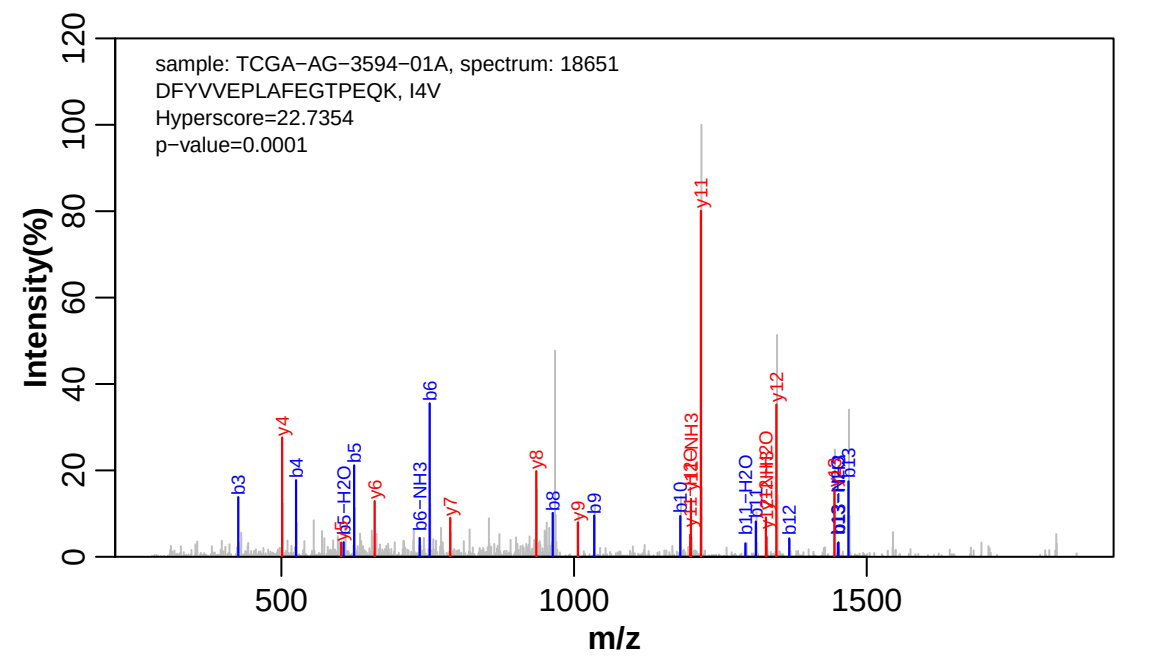

sample: TCGA−AG−3594−01A, spectrum: 58163
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=61.7272
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b20++
b25++
b26++
b27++−H2O
b28++−H2O
b11−NH3
b9
b8
b5
y14

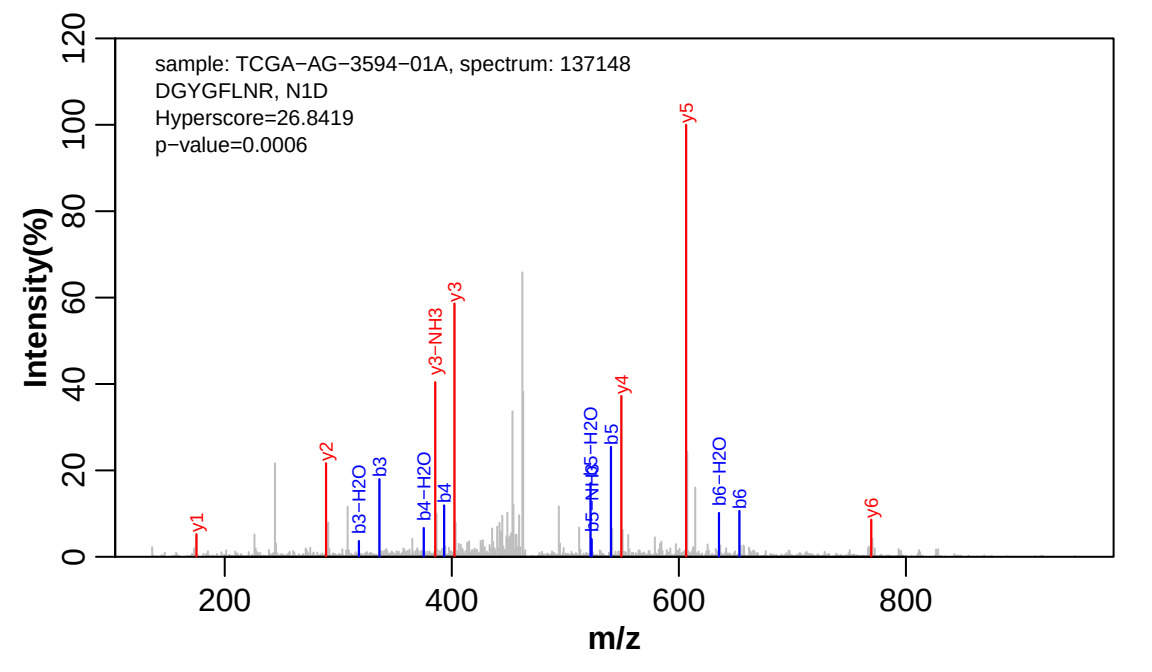

sample: TCGA−AG−3594−01A, spectrum: 41085
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=33.2838
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y11++
y8++−NH3
y8++−H2O
y4
y9++−H2O
b11++
y10++
y5
b12++−NH3
y11++−H2O
y12++
y13++
y7
y17++
y10

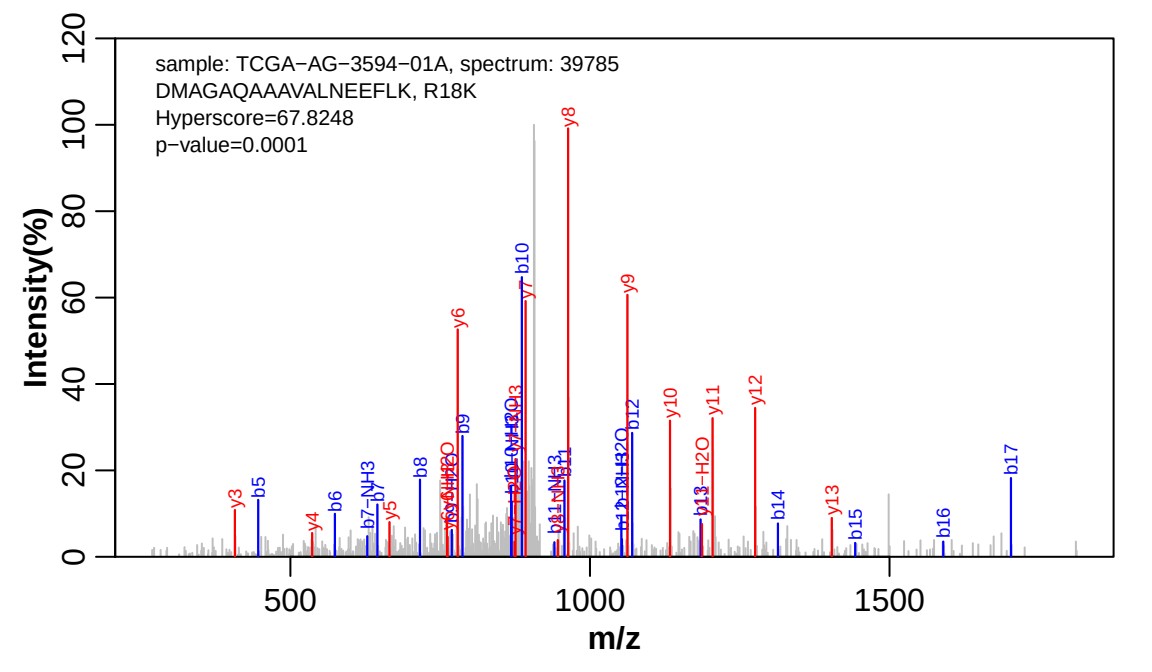

sample: TCGA−AG−3594−01A, spectrum: 11646
AGVETTTPSK, K7T
Hyperscore=25.9822
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7

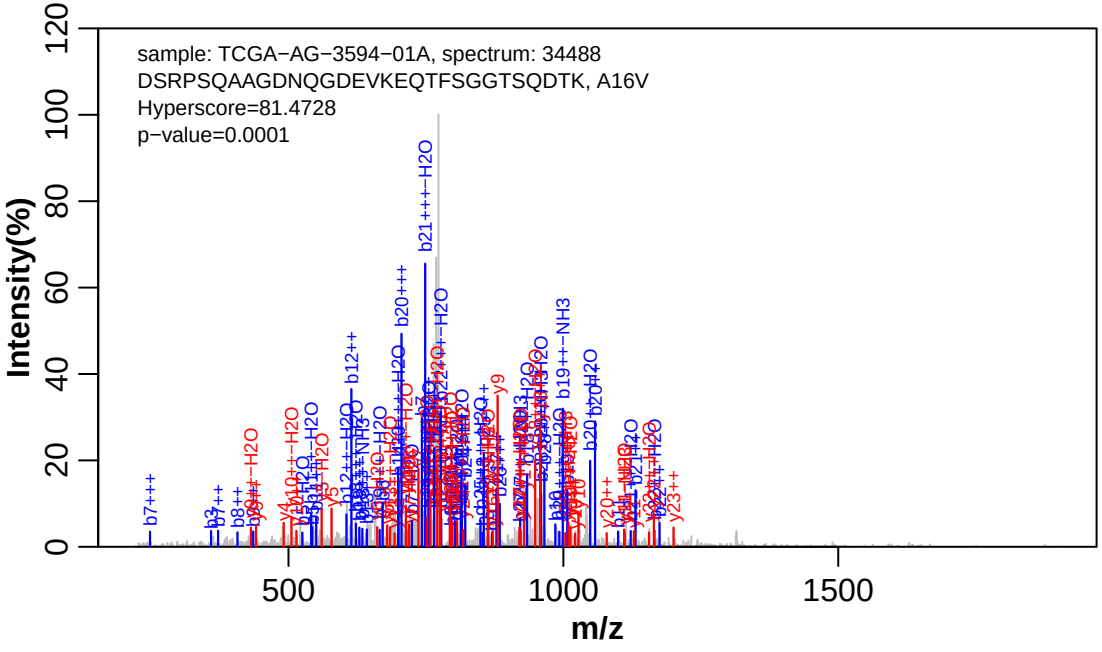

sample: TCGA−AG−3594−01A, spectrum: 40104
ALEDVFDALEGK, M5V
Hyperscore=47.4165
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3−H2O
y3
b4
y4
b5
y6
b6
b7−H2O
b7
y7
b8
y8
y9−H2O
b9
y9
y10−H2O
y10
b11

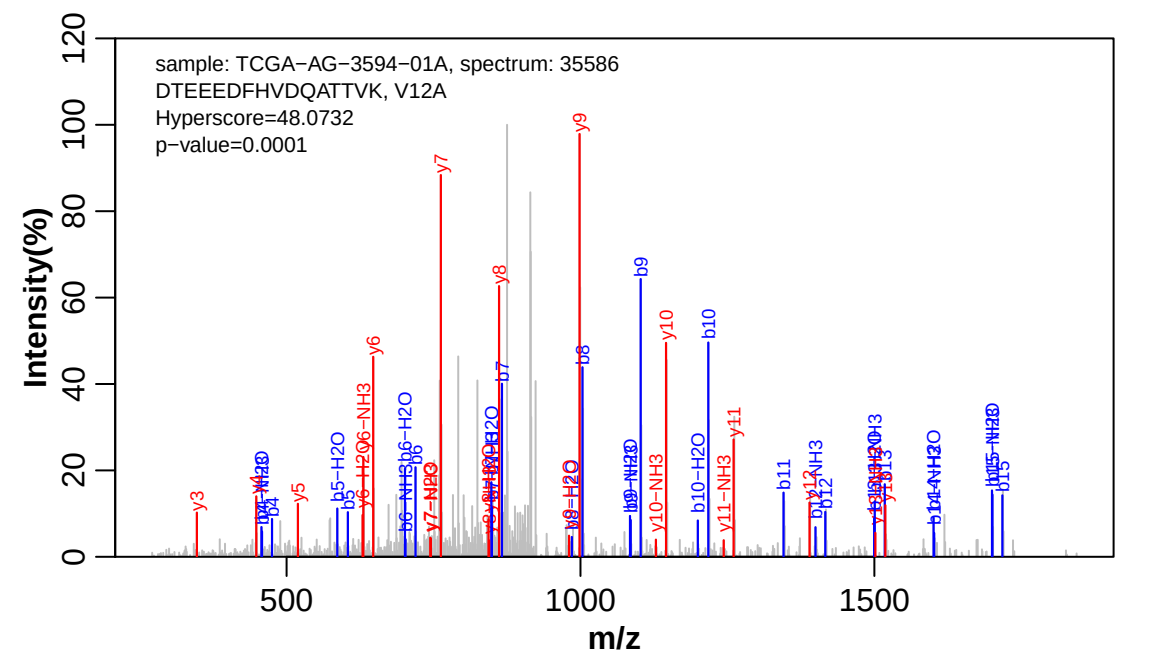

sample: TCGA−AG−3594−01A, spectrum: 149117
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=41.2103
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y8++
y14++
y8
y12++
b7
y14++−H2O
y6−H2O
y5++−H2O
y2−H2O
b3
y9
y10
b10−H2O
b10
b11
y18++
y17++
y15++−H2O

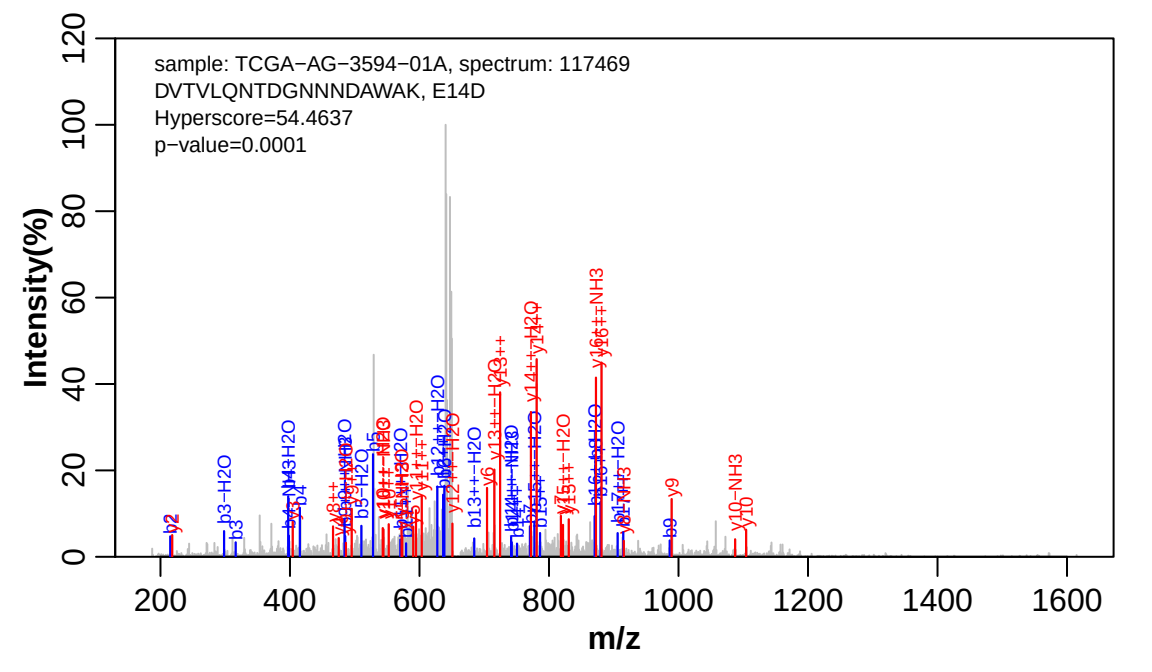

sample: TCGA−AG−3594−01A, spectrum: 18651
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=22.7354
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
y6
b6
b6−NH3
y7
y8
b8
y9
b9
y11
b10
b11−H2O
y12
b12
b13
y12−NH3
y12−H2O

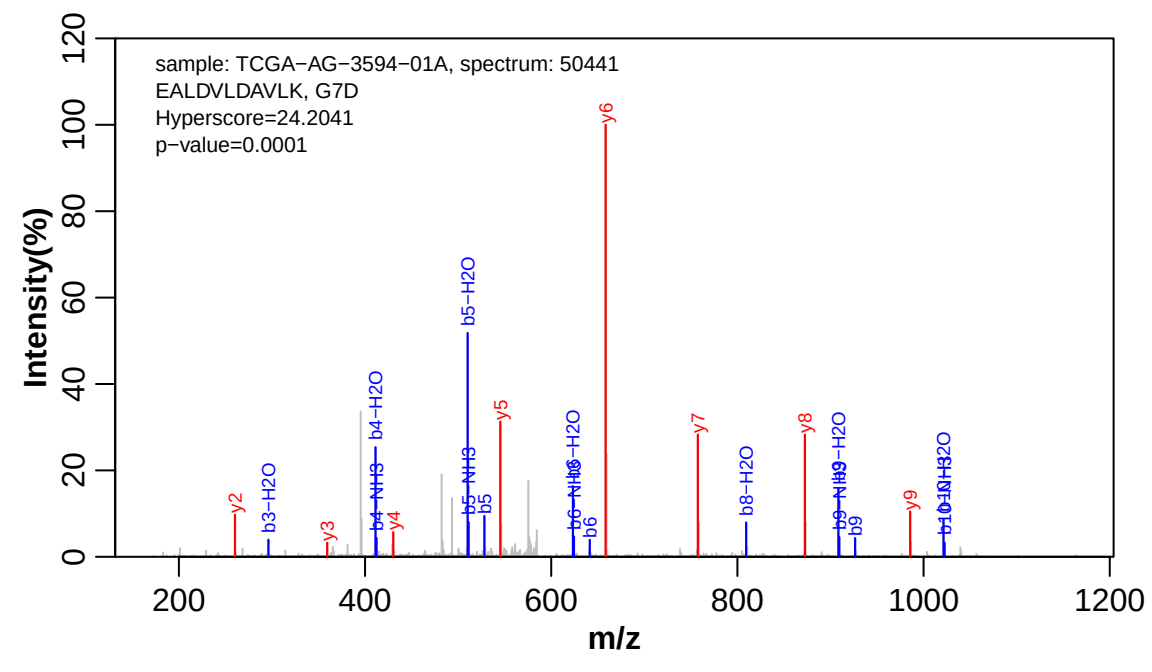

sample: TCGA−AG−3594−01A, spectrum: 137148
DGYGFLNR, N1D
Hyperscore=26.8419
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
y3
b4
b5−H2O
b5
y4
y5
b6−H2O
b6
y6

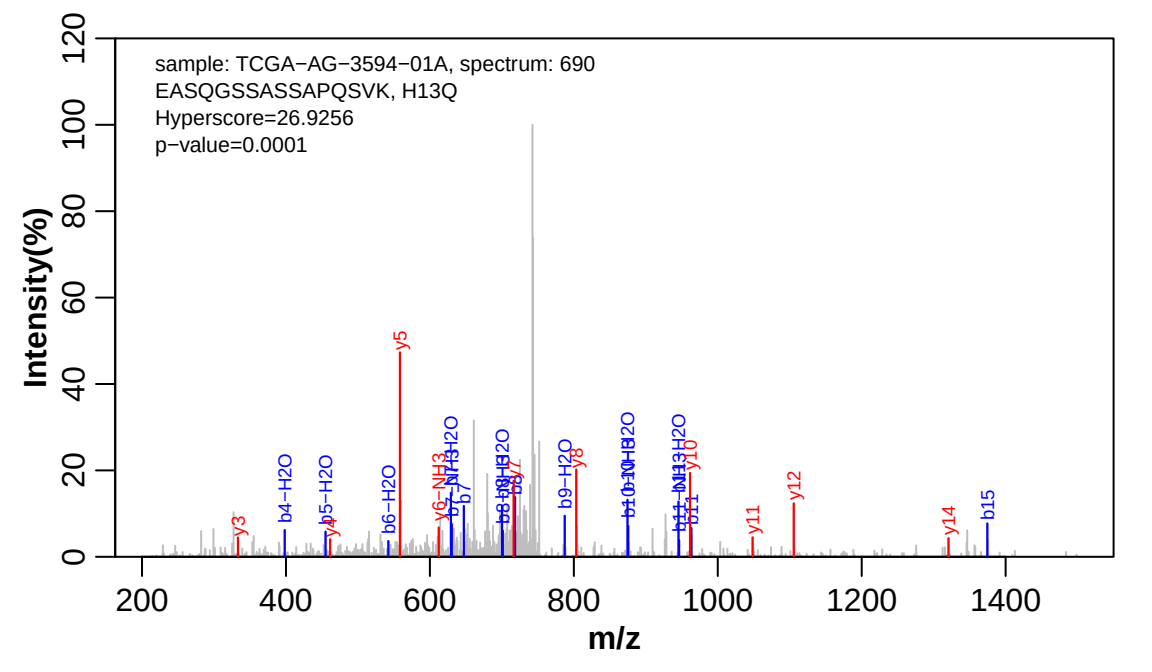

sample: TCGA−AG−3594−01A, spectrum: 39785
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=67.8248
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
b5
y4
b6
b7−NH3
y5
b8
y6
b9
y8
y7
b10
y9
b12
y10
y11
y12
b14
y13
b15
b16
b17

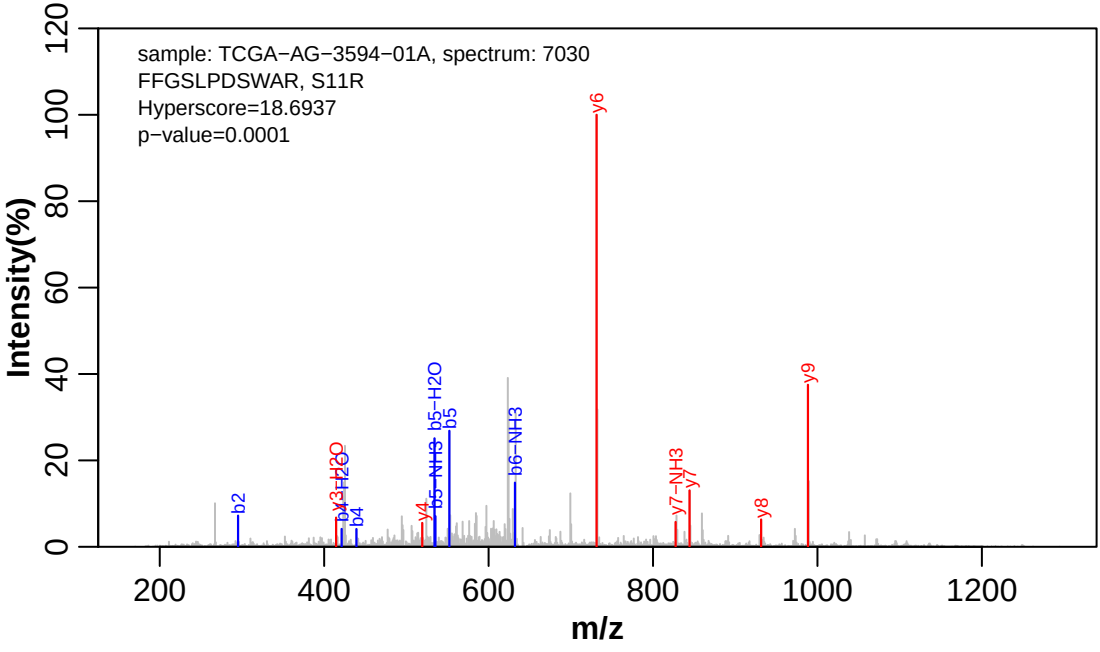

sample: TCGA−AG−3594−01A, spectrum: 34488
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=81.4728
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

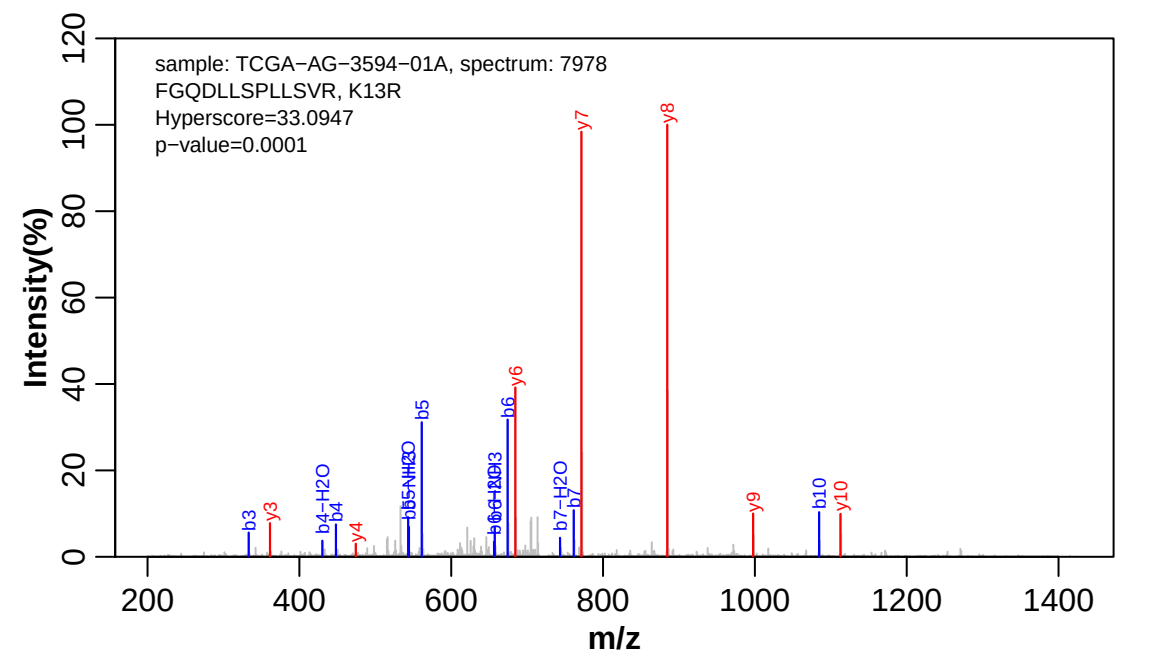

sample: TCGA−AG−3594−01A, spectrum: 35586
DTEEEDFHVDQATTVK, V12A
Hyperscore=48.0732
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y5
y6
y7
y8
y9
y10
y11
b5−H2O
b6−NH3
b6−H2O
b9−H2O
b9−NH3
b10
b10−H2O
b10−NH3
b11
b12
b14−NH3
b14−H2O
b15

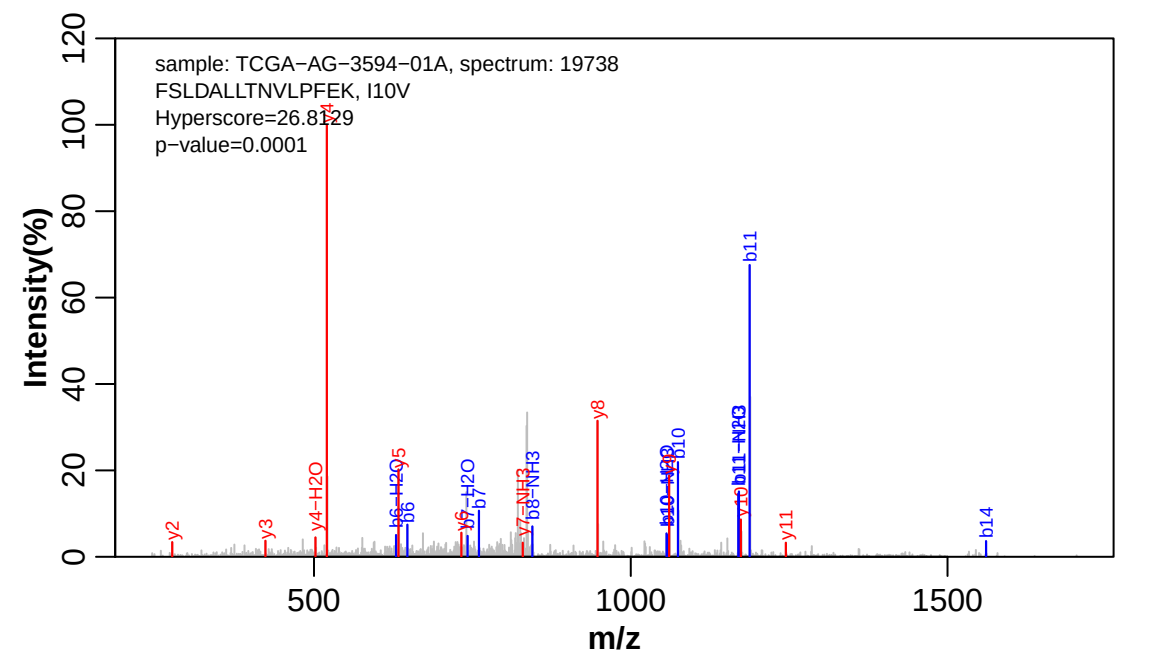

sample: TCGA−AG−3594−01A, spectrum: 117469
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=54.4637
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
b3
b4−NH3
b4−H2O
b4
b5−H2O
b5
b13++−H2O
y6
y13++
y13++−H2O
y14++−H2O
y14++
y15++−H2O
y15++
y16++−H2O
y16++NH3
b17−H2O
b9
y9
y10−NH3
y10

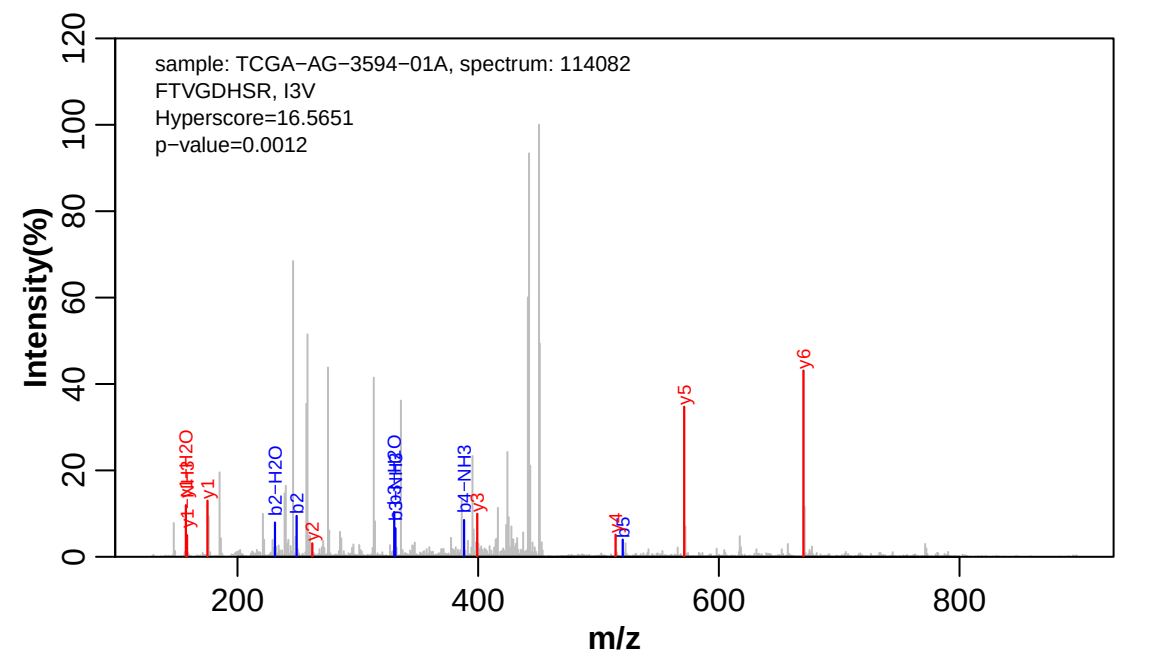

sample: TCGA−AG−3594−01A, spectrum: 50441
EALDVLDAVLK, G7D
Hyperscore=24.2041
p−value=0.0001
Intensity(%)
m/z
y6
y7
y8
y9
y5
y4
y3
y2
b5−H2O
b4−H2O
b3−H2O
b8−H2O
b9−H2O
b5−NH3
b4−NH3
b5
b6
b9
0
20
40
60
80
100
120
200
400
600
800
1000
1200

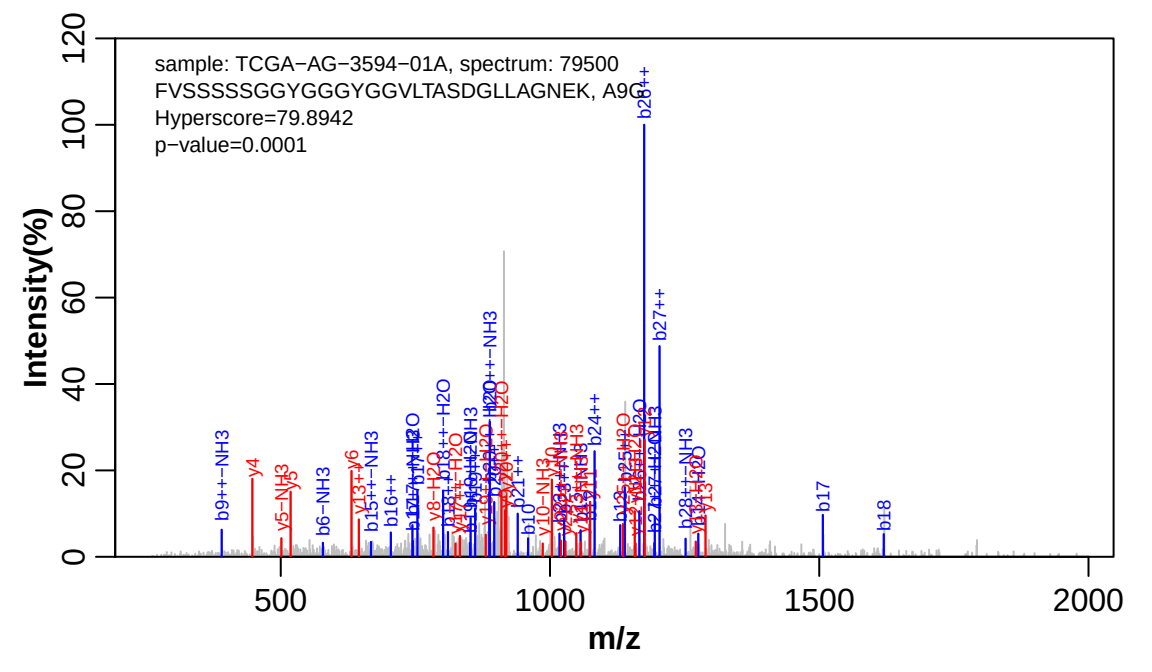

sample: TCGA−AG−3594−01A, spectrum: 690
EASQGSSASSAPQSVK, H13Q
Hyperscore=26.9256
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b4−H2O
y4
b5−H2O
b6−H2O
y5
y6−NH3
b7−NH3
b7−H2O
b7
b8−H2O
b8
b9−H2O
y8
b10−H2O
b10
b11−NH3
b11−H2O
b11
y10
y11
y12
y14
b15

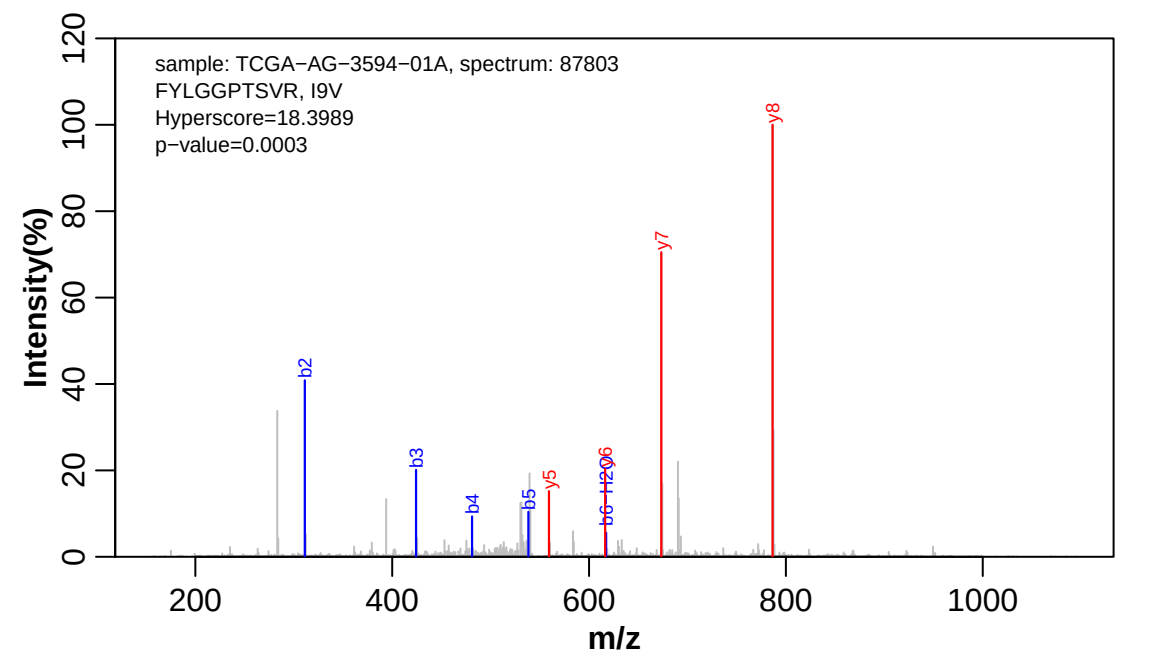

sample: TCGA−AG−3594−01A, spectrum: 7030
FFGSLPDSWAR, S11R
Hyperscore=18.6937
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y9
b5−H2O
b5
b6−NH3
y3−H2O
y3
b3−H2O
b4
y4
b5−NH3
b2
y7−NH3
y7
y8

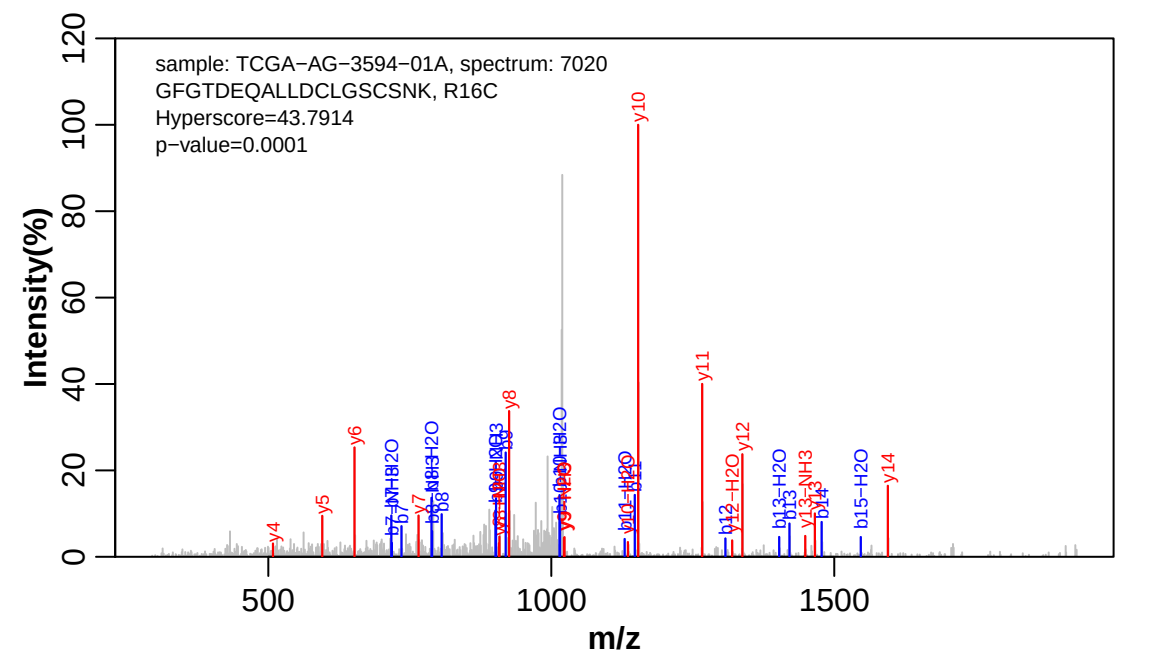

sample: TCGA−AG−3594−01A, spectrum: 7978
FGQDLLSPLLSVR, K13R
Hyperscore=33.0947
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5
y6
b6
b7−H2O
b7
y7
y8
y9
b10
y10

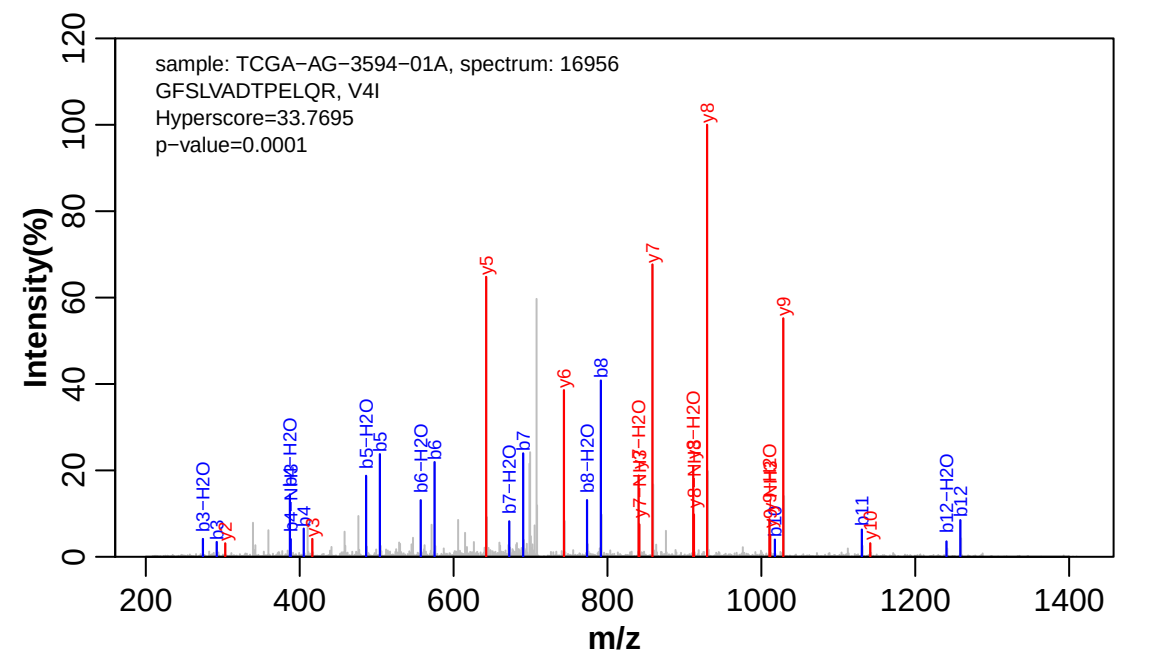

sample: TCGA−AG−3594−01A, spectrum: 19738
FSLDALLTNVLPFEK, I10V
Hyperscore=26.8129
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
y4−H2O
y4
b6−H2O
b6
y5
y6
y6−H2O
b7
y7−NH3
b8−NH3
y8
b10
b10−NH3
b10−H2O
y10
b11
b11−NH3
b11−H2O
y11
b14

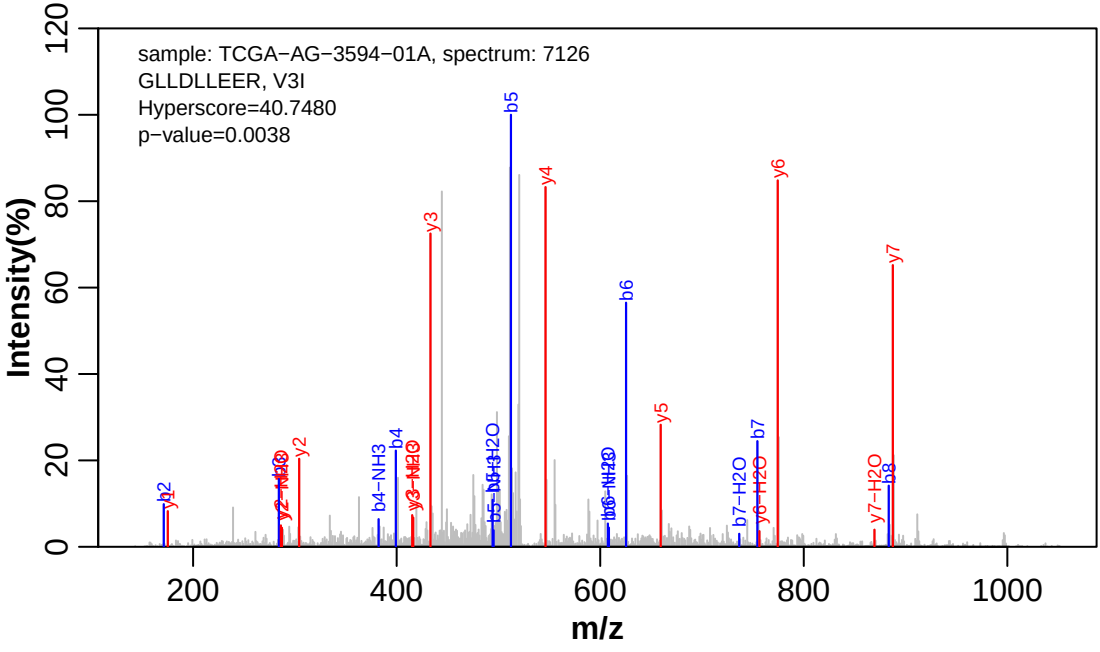

sample: TCGA−AG−3594−01A, spectrum: 114082
FTVGDHSR, I3V
Hyperscore=16.5651
p−value=0.0012
Intensity(%)
m/z
y1
b2−H2O
b2
y2
b4−NH3
y3
y5
y6
0
20
40
60
80
100
120
200
400
600
800

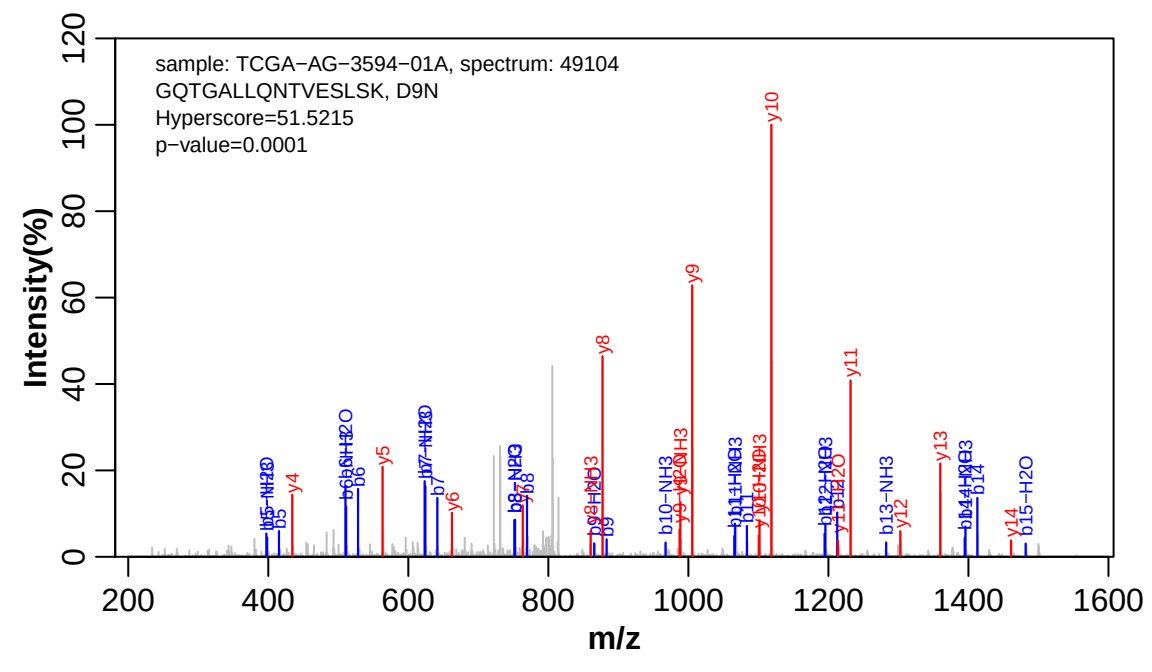

sample: TCGA−AG−3594−01A, spectrum: 79500
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=79.8942
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5−NH3
y8
b6−NH3
y13++y6
b15++−NH3
b16++
y8−H2O
b21++
b10
y10−NH3
b24++
b28++
b27++
b17
b18

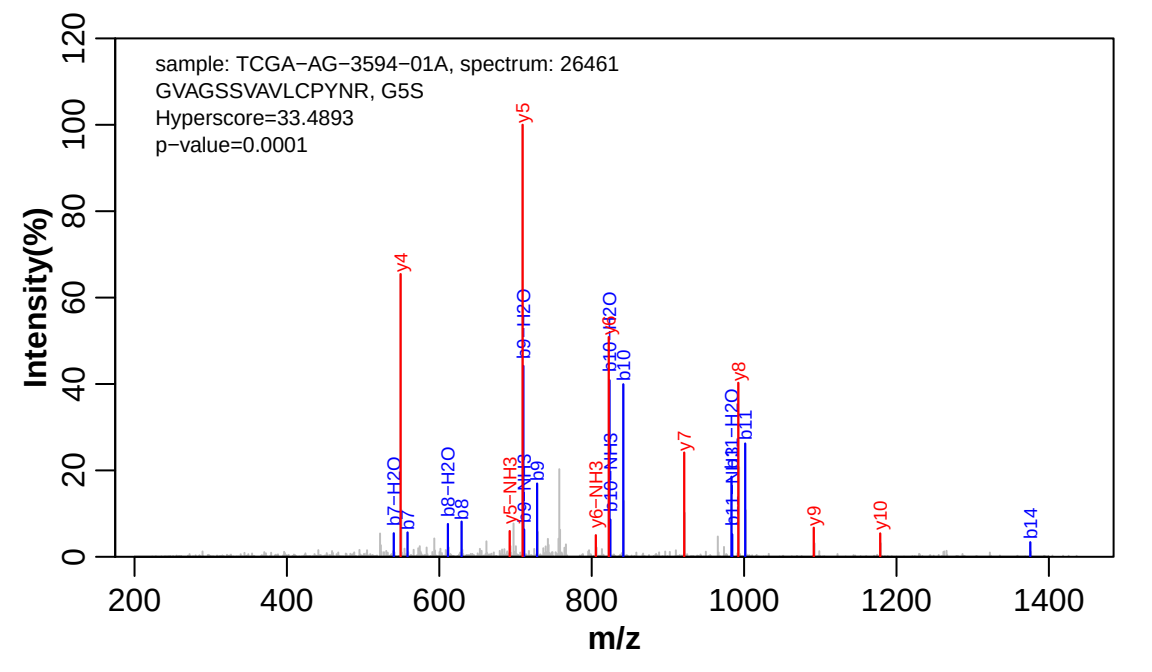

sample: TCGA−AG−3594−01A, spectrum: 87803
FYLGGPTSVR, I9V
Hyperscore=18.3989
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

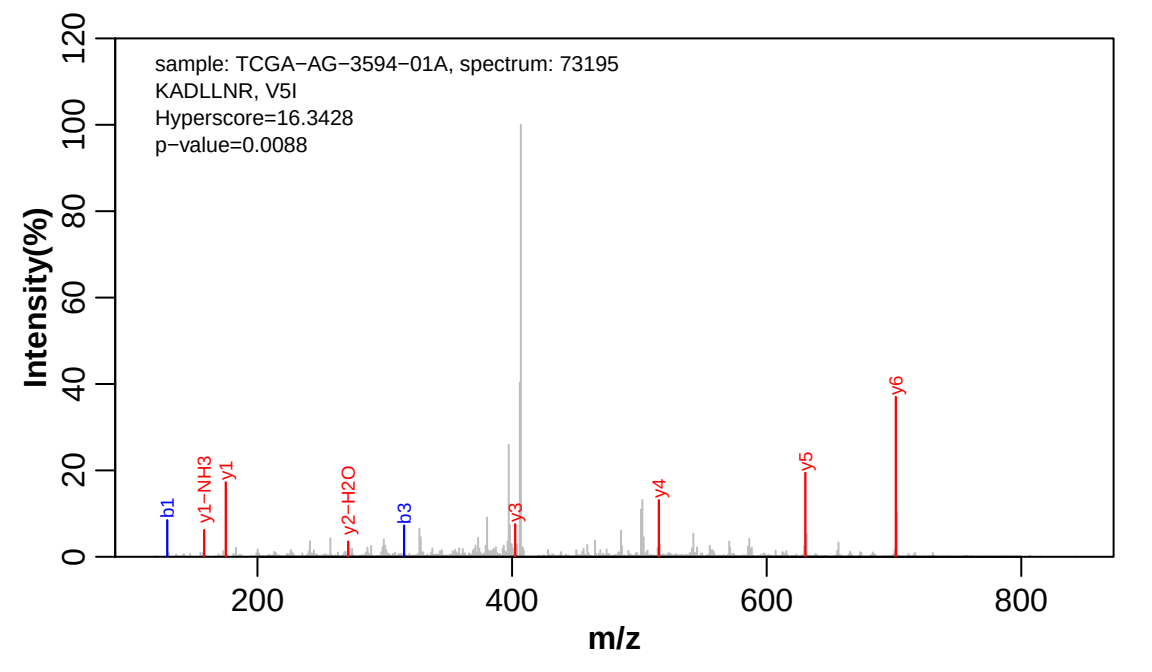

sample: TCGA−AG−3594−01A, spectrum: 7020
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=43.7914
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y10
y11
y8
y6
y5
y4
y12
y14
y7
b15−H2O
b13−H2O
b12−H2O
b11−H2O
b8
b7
b14
y13−NH3

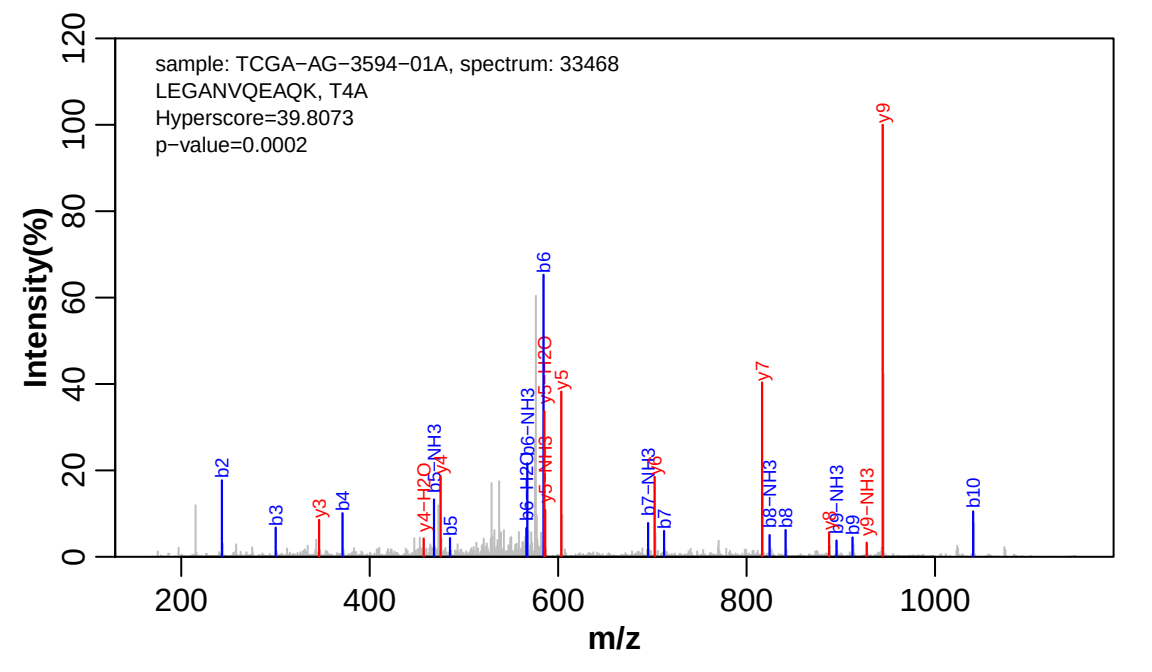

sample: TCGA−AG−3594−01A, spectrum: 16956
GFSLVADTPELQR, V4I
Hyperscore=33.7695
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y8
y5
y7
y9
y6
b8
b5−H2O
b5
b6−H2O
b6
b7−H2O
b7
b8−H2O
y7−NH3−H2O
y8−NH3−H2O
y8−H2O
b3−H2O
b3
y2
b4−NH3−H2O
b4
y3
y10
b11
b12−H2O
b12

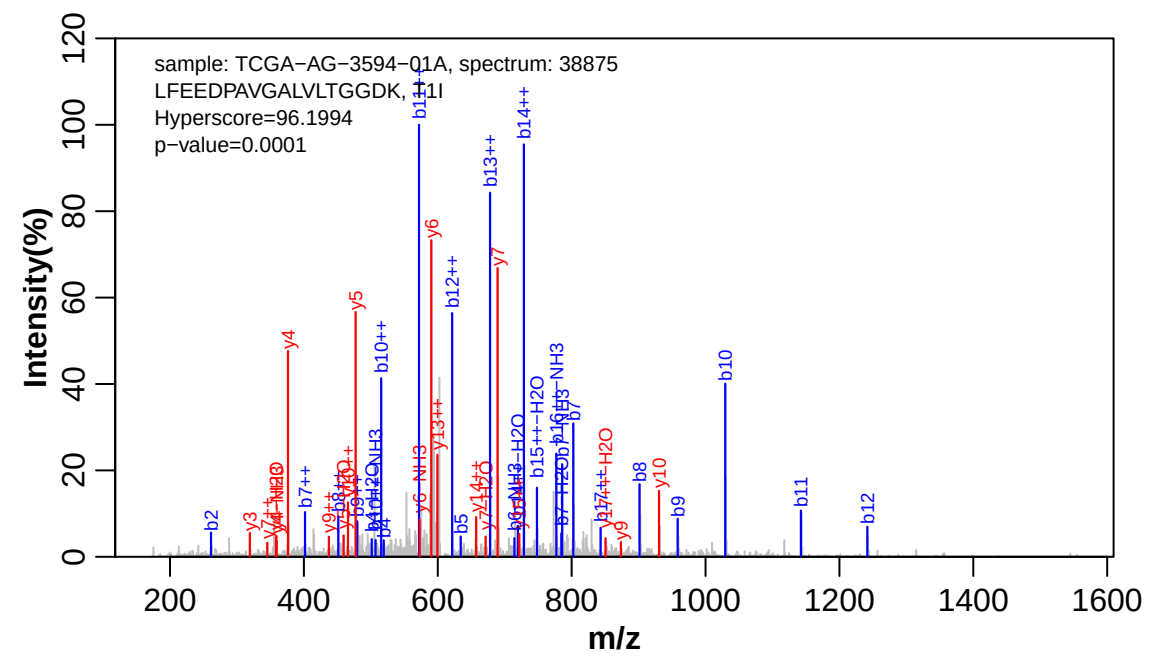

sample: TCGA−AG−3594−01A, spectrum: 7126
GLLDLLEER, V3I
Hyperscore=40.7480
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b5
y4
y6
y3
y7
b6
y5
b7
b4
y2
b2
y1
b4−NH3
b5−H2O
b7−H2O
y6−H2O
y7−H2O
b8

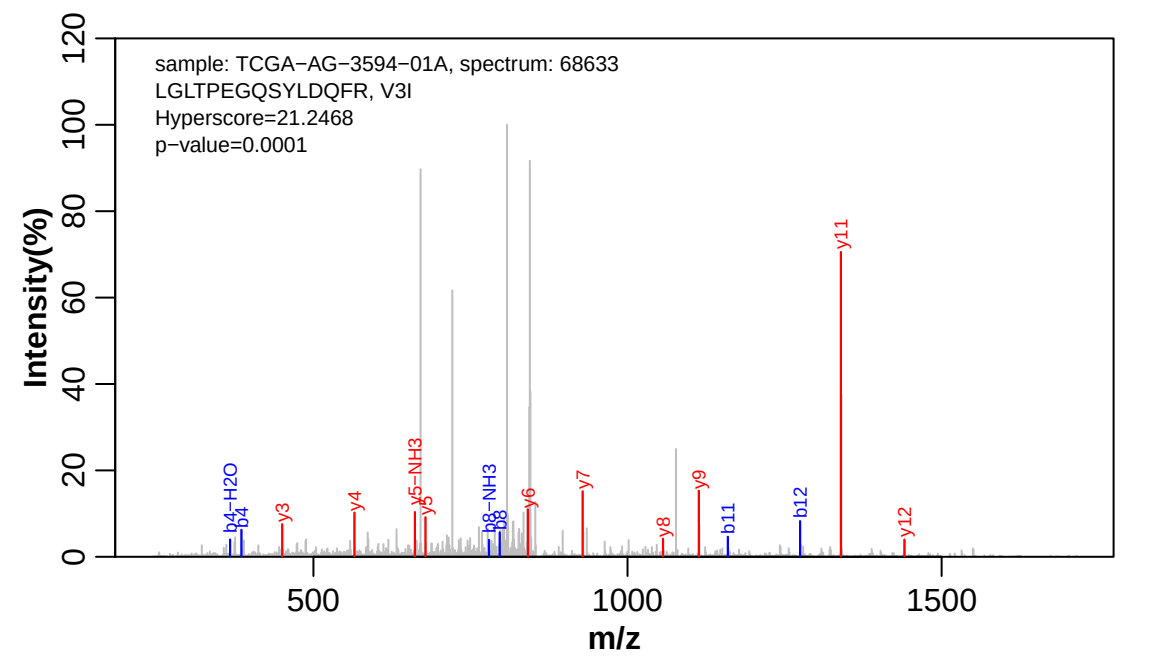

sample: TCGA−AG−3594−01A, spectrum: 49104
GQTGALLQNTVESLSK, D9N
Hyperscore=51.5215
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y5
y4
y6
y12
y14
b10−NH3
b13−NH3
b15−H2O

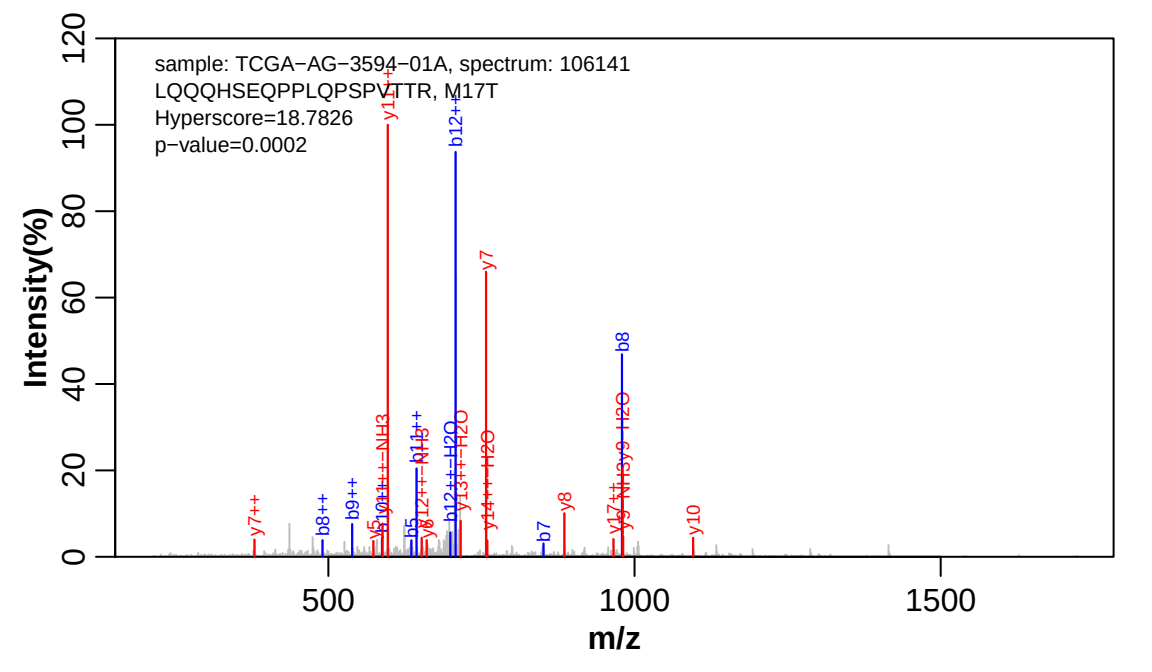

sample: TCGA−AG−3594−01A, spectrum: 26461
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.4893
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y4
b9−H2O
b10−H2O
y6−H2O
b10
y8
b11−H2O
b11
b7−H2O
b7
b8−H2O
b8
y5−NH3
b9
b9−NH3
y6−NH3
b10−NH3
y7
b11−NH3
y9
y10
b14

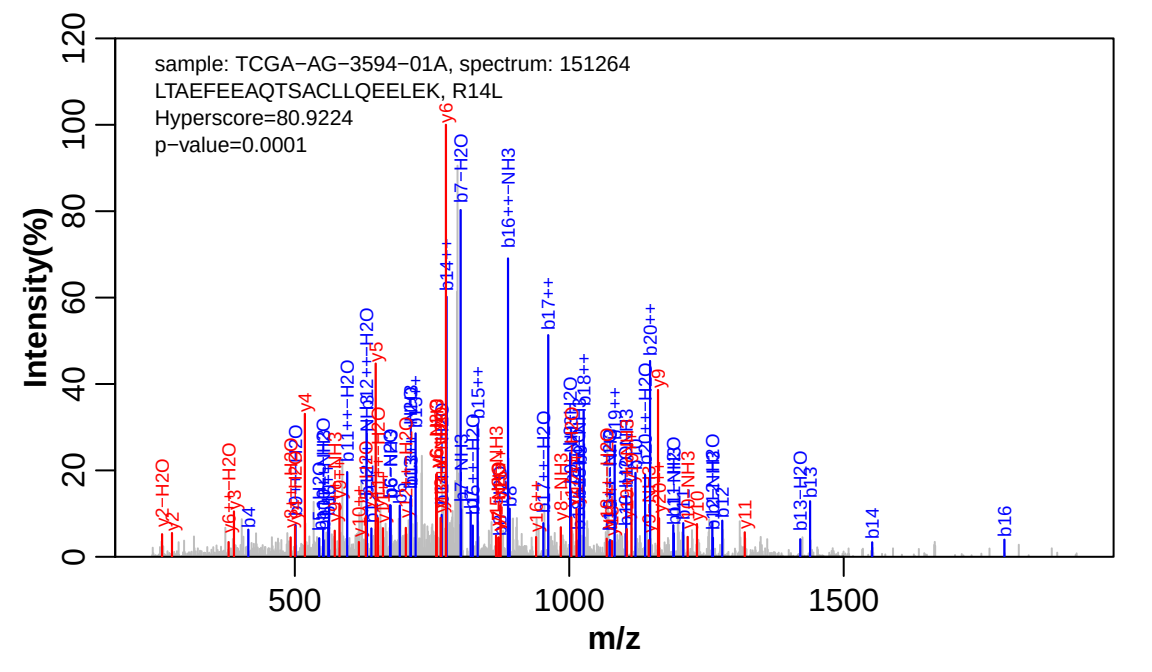

sample: TCGA−AG−3594−01A, spectrum: 73195
KADLLNR, V5I
Hyperscore=16.3428
p−value=0.0088
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b1
y1−NH3
y1
y2−H2O
b3
y3
y4
y5
y6

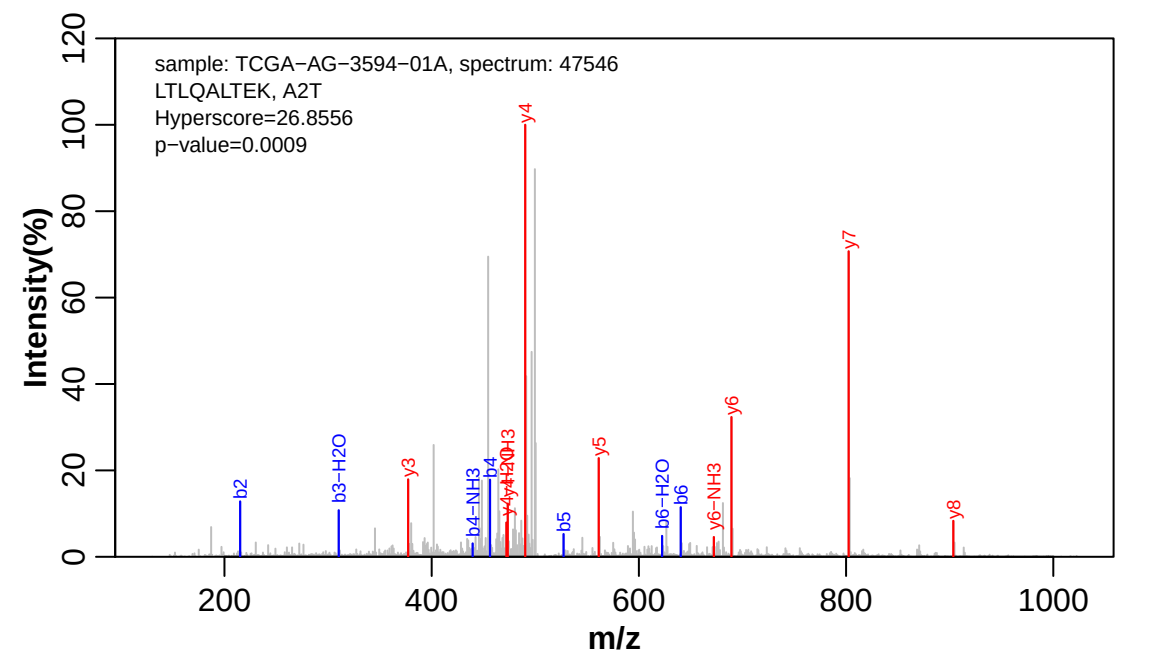

sample: TCGA−AG−3594−01A, spectrum: 33468
LEGANVQEAQK, T4A
Hyperscore=39.8073
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
y3
b4
y4−H2O
y4−NH3
y4
b5
b6
b6−H2O
b6−NH3
y5−H2O
y5−NH3
y5
b7−NH3
y8
b7
y7
b8−NH3
b8
y6−NH3
y6
b9
y9−NH3
y9
b10

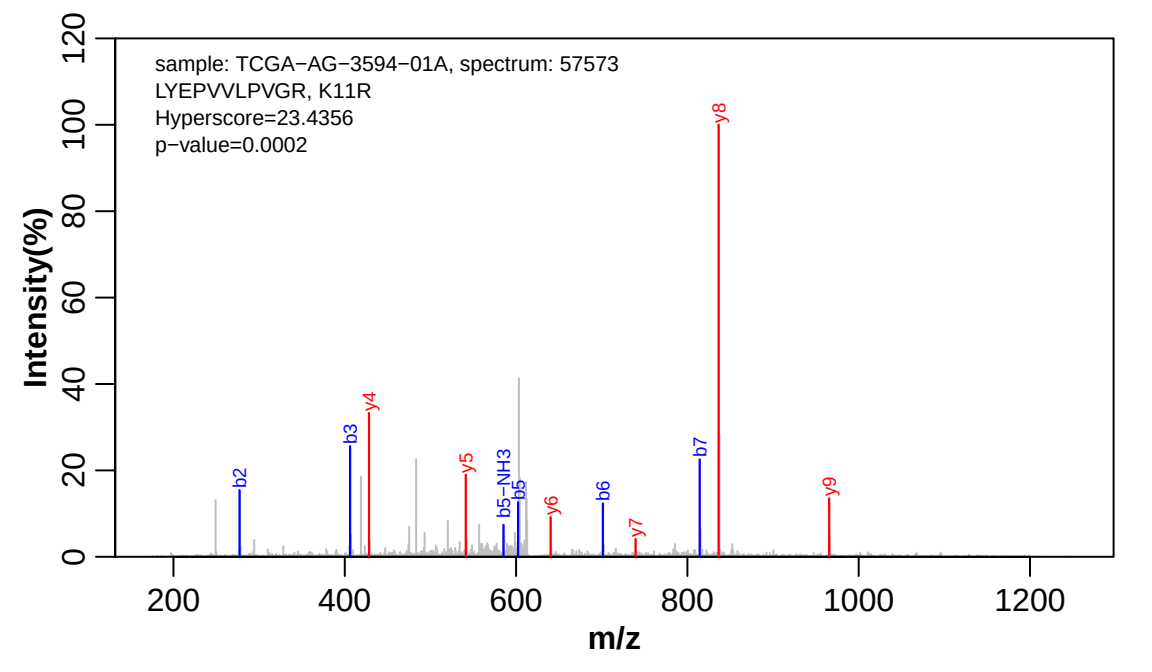

sample: TCGA−AG−3594−01A, spectrum: 38875
LFEEDPAVGALVLTGGDK, +1I
Hyperscore=96.1994
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y4
b7++
y5
b10++
y6
y13++
b12++
b13++
y7
b14++
b10
b11
b12
b9
y10
b8
y9
b5
b7
b15++−H2O
b16++−NH3
b17++−H2O

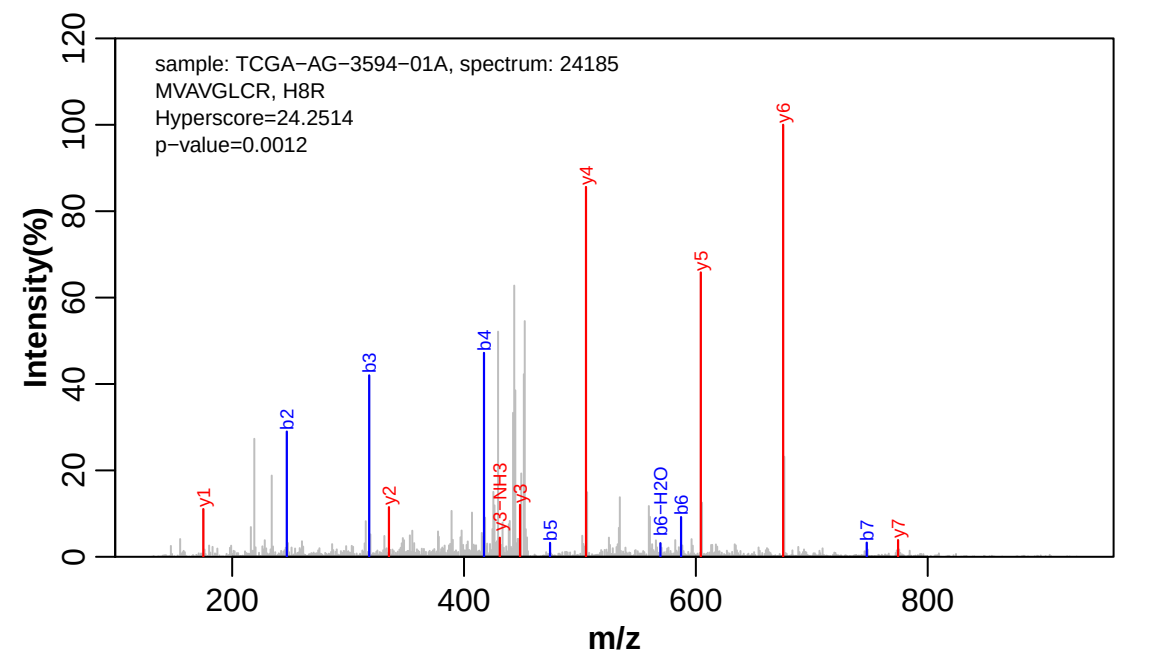

sample: TCGA−AG−3594−01A, spectrum: 68633
LGLTPEGQSYLDQFR, V3I
Hyperscore=21.2468
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
b4
y3
y4
y5−NH3
y5
b8−NH3
b8
y6
y7
y8
y9
b11
b12
y11
y12

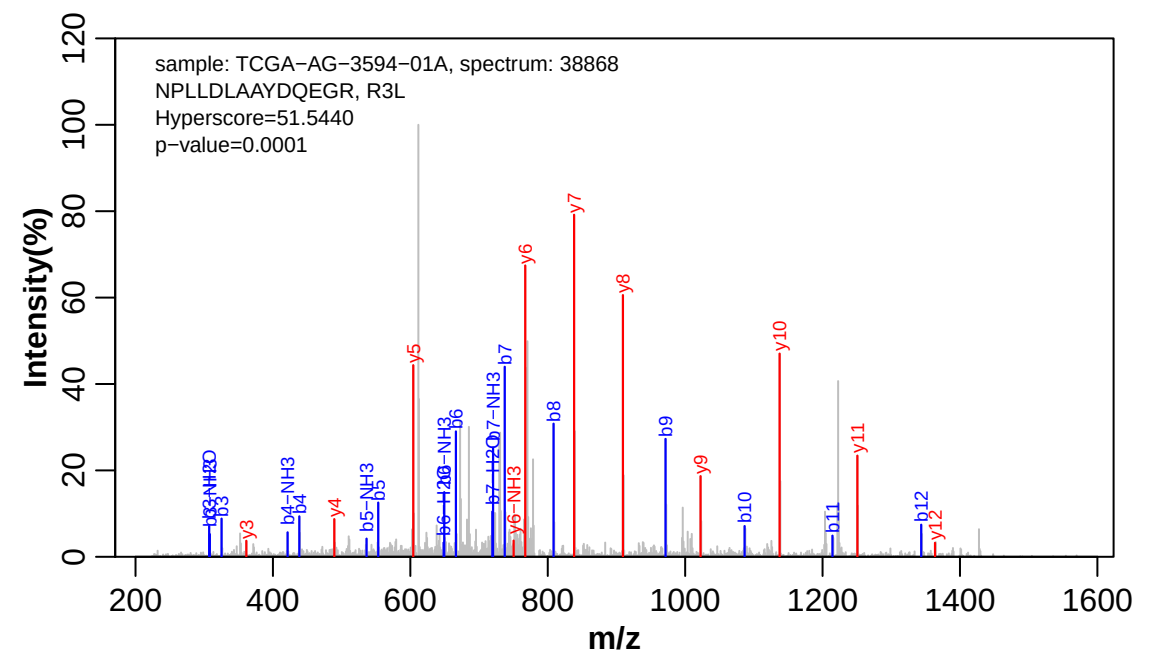

sample: TCGA−AG−3594−01A, spectrum: 106141
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=18.7826
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
b12++
y7
b8
y7++
b8++
b9++
y5
b10++−NH3
b5
y8
b11++
b12++−NH3
b12++−H2O
y13++−H2O
y14++−H2O
y8
b7
y7++
y9−NH3
y9−H2O
y10

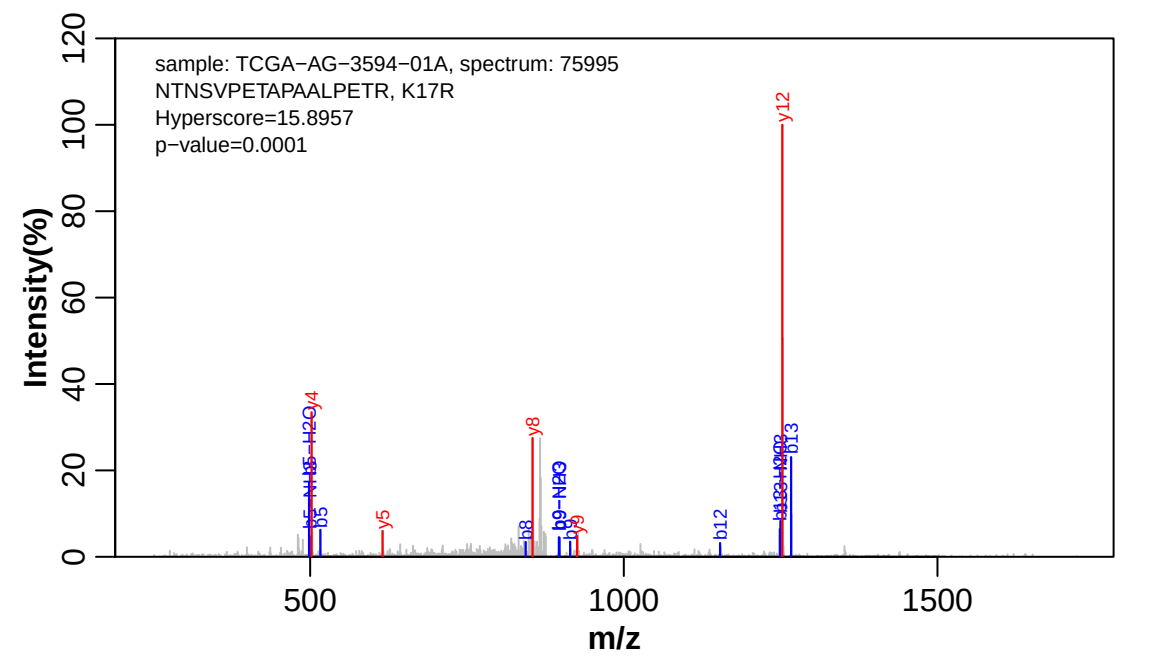

sample: TCGA−AG−3594−01A, spectrum: 151264
LTAEFEEAQTSACLLQEELEK, R14L
Hyperscore=80.9224
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y6
b7−H2O
b16++−NH3
b14++
b17++
b15++
b20++
y9
y5
y2−H2O
y6−y3−H2O
b4
b13−H2O
b13
b14
b16
y11

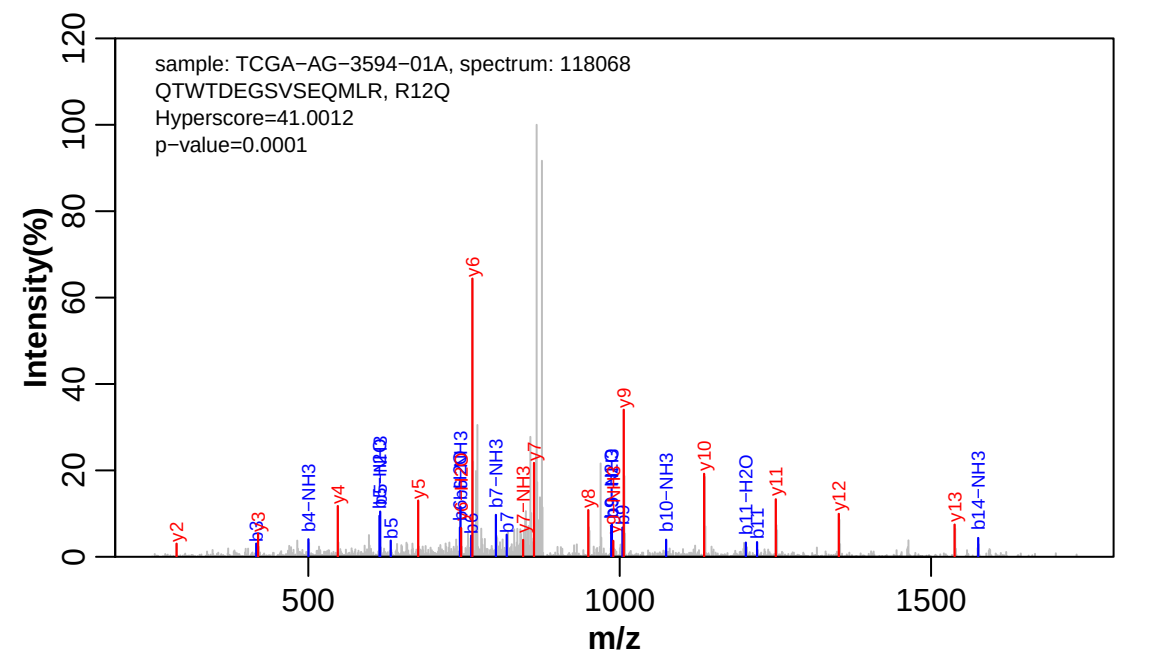

sample: TCGA−AG−3594−01A, spectrum: 47546
LTLQALTEK, A2T
Hyperscore=26.8556
p−value=0.0009
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
y3
b4−NH3
b4
y4−H2O
y4−NH3
y4
b5
y5
b6−H2O
b6
y6−NH3
y6
y7
y8

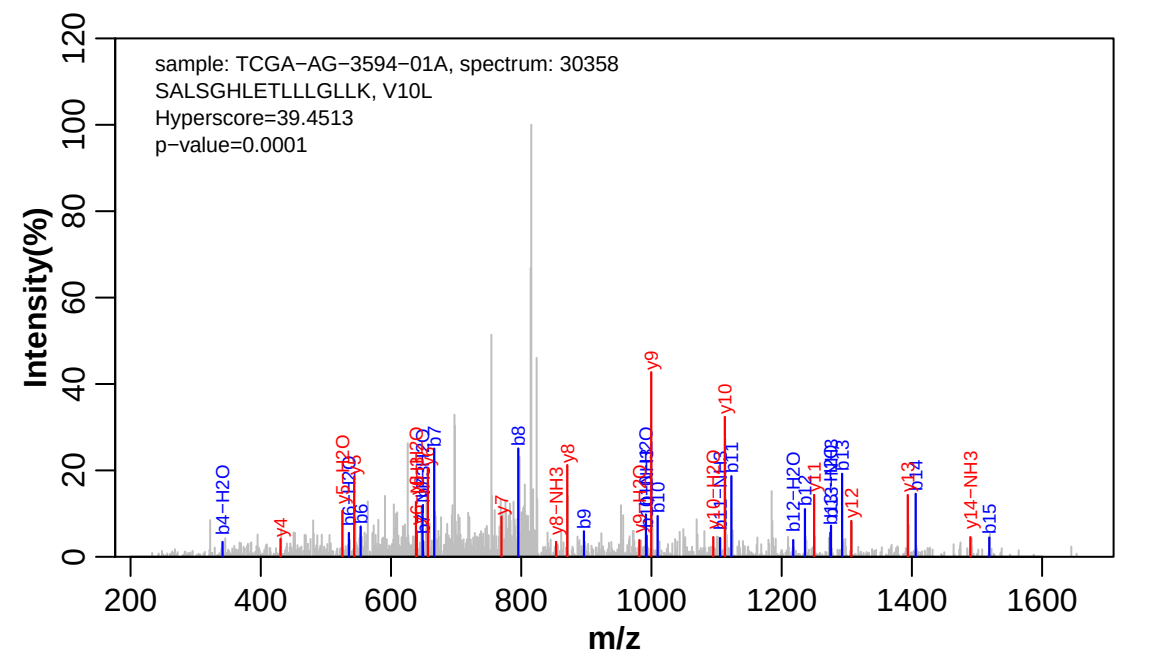

sample: TCGA−AG−3594−01A, spectrum: 57573
LYEPVVLPVGR, K11R
Hyperscore=23.4356
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y4
y5
b5−NH3
b5
y6
b6
y7
b7
y8
y9

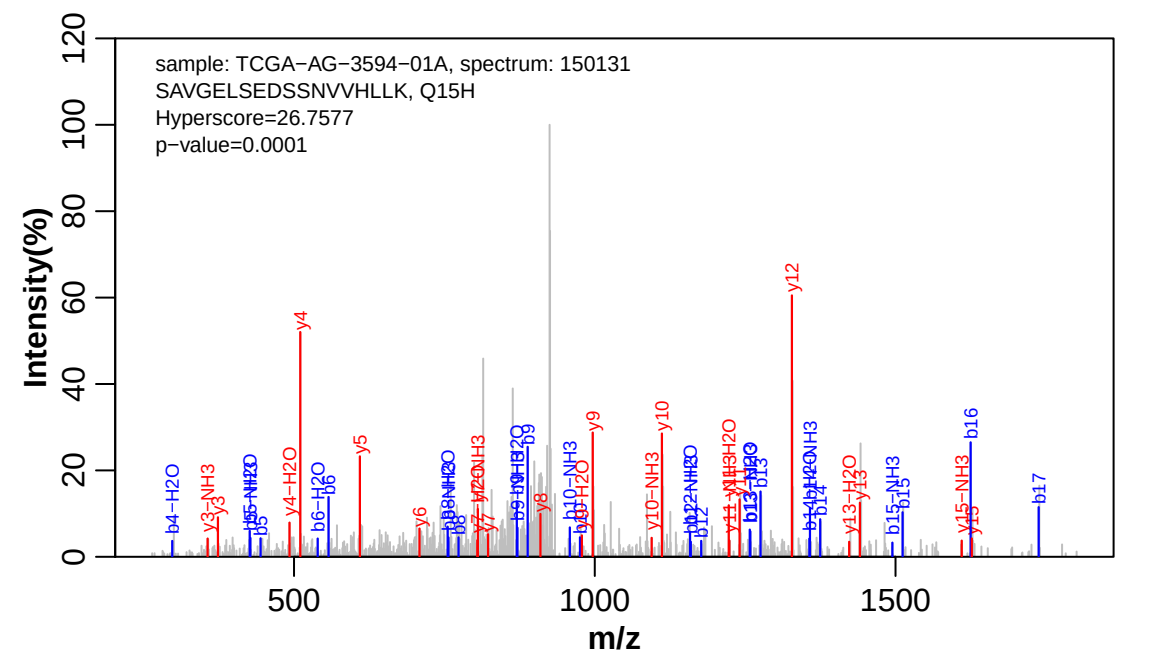

sample: TCGA−AG−3594−01A, spectrum: 24185
MVAVGLCR, H8R
Hyperscore=24.2514
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y2
b4
y3−NH3
y3
b5
y4
b6−H2O
b6
y5
y6
b7
y7

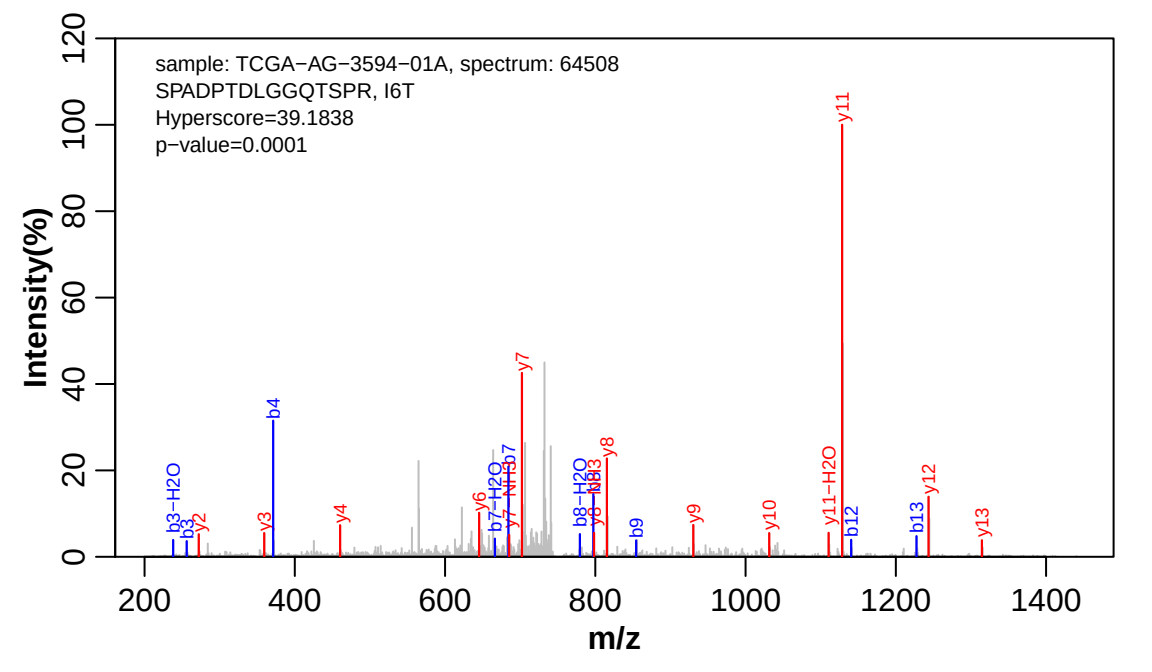

sample: TCGA−AG−3594−01A, spectrum: 38868
NPLLDLAAYDQEGR, R3L
Hyperscore=51.5440
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
b3
b4−NH3
b4
y4
b5−NH3
b5
y5
b6
b7−NH3
b7
y6−NH3
y6
y7
b8
y8
b9
y9
b10
y10
b11
y11
b12
y12

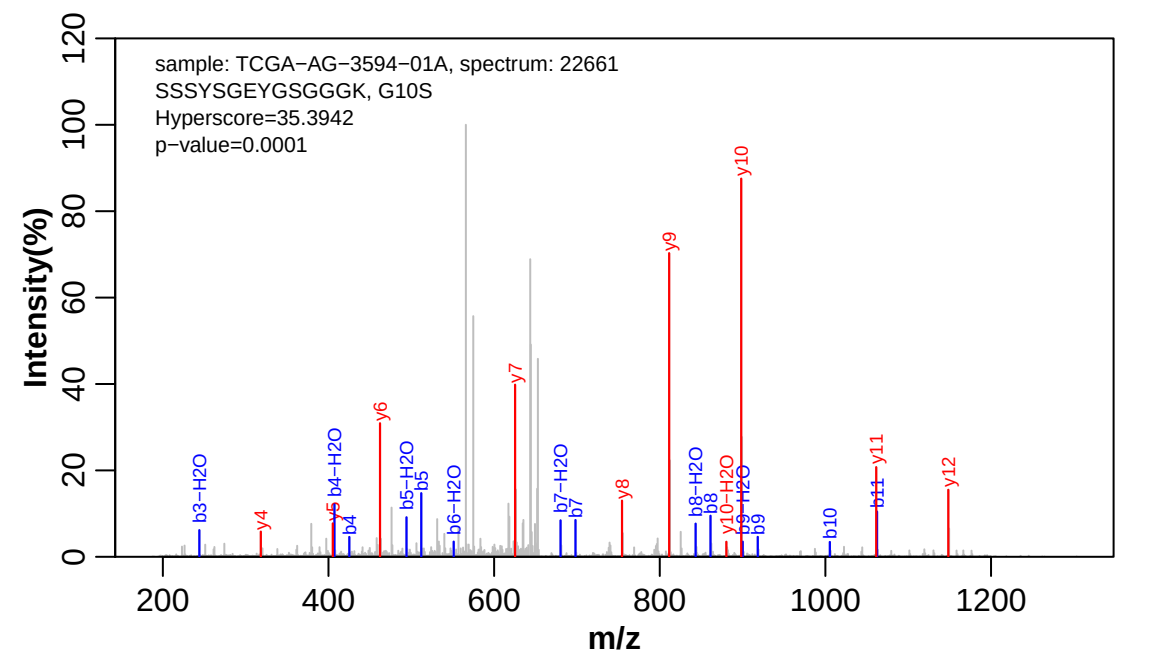

sample: TCGA−AG−3594−01A, spectrum: 75995
NTNSVPETAPAALPETR, K17R
Hyperscore=15.8957
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y8
y4
y5
b5
b8
b12
b13

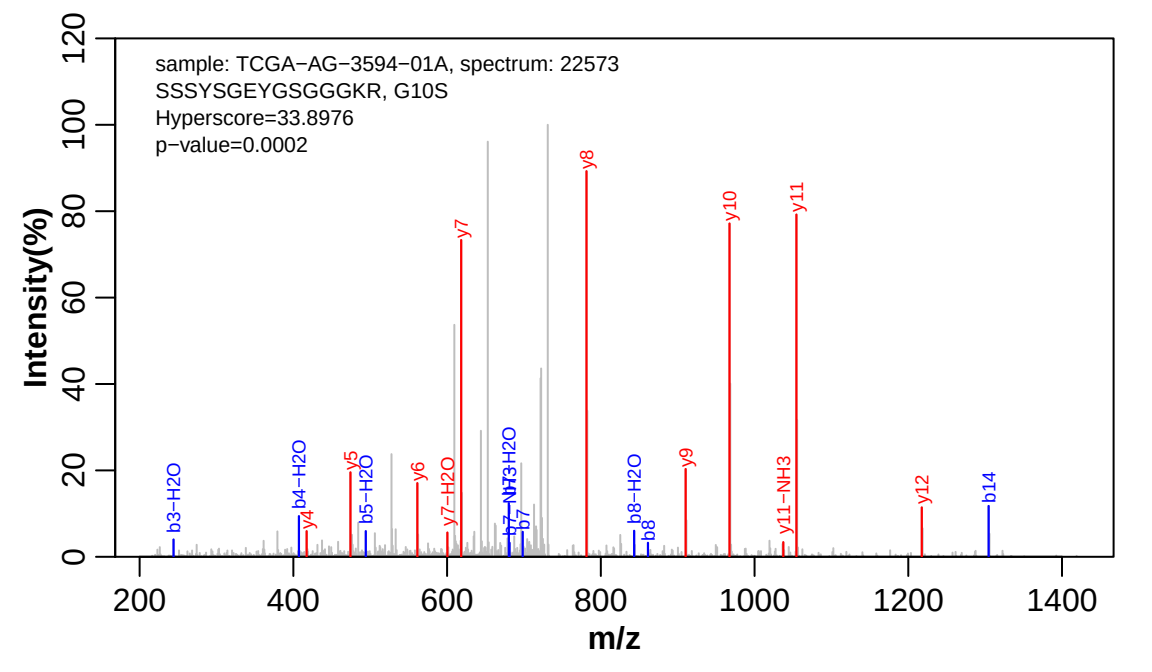

sample: TCGA−AG−3594−01A, spectrum: 118068
QTWTDEGSVSEQMLR, R12Q
Hyperscore=41.0012
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b3
b4−NH3
y4
b5
y5
y6
b7−NH3
y7−NH3
y7
y8
y9
b10−NH3
y10
b11−H2O
y11
y12
y13
b14−NH3

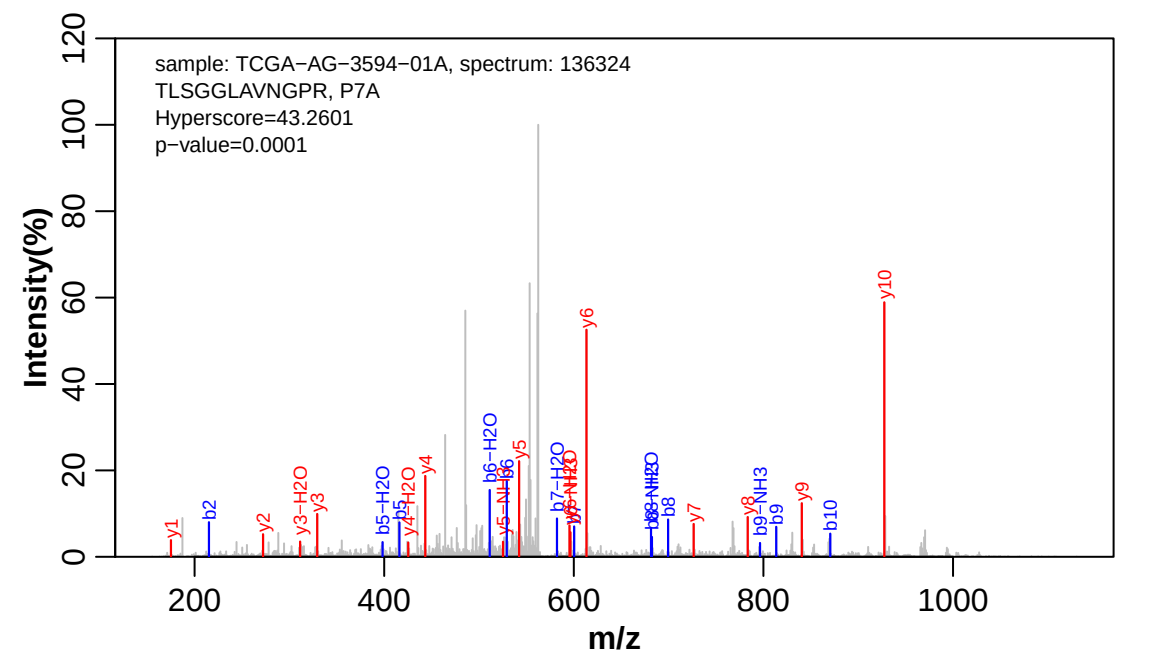

sample: TCGA−AG−3594−01A, spectrum: 30358
SALSGHLETLLLGLLK, V10L
Hyperscore=39.4513
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4−H2O
y4
b6
y8
b8
y8−NH3
y7
b9
y9
b10
y10
b11
y10−NH3
b12−H2O
b12
y11
y12
y13
b14
y14−NH3
b15

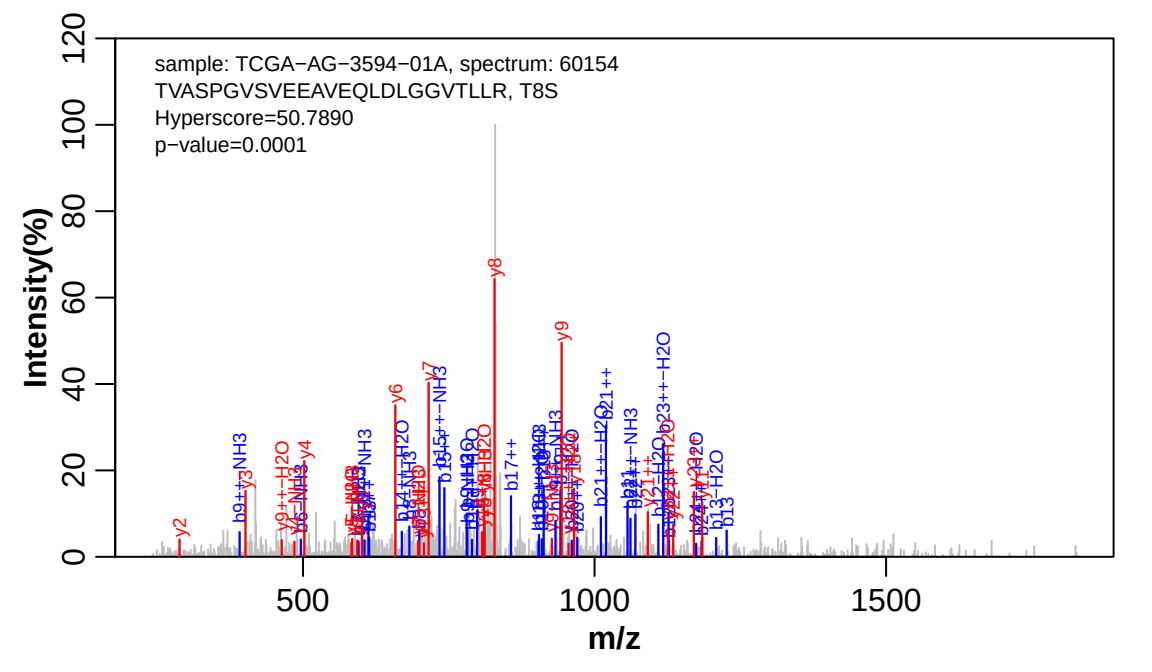

sample: TCGA−AG−3594−01A, spectrum: 150131
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=26.7577
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4−H2O
y3−NH3
y3
y4
y4−H2O
b6−H2O
b6
y5
y6
y7
y8
y9
b10−NH3
y10
y10−NH3
y12
y13−H2O
y13
b15−NH3
b15
y15−NH3
y15
b16
b17

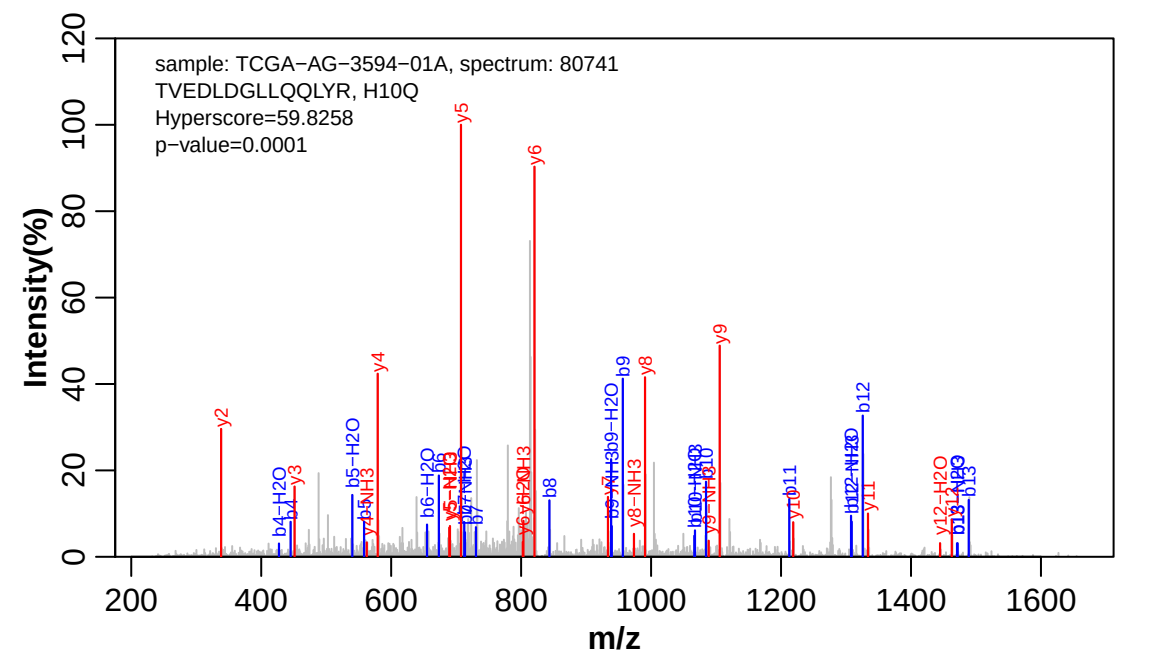

sample: TCGA−AG−3594−01A, spectrum: 64508
SPADPTDLGGQTSPR, I6T
Hyperscore=39.1838
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
y2
y3
b4
y4
y6
b7−H2O
y7−NH3
b7
y7
b8−H2O
y8−NH3
y8
b9
y9
y10
y11−H2O
b12
y11
b13
y12
y13

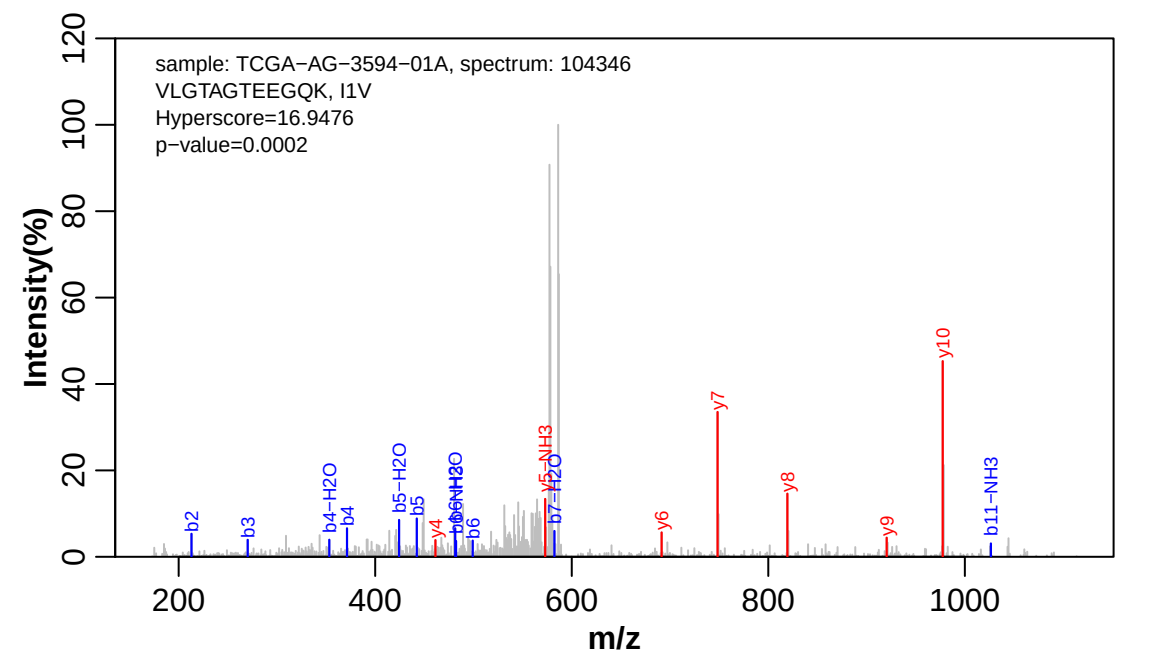

sample: TCGA−AG−3594−01A, spectrum: 22661
SSSYSGEYGSGGGK, G10S
Hyperscore=35.3942
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
y5
b4−H2O
b4
y6
b5−H2O
b5
b6−H2O
y7
b7−H2O
b7
y8
y9
b8−H2O
b8
y10
y10−H2O
y6−H2O
b9
b10
b11
y11
y12

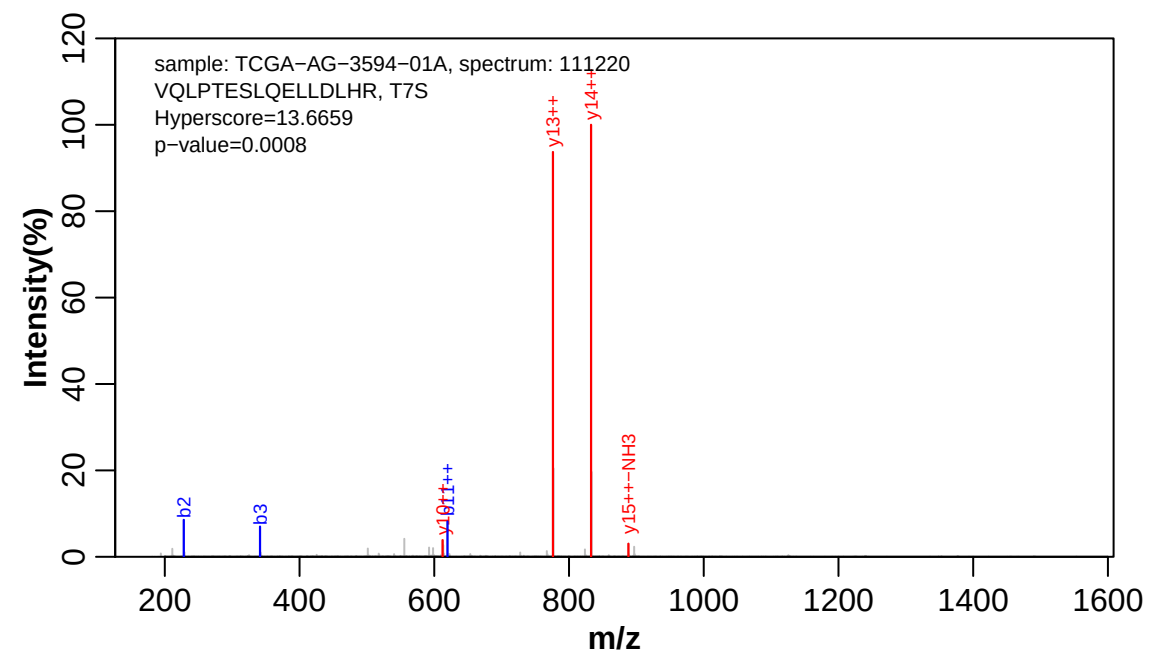

sample: TCGA−AG−3594−01A, spectrum: 22573
SSSYSGEYGSGGGKR, G10S
Hyperscore=33.8976
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b4−H2O
y4
y5
b5−H2O
y6
y7−H2O
y7
b7−NH3
b7−H2O
b7
y8
b8−H2O
b8
y9
y10
y11
y11−NH3
y12
b14

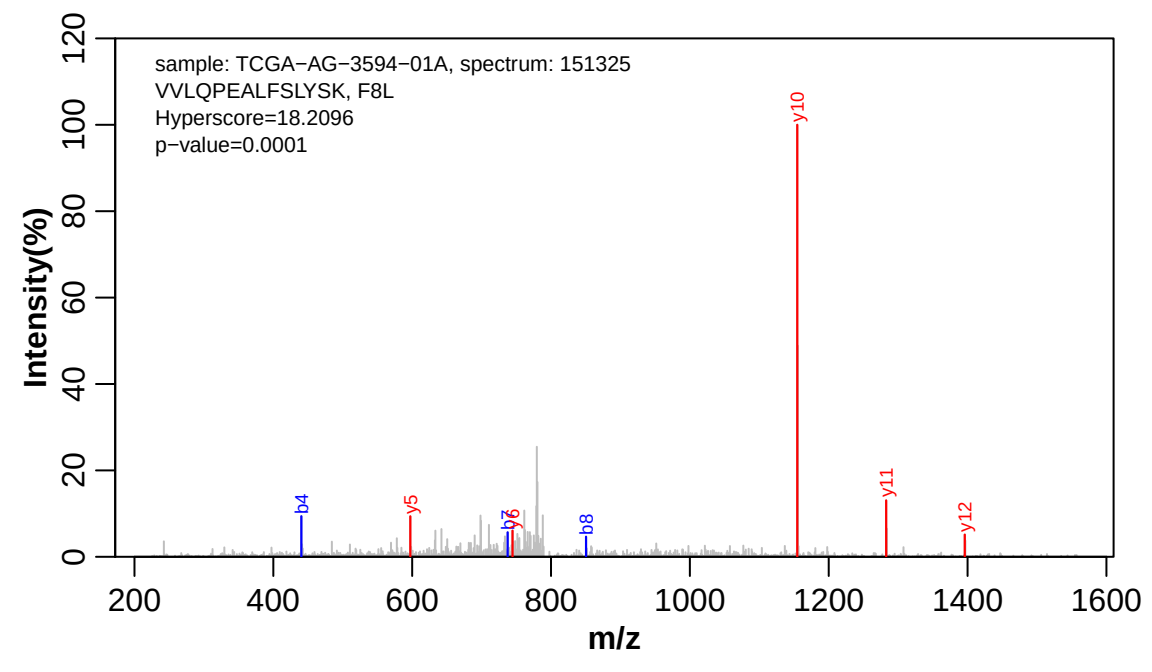

sample: TCGA−AG−3594−01A, spectrum: 136324
TLSGGLAVNGPR, P7A
Hyperscore=43.2601
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
y3−H2O
y3
b5−H2O
b5
y4−H2O
y4
b6−H2O
y5
y6
b7−H2O
b8
y7
y8
b9−NH3
b9
y9
b10
y10

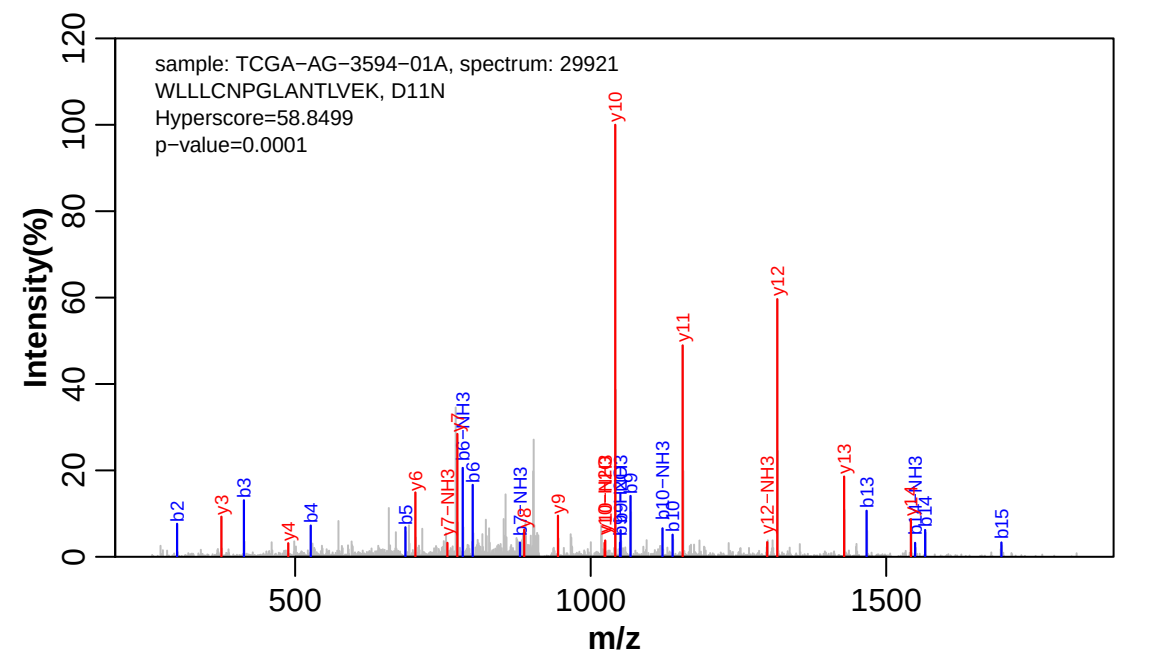

sample: TCGA−AG−3594−01A, spectrum: 60154
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=50.7890
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y8
y9
y7
y6
y2
y3
y4
b9++−NH3
b17++
b21++
b21++−H2O
b21++−NH3
b13−H2O
b13

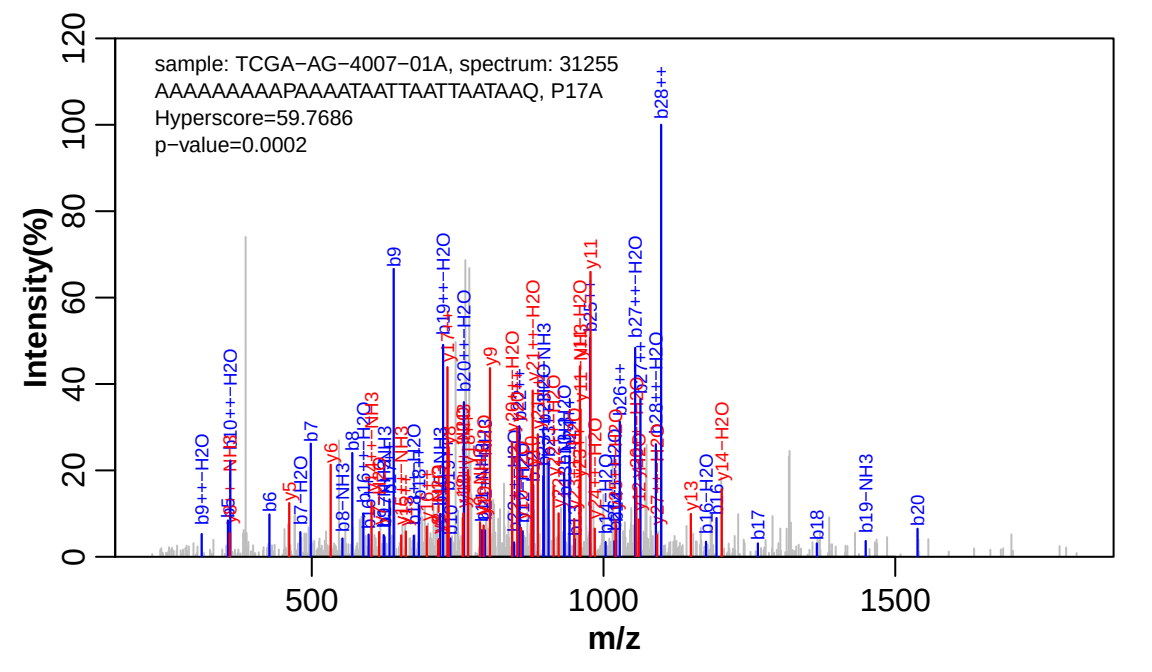

sample: TCGA−AG−3594−01A, spectrum: 80741
TVEDLDGLLQQLYR, H10Q
Hyperscore=59.8258
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b4−H2O
b4
y4
b5−H2O
y5−NH3
y5
b6−H2O
y6
y6−H2O
b8
y8−NH3
b9−H2O
b9
y8
y9
y9−NH3
y10
b11
b12
y11
y12−H2O
b13

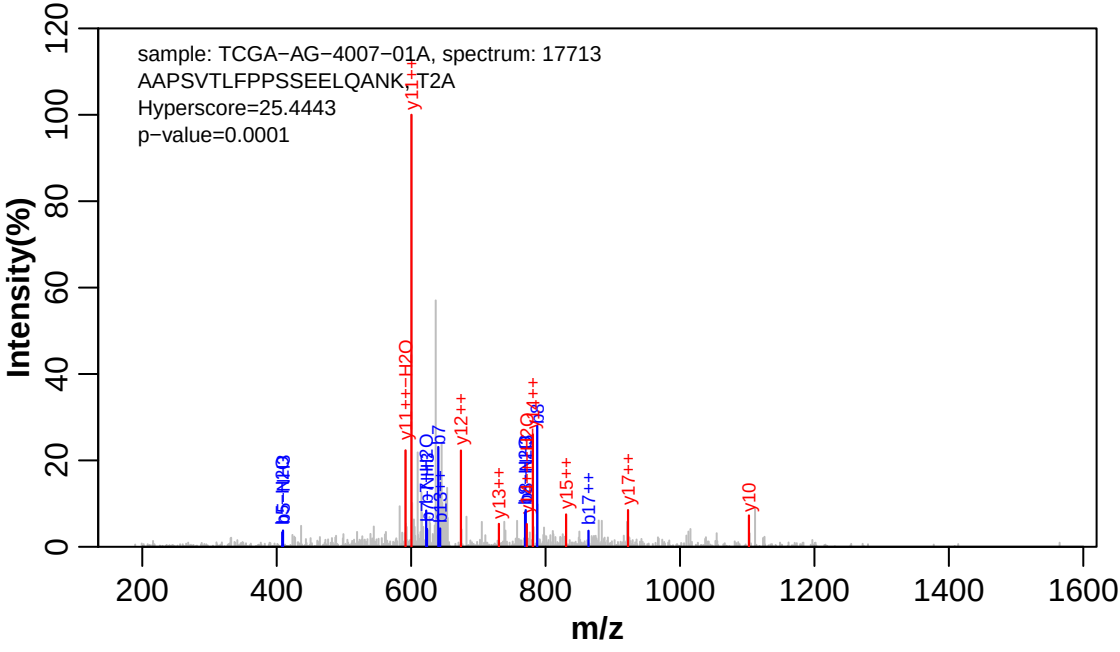

sample: TCGA−AG−3594−01A, spectrum: 104346
VLGTAGTEEGQK, I1V
Hyperscore=16.9476
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
b4−H2O
b4
b5−H2O
b5
y4
b6
y5−NH3
b7−H2O
y6
y7
y8
y9
y10
b11−NH3

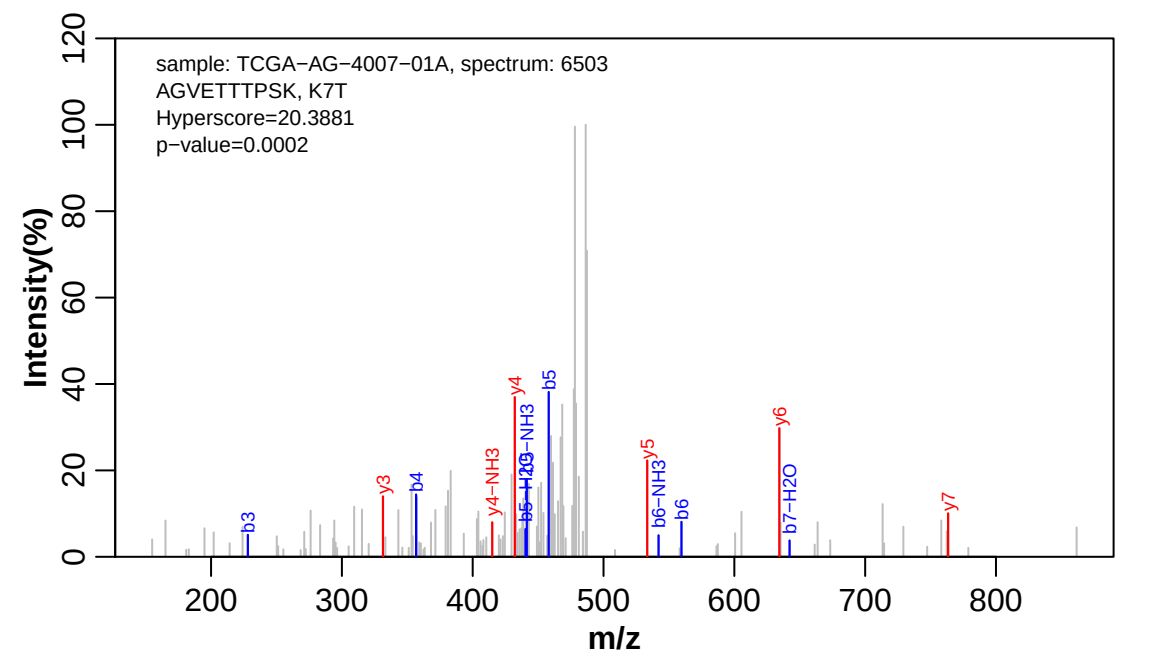

sample: TCGA−AG−3594−01A, spectrum: 111220
VQLPTESLQELLDLHR, T7S
Hyperscore=13.6659
p−value=0.0008
y13++
y14++
y15++−NH3
b2
b3
y10++
y11++
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

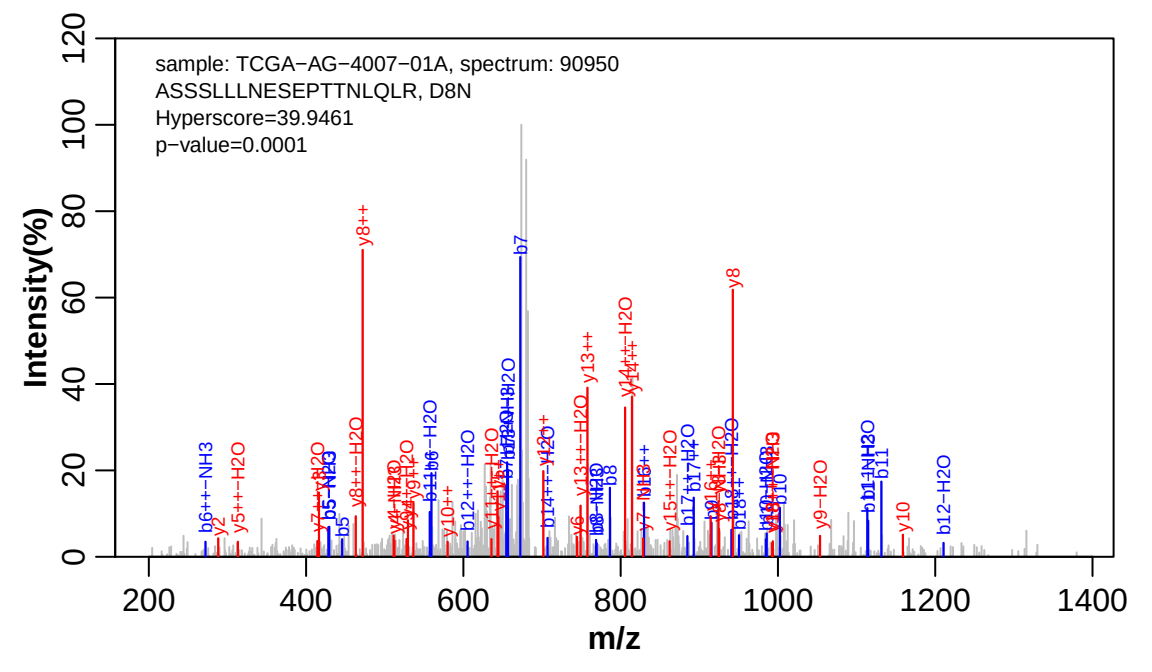

sample: TCGA−AG−3594−01A, spectrum: 151325
VVLQPEALFSLYSK, F8L
Hyperscore=18.2096
p−value=0.0001
Intensity(%)
m/z
b4
y5
b7
y6
b8
y10
y11
y12

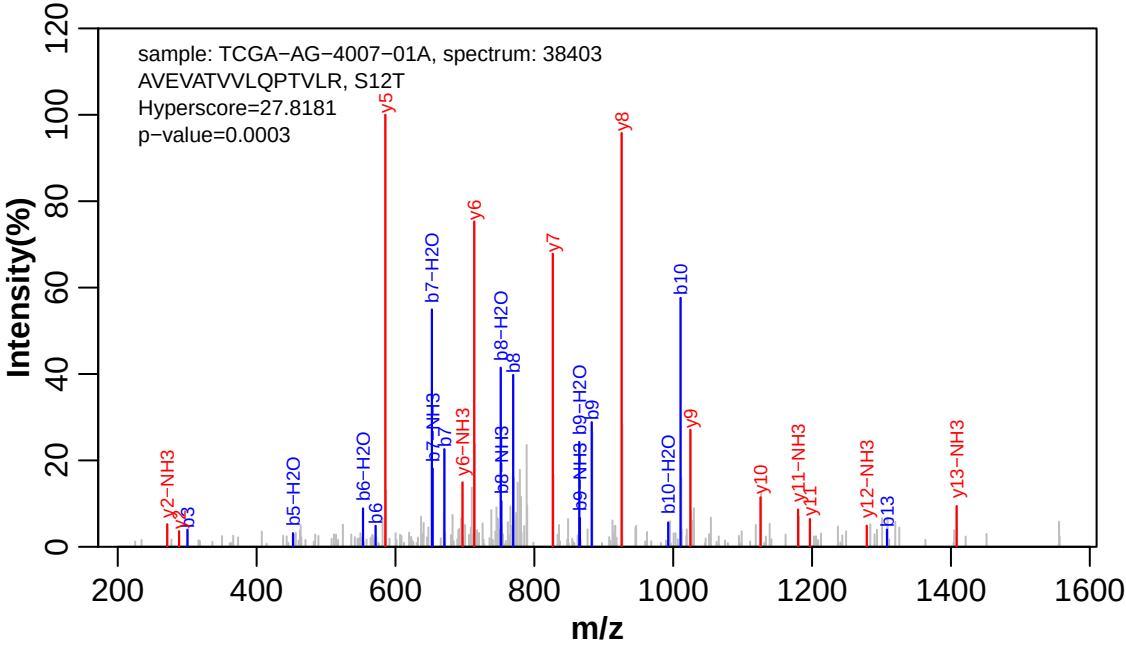

sample: TCGA−AG−3594−01A, spectrum: 29921
WLLLCNPGLANTLVEK, D11N
Hyperscore=58.8499
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3
y4
b4
b5
y6
y7−NH3
b6−NH3
b6
b7−NH3
y8
y9
y10
y10−NH3
b9
b10−NH3
b10
y11
y12
y12−NH3
y13
b13
b14
b15

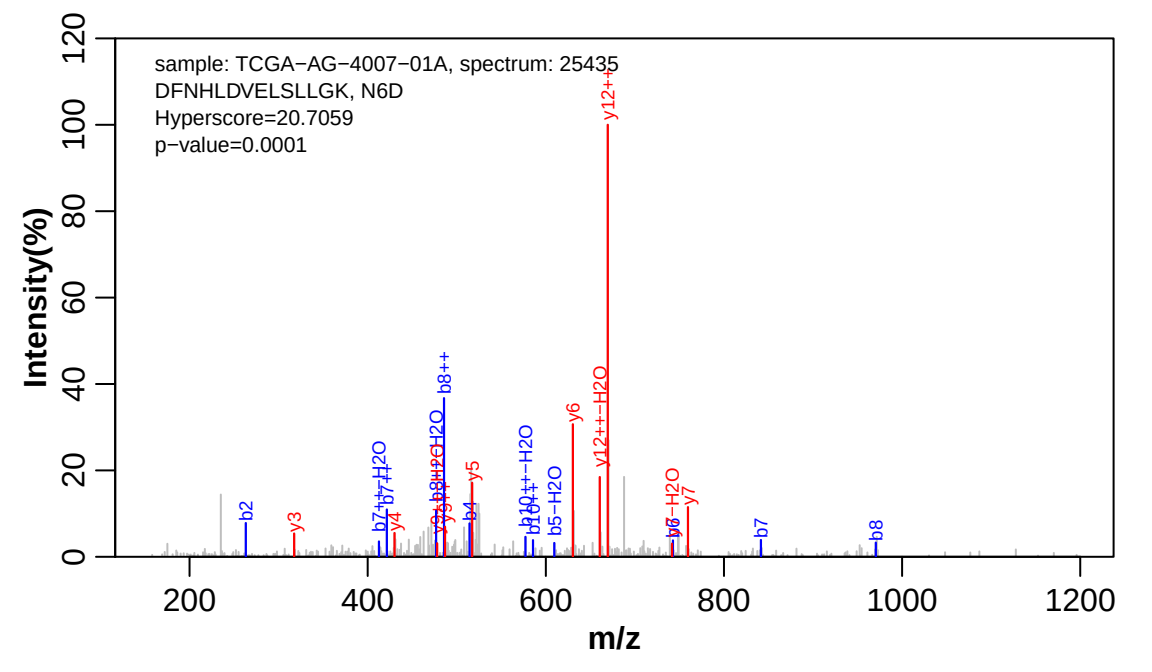

sample: TCGA−AG−4007−01A, spectrum: 31255
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=59.7686
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b9++−H2O
b10++−H2O
b9
b6
b7
y6
b8
y5
b8−NH3
b7−H2O
y4
b9−NH3
b10++−NH3
b10++−H2O
y19++−H2O
y1
b20++−H2O
y9
y11
b27++−H2O
b28++−H2O
y13
y14−H2O
b16−H2O
b17
b18
b19−NH3
b20

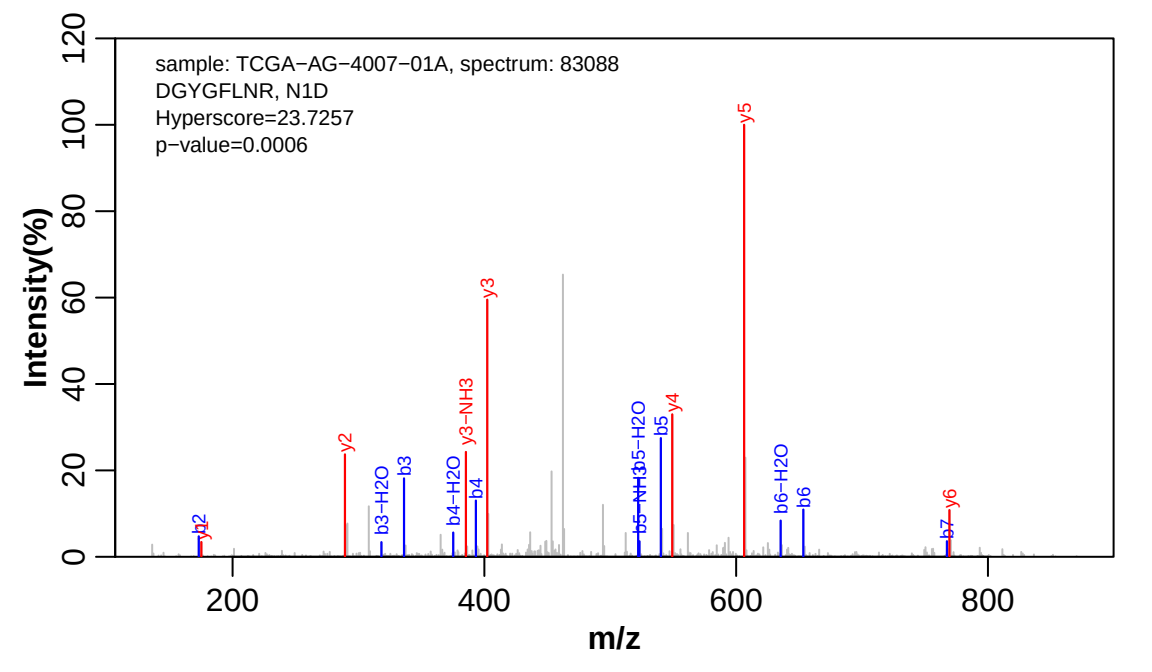

sample: TCGA−AG−4007−01A, spectrum: 17713
AAPSVTLFPPSSEELQANK_T2A
Hyperscore=25.4443
p−value=0.0001
Intensity(%)
m/z
y11++
y11++−H2O
y12++
y13++
y15++
b17++
y17++
y10
b5−NH3
b7
y8++
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

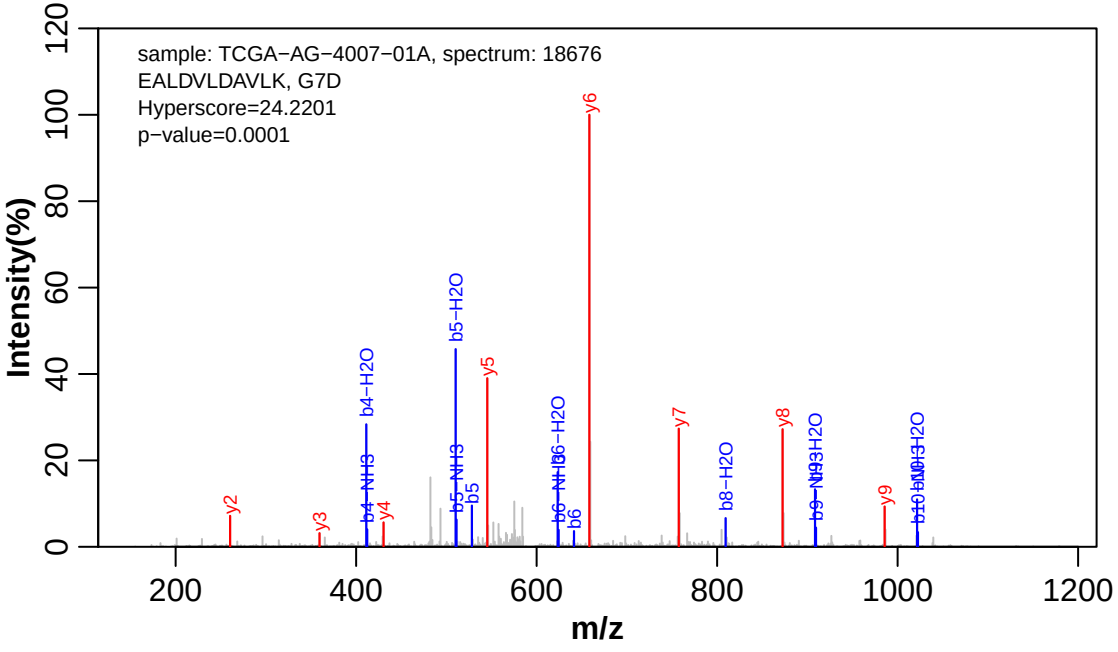

sample: TCGA−AG−4007−01A, spectrum: 6503
AGVETTTPSK, K7T
Hyperscore=20.3881
p−value=0.0002
Intensity(%)
m/z
b3
y3
b4
y4−NH3
y4
b6−H2O
b6−NH3
b5
y5
b6−NH3
b6
y6
b7−H2O
y7

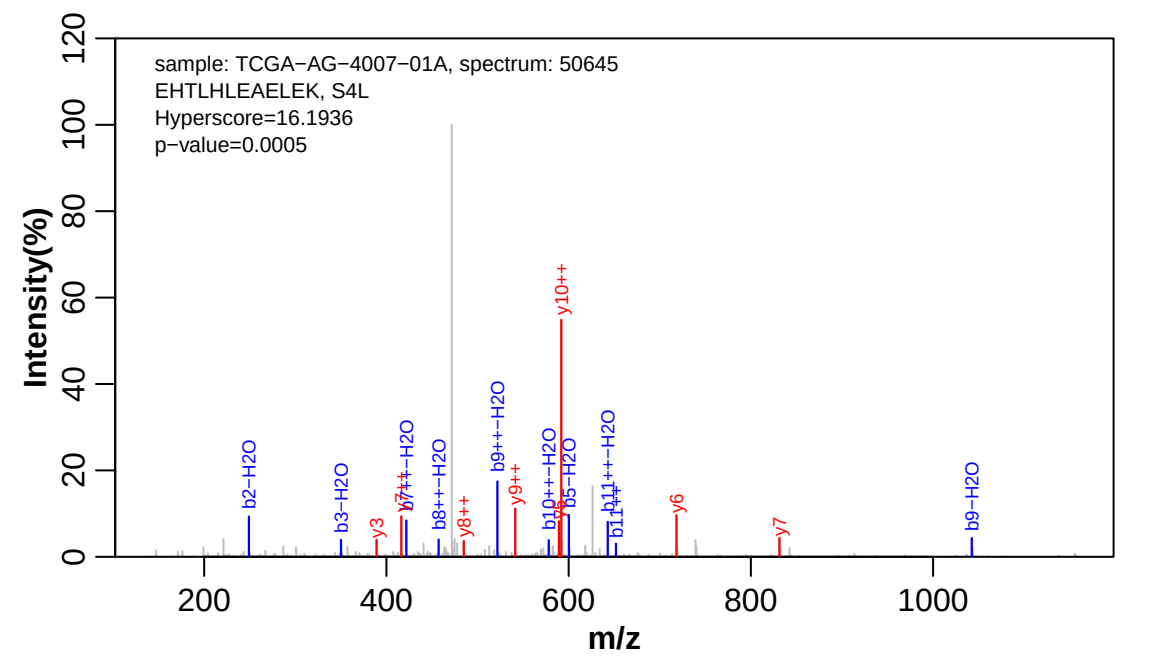

sample: TCGA−AG−4007−01A, spectrum: 90950
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=39.9461
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y8++
b7
y8
y5++−H2O
b6++−NH3
y2
b12++−H2O
y10++
y13++
y14++−H2O
b12−H2O
y9−H2O

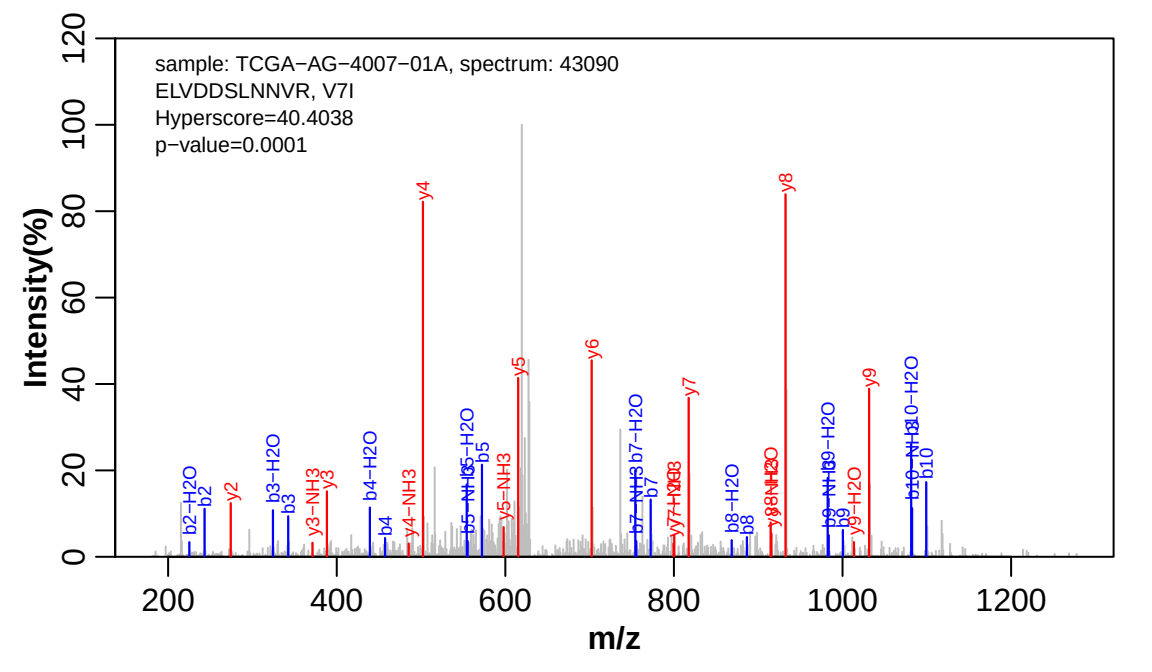

sample: TCGA−AG−4007−01A, spectrum: 38403
AVEVATVVLQPTVLR, S12T
Hyperscore=27.8181
p−value=0.0003
Intensity(%)
m/z
y5
y8
y6
y7
b10
b7−H2O
b8−H2O
b8
b7
b7−NH3
y6−NH3
b8−NH3
b9−H2O
b9
b9−NH3
y9
b10−H2O
y10
y11−NH3
y11
y12−NH3
b13
y13−NH3
y2−NH3
y3
b3
b5−H2O
b6−H2O
b6

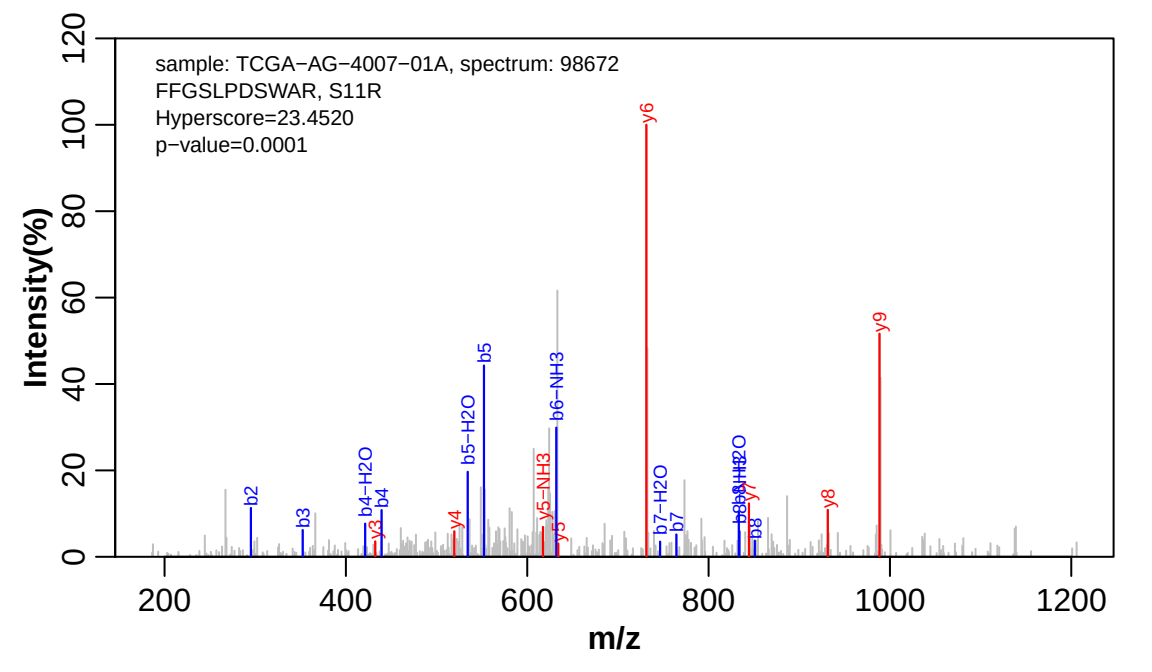

sample: TCGA−AG−4007−01A, spectrum: 25435
DFNHLDVELSLLGK, N6D
Hyperscore=20.7059
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
b7++−H2O
b7++
y4
y5−H2O
y5
b8++−H2O
b8++
b4
y6
b10++−H2O
b10++
b5−H2O
y12++−H2O
y12++
y6−H2O
y7
b7
b8

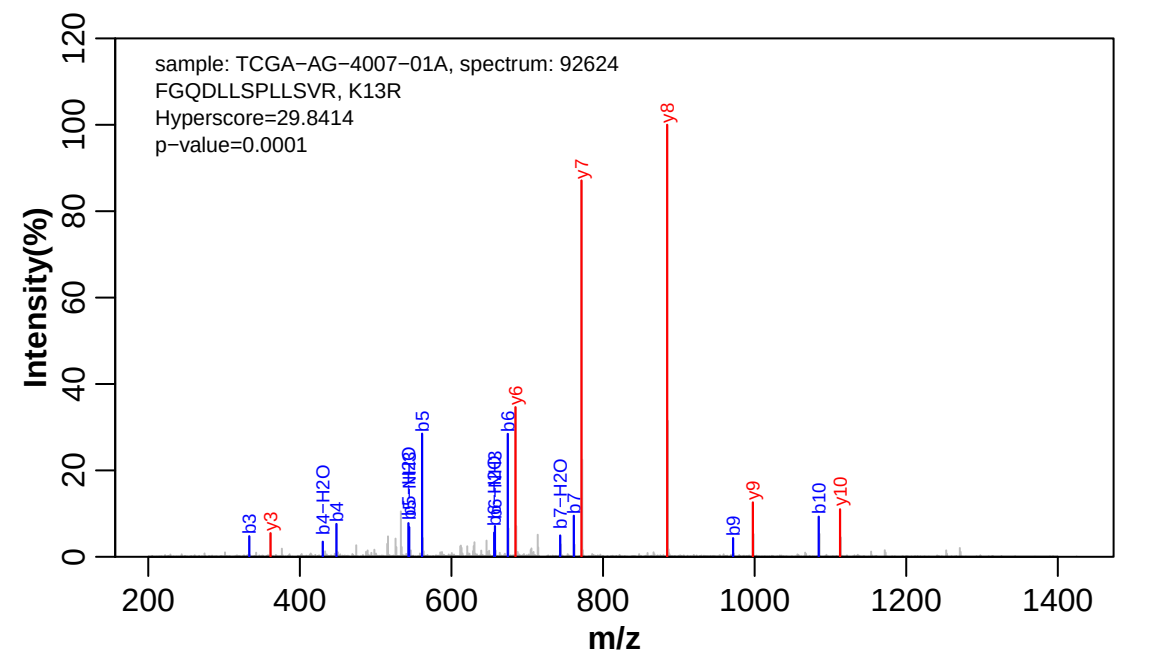

sample: TCGA−AG−4007−01A, spectrum: 83088
DGYGFLNR, N1D
Hyperscore=23.7257
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y5
y3
y3−NH3
y2
y4
b5
b5−H2O
b5−NH3
b3−H2O
b3
b4−H2O
b4
b6−H2O
b6
b7
y6
b2
y1

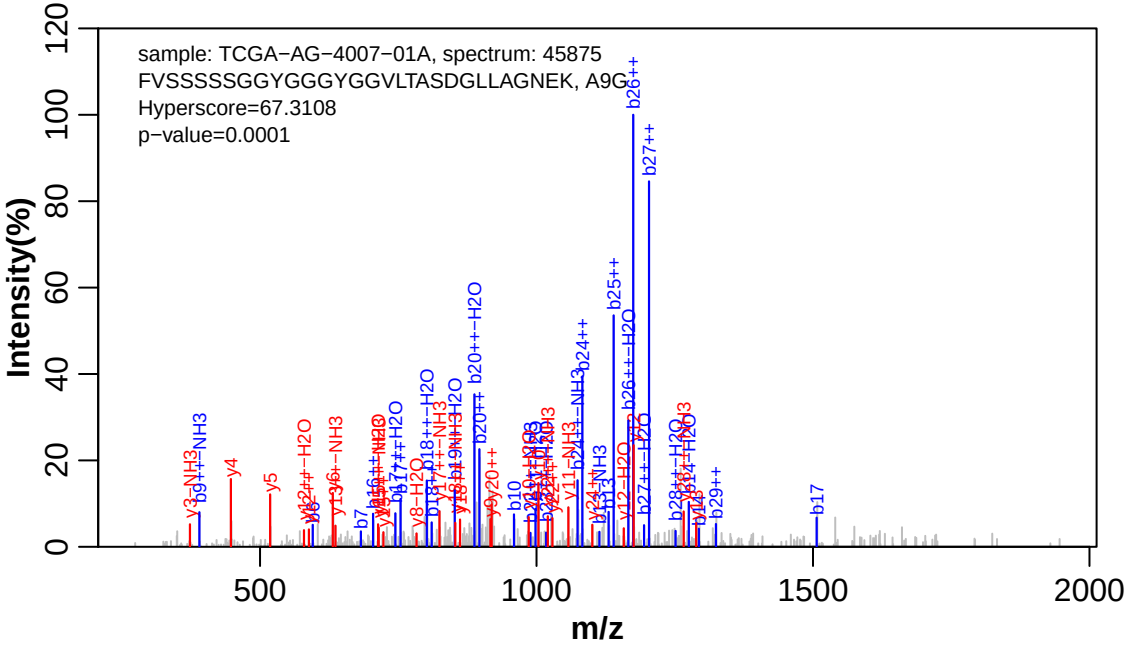

sample: TCGA−AG−4007−01A, spectrum: 18676
EALDVLDAVLK, G7D
Hyperscore=24.2201
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y3
b4−NH3
b4−H2O
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6
y7
b8−H2O
y8
b9−NH3
b9−H2O
y9
b10−NH3
b10−H2O

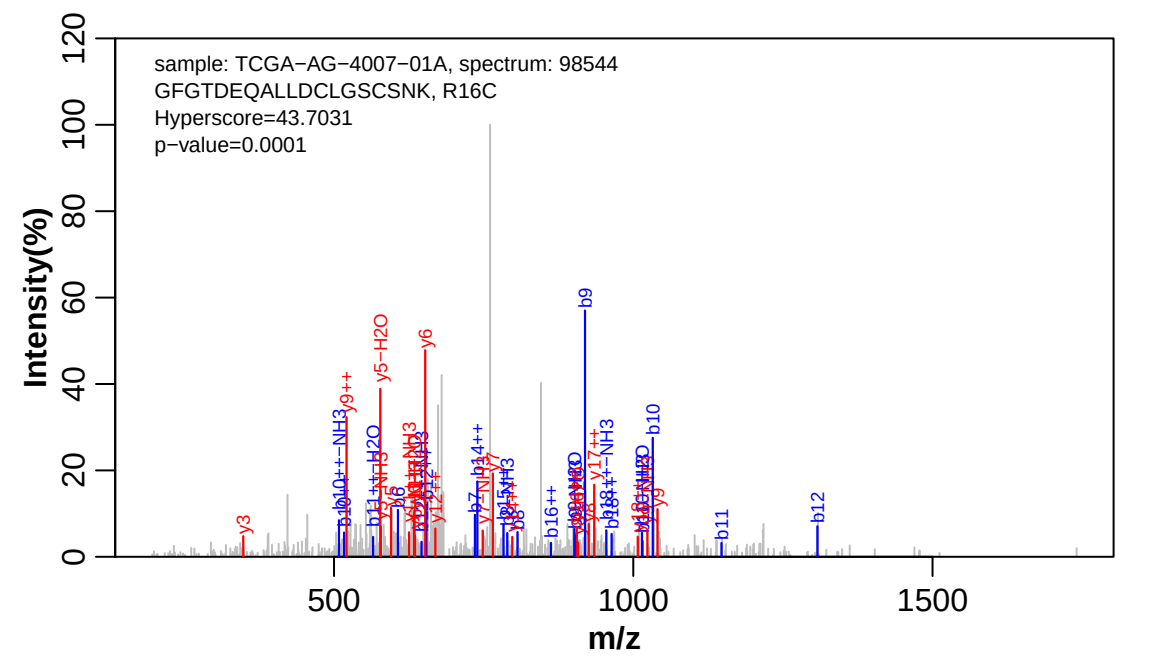

sample: TCGA−AG−4007−01A, spectrum: 50645
EHTLHLEAELEK, S4L
Hyperscore=16.1936
p−value=0.0005
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2−H2O
b3−H2O
y3
y7++
y7++−H2O
b8++−H2O
y8++
b9++−H2O
y9++
y10++
b10++−H2O
b5−H2O
b11++−H2O
y6
y7
b9−H2O

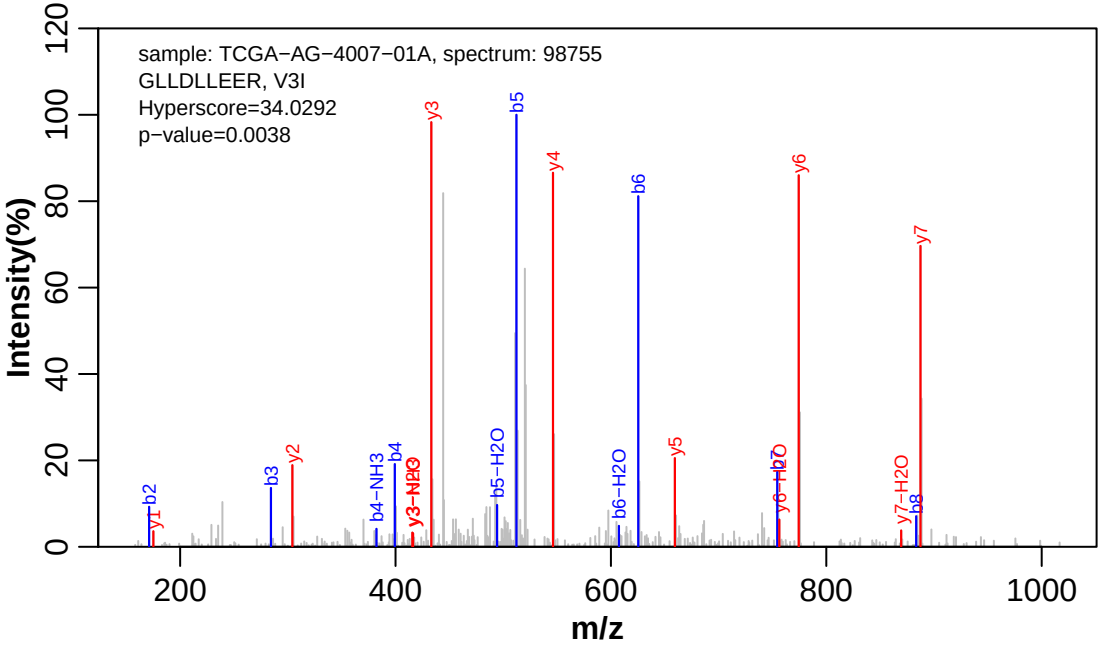

sample: TCGA−AG−4007−01A, spectrum: 43090
ELVDDSLNNVR, V7I
Hyperscore=40.4038
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3−NH3
y3
b4−H2O
b4
y4−NH3
y4
b5−NH3
b5−H2O
b5
y5−NH3
y5
y6
b7−H2O
b7−NH3
b7
y7−H2O
y7−NH3
y7
b8−H2O
b8
y8−H2O
y8−NH3
y8
b9−NH3
b9−H2O
b9
y9−H2O
y9
b10−NH3
b10−H2O
b10

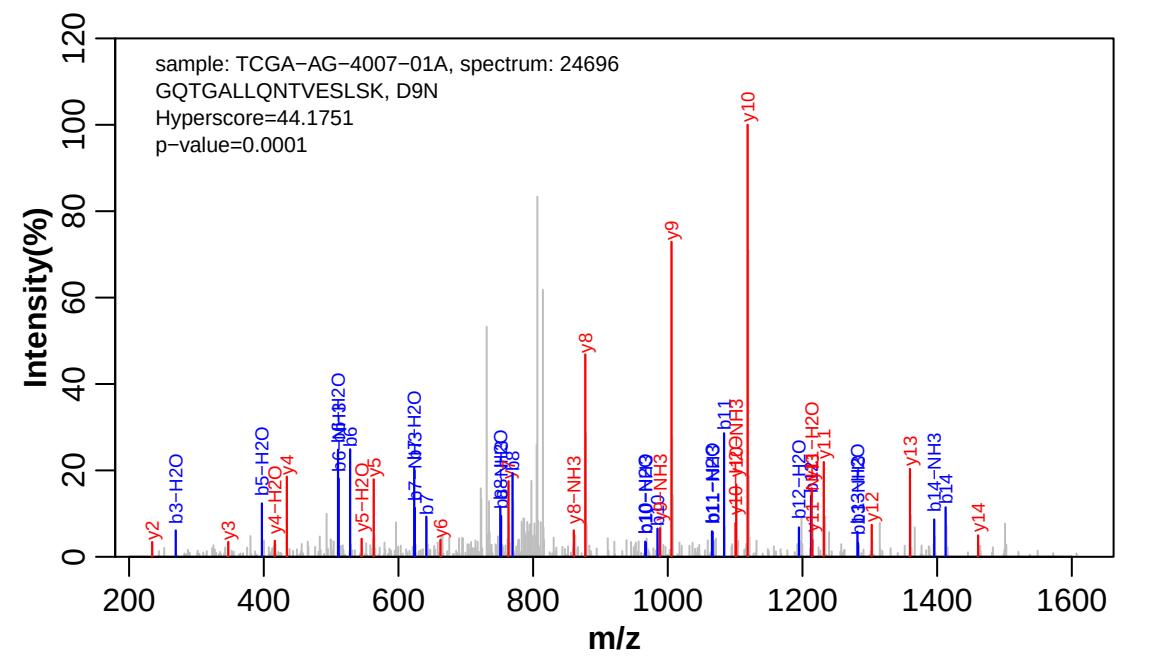

sample: TCGA−AG−4007−01A, spectrum: 98672
FFGSLPDSWAR, S11R
Hyperscore=23.4520
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y9
b5
b6−NH3
b5−H2O
b4−H2O
b7−H2O
y8
y7
y5−NH3
y4
b2
b3
b4
y3
b7
y5

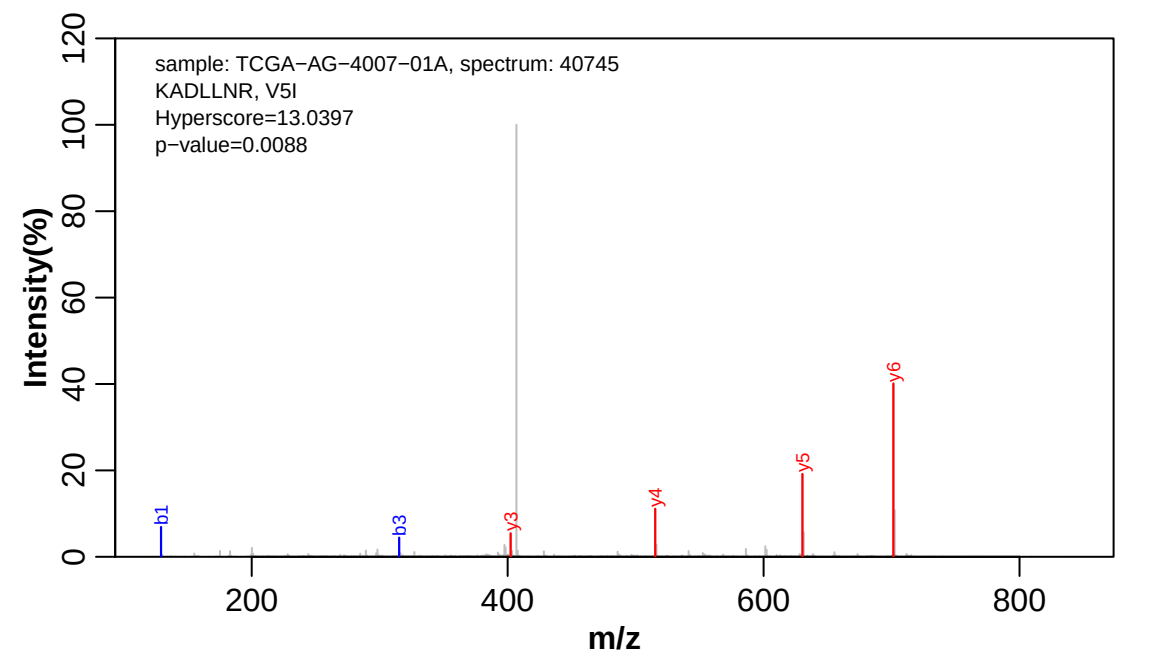

sample: TCGA−AG−4007−01A, spectrum: 92624
FGQDLLSPLLSVR, K13R
Hyperscore=29.8414
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5
y6
b6
b7−H2O
b7
y7
y8
b9
y9
b10
y10

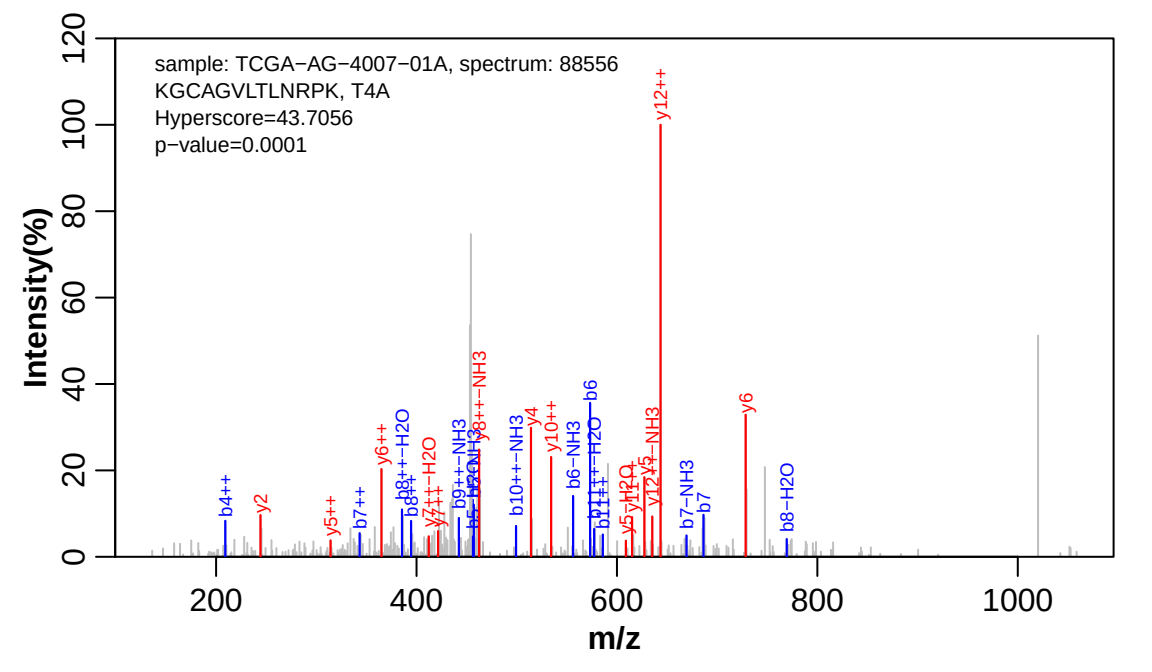

sample: TCGA−AG−4007−01A, spectrum: 45875
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=67.3108
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b26++
b27++
b25++
b20++−H2O
b20++
b24++
y4
y5
b17
b29++

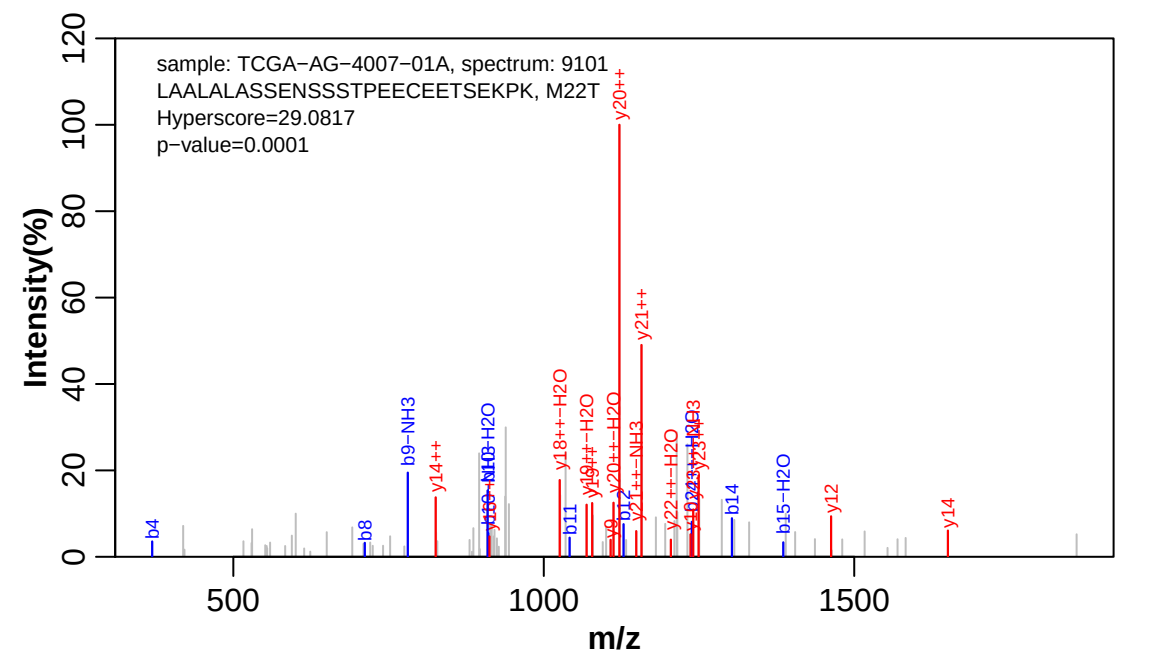

sample: TCGA−AG−4007−01A, spectrum: 98544
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=43.7031
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y9++
y5−H2O
y6
b9
b10
b12
b11
y17++
b16++
b14++
y7
y12++

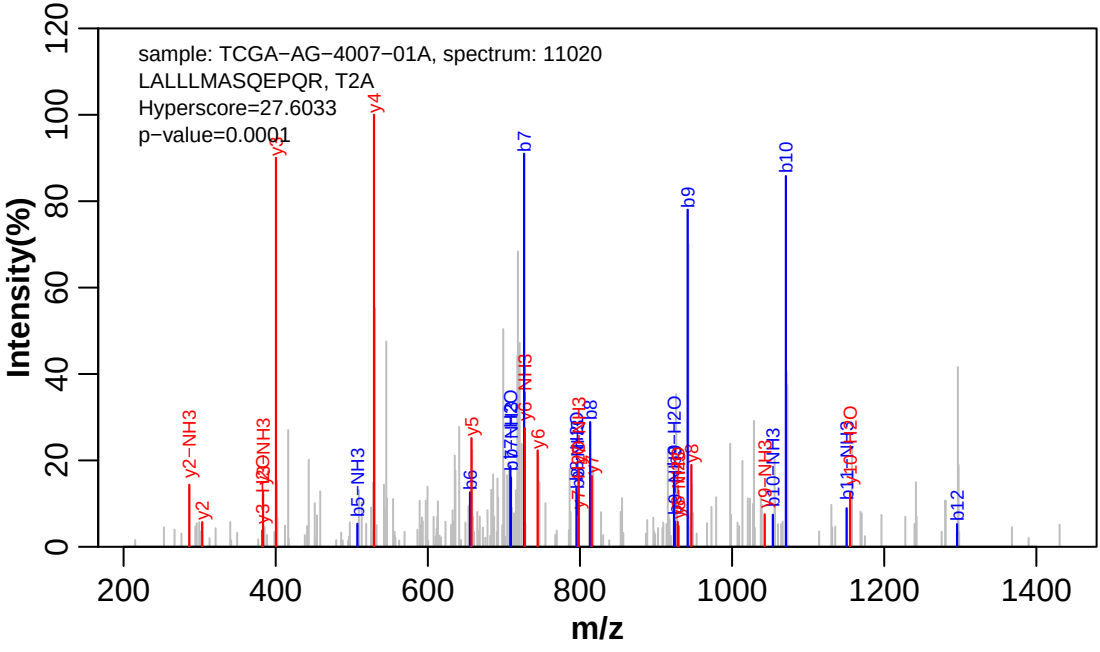

sample: TCGA−AG−4007−01A, spectrum: 98755
GLLDLLEER, V3I
Hyperscore=34.0292
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y2
b4−NH3
b4
y3−NH3
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
y6−H2O
y6
y7−H2O
b8
y7

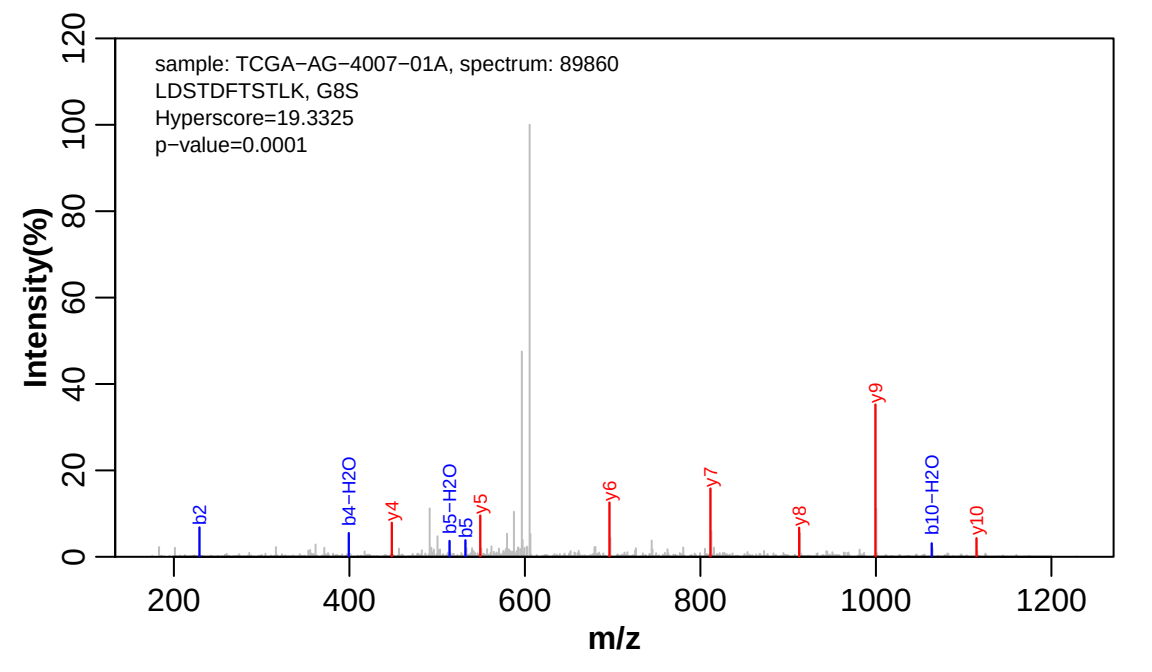

sample: TCGA−AG−4007−01A, spectrum: 24696
GQTGALLQNTVESLSK, D9N
Hyperscore=44.1751
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3−H2O
y3
b5−H2O
y4−H2O
y4
b6−NH3
b6
b6−H2O
y5−H2O
y5
b7−NH3
b7−H2O
b7
y6
b8−NH3
b8−H2O
y8
y8−NH3
b10−NH3
b10
b11−NH3
b11−H2O
b11
y10−NH3
y10
y9
b12−H2O
b12
y11−NH3
y11−H2O
y11
b13−NH3
b13−H2O
y12
y13
b14−NH3
b14
y14
y10

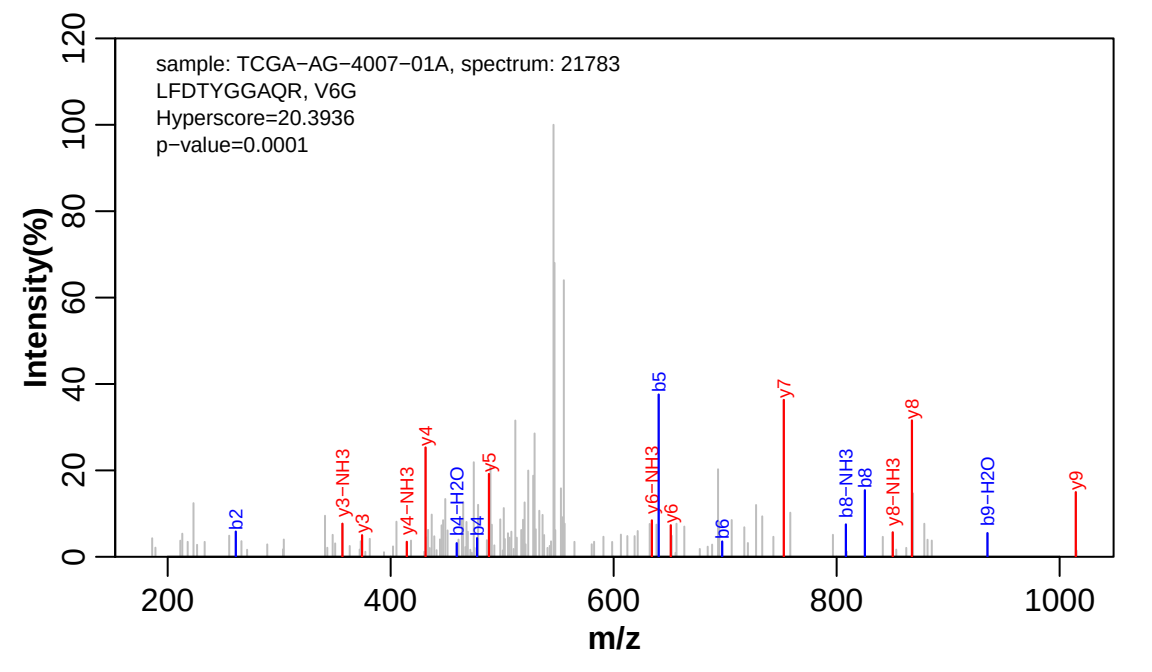

sample: TCGA−AG−4007−01A, spectrum: 40745
KADLLNR, V5I
Hyperscore=13.0397
p−value=0.0088
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b1
b3
y3
y4
y5
y6

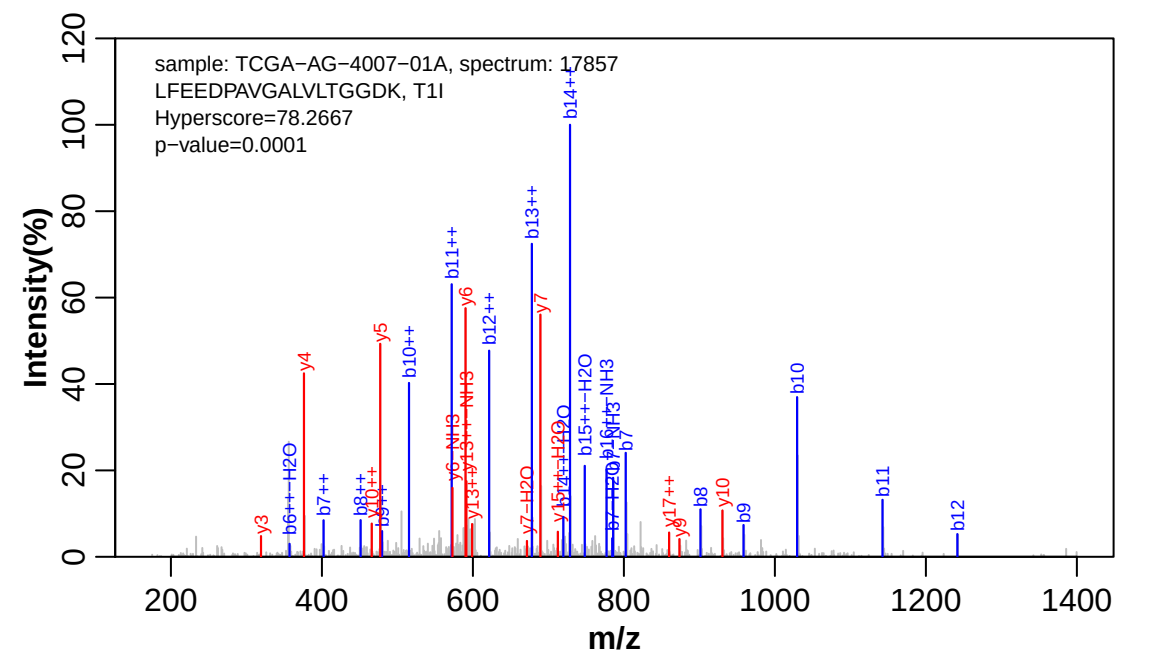

sample: TCGA−AG−4007−01A, spectrum: 88556
KGCAGVLTLNRPK, T4A
Hyperscore=43.7056
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b4++
y2
y5++
b7++
y6++
b8++−H2O
b8++
y7++−H2O
y7++
b9++−NH3
b5−H2O
b5−H2O−NH3
y8++−NH3
b10++−NH3
y4
y10++
b6−NH3
b6
b11++−H2O
b11++
y5−H2O
y12++−NH3
y12++
b7−NH3
b7
y6
b8−H2O

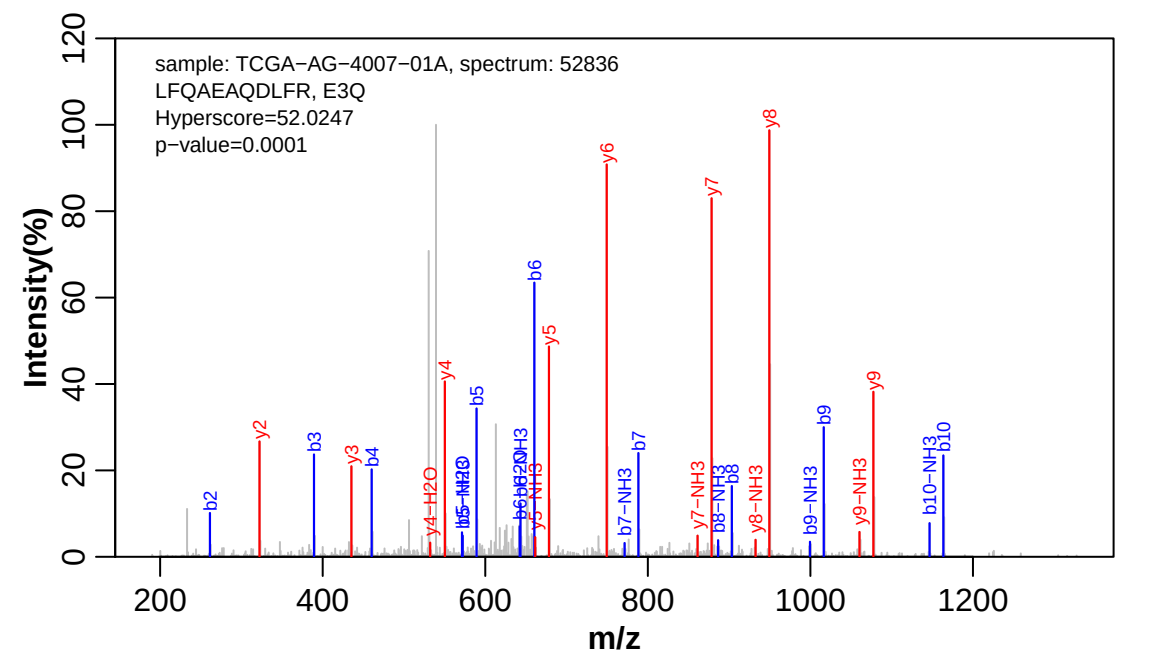

sample: TCGA−AG−4007−01A, spectrum: 9101
LAALALASSENSSSTPEECEETSEKPK, M22T
Hyperscore=29.0817
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
b8
b9−NH3
y14++
b11
y18++−H2O
y20++
y21++
y12
y14

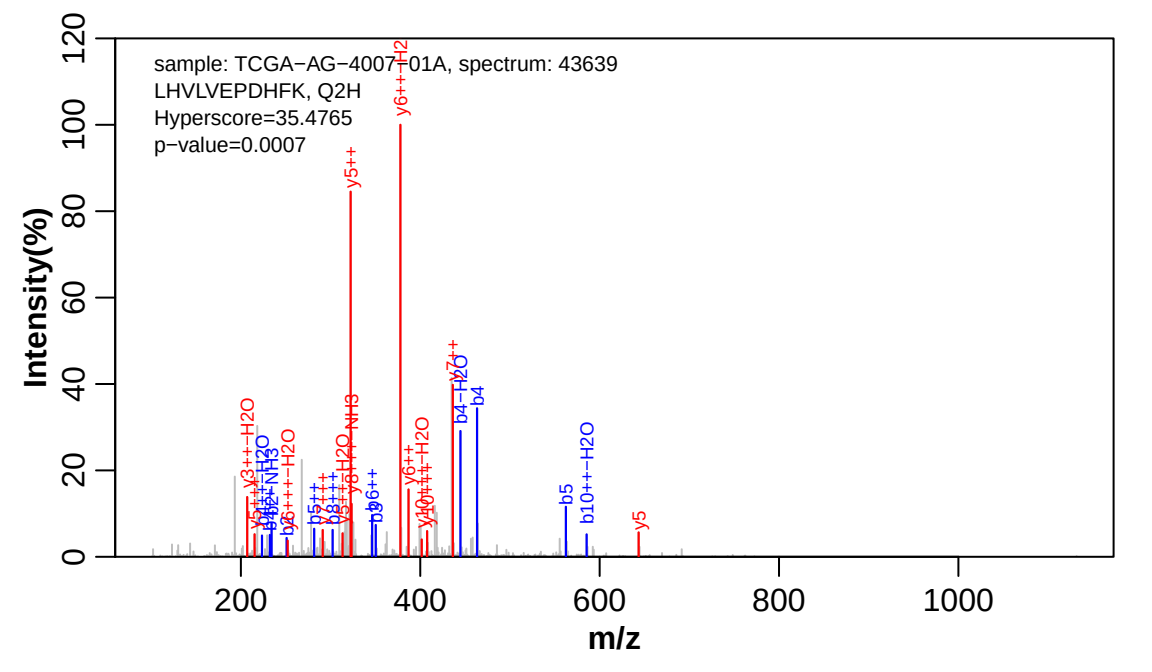

sample: TCGA−AG−4007−01A, spectrum: 11020
LALLLMASQEPQR, T2A
Hyperscore=27.6033
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y1
y4
b7
b10
b9
y5
y6
b8
y8
b12
y2−NH3
y2
b5−NH3
b6
b7−NH3
b7−H2O
y6−NH3
y7
y8−NH3
y8−H2O
y9−NH3
y9
b10−NH3
b11−NH3
b11−H2O

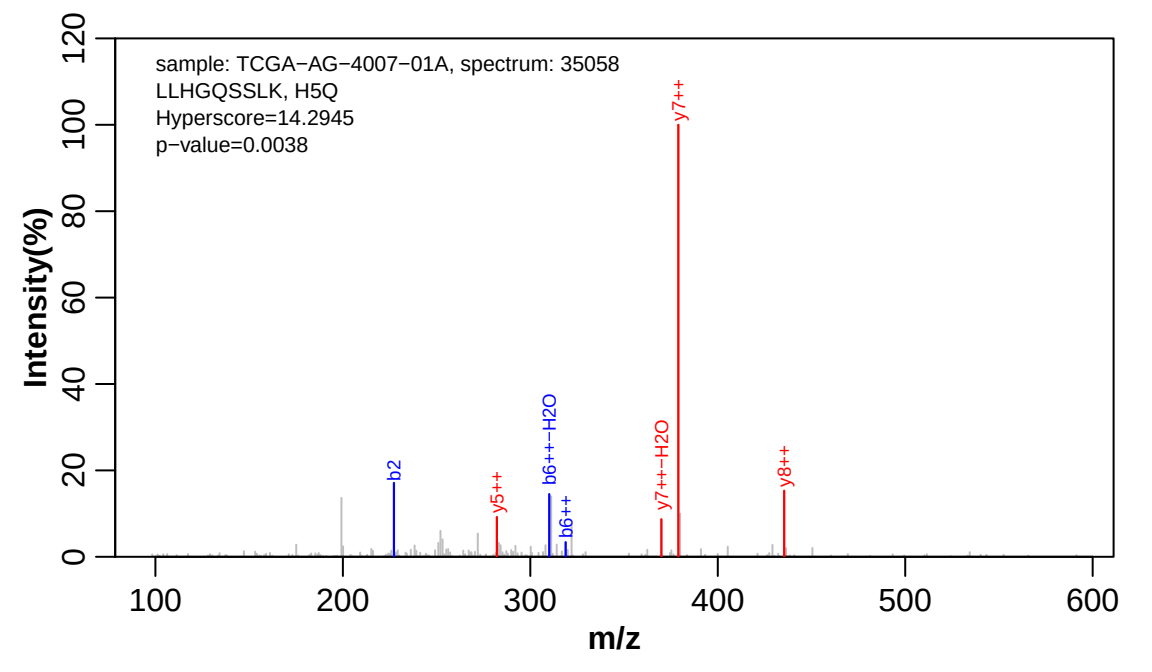

sample: TCGA−AG−4007−01A, spectrum: 89860
LDSTDFTSTLK, G8S
Hyperscore=19.3325
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
m/z
b2
b4−H2O
y4
b5−H2O
b5
y5
y6
y7
y8
y9
b10−H2O
y10

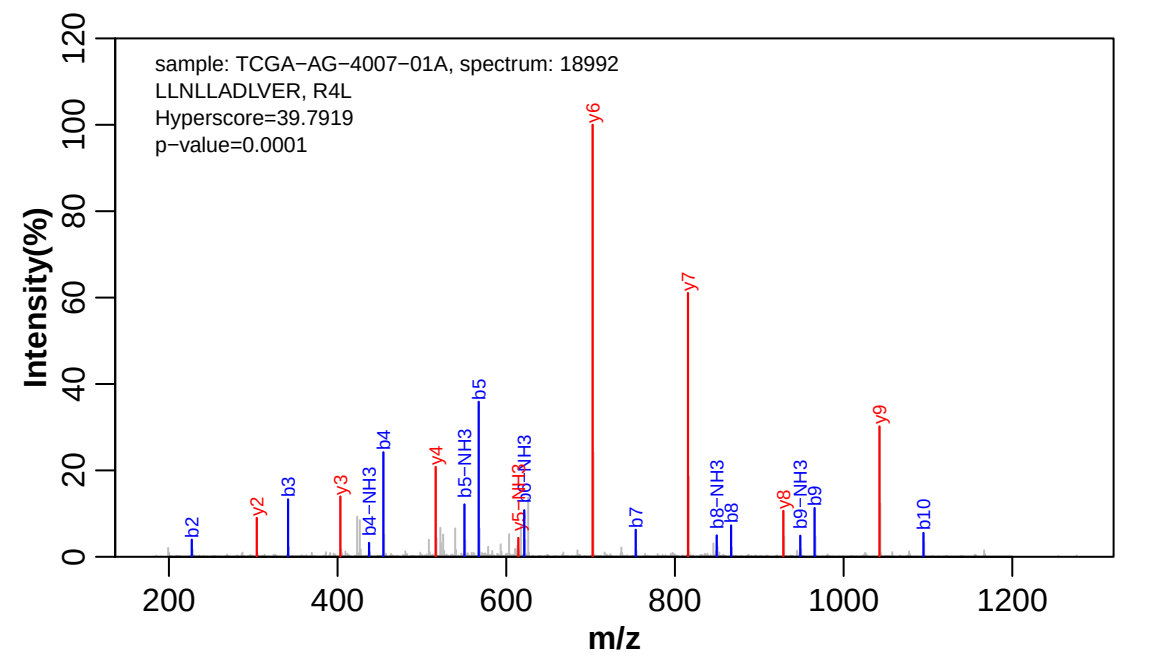

sample: TCGA−AG−4007−01A, spectrum: 21783
LFDTYGGAQR, V6G
Hyperscore=20.3936
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y3−NH3
y3
y4−NH3
y4
b4−H2O
b4
y5
b5
y6−NH3
y6
b6
y7
b8−NH3
b8
y8−NH3
y8
b9−H2O
y9

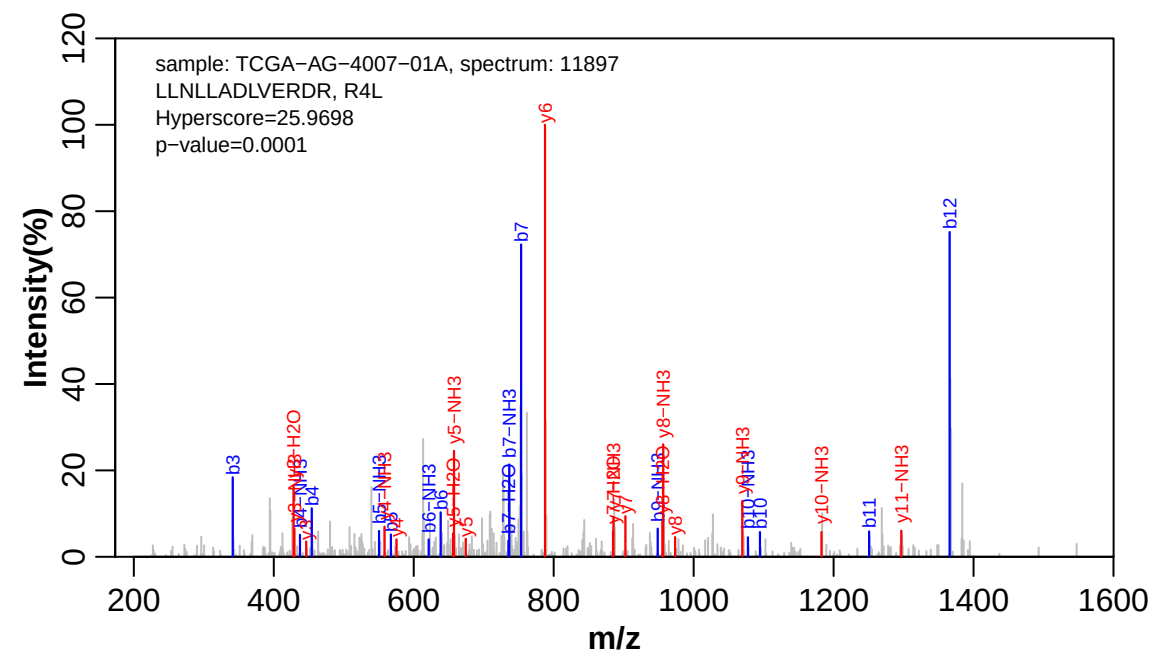

sample: TCGA−AG−4007−01A, spectrum: 17857
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=78.2667
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b6++−H2O
y4
b7++
b8++
y10++
b9++
y5
b10++
y6−NH3
b11++
y13++−NH3
y6
b12++
y7−H2O
b13++
y7
y15++−H2O
y14++−H2O
b14++
b15++−H2O
b16++−NH3
b7
y17++
y8
b8
y10
b9
b10
b11
b12

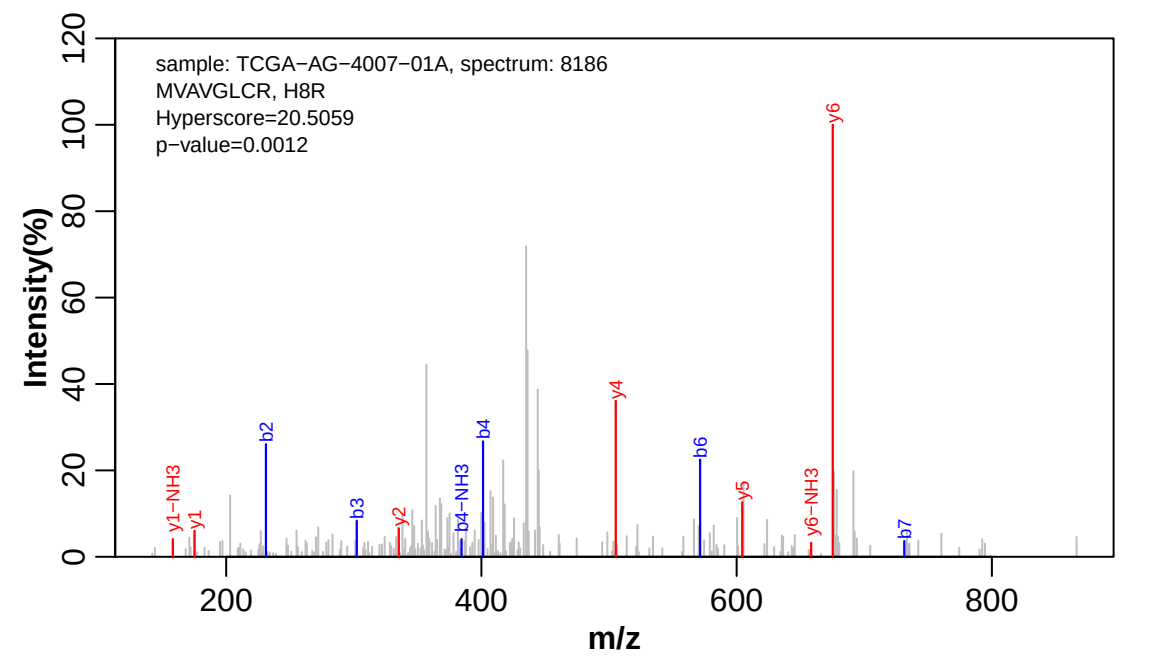

sample: TCGA−AG−4007−01A, spectrum: 52836
LFQAEAQDLFR, E3Q
Hyperscore=52.0247
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4
y4−H2O
y4
b5
b6
y5−NH3
y5
b6
b7−NH3
b7
y6
y7−NH3
b8−NH3
b8
y7
y8−NH3
y8
b9−NH3
b9
y9−NH3
y9
b10−NH3
b10

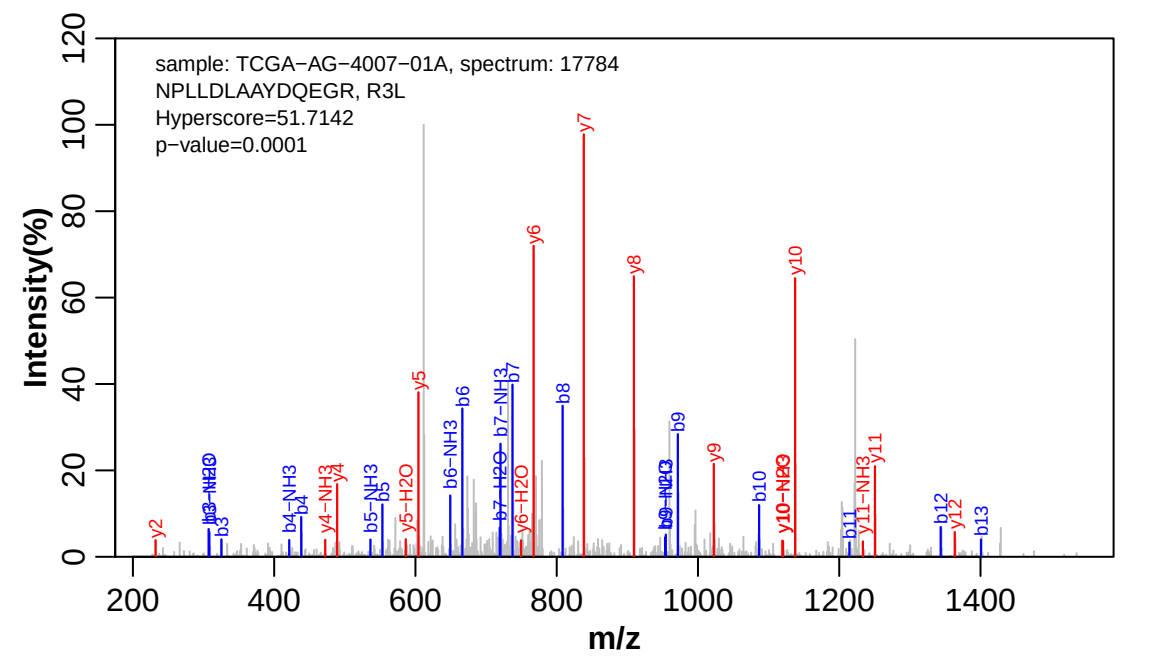

sample: TCGA−AG−4007−01A, spectrum: 43639
LHVLVEPDHFK, Q2H
Hyperscore=35.4765
p−value=0.0007
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y6++−H2
y5++
y6++
b4−H2O
b4
b5
b10++−H2O
y5

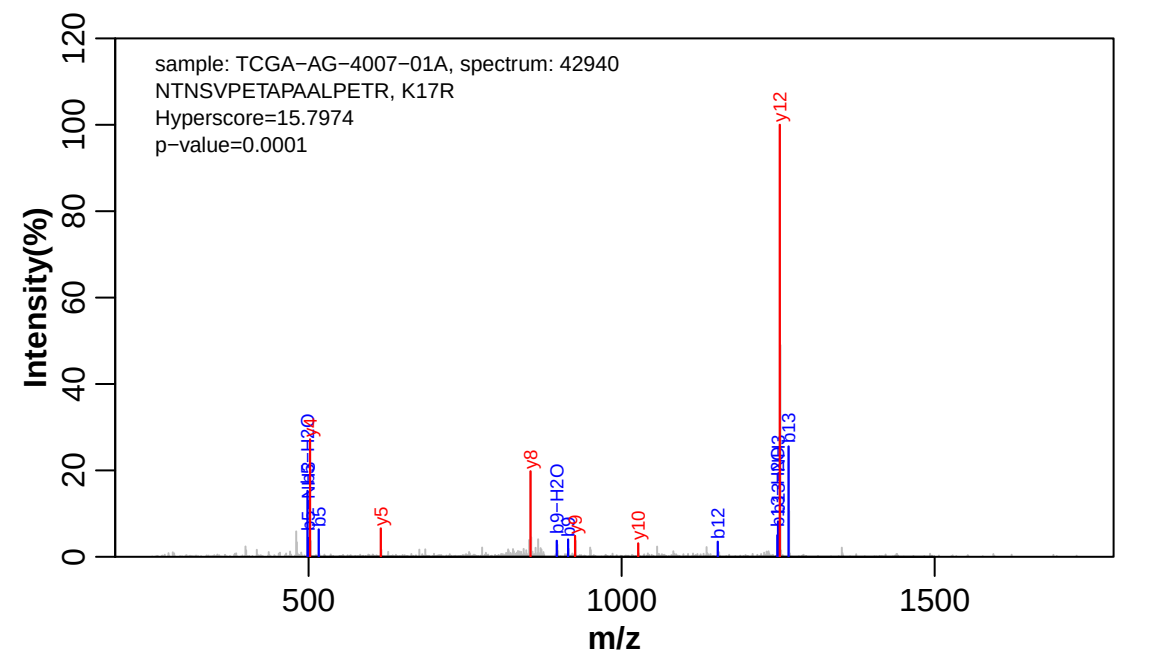

sample: TCGA−AG−4007−01A, spectrum: 35058
LLHGQSSLK, H5Q
Hyperscore=14.2945
p−value=0.0038
Intensity(%)
m/z
b2
y5++
b6++−H2O
b6++
y7++−H2O
y7++
y8++

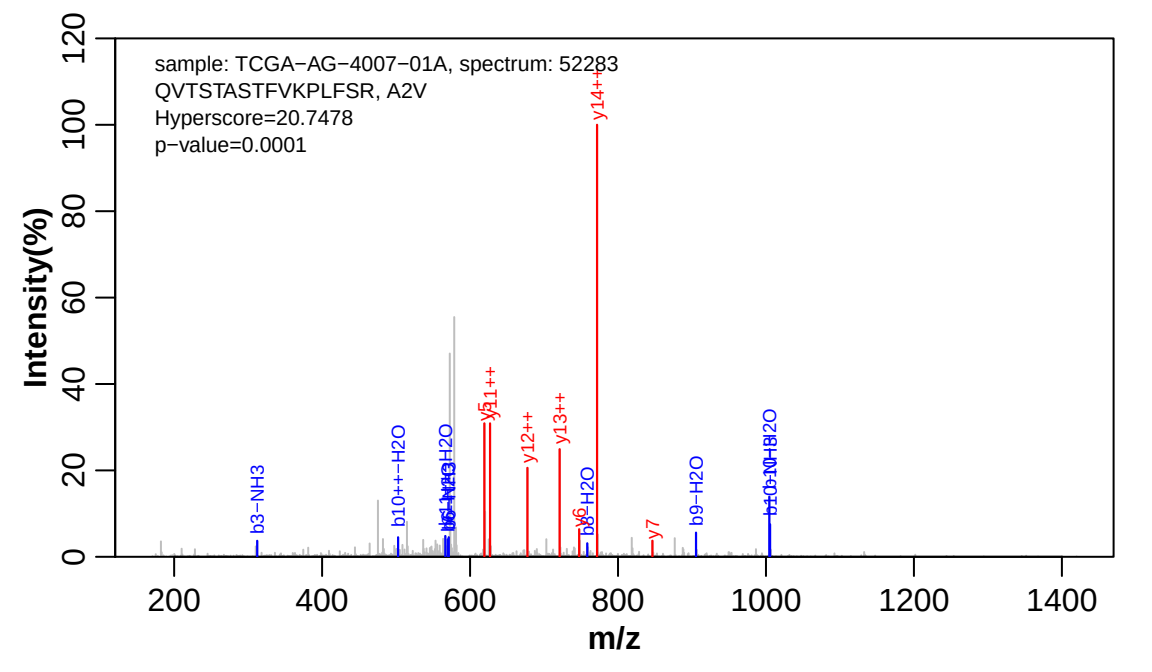

sample: TCGA−AG−4007−01A, spectrum: 18992
LLNLLADLVER, R4L
Hyperscore=39.7919
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

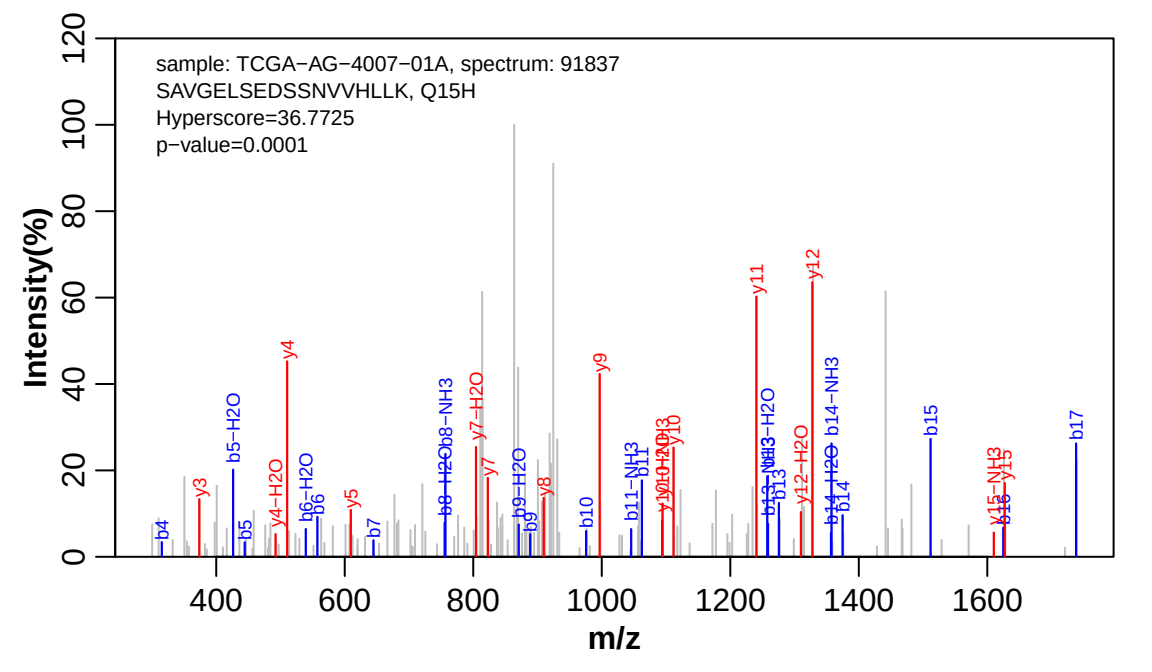

sample: TCGA−AG−4007−01A, spectrum: 11897
LLNLLADLVERDR, R4L
Hyperscore=25.9698
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
b7
b12
b3
y5−NH3
b7−NH3
y8−NH3
y10−NH3
y11−NH3
b11

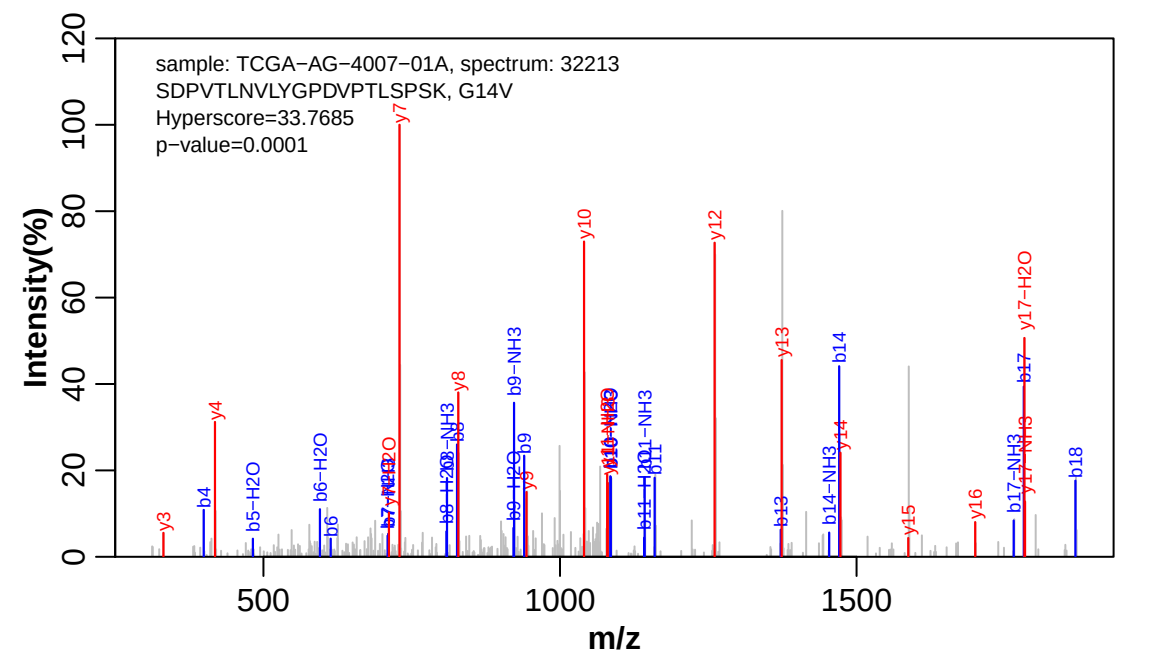

sample: TCGA−AG−4007−01A, spectrum: 8186
MVAVGLCR, H8R
Hyperscore=20.5059
p−value=0.0012
Intensity(%)
m/z
y1−NH3
y1
b2
b3
y2
b4−NH3
b4
y4
b6
y5
y6−NH3
y6
b7

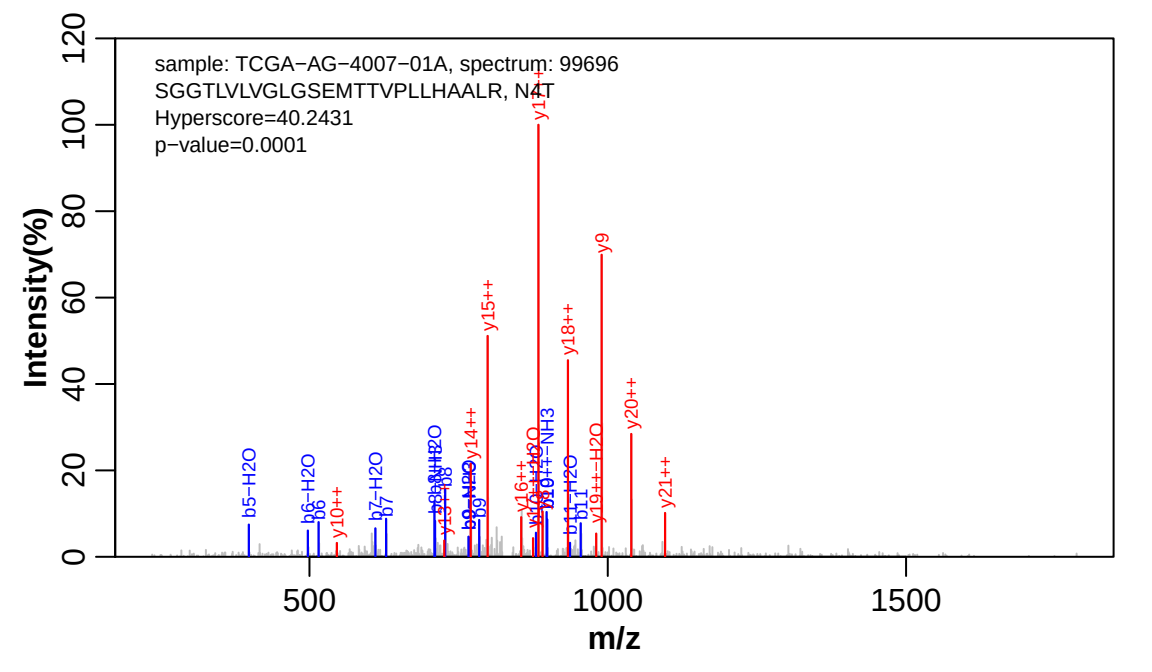

sample: TCGA−AG−4007−01A, spectrum: 17784
NPLLDLAAYDQEGR, R3L
Hyperscore=51.7142
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
b4−NH3
b4
y4−NH3
y4
b5−NH3
b5
y5−H2O
y5
b6−NH3
b6
b7−H2O
b7−NH3
b7
y6−H2O
y6
b8
y7
y8
b9
y9
b10
y10−NH3
y10
y11−NH3
y11
b11
b12
y12
b13

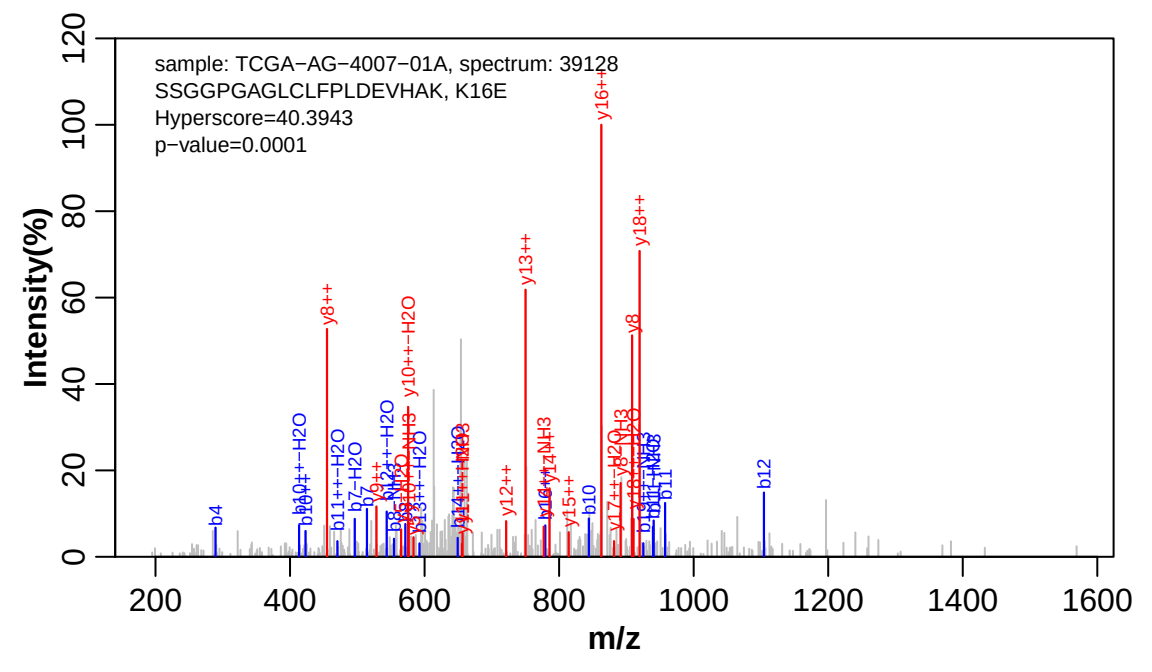

sample: TCGA−AG−4007−01A, spectrum: 42940
NTNSVPETAPAALPETR, K17R
Hyperscore=15.7974
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
y10
b12
b13
b9−H2O
0
20
40
60
80
100
120
500
1000
1500

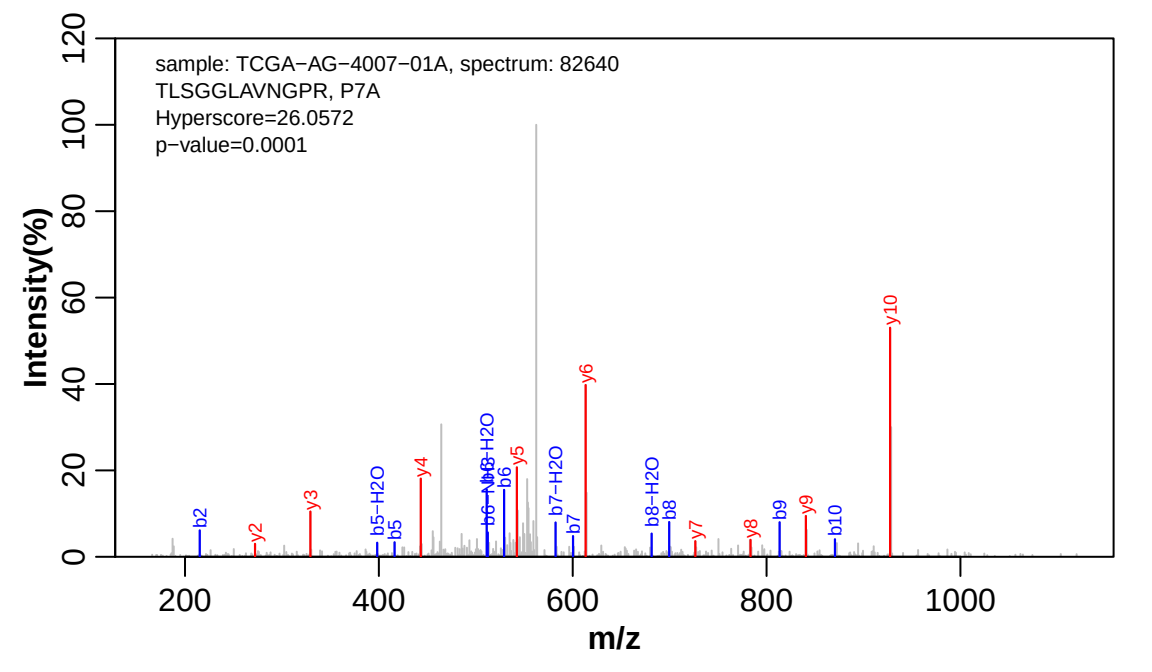

sample: TCGA−AG−4007−01A, spectrum: 52283
QVTSTASTFVKPLFSR, A2V
Hyperscore=20.7478
p−value=0.0001
Intensity(%)
m/z
y14++
y11++
y12++
y13++
b3−NH3
b10++−H2O
b9−H2O
y7
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

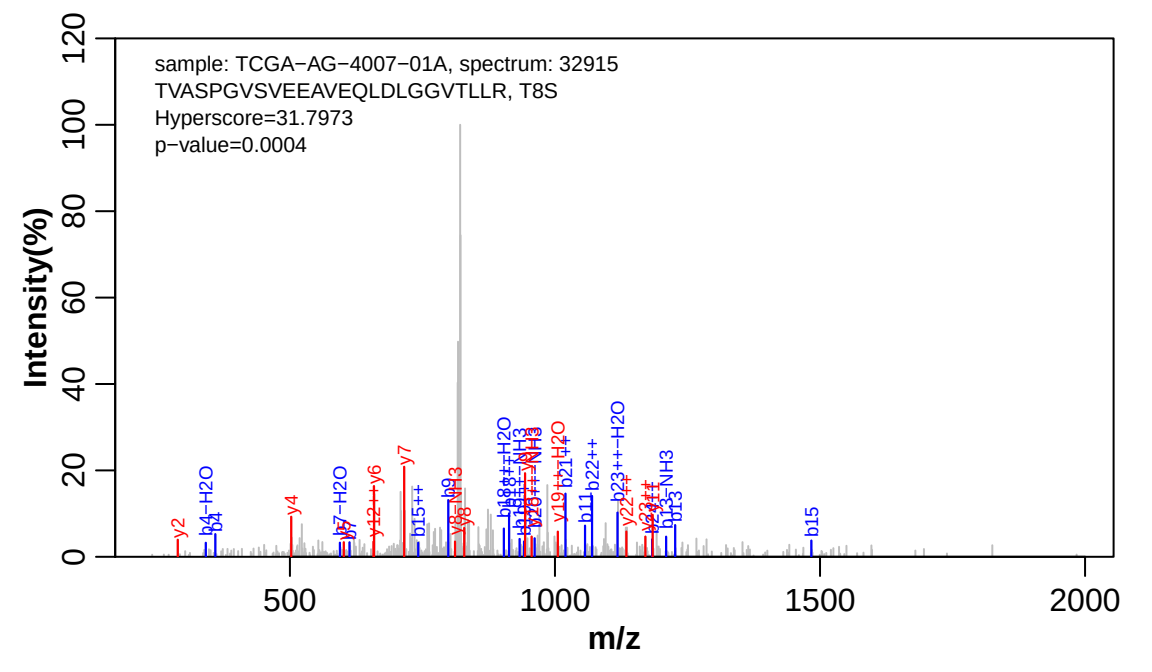

sample: TCGA−AG−4007−01A, spectrum: 91837
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=36.7725
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600
b4
y3
b5−H2O
b5
y4
y4−H2O
b6−H2O
b6
y5
b7
b8−H2O
b8−NH3
y7−H2O
y7
b9−H2O
b9
y8
b10
y9
b11−NH3
b11
y10−H2O
y10
y11
b13−NH3−H2O
b13
y12
y12−H2O
b14−H2O
b14−NH3
b14
b15
y15−NH3
y15
b17

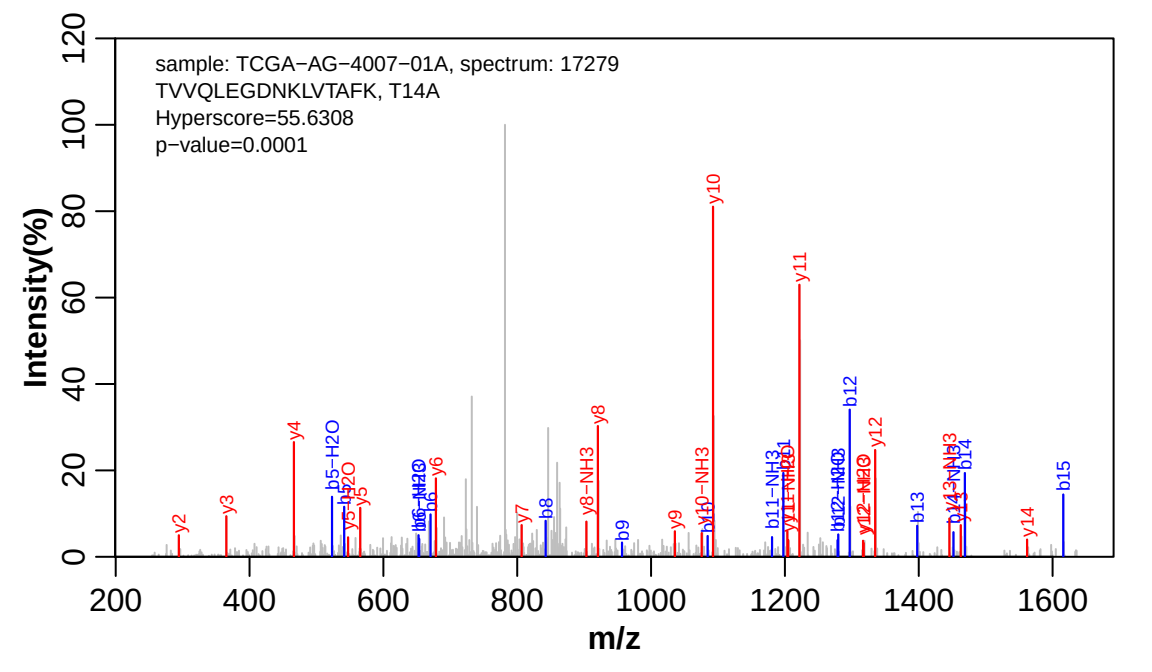

sample: TCGA−AG−4007−01A, spectrum: 32213
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=33.7685
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b4
y4
b5−H2O
b6−H2O
b6
y7
y8
b9−NH3
b9
b9−H2O
y9
y10
y12
y13
b11−NH3
b11
b12
b14
b14−NH3
y14
y15
y16
b17
y17−H2O
b17−NH3
y17−NH3
b18

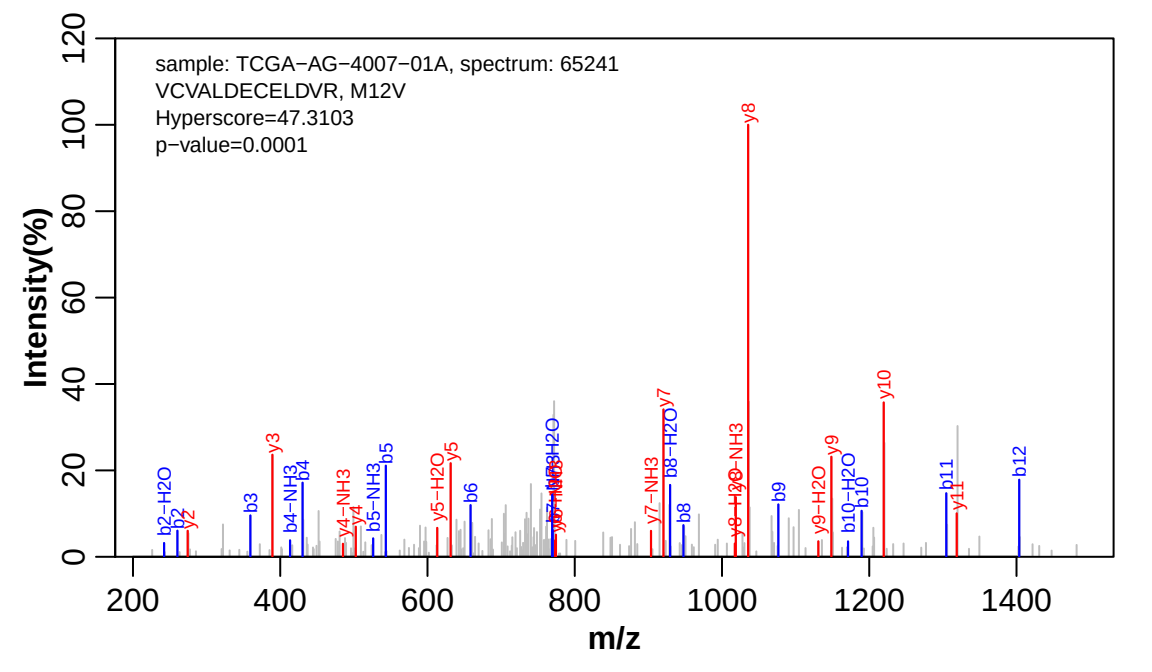

sample: TCGA−AG−4007−01A, spectrum: 99696
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=40.2431
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5−H2O
b6−H2O
b6
y10++
b7−H2O
b7
y14++
y15++
y11++
y18++
y9
y20++
y21++
y19++−H2O
y19++−NH3
b11−H2O
b11
y16++

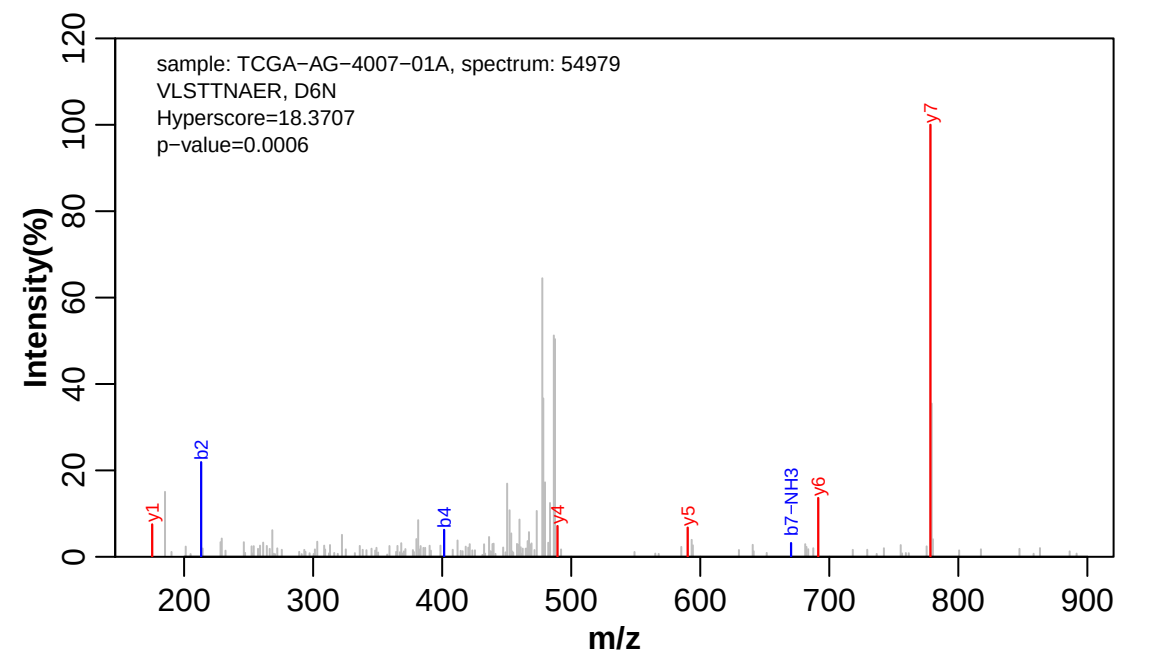

sample: TCGA−AG−4007−01A, spectrum: 39128
SSGGPGAGLCLFPLDEVHAK, K16E
Hyperscore=40.3943
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y16++
y18++
y8++
y13++
y8
y10++−H2O
y12++
y15++
b12
b4
b10
b11++−H2O
b7−H2O

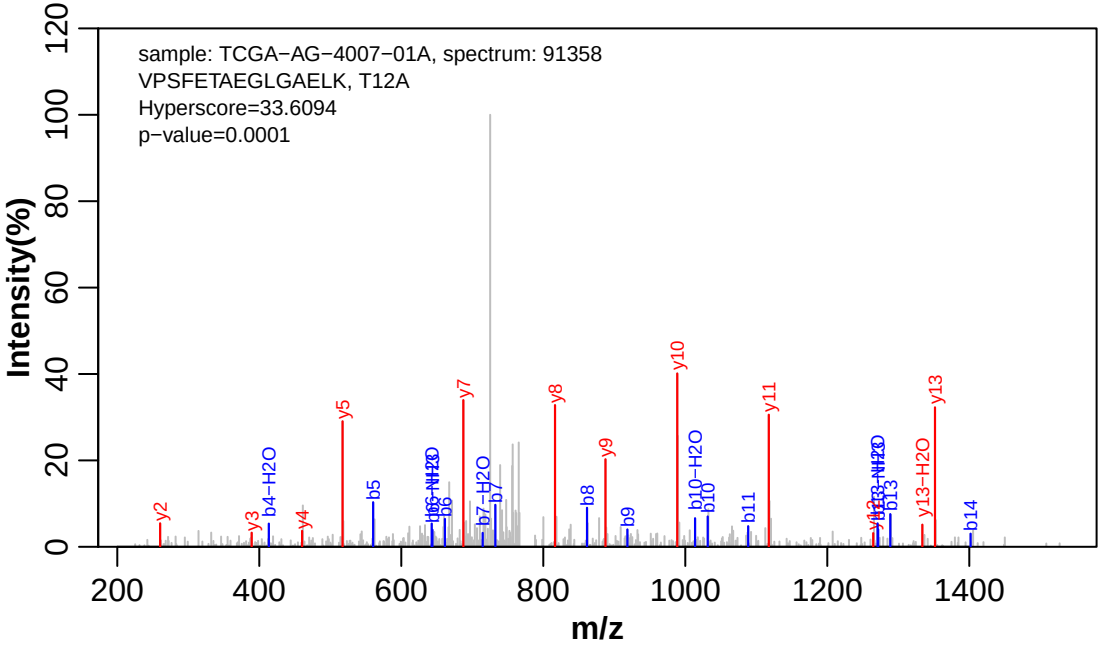

sample: TCGA−AG−4007−01A, spectrum: 82640
TLSGGLAVNGPR, P7A
Hyperscore=26.0572
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
b7−H2O
b7
y6
b8−H2O
b8
y7
y8
b9
y9
b10
y10

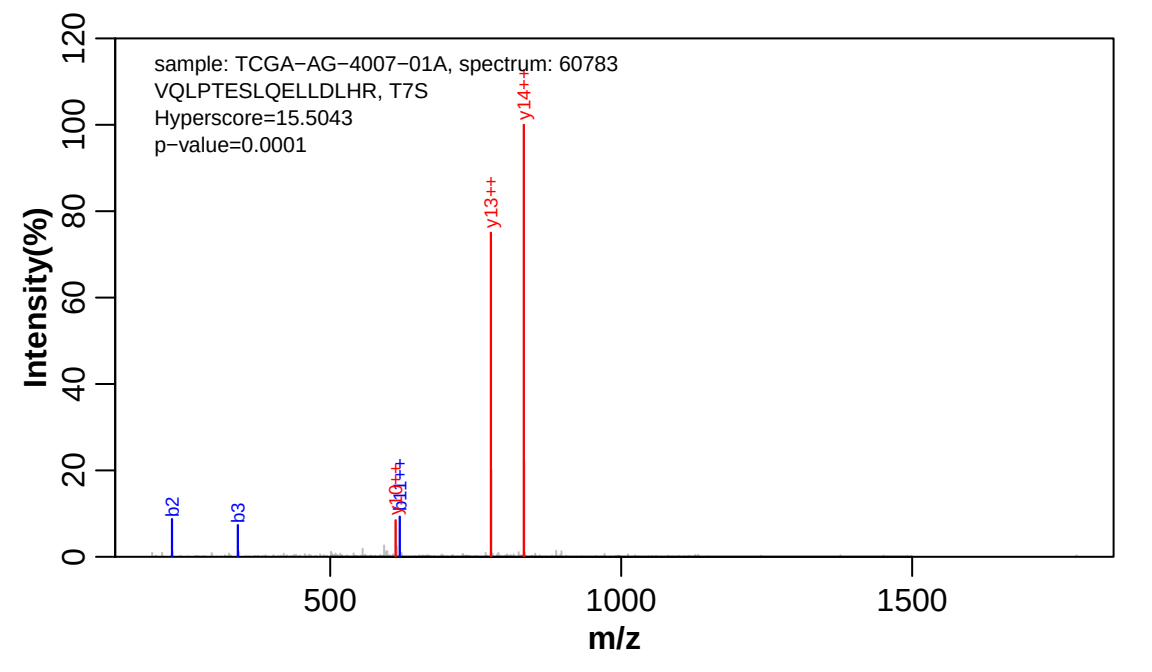

sample: TCGA−AG−4007−01A, spectrum: 32915
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=31.7973
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b4−H2O
b4
y4
b7−H2O
b7
y12++y6
y7
b15++
b9
y8−NH3
y8
b18++H2O
b18++
b20++−NH3
b20++
y19++H2O
y19++
y21++
b11
b22++
b23++−H2O
y22++
y22++
b23++
b13−NH3
b13
b15

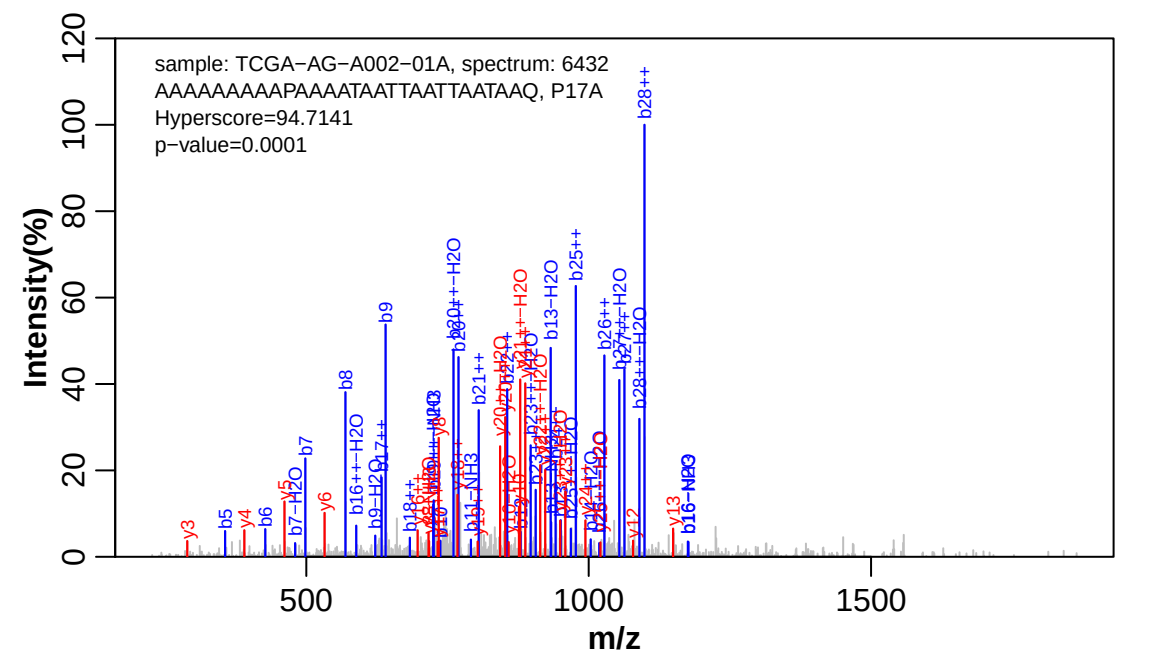

sample: TCGA−AG−4007−01A, spectrum: 17279
TVVQLEGDNKLVTAFK, T14A
Hyperscore=55.6308
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4
b5−H2O
y5−H2O
y5
y6
b8
y7
y8−NH3
y8
b9
y9
b10−NH3
y10
y11
b11−NH3
b12
y12
b13
y14
b15

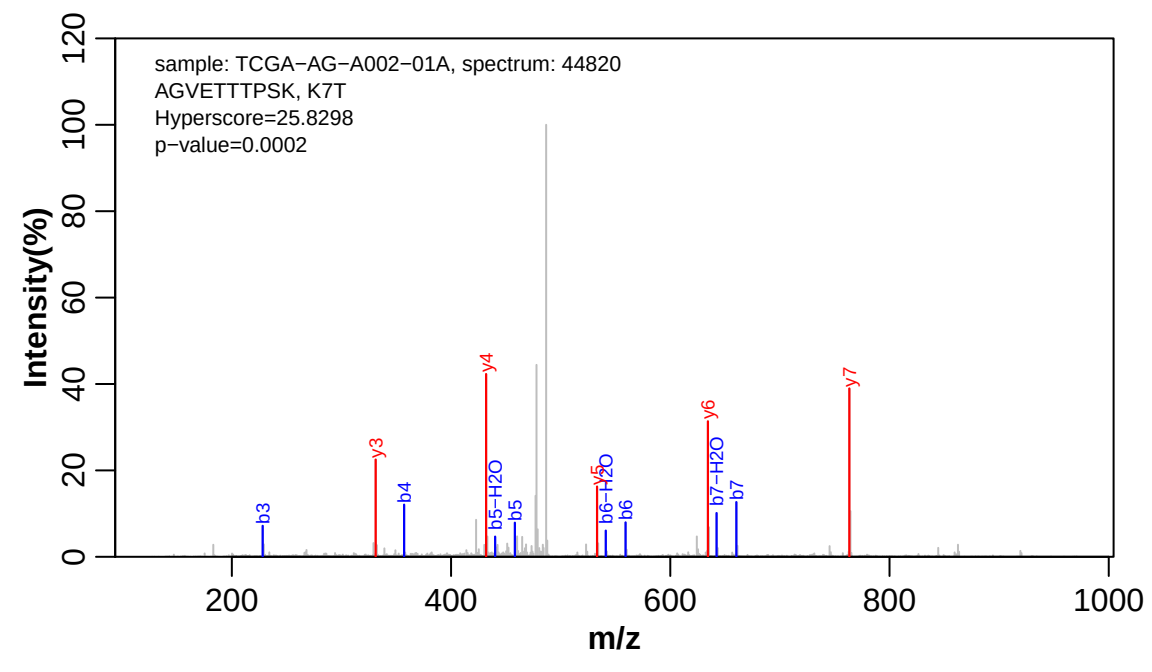

sample: TCGA−AG−4007−01A, spectrum: 65241
VCVALDECELDVR, M12V
Hyperscore=47.3103
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b2
y2
b3
y3
b4−NH3
b4
y4−NH3
y4
b5−NH3
b5
y5−H2O
y5
b6
y7−NH3
b8−H2O
y7
b8
y8−NH3
b9
y9−H2O
y9
b10−H2O
b10
y10
b11
y11
b12

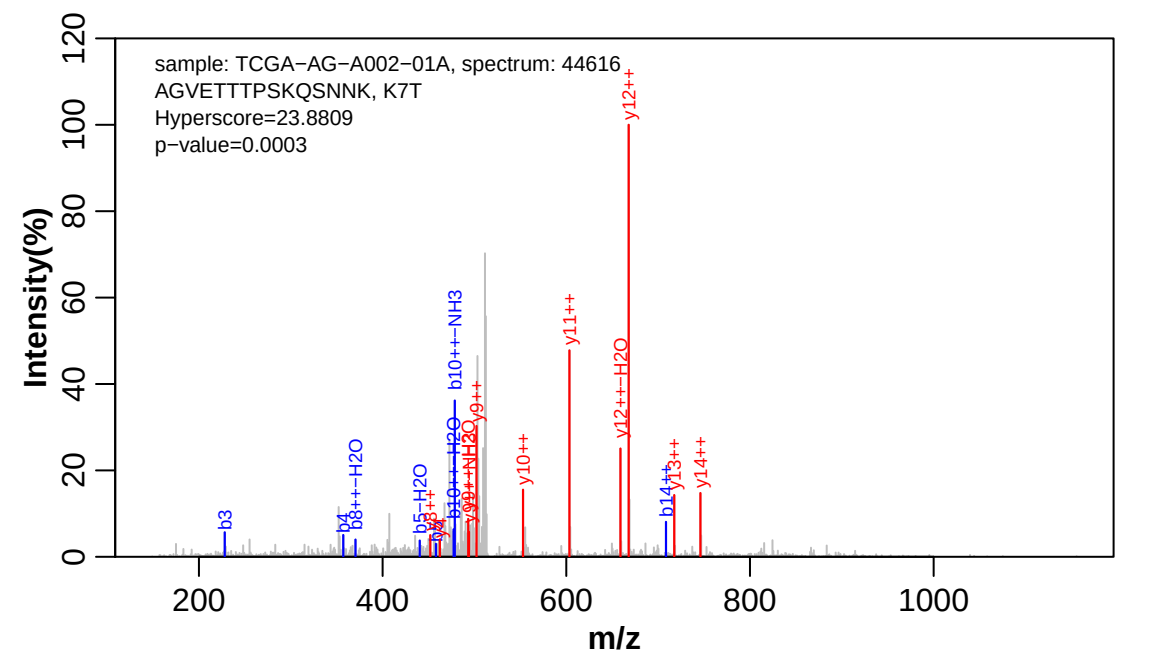

sample: TCGA−AG−4007−01A, spectrum: 54979
VLSTTNAER, D6N
Hyperscore=18.3707
p−value=0.0006
Intensity(%)
m/z
y1
b2
b4
y4
y5
b7−NH3
y6
y7

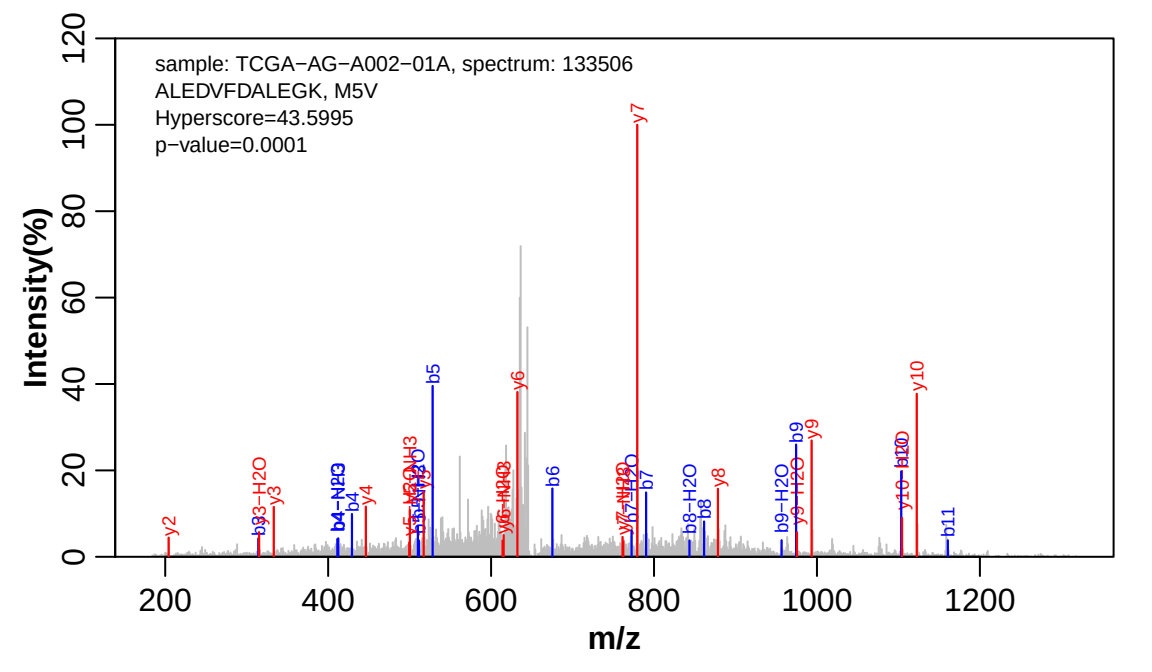

sample: TCGA−AG−4007−01A, spectrum: 91358
VPSFETAEGLGAELK, T12A
Hyperscore=33.6094
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
b4−H2O
y4
y5
b5
b6−NH3
b6
y7
b7−H2O
b7
y8
b8
y9
b9
y10
b10−H2O
b10
b11
y11
y12−NH3
y12
b13
y13−H2O
y13
b14

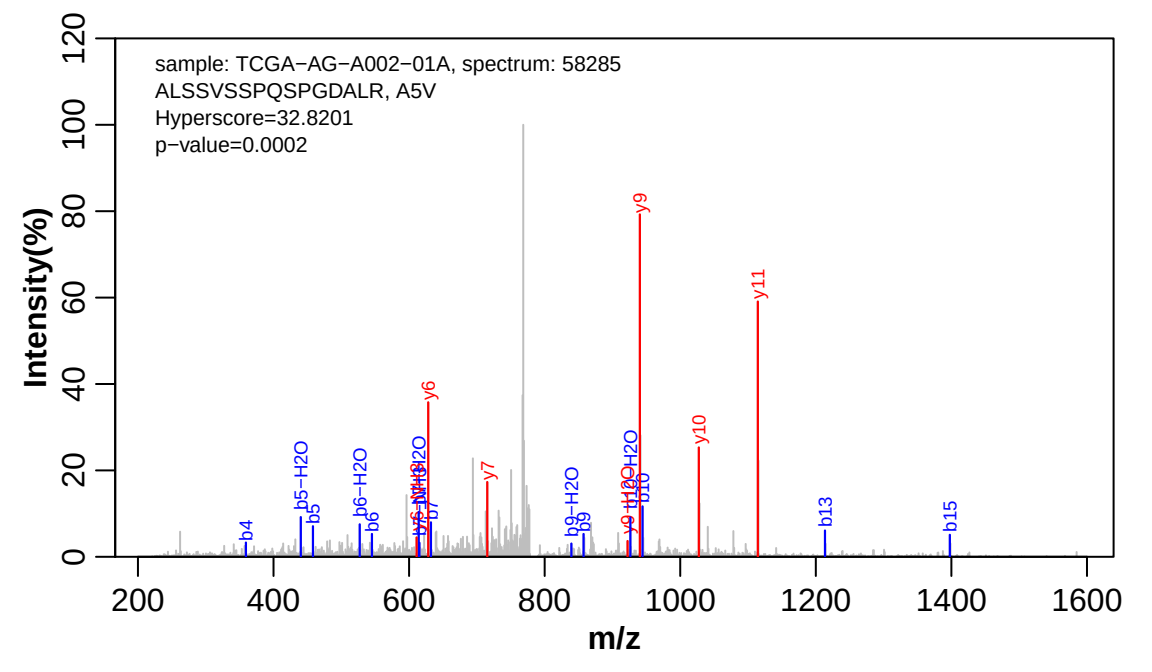

sample: TCGA−AG−4007−01A, spectrum: 60783
VQLPTESLQELLDLHR, T7S
Hyperscore=15.5043
p−value=0.0001
y14++
y13++
b2
b3
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

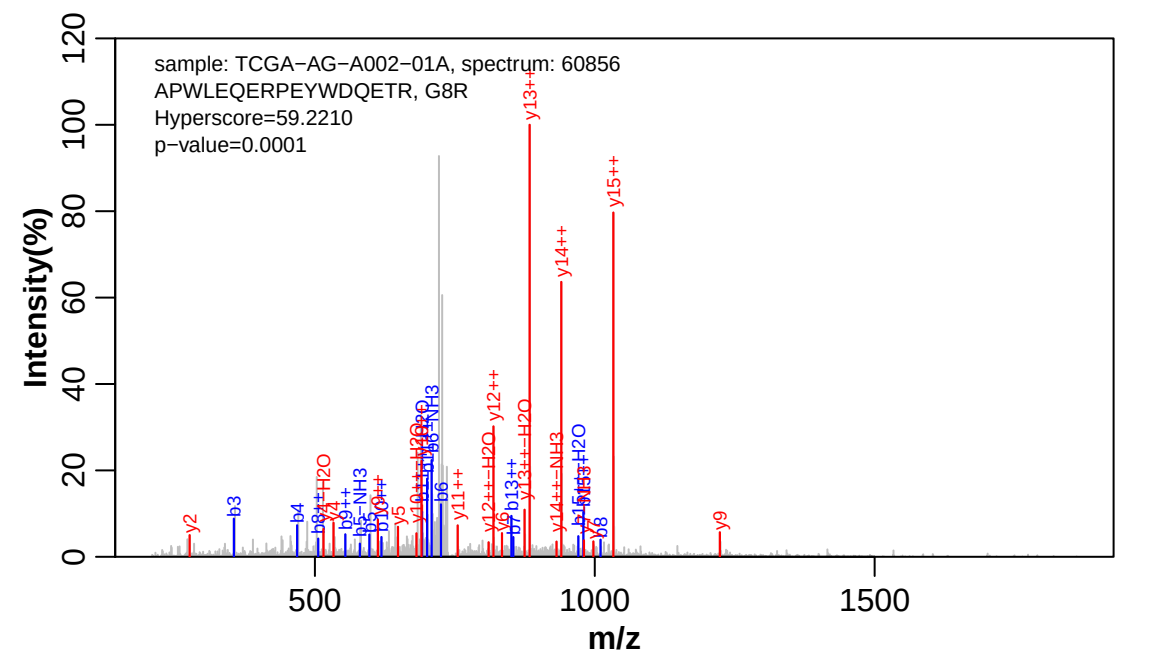

sample: TCGA−AG−A002−01A, spectrum: 6432
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=94.7141
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b25++
b9
b8
b7
b7−H2O
b6
b5
b4
y6
y5
y4
y3
y13
y12
b16−NH3
b13−H2O
b26++
b28++−H2O
b21++
b11−NH3

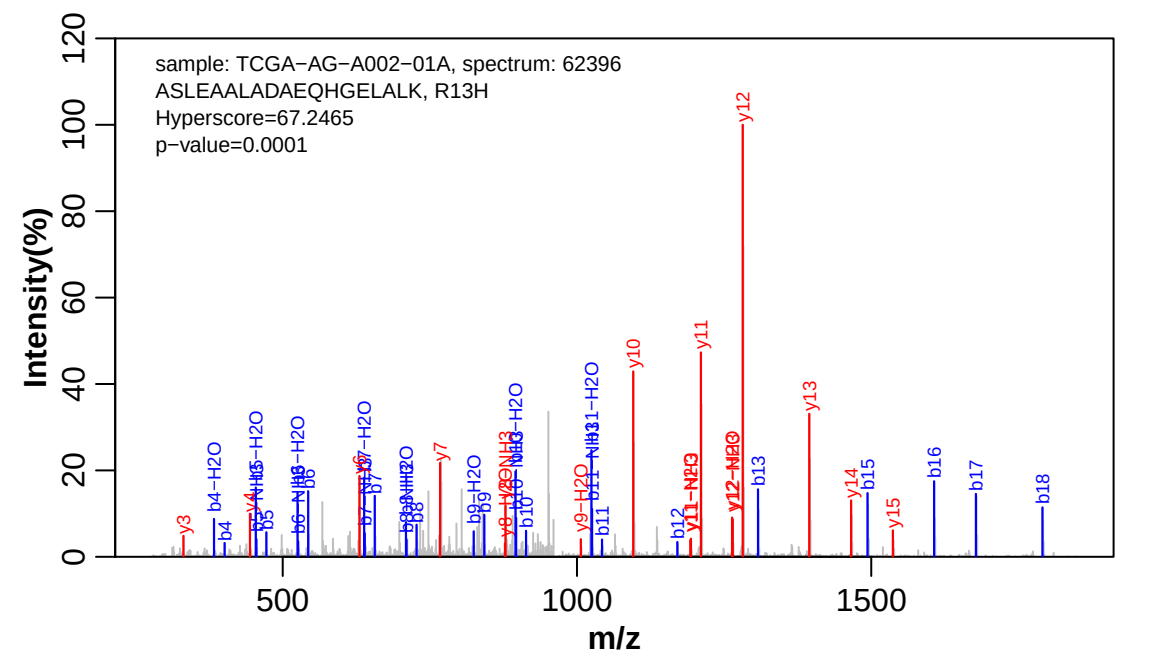

sample: TCGA−AG−A002−01A, spectrum: 44820
AGVETTTPSK, K7T
Hyperscore=25.8298
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7

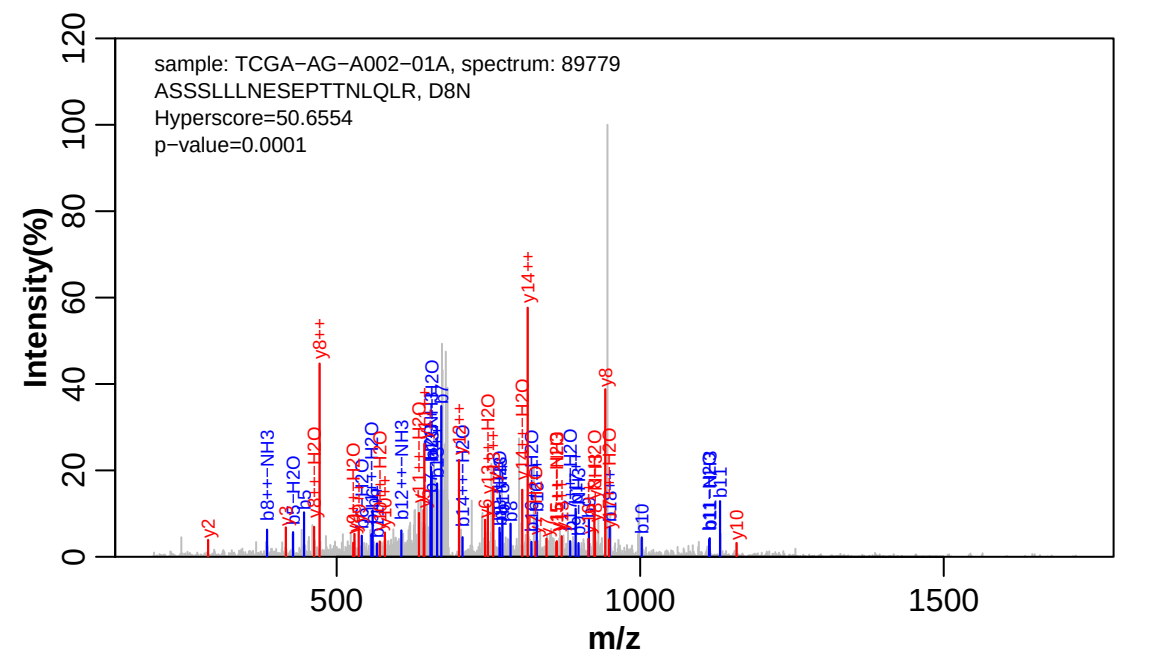

sample: TCGA−AG−A002−01A, spectrum: 44616
AGVETTTPSKQSNNK, K7T
Hyperscore=23.8809
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
b4
b8++−H2O
b5−H2O
b5
b6++
b6
b10++−H2O
b10++−NH3
y9++−NH3
y9++−H2O
y9++
y10++
y11++
y12++−H2O
y12++
b14++
y13++
y14++

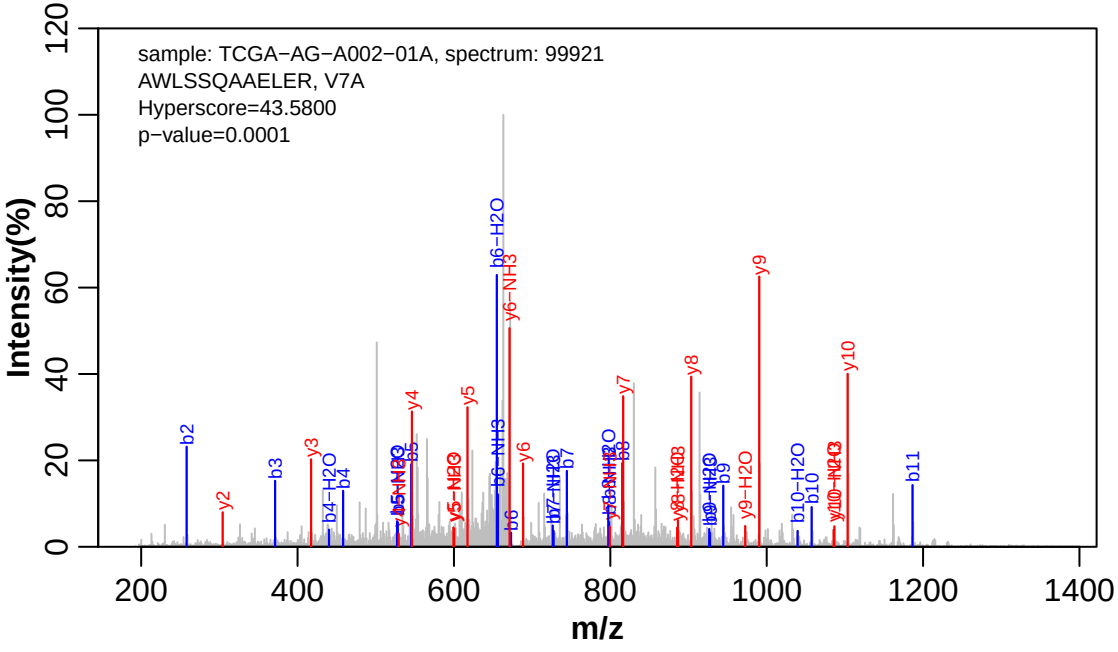

sample: TCGA−AG−A002−01A, spectrum: 133506
ALEDVFDALEGK, M5V
Hyperscore=43.5995
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4
y4
b5
y6
b6
b7
b8−H2O
b8
y8
b9−H2O
y9−H2O
b9
y9
y10−H2O
y10
b11
y7

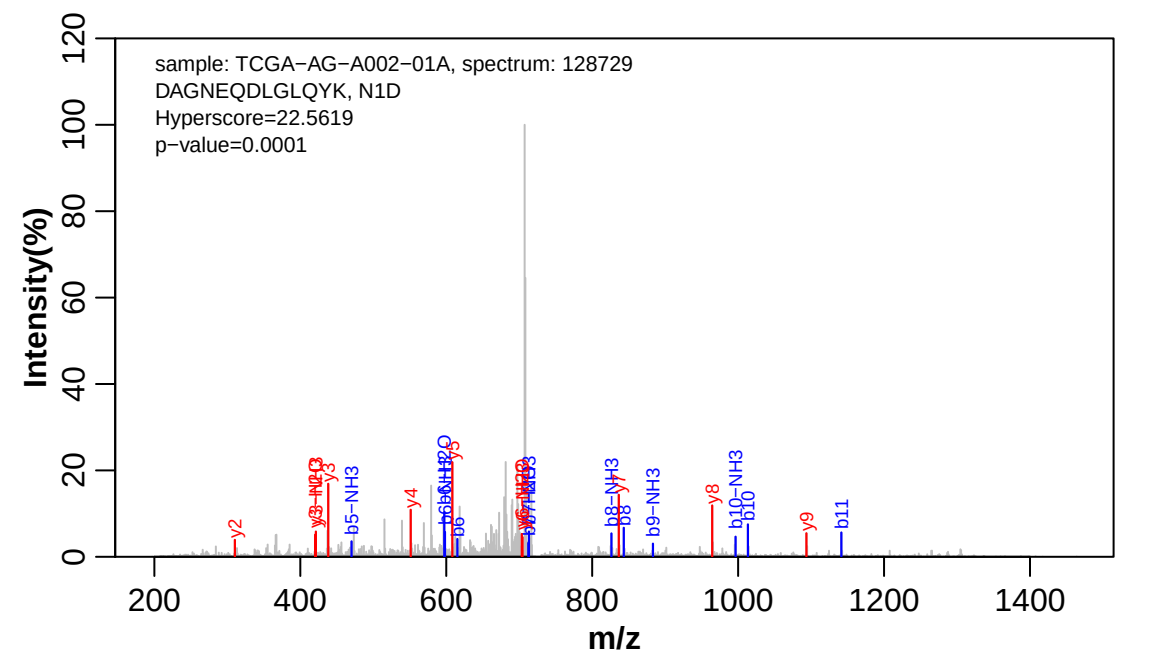

sample: TCGA−AG−A002−01A, spectrum: 58285
ALSSVSSPQSPGDALR, A5V
Hyperscore=32.8201
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4
b5−H2O
b5
b6−H2O
b6
y6
y7
b8−H2O
b9
y9
y9−H2O
b10
y10
y11
b13
b15

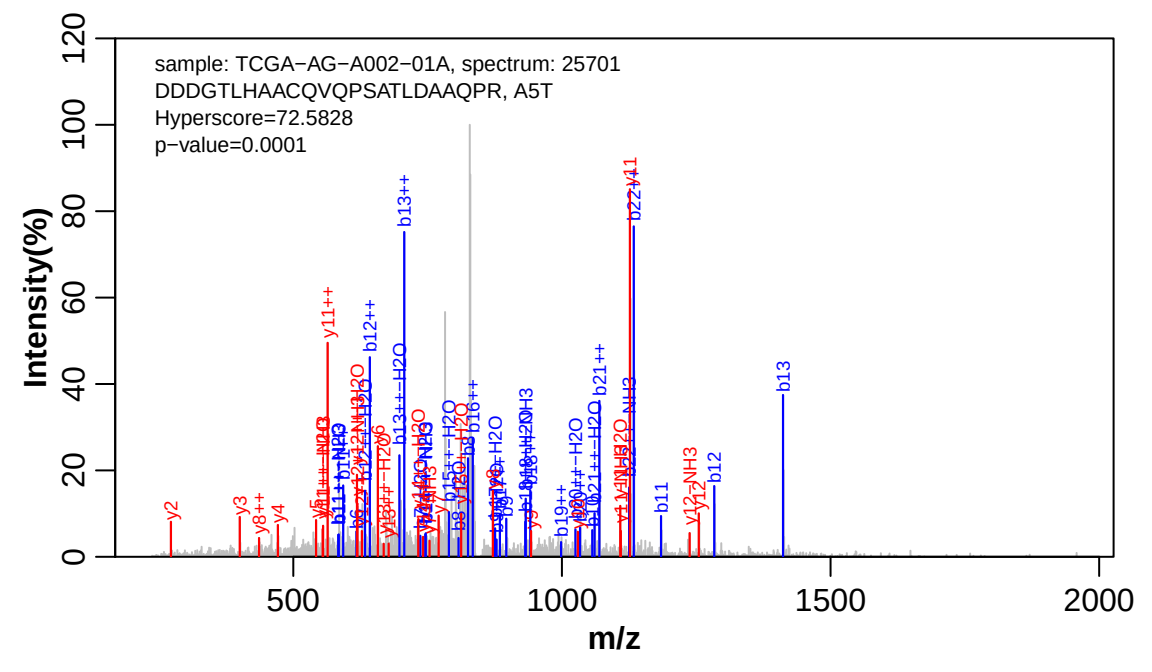

sample: TCGA−AG−A002−01A, spectrum: 60856
APWLEQERPEYWDQETR, G8R
Hyperscore=59.2210
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y13++
y15++
y14++
y12++
y11++
y2
b3
b4
y9
y8
y7
y6
y5
b6
b7
b8
b9++
b5−NH3
y12++−H2O
y13++−H2O
y14++−NH3

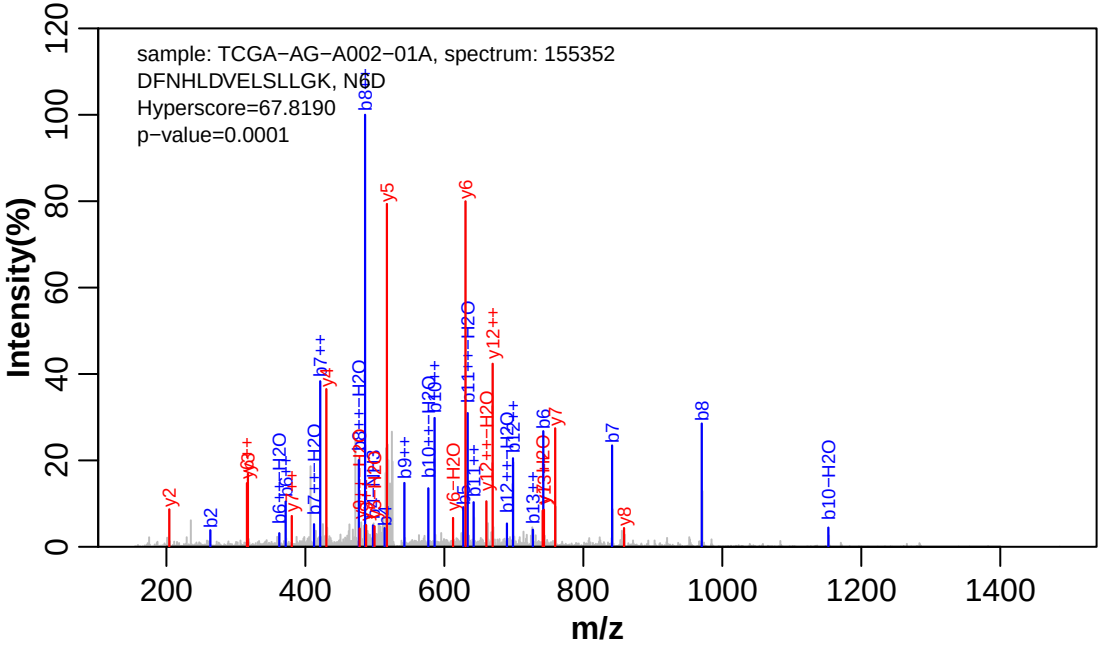

sample: TCGA−AG−A002−01A, spectrum: 62396
ASLEAALADAEQHGELALK, R13H
Hyperscore=67.2465
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y11
y10
y13
y7
y14
y15
b16
b17
b18
b15
b13
b4−H2O
y3
y4
y9−H2O
y8−H2O
b9−H2O
b11−H2O
b6−H2O
b7−H2O
b5−H2O
b4
b12

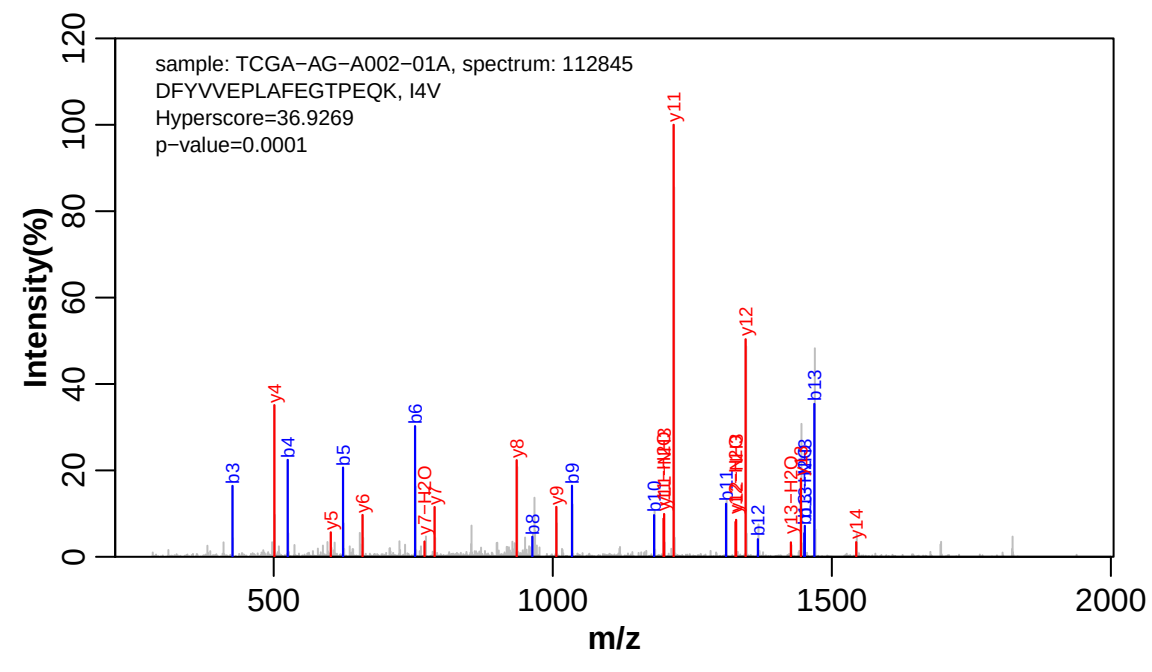

sample: TCGA−AG−A002−01A, spectrum: 89779
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=50.6554
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
b8++−NH3
y8−H2O
y8++
y8++−H2O
b12++−NH3
b14++−H2O
y14++
y8
b10
b11−NH3
b11
y10

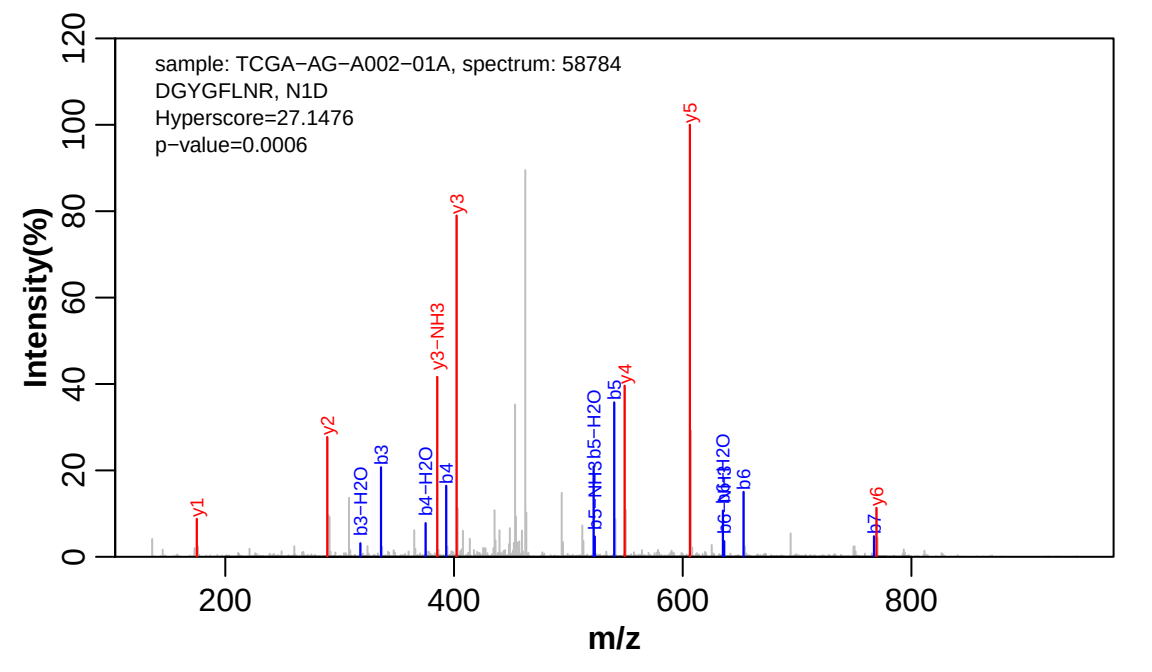

sample: TCGA−AG−A002−01A, spectrum: 99921
AWLSSQAAELER, V7A
Hyperscore=43.5800
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4−H2O
b4
y4
y5
b6−H2O
y6−NH3
b6−NH3
y6
b7
y7
b8
y8
y9
y9−H2O
b10−H2O
b10
y10
b11

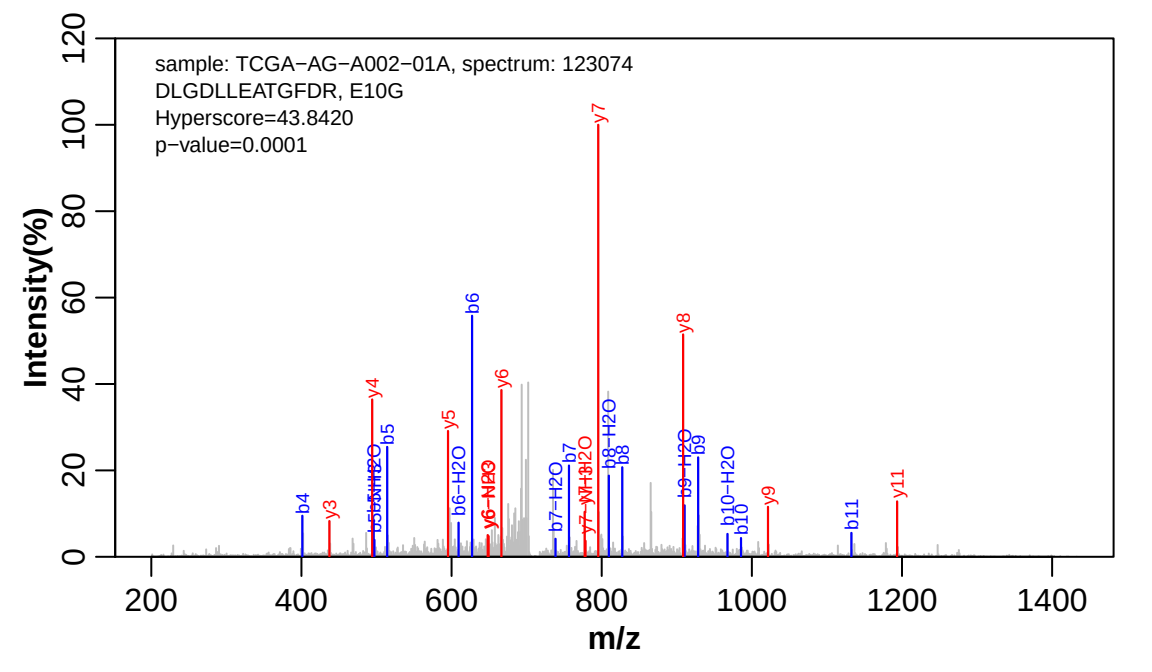

sample: TCGA−AG−A002−01A, spectrum: 128729
DAGNEQDLGLQYK, N1D
Hyperscore=22.5619
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
y2
y3−NH3
y3
b5−NH3
y4
b6
y5
b8−NH3
y7
b8
b9−NH3
y8
b10−NH3
b10
y9
b11

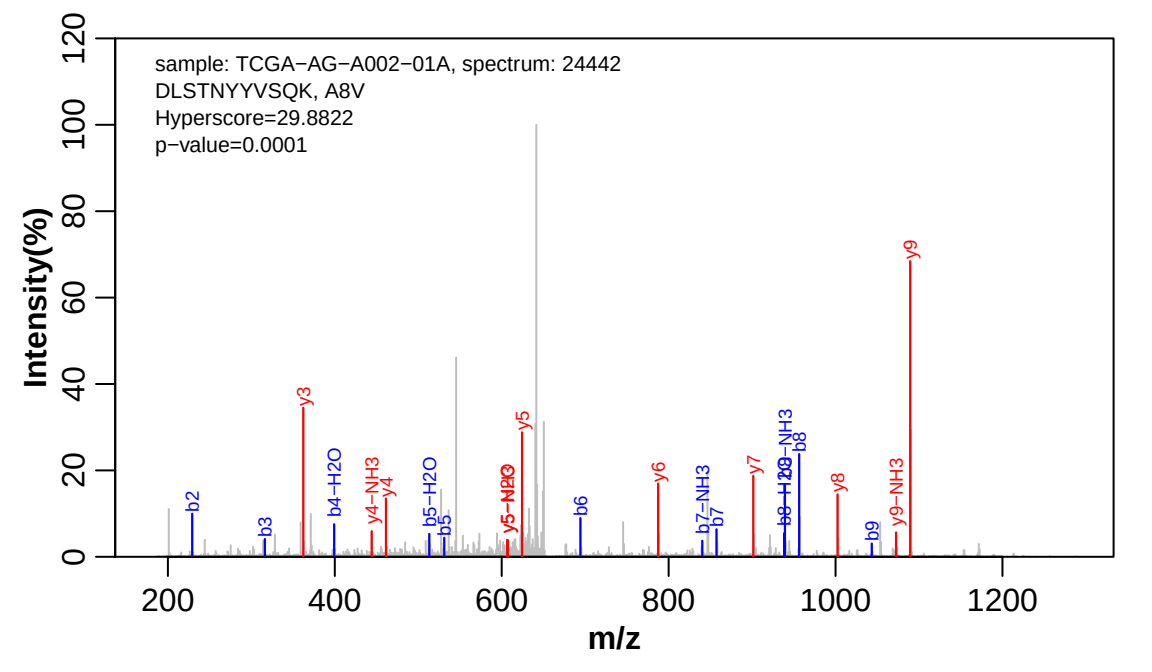

sample: TCGA−AG−A002−01A, spectrum: 25701
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=72.5828
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y8++
y4
y11++
b12++
b13++
b13++ − H2O
b22++
y11
b21++
b21++ − H2O
b13
b11
b12
y12 − NH3
b19++
b10++
b10++ − H2O
b10++ − NH3

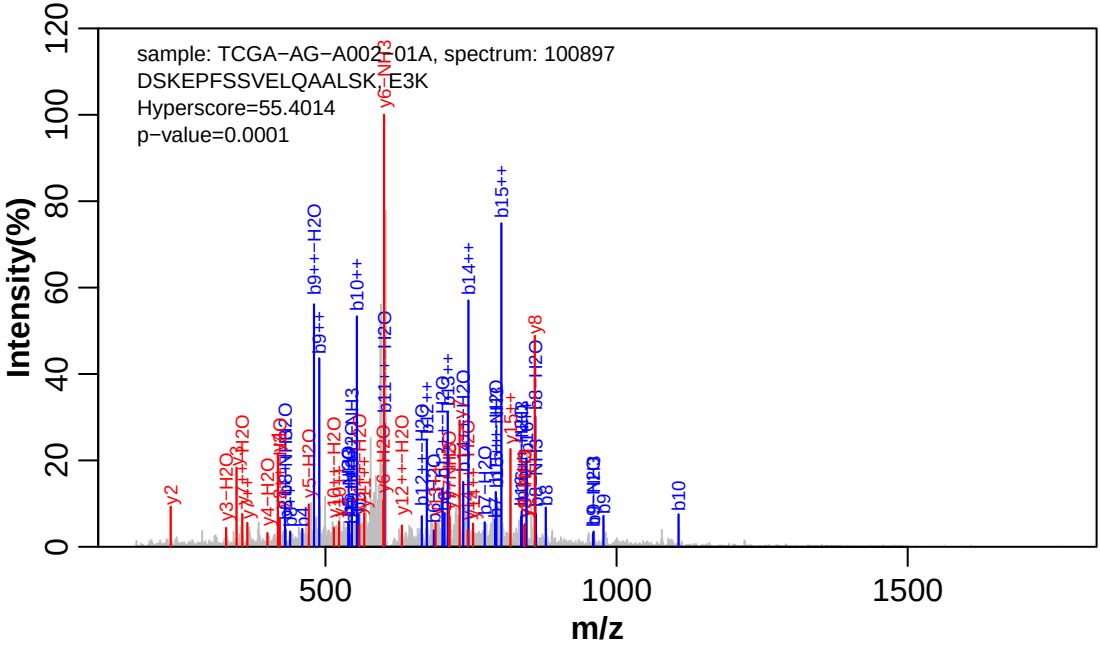

sample: TCGA−AG−A002−01A, spectrum: 155352
DFNHLDVELSLLGK, N6D
Hyperscore=67.8190
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b8++
y5
y6
y12++
b7++
y4++
b10++−H2O
b11++−H2O
y12++−H2O
b8
b7
y7
b6
y8
b10−H2O
y2
b2
y3++
b6++−H2O
b7++−H2O
b9++
b10++
y6−H2O
b12++−H2O
b13++−H2O
y13++−H2O

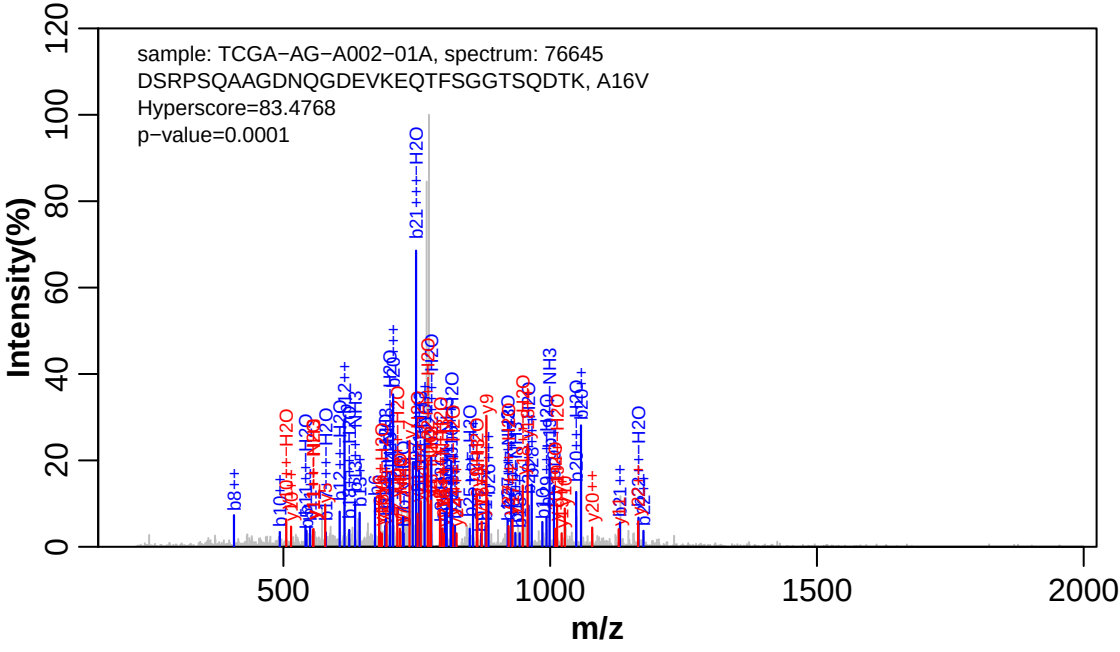

sample: TCGA−AG−A002−01A, spectrum: 112845
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=36.9269
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
b5
y5
y6
b6
y7−H2O
y7
y8
b8
y9
b9
b10
y11
y12
b12
b13
y13−H2O
y14

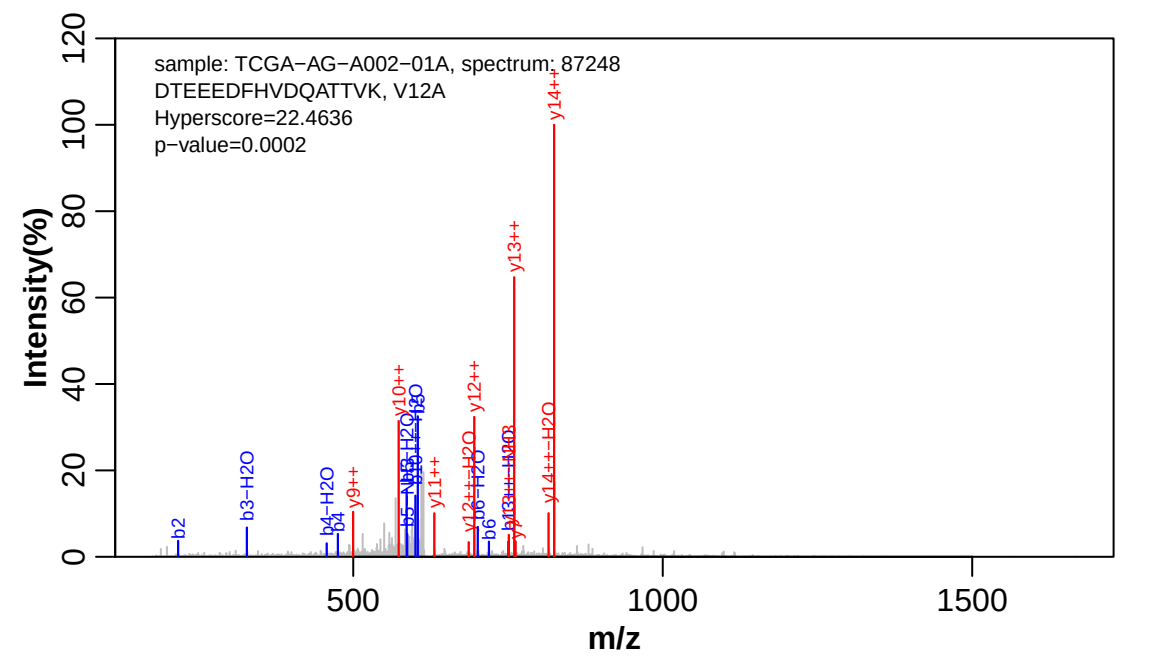

sample: TCGA−AG−A002−01A, spectrum: 58784
DGYGFLNR, N1D
Hyperscore=27.1476
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−NH3
b6−H2O
b6
b7
y6

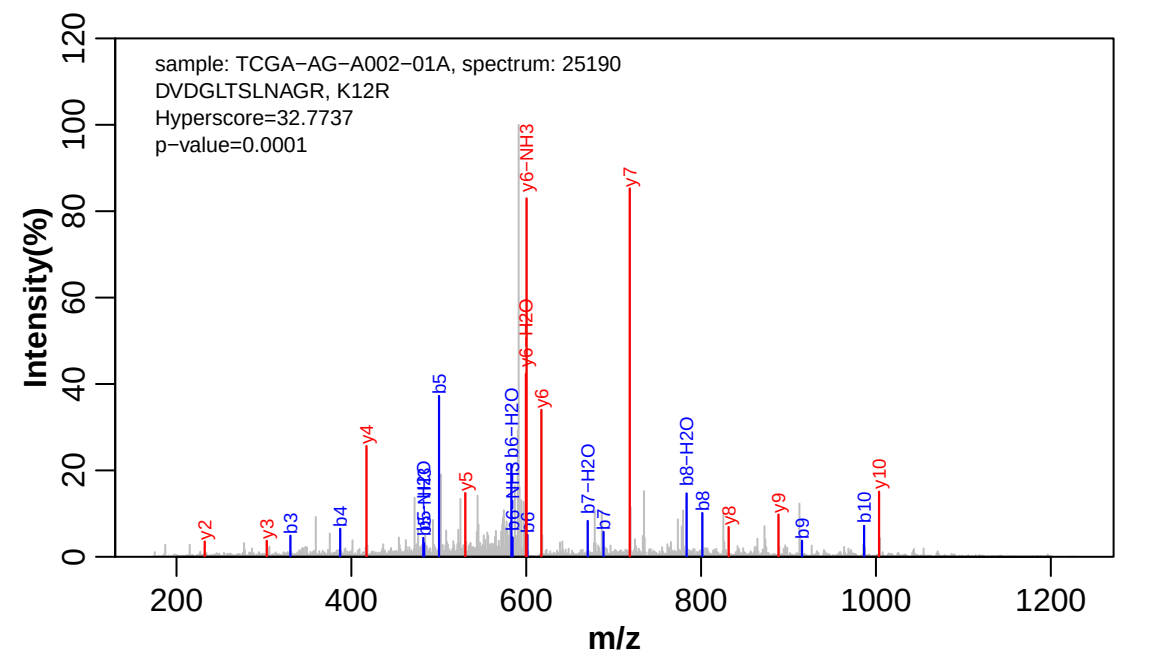

sample: TCGA−AG−A002−01A, spectrum: 123074
DLGDLLEATGFDR, E10G
Hyperscore=43.8420
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4
y3
y4
b5
b6
y5
b6−H2O
y6
b7−H2O
b7
b8−H2O
b8
y7
y8
b9−H2O
b9
b10−H2O
b10
y9
b11
y11

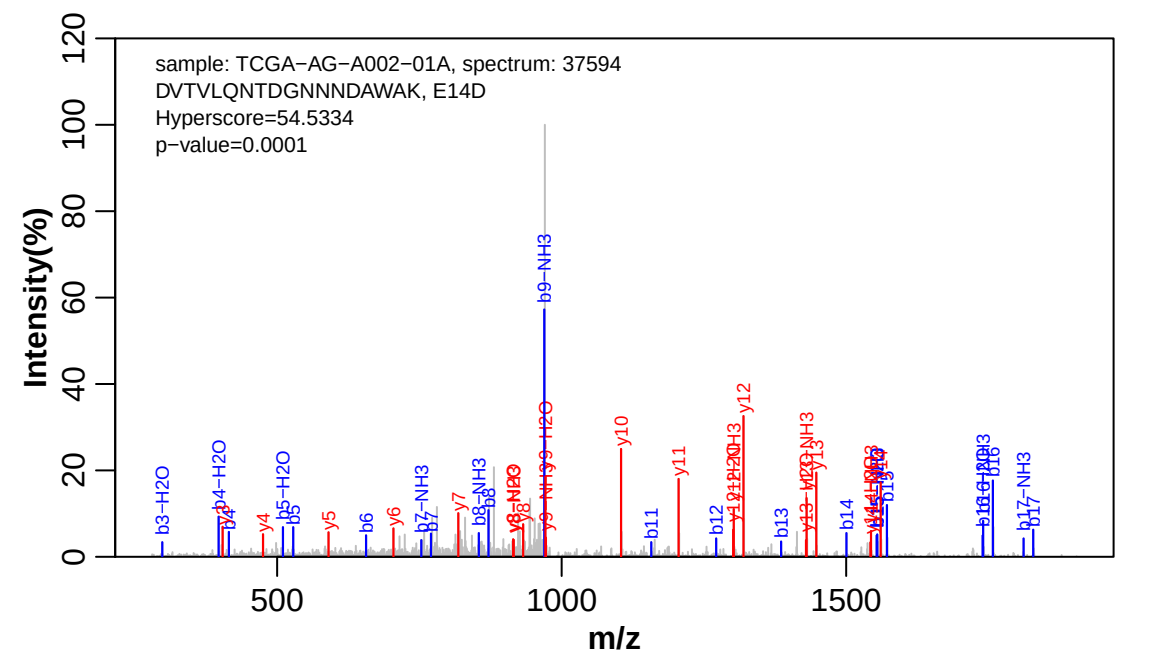

sample: TCGA−AG−A002−01A, spectrum: 24442
DLSTNYYVSQK, A8V
Hyperscore=29.8822
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4−H2O
y4−NH3
y4
b5−H2O
b5
y5−NH3
y5
b6
y6
b7−NH3
b7
y7
b8−H2O
b8−NH3
b8
y8
b9
y9−NH3
y9

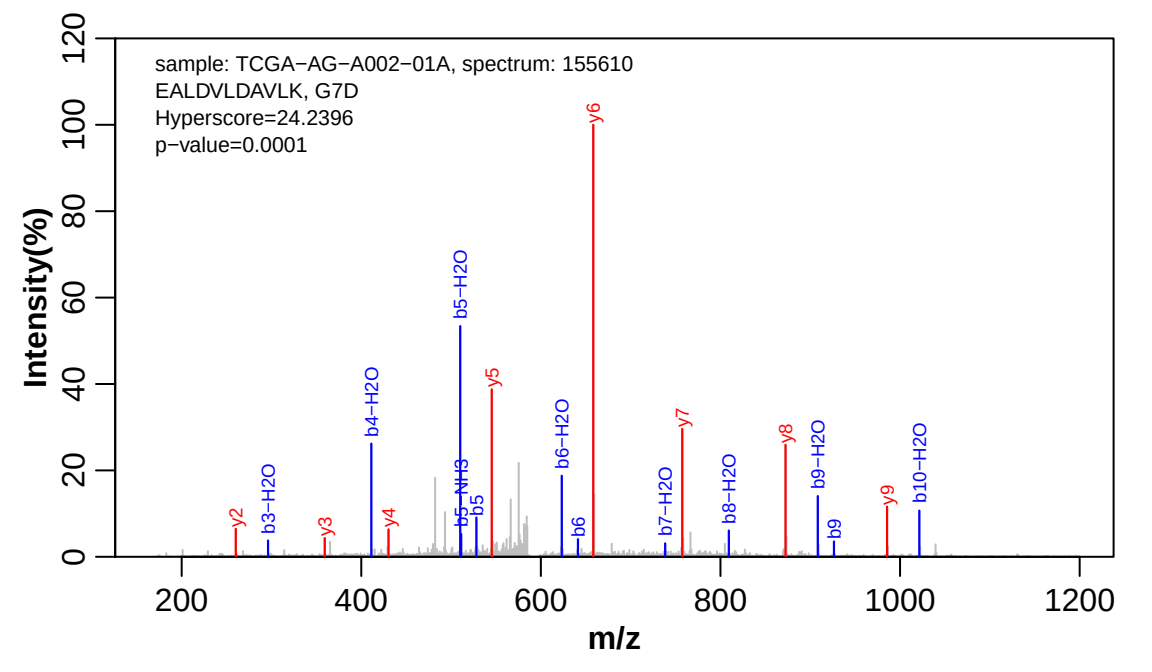

sample: TCGA−AG−A002−01A, spectrum: 100897
DSKEPFSSVELQAALSK_E3K
Hyperscore=55.4014
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3−H2O
y4−H2O
y5−H2O
y6−NH3
y6−H2O
y8
y12++−H2O
b9++−H2O
b9++
b10++
b11++−H2O
b14++
b15++
b10

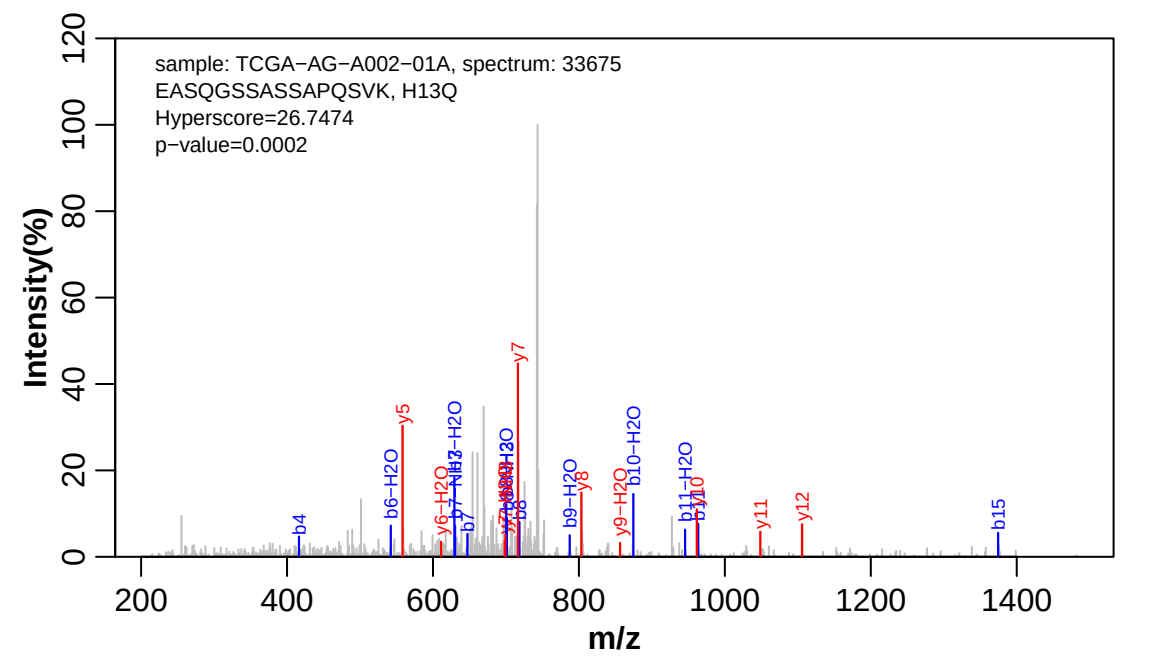

sample: TCGA−AG−A002−01A, spectrum: 76645
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=83.4768
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
b8++
b21+++−H2O
y20++
b20++
y21++
b22++−H2O

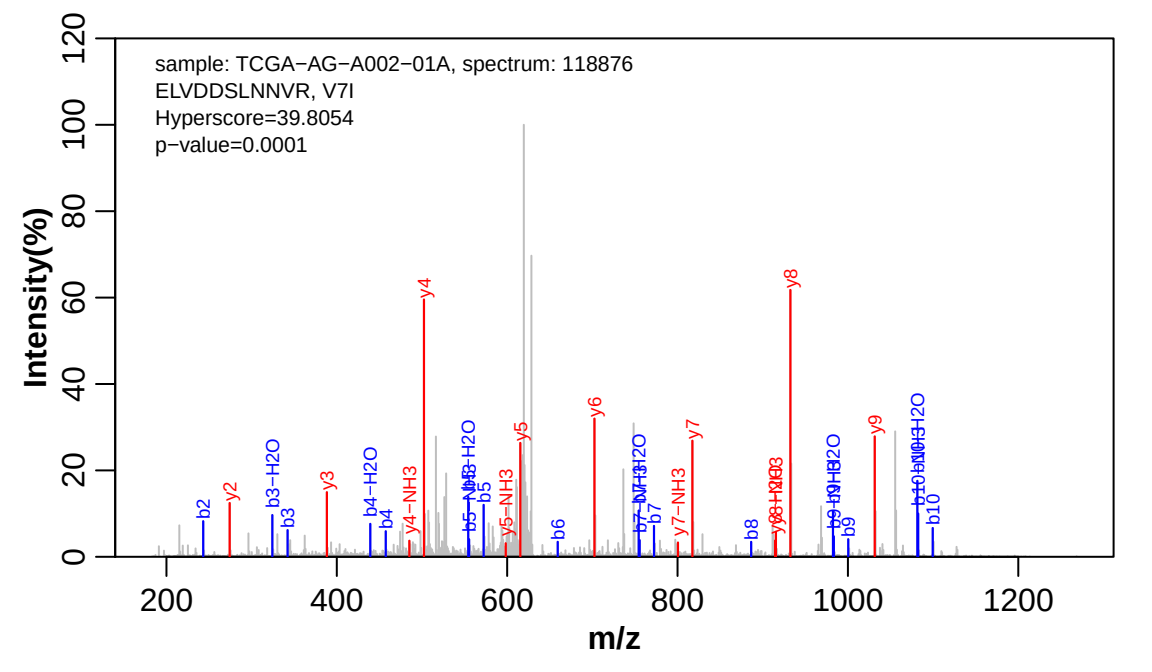

sample: TCGA−AG−A002−01A, spectrum: 87248
DTEEEDFHVDQATTVK, V12A
Hyperscore=22.4636
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3−H2O
b4−H2O
b4
y9++
y10++
y11++
y12++−H2O
y12++
b6−H2O
y13++
y13++−H2O
y14++−H2O
y14++

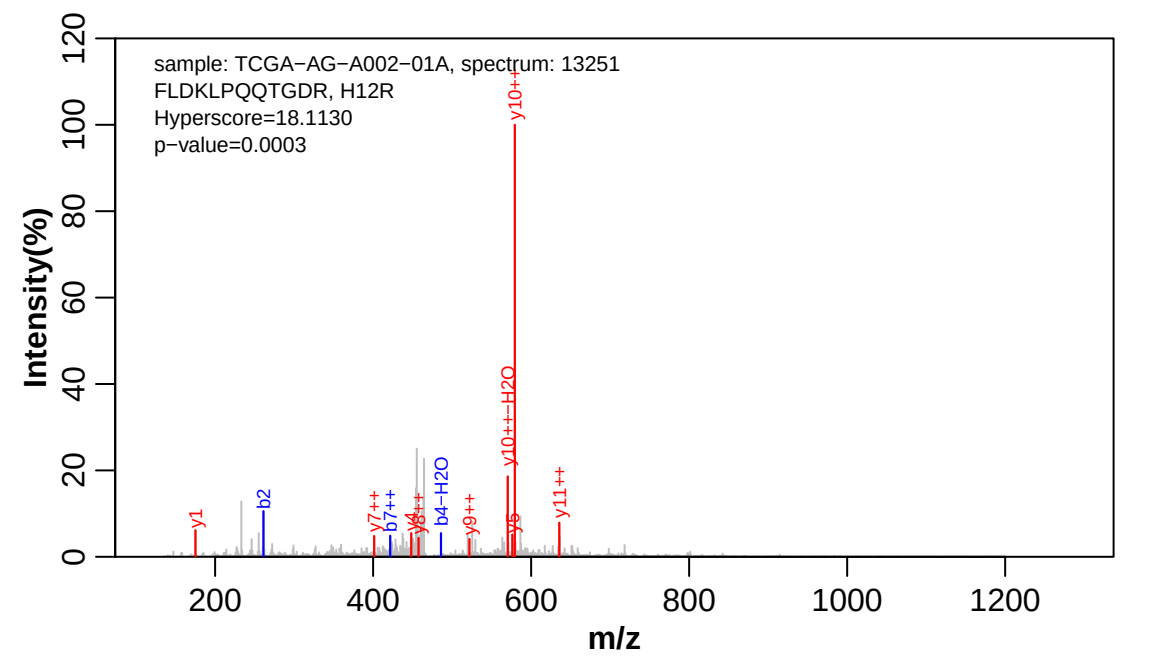

sample: TCGA−AG−A002−01A, spectrum: 25190
DVDGLTSLNAGR, K12R
Hyperscore=32.7737
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y3
b3
b4
y4
b5
y5
b6−NH3
b6−H2O
b6
y6−NH3
y6−H2O
y6
b7−H2O
b7
y7
b8−H2O
b8
y8
y9
b9
b10
y10

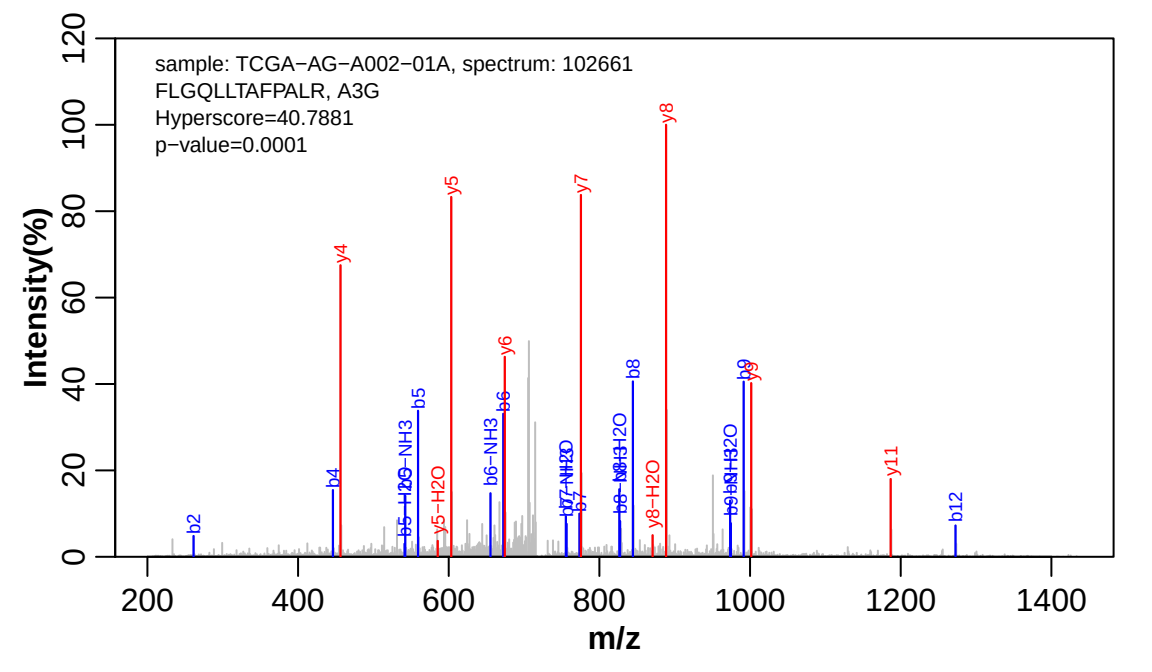

sample: TCGA−AG−A002−01A, spectrum: 37594
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=54.5334
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b4−H2O
b5−H2O
y4
y5
b6
y6
b7−NH3
y7
b8−NH3
b9−NH3
y10
b11
y11
b12
b13
b14
b17−NH3

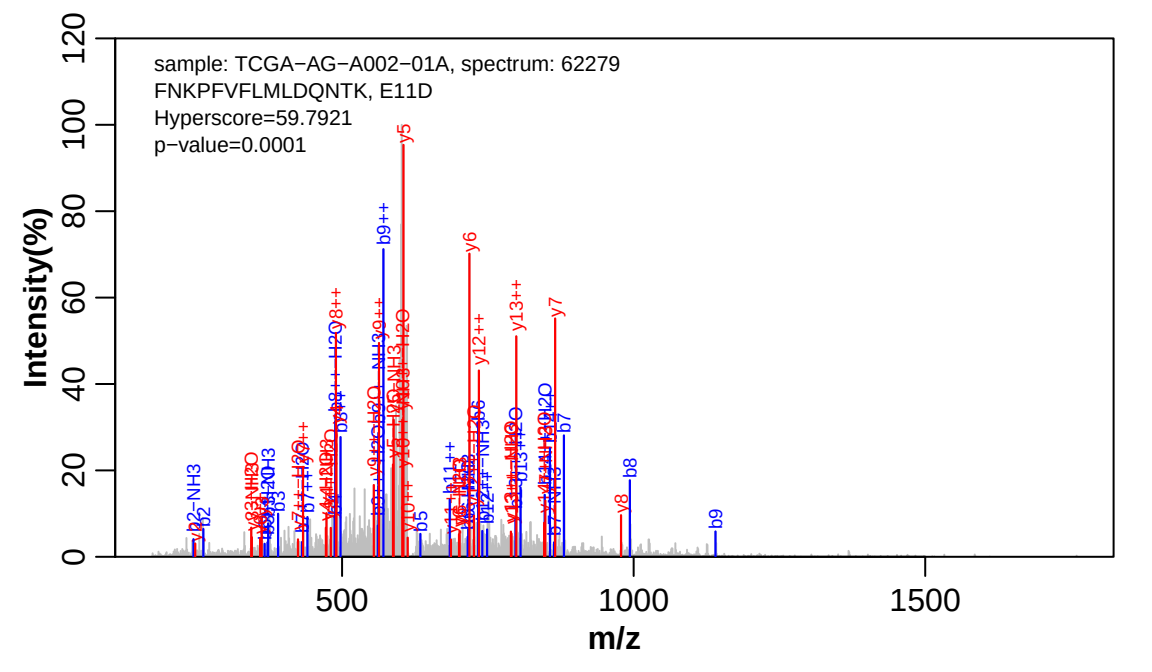

sample: TCGA−AG−A002−01A, spectrum: 155610
EALDVLDAVLK, G7D
Hyperscore=24.2396
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
y4
b5−NH3
b5
b5−H2O
y5
b6
b6−H2O
y6
b7−H2O
y7
b8−H2O
y8
b9
b9−H2O
y9
b10−H2O

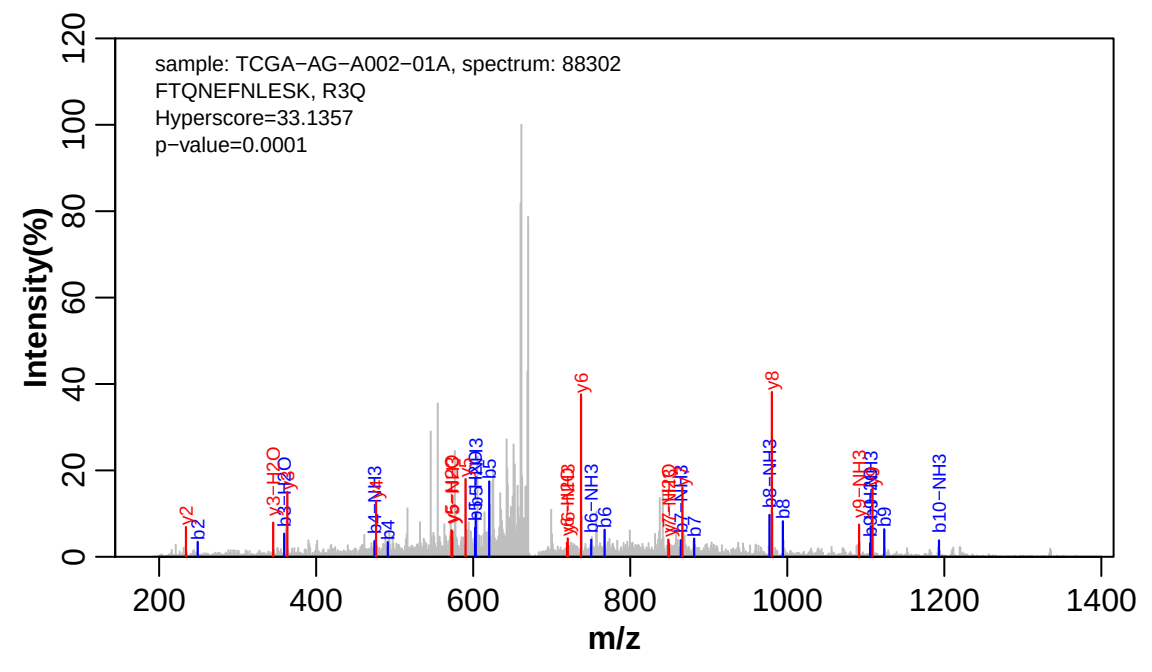

sample: TCGA−AG−A002−01A, spectrum: 33675
EASQGSSASSAPQSVK, H13Q
Hyperscore=26.7474
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4
b6−H2O
y5
y6−H2O
b7−NH3−H2O
b7
y7
b8
b9−H2O
y8
y9−H2O
b10−H2O
b11−H2O
b11
b10
y11
y12
b15

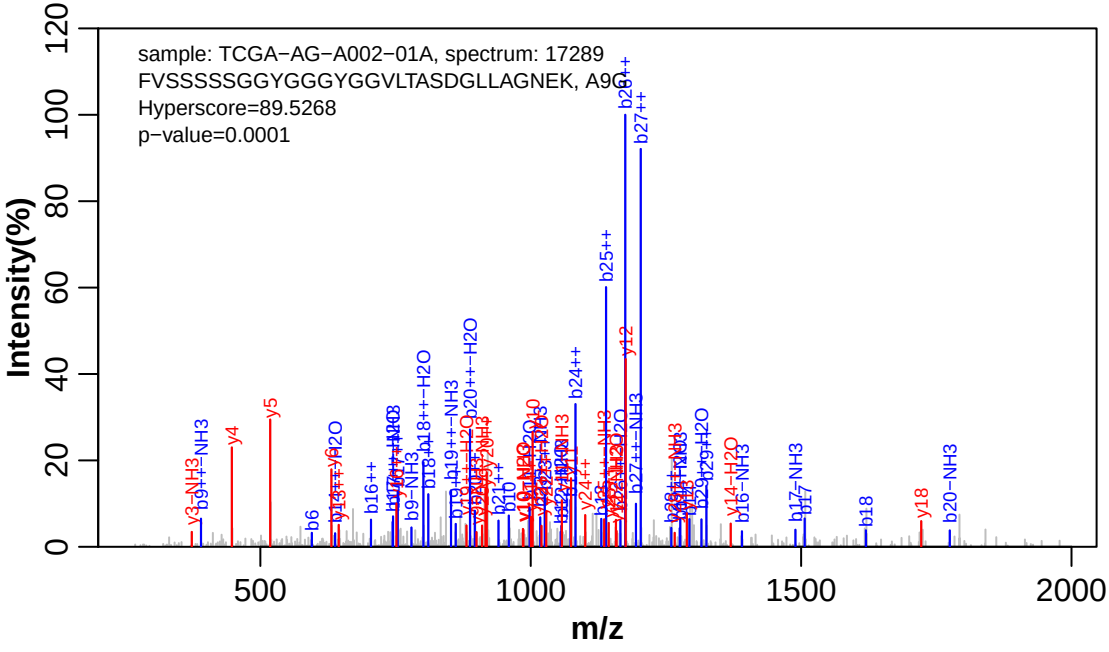

sample: TCGA−AG−A002−01A, spectrum: 118876
ELVDDSLNNVR, V7I
Hyperscore=39.8054
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
b5−NH3
b5−H2O
b5
y5−NH3
y5
b6
y6
b7−NH3
b7−H2O
b7
y7−NH3
y7
b8
y8
b9−NH3
b9−H2O
b9
y9
b10−NH3
b10−H2O
b10

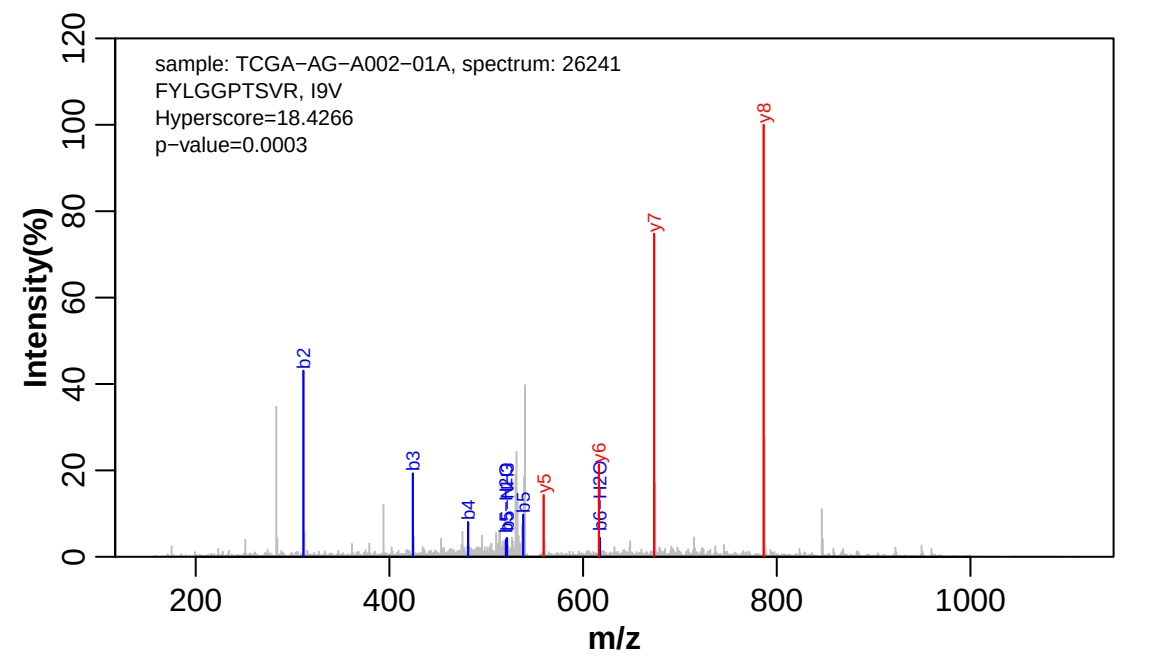

sample: TCGA−AG−A002−01A, spectrum: 13251
FLDKLPQQTGDR, H12R
Hyperscore=18.1130
p−value=0.0003
Intensity(%)
m/z
y10++
y10++−H2O
y11++
y1
b2
y7++
b7++
y8++
b4−H2O
y9++
y6

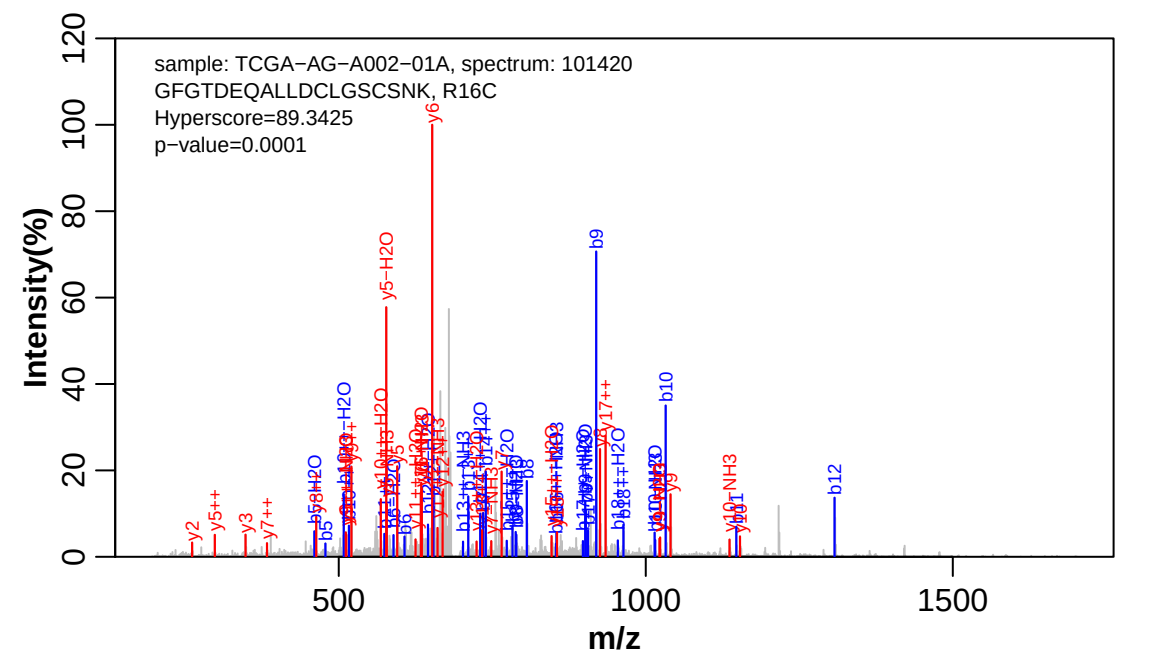

sample: TCGA−AG−A002−01A, spectrum: 102661
FLGQLLTAFPALR, A3G
Hyperscore=40.7881
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b4
y4
b5
y5
y5−H2O
b6−NH3
b6
y6
y7
b8
y8
y8−H2O
b9
y9
y11
b12

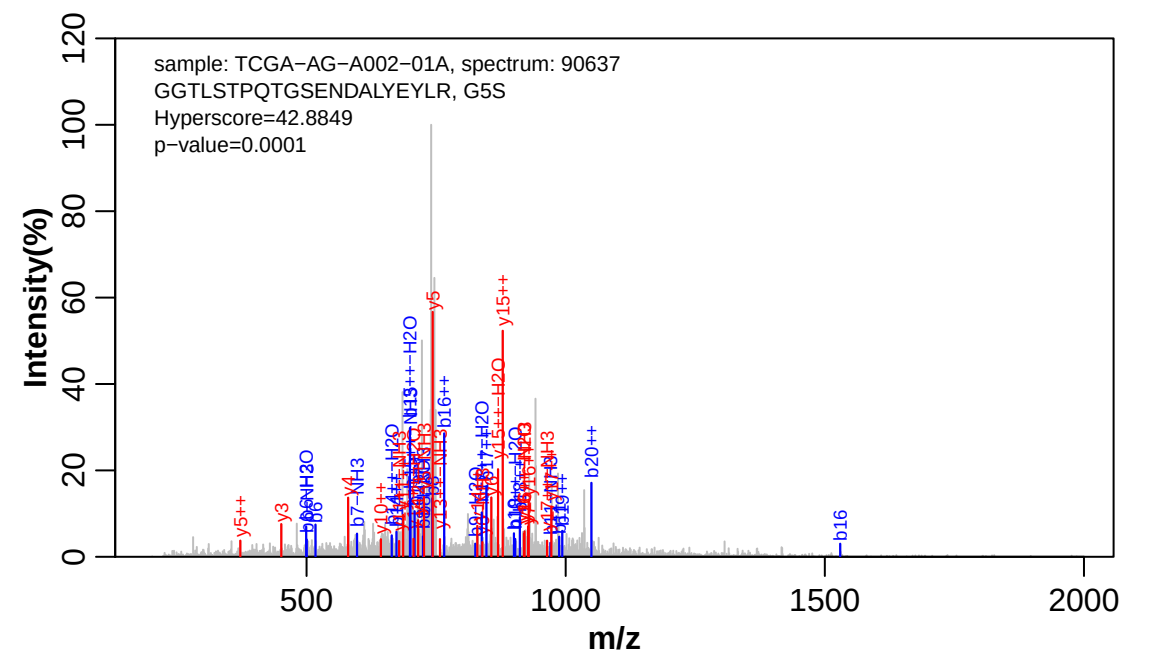

sample: TCGA−AG−A002−01A, spectrum: 62279
FNKPFVFLMLDQNTK, E11D
Hyperscore=59.7921
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
b9++
y6
y12++
y13++
y7
b8
b9
y8
b5
b7
y2−NH3
b2−NH3

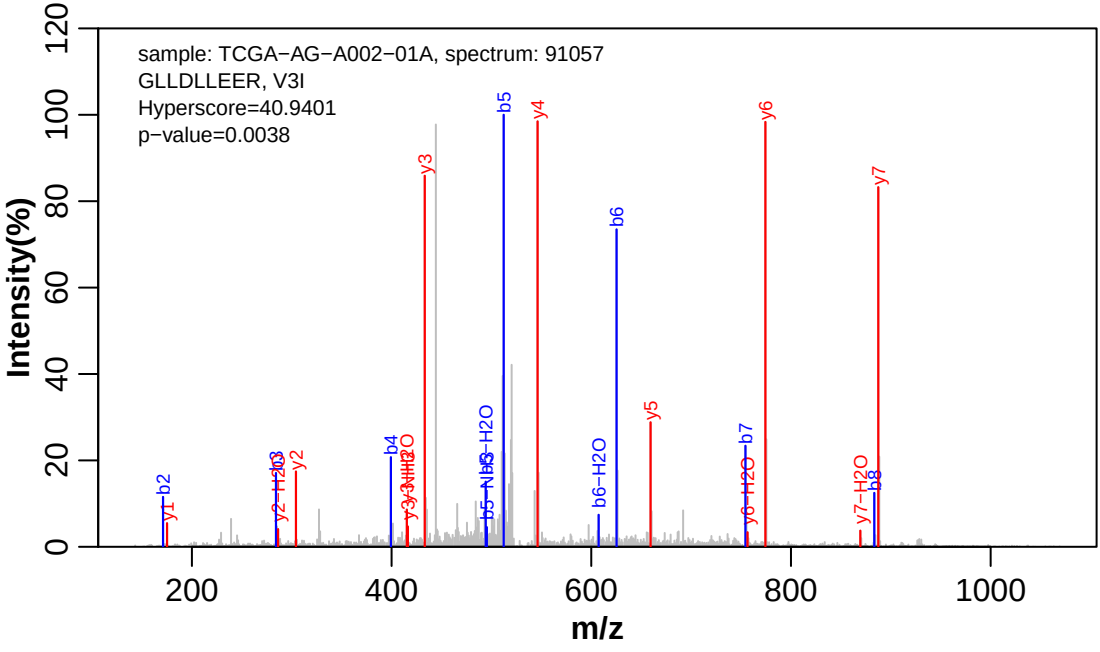

sample: TCGA−AG−A002−01A, spectrum: 88302
FTQNEFNLESK, R3Q
Hyperscore=33.1357
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b2
y3−H2O
b3−H2O
y3−NH3
b4−NH3
b4
y5−H2O
y5−NH3
b5−H2O
b5−NH3
b5
y6
y6−H2O
y6−NH3
b6−NH3
b6
y7−H2O
y7−NH3
b7−NH3
b7
y8
b8−NH3
b8
y8−NH3
b8−H2O
b8−NH3
b9
b10−NH3

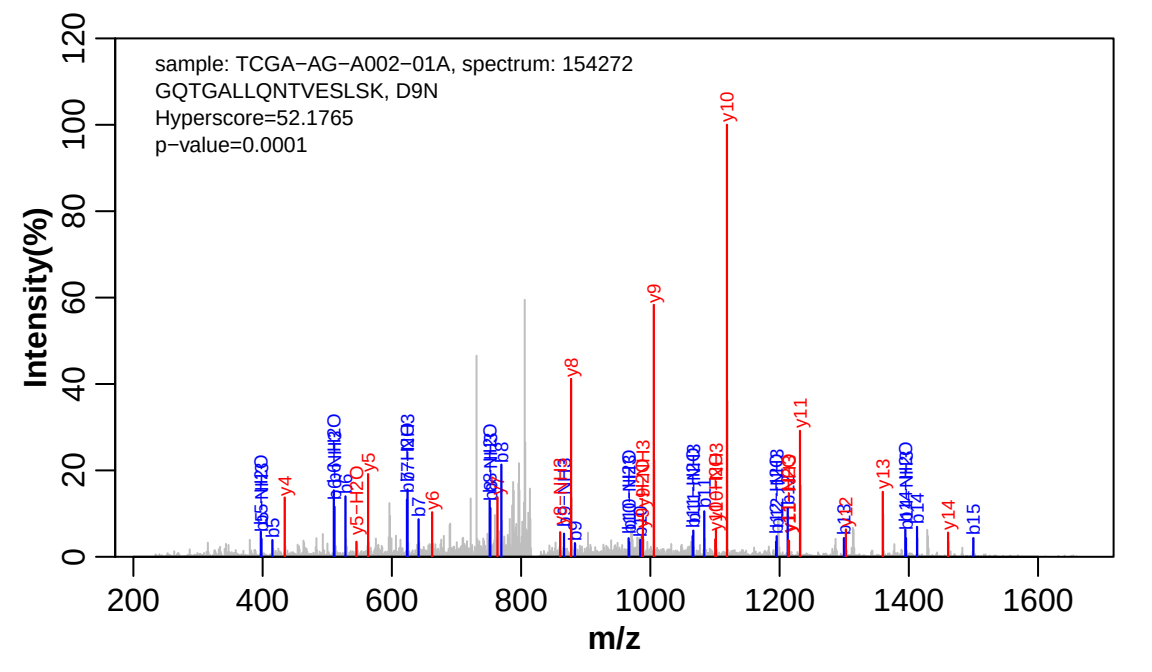

sample: TCGA−AG−A002−01A, spectrum: 17289
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=89.5268
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b28++
b27++
b25++
y12
b24++
b27++−NH3
b18++−H2O
b19++−NH3
b20++−H2O
y5
y4
y3−NH3
b9+−NH3
b6
b16++
b15++
b21++
b15
b29+−H2O
y14−H2O
b16−NH3
b17−NH3
b17
b18
y18
b20−NH3

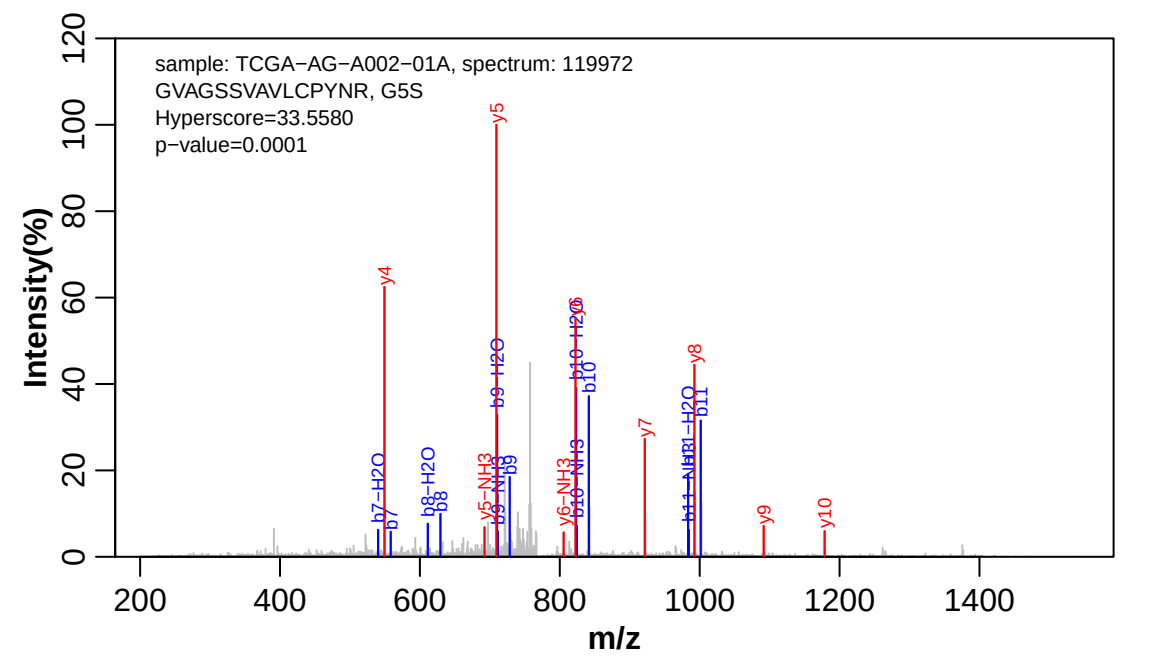

sample: TCGA−AG−A002−01A, spectrum: 26241
FYLGGPTSVR, I9V
Hyperscore=18.4266
p−value=0.0003
Intensity(%)
m/z
b2
b3
b4
b5
y5
y6
y7
y8
0
20
40
60
80
100
120
200
400
600
800
1000

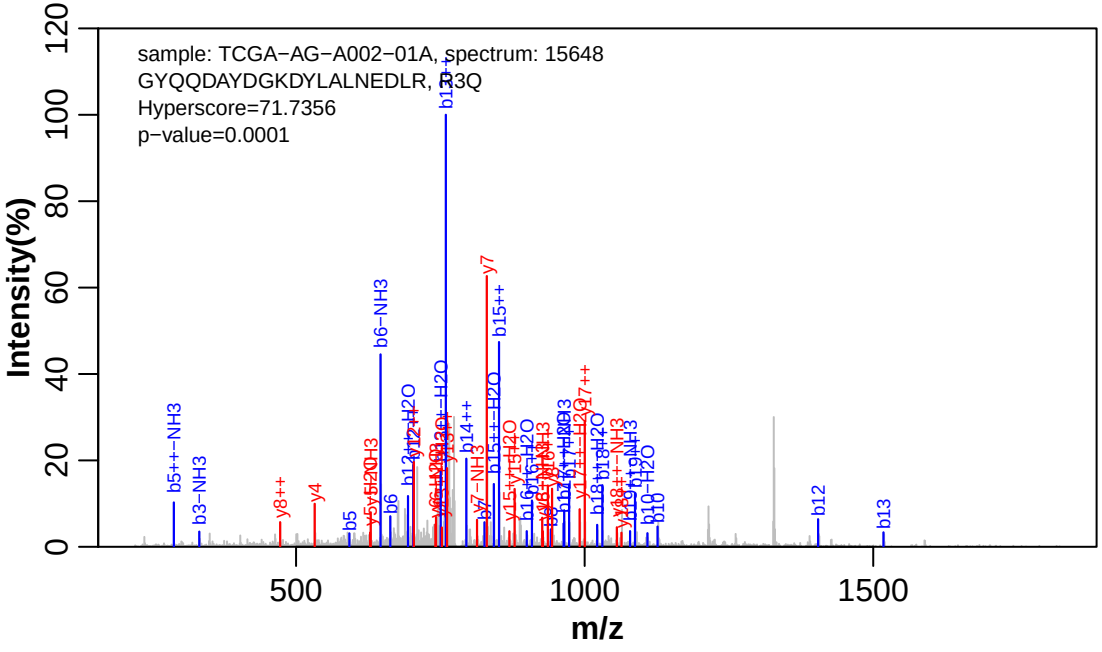

sample: TCGA−AG−A002−01A, spectrum: 101420
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=89.3425
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y2
y5++
y3
y7++
y17++
y10−NH3

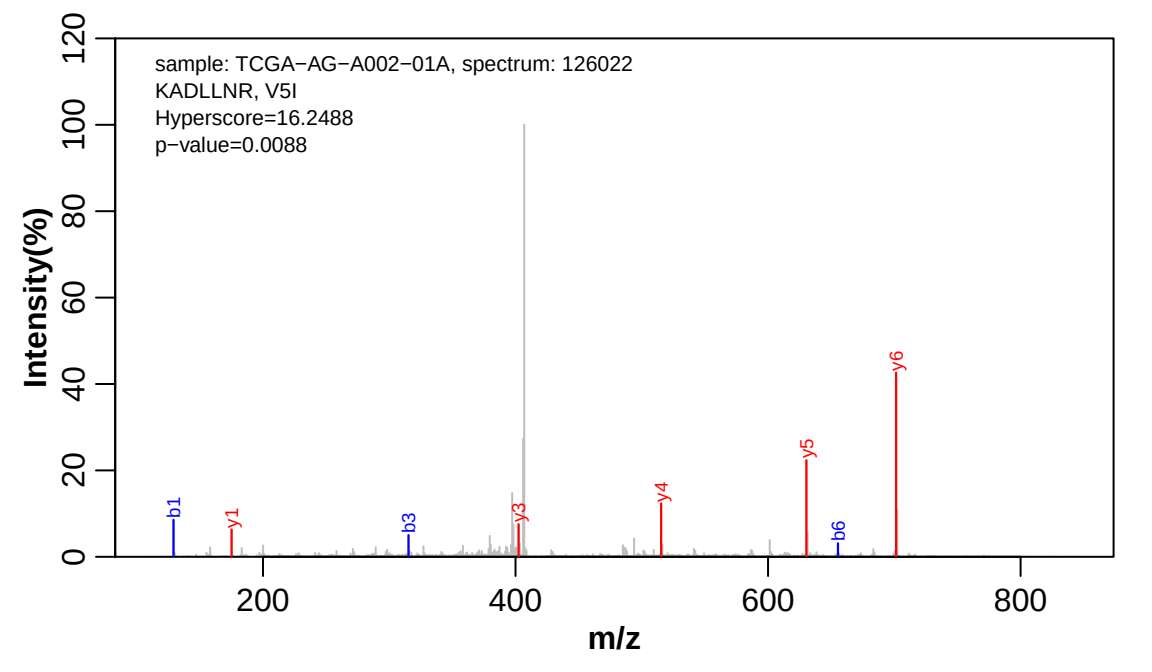

sample: TCGA−AG−A002−01A, spectrum: 90637
GGTLSTPQTGSENDALYEYLR, G5S
Hyperscore=42.8849
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
y5++
y3
b6−NH3
b6
b7−NH3
y4
y10++
y5
b16++
y15++
y15++−H2O
b20++
b16

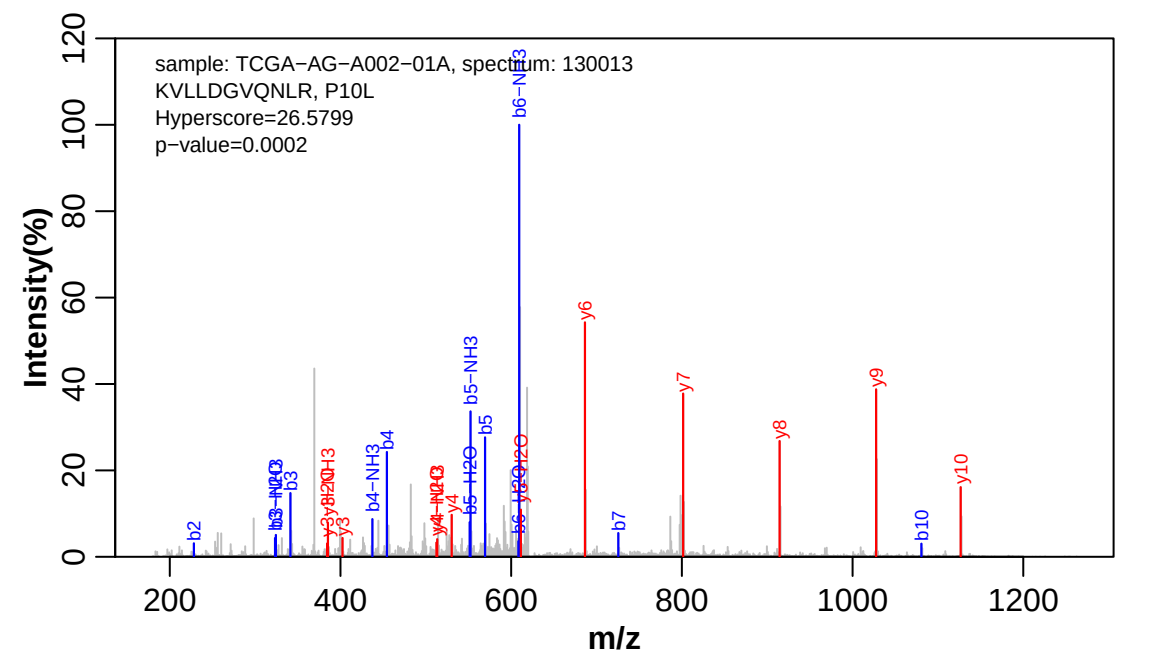

sample: TCGA−AG−A002−01A, spectrum: 91057
GLLDLLEER, V3I
Hyperscore=40.9401
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y1
y2−H2O
y2
b4
y3
b5
y4
b5−H2O
b6
b6−H2O
y5
y6−H2O−b7
y6
y7
y7−H2O
b8

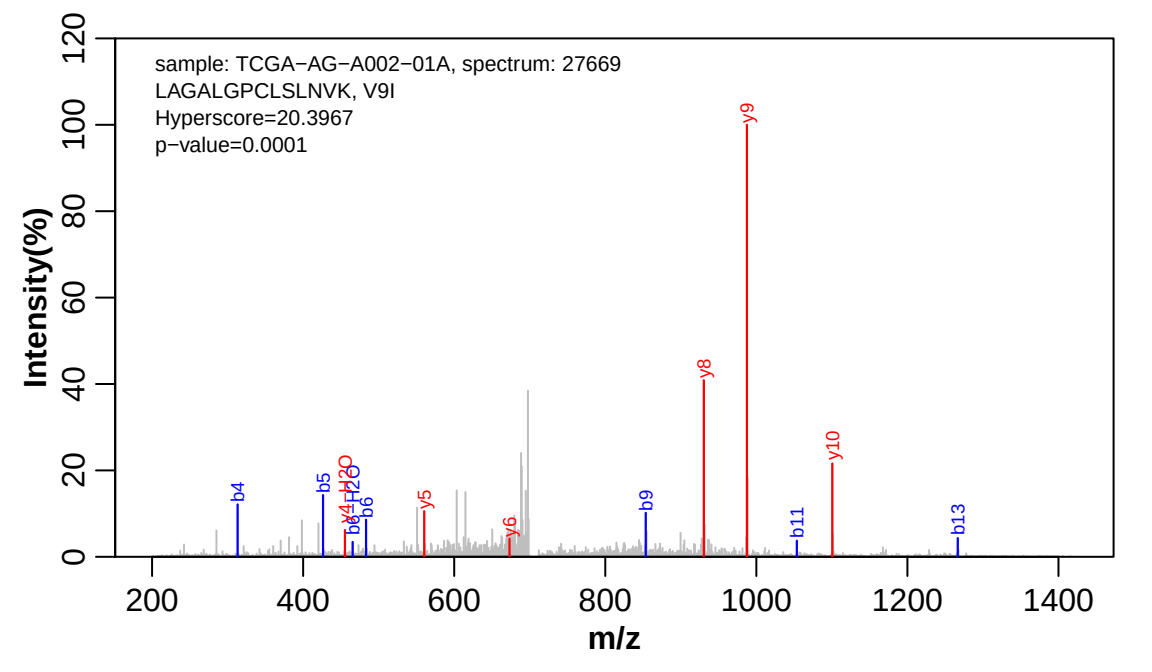

sample: TCGA−AG−A002−01A, spectrum: 154272
GQTGALLQNTVESLSK, D9N
Hyperscore=52.1765
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
b15
y4
y5
y6
b5
b7
b8
b9
b14

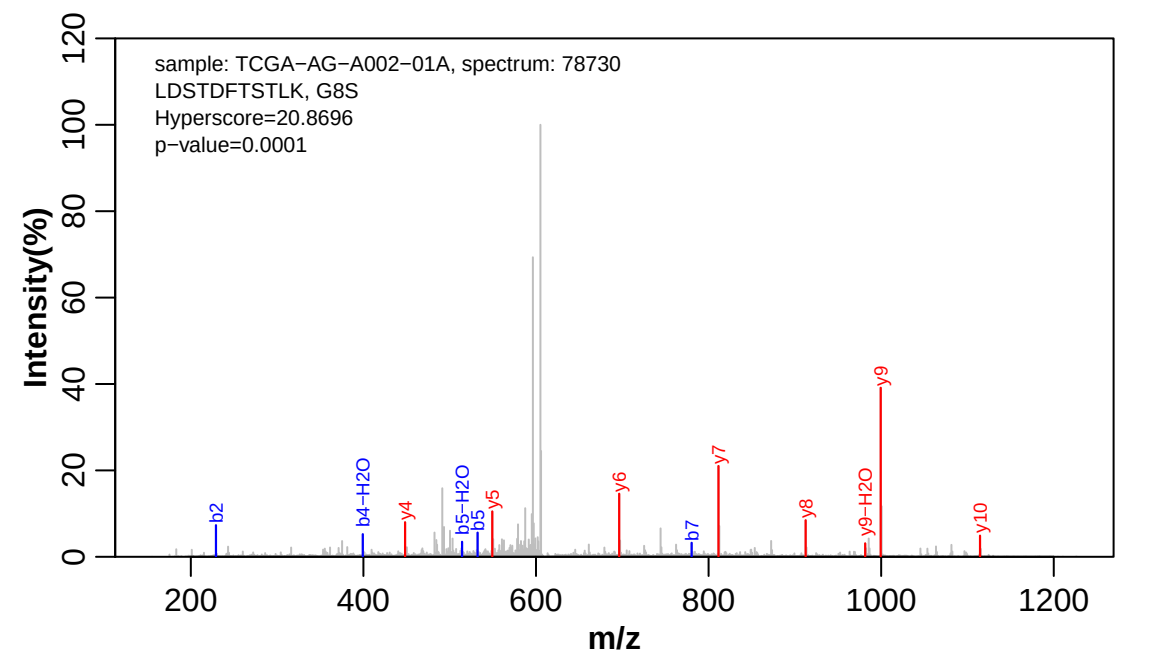

sample: TCGA−AG−A002−01A, spectrum: 119972
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.5580
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y4
y8
y7
y9
y10
b7−H2O
b7
b8−H2O
b8
b9−H2O
b9
b10−H2O
b10
b11
b11−NH3
b11−H2O
y5−NH3
y6−NH3
b10−NH3

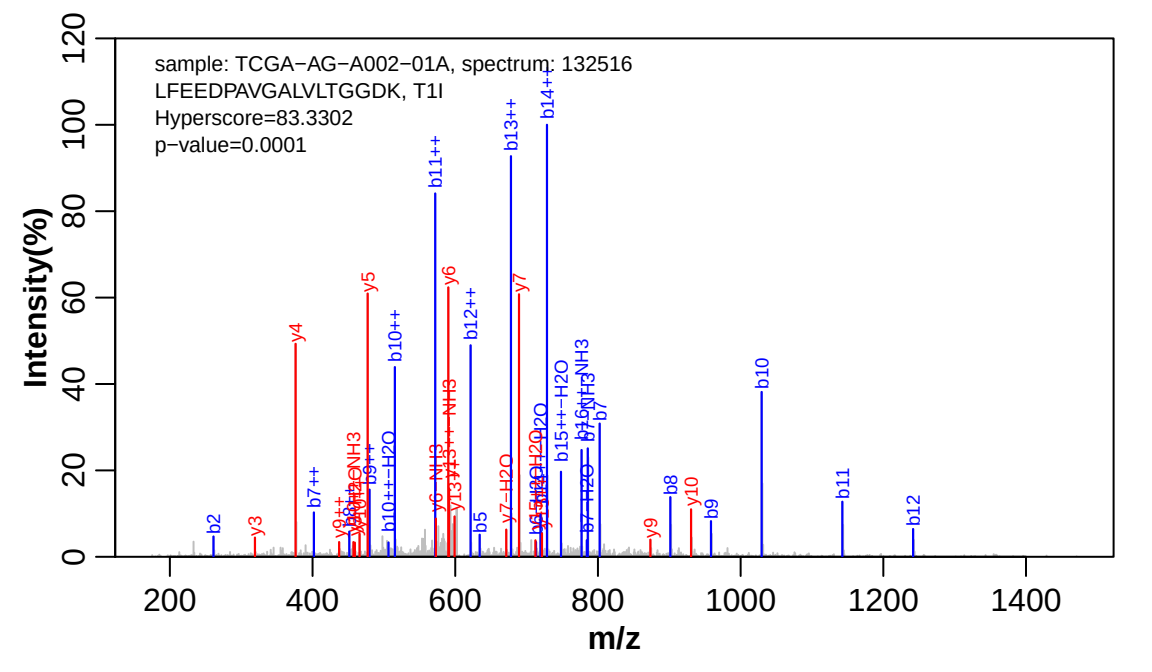

sample: TCGA−AG−A002−01A, spectrum: 15648
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=71.7356
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5++−NH3
b3−NH3
y8++
y4
b5
b6
b6−NH3
b12++
b12++−H2O
b14++
y7−NH3
y7
b15++
b15++−H2O
y15+−H2O
b10
b12
b13

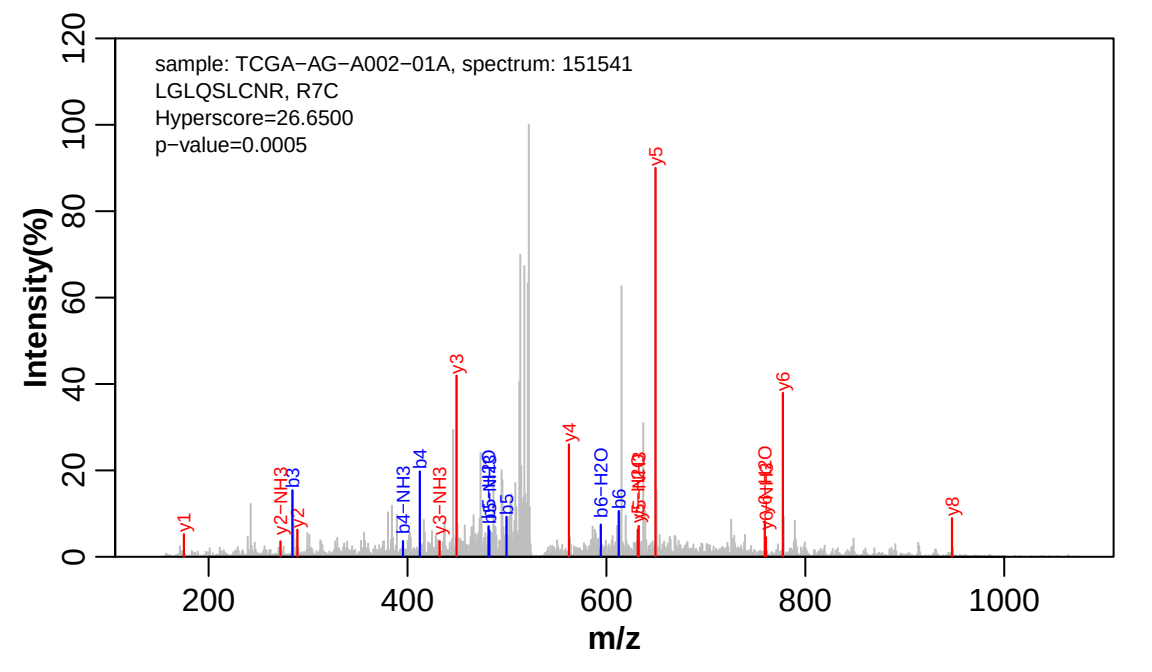

sample: TCGA−AG−A002−01A, spectrum: 126022
KADLLNR, V5I
Hyperscore=16.2488
p−value=0.0088
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b1
y1
b3
y3
y4
y5
b6
y6

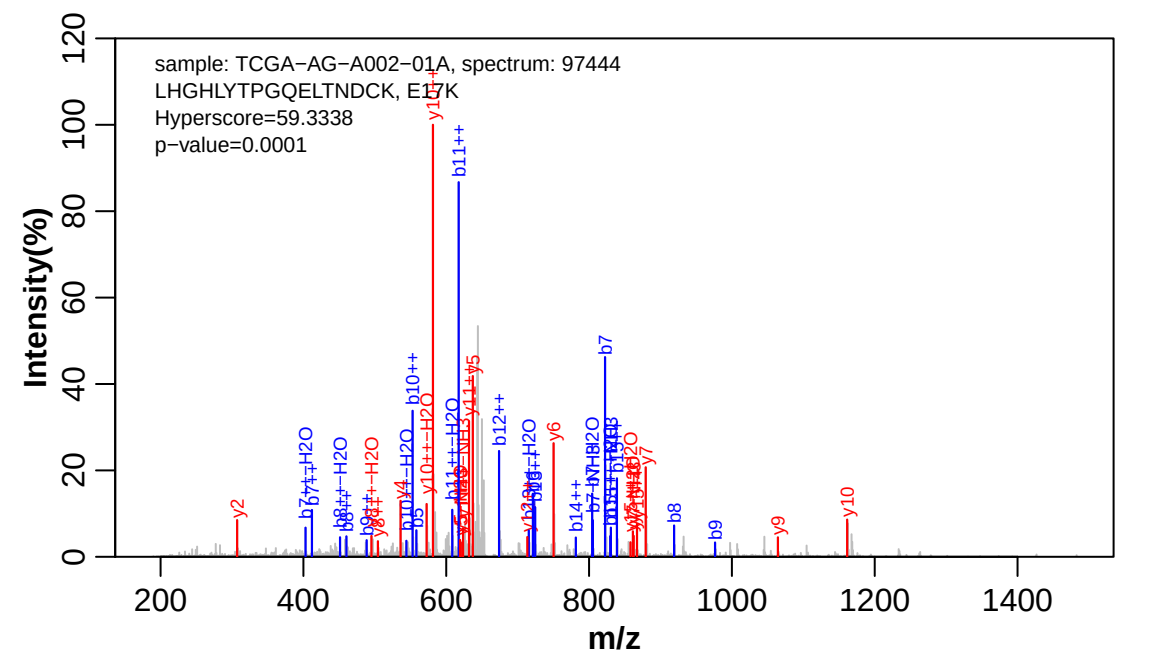

sample: TCGA−AG−A002−01A, spectrum: 130013
KVLLDGVQNLR, P10L
Hyperscore=26.5799
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b6−NH3
y6
y7
y9
y8
y10
b5−NH3
b5
b4
b4−NH3
b3
b2
b7
b10
y4
y3

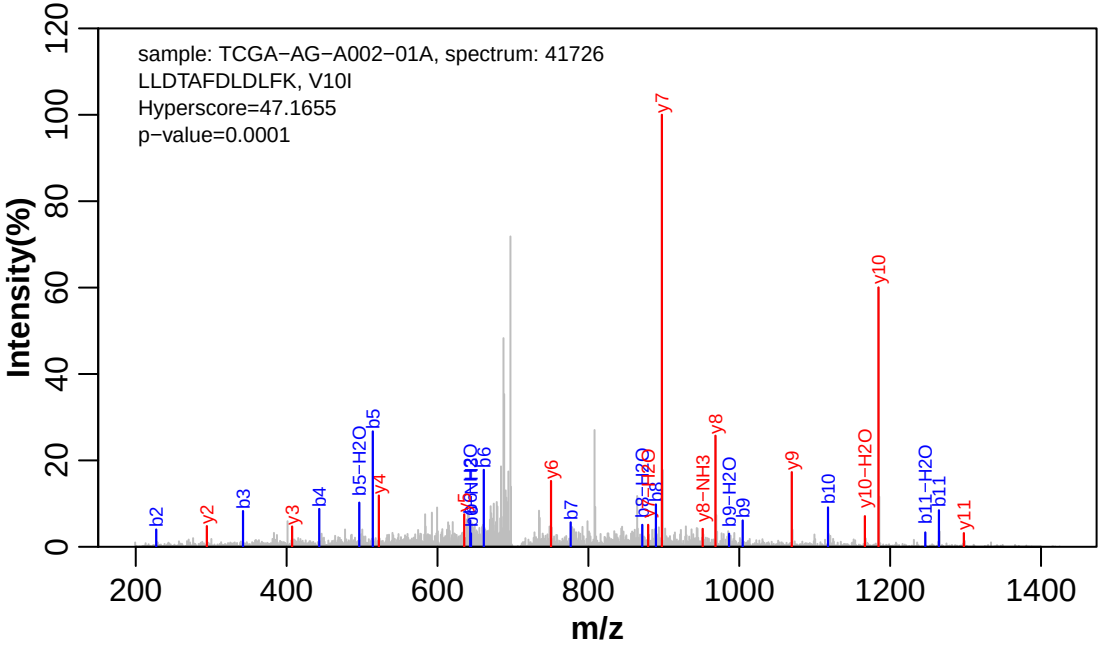

sample: TCGA−AG−A002−01A, spectrum: 27669
LAGALGPCLSLNVK, V9I
Hyperscore=20.3967
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
b4
b5
b6
y4−H2O
y5
y6
b9
y8
y9
y10
b11
b13

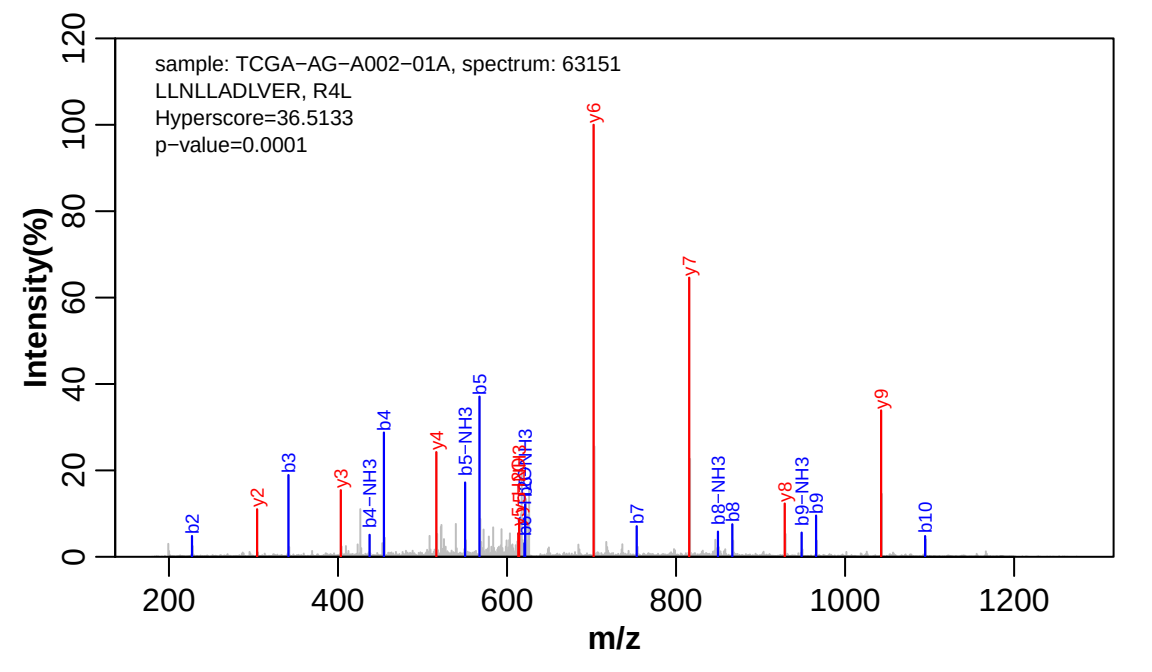

sample: TCGA−AG−A002−01A, spectrum: 78730
LDSTDFTSTLK, G8S
Hyperscore=20.8696
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
y6
b7
y7
y8
y9
y9−H2O
y10

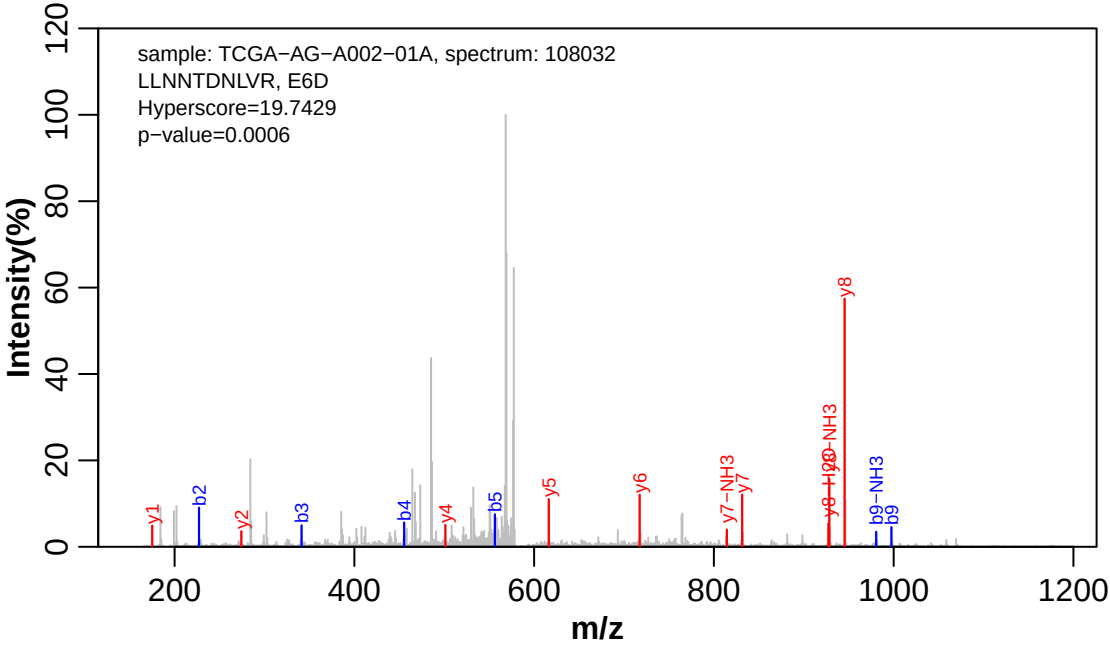

sample: TCGA−AG−A002−01A, spectrum: 132516
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=83.3302
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
y5
b9++
b10++−H2O
b10++
y6
y6−NH3
b11++
y7−H2O
b5
b12++
b13++
y7
b14++
b15++−H2O
b15++−NH3
b7
b10
b8
y10
b9
y9
b11
b12

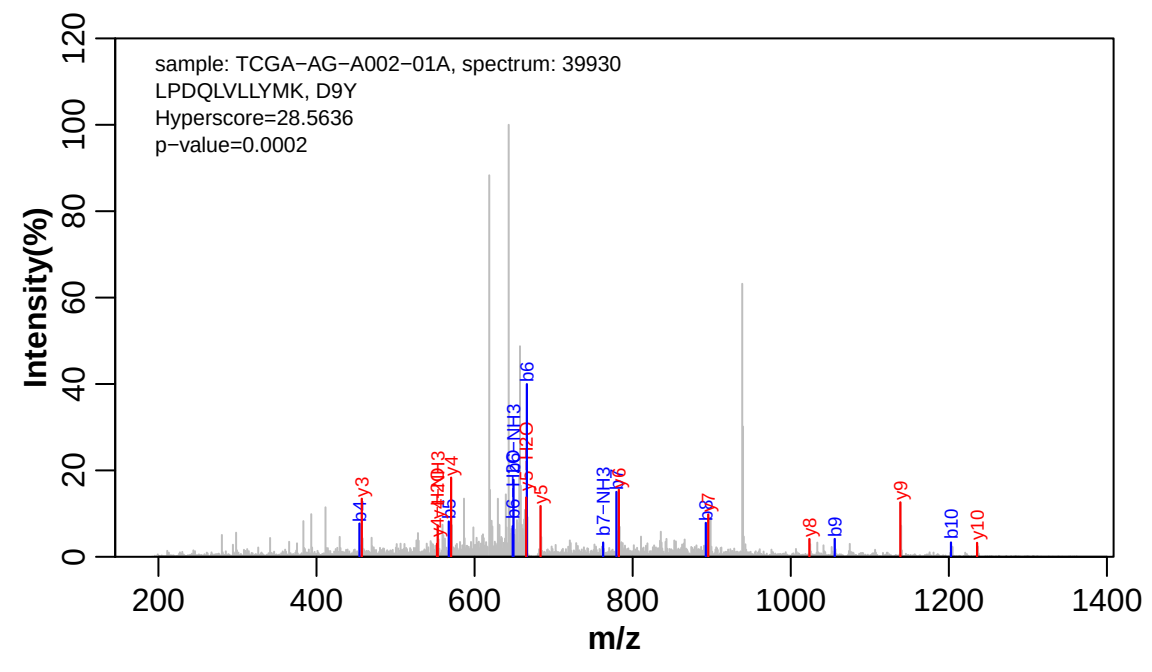

sample: TCGA−AG−A002−01A, spectrum: 151541
LGLQSLCNR, R7C
Hyperscore=26.6500
p−value=0.0005
Intensity(%)
m/z
y1
y2−NH3
b3
y2
b4−NH3
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
b6−H2O
b6
y5−NH3
y5−H2O
y5
y6−NH3
y6−H2O
y6
y8

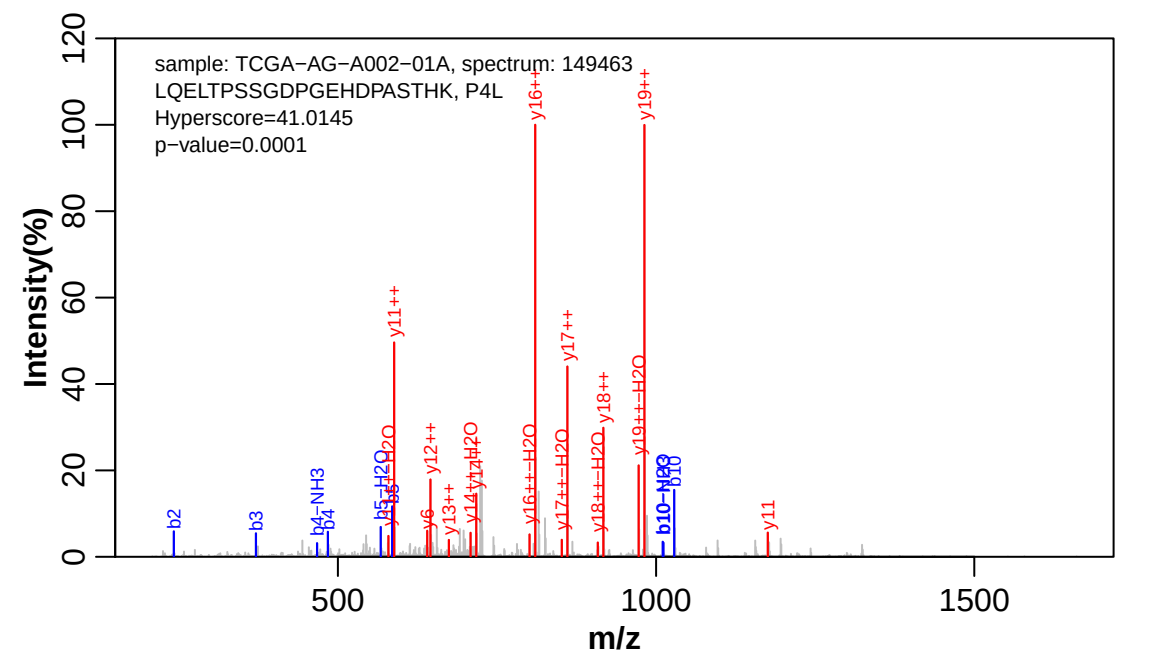

sample: TCGA−AG−A002−01A, spectrum: 97444
LHGHLYTPGQELTNDCK, E17K
Hyperscore=59.3338
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10++
b11++
y2
b7++−H2O
b8++−H2O
b9++−H2O
y8++−H2O
b10++
y10++−H2O
b11++−H2O
y11++
b12++
y6
b7
b14++
b8
b9
y9
y10

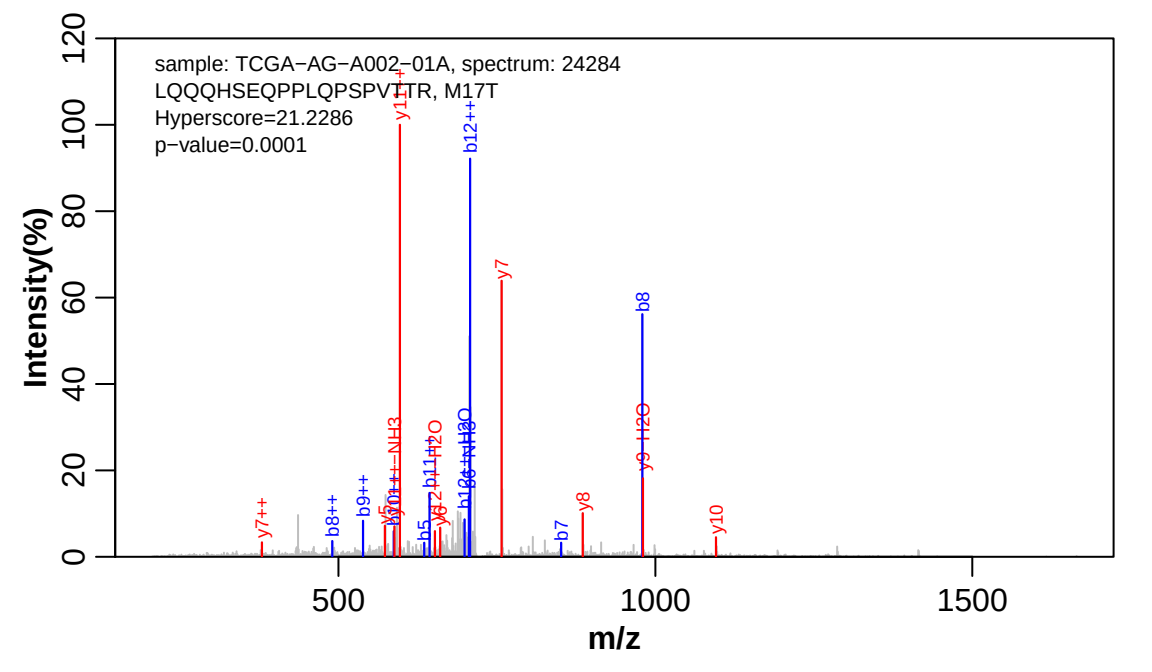

sample: TCGA−AG−A002−01A, spectrum: 41726
LLDTAFDLDLFK, V10I
Hyperscore=47.1655
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
b5−H2O
b5
y4
y5
b6−NH3
b6
y6
b7
b8−H2O
b8
y7
y8−NH3
y8
b9−H2O
b9
y9
b10
y10−H2O
y10
b11−H2O
b11
y11

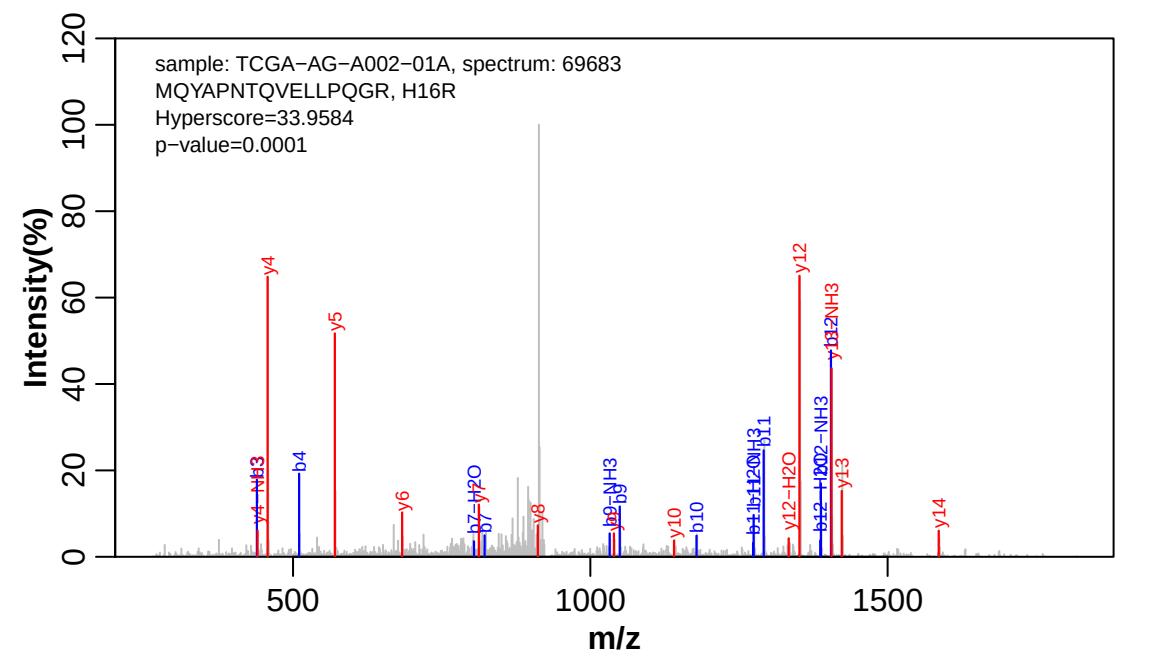

sample: TCGA−AG−A002−01A, spectrum: 63151
LLNLLADLVER, R4L
Hyperscore=36.5133
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y2
y3
y4
y8
b2
b3
b4
b4−NH3
b5
b5−NH3
b7
b8−NH3
b8
b9−NH3
b9
b10

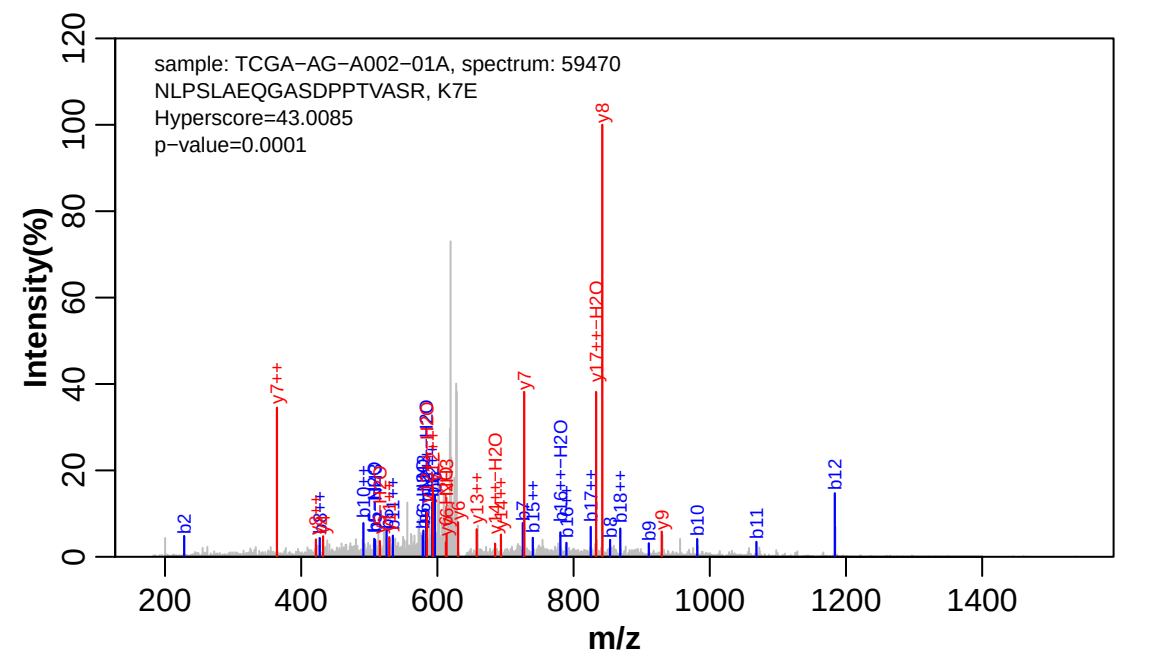

sample: TCGA−AG−A002−01A, spectrum: 108032
LLNNTDNLVR, E6D
Hyperscore=19.7429
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
y1
b2
y2
b3
b4
y4
b5
y5
y6
y7−NH3
y7
y8−H2O−NH3
y8
b9−NH3
b9

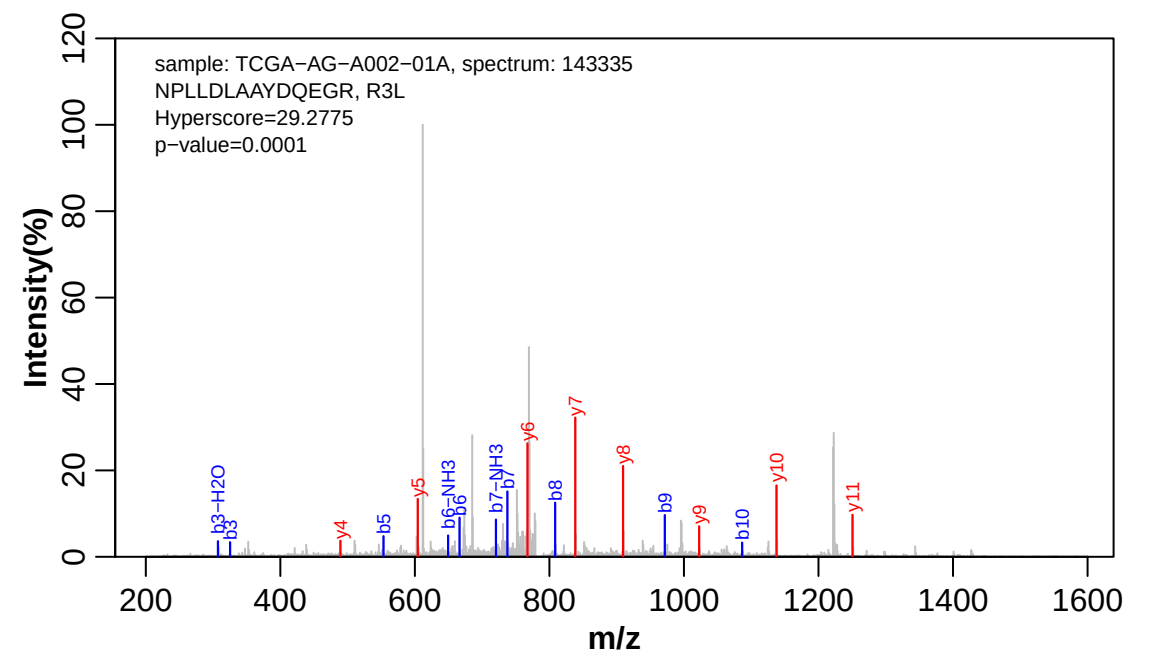

sample: TCGA−AG−A002−01A, spectrum: 39930
LPDQLVLLYMK, D9Y
Hyperscore=28.5636
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4
y3
y4
b6
b6−NH3
b6−H2O
y5
b7−NH3
y6
b7
y8
b9
y9
b10
y10

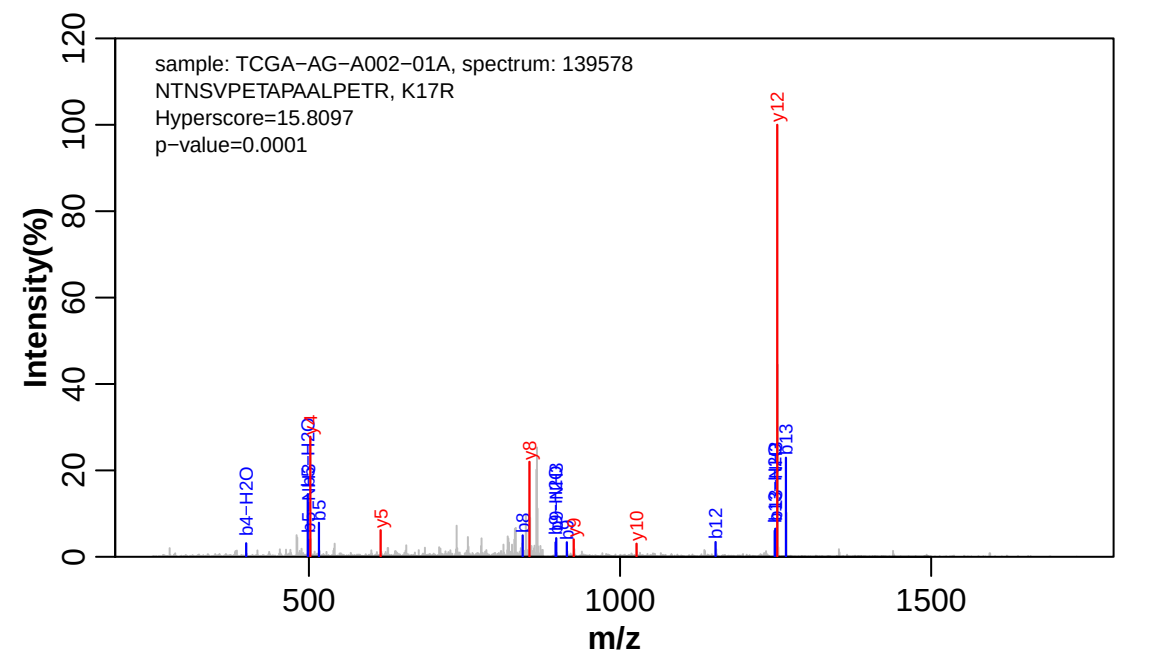

sample: TCGA−AG−A002−01A, spectrum: 149463
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=41.0145
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b4−NH3
b4
b5−H2O
b5
b8
y11++
y6
y12++
y13++
y14++
y14++−H2O
y16++−H2O
y16++
y17++−H2O
y17++
y18++−H2O
y18++
y19++−H2O
y19++
b10−NH3
b10
y11

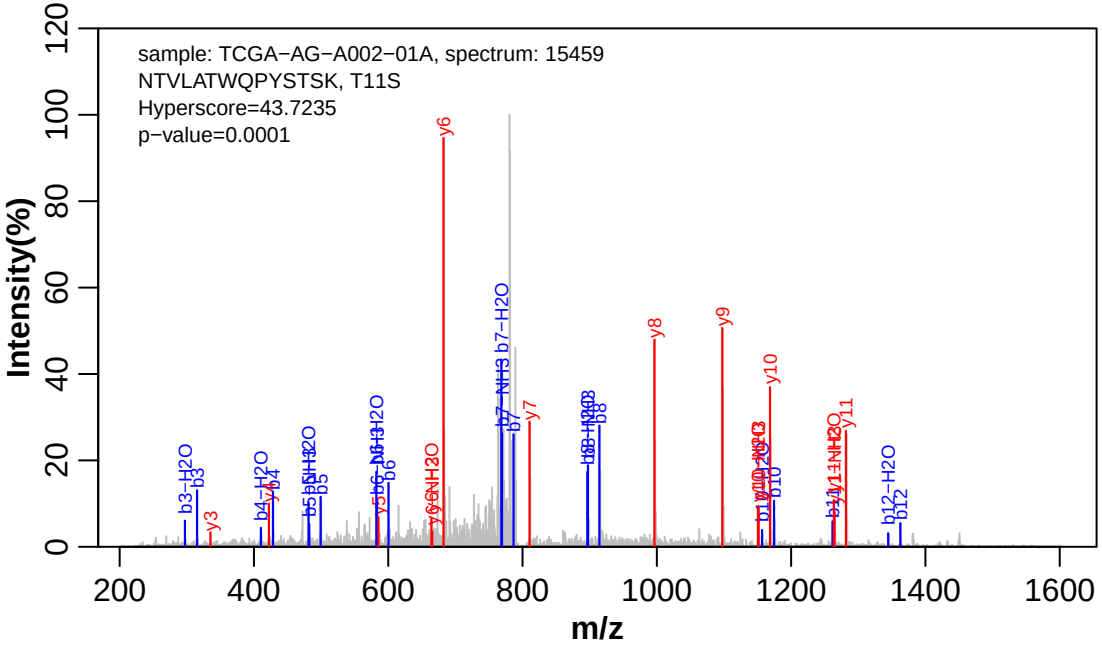

sample: TCGA−AG−A002−01A, spectrum: 24284
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.2286
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7++
b8++
b9++
y11++
y11++−NH3
b5
b11++
b11++−H2O
b12++
b12++−NH3O
y7
y8
b7
b8
y9−H2O
y10

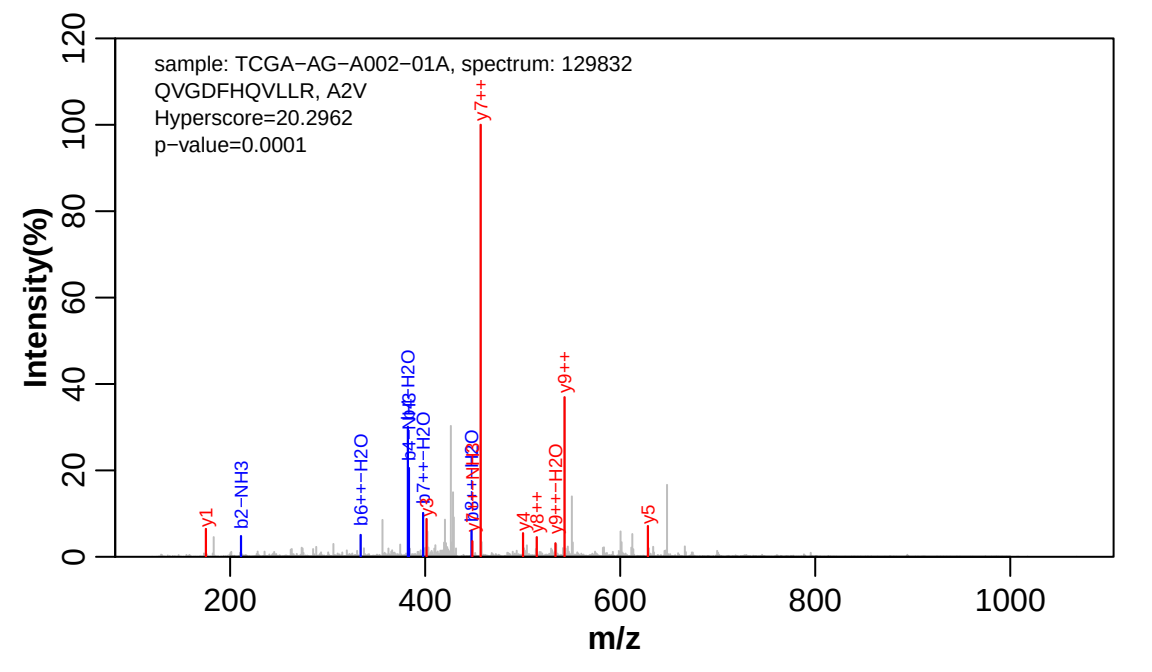

sample: TCGA−AG−A002−01A, spectrum: 69683
MQYAPNTQVELLPQGR, H16R
Hyperscore=33.9584
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y8
y10
y12
y13
y14
b4
b10
b11
y12−H2O
y12−NH3
y4−NH3
b7−H2O
b9−NH3

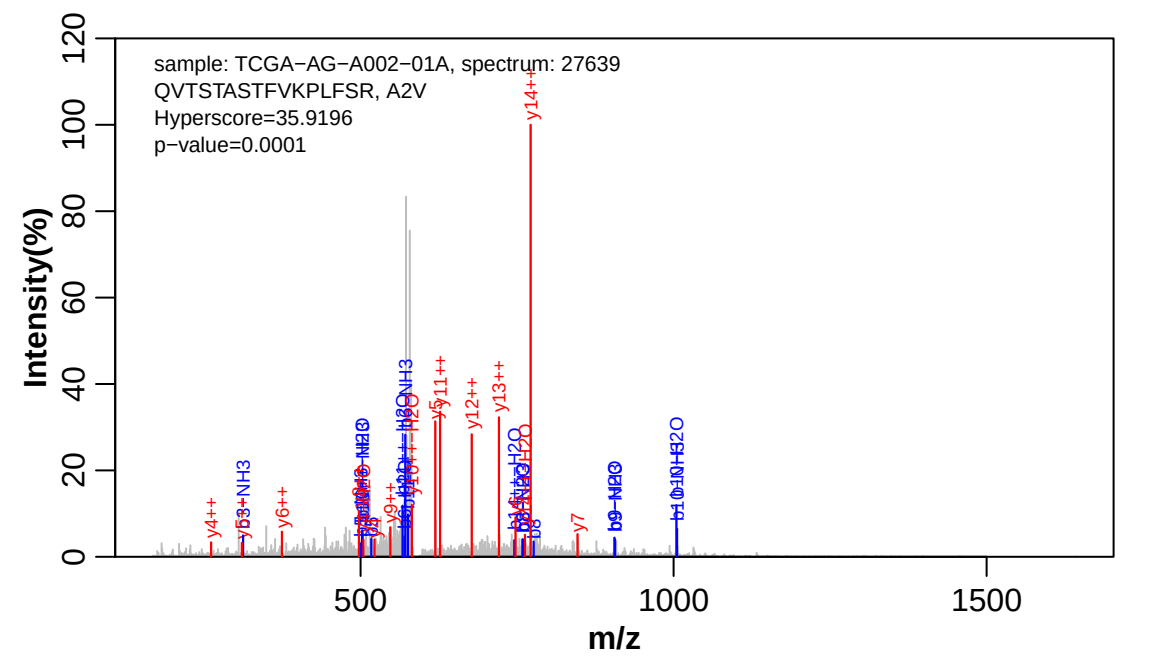

sample: TCGA−AG−A002−01A, spectrum: 59470
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=43.0085
p−value=0.0001
Intensity(%)
m/z
y8
y7++
y7
y17++−H2O
b12
b2
y13++
b15++
b17++
b10
b11
y9
b9
b18++
y12++−H2O
b16++−H2O

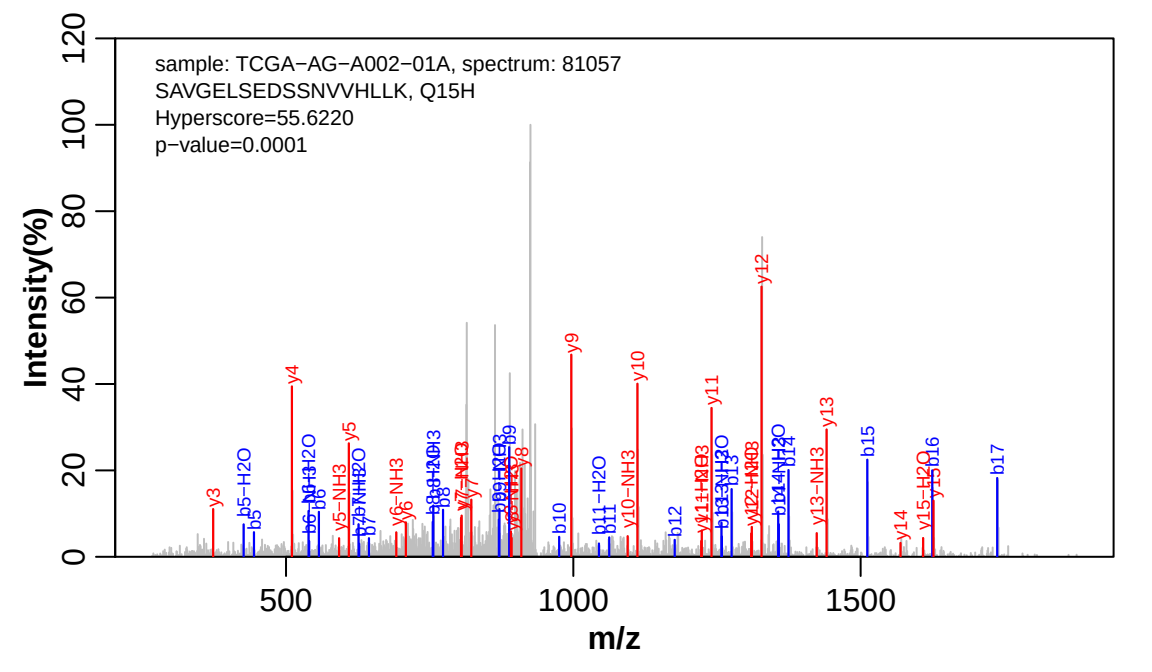

sample: TCGA−AG−A002−01A, spectrum: 143335
NPLLDLAAYDQEGR, R3L
Hyperscore=29.2775
p−value=0.0001
Intensity(%)
m/z
b3−H2O
b3
y4
b5
y5
b6−NH3
b6
b7−NH3
b7
y6
b8
y7
y8
b9
y9
b10
y10
y11

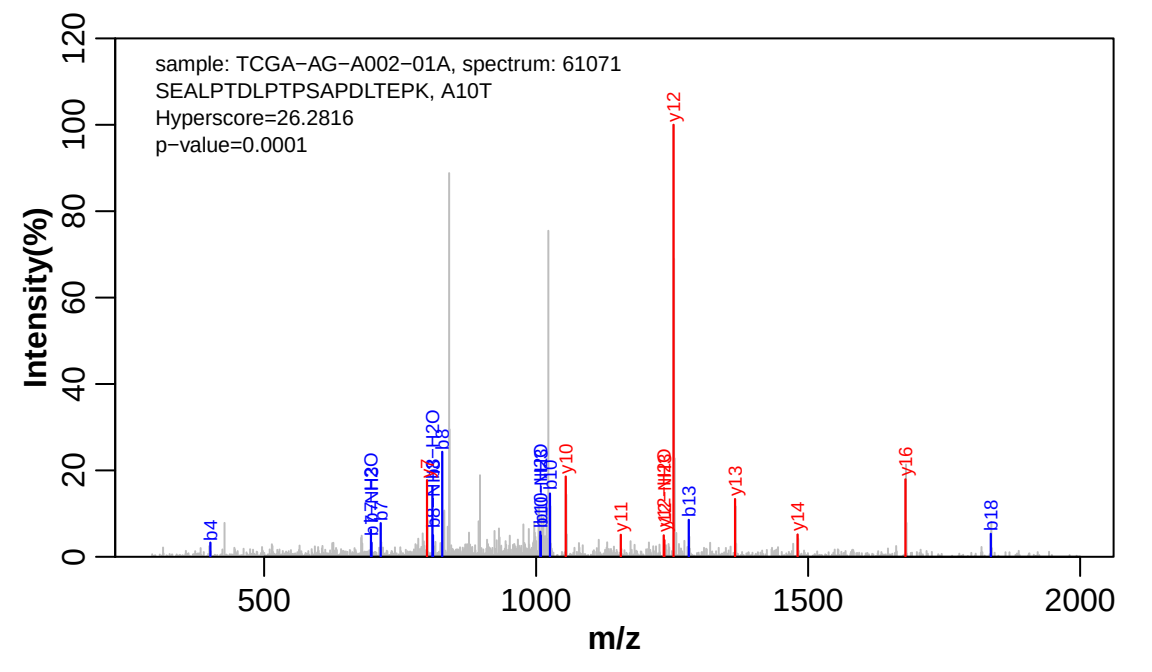

sample: TCGA−AG−A002−01A, spectrum: 139578
NTNSVPETAPAALPETR, K17R
Hyperscore=15.8097
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
b13
y8
y5
y10
b12
b4−H2O

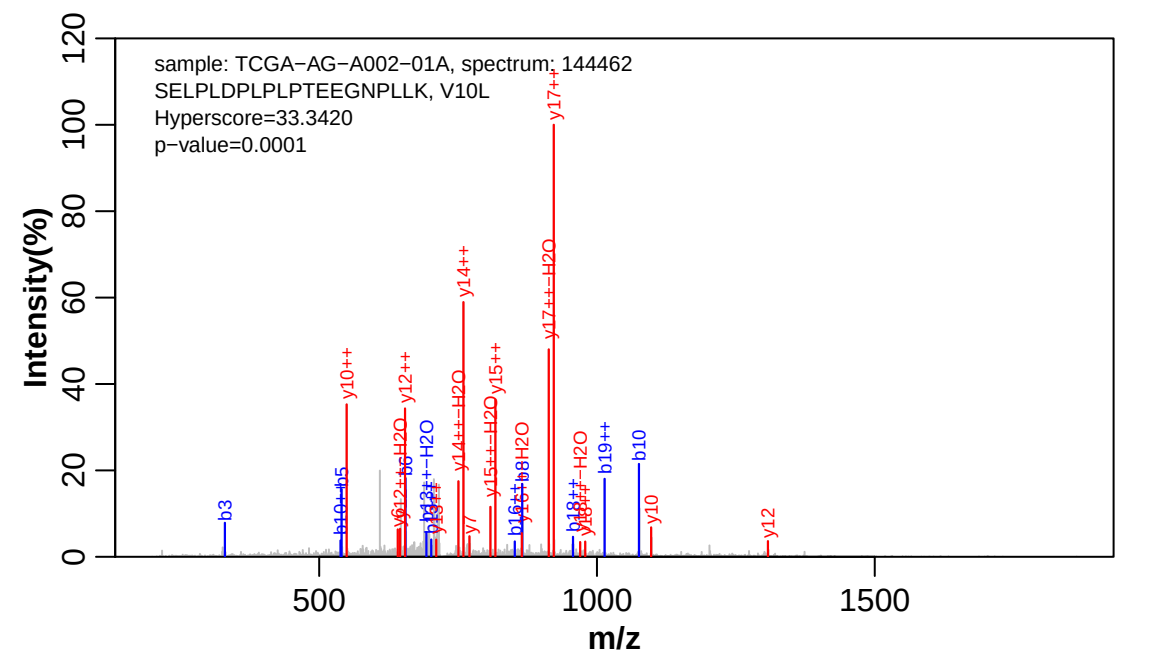

sample: TCGA−AG−A002−01A, spectrum: 15459
NTVLATWQPYSTSK, T11S
Hyperscore=43.7235
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y8
y9
y10
y11
y7
y3
b3−H2O
b3
b4−H2O
b4
b5−H2O
b5
b6
b7−NH3
b7−H2O
b7
b8−H2O
b8
b10
b12−H2O
b12

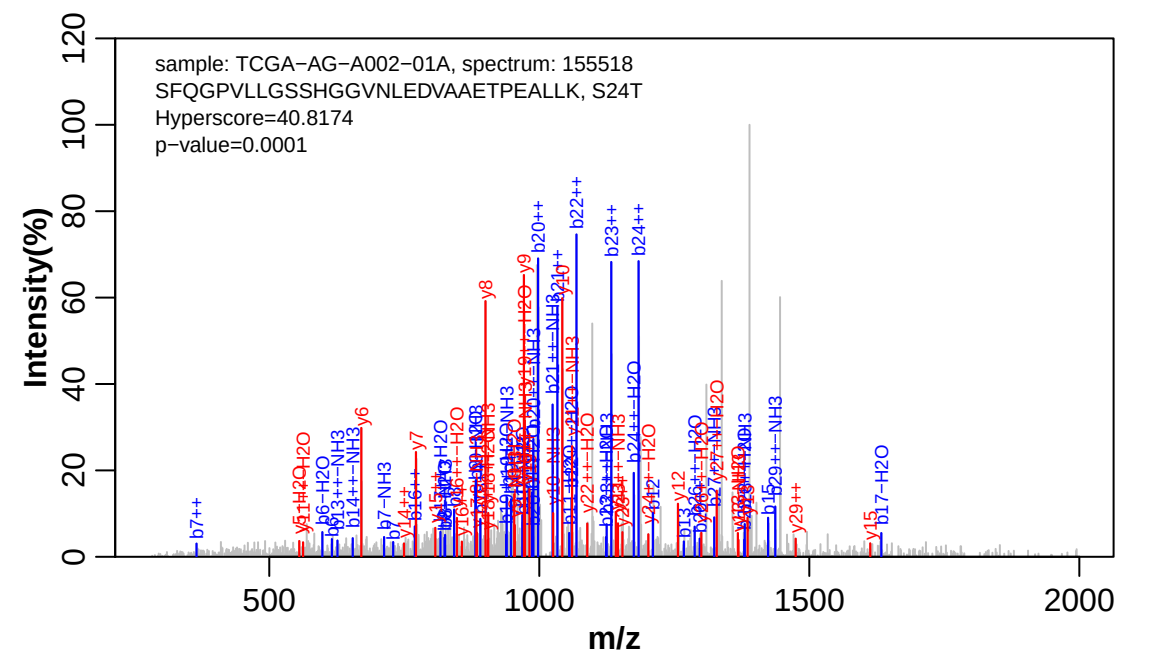

sample: TCGA−AG−A002−01A, spectrum: 129832
QVGDFHQVLLR, A2V
Hyperscore=20.2962
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2−NH3
b6++−H2O
b4−NH3
b4−H2O
y7++−H2O
y7++
b8++−NH3
b8++−H2O
y4
y8++
y9++−H2O
y9++
y5

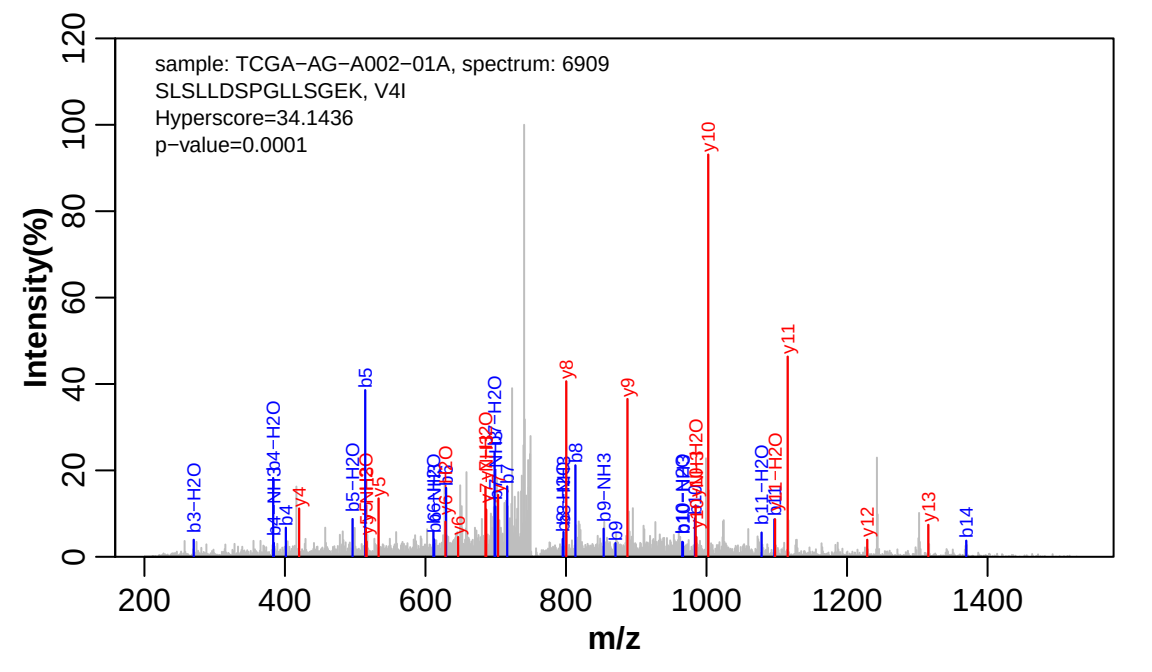

sample: TCGA−AG−A002−01A, spectrum: 27639
QVTSTASTFVKPLFSR, A2V
Hyperscore=35.9196
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y14++
y11++
y12++
y13++
y5
y4++
y6++
y7
y9++

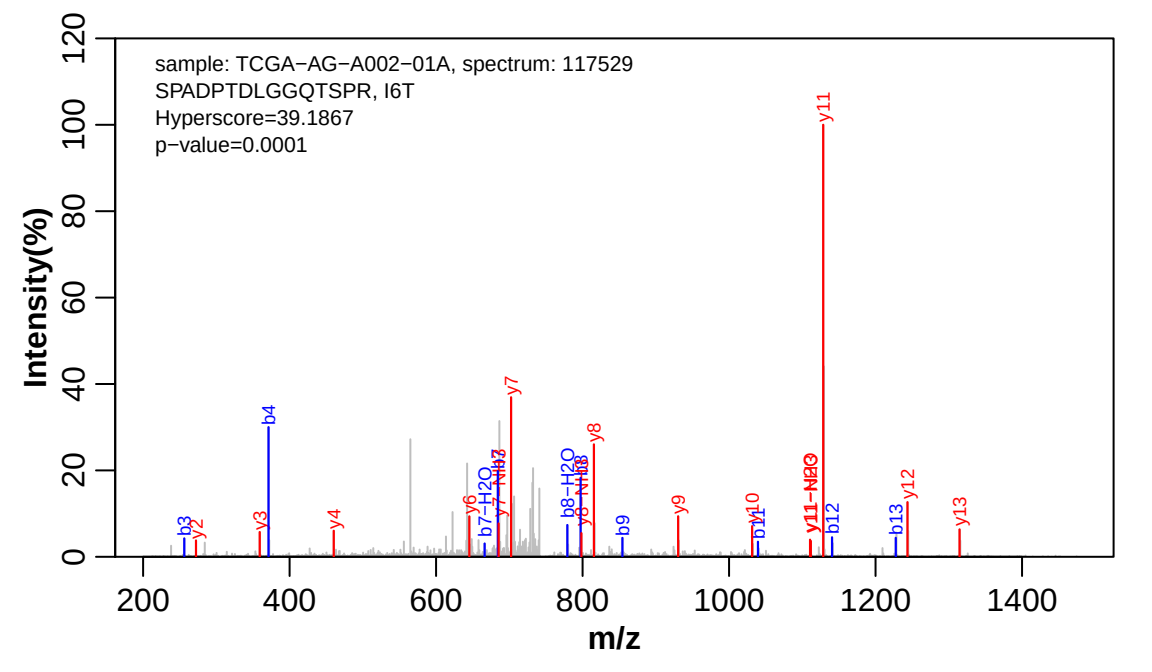

sample: TCGA−AG−A002−01A, spectrum: 81057
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=55.6220
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b5−H2O
b5
y4
b6−NH3
b6−H2O
b6
y5
y5−NH3
b7
y6
y6−NH3
y7
y8
b10
y9
b11−H2O
b11
y10
y10−NH3
b12
y11
y11−H2O
b13
y12
y12−NH3
b14
y13
y13−NH3
b15
y14
y15−H2O
y15
b16
b17

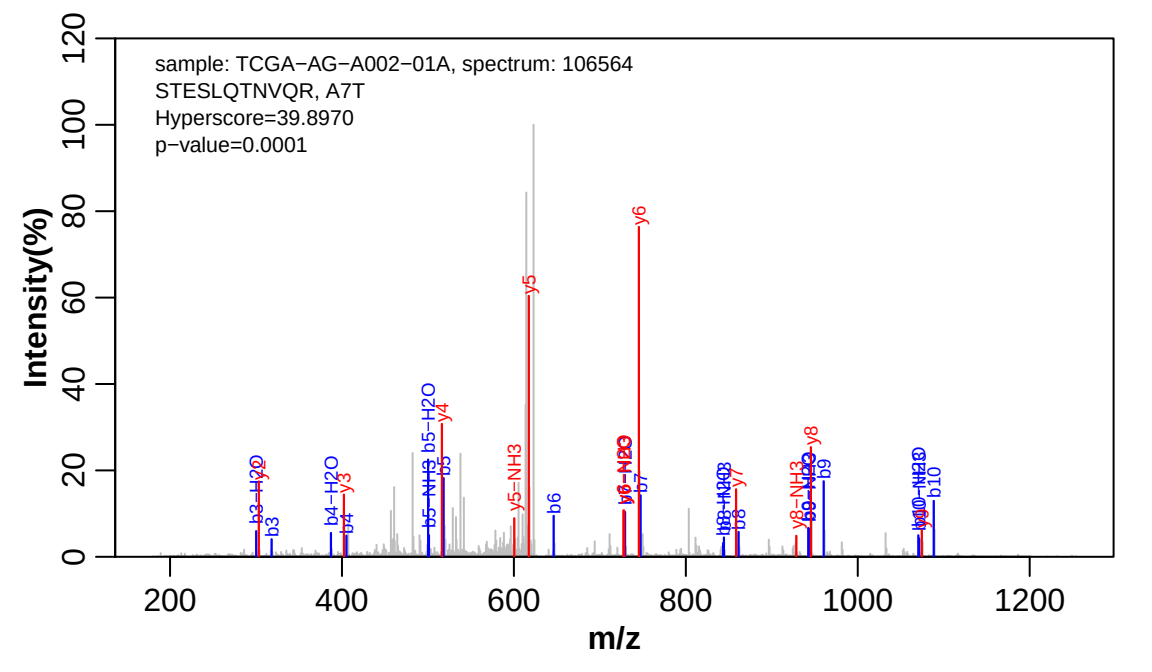

sample: TCGA−AG−A002−01A, spectrum: 61071
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=26.2816
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b4
b7−NH2O
b7
b8−NH3
b8−H2O
b8
y10
y11
b13
y12
y13
y14
y16
b18

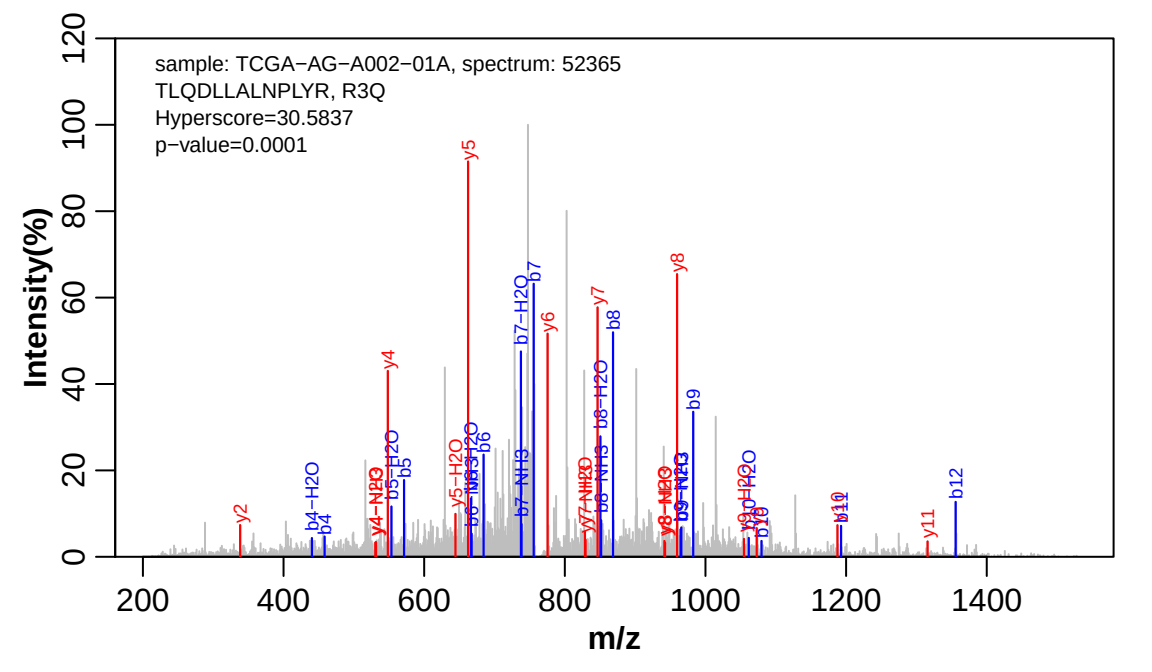

sample: TCGA−AG−A002−01A, spectrum: 144462
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=33.3420
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b10+−H2O
y10++
y12++
y14+++−H2O
y14++
y15+++−H2O
y15++
y17++
y17++−H2O
b19++
b10
y10
y12

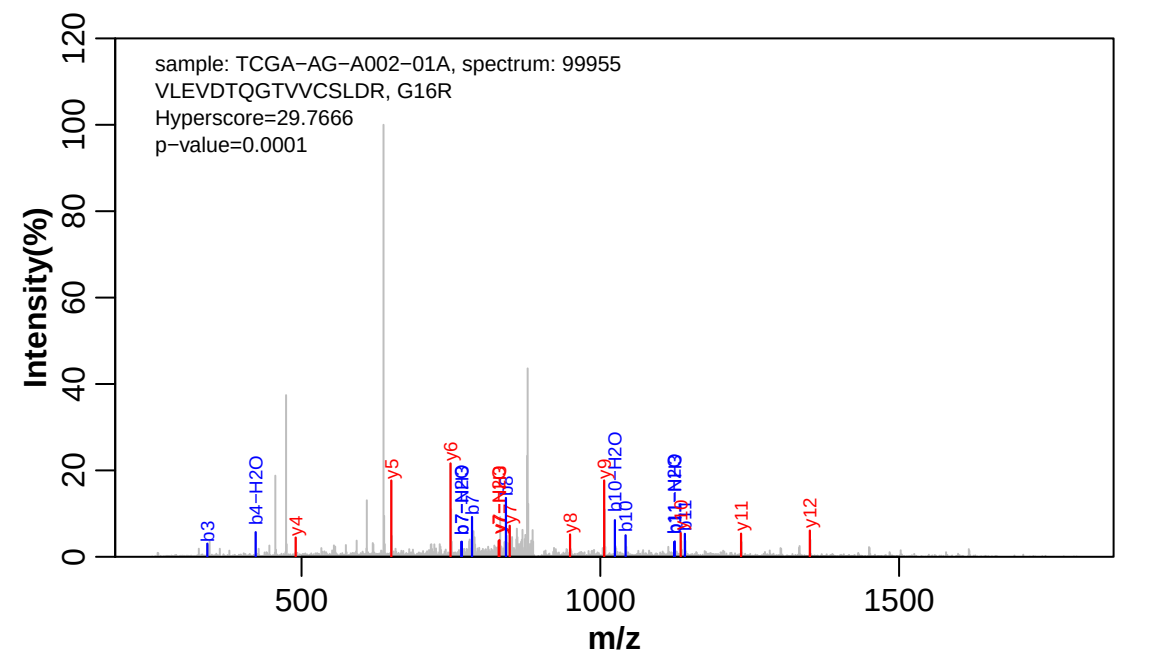

sample: TCGA−AG−A002−01A, spectrum: 155518
SFQGPVLLGSSHGGVNLEDVAAETPEALLK, S24T
Hyperscore=40.8174
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b7++
y8
b20++
b22++
b23++
b24++
y6
y7
b6−H2O
b13++−NH3
b14++−NH3
b7−NH3
y14++
y16++
y15++−H2O
y22++−H2O
y24++−H2O
y29++−NH3
y29++
b15
b17−H2O
y15
y12
b13
y27++−H2O

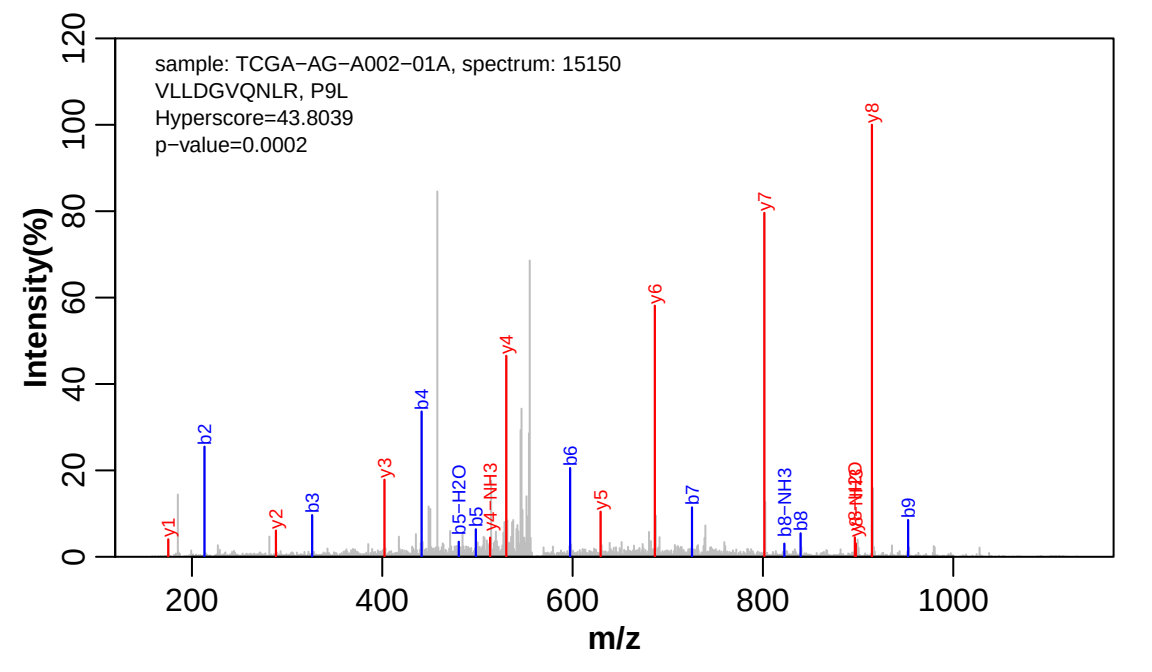

sample: TCGA−AG−A002−01A, spectrum: 6909
SLSLLDSPGLLSGEK, V4I
Hyperscore=34.1436
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b4−NH3
b4−H2O
b4
y4
b5
b5−H2O
y5−NH3
y5
b6−NH3
b6−H2O
y6−H2O
y6
y7−NH3
y7−H2O
b7−NH3
b7−H2O
b7
b8−NH3
b8−H2O
b8
y8
b9−NH3
b9
y9
b10−NH3
b10−H2O
y10−NH3
y10−H2O
y10
b11−H2O
b11
y11−H2O
y11
y12
y13
b14

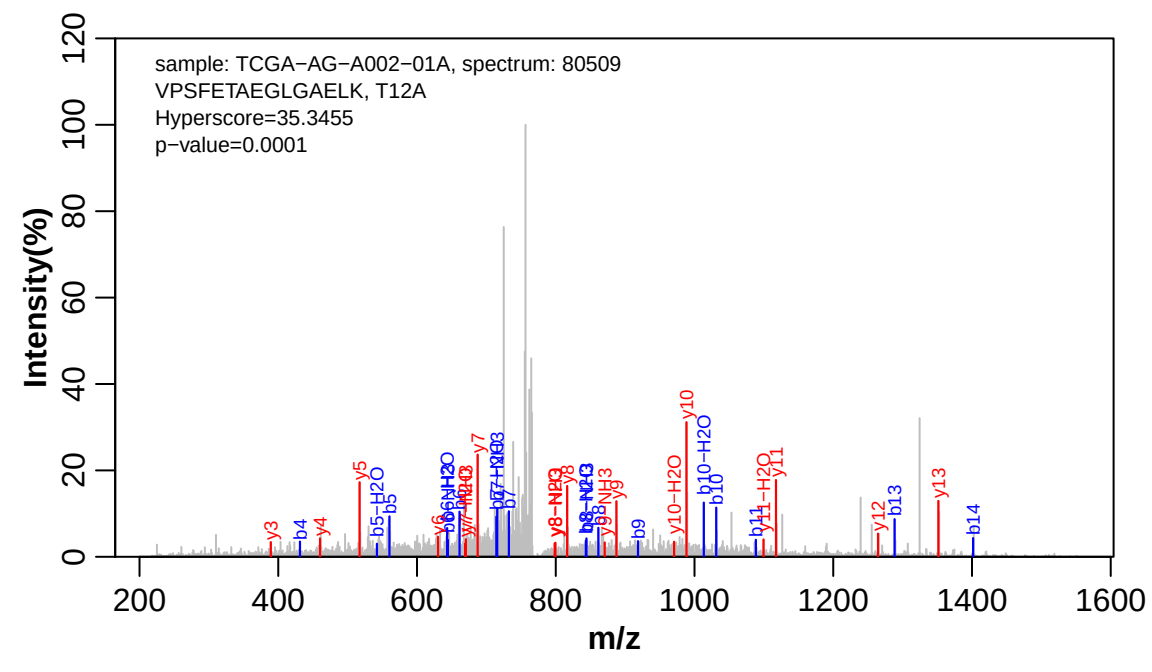

sample: TCGA−AG−A002−01A, spectrum: 117529
SPADPTDLGGQTSPR, I6T
Hyperscore=39.1867
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
y6
b7−H2O
y7
y7−NH3
b8−H2O
y8−NH3
y8
b9
y9
b10
b11
y11−NH3
y11−H2O
y11
b12
b13
y12
y13

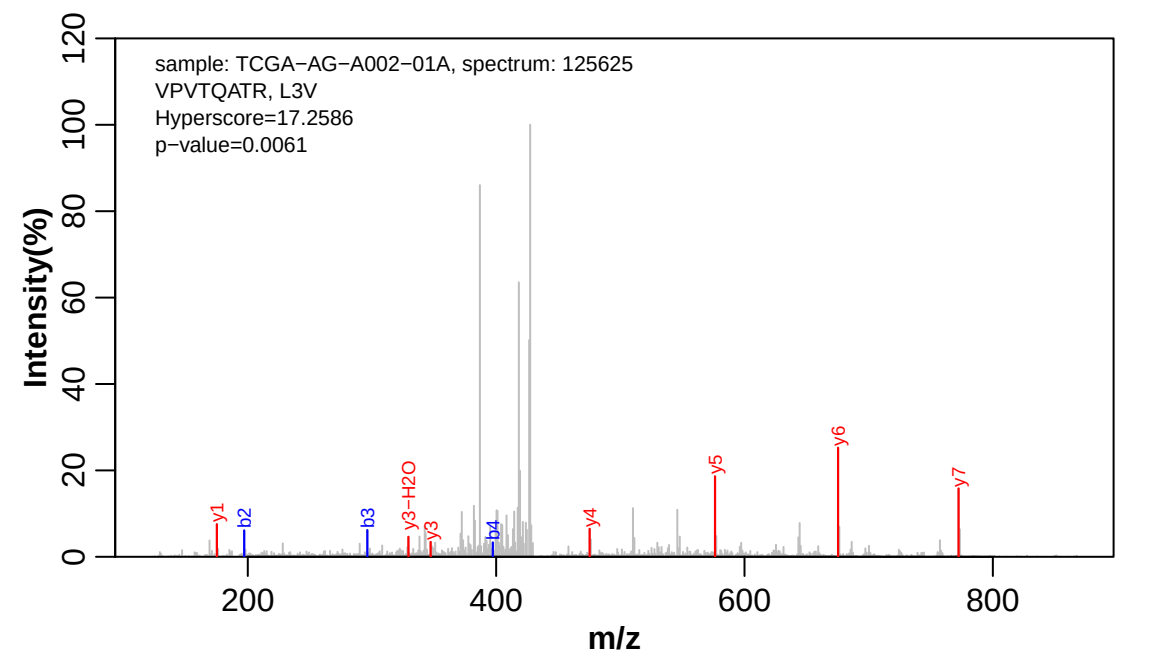

sample: TCGA−AG−A002−01A, spectrum: 106564
STESLQTNVQR, A7T
Hyperscore=39.8970
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y4
b5−H2O
b5−NH3
b5
y5−NH3
b6
b4−H2O
y3
b4
b3−H2O
y2
b3
b7
y7
b8
y8
y8−NH3
b9
b10

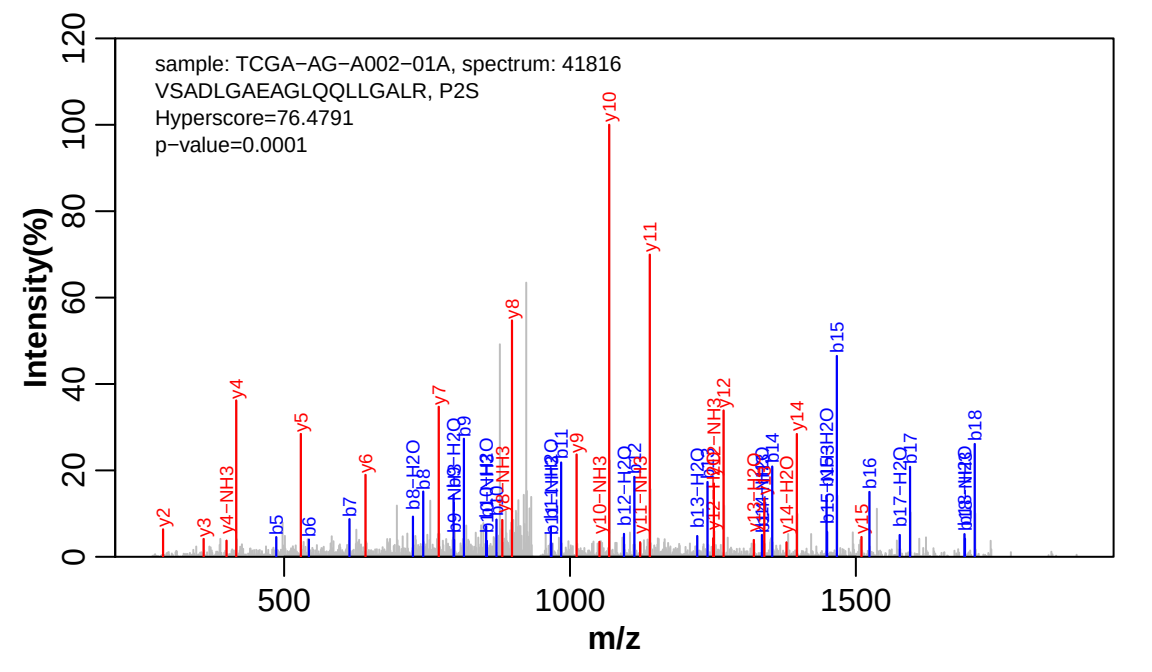

sample: TCGA−AG−A002−01A, spectrum: 52365
TLQDLLALNPLYR, R3Q
Hyperscore=30.5837
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−H2O
b4
y4−NH3
y4
b5
b5−H2O
y5−H2O
b6−NH3
b6−H2O
b6
y5
b7−NH3
b7−H2O
b7
y6
y7−NH3
y7−H2O
b8−NH3
b8−H2O
b8
y7
y8
b9
y8−NH3
y8−H2O
b9−NH3
y9−H2O
y9
b10
y11
b12

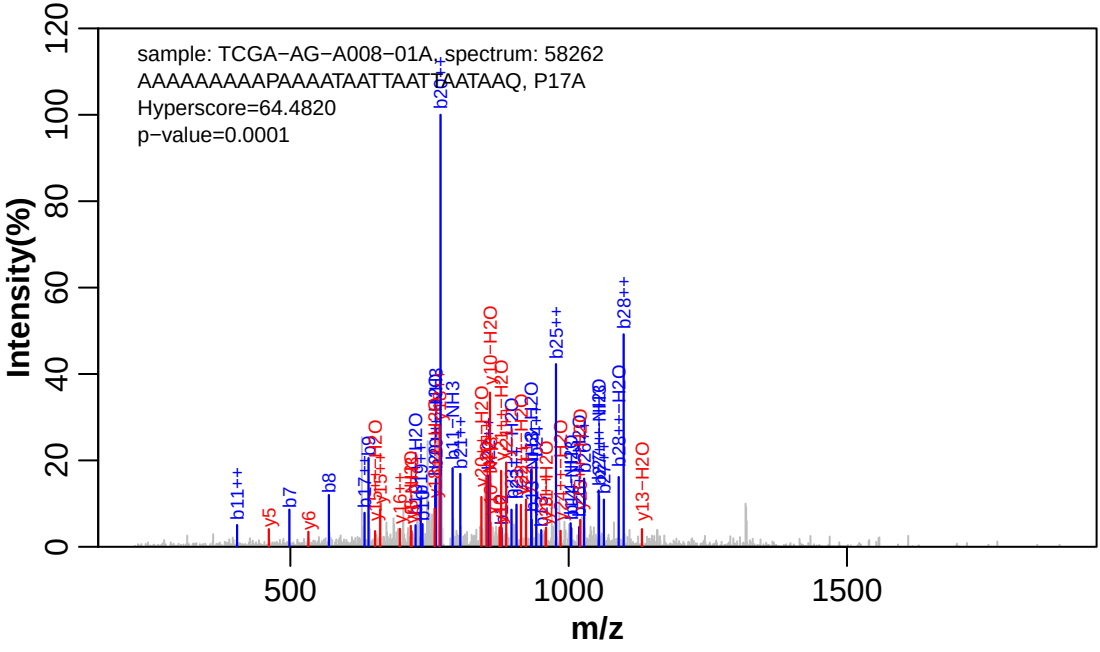

sample: TCGA−AG−A002−01A, spectrum: 99955
VLEVDTQGTVVCSLDR, G16R
Hyperscore=29.7666
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
b4−H2O
y4
y5
y6
b7−NH3
b7
y7−NH3
y7
b8
y8
y9
b10−H2O
b10
b11−NH3
b11
y11
y12

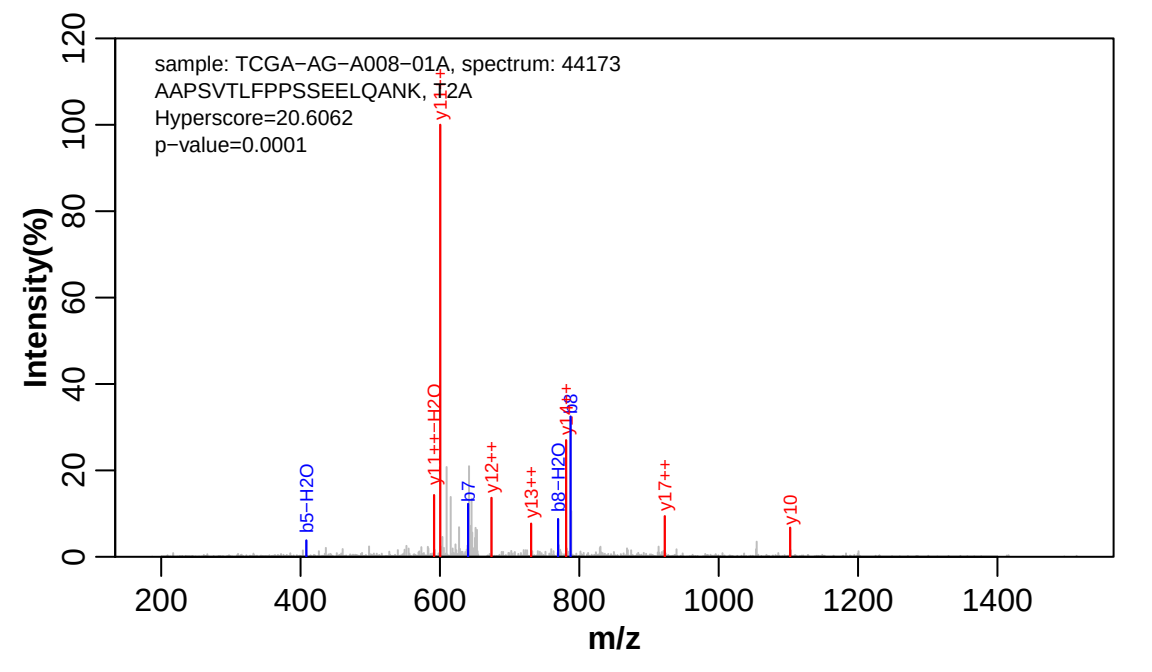

sample: TCGA−AG−A002−01A, spectrum: 15150
VLLDGVQNLR, P9L
Hyperscore=43.8039
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3
b4
b5−H2O
b5
y4−NH3
y4
b6
y5
y6
b7
b8−NH3
b8
y7
y8
b9

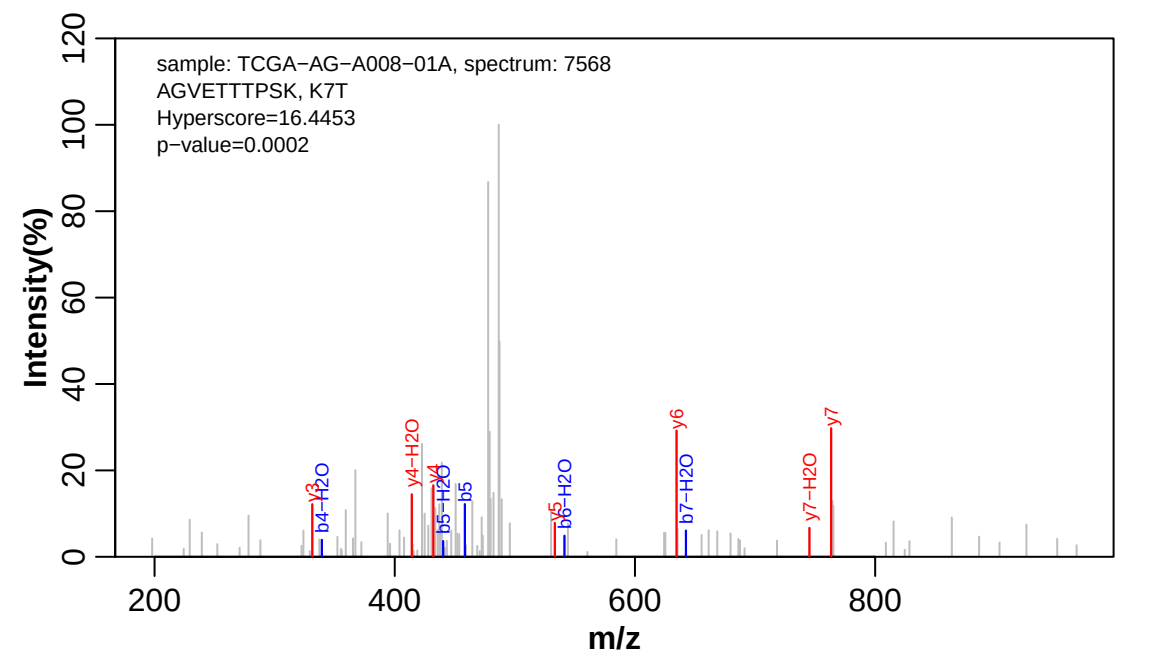

sample: TCGA−AG−A002−01A, spectrum: 80509
VPSFETAEGLGAELK, T12A
Hyperscore=35.3455
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
b4
y4
y5
b5−H2O
b5
y6
y7
y8
y8−NH3
y9
y9−NH3
b9
y10−H2O
y10
b10−H2O
b10
y11−H2O
y11
y12
b13
y13
b14

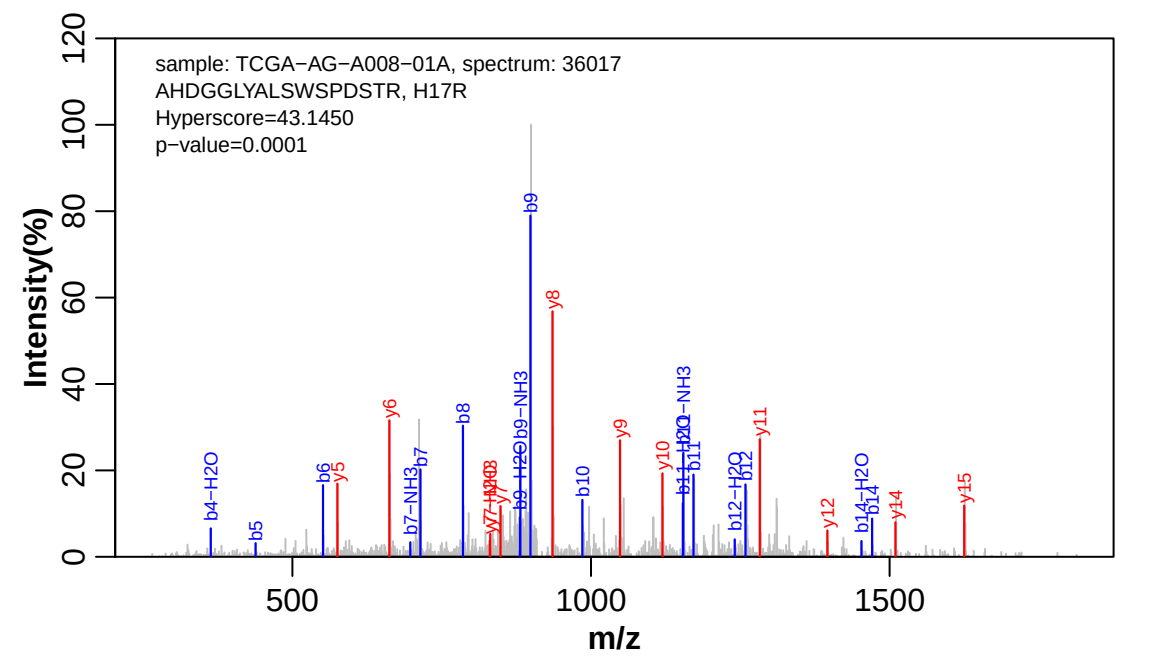

sample: TCGA−AG−A002−01A, spectrum: 125625
VPVTQATR, L3V
Hyperscore=17.2586
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3−H2O
y3
b4
y4
y5
y6
y7

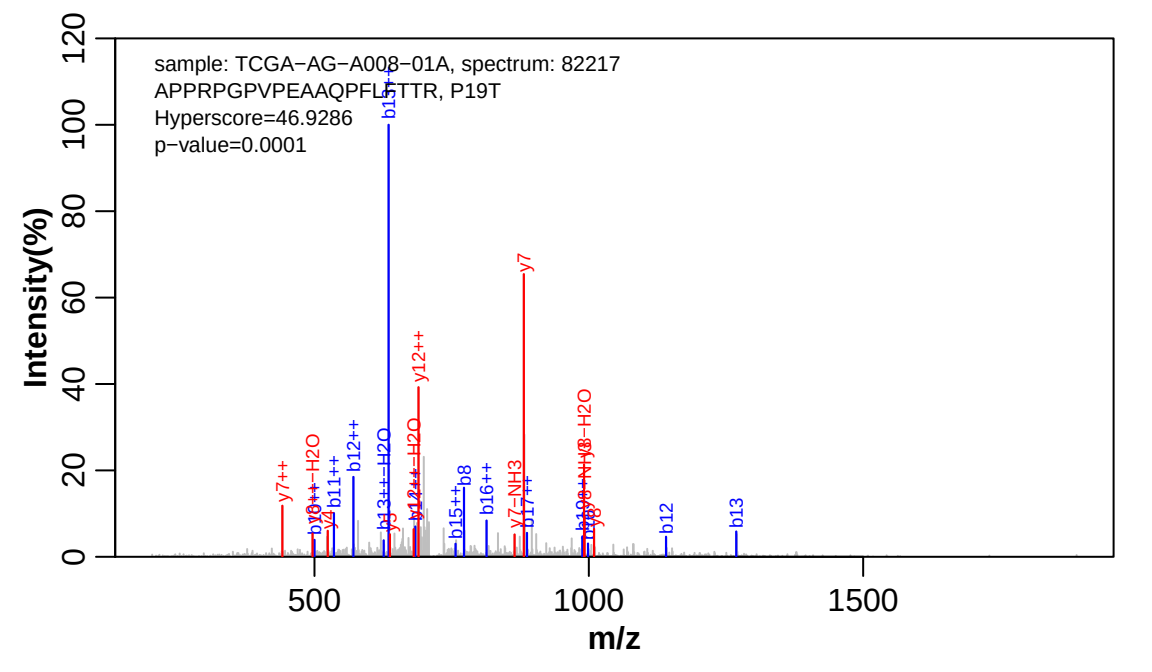

sample: TCGA−AG−A002−01A, spectrum: 41816
VSADLGAEAGLQQLLGALR, P2S
Hyperscore=76.4791
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y10
y11
y8
y4
y5
y7
y6
y2
y3
y4−NH3
b5
b6
b7
b8−H2O
b15
y10−NH3
y9
b11
b12−H2O
y11−NH3
b13−H2O
y12
y14
y14−H2O
b15−H2O
b16
y15
b17
b17−H2O
b18

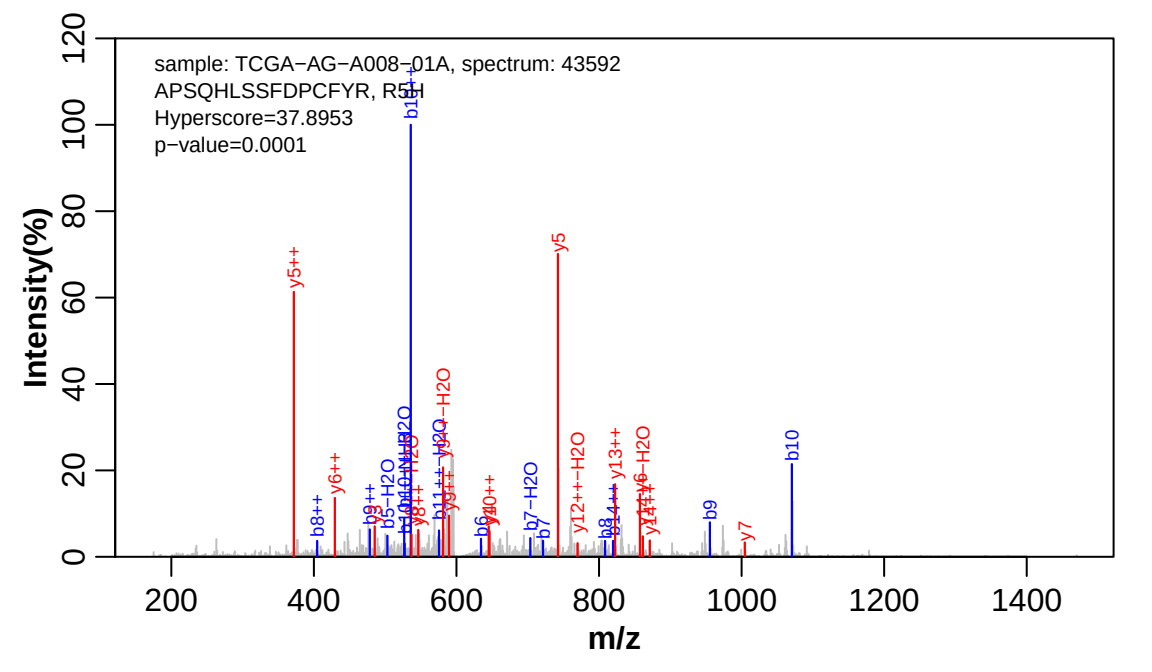

sample: TCGA−AG−A008−01A, spectrum: 58262
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=64.4820
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b11++
y5
b7
y6
b8
b25++
b28++
y13−H2O
y10−H2O
b11+−NH3
b28++−H2O

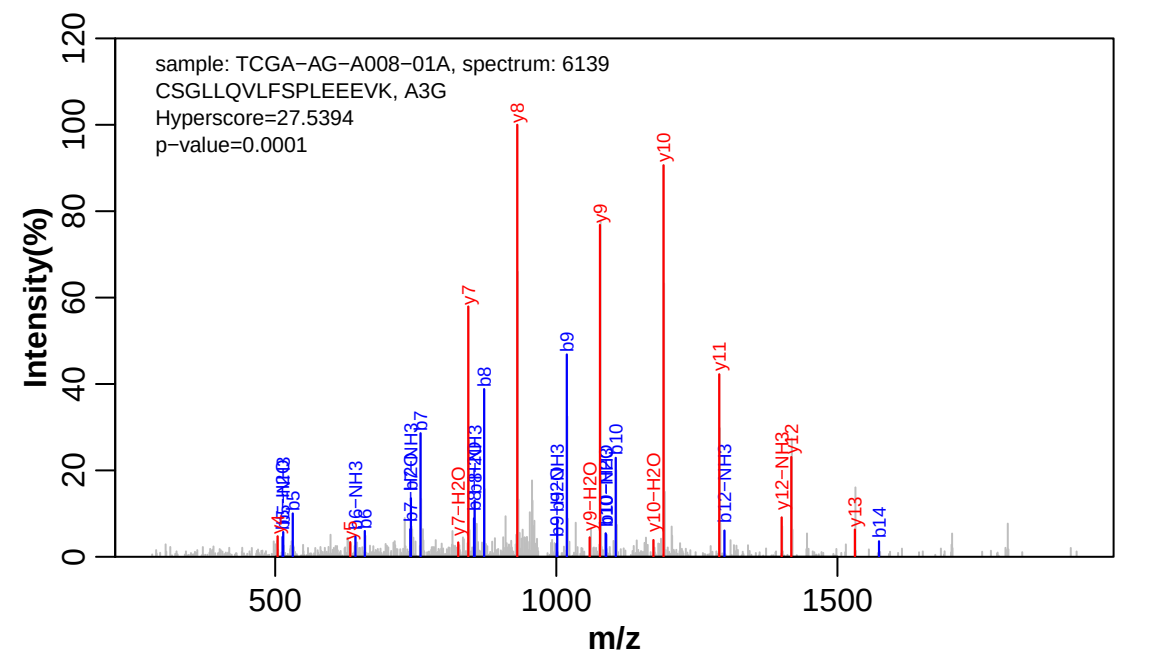

sample: TCGA−AG−A008−01A, spectrum: 44173
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=20.6062
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y11++
y11++−H2O
b5−H2O
b7
y12++
y13++
b8−H2O
b8
y14++
y17++
y10

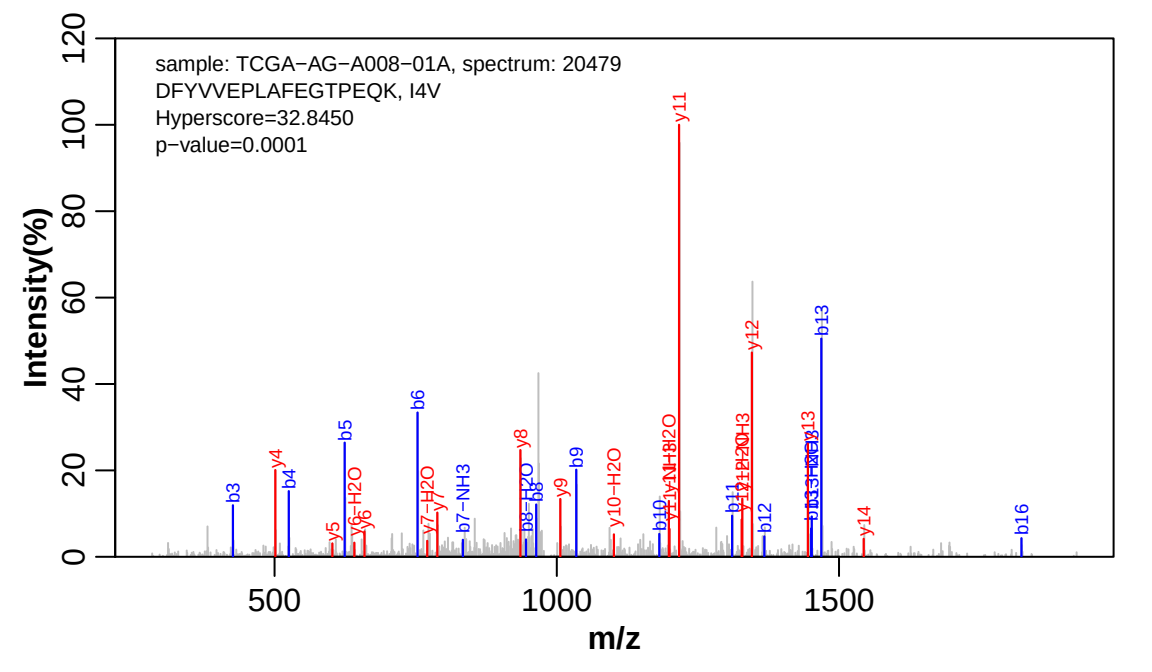

sample: TCGA−AG−A008−01A, spectrum: 7568
AGVETTTPSK, K7T
Hyperscore=16.4453
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y3
b4−H2O
y4−H2O
y4
b5−H2O
b5
y5
b6−H2O
y6
b7−H2O
y7−H2O
y7

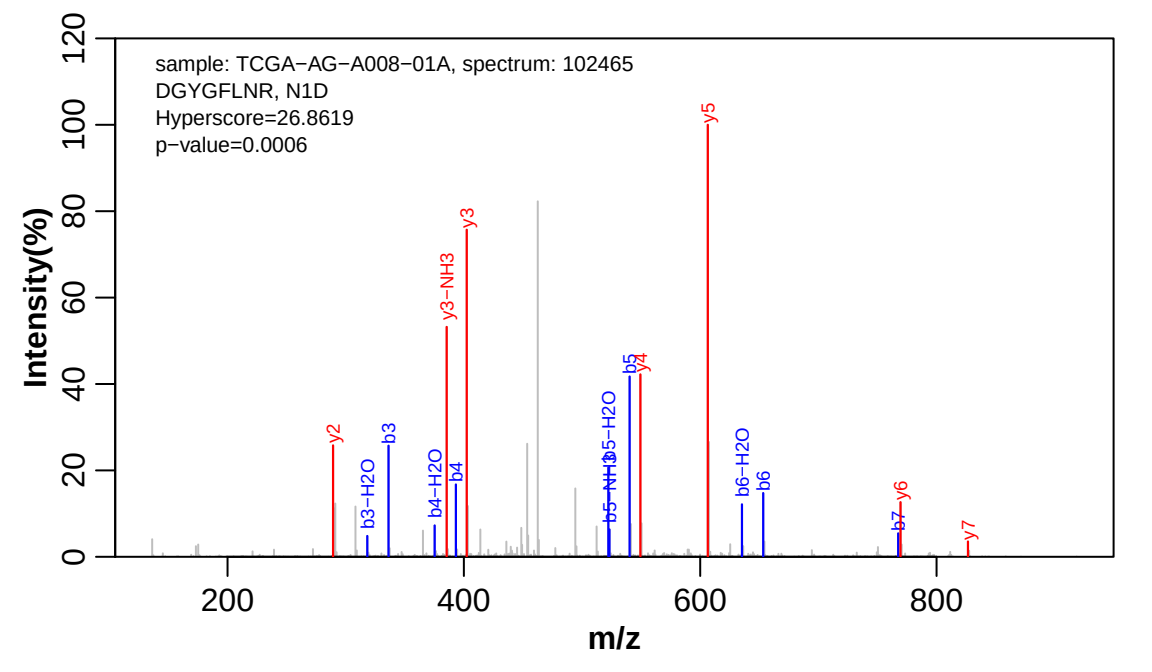

sample: TCGA−AG−A008−01A, spectrum: 36017
AHDGGLYALSWSPDSTR, H17R
Hyperscore=43.1450
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
b5
b6
y5
y6
b7−NH3
b7
b8
b9
b9−NH3
b9−H2O
y8
y7−H2O
y7−NH3
b10
y9
y10
b11−H2O
b11−NH3
b11
b12−H2O
b12
y11
y12
b14−H2O
b14
y14
y15

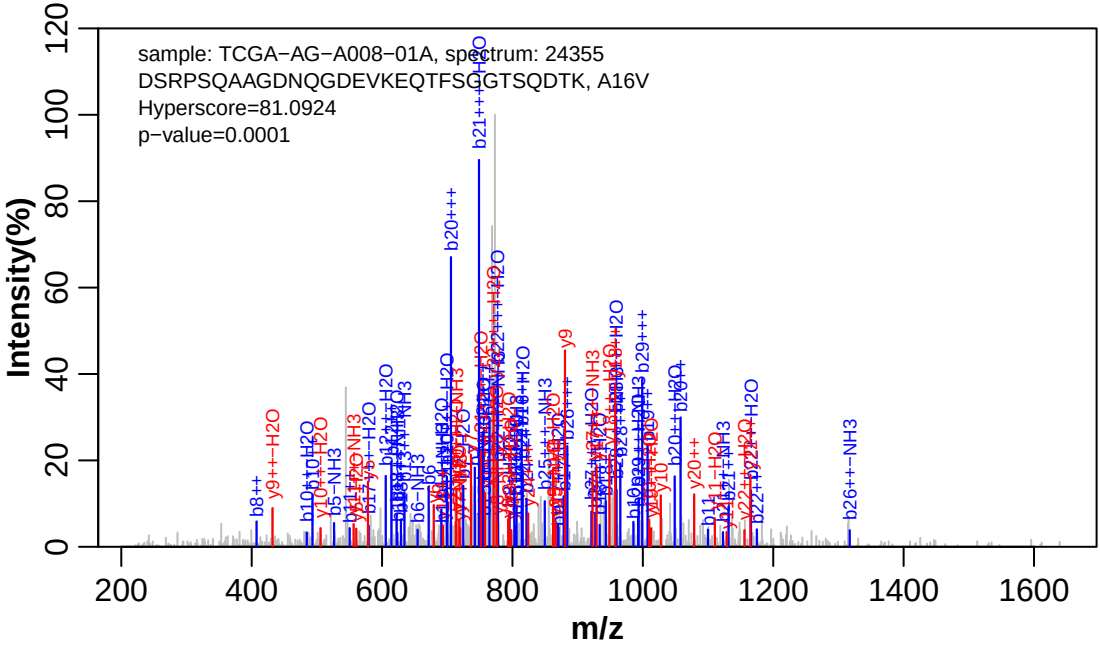

sample: TCGA−AG−A008−01A, spectrum: 82217
APPRPGPVPEAAQPFLSTTR, P19T
Hyperscore=46.9286
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y7++
y7
y12++
b15++
b12++
b11++
b16++
b13++−H2O
b12++−H2O
b15++−H2O
y7−NH3
b12
b13

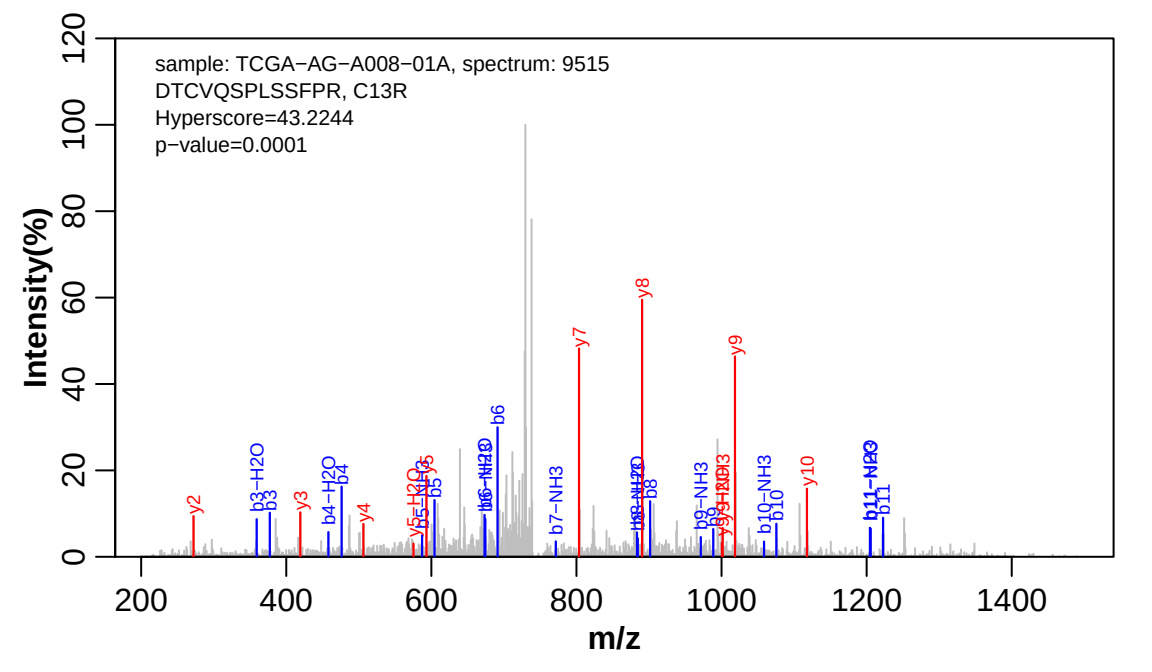

sample: TCGA−AG−A008−01A, spectrum: 43592
APSQHLSSFDPCFYR, R5H
Hyperscore=37.8953
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b10++
y5++
y5
b8++
y6++
b9++
b5−H2O
b10−H2O
y8++
y8++−H2O
b11++−H2O
y9++−H2O
b6
y10++
b7−H2O
b7
y12++−H2O
b8++
y13++
y11++−H2O
y11++
b9
y7
b10

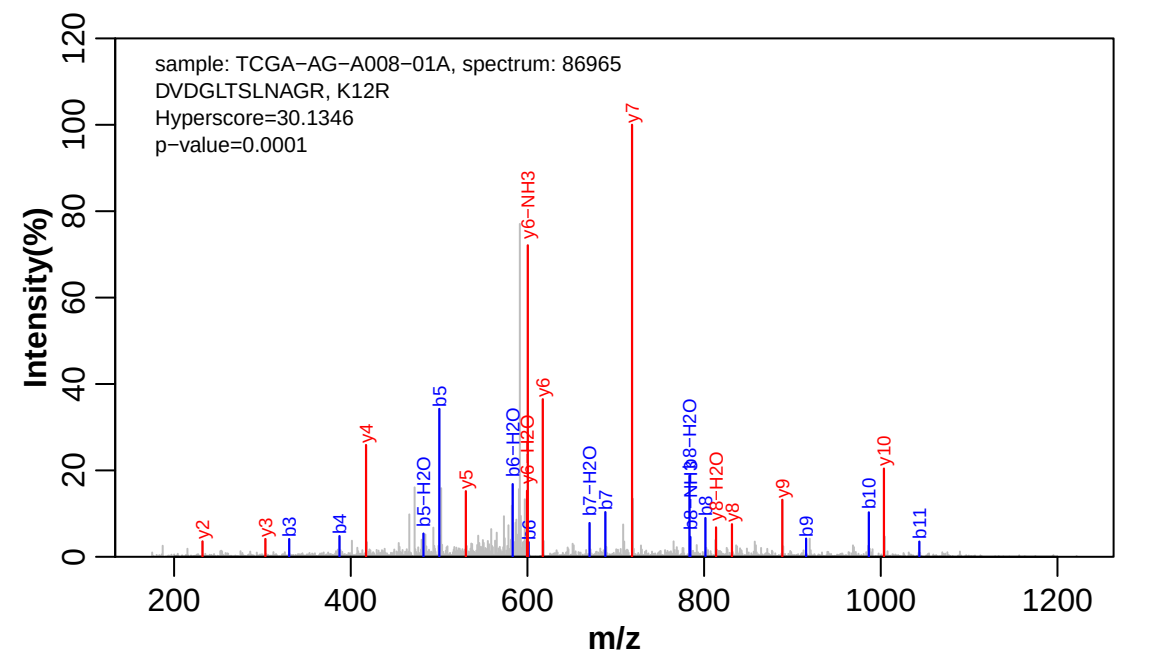

sample: TCGA−AG−A008−01A, spectrum: 6139
CSGLLQVLFSPLEEEVK, A3G
Hyperscore=27.5394
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y8
y10
y9
y7
b9
b8
y11
y12
y13
b14
y7−H2O
y9−H2O
y10−H2O
y12−NH3
y12−NH3
y6−NH3
b6−NH3
b7
b10

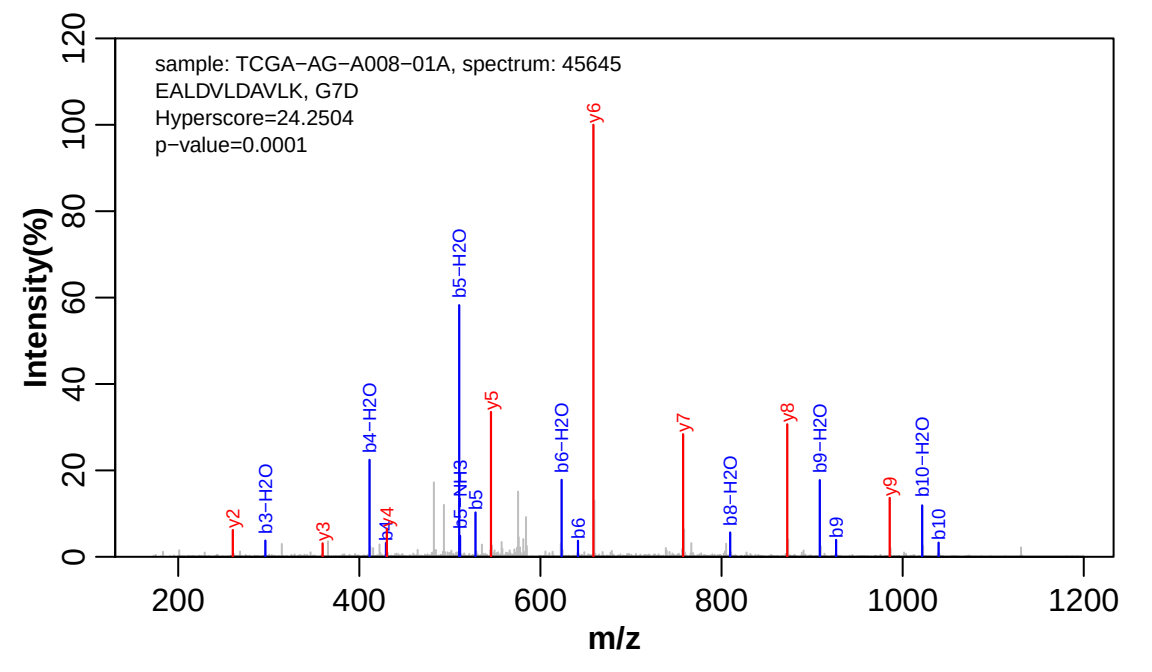

sample: TCGA−AG−A008−01A, spectrum: 20479
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=32.8450
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
b3
y4
b4
y5
y6−H2O
y6
b5
b6
y7−H2O
y7
b7−NH3
y8
b8−H2O
b8
y9
b9
y10−H2O
b10
y11
b11
y12
b12
b13
y14
b16

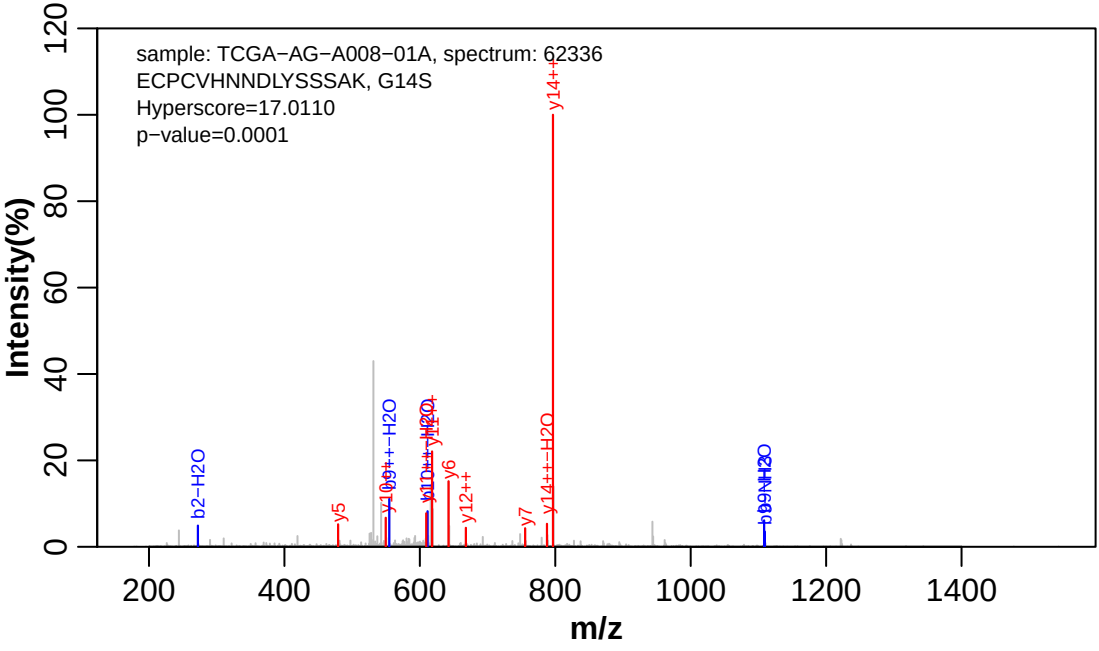

sample: TCGA−AG−A008−01A, spectrum: 102465
DGYGFLNR, N1D
Hyperscore=26.8619
p−value=0.0006
Intensity(%)
m/z
y5
y3
y3−NH3
y2
b3
b3−H2O
b4−H2O
b4
b5
y4
b5−NH3
b5−H2O
b6−H2O
b6
b7
y6
y7

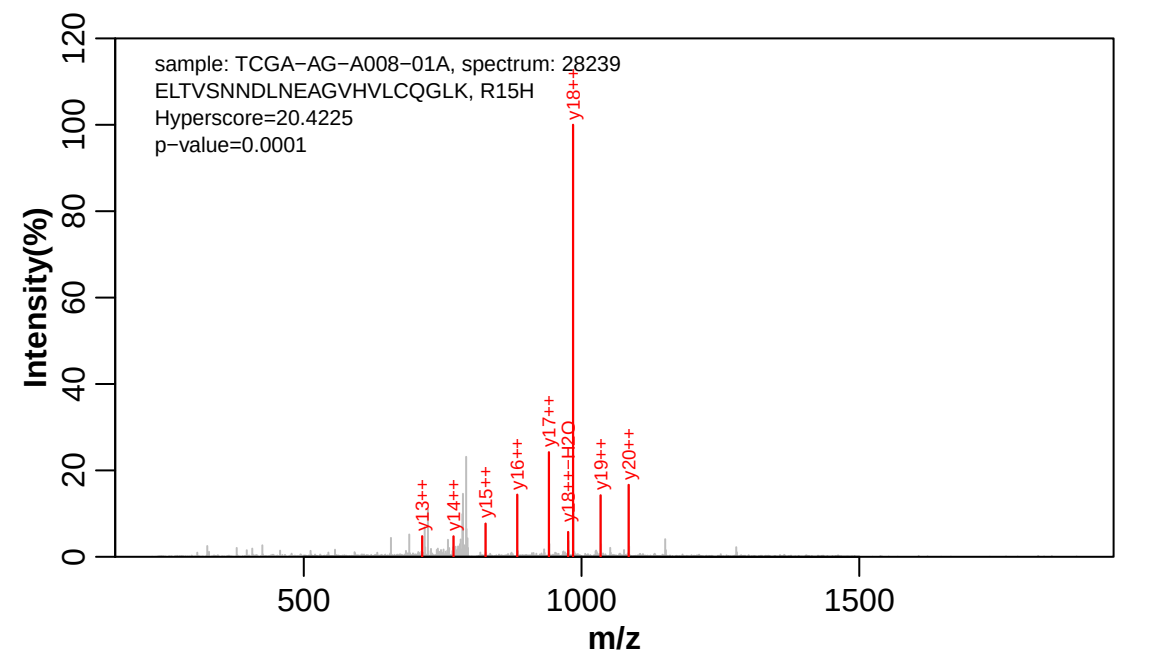

sample: TCGA−AG−A008−01A, spectrum: 24355
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=81.0924
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b8++
y9++−H2O
b26++−NH3
b21++−H2O
b20+++
y9
y20++

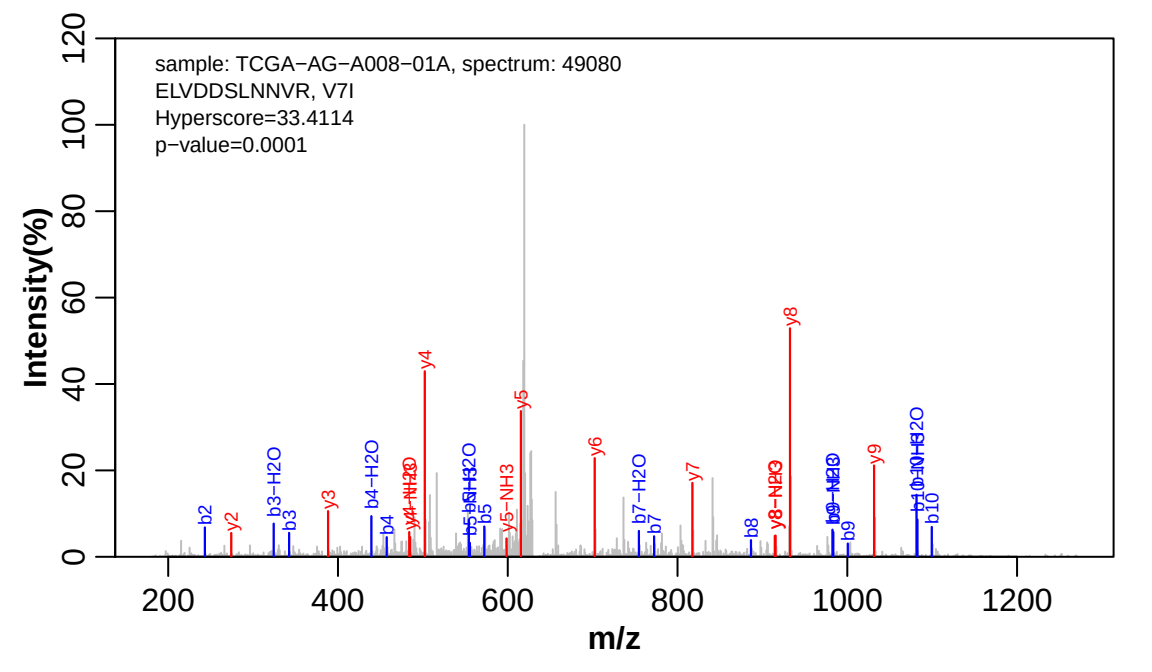

sample: TCGA−AG−A008−01A, spectrum: 9515
DTCVQSPLSSFPR, C13R
Hyperscore=43.2244
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6−NH3
b6
b7−NH3
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10−NH3
b10
y10
b11−NH3
b11

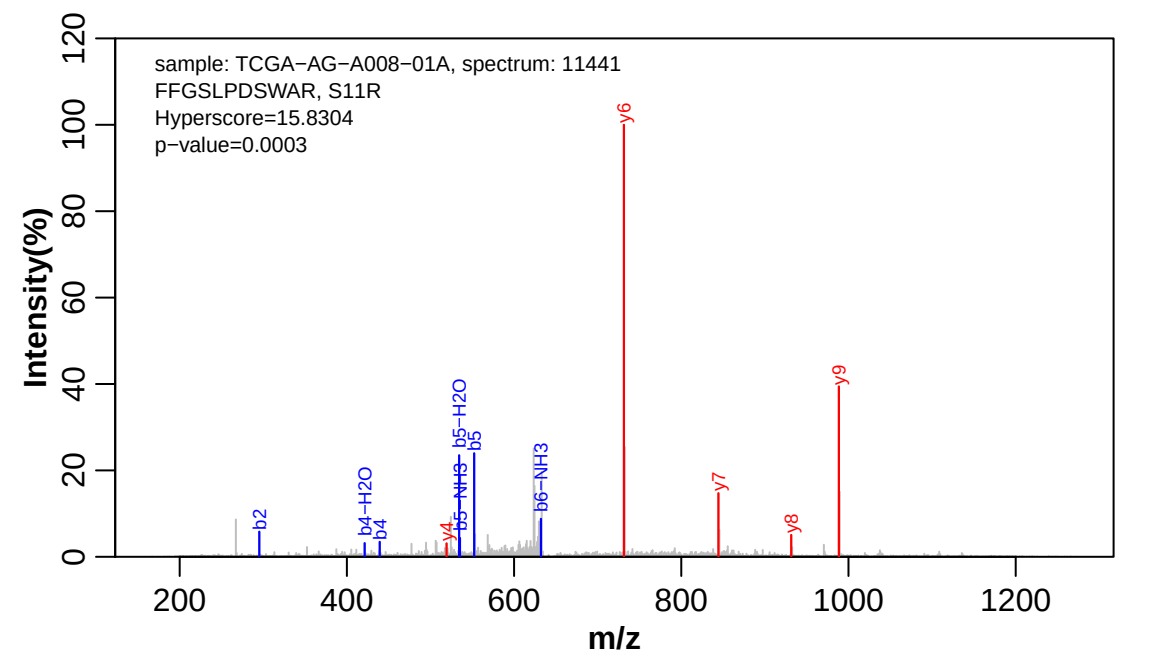

sample: TCGA−AG−A008−01A, spectrum: 86965
DVDGLTSLNAGR, K12R
Hyperscore=30.1346
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y3
b3
b4
y4
b5−H2O
b5
y5
b6−H2O
y6−H2O
y6−NH3
b6
y6
b7−H2O
b7
b8−NH3
b8−H2O
b8
y8−H2O
y8
y7
y9
b9
b10
y10
b11

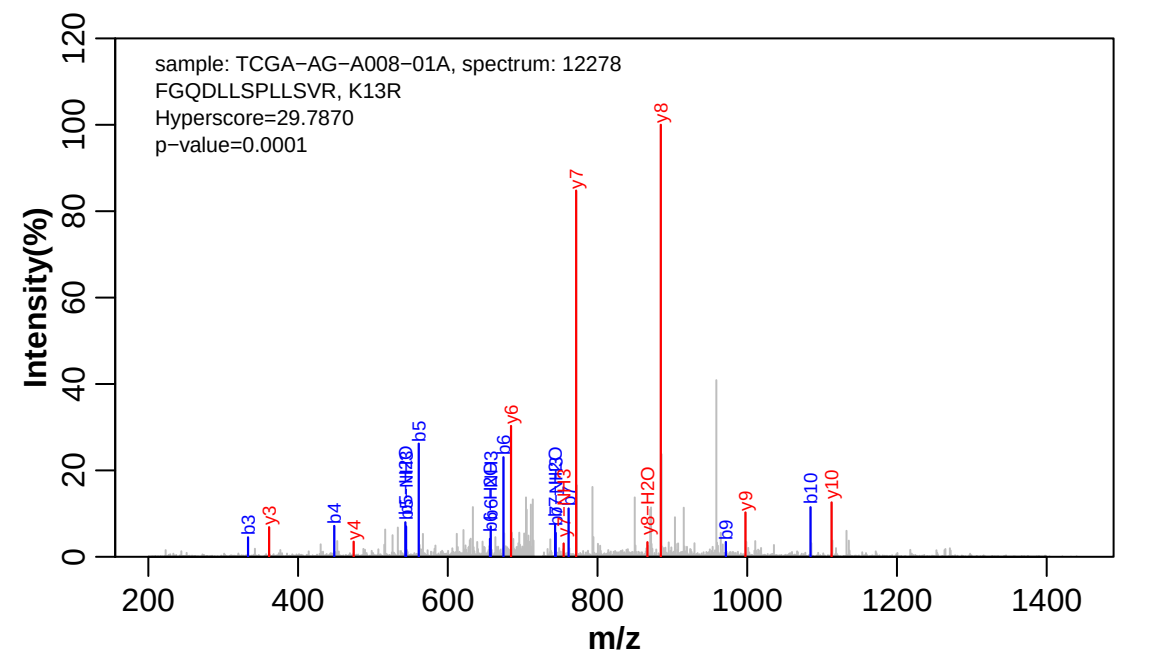

sample: TCGA−AG−A008−01A, spectrum: 45645
EALDVLDAVLK, G7D
Hyperscore=24.2504
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
b4
b5−NH3
b5
b5−H2O
y5
y6
b6−H2O
b6
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

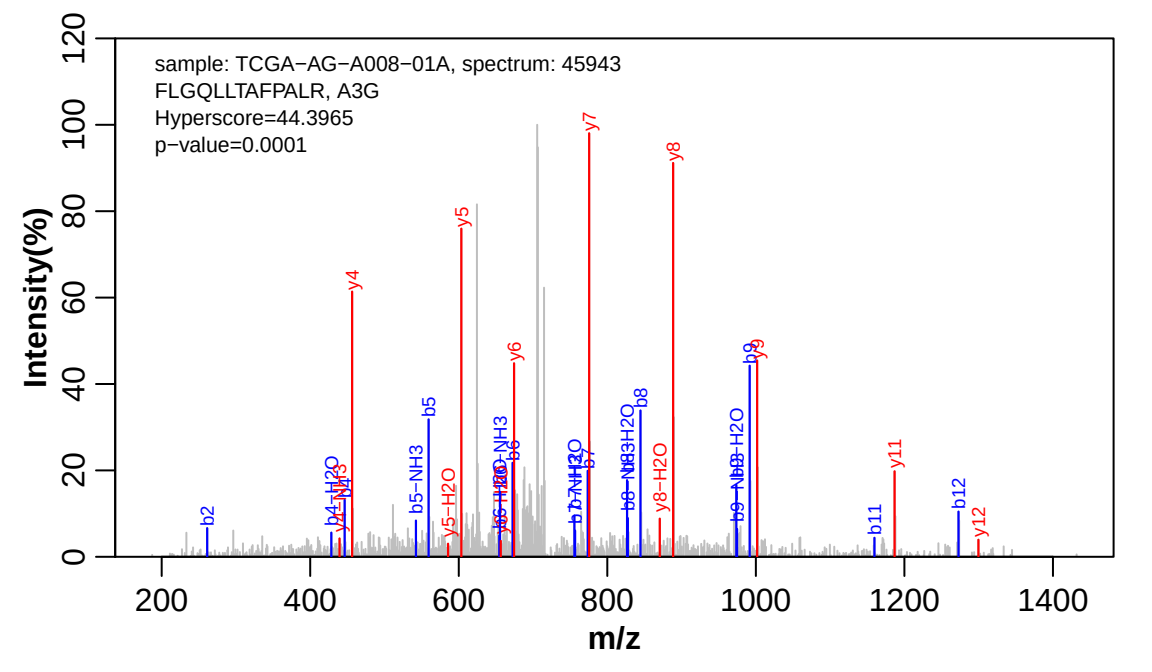

sample: TCGA−AG−A008−01A, spectrum: 62336
ECPCVHNNDLYSSSAK, G14S
Hyperscore=17.0110
p−value=0.0001
Intensity(%)
m/z
b2−H2O
y5
y6
y7
y12++
y14++
y14++−H2O

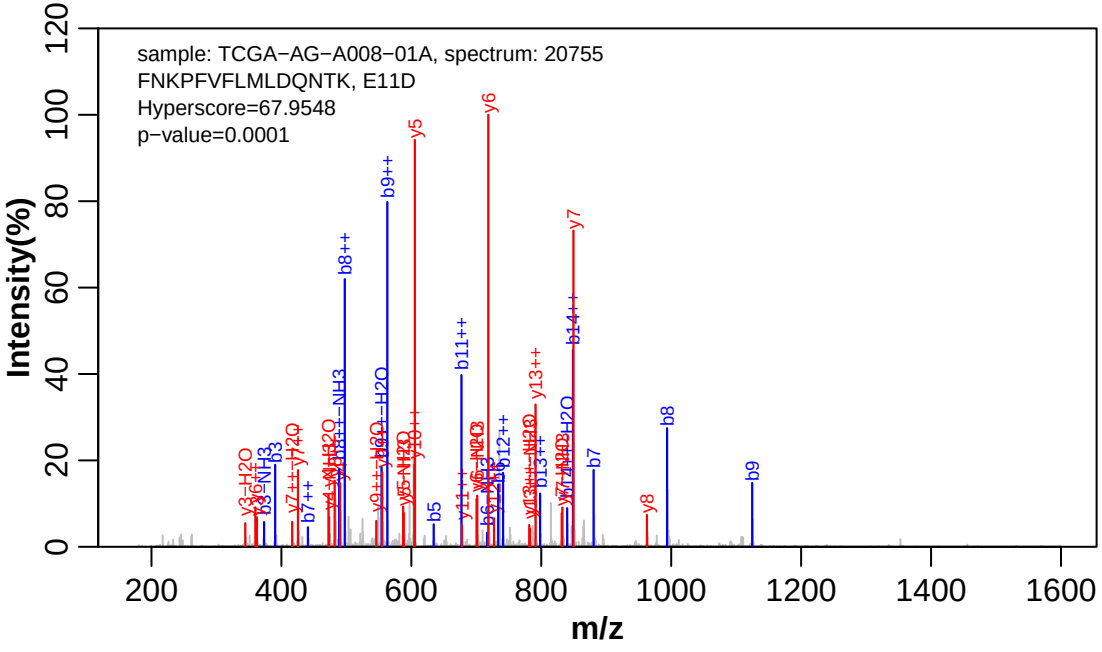

sample: TCGA−AG−A008−01A, spectrum: 28239
ELTVSNNDLNEAGVHVLCQGLK, R15H
Hyperscore=20.4225
p−value=0.0001
y18++
y17++
y18++−H2O
y16++
y19++
y20++
y15++
y14++
y13++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

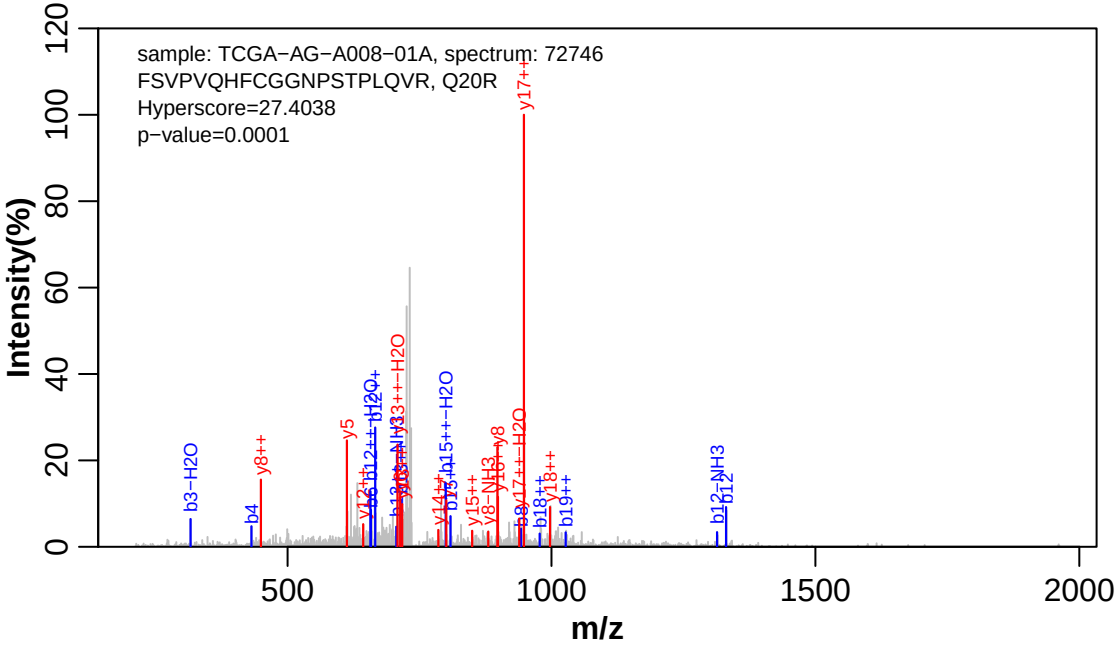

sample: TCGA−AG−A008−01A, spectrum: 49080
ELVDDSLNNVR, V7I
Hyperscore=33.4114
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
y5
b5
y5−NH3
y6
b7−H2O
b7
y7
b8
y8
y8−NH3
y9
b9
b10
b10−NH3
b10−H2O

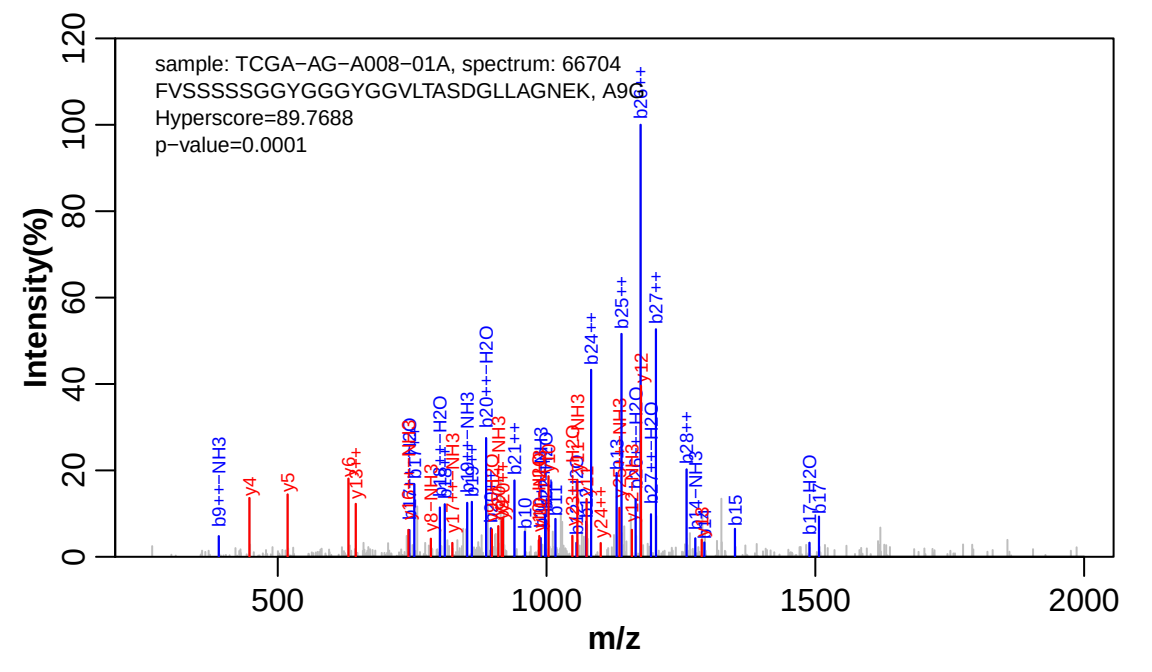

sample: TCGA−AG−A008−01A, spectrum: 11441
FFGSLPDSWAR, S11R
Hyperscore=15.8304
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

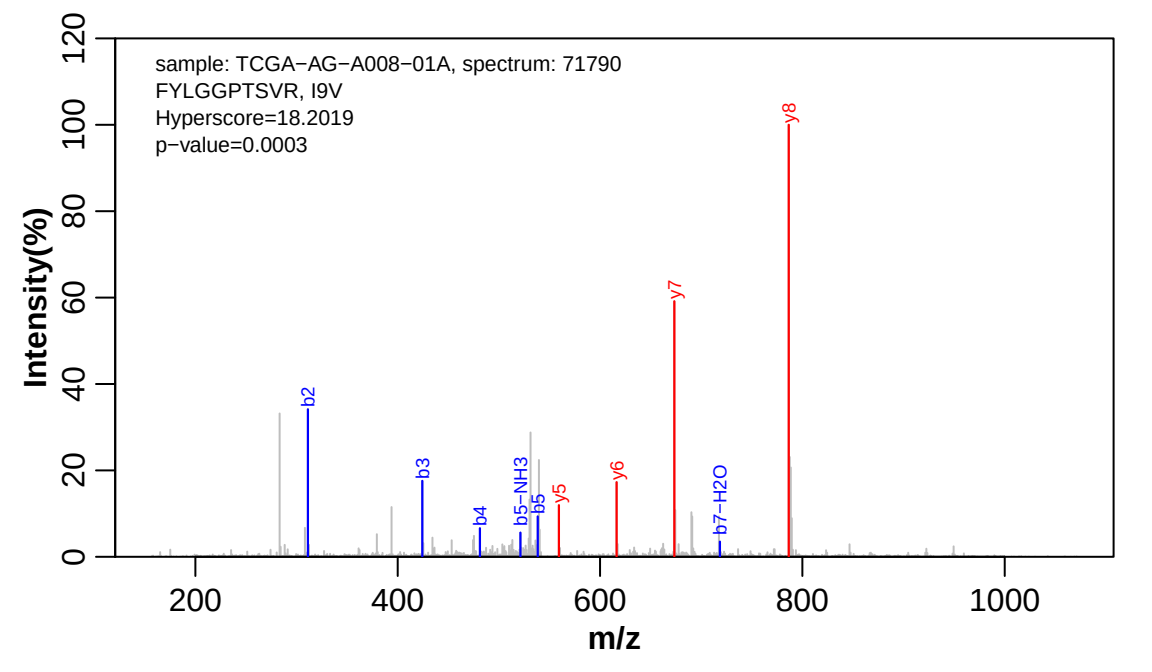

sample: TCGA−AG−A008−01A, spectrum: 12278
FGQDLLSPLLSVR, K13R
Hyperscore=29.7870
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4
y4
b5
y6
y7
y8
y8−H2O
y9
b9
b10
y10

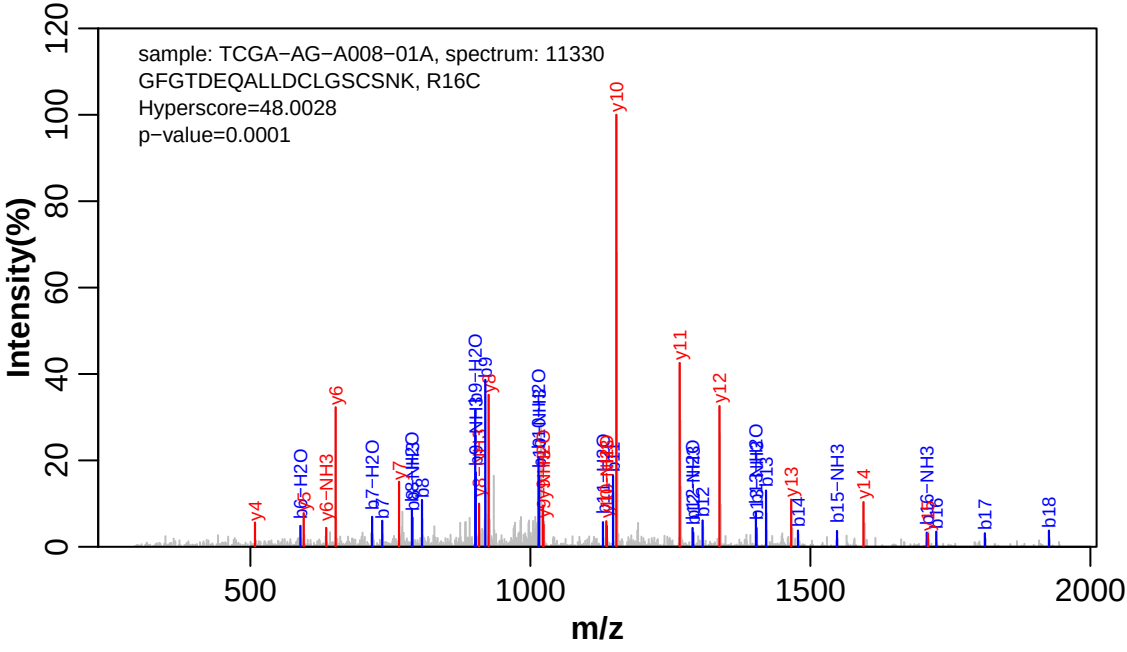

sample: TCGA−AG−A008−01A, spectrum: 45943
FLGQLLTAFPALR, A3G
Hyperscore=44.3965
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y4
b5
y5
y6
y7
y8
y9
b8
b9
y11
b12
y12
b11
b5−NH3
y5−H2O
y8−H2O
b9−H2O

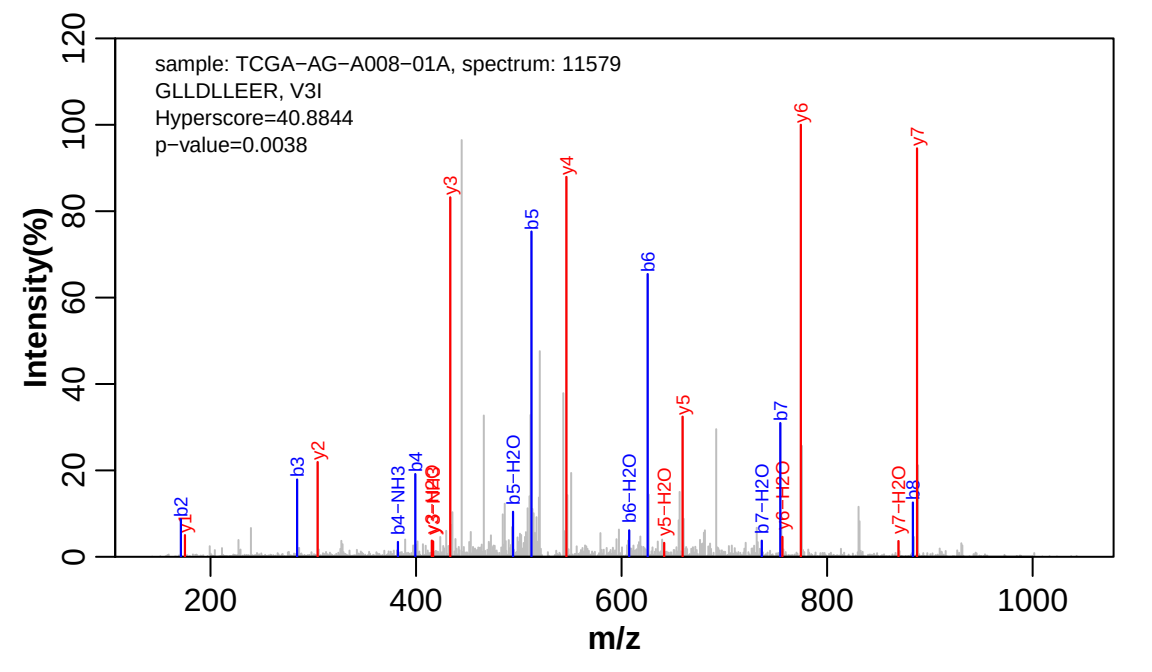

sample: TCGA−AG−A008−01A, spectrum: 20755
FNKPFVFLMLDQNTK, E11D
Hyperscore=67.9548
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y5
b9++
b8++
y7
b14++
b11++
y13++
b8
b7
b9
y8
b5
b7++
b3
y3−H2O
y3−NH3
y7++
y7−H2O
y7−NH3
y8++
y9++
y9−H2O
y9−NH3
y10++
y11++
b12++
b13++
y12++
b13−H2O
b13−NH3
y12−H2O
y12−NH3
b14−H2O
b14−NH3

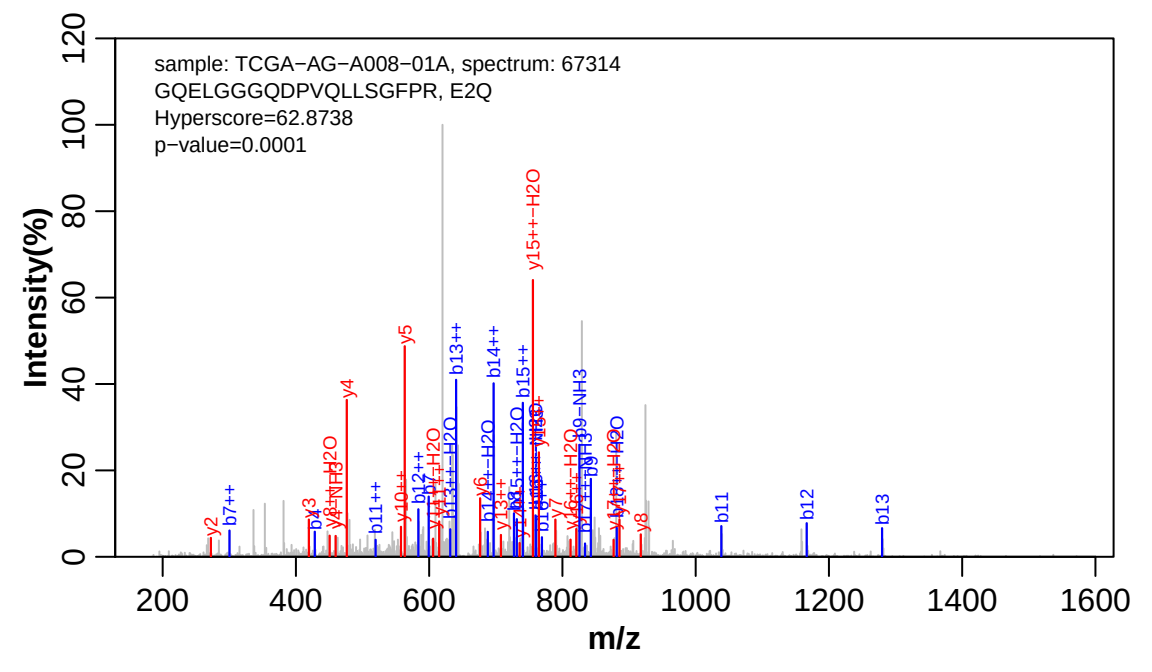

sample: TCGA−AG−A008−01A, spectrum: 72746
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=27.4038
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b4
y8++
y5
y17++
y15++−H2O
y15++
b18++
b19++
b12−NH3

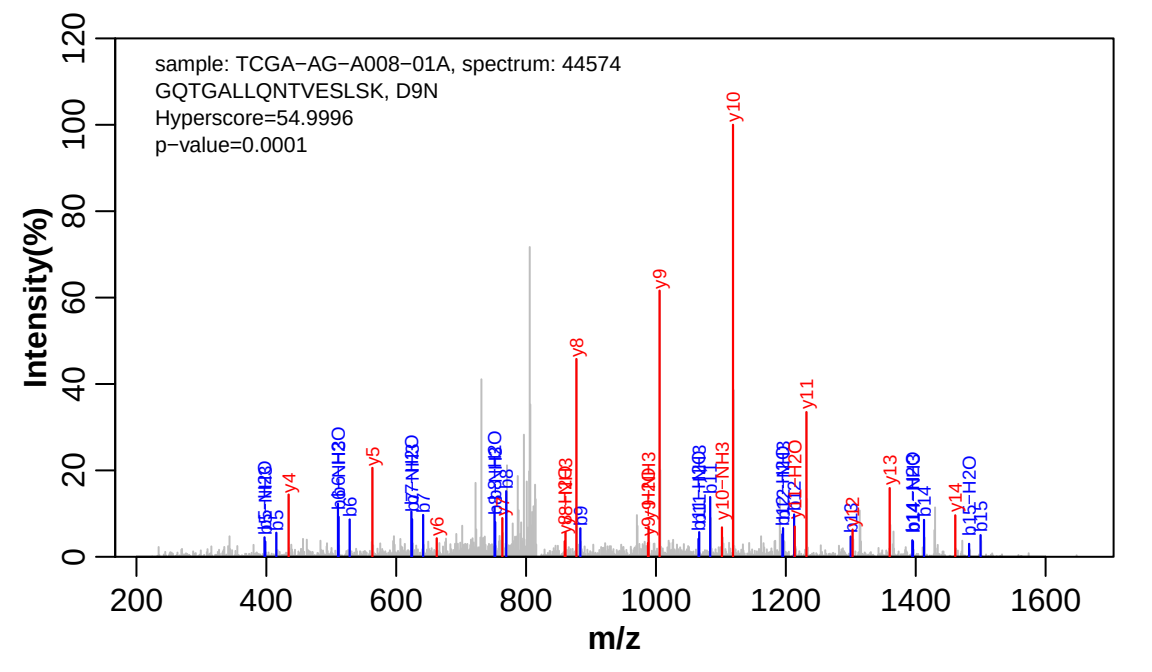

sample: TCGA−AG−A008−01A, spectrum: 66704
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A961
Hyperscore=89.7688
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y13++
y6
b20++−H2O
b21++
b24++
y24++
b25++
b27++
y12
b26++
b28++
b15
b17−H2O

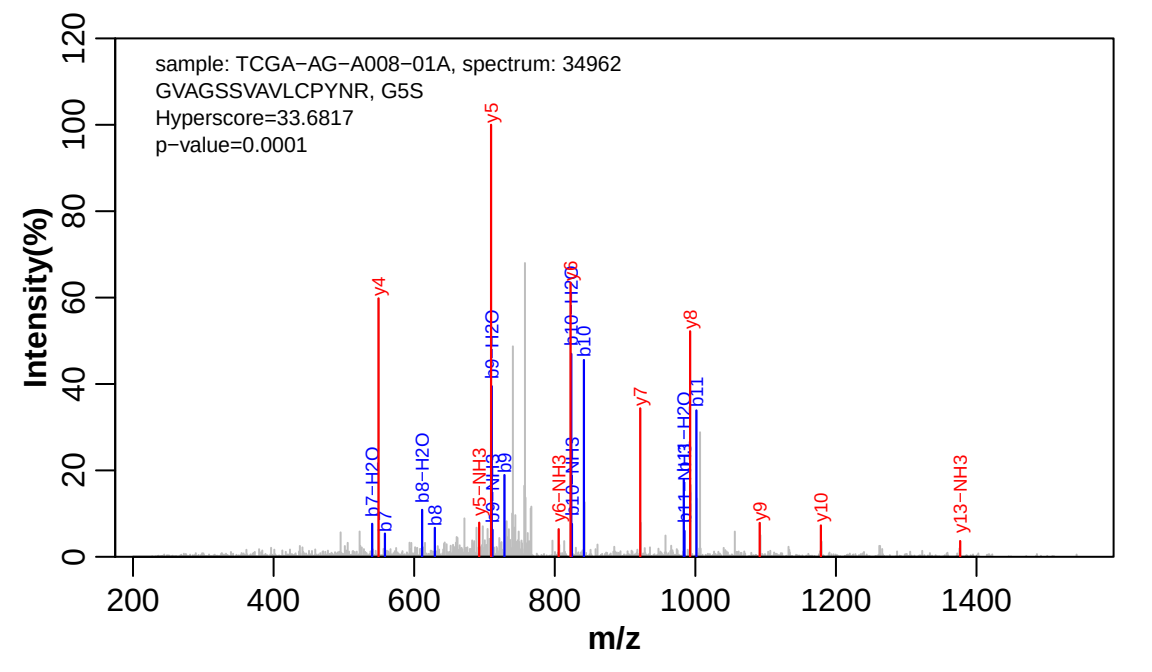

sample: TCGA−AG−A008−01A, spectrum: 71790
FYLGGPTSVR, I9V
Hyperscore=18.2019
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
b4
b5−NH3
b5
y5
y6
y7
y8
b7−H2O

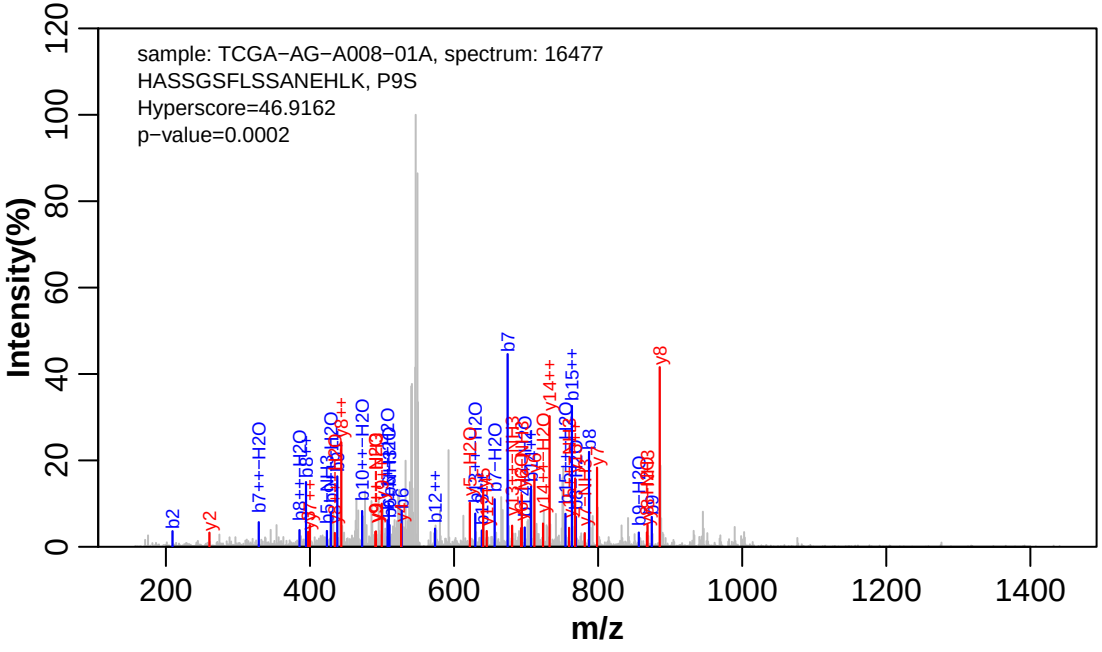

sample: TCGA−AG−A008−01A, spectrum: 11330
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=48.0028
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10
y11
y12
y6
y4
y14
y13
y7
b6−H2O
b6
y6−NH3
b7−H2O
b7
b8−NH3
b8
b8−H2O
b9−H2O
y8
b11−H2O
b11
b12−NH3
b12
b13
b14
b15−NH3
b16−NH3
b16
b18
b17

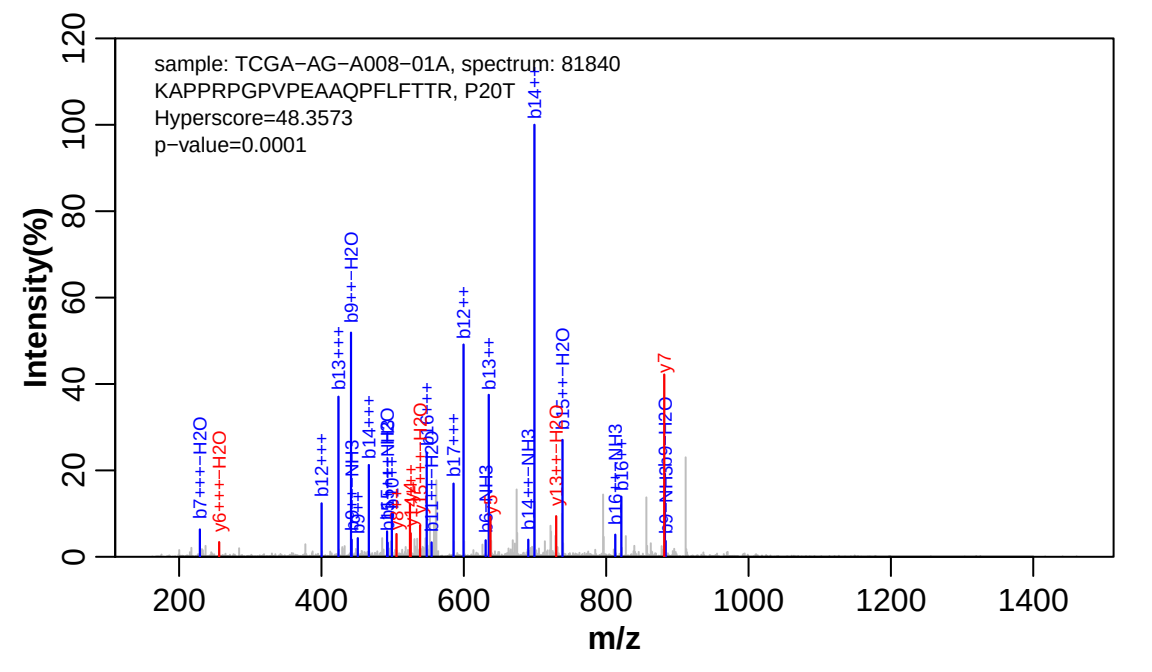

sample: TCGA−AG−A008−01A, spectrum: 11579
GLLDLLEER, V3I
Hyperscore=40.8844
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y2
b4−NH3
b4
y3−NH3
y3
b5−H2O
b5
y4
b6−H2O
b6
y5−H2O
y5
b7−H2O
b7
y6−H2O
y6
y7−H2O
b8
y7

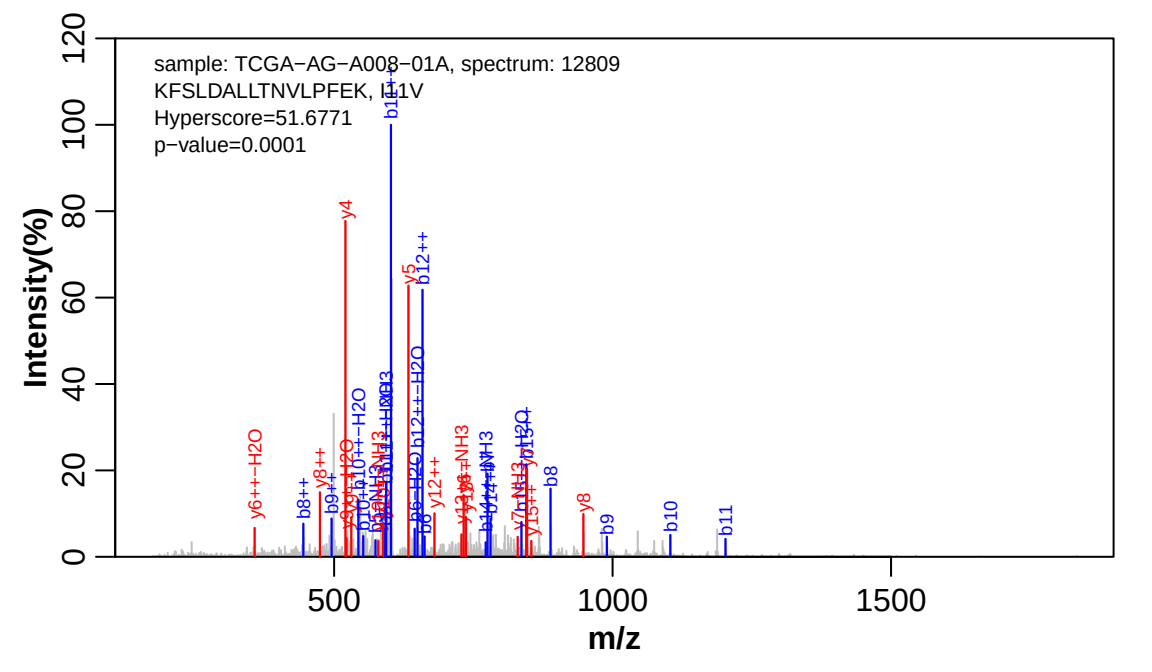

sample: TCGA−AG−A008−01A, spectrum: 67314
GQELGGGQDPVQLLSGFPR, E2Q
Hyperscore=62.8738
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b7++
b4
y3
y8−NH3
y8−H2O
y4
y4−NH3
y4−H2O
b11++
y5
y10++
b12++
y11++
y11++−H2O
b13++
b13++−H2O
y6
b12+−H2O
b14++
y13++
b15++−H2O
b15++
y15++−H2O
y15++
y7
y6++−H2O
y6++
b9++−NH3
b9++
y15++−NH3
y15++−H2O
y10++−H2O
y8
b11
b12
b13

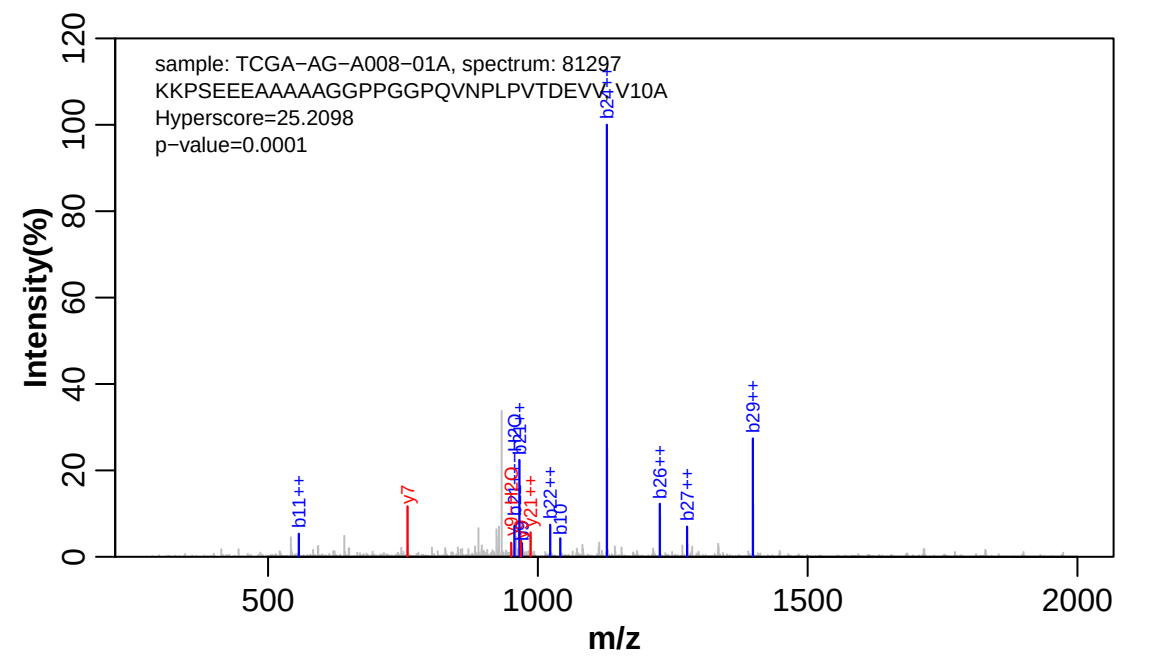

sample: TCGA−AG−A008−01A, spectrum: 44574
GQTGALLQNTVESLSK, D9N
Hyperscore=54.9996
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y5
y4
y6
y13
y14
b15−H2O
b6−NH3
b7−NH3
b8
b9
b12
b13
b14
b15
y10−NH3

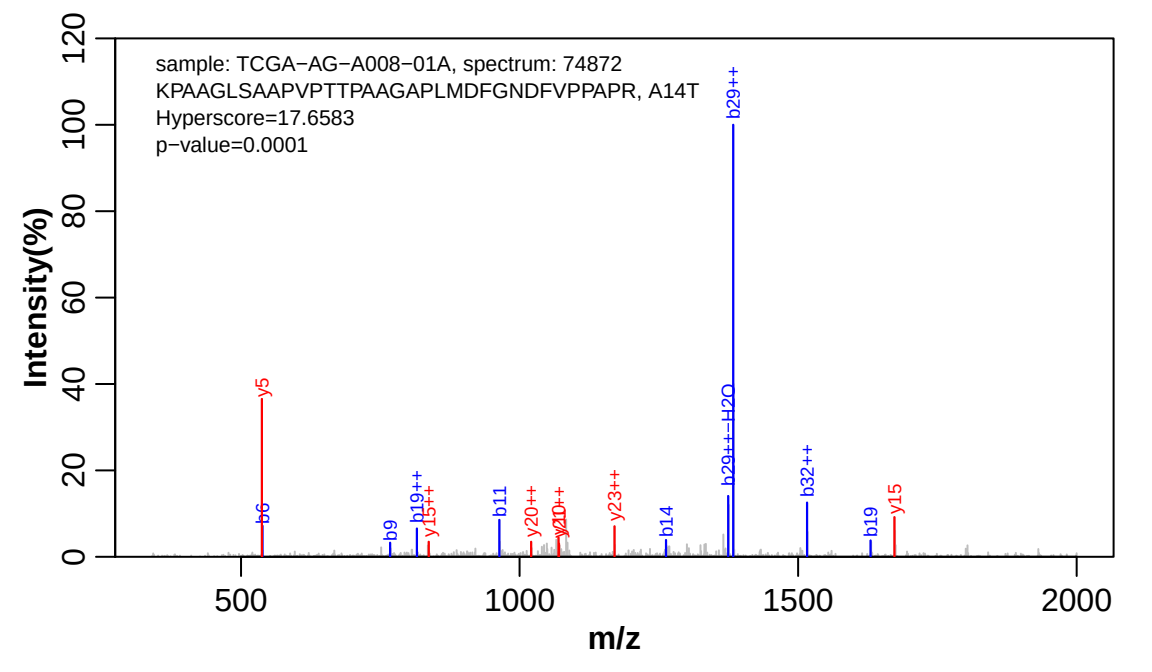

sample: TCGA−AG−A008−01A, spectrum: 34962
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.6817
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y4
b9−H2O
b10−H2O
b10
y8
y7
b11
b7−H2O
b8−H2O
b7
b8
y5−NH3
b9−NH3
b9
y6−NH3
b10−NH3
b11−NH3−H2O
y9
y10
y13−NH3

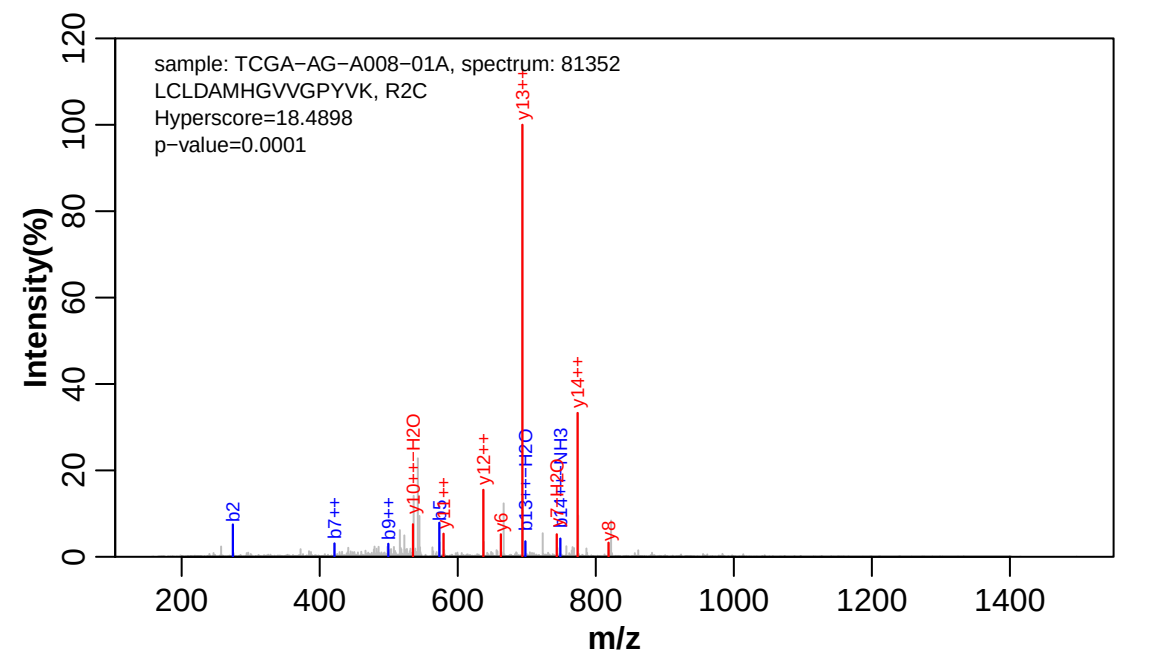

sample: TCGA−AG−A008−01A, spectrum: 16477
HASSGSFLSSANEHLK, P9S
Hyperscore=46.9162
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b7++−H2O
b8++
b8++−H2O
y7++
b5++−NH3
b5++−H2O
y8++
b10++−H2O
b10++−NH3
b12++
b7
b7−H2O
y14++
b15++
y8
b8−H2O

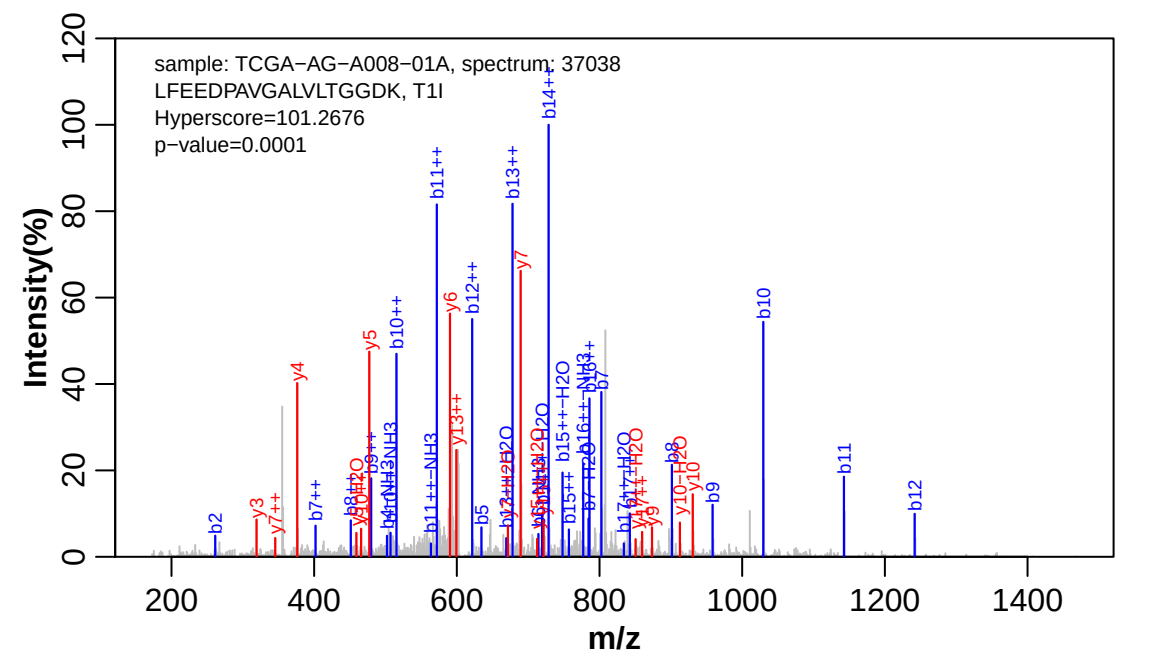

sample: TCGA−AG−A008−01A, spectrum: 81840
KAPPRPGPVPEAAQPFLFTTR, P20T
Hyperscore=48.3573
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b7+++−H2O
y6+++−H2O
b12+++
b13+++
b9++−H2O
b14+++
b12++
b13++
b14++
b14++−NH3
y13++−H2O
y7
b15+++−H2O
b16++−NH3
b9++−NH3
y9+++−H2O

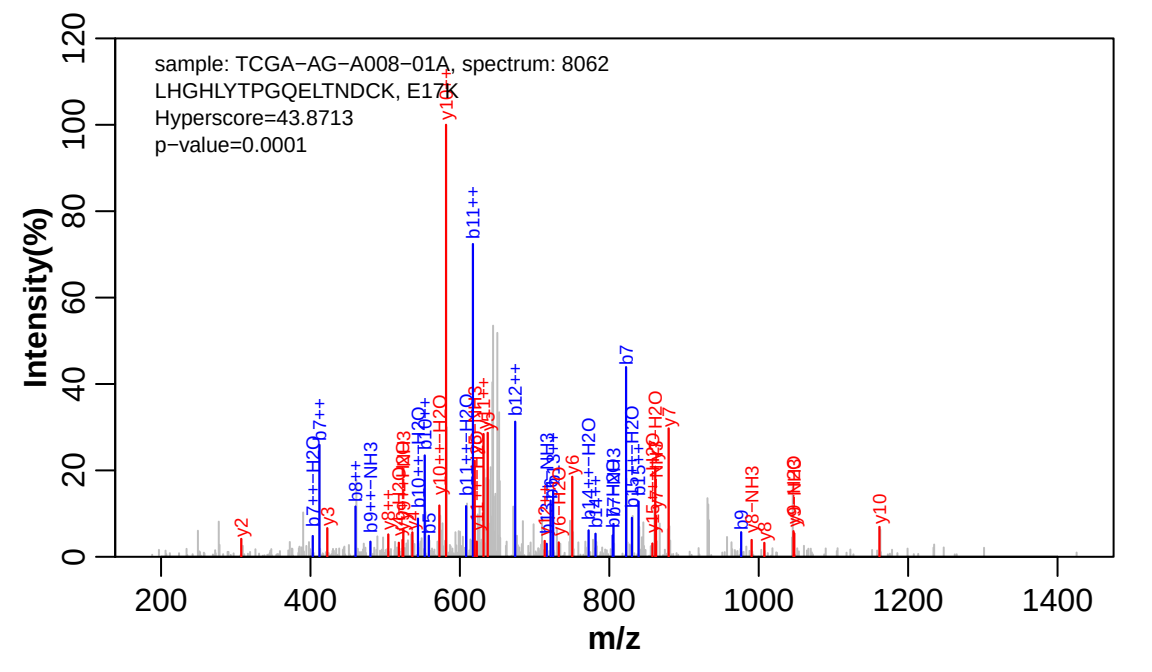

sample: TCGA−AG−A008−01A, spectrum: 12809
KFSLDALLTNVLPFEK, I11V
Hyperscore=51.6771
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b11++
y4
y5
b12++
y6++−H2O
b8++
y8++
b9++
b10++−H2O
b12++−H2O
b8
y12++
y8
b9
b10
b11

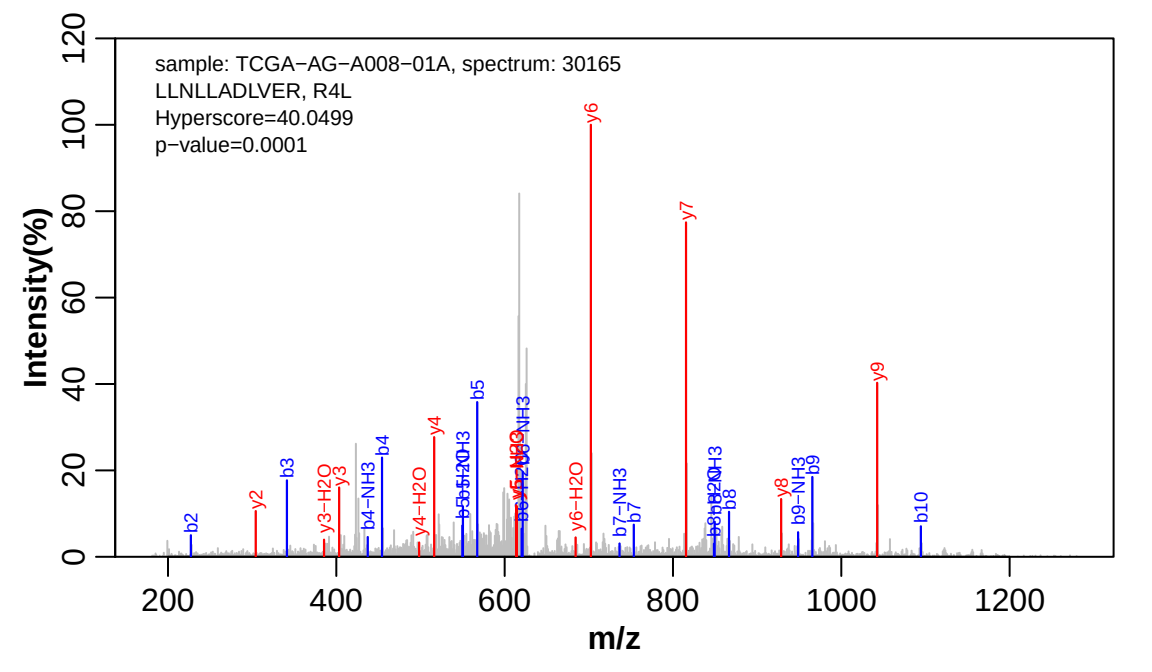

sample: TCGA−AG−A008−01A, spectrum: 81297
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV+V10A
Hyperscore=25.2098
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
b29++
b26++
b27++
b11++
y7
b22++
b10
y21++

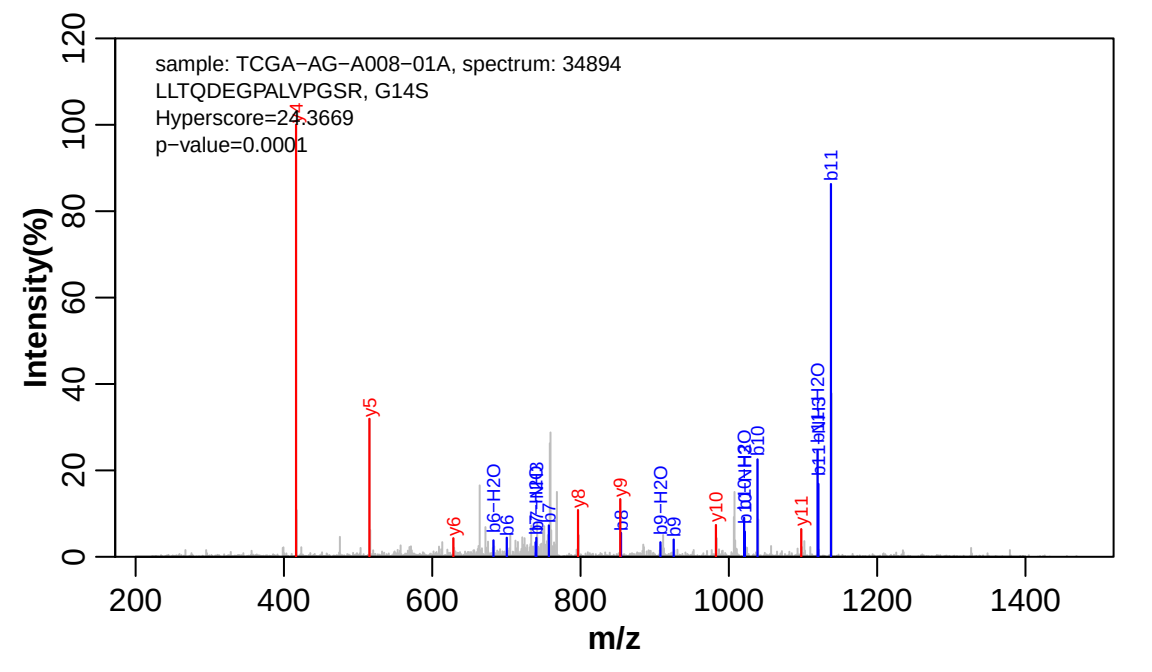

sample: TCGA−AG−A008−01A, spectrum: 74872
KPAAGLSAAPVPTTPAAGAPLMDFGNDFVPPAPR, A14T
Hyperscore=17.6583
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
y5
b6
b9
b19++
y13++
b11
y20++
y21++
y23++
b14
b29++
b29++−H2O
b32++
b19
y15

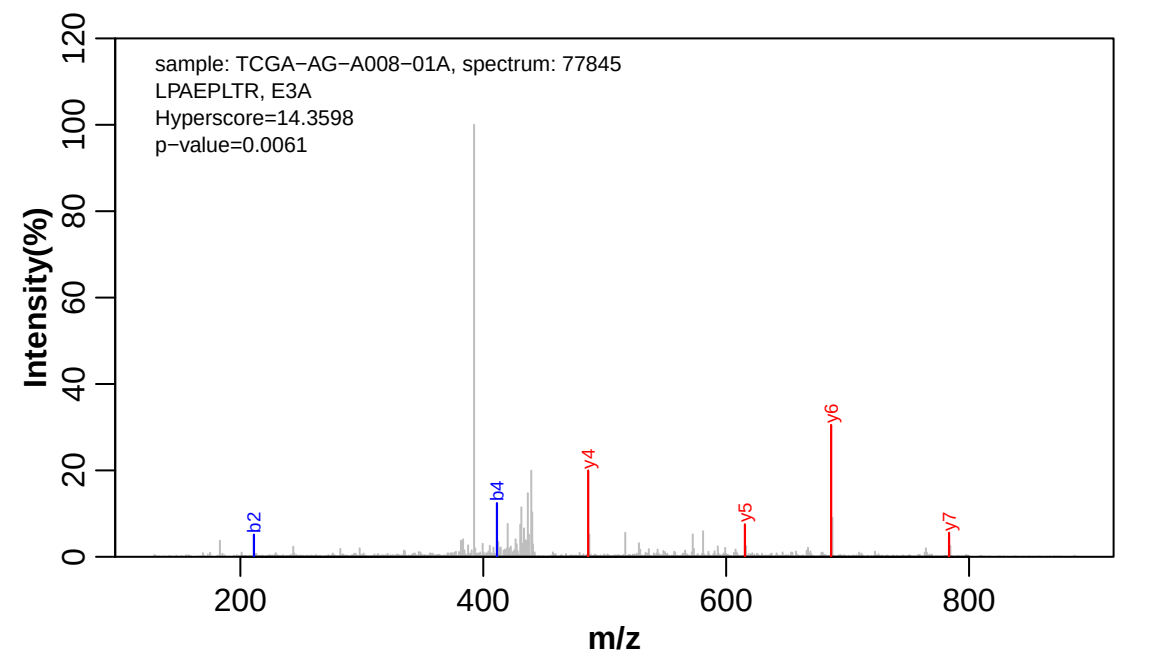

sample: TCGA−AG−A008−01A, spectrum: 81352
LCLDAMHGVVGPYVK, R2C
Hyperscore=18.4898
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b7++
b9++
y10++−H2O
y9++
y12++
y6−
b13++−H2O
b7++−NH3
y14++
y8
y13++

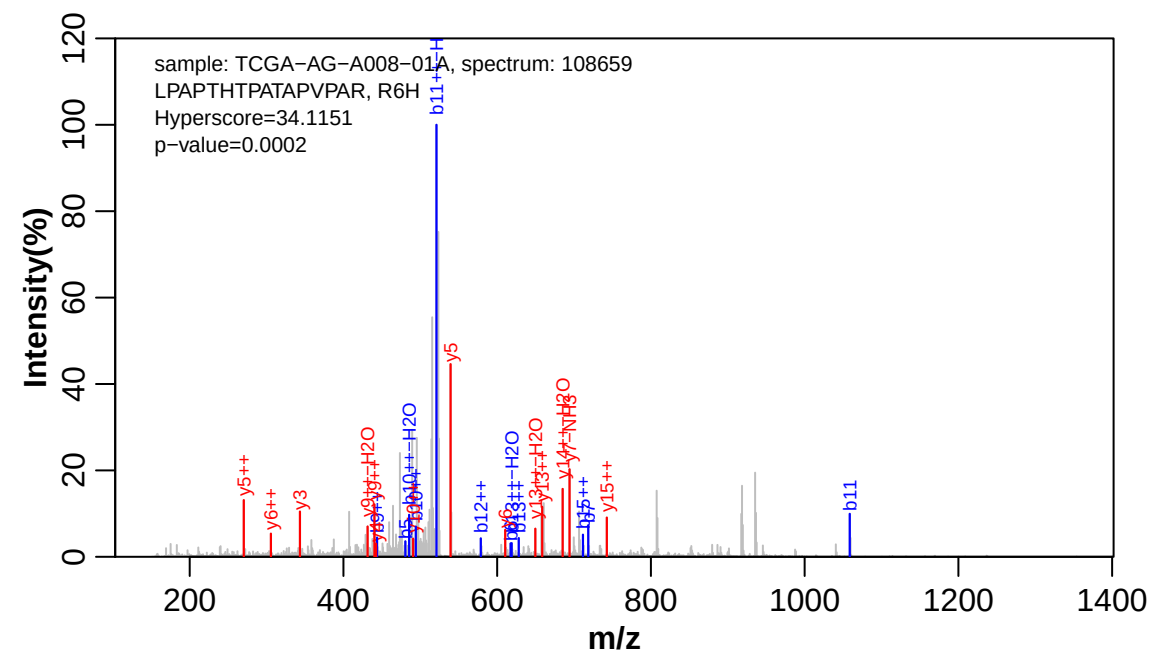

sample: TCGA−AG−A008−01A, spectrum: 37038
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=101.2676
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y7++
y4
b7++
y5
b10++
b11++−NH3
b11++
y6
b12++
y13+++
b5
y7
b13++
b14++
b15++
b15++−H2O
b16++−NH3
b7
b10
b11
b12
b9
y10−H2O
b8
y9

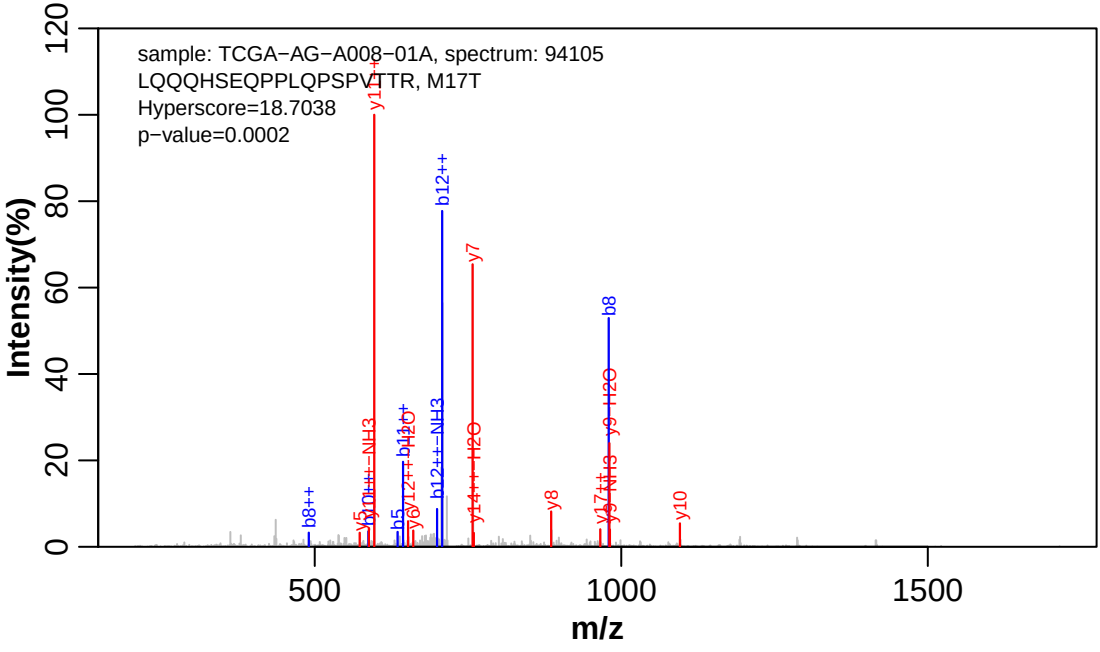

sample: TCGA−AG−A008−01A, spectrum: 8062
LHGHLYTPGQELTNDCK, E17K
Hyperscore=43.8713
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10++
b11++
b12++
b7
y7
y10

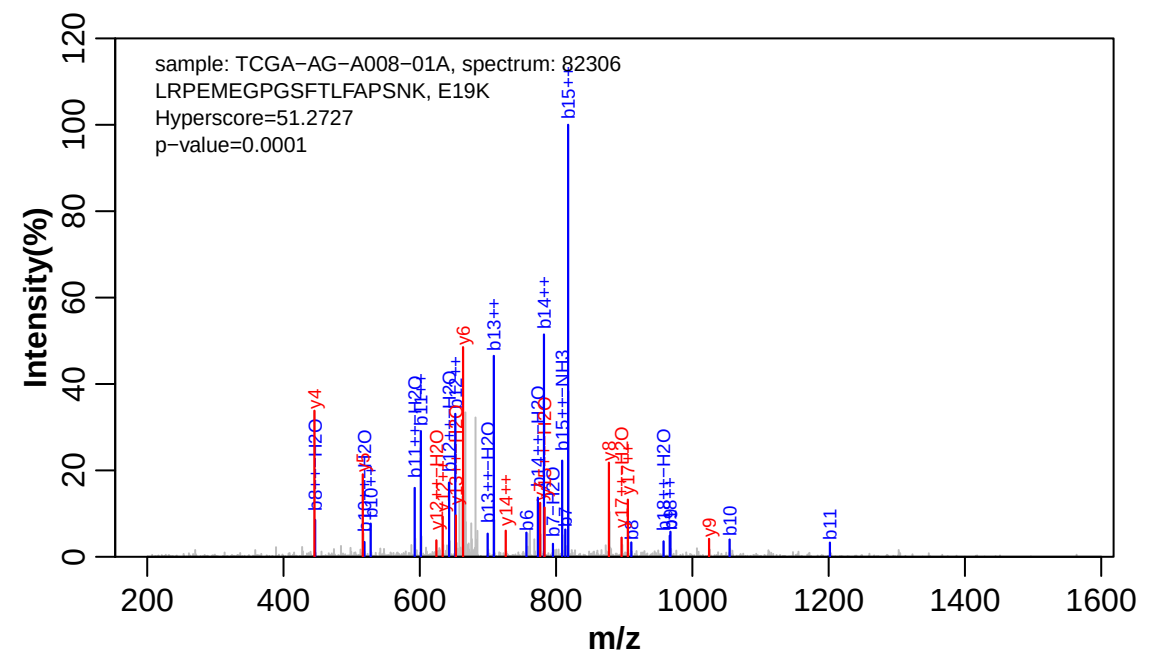

sample: TCGA−AG−A008−01A, spectrum: 30165
LLNLLADLVER, R4L
Hyperscore=40.0499
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3−H2O
y3
b4−NH3
b4
y4−H2O
y4
b5
y6
y6−H2O
b7−NH3
b7
y7
b8
y8
b9−NH3
b9
y9
b10

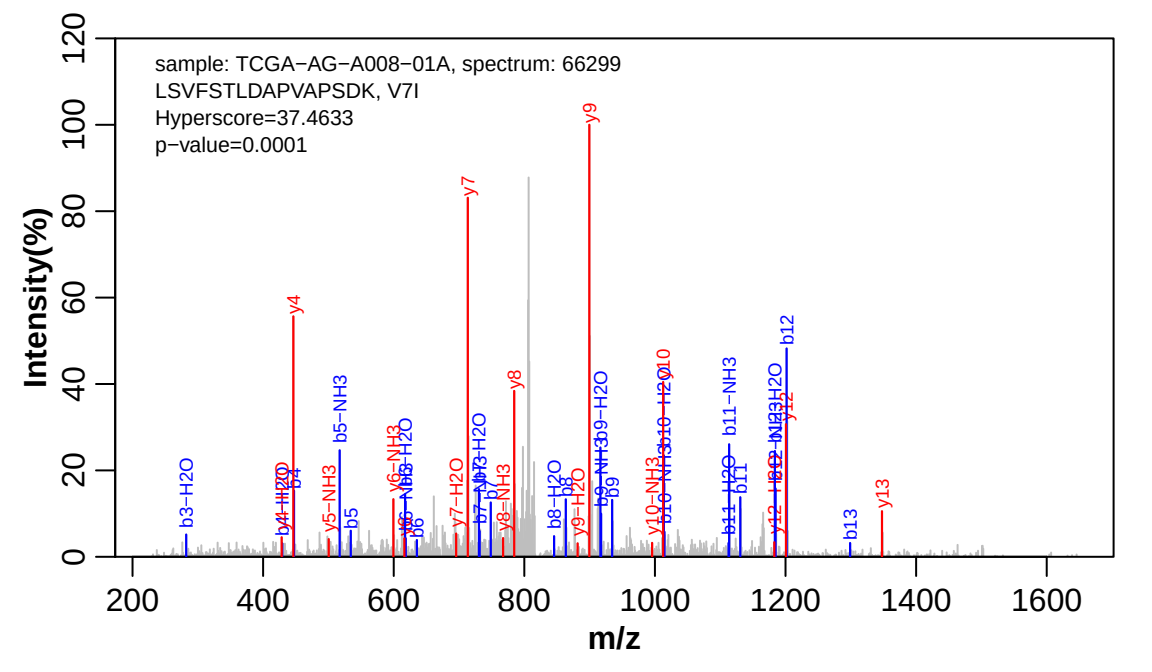

sample: TCGA−AG−A008−01A, spectrum: 34894
LLTQDEGPALVPGSR, G14S
Hyperscore=24.3669
p−value=0.0001
Intensity(%)
m/z
y4
y5
y6
b6−H2O
b6
b7−NH3
b7
y8
b8−y9
b9−H2O
b9
y10
b10−NH3
b10
y11
b11−NH3−H2O
b11

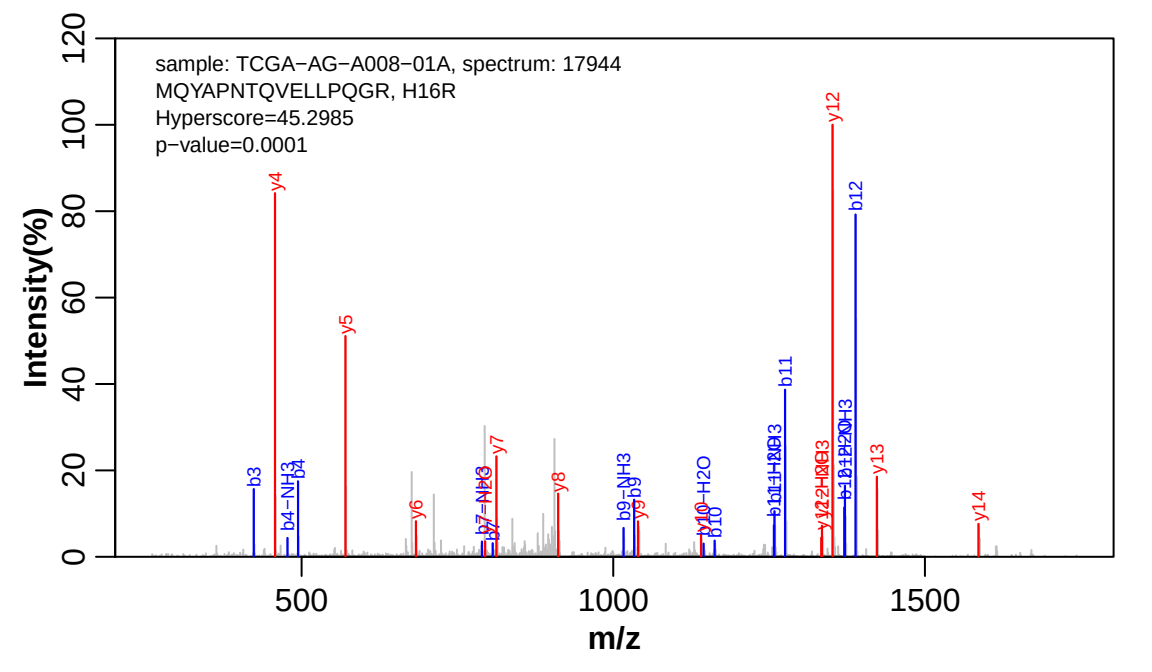

sample: TCGA−AG−A008−01A, spectrum: 77845
LPAEPLTR, E3A
Hyperscore=14.3598
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b4
y4
y5
y6
y7

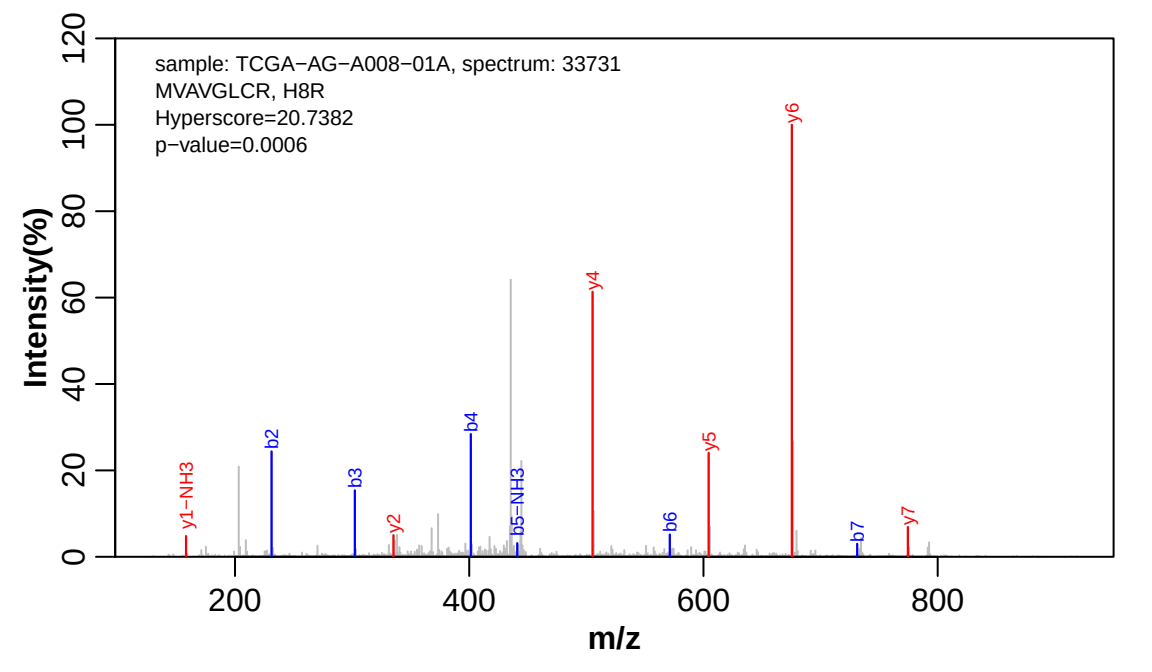

sample: TCGA−AG−A008−01A, spectrum: 108659
LPAPTHTPATAPVPAR, R6H
Hyperscore=34.1151
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b11++H
y5
y5++
y6++
y3
b12++
b11

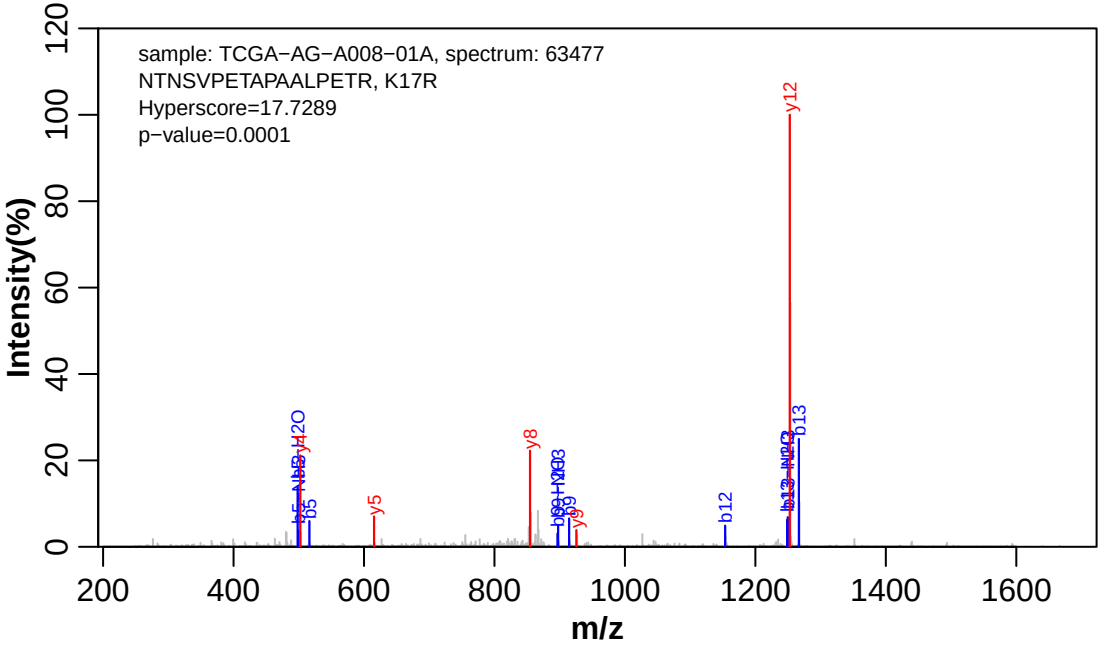

sample: TCGA−AG−A008−01A, spectrum: 94105
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=18.7038
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8++
y11++
y10++−NH3
y5
b5
y6
y12++
b11++
b12++−NH3
b12++
y14++ H2O
y7
y8
y17++
y9 NH3
y9 H2O
b8
y10

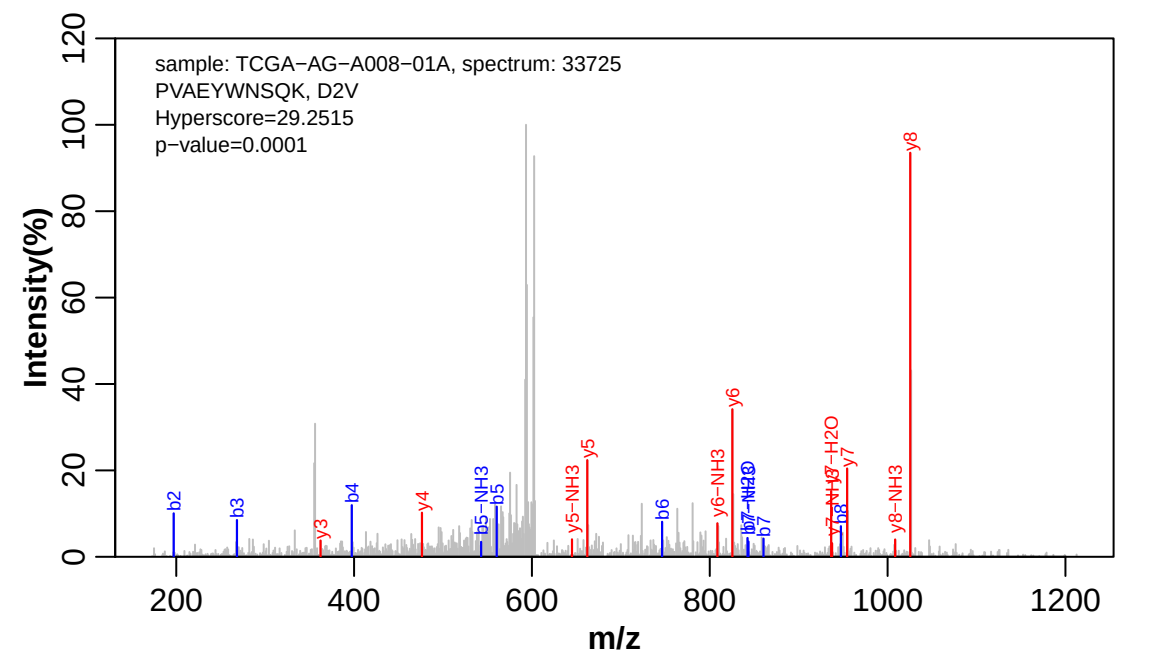

sample: TCGA−AG−A008−01A, spectrum: 82306
LRPEMEGPGSFTLFAPSNK, E19K
Hyperscore=51.2727
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b15++
b14++
b13++
y6
y4
b11
b10
y9
b6
y14++

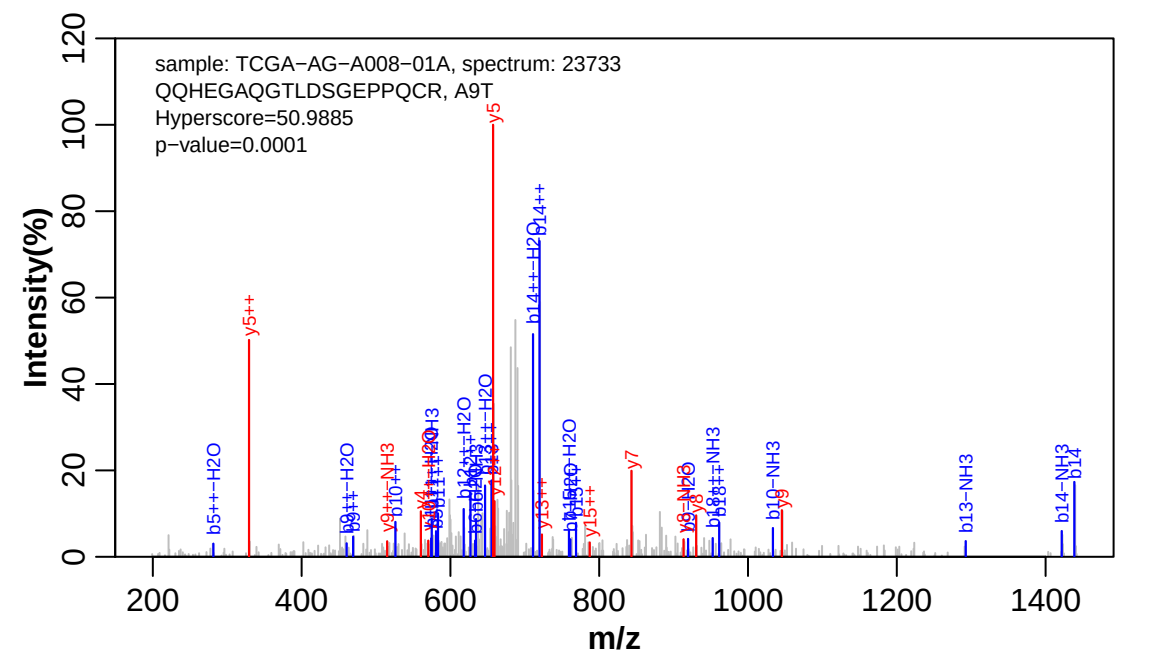

sample: TCGA−AG−A008−01A, spectrum: 66299
LSVFSTLDAPVAPSDK, V7I
Hyperscore=37.4633
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y7
y4
y8
b12
y13
b3−H2O
b5−NH3
y5−NH3
b5
y7−H2O
y8−NH3
b8−H2O
y9−H2O
b9
b9−NH3
b9−H2O
y10−NH3
b11−NH3
b11−H2O
b11
b13

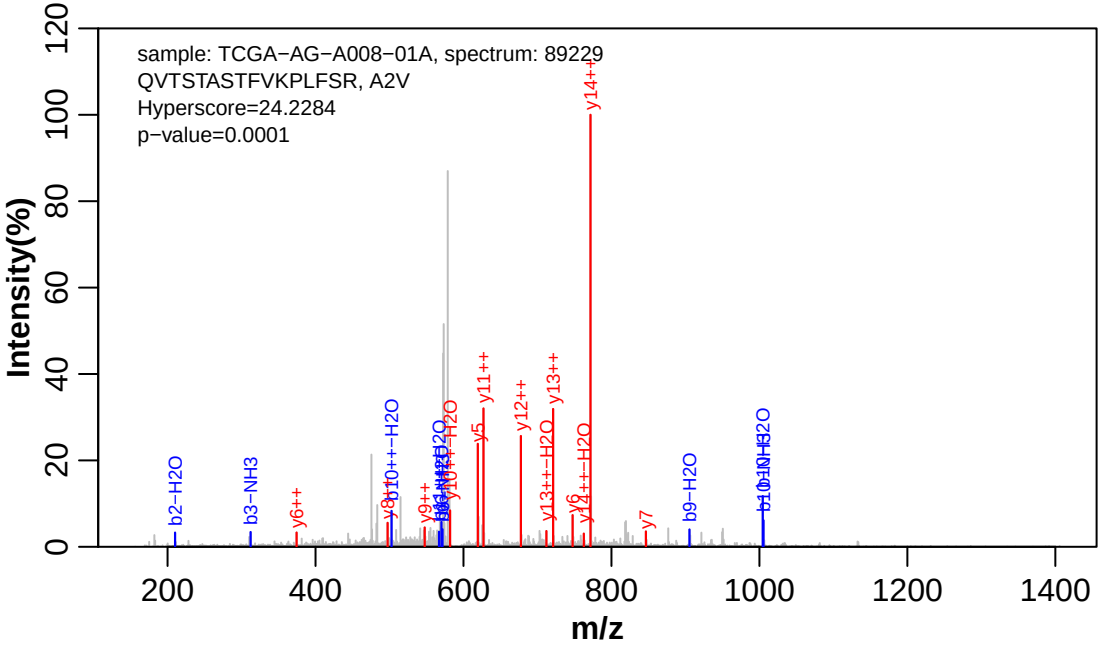

sample: TCGA−AG−A008−01A, spectrum: 17944
MQYAPNTQVELLPQGR, H16R
Hyperscore=45.2985
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y8
y12
y13
y14
b3
b4
b4−NH3
b7−NH3
b9−NH3
b10−H2O
b11
b12

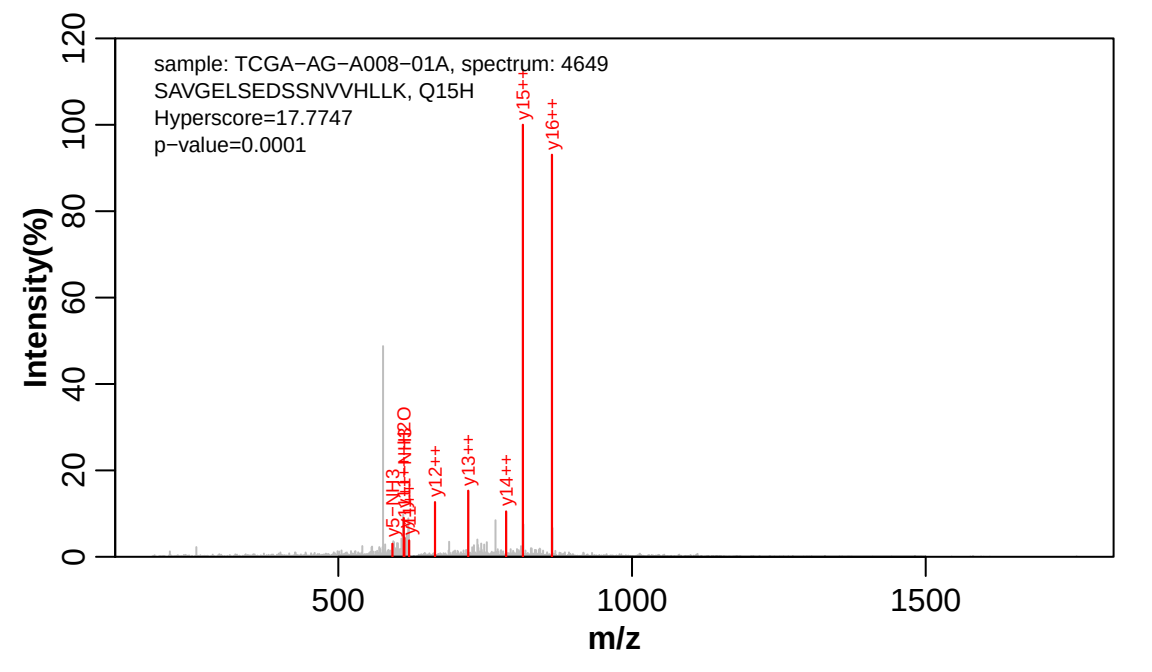

sample: TCGA−AG−A008−01A, spectrum: 33731
MVAVGLCR, H8R
Hyperscore=20.7382
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
b2
b3
y2
b4
b5−NH3
y4
b6
y5
y6
b7
y7

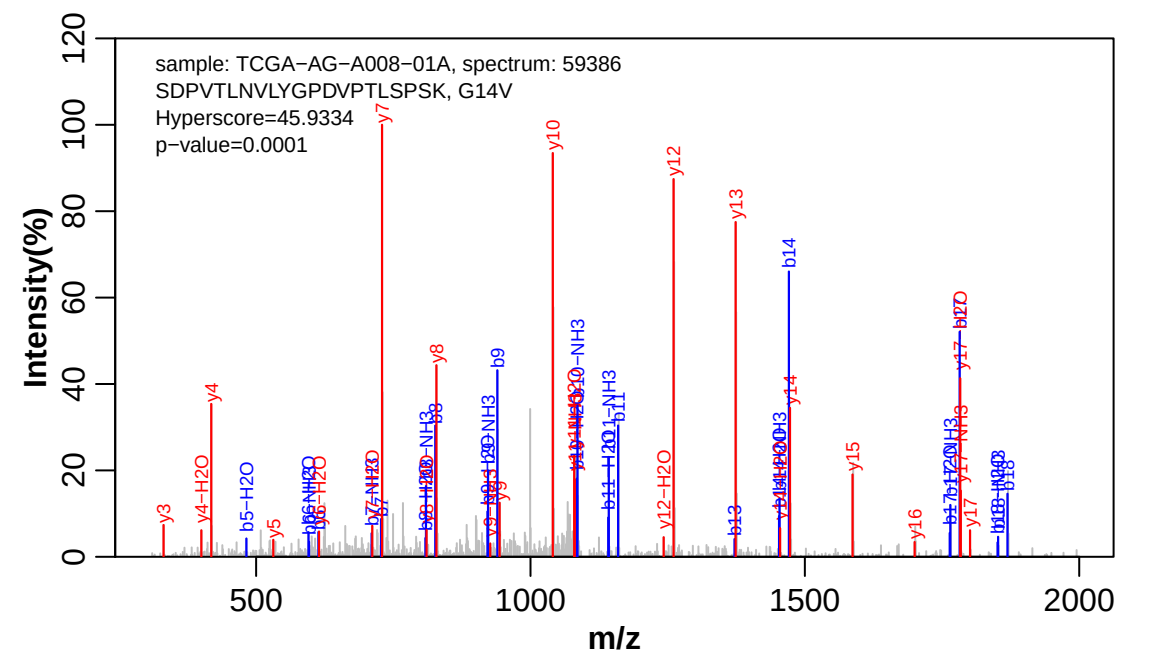

sample: TCGA−AG−A008−01A, spectrum: 63477
NTNSVPETAPAALPETR, K17R
Hyperscore=17.7289
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
b12
b13
b5
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

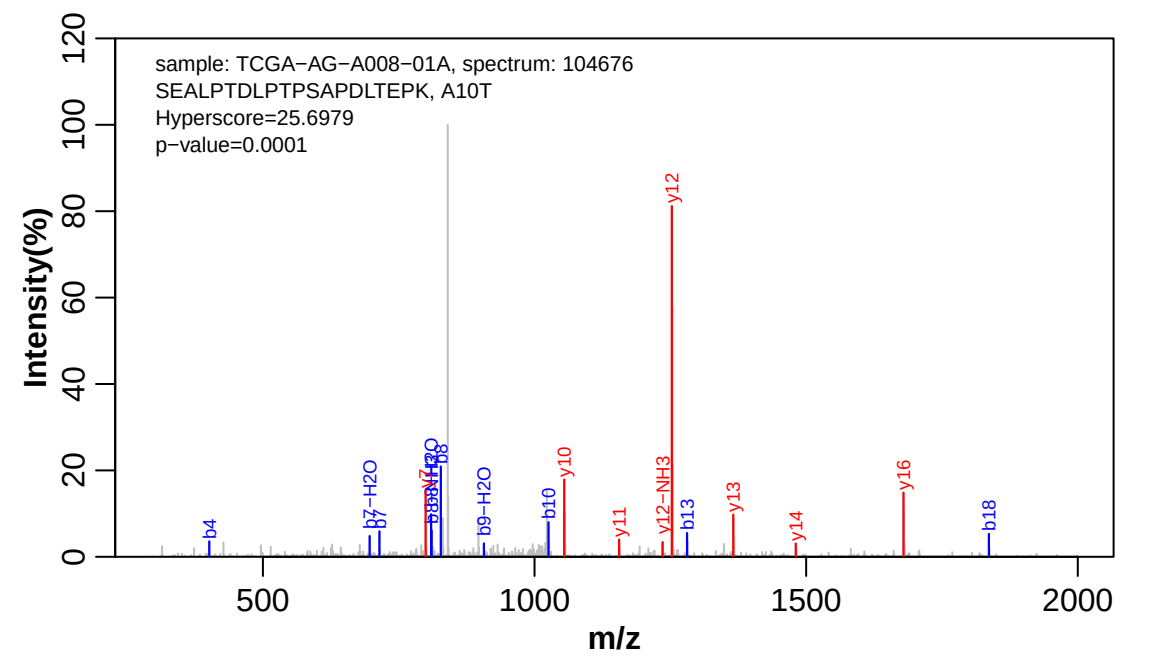

sample: TCGA−AG−A008−01A, spectrum: 33725
PVAEYWNSQK, D2V
Hyperscore=29.2515
p−value=0.0001
Intensity(%)
m/z
b2
b3
y3
b4
y4
b5−NH3
b5
y5−NH3
y5
b6
y6−NH3
y6
b7−NH3
b7
y7−NH3−H2O
y7
b8
y8−NH3
y8

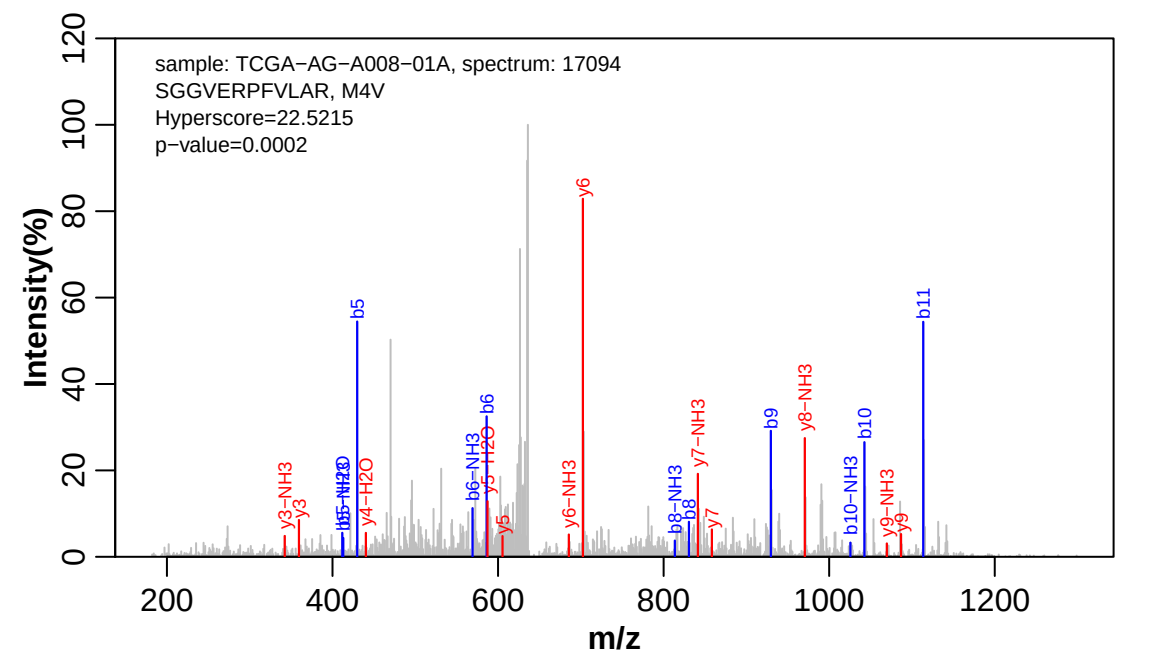

sample: TCGA−AG−A008−01A, spectrum: 23733
QQHEGAQGTLDSGEPPQCR, A9T
Hyperscore=50.9885
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y5++
b14++−H2O
b5++−H2O
b9++−H2O
y9++−NH3
b10++
y15++
y7
b18++−NH3
b10−NH3
b13−NH3
b14−NH3
b14

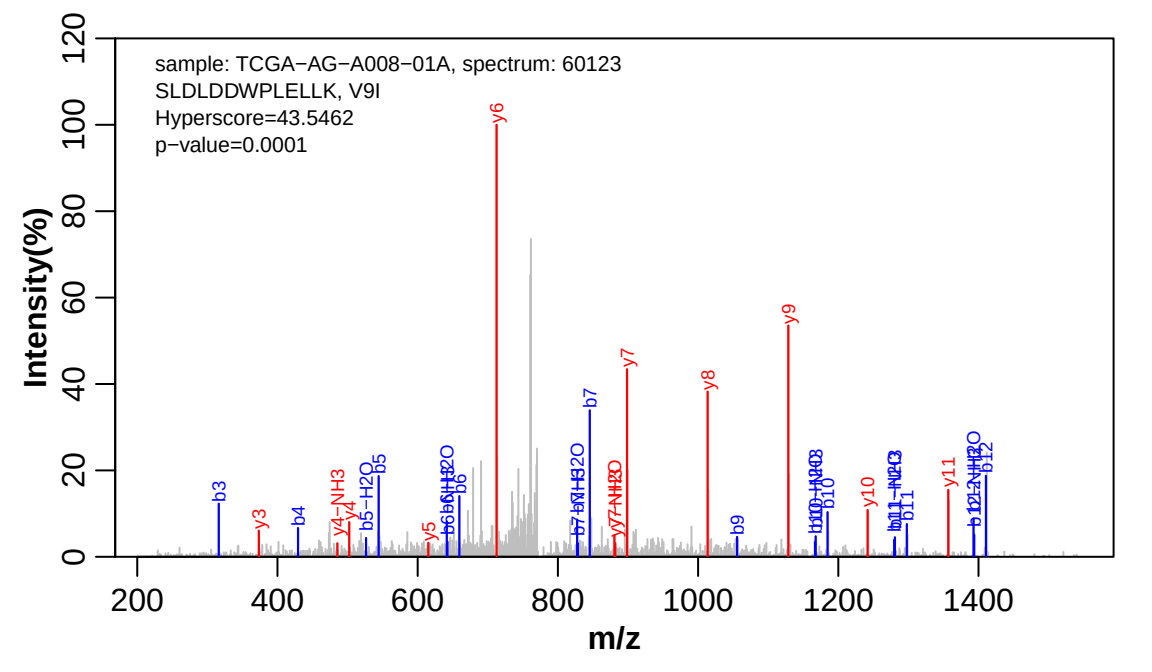

sample: TCGA−AG−A008−01A, spectrum: 89229
QVTSTASTFVKPLFSR, A2V
Hyperscore=24.2284
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b3−NH3
y6++
y10++−H2O
y5
y11++
y12++
y13++
y13++−H2O
y14++−H2O
y14++
y7
b9−H2O
b10++−H2O

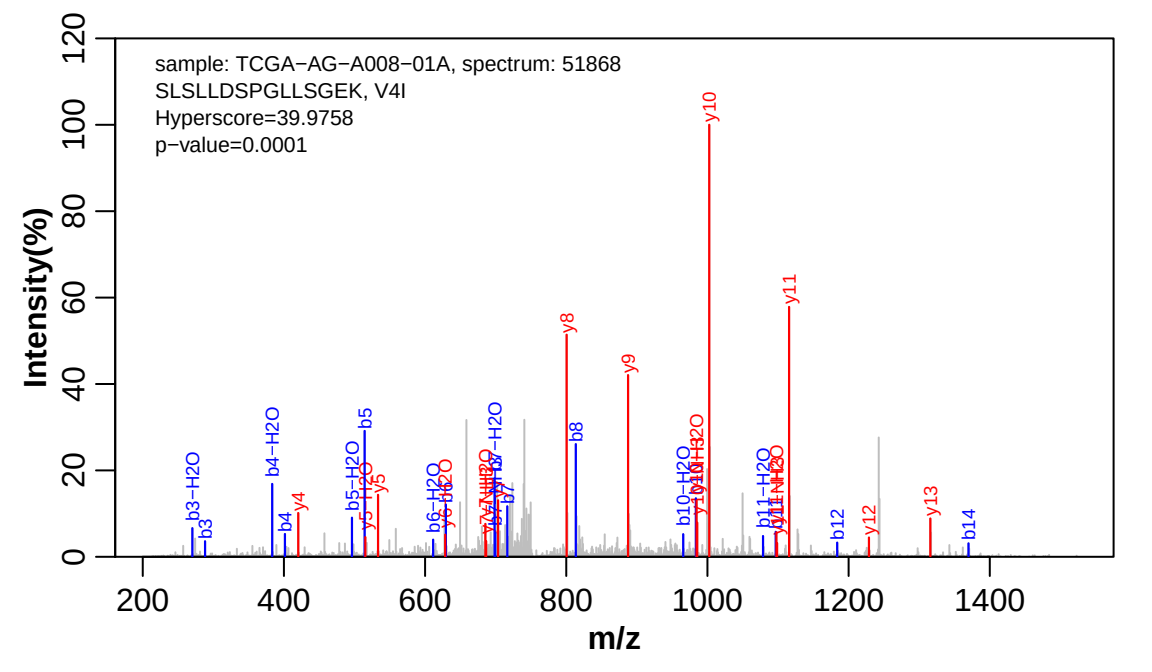

sample: TCGA−AG−A008−01A, spectrum: 4649
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7747
p−value=0.0001
y15++
y16++
y12++
y13++
y14++
y5−NH3
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

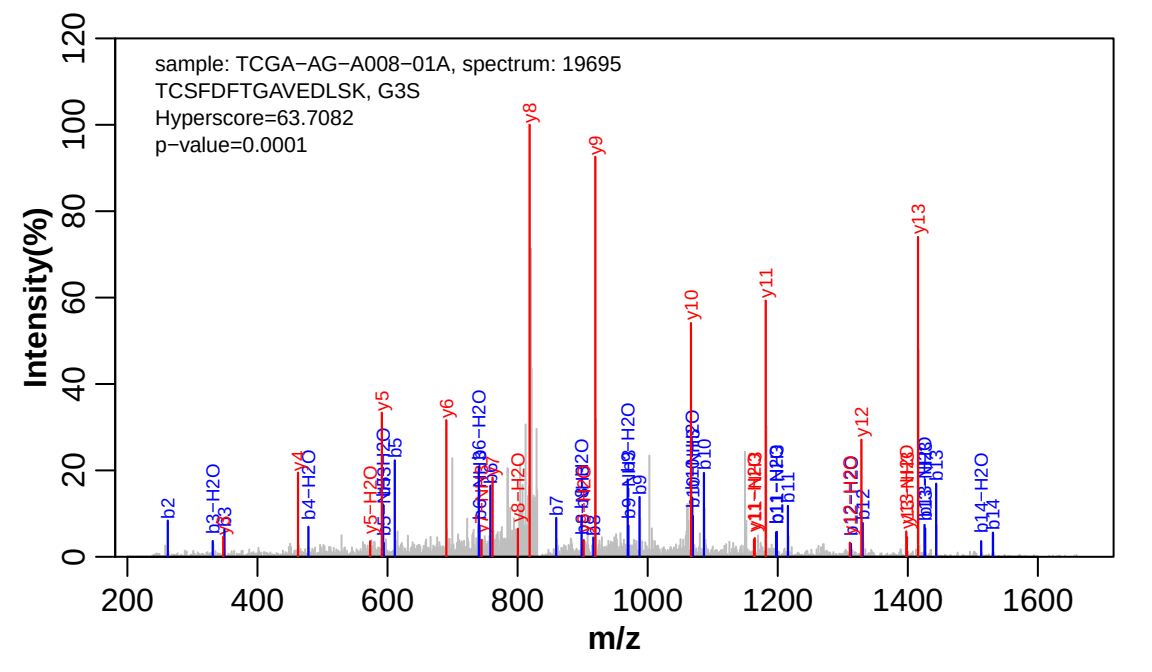

sample: TCGA−AG−A008−01A, spectrum: 59386
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=45.9334
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y4−H2O
b5−H2O
y5
y7
y8
y10
y12
y13
b14
y14
y15
y16
y17
y12−H2O
b11−NH3
b13
b9
b11
b5
b7
b8
b18

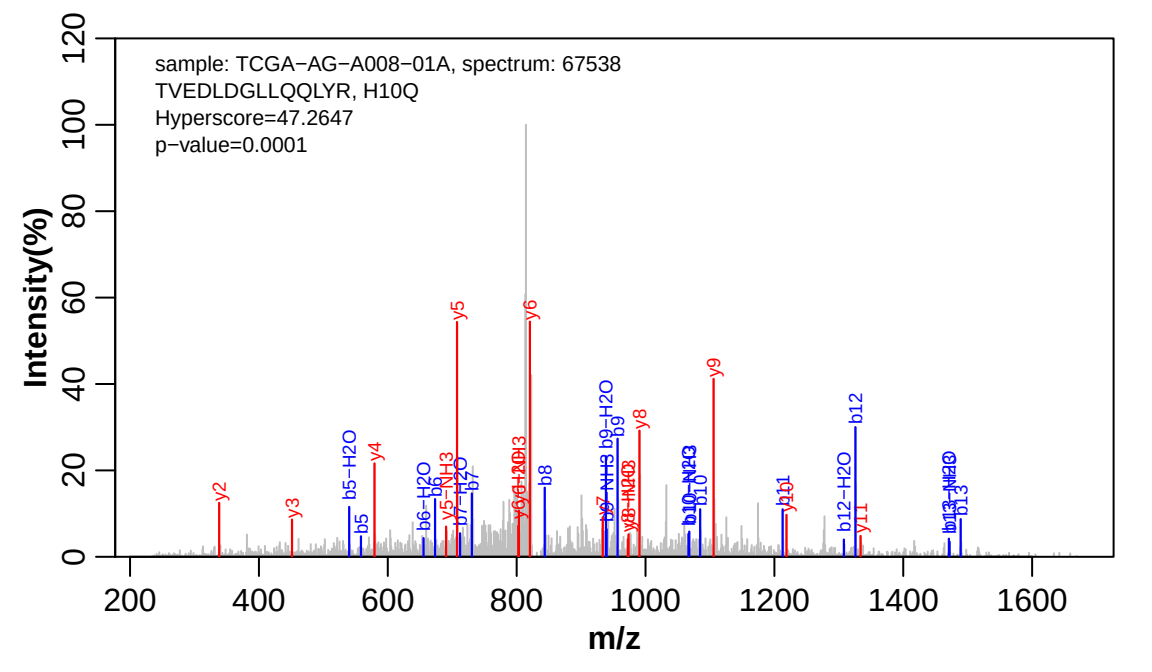

sample: TCGA−AG−A008−01A, spectrum: 104676
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=25.6979
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b4
b7−H2O
b7
b8
b9−H2O
b10
y10
y11
y12
y12−NH3
b13
y13
y14
y16
b18

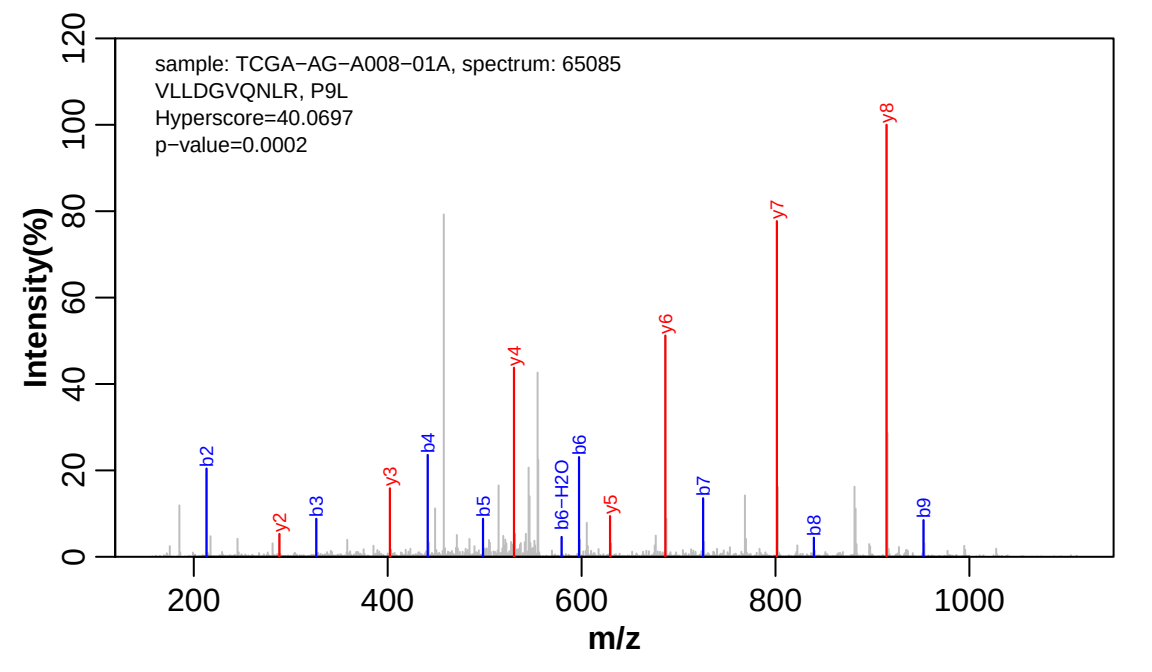

sample: TCGA−AG−A008−01A, spectrum: 17094
SGGVERPFVLAR, M4V
Hyperscore=22.5215
p−value=0.0002
Intensity(%)
m/z
y6
b11
b5
y3−NH3
y3
y4−H2O
b6−NH3
y5−H2O
b6
y5
y6−NH3
b8−NH3
b8
y7
y7−NH3
b9
y8−NH3
b10
b10−NH3
y9−NH3
y9

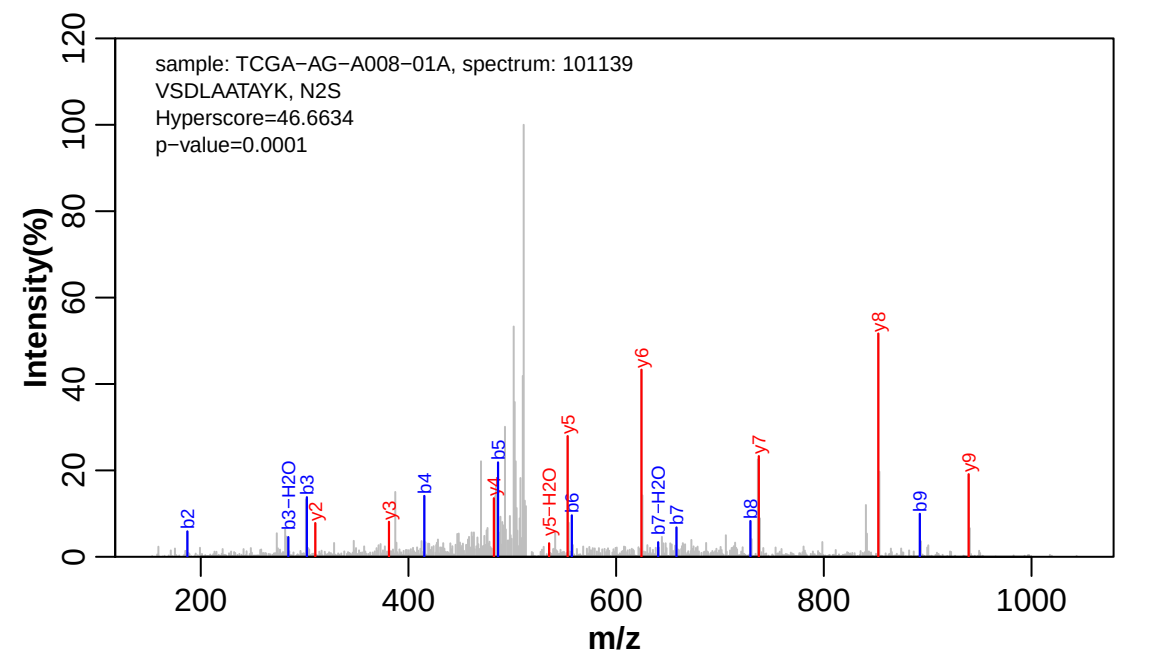

sample: TCGA−AG−A008−01A, spectrum: 60123
SLDLDDWPLELLK, V9I
Hyperscore=43.5462
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4
y4
y4−NH3
b5−H2O
b5
y5
b6
y6
b7
y7
y7−NH3
b7−H2O
y8
b9
y9
b10
y10
b11
y11
b12

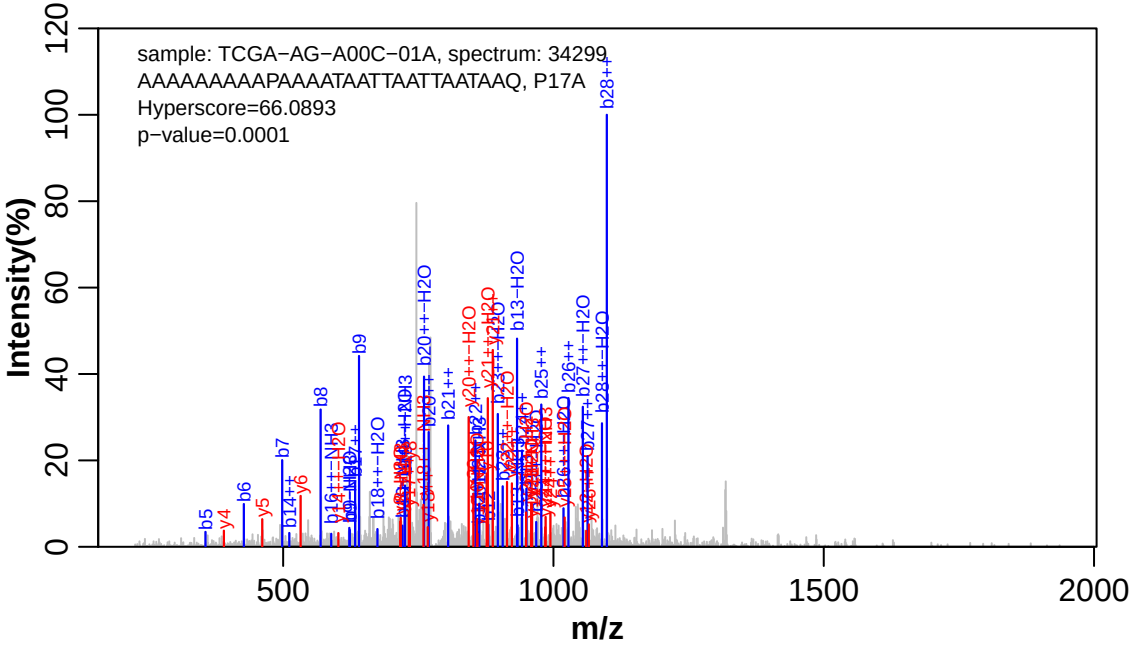

sample: TCGA−AG−A008−01A, spectrum: 51868
SLSLLDSPGLLSGEK, V4I
Hyperscore=39.9758
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
b4−H2O
b4
y4
b5−H2O
b5
y5−H2O
y5
b6−H2O
y6−H2O
y6
b7−H2O
b7
y7−H2O
y7
b8
y8
y9
b10−H2O
y10−H2O
y10
b11−H2O
y11−H2O
y11
b12
y12
y13
b14

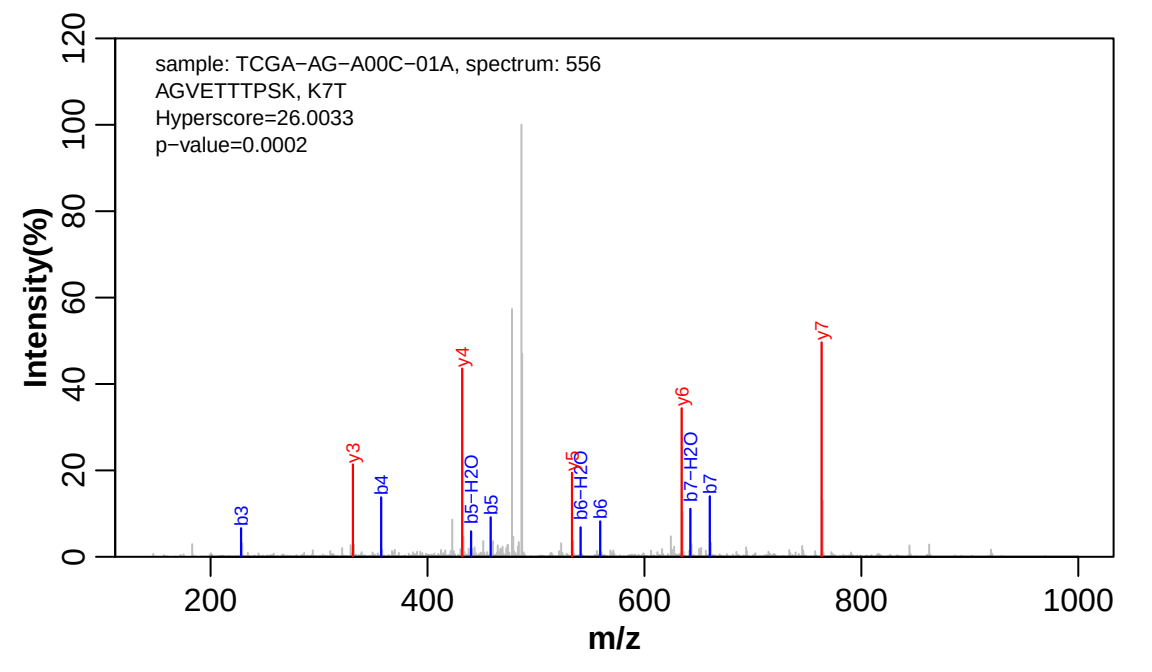

sample: TCGA−AG−A008−01A, spectrum: 19695
TCSFDFTGAVEDLSK, G3S
Hyperscore=63.7082
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y8
y9
y13
y11
y10
y6
y5
y12
b2
b14−H2O
b14

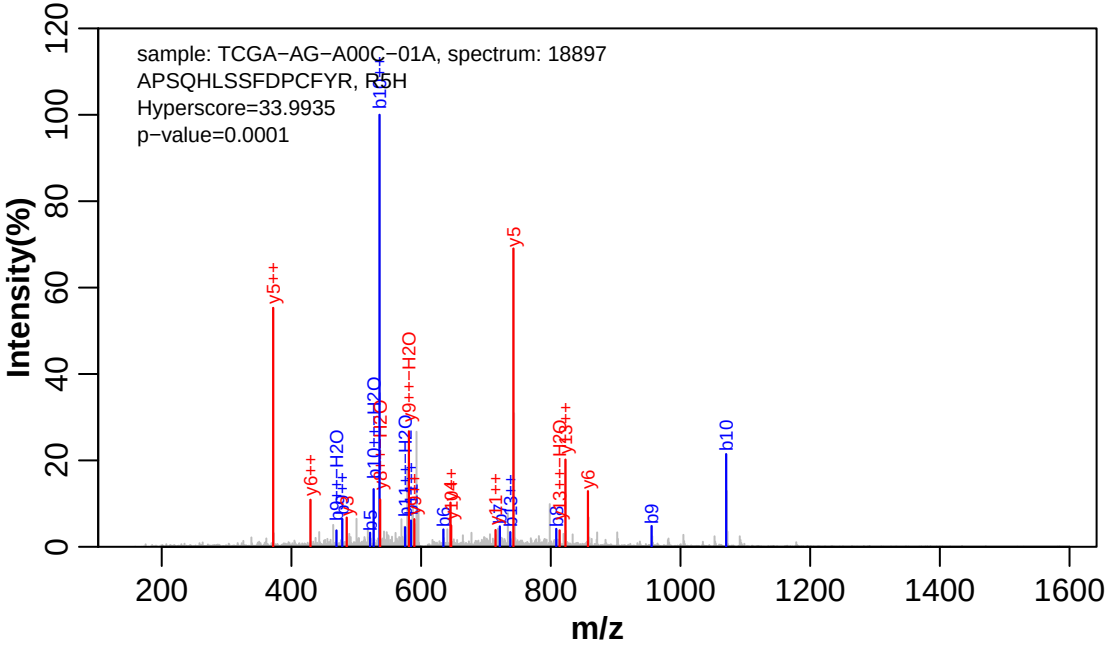

sample: TCGA−AG−A008−01A, spectrum: 67538
TVEDLDGLLQQLYR, H10Q
Hyperscore=47.2647
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
y5−NH3
b7−H2O
b7
y6
y6−H2O
y6−NH3
b8
b9−H2O
b9
y7−NH3
y8
y8−H2O
y8−NH3
y9
b10−H2O
b10
b10−NH3
y10
y11
b12−H2O
b12
b13−H2O
b13

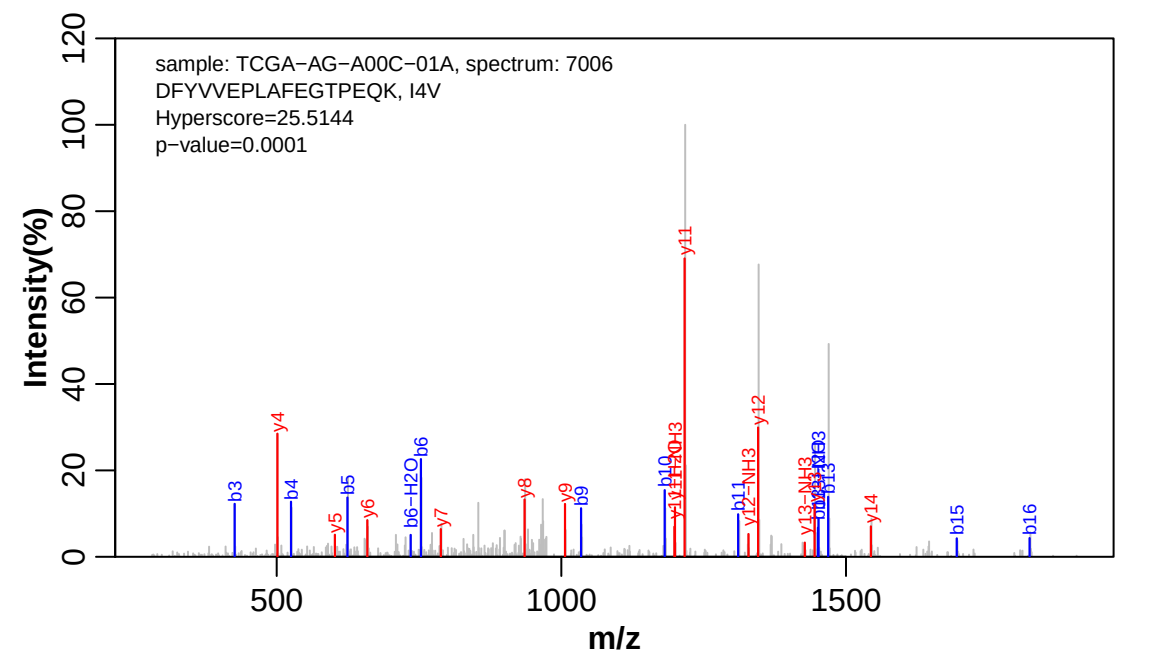

sample: TCGA−AG−A008−01A, spectrum: 65085
VLLDGVQNLR, P9L
Hyperscore=40.0697
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
y2
b3
y3
b4
y4
b5
b6−H2O
b6
y5
y6
b7
y7
b8
y8
b9

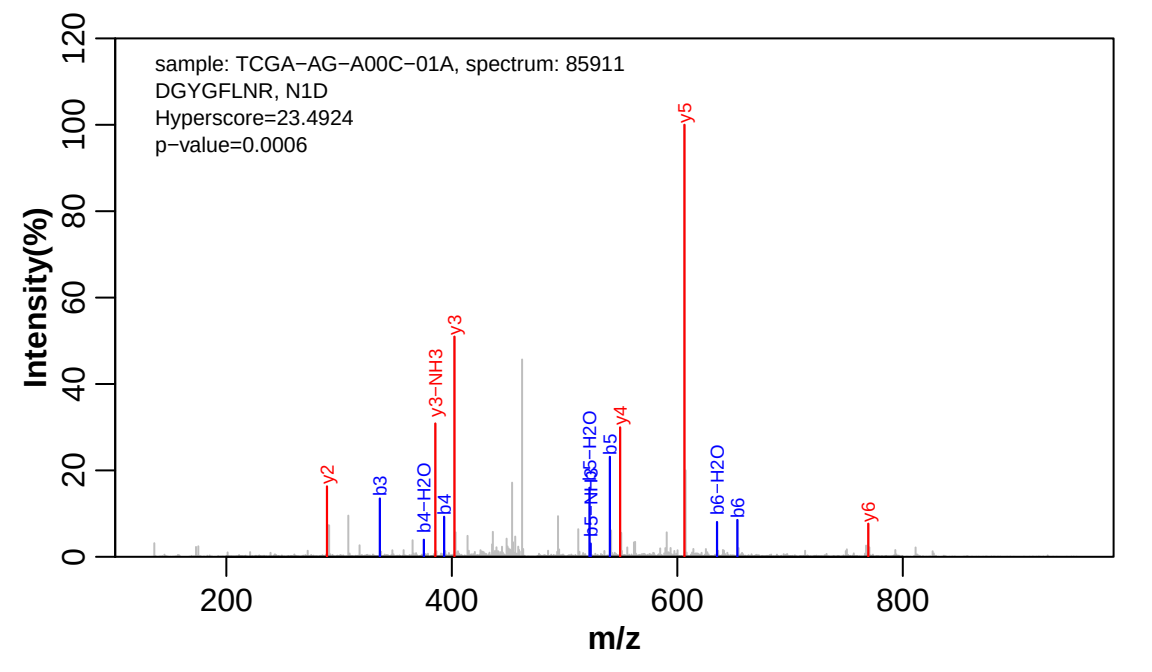

sample: TCGA−AG−A008−01A, spectrum: 101139
VSDLAATAYK, N2S
Hyperscore=46.6634
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4
b5
y4
y5−H2O
y5
b6
y6
b7−H2O
b7
b8
y7
y8
b9
y9

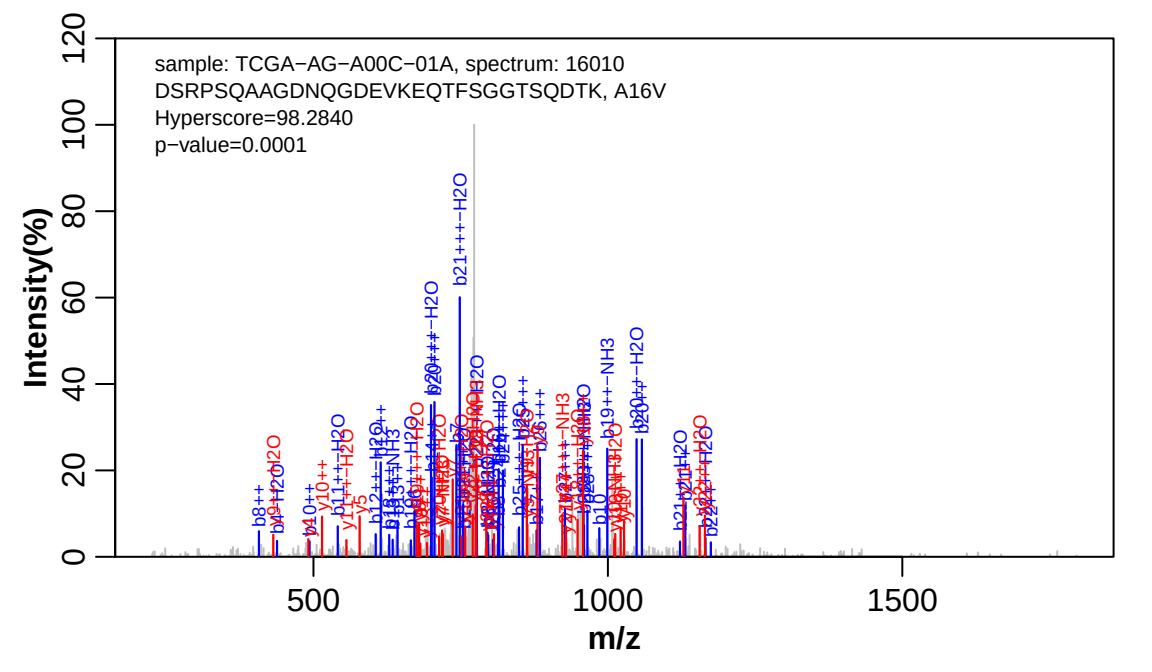

sample: TCGA−AG−A00C−01A, spectrum: 34299
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=66.0893
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5
y4
b6
y5
b7
b14++
y6
b8
b16++−NH3
b16++−H2O
b9
b18++−H2O
b20++−H2O
b21++
b13−H2O
b25++
b26++
b27++−H2O
b28++−H2O
b28++

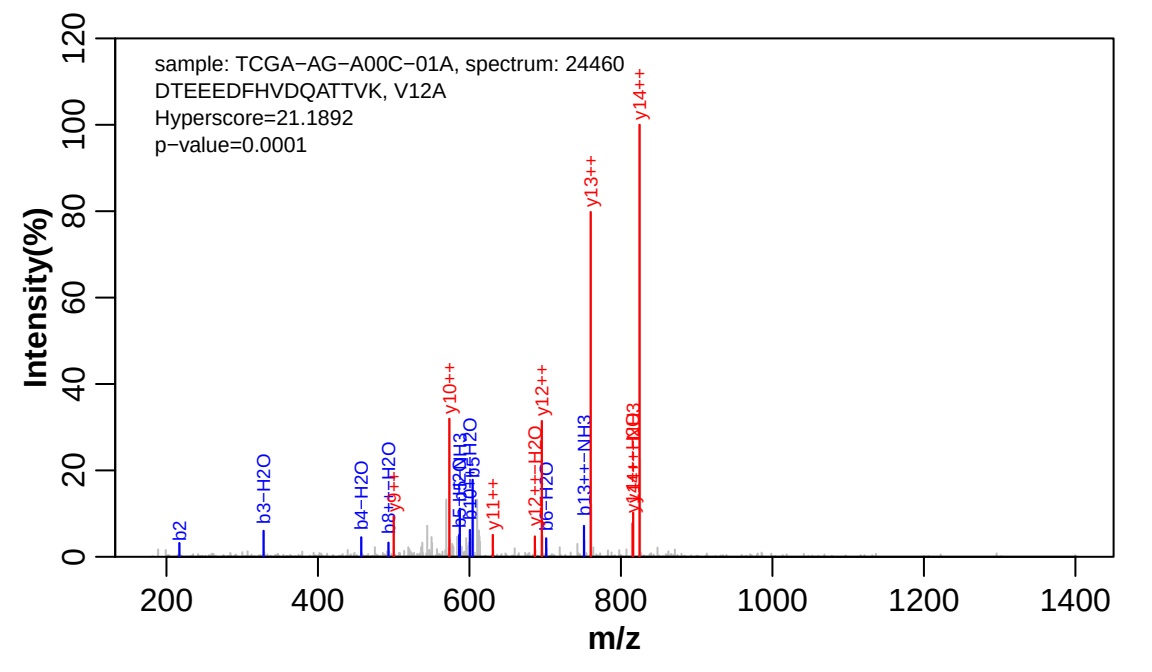

sample: TCGA−AG−A00C−01A, spectrum: 556
AGVETTTPSK, K7T
Hyperscore=26.0033
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7

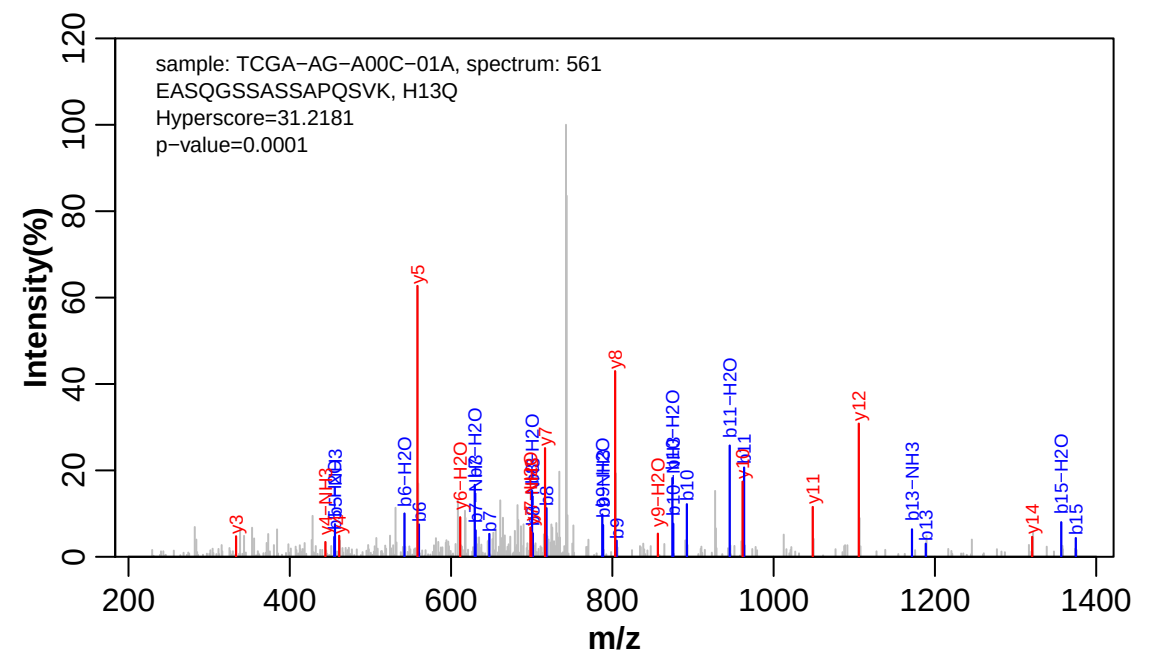

sample: TCGA−AG−A00C−01A, spectrum: 18897
APSQHLSSFDPCFYR, RSH
Hyperscore=33.9935
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5++
b10++
y5
y6++
b10++−H2O
y9++−H2O
b10
y6
b9

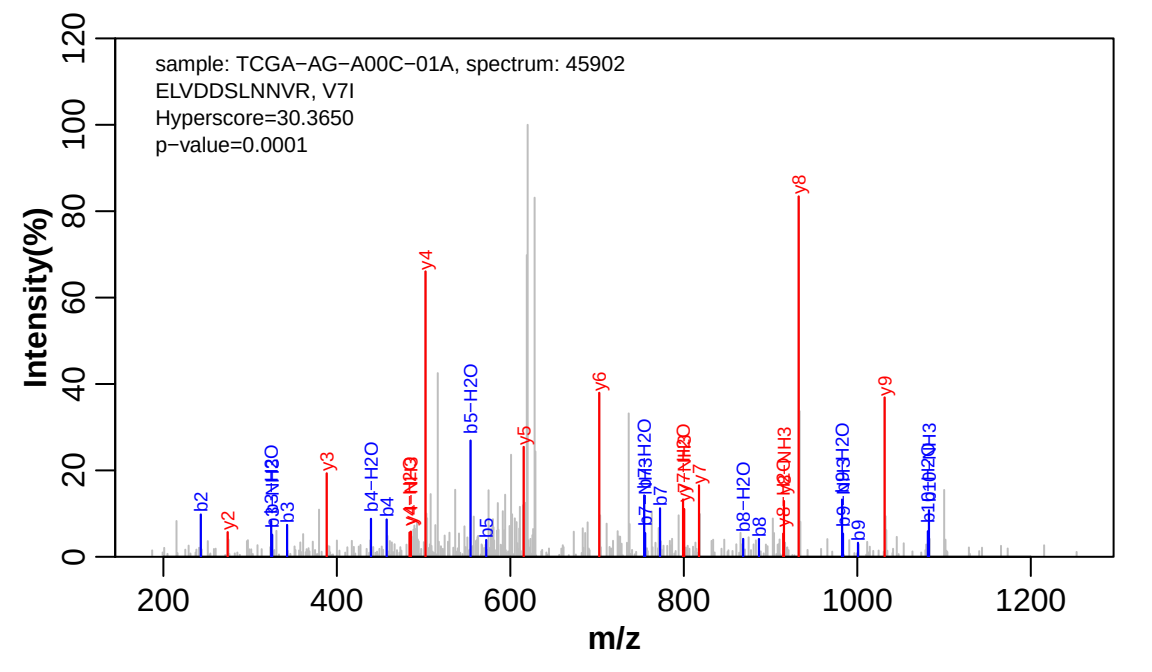

sample: TCGA−AG−A00C−01A, spectrum: 7006
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=25.5144
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
y5
b5
y6
b6−H2O
b6
y7
y8
y9
b9
b10
y11
y12
b11
y12−NH3
y13−NH3
y14
b15
b16

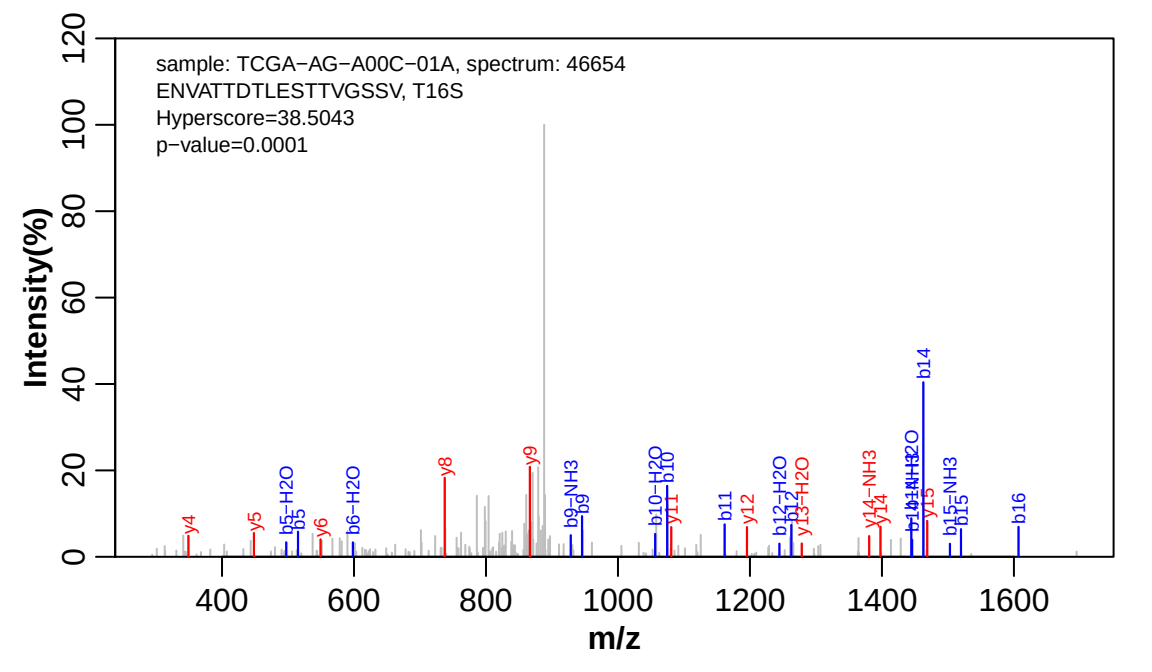

sample: TCGA−AG−A00C−01A, spectrum: 85911
DGYGFLNR, N1D
Hyperscore=23.4924
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y2
b3
b4−H2O
y3−NH3
y3
b4
b5−H2O
b5
y4
y5
b6−H2O
b6
y6

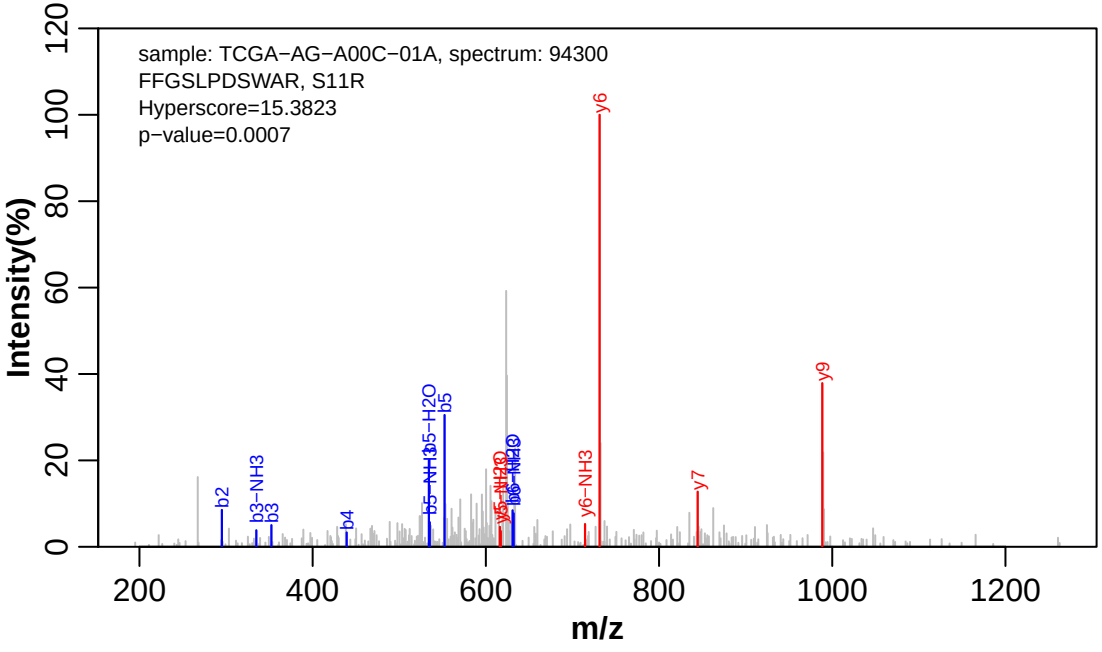

sample: TCGA−AG−A00C−01A, spectrum: 16010
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=98.2840
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

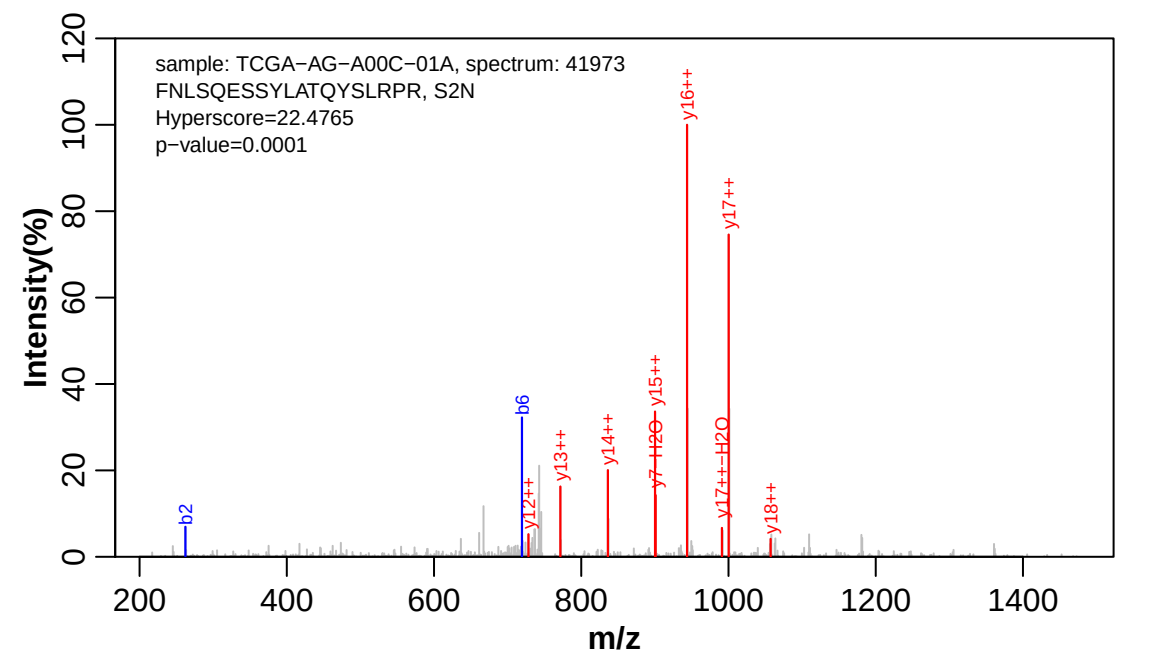

sample: TCGA−AG−A00C−01A, spectrum: 24460
DTEEEDFHVDQATTVK, V12A
Hyperscore=21.1892
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b3−H2O
b4−H2O
b8++−H2O
y9++−H2O
y10++
y11++
y12++
y12++−H2O
b6−H2O
b13++−NH3
y13++
y14++

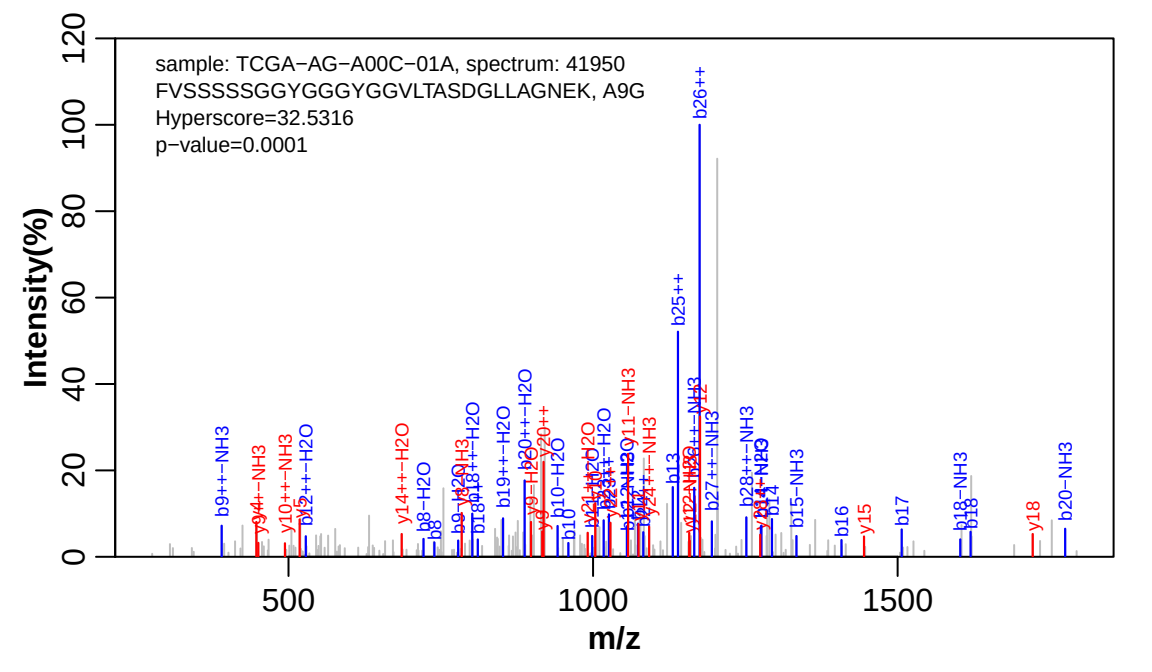

sample: TCGA−AG−A00C−01A, spectrum: 561
EASQGSSASSAPQSVK, H13Q
Hyperscore=31.2181
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
y5
y6
y8
y12
y11
y14
b6−H2O
b7
b9
b10
b11−H2O
b13−NH3
b13
b15−H2O
b15

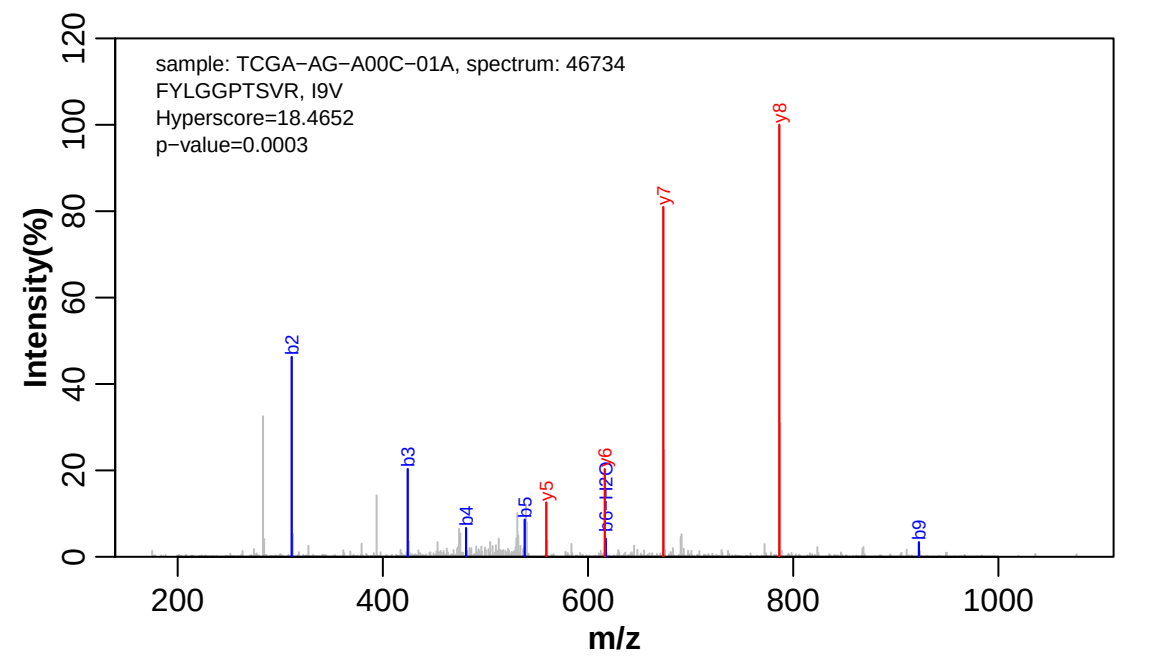

sample: TCGA−AG−A00C−01A, spectrum: 45902
ELVDDSLNNVR, V7I
Hyperscore=30.3650
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−H2O
b4
b5−H2O
b5
y4
y5
y6
b7
b8−H2O
b8
y7
y8
b9
y9

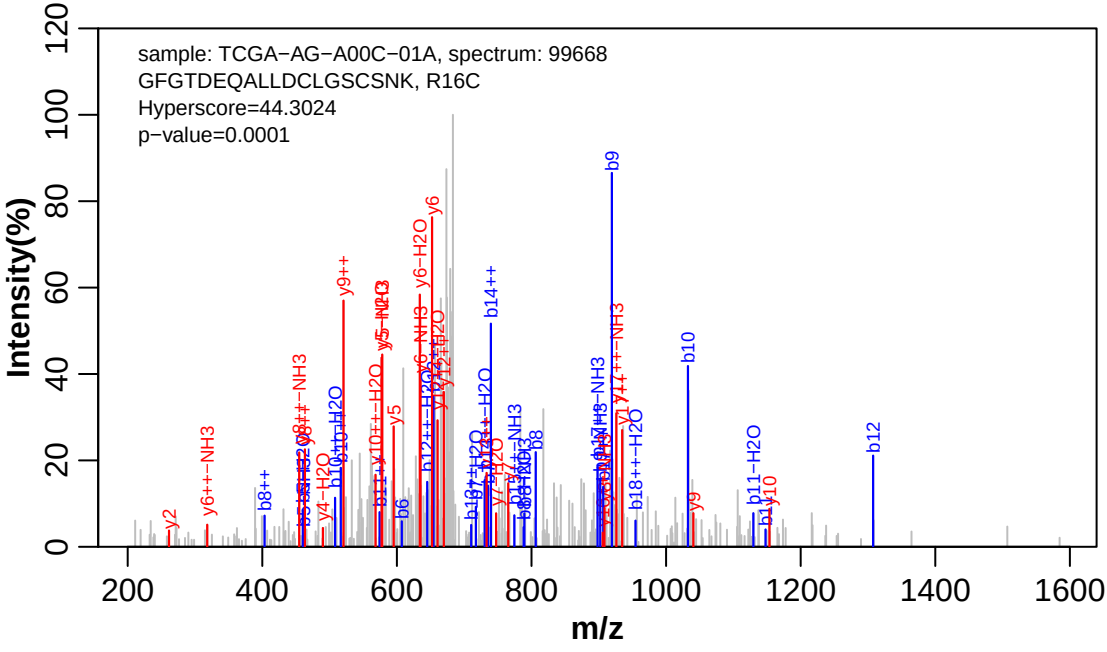

sample: TCGA−AG−A00C−01A, spectrum: 46654
ENVATTDTLESTTVGSSV, T16S
Hyperscore=38.5043
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600
y4
y5
b5−H2O
b5
y6
b6−H2O
y8
y9
b9−NH3
b9
b10−H2O
b10
y11
b11
y12
b12−H2O
b12
y13−H2O
y14−NH3
y14
b14
b15−NH3
b15
b16

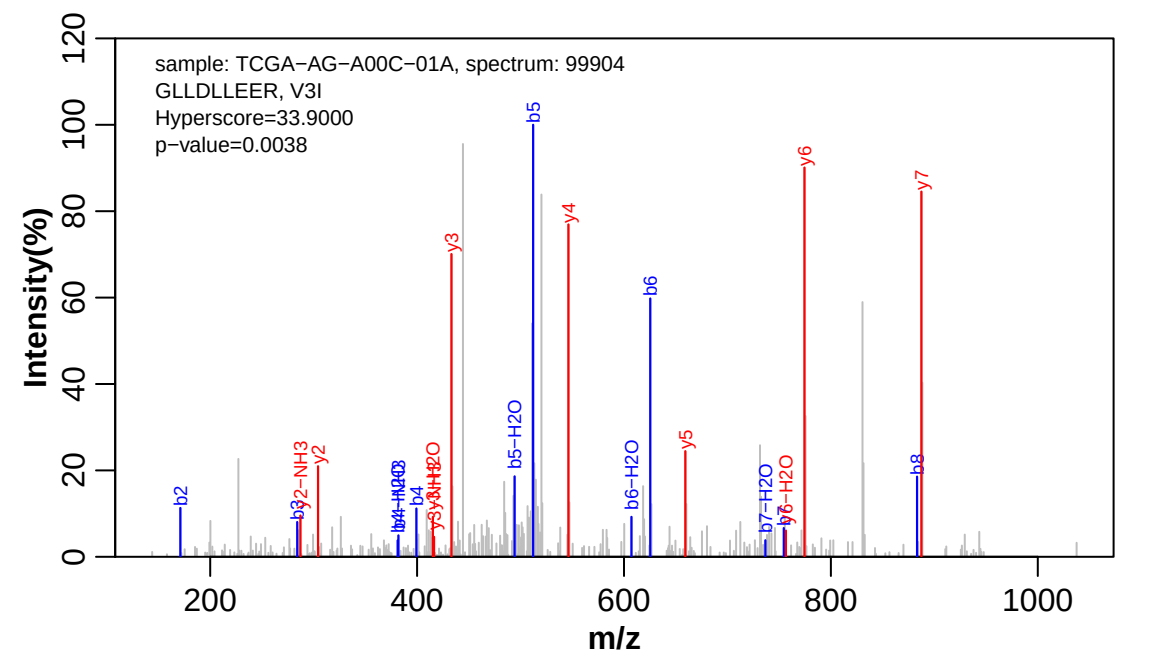

sample: TCGA−AG−A00C−01A, spectrum: 94300
FFGSLPDSWAR, S11R
Hyperscore=15.3823
p−value=0.0007
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3−NH3
b3
b4
b5−NH3
b5−H2O
b5
y6
y6−NH3
y7
y9

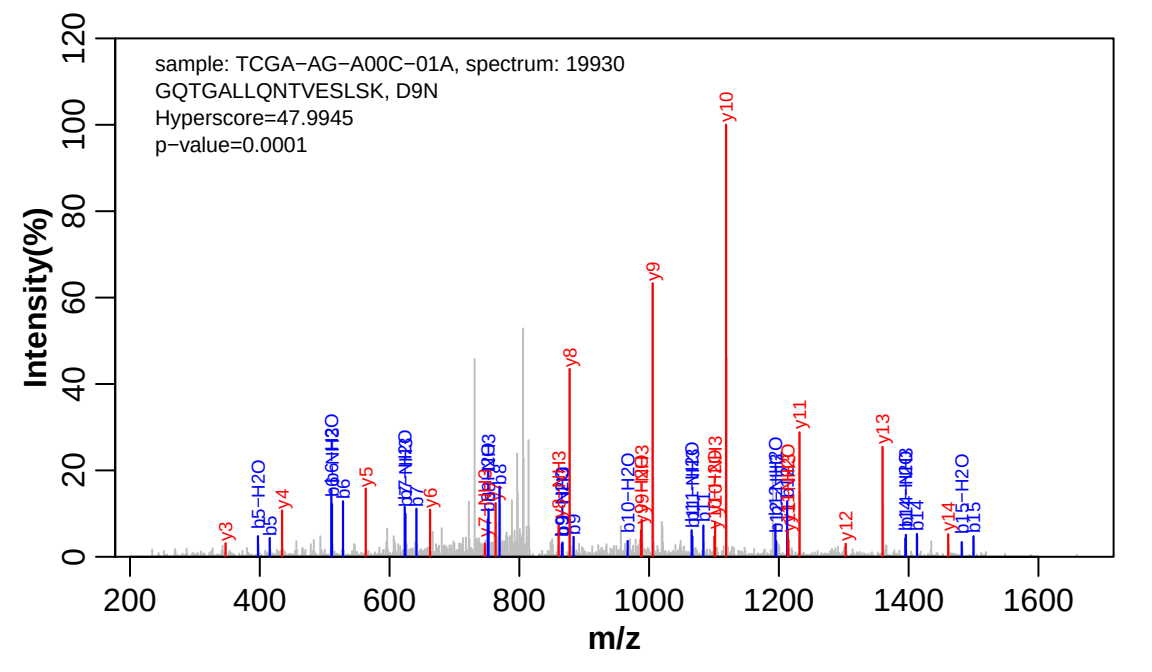

sample: TCGA−AG−A00C−01A, spectrum: 41973
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=22.4765
p−value=0.0001
Intensity(%)
m/z
b2
b6
y12++
y13++
y14++
y7−H2O
y15++
y16++
y17++
y17++−H2O
y18++

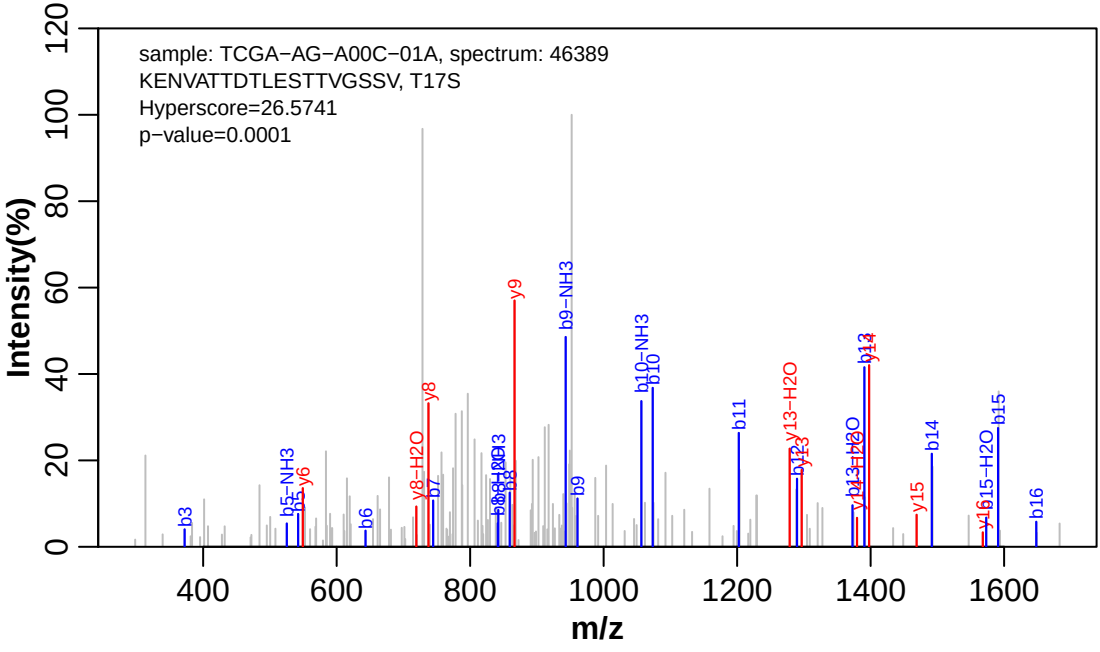

sample: TCGA−AG−A00C−01A, spectrum: 41950
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=32.5316
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9++−NH3
y4++−NH3
y10++−NH3
b12++−H2O
y14++−H2O
b8−H2O
b9−H2O
b18++−H2O
b19++−H2O
b20++−H2O
y9−H2O
y20++
b10−H2O
b25++
b26++
b27++−NH3
b28++−NH3
b15−NH3
b16
y15
b17
b18−NH3
y18
b20−NH3

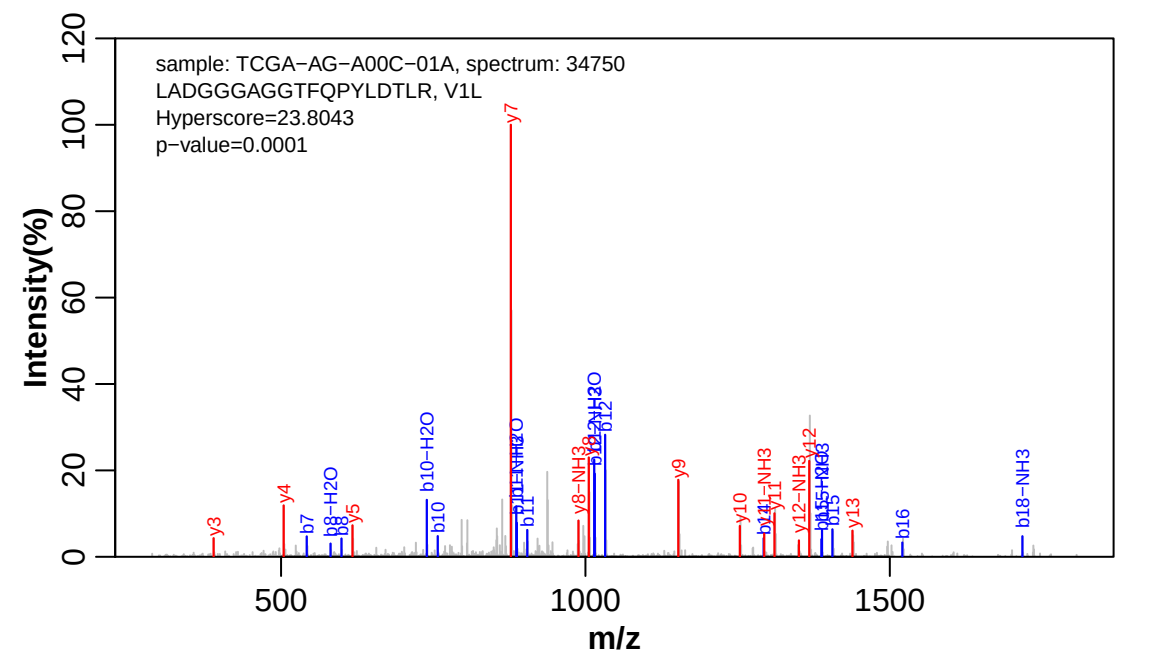

sample: TCGA−AG−A00C−01A, spectrum: 46734
FYLGGPTSVR, I9V
Hyperscore=18.4652
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8
b9

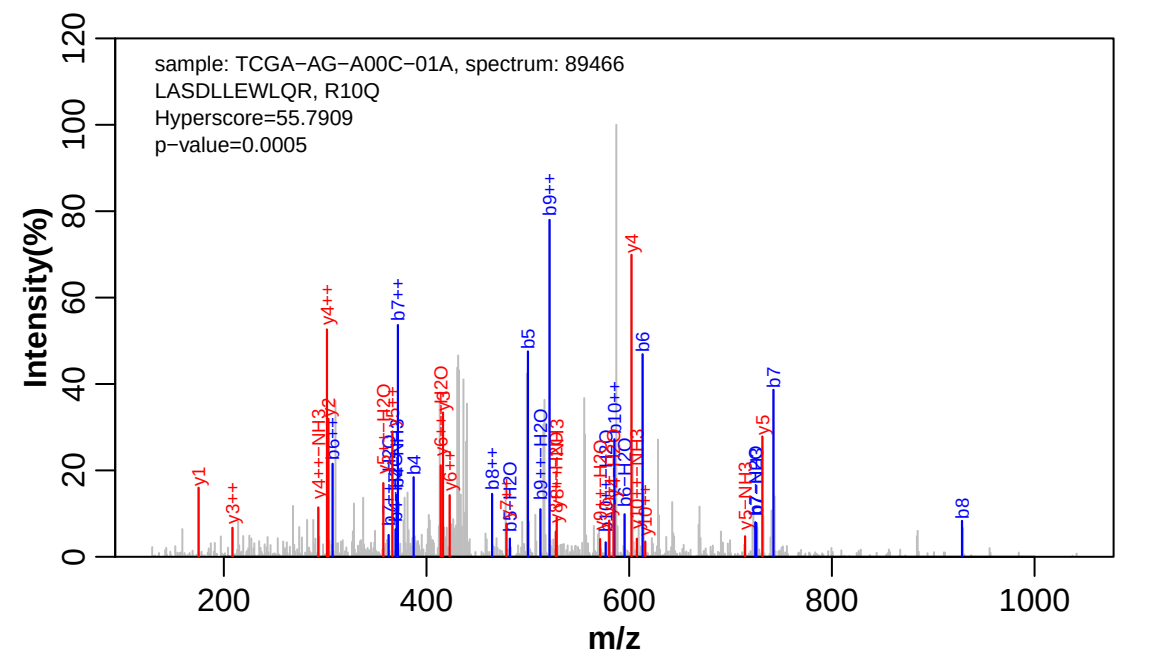

sample: TCGA−AG−A00C−01A, spectrum: 99668
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=44.3024
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y6++−NH3
b8++
y9++
y6−H2O
y6
b14++
b9
b10
b12
y9
b11−H2O
y10
y5
b6
b8
y4−H2O
b10+−H2O
b18++−H2O

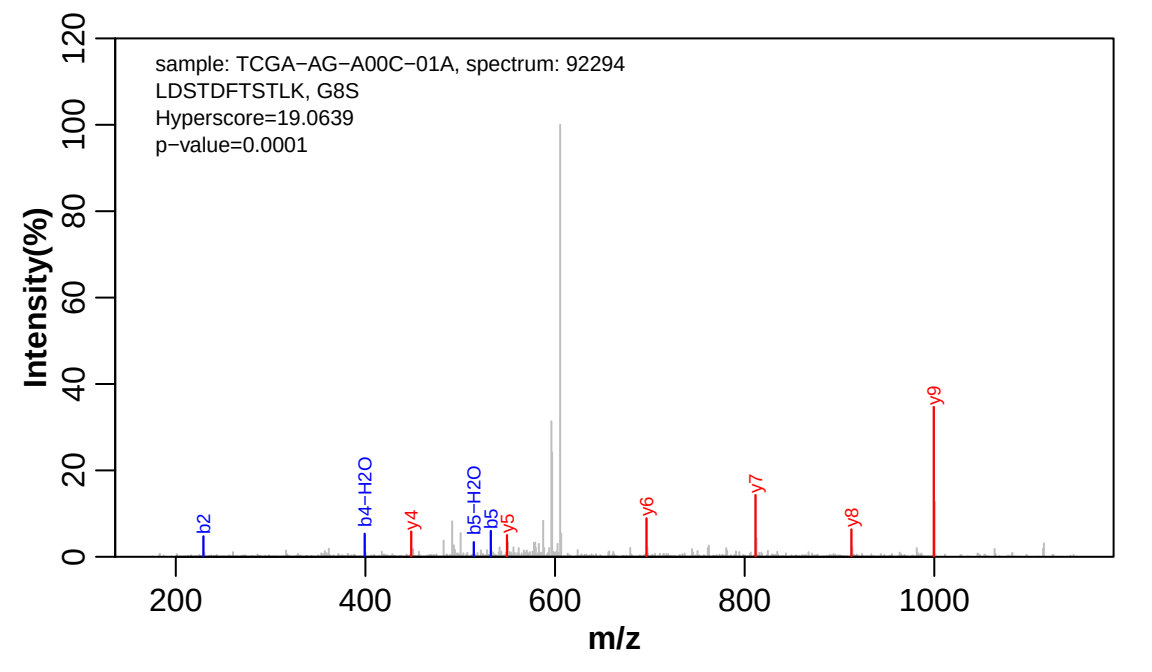

sample: TCGA−AG−A00C−01A, spectrum: 99904
GLLDLLEER, V3I
Hyperscore=33.9000
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
y2−NH3
y2
b4
y3
b5
b5−H2O
y4
b6
b6−H2O
y5
b7−H2O
y6
b6−H2O
y7
b8

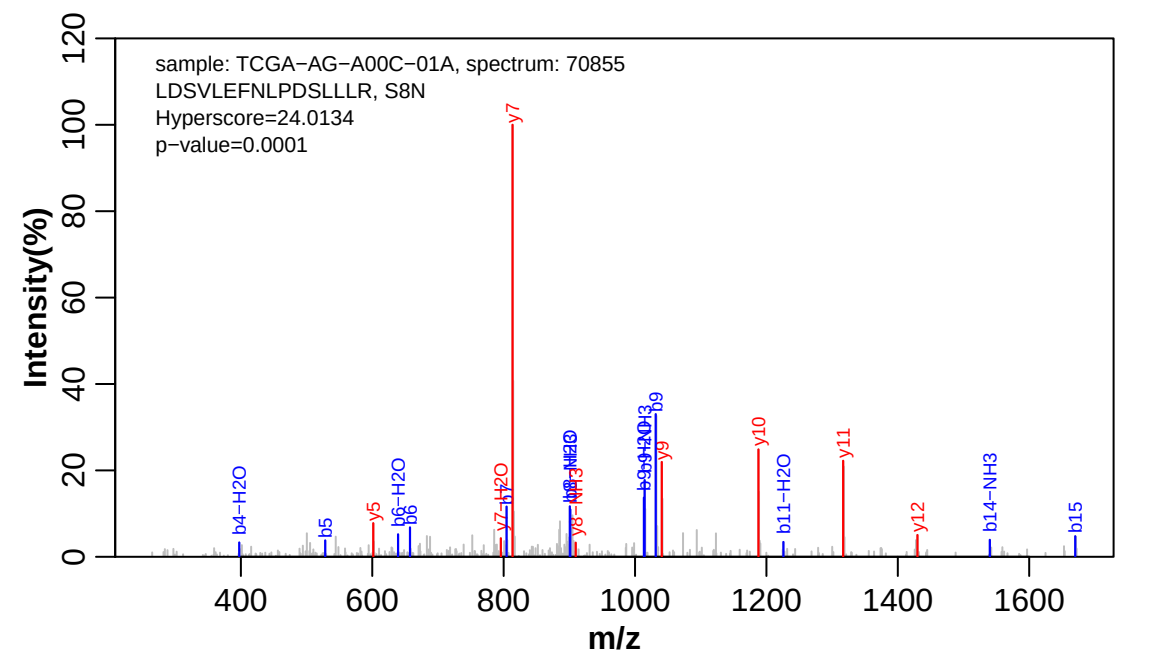

sample: TCGA−AG−A00C−01A, spectrum: 19930
GQTGALLQNTVESLSK, D9N
Hyperscore=47.9945
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y5
y6
y4
y3
y12
y14
b5−H2O
b15−H2O
b10−H2O

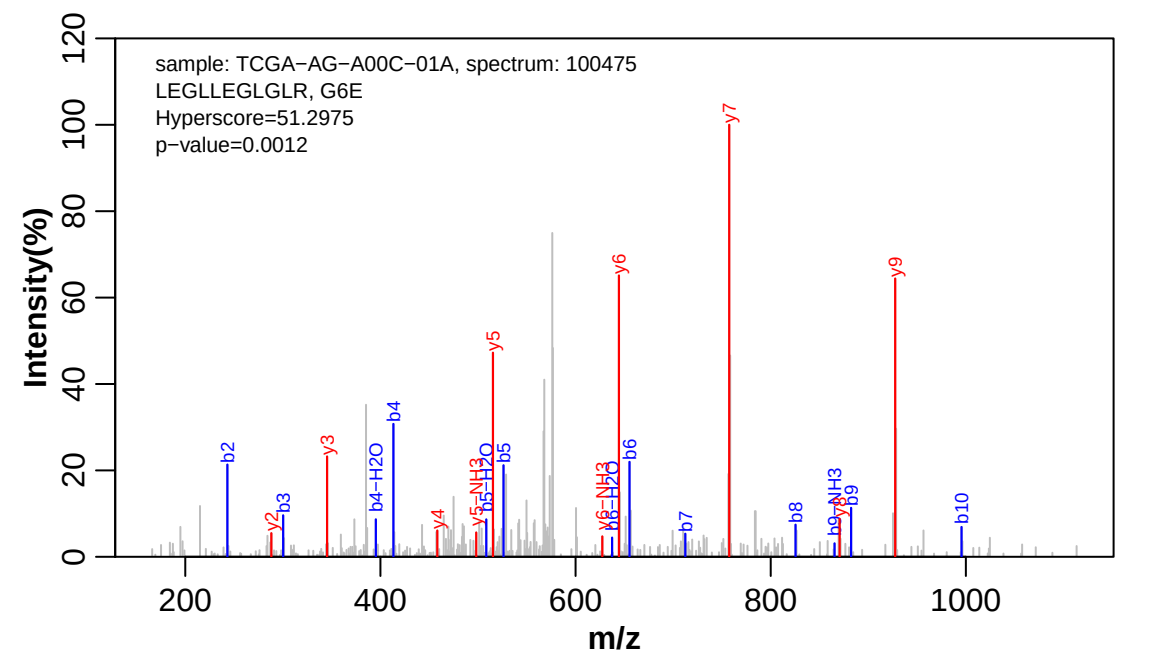

sample: TCGA−AG−A00C−01A, spectrum: 46389
KENVATTDTLESTTVGSSV, T17S
Hyperscore=26.5741
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600
b3
b5−NH3
b5
y6
b6
y8−H2O
y8
b7
y9
b9−NH3
b9
b10−NH3
b10
b11
y13−H2O
b12
y13
b13−H2O
b13
y14
y15
b14
y16
y15−H2O
b15
b16

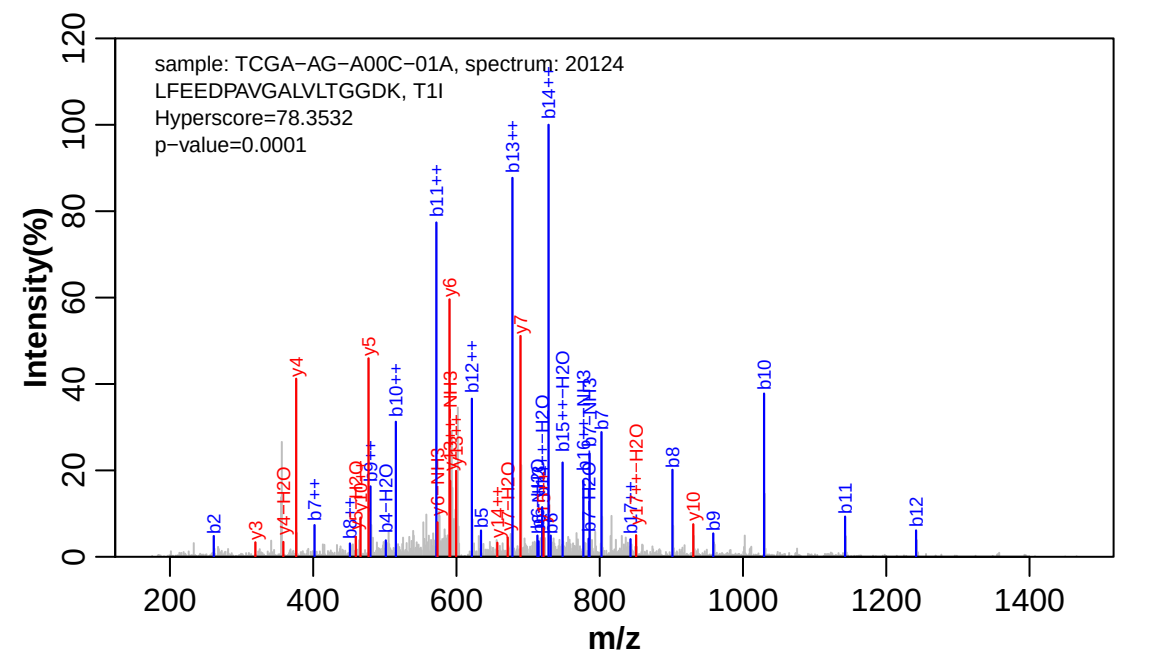

sample: TCGA−AG−A00C−01A, spectrum: 34750
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=23.8043
p−value=0.0001
Intensity(%)
m/z
y7
y4
y3
b7
b8−H2O
b8
y5
b10−H2O
b10
y8−NH3
b11
y9
y10
b14
y11
y12−NH3
y12
y13
b16
b18−NH3

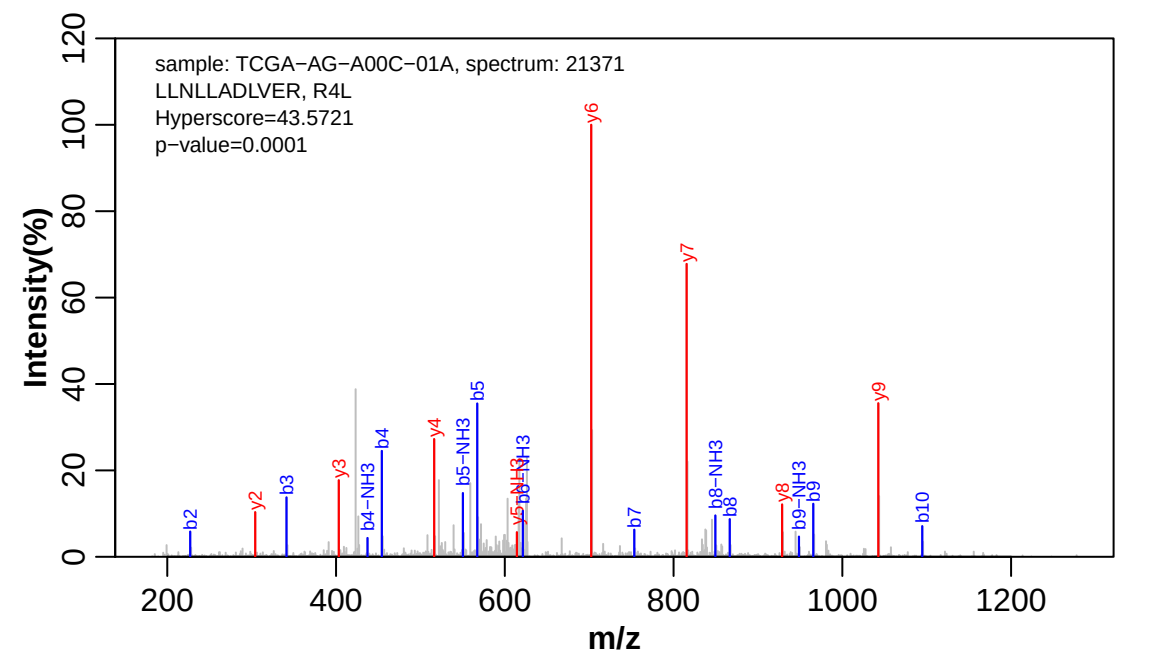

sample: TCGA−AG−A00C−01A, spectrum: 89466
LASDLLEWLQR, R10Q
Hyperscore=55.7909
p−value=0.0005
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
y3++
y4++−NH3
y4++
b6++y2
b7++
b4
b8++
b9++−H2O
b9++
b5
y4
b6
b7
y5
b8

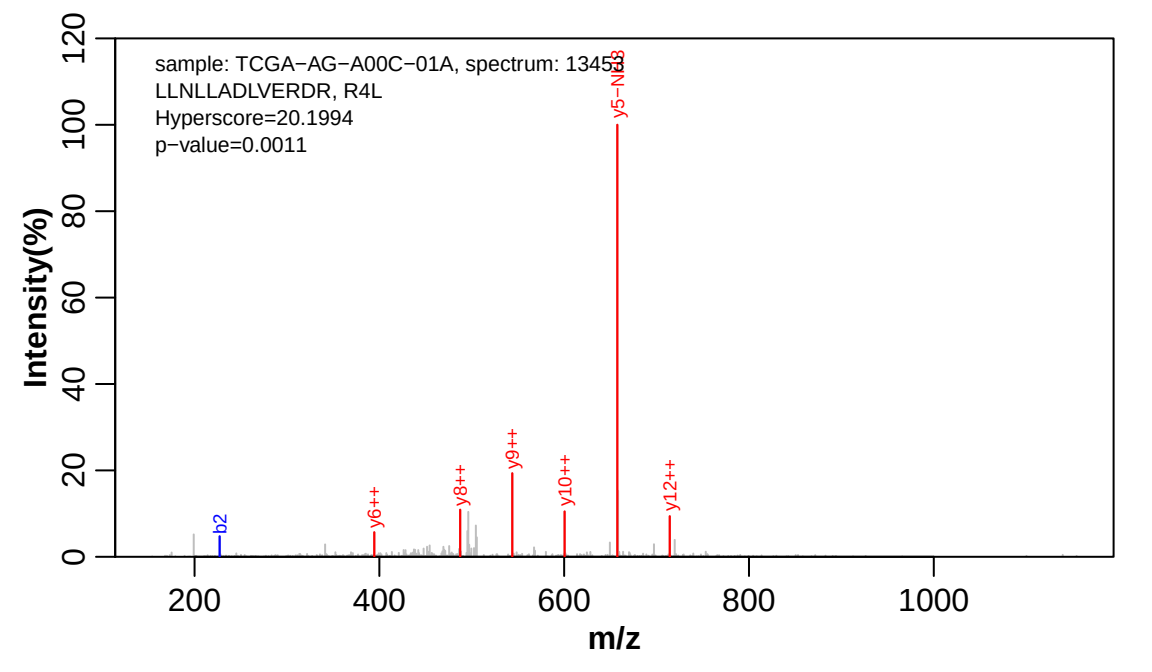

sample: TCGA−AG−A00C−01A, spectrum: 92294
LDSTDFTSTLK, G8S
Hyperscore=19.0639
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b4−H2O
y4
b5−H2O
b5
y5
y6
y7
y8
y9

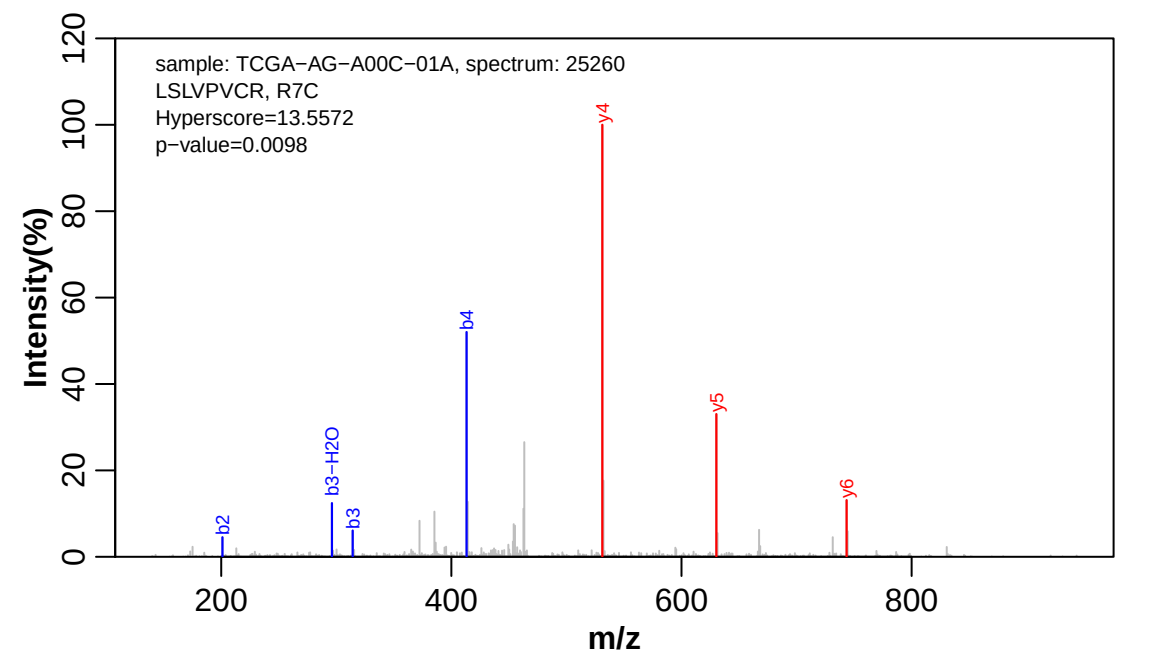

sample: TCGA−AG−A00C−01A, spectrum: 70855
LDSVLEFNLPDSLLLR, S8N
Hyperscore=24.0134
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600
y7
b4−H2O
b5
y5
b6−H2O
b6
y7−H2O
b7
y8−NH3
b8−NH3
b8
b9−H2O
b9−NH3
b9
y9
y10
b11−H2O
y11
y12
b14−NH3
b15

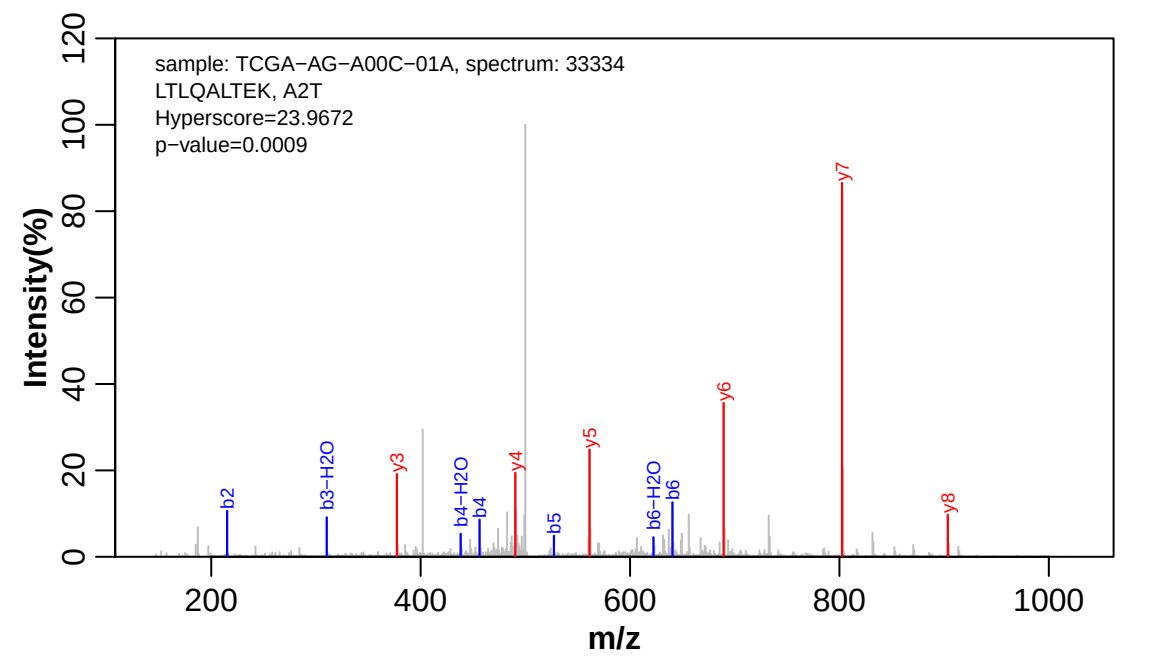

sample: TCGA−AG−A00C−01A, spectrum: 100475
LEGLLEGLGLR, G6E
Hyperscore=51.2975
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y7
y6
y9
y5
b2
y3
b4
b4−H2O
b5
b6
b10
b8
b7
y2
b3
y4
y5−NH3
y5−H2O
y6−NH3
y6−H2O
y9−NH3
b9

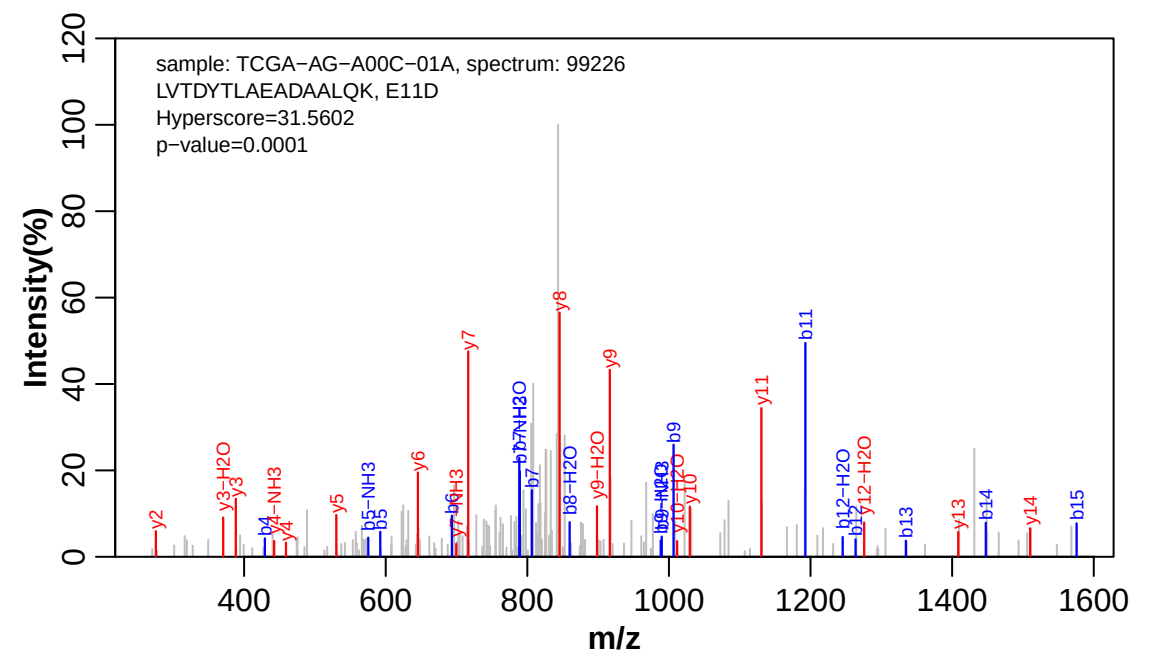

sample: TCGA−AG−A00C−01A, spectrum: 20124
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=78.3532
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4−H2O
y4
b7++
b4−H2O
b10++
y5
b11++
y6
b13++
b14++
b12++
b5
b15++−H2O
b7
b8
b10
b11
b12
b9
y10
b8
b7−H2O
b16++−NH3
y17++−H2O

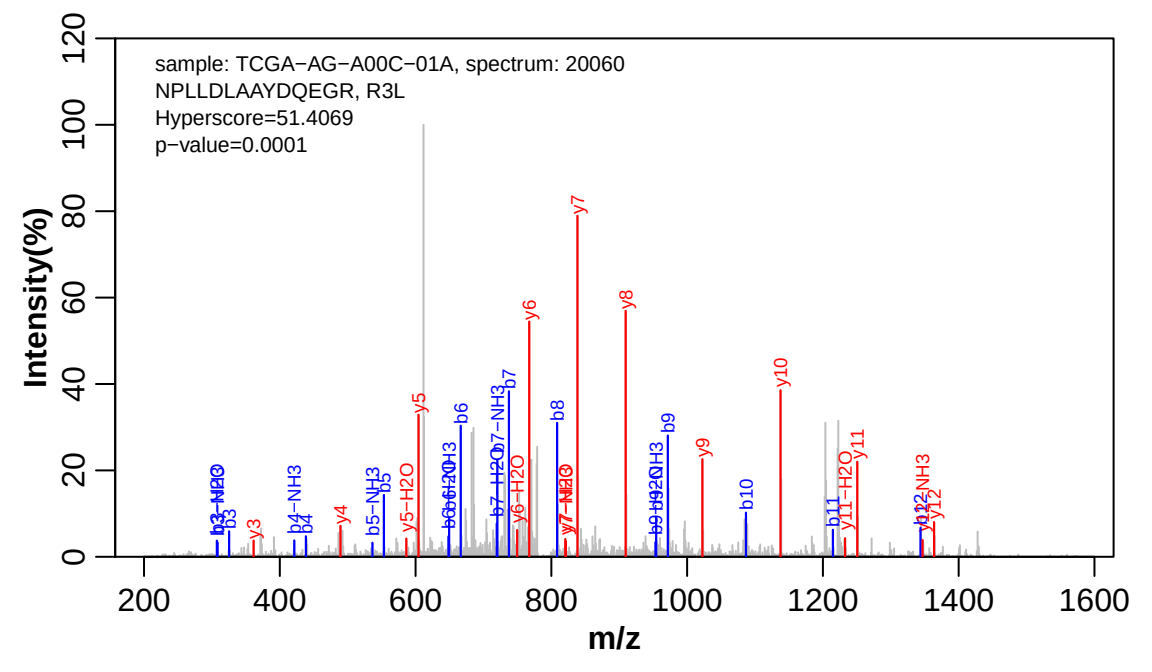

sample: TCGA−AG−A00C−01A, spectrum: 21371
LLNLLADLVER, R4L
Hyperscore=43.5721
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
b6−NH3
b6
b7
y6
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

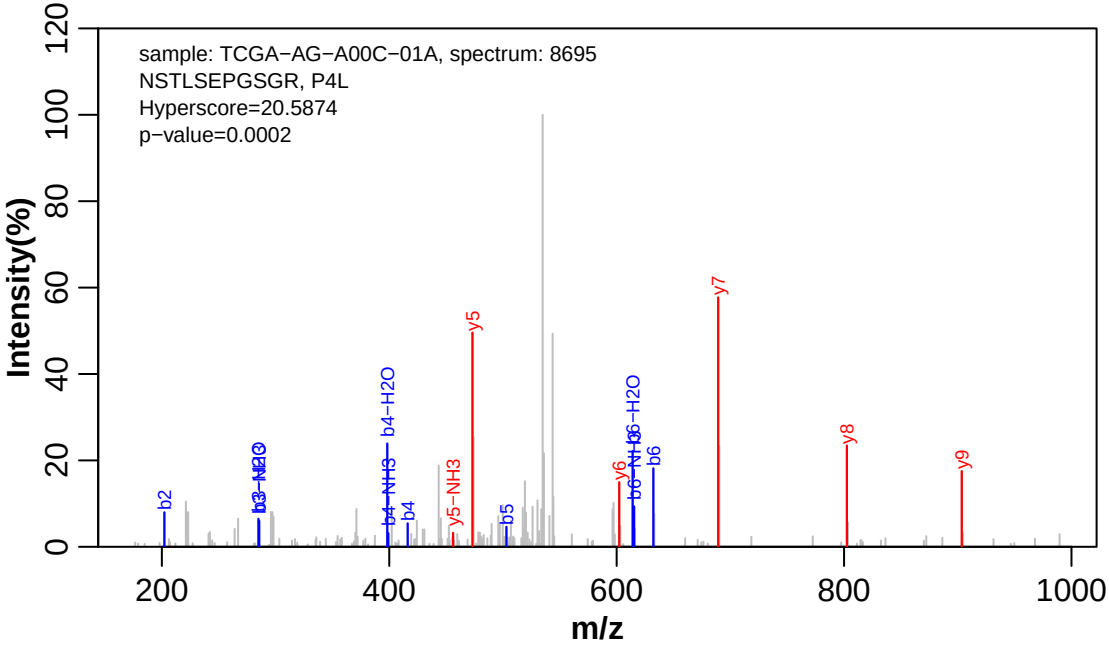

sample: TCGA−AG−A00C−01A, spectrum: 13453
LLNLLADLVERDR, R4L
Hyperscore=20.1994
p−value=0.0011
y5−NH3
b2
y6++
y8++
y9++
y10++
y12++
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000

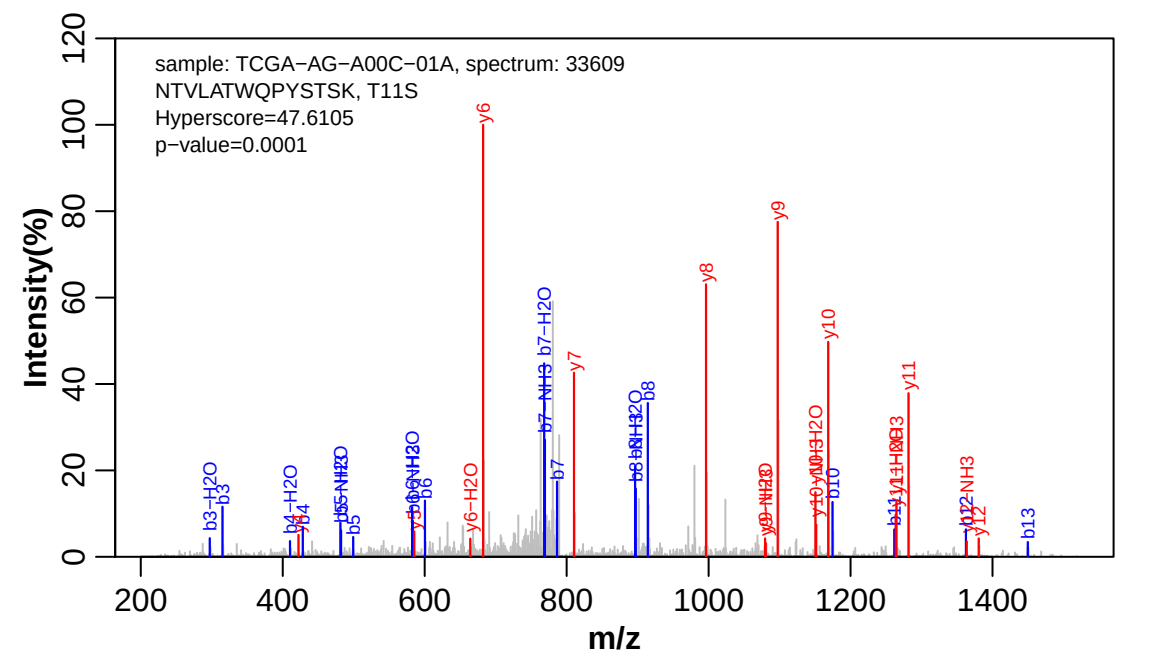

sample: TCGA−AG−A00C−01A, spectrum: 25260
LSLVPVCR, R7C
Hyperscore=13.5572
p−value=0.0098
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b2
b3−H2O
b3
b4
y4
y5
y6

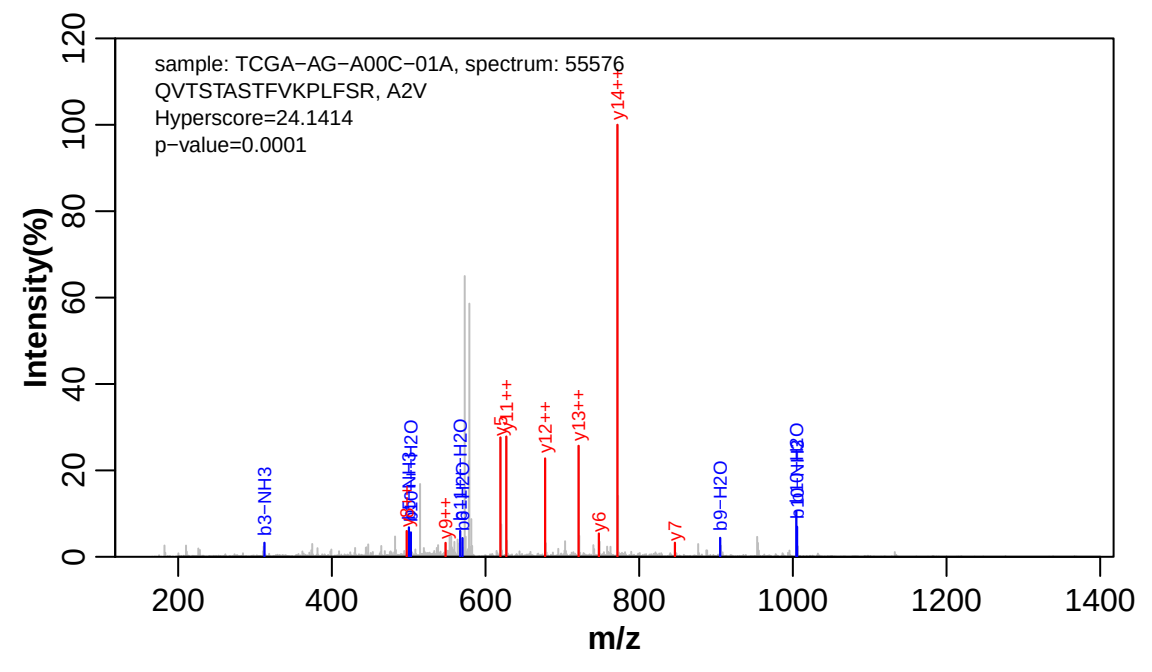

sample: TCGA−AG−A00C−01A, spectrum: 33334
LTLQALTEK, A2T
Hyperscore=23.9672
p−value=0.0009
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3−H2O
y3
b4−H2O
b4
y4
b5
y5
b6−H2O
b6
y6
y7
y8

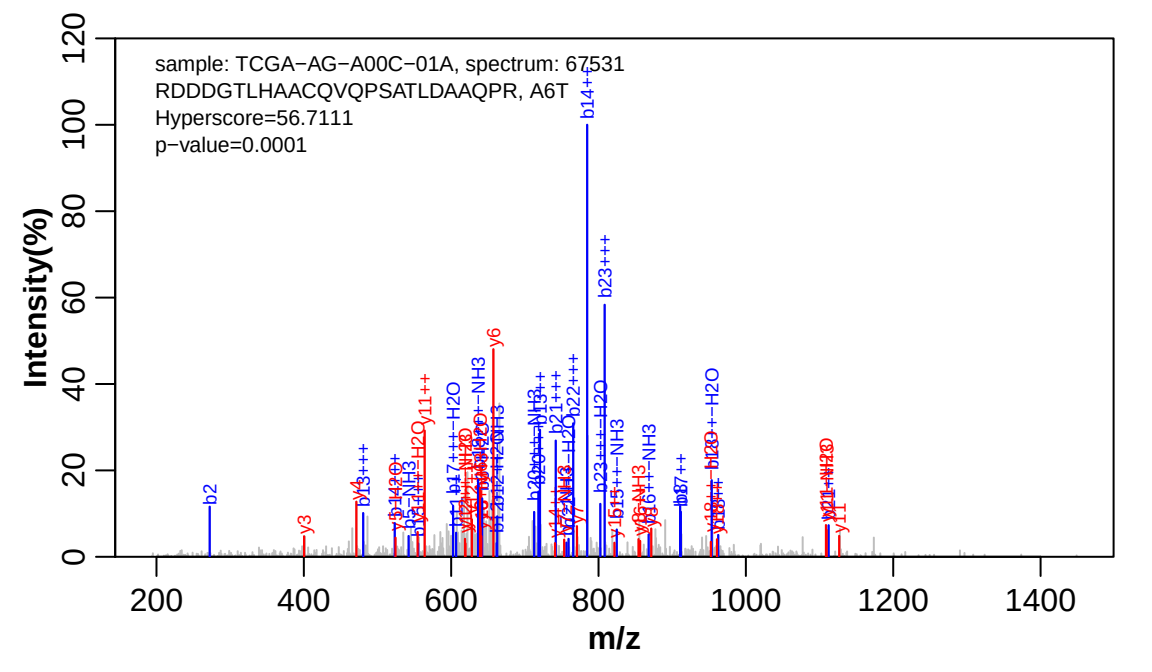

sample: TCGA−AG−A00C−01A, spectrum: 99226
LVTDYTLAEADAALQK, E11D
Hyperscore=31.5602
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600
y2
y3−H2O
y3
b4
b4−NH3
y4
y5
b5−NH3
b5
y6
y7−NH3
y7
b7−NH3O
b7
y8
b8−H2O
y9−H2O
y9
b9
y10−H2O
y10
y11
b11
b12−H2O
y12−H2O
b13
y13
b14
y14
b15

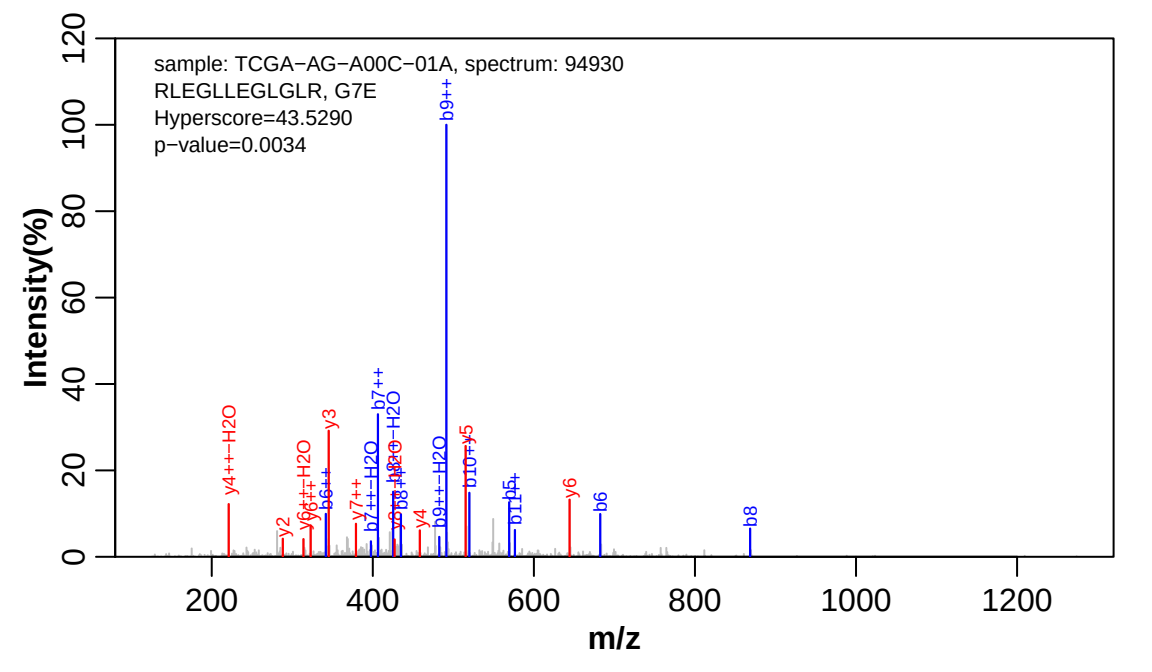

sample: TCGA−AG−A00C−01A, spectrum: 20060
NPLLDLAAYDQEGR, R3L
Hyperscore=51.4069
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y8
y6
y5
y10
y11
y9
y4
y3
y12
b8
b9
b7
b6
b10
b11
b5
b4
b3
b12
y5−H2O
y6−H2O
y7−H2O
y11−H2O
b7−NH3
b5−NH3
b4−NH3
y12−NH3

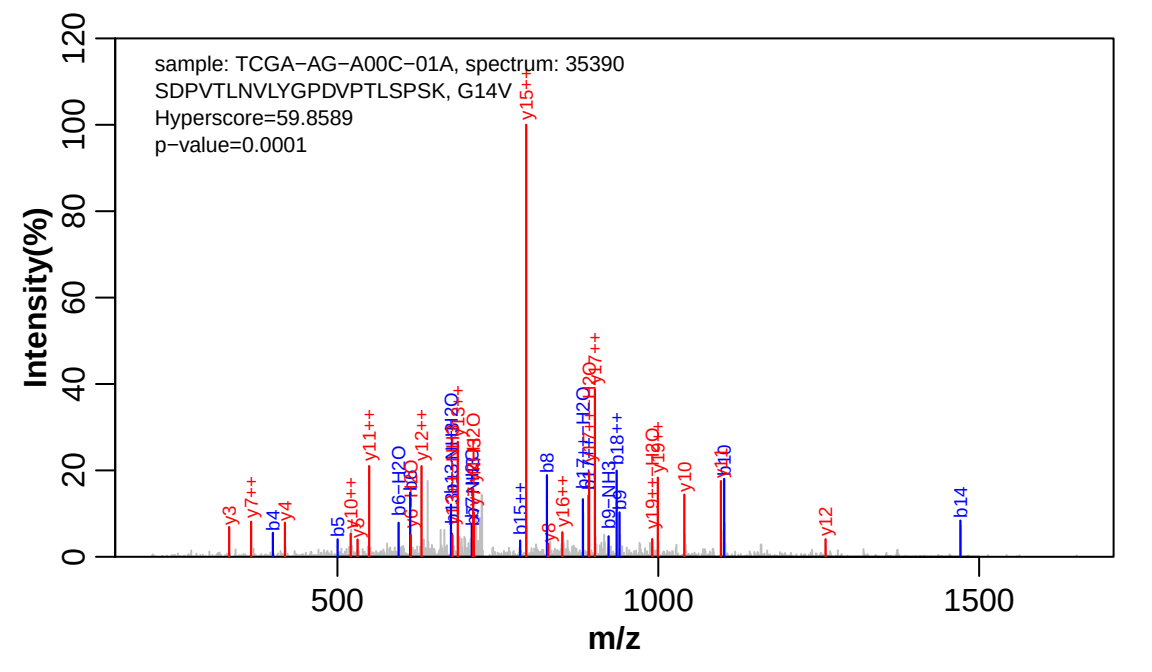

sample: TCGA−AG−A00C−01A, spectrum: 8695
NSTLSEPGSGR, P4L
Hyperscore=20.5874
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b4−H2O
b4−NH3
b4
y5−NH3
y5
b5
y6
b6−NH3
b6−H2O
b6
y7
y8
y9

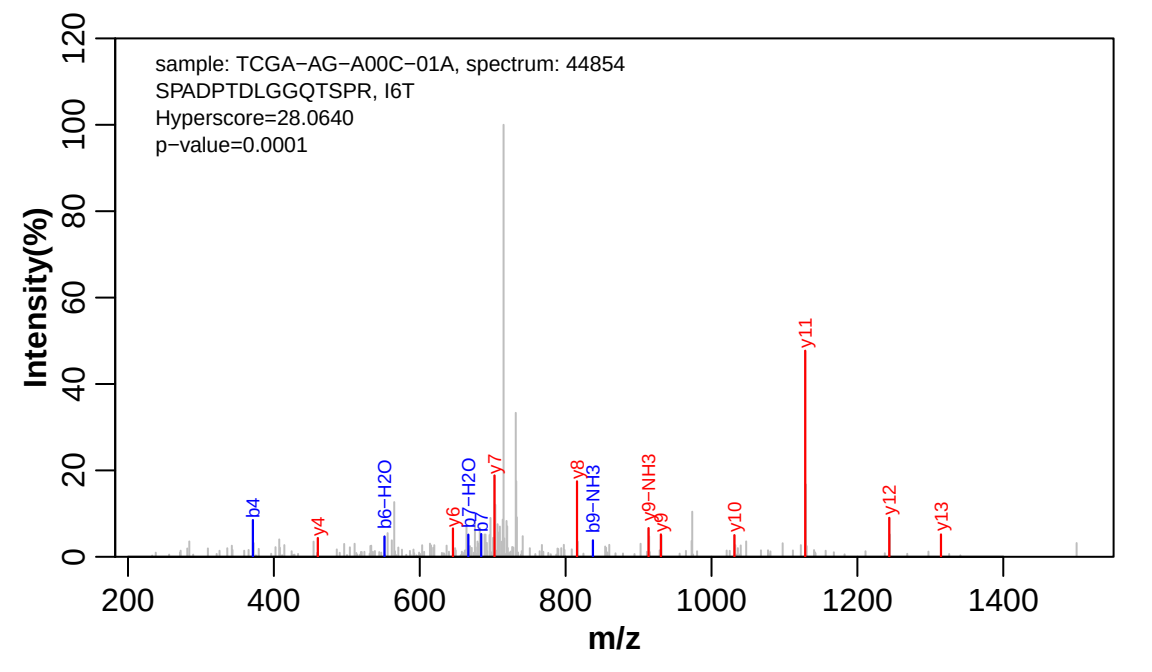

sample: TCGA−AG−A00C−01A, spectrum: 33609
NTVLATWQPYSTSK, T11S
Hyperscore=47.6105
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6
y8
y9
y10
y11
y7
b7−NH3
b7−H2O
b8
b7
y6−H2O
b3−H2O
b3
b4−H2O
y4
b5−NH3
b5
b6−NH3
b6
b10
y12−NH3
y12
b13

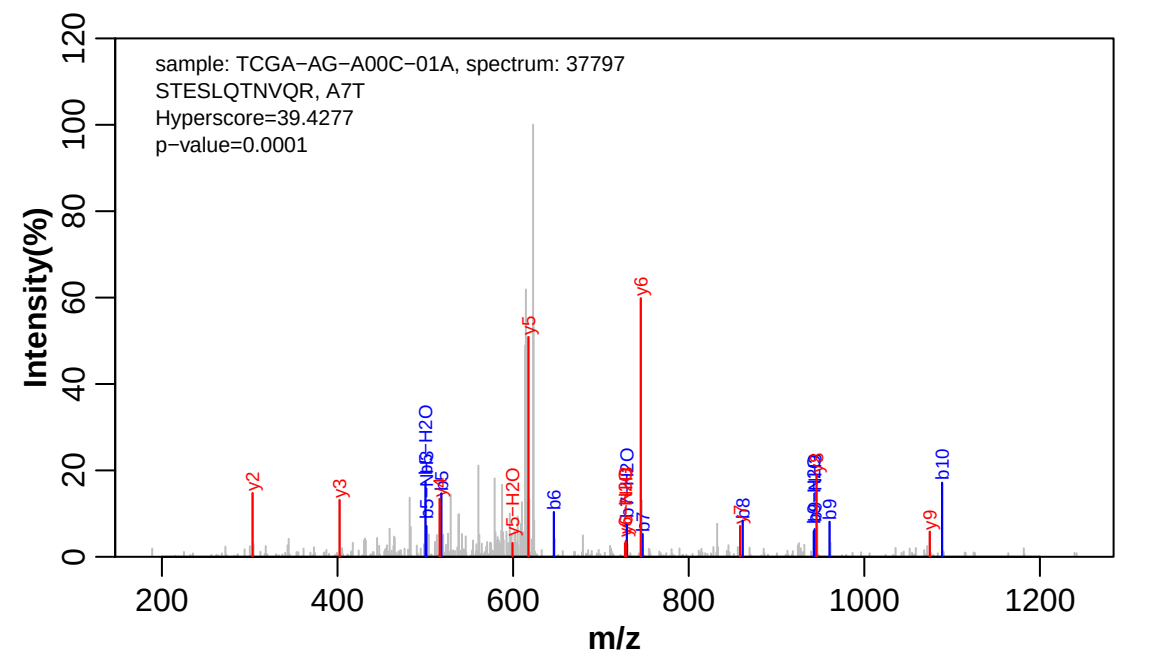

sample: TCGA−AG−A00C−01A, spectrum: 55576
QVTSTASTFVKPLFSR, A2V
Hyperscore=24.1414
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y14++
y11++
y12++
y13++
y6
y7
b3−NH3
b9−H2O

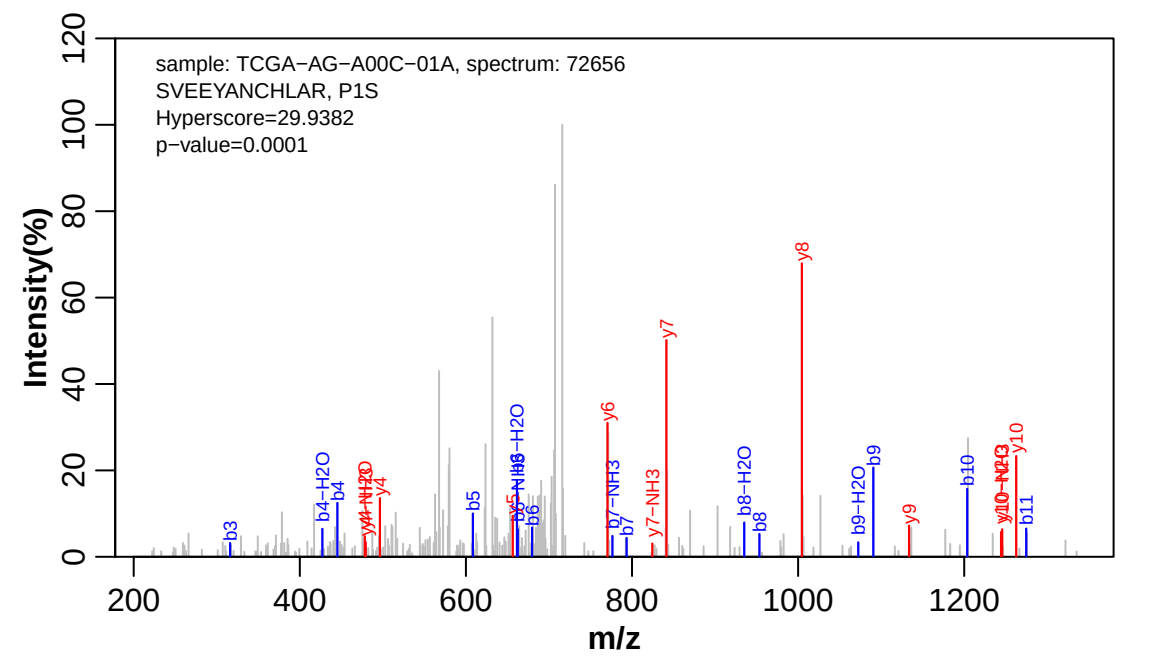

sample: TCGA−AG−A00C−01A, spectrum: 67531
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=56.7111
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b14++
b23+++
y6
b2
y3
b13+++
y11++
b17+++−H2O
b22+++
b23+++−H2O
y15++−NH3
b7++
b23++−H2O
y11

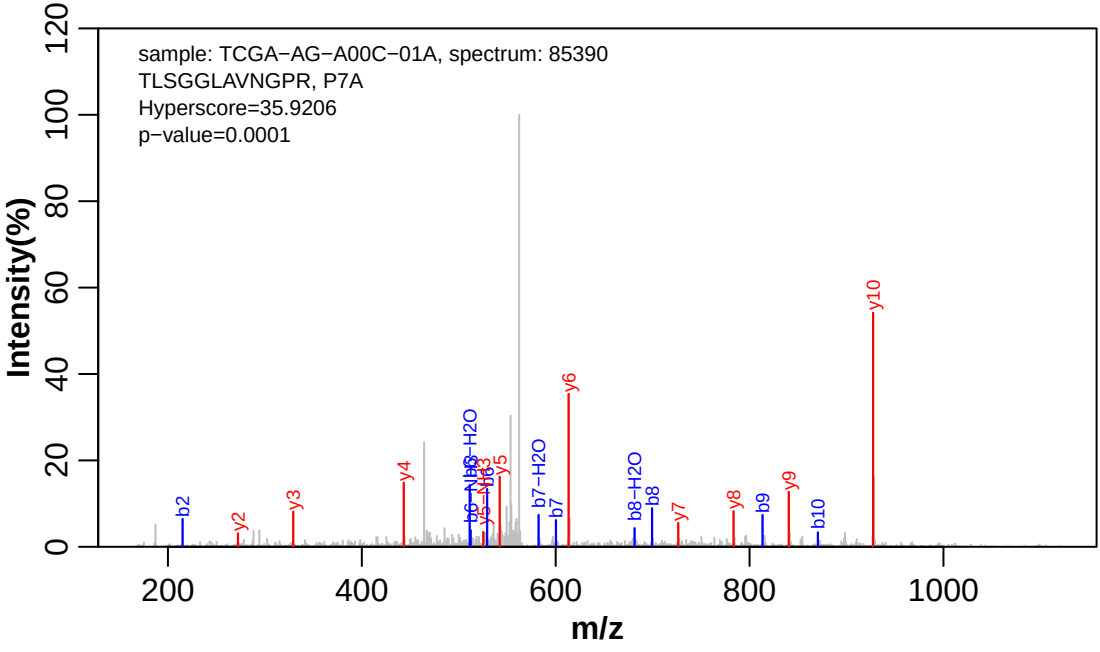

sample: TCGA−AG−A00C−01A, spectrum: 94930
RLEGLLEGLGLR, G7E
Hyperscore=43.5290
p−value=0.0034
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b9++
y4++−H2O
y3
b7++
b7++−H2O
y7++
y2
y6++
y6++−H2O
b6++
y4
b9++−H2O
b10+y5
b11+
b5+
y6
b6
b8

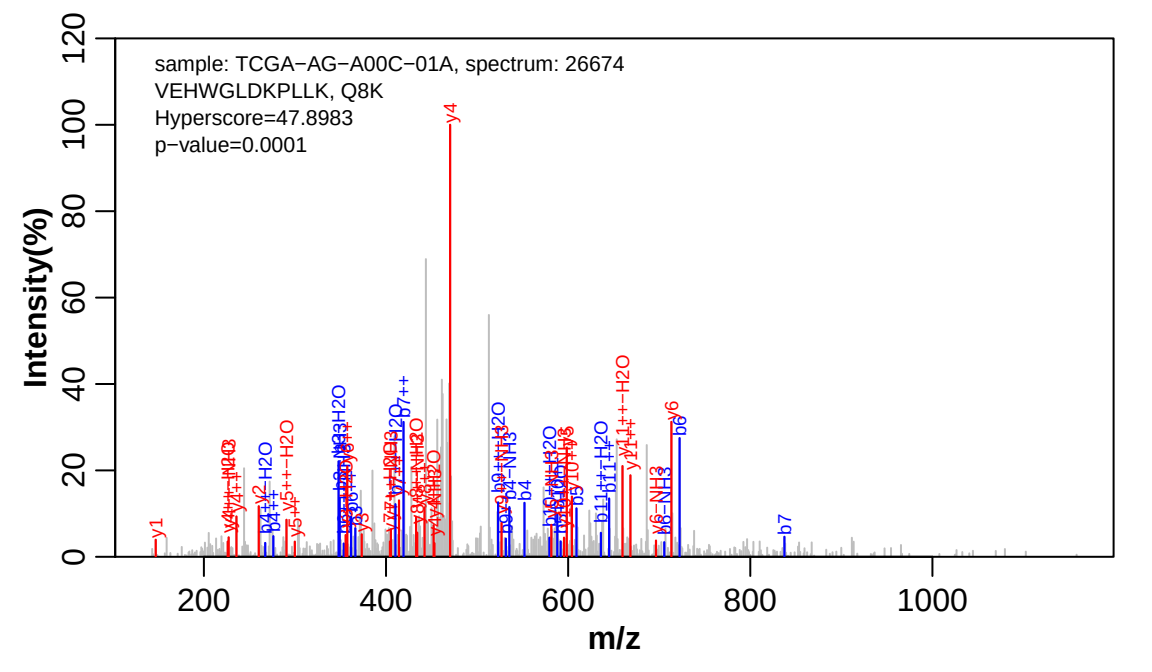

sample: TCGA−AG−A00C−01A, spectrum: 35390
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=59.8589
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y15++
y3
y7++
b4
y4
b5
y10++
y5
y11++
b6−H2O
y6−H2O
y12++
b15++
b8
y16++
y8
b17++−H2O
y17++
b18++
b9−NH3
y19++−H2O
y10
y9
y12
b14

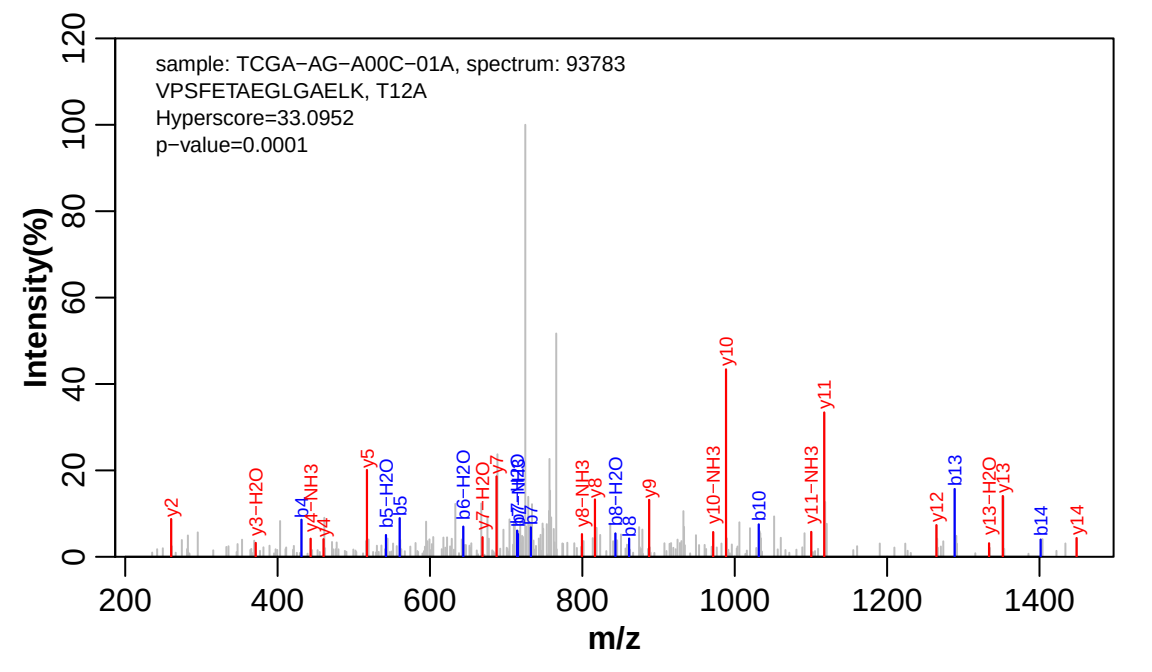

sample: TCGA−AG−A00C−01A, spectrum: 44854
SPADPTDLGGQTSPR, I6T
Hyperscore=28.0640
p−value=0.0001
Intensity(%)
m/z
b4
y4
b6−H2O
y6
b7−H2O
b7
y7
y8
b9−NH3
y9−NH3
y9
y10
y11
y12
y13

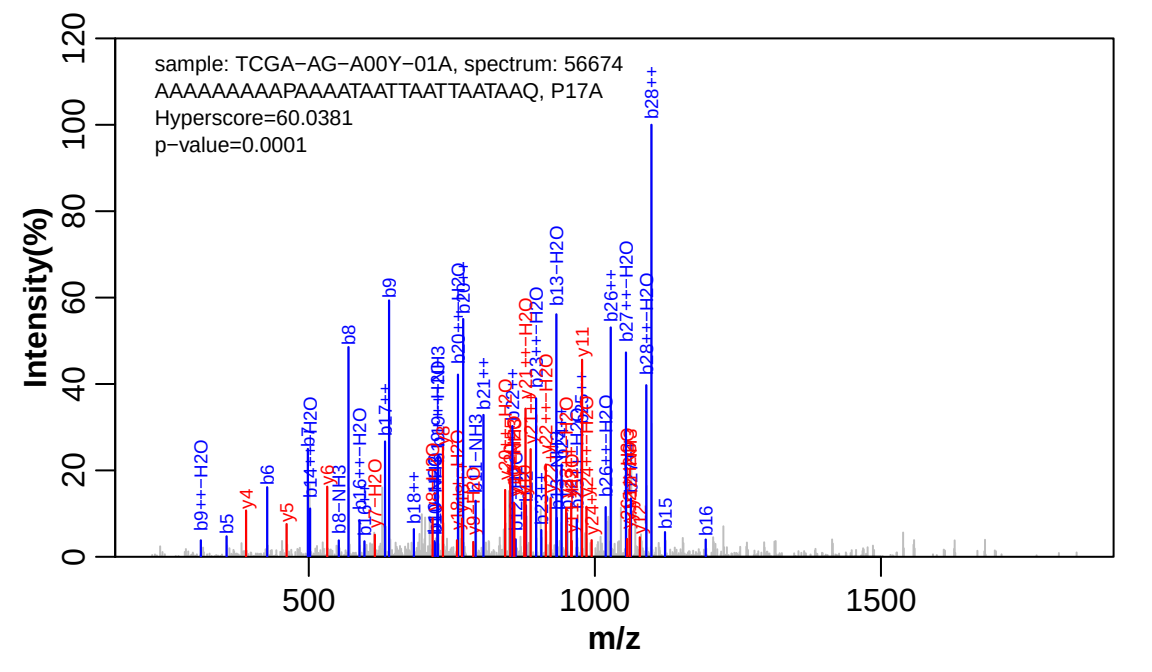

sample: TCGA−AG−A00C−01A, spectrum: 37797
STESLQTNVQR, A7T
Hyperscore=39.4277
p−value=0.0001
Intensity(%)
m/z
y2
y3
y5
y6
b6
b10
y9
y5−H2O

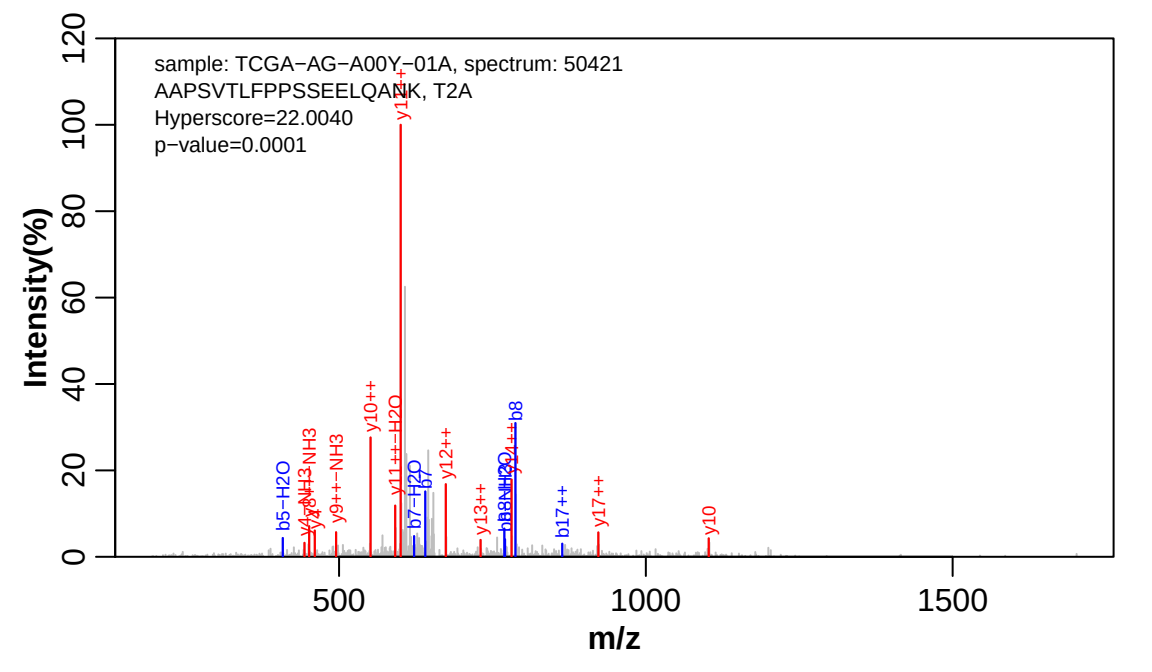

sample: TCGA−AG−A00C−01A, spectrum: 72656
SVEEYANCHLAR, P1S
Hyperscore=29.9382
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
b4−H2O
b4
y4−NH3
y4
b5
y5−NH3
y5
b6−H2O
b6
y6
b7−NH3
b7
y7−NH3
y7
b8−H2O
b8
y8
b9−H2O
b9
y9
b10
y10−NH3
y10
b11

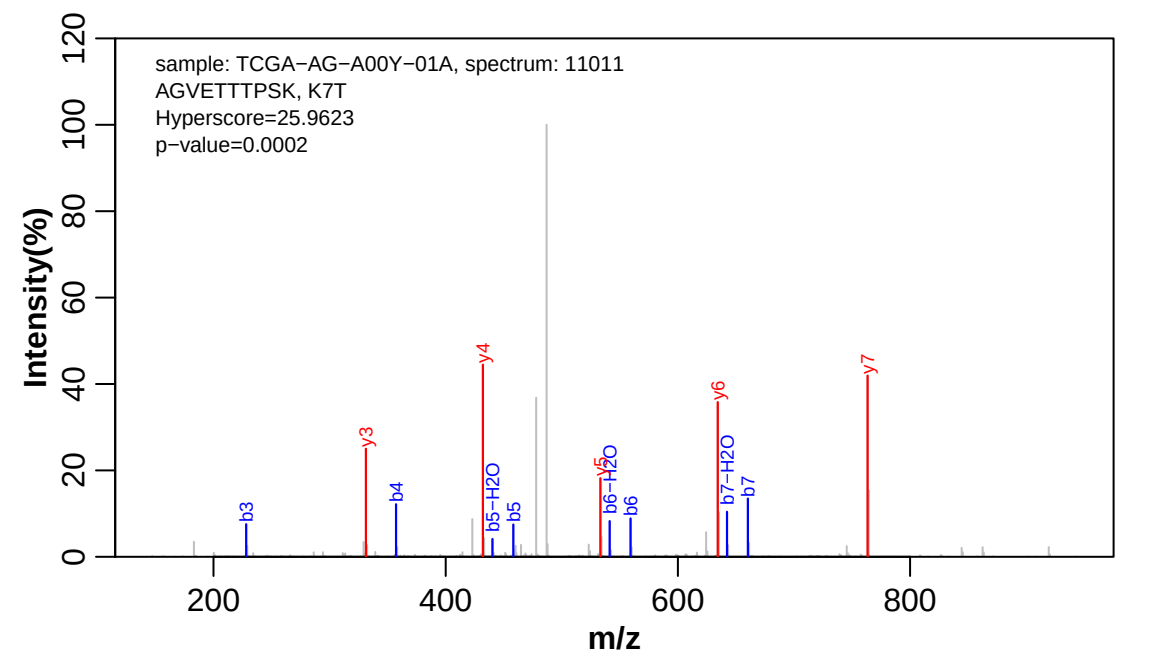

sample: TCGA−AG−A00C−01A, spectrum: 85390
TLSGGLAVNGPR, P7A
Hyperscore=35.9206
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b2
y2
y3
y4
b6−NH3
b6−H2O
y5−NH3
y5
b7−H2O
b7
y6
b8−H2O
b8
y7
y8
b9
y9
b10
y10

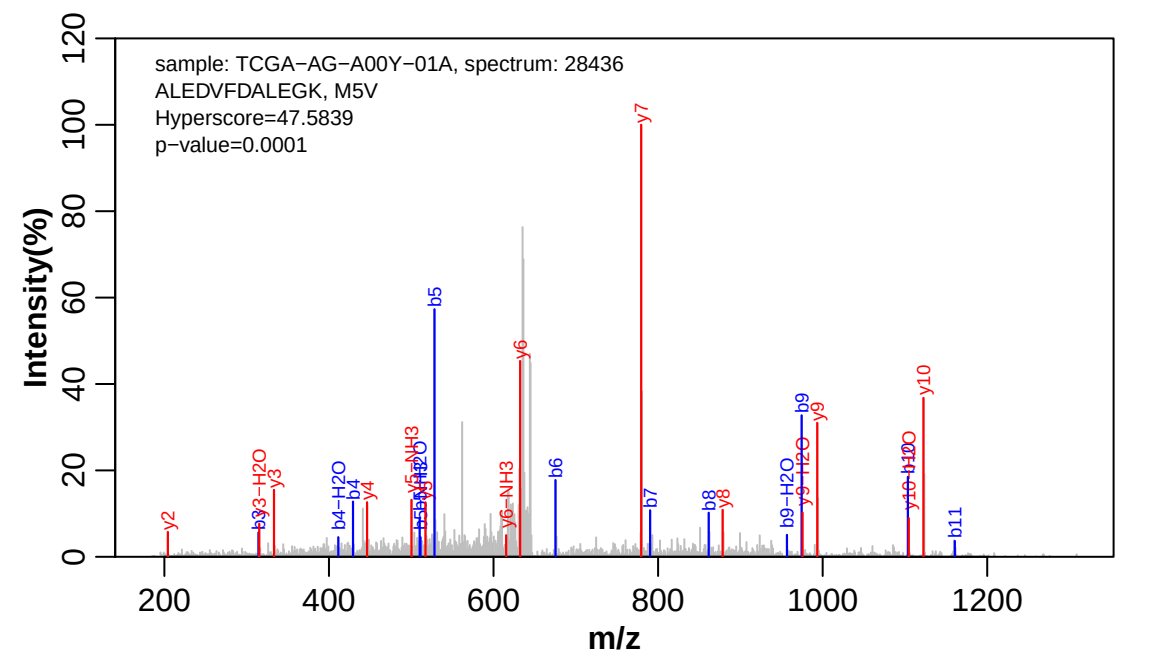

sample: TCGA−AG−A00C−01A, spectrum: 26674
VEHWGLDKPLLK, Q8K
Hyperscore=47.8983
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y4
y1
b7
b6
b4
y5++−H2O
y11++−H2O
b11++−H2O
b6−NH3
b4−NH3

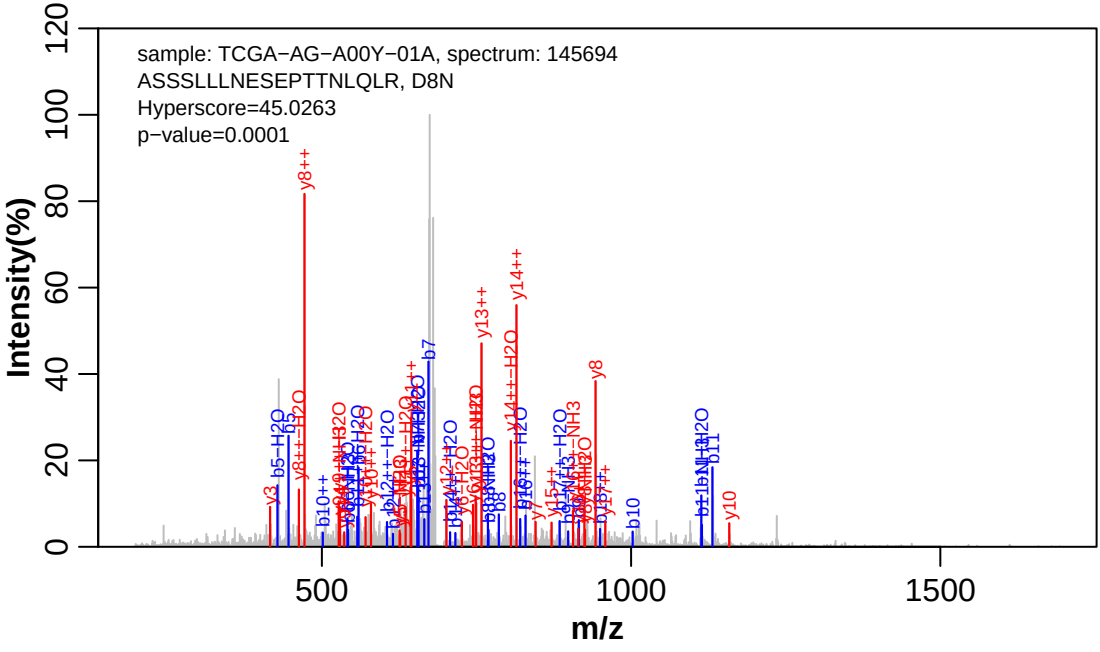

sample: TCGA−AG−A00C−01A, spectrum: 93783
VPSFETAEGLGAELK, T12A
Hyperscore=33.0952
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3−H2O
b4
y4−NH3
y4
y5
b5−H2O
b5
b6−H2O
y7−H2O
y7
b7−NH3
b7
y8−NH3
y8
b8−H2O
b8
y9
y10
y10−NH3
b10
y11
y11−NH3
y12
b13
y13−H2O
y13
b14
y14

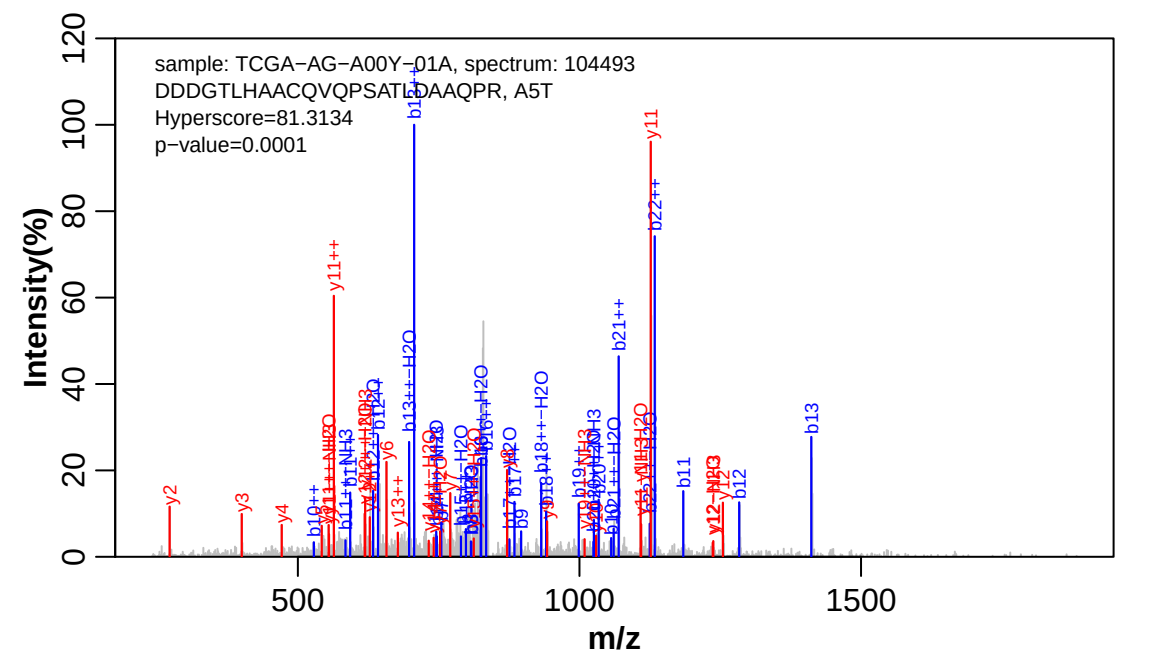

sample: TCGA−AG−A00Y−01A, spectrum: 56674
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=60.0381
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b9++−H2O
b5
y4
b6
y5
b14++−H2O
b8−NH3
y6
b8
b16++−H2O
y7−H2O
b17++
b9
b18++
b21++
b13−H2O
b26++
b27++−H2O
b28++−H2O
b28++
b15
b16

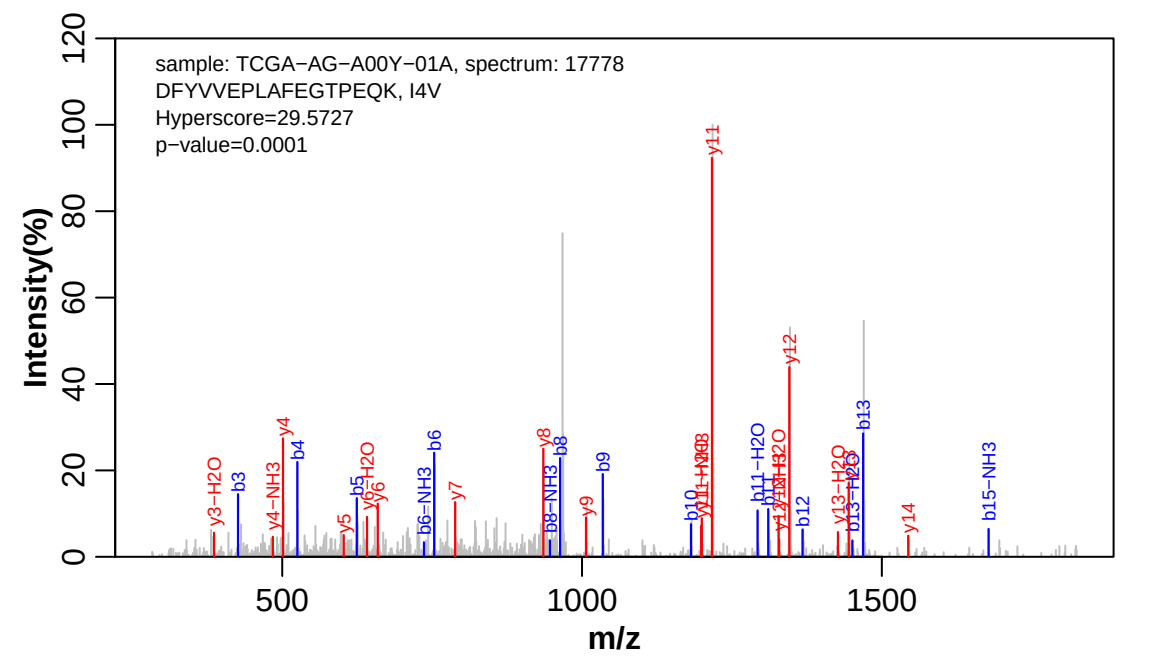

sample: TCGA−AG−A00Y−01A, spectrum: 50421
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=22.0040
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
y10++
y11++−H2O
y12++
y9++−NH3
b5−H2O
b7
b7−H2O
b8
y13++
b17++
y17++
y10

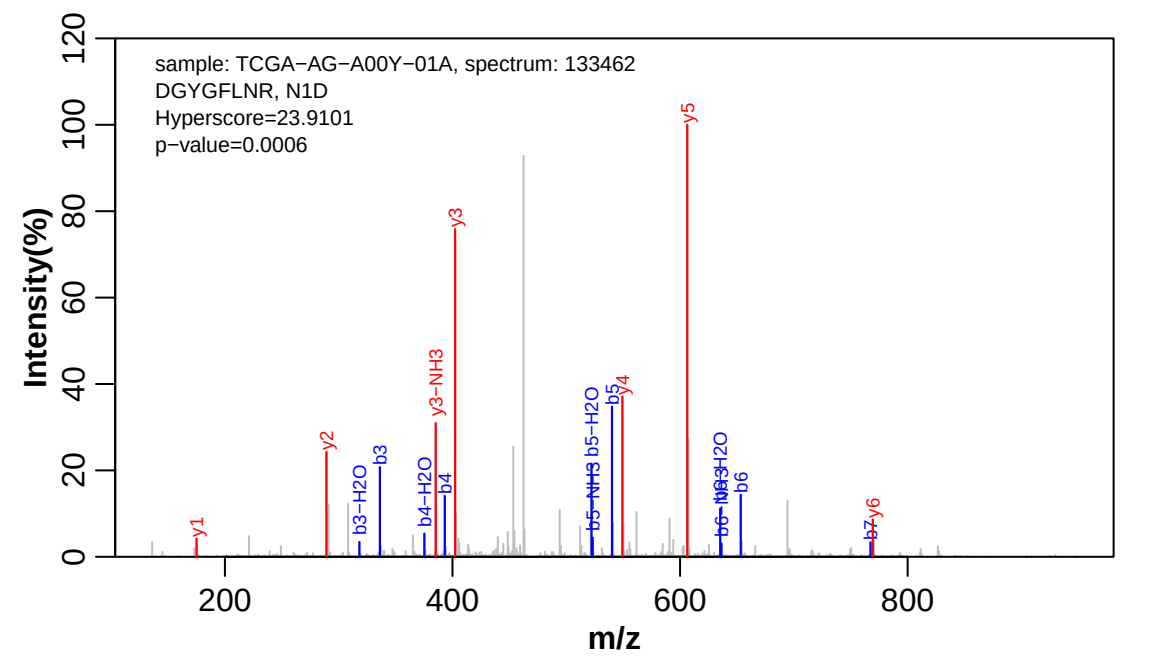

sample: TCGA−AG−A00Y−01A, spectrum: 11011
AGVETTTPSK, K7T
Hyperscore=25.9623
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7

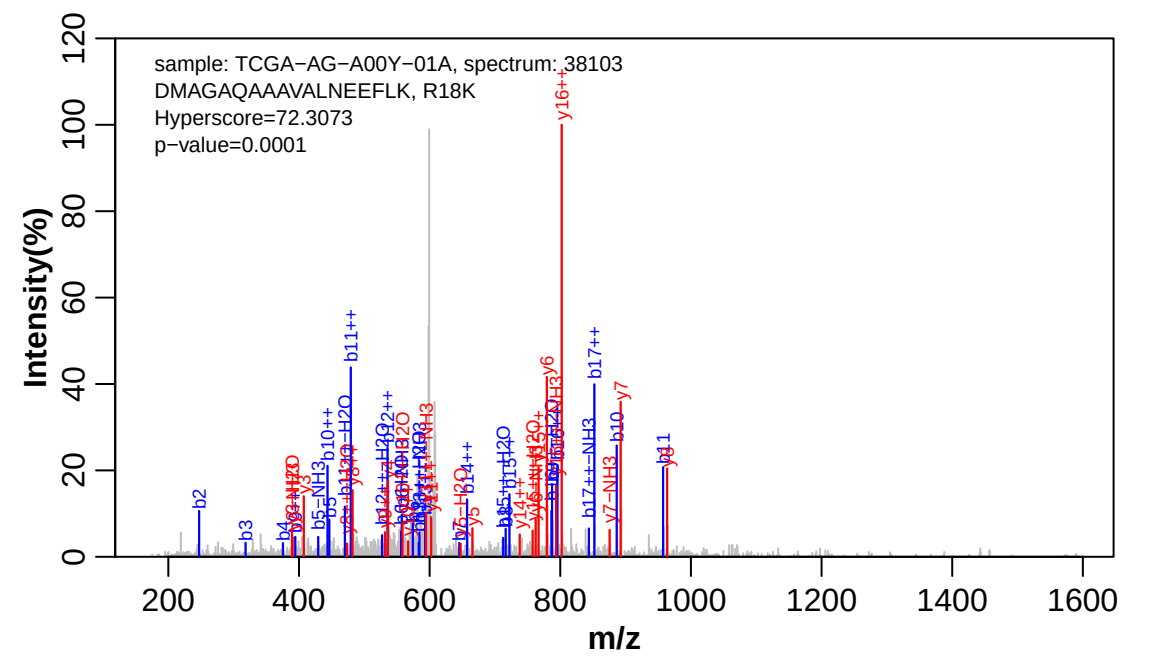

sample: TCGA−AG−A00Y−01A, spectrum: 28436
ALEDVFDALEGK, M5V
Hyperscore=47.5839
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
b4
y4
b5
y6
y6−NH3
b6
y7
b7
b8
y8
b9−H2O
y9−H2O
b9
y9
y10
b11

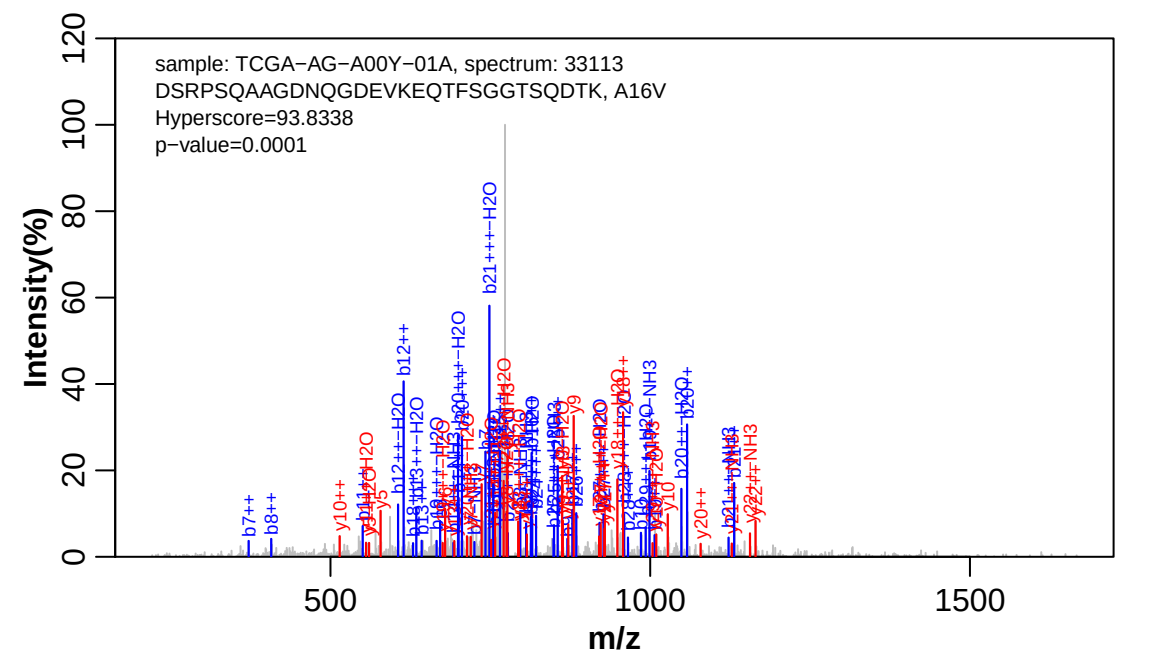

sample: TCGA−AG−A00Y−01A, spectrum: 145694
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=45.0263
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
y8++-H2O
y3
b5-H2O
b5
b10++
y13++
y14++
y14++-H2O
y8
b7
y15++
b10
y10
b11

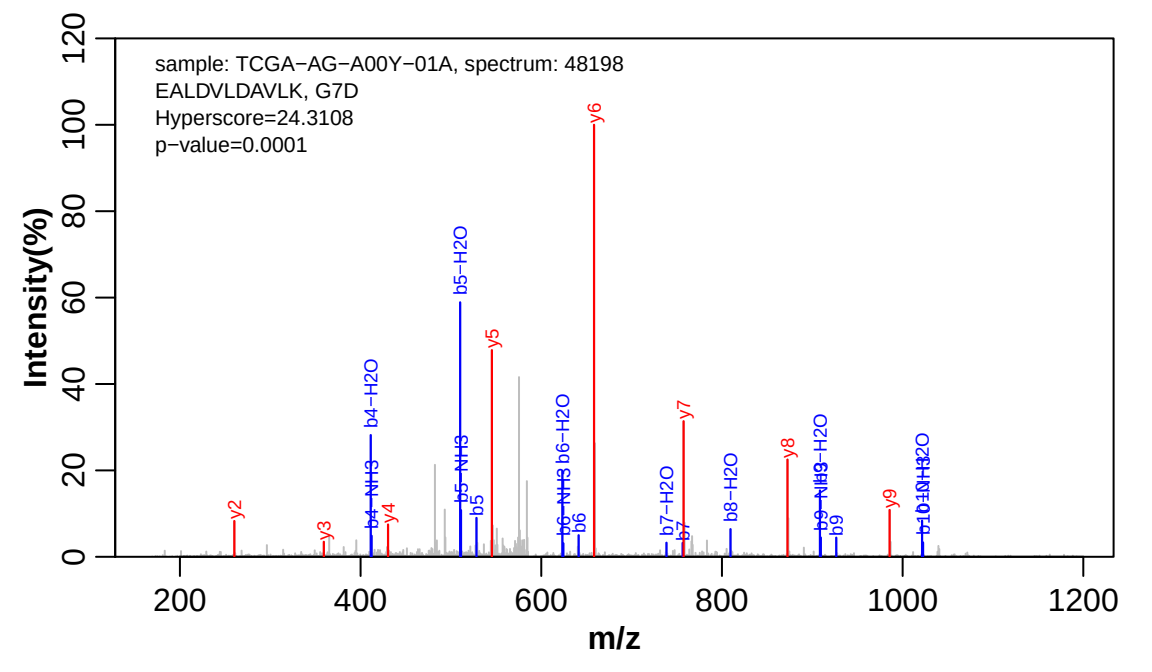

sample: TCGA−AG−A00Y−01A, spectrum: 104493
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=81.3134
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
y4
b10++
y11++
b11++−NH3
y6
y13++
b13++−H2O
b15++−H2O
b16++−H2O
b18++−H2O
b21++
b22++
y11
b13
b11
b12
y12−NH3

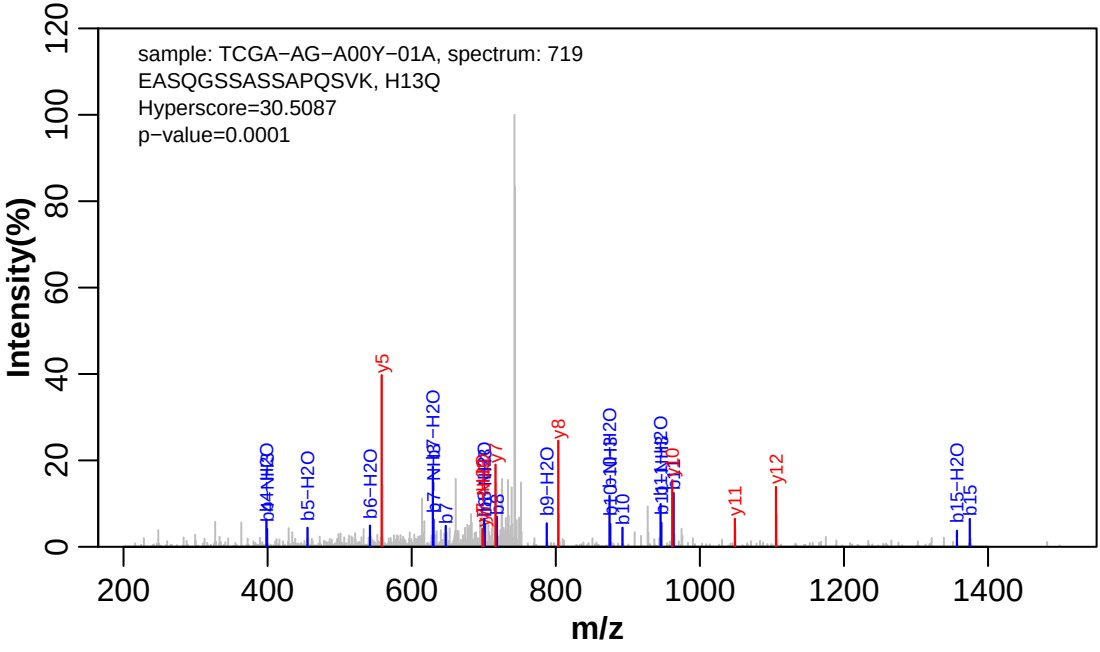

sample: TCGA−AG−A00Y−01A, spectrum: 17778
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=29.5727
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3−H2O
b3
y4−NH3
y4
b4
y5
b5
y6
y6−H2O
b6−NH3
b6
y7
y8
b8−NH3
b8
y9
b9
b10
y11
y11−H2O
b11−H2O
b11
y12
y12−NH3
y12−H2O
b12
y13−H2O
b13−H2O
b13
y14
b15−NH3

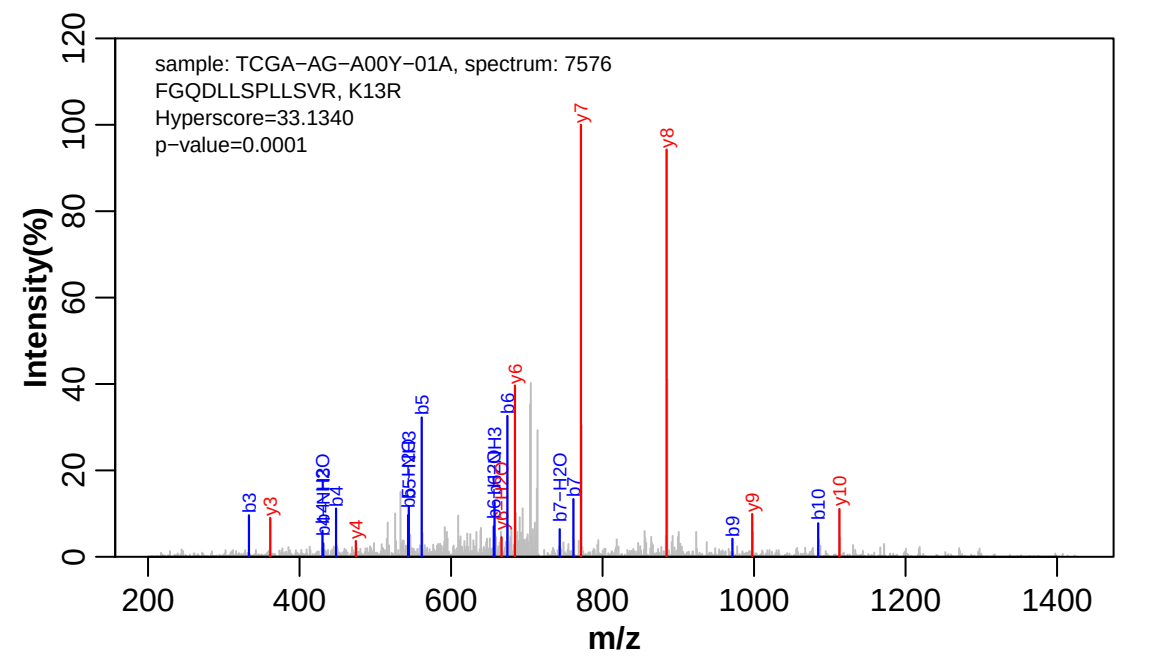

sample: TCGA−AG−A00Y−01A, spectrum: 133462
DGYGFLNR, N1D
Hyperscore=23.9101
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6
y6

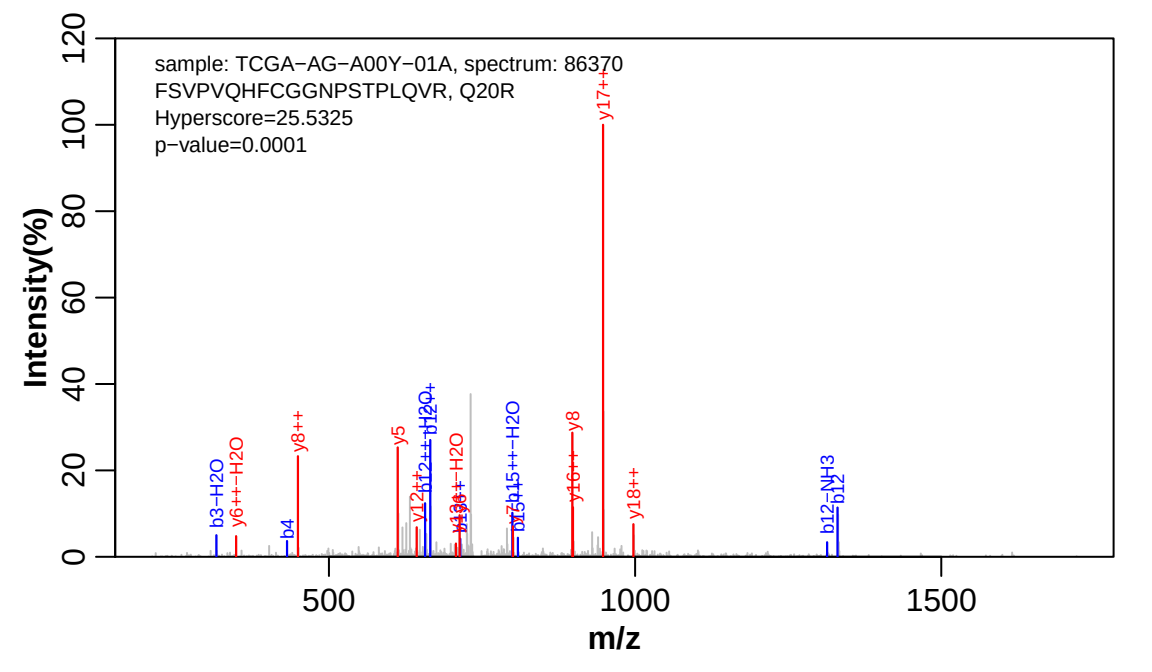

sample: TCGA−AG−A00Y−01A, spectrum: 38103
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=72.3073
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y16++
b11++
b2
b3
b5−NH3
b10++
b5
b17++
b17++−NH3
y7−NH3
b10−y7
y11
y6
y5
b14++
y14++
y7−H2O
b11

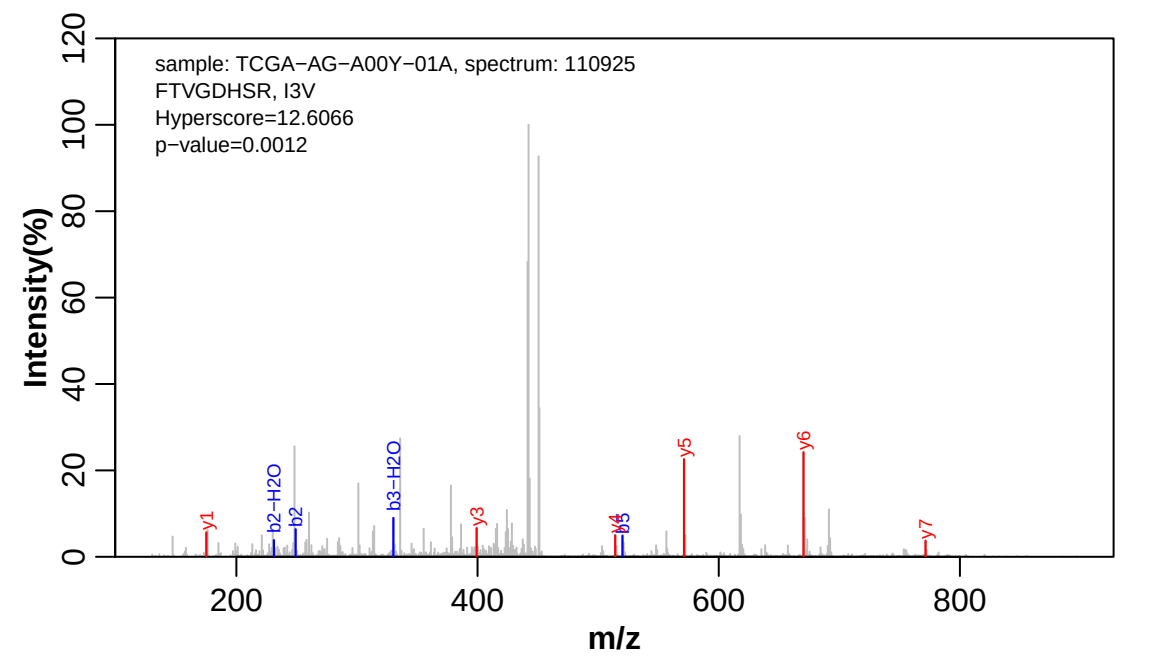

sample: TCGA−AG−A00Y−01A, spectrum: 33113
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=93.8338
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b7++
b8++
y10++
y5
b12++
b12++−H2O
b21+++−H2O
y9
y20++
b20++
y22++NH3

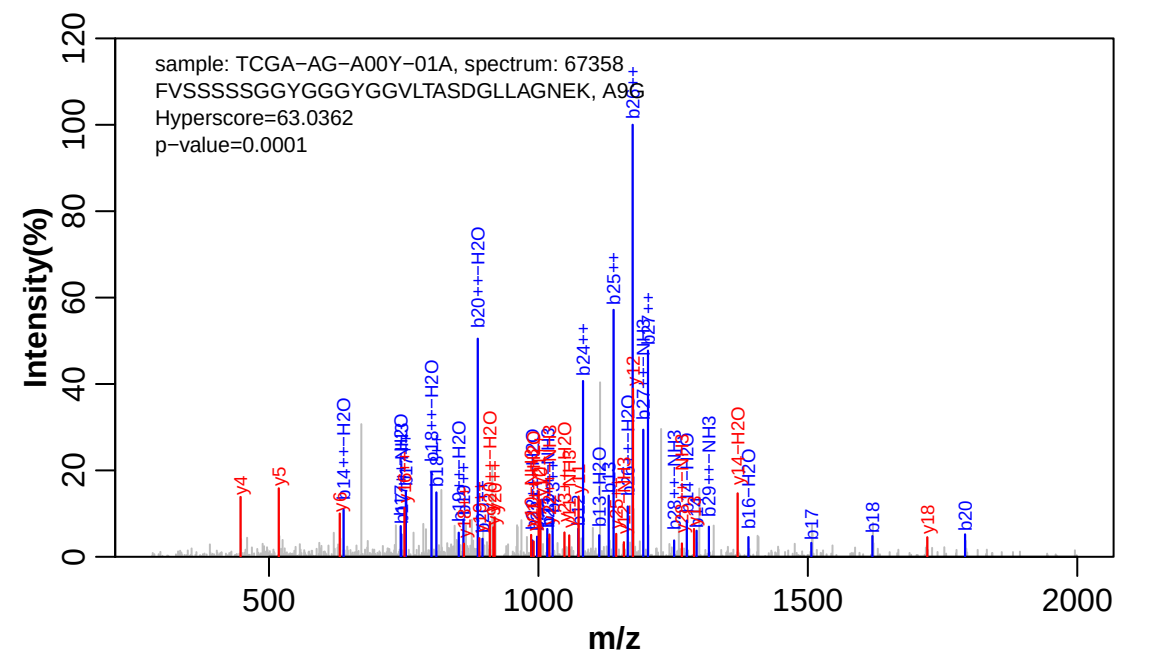

sample: TCGA−AG−A00Y−01A, spectrum: 48198
EALDVLDAVLK, G7D
Hyperscore=24.3108
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y3
b4−NH3
b4−H2O
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−H2O
y8
b9−NH3
b9−H2O
b9
y9
b10−NH3
b10−H2O

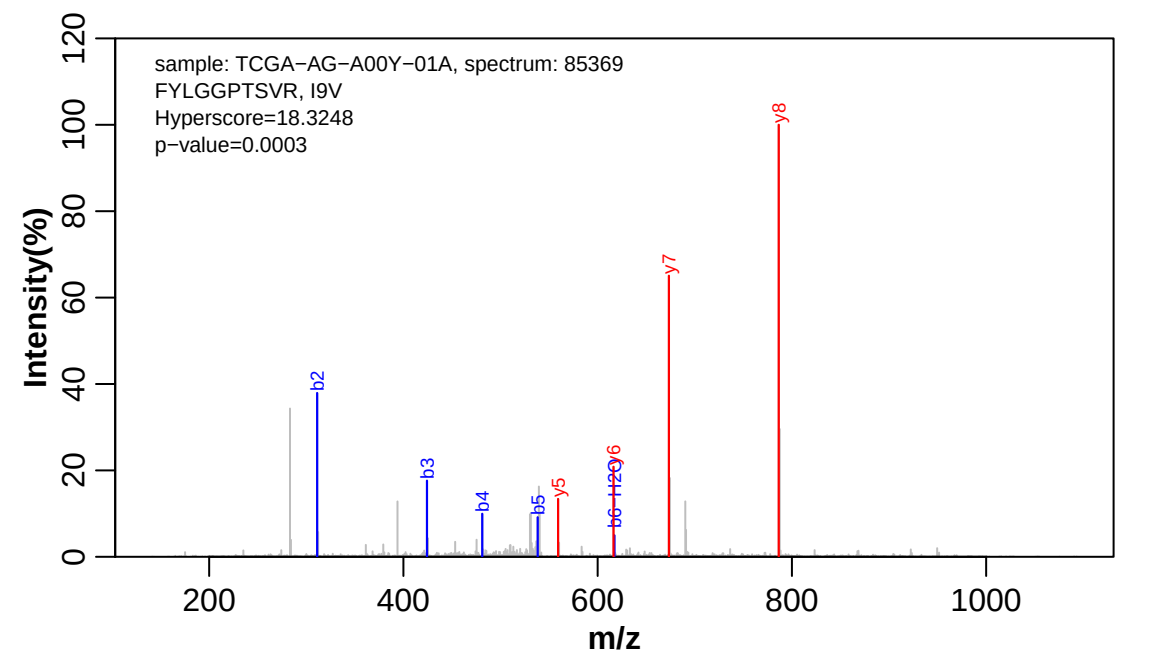

sample: TCGA−AG−A00Y−01A, spectrum: 719
EASQGSSASSAPQSVK, H13Q
Hyperscore=30.5087
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
b5−H2O
b6−H2O
b7−H2O
b7
y8
b9−H2O
b10
y10
y11
y12
b15−H2O
b15

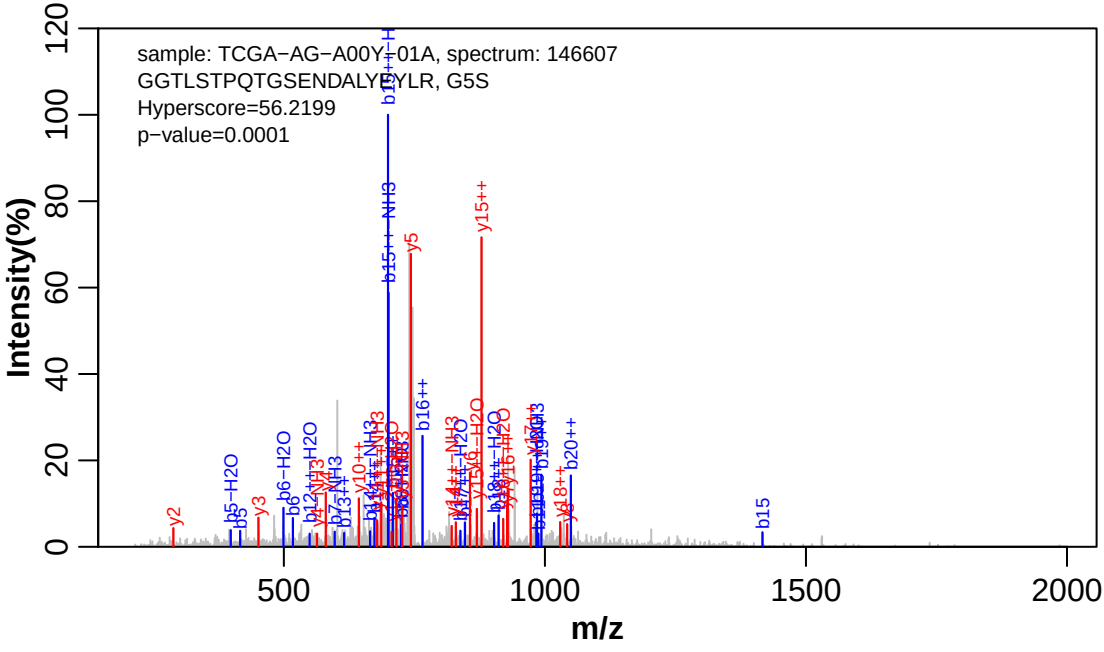

sample: TCGA−AG−A00Y−01A, spectrum: 7576
FGQDLLSPLLSVR, K13R
Hyperscore=33.1340
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−NH3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
b6−H2O
b6
y6
y7
y8
b7−H2O
b7
b9
y9
b10
y10

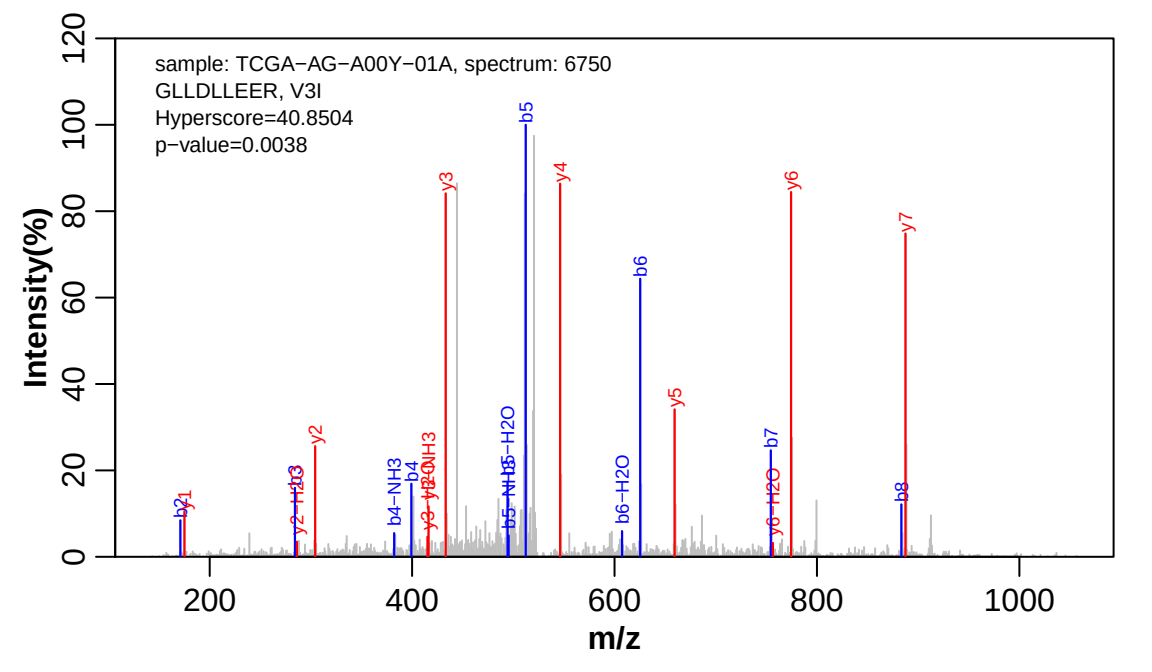

sample: TCGA−AG−A00Y−01A, spectrum: 86370
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=25.5325
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y6++−H2O
b4
y8++
y5
y12++
b12++
b12++
y13++−H2O
y13++−H2O
b15++−H2O
y16++
y8
y17++
y18++
b12−NH3
b12

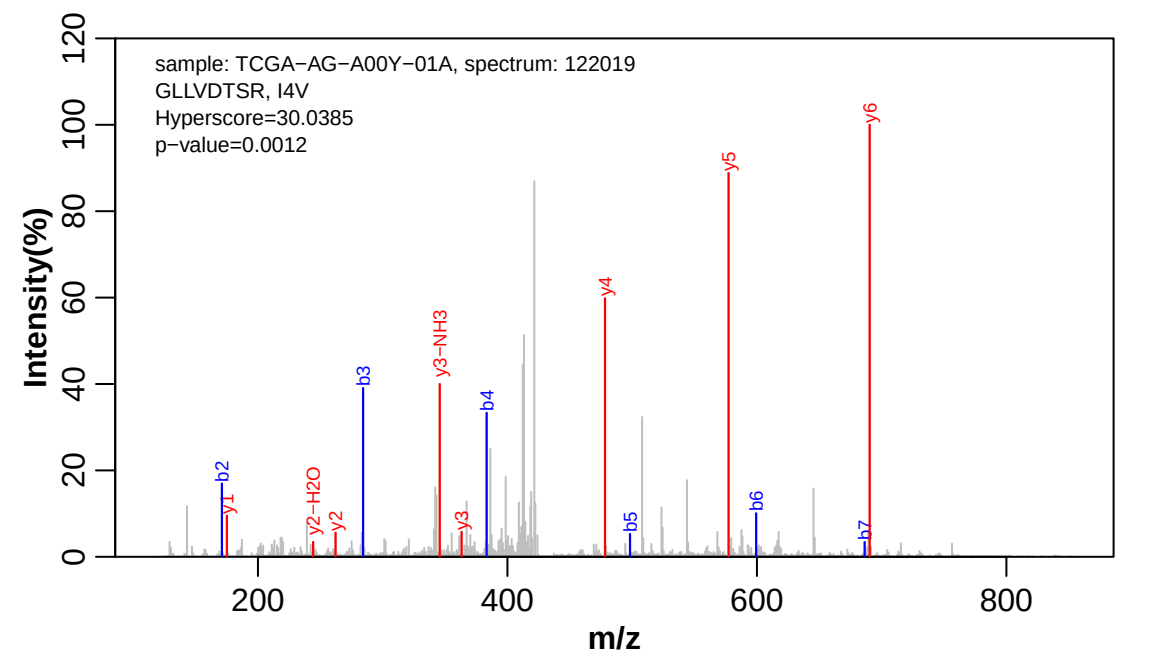

sample: TCGA−AG−A00Y−01A, spectrum: 110925
FTVGDHSR, I3V
Hyperscore=12.6066
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
b3−H2O
y3
y4
b5
y5
y6
y7

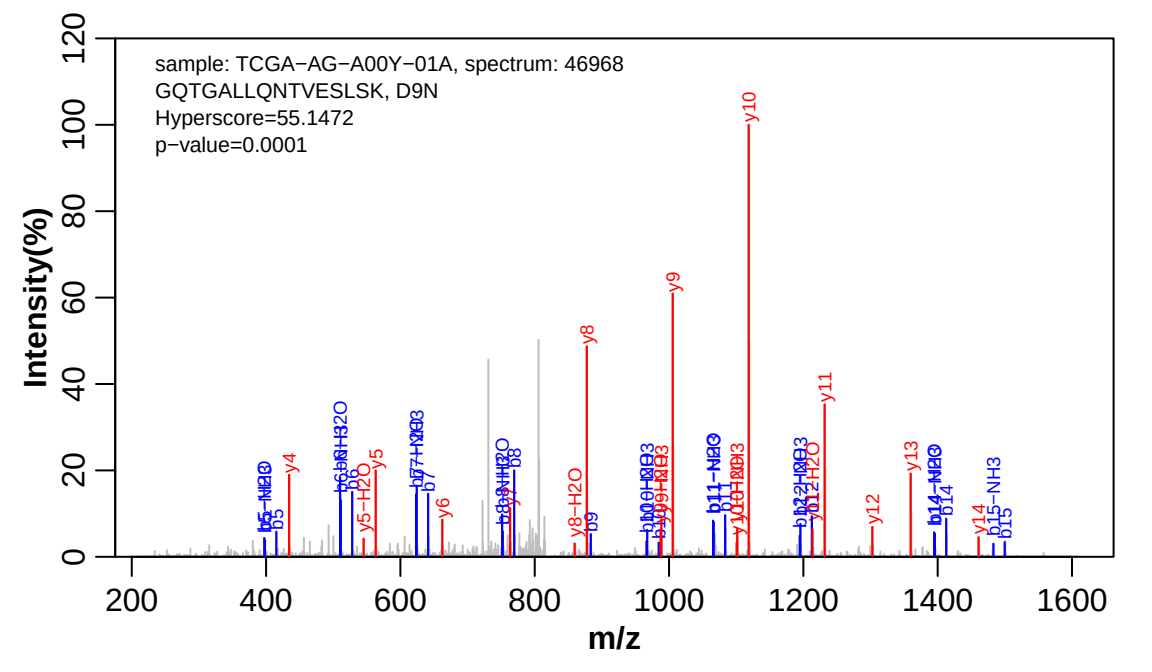

sample: TCGA−AG−A00Y−01A, spectrum: 67358
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=63.0362
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
y5
y6
y14++−H2O
b18++−H2O
b20++−H2O
b24++
b25++
b26++
b27++−NH3
b29++−NH3
y14−H2O
b16−H2O
b17
b18
y18
b20

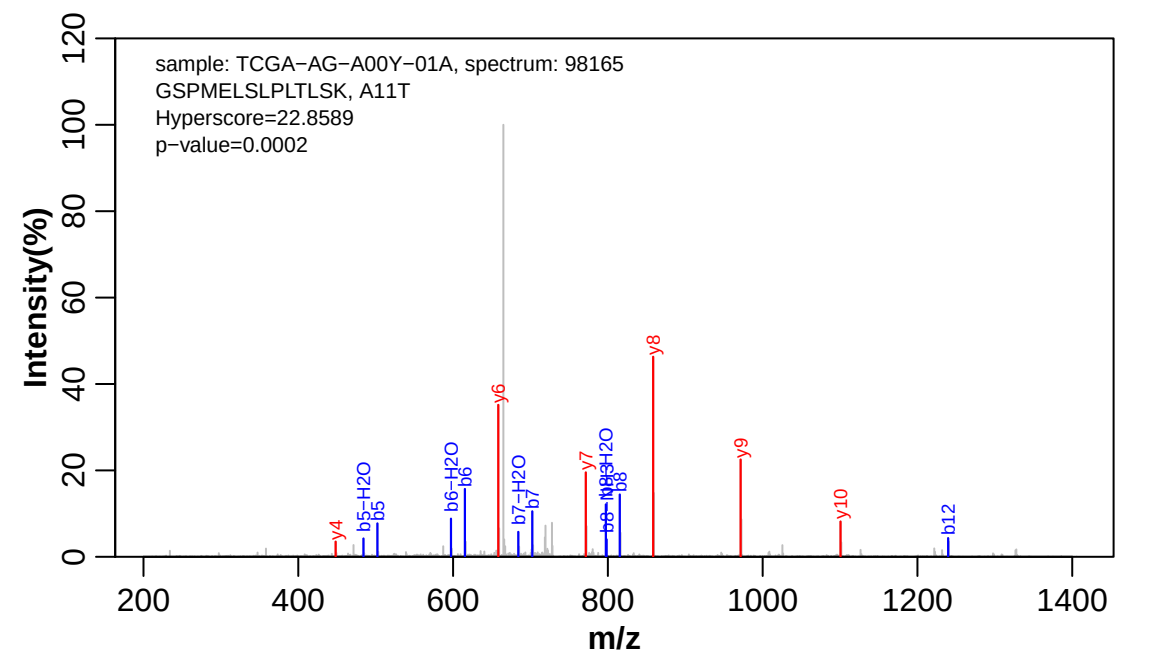

sample: TCGA−AG−A00Y−01A, spectrum: 85369
FYLGGPTSVR, I9V
Hyperscore=18.3248
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8

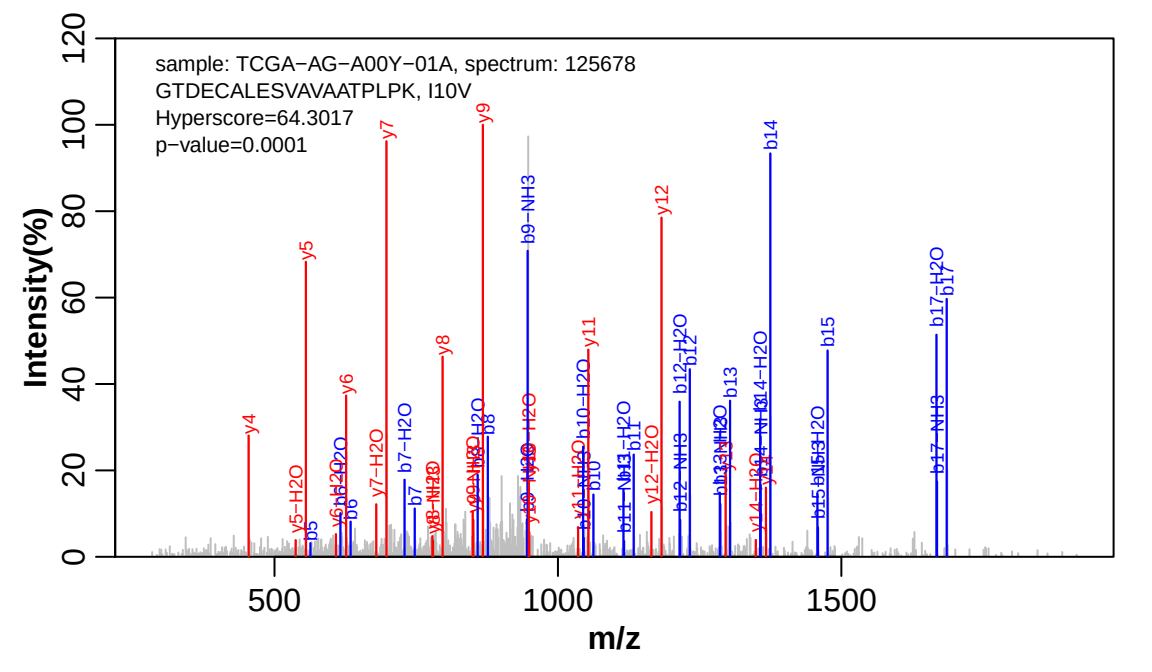

sample: TCGA−AG−A00Y−01A, spectrum: 146607
GGTLSTPQTGSENDALYEYLR, G5S
Hyperscore=56.2199
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b15
y15++
y5
b16++
b20++
y2
y3
b5−H2O
b6−H2O

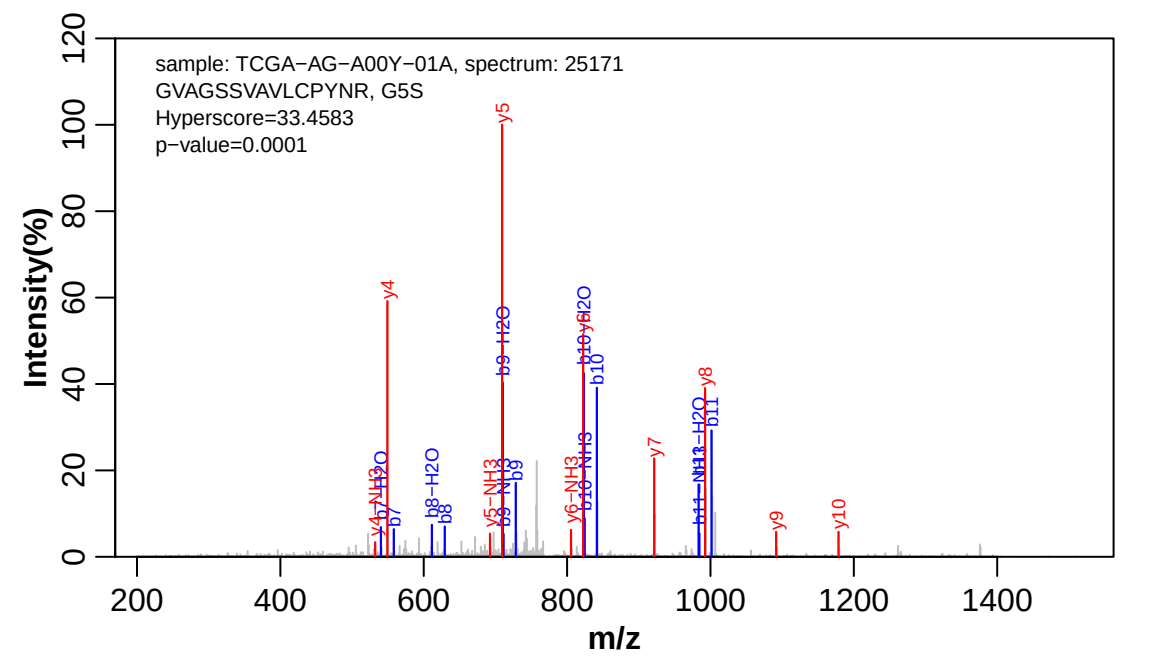

sample: TCGA−AG−A00Y−01A, spectrum: 6750
GLLDLLEER, V3I
Hyperscore=40.8504
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b1
y1
y2
y2−H2O
y2−NH3
b4−NH3
b4
y3−H2O
y3−NH3
y3
b5
b5−NH3
b5−H2O
y4
b6
b6−H2O
y5
y6
b7
y6−H2O
y7
b8

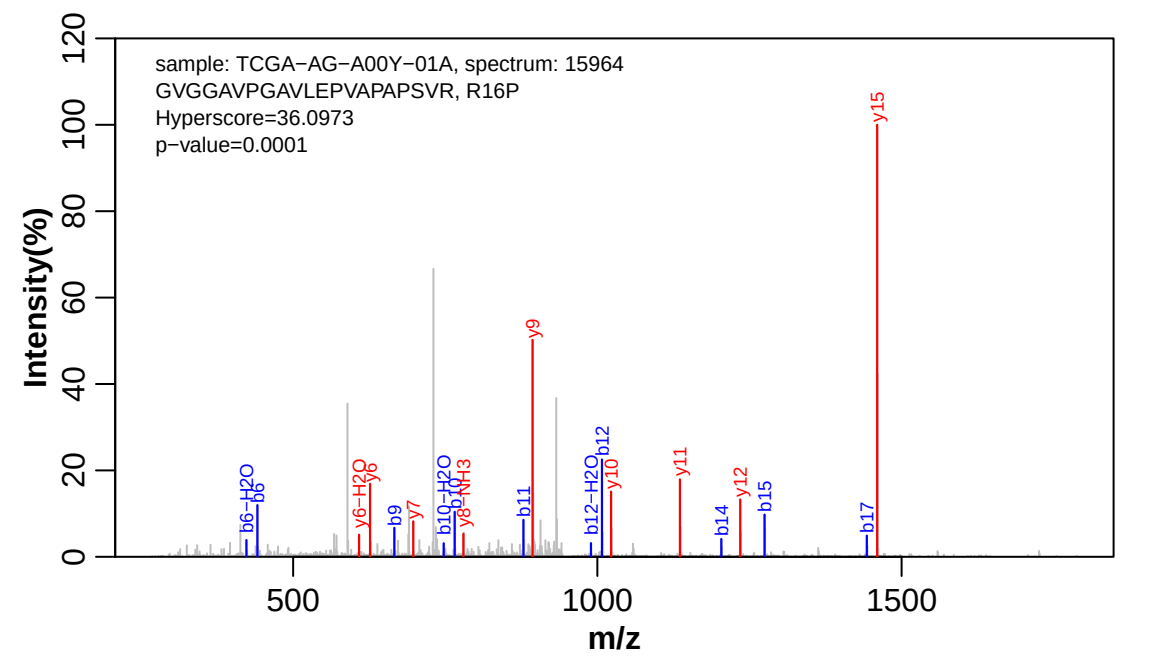

sample: TCGA−AG−A00Y−01A, spectrum: 122019
GLLVDTSR, I4V
Hyperscore=30.0385
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y1
y2−H2O
y2
b3
y3−NH3
y3
b4
y4
b5
y5
b6
b7
y6

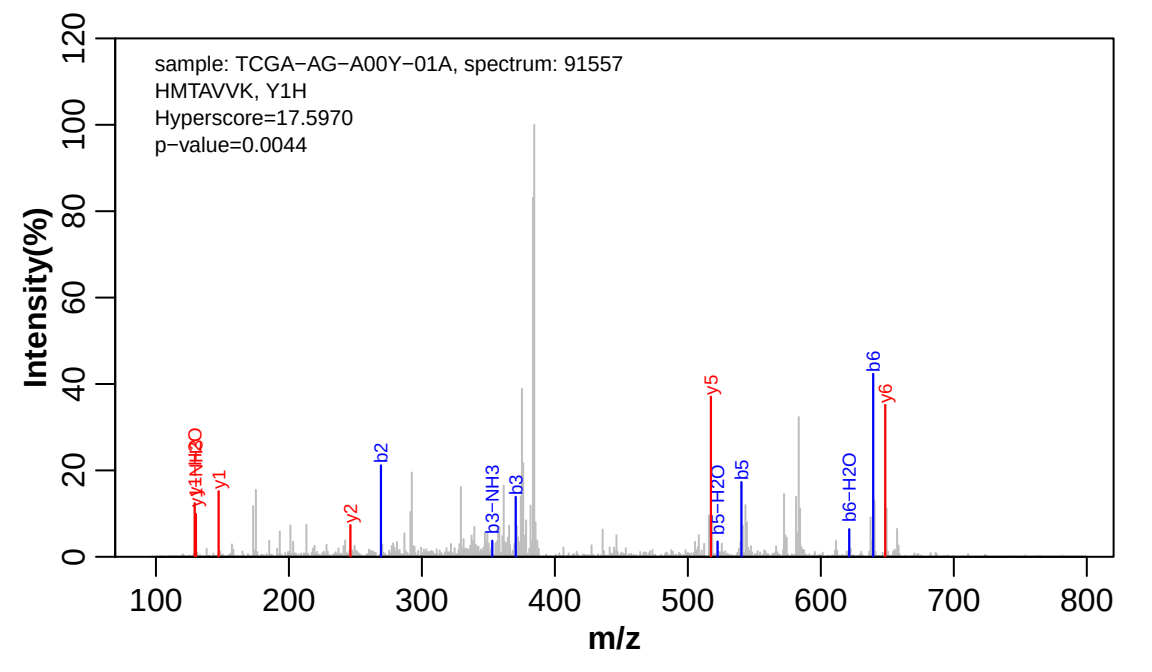

sample: TCGA−AG−A00Y−01A, spectrum: 46968
GQTGALLQNTVESLSK, D9N
Hyperscore=55.1472
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y12
y14
y4
y5
y6
y8−H2O
y5−H2O
y5−NH3
b5−NH3
b6−NH3
b6−H2O
b7−NH3
b7−H2O
b8−NH3
b8−H2O
b9−NH3
b9−H2O
b11−NH3
b11−H2O
b12−NH3
b12−H2O
b14−NH3
b14−H2O
b15−NH3

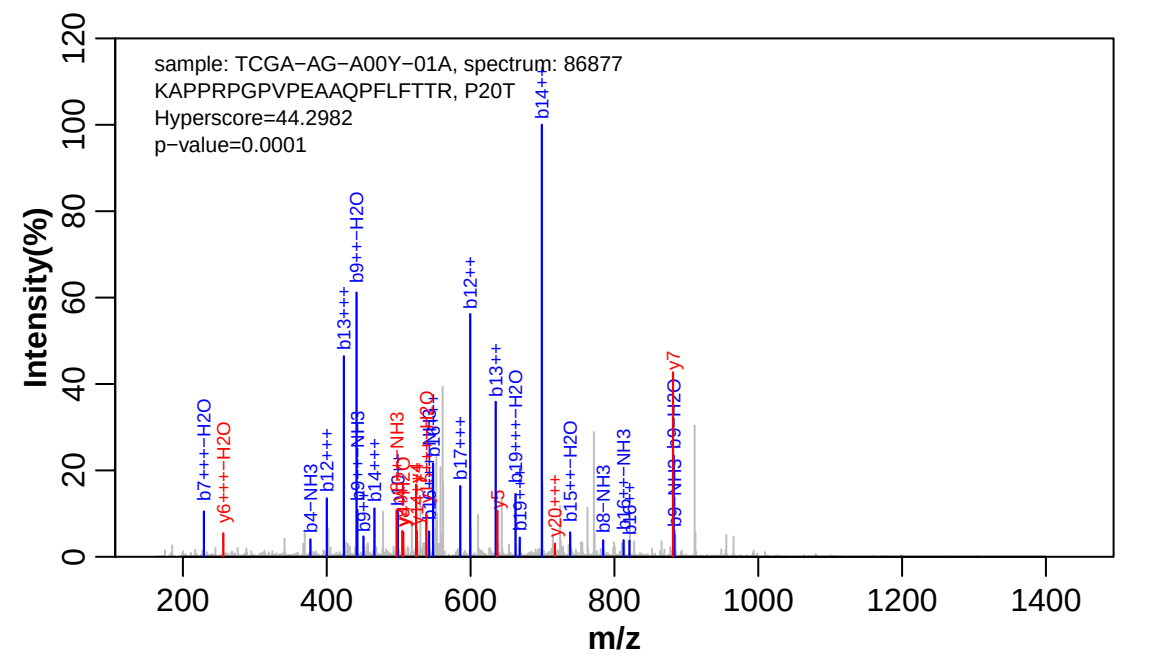

sample: TCGA−AG−A00Y−01A, spectrum: 98165
GSPMELSLPLTLSK, A11T
Hyperscore=22.8589
p−value=0.0002
Intensity(%)
m/z
y4
b5−H2O
b5
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−NH3
b8−H2O
b8
y8
y9
y10
b12

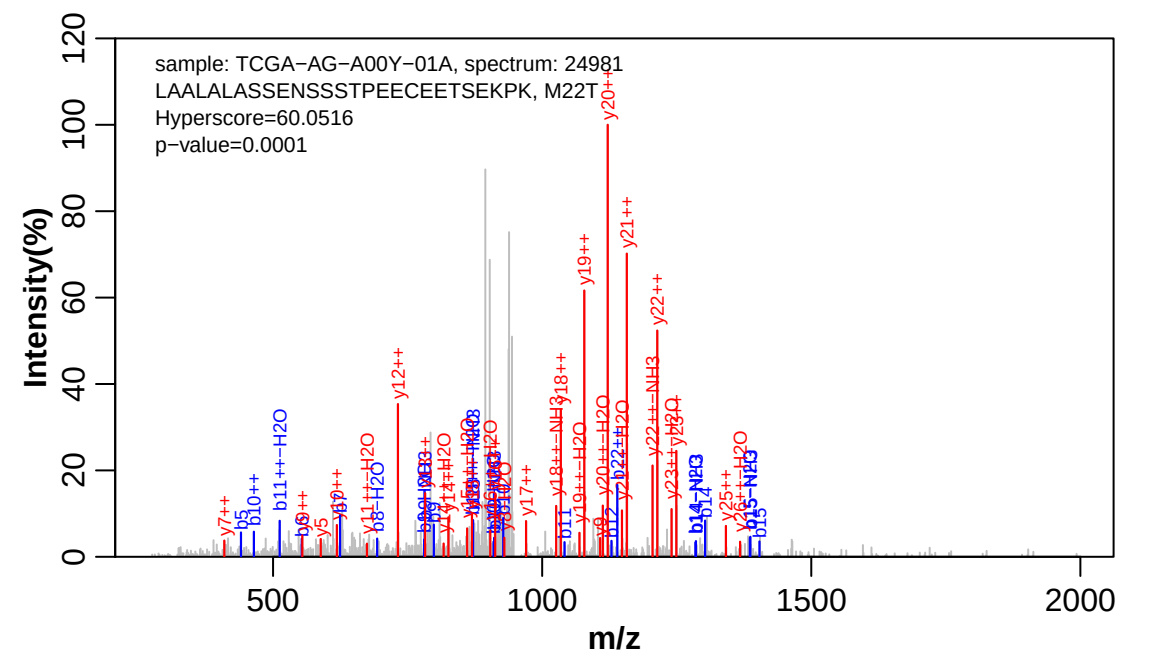

sample: TCGA−AG−A00Y−01A, spectrum: 125678
GTDECALESVAVAATPLPK, I10V
Hyperscore=64.3017
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y5−H2O
b5
y6
y6−H2O
b6
y7
y7−H2O
b7
b7−H2O
y8
b8
b8−H2O
y9
b9−NH3
y10−H2O
y11
b10−H2O
b11
b11−H2O
y12
y12−H2O
b12
b12−NH3
b12−H2O
b13
b13−H2O
b14
b14−H2O
b15
b15−H2O
b17
b17−NH3
b17−H2O

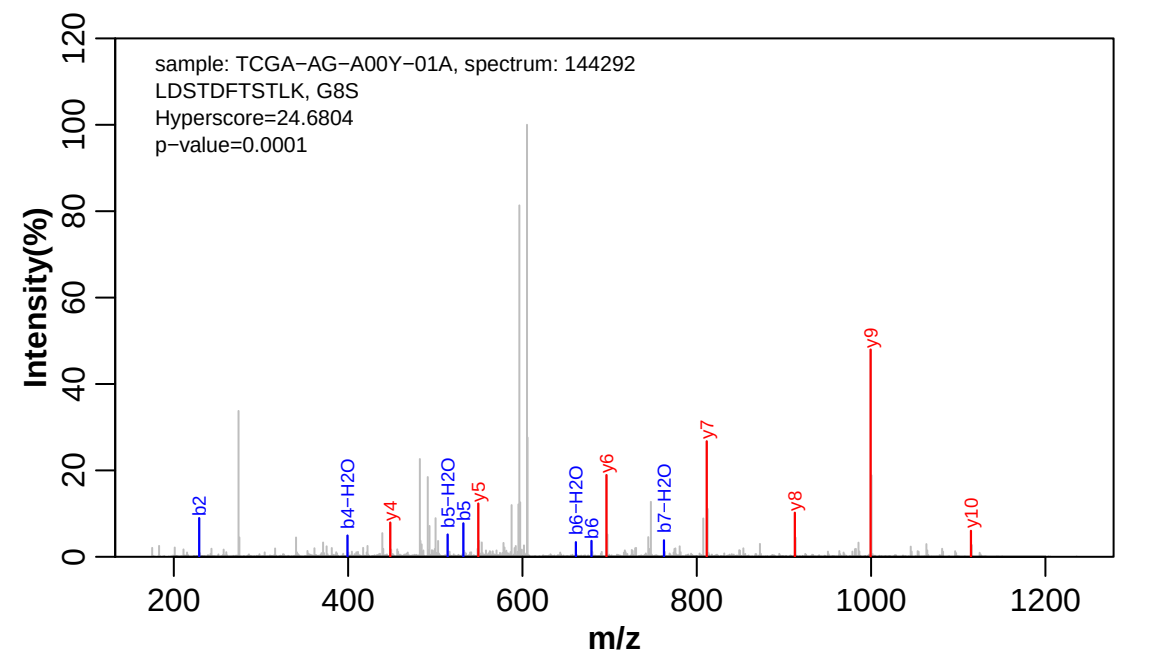

sample: TCGA−AG−A00Y−01A, spectrum: 25171
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.4583
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y4
b9−H2O
b10−H2O
b10
y8
b11
b11−H2O
y7
y6−NH3
b10−NH3
y5−NH3
b9−NH3
b9
b8−H2O
b8
b7
y4−NH3
y4−H2O
y9
y10

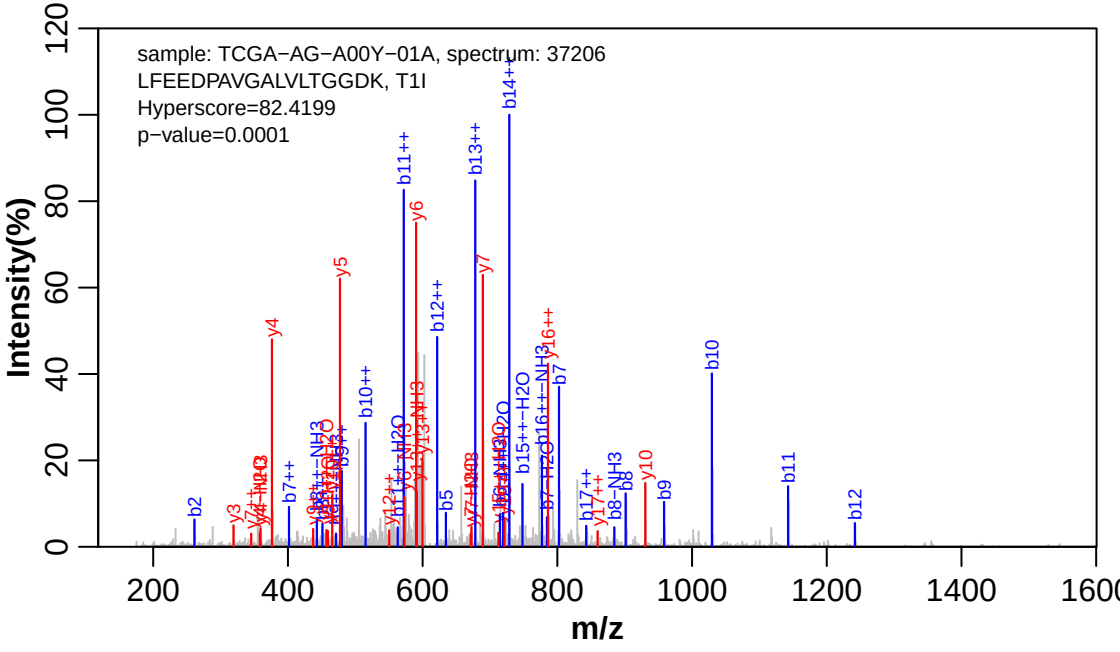

sample: TCGA−AG−A00Y−01A, spectrum: 15964
GVGGAVPGAVLEPVAPAPSVR, R16P
Hyperscore=36.0973
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b6−H2O
b6
y6−H2O
y6
b9
y7
b10−H2O
b10
y8−NH3
b11
y9
b12−H2O
b12
y10
y11
b14
y12
b15
b17
y15

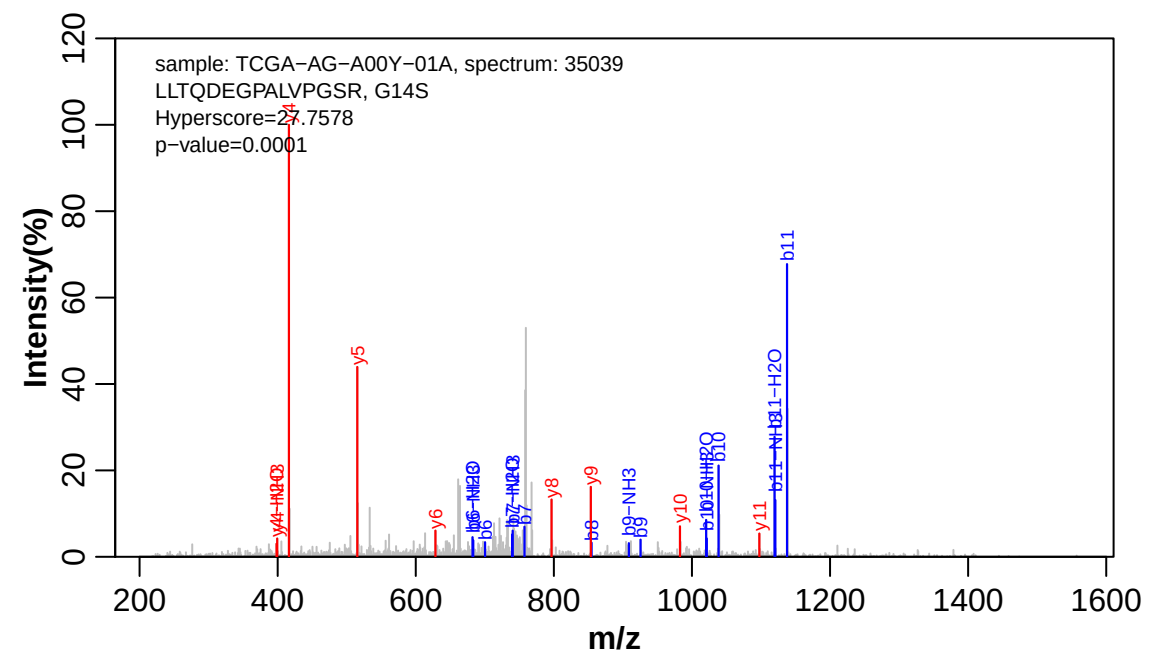

sample: TCGA−AG−A00Y−01A, spectrum: 91557
HMTAVVK, Y1H
Hyperscore=17.5970
p−value=0.0044
Intensity(%)
m/z
y1+NH2
y1−NH3−H2O
y1
y2
b2
b3−NH3
b3
y5
b5−H2O
b5
b6−H2O
b6
y6

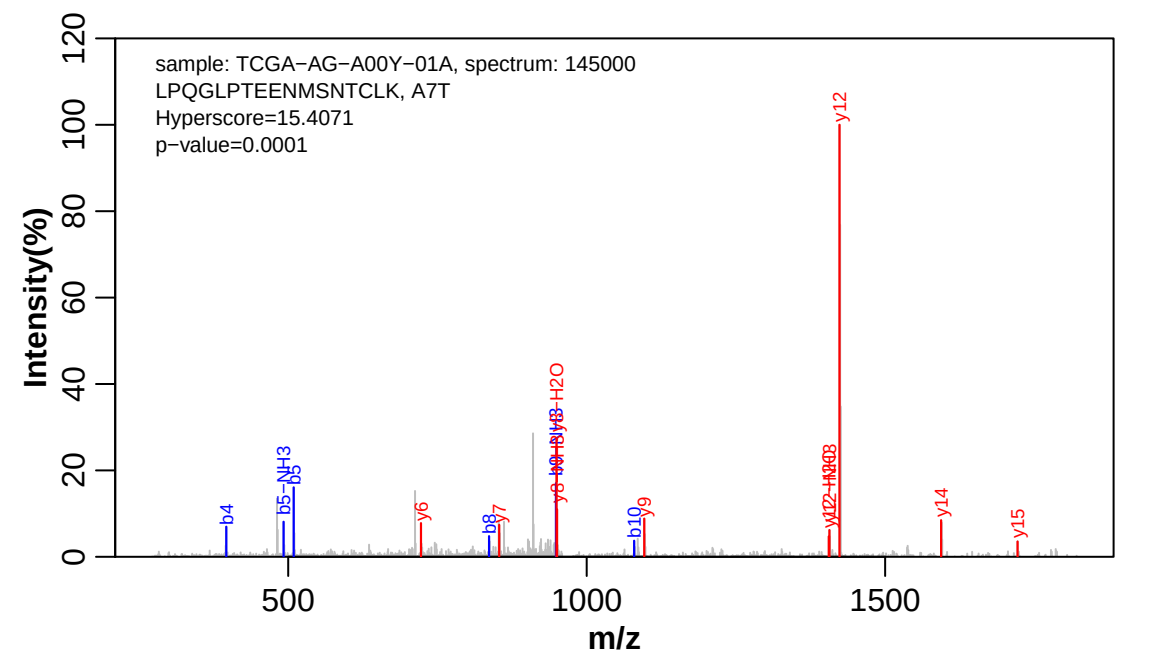

sample: TCGA−AG−A00Y−01A, spectrum: 86877
KAPPRPGPVPEAAQPFLFTTR, P20T
Hyperscore=44.2982
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b14++
b9++−H2O
b13+++
b12++
b7+++−H2O
y6+++−H2O
b4−NH3
b12+++
b9+−NH3
b14+++
b17+++
b13++
y5
b19+−H2O
b19+++−H2O
y20+++
b15++−H2O
b8−NH3
b16++−NH3
b9−NH3
b9+−H2O
y7

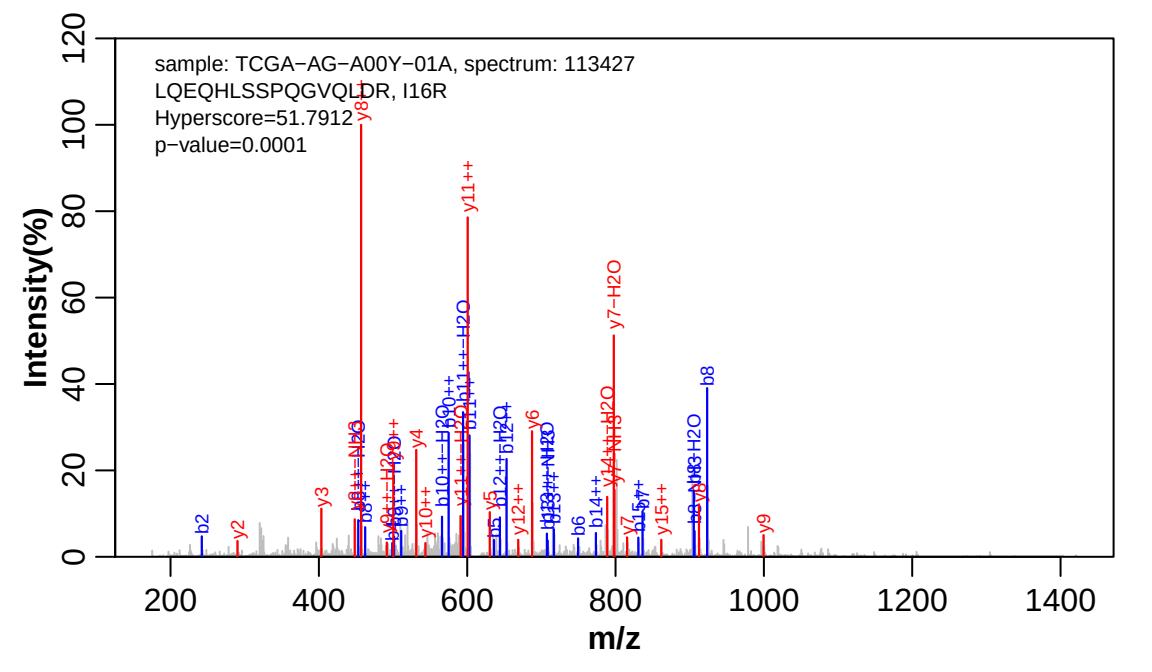

sample: TCGA−AG−A00Y−01A, spectrum: 24981
LAALALASSENSSSTPEECEETSEKPK, M22T
Hyperscore=60.0516
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y20++
y21++
y22++
y12++
y18++
y19++
b11++−H2O
y22++−NH3
y23++−H2O
y25++
b15−NH3
y7++
b5
b10++
b6++
y5
y17++
b8−H2O
y11++−H2O
b14−NH3

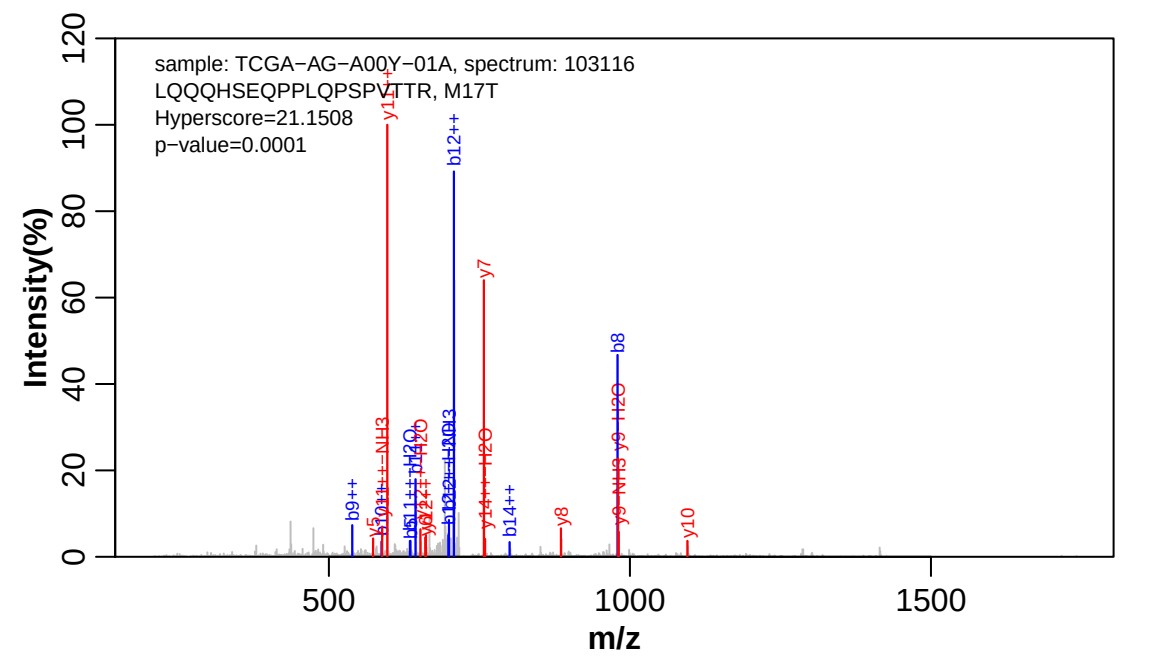

sample: TCGA−AG−A00Y−01A, spectrum: 144292
LDSTDFTSTLK, G8S
Hyperscore=24.6804
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
y7
y8
y9
y10

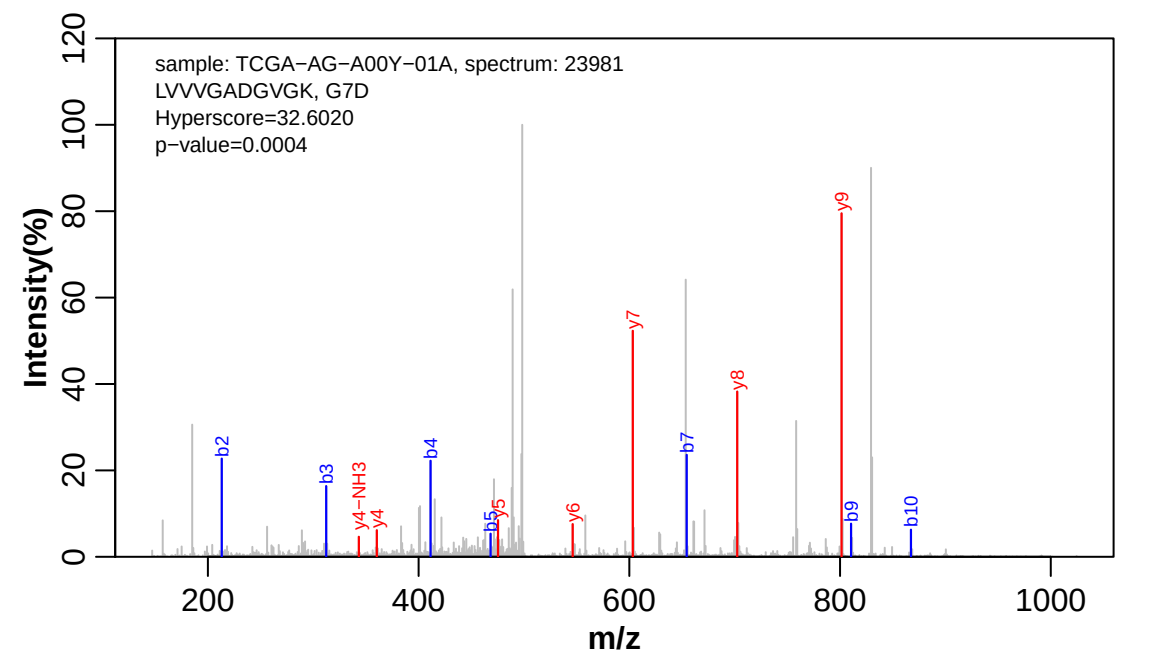

sample: TCGA−AG−A00Y−01A, spectrum: 37206
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=82.4199
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y4
b7++
y5
b10++
b11++
y6
b12++
b5
b13++
y7
b14++
b15++−H2O
b16++−NH3
y16++
b7
b10
b17++
y11++
b8−NH3
y10
b9
b11
b12

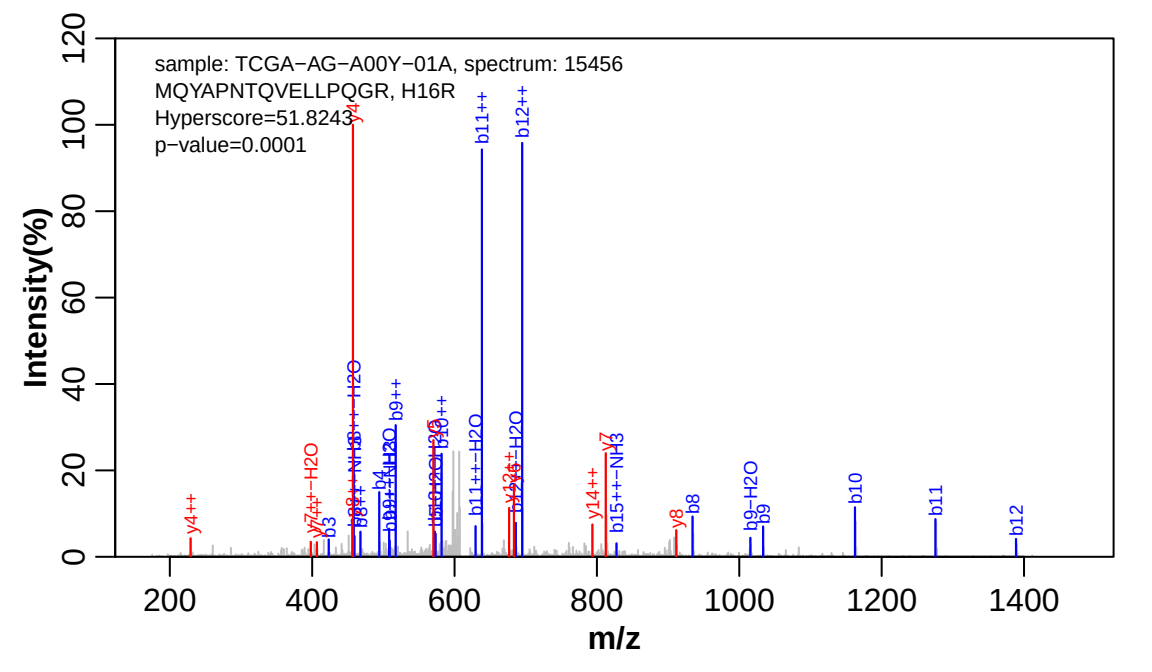

sample: TCGA−AG−A00Y−01A, spectrum: 35039
LLTQDEGPALVPGSR, G14S
Hyperscore=27.7578
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4
y5
y6
y8
y9
b8
b8−NH3
b9
b9−NH3
y10
b10
y11
b11
b11−H2O

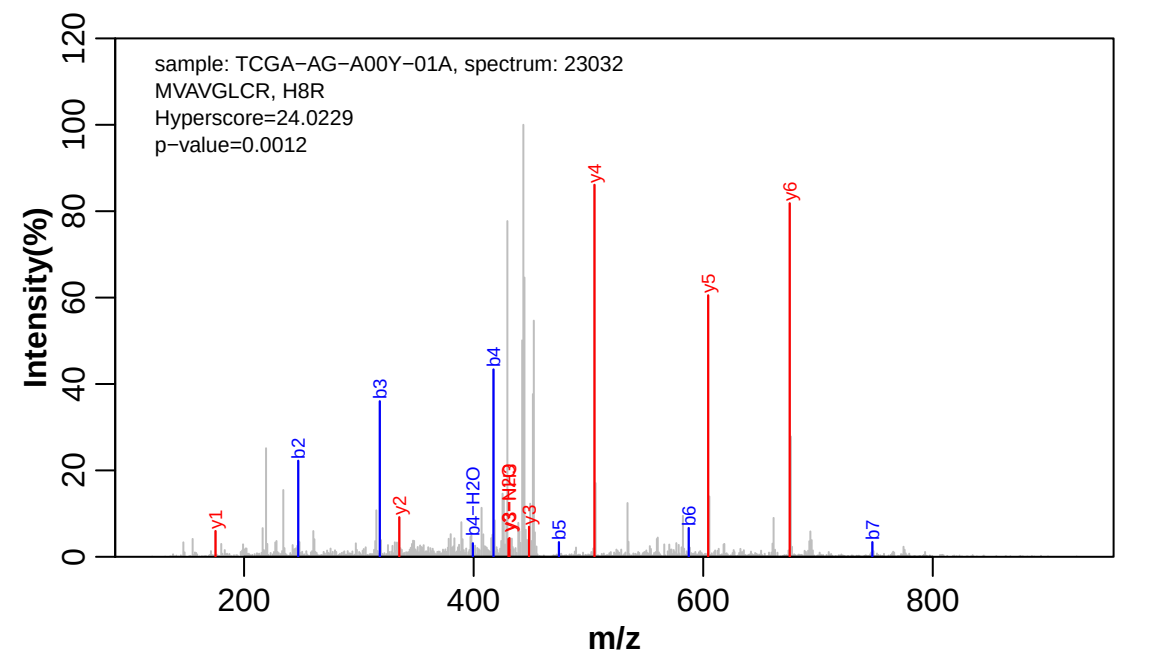

sample: TCGA−AG−A00Y−01A, spectrum: 145000
LPQGLPTEENMSNTCLK, A7T
Hyperscore=15.4071
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4
b5−NH3
b5
y6
b8
y7
y8−NH3
y8−H2O
b10
y9
y12−H2O
y12−NH3
y12
y14
y15

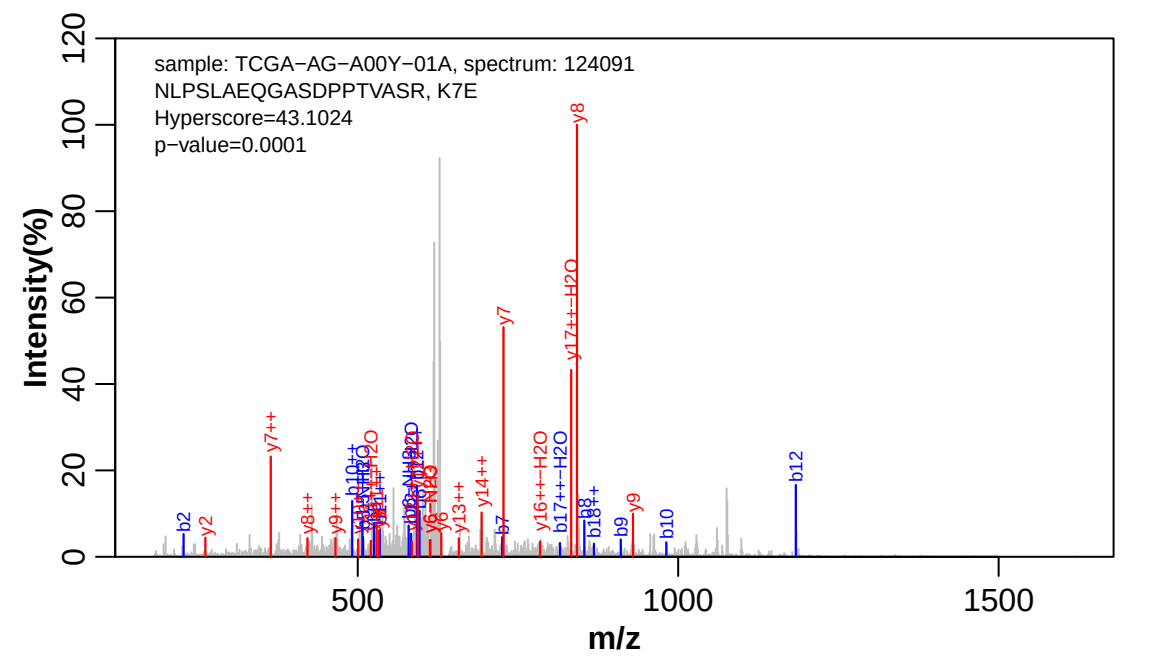

sample: TCGA−AG−A00Y−01A, spectrum: 113427
LQEQHLSSPQGVQLDR, I16R
Hyperscore=51.7912
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y8++
y11++
y7−H2O
b8
y3
y6
y9
b2
y2
y4
y10++
y12++
b6
y15++

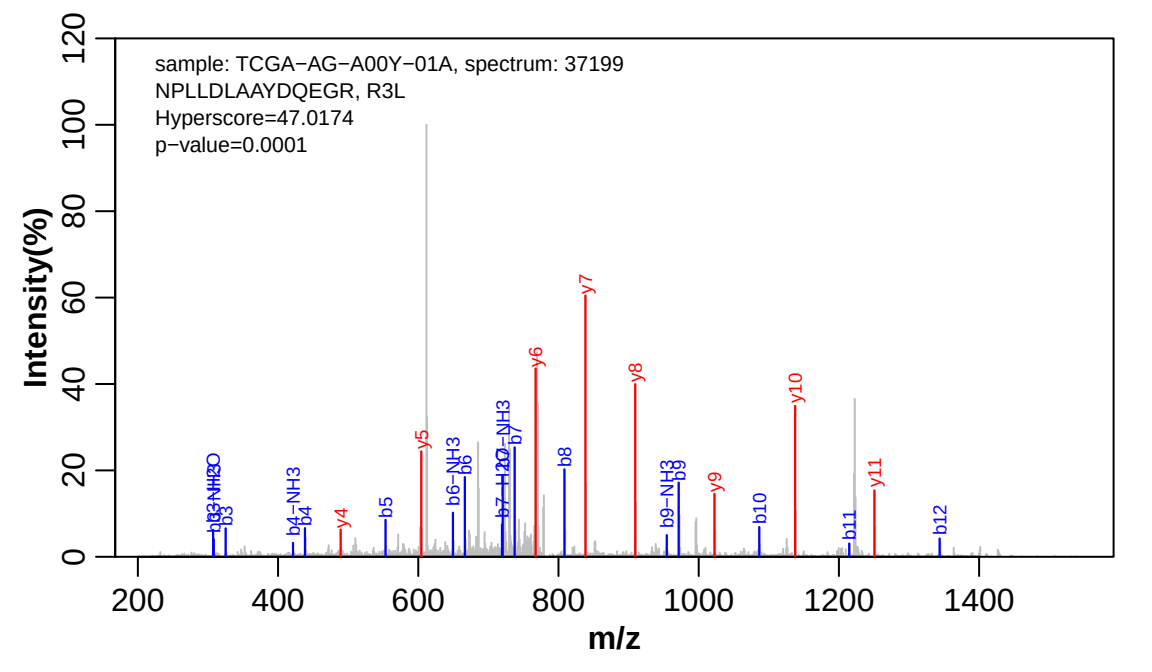

sample: TCGA−AG−A00Y−01A, spectrum: 103116
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=21.1508
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
b12++
y7
b8
y9−NH3 y9−H2O
y14++−H2O
y14++−NH3
b9++
y5
b14++
y8
y10

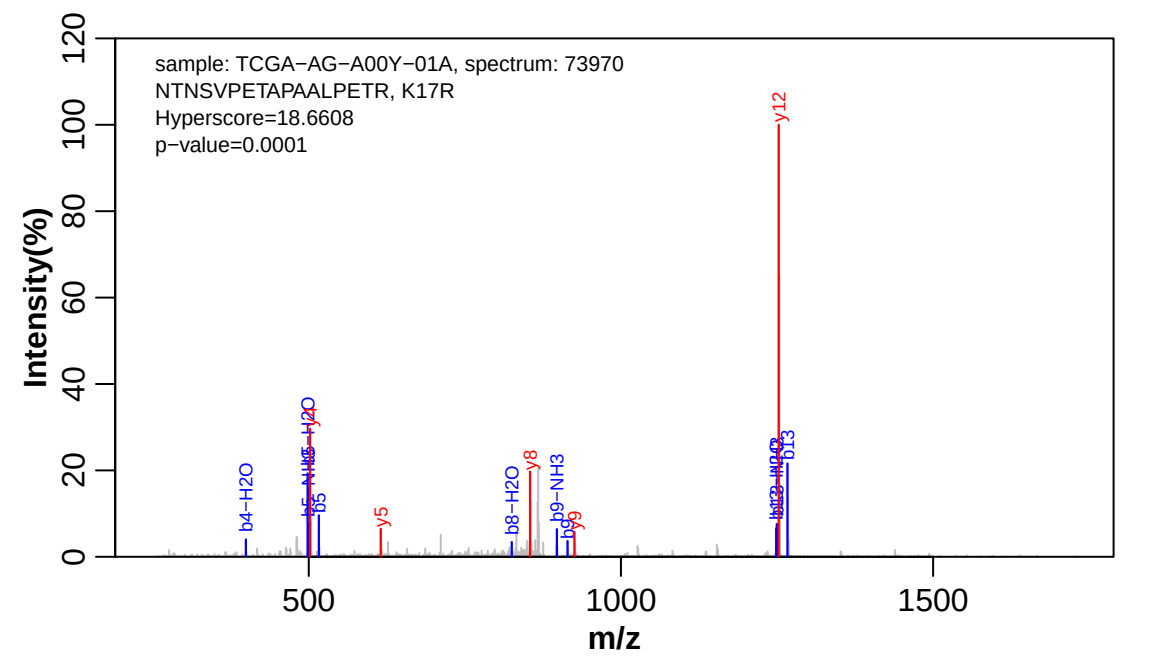

sample: TCGA−AG−A00Y−01A, spectrum: 23981
LVVVGADGVGK, G7D
Hyperscore=32.6020
p−value=0.0004
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
y4−NH3
y4
b4
b5
y5
y6
y7
b7
y8
y9
b9
b10

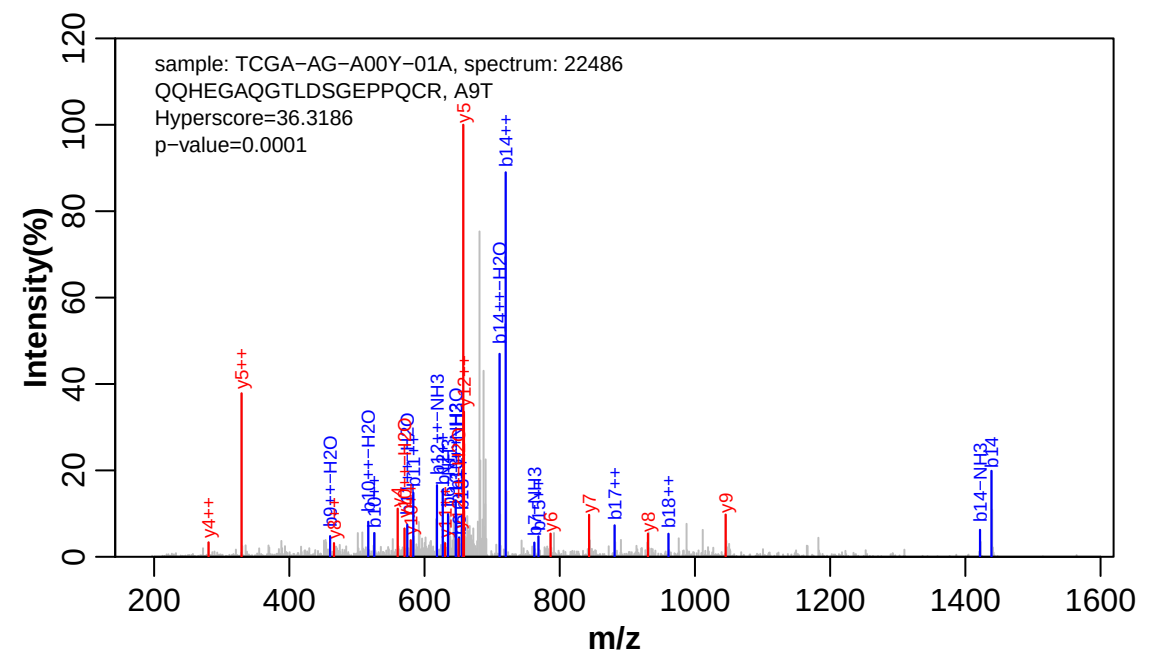

sample: TCGA−AG−A00Y−01A, spectrum: 15456
MQYAPNTQVELLPQGR, H16R
Hyperscore=51.8243
p−value=0.0001
Intensity(%)
m/z
y4++
y4
b11++
b12++
y7++−H2O
b3
b9++
b11++−H2O
b12++−H2O
y14++
y7
b15++−NH3
y8
b8
b9−H2O
b9
b10
b11
b12

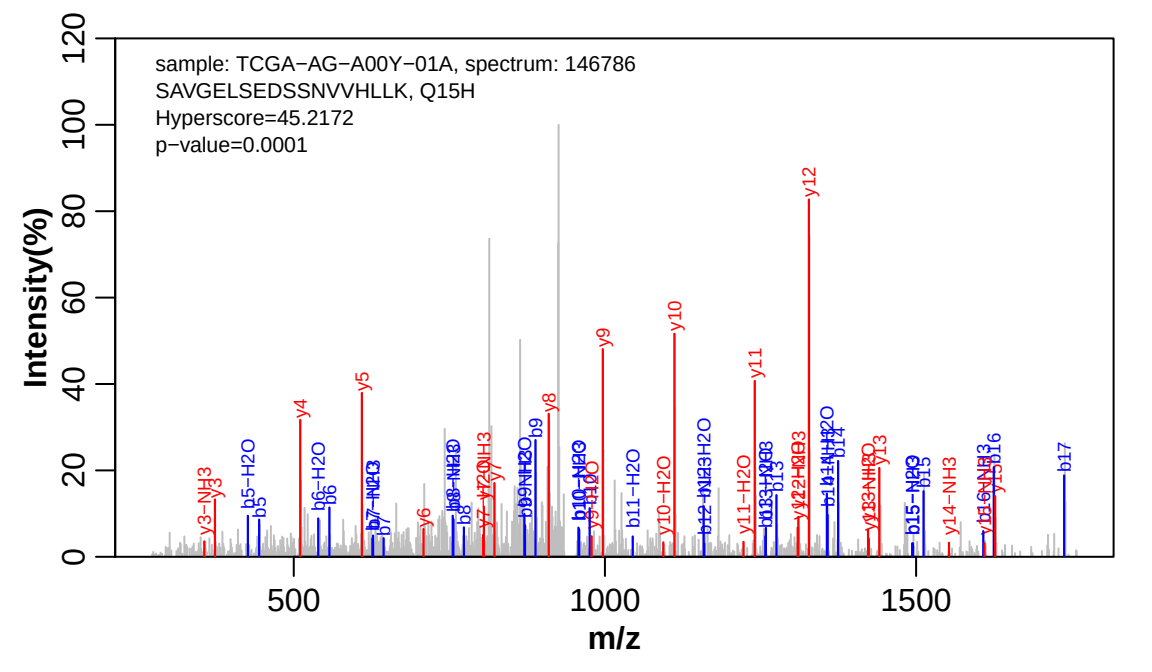

sample: TCGA−AG−A00Y−01A, spectrum: 23032
MVAVGLCR, H8R
Hyperscore=24.0229
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y2
b4−H2O
b4
y3−NH3
y3
b5
y4
b6
y5
y6
b7

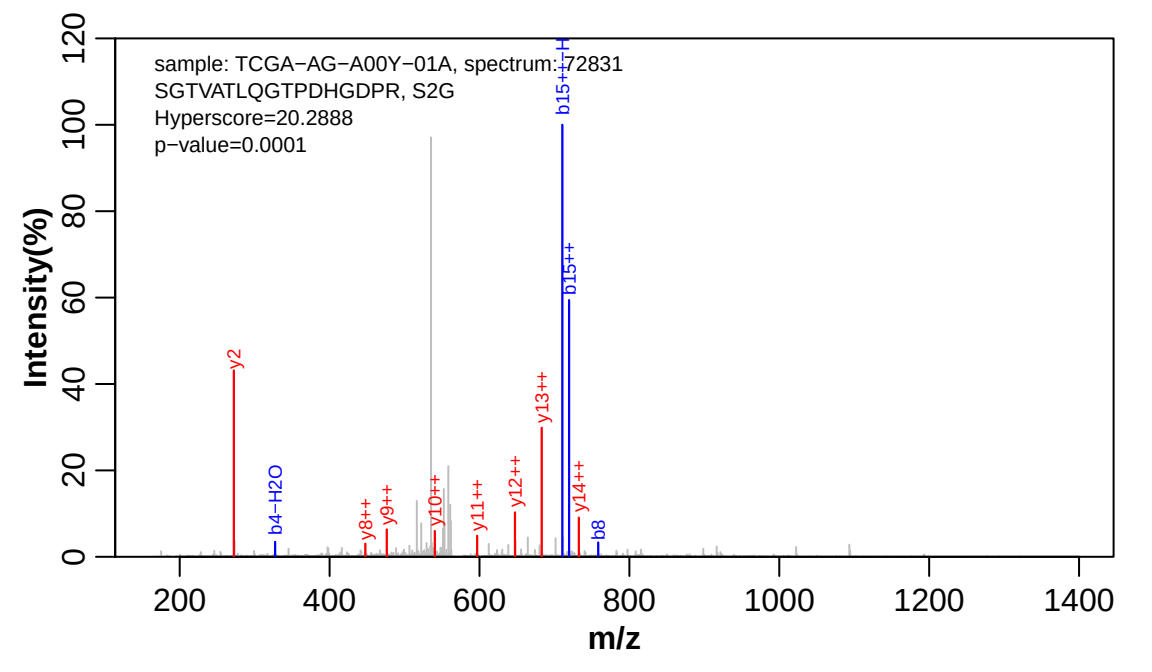

sample: TCGA−AG−A00Y−01A, spectrum: 124091
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=43.1024
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y7
y17++−H2O
y7++
y16++−H2O
y17++−H2O
y14++
y13++
y8++
y9++
b12
b2
y2
b7
b9
b10
y9

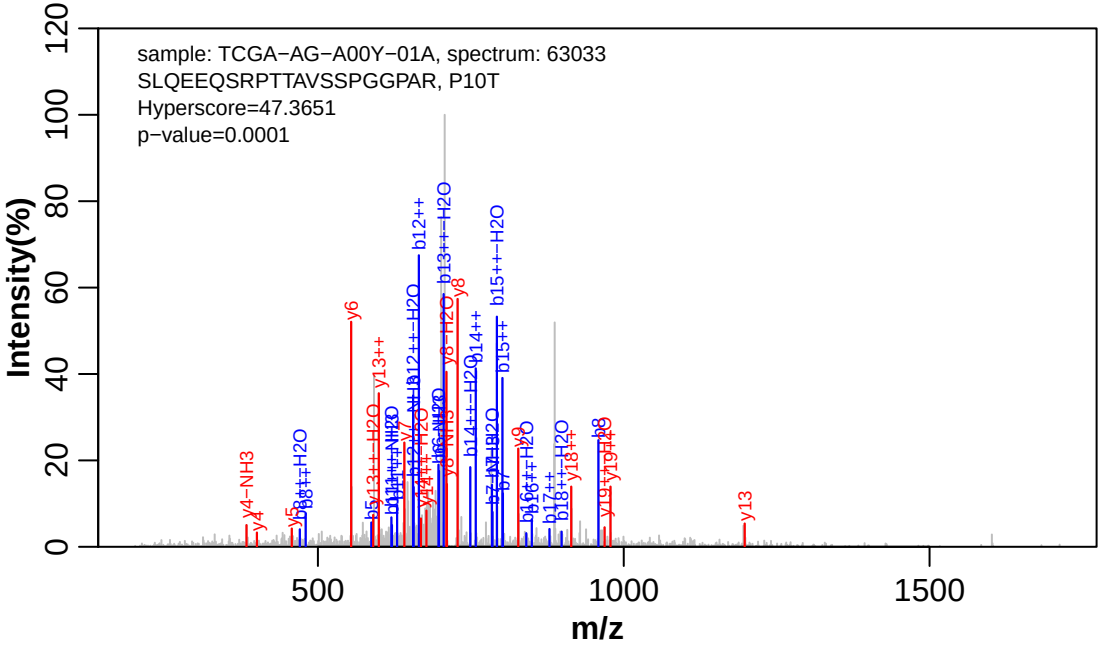

sample: TCGA−AG−A00Y−01A, spectrum: 37199
NPLLDLAAYDQEGR, R3L
Hyperscore=47.0174
p−value=0.0001
Intensity(%)
m/z
b3
b4−NH3
b4
y4
b5
y5
b6−NH3
b6
b7
b8
y6
y7
y8
b9−NH3
b9
y9
b10
y10
b11
y11
b12

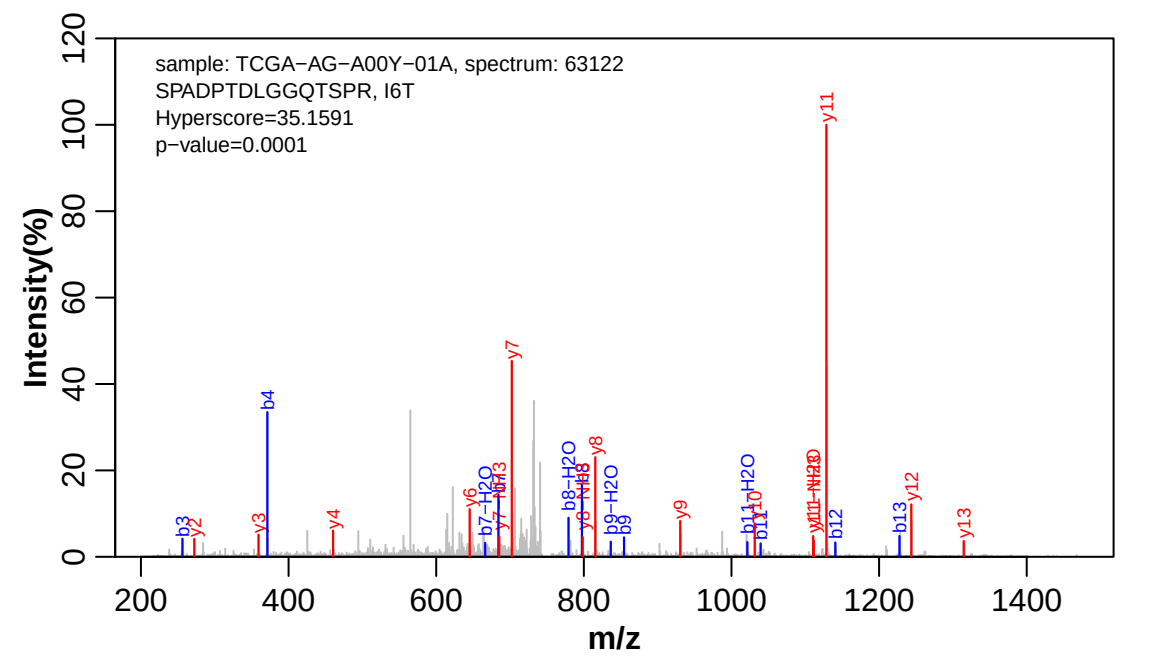

sample: TCGA−AG−A00Y−01A, spectrum: 73970
NTNSVPETAPAALPETR, K17R
Hyperscore=18.6608
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
b4−H2O
y5
b8−H2O
y8
b9−NH3
y9
b13

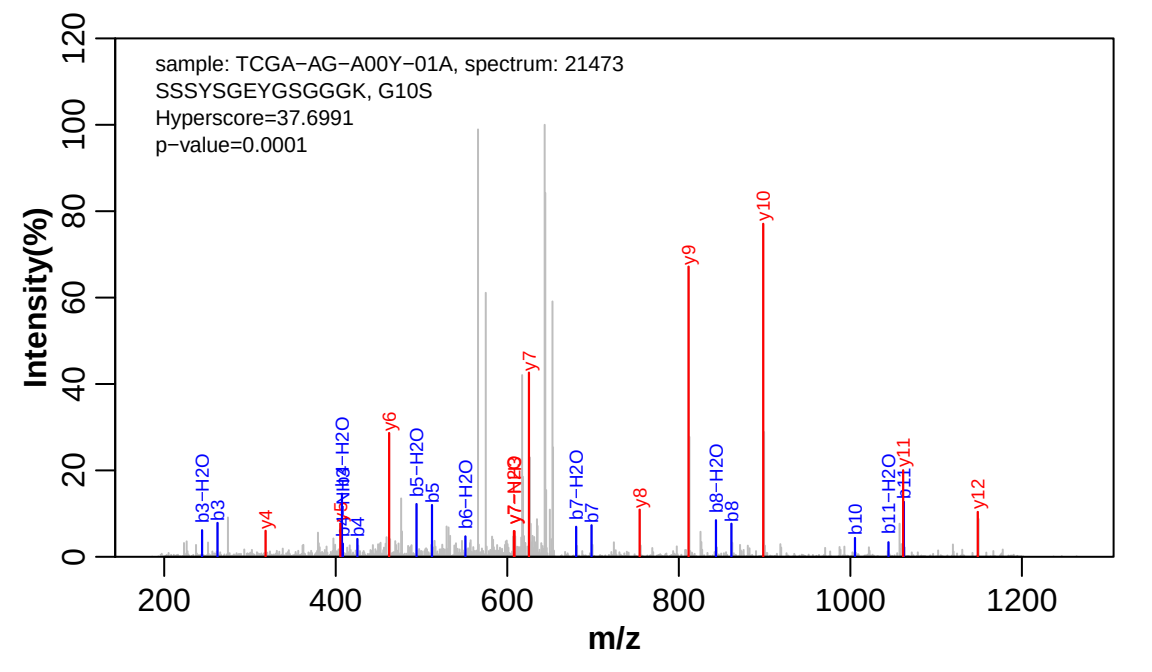

sample: TCGA−AG−A00Y−01A, spectrum: 22486
QQHEGAQGTLDSGEPPQCR, A9T
Hyperscore=36.3186
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
b14++
y5++
b14++−H2O
y12++
y4++
y7
b17++
y8
b18++
y9
y6
b14−NH3
b14

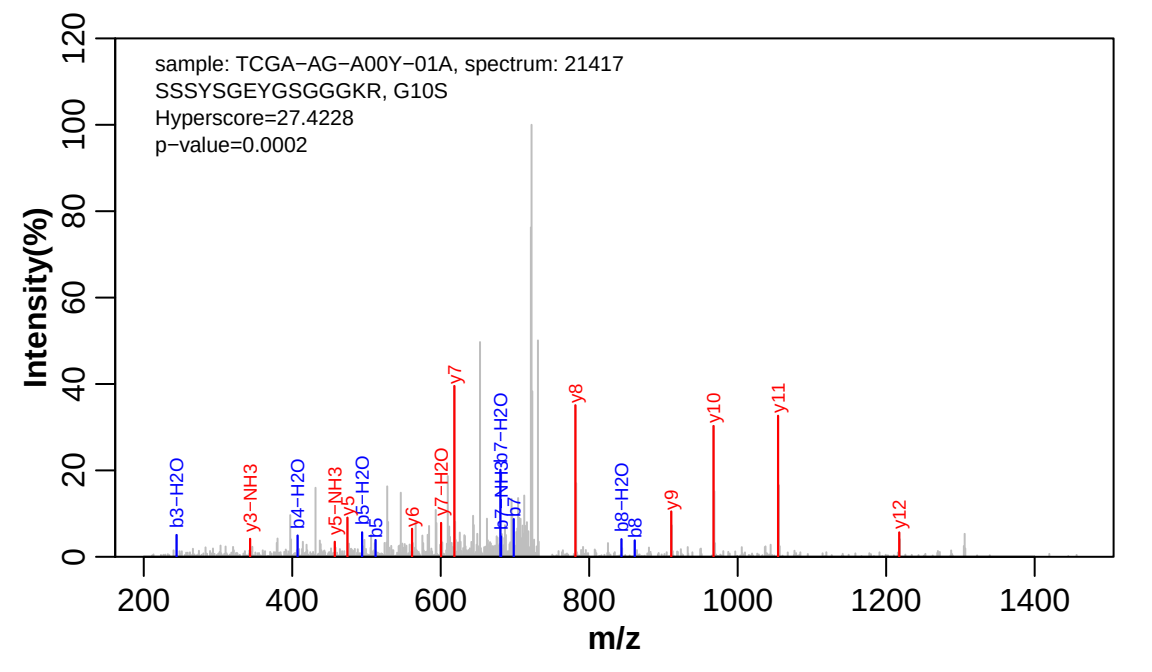

sample: TCGA−AG−A00Y−01A, spectrum: 146786
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=45.2172
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y9
y10
y5
y4
y11
y8
b17
y14−NH3
b11−H2O
y10−H2O
y11−H2O
b6−H2O
b5−H2O
y3−NH3
y6
b9
y7
b8
b15
b14
y13
b10
b7

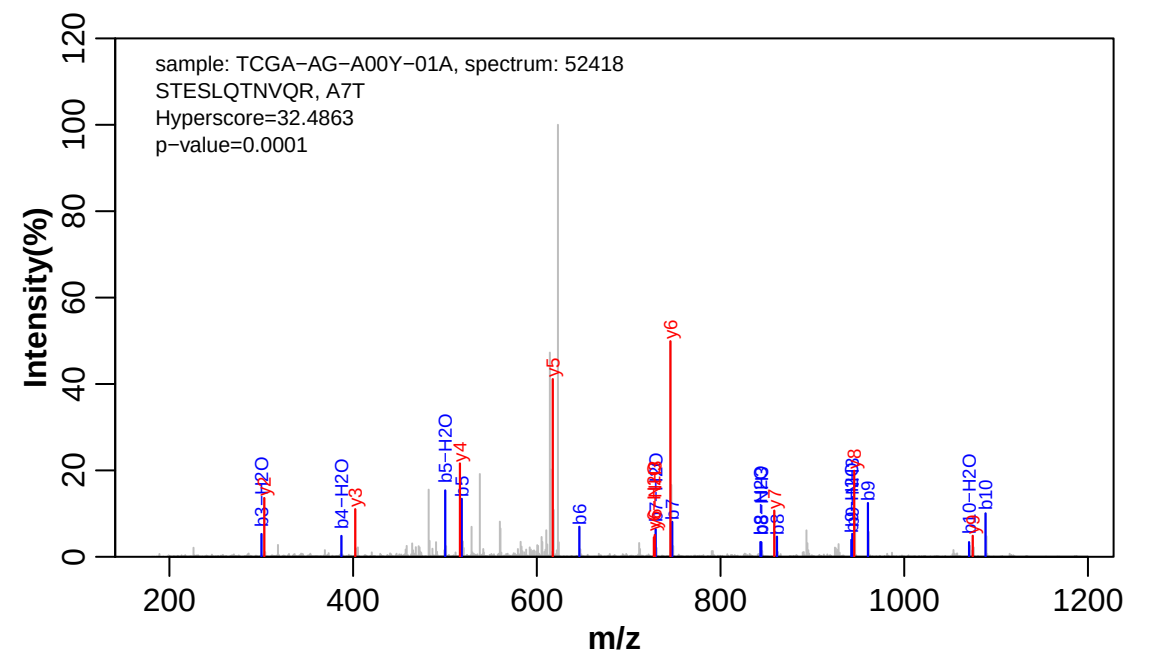

sample: TCGA−AG−A00Y−01A, spectrum: 72831
SGTVATLQGTPDHGDPR, S2G
Hyperscore=20.2888
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−H2O
y8++
y9++
y10++
y11++
y12++
y13++
y14++
b8
b15++
b15++

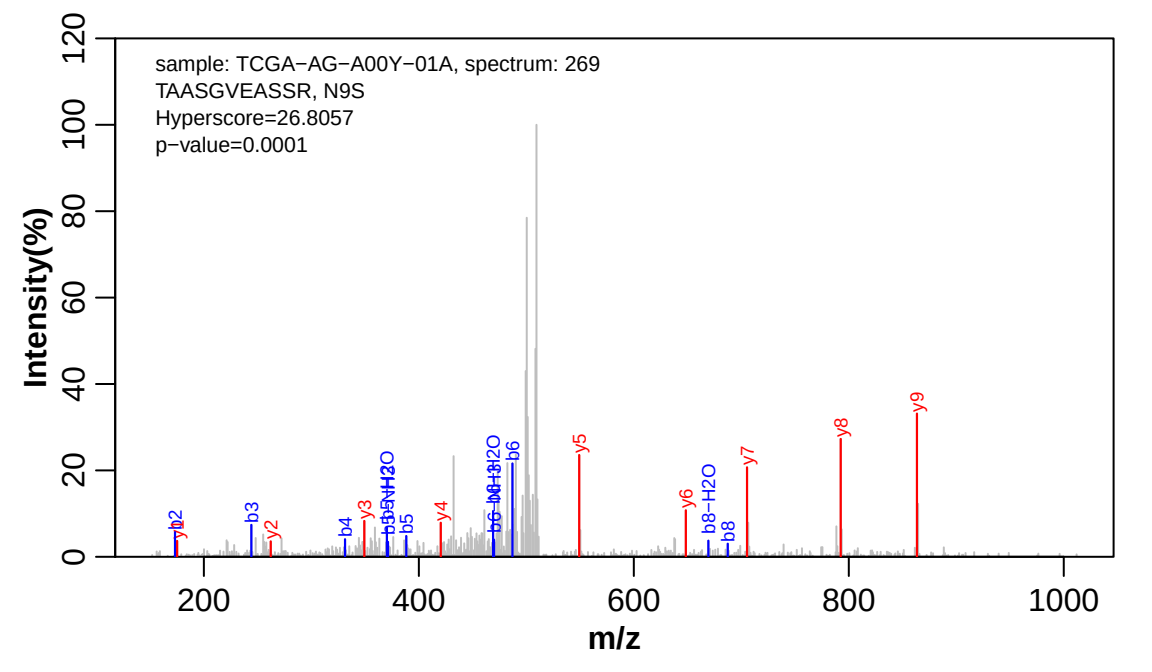

sample: TCGA−AG−A00Y−01A, spectrum: 63033
SLQEEQSRPTTAVSSPGGPAR, P10T
Hyperscore=47.3651
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4−NH3
y4
y5
b8++−H2O
y6
y13++
b5
b12++−H2O
b12++
b13++−H2O
y8
y8−H2O
b14++
b14++−H2O
b15++−H2O
b15++
b16++−H2O
b17++
y18++
y18++−H2O
y19++
b8
y13

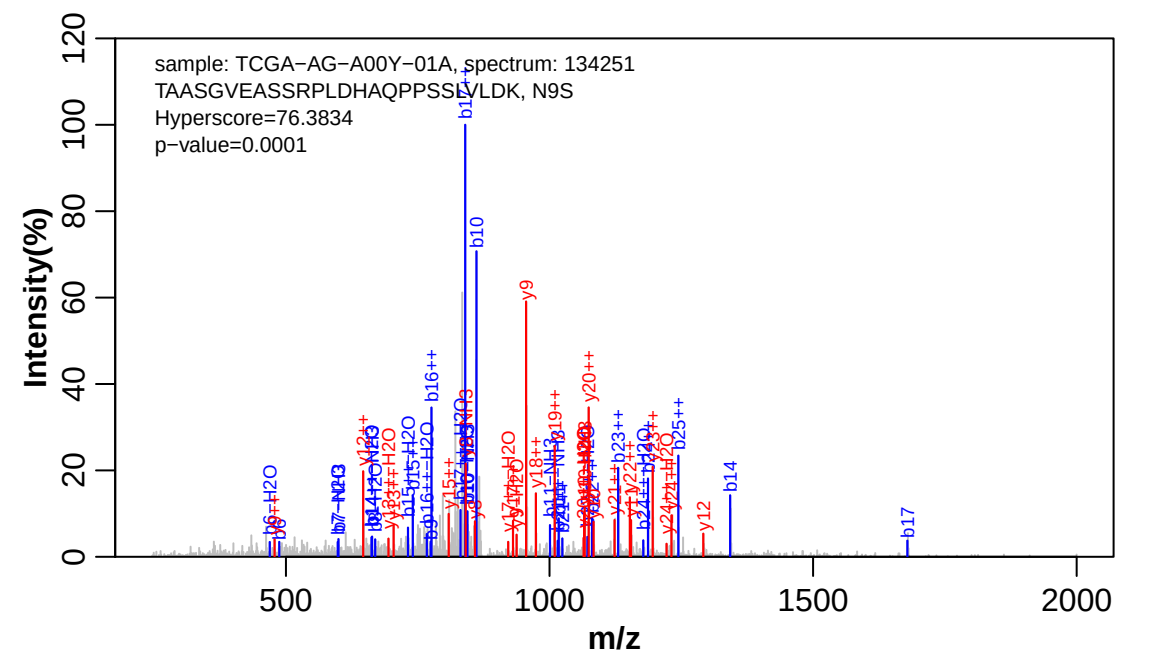

sample: TCGA−AG−A00Y−01A, spectrum: 63122
SPADPTDLGGQTSPR, I6T
Hyperscore=35.1591
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
y6
b7−H2O
y7
b7
y7−NH3
y7
b8−H2O
y8−NH3
y8
b9−H2O
b9
y9
b11−H2O
b11
b10
y11−NH3
y11
b12
b13
y12
y13

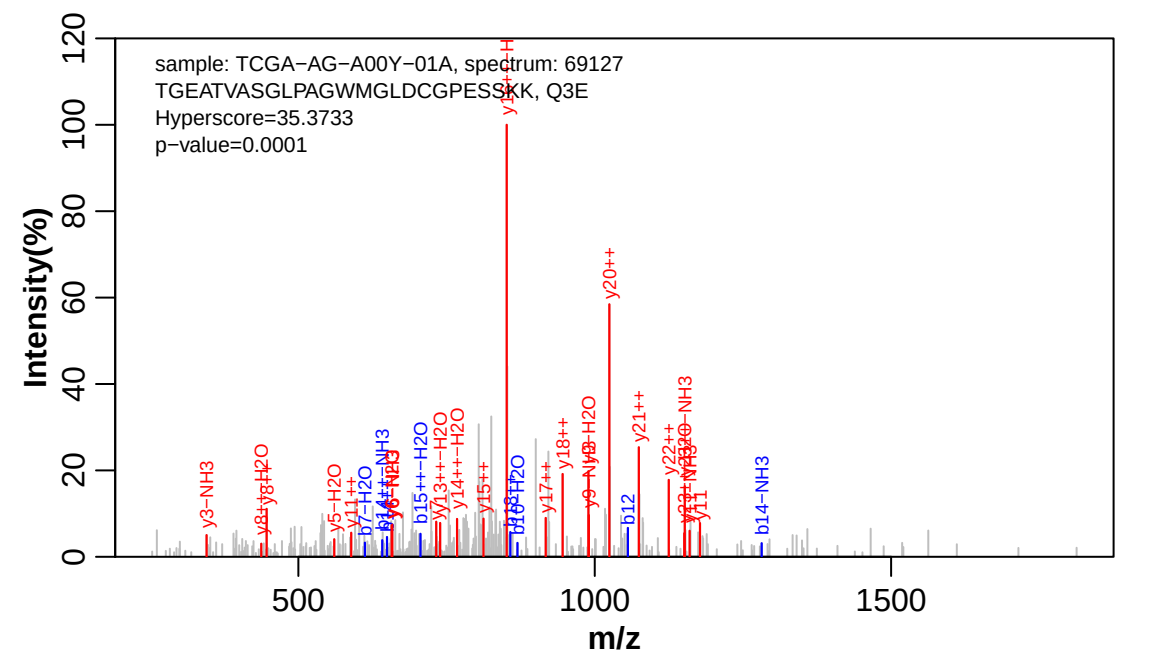

sample: TCGA−AG−A00Y−01A, spectrum: 21473
SSSYSGEYGSGGGK, G10S
Hyperscore=37.6991
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
y4
b4
y6
b5−H2O
b5
b6−H2O
y7
b7−H2O
b7
y8
y9
b8−H2O
b8
y10
b10
b11−H2O
y11
b11
y12

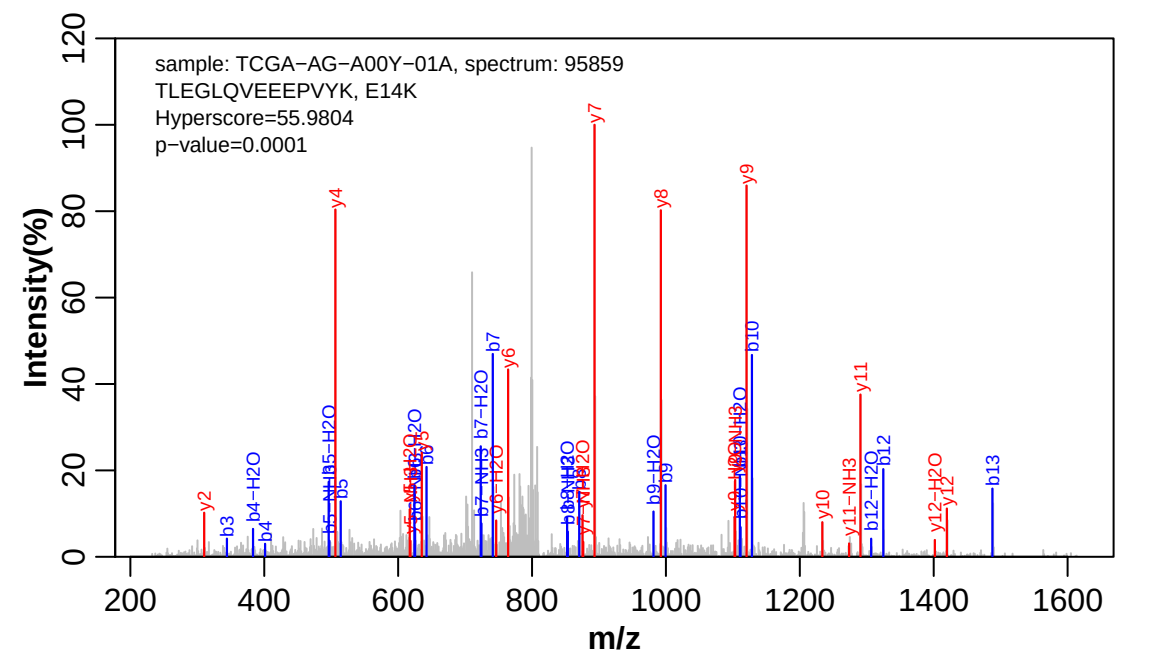

sample: TCGA−AG−A00Y−01A, spectrum: 21417
SSSYSGEYGSGGGKR, G10S
Hyperscore=27.4228
p−value=0.0002
Intensity(%)
m/z
b3−H2O
y3−NH3
b4−H2O
y5−NH3
y5
b5−H2O
b5
y6
y7−H2O
y7
b7−NH3
b7−H2O
b7
y8
b8−H2O
b8
y9
y10
y11
y12

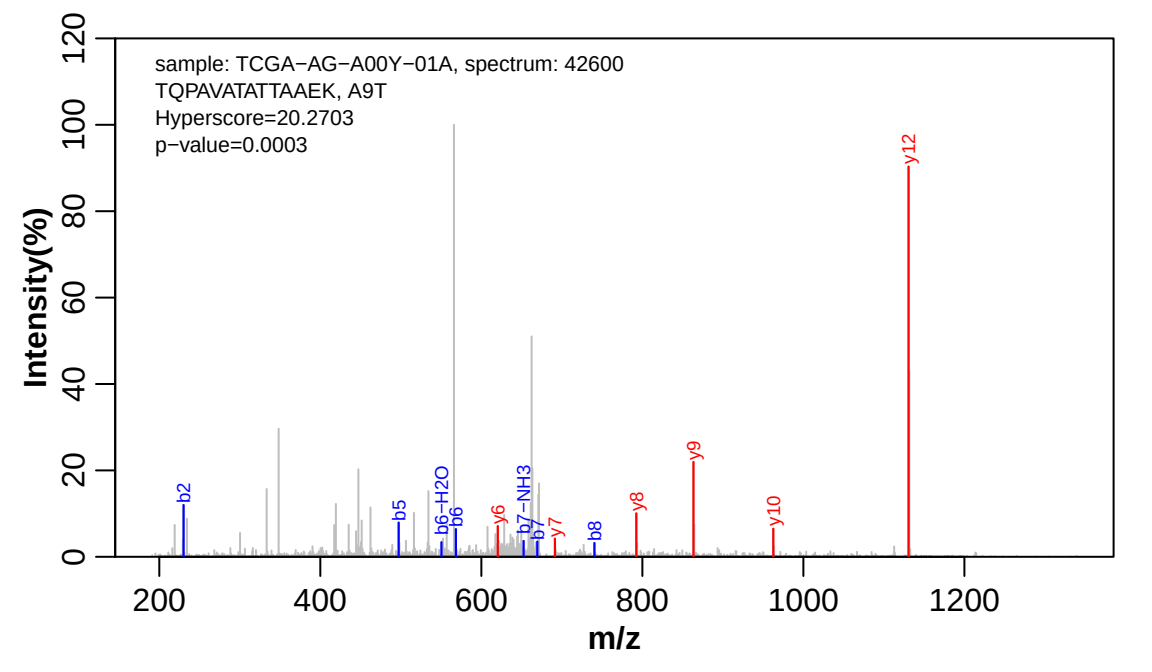

sample: TCGA−AG−A00Y−01A, spectrum: 52418
STESLQTNVQR, A7T
Hyperscore=32.4863
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y2
b4−H2O
y3
b5−H2O
b5
y4
y5
b6
y6
b7
b8−H2O
b8
y7
b9
b10−H2O
b10

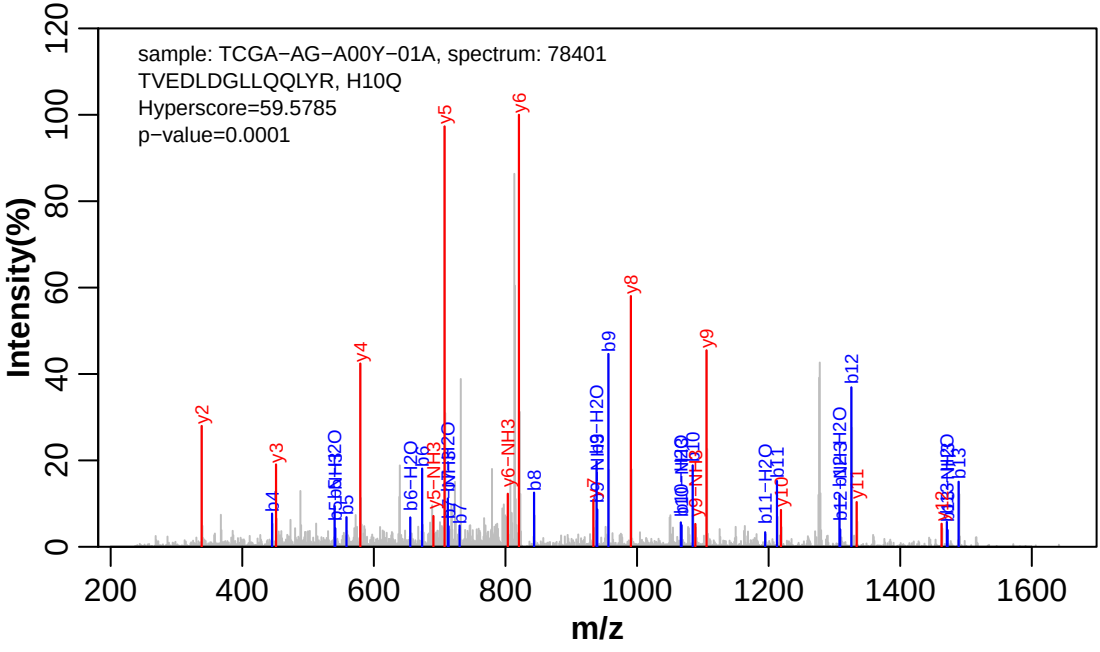

sample: TCGA−AG−A00Y−01A, spectrum: 269
TAASGVEASSR, N9S
Hyperscore=26.8057
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y2
b3
y3
b4
b5
y4
b6
y5
y6
b8−H2O
b8
y7
y8
y9

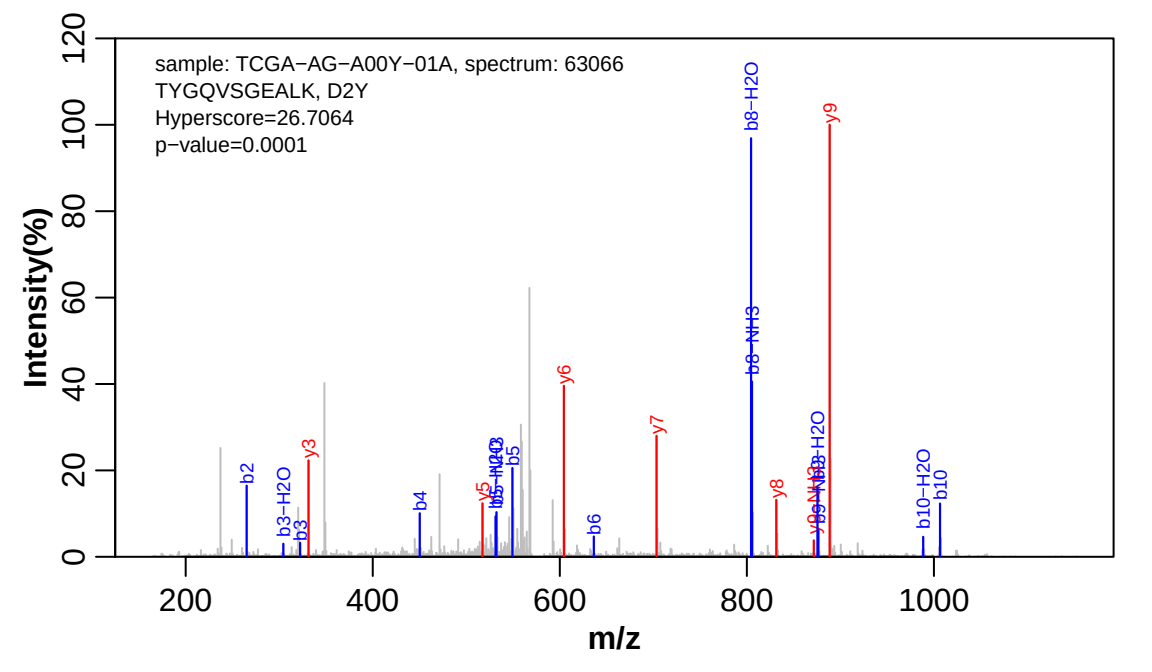

sample: TCGA−AG−A00Y−01A, spectrum: 134251
TAASGVEASSRPLDHAQPPSSLVLDK, N9S
Hyperscore=76.3834
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b17++
b10
y9
b16++
y20++
b19++
b25++
b14
b17
y12

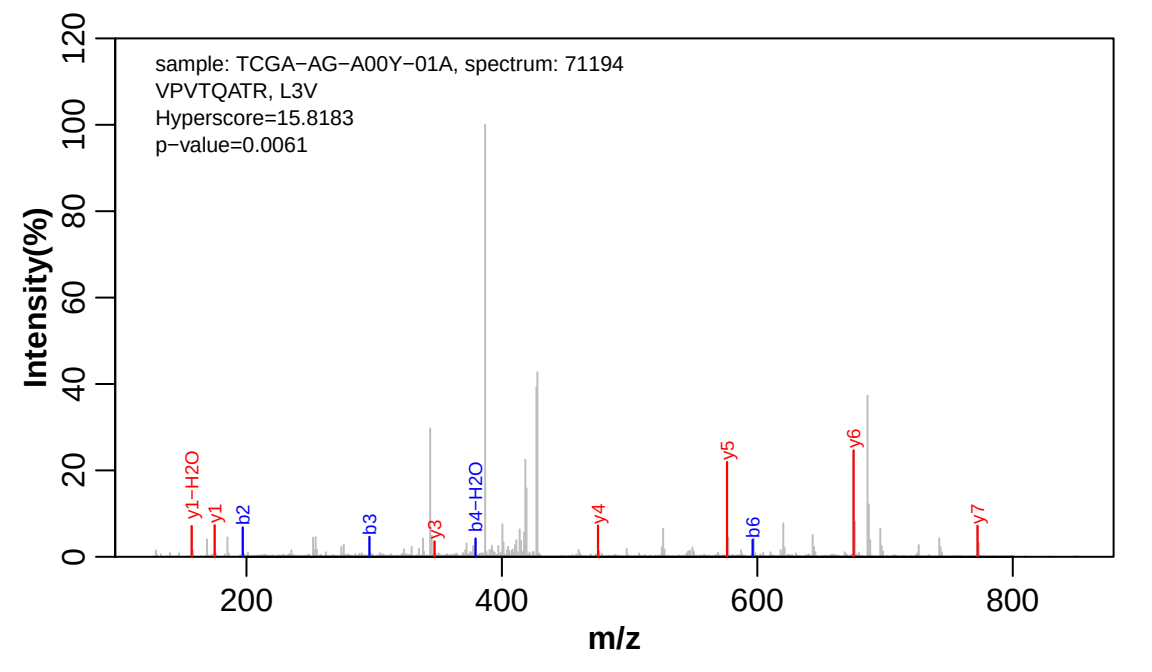

sample: TCGA−AG−A00Y−01A, spectrum: 69127
TGEATVASGLPAGWMGLDCGPESSKK, Q3E
Hyperscore=35.3733
p−value=0.0001
Intensity(%)
m/z
y3−NH3
y8+−H2O
y5−H2O
y11++
b7−H2O
b15++−H2O
y13++−H2O
y14++−H2O
y15++
y17++
y18++
y20++
b12
y21++
y14+−NH3
b14−NH3

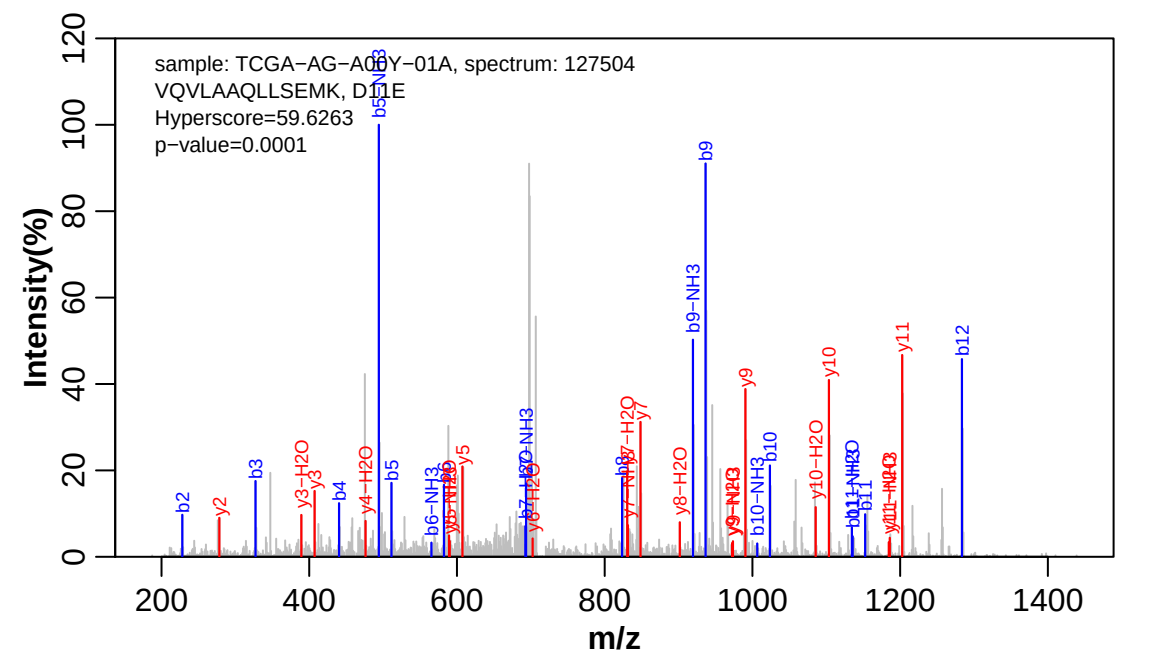

sample: TCGA−AG−A00Y−01A, spectrum: 95859
TLEGLQVEEEPVYK, E14K
Hyperscore=55.9804
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
b4−H2O
b4
y4
b5−H2O
b5
b6−NH3
b6
y5−H2O
y5−NH3
y5
b7−H2O
b7−NH3
b7
y6
y6−H2O
b8
y7
b8−H2O
b8−NH3
y7−H2O
y7−NH3
y8
b9−H2O
b9
y9
y9−H2O
y9−NH3
b10
y10
y11−NH3
y11
b12−H2O
b12
y12−H2O
y12
b13

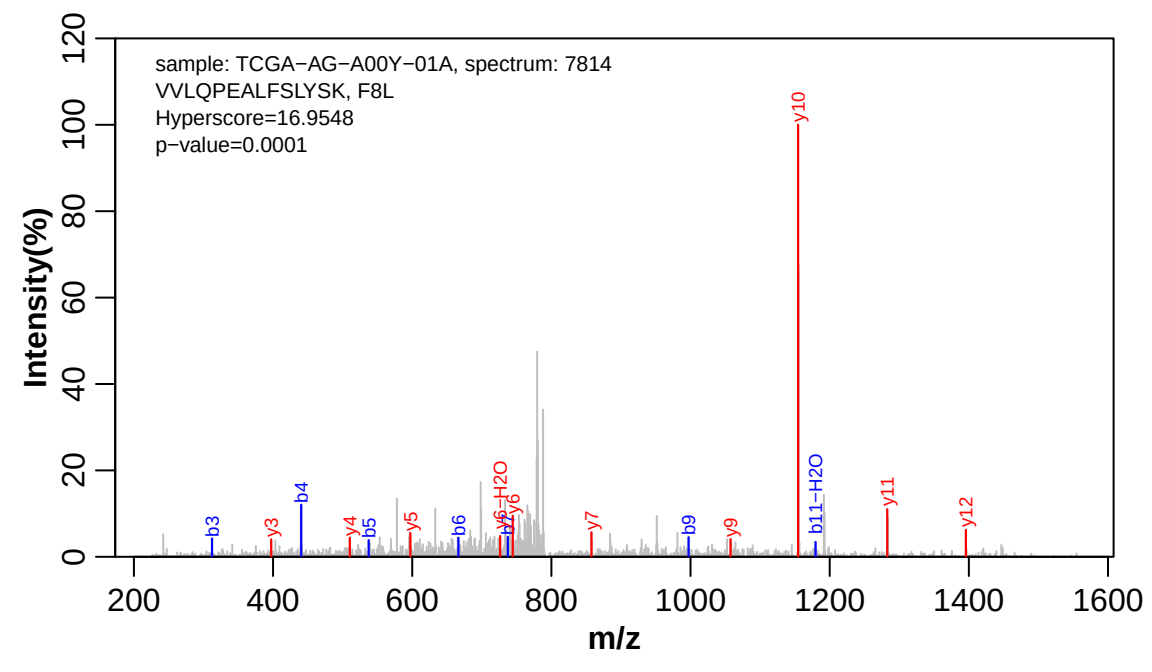

sample: TCGA−AG−A00Y−01A, spectrum: 42600
TQPAVATATTAAEK, A9T
Hyperscore=20.2703
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b5
b6−H2O
b6
y6
b7−NH3
b7
y7
b8
y8
y9
y10
y12

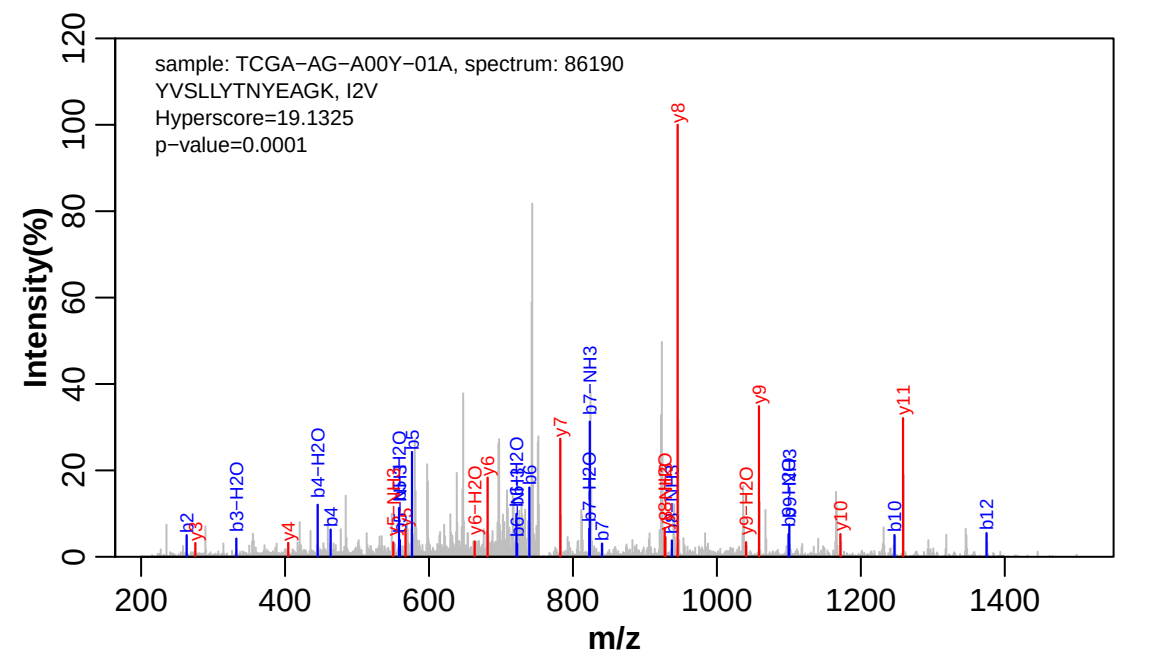

sample: TCGA−AG−A00Y−01A, spectrum: 78401
TVEDLDGLLQQLYR, H10Q
Hyperscore=59.5785
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b4
y4
b5
b6−H2O
b6
y5−NH3
y5
b7
y6−NH3
y6
b8
y8
b9
y9
b11−H2O
y10
b11
b12
y11
b13

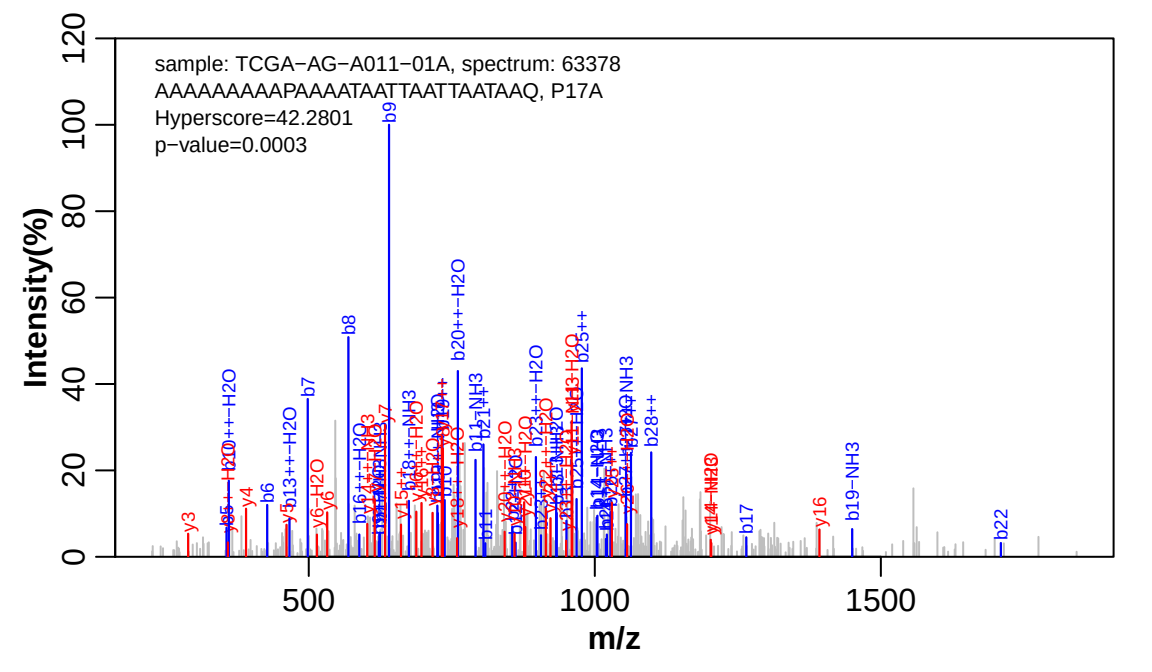

sample: TCGA−AG−A00Y−01A, spectrum: 63066
TYGQVSGEALK, D2Y
Hyperscore=26.7064
p−value=0.0001
Intensity(%)
m/z
b2
b3−H2O
b3
y3
b4
y5
b5
y6
b6
y7
b8−H2O
b8−NH3
y8
y9
b10−H2O
b10

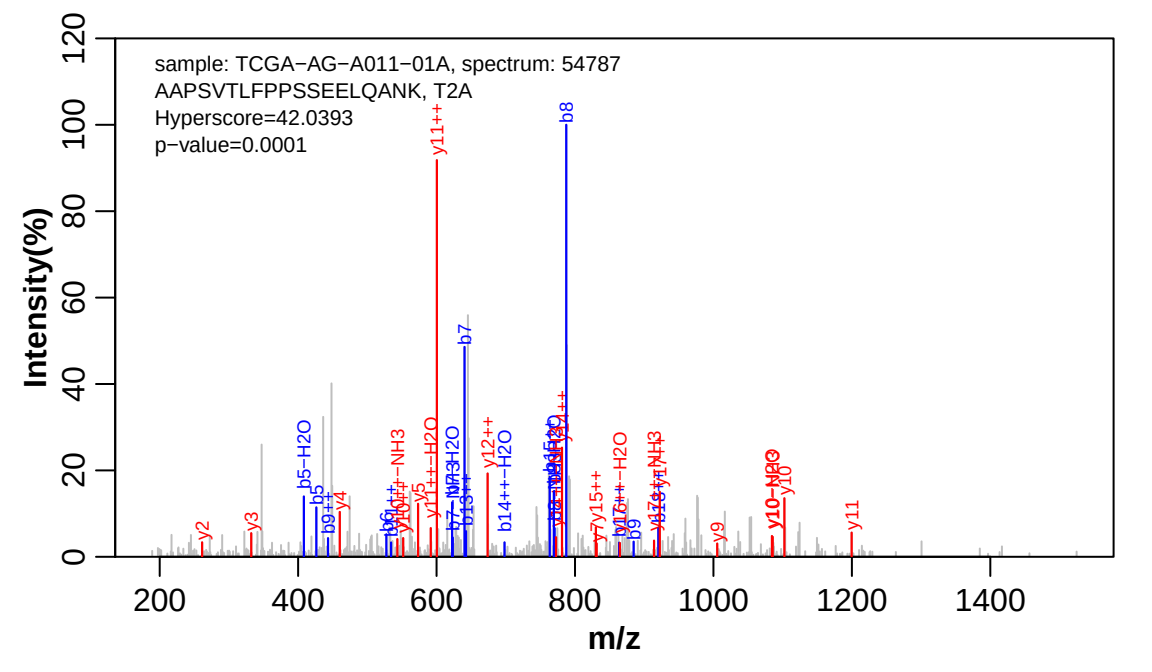

sample: TCGA−AG−A00Y−01A, spectrum: 71194
VPVTQATR, L3V
Hyperscore=15.8183
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−H2O
y1
b2
b3
y3
b4−H2O
y4
y5
b6
y6
y7

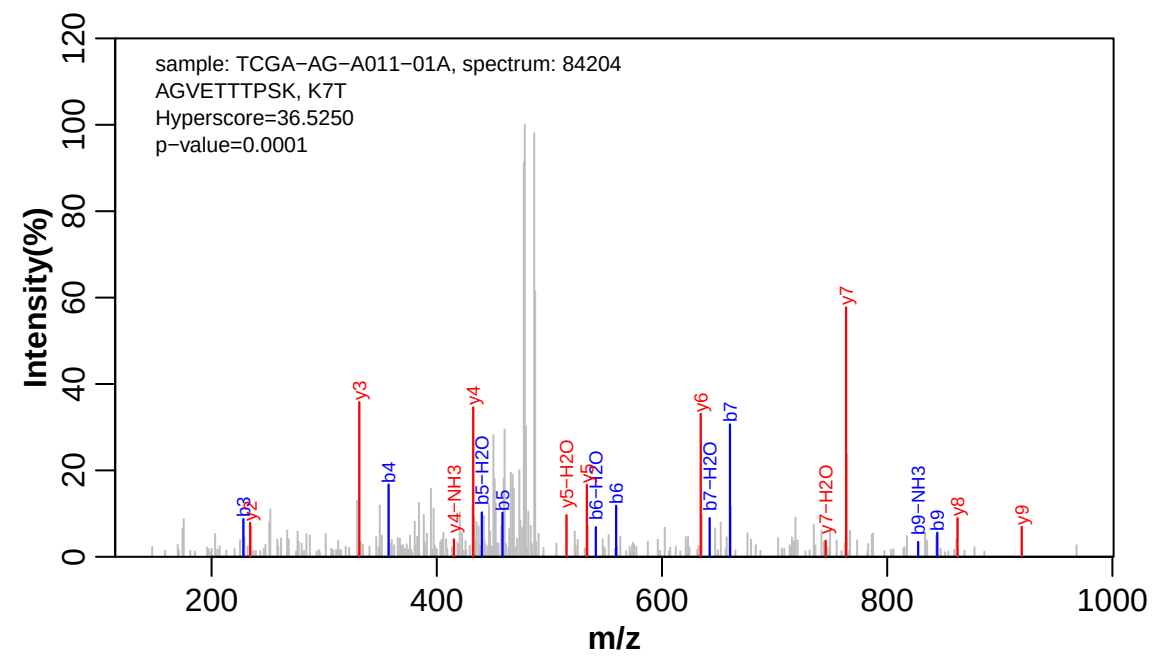

sample: TCGA−AG−A00Y−01A, spectrum: 127504
VQVLAAQLLSEMK, D11E
Hyperscore=59.6263
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3−H2O
y3
b4
y4−H2O
b5−NH3
b5
y5
b6−NH3
b6
y6−NH3
y6
b7−H2O−NH3
b7−H2O
y8−H2O
y7
b8−NH3
b8
y7−NH3
y7−H2O
y8
y9−NH3
y9−H2O
y9
b9−NH3
b9
b10−NH3
b10
y10−H2O
y10
b11−NH3
b11−H2O
b11
y11−NH3
y11−H2O
y11
b12

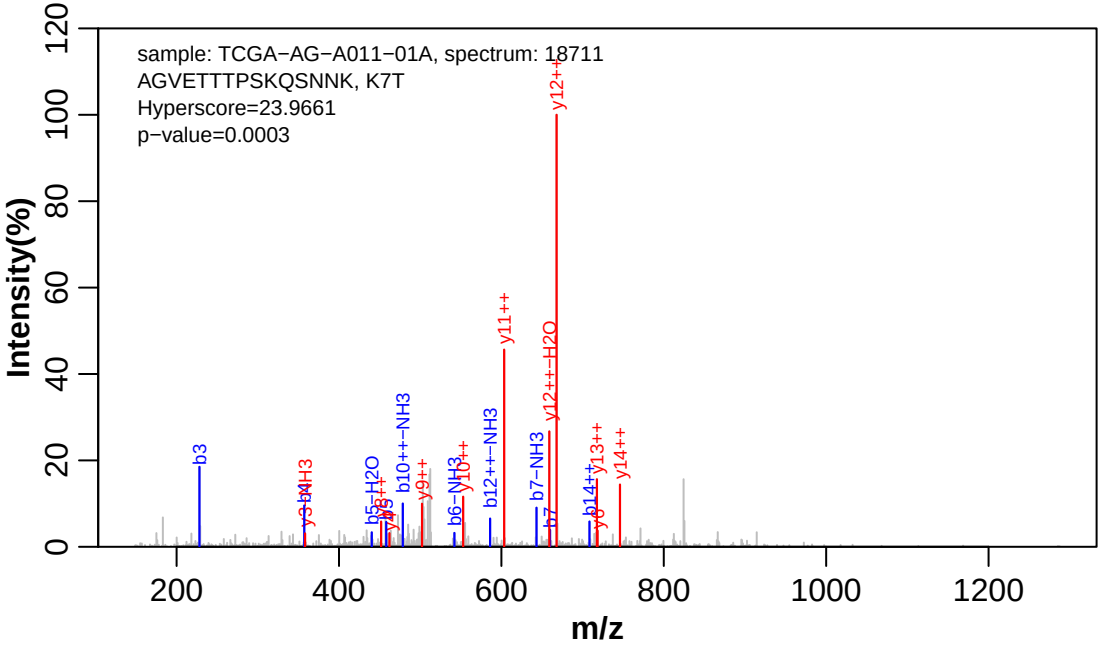

sample: TCGA−AG−A00Y−01A, spectrum: 7814
VVLQPEALFSLYSK, F8L
Hyperscore=16.9548
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b4
y4
b5
y5
b6
y6−H2O
y6
y7
b9
y9
y10
b11−H2O
y11
y12

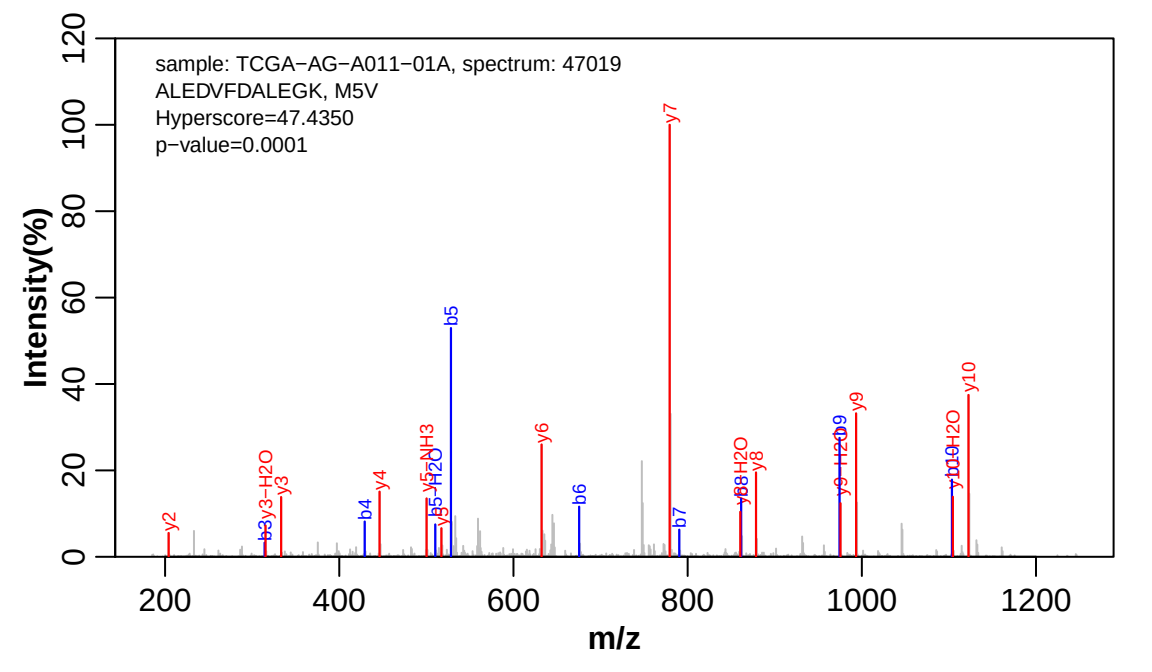

sample: TCGA−AG−A00Y−01A, spectrum: 86190
YVSLLYTNYEAGK, I2V
Hyperscore=19.1325
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y8
y7
y9
y11
y10
b12
b10
b7−NH3
b7−H2O
b7
b4−H2O
b4
b3−H2O
y4
y3
b2
y6−H2O
y6
b5
b6
y9−H2O

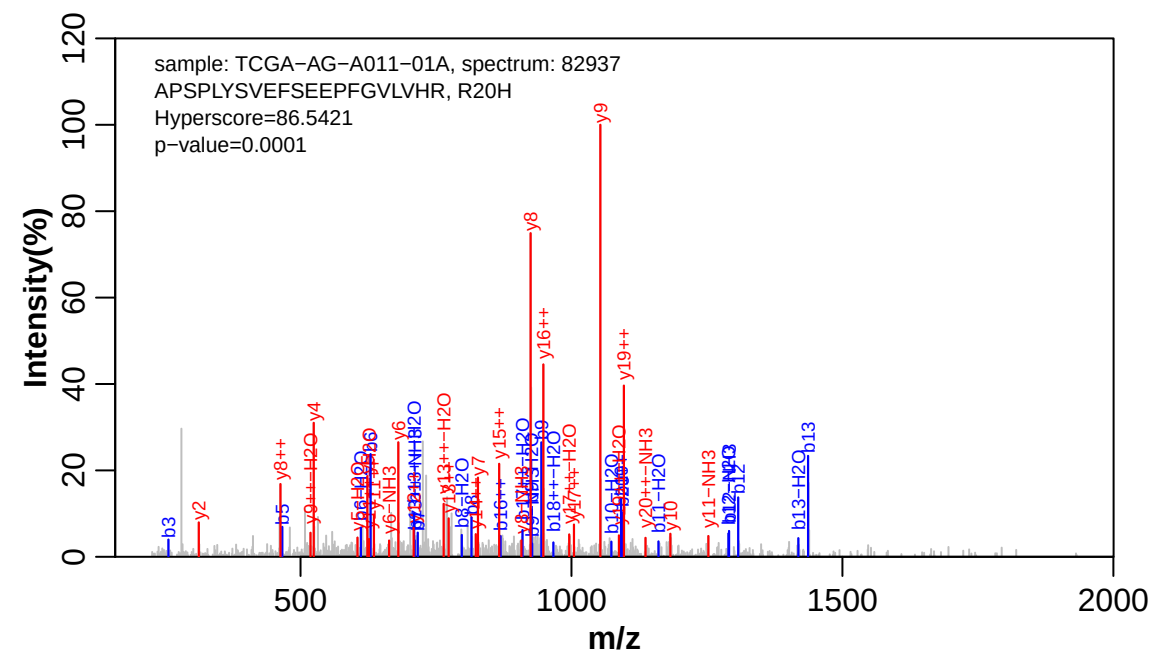

sample: TCGA−AG−A011−01A, spectrum: 63378
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=42.2801
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9
b8
b7
b6
b5
b4
b3
y3
y4
y5
y6
y7
y8
y9
y10
y11
y12
y13
y14
y15
y16
y17
y18
b11
b12
b13
b14
b15
b16
b17
b18
b19
b20
b21
b22
b23
b24
b25
b26
b27
b28
y6−H2O
b13++−H2O
b20++−H2O
b11−NH3
b19−NH3
b22
b25++
b28++

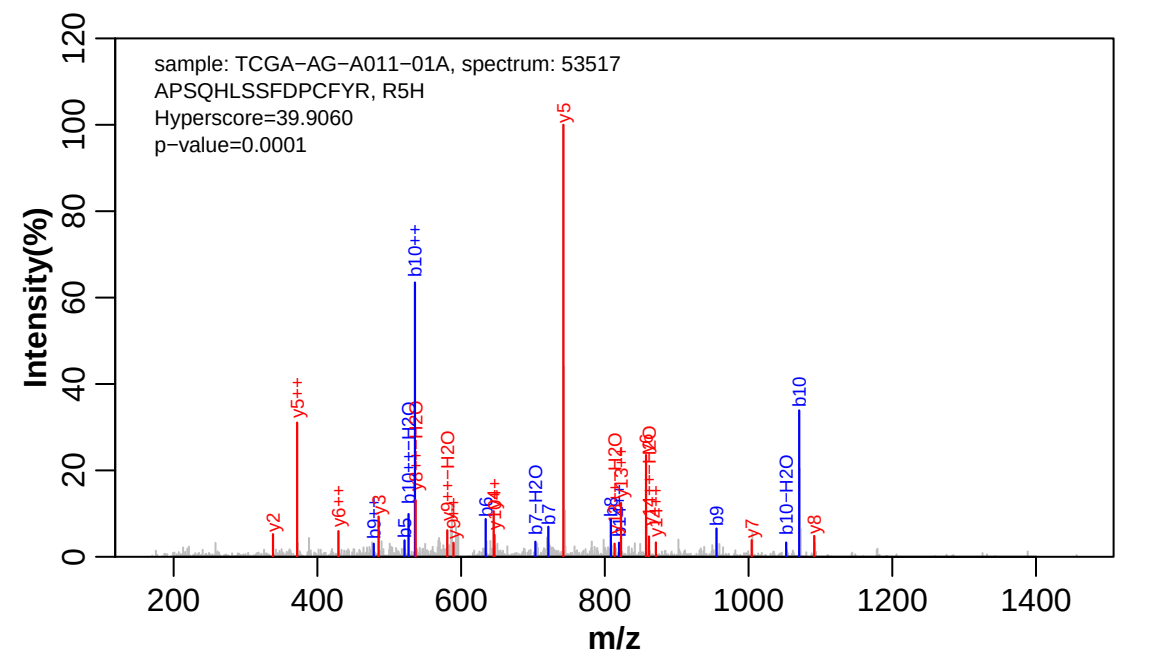

sample: TCGA−AG−A011−01A, spectrum: 54787
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=42.0393
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y11++
b8
b7
y12++
b14++−H2O
b5−H2O
b5
b9++
y4
y2
y3
y5
y15++
y11
y10
y9

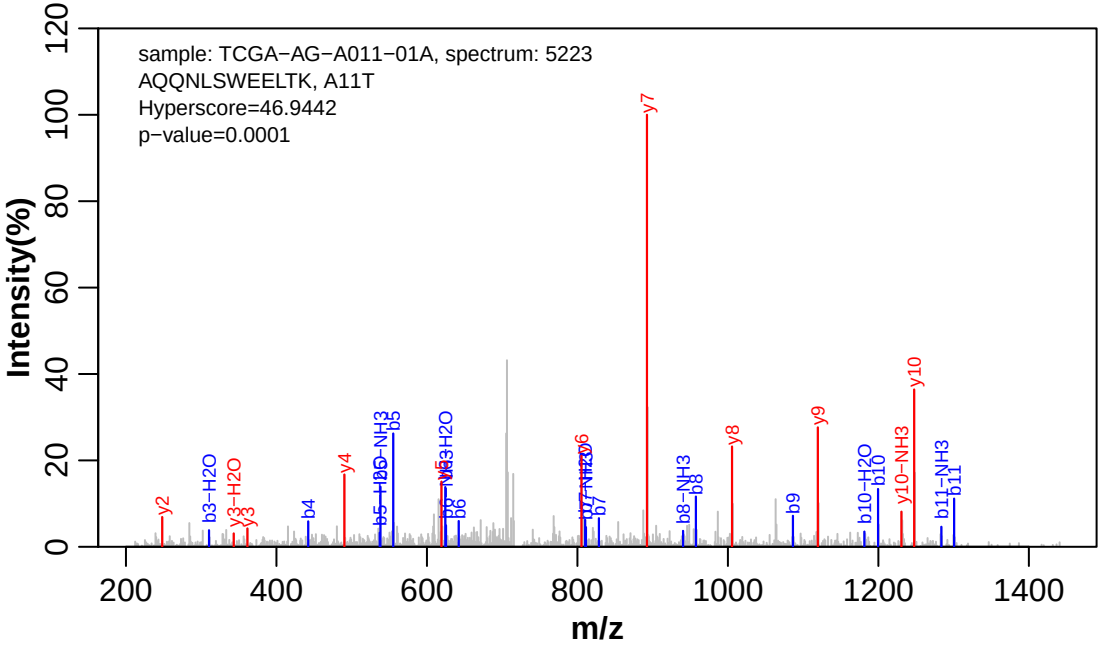

sample: TCGA−AG−A011−01A, spectrum: 84204
AGVETTTPSK, K7T
Hyperscore=36.5250
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y2
y3
b4
y4−NH3
y4
b5−H2O
b5
y5−H2O
y5
b6−H2O
b6
y6
b7−H2O
b7
y7−H2O
y7
b9−NH3
b9
y8
y9

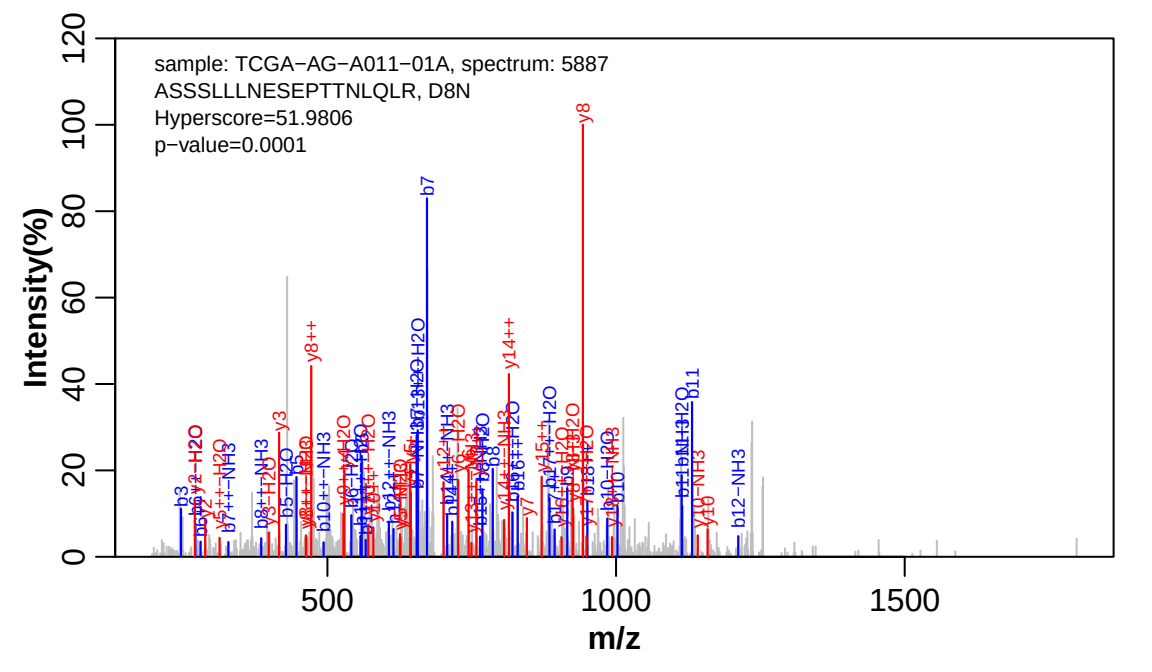

sample: TCGA−AG−A011−01A, spectrum: 18711
AGVETTTPSKQSNNK, K7T
Hyperscore=23.9661
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
y3−NH3
b5−H2O
b5++
y3
b8++
b10++−NH3
y9++
b6−NH3
b10++
b12++−NH3
y11++
b7−NH3
y12++−H2O
b7
b14++
y13++
y14++
y12++

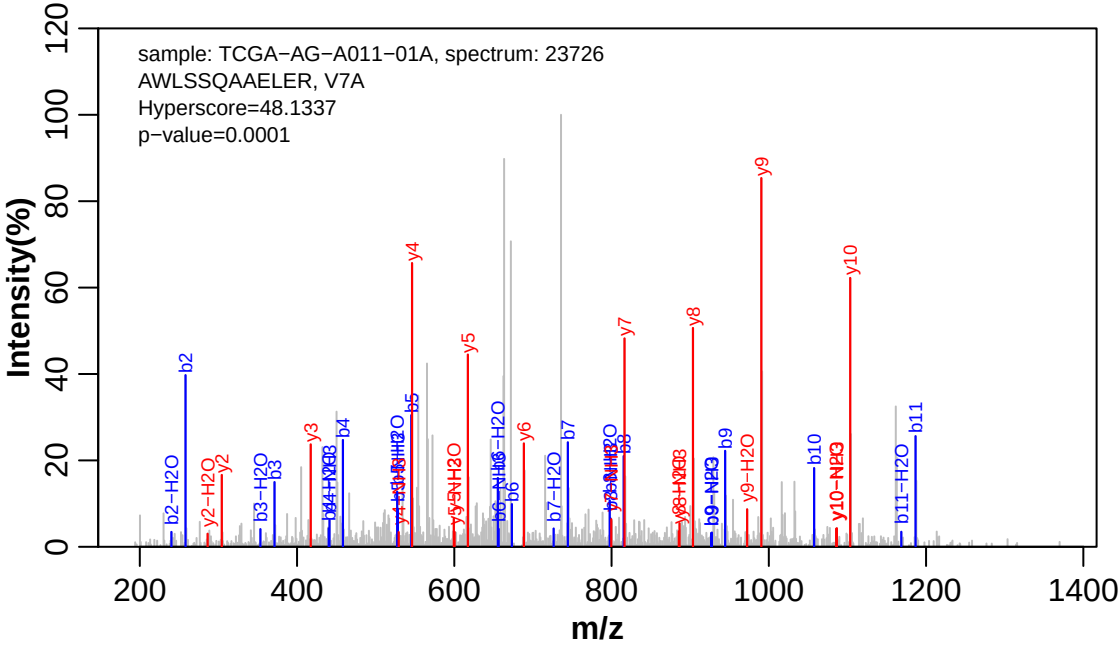

sample: TCGA−AG−A011−01A, spectrum: 47019
ALEDVFDALEGK, M5V
Hyperscore=47.4350
p−value=0.0001
Intensity(%)
m/z
y7
b5
y6
y10
y9
y8
b6
b7
b4
y4
y3
y2
b3
y3−H2O
y5−NH3
b5−H2O
y8−H2O
y9−H2O
y10−H2O

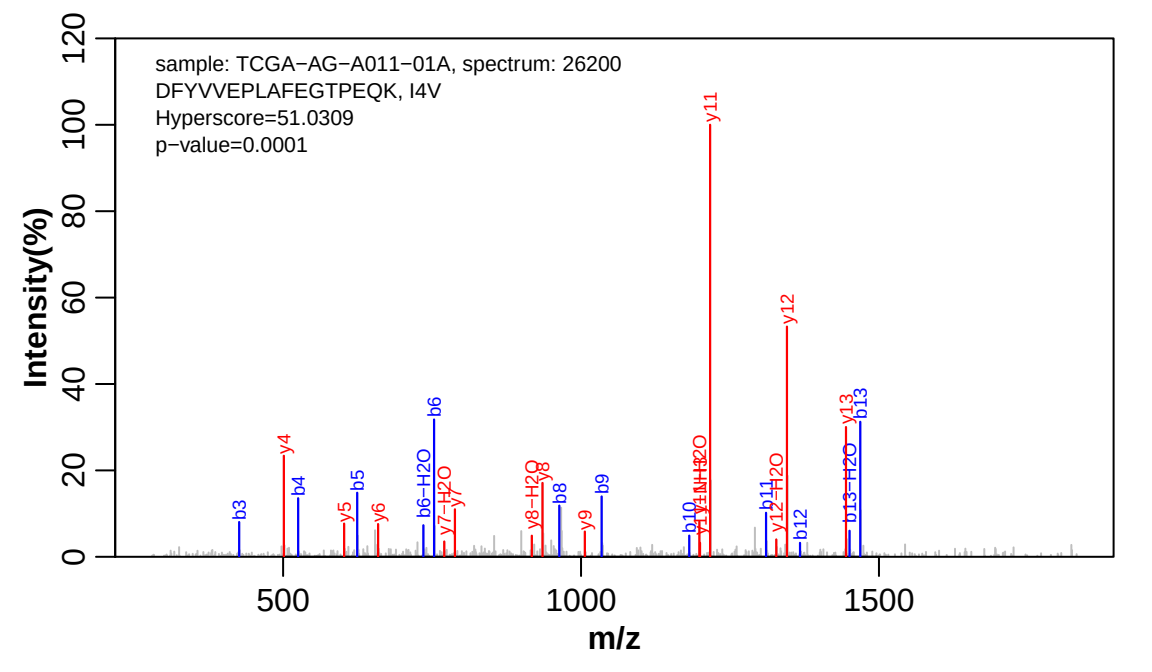

sample: TCGA−AG−A011−01A, spectrum: 82937
APSPLYSVEFSEEPFGVLVHR, R20H
Hyperscore=86.5421
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y2
b5
y8++
y9++−H2O
y4
y6−NH3
y6
y13++−H2O
y7
y15++
y16++
y8
y9
y19++
b18++−H2O
y17++−H2O
b10−H2O
y20++−NH3
b13−H2O
y10
y11−NH3
b13

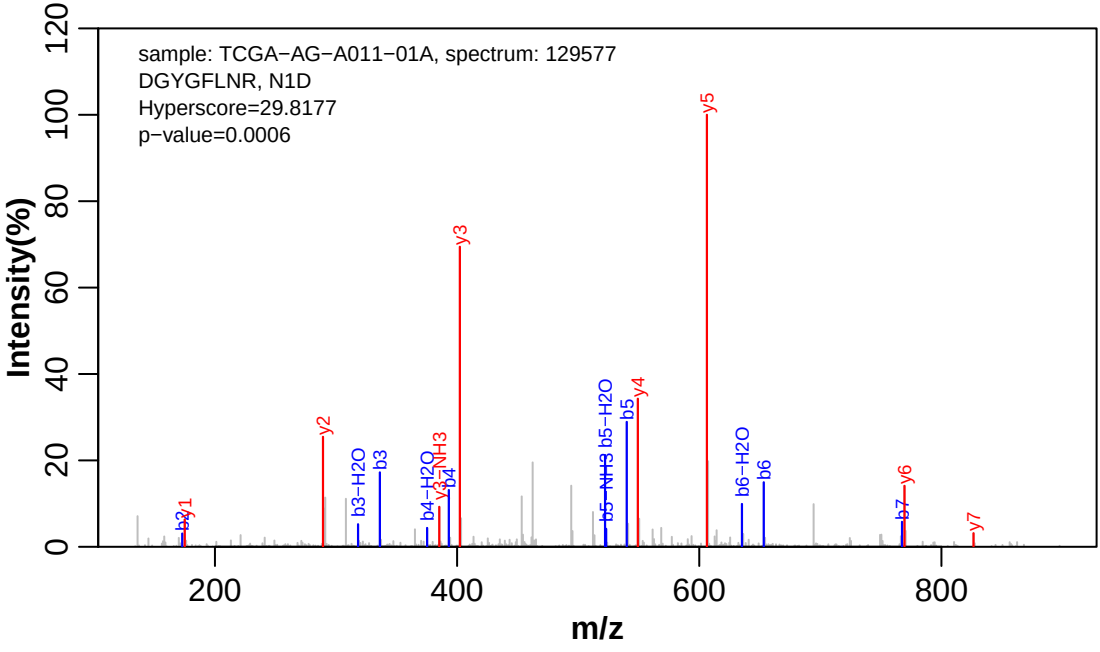

sample: TCGA−AG−A011−01A, spectrum: 53517
APSQHLSSFDPCFYR, R5H
Hyperscore=39.9060
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
b10++
y5++
b10
y2
y6++
b9++
y3
b5
b10++−H2O
y9++−H2O
b6
y10++
b7−H2O
b7
y13++−H2O
y14++−H2O
b9
y7
b10−H2O
y8

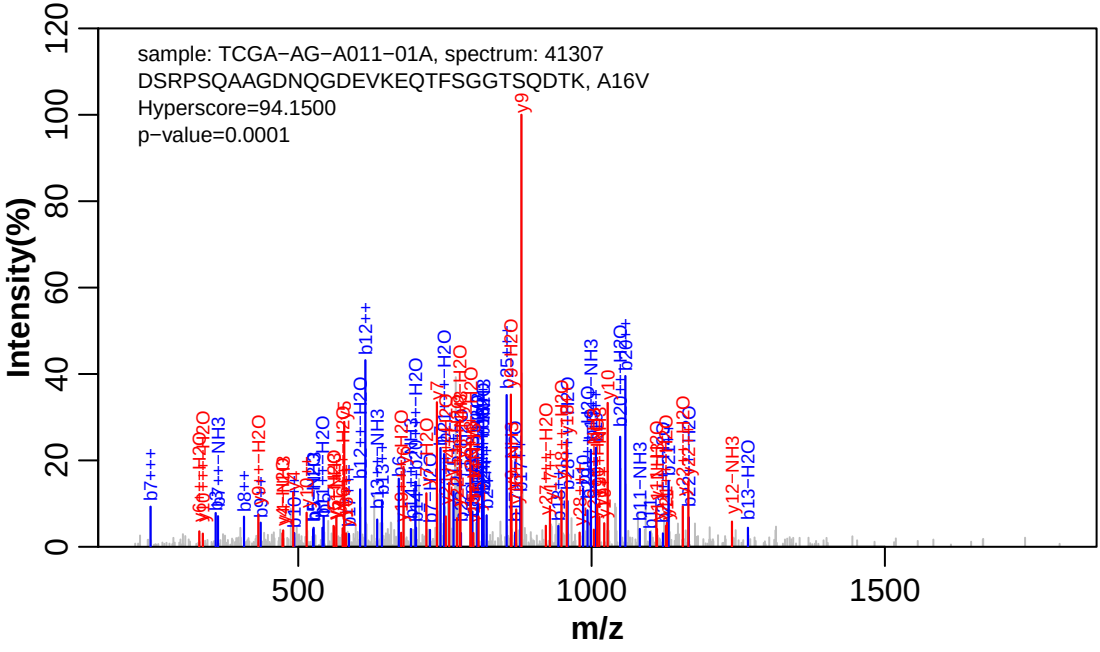

sample: TCGA−AG−A011−01A, spectrum: 5223
AQQNLSWEELTK, A11T
Hyperscore=46.9442
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3−H2O
y3−H2O
y3
b4
y4
b5−H2O
b5−NH3
b5
b6−NH3
b6−H2O
b6
b7−NH3
b7−H2O
b7
y7
b8−NH3
b8
y8
b9
y9
b10−H2O
b10
y10−NH3
y10
b11−NH3
b11

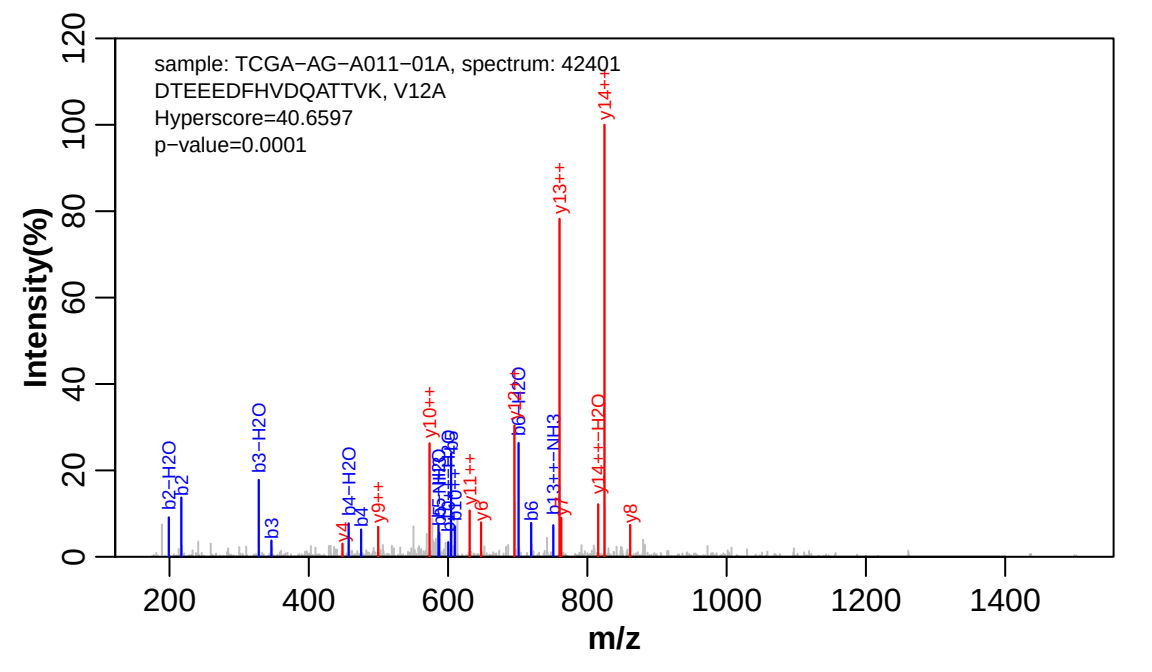

sample: TCGA−AG−A011−01A, spectrum: 5887
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=51.9806
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
b7
y8++
y14++
b11
b12−NH3
y10−NH3
b3
y3
b5−H2O
b10++−NH3
y7
y15++−H2O

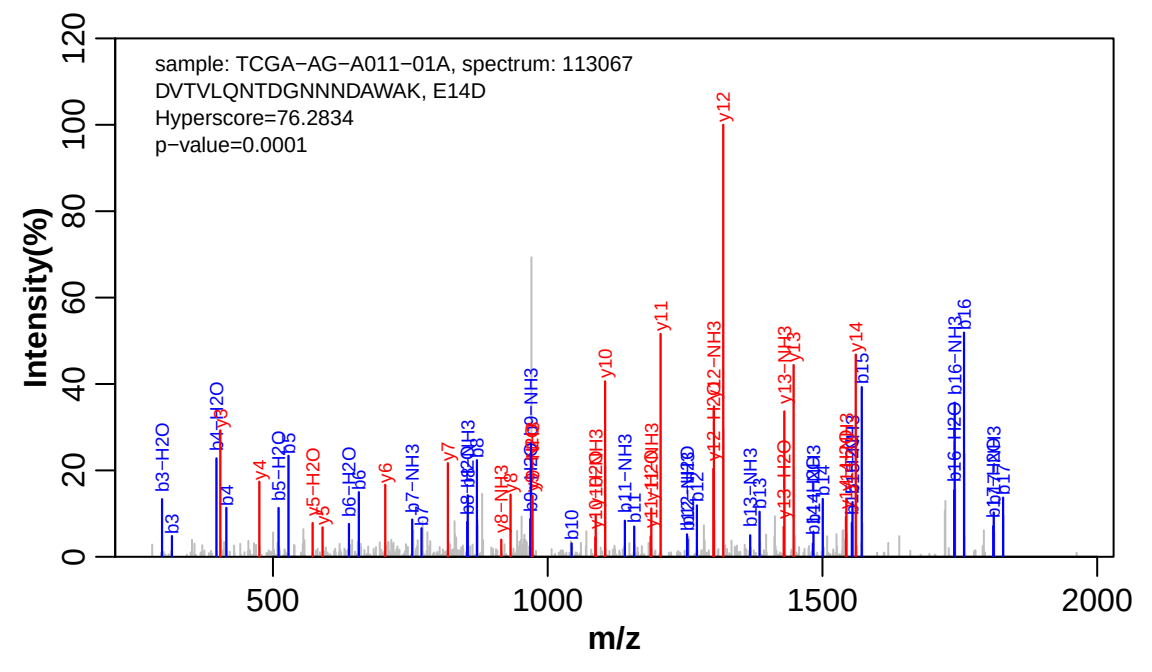

sample: TCGA−AG−A011−01A, spectrum: 23726
AWLSSQAAELER, V7A
Hyperscore=48.1337
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b2−H2O
y2−H2O
y2
b3−H2O
b3
y3
b4
y4
b5
y5
y5−NH3
b6−NH3
b6−H2O
b6
y6
b7−H2O
b7
y7
b8
y8
b9
y9−H2O
y9
b10
y10
b11−H2O
b11

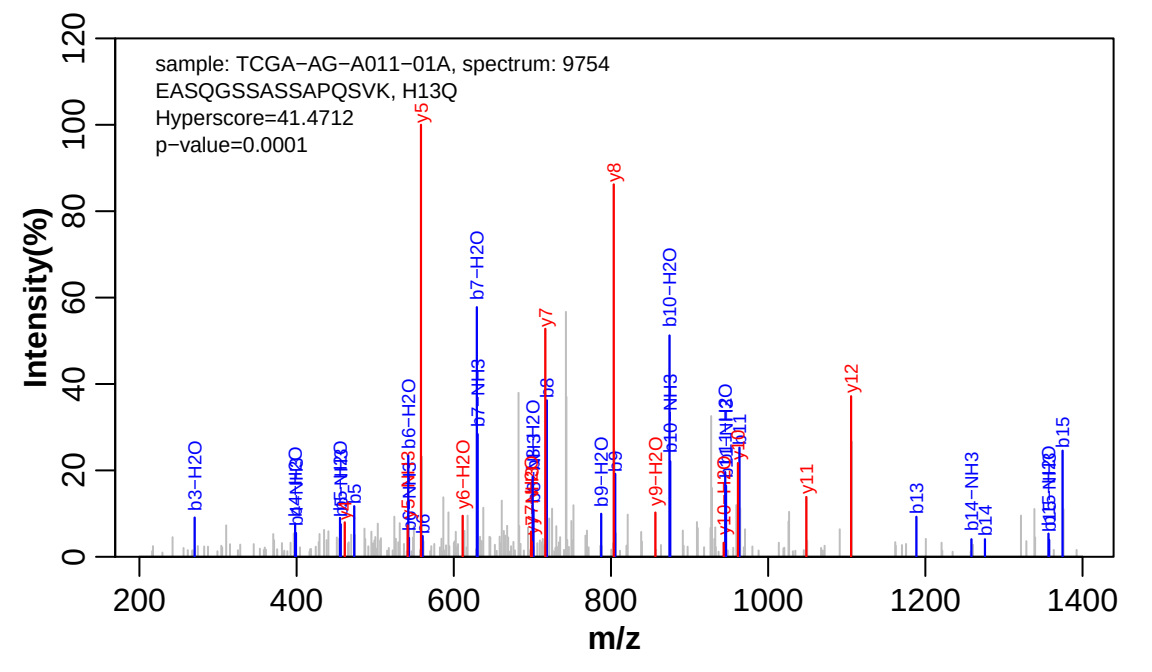

sample: TCGA−AG−A011−01A, spectrum: 26200
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=51.0309
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
y4
b4
y5
b5
y6
b6−H2O
b6
y7−H2O
y8−H2O
y8
b8
y9
b9
b10
y11−NH3
y11−H2O
y11
y12
b11
y12−H2O
b12
b13−H2O
y13
b13

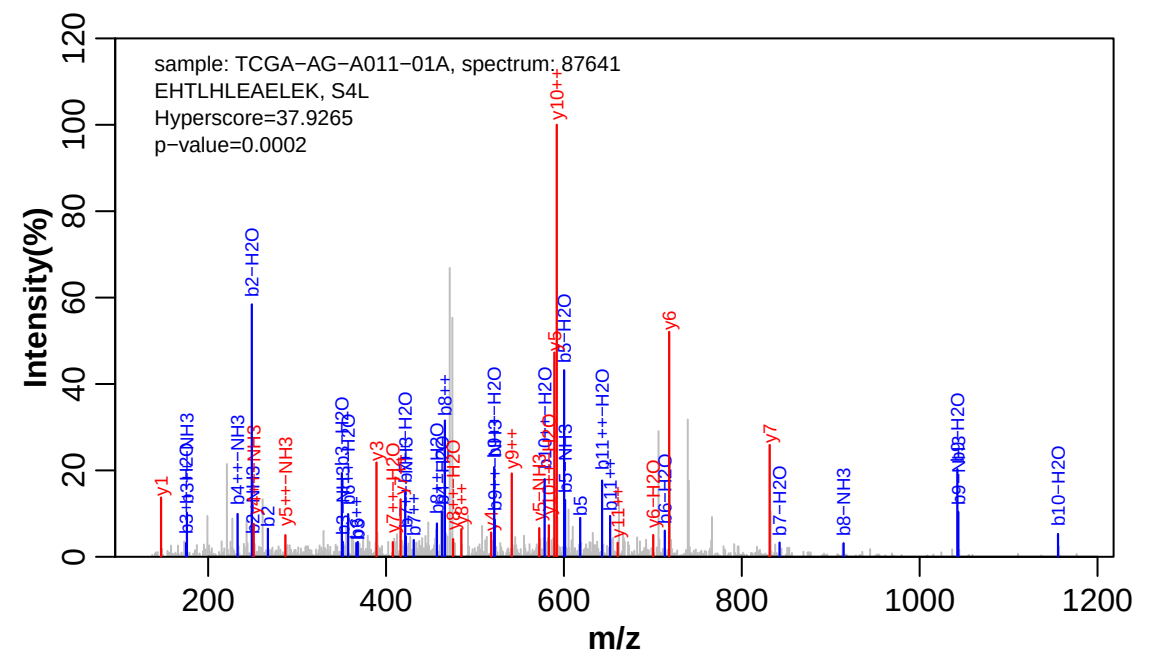

sample: TCGA−AG−A011−01A, spectrum: 129577
DGYGFLNR, N1D
Hyperscore=29.8177
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y5
y3
y2
y4
b5
b5−H2O
b5−NH3
b3
b3−H2O
b4−H2O
b4−NH3
b4
b6−H2O
b6
y6
b7
y7
b2
y1

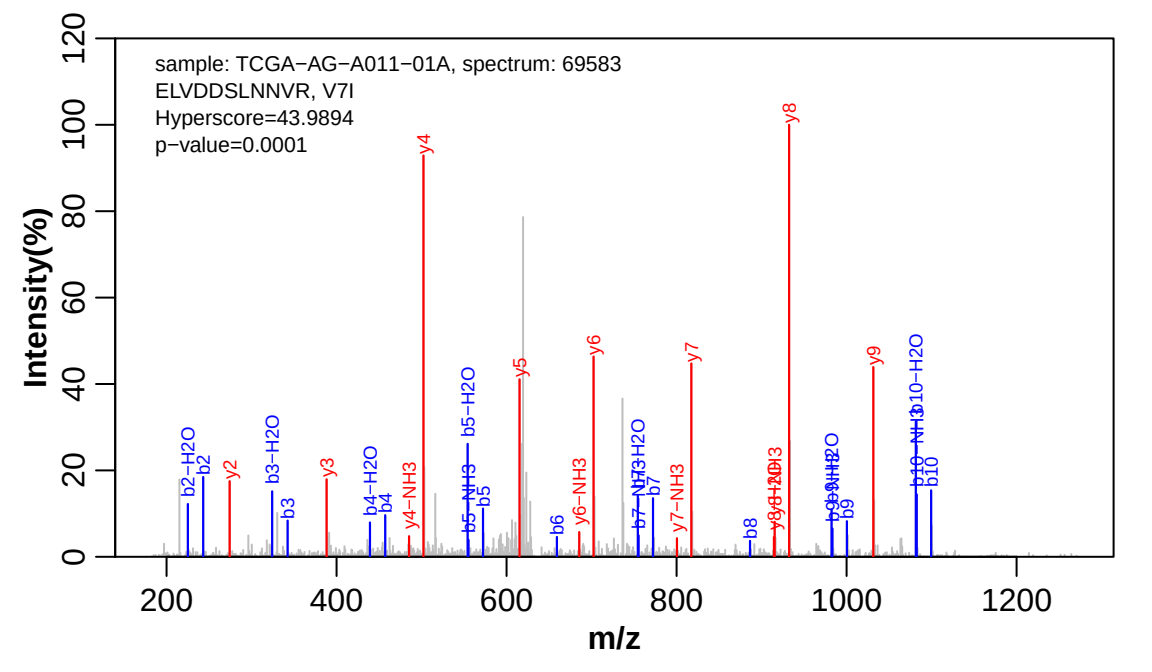

sample: TCGA−AG−A011−01A, spectrum: 41307
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=94.1500
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y9
b7+++
b7++−NH3
b8++
b9++−H2O
b12++
b12++−H2O
b13+−NH3
y5+−H2O
y6+−NH3
y7+−H2O
y10
b20++
b11−NH3
y12−NH3
b13−H2O

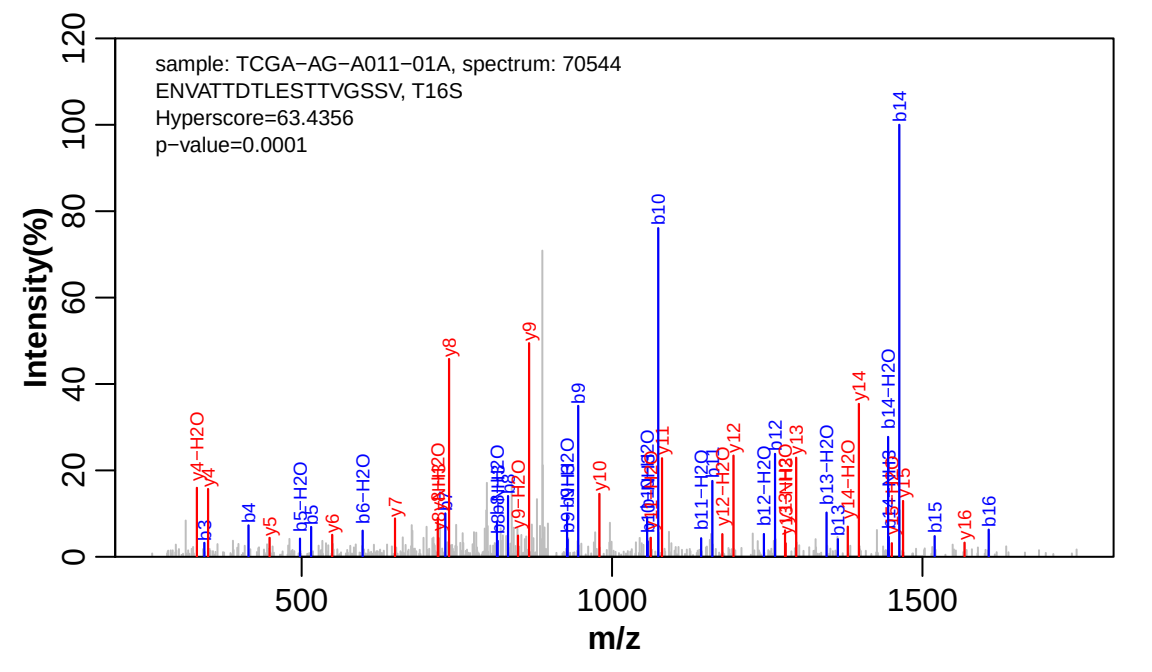

sample: TCGA−AG−A011−01A, spectrum: 42401
DTEEEDFHVDQATTVK, V12A
Hyperscore=40.6597
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b2
b3−H2O
b3
v4
b4−H2O
b4
y9++
y10++
y11++
y8
b6−H2O
b6
y13++−NH3
y7
y14++−H2O
y14++
y13++
b8
y8

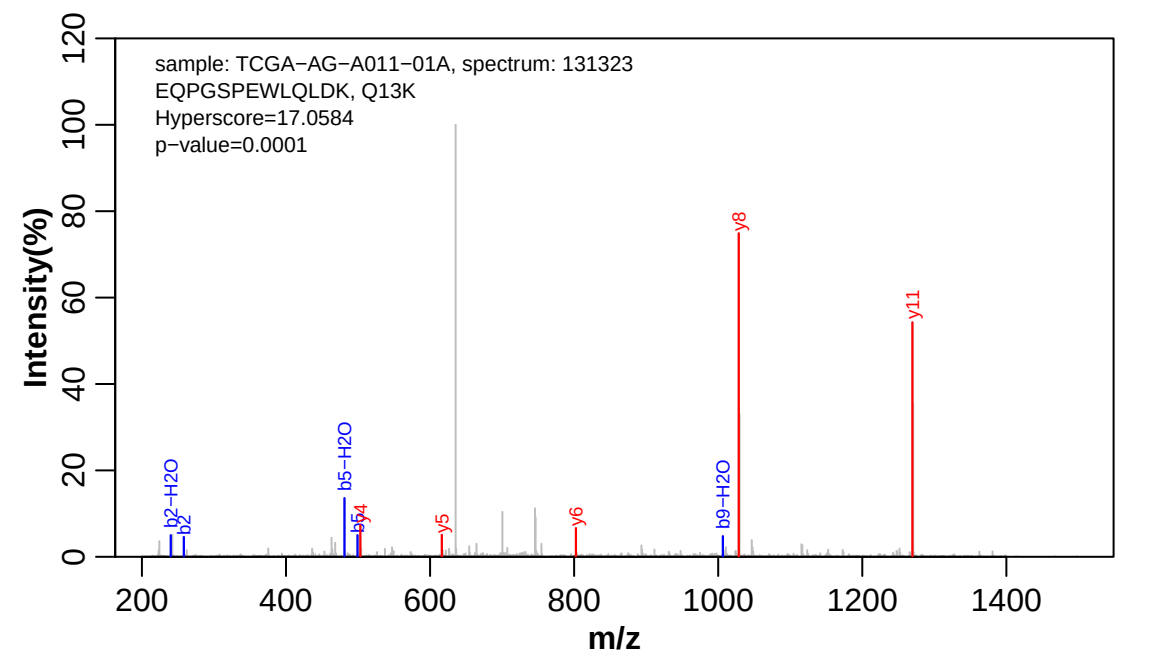

sample: TCGA−AG−A011−01A, spectrum: 113067
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=76.2834
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b3
b4
b4−H2O
y4
b5−H2O
b5
y5
y5−H2O
b6−H2O
b6
y6
b7−NH3
b7
y7
y8
y8−NH3
b10
y10
b11−NH3
b11
y11
y11−H2O−NH3
y12
y12−H2O
y12−NH3
b13−NH3
b13
y13−H2O
y13−NH3
y13
b14
b15
y14
b16
b16−H2O
b16−NH3

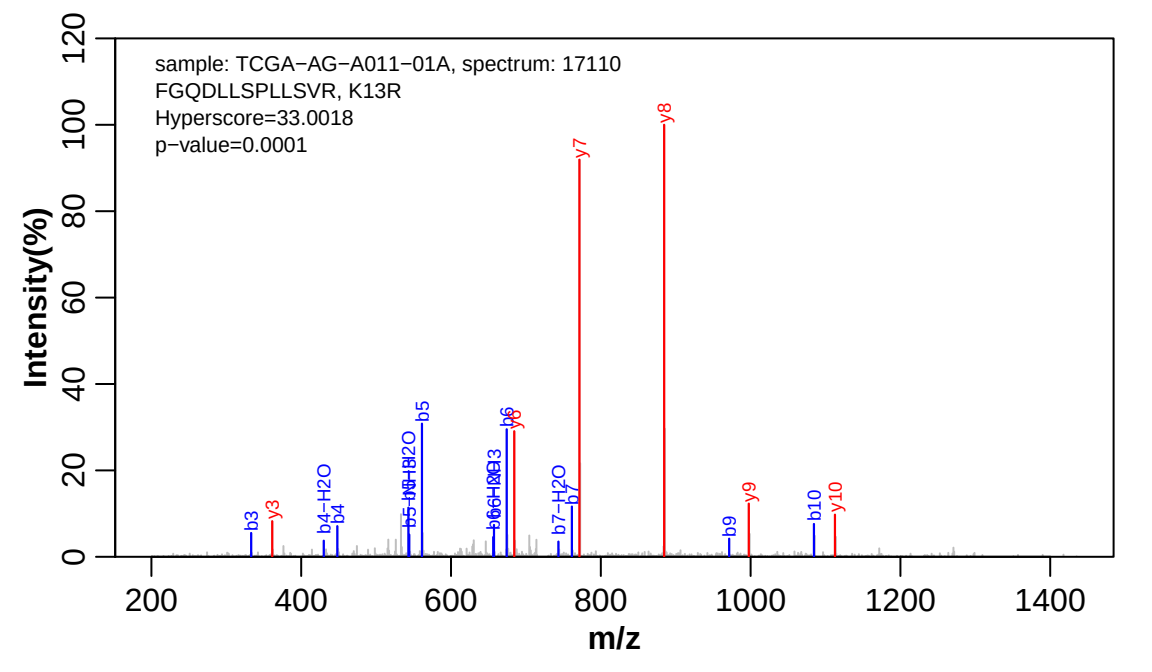

sample: TCGA−AG−A011−01A, spectrum: 9754
EASQGSSASSAPQSVK, H13Q
Hyperscore=41.4712
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y8
b7−H2O
y7
b10−H2O
b6−H2O
b7−NH3
y12
b3−H2O
y6−H2O
b9−H2O
y9−H2O
b10−NH3
y11
b13
b14−NH3
b14
b15

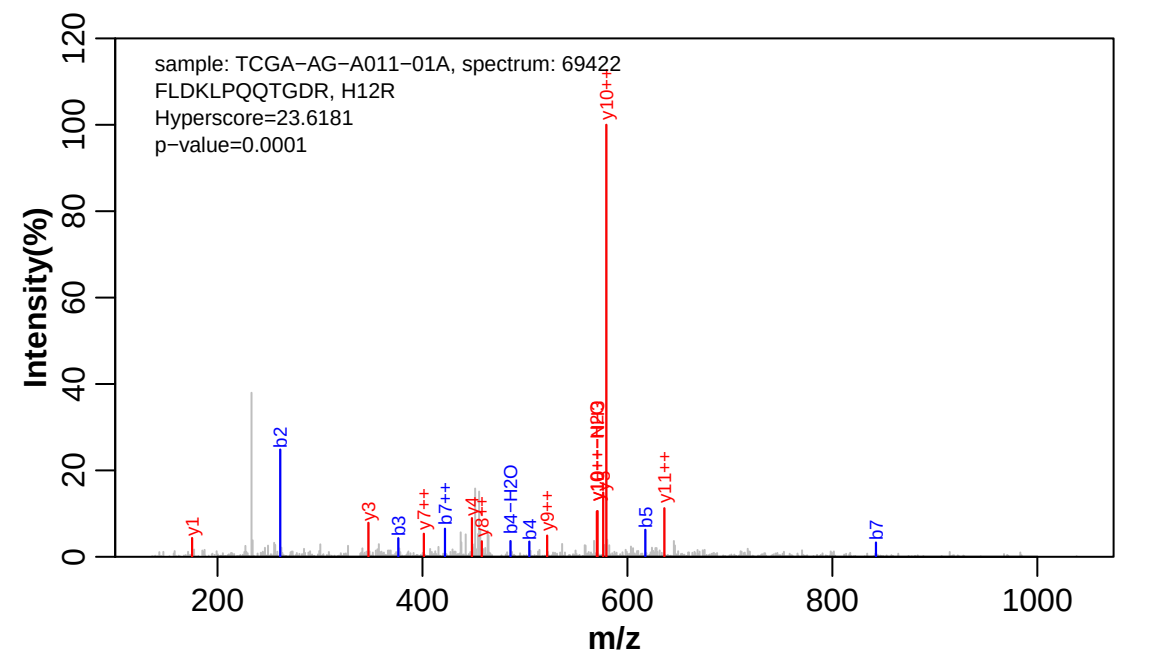

sample: TCGA−AG−A011−01A, spectrum: 87641
EHTLHLEAELEK, S4L
Hyperscore=37.9265
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y10++
b2−H2O
y6
y5
b5−H2O
y7
b7−H2O
b8−NH3
b10−H2O
y1
y3
y9++
b5
b11++−H2O
y6−H2O
b6−H2O
y11++
b9−NH3
b4++−NH3
b2−NH3
b2
y5++−NH3
b8++
y8++
b9++−H2O
y4++−H2O
y5−NH3
y10++−H2O
b5−NH3
b9++
b4++−H2O
y7++−H2O
b7++−NH3−H2O
b3++−H2O
b3−NH3
b3
b4++
b2+b3+H2O−NH3

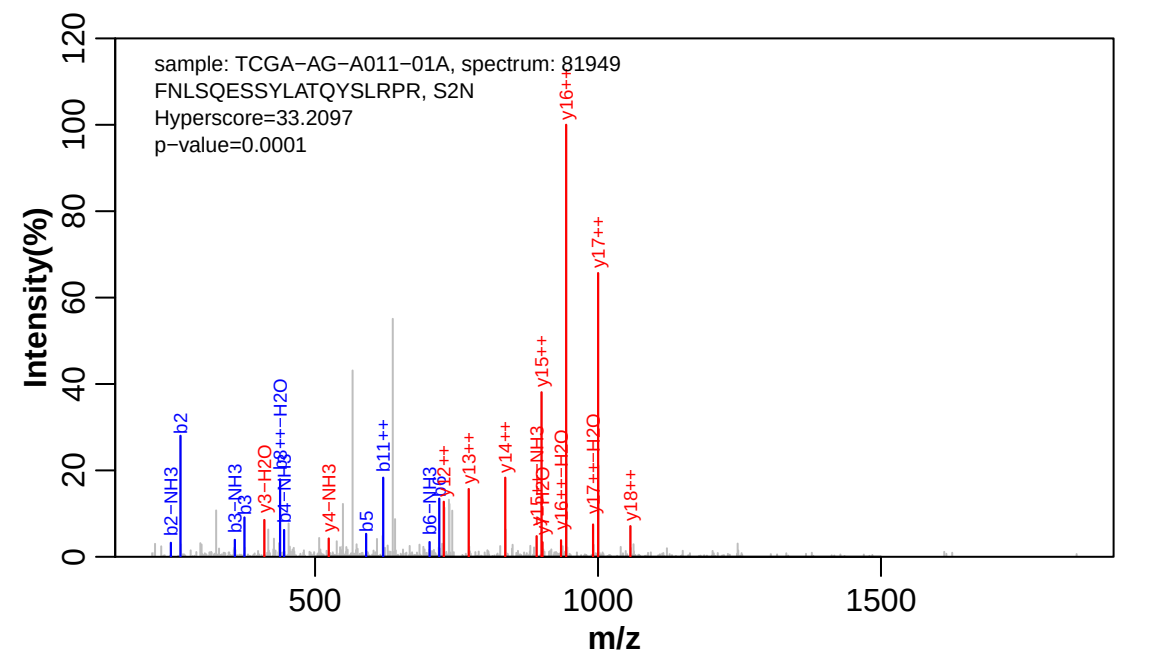

sample: TCGA−AG−A011−01A, spectrum: 69583
ELVDDSLNNVR, V7I
Hyperscore=43.9894
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
b5−NH3
b5−H2O
b5
y5
b6
y6−NH3
y6
b7−NH3
b7−H2O
b7
y7−NH3
y7
b8
y8
b9
y9
b10−NH3
b10−H2O
b10

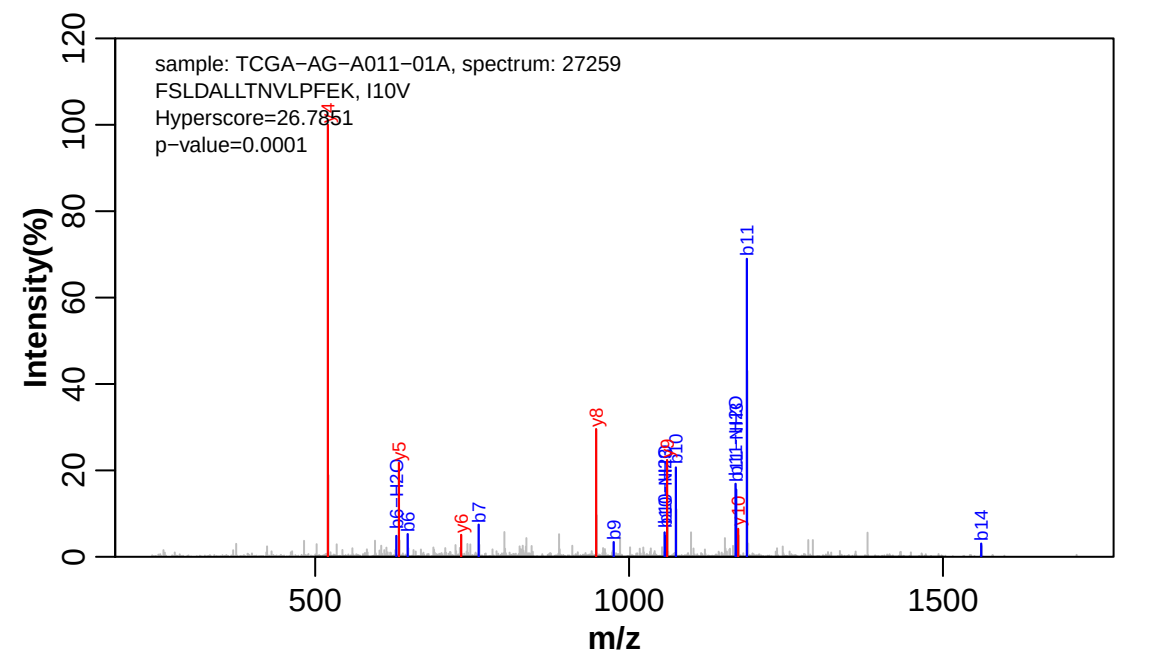

sample: TCGA−AG−A011−01A, spectrum: 70544
ENVATTDTLESTTVGSSV, T16S
Hyperscore=63.4356
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b14
b10
y9
y8
b9
y14
y10
y11
y12
y13
b15
y16
b16
b4
y5
b5
y6
y7
b6−H2O
y4−H2O
b5−H2O
y9−H2O
b9−H2O
b14−H2O
b12−H2O
b13−H2O
y14−H2O
y12−H2O
b11−H2O

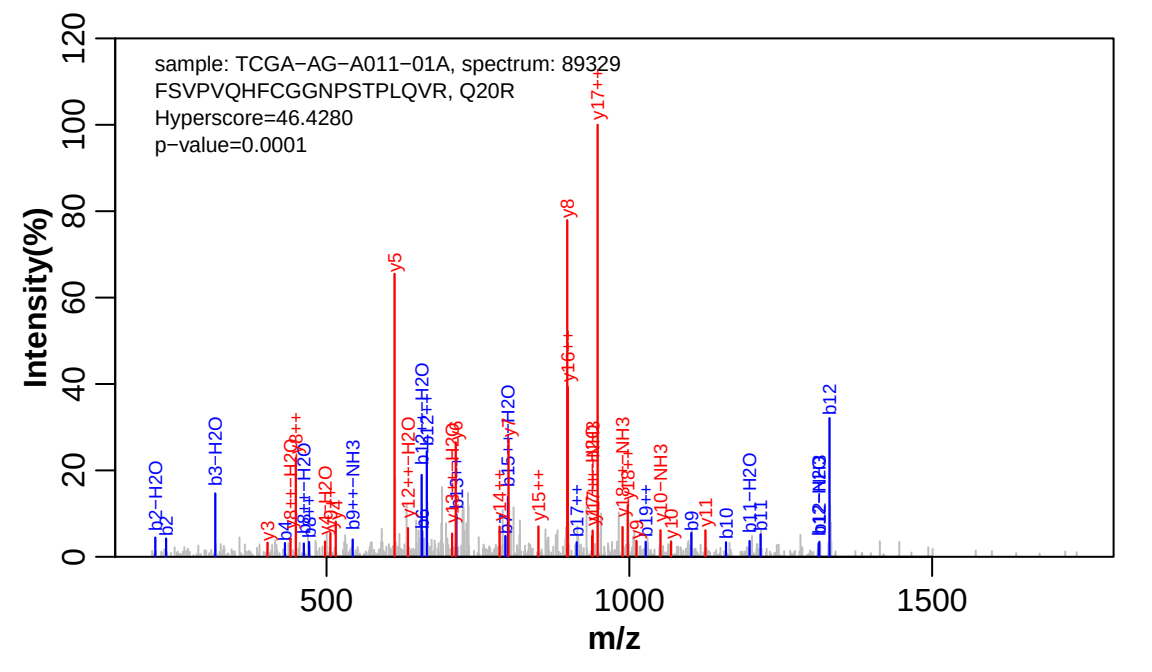

sample: TCGA−AG−A011−01A, spectrum: 131323
EQPGSPEWLQLDK, Q13K
Hyperscore=17.0584
p−value=0.0001
Intensity(%)
m/z
b2−H2O
b2
b5−H2O
b4
y5
y6
b9−H2O
y8
y11

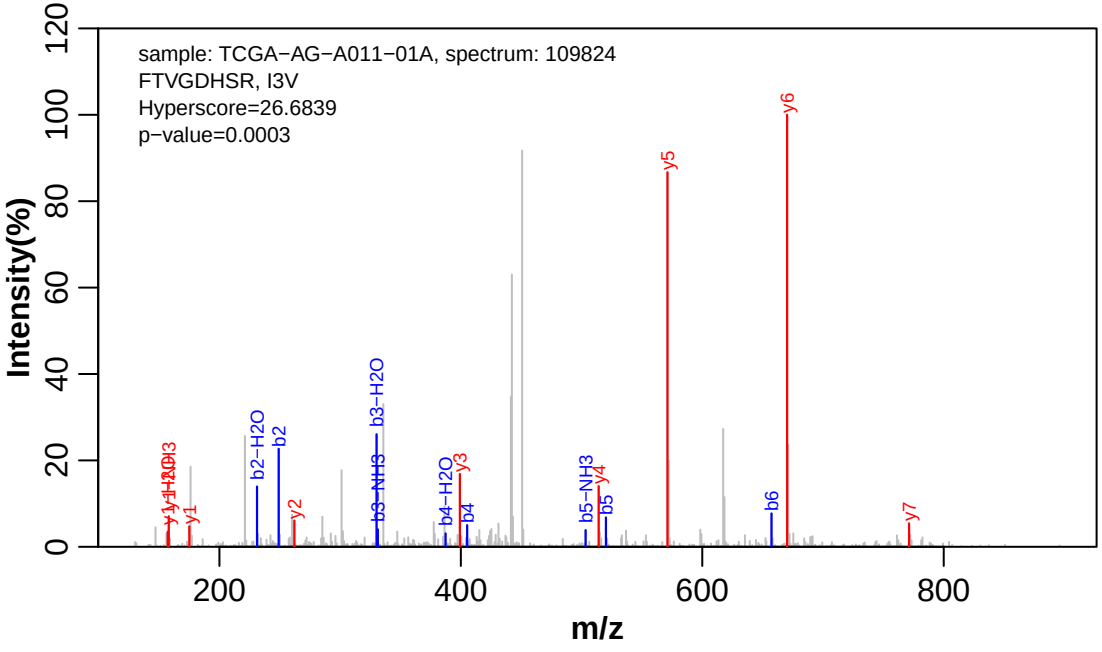

sample: TCGA−AG−A011−01A, spectrum: 17110
FGQDLLSPLLSVR, K13R
Hyperscore=33.0018
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5
y6
y7
y8
b7−H2O
b7
y9
b9
b10
y10

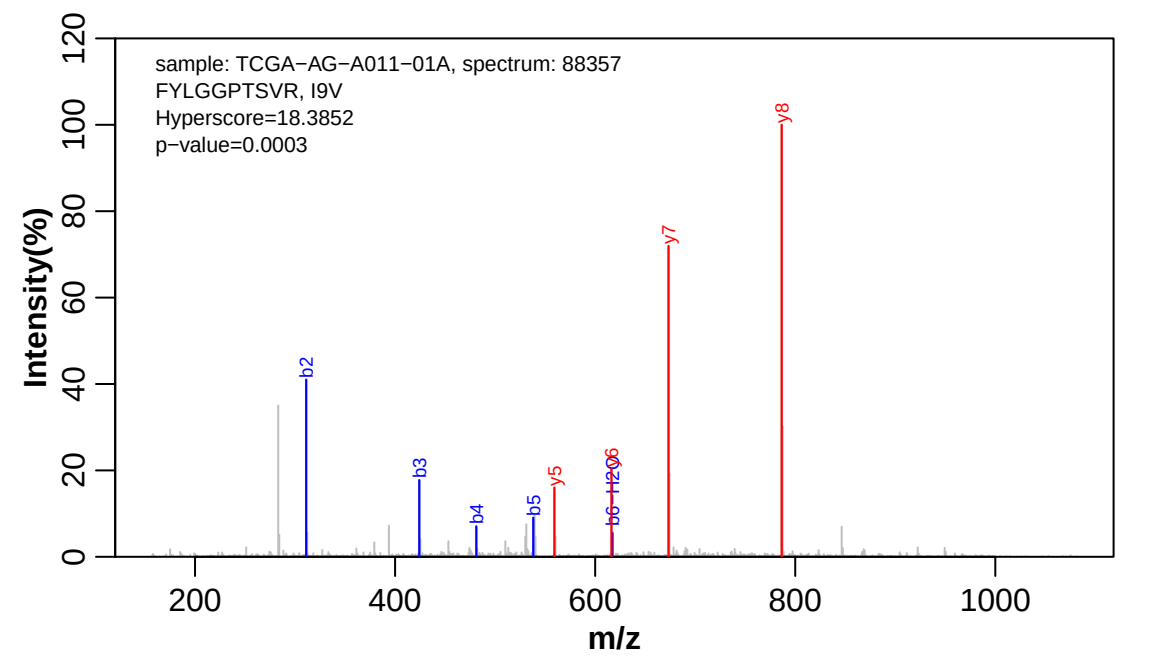

sample: TCGA−AG−A011−01A, spectrum: 69422
FLDKLPQQTGDR, H12R
Hyperscore=23.6181
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y3
b3
y7++
b7++
y8++
y4
b4−H2O
b4
y9++
y10++
y10++−NH3
y10++−H2O
y11++
b5
b7

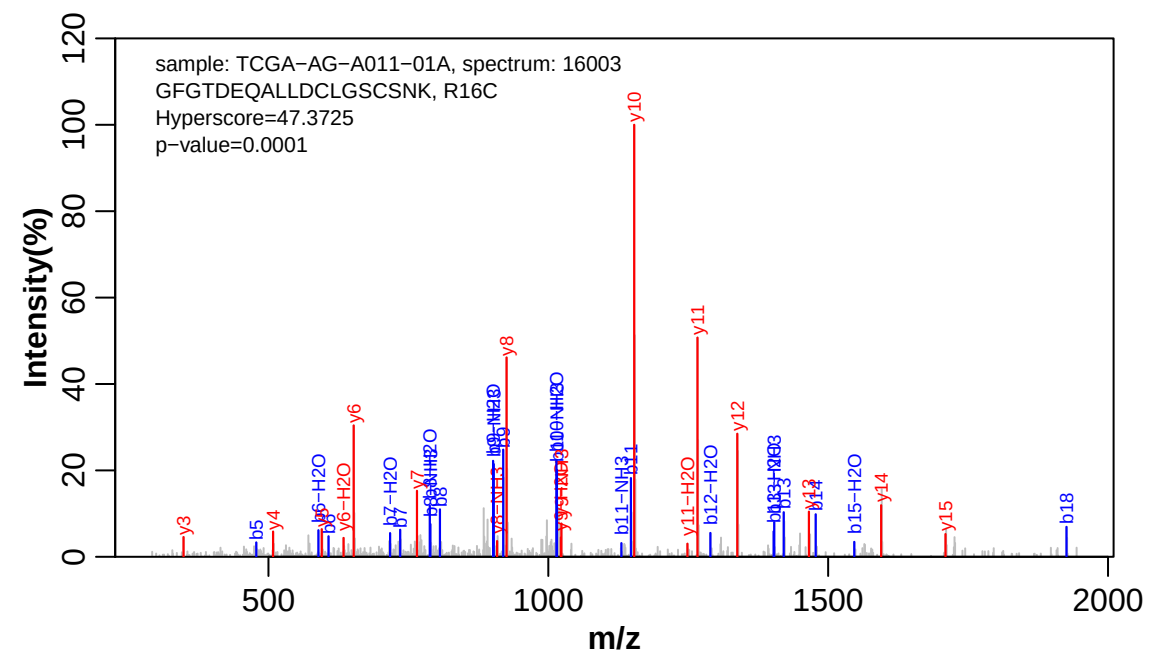

sample: TCGA−AG−A011−01A, spectrum: 81949
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=33.2097
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b2−NH3
b3−NH3
b3
y3−H2O
b4++−H2O
b4++−NH3
y4−NH3
b5
b11++
b6−NH3
y2++
y13++
y14++
y15++
y15++−NH3
y16++−H2O
y16++
y17++
y17++−H2O
y18++

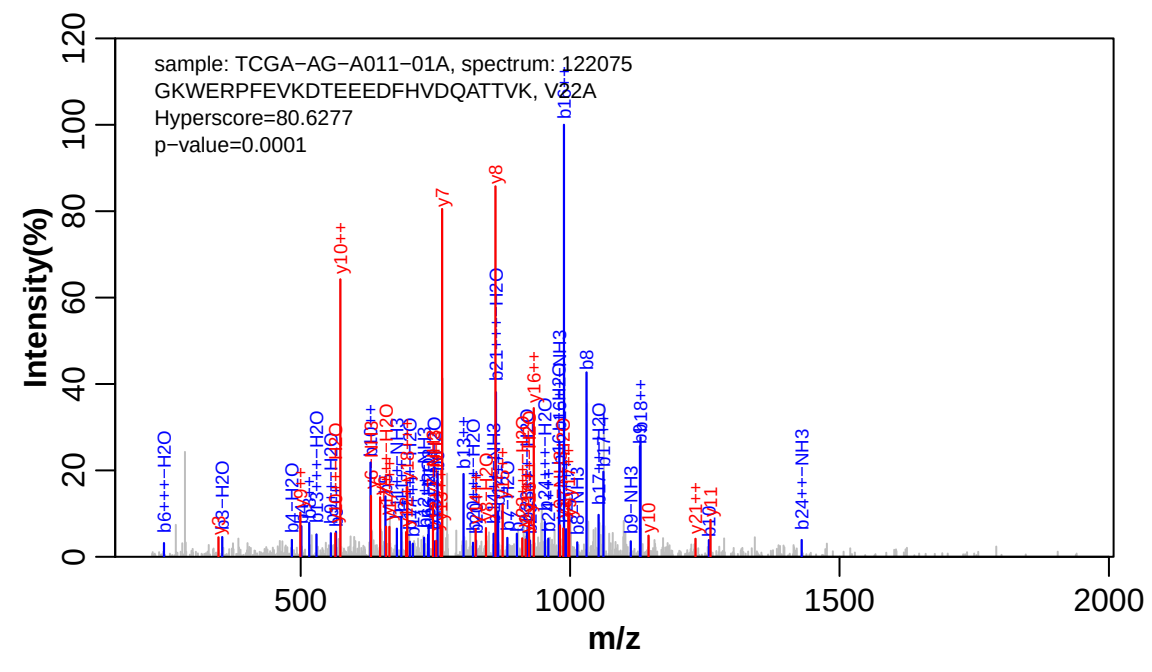

sample: TCGA−AG−A011−01A, spectrum: 27259
FSLDALLTNVLPFEK, I10V
Hyperscore=26.7851
p−value=0.0001
Intensity(%)
m/z
y4
y5
y6
b7
y8
b9
b10
b11
y10
b14

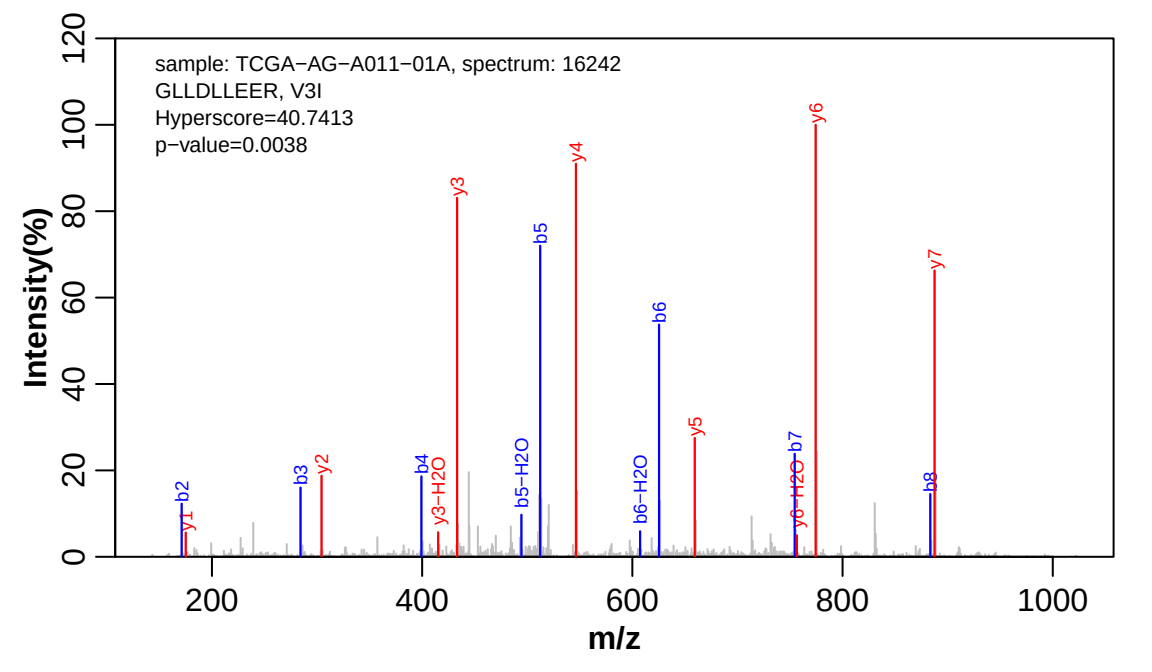

sample: TCGA−AG−A011−01A, spectrum: 89329
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=46.4280
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2−H2O
b2
b3−H2O
y3
b4++−H2O
b8++−H2O
y4++−H2O
y4
b9++−NH3
y5
y12++−H2O
b12++H2O
b6
y13++−H2O
y6
b14++
b15++−H2O
y15++
y8
y16++
b17++
y17++
y18++−NH3
y9
b19++
y10−NH3
y10
b9
y11
b10
b11−H2O
b11
b12−NH3
b12

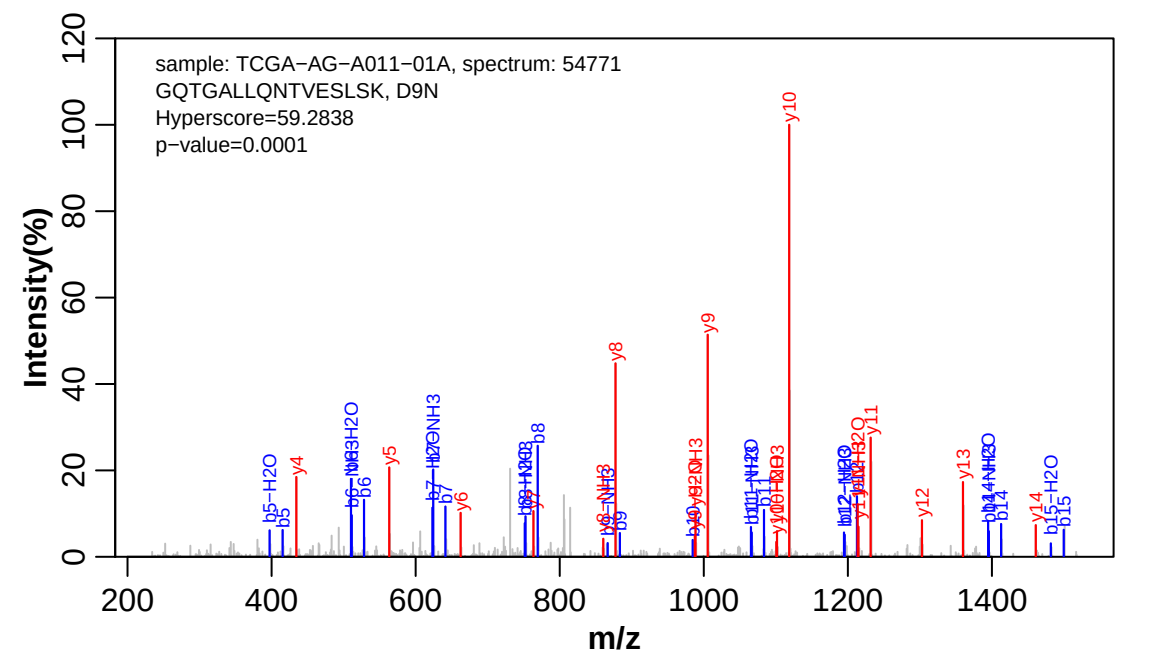

sample: TCGA−AG−A011−01A, spectrum: 109824
FTVGDHSR, I3V
Hyperscore=26.6839
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b2−H2O
b2
b3−NH3
b3−H2O
b4−H2O
y3
b4
b5−NH3
y4
b5
y5
b6
y6
y7

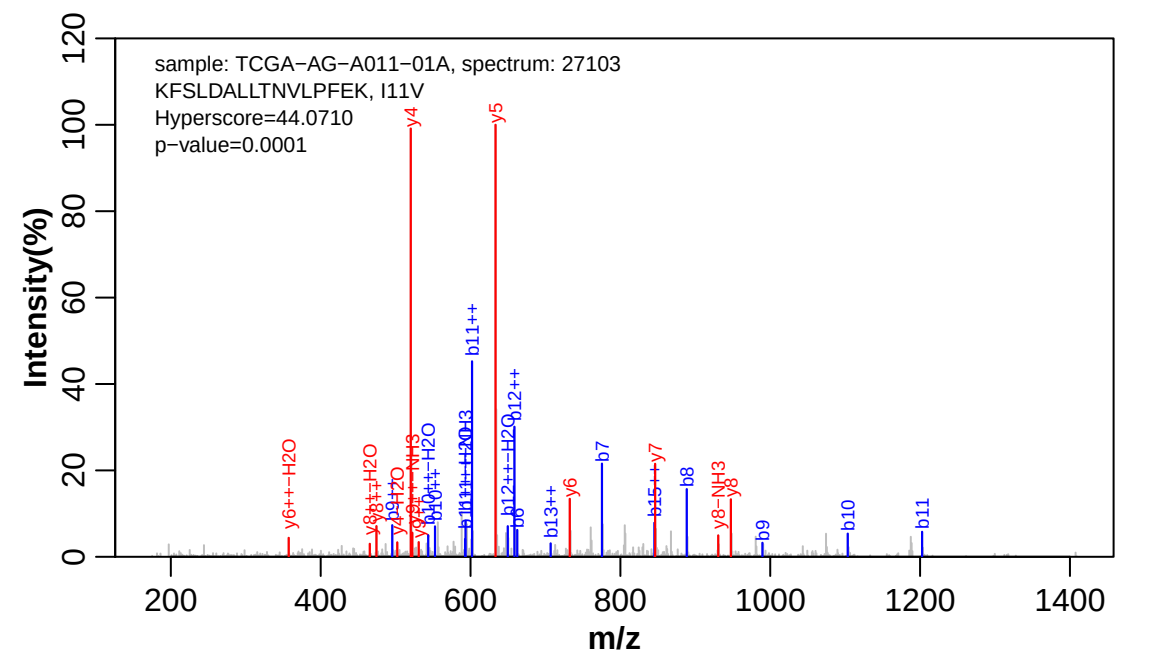

sample: TCGA−AG−A011−01A, spectrum: 88357
FYLGGPTSVR, I9V
Hyperscore=18.3852
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

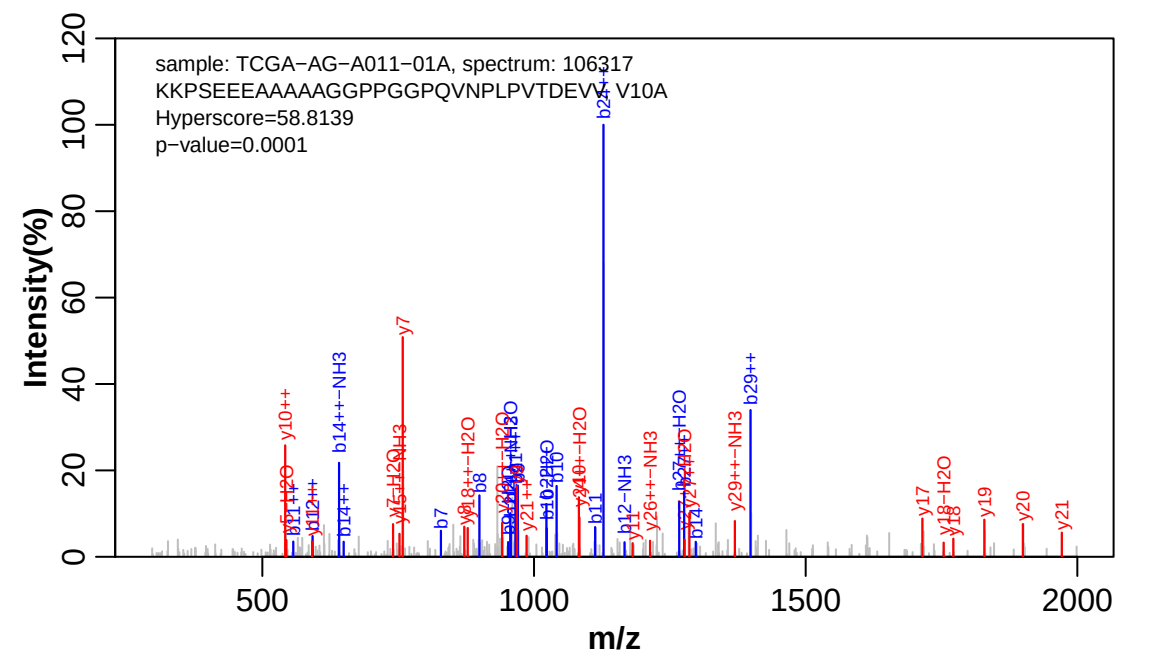

sample: TCGA−AG−A011−01A, spectrum: 16003
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=47.3725
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10
y11
y8
y6
y12
y14
y15
b18
y3
y4
b5
b11−NH3
y11−H2O
b12−H2O
b15−H2O
y6−H2O
b7−H2O

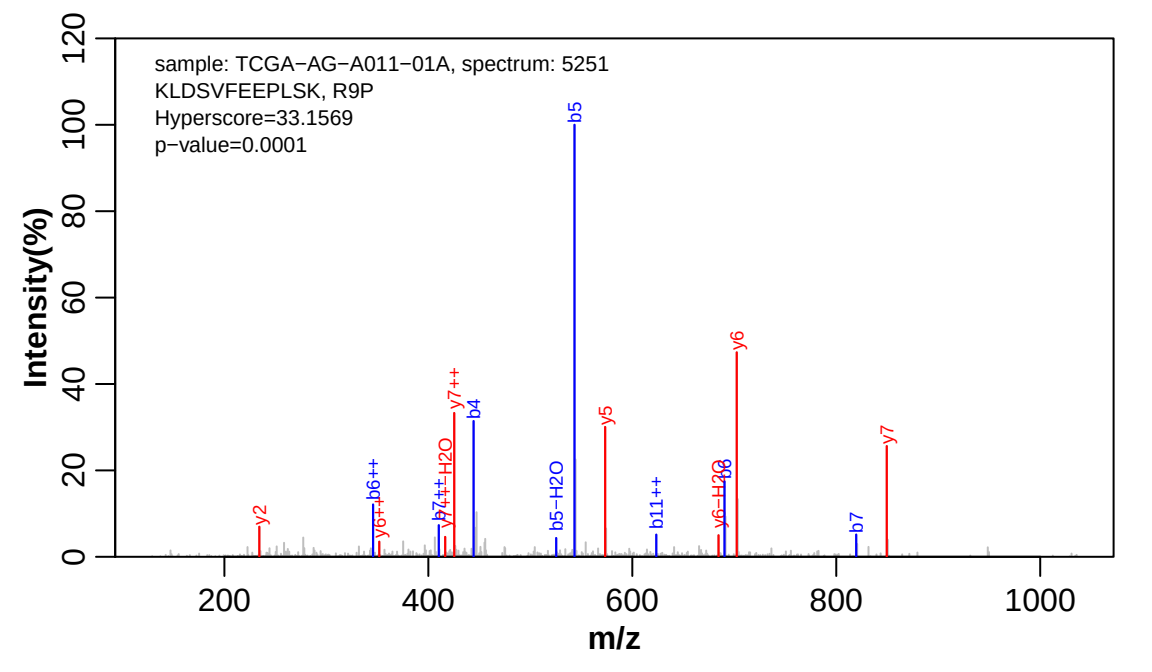

sample: TCGA−AG−A011−01A, spectrum: 122075
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=80.6277
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b6+++−H2O
y3−H2O
b4−H2O
y10++
y7
y8
b12++
b21+++−H2O
y16++
b8
b18++
b9−NH3
y10
y21++
b11++
b24++−NH3

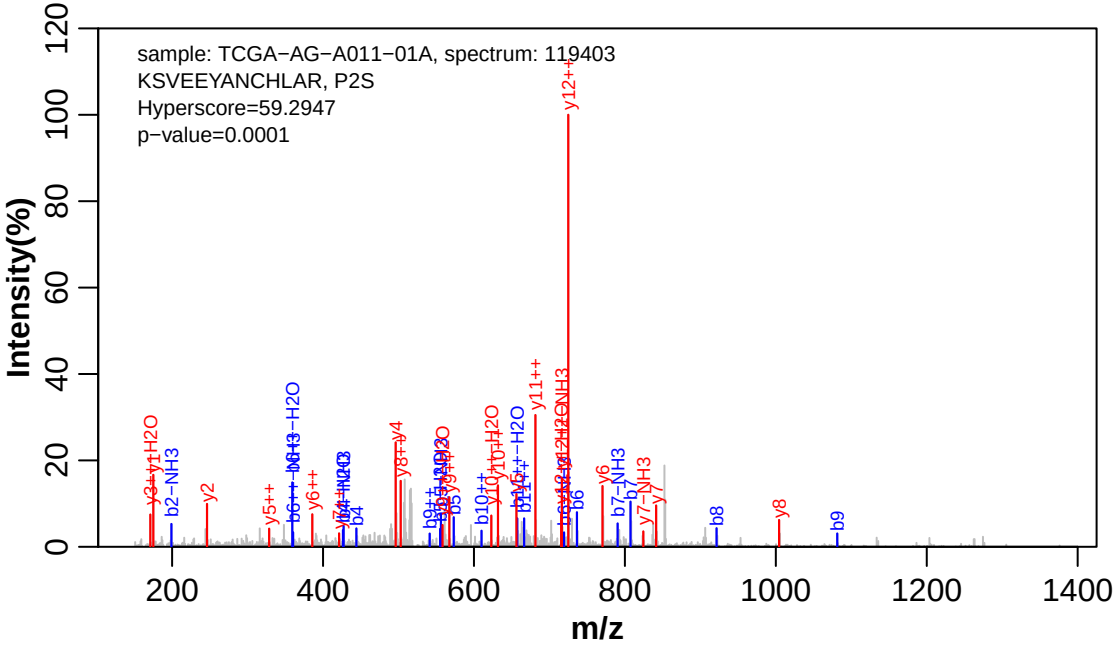

sample: TCGA−AG−A011−01A, spectrum: 16242
GLLDLLEER, V3I
Hyperscore=40.7413
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y2
b4
y3−H2O
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
y6−H2O
b7
y6
b8
y7

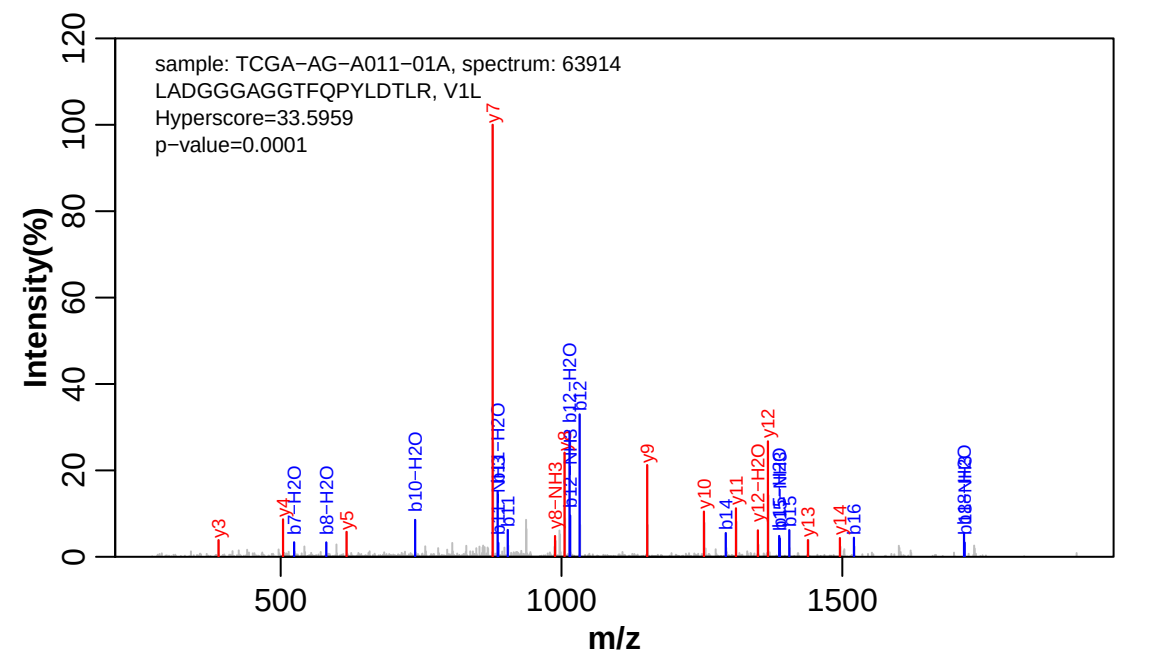

sample: TCGA−AG−A011−01A, spectrum: 54771
GQTGALLQNTVESLSK, D9N
Hyperscore=59.2838
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10
y9
y8
y11
y5
y4
y6
y12
y13
y14
b8
b5−H2O
b15−H2O

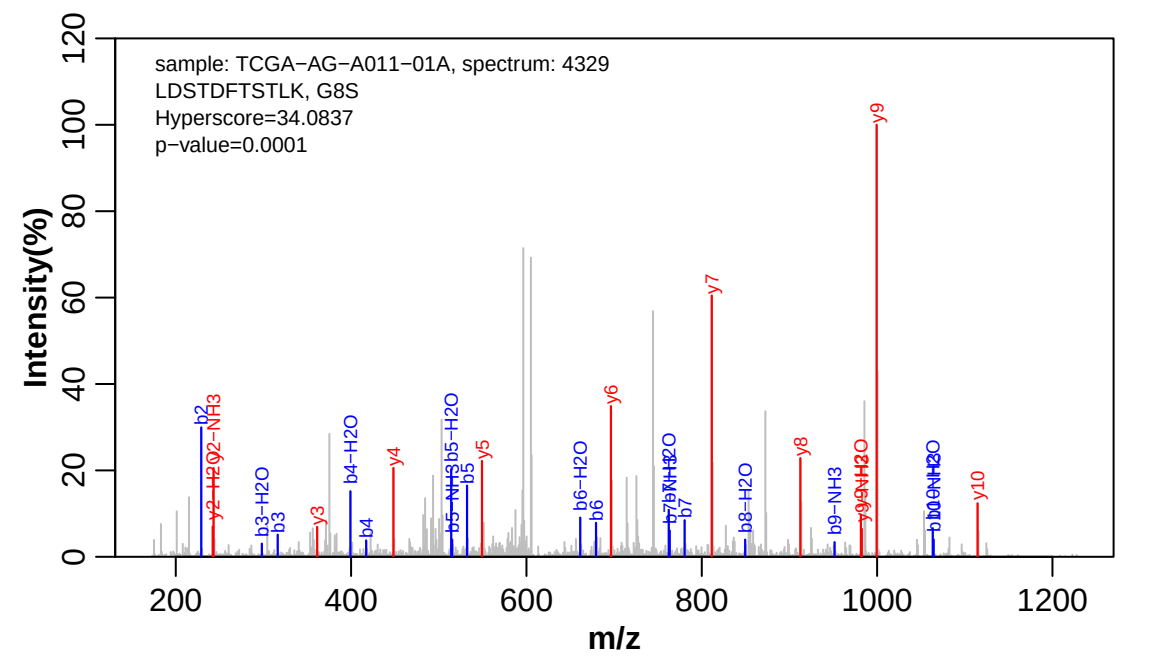

sample: TCGA−AG−A011−01A, spectrum: 27103
KFSLDALLTNVLPFEK, I11V
Hyperscore=44.0710
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
y5
y6++−H2O
y8++−H2O
y9++−H2O
y4++−NH3
y6++−NH3
y10++−H2O
b11++
b12++−H2O
b12++
b7
y6
b13++
b8
b15++
y7
y8−NH3
y8
b9
b10
b11

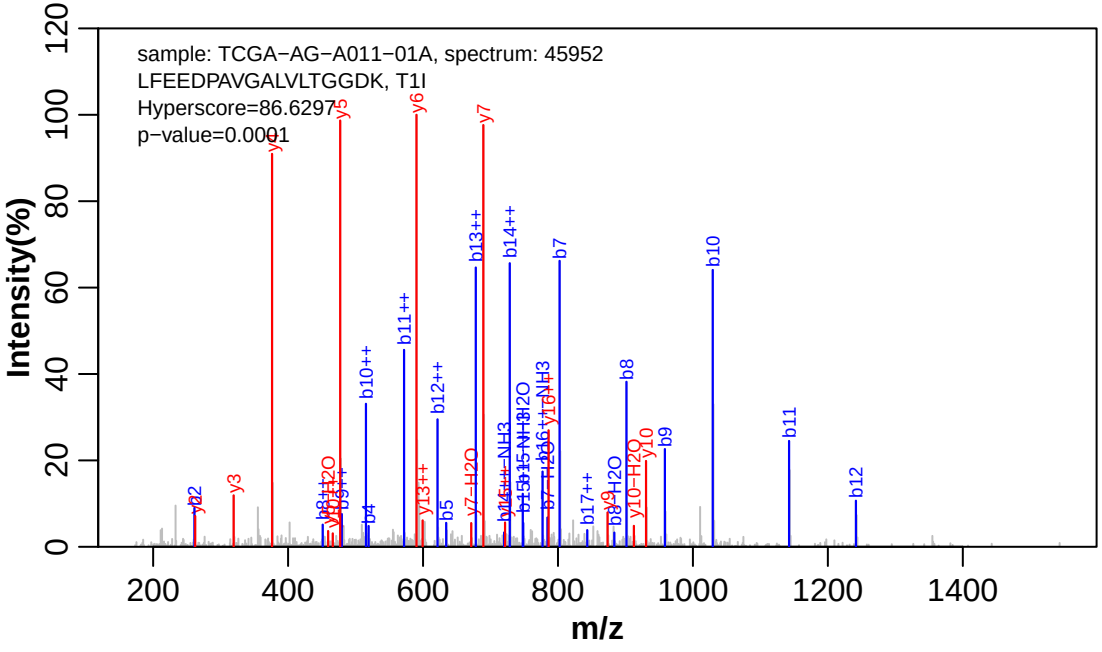

sample: TCGA−AG−A011−01A, spectrum: 106317
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV V10A
Hyperscore=58.8139
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
y7
y10++
b14++−NH3
b14++
b11++
y12++
y7−H2O
y7−NH3
b7
b8
y18++−H2O
y21++
b10
y10+−H2O
b11
b12−NH3
y11
y26++−NH3
b29++
y29++−NH3
y17
y18−H2O
y19
y20
y21

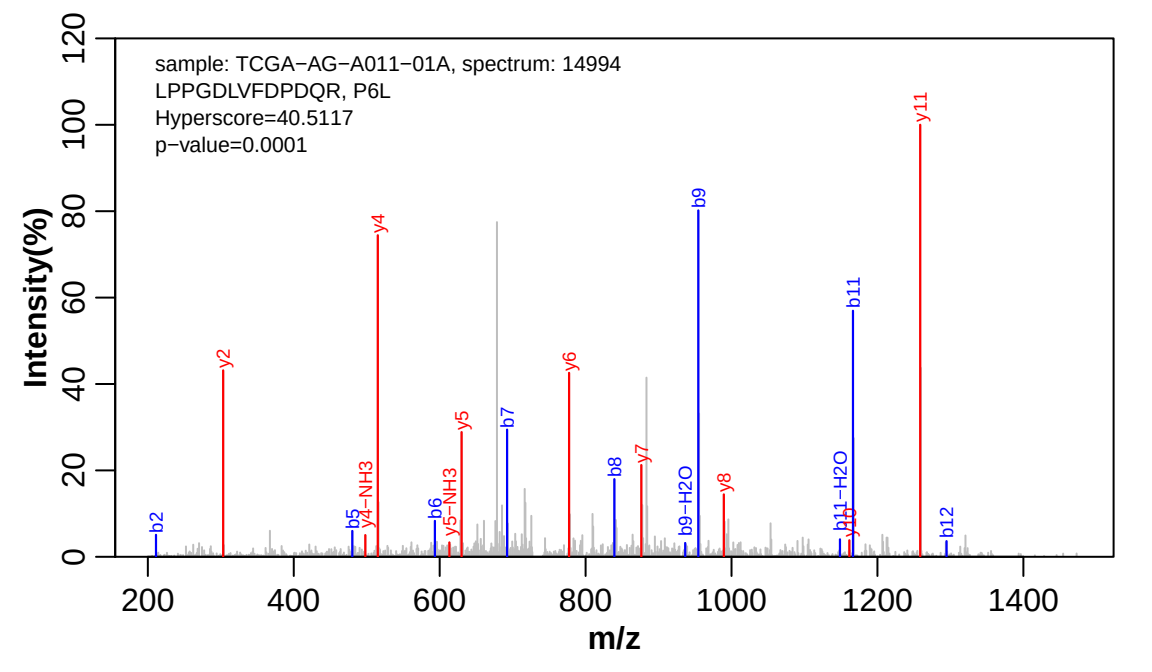

sample: TCGA−AG−A011−01A, spectrum: 5251
KLDSVFEEPLSK, R9P
Hyperscore=33.1569
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y2
b6++
y6++
b7++
y7++ H2O
y7++
b4
b5
b5−H2O
y5
b11++
y6−H2O
y6
b8
b7
y7

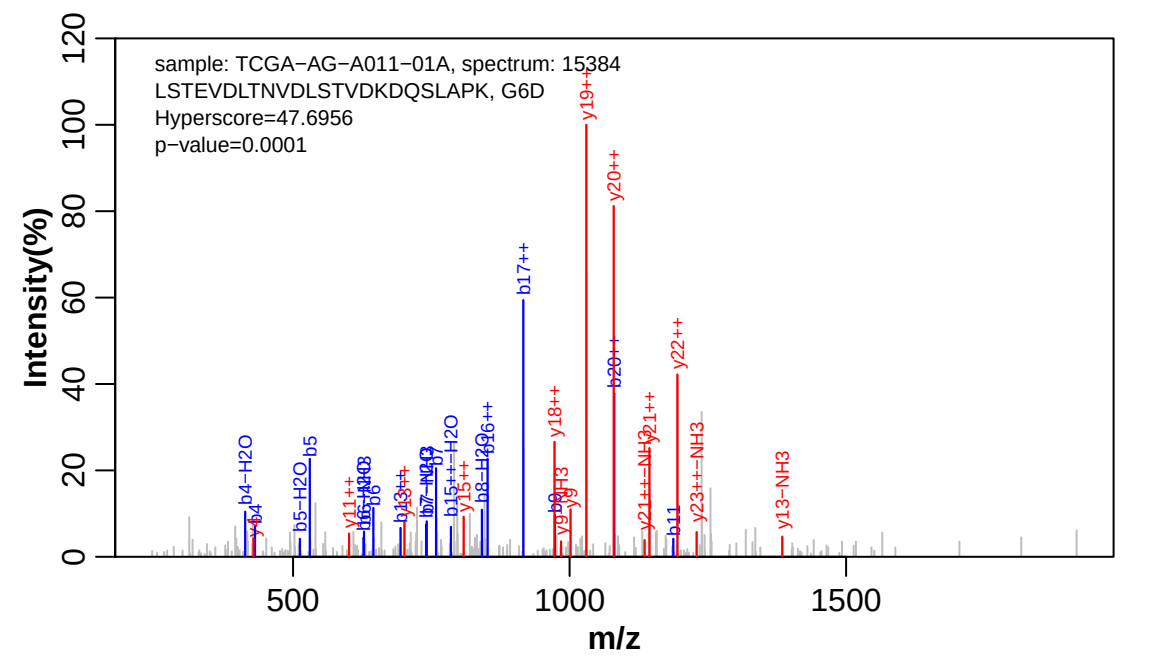

sample: TCGA−AG−A011−01A, spectrum: 119403
KSVEEYANCHLAR, P2S
Hyperscore=59.2947
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y12++
y11++
y8−y4
y6
y8
b9
b8
b7−NH3
y7−NH3
y5++
y2
b2−NH3
y3++y1H2O
b6++−H2O
y6++
b4
b10++
b6
b7
y7
y10++−H2O
b10++−H2O

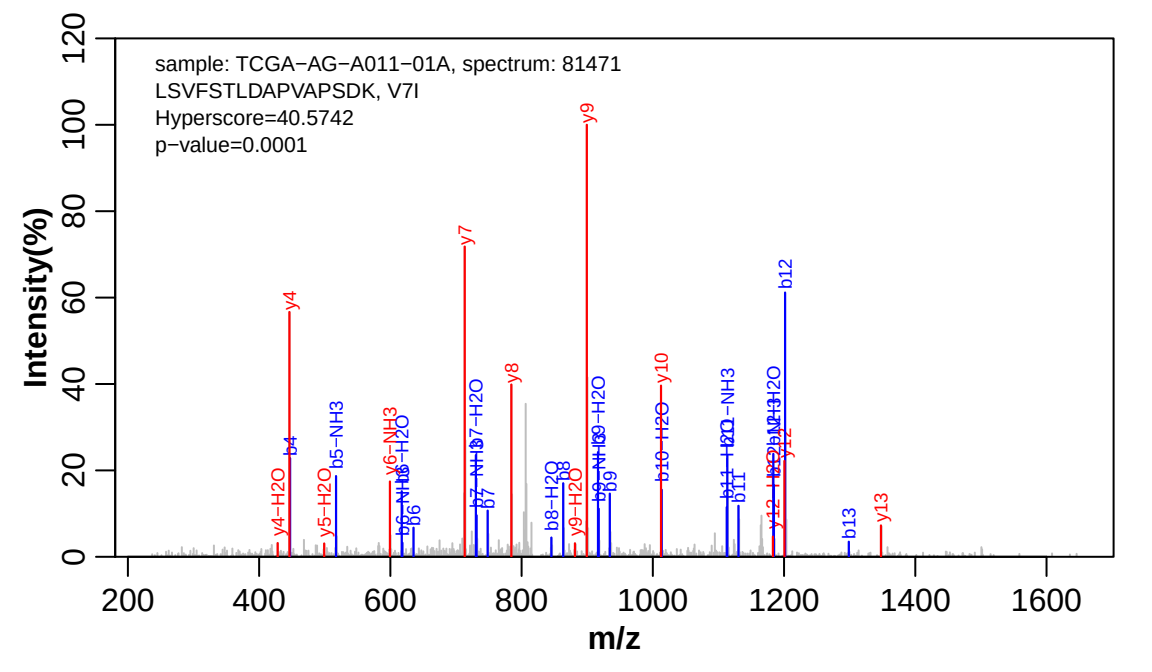

sample: TCGA−AG−A011−01A, spectrum: 63914
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=33.5959
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y3
y4
b7−H2O
b8−H2O
y5
b10−H2O
b11−H2O
y8−NH3
b12−NH3
b12−H2O
y9
y10
b14
y11
y12−H2O
y12
y13
y14
b16

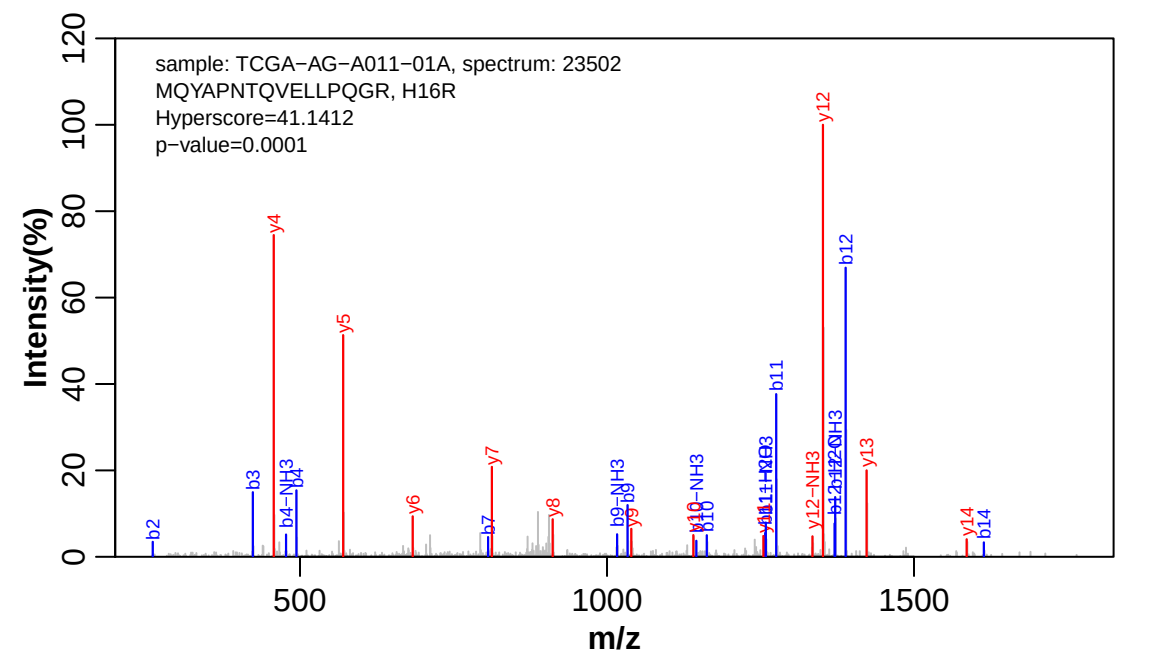

sample: TCGA−AG−A011−01A, spectrum: 4329
LDSTDFTSTLK, G8S
Hyperscore=34.0837
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−H2O
y2−NH3
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
b8−H2O
y8
b9−NH3
y9−NH3
y9−H2O
y9
b10−NH3
b10−H2O
y10

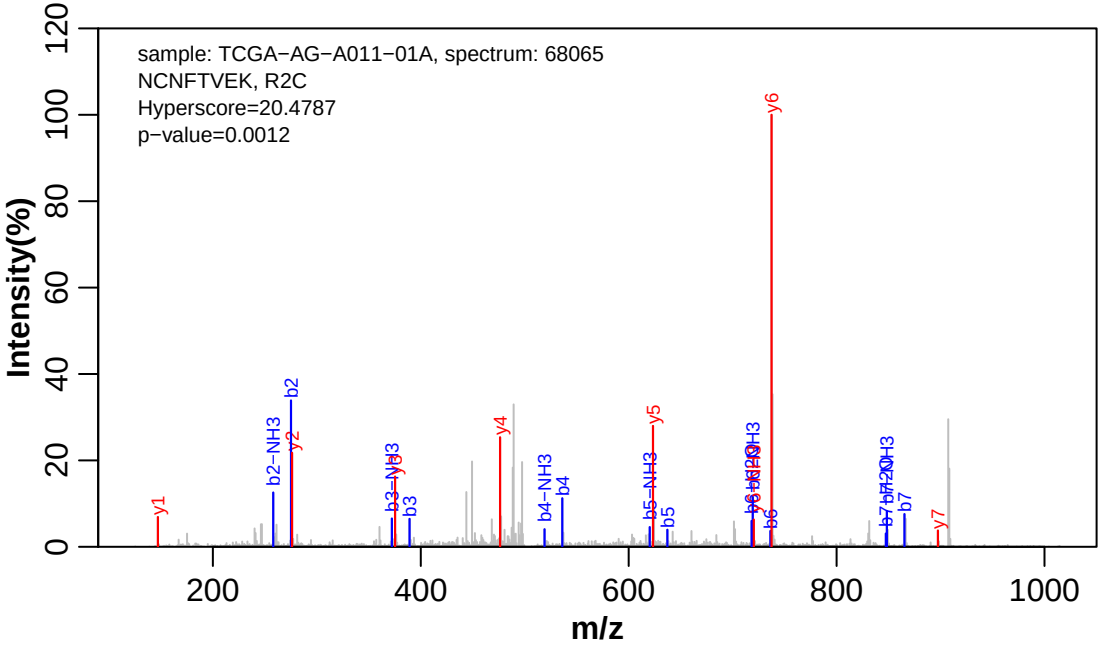

sample: TCGA−AG−A011−01A, spectrum: 45952
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=86.6297
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y1
y2
y3
y5
y6
y7
b10++
b11++
b12++
b13++
b14++
b7
b10
b8
b11
b12
b9
y10
y13++
b5
b4
y7−H2O
b17++
y10−H2O

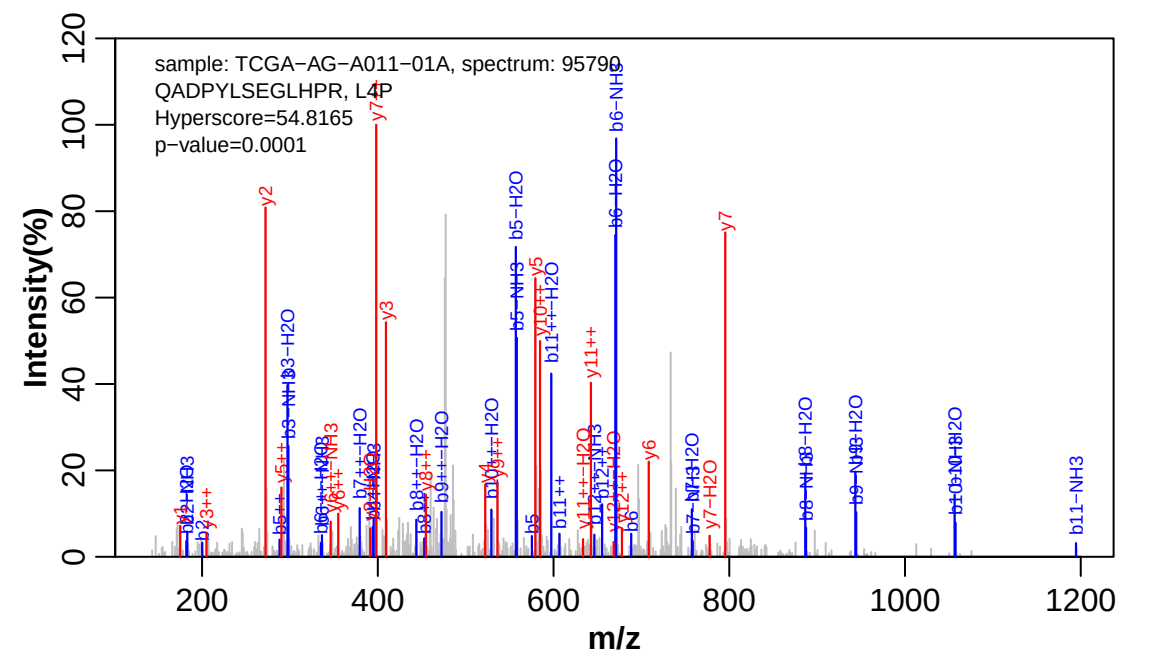

sample: TCGA−AG−A011−01A, spectrum: 14994
LPPGDLVFDPDQR, P6L
Hyperscore=40.5117
p−value=0.0001
Intensity(%)
m/z
b2
y2
y4
b5
y4−NH3
b6
y5−NH3
y5
b7
y6
b8
y7
b9
b9−H2O
y8
b11
b11−H2O
y10
y11
b12

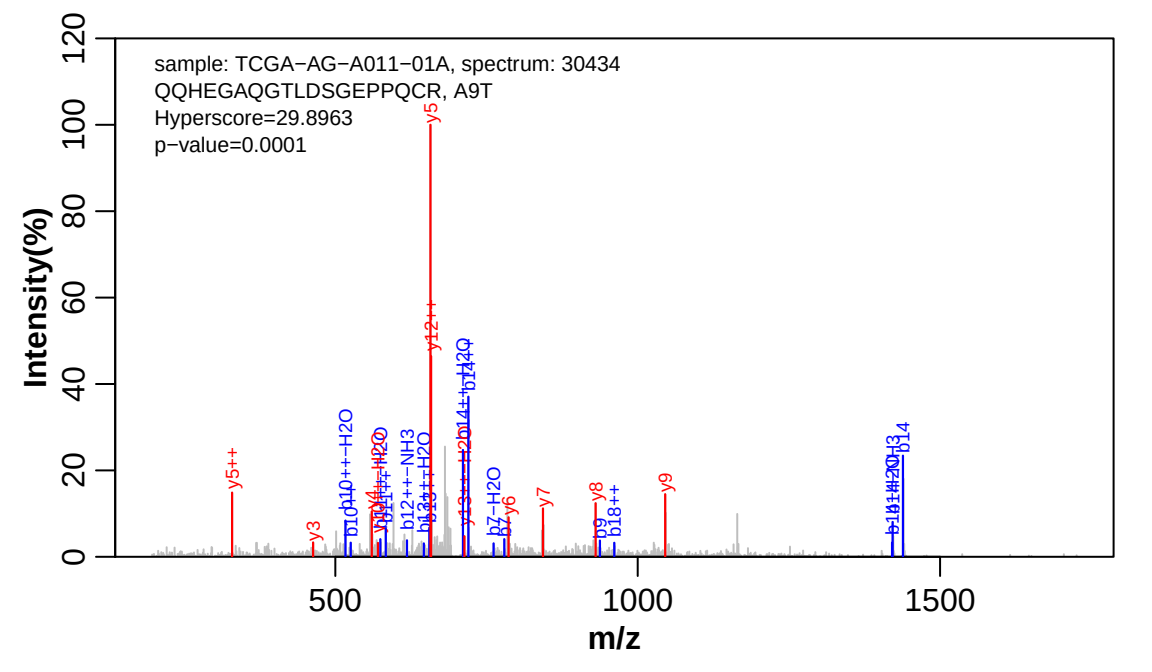

sample: TCGA−AG−A011−01A, spectrum: 15384
LSTEVDLTNVDLSTVDKDQSLAPK, G6D
Hyperscore=47.6956
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y19++
y20++
b17++
b20++
y22++
y18++
y21++
y21++−NH3
y23++−NH3
y13−NH3
b11
b16++
b15++−H2O
y15++
b8−H2O
b5−H2O
b5
b4−H2O
y11++
b13++
y9−NH3
y9
b9

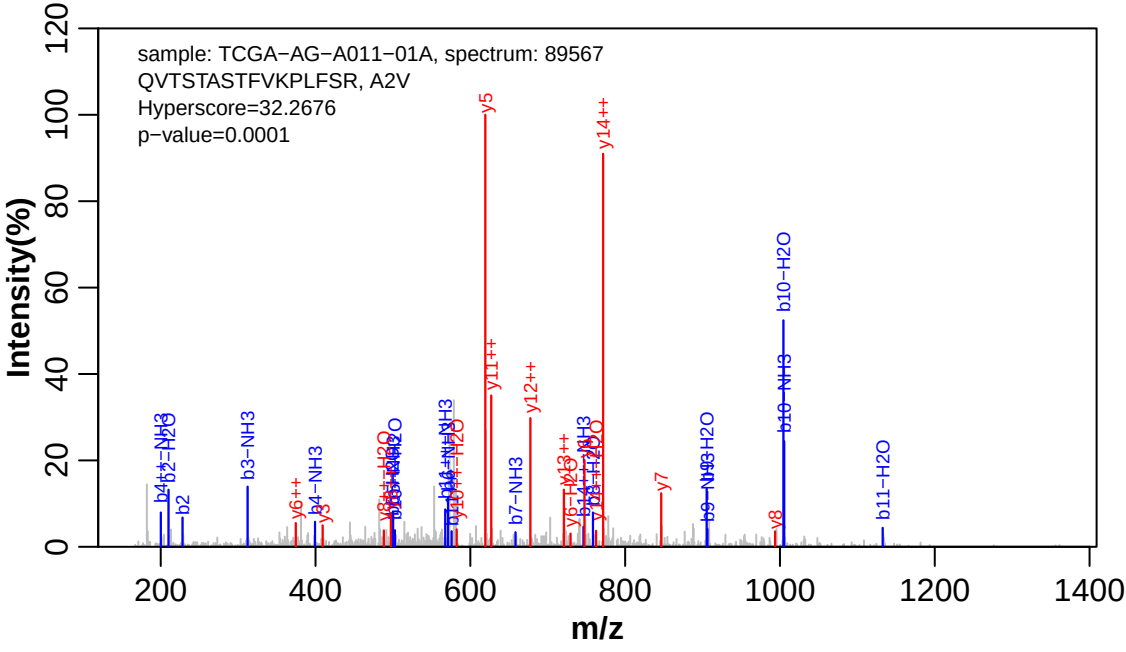

sample: TCGA−AG−A011−01A, spectrum: 81471
LSVFSTLDAPVAPSDK, V7I
Hyperscore=40.5742
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y7
y4
y8
b12
y10
b5−NH3
y6−NH3
y4−H2O
y5−H2O
b4
b5
b6
b7
b8
b8−H2O
y9−H2O
b9
b10−H2O
b11−NH3
b11
b13
y13

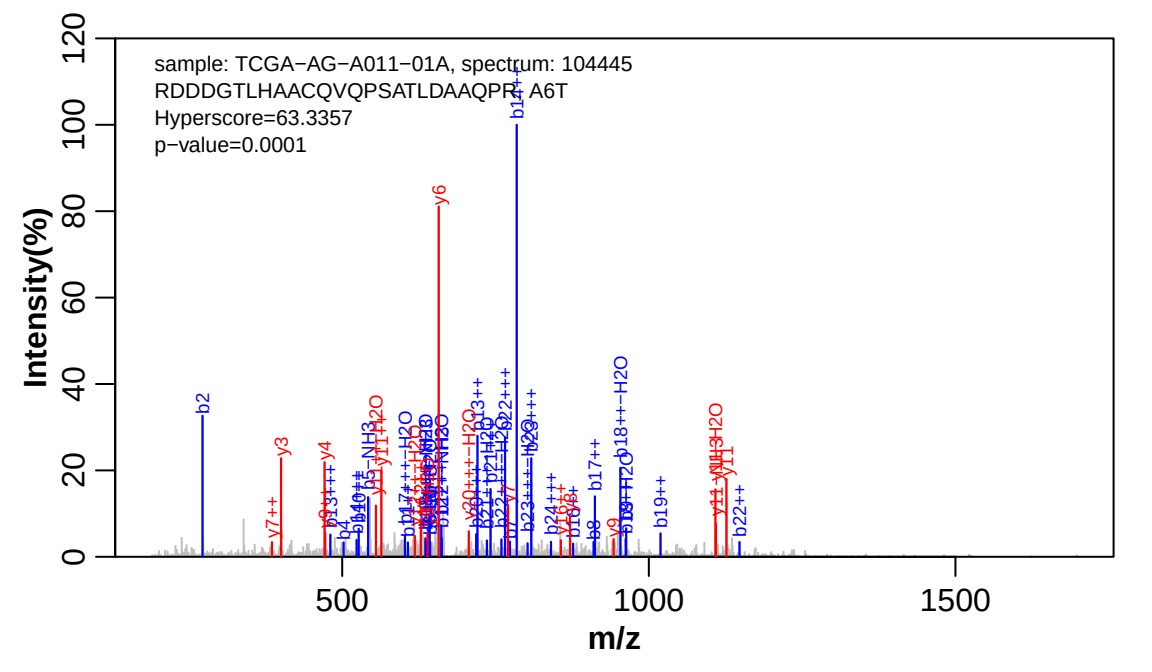

sample: TCGA−AG−A011−01A, spectrum: 23502
MQYAPNTQVELLPQGR, H16R
Hyperscore=41.1412
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b4−NH3
b4
y4
y5
y6
y7
b7
y8
b9−NH3
b9
y9
b10−NH3
b10
b11
y12−NH3
y12
b12
y13
y14
b14

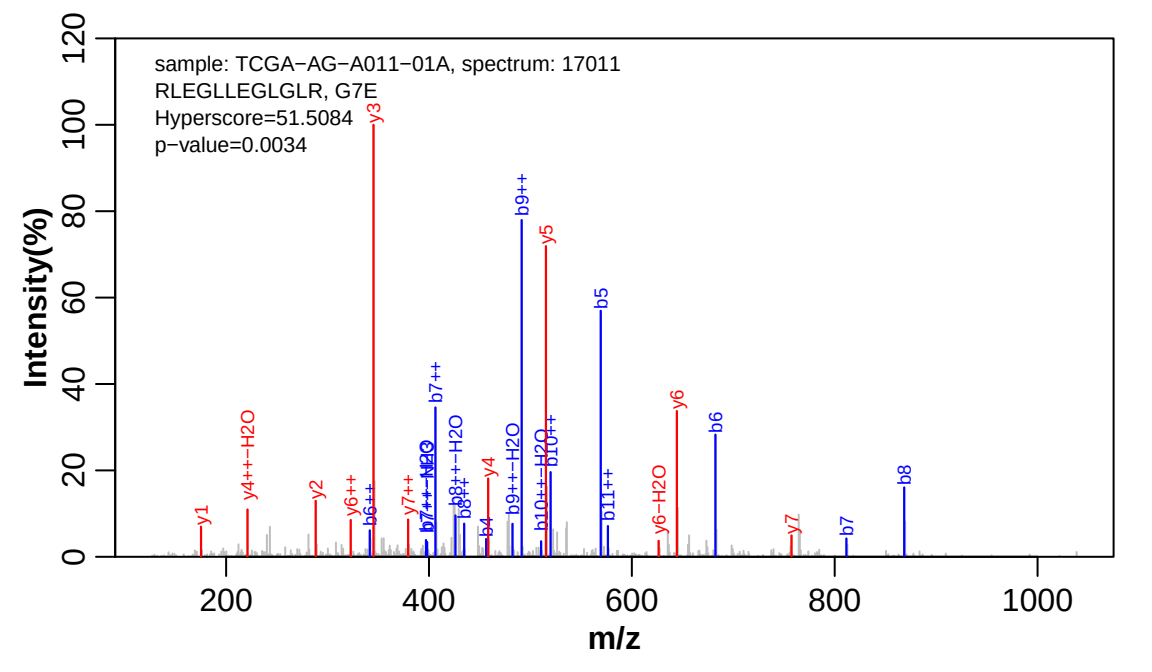

sample: TCGA−AG−A011−01A, spectrum: 68065
NCNFTVEK, R2C
Hyperscore=20.4787
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b2−NH3
y2
b3−NH3
y3
b3
y4
b4−NH3
b4
y5
b5−NH3
b5
b6
y6
b7
y7

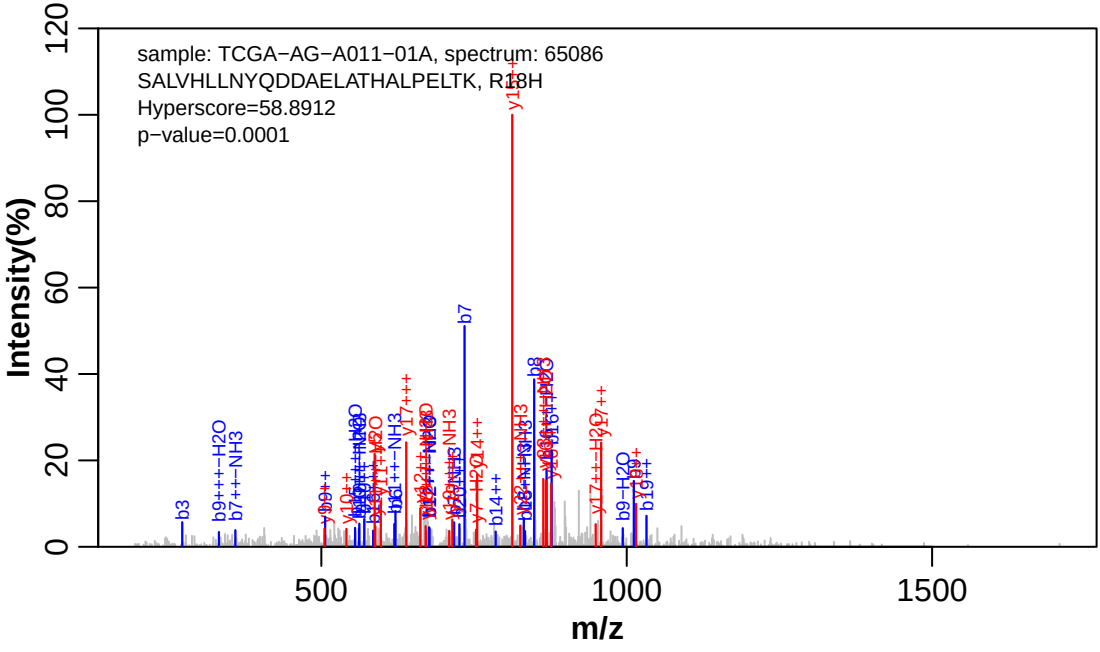

sample: TCGA−AG−A011−01A, spectrum: 95790
QADPYLSEGLHPR, L4P
Hyperscore=54.8165
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y7
b6−NH3
b6−H2O
y7
b5−H2O
b5−NH3
y5
y10++
b11++−H2O
y3
b3−H2O
b3−NH3
y11++
y6
b11++
b5
b11−NH3

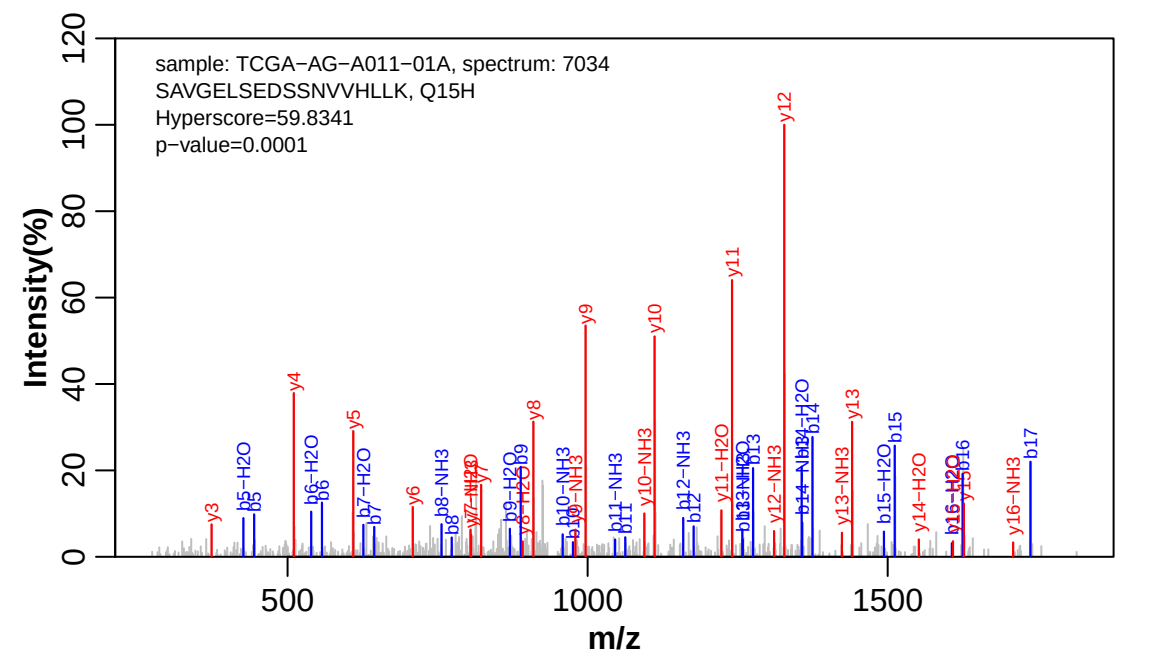

sample: TCGA−AG−A011−01A, spectrum: 30434
QQHEGAQGTLDSGEPPQCR, A9T
Hyperscore=29.8963
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
y12++
y5++
y3
y7
y6
y8
y9
b18++
b14
b7−H2O
b10++−H2O
b12++−NH3
b12++−H2O

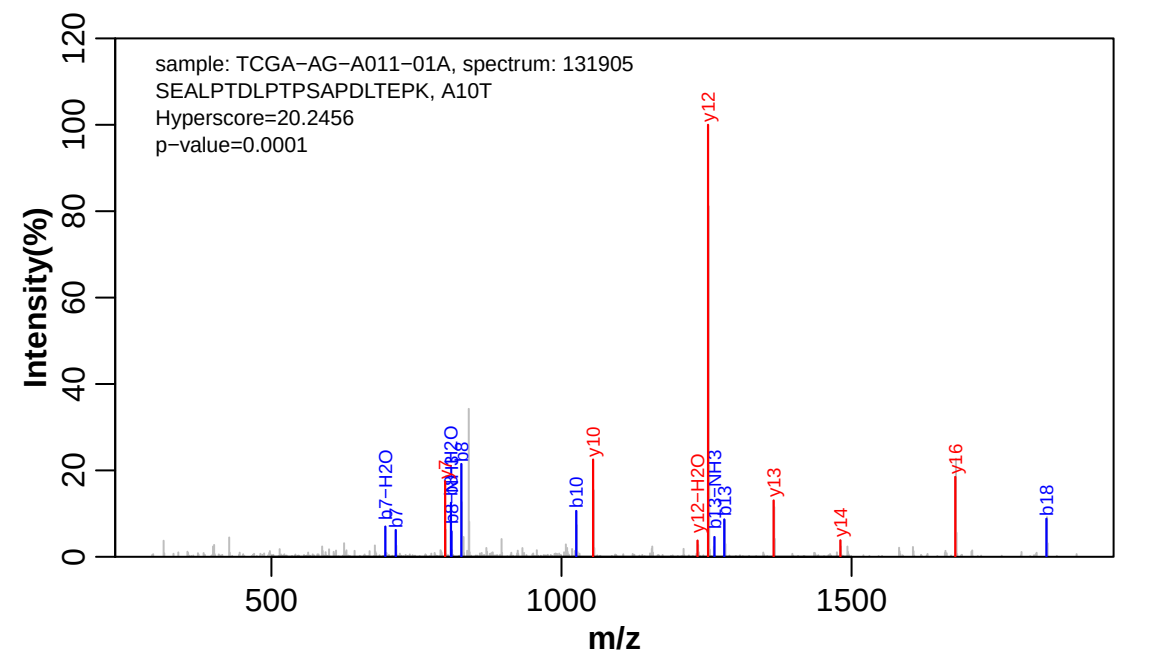

sample: TCGA−AG−A011−01A, spectrum: 89567
QVTSTASTFVKPLFSR, A2V
Hyperscore=32.2676
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y14++
y11++
y12++
b10−H2O
b10−NH3
b3−NH3
b4−NH3
y6++
b7−NH3
y7
b9−NH3
b11−H2O
y8
b2
y3

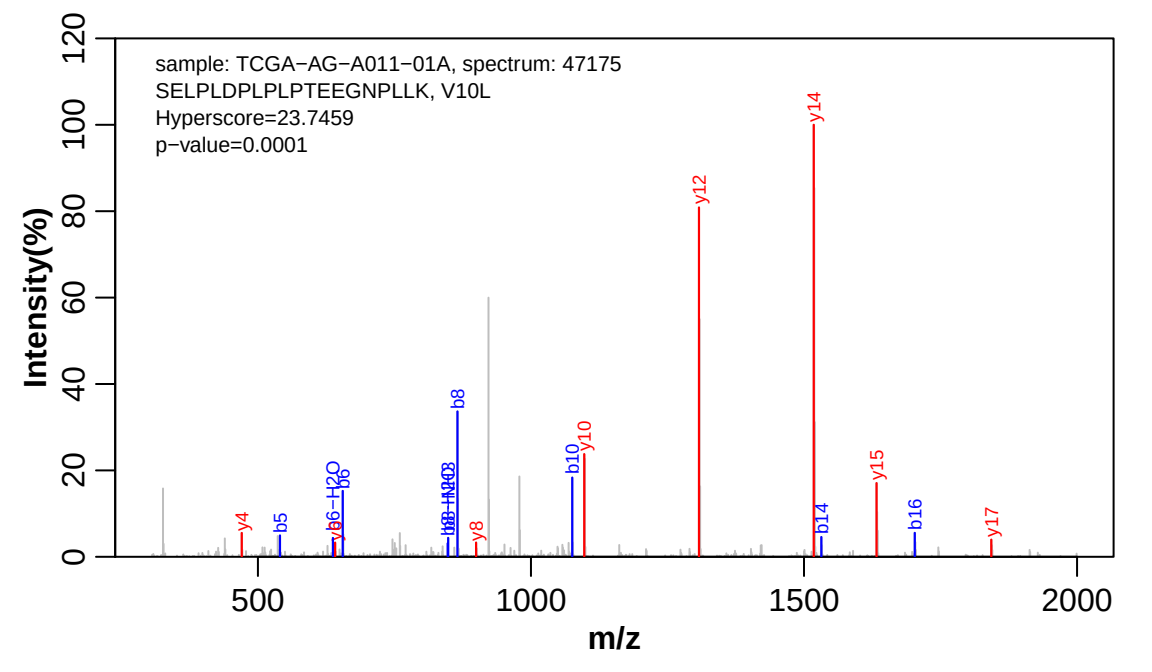

sample: TCGA−AG−A011−01A, spectrum: 104445
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=63.3357
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y4
y6
b14++
b17++
b18++−H2O
b19++
b22++
y11

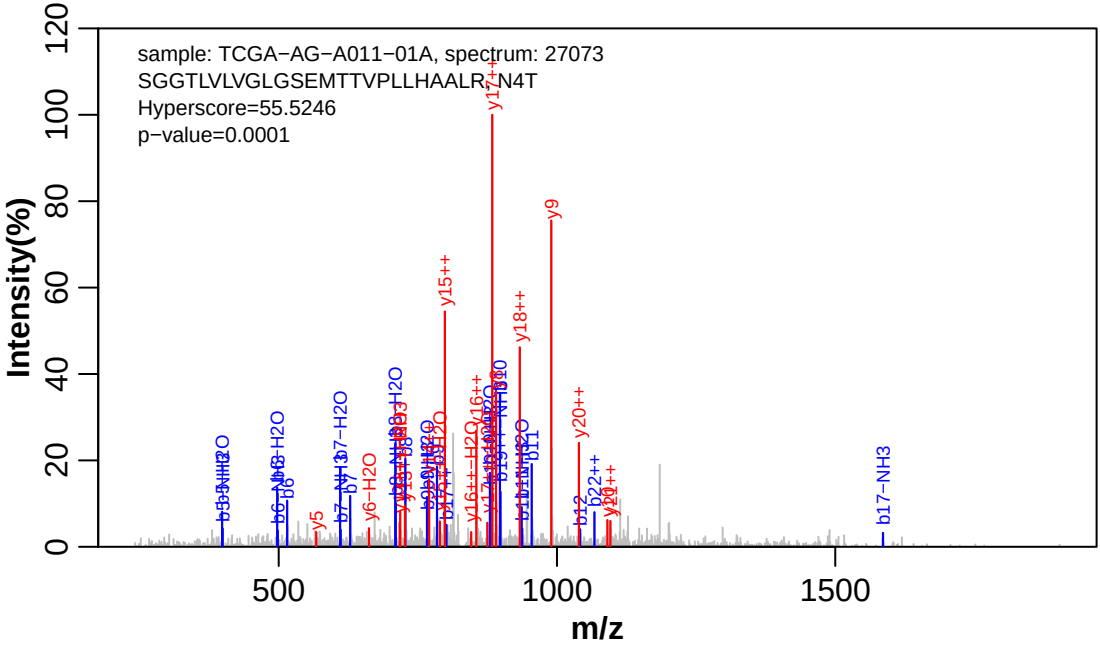

sample: TCGA−AG−A011−01A, spectrum: 17011
RLEGLLEGLGLR, G7E
Hyperscore=51.5084
p−value=0.0034
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
y4++−H2O
y2
y6++
b6++
y3
y7++
b7++
b8++−H2O
b8++
y4
b4
b9++
b9++−H2O
b10++−H2O
b10++
y5
b5
b11++
y6−H2O
y6
b6
y7
b7
b8

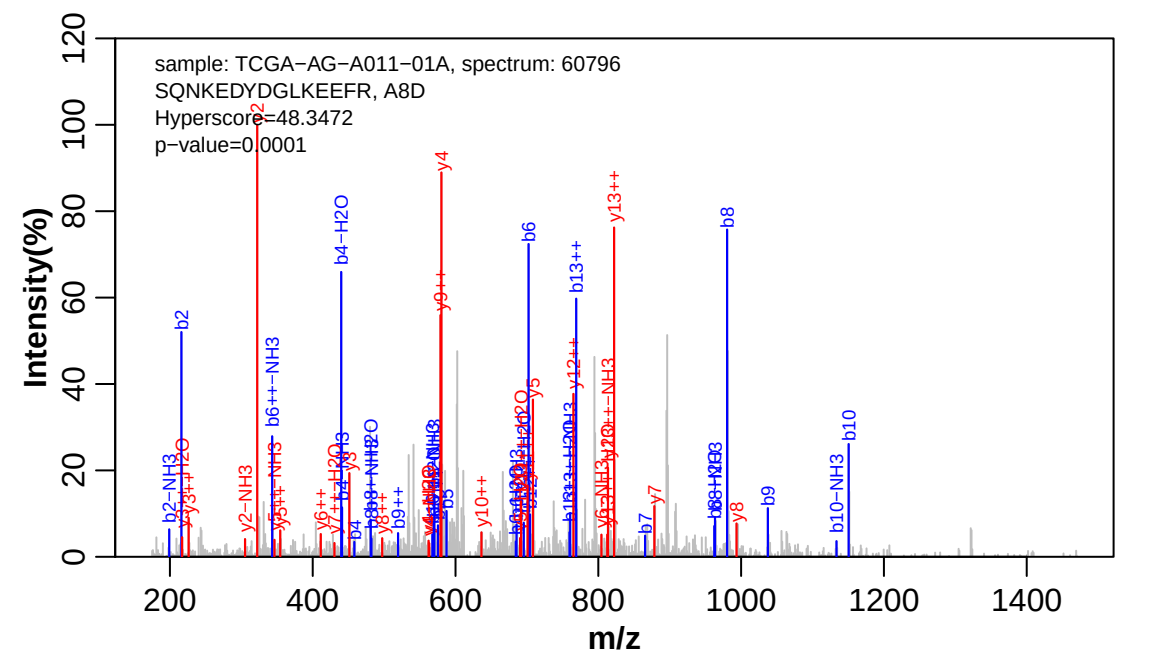

sample: TCGA−AG−A011−01A, spectrum: 65086
SALVHLLNYQDDAELATHALPELTK, R18H
Hyperscore=58.8912
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y18++
b7
y17+++
b9+++−H2O
b7+++−NH3
b3
y9++
y10++
y7−H2O14++
b14++
y17++−H2O
b9−H2O
b19++

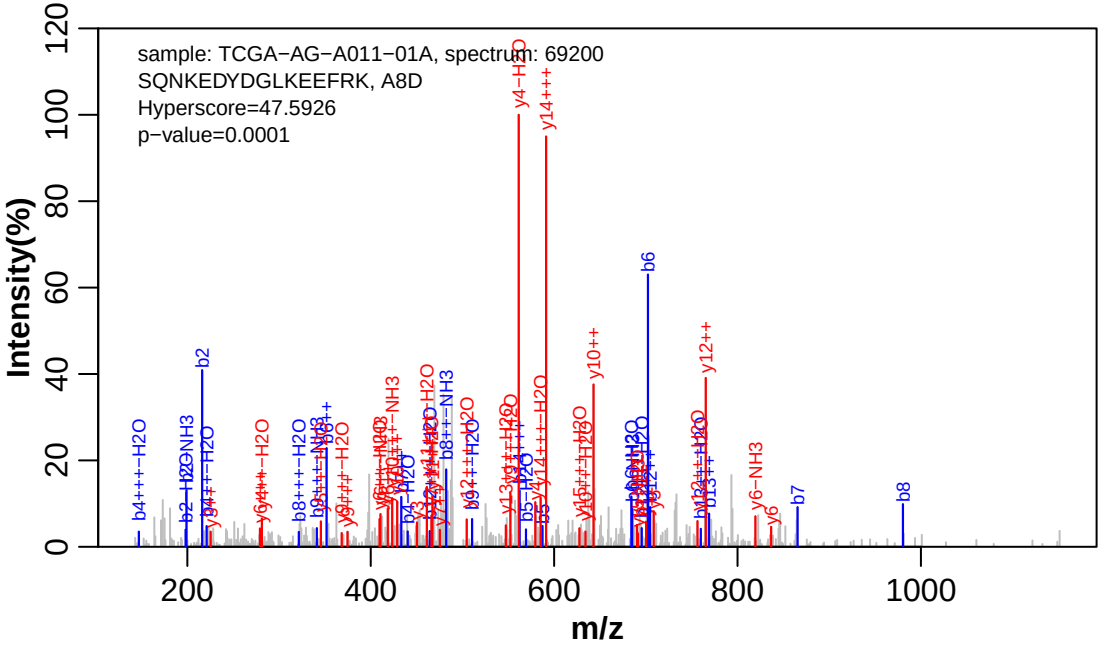

sample: TCGA−AG−A011−01A, spectrum: 7034
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=59.8341
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
b7−H2O
b7
y6
b8−NH3
b8
y7
y7−NH3
b9−H2O
b9
y8
b10−NH3
b10−NH3
y9
b11−NH3
b11
y10−NH3
y10
b12−NH3
b12
y11−H2O
y11
b13−NH3
b13
y12−NH3
y12
b14−NH3−H2O
b14
y13−NH3
y13
b15−H2O
b15
y14−H2O
b16−H2O
y15
y16
y16−NH3
b17

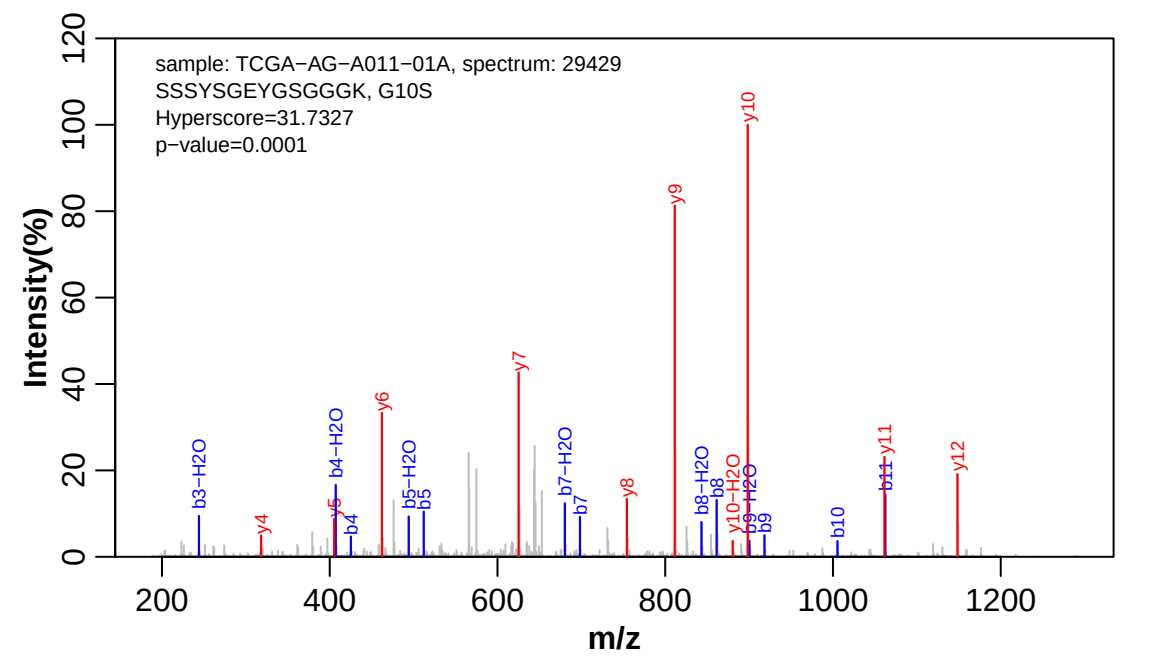

sample: TCGA−AG−A011−01A, spectrum: 131905
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=20.2456
p−value=0.0001
Intensity(%)
m/z
y12
y10
y16
b18
y13
y14
b10
b7−H2O
b7
b8−H2O
b8
y12−H2O
b13−NH3
b13

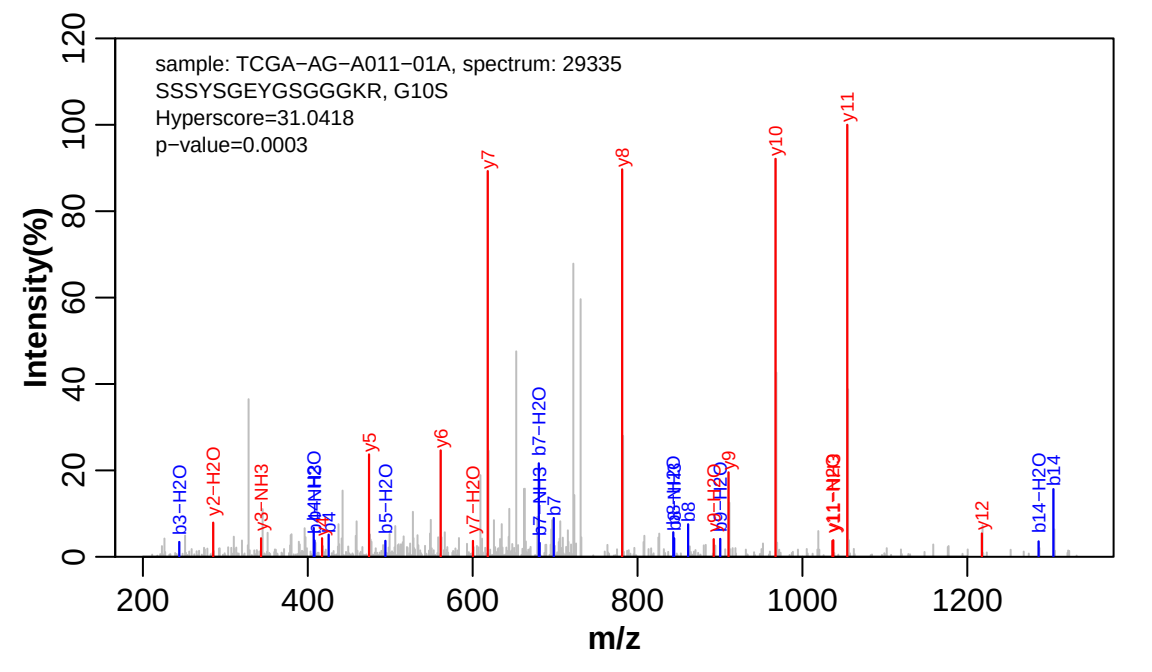

sample: TCGA−AG−A011−01A, spectrum: 47175
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=23.7459
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
b5
b6−H2O
b6
b8
y8
b10
y10
y12
y14
b14
y15
b16
y17

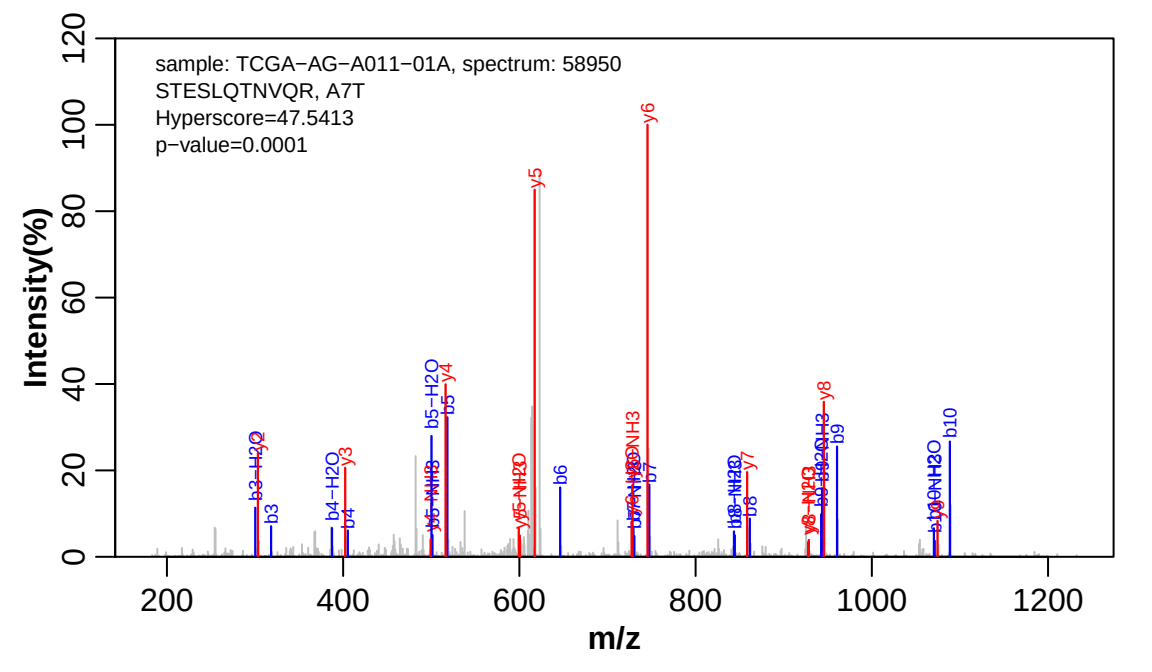

sample: TCGA−AG−A011−01A, spectrum: 27073
SGGTLVLVGLGSEMTTVPLLHAALRLN4T
Hyperscore=55.5246
p−value=0.0001
Intensity(%)
m/z
y17++
y9
y15++
y18++
y20++
b17−NH3
y6−H2O
y5
b7−NH3
b7−H2O
b8−H2O
b6−NH3
b12
b22++
y21++
0
20
40
60
80
100
120
500
1000
1500

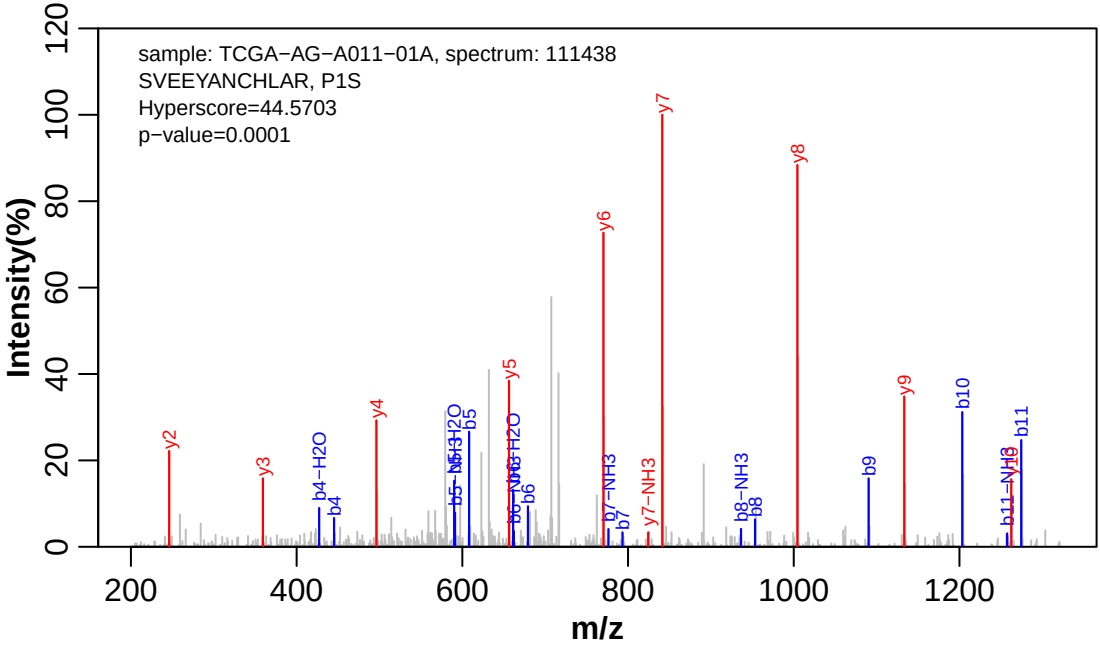

sample: TCGA−AG−A011−01A, spectrum: 60796
SQNKEDYDGLKEEFR, A8D
Hyperscore=48.3472
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
y4
b4−H2O
b6
y9++
y13++
b8
b13++
y5
b6++−NH3
y12++
y13++−NH3
b10
b2−NH3
y3++−H2O
y2−NH3
y5++−NH3
y6++
y7++
y3
b4
y8++
b9++
y10++
b7
y7
y8
b9
b10−NH3

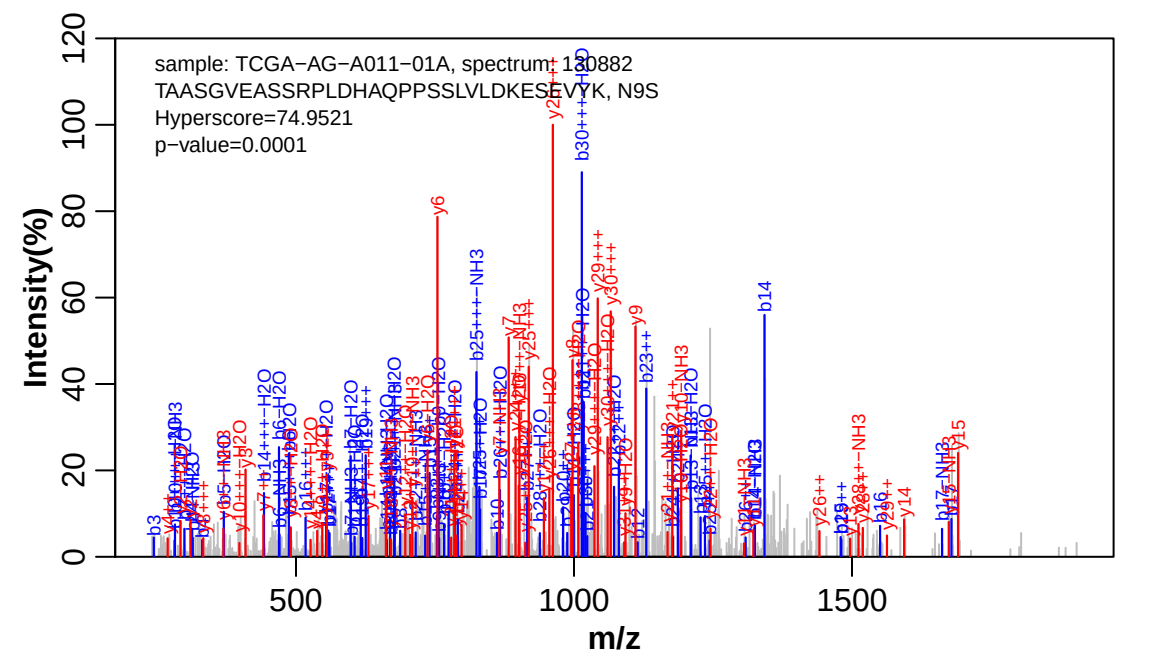

sample: TCGA−AG−A011−01A, spectrum: 69200
SQNKEDYDGLKEEFRK, A8D
Hyperscore=47.5926
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y4−H2O
y14+++
b6
b2
y10++
y12++
y6−NH3
y6
b7
b8
b4+++−H2O
b2−H2O−NH3
y4+++−H2O
y4++−H2O
b8+++−H2O
y9+++−H2O
b8+++−NH3
b2−H2O
b8+++−H2O
b9++−H2O
y14++−H2O
b5−H2O
y5+++−H2O
y12++−H2O
b13++−H2O

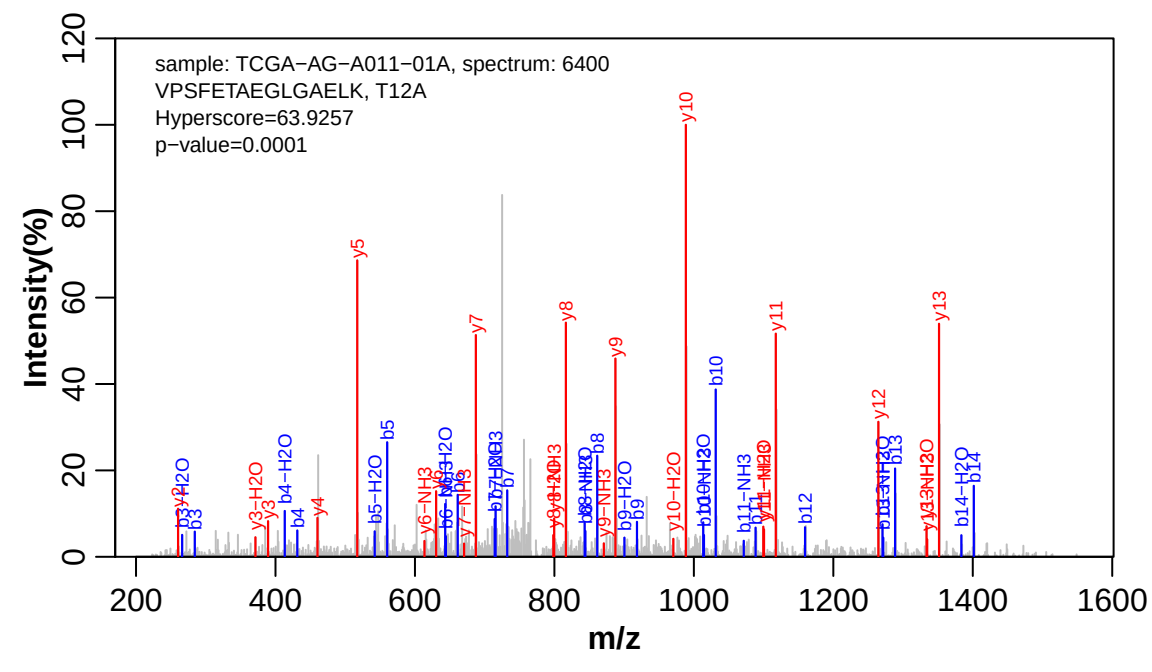

sample: TCGA−AG−A011−01A, spectrum: 29429
SSSYSGEYGSGGGK, G10S
Hyperscore=31.7327
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
b4−H2O
y5
b4
y6
b5−H2O
b5
y7
b7−H2O
b7
y8
y9
b8−H2O
b8
y10−H2O
y10−H2O
b9
y10
b10
b11−y11
y12

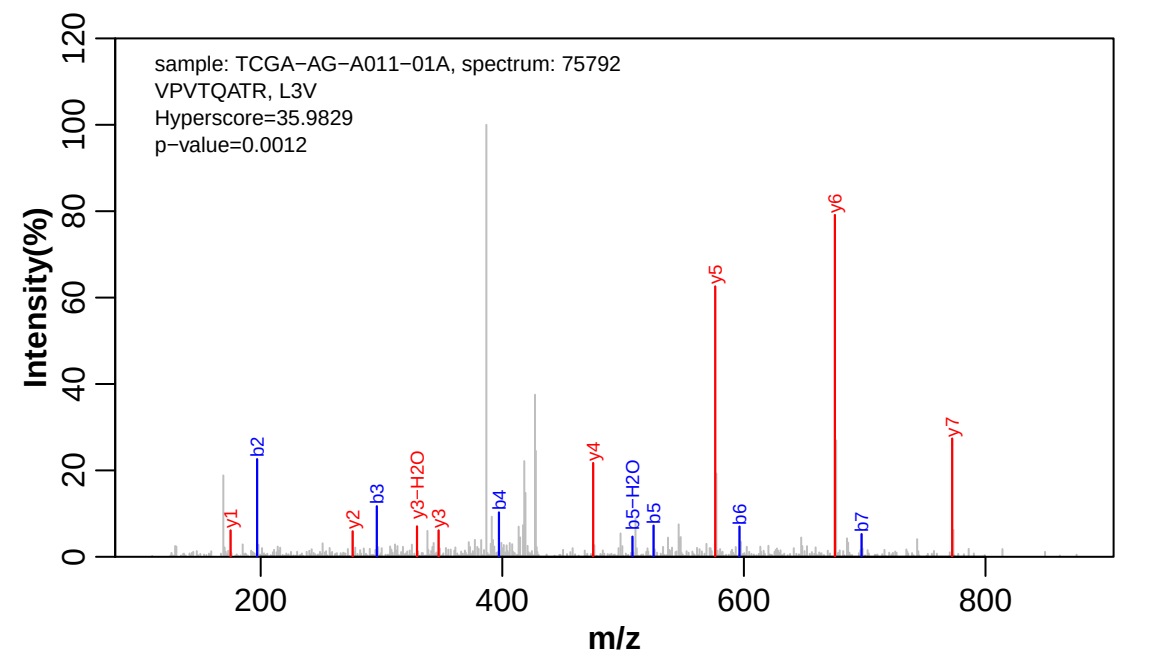

sample: TCGA−AG−A011−01A, spectrum: 29335
SSSYSGEYGSGGGKR, G10S
Hyperscore=31.0418
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y2−H2O
y3−NH3
y5
b5−H2O
y6
y7−H2O
y7
y8
b7−H2O
b7
y10
y11
y12
b14−H2O
b14

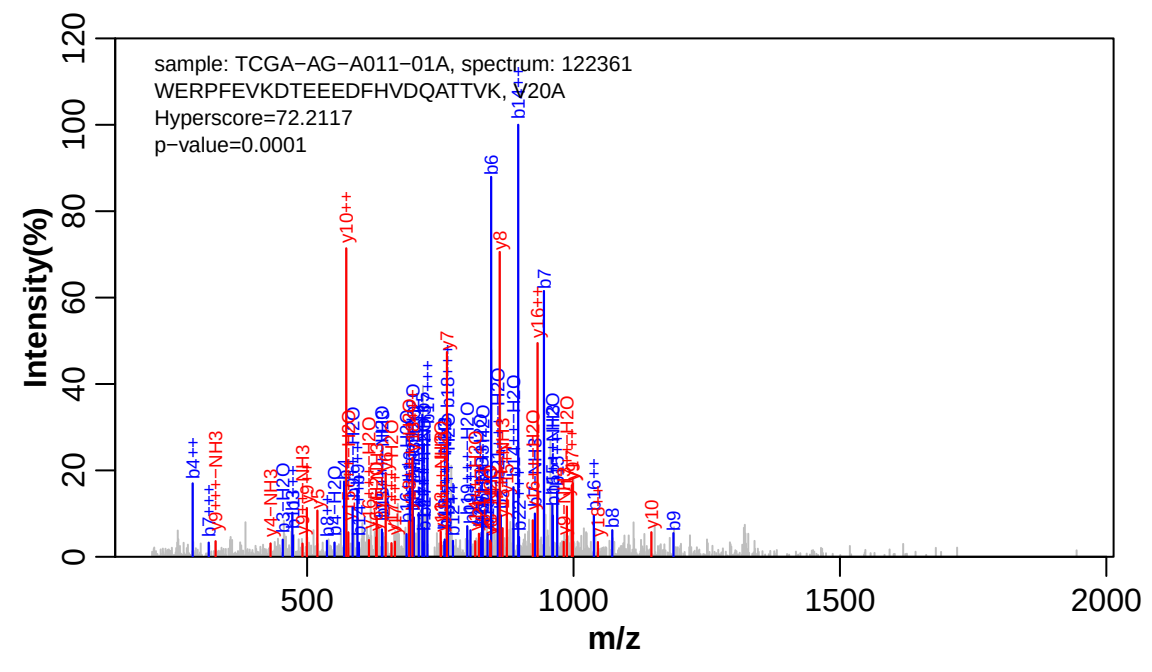

sample: TCGA−AG−A011−01A, spectrum: 58950
STESLQTNVQR, A7T
Hyperscore=47.5413
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y4
y3
y8
b10
b9
b6
b5−H2O
b4−H2O
b3
b4
b5
b7
b8
y7

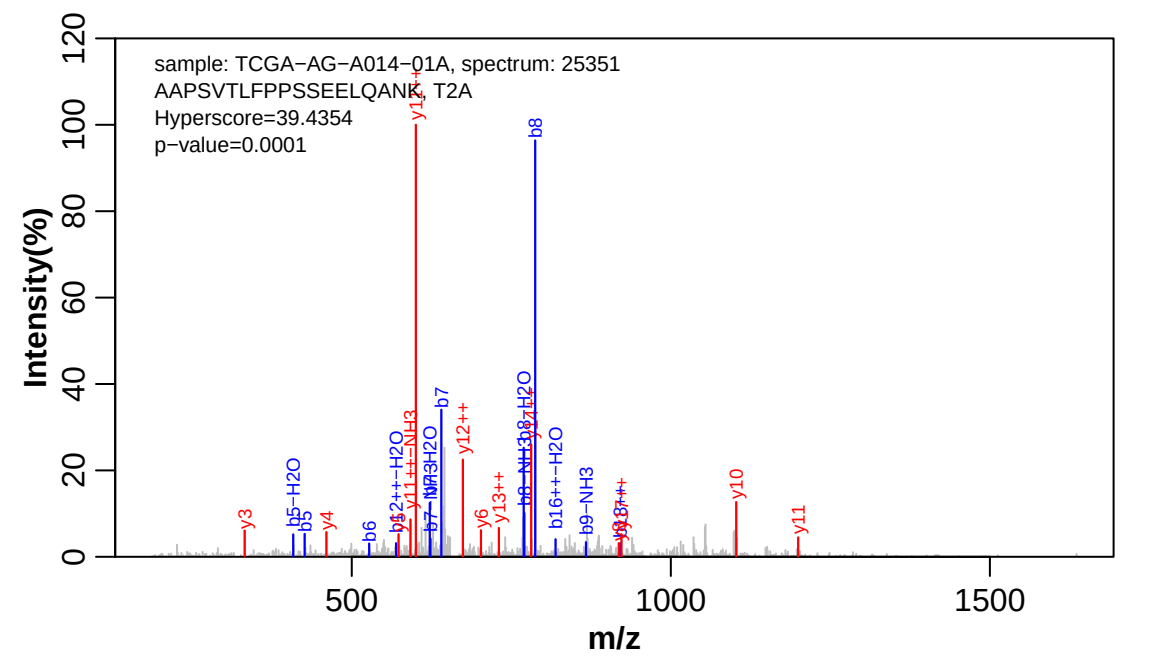

sample: TCGA−AG−A011−01A, spectrum: 111438
SVEEYANCHLAR, P1S
Hyperscore=44.5703
p−value=0.0001
Intensity(%)
m/z
y2
y3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
b7−NH3
b7
y6
y7−NH3
y7
b8−NH3
b8
y8
b9
y9
b10
b11−NH3
b11
b11

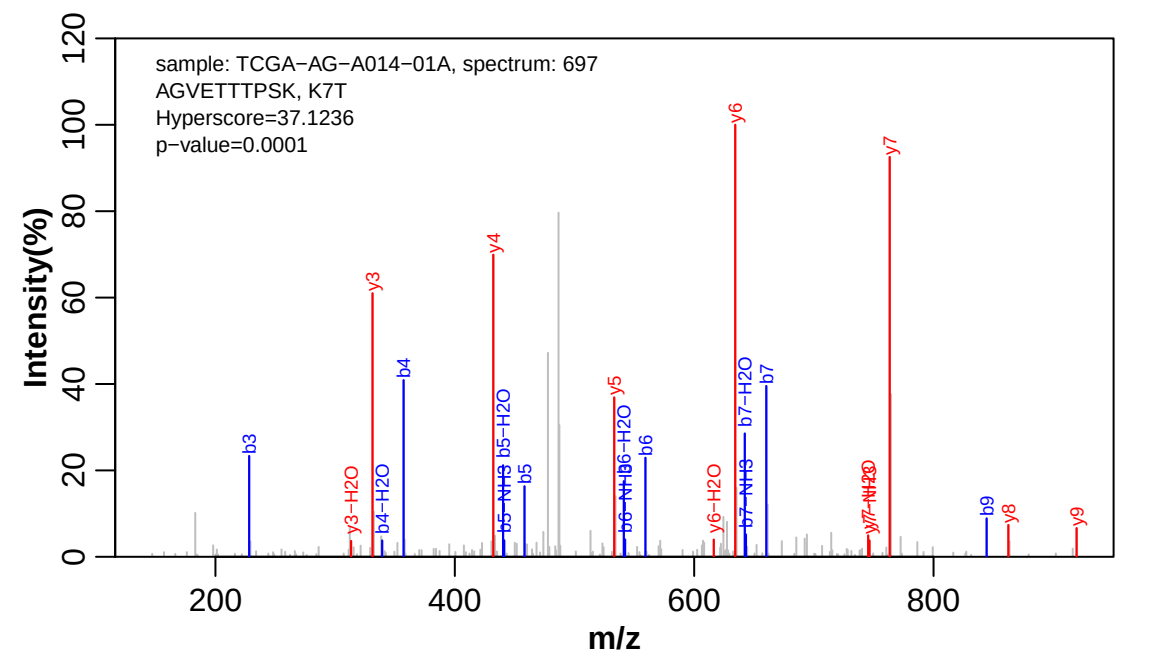

sample: TCGA−AG−A011−01A, spectrum: 130882
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=74.9521
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

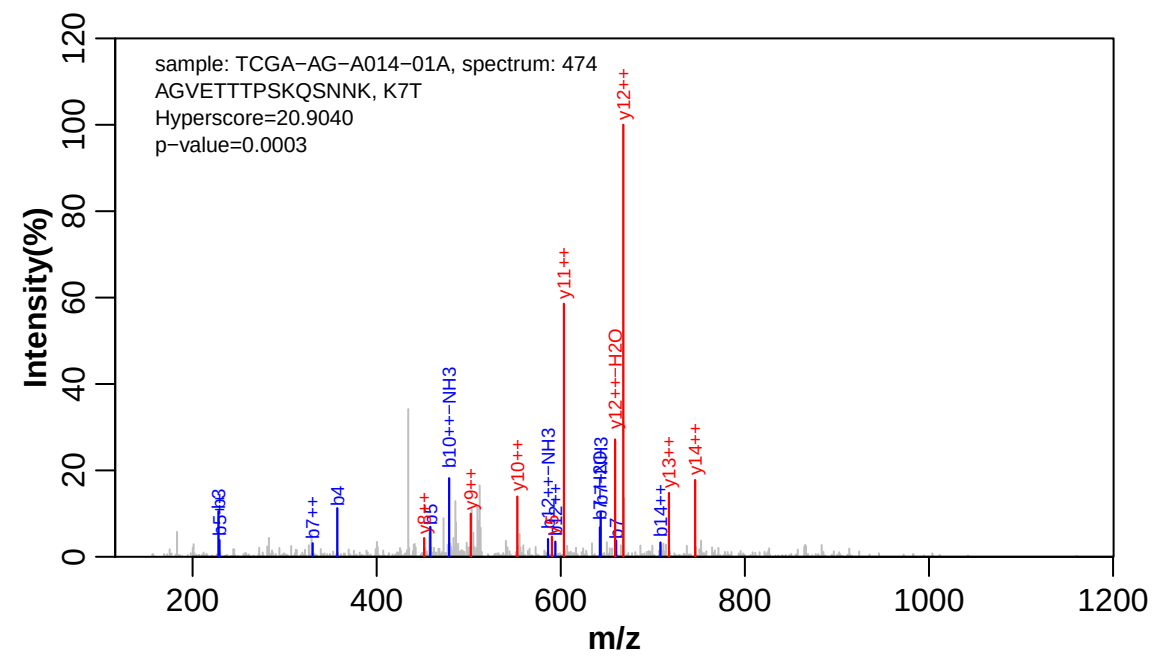

sample: TCGA−AG−A011−01A, spectrum: 6400
VPSFETAEGLGAELK, T12A
Hyperscore=63.9257
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y5
y8
y7
y11
y13
y12
y9
b10
b5
b12
b14
b13
b7
b8
b9
b11
y4
y3
y6
b4
b3
b2
y10−H2O
y5−H2O
y8−H2O
y7−H2O
y11−H2O
y13−H2O
y12−H2O
y9−H2O
b10−H2O
b5−H2O
b12−H2O
b14−H2O
b13−H2O
b7−H2O
b8−H2O
b9−H2O
b11−H2O
y4−H2O
y3−H2O
b4−H2O
b3−H2O
b2−H2O
y6−NH3
y7−NH3
y9−NH3
b10−NH3
b11−NH3
y13−NH3
b14−NH3

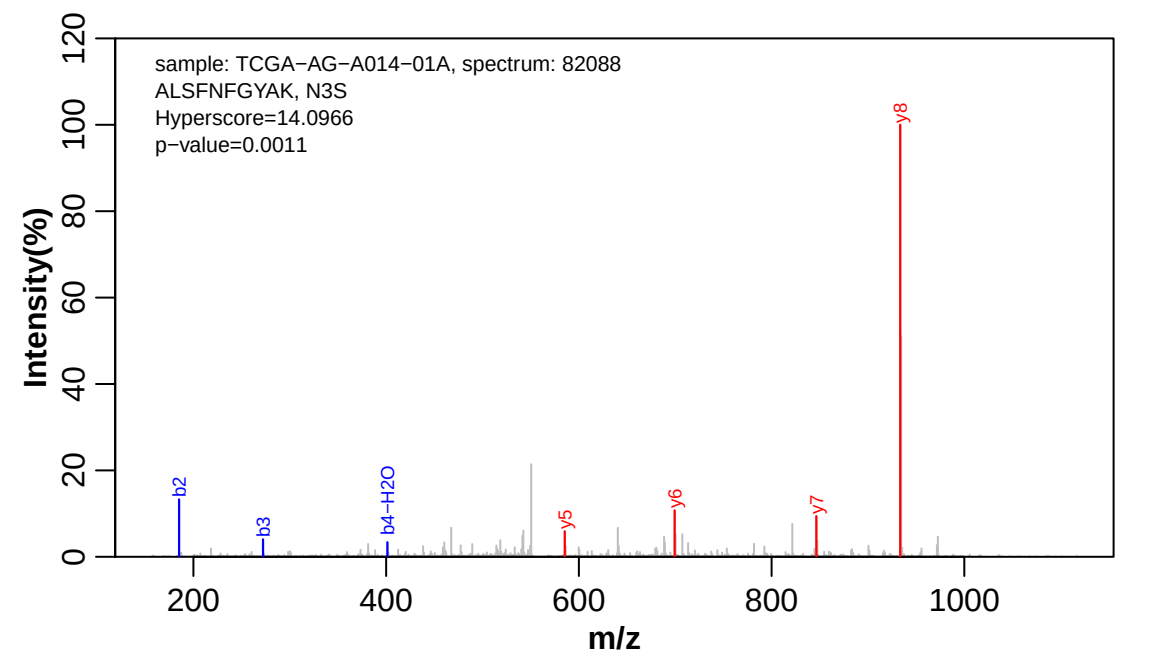

sample: TCGA−AG−A011−01A, spectrum: 75792
VPVTQATR, L3V
Hyperscore=35.9829
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
b3
y3−H2O
y3
b4
y4
b5−H2O
b5
y5
b6
y6
b7
y7

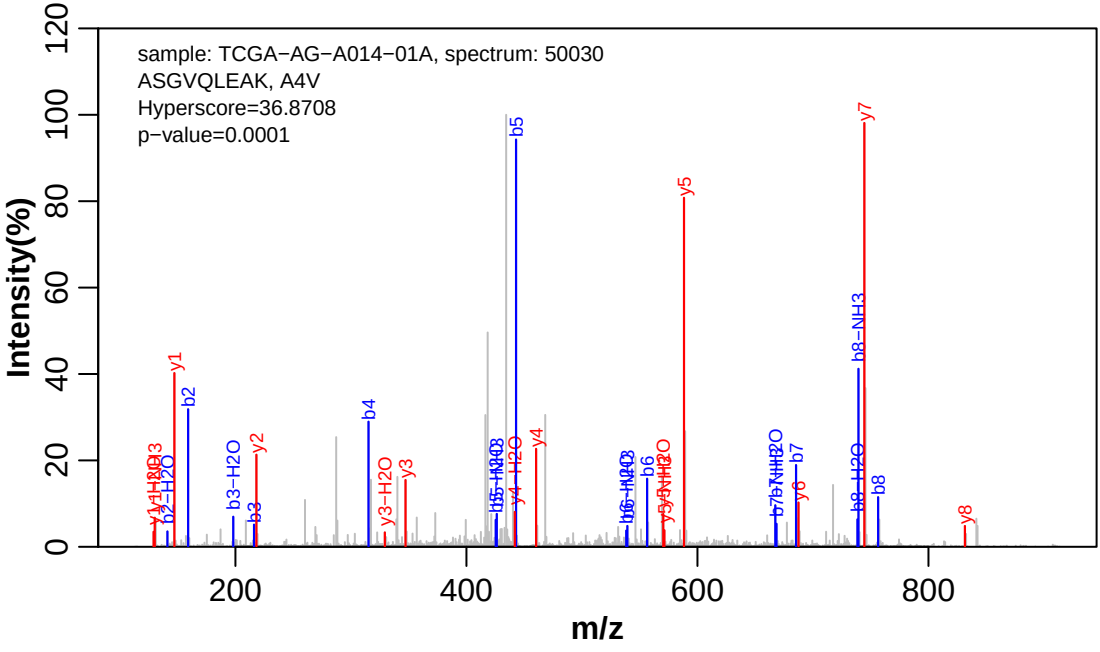

sample: TCGA−AG−A011−01A, spectrum: 122361
WERPFEVKDTEEEDFHVDQATTVK, V20A
Hyperscore=72.2117
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b14++
b6
y10++
y8
b7
y16++
b4++
b7+++−NH3
y4−NH3
y10
b8
b9

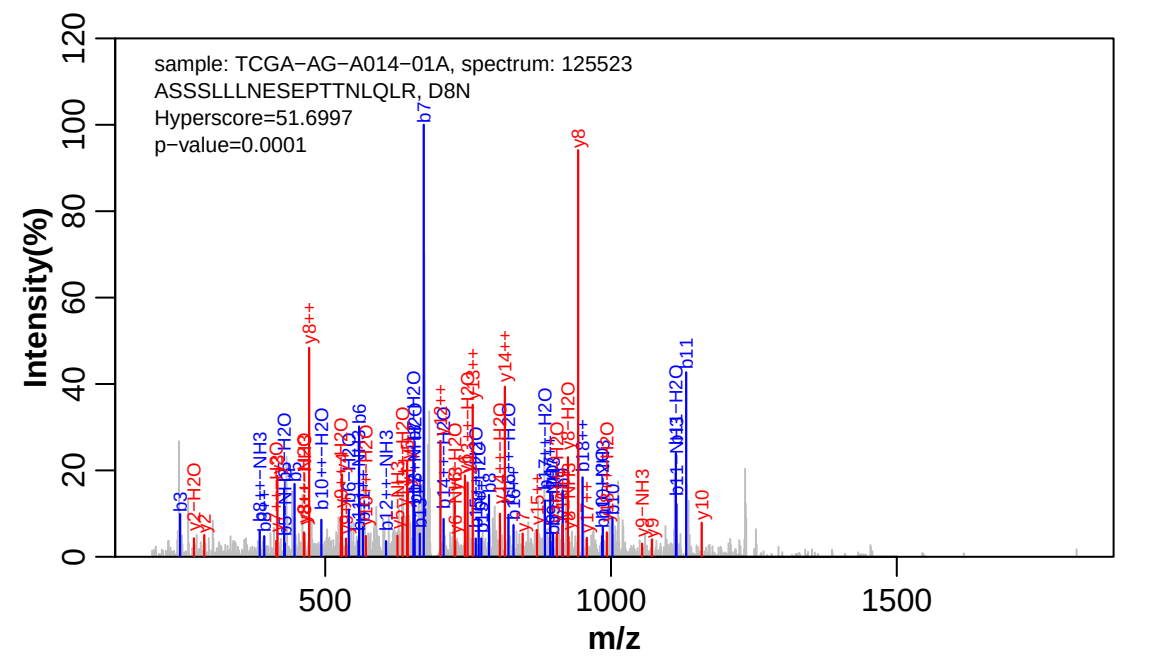

sample: TCGA−AG−A014−01A, spectrum: 25351
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=39.4354
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12++
b8
b7
y12++
y3
b5−H2O
b5
y4
b6
b12++−H2O
y11++−NH3
b7−NH3
b7−H2O
y6
y13++
b6−NH3
b8−H2O
y14++
b16++−H2O
b9−NH3
y10
y11

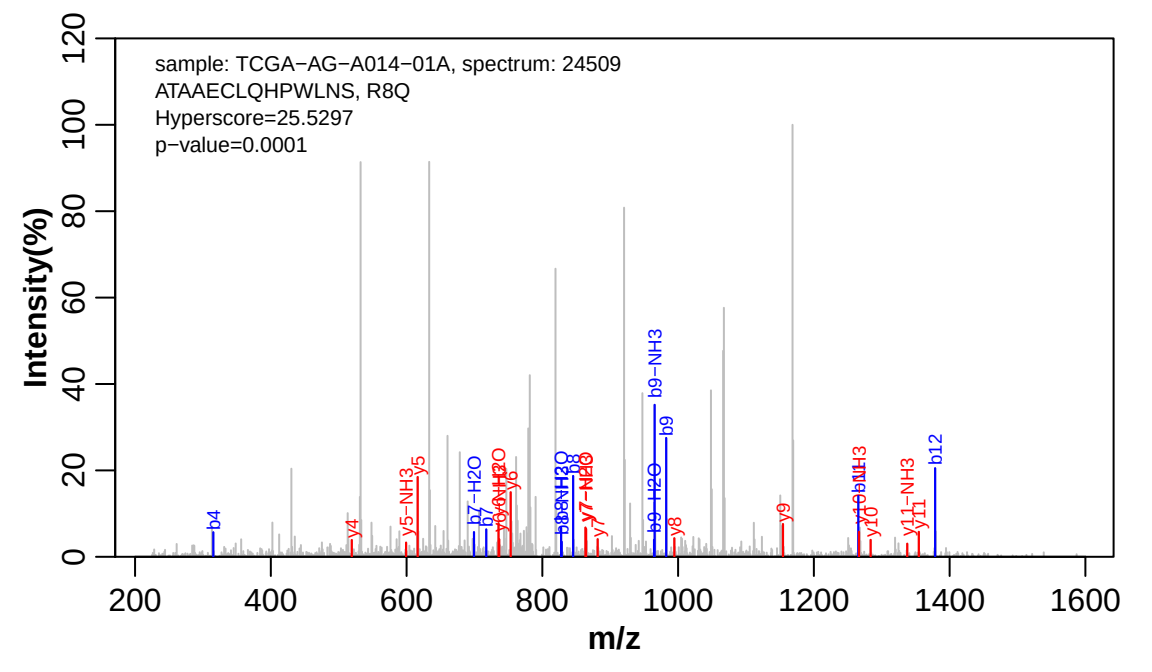

sample: TCGA−AG−A014−01A, spectrum: 697
AGVETTTPSK, K7T
Hyperscore=37.1236
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3−H2O
y3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6−H2O
y6
b7−NH3
b7−H2O
b7
y7−NH3
y7−H2O
y7
b9
y8
y9

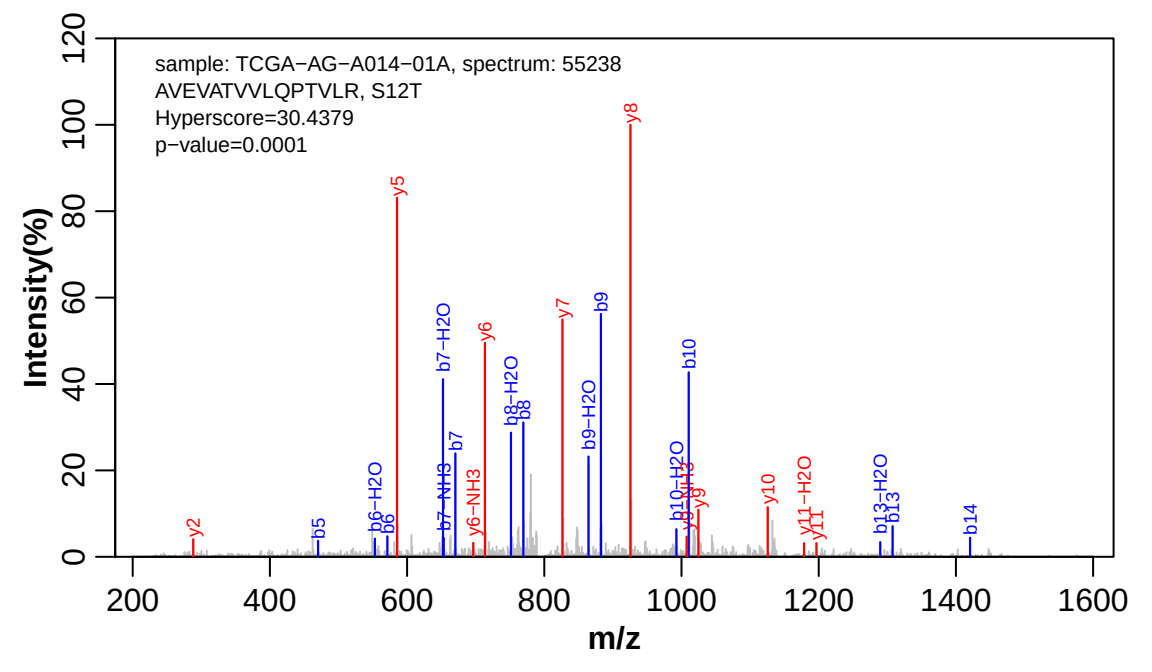

sample: TCGA−AG−A014−01A, spectrum: 474
AGVETTTPSKQSNNK, K7T
Hyperscore=20.9040
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y12++
y11++
y12++−H2O
b10++−NH3
y10++
y12++−NH3
y9++
y8++
b5
b7++
b4
b14++
y13++
y14++

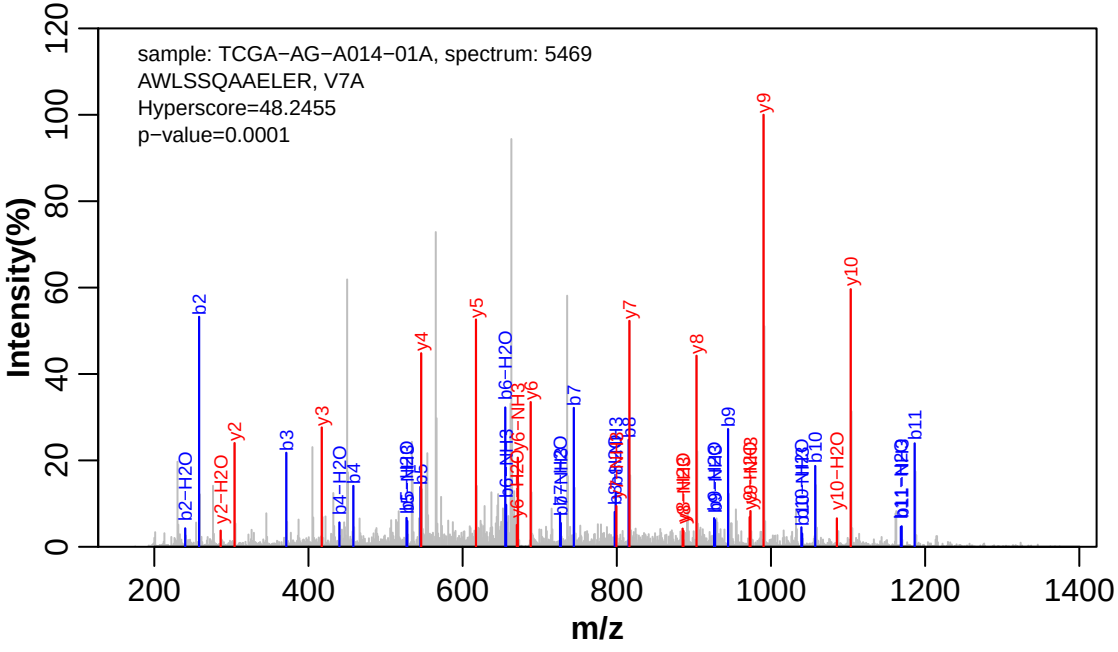

sample: TCGA−AG−A014−01A, spectrum: 82088
ALSFNFGYAK, N3S
Hyperscore=14.0966
p−value=0.0011
Intensity(%)
m/z
b2
b3
b4−H2O
y5
y6
y7
y8

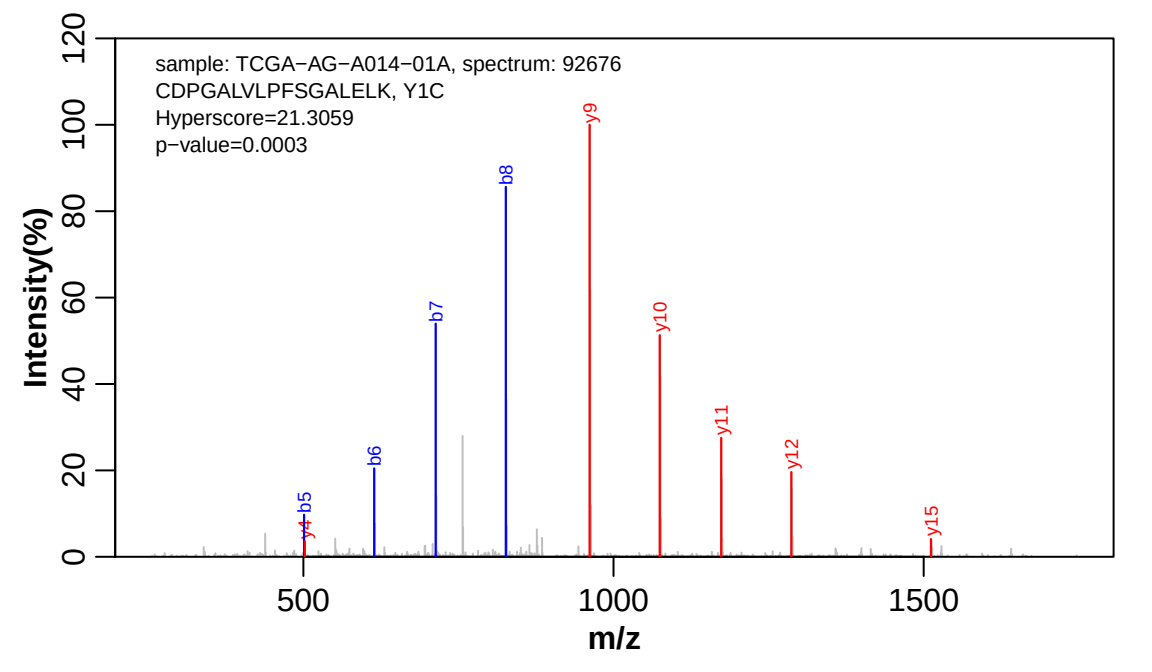

sample: TCGA−AG−A014−01A, spectrum: 50030
ASGVQLEAK, A4V
Hyperscore=36.8708
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
b2
b2−H2O
b3−H2O
b3
y2
b4
y3−H2O
y3
b5
b5−NH3
y4−H2O
y4
b6−NH3
b6
y5−NH3
y5
b7−NH3−H2O
b7
y6
b8−NH3
b8−H2O
b8
y7
y8

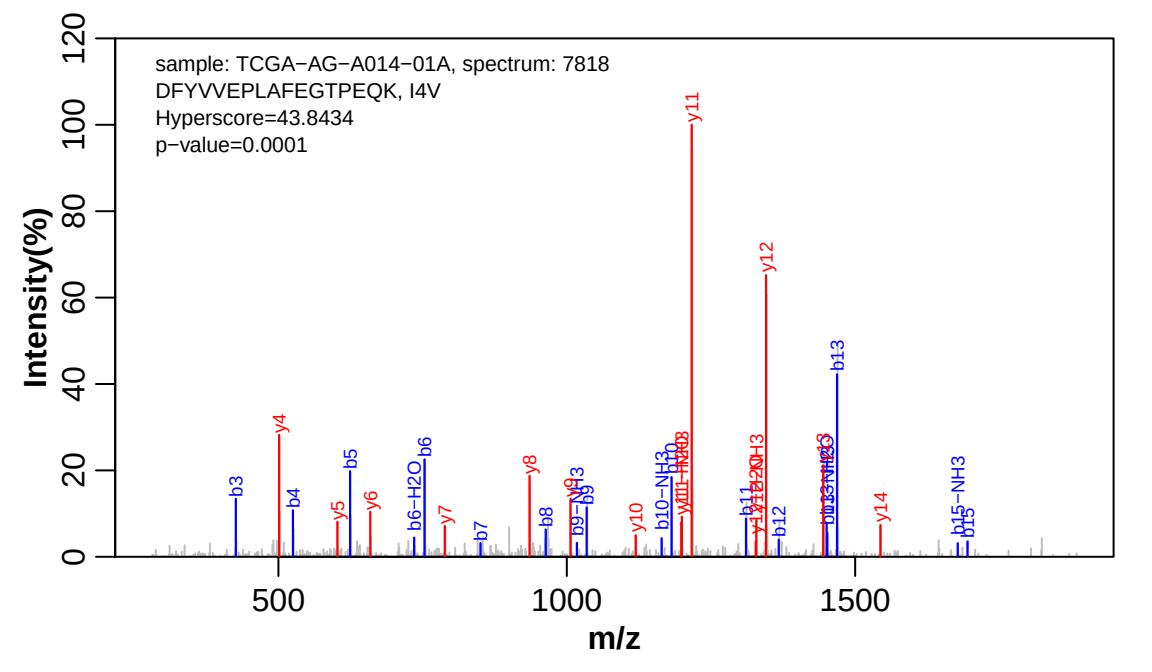

sample: TCGA−AG−A014−01A, spectrum: 125523
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=51.6997
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b7
y8
y8++
b11
y10
b3
y2
y2−H2O
b8++−NH3
b8++−H2O
b10++−H2O
b6
b12++−NH3
y14++
y8−NH3
b11−NH3−H2O

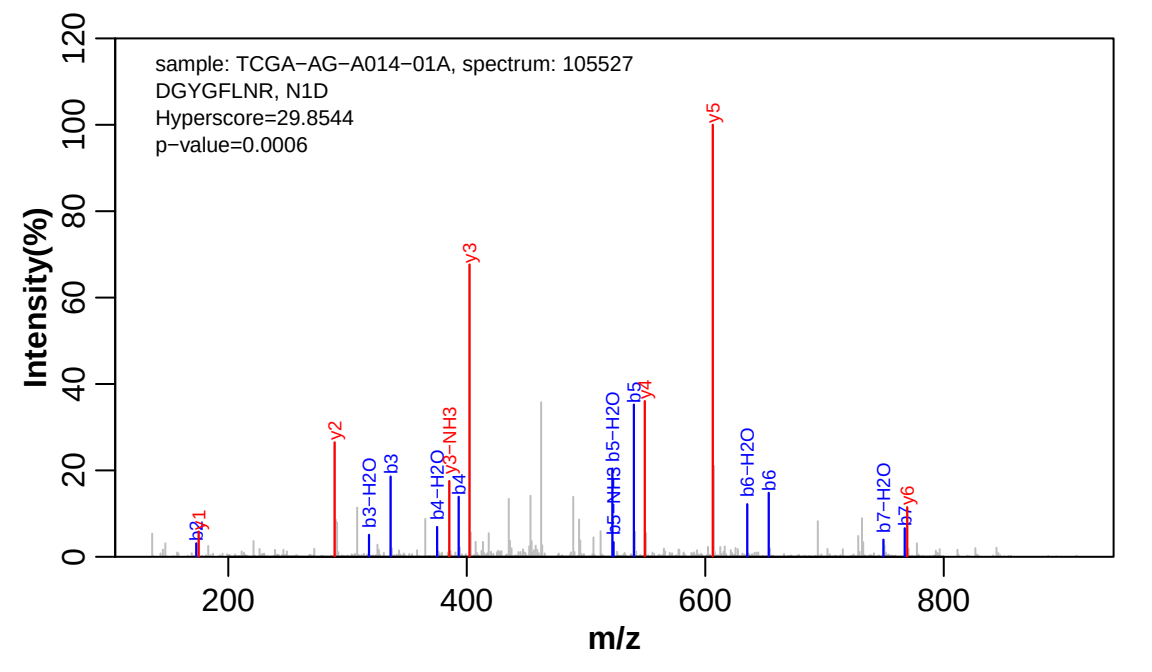

sample: TCGA−AG−A014−01A, spectrum: 24509
ATAAECLQHPWLNS, R8Q
Hyperscore=25.5297
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4
y4
y5−NH3
y5
b7−H2O
b7
y6−NH3
y6−H2O
y6
b8−NH3
b8−H2O
b8
y7−NH3
y7−H2O
y7
b9−NH3
b9
b9−H2O
y8
y9
y10−NH3
y10−H2O
y10
y11−NH3
y11
b12

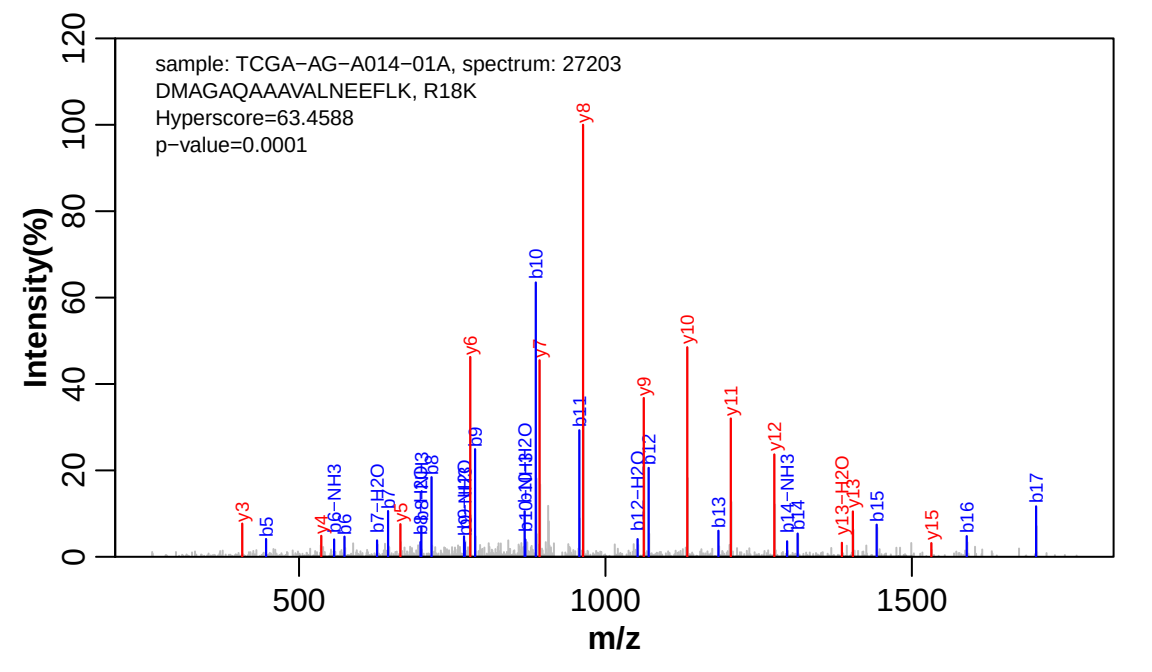

sample: TCGA−AG−A014−01A, spectrum: 55238
AVEVATVVLQPTVLR, S12T
Hyperscore=30.4379
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b5
b6−H2O
b6
b7−NH3
b7
b7−H2O
y5
y6−NH3
y6
b8−H2O
b8
y7
b9−H2O
b9
b10−H2O
b10−NH3
y8
y9
b10
y10
y11−H2O
y11
b13−H2O
b13
b14

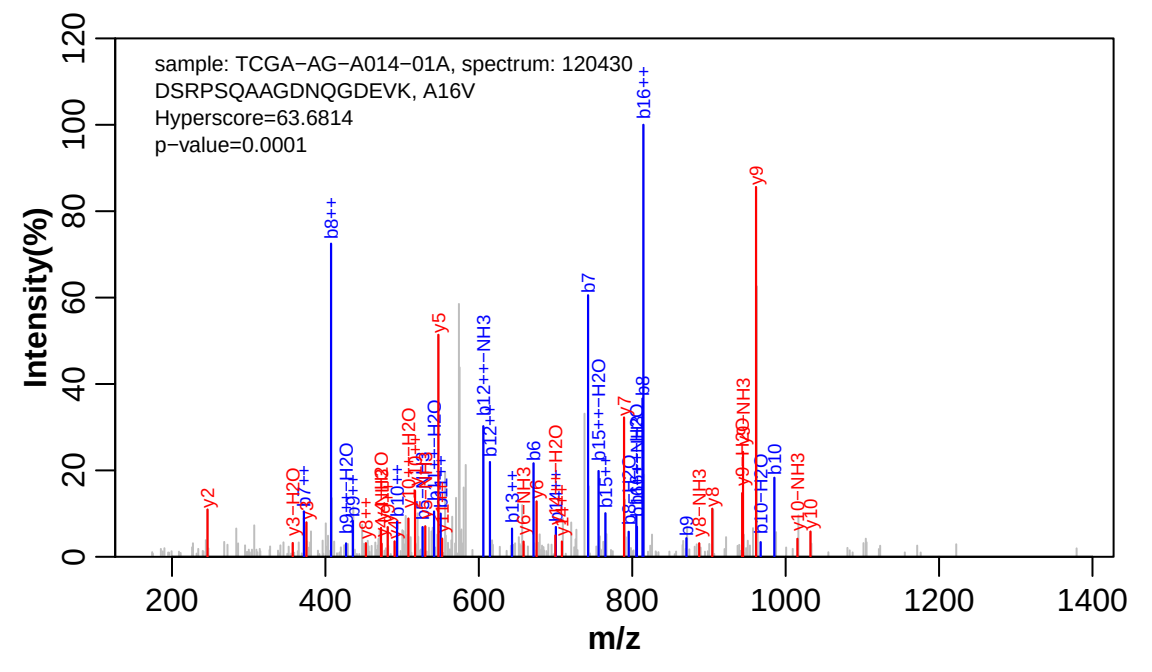

sample: TCGA−AG−A014−01A, spectrum: 5469
AWLSSQAAELER, V7A
Hyperscore=48.2455
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2−H2O
b2−H2O
y2
b3
y3
b4−H2O
b4
y4
y5
b6−NH3
b6−H2O
y6
y6−H2O
y6−NH3
b7
b7−NH3
b7−H2O
y7
b8
y8
b9
y9
y9−NH3
y9−H2O
b10
b10−NH3
b10−H2O
y10
y10−H2O
b11
b11−NH3
b11−H2O

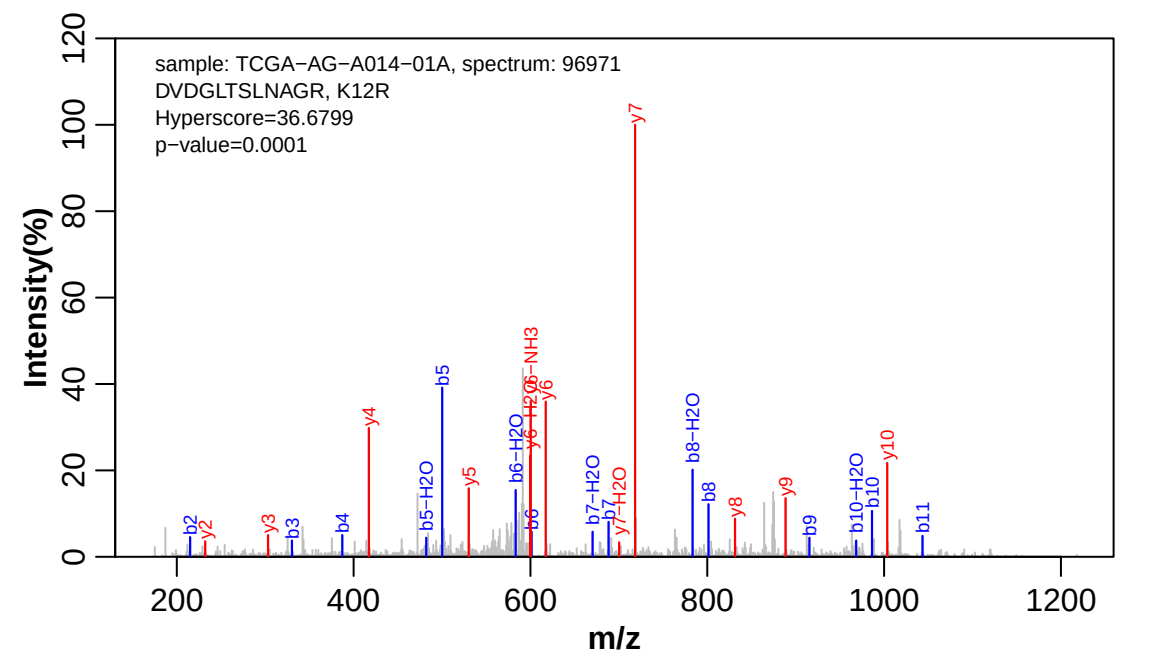

sample: TCGA−AG−A014−01A, spectrum: 92676
CDPGALVLPFSGALELK, Y1C
Hyperscore=21.3059
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y4
b5
b6
b7
b8
y9
y10
y11
y12
y15

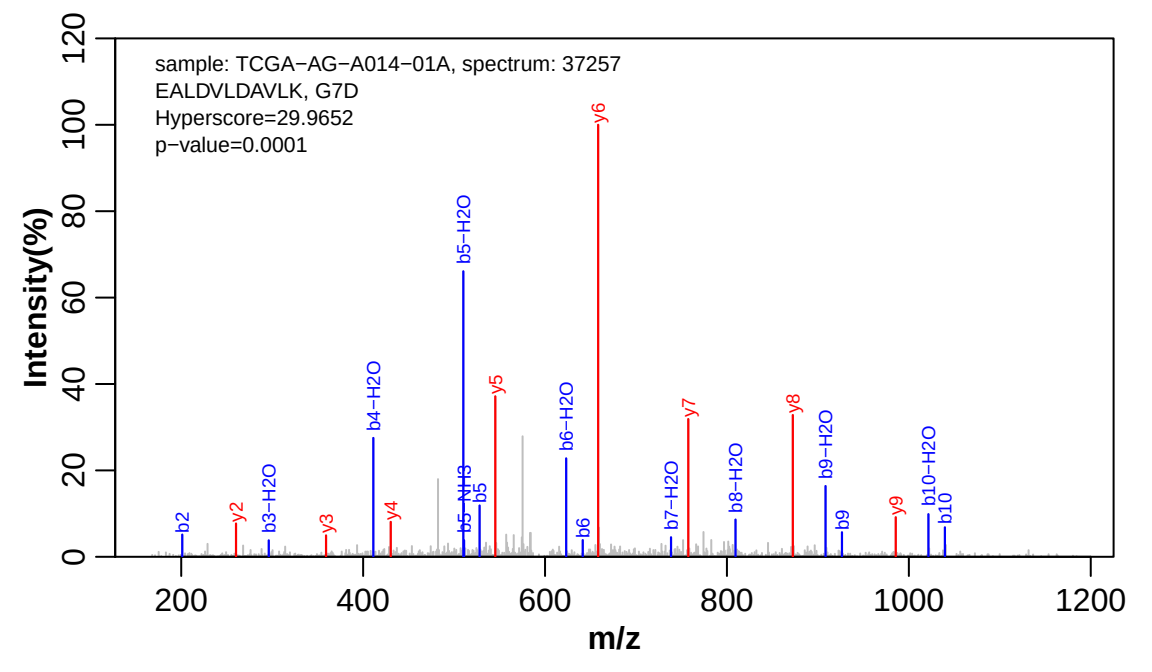

sample: TCGA−AG−A014−01A, spectrum: 7818
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=43.8434
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
y5
b5
y6
b6
b6−H2O
y7
b7
y8
b8
y9
b9
b9−NH3
y10
b10−NH3
y11
y11−H2O
y11−NH3
b11
y12
y12−H2O
y12−NH3
b12
b13
b13−H2O
b13−NH3
y14
b15−NH3
b15

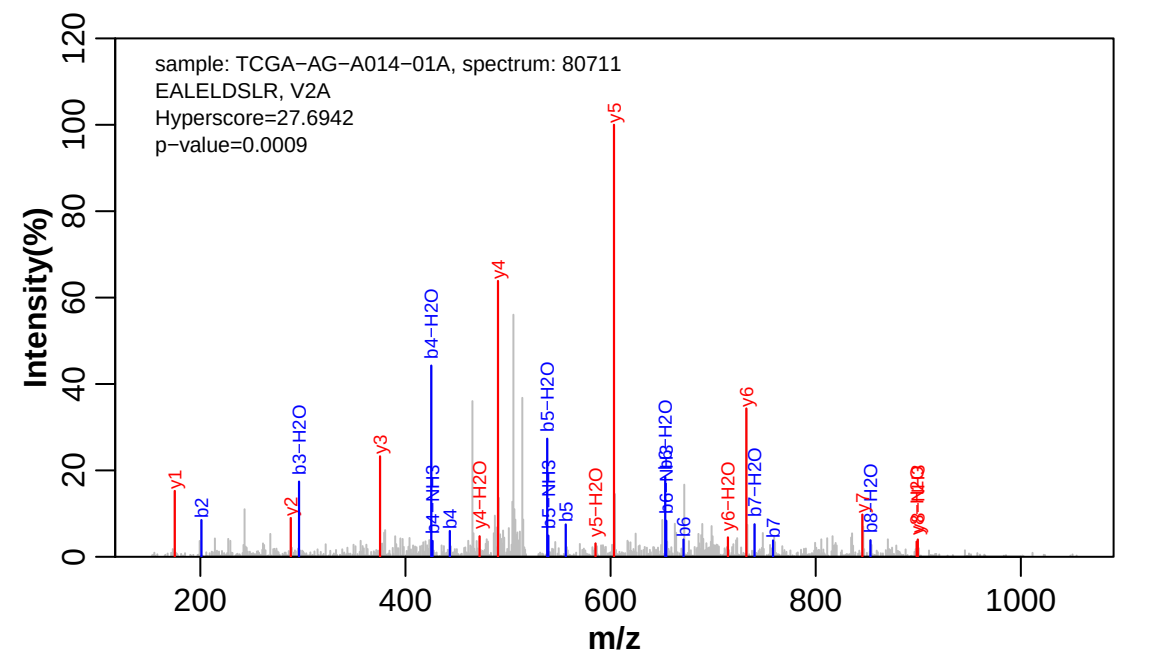

sample: TCGA−AG−A014−01A, spectrum: 105527
DGYGFLNR, N1D
Hyperscore=29.8544
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y5
y3
y2
y4
b5
b5−H2O
b5−NH3
b6−H2O
b6
b7−H2O
b7
y6
b3−H2O
b3
b4−H2O
y3−NH3
b4
b2
y1

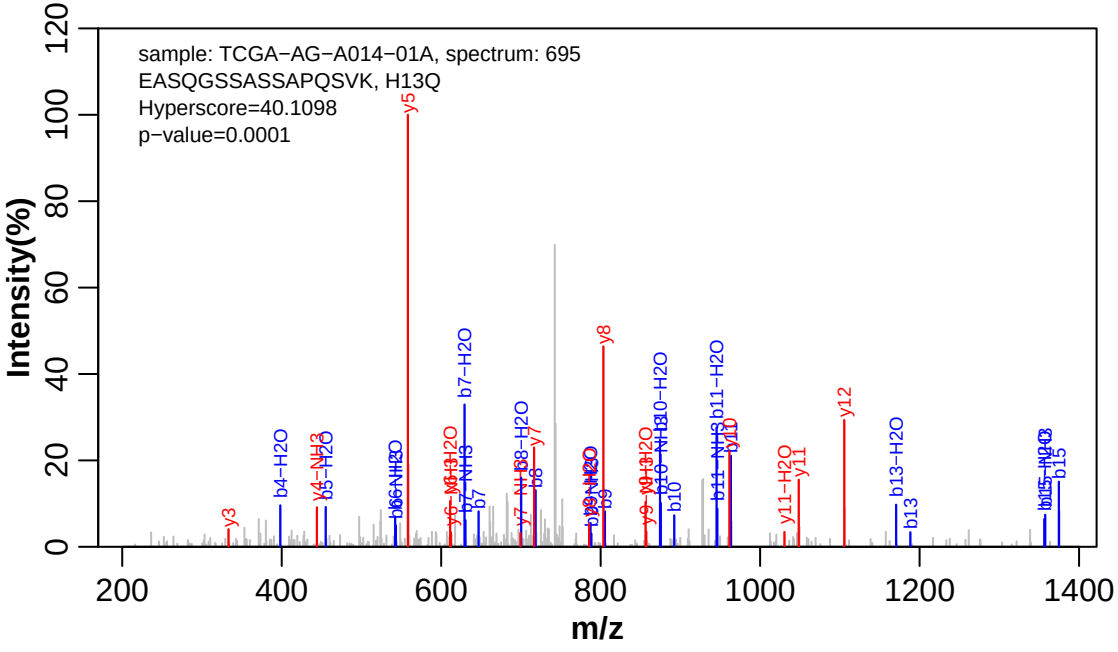

sample: TCGA−AG−A014−01A, spectrum: 27203
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=63.4588
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b5
y4
b6−NH3
b6
b7−H2O
b7
y5
b8
y6
b9
b10
y7
b11
y8
b12−H2O
b12
y9
y10
b13
y11
b14−NH3
b14
y12
y13−H2O
y13
b15
y15
b16
b17

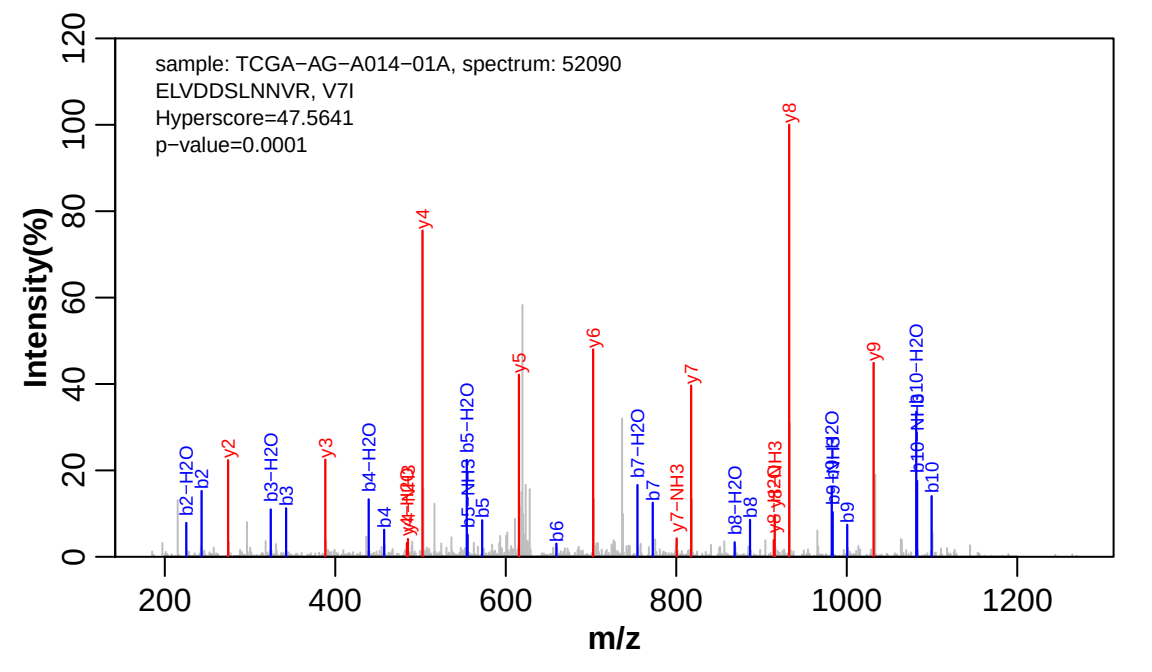

sample: TCGA−AG−A014−01A, spectrum: 120430
DSRPSQAAGDNQGDEVK, A16V
Hyperscore=63.6814
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b16++
y9
b8++
y5
b7
b12++−NH3
b15++−H2O
y2
y3−H2O
y3
b7++
b9++−H2O
y8++
b10++
b13++
y6−NH3
b6
y8
b9
y8−NH3
y9++−NH3
b10−H2O
b10
y10−NH3
y10

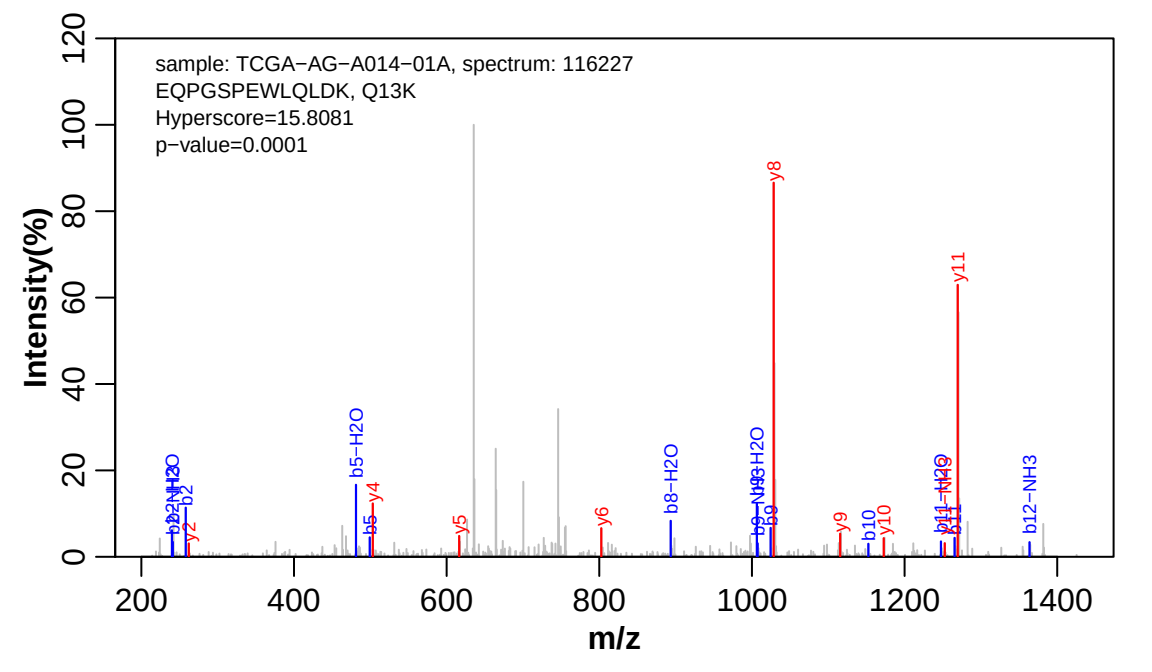

sample: TCGA−AG−A014−01A, spectrum: 96971
DVDGLTSLNAGR, K12R
Hyperscore=36.6799
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b3
b4
y4
b5−H2O
b5
y5
b6−H2O
y6−H2O−NH3
y6
b6
b7−H2O
b7
y7−H2O
y7
b8−H2O
b8
y8
y9
b9
b10−H2O
b10
y10
b11

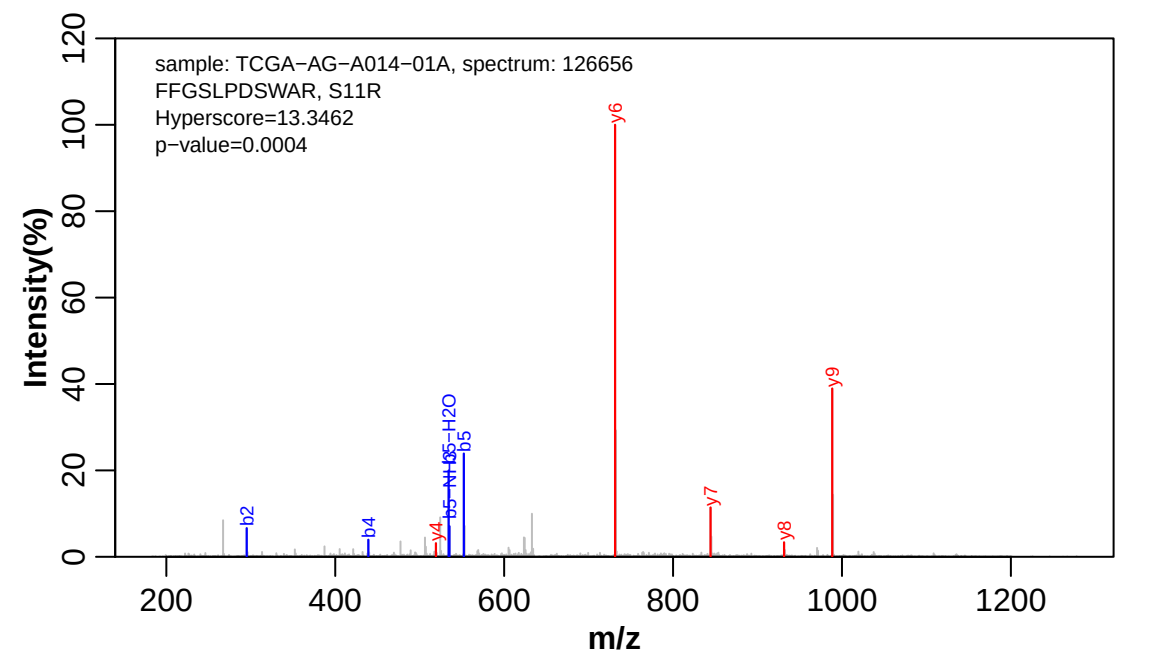

sample: TCGA−AG−A014−01A, spectrum: 37257
EALDVLDAVLK, G7D
Hyperscore=29.9652
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
y3
b4−H2O
y4
b5−NH3
b5
b5−H2O
y5
b6−H2O
b6
y6
b7−H2O
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

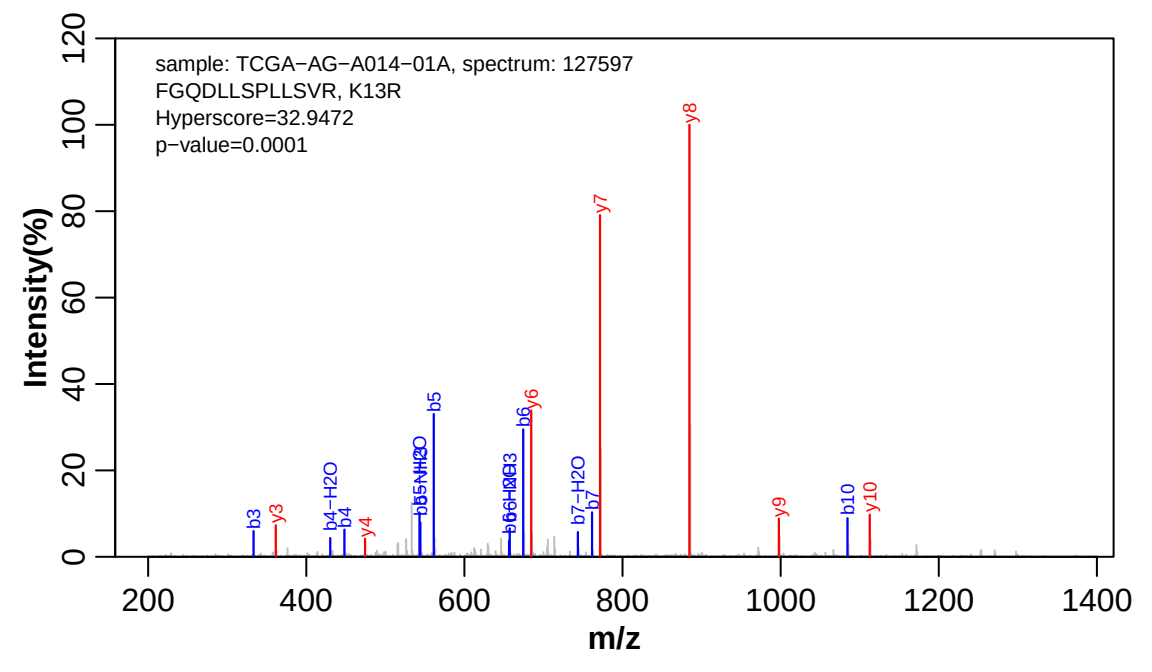

sample: TCGA−AG−A014−01A, spectrum: 80711
EALELDSLR, V2A
Hyperscore=27.6942
p−value=0.0009
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3−H2O
y3
b4
b4−NH3
b4−H2O
y4
y4−H2O
b5
b5−NH3
b5−H2O
y5
y5−H2O
b6
b6−NH3
b6−H2O
y6
y6−H2O
b7
b7−H2O
y7
b8
b8−H2O
y8−NH3

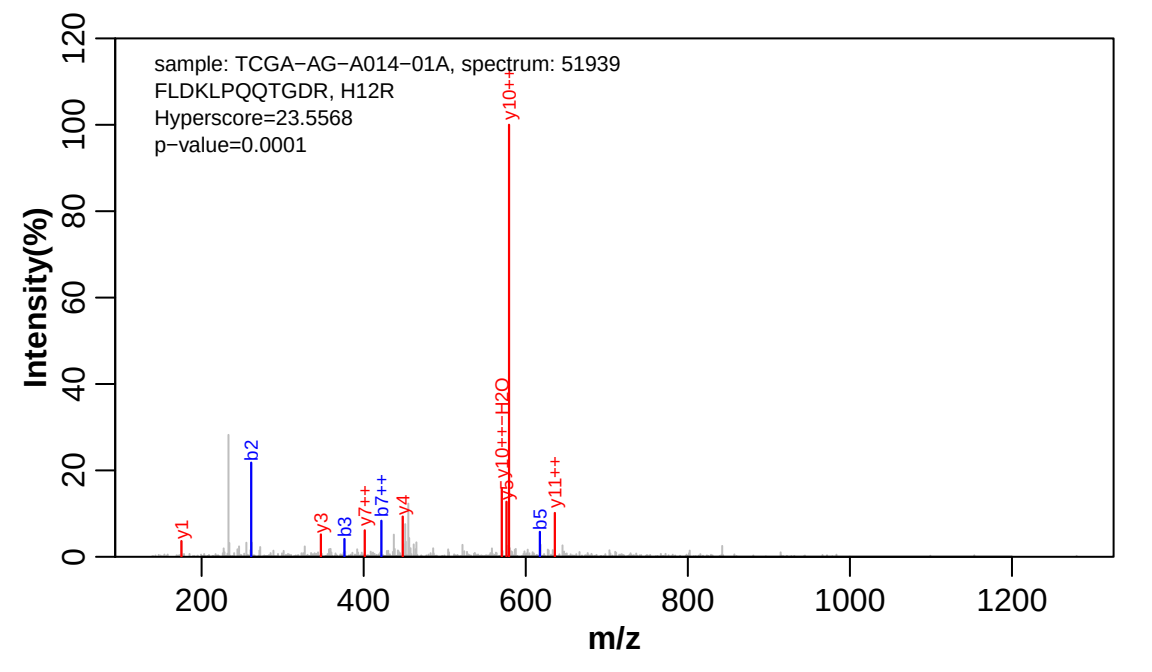

sample: TCGA−AG−A014−01A, spectrum: 695
EASQGSSASSAPQSVK, H13Q
Hyperscore=40.1098
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y8
y12
b7−H2O
b4−H2O
b11−H2O
b10−H2O
b13−H2O
y11−H2O
y3
y11
b13
b7
b10
b11
b15

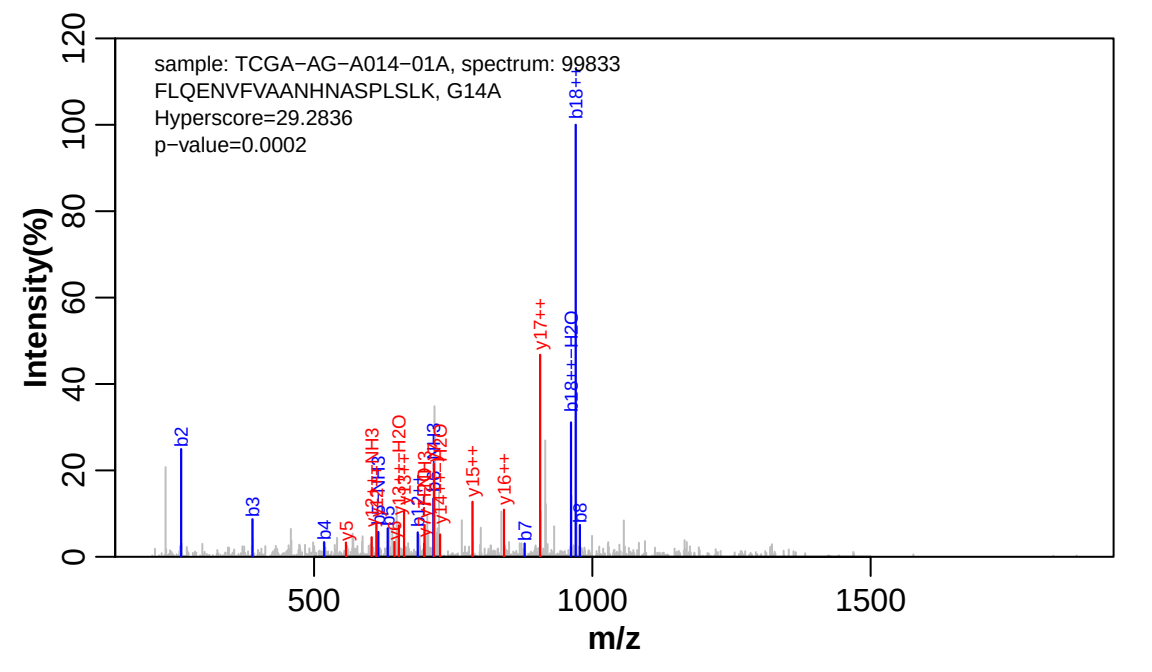

sample: TCGA−AG−A014−01A, spectrum: 52090
ELVDDSLNNVR, V7I
Hyperscore=47.5641
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5
b6
y6
b7−H2O
b7
y7
y7−NH3
b8−H2O
b8
y8
b9
y9
b10−NH3
b10−H2O
b10

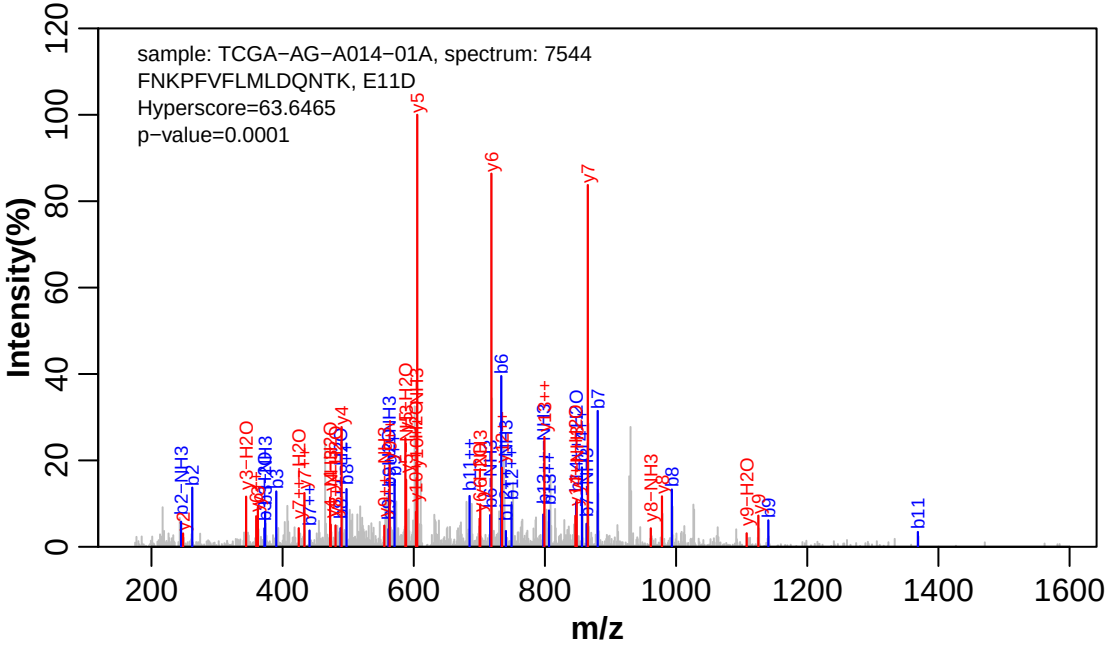

sample: TCGA−AG−A014−01A, spectrum: 116227
EQPGSPEWLQLDK, Q13K
Hyperscore=15.8081
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b5−H2O
y4
y5
y6
b8−H2O
y8
y9
b10
y10
y11
b12−NH3
y2
b2

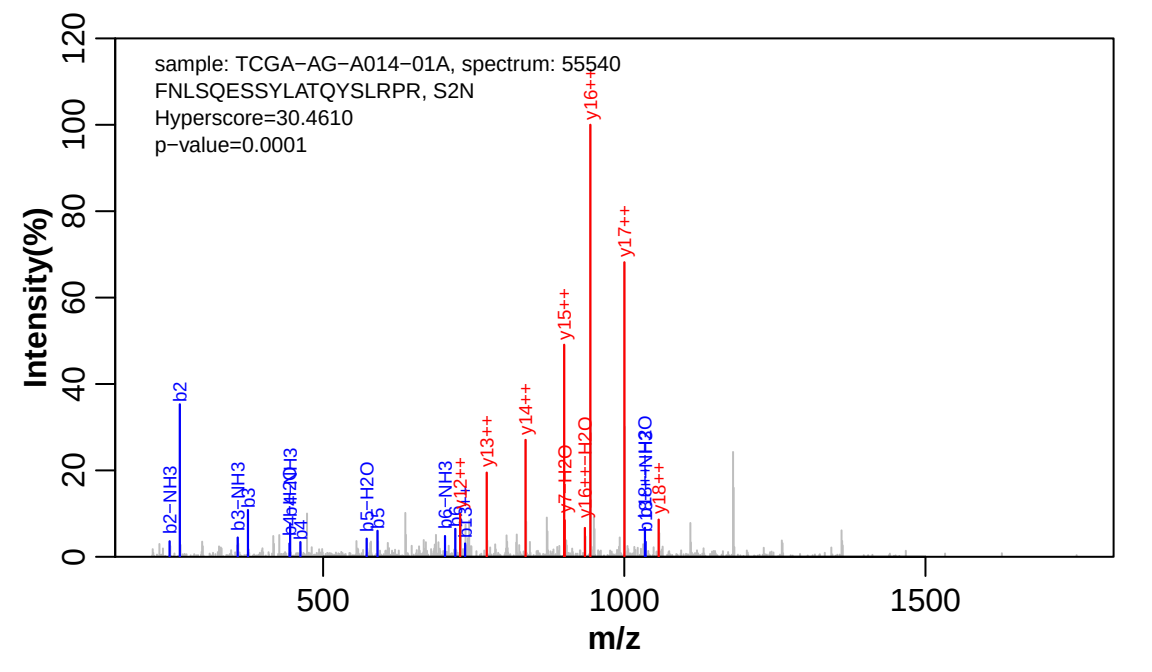

sample: TCGA−AG−A014−01A, spectrum: 126656
FFGSLPDSWAR, S11R
Hyperscore=13.3462
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y9
y7
y8
b2
b4
y4
b5−NH3
b5−H2O
b5

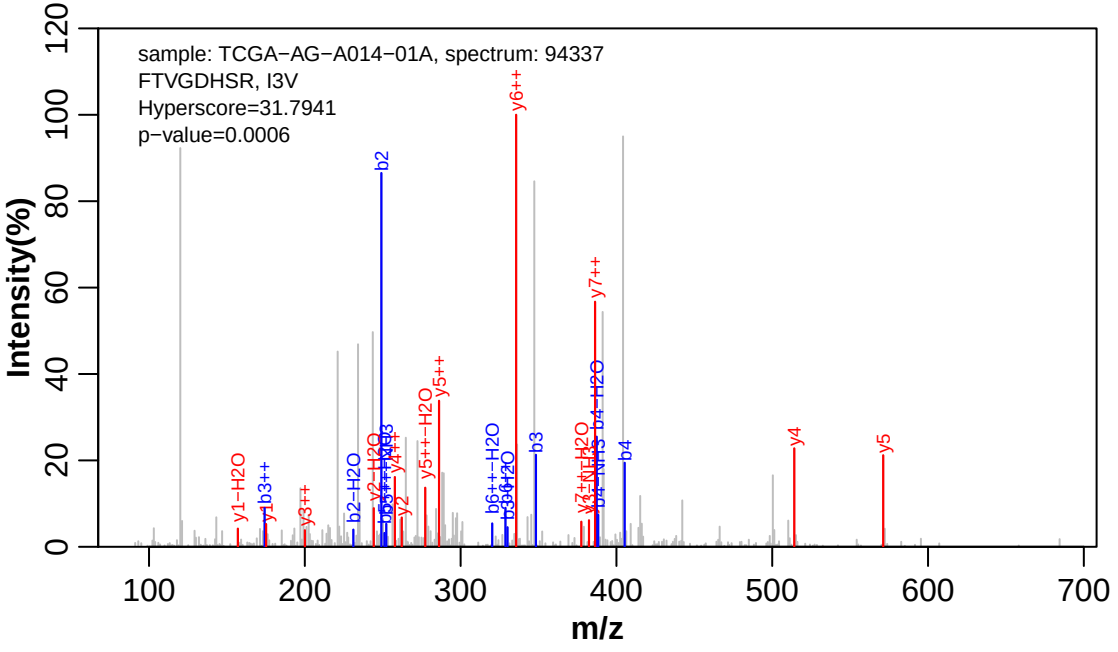

sample: TCGA−AG−A014−01A, spectrum: 127597
FGQDLLSPLLSVR, K13R
Hyperscore=32.9472
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5
b6
y6
b7−H2O
b7
y7
y8
y9
b10
y10

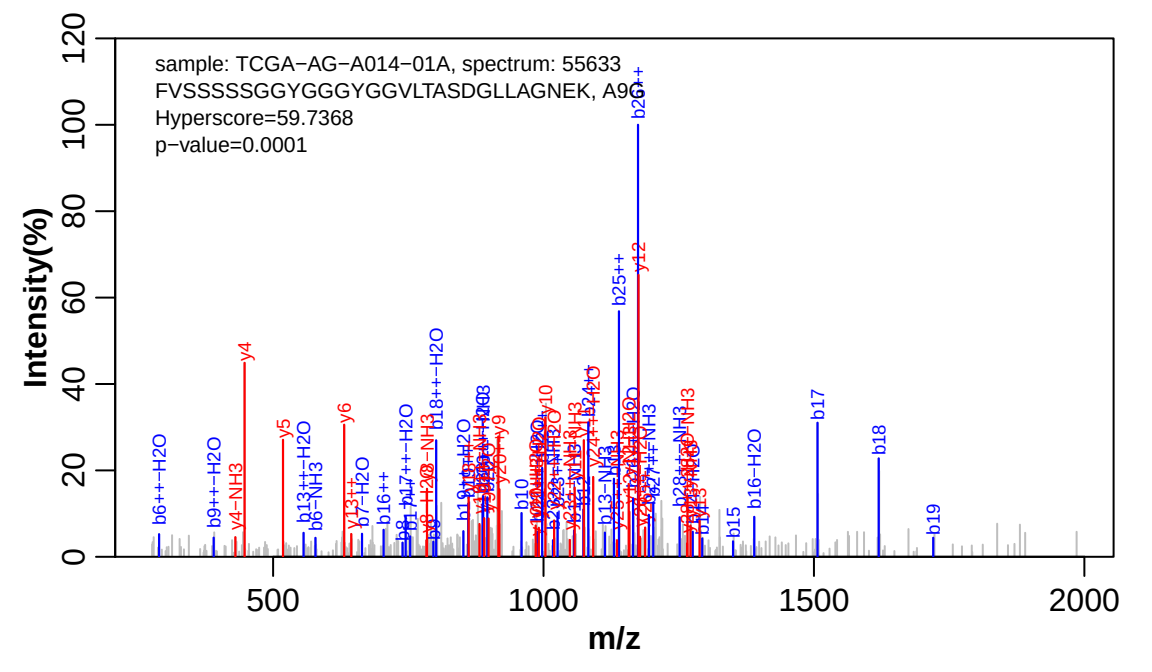

sample: TCGA−AG−A014−01A, spectrum: 51939
FLDKLPQQTGDR, H12R
Hyperscore=23.5568
p−value=0.0001
Intensity(%)
m/z
y10++
y10++−H2O
y11++
b2
y1
y3
b3
y7++
b7++
y4
b5
0
20
40
60
80
100
120
200
400
600
800
1000
1200

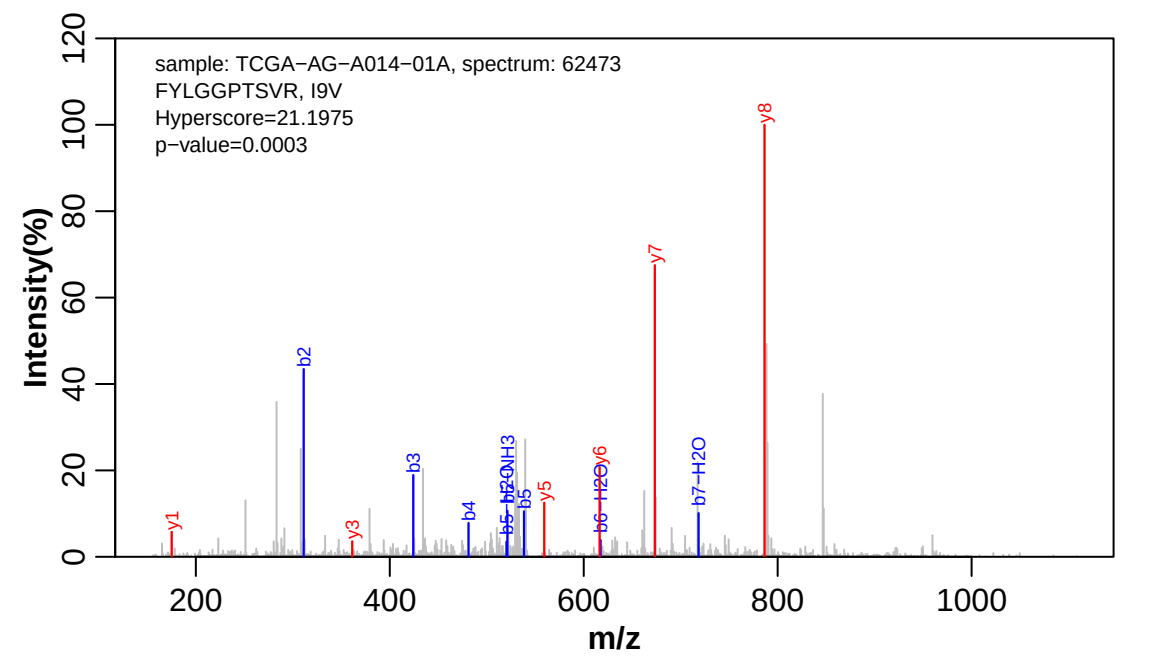

sample: TCGA−AG−A014−01A, spectrum: 99833
FLQENVFVAANHNASPLSLK, G14A
Hyperscore=29.2836
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b4
y5
y15++
y16++
b7
b8
y17++
b18++−H2O
b18++

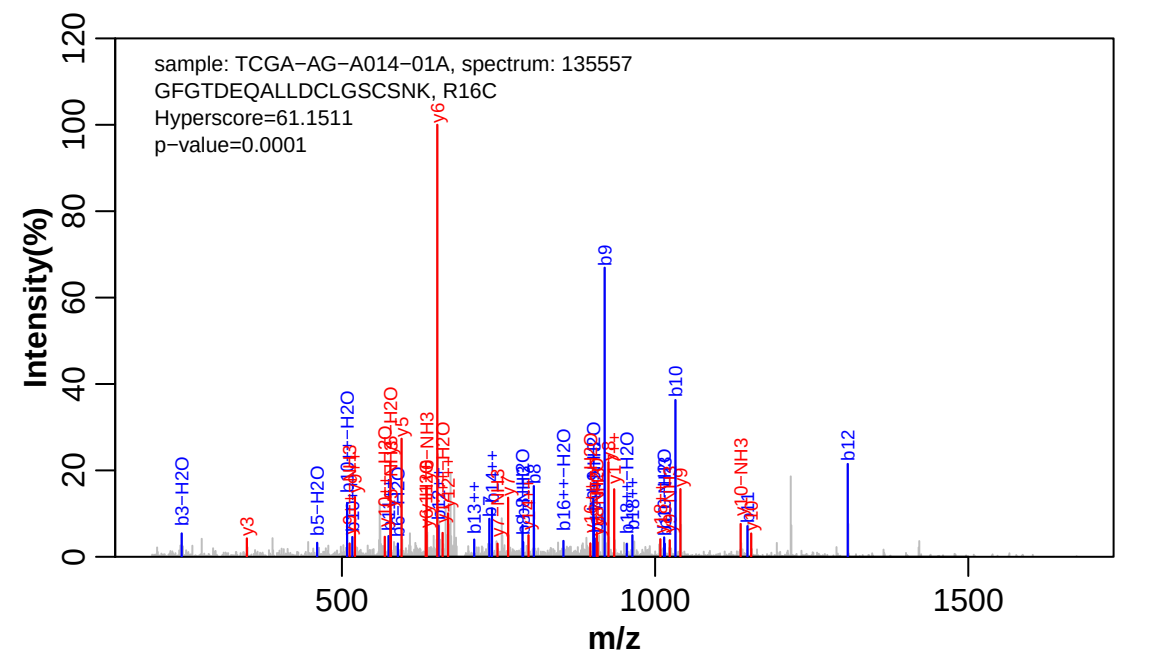

sample: TCGA−AG−A014−01A, spectrum: 7544
FNKPFVFLMLDQNTK, E11D
Hyperscore=63.6465
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
b6
b7
b11
y8−NH3
y9−H2O
y3−H2O
b2−NH3

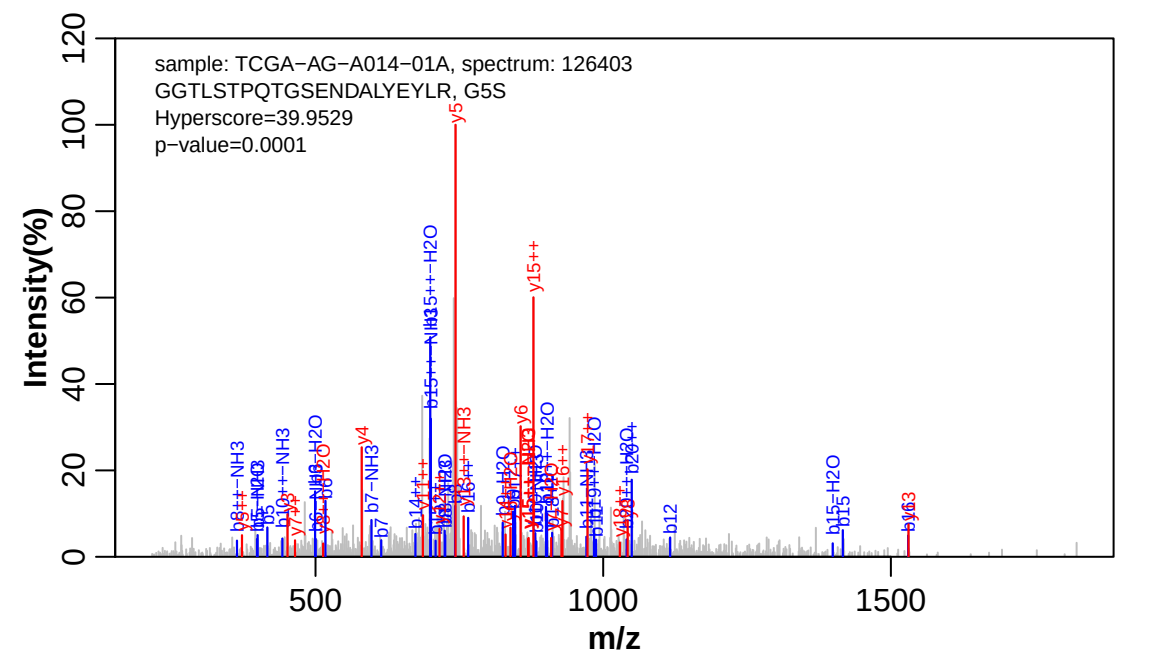

sample: TCGA−AG−A014−01A, spectrum: 55540
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=30.4610
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b2−NH3
b3−NH3
b3
b5−H2O
b5
b6−NH3
b6
y13++
y14++
y7−H2O
y15++
y16++−H2O
y16++
y17++
y18++
b18++−NH2O

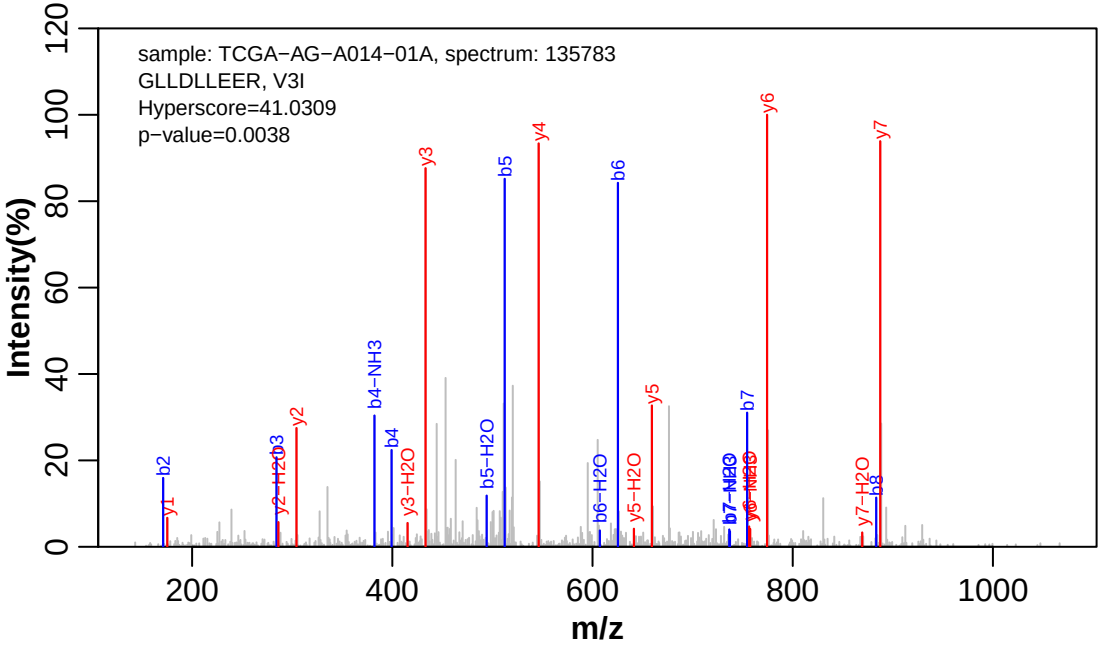

sample: TCGA−AG−A014−01A, spectrum: 94337
FTVGDHSR, I3V
Hyperscore=31.7941
p−value=0.0006
Intensity(%)
m/z
y6++
b2
y7++
y5++
y5++−H2O
y4
y5
b3
b4
b4−H2O
b4−NH3
y1−H2O
y1
b3++
y3++
b2−H2O
y2−H2O
y4++
y2
b6++−H2O
b6++
b3−H2O
y7++−H2O
y3++−H2O

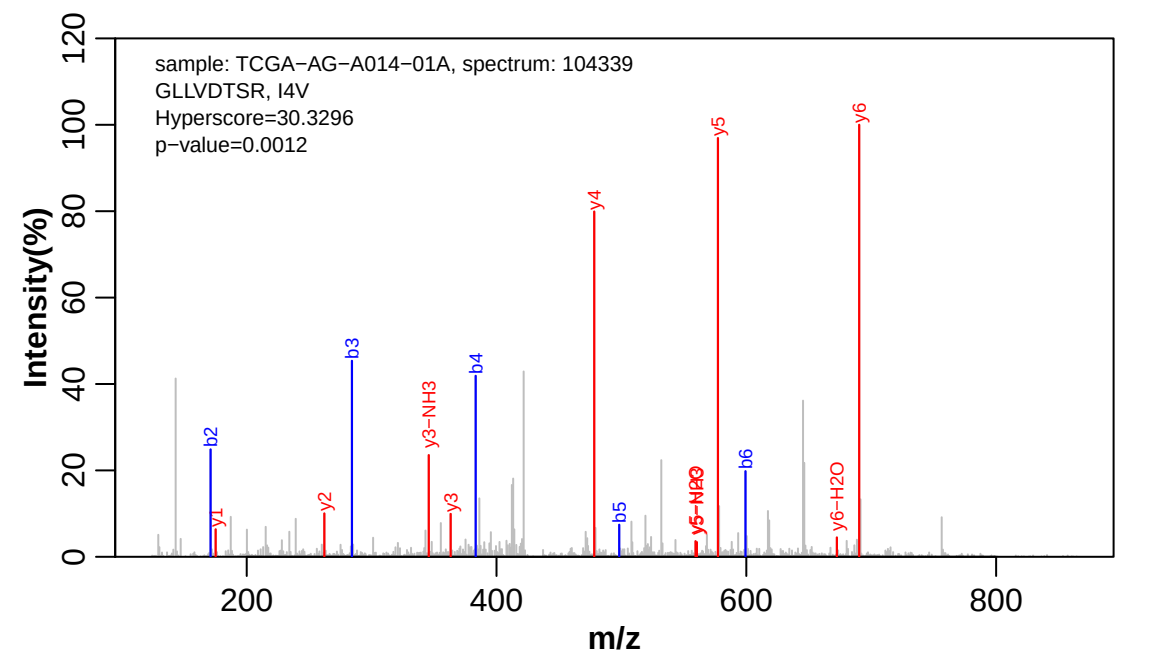

sample: TCGA−AG−A014−01A, spectrum: 55633
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=59.7368
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b6++−H2O
b9++−H2O
y4−NH3
y4
y5
b13++−H2O
b8−NH3
y6
y12++
y7−H2O
b16++
b18++−H2O
b10
b25++
y12
b17
b18
b16−H2O
b15
b19

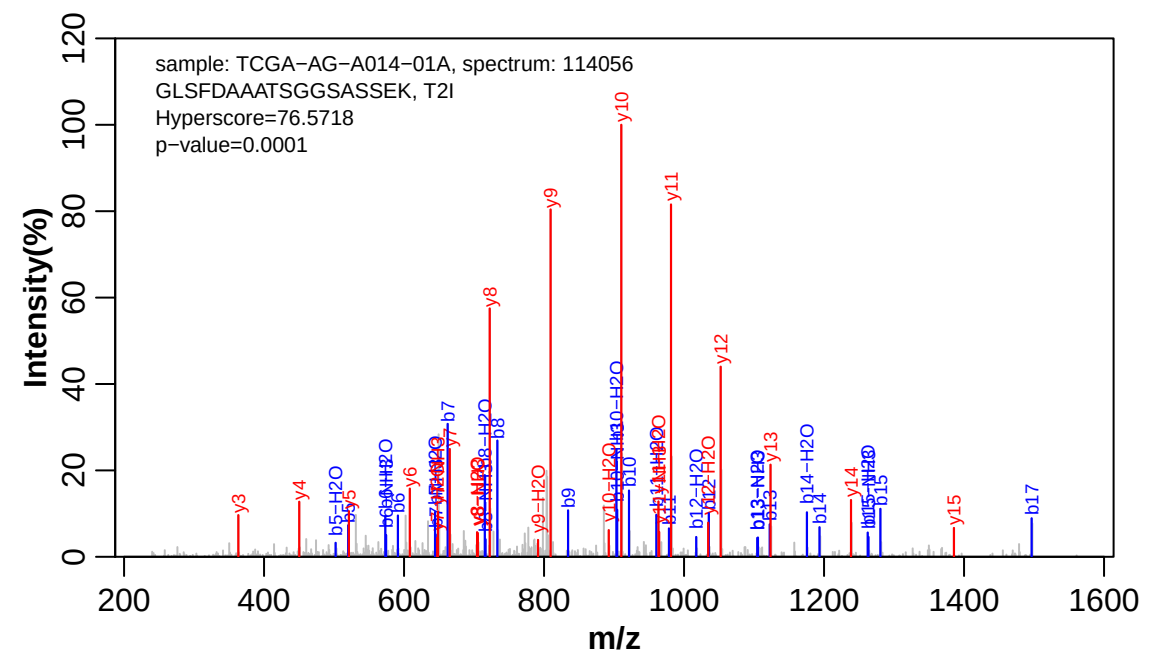

sample: TCGA−AG−A014−01A, spectrum: 62473
FYLGGPTSVR, I9V
Hyperscore=21.1975
p−value=0.0003
Intensity(%)
m/z
y1
b2
y3
b3
b4
b5−H2O−NH3
b5−H2O
b5
y5
b6−H2O
y6
y7
b7−H2O
y8

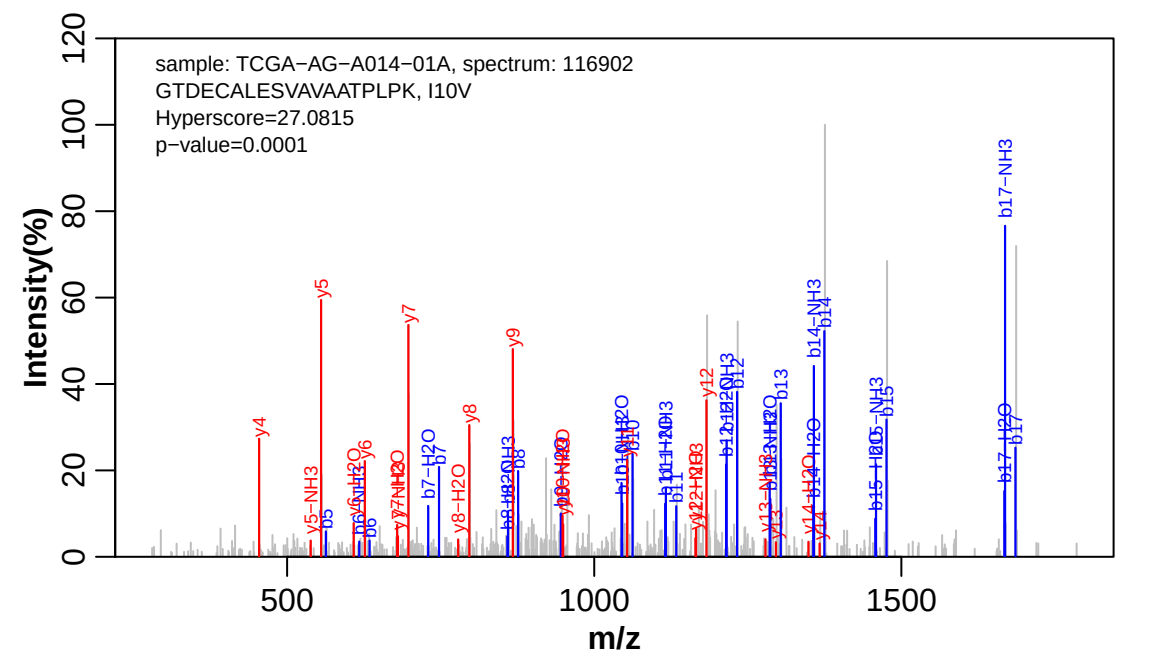

sample: TCGA−AG−A014−01A, spectrum: 135557
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=61.1511
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
b9
b10
b12
b3−H2O
y3
b5−H2O
b13++
b16++−H2O
b18++−H2O
y10−NH3
y11
y9
y7
b8

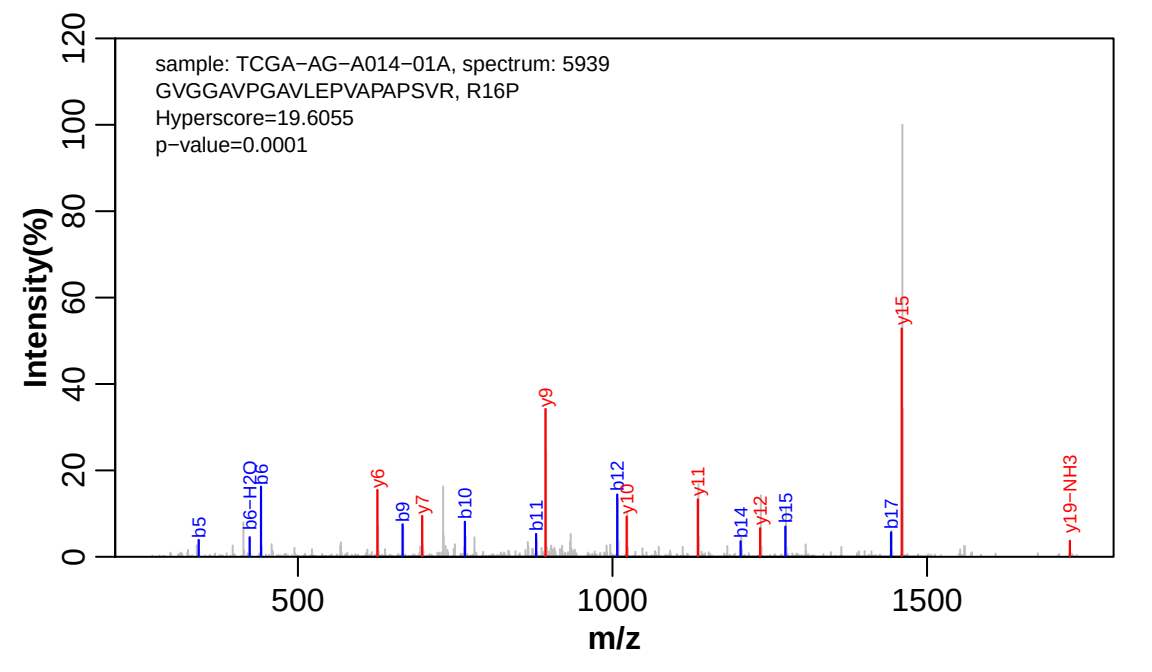

sample: TCGA−AG−A014−01A, spectrum: 126403
GGTLSTPQTGSENDALYEYLR, G5S
Hyperscore=39.9529
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
y15++
b15++−H2O
b15++−NH3
y4
b7−NH3
b7
b14++
b15
b15−H2O
b12
y16++
y6
b16++−NH3
b16++−H2O
b9++−NH3
b10++−NH3
b10++−H2O
b8−H2O
b8−NH3
b5
b6
y7++
y8++
b11−NH3
b11−H2O
b20++
b19++
b18++
b17++
b16++
b15++
b14++
b13++
b12++
b11++
b10++
b9++
b8++
b7++
b6++
b5++
b4++
b3++
y3
y4
y5
y6
y7
y8
y9
y10
y11
y12
y13
y14
y15
y16
y17
y18
y19
y20
y21
y22
y23
y24
y25
y26
y27
y28
y29
y30
y31
y32
y33
y34
y35
y36
y37
y38
y39
y40
y41
y42

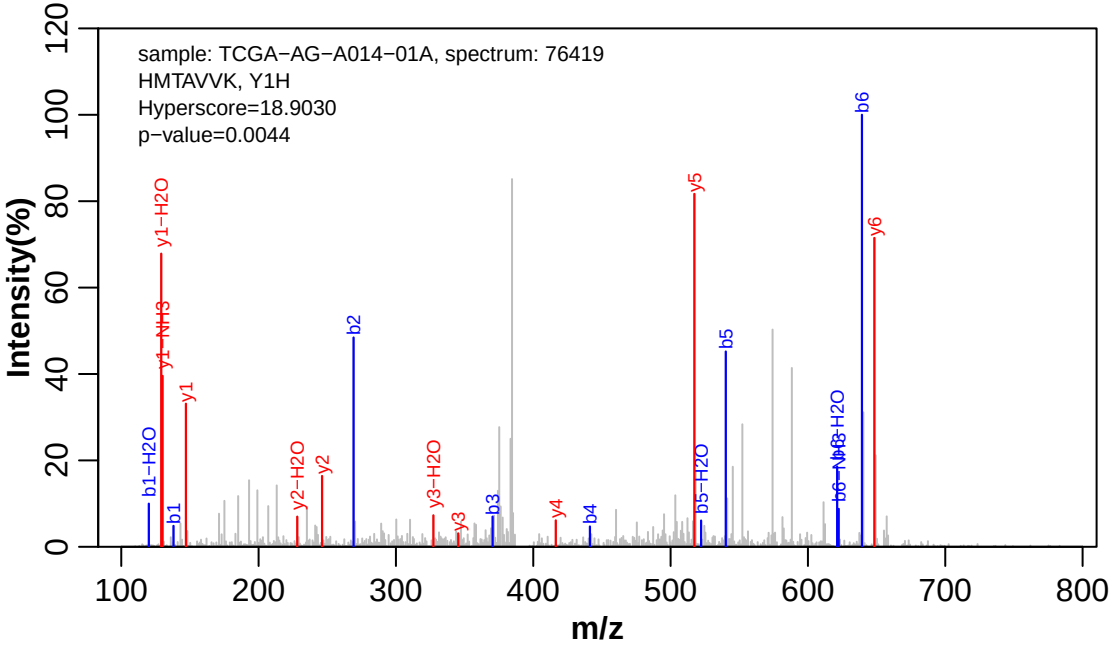

sample: TCGA−AG−A014−01A, spectrum: 135783
GLLDLLEER, V3I
Hyperscore=41.0309
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3
y2−H2O
b4
b4−NH3
y3
y3−H2O
b5
b5−H2O
y4
b6
b6−H2O
y5
y5−H2O
b7
y6
y6−NH3
y7
y7−H2O
b8

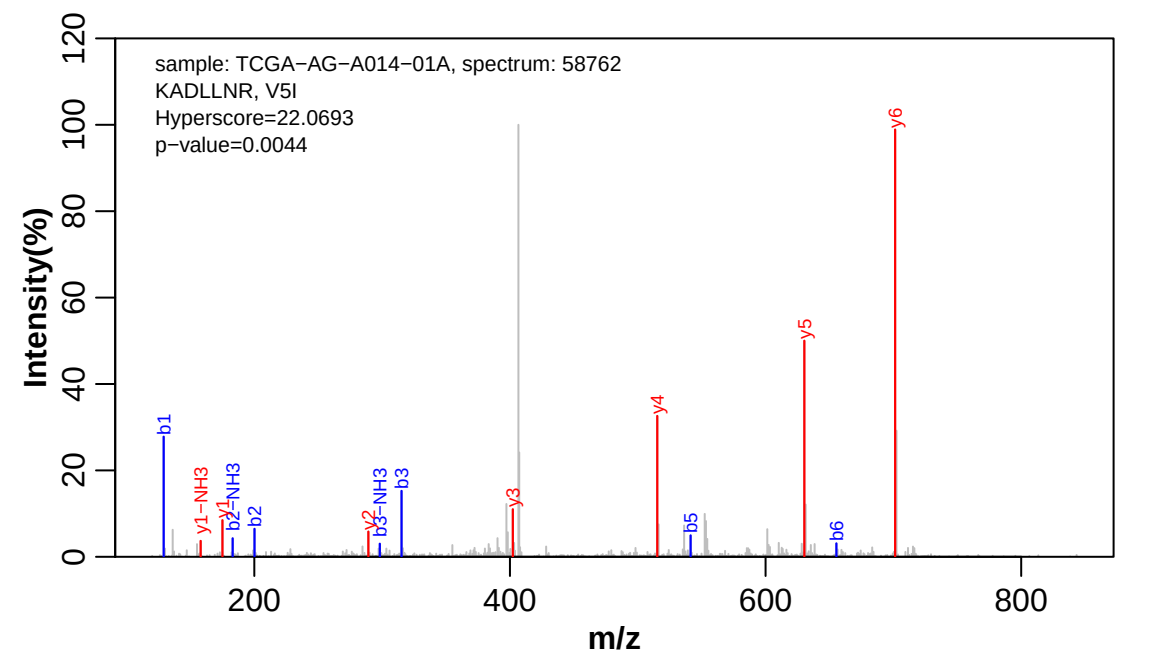

sample: TCGA−AG−A014−01A, spectrum: 104339
GLLVDTSR, I4V
Hyperscore=30.3296
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b2
y1
y2
b3
y3−NH3
y3
b4
y4
b5
y5−NH3
y5
b6
y6−H2O
y6

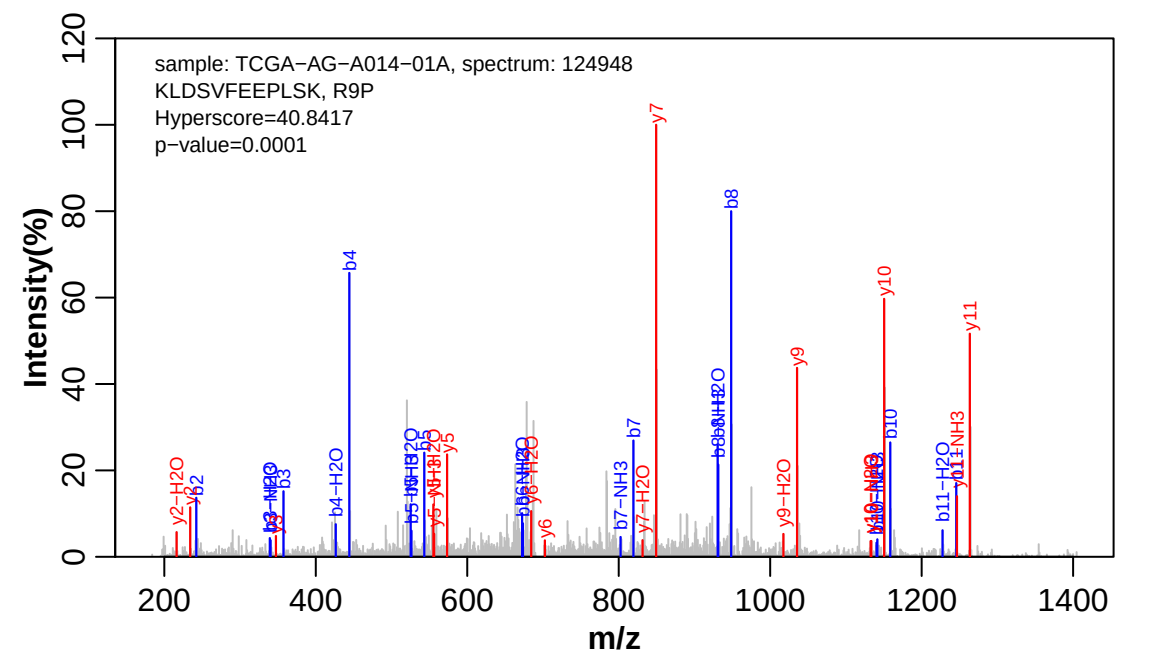

sample: TCGA−AG−A014−01A, spectrum: 114056
GLSFDAAATSGGSASSEK, T2I
Hyperscore=76.5718
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y11
y9
y8
y12
y13
y14
y15
y3
y4
y6
b17
b14−H2O
b12−H2O
b10
b9
b8
y9−H2O
y10−H2O
b5−H2O

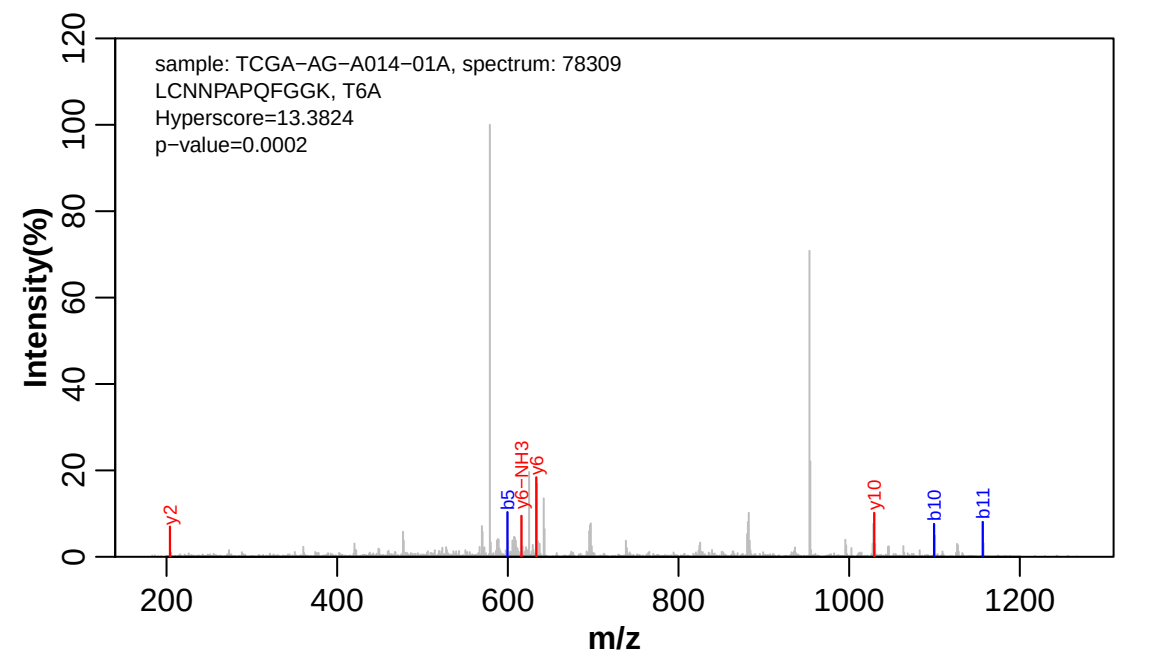

sample: TCGA−AG−A014−01A, spectrum: 116902
GTDECALESVAVAATPLPK, I10V
Hyperscore=27.0815
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y5−NH3
b5
y6
y6−NH3
y6−H2O
b6
y7
y7−NH3
y7−H2O
b7
b7−H2O
y8
y8−H2O
y9
b8
b8−NH3
b8−H2O
b9
b9−NH3
b9−H2O
b10
b10−NH3
b10−H2O
b11
b11−NH3
b11−H2O
y12
y12−NH3
y12−H2O
b12
b12−NH3
b12−H2O
b13
b13−NH3
b13−H2O
y13
y13−NH3
y13−H2O
b14
b14−NH3
b14−H2O
y14
y14−NH3
y14−H2O
b15
b15−NH3
b15−H2O
b17
b17−NH3
b17−H2O

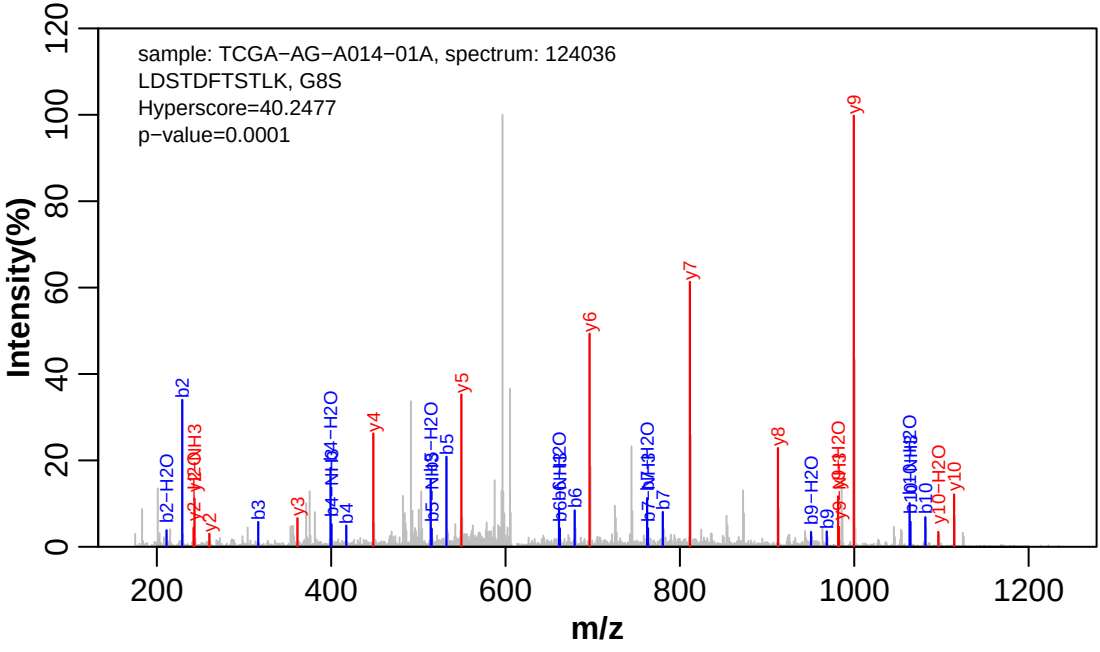

sample: TCGA−AG−A014−01A, spectrum: 5939
GVGGAVPGAVLEPVAPAPSVR, R16P
Hyperscore=19.6055
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6−H2O
b6
y6
b9
y7
b10
y9
b11
b12
y10
y11
b14
y12
b15
b17
y15
y19−NH3

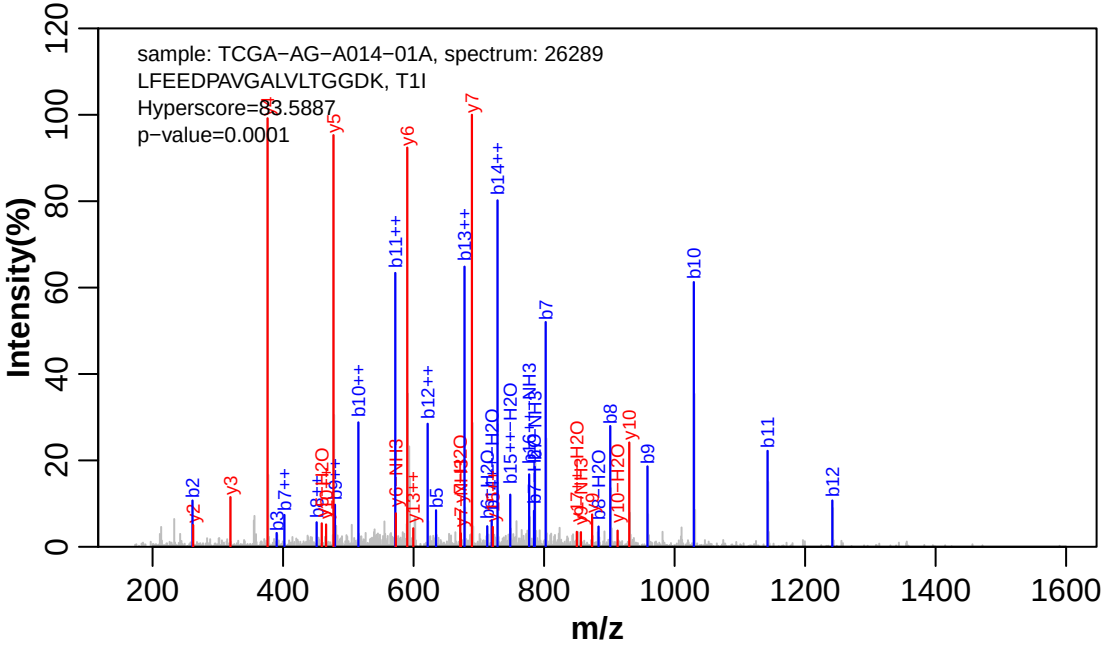

sample: TCGA−AG−A014−01A, spectrum: 76419
HMTAVVK, Y1H
Hyperscore=18.9030
p−value=0.0044
Intensity(%)
m/z
0
20
40
60
80
100
120
100
200
300
400
500
600
700
800
b1−H2O
b1
y1−H2O
y1−NH3
y1
b2
y2−H2O
y2
y3−H2O
y3
b3
y4
b4
y5
b5−H2O
b5
b6−NH3−H2O
b6
y6

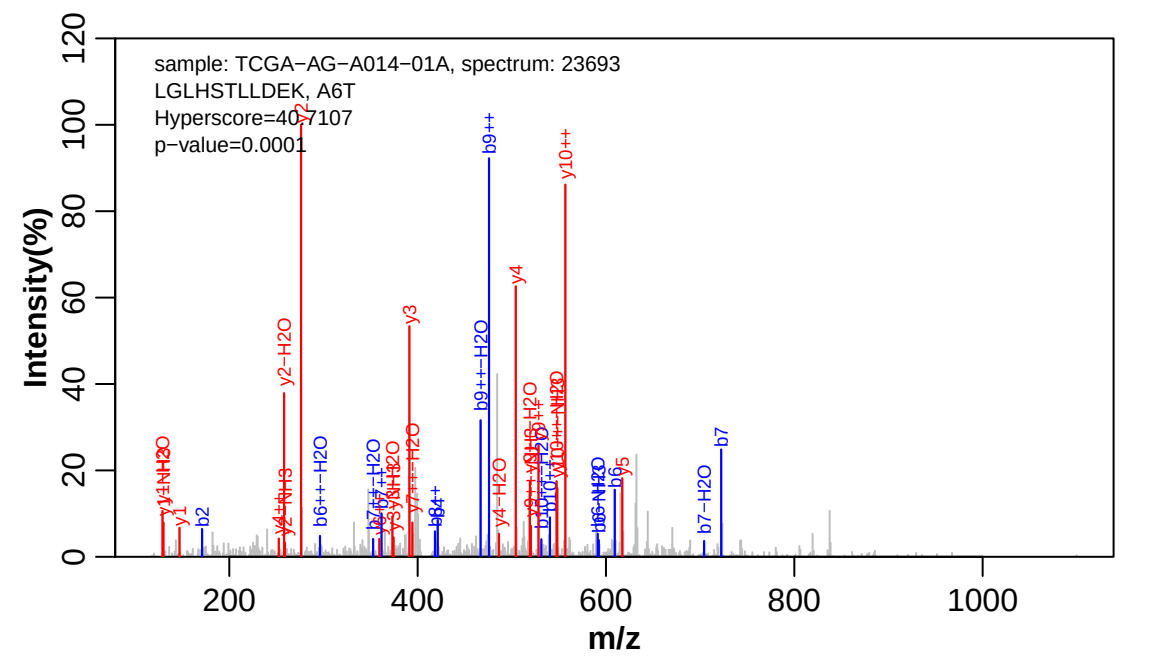

sample: TCGA−AG−A014−01A, spectrum: 58762
KADLLNR, V5I
Hyperscore=22.0693
p−value=0.0044
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b1
y1−NH3
y1
b2−NH3
b2
y2
b3−NH3
b3
y3
y4
b5
y5
b6
y6

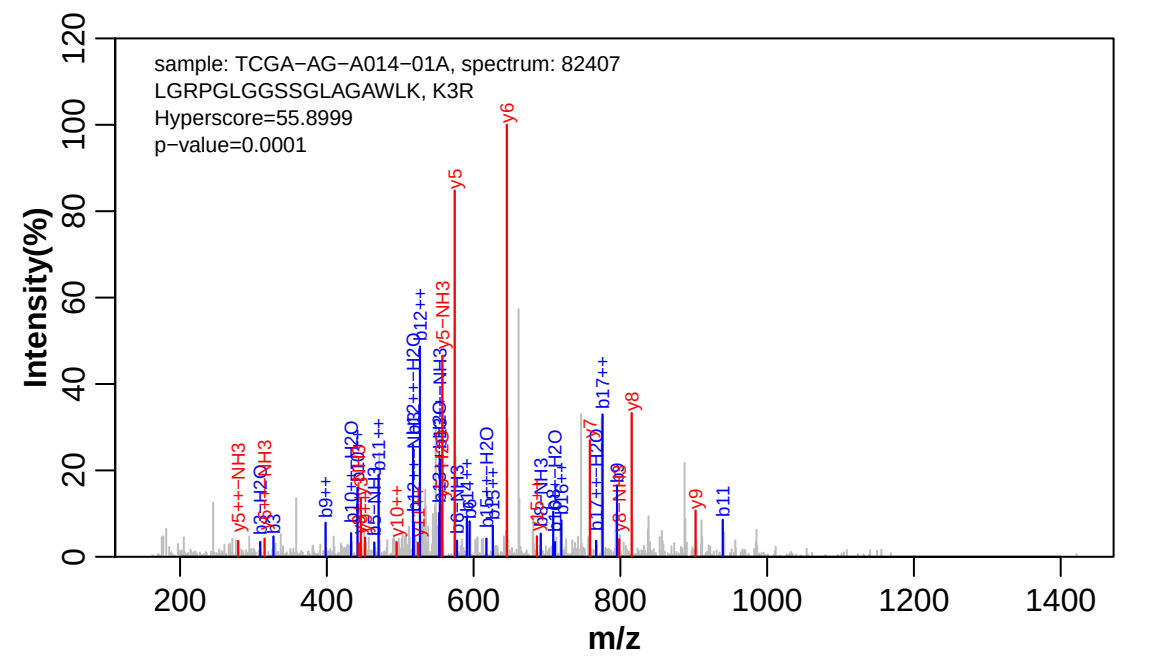

sample: TCGA−AG−A014−01A, spectrum: 124948
KLDSVFEEPLSK, R9P
Hyperscore=40.8417
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
b8
b4
y10
y11
y9
b7
b10
y5
y6
b5
b6
y2−H2O
b2
b4−H2O
b7−NH3
y7−H2O
y9−H2O
b11−H2O
y11−NH3

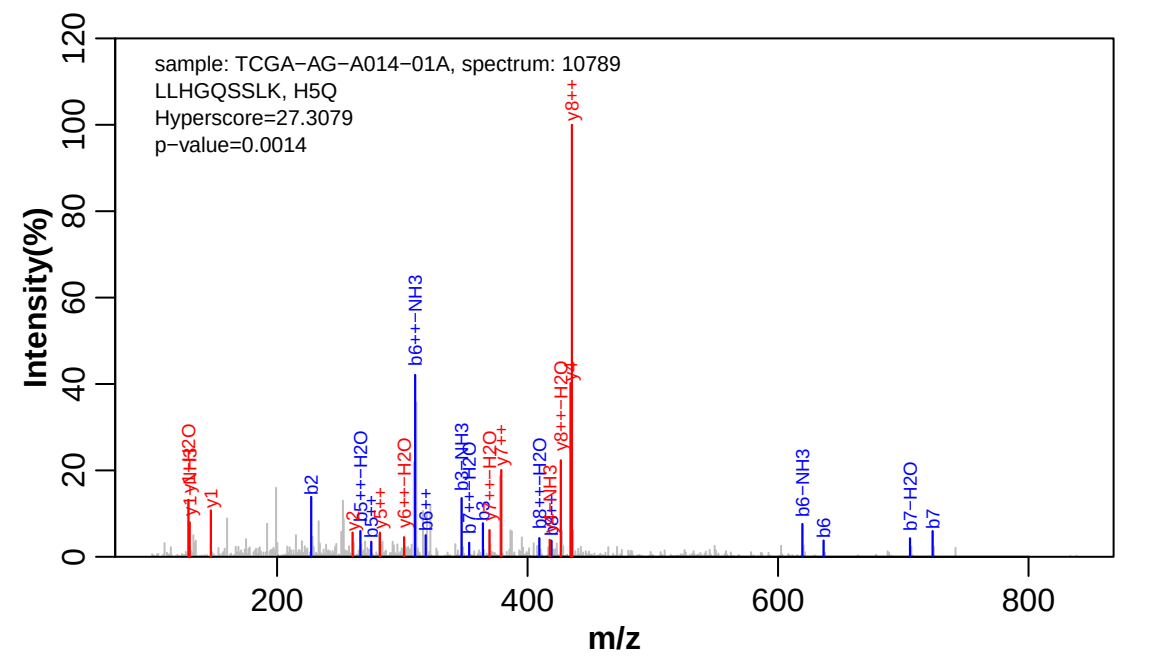

sample: TCGA−AG−A014−01A, spectrum: 78309
LCNNPAPQFGGK, T6A
Hyperscore=13.3824
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
m/z
y2
b5
y6−NH3
y6
y10
b10
b11

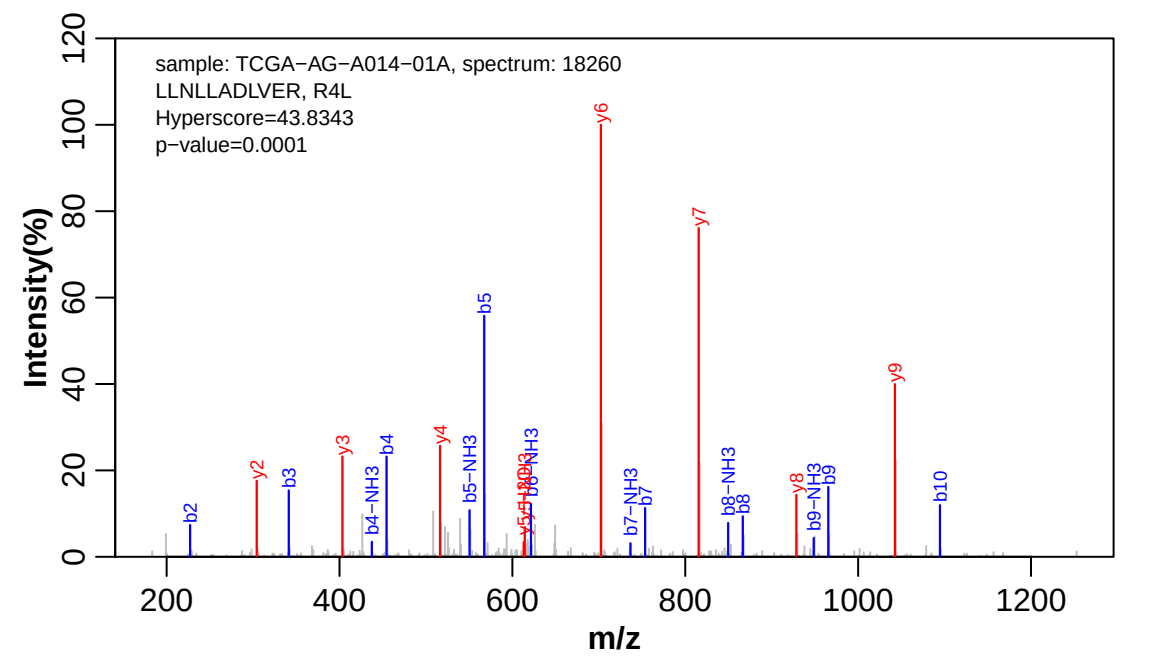

sample: TCGA−AG−A014−01A, spectrum: 124036
LDSTDFTSTLK, G8S
Hyperscore=40.2477
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y9
y7
y6
y8
y5
y4
b2
b2−H2O
b3
y3
b4
b4−H2O
b5
b5−H2O
b6
b6−H2O
b7
b7−H2O
b9
b9−H2O
b10
b10−H2O
y10
y10−H2O
y2

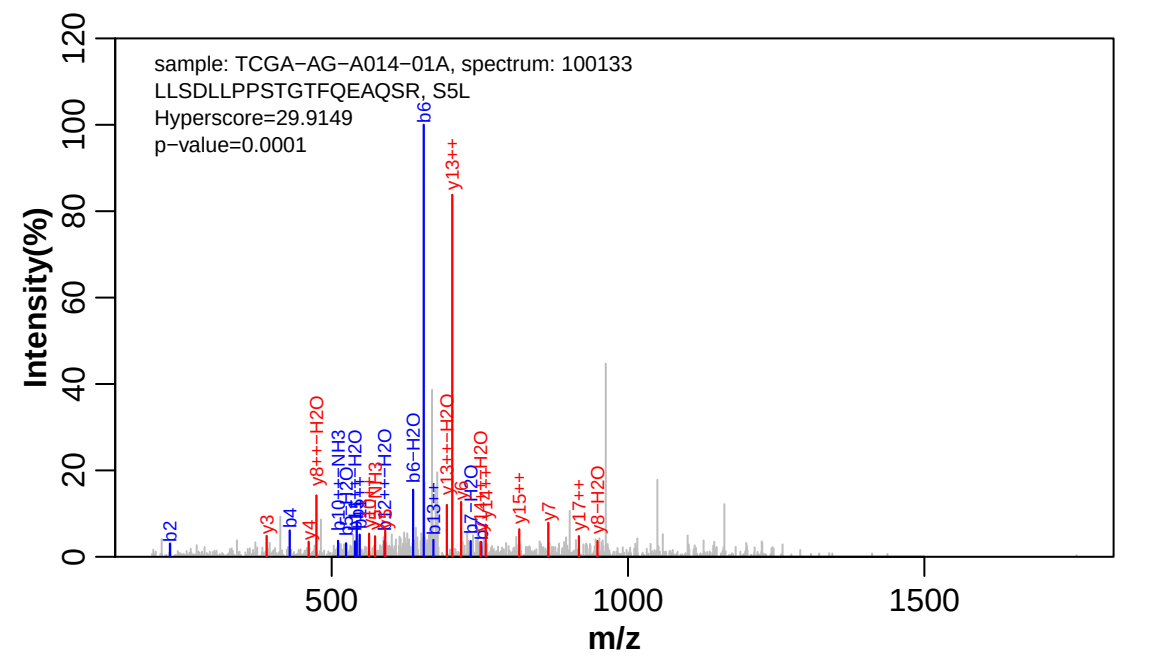

sample: TCGA−AG−A014−01A, spectrum: 26289
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=33.5887
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4
y5
y6
y7
b10
b11
b12
b14++
b13++
b11++
b10++
b12++
b7
b8
y10
b9
y2
b2
y3
b3
b7++
b5
y10−H2O
y10−NH3
b15++−H2O
b15++−NH3

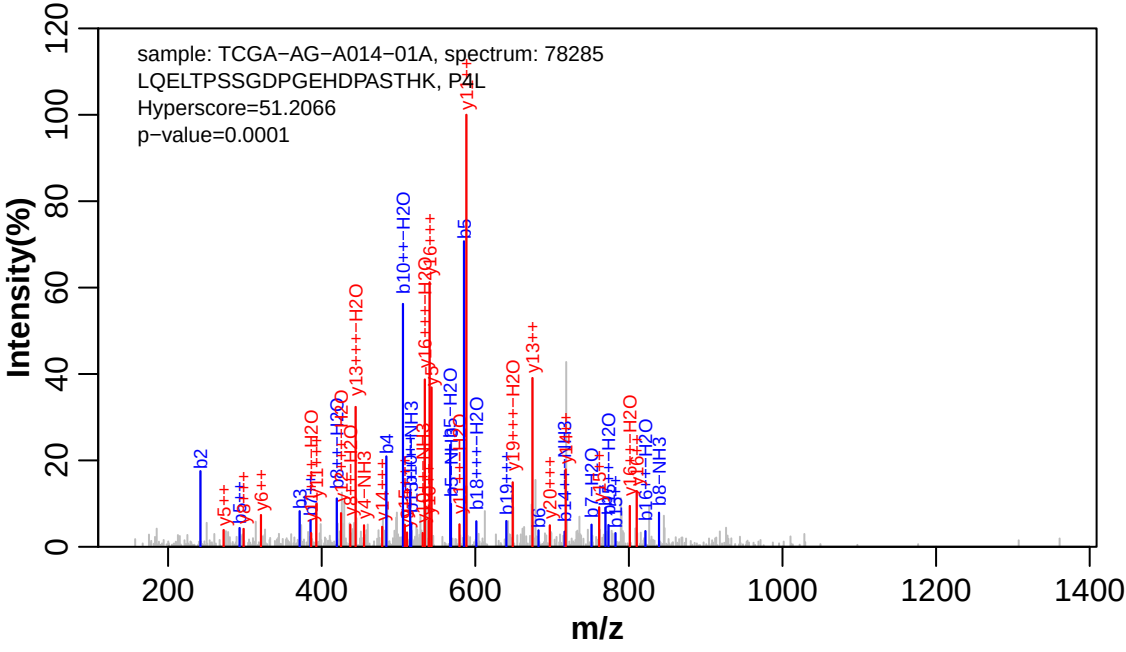

sample: TCGA−AG−A014−01A, spectrum: 23693
LGLHSTLLDEK, A6T
Hyperscore=40.7107
p−value=0.0001
Intensity(%)
m/z
y2
b9++
y10++
y4
y3
y2−H2O
b9++−H2O
y4−H2O
b6++−H2O
b7−H2O
y1
b2
b6
y5
b7

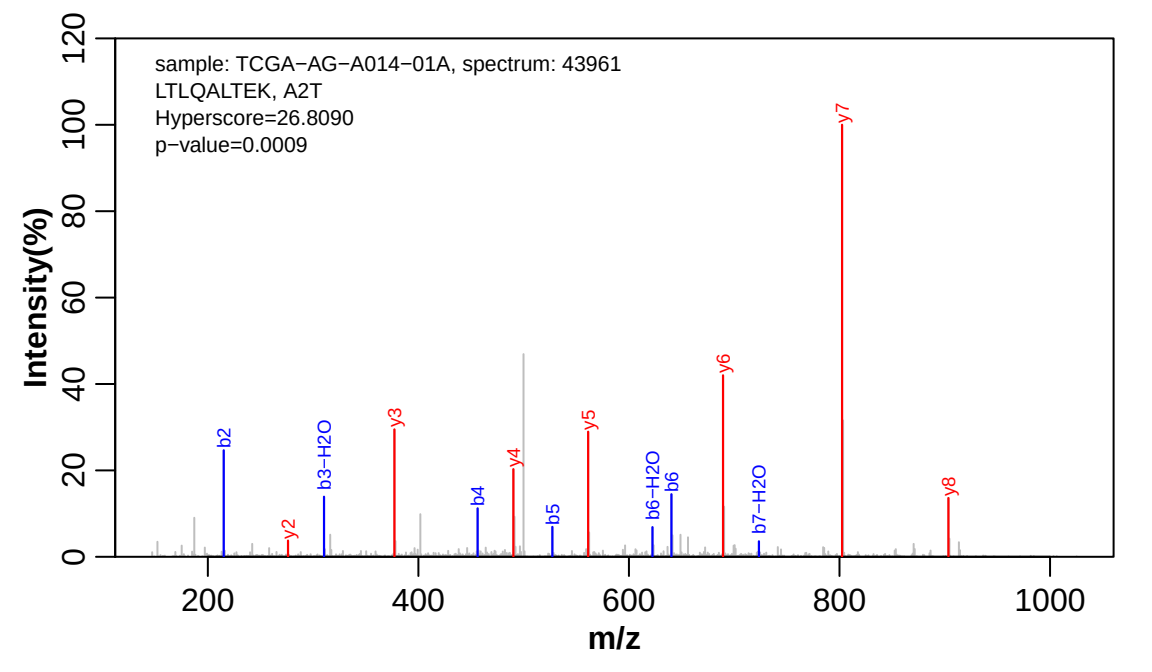

sample: TCGA−AG−A014−01A, spectrum: 82407
LGRPGLGGSSGLAGAWLK, K3R
Hyperscore=55.8999
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6
y5
y5−NH3
y8
y9
b11
b17++
b15++H2O
b12++
y10++
y5++−NH3
b9++

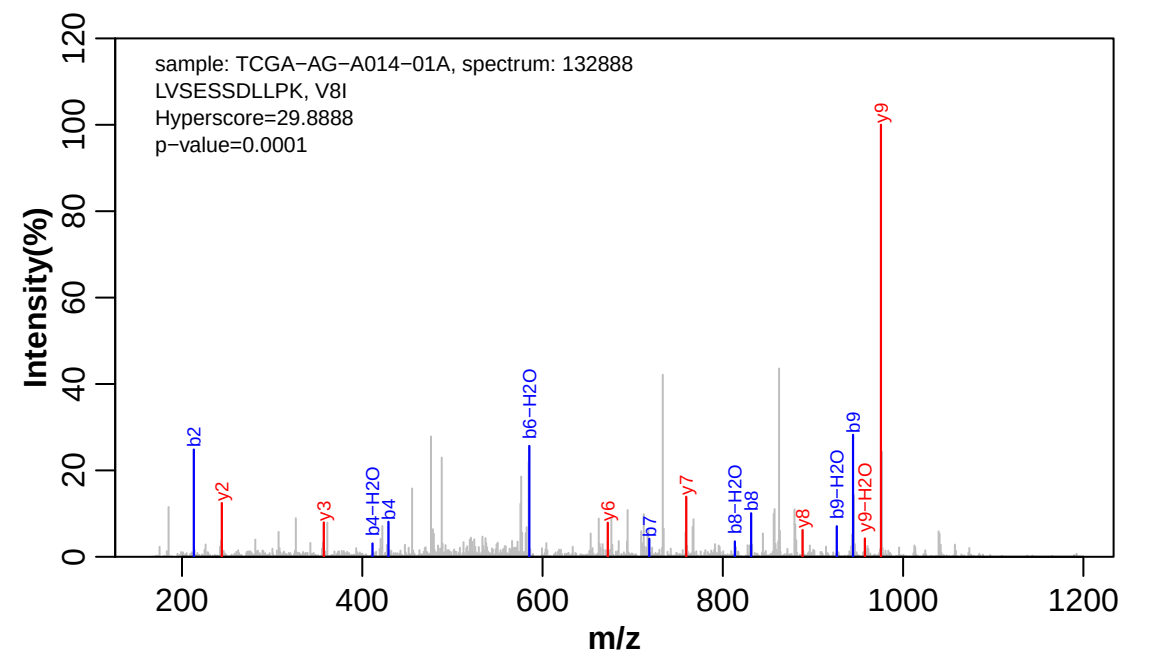

sample: TCGA−AG−A014−01A, spectrum: 10789
LLHGQSSLK, H5Q
Hyperscore=27.3079
p−value=0.0014
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y8++
y7
y8++−H2O
b6++−NH3
y6++−H2O
y5++−H2O
b3++−NH3
b3++−H2O
y7++−H2O
y7++
b8++−H2O
b8++−NH3
b6−NH3
b6
b7−H2O
b7
y4++−NH3
y4++−H2O
y1
b2
y2
b5++
y5++
b6++

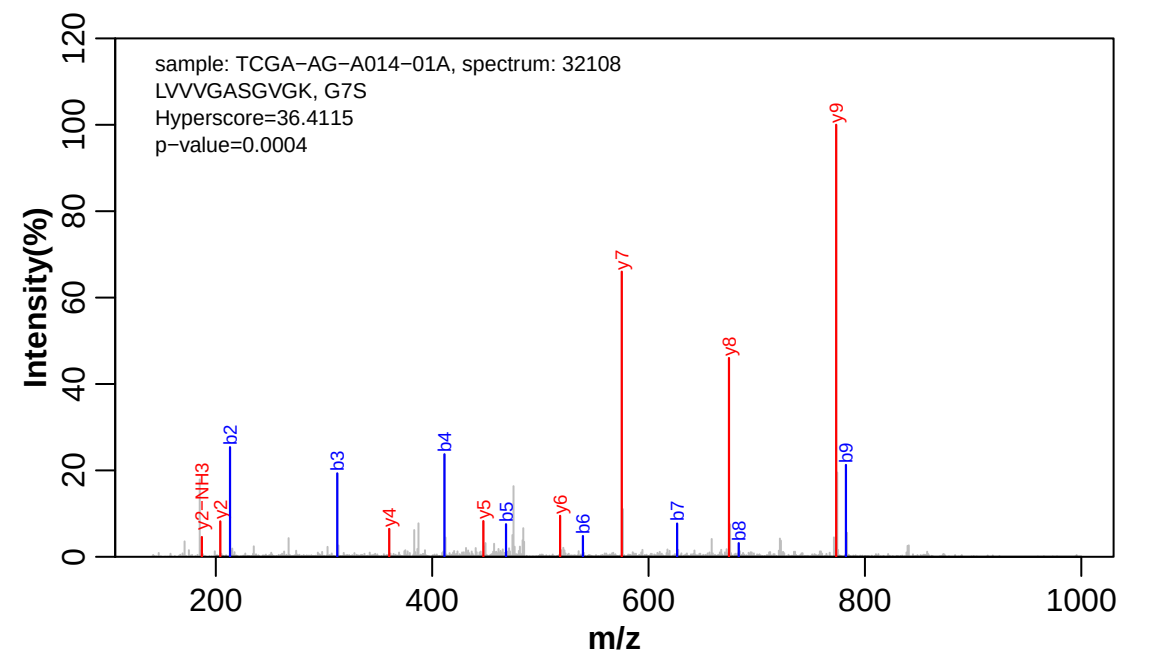

sample: TCGA−AG−A014−01A, spectrum: 18260
LLNLLADLVER, R4L
Hyperscore=43.8343
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y2
y3
y4
b5
b2
b3
b4
b4−NH3
b5−NH3
b7−NH3
b7
b8−NH3
b8
b9−NH3
b9
b10

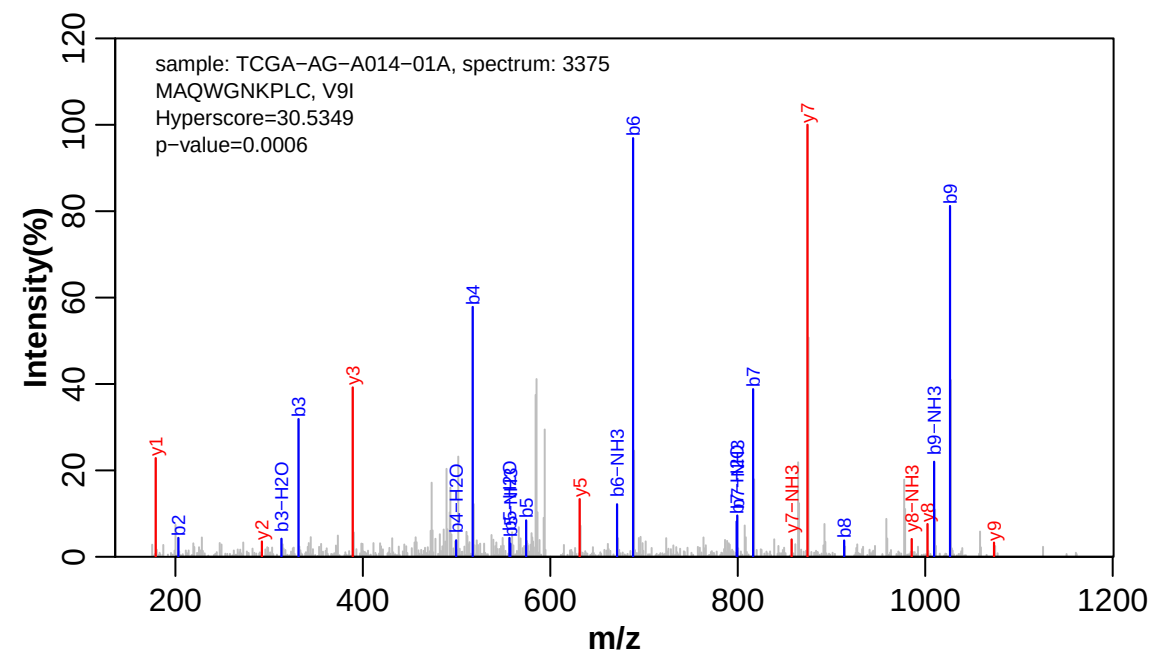

sample: TCGA−AG−A014−01A, spectrum: 100133
LLSDLLPPSTGTFQEAQSR, S5L
Hyperscore=29.9149
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b4
y4
y8++−H2O
b6
b6−H2O
b13++
y13++
y13++−H2O
y15++
y7
y17++
y8−H2O

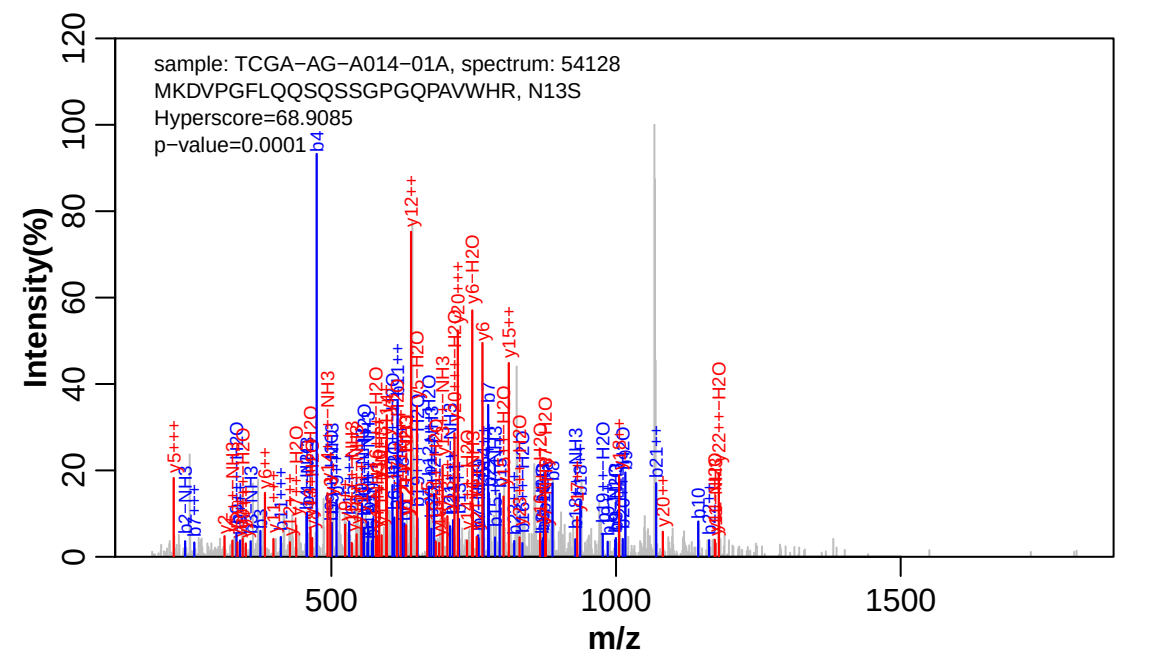

sample: TCGA−AG−A014−01A, spectrum: 78285
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=51.2066
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y5++
b3++
y6++
b3
y7++
y11++−H2O
b8++−H2O
y8++−H2O
y13+++−H2O
y4−NH3
y14+++
b4
b10++−H2O
y16+++−H2O
y5
b5
y13++
b18+++−H2O
b19++
y19+++−H2O
b6
y20+++
b14++−NH3
b7++−H2O
b15++−H2O
b16++−H2O
b8−NH3

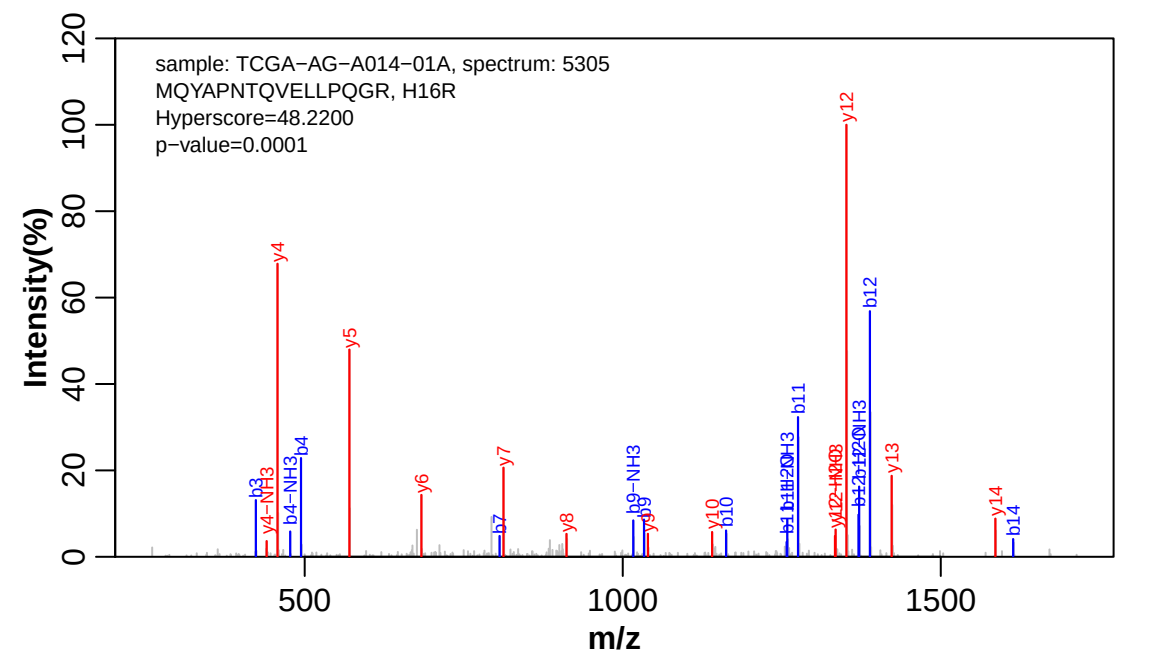

sample: TCGA−AG−A014−01A, spectrum: 43961
LTLQALTEK, A2T
Hyperscore=26.8090
p−value=0.0009
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b2
y2
b3−H2O
y3
b4
y4
b5
y5
b6−H2O
b6
y6
b7−H2O
y7
y8

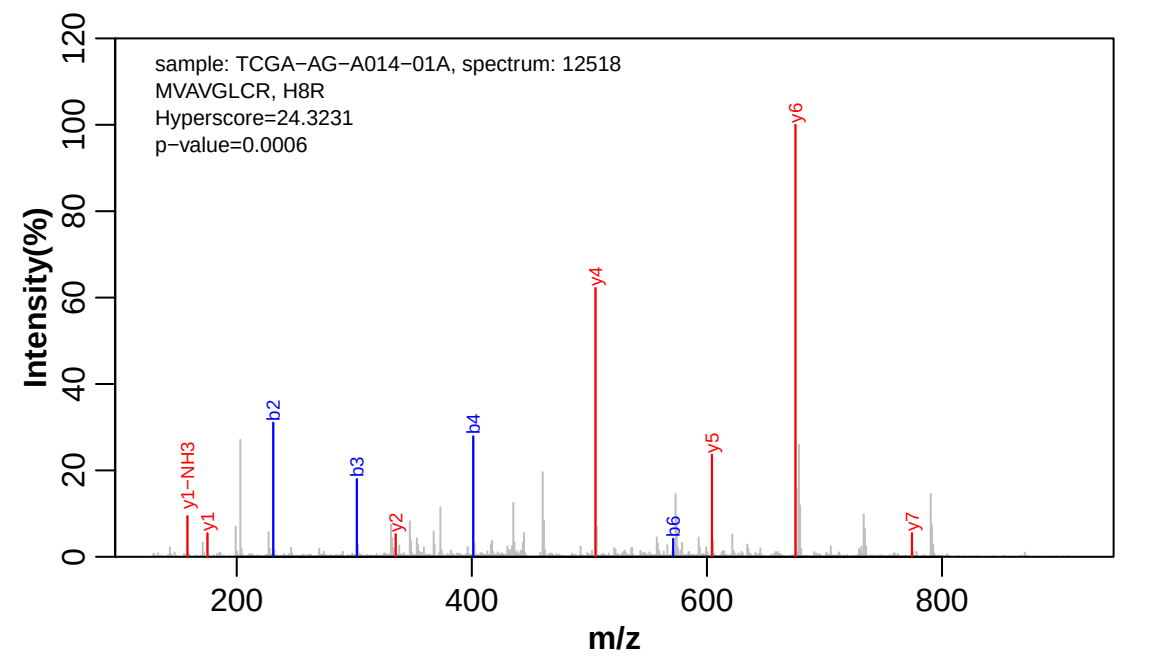

sample: TCGA−AG−A014−01A, spectrum: 132888
LVSESSDLLPK, V8I
Hyperscore=29.8888
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b4−H2O
b4
b6−H2O
y6
b7
y7
b8−H2O
b8
y8
b9−H2O
b9
y9−H2O
y9

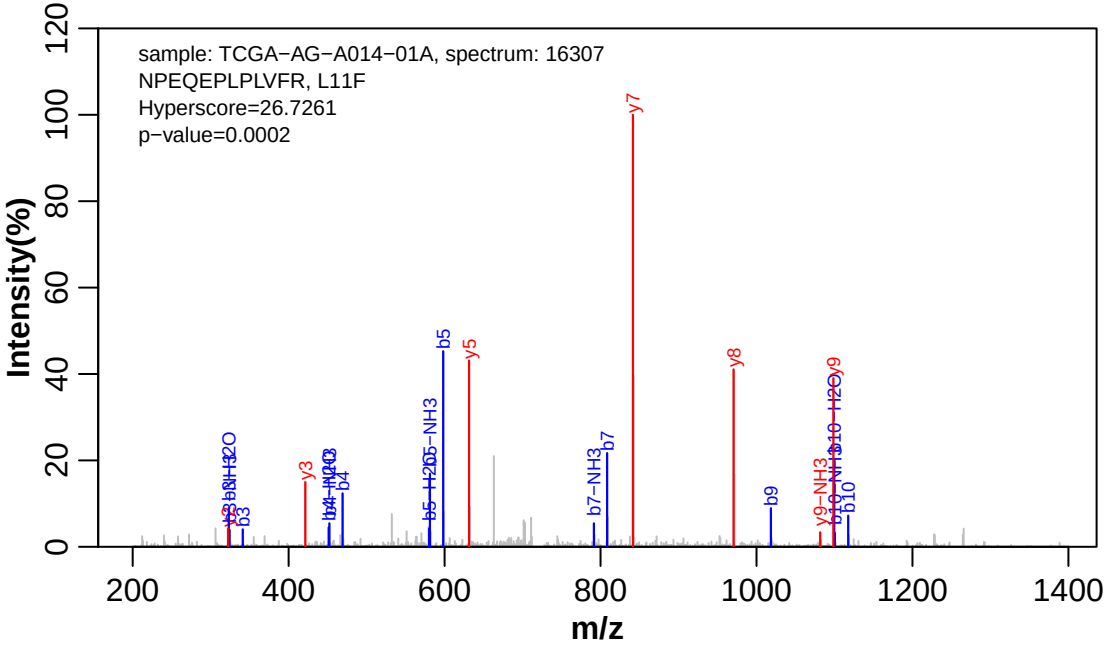

sample: TCGA−AG−A014−01A, spectrum: 32108
LVVVGASGVGK, G7S
Hyperscore=36.4115
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y9
y7
y8
b2
b3
b4
b9
y2−NH3
y2
y4
y5
b5
y6
b6
b7
b8

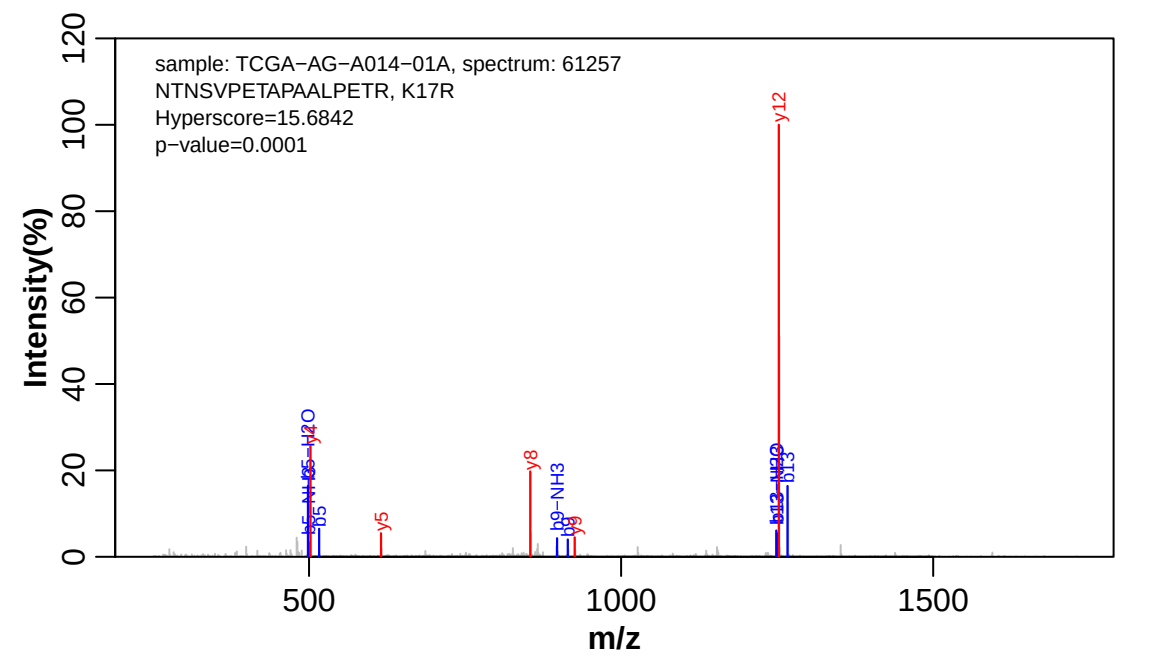

sample: TCGA−AG−A014−01A, spectrum: 3375
MAQWGNKPLC, V9I
Hyperscore=30.5349
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
b5
y5
b6−NH3
b6
b7
y7−NH3
y7
b8
y8−NH3
y8
b9−NH3
b9
y9

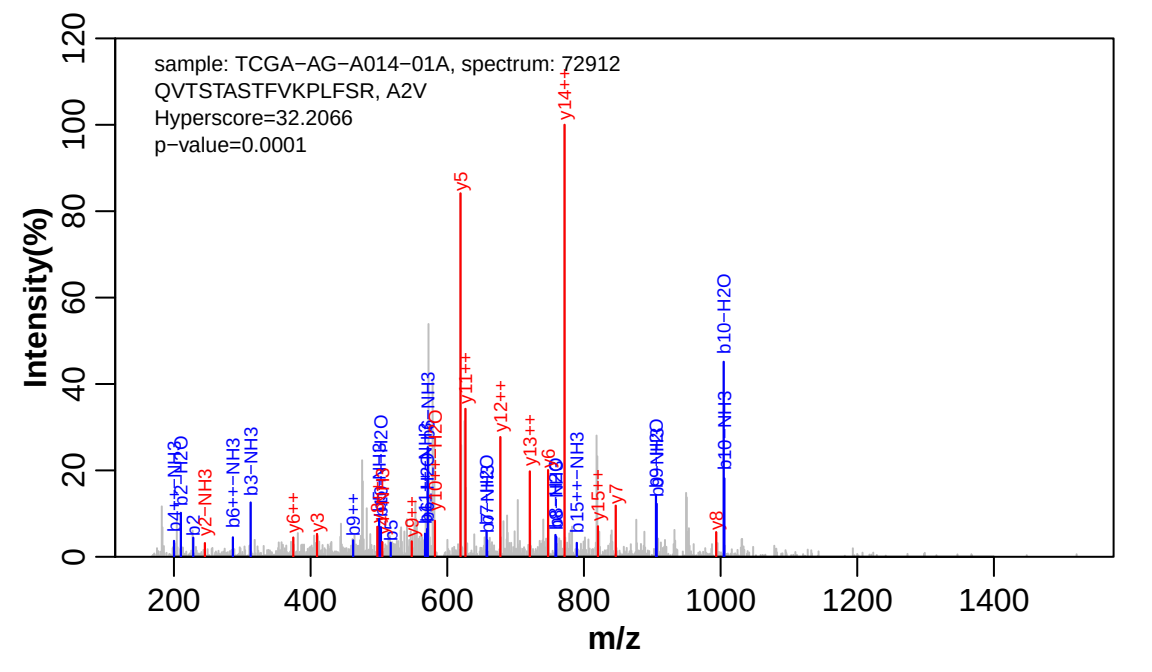

sample: TCGA−AG−A014−01A, spectrum: 54128
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=68.9085
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y12++
y6−H2O
y6
y15++
y5++
b2−NH3
y20+++
b21++
y22++−H2O
b10

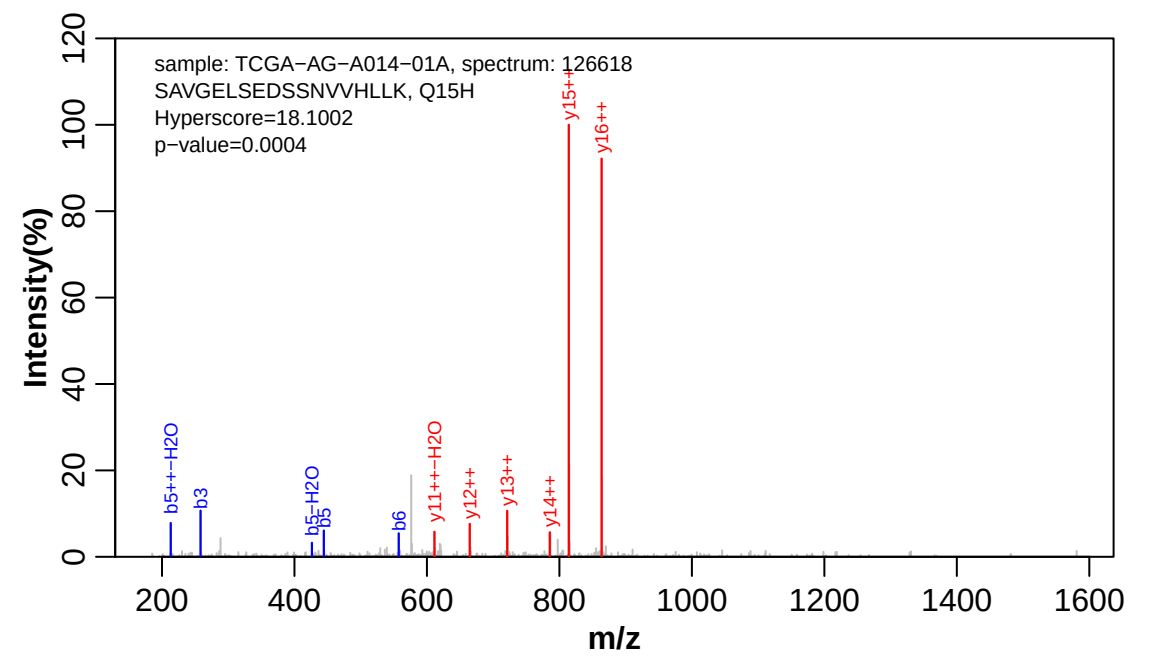

sample: TCGA−AG−A014−01A, spectrum: 5305
MQYAPNTQVELLPQGR, H16R
Hyperscore=48.2200
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y8
y9
y10
y12
y13
y14
b3
b4
b7
b9
b10
b11
b12
b14
y4−NH3
b4−NH3
b9−NH3

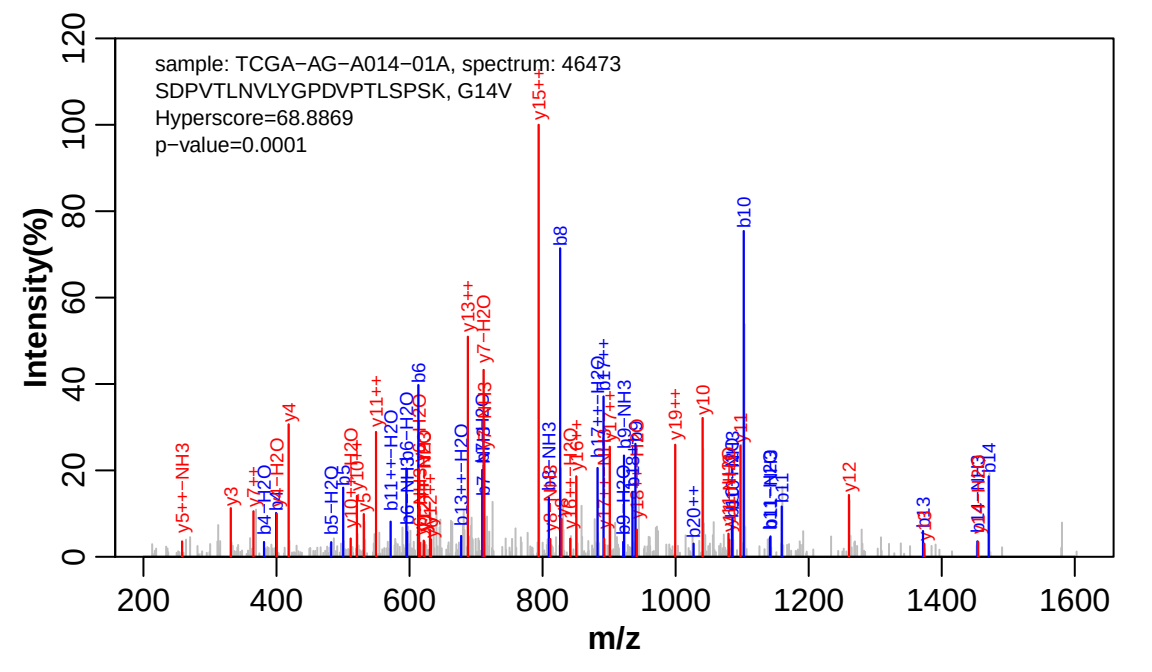

sample: TCGA−AG−A014−01A, spectrum: 12518
MVAVGLCR, H8R
Hyperscore=24.3231
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2
b3
y2
b4
y4
b6
y5
y6
y7

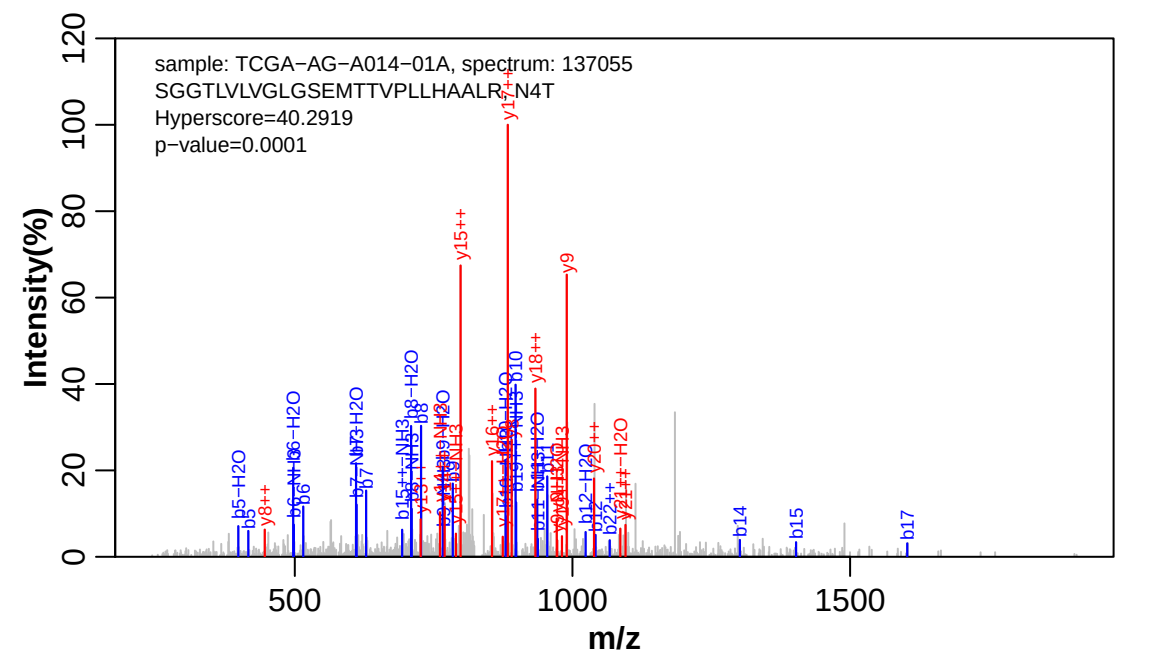

sample: TCGA−AG−A014−01A, spectrum: 16307
NPEQEPLPLVFR, L11F
Hyperscore=26.7261
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
b5
y5
y8
y9
y9−NH3
y9−H2O
b10
b10−NH3
b10−H2O
b9
b7
b7−NH3
y3
b3
b4
b5−NH3
b5−H2O

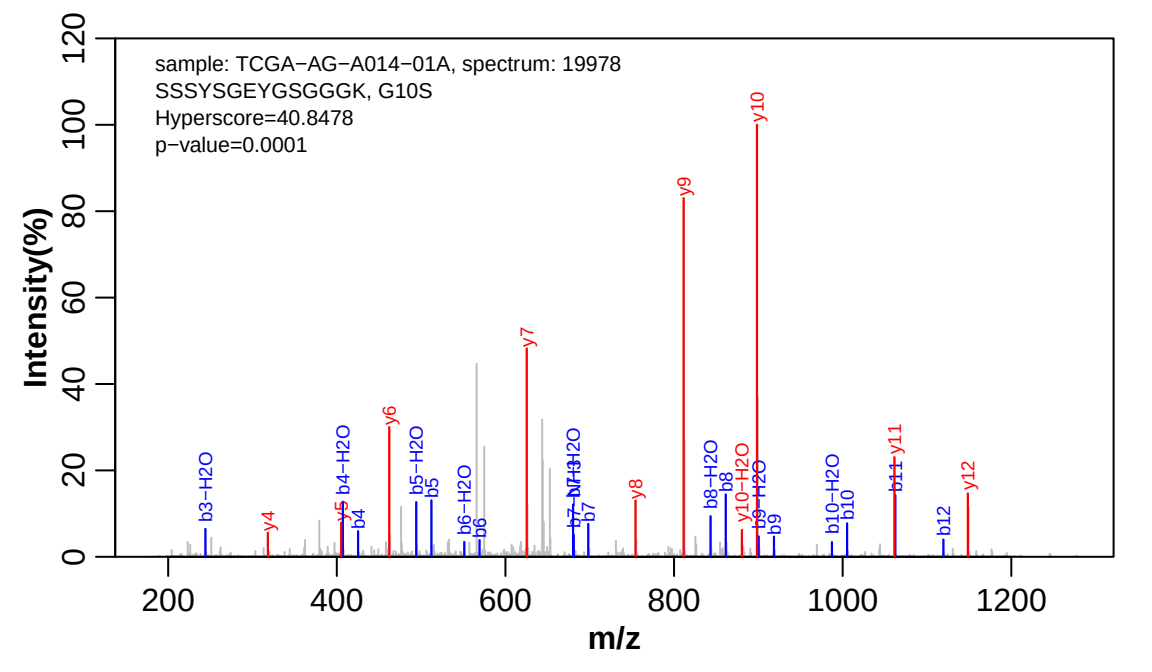

sample: TCGA−AG−A014−01A, spectrum: 61257
NTNSVPETAPAALPETR, K17R
Hyperscore=15.6842
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
y4
b9−NH3
b5
b13

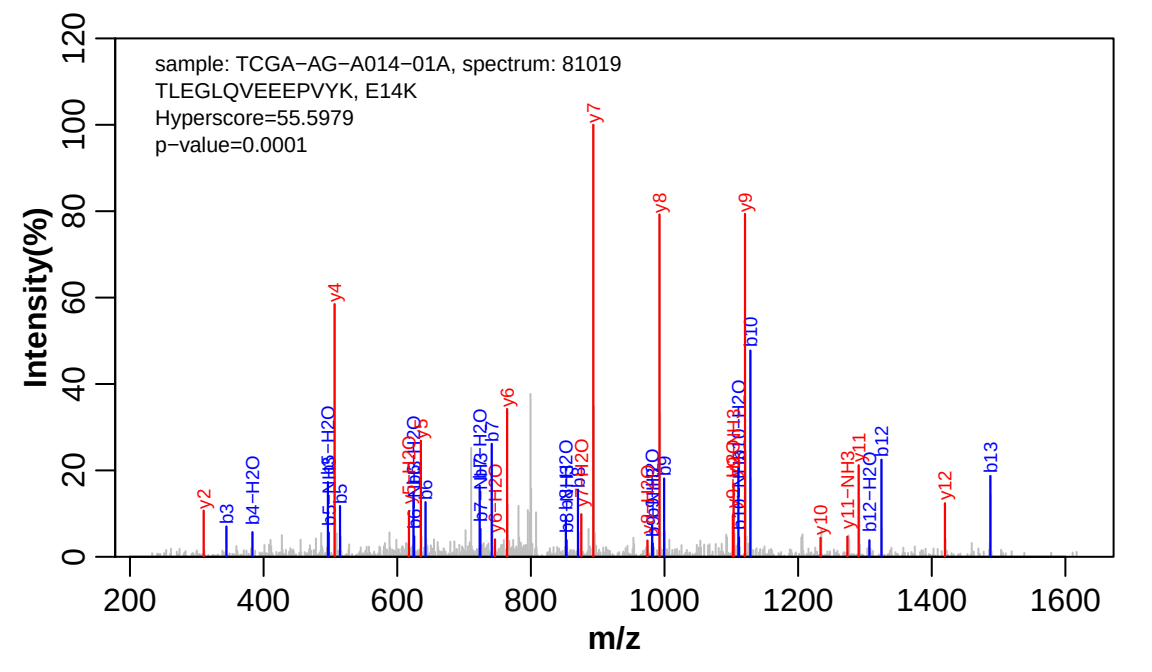

sample: TCGA−AG−A014−01A, spectrum: 72912
QVTSTASTFVKPLFSR, A2V
Hyperscore=32.2066
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y14++
y5
y11++
y12++
y13++
b10−H2O
b10−NH3
y15++
y7
y8
b15++−NH3
b3−NH3
b6++−NH3
y2−NH3
b2
b4++−NH3
y6++
y3
b9++
y9++

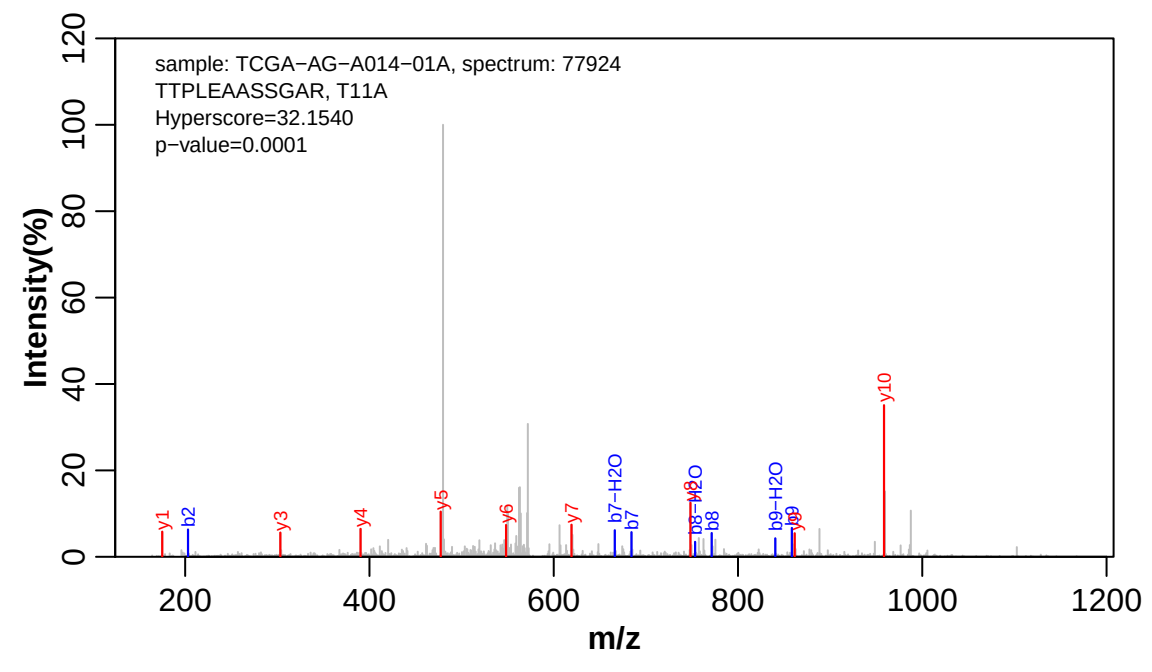

sample: TCGA−AG−A014−01A, spectrum: 126618
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=18.1002
p−value=0.0004
Intensity(%)
m/z
b5++−H2O
b3
b5−H2O
b5
b6
y11++−H2O
y12++
y13++
y14++
y15++
y16++

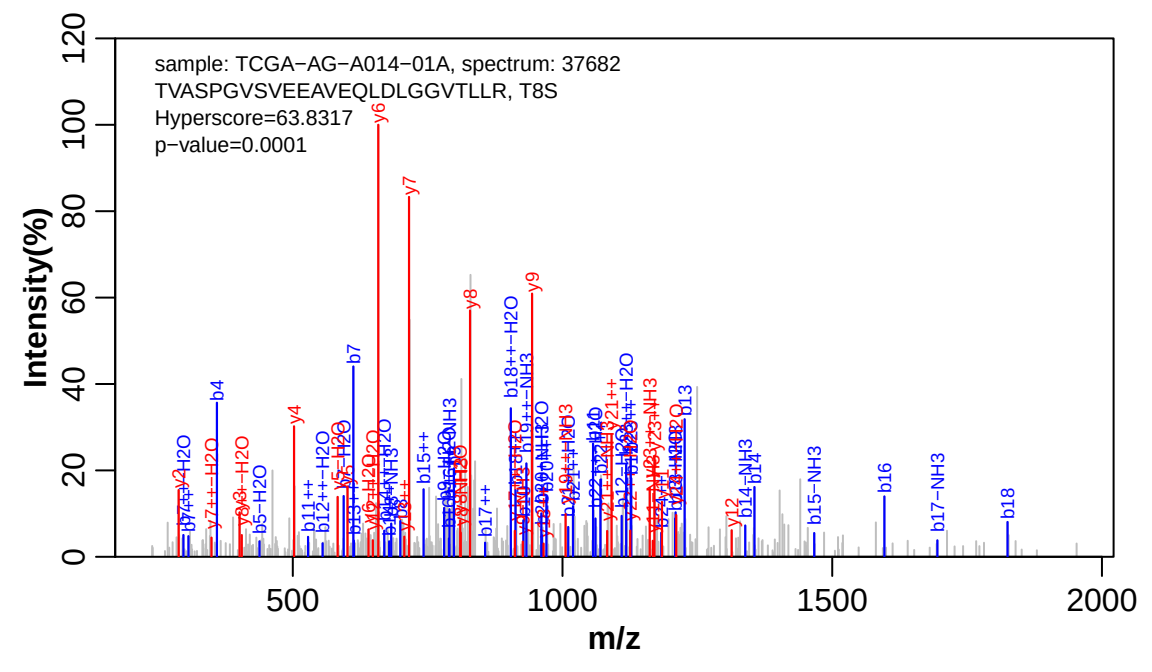

sample: TCGA−AG−A014−01A, spectrum: 46473
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=68.8869
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y15++
b8
b10
y13++
y7−H2O
y5++−NH3
y3
y4
y4−H2O
y11++
b11++−H2O
b13++−H2O
y19++
y10
y12
b14
b14−NH3
b20++

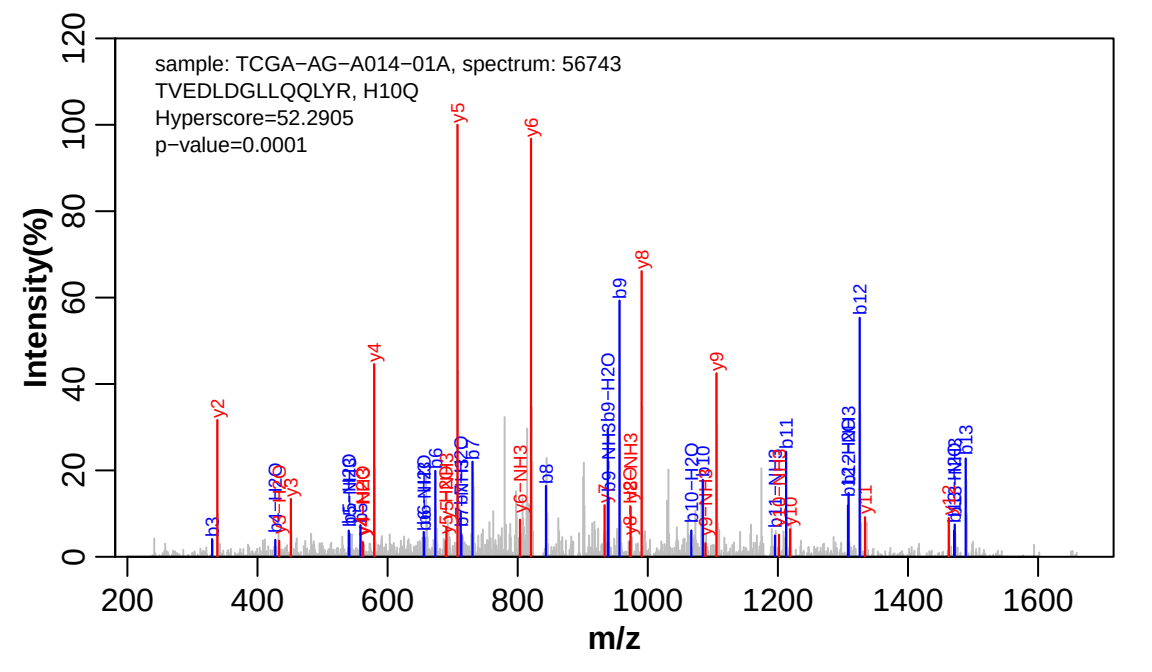

sample: TCGA−AG−A014−01A, spectrum: 137055
SGGTLVLVGLGSEMTTVPLLHAALR_N4T
Hyperscore=40.2919
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y15++
y9
y18++
y8++
b14
b15
b17

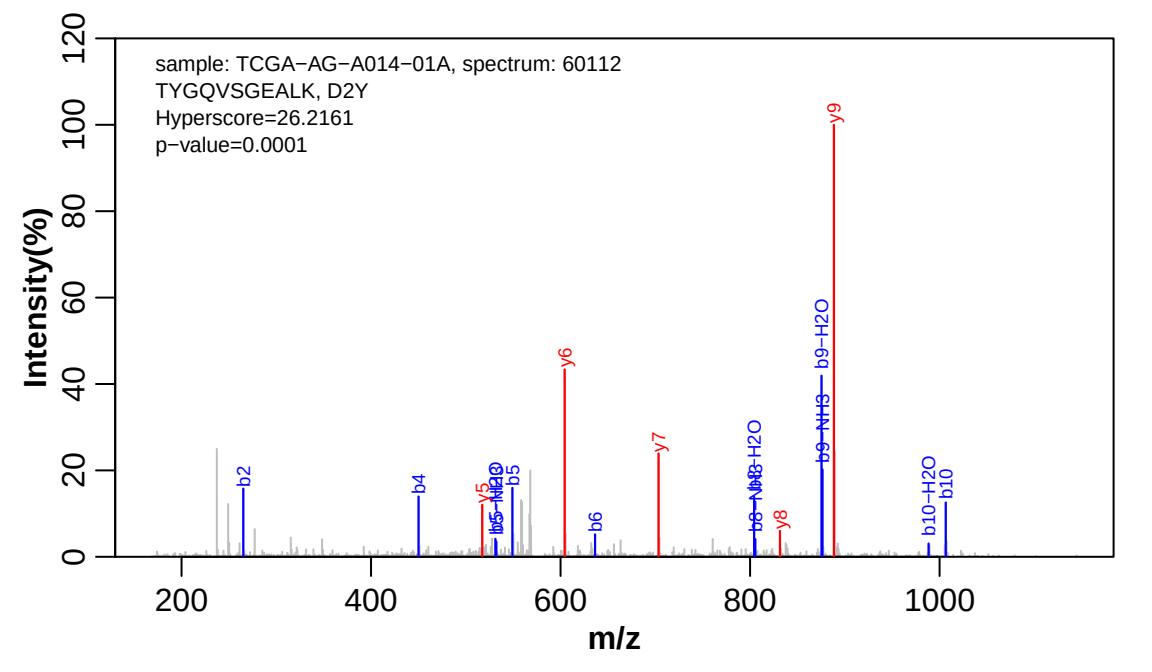

sample: TCGA−AG−A014−01A, spectrum: 19978
SSSYSGEYGSGGGK, G10S
Hyperscore=40.8478
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
y5
b4−H2O
b4
y6
b5−H2O
b5
b6−H2O
b6
y7
b7−H2O
b7
y8
y9
b8−H2O
b8
y10−H2O
y10
b9−H2O
b9
b10−H2O
b10
b11
y11
b12
y12

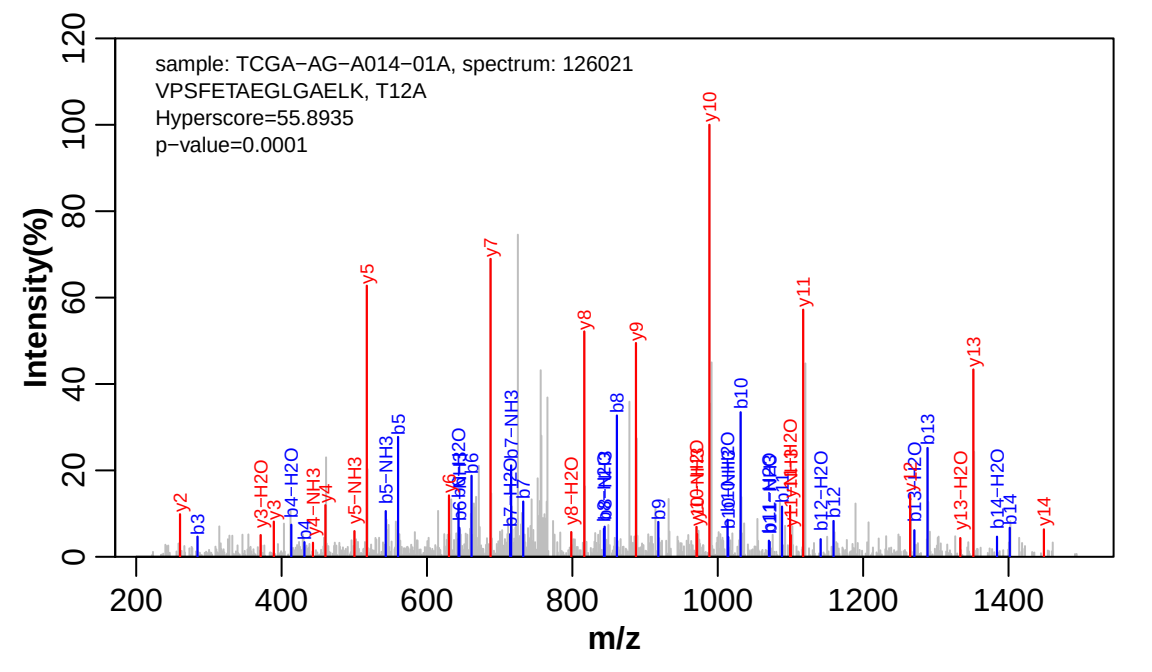

sample: TCGA−AG−A014−01A, spectrum: 81019
TLEGLQVEEEPVYK, E14K
Hyperscore=55.5979
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y8
y9
y4
y6
y5
b10
b12
b13
y12
y10
y11
y2
b3
b4−H2O
b5−H2O
b5
b6
b7
b7−H2O
y6−H2O
y5−H2O
y5−NH3
y11−NH3
b12−H2O

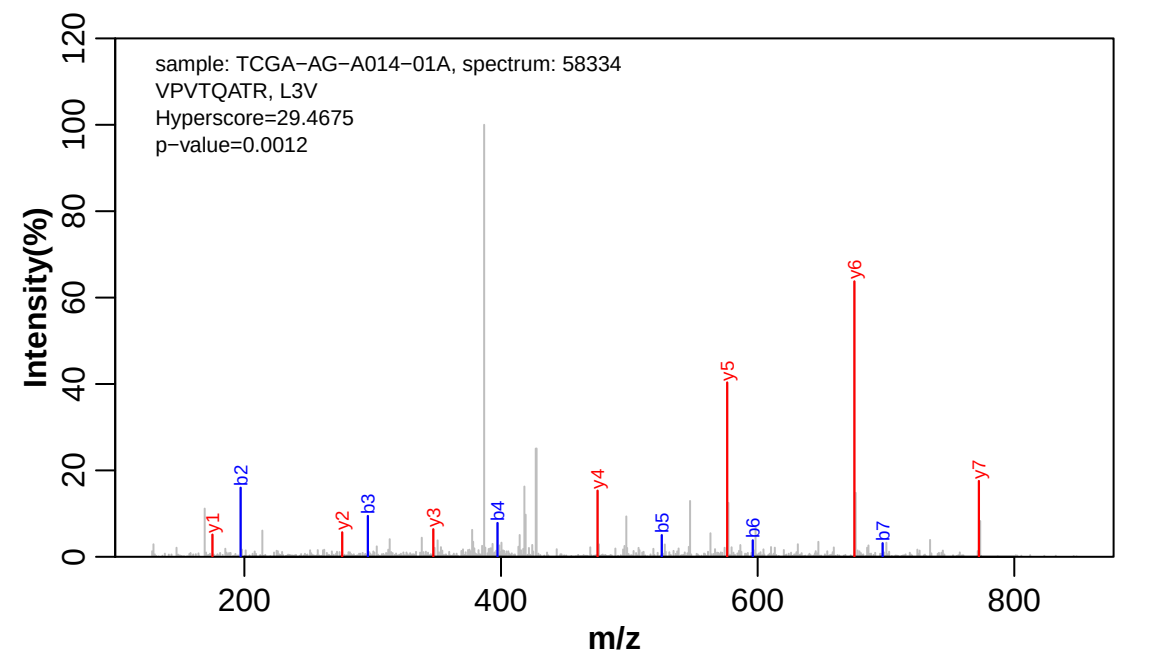

sample: TCGA−AG−A014−01A, spectrum: 77924
TTPLEAASSGAR, T11A
Hyperscore=32.1540
p−value=0.0001
Intensity(%)
m/z
y1
b2
y3
y4
y5
y6
y7
b7−H2O
b7
b8−H2O
b8
b9−H2O
b9
y10

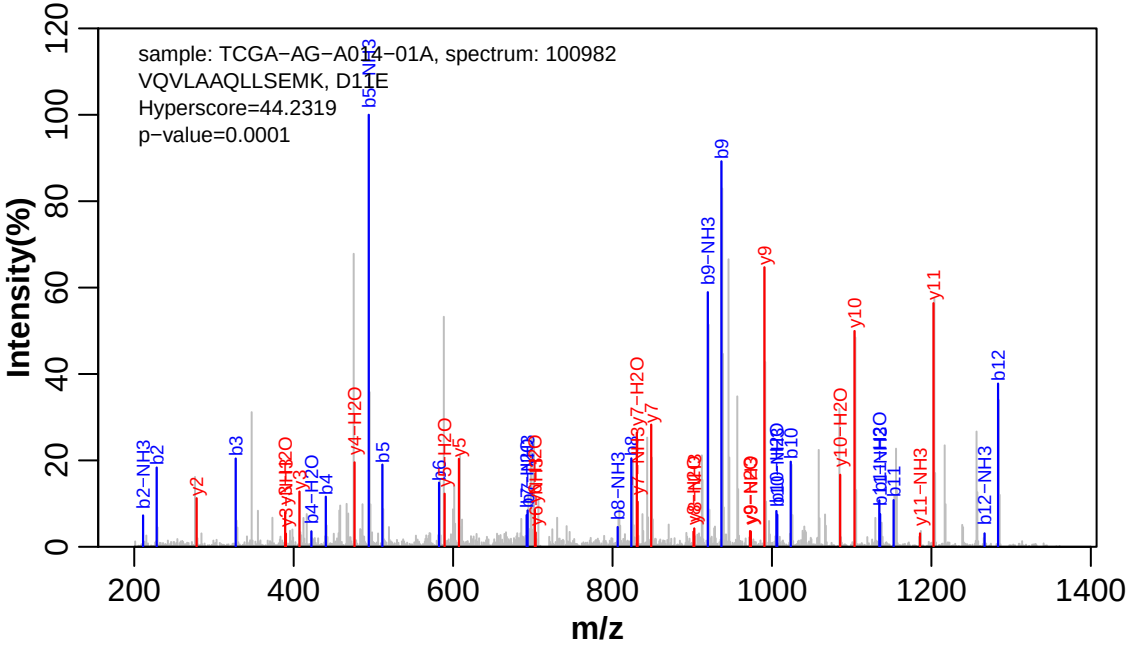

sample: TCGA−AG−A014−01A, spectrum: 37682
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=63.8317
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6
y7
y8
y9
y4
b4
b7
b5−H2O
b15++
b17++
b18++−H2O
b15−NH3
b16
b17−NH3
b18
y12
b14
b13

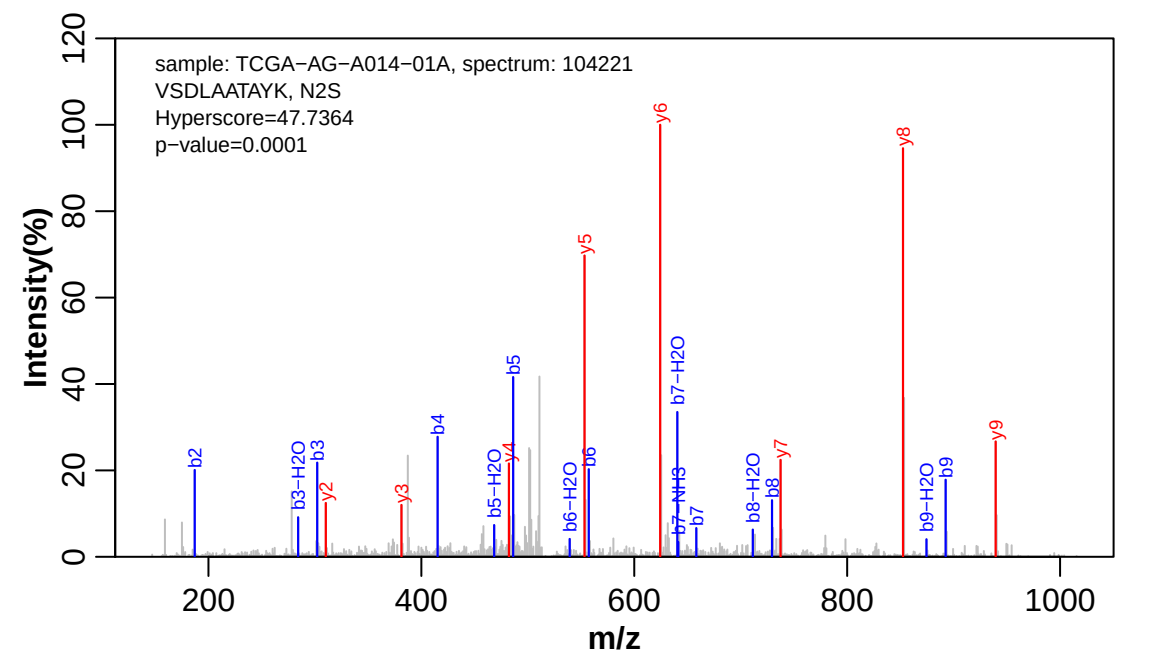

sample: TCGA−AG−A014−01A, spectrum: 56743
TVEDLDGLLQQLYR, H10Q
Hyperscore=52.2905
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y8
b9
b12
y4
y2
y9
b11
y10
y11
b8
b3
y3
b13
y6−NH3
b9−H2O
y8−NH3
b10−H2O
y9−NH3
b10−NH3

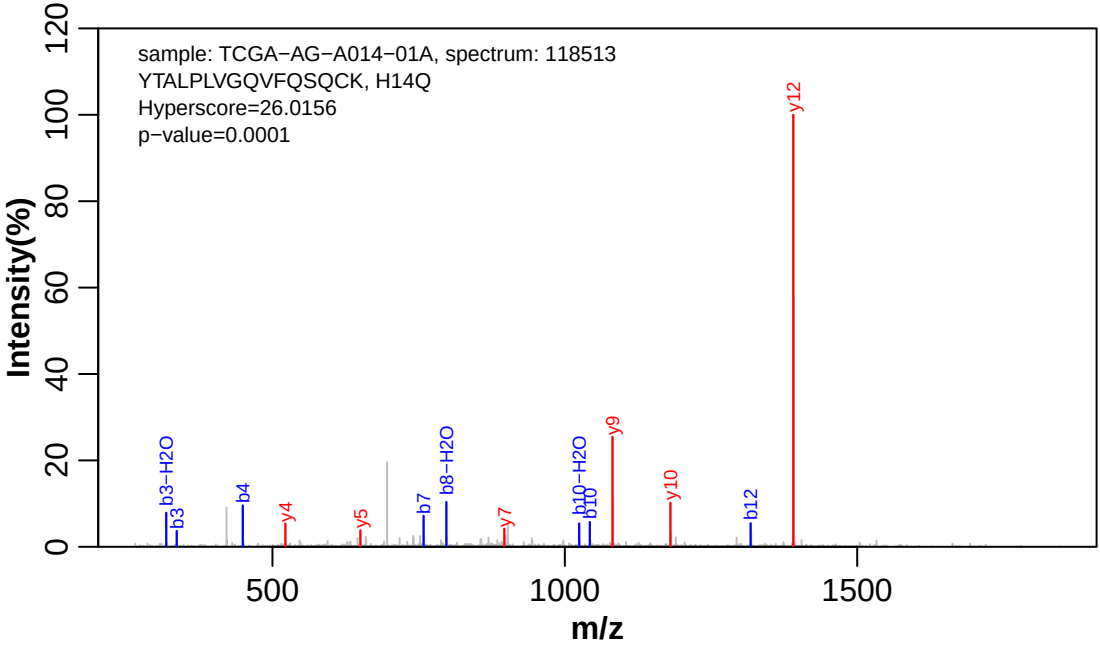

sample: TCGA−AG−A014−01A, spectrum: 60112
TYGQVSGEALK, D2Y
Hyperscore=26.2161
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b4
y5
b5
y6
b6
y7
b8−H2O
y8
b9−NH3
b9−H2O
y9
b10−H2O
b10

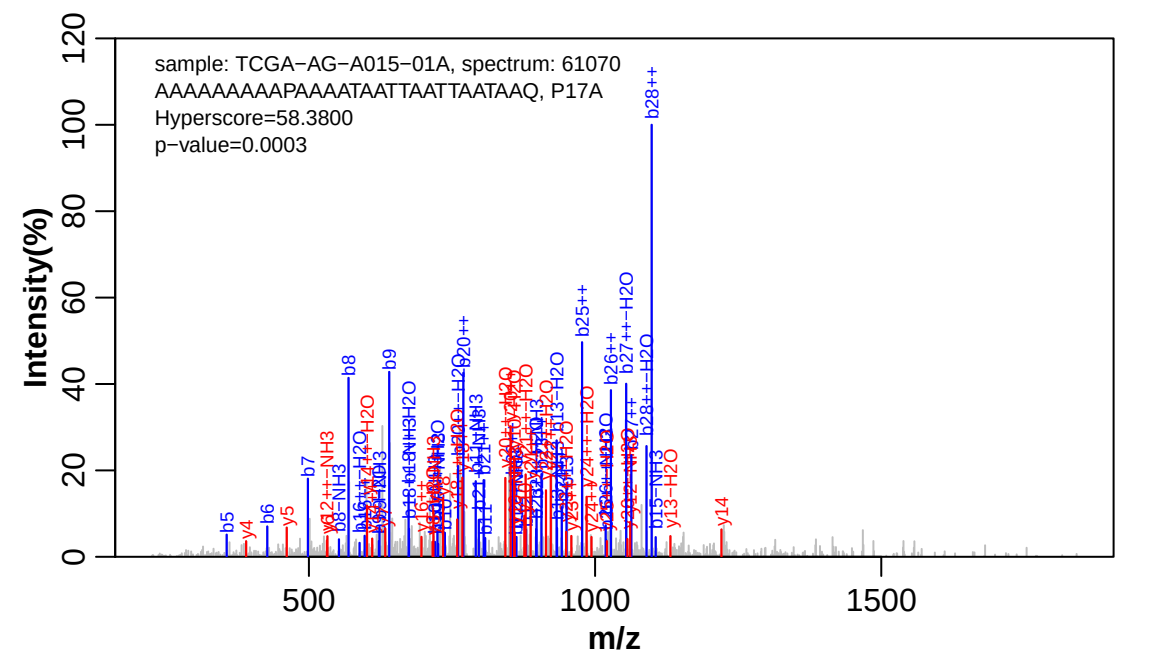

sample: TCGA−AG−A014−01A, spectrum: 126021
VPSFETAEGLGAELK, T12A
Hyperscore=55.8935
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
y3−H2O
y3
b4−H2O
b4
y4−NH3
y4
y5−NH3
y5
b5−NH3
b5
b6
y7
b7−NH3
b7
y8−H2O
y8
b8
b9
y9
y10
b10
y11
b12−H2O
b12
b13
y13
y13−H2O
b14−H2O
b14
y14

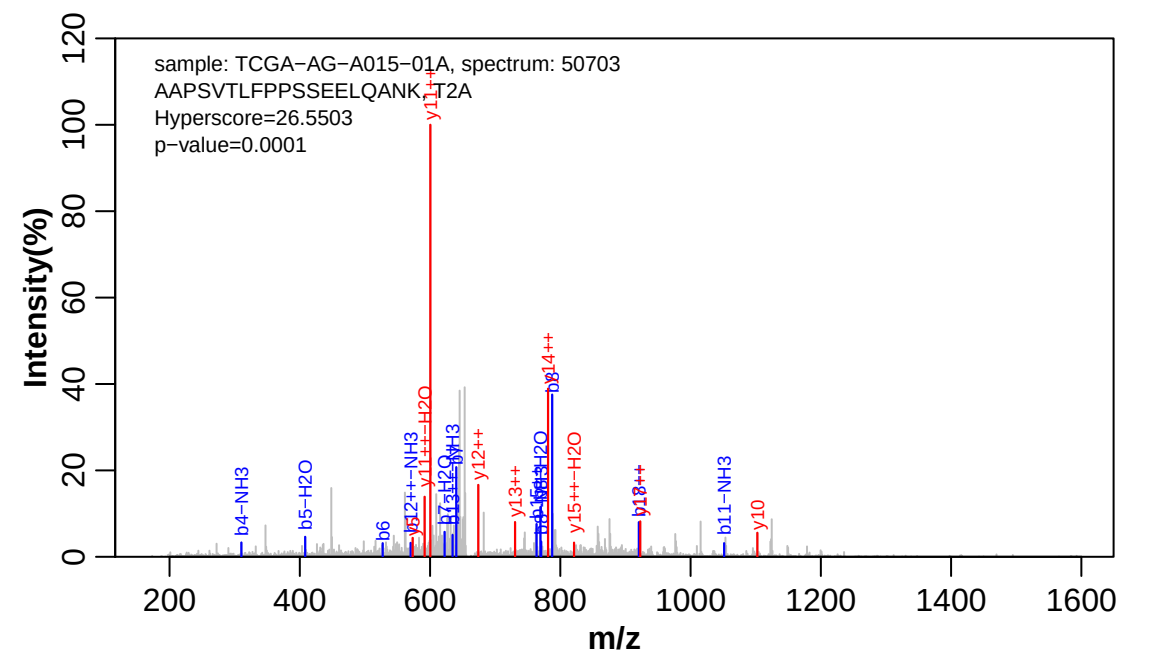

sample: TCGA−AG−A014−01A, spectrum: 58334
VPVTQATR, L3V
Hyperscore=29.4675
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
b3
y3
b4
y4
b5
y5
b6
y6
b7
y7

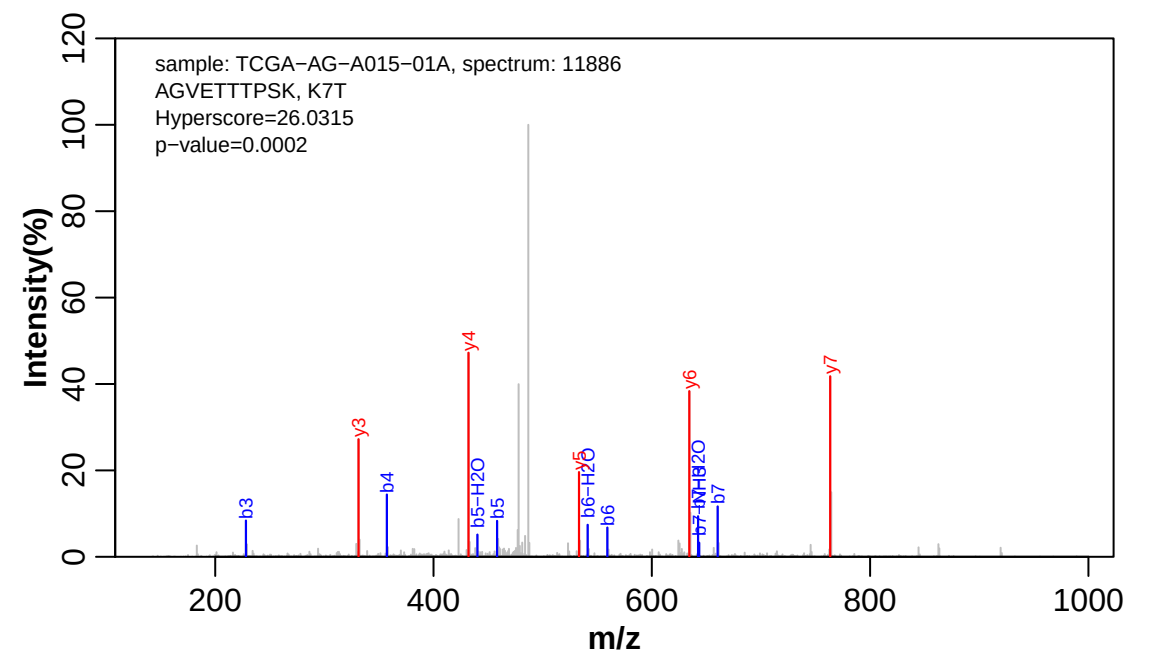

sample: TCGA−AG−A014−01A, spectrum: 100982
VQVLAAQLLSEMK, D11E
Hyperscore=44.2319
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−NH3
b2
y2
b3
y3−NH3
y3
b4−H2O
b4
y4−H2O
b5−NH3
b5
y5−H2O
y5
y6−H2O
y6
y7−H2O
y7
b8−NH3
y7−NH3
b9−NH3
b9
y9
y9−H2O
b10
y10−H2O
y10
b11−NH3
b11
y11
y11−NH3
b12
b12−NH3

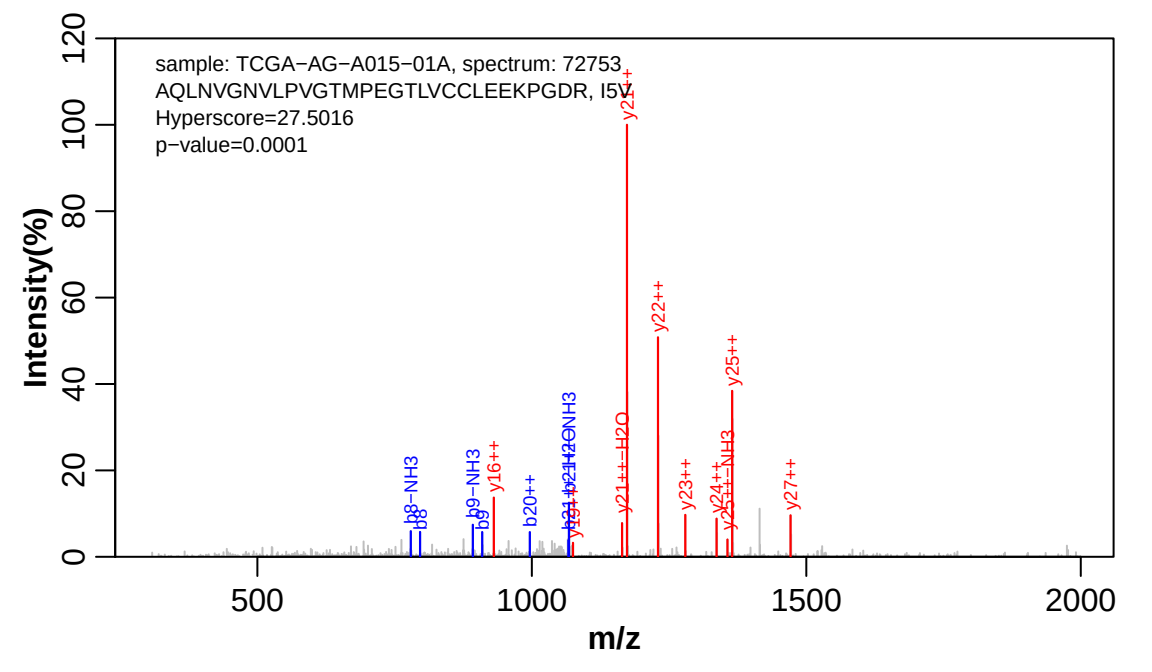

sample: TCGA−AG−A014−01A, spectrum: 104221
VSDLAATAYK, N2S
Hyperscore=47.7364
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4
b5
b5−H2O
y4
b6−H2O
b6
y5
b7−NH3
b7
b7−H2O
y6
b8−H2O
b8
y7
y8
b9−H2O
b9
y9

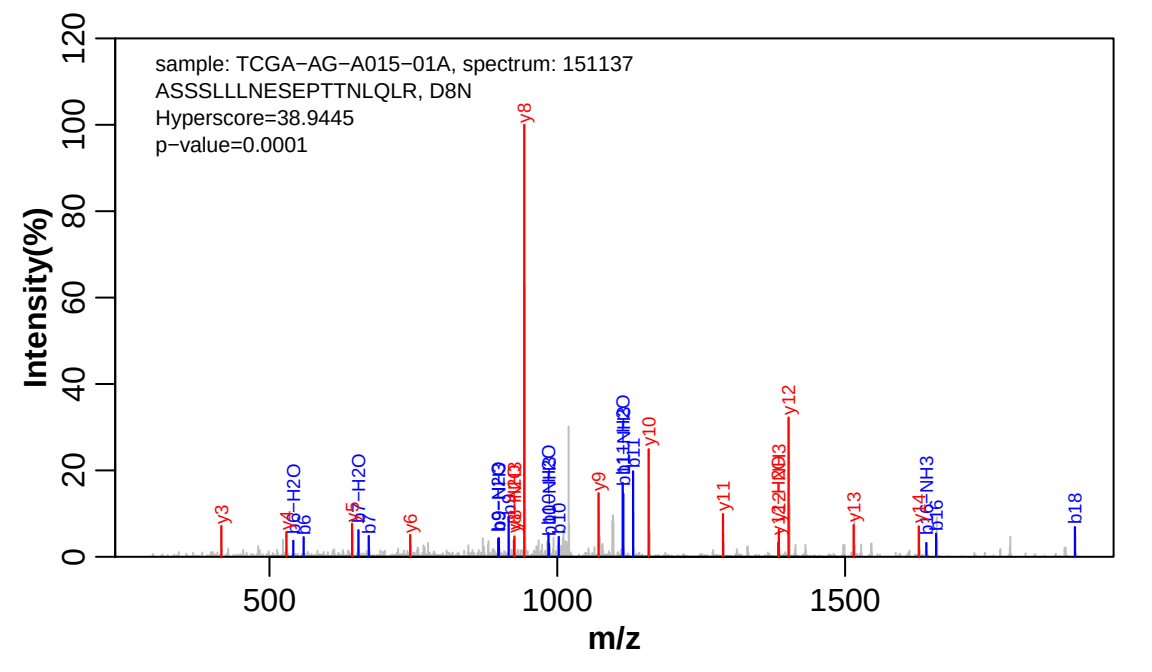

sample: TCGA−AG−A014−01A, spectrum: 118513
YTALPLVGQVFQSQCK, H14Q
Hyperscore=26.0156
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
b3
b4
y4
y5
b7
b8−H2O
y7
b10−H2O
b10
y9
y10
b12
y12

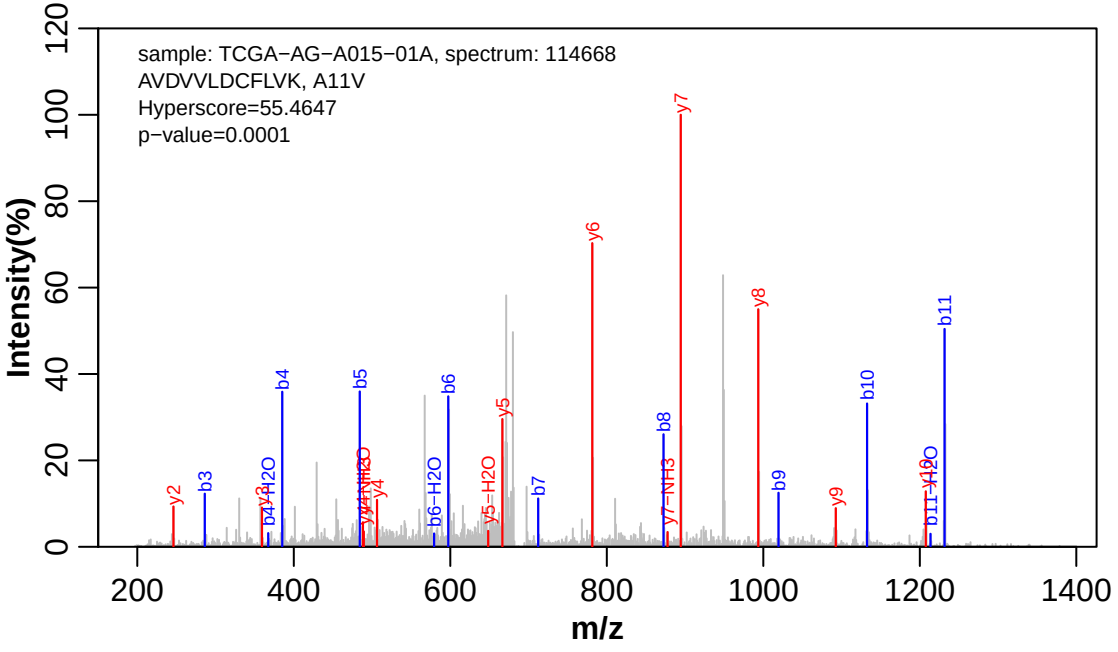

sample: TCGA−AG−A015−01A, spectrum: 61070
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=58.3800
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b25++
b27++−H2O
b28++−H2O
b26++
b8
b9
b7
b5
y4
b6
y5
y14
b15−NH3
y13−H2O

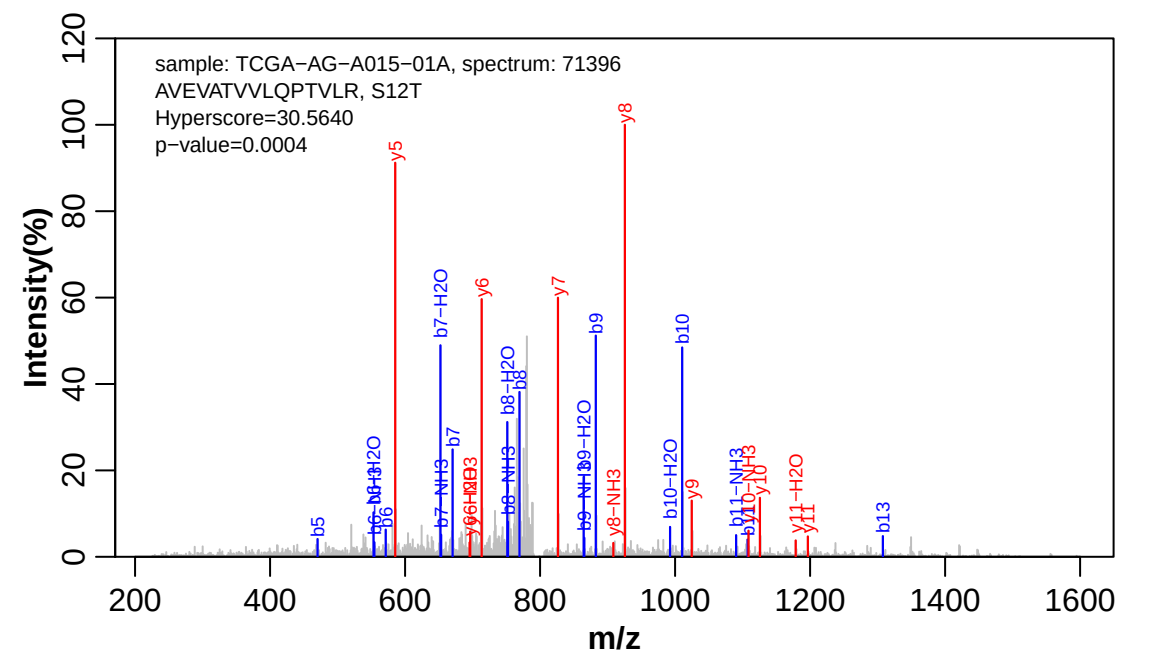

sample: TCGA−AG−A015−01A, spectrum: 50703
AAPSVTLFPPSSEELQANK_T2A
Hyperscore=26.5503
p−value=0.0001
Intensity(%)
m/z
y11++
y11++−H2O
y11++−NH3
y12++
y13++
y14++
y15++−H2O
b4−NH3
b5−H2O
b6
b11−NH3
y10
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

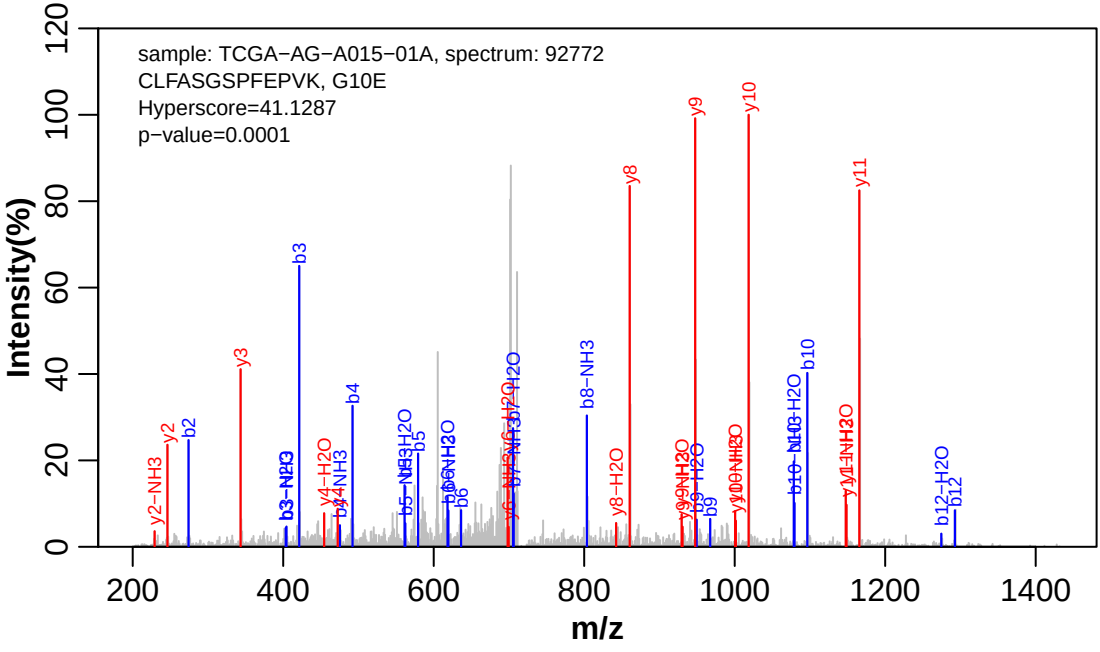

sample: TCGA−AG−A015−01A, spectrum: 11886
AGVETTTPSK, K7T
Hyperscore=26.0315
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7

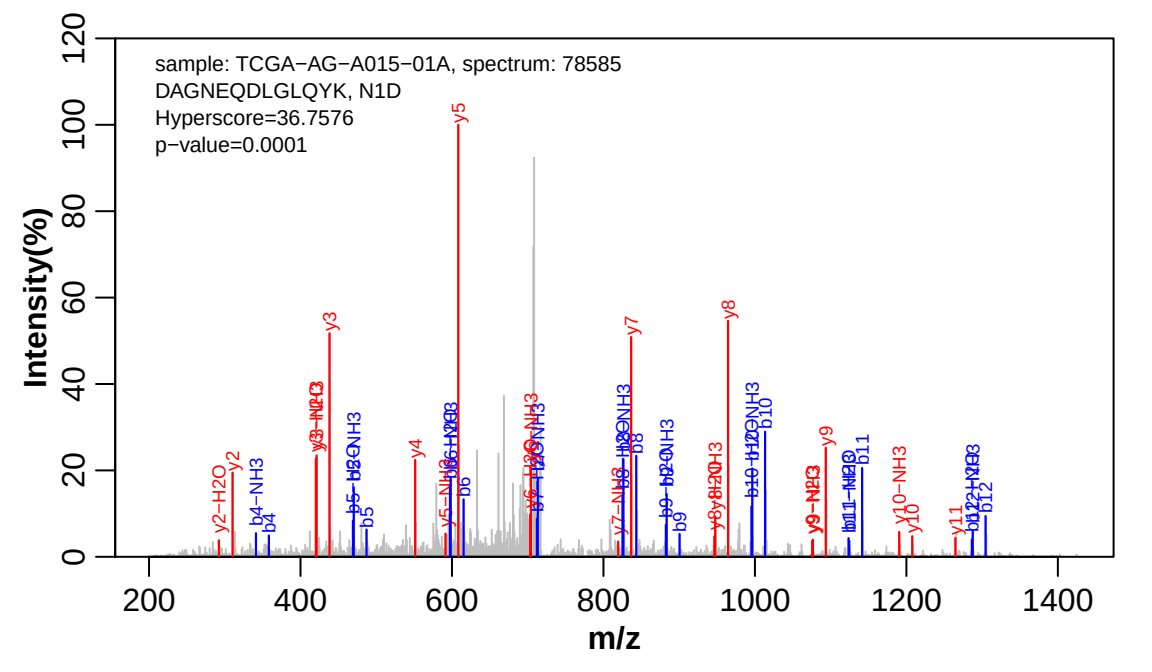

sample: TCGA−AG−A015−01A, spectrum: 72753
AQLNVGNVLPVGTMPEGTLVCCLEEKPGDR, I5V
Hyperscore=27.5016
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
b8−NH3
b8
b9−NH3
b9
y16++
b20++
y21++−H2O
y21++
y22++
y23++
y24++
y25++
y27++

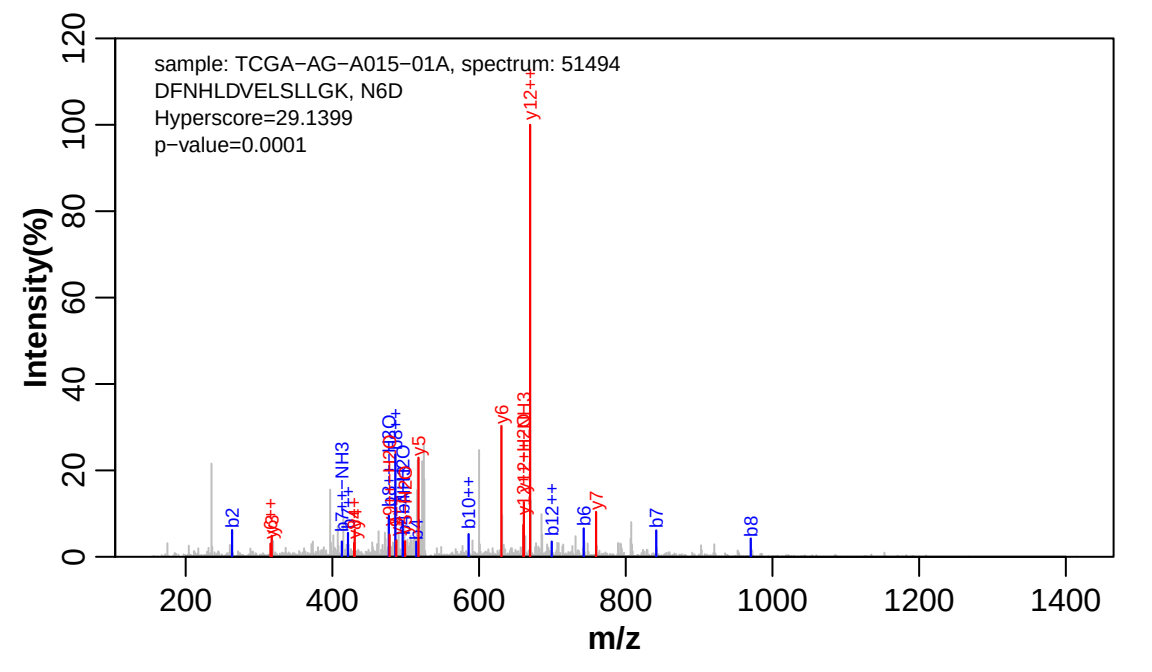

sample: TCGA−AG−A015−01A, spectrum: 151137
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=38.9445
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y3
y4−H2O
b6
y5−H2O
b7
y6
y9
y10
y11
y12
y13
b18

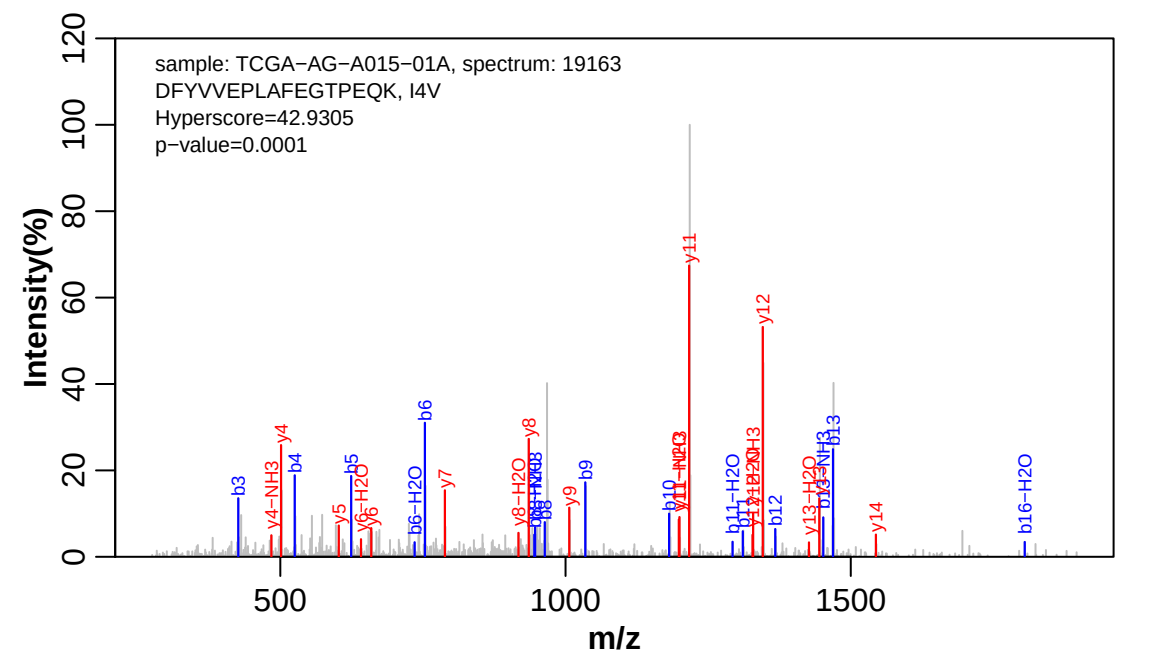

sample: TCGA−AG−A015−01A, spectrum: 114668
AVDVVLDCFLVK, A11V
Hyperscore=55.4647
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b3
b4
b4−H2O
y3
b5
y4
b6
b6−H2O
y5
y5−H2O
b7
y6
b8
y7−NH3
y7
y8
b9
y9
b10
b11
b11−H2O

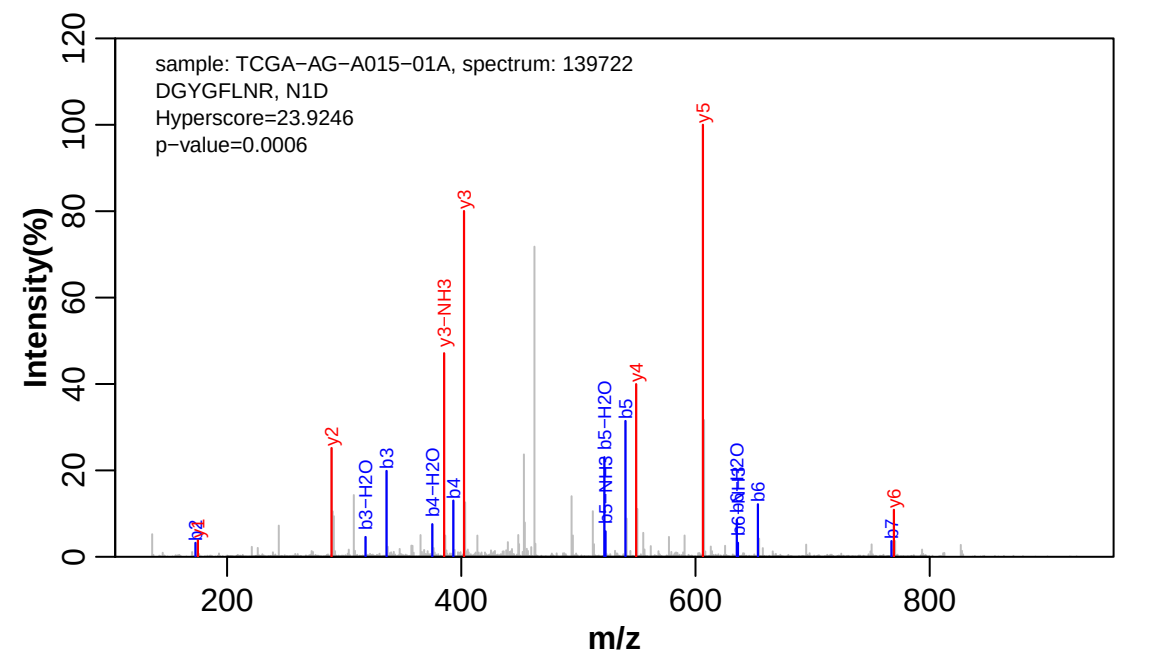

sample: TCGA−AG−A015−01A, spectrum: 71396
AVEVATVVLQPTVLR, S12T
Hyperscore=30.5640
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y8
b7−H2O
y6
y7
b8−H2O
b9
b10
b7
b7−NH3
b8
b8−NH3
b9−H2O
b10−H2O
y9
y8−NH3
b11−NH3
y10
y10−NH3
y11−H2O
b13
b5
b6

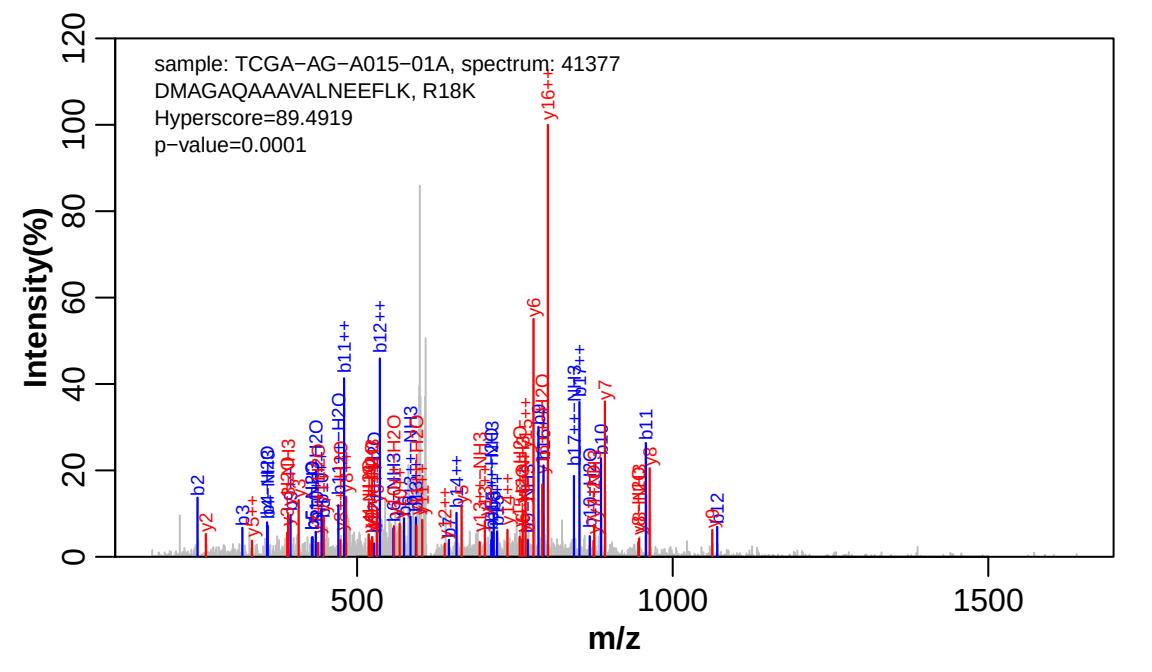

sample: TCGA−AG−A015−01A, spectrum: 92772
CLFASGSPFEPVK, G10E
Hyperscore=41.1287
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y9
y10
y11
y8
y3
b3
b8−NH3
b4
y2
b2
y2−NH3
y8−H2O
b10
b12−H2O
b12

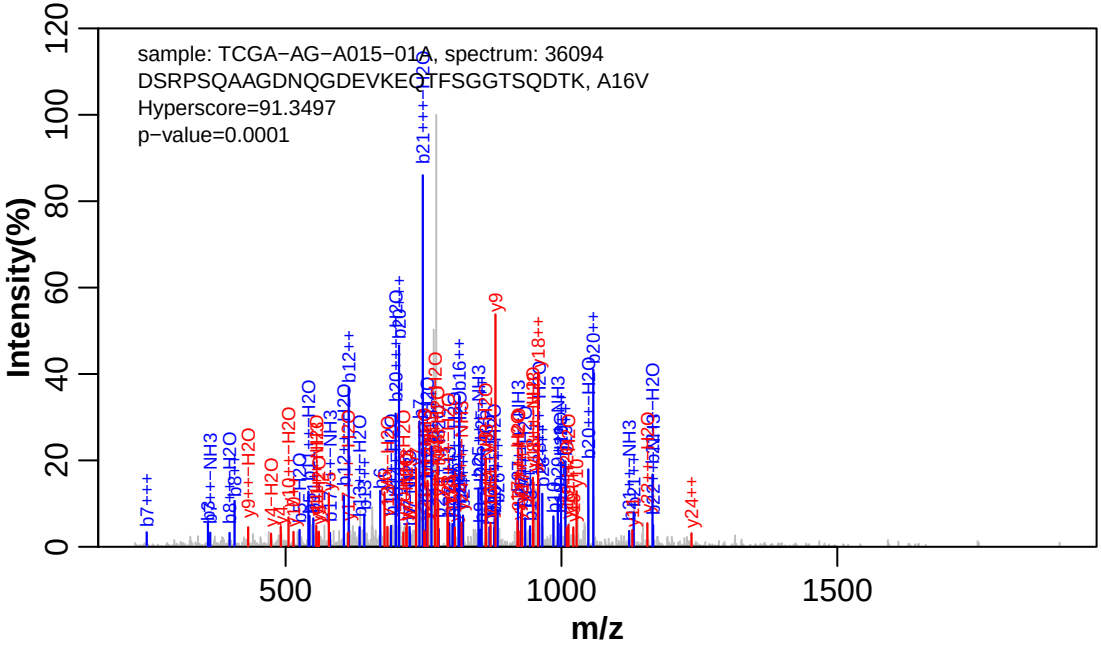

sample: TCGA−AG−A015−01A, spectrum: 78585
DAGNEQDLGLQYK, N1D
Hyperscore=36.7576
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y3
y4
y7
y8
y9
y10
y11
y2−H2O
y2
b4−NH3
b4
b5
b6
b8
b9
b10
b11
b12
y10−NH3

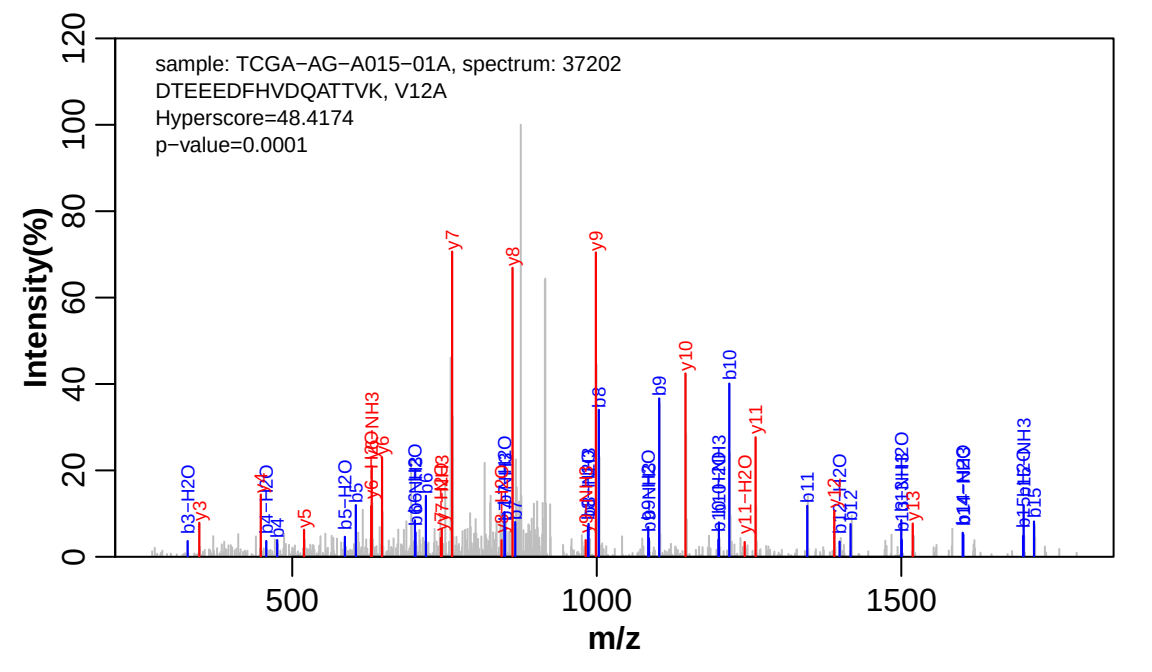

sample: TCGA−AG−A015−01A, spectrum: 51494
DFNHLDVELSLLGK, N6D
Hyperscore=29.1399
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y12++
y6
b2
y9++
b7++−NH3
y4++
b10++
y5
b12++
b6
y7
b7
b8

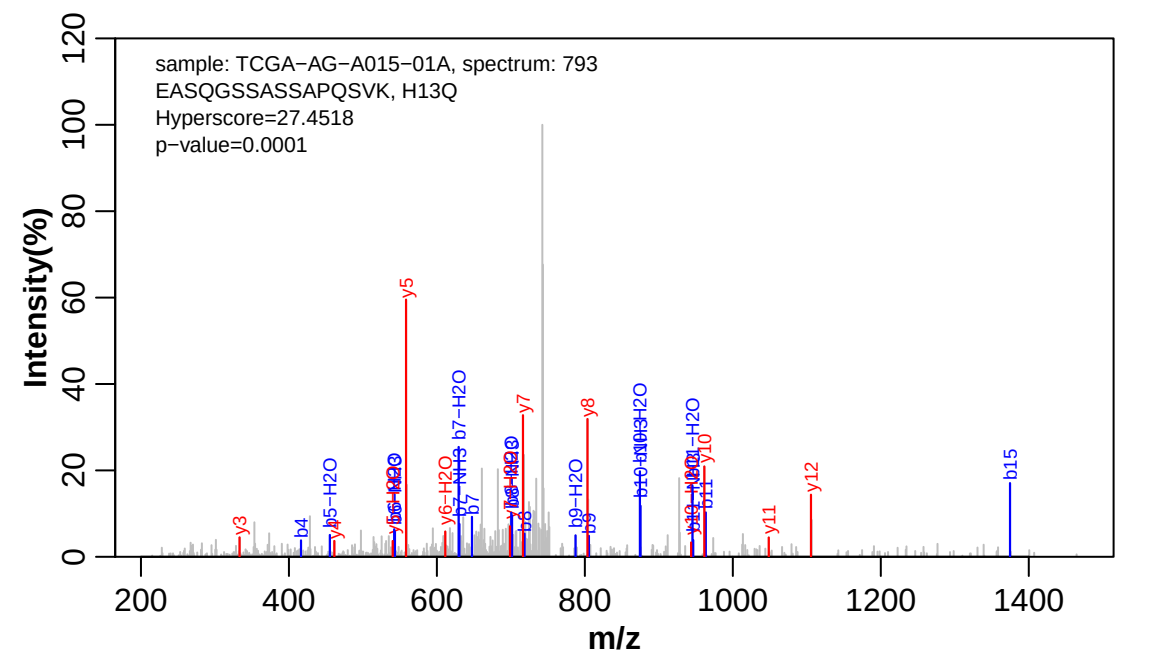

sample: TCGA−AG−A015−01A, spectrum: 19163
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=42.9305
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4−NH3
y4
b4
y5
b5
y6−H2O
y6
b6−H2O
b6
y7
y8−H2O
y8
y9
b9
b10
y11
y11−NH3
y11−H2O
y12
b11−H2O
b12
y13−H2O
y13−NH3
b13
y14
b16−H2O

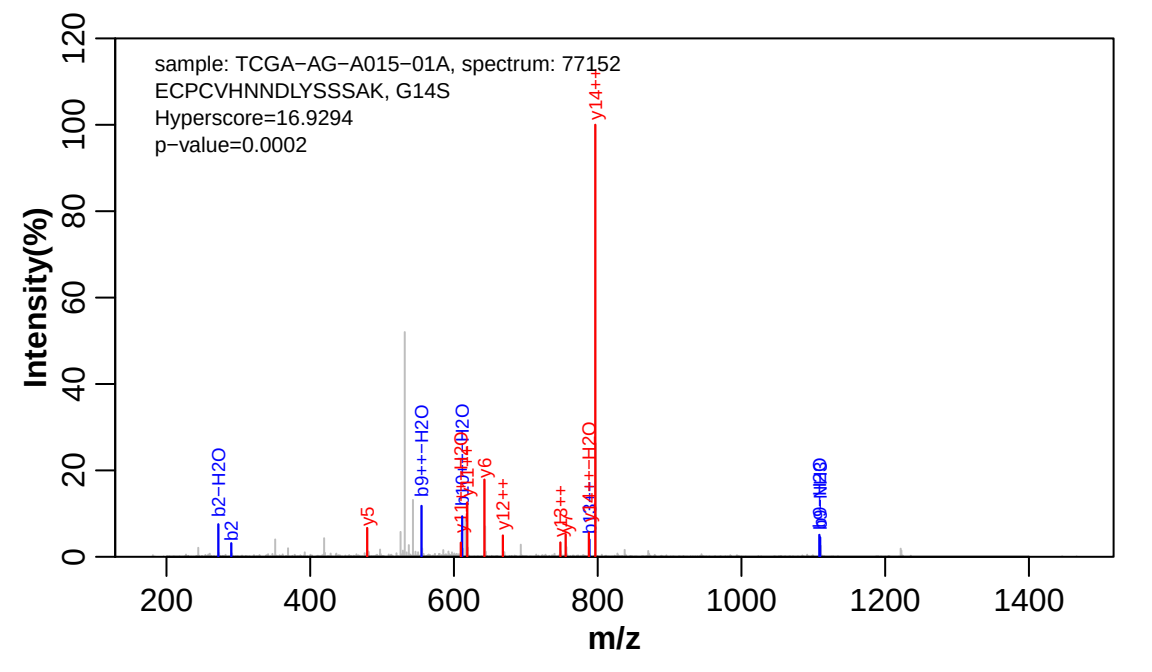

sample: TCGA−AG−A015−01A, spectrum: 139722
DGYGFLNR, N1D
Hyperscore=23.9246
p−value=0.0006
Intensity(%)
m/z
y5
y3
y3−NH3
y4
y2
b5
b5−H2O
b5−NH3
b3
b3−H2O
b4−H2O
b4
b6
b6−H2O
b6−NH3
y6
b7
b2
y2

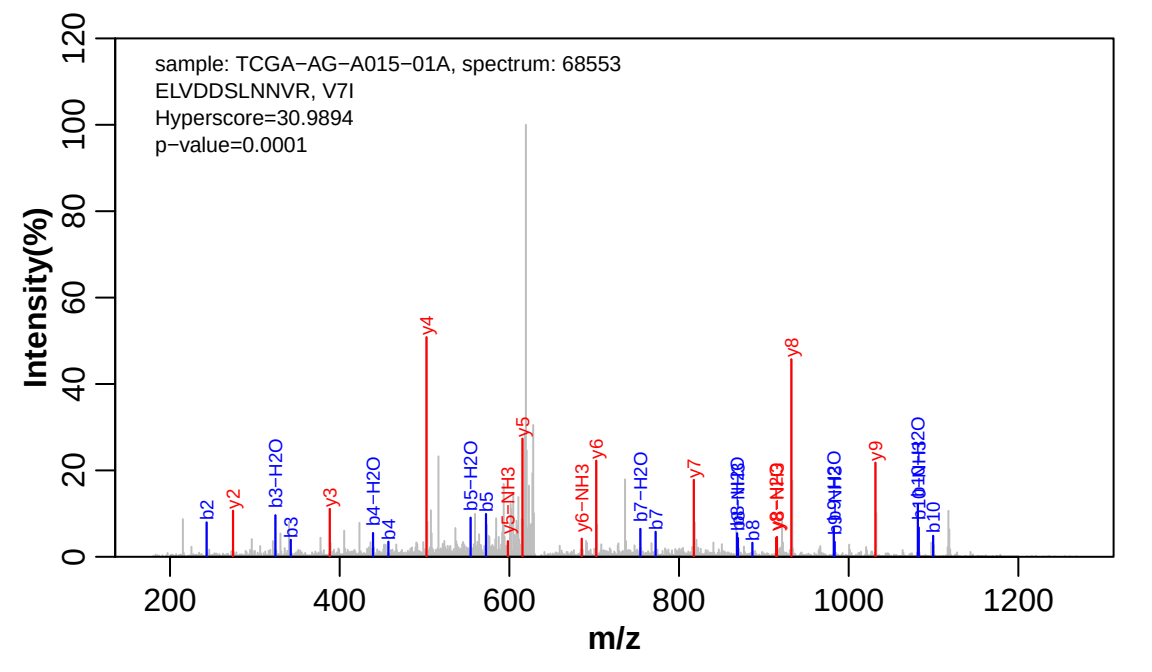

sample: TCGA−AG−A015−01A, spectrum: 41377
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=89.4919
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16++
y6
b12++
b11++
y7
b11
b2
y2
y12
b14++

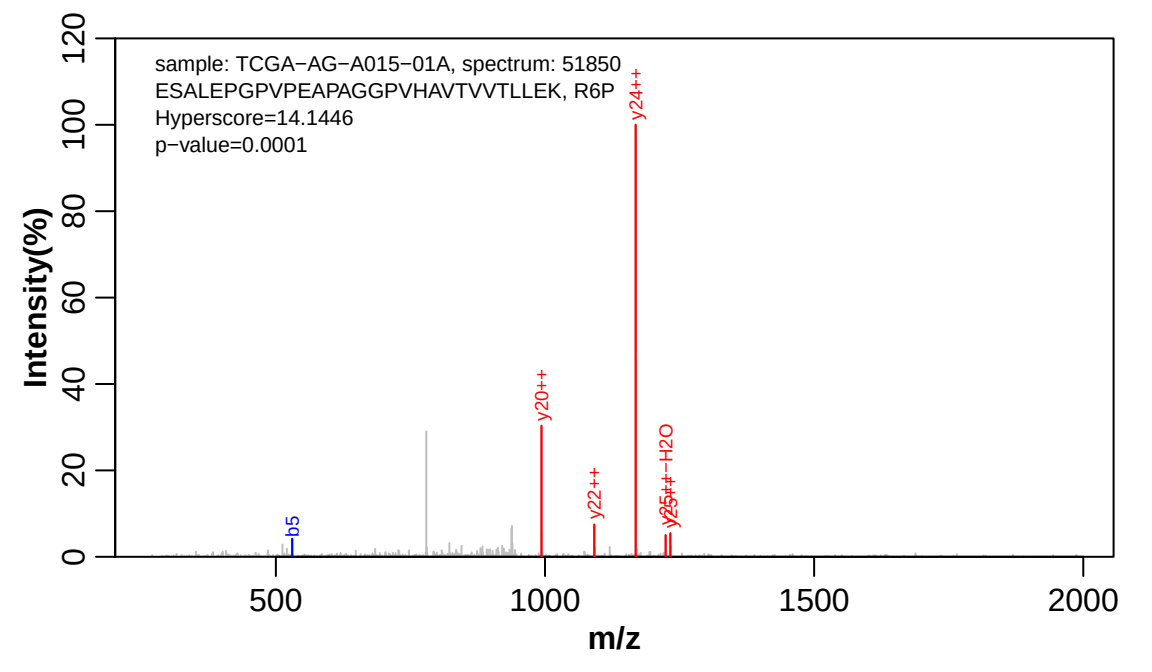

sample: TCGA−AG−A015−01A, spectrum: 36094
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=91.3497
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b7+++
b21+++−H2O
b21+++
y9++−H2O
y9
y24++

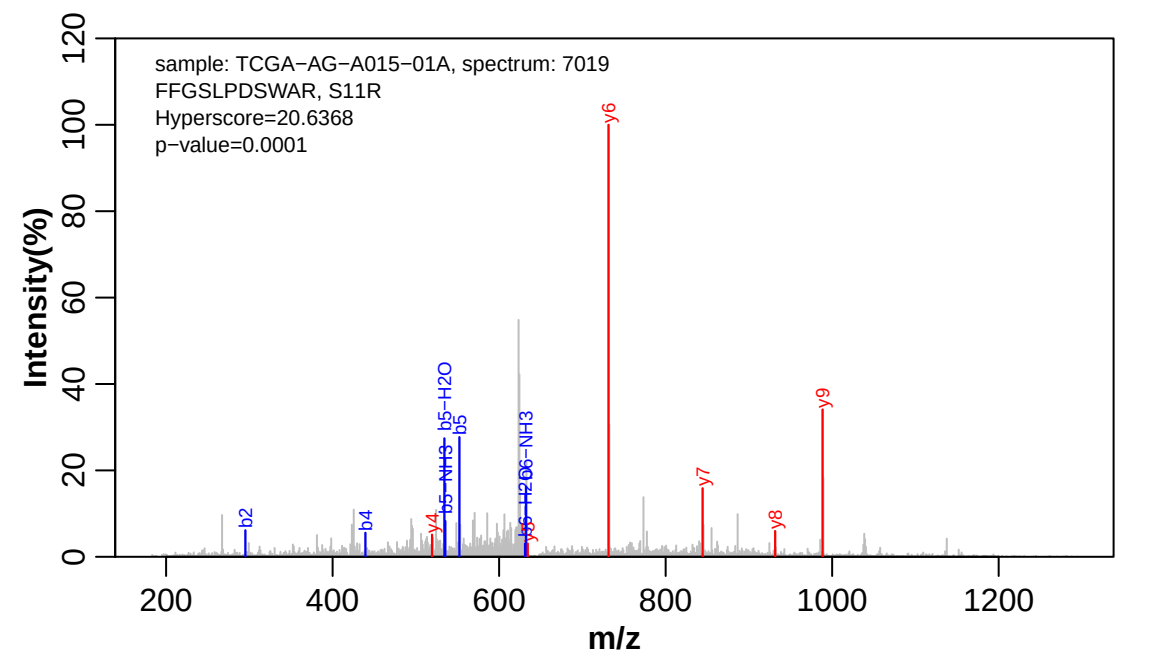

sample: TCGA−AG−A015−01A, spectrum: 37202
DTEEEDFHVDQATTVK, V12A
Hyperscore=48.4174
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
y3
y4
y5
b5−H2O
b5
y6
y7
b6
y8
b7
y9
b8
b9
y10
b10
y11
y11−H2O
b11
b12
y13
b15
b14−NH3

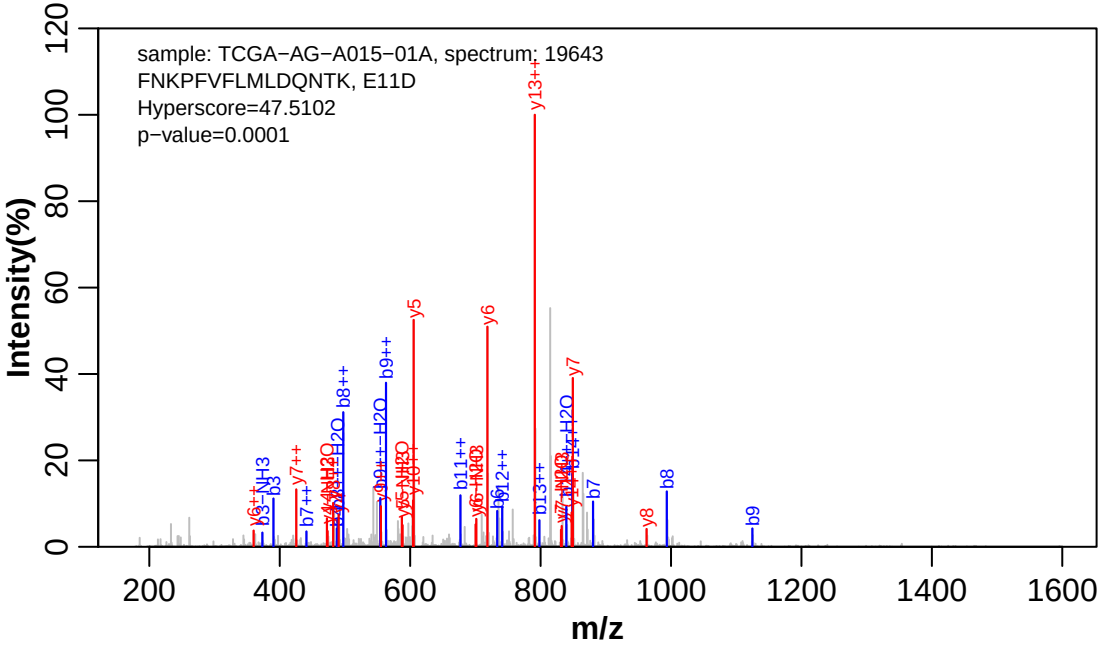

sample: TCGA−AG−A015−01A, spectrum: 793
EASQGSSASSAPQSVK, H13Q
Hyperscore=27.4518
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b4
y4
b5−H2O
y5
y6−H2O
b7−NH3
b7−H2O
y7
y8
b9−H2O
b9
b10−H2O
b11
y10
y11
y12
b15

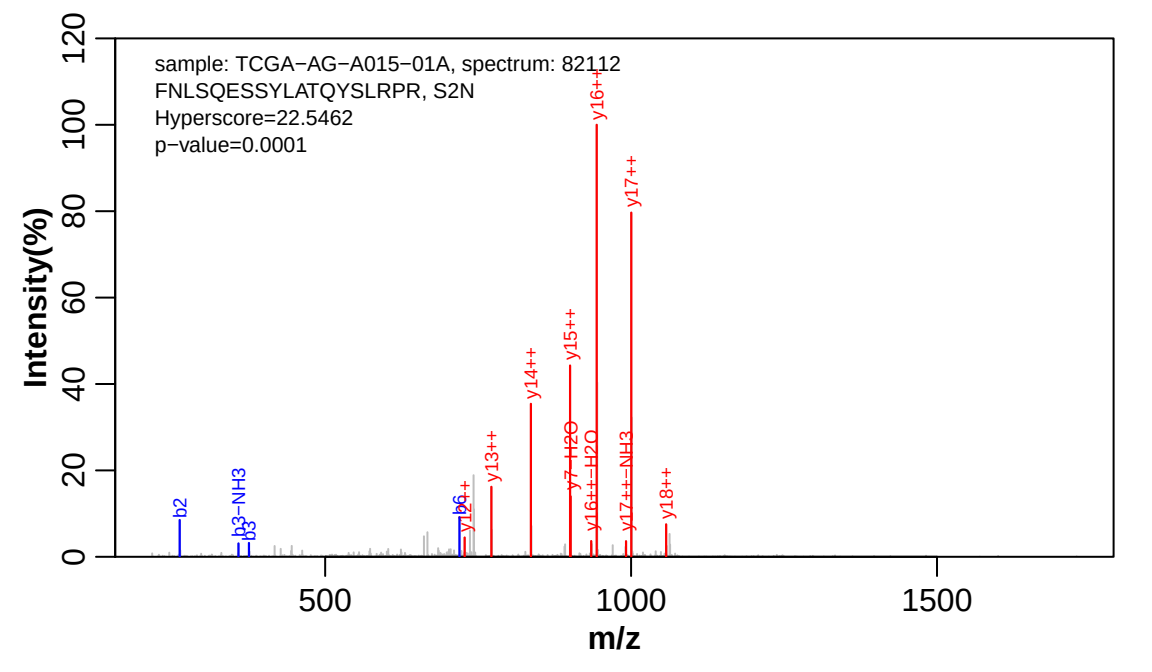

sample: TCGA−AG−A015−01A, spectrum: 77152
ECPCVHNNDLYSSSAK, G14S
Hyperscore=16.9294
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b2
y5
b9++−H2O
y6
y12++
y14++
y14++−H2O

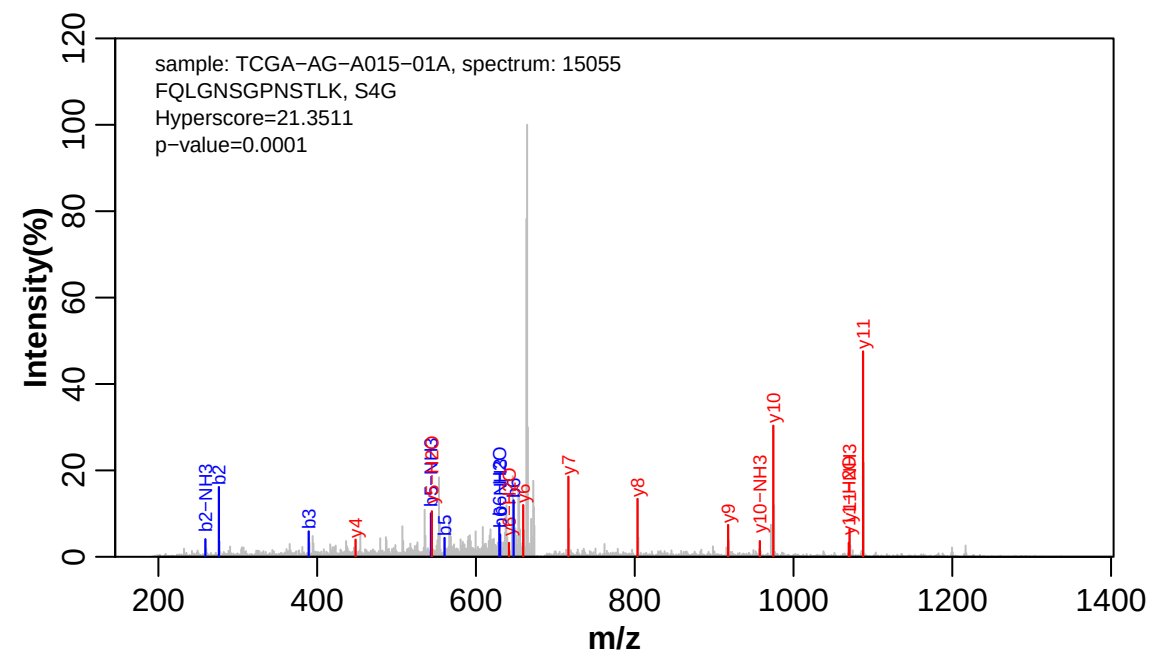

sample: TCGA−AG−A015−01A, spectrum: 68553
ELVDDSLNNVR, V7I
Hyperscore=30.9894
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5−NH3
y5
y6−NH3
y6
b7−H2O
b7
y7
b8
y8
y9
b10

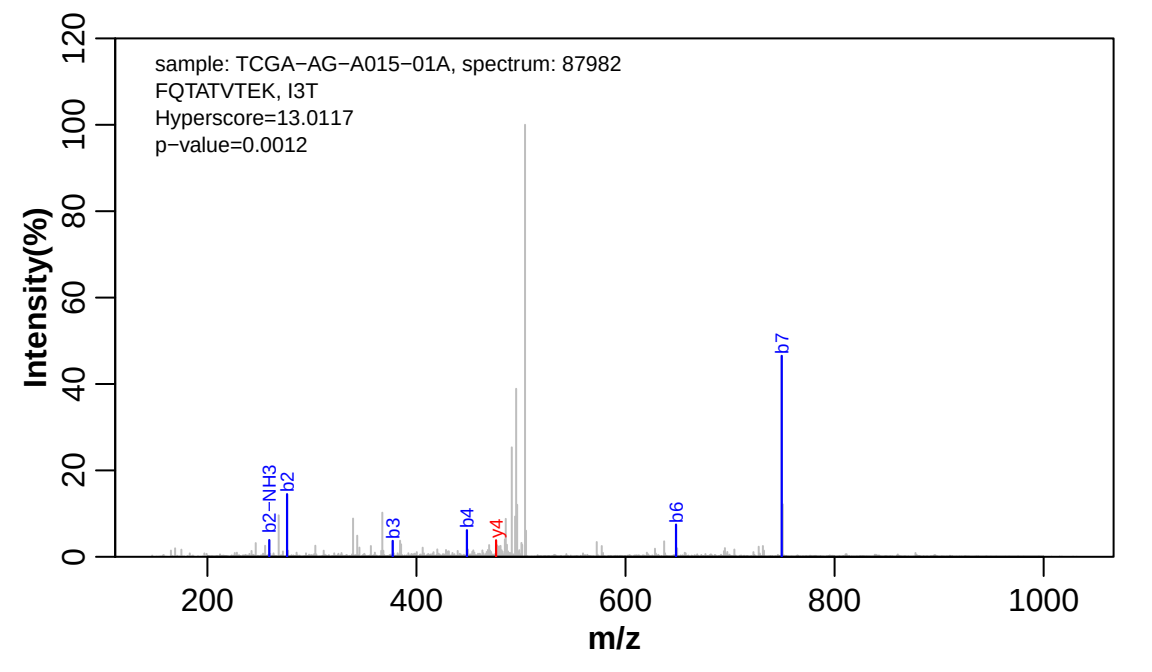

sample: TCGA−AG−A015−01A, spectrum: 51850
ESALEPGPVPEAPAGGPVHAVTVVTLLEK, R6P
Hyperscore=14.1446
p−value=0.0001
y24++
y20++
y22++
y25++−H2O
y23++
b5
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z

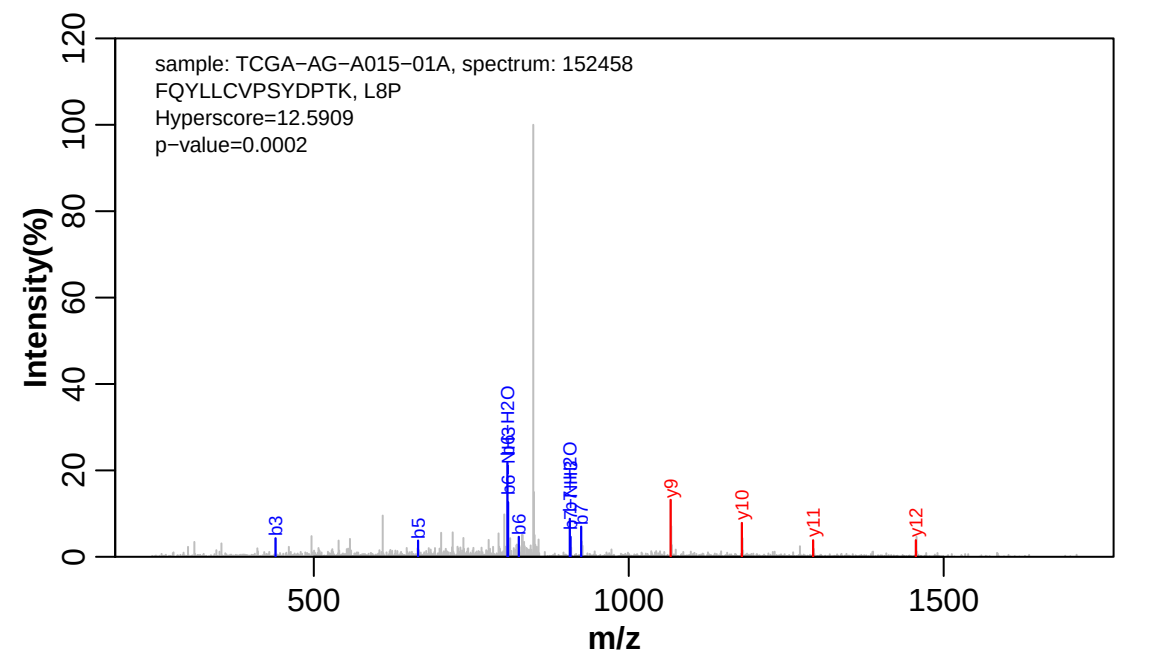

sample: TCGA−AG−A015−01A, spectrum: 7019
FFGSLPDSWAR, S11R
Hyperscore=20.6368
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
y6−H2O
y6−NH3
y6
y7
y8
y9

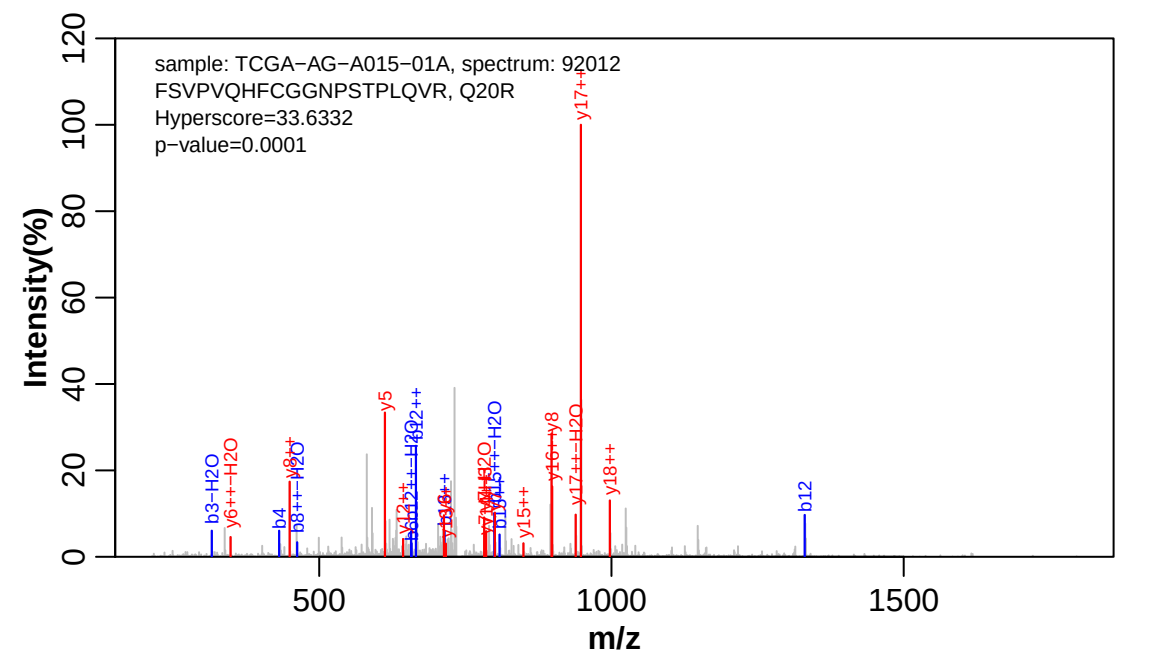

sample: TCGA−AG−A015−01A, spectrum: 19643
FNKPFVFLMLDQNTK, E11D
Hyperscore=47.5102
p−value=0.0001
Intensity(%)
m/z
y13++
y5
y6
y7
b8
b9
y8
b7
b12++
b13++
b11++
b9++
b8++
y7++
b7++
b3
y6++
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

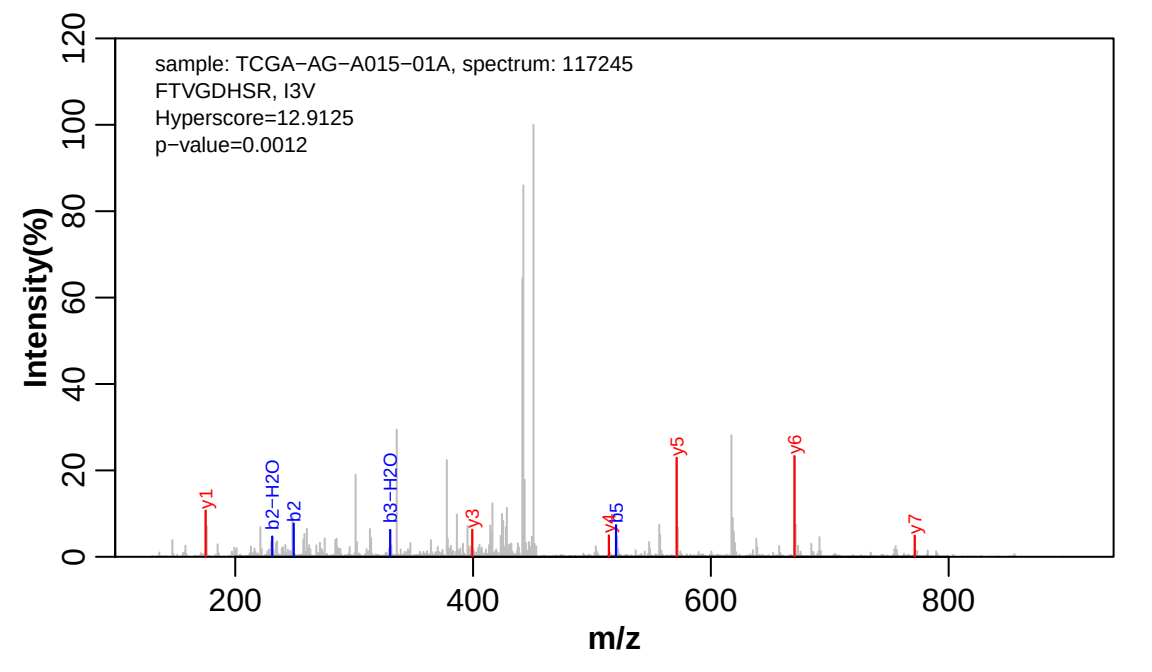

sample: TCGA−AG−A015−01A, spectrum: 82112
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=22.5462
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3−NH3
b3
b6
y12++
y13++
y14++
y15++
y7−H2O
y16++−H2O
y16++
y17++−NH3
y17++
y18++

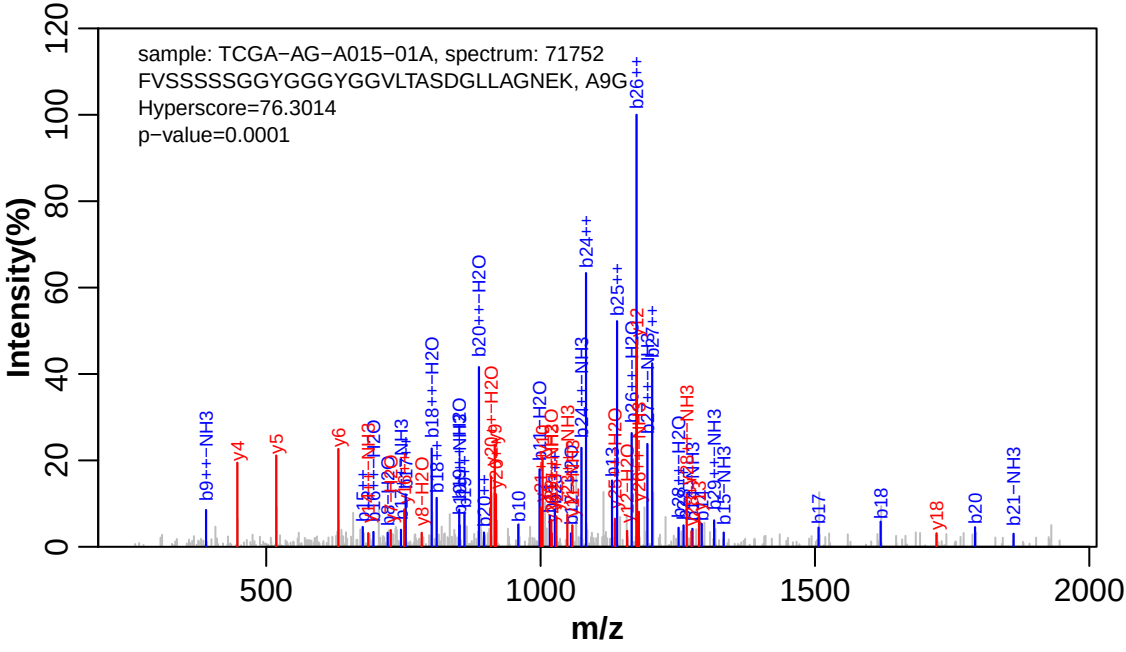

sample: TCGA−AG−A015−01A, spectrum: 15055
FQLGNSGPNSTLK, S4G
Hyperscore=21.3511
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−NH3
b2
b3
y4
b5
y7
y8
y9
y10−NH3
y10
y11

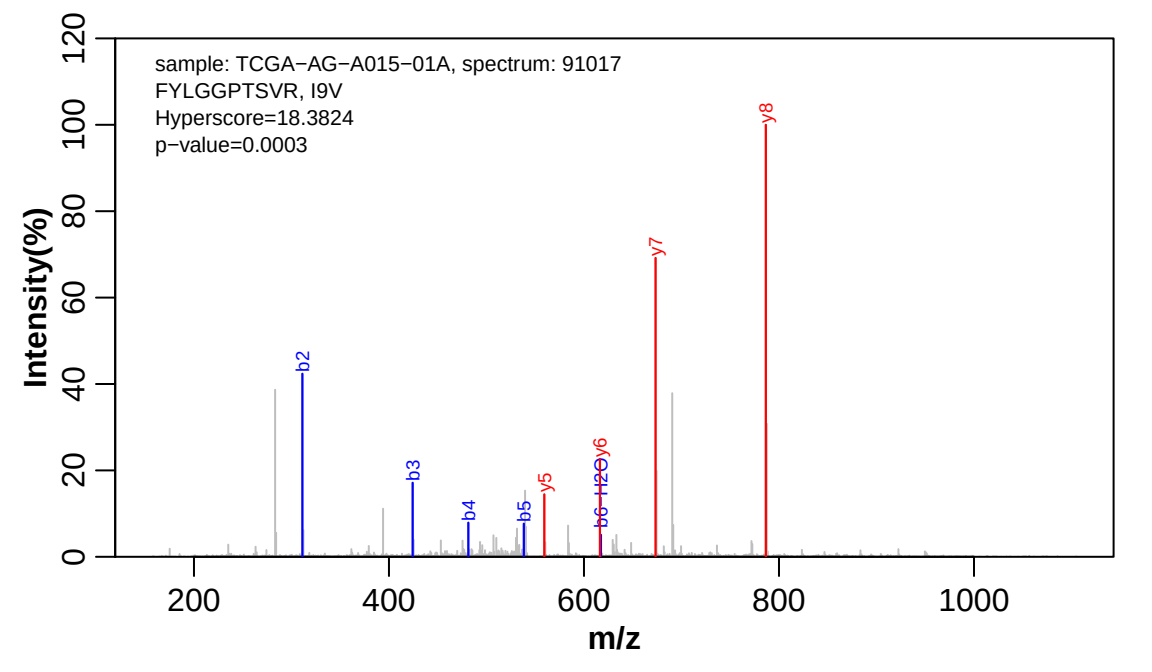

sample: TCGA−AG−A015−01A, spectrum: 87982
FQTATVTEK, I3T
Hyperscore=13.0117
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2−NH3
b2
b3
b4
y4
b6
b7

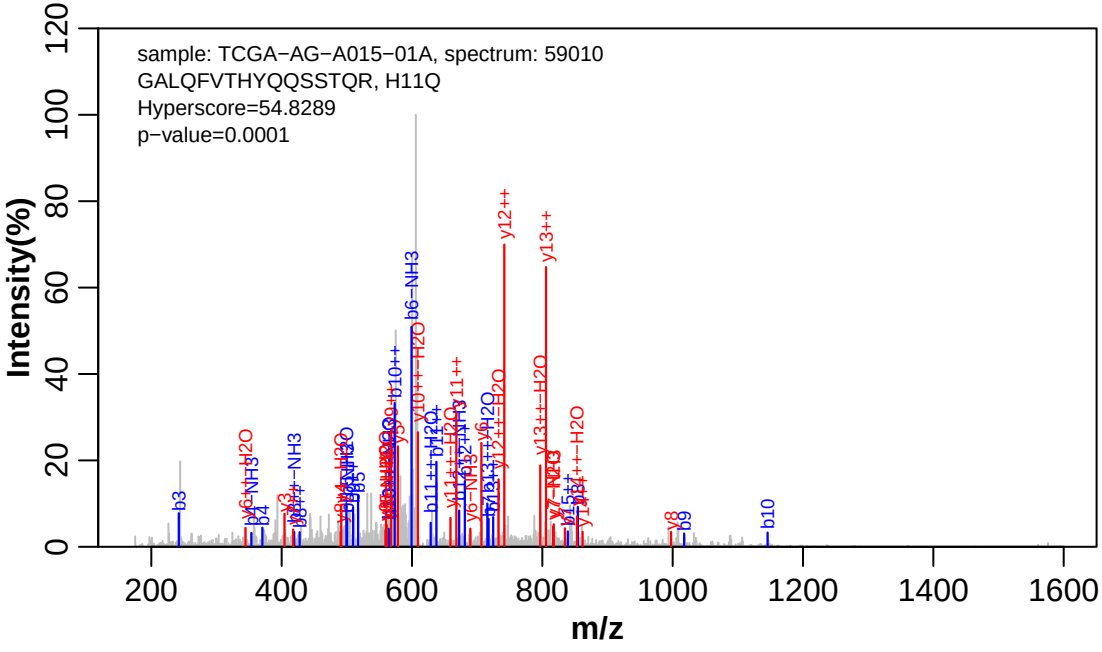

sample: TCGA−AG−A015−01A, spectrum: 152458
FQYLLCVPSYDPTK, L8P
Hyperscore=12.5909
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
b5
b6−NH3
b6−H2O
b6
b7−NH3
b7−H2O
b7
y9
y10
y11
y12

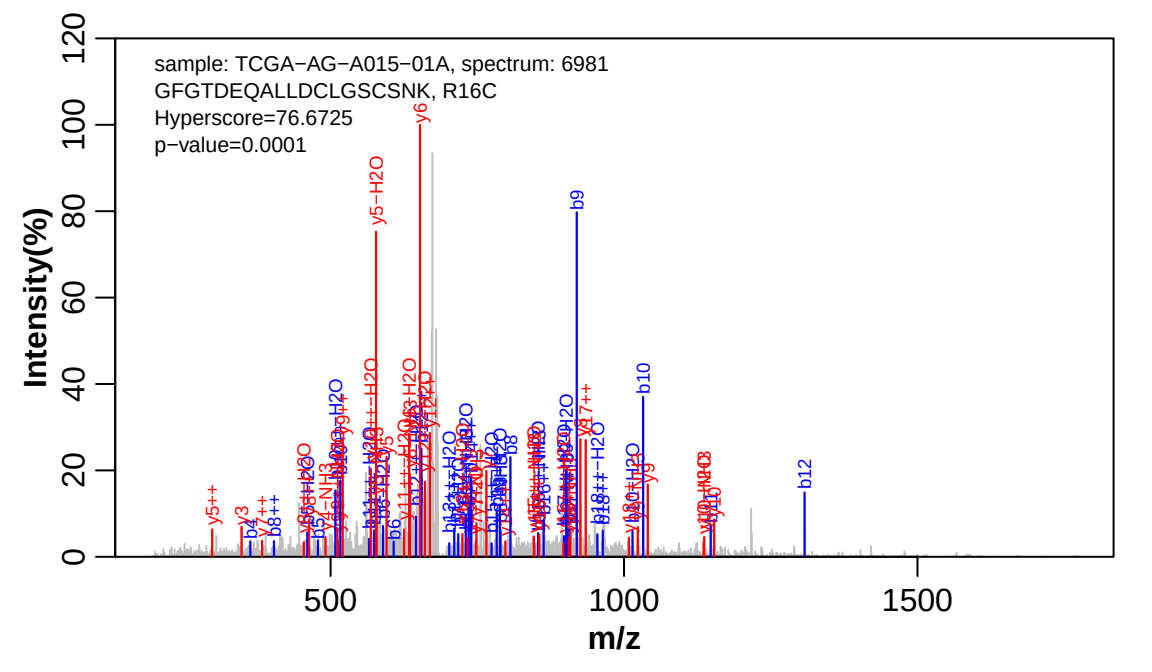

sample: TCGA−AG−A015−01A, spectrum: 92012
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=33.6332
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y17++
y5
b3−H2O
y6++−H2O
b4
b8++−H2O
y16++y8
y17++−H2O
y18++
y15++
b12

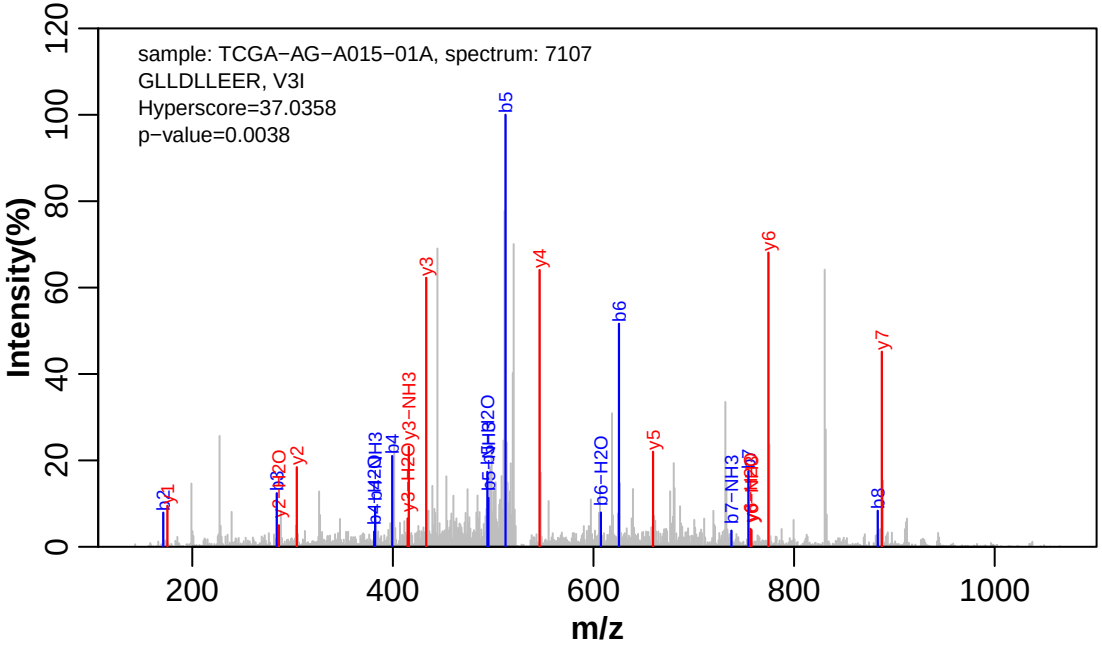

sample: TCGA−AG−A015−01A, spectrum: 117245
FTVGDHSR, I3V
Hyperscore=12.9125
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
b3−H2O
y3
y4
b5
y5
y6
y7

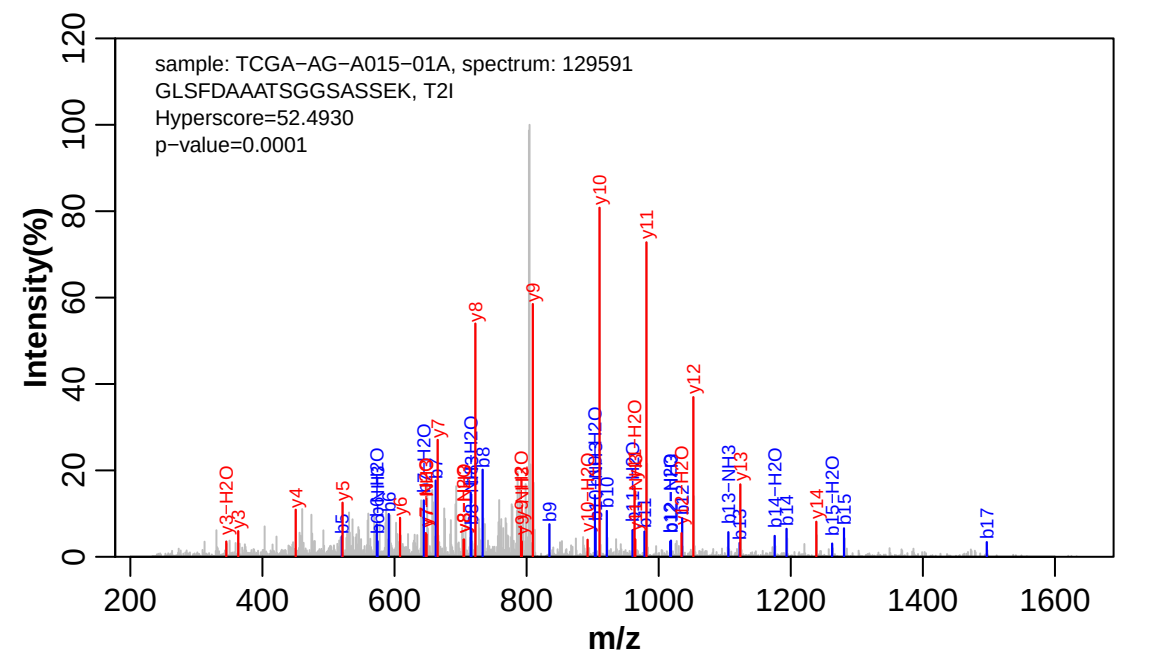

sample: TCGA−AG−A015−01A, spectrum: 71752
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=76.3014
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y6
b18++−H2O
b18++
b20++−H2O
b10
b24++
b24++−NH3
b25++
b26++
b27++
b17
b18
y18
b20
b21−NH3

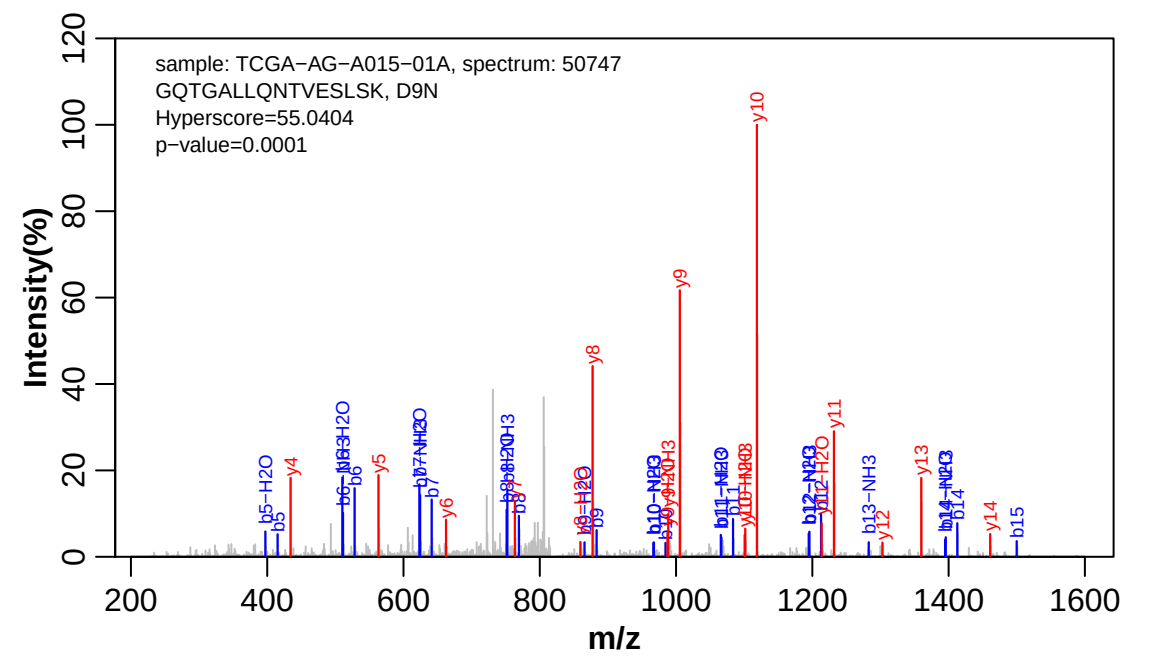

sample: TCGA−AG−A015−01A, spectrum: 91017
FYLGGPTSVR, I9V
Hyperscore=18.3824
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8

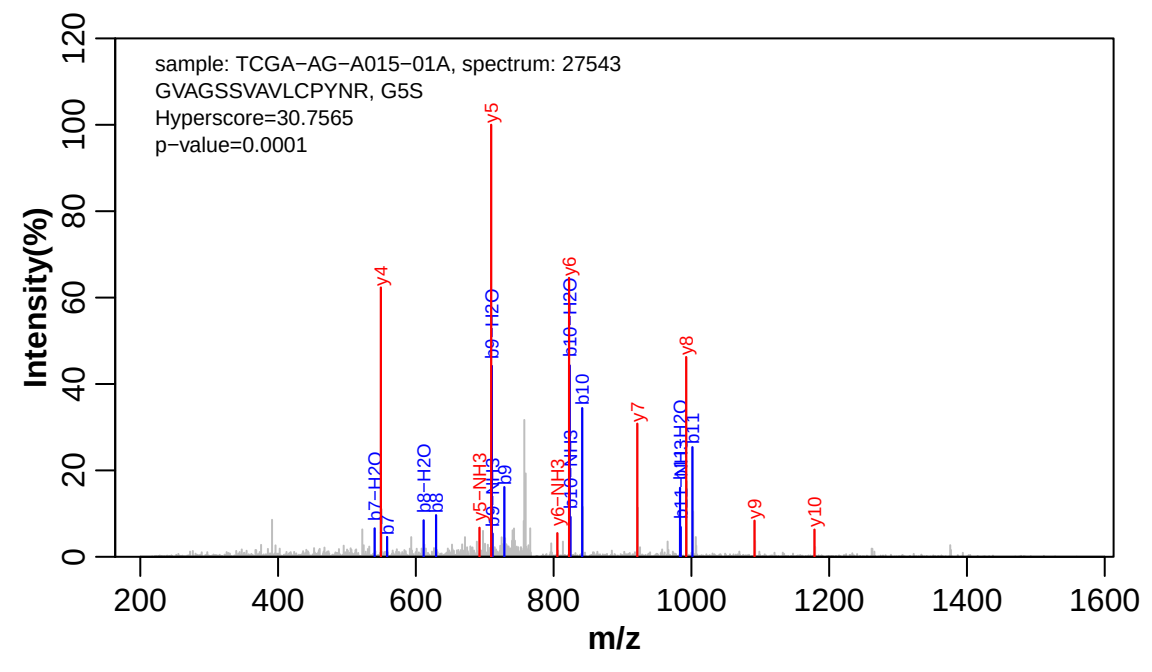

sample: TCGA−AG−A015−01A, spectrum: 59010
GALQFVTHYQQSSTQR, H11Q
Hyperscore=54.8289
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b4
b5
b6−NH3
b6−H2O
b10++
b10
b9
y12++
y13++
y13++−H2O
y14++−H2O
y8

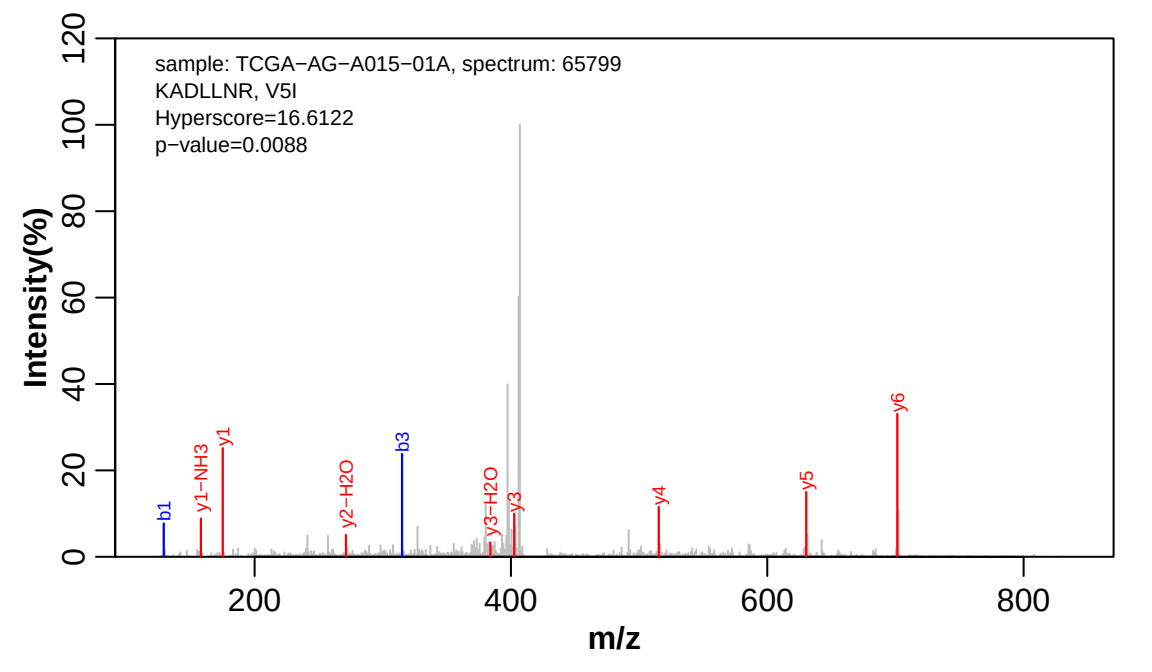

sample: TCGA−AG−A015−01A, spectrum: 6981
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=76.6725
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
b12
y5++
y3
b2++
b8++

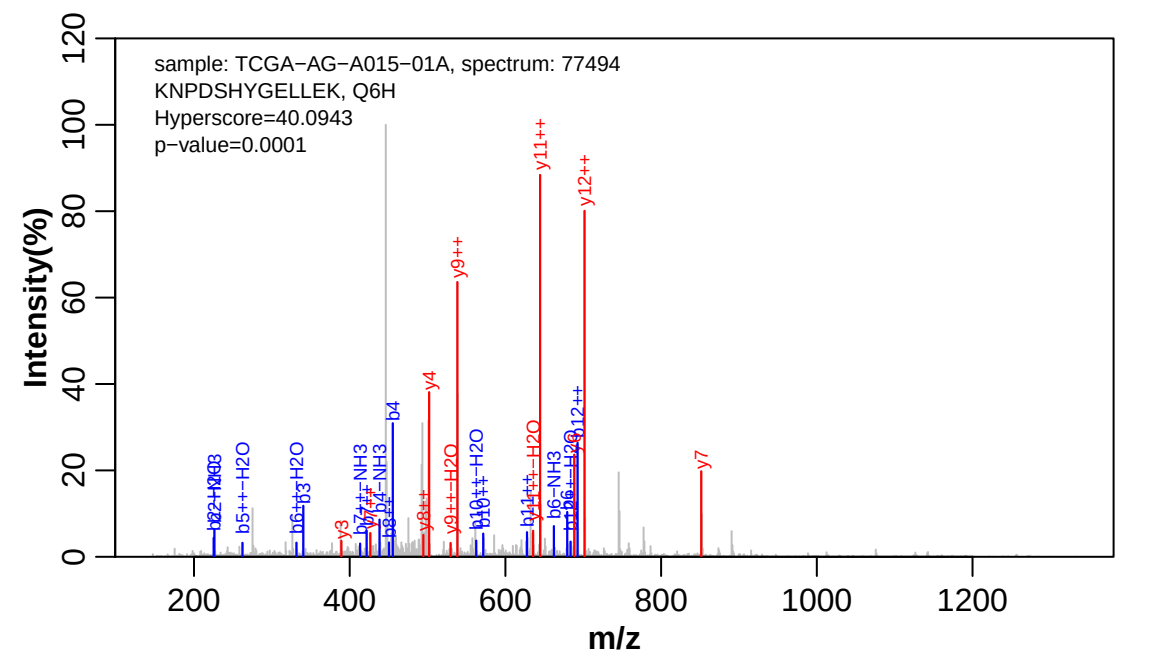

sample: TCGA−AG−A015−01A, spectrum: 7107
GLLDLLEER, V3I
Hyperscore=37.0358
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b5
y4
y3
y6
b6
y7
y5
b8
b2
y2
b4
b7−NH3
b6−H2O
y3−NH3
y2−H2O
b5−H2O
b4−NH3
b4−H2O
b5−NH3
y6−NH3
y6−H2O

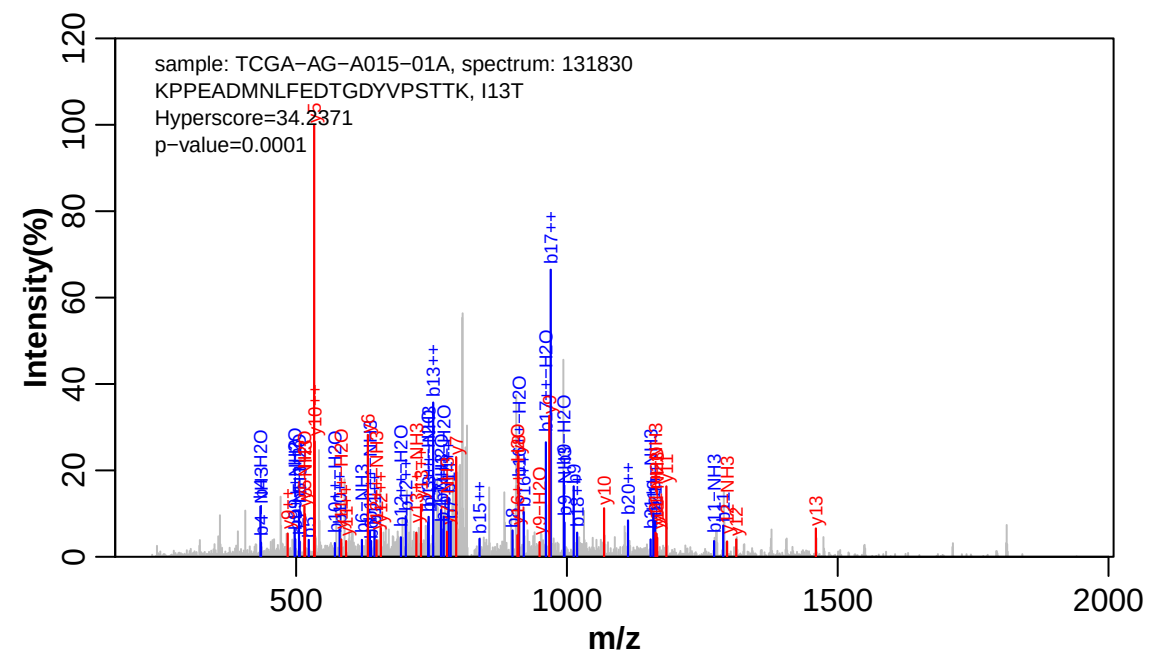

sample: TCGA−AG−A015−01A, spectrum: 129591
GLSFDAAATSGGSASSEK, T2I
Hyperscore=52.4930
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y11
y9
y8
y12
y4
y5
y6
y7
b9
b10
b11
b12
b13
b14
b15
b17
y13
y14
y3−H2O

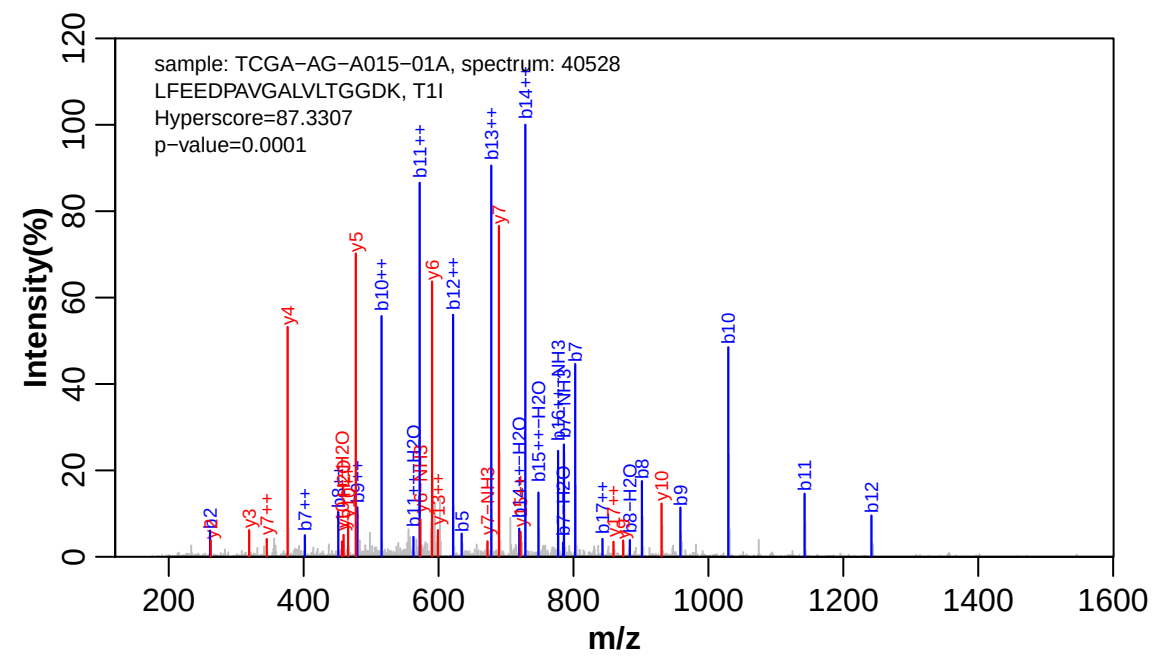

sample: TCGA−AG−A015−01A, spectrum: 50747
GQTGALLQNTVESLSK, D9N
Hyperscore=55.0404
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
b15
y12
b13−NH3
b5−H2O
b5
y4
b6
y5
y6
b7
b9
b10−NH3
b11
b12−NH3
b14

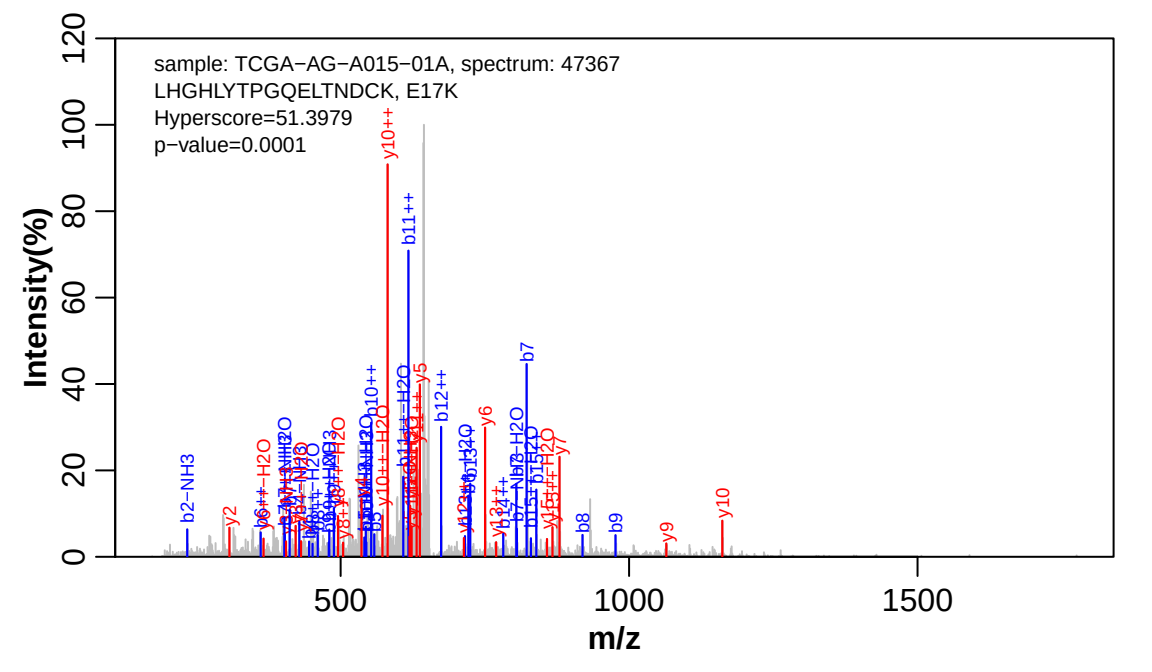

sample: TCGA−AG−A015−01A, spectrum: 27543
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.7565
p−value=0.0001
Intensity(%)
m/z
y5
y4
y6
y8
y7
y9
y10
b9−H2O
b10−H2O
b10
b11
b7−H2O
b8−H2O
b7
b8
b9
y5−NH3
y6−NH3
b10−NH3
b11−NH3
b11−H2O

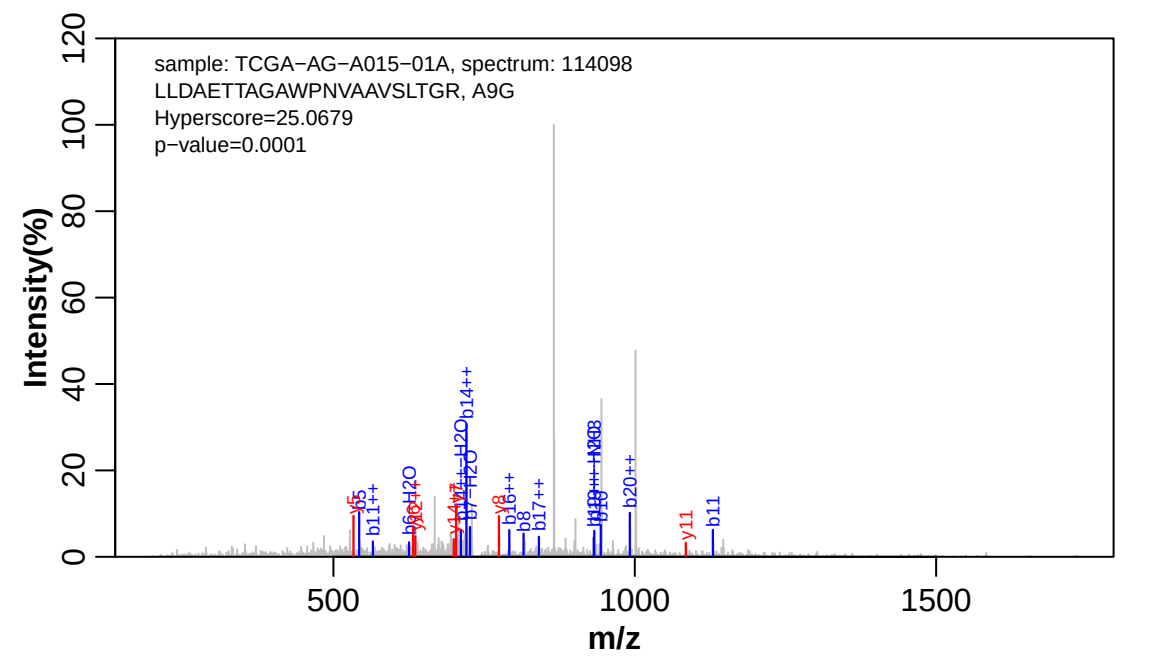

sample: TCGA−AG−A015−01A, spectrum: 65799
KADLLNR, V5I
Hyperscore=16.6122
p−value=0.0088
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b1
y1−NH3
y1
y2−H2O
b3
y3−H2O
y3
y4
y5
y6

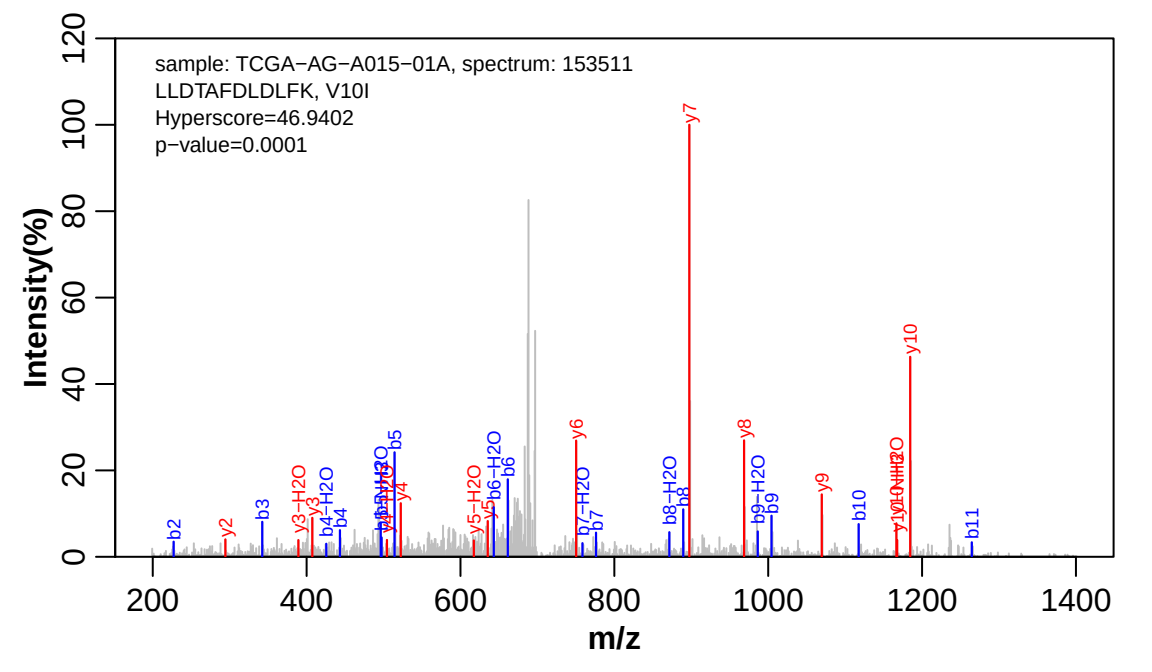

sample: TCGA−AG−A015−01A, spectrum: 77494
KNPDSHYGELLEK, Q6H
Hyperscore=40.0943
p−value=0.0001
Intensity(%)
m/z
y11++
y12++
y9++
y4
b4
y7
y3
b5++−H2O
b6++−H2O
b9++−H2O
b11++−H2O
y9++−H2O
y11++−H2O
b6−NH3
b7++−NH3
b8++−NH3

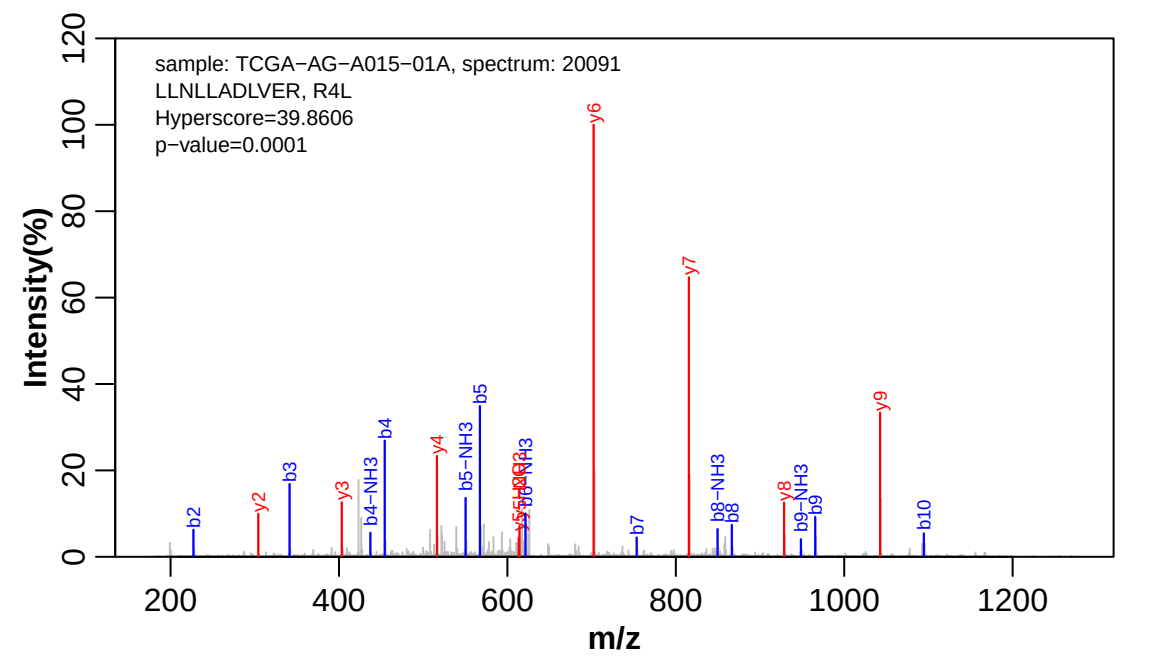

sample: TCGA−AG−A015−01A, spectrum: 131830
KPPEADMNLFEDTGDYVPSTTK, I13T
Hyperscore=34.2371
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b17++
y10++
b13++
b15++
y10
b20++
y13

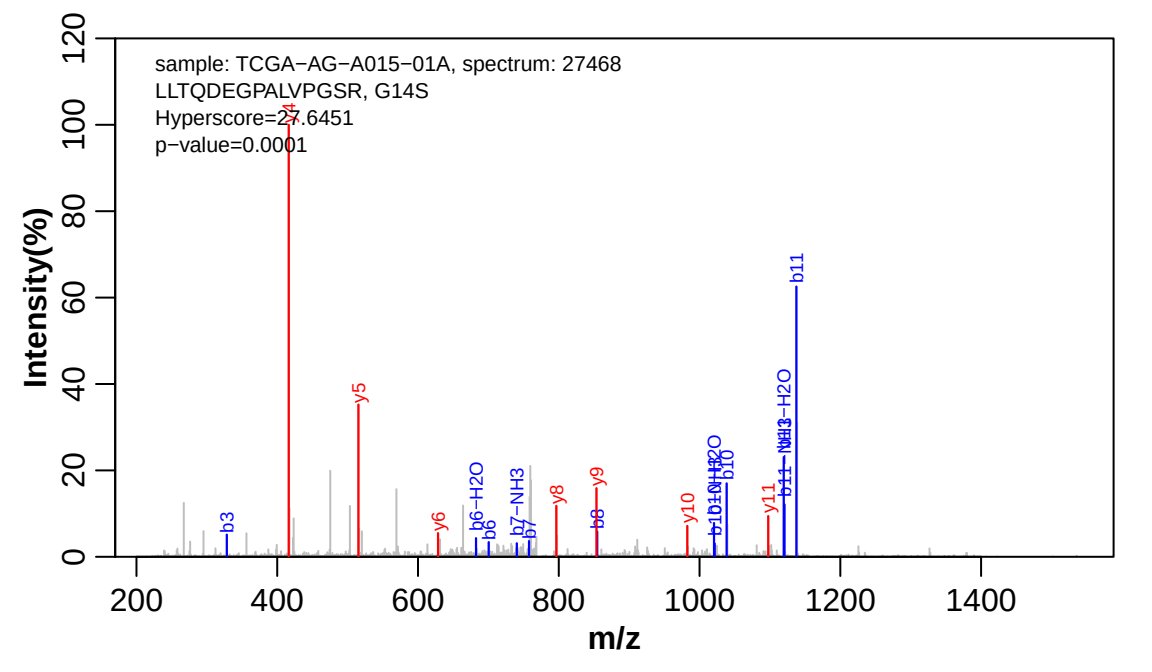

sample: TCGA−AG−A015−01A, spectrum: 40528
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=87.3307
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y7++
y4
b7++
y5
b10++
y6
b11++
b12++
b13++
b14++
y7
b5
y7−NH3
b15++−H2O
b7
b10
b11
b12
b9
y10
b8
b17++
y8
b8−H2O

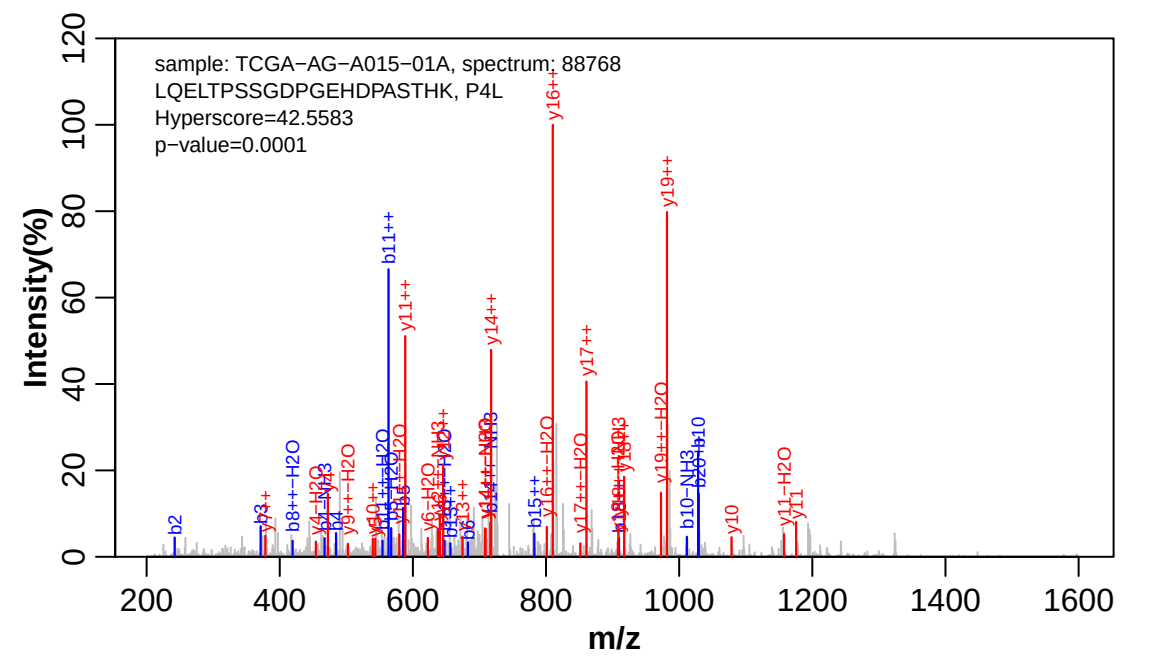

sample: TCGA−AG−A015−01A, spectrum: 47367
LHGHLYTPGQELTNDCK, E17K
Hyperscore=51.3979
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2−NH3
y2
b6++−H2O
y10++
b11++
b10++
b11++−H2O
y5
b12++
y6
b7
y7
y13++
b8
b9
y9
y10

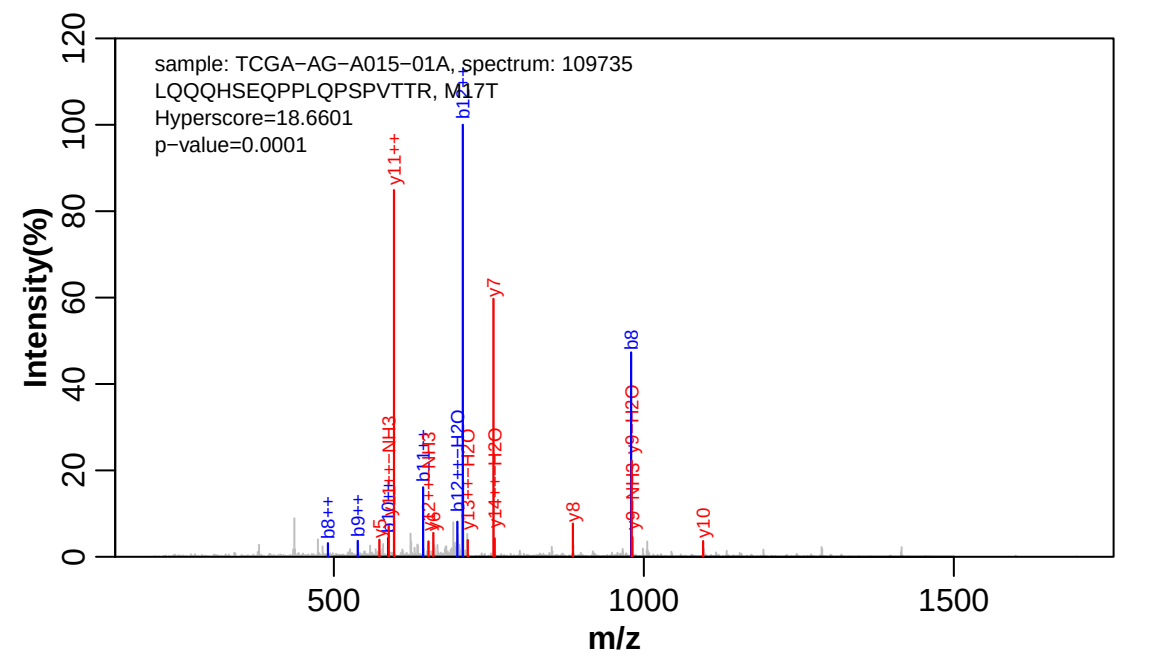

sample: TCGA−AG−A015−01A, spectrum: 114098
LLDAETTAGAWPNVAAVSLTGR, A9G
Hyperscore=25.0679
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y5
b11++
b6−H2O
y6
y4++
y4
b7++−H2O
b7−H2O
b14++
y8
b16++
b8
b17++
b19++−H2O
b19−H2O
b20++
y11
b11

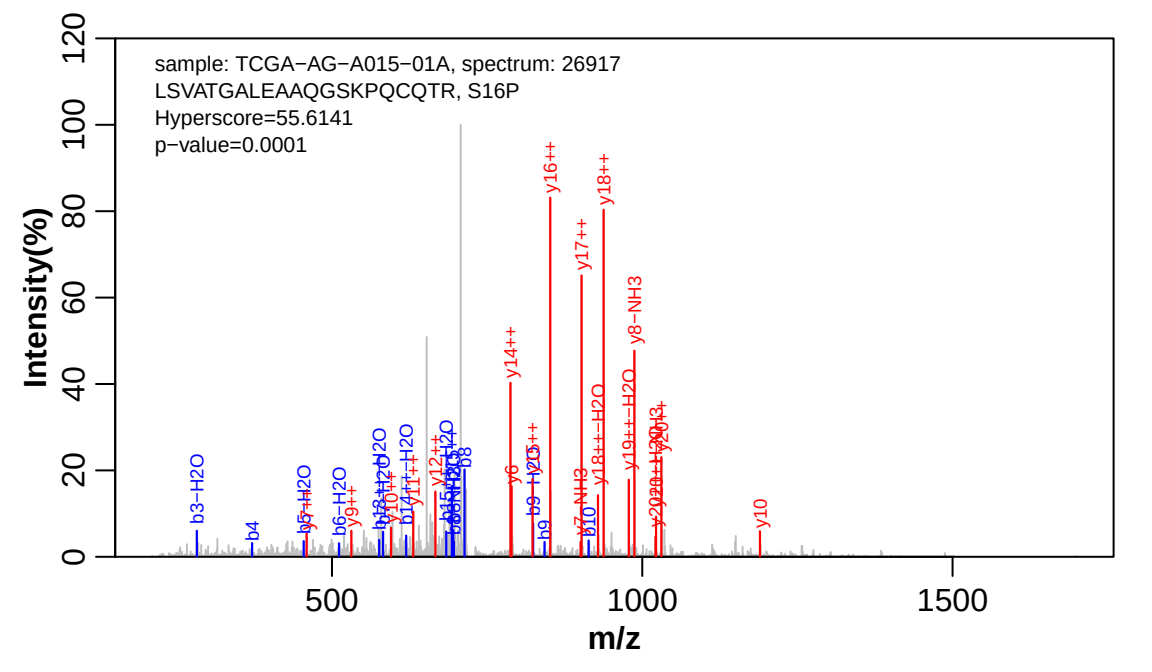

sample: TCGA−AG−A015−01A, spectrum: 153511
LLDTAFDLDLFK, V10I
Hyperscore=46.9402
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3−H2O
y3
b4−H2O
b4
b5
y4
y5−H2O
y5
b6−H2O
b6
y6
b7−H2O
b7
b8−H2O
b8
y7
y8
b9−H2O
b9
y9
b10
y10
b11

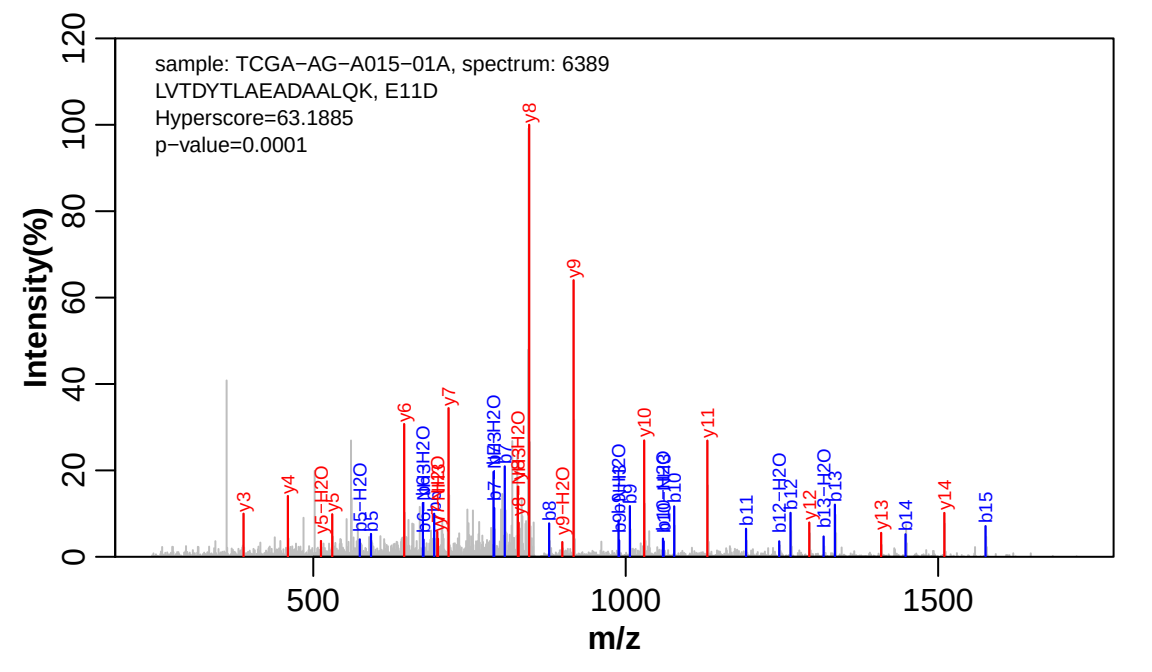

sample: TCGA−AG−A015−01A, spectrum: 20091
LLNLLADLVER, R4L
Hyperscore=39.8606
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y8
y4
y3
y2
b5
b5−NH3
b4
b4−NH3
b3
b2
b7
b8−NH3
b8
b9−NH3
b9
b10

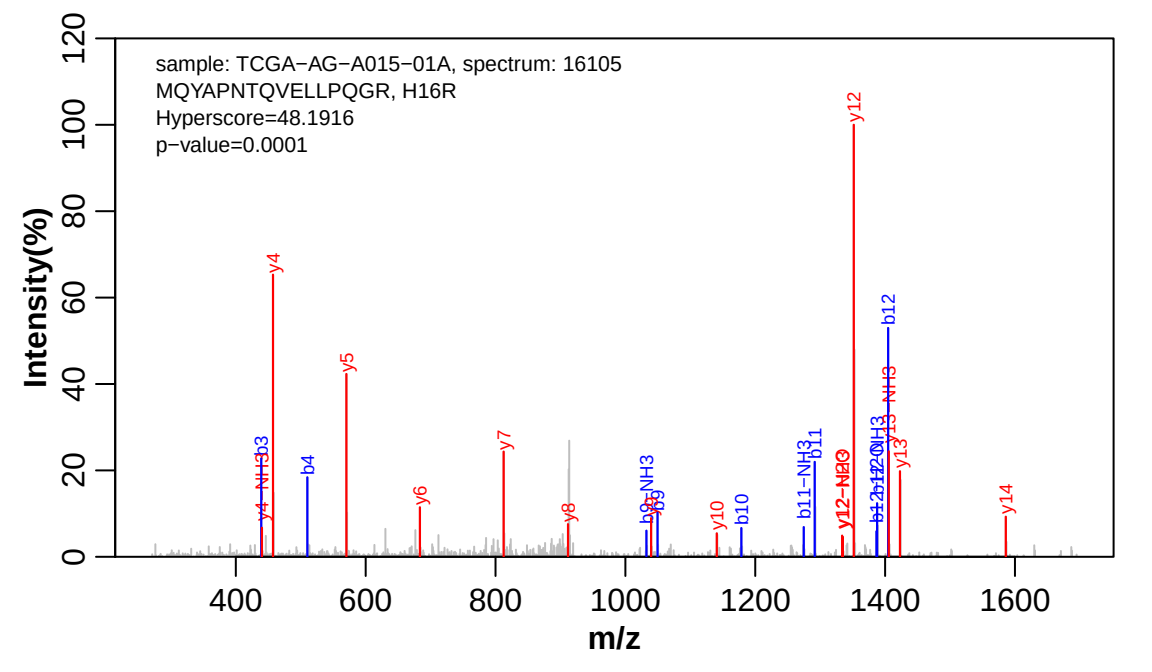

sample: TCGA−AG−A015−01A, spectrum: 27468
LLTQDEGPALVPGSR, G14S
Hyperscore=27.6451
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
y5
y6
b3
b6−H2O
b6
b7−NH3
b7
y8
y9
b8
y10
b10
y11
b11
b11−H2O

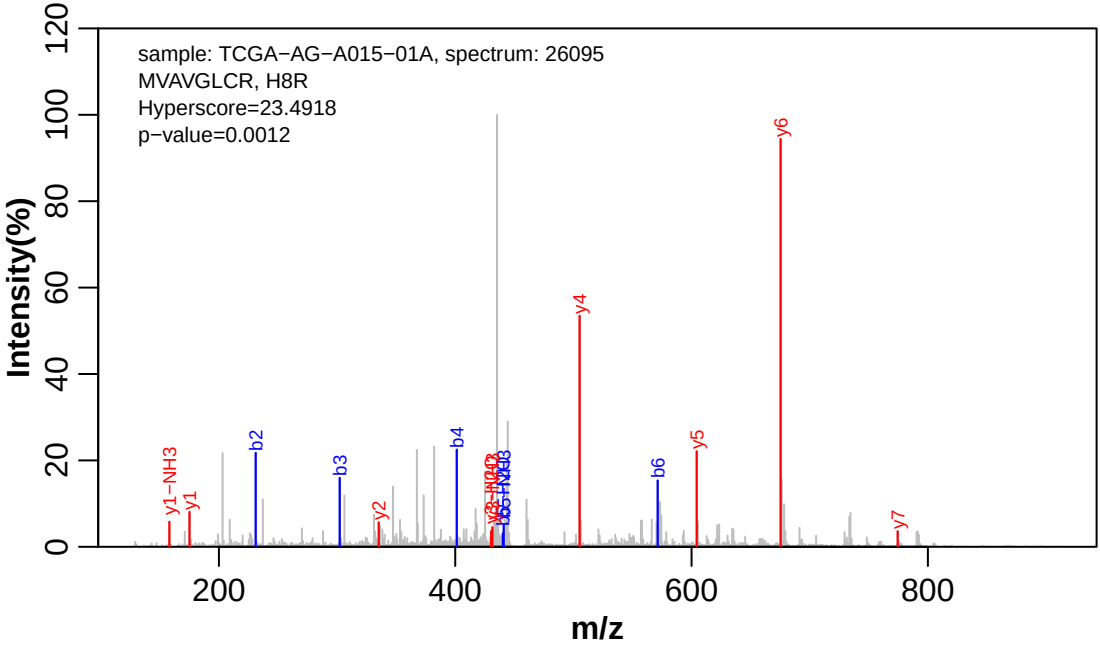

sample: TCGA−AG−A015−01A, spectrum: 88768
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=42.5583
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3++
b8++−H2O
y4−NH3
y4−H2O
y9++−H2O
b11++
y11++
y14++
y16++
y16++−H2O
b15++
y17++
y17++−H2O
y19++
y19++−H2O
b10−NH3
b10
y10
y11−H2O
y11

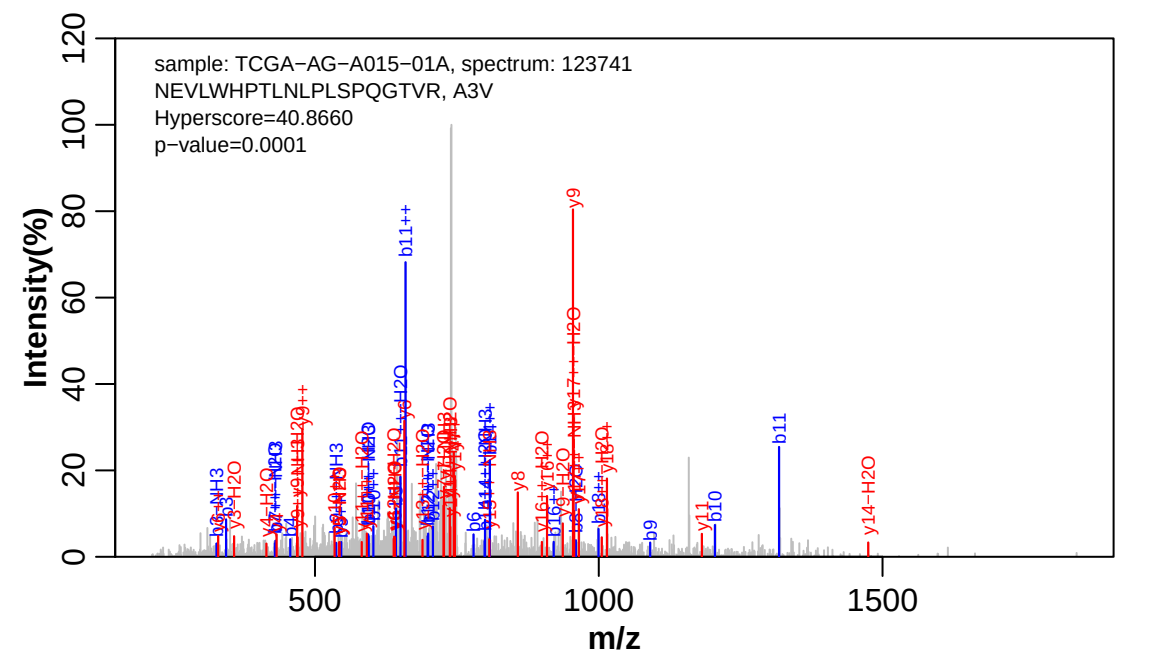

sample: TCGA−AG−A015−01A, spectrum: 109735
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=18.6601
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b8++
b9++
y5
b10++−NH3
y11++
y6++−NH3
b11++
b12++−H2O
b1++
y13++−H2O
y14++−H2O
y7
y8
b8
y9−NH3
y9−H2O
y10

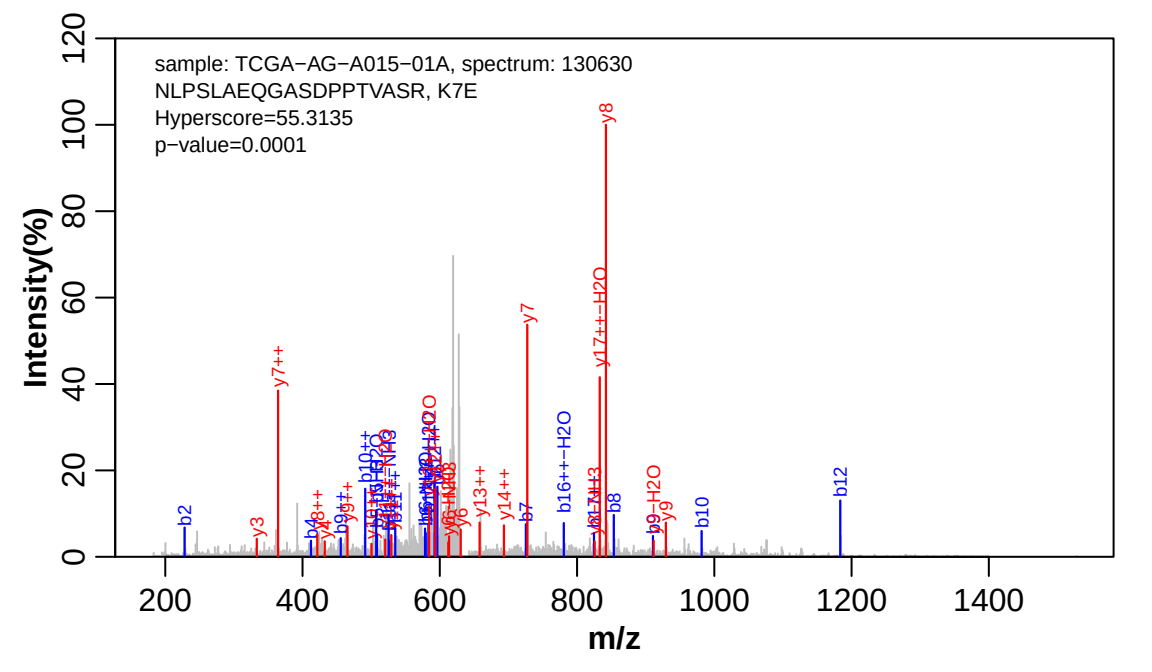

sample: TCGA−AG−A015−01A, spectrum: 26917
LSVATGALEAAQGSKPQCQTR, S16P
Hyperscore=55.6141
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
b4
b5−H2O
b6−H2O
y9++
y16++
y17++
y18++
y8−NH3
y14++
y6
y18++−H2O
y19++−H2O
b10
y10

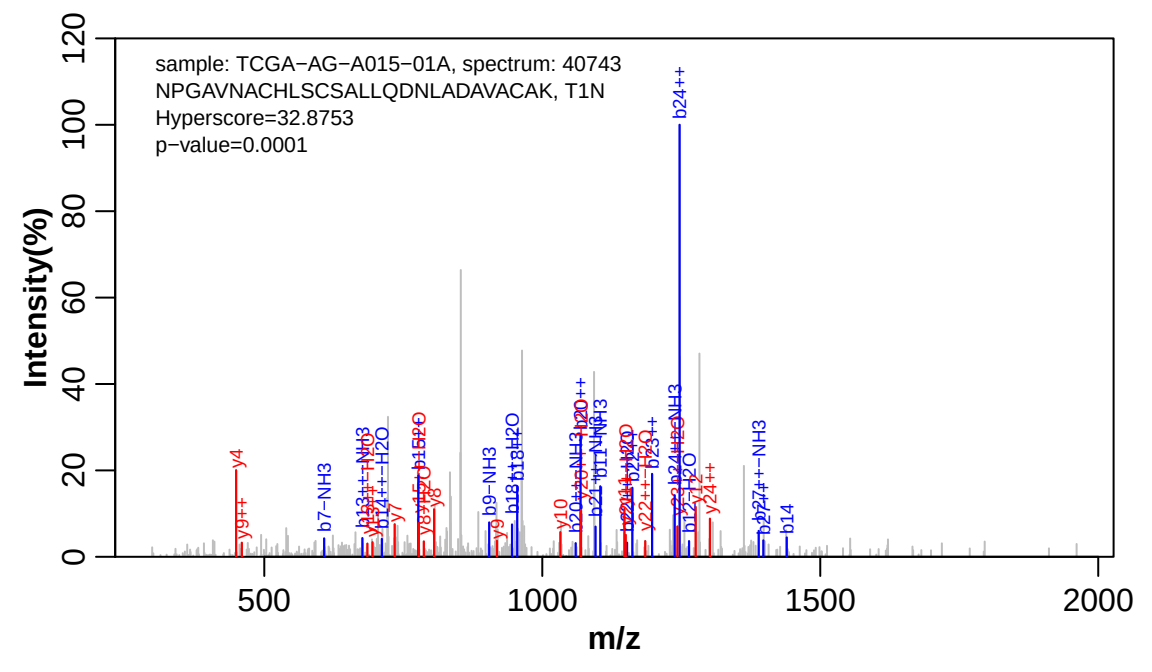

sample: TCGA−AG−A015−01A, spectrum: 6389
LVTDYTLAEADAALQK, E11D
Hyperscore=63.1885
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y9
y6
y7
y10
y11
y3
y4
y5
y5−H2O
b5−H2O
b8
y9−H2O
b11
b12−H2O
y12
b13−H2O
y13
b14
y14
b15

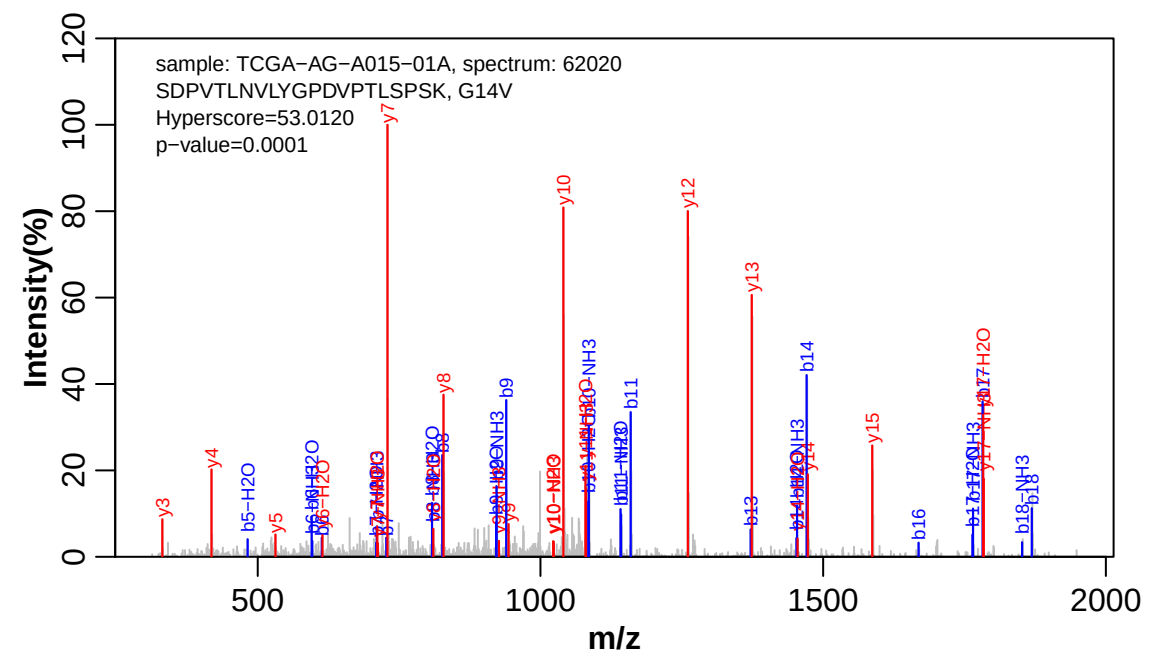

sample: TCGA−AG−A015−01A, spectrum: 16105
MQYAPNTQVELLPQGR, H16R
Hyperscore=48.1916
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600
y4
y5
y6
y7
y8
y10
y12
y13
y14
b4
b10
b11
b12
y4−NH3
b11−NH3
y12−NH3
b12−NH3
y13−NH3

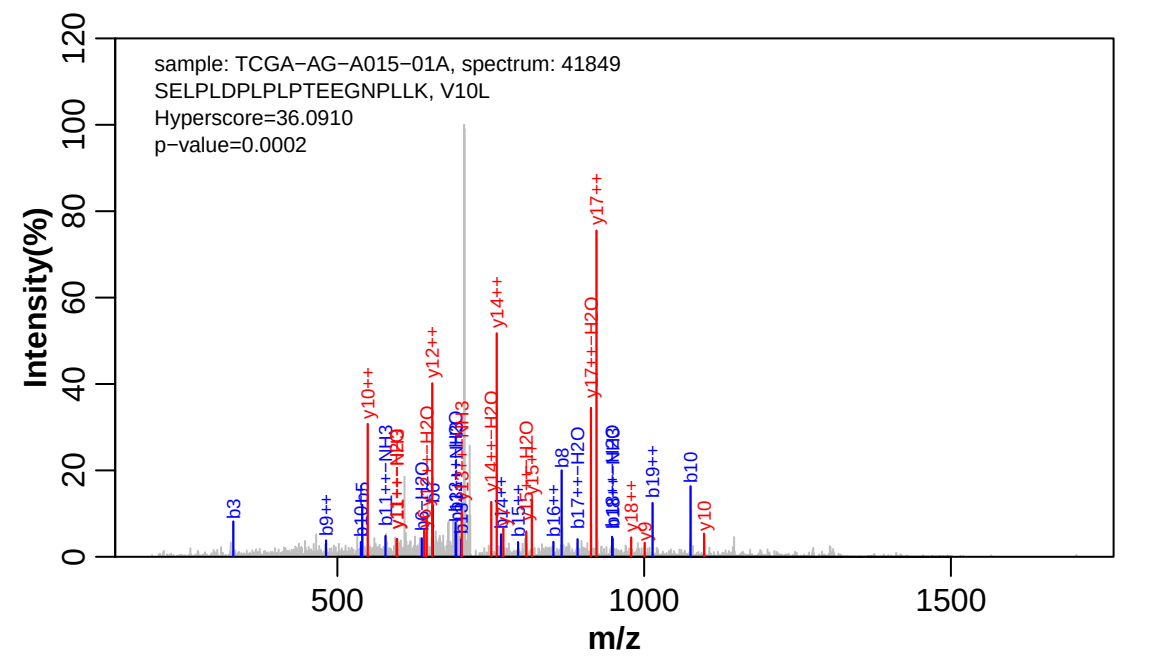

sample: TCGA−AG−A015−01A, spectrum: 26095
MVAVGLCR, H8R
Hyperscore=23.4918
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
y1−NH3
y1
b2
b3
y2
b4
b6
y4
y5
y6
y7

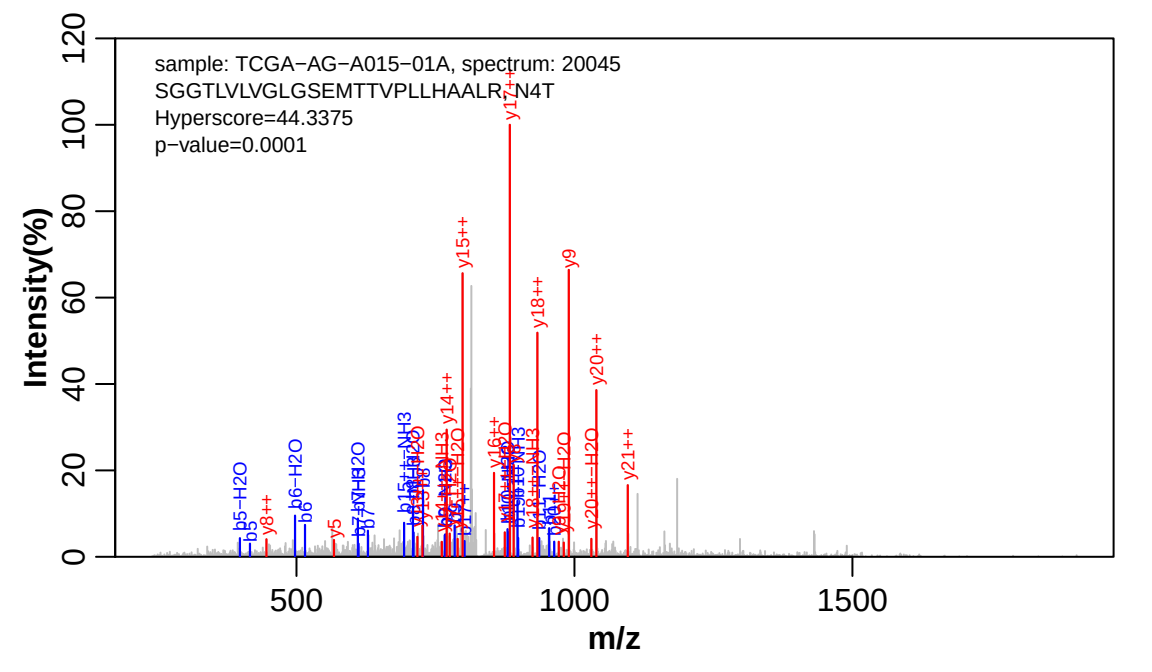

sample: TCGA−AG−A015−01A, spectrum: 123741
NEVLWHPTLNLPLSPQGTVR, A3V
Hyperscore=40.8660
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b11++
y9
y8
b11
y14−H2O
b10
b9
y11

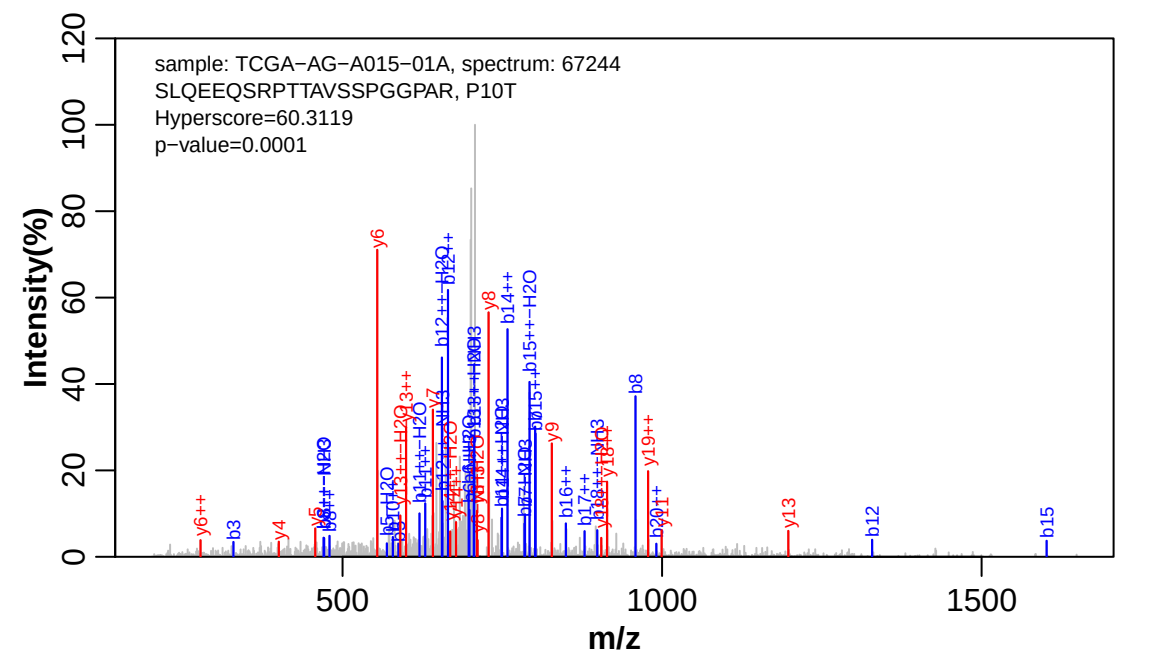

sample: TCGA−AG−A015−01A, spectrum: 130630
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=55.3135
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y8
y7++
y7
y17++−H2O
b16++−H2O
b12
y13++
y14++
b7
b8
b10
b2
y3
y4
y9++
y9−H2O

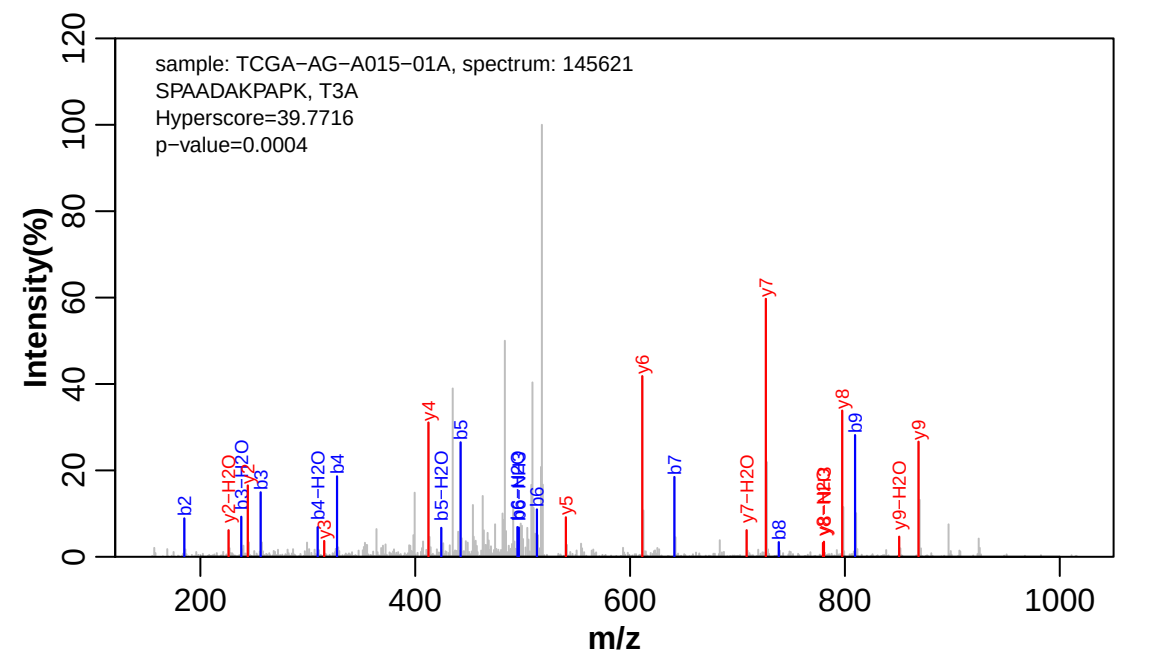

sample: TCGA−AG−A015−01A, spectrum: 40743
NPGAVNACHLSCSALLQDNLADAVACAK, T1N
Hyperscore=32.8753
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
y4
y9++
b7−NH3
y7
b14++−H2O
y8
b9−NH3
y9
b18
b18−H2O
y10
b21++−NH3
y24++
b14
b27++−NH3

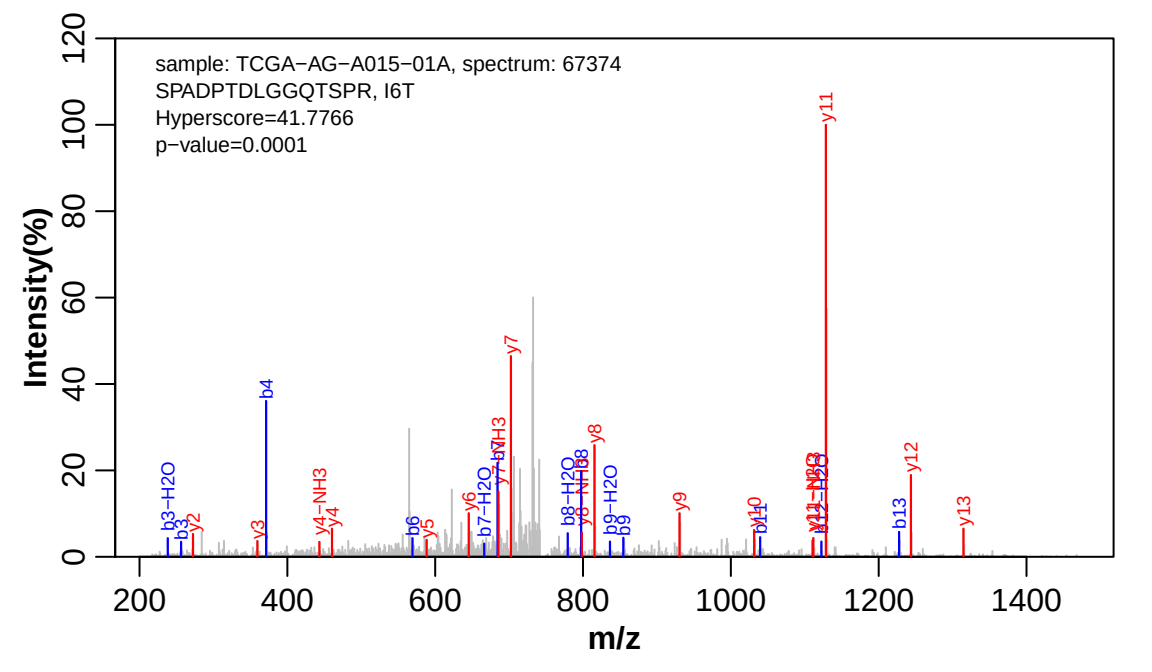

sample: TCGA−AG−A015−01A, spectrum: 62020
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=53.0120
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
b5−H2O
y5
y7
y8
b9
y10
y12
y13
b14
y15
b16
b18−NH3
b18

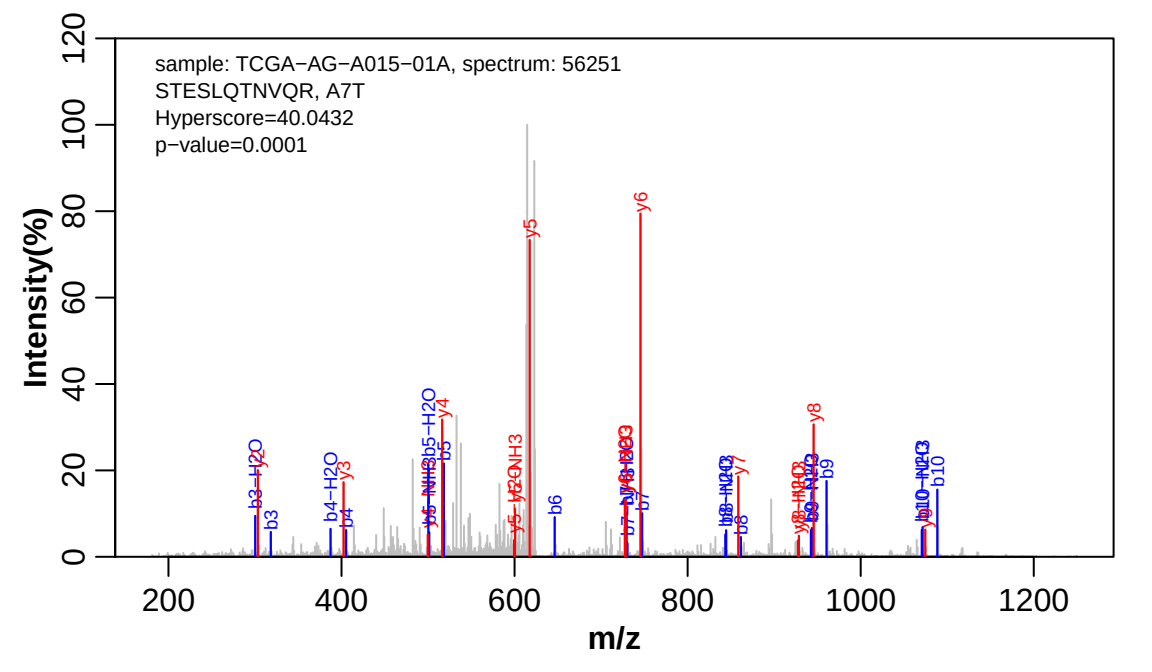

sample: TCGA−AG−A015−01A, spectrum: 41849
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=36.0910
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b9++
b10-h5
y10++
b11++-NH3
y11++-NH3
b6-H2O
b8
y12++
b12++-NH3
b13++-NH3
y14++-H2O
y14++
b14++
b15++
y15++-H2O
b16++
b8
b17++-H2O
y17++-H2O
y17++
b18++-NH3
y18++
y9
b19++
b10
y10

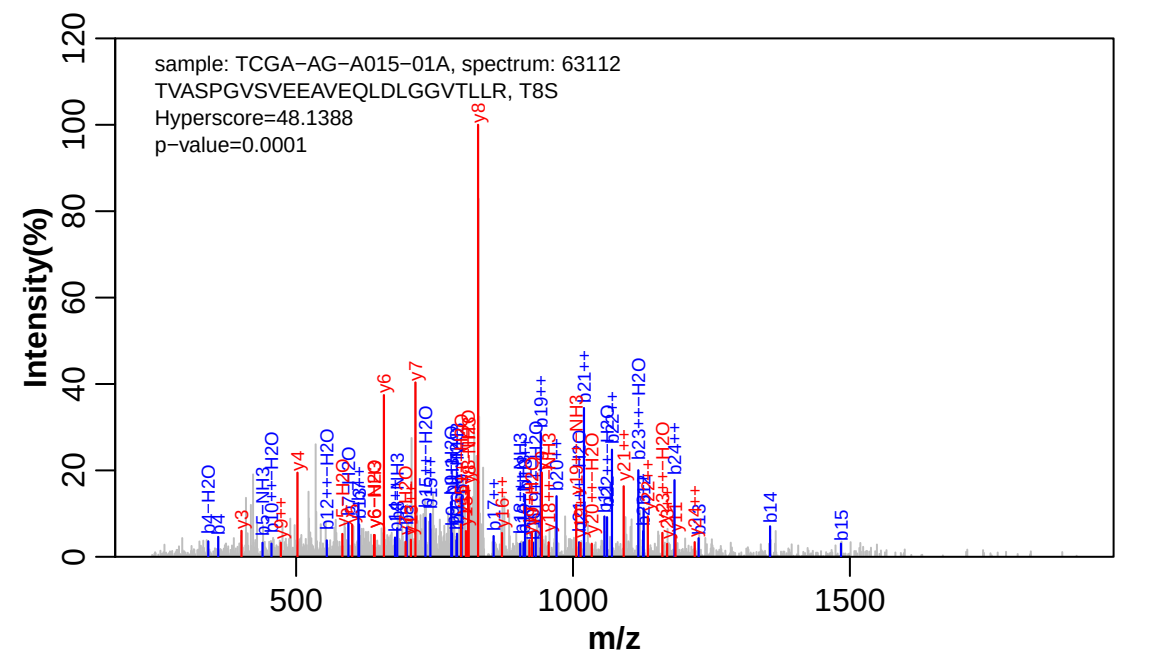

sample: TCGA−AG−A015−01A, spectrum: 20045
SGGTLVLVGLGSEMTTVPLLHAALR_N4T
Hyperscore=44.3375
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y15++
y18++
y9
y20++
y14++
y21++
y8++
y5
b5−H2O
b6−H2O
b6
b15++−NH3
y16++
y20++−H2O

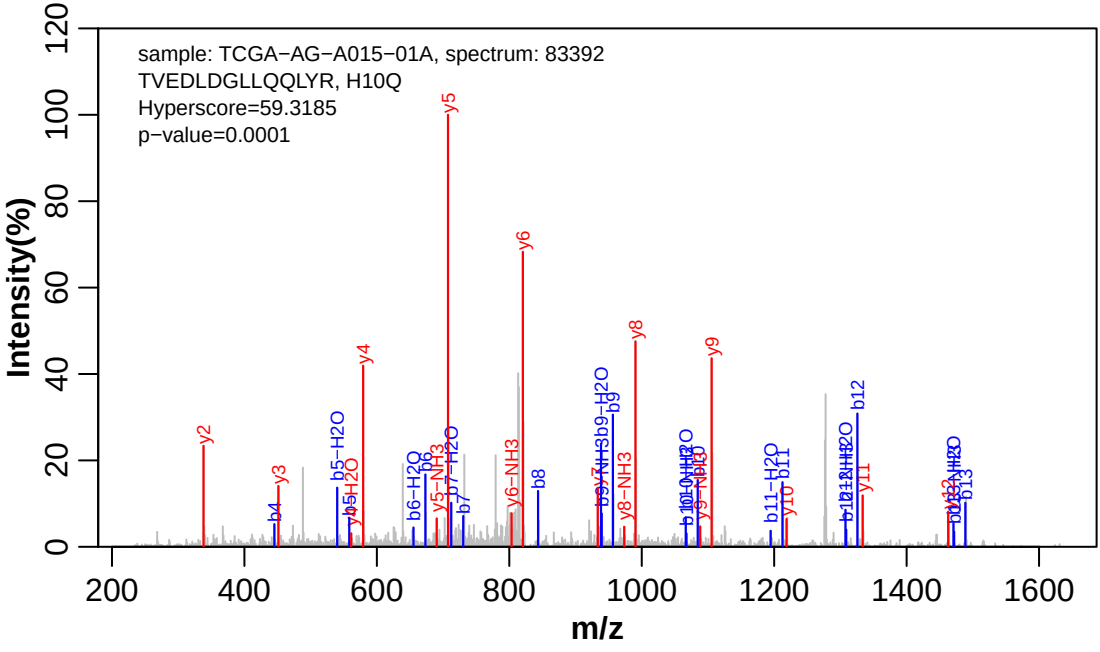

sample: TCGA−AG−A015−01A, spectrum: 67244
SLQEEQSRPTTAVSSPGGPAR, P10T
Hyperscore=60.3119
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y8
y9
y6++
b3
y4
b14++
b15++−H2O
b8
y19++
b16++
b17++
y13
b12
b15

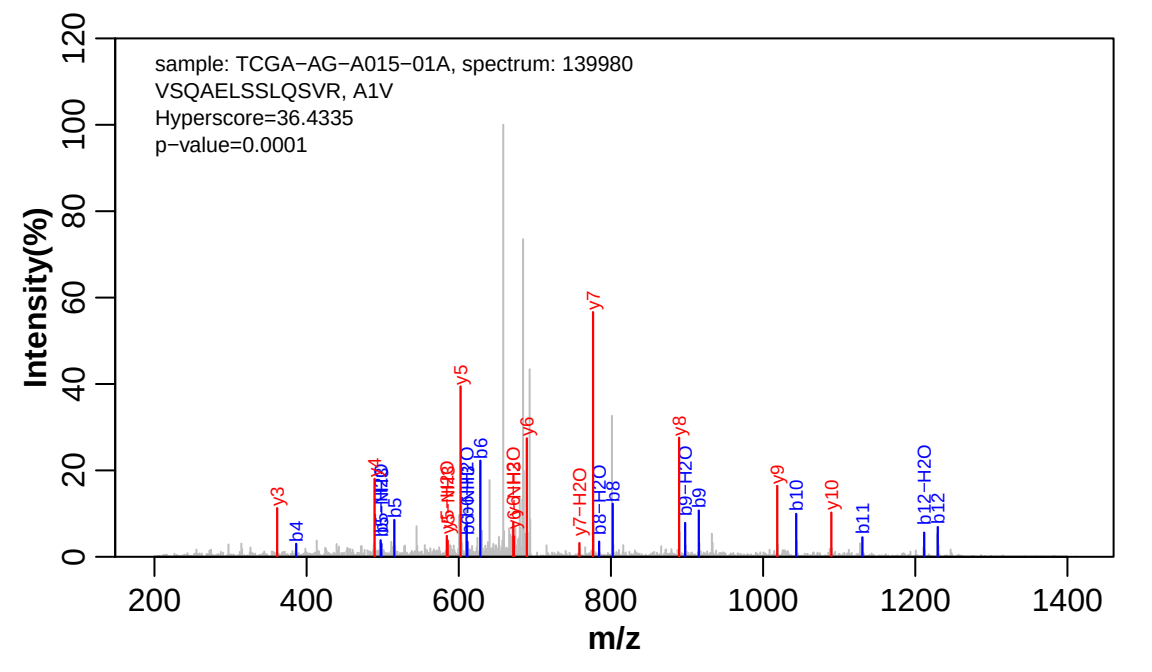

sample: TCGA−AG−A015−01A, spectrum: 145621
SPAADAKPAPK, T3A
Hyperscore=39.7716
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2−H2O
b3−H2O
b3
b4−H2O
b4
y3
y4
b5
b5−H2O
b6−NH3
b6
y5
y6
b7
y7
y7−H2O
b8
y8−NH3
y8
b9
y9
y9−H2O

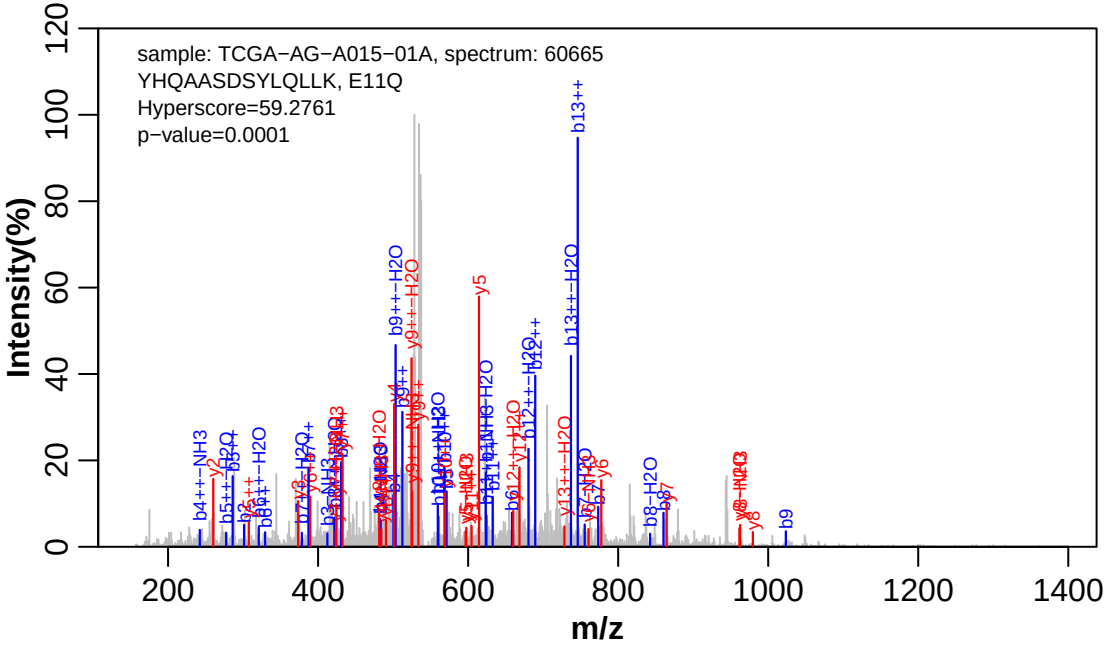

sample: TCGA−AG−A015−01A, spectrum: 67374
SPADPTDLGGQTSPR, I6T
Hyperscore=41.7766
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
y2
y3
b4
y4−NH3
y4
b6
y5
y6
b7−H2O
y7−NH3
y7
y8
b8−H2O
y8−NH3
b9−H2O
b9
y9
b10
b11
y11
b13
y12
y13

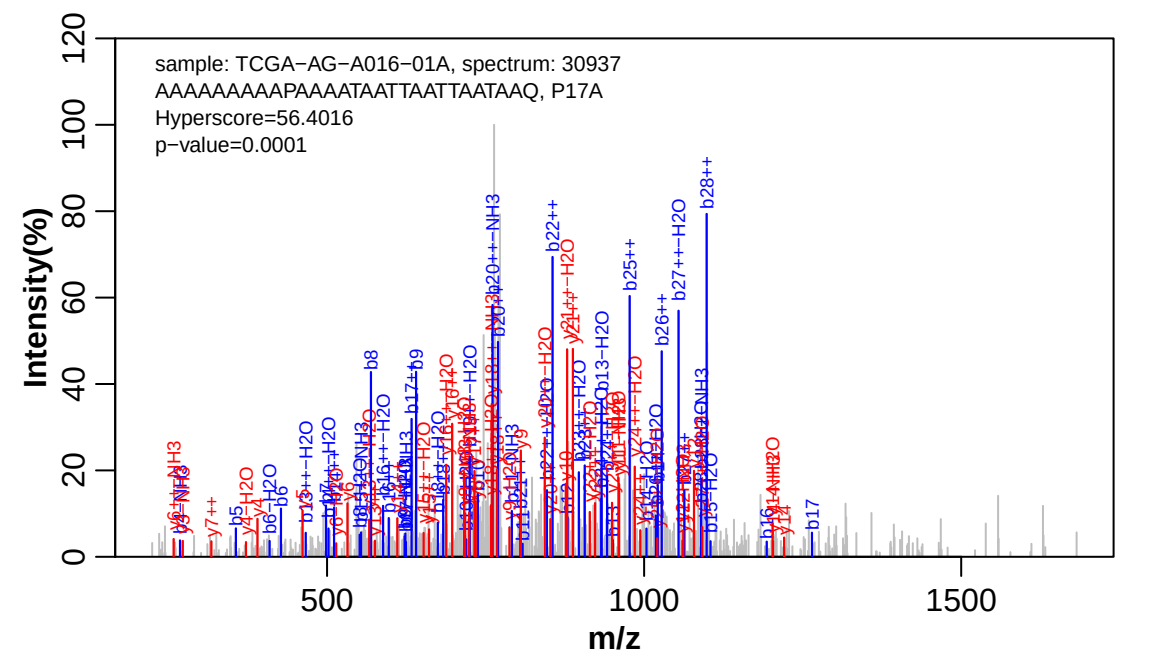

sample: TCGA−AG−A015−01A, spectrum: 56251
STESLQTNVQR, A7T
Hyperscore=40.0432
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y5
y8
y4
b5−H2O
b5
b5−NH3
y5−H2O
y5−NH3
b6
b7
b9
b10
y7
y3
b4−H2O
b4
b3−H2O
b3
y2

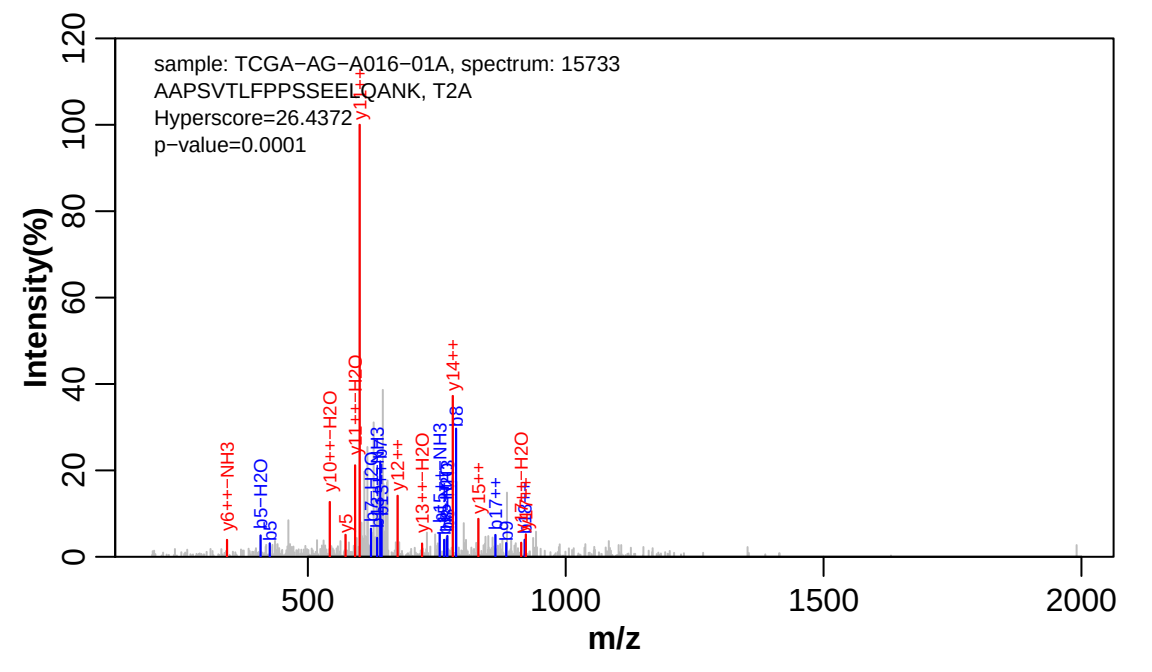

sample: TCGA−AG−A015−01A, spectrum: 63112
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=48.1388
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y6
y7
y4
b14
b15

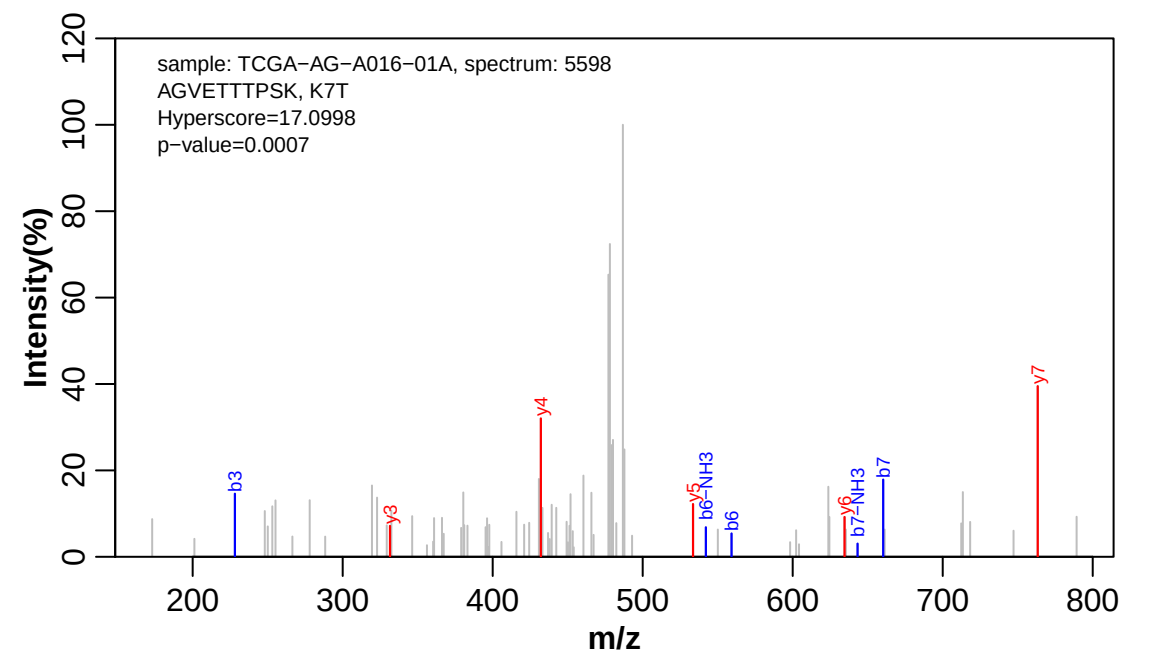

sample: TCGA−AG−A015−01A, spectrum: 83392
TVEDLDGLLQQLYR, H10Q
Hyperscore=59.3185
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
b4
b5−H2O
y4
y5
b6−H2O
b6
y5−NH3
b7−H2O
b7
y6
y6−NH3
b8
y8
y8−NH3
b9
y9
b11−H2O
y10
b11
b12
y11
b13

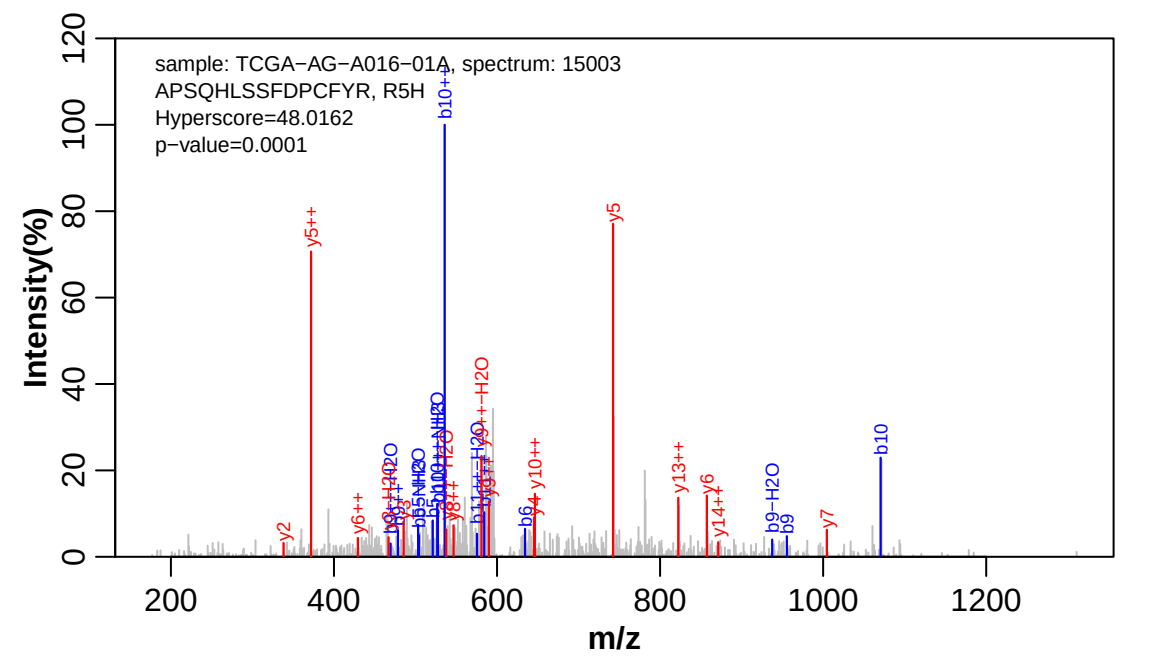

sample: TCGA−AG−A015−01A, spectrum: 139980
VSQAELSSLQSVR, A1V
Hyperscore=36.4335
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b4
y5
y6
y7
b6
b8
y7−H2O
b8−H2O
y8
b9
b9−H2O
y9
b10
y10
b11
b12
b12−H2O

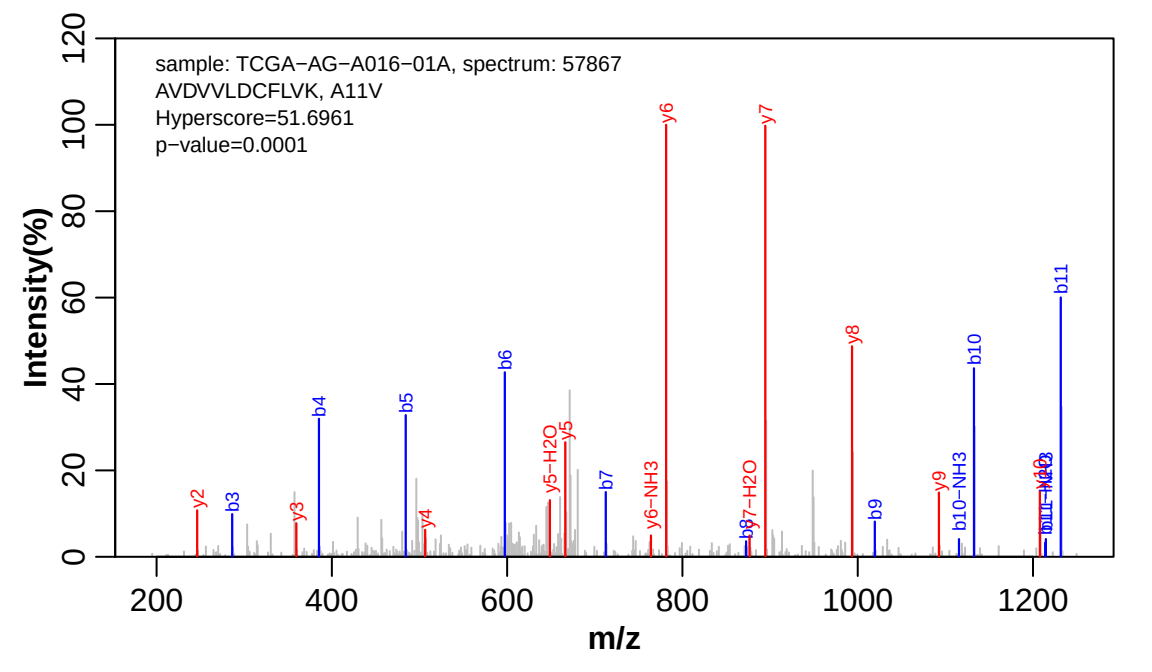

sample: TCGA−AG−A015−01A, spectrum: 60665
YHQAASDSYLQLLK, E11Q
Hyperscore=59.2761
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b13++
b13++−H2O
y5
b9++−H2O
y9++−H2O
b4++−NH3
y2
b5++−H2O
b6++−H2O
b12++
b12++−H2O
y13++−H2O
y6
b8−H2O
b9
y8

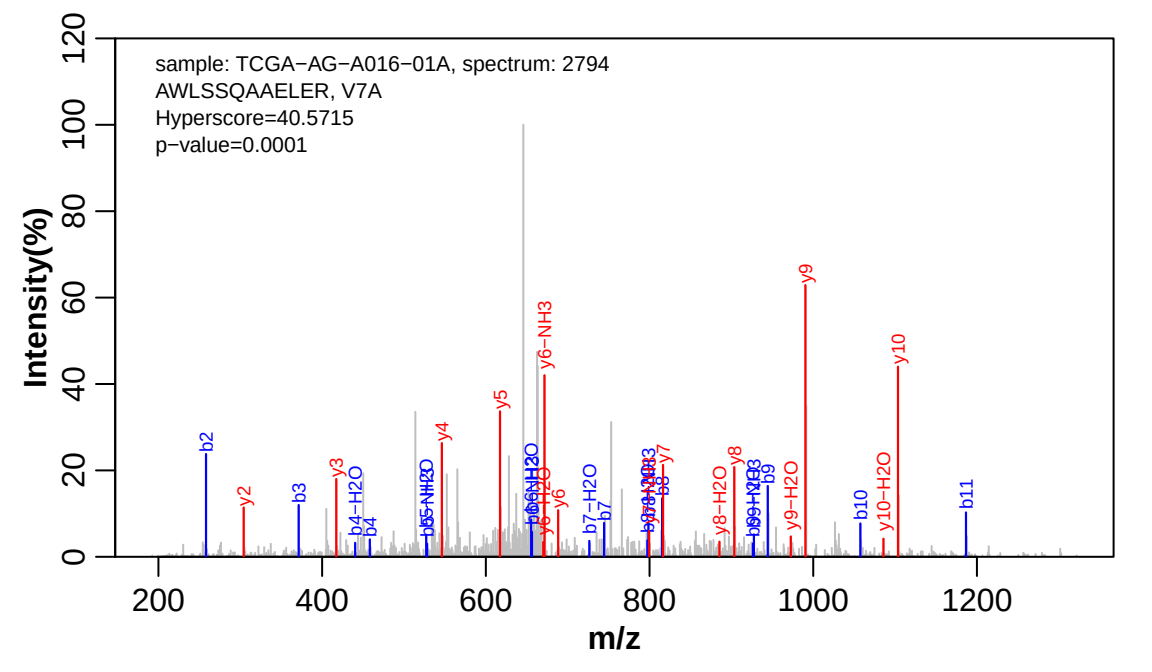

sample: TCGA−AG−A016−01A, spectrum: 30937
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=56.4016
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

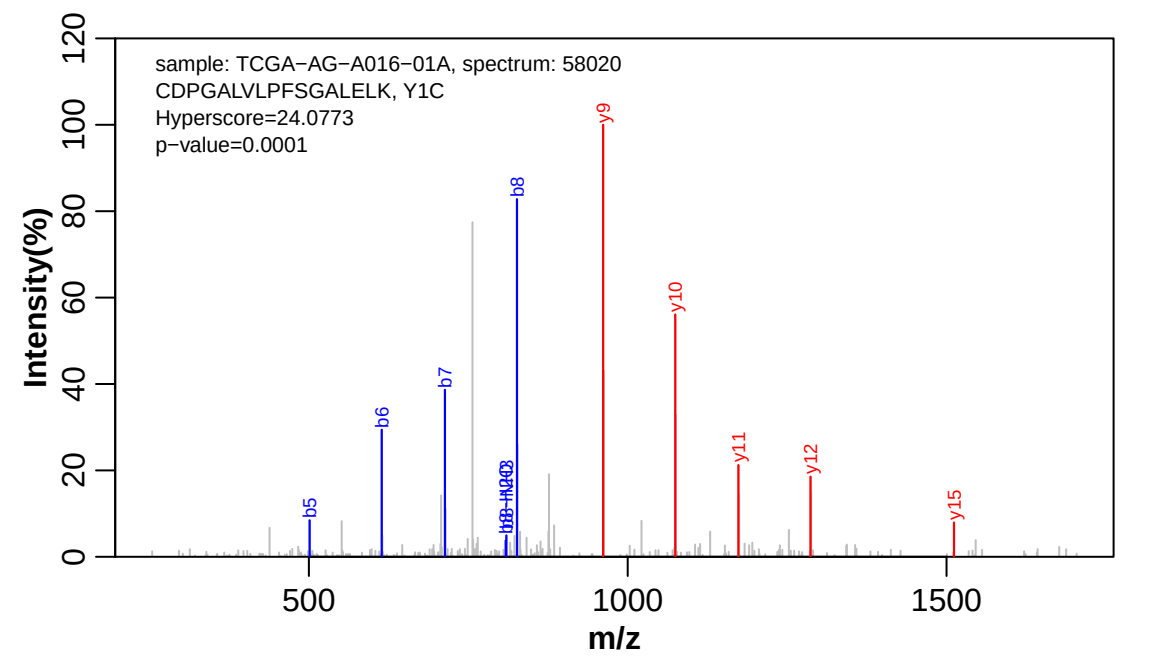

sample: TCGA−AG−A016−01A, spectrum: 15733
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=26.4372
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6++−NH3
b5−H2O
y10++−H2O
y5
y11++−H2O
y11++
y12++
y13++−H2O
y14++
y15++
b17++
b9
y17++−H2O

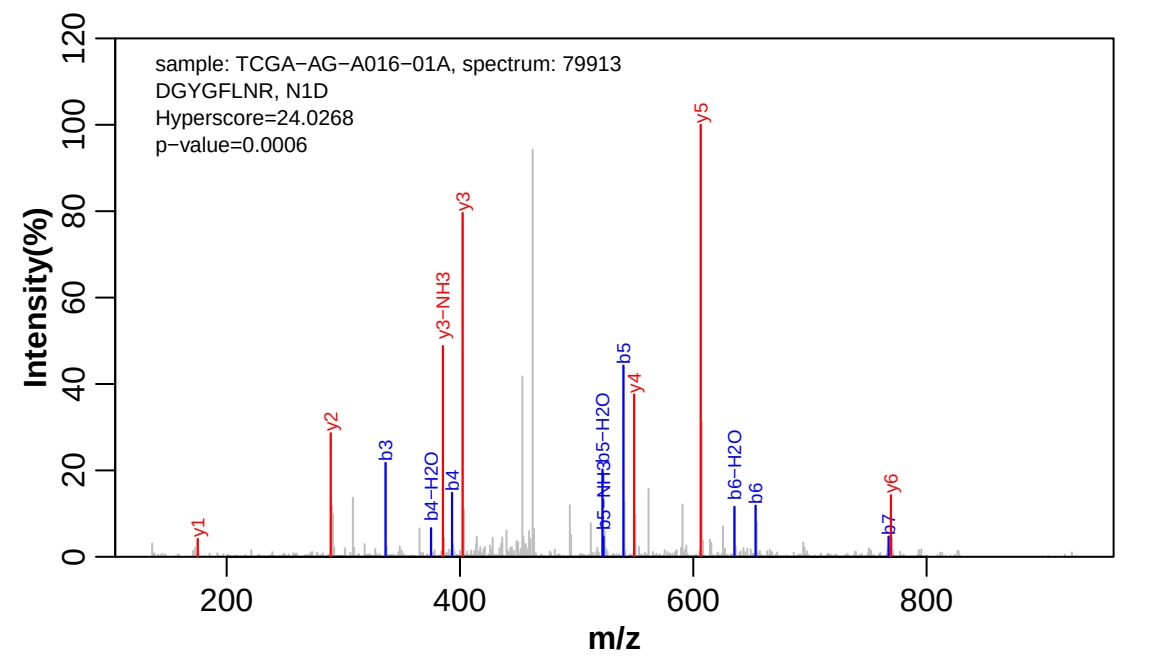

sample: TCGA−AG−A016−01A, spectrum: 5598
AGVETTTPSK, K7T
Hyperscore=17.0998
p−value=0.0007
Intensity(%)
0
20
40
60
80
100
120
200
300
400
500
600
700
800
m/z
b3
y3
y4
y5
b6−NH3
b6
y6
b7−NH3
b7
y7

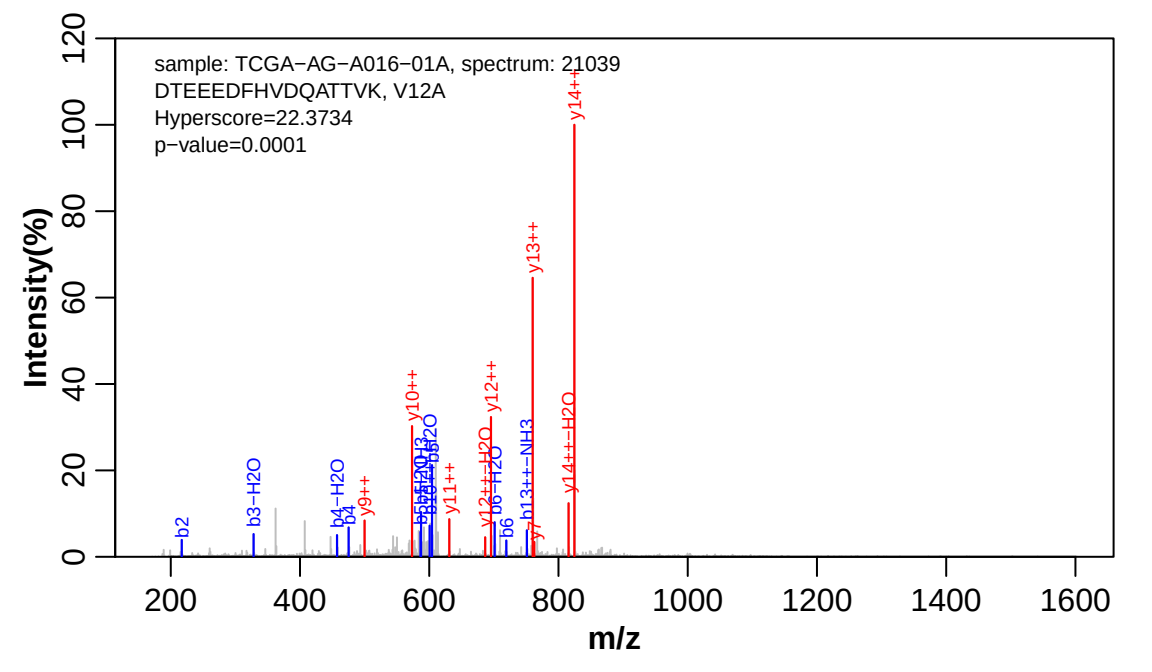

sample: TCGA−AG−A016−01A, spectrum: 15003
APSQHLSSFDPCFYR, R5H
Hyperscore=48.0162
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b10++
y5++
y5
y2
y6++
b3−H2O
b3
b4−H2O
b4
b5−NH3
b5−H2O
b5
b6−NH3
b6−H2O
b6
b7−H2O
b7
b8++
y8++
b11++−H2O
y9++−H2O
y9++
b6
y4
y10++
y13++
y6
y14++
b9−H2O
b9
y7
b10

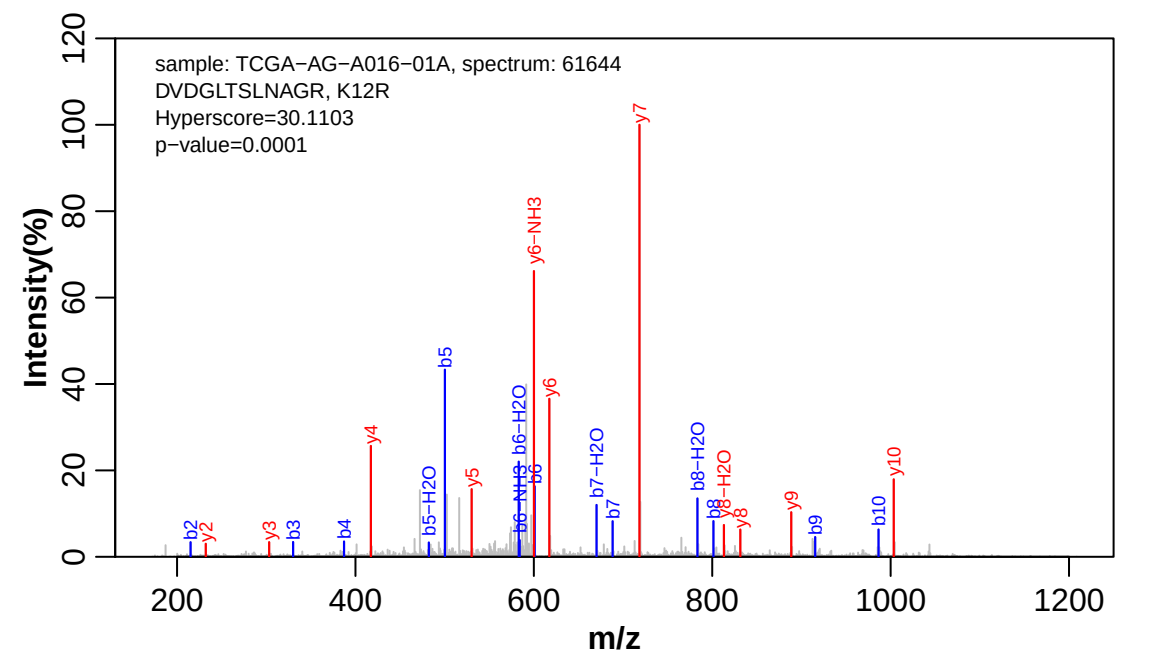

sample: TCGA−AG−A016−01A, spectrum: 57867
AVDVVLDCFLVK, A11V
Hyperscore=51.6961
p−value=0.0001
Intensity(%)
m/z
y2
b3
y3
b4
b5
y4
b6
y5−H2O
y5
b7
y6−NH3
y6
b7−H2O
y7
y8
b9
b10
y9
b10−NH3
b11
0
20
40
60
80
100
120
200
400
600
800
1000
1200

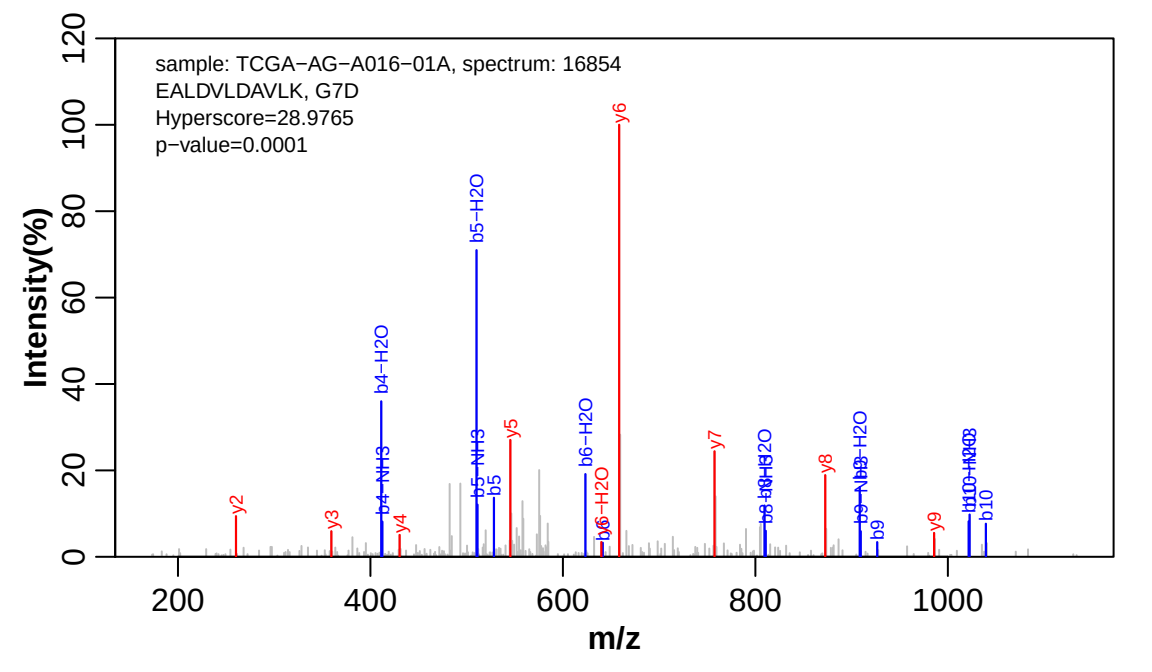

sample: TCGA−AG−A016−01A, spectrum: 2794
AWLSSQAAELER, V7A
Hyperscore=40.5715
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−H2O
b4
y4
y5
y6−NH3
y6
b7−H2O
b7
y8−H2O
y8
b9
y9−H2O
y9
b10
y10−H2O
y10
b11

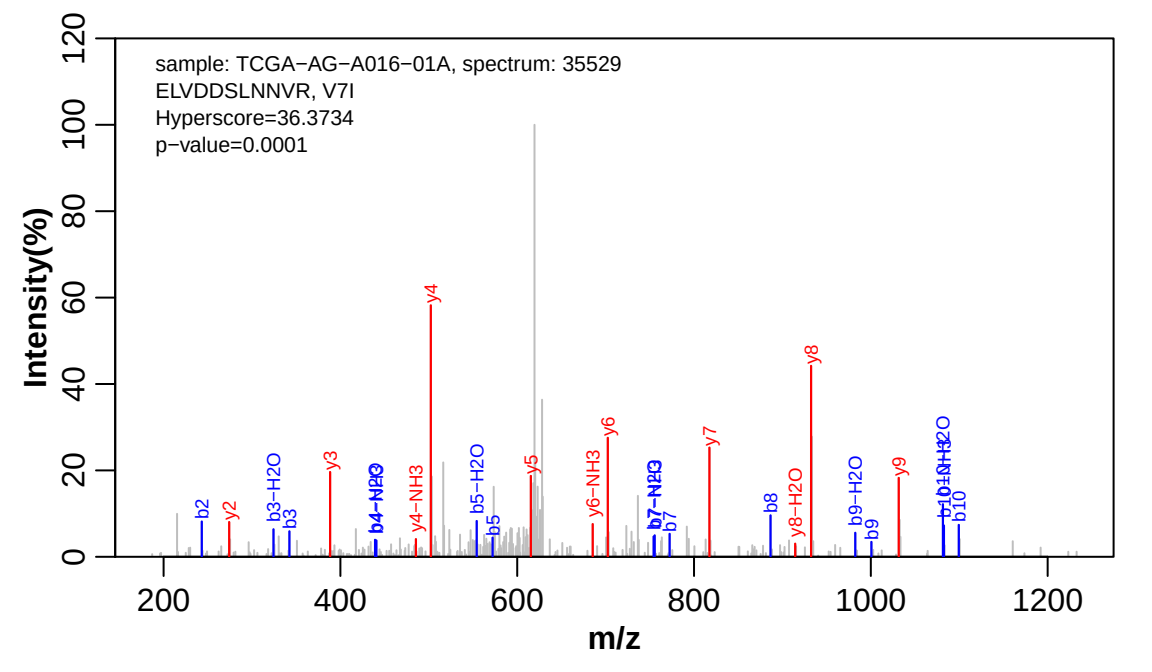

sample: TCGA−AG−A016−01A, spectrum: 58020
CDPGALVLPFSGALELK, Y1C
Hyperscore=24.0773
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b5
b6
b7
b8
y9
y10
y11
y12
y15

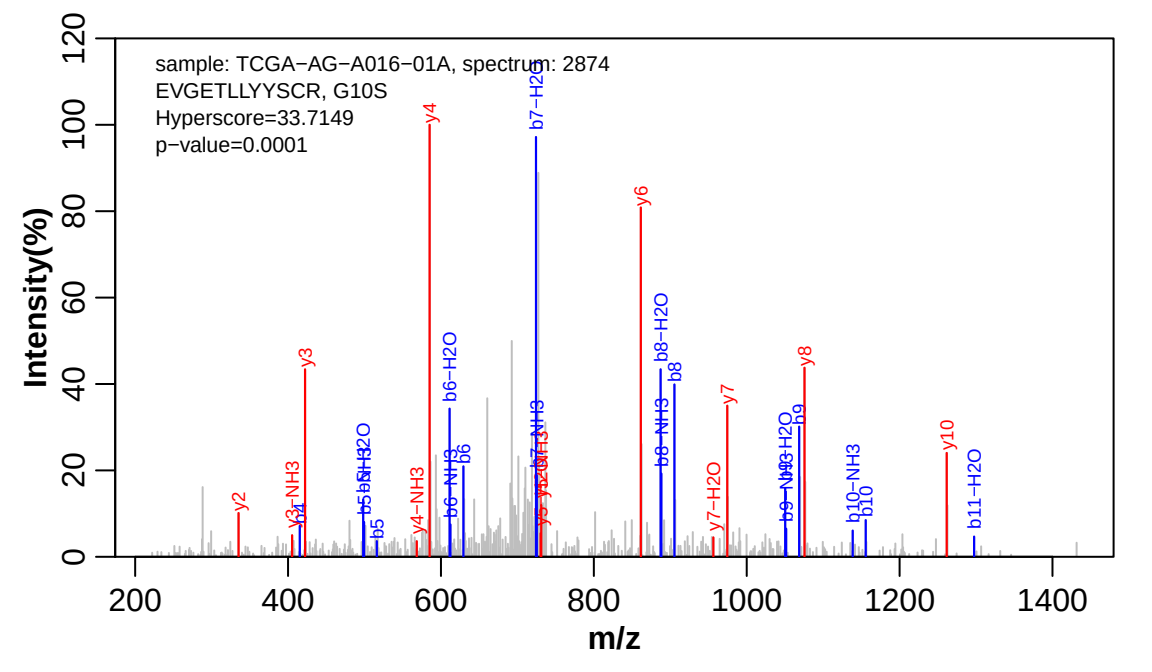

sample: TCGA−AG−A016−01A, spectrum: 79913
DGYGFLNR, N1D
Hyperscore=24.0268
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

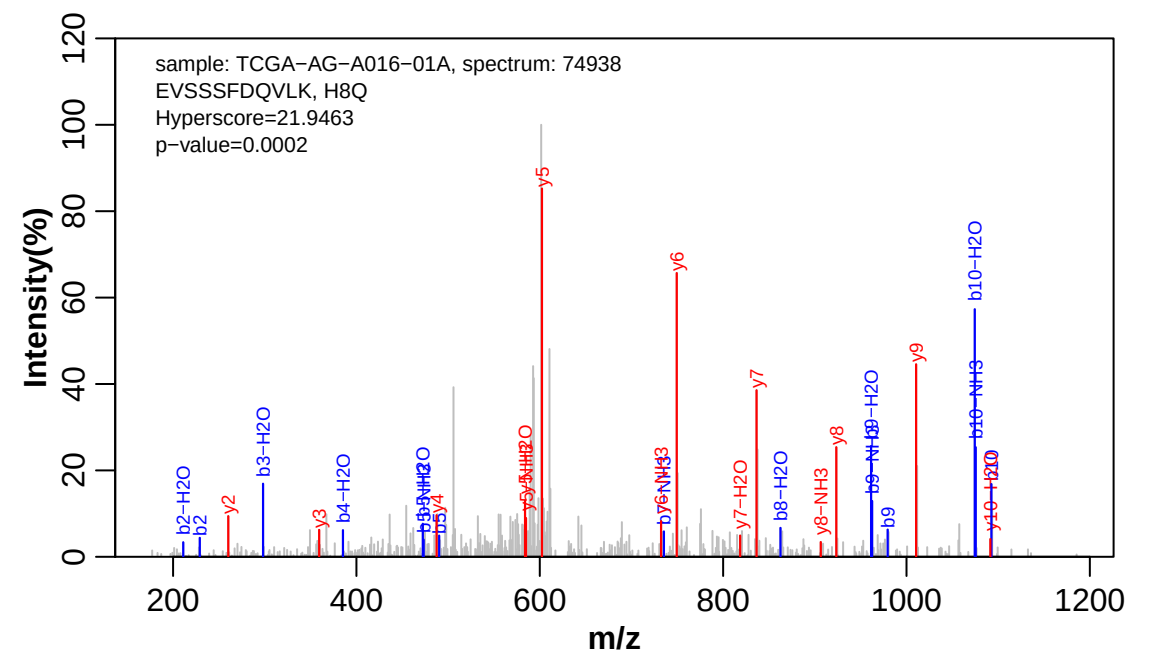

sample: TCGA−AG−A016−01A, spectrum: 21039
DTEEEDFHVDQATTVK, V12A
Hyperscore=22.3734
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
b4−H2O
b4
y9++
y10++
y11++
y12+++−H2O
y12++
b6−H2O
b6
b13++−NH3
y7
y13++
y14++−H2O
y14++

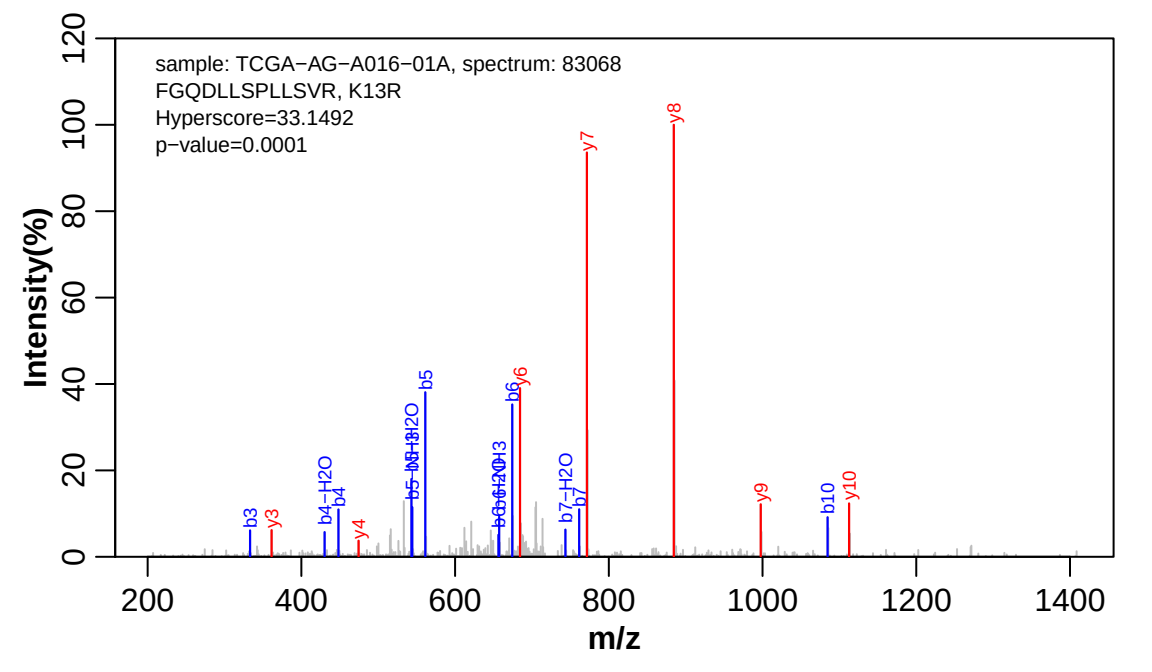

sample: TCGA−AG−A016−01A, spectrum: 61644
DVDGLTSLNAGR, K12R
Hyperscore=30.1103
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b3
b4
y4
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6−NH3
y6
b7−H2O
b7
y7
b8−H2O
b8
y8−H2O
y8
y9
b9
b10
y10

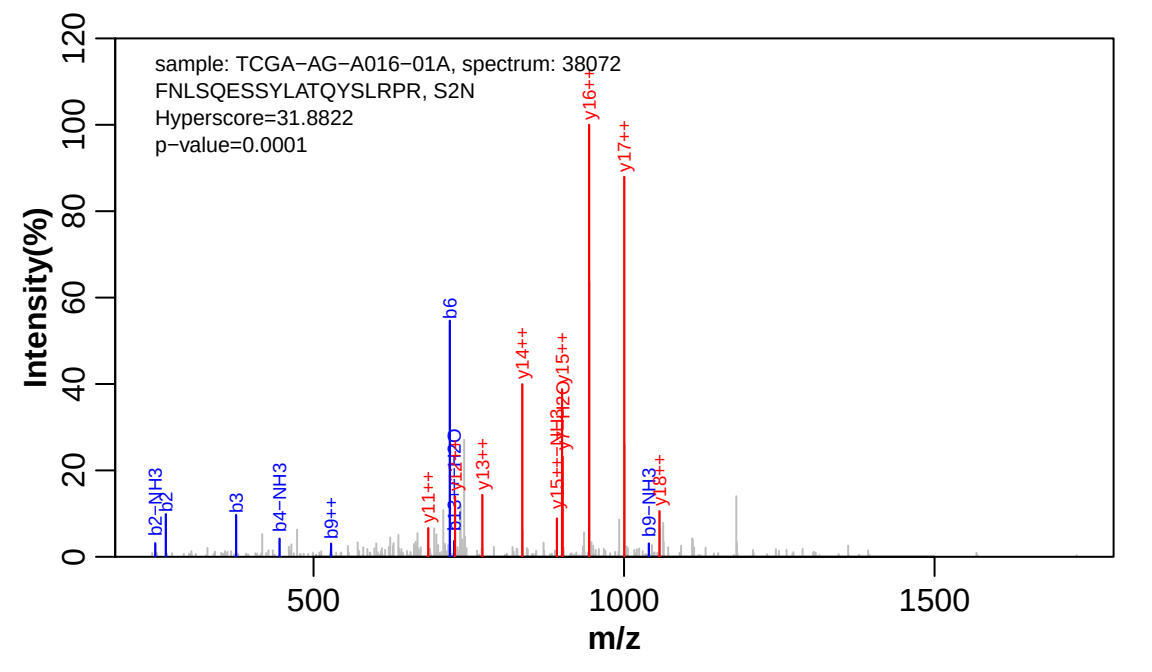

sample: TCGA−AG−A016−01A, spectrum: 16854
EALDVLDAVLK, G7D
Hyperscore=28.9765
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y2
y3
y4
y5
y6
y7
y8
y9
b4−H2O
b4−NH3
b5−H2O
b5−NH3
b5
b6−H2O
b6
b9
b10

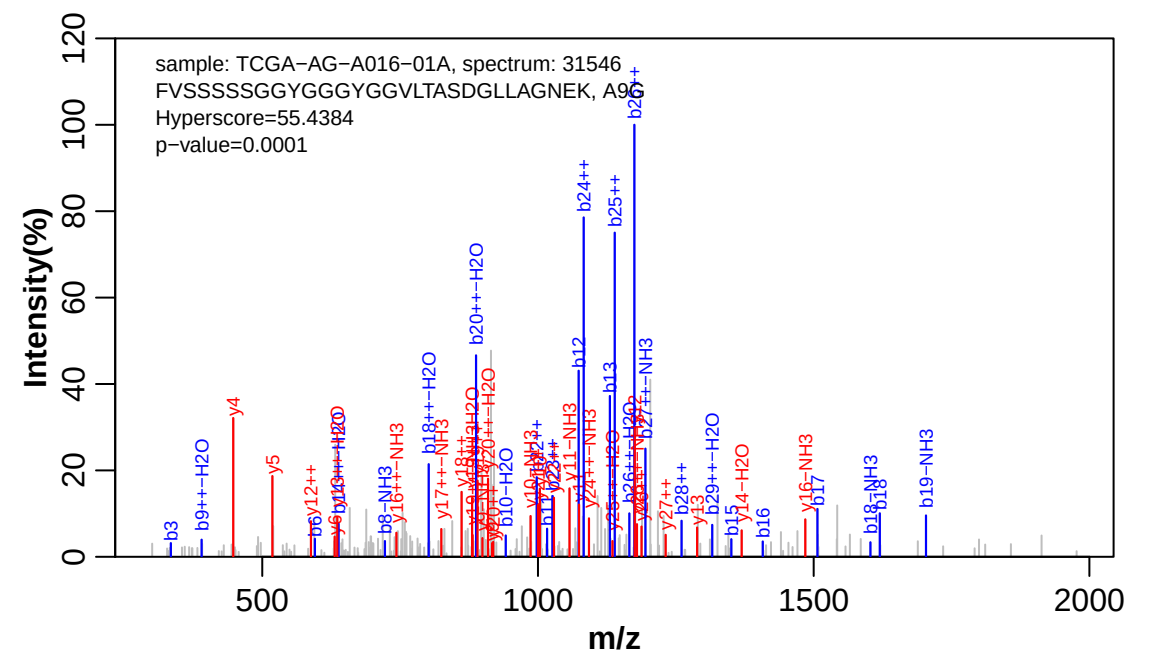

sample: TCGA−AG−A016−01A, spectrum: 35529
ELVDDSLNNVR, V7I
Hyperscore=36.3734
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
y4−NH3
y4
b5−H2O
b5
y5
y6−NH3
y6
y7
b8
y8−H2O
y8
b9−H2O
b9
y9
b10
b10−H2O

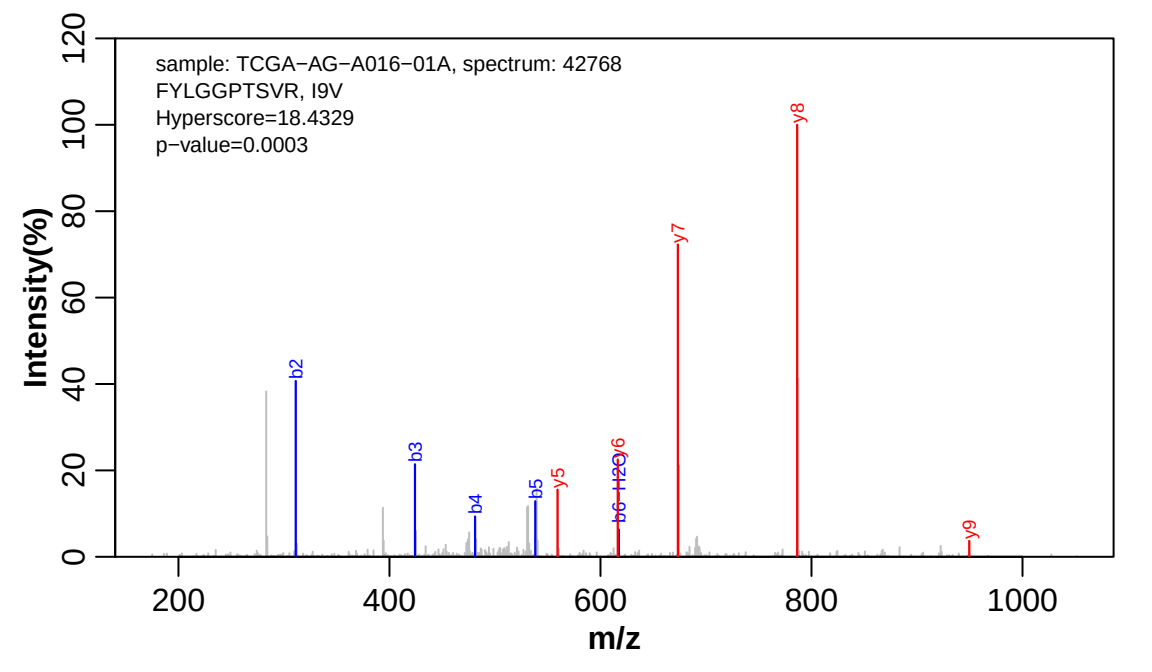

sample: TCGA−AG−A016−01A, spectrum: 2874
EVGETLLYYSCR, G10S
Hyperscore=33.7149
p−value=0.0001
Intensity(%)
m/z
y4
b7−H2O
y6
b8−H2O
b8
y3
b6−H2O
y8
y7
y10
b11−H2O
y2
y3−NH3
y4−NH3
b5
b6
b8−NH3
y7−H2O
b10−NH3
b10
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

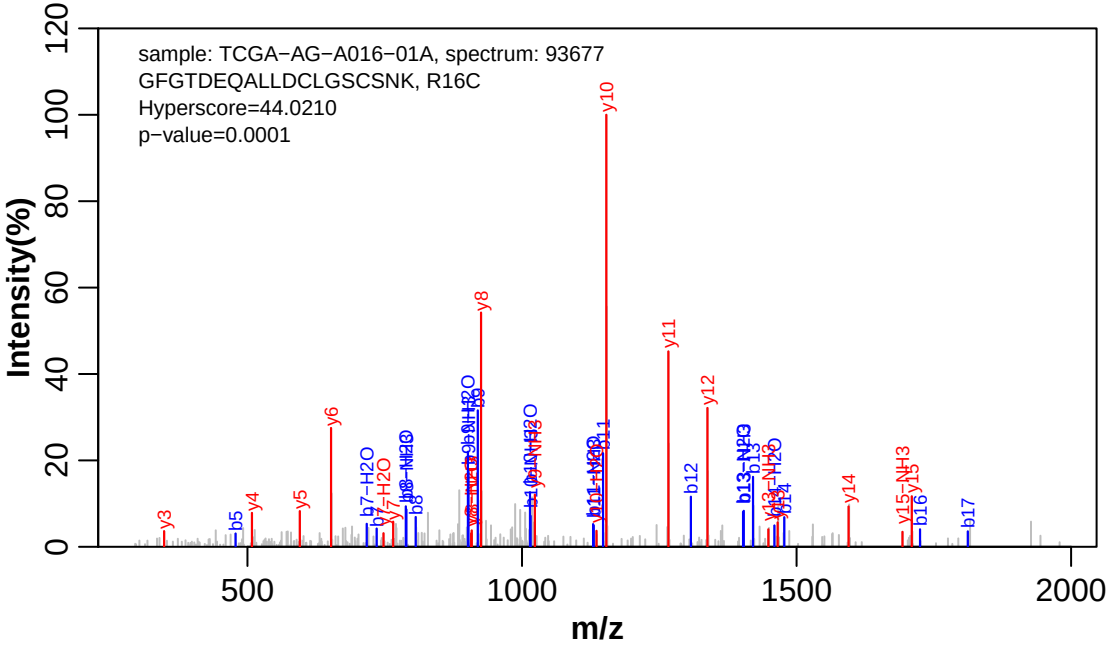

sample: TCGA−AG−A016−01A, spectrum: 74938
EVSSSFDQVLK, H8Q
Hyperscore=21.9463
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
y3
b4−H2O
y5
y6
y7
y8
y9
b10−H2O
b10−NH3
b8−H2O
b9−NH3
b9−H2O
b9
y7−H2O
y8−NH3

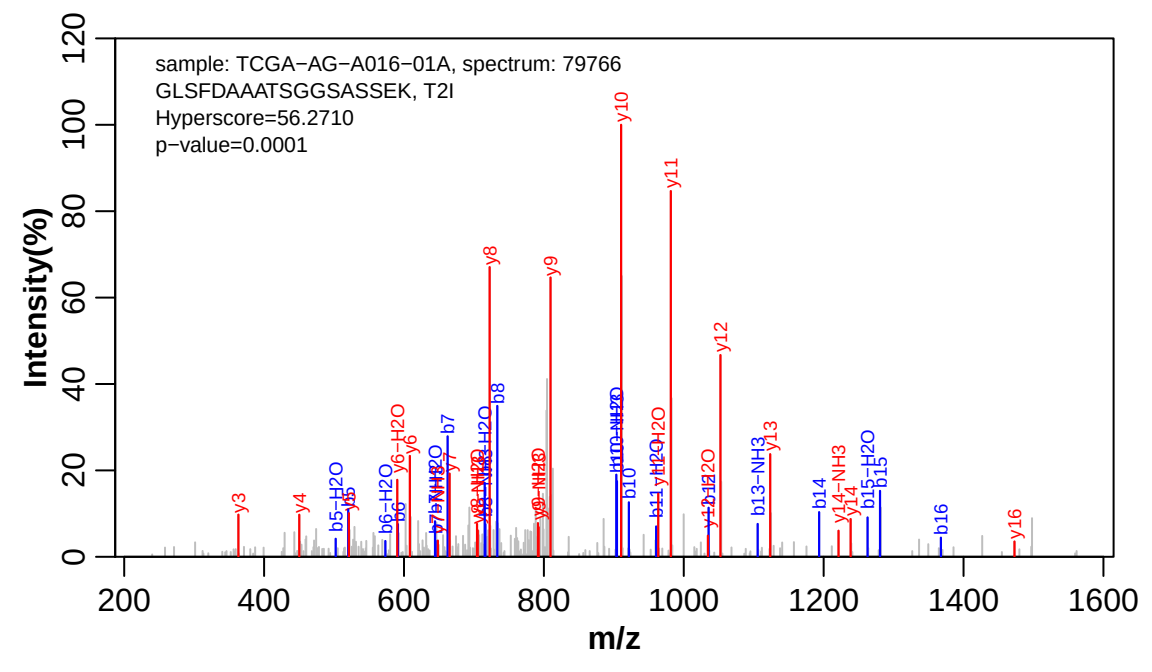

sample: TCGA−AG−A016−01A, spectrum: 83068
FGQDLLSPLLSVR, K13R
Hyperscore=33.1492
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
y4
b5
y6
b6
y7
y8
b7−H2O
b7
y9
b10
y10

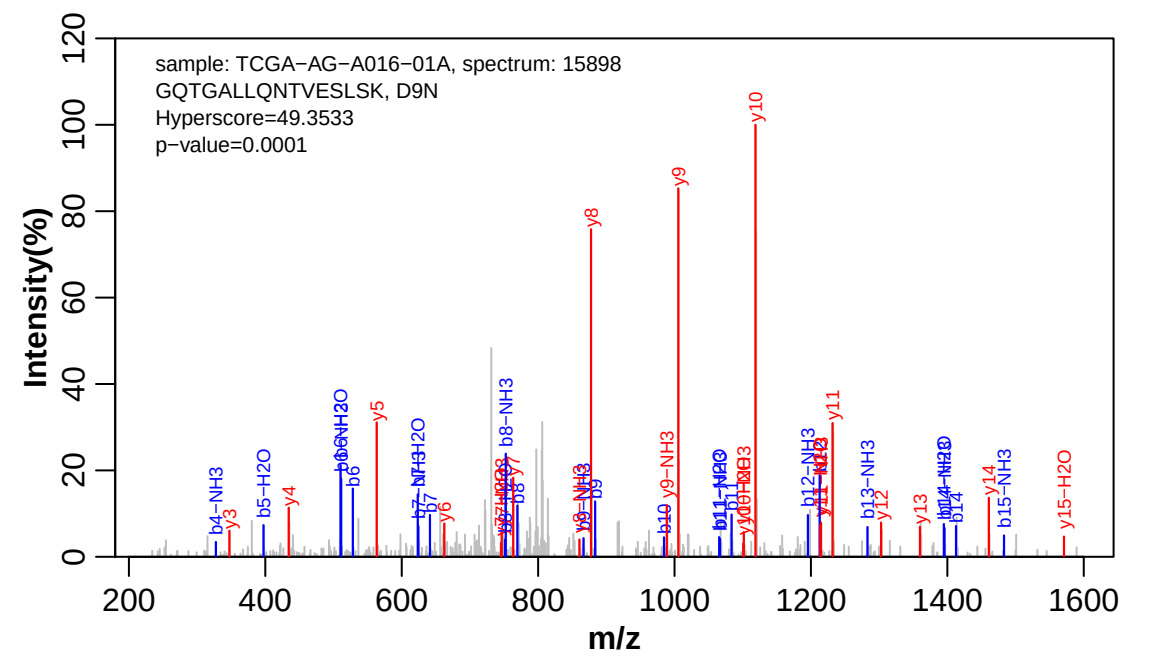

sample: TCGA−AG−A016−01A, spectrum: 38072
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=31.8822
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2−NH3
b2
b3
b4−NH3
b9++
y11++
b6
y13++
y14++
y15++
y16++
y17++
b9−NH3
y18++

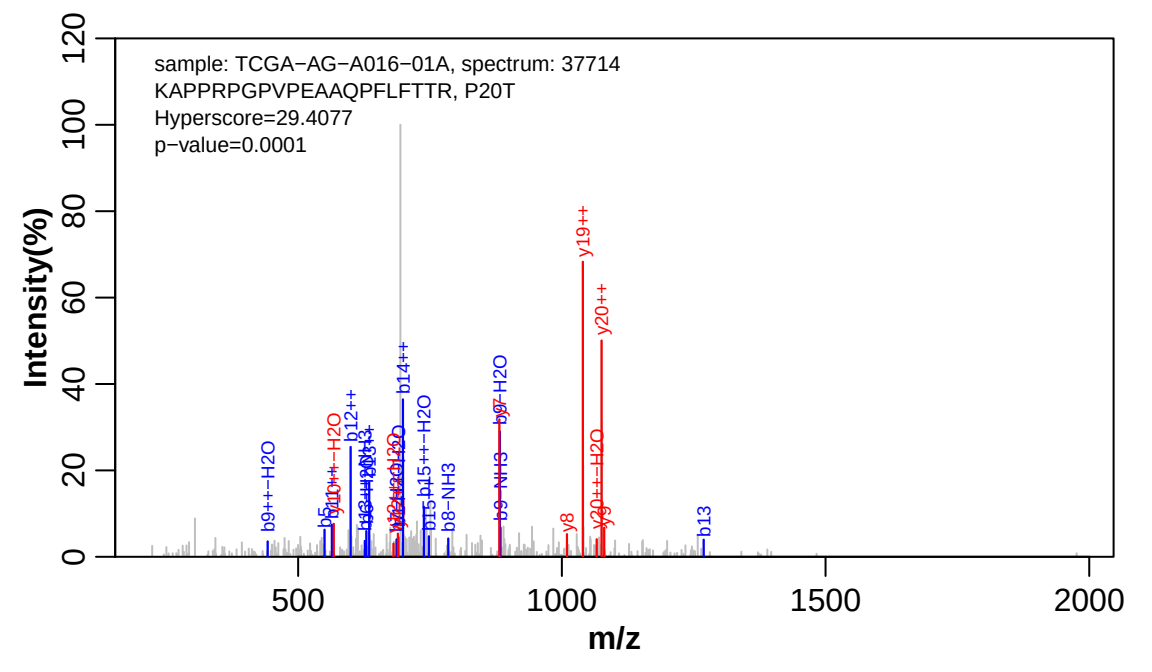

sample: TCGA−AG−A016−01A, spectrum: 31546
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=55.4384
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
b9++−H2O
y4
y5
b6
y12++
b8−NH3
y16++−NH3
b18++−H2O
y17++−NH3
b20++−H2O
b10−H2O
b12
y11−NH3
b24++
b25++
b13
b26++
y24++−NH3
b27++−NH3
y25++−H2O
y27++
b28++
y13
b29++−H2O
b15
y14−H2O
b16
y16−NH3
b17
b18−NH3
b19−NH3

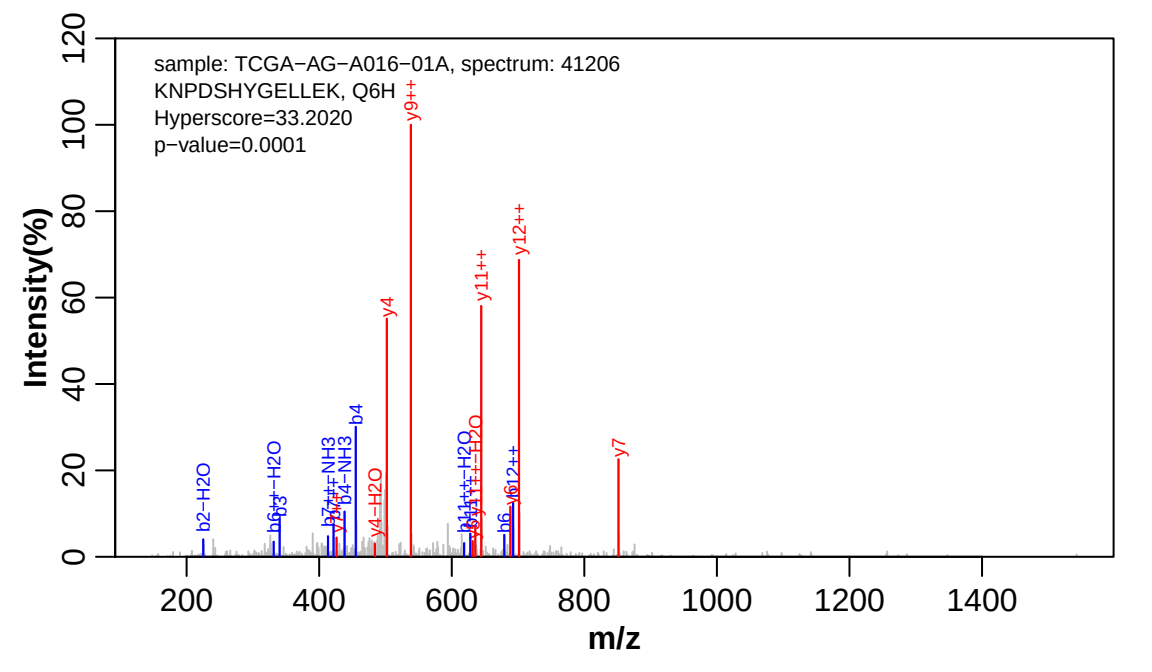

sample: TCGA−AG−A016−01A, spectrum: 42768
FYLGGPTSVR, I9V
Hyperscore=18.4329
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8
y9

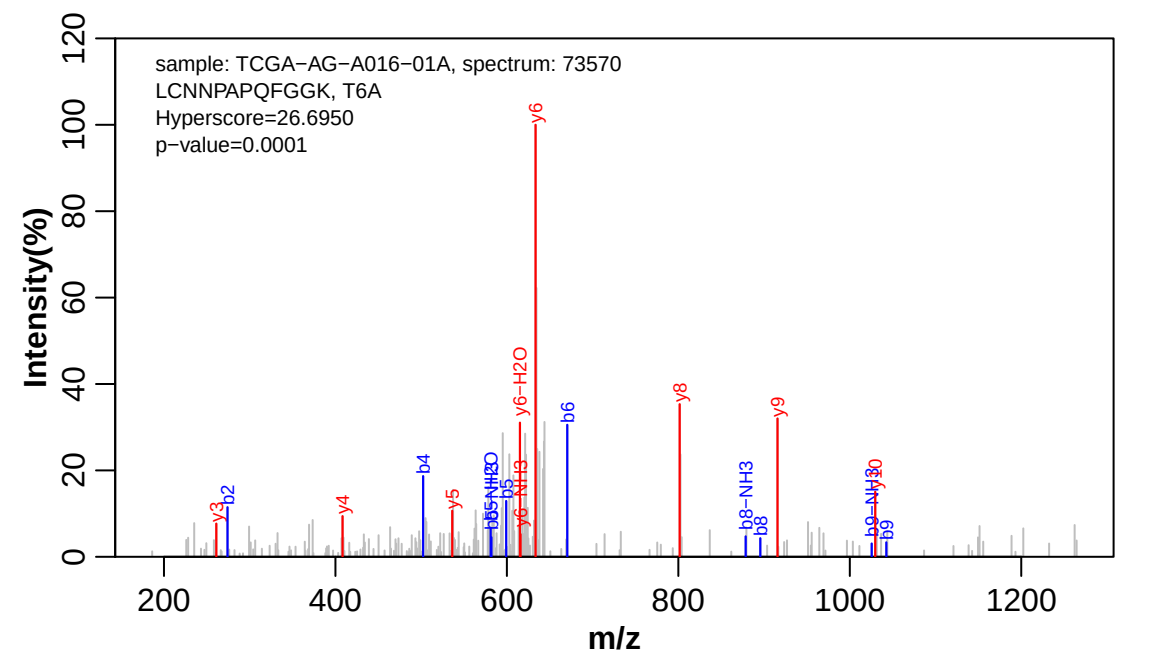

sample: TCGA−AG−A016−01A, spectrum: 93677
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=44.0210
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10
y8
y11
y12
y6
y14
y5
y4
y3
b5
b12
b17
b16
y15−NH3
y15
b7−H2O
y7−H2O

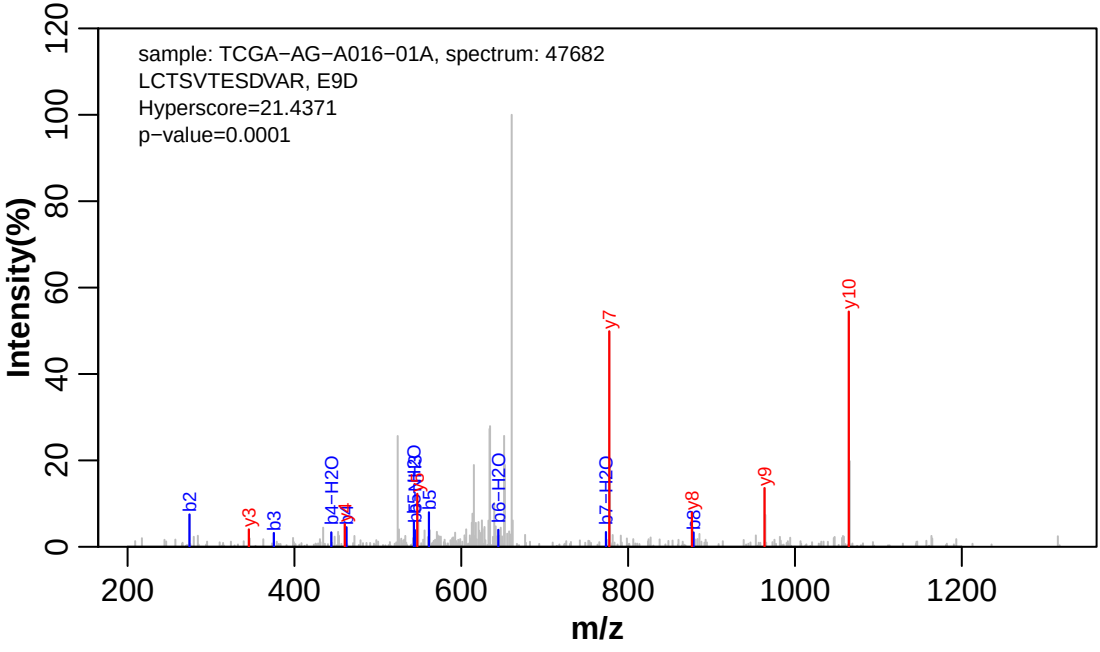

sample: TCGA−AG−A016−01A, spectrum: 79766
GLSFDAAATSGGSASSEK, T2I
Hyperscore=56.2710
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y11
y8
y9
y12
y13
y3
y4
y6
y14
y16
b8
b10
b14
b15
b16
b5−H2O
b6−H2O
y6−H2O
b7−NH3
b13−NH3
y14−NH3
b15−H2O

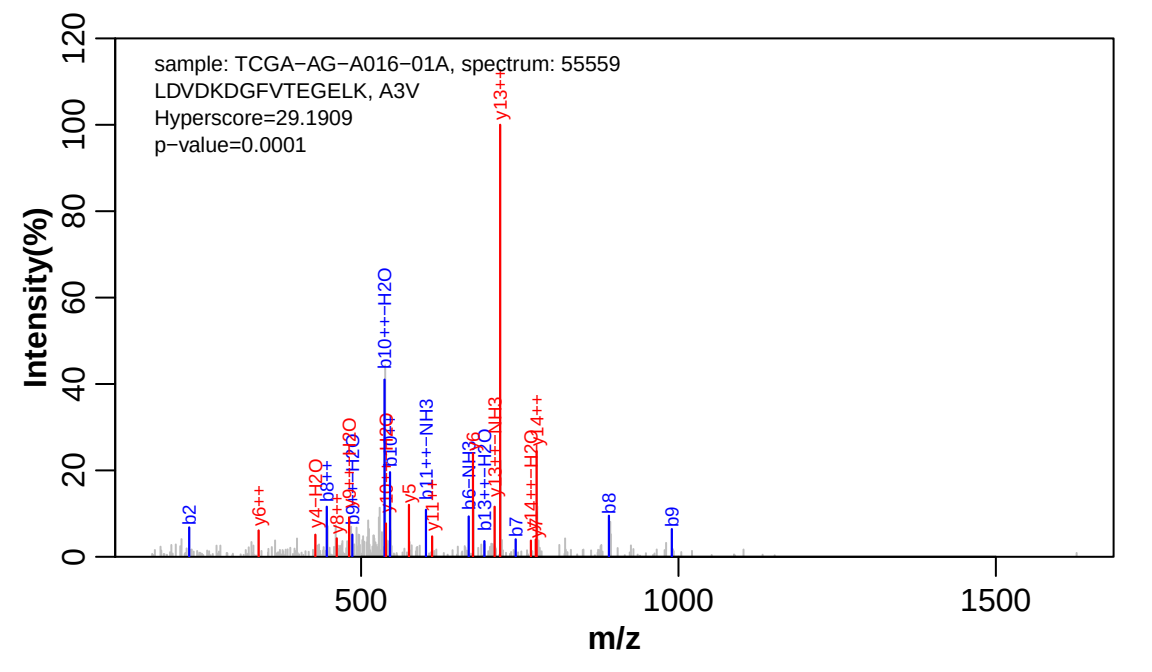

sample: TCGA−AG−A016−01A, spectrum: 15898
GQTGALLQNTVESLSK, D9N
Hyperscore=49.3533
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b4−NH3
y3
b5−H2O
y4
b6
y5
b7
y6
b8−NH3
b9
y8
y9
y9−NH3
b10
y10
b12−NH3
y11
b13−NH3
y12
y13
b14
y14
b15−NH3
y15−H2O

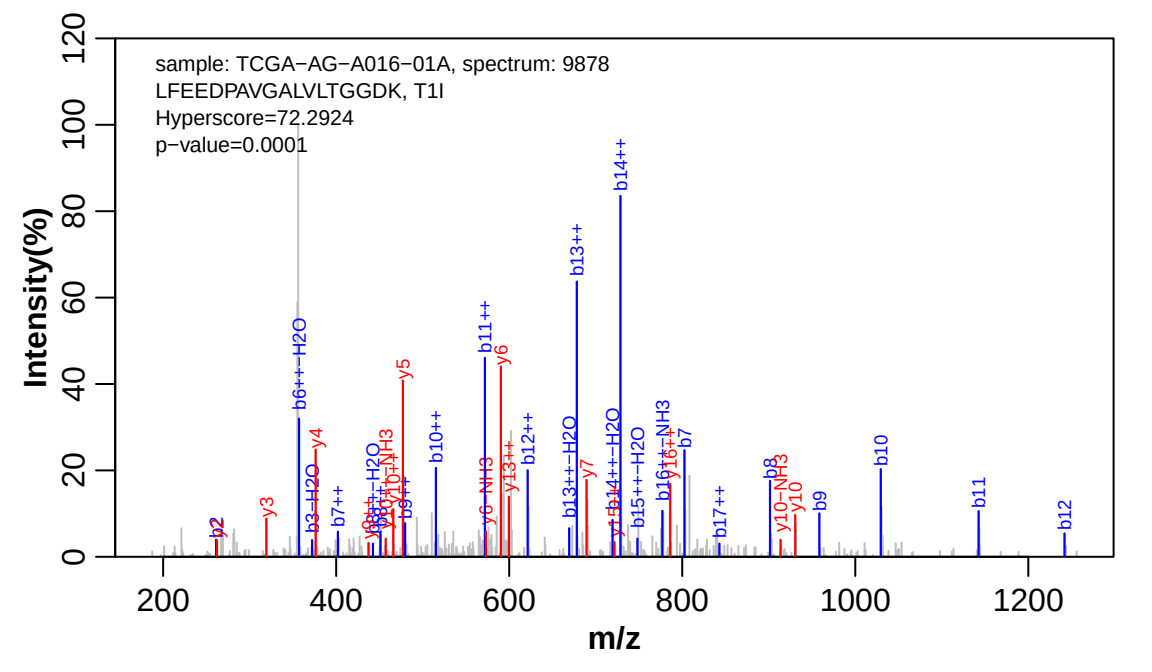

sample: TCGA−AG−A016−01A, spectrum: 37714
KAPPRPGPVPEAAQPFLFTTR, P20T
Hyperscore=29.4077
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y19++
y20++
b14++
b7−H2O
b9++−H2O
b12++
y10++−H2O
b15++−H2O
b8−NH3
b9−NH3
y20++−H2O
y8
b13

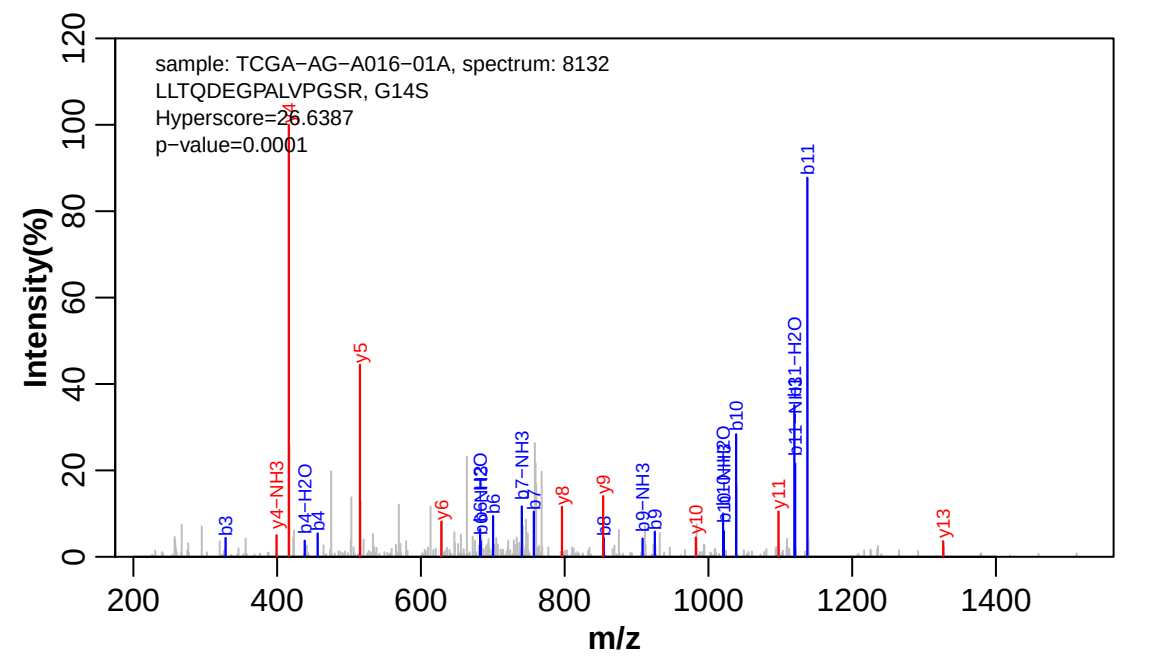

sample: TCGA−AG−A016−01A, spectrum: 41206
KNPDSHYGELLEK, Q6H
Hyperscore=33.2020
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y9++
y12++
y11++
y4
y7
b4
b2−H2O
b3−H2O
y4−H2O
y11++−H2O
y12++
b4−NH3
y7++
b3
b6
y6
b11++−H2O

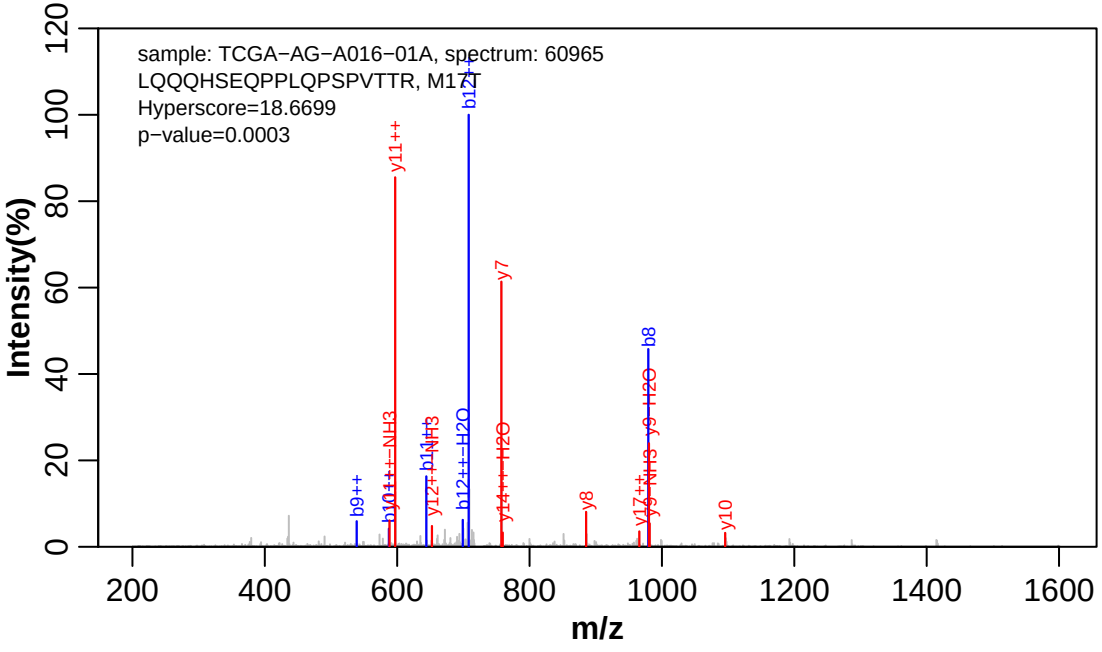

sample: TCGA−AG−A016−01A, spectrum: 73570
LCNNPAPQFGGK, T6A
Hyperscore=26.6950
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y6−H2O
y8
y9
b6
b4
y5
y4
y3
b2
b5−NH3
b5
y6−NH3
b8−NH3
b8
b9−NH3
b9
y10

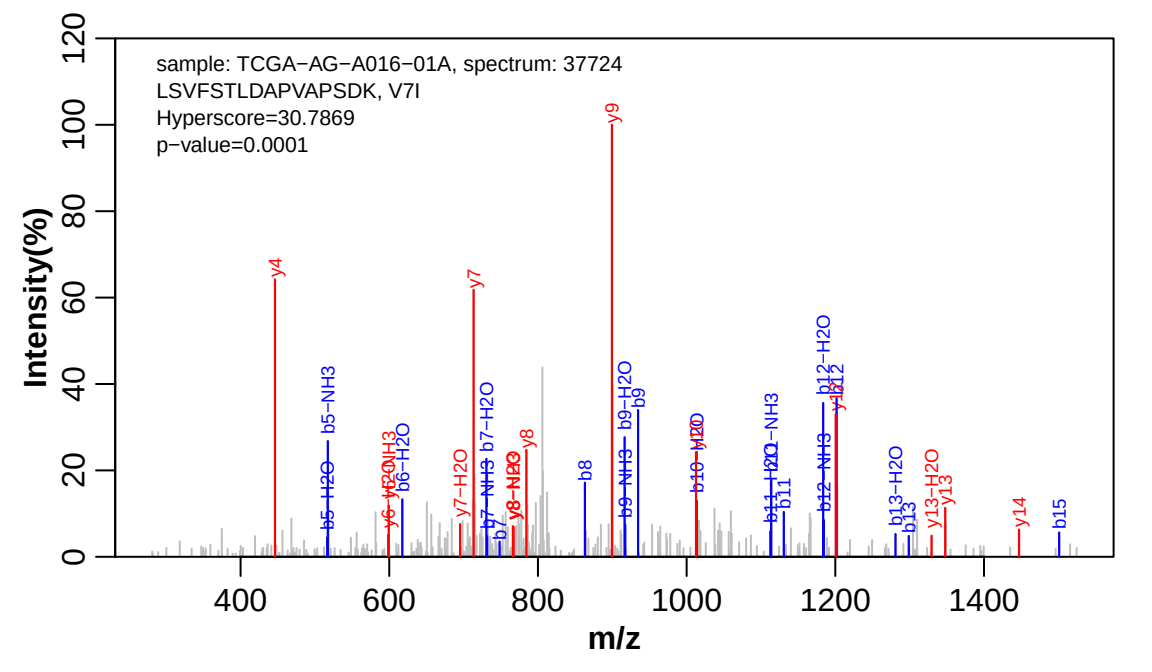

sample: TCGA−AG−A016−01A, spectrum: 47682
LCTSVTESDVAR, E9D
Hyperscore=21.4371
p−value=0.0001
Intensity(%)
m/z
b2
y3
b3
b4−H2O
b4
b5−NH3
b5−H2O
y6
b5
b6−H2O
y7
b7−H2O
b8
y8
y9
y10

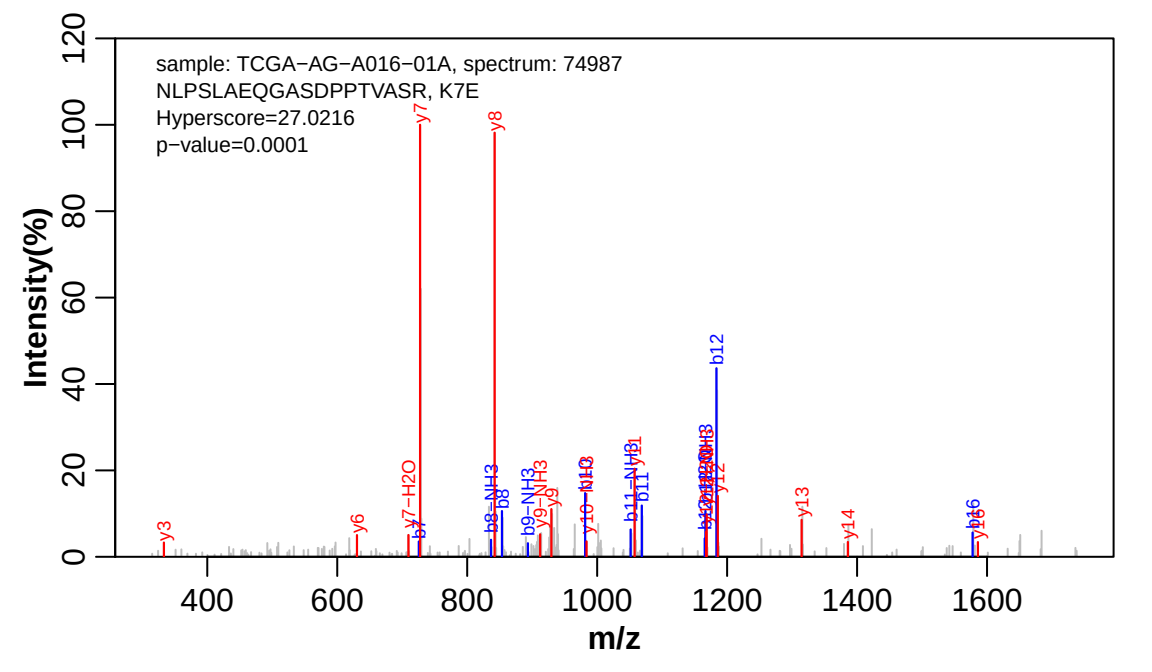

sample: TCGA−AG−A016−01A, spectrum: 55559
LDVDKDGFVTEGELK, A3V
Hyperscore=29.1909
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y6++
y4−H2O
b8++
y8++−H2O
b9++−H2O
y10++−H2O
b10++−H2O
y5
y11
b11++−NH3
b6−NH3
b6−H2O
y13++−NH3
b13++−H2O
y13++
b7
y14++−H2O
y14++
b8
b9

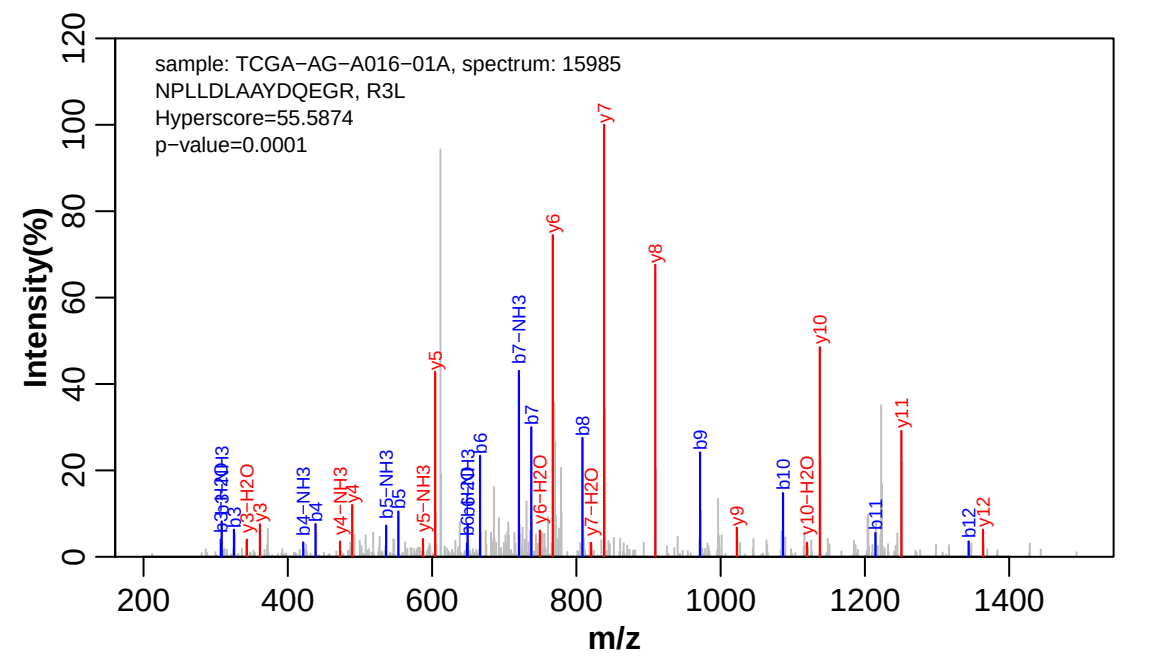

sample: TCGA−AG−A016−01A, spectrum: 9878
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=72.2924
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
b3−H2O
y4
b6++−H2O
b7++
y5
b9++
b10++
y6−NH3
b11++
y6
y13++
b12++
b13++−H2O
y7
b13++
b14++−H2O
b15++−H2O
b16++−NH3
b7
b14++
b17++
b8
y10−NH3
y10
b9
b10
b11
b12

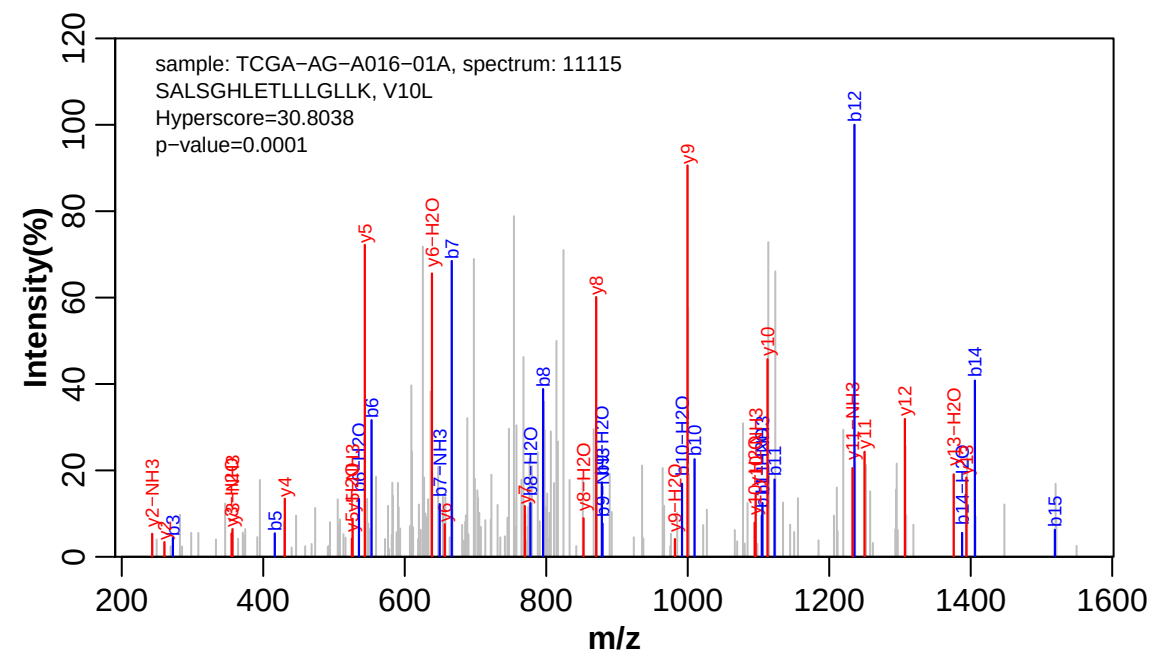

sample: TCGA−AG−A016−01A, spectrum: 8132
LLTQDEGPALVPGSR, G14S
Hyperscore=26.6387
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y4−NH3
y4
b4−H2O
b4
y5
y6
b6−NH3
b6−H2O
b6
b7−NH3
b7
y8
y9
b8
b9−NH3
b9
y10
b10−NH3
b10−H2O
b10
y11
b11−NH3
b11−H2O
b11
y13

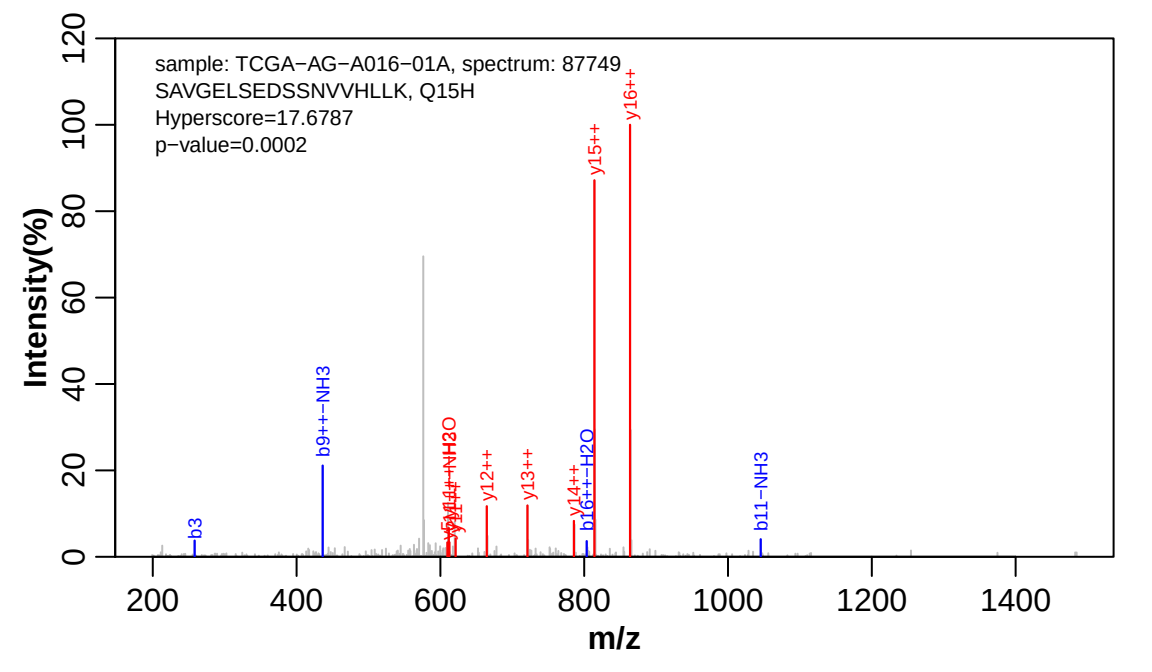

sample: TCGA−AG−A016−01A, spectrum: 60965
LQQQHSEQPPLQPSPVTTR, M17T
Hyperscore=18.6699
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b9++
b10++−NH3
y11++
y12++−NH3
b12++−H2O
b12++
y14++−H2O
y7
y8
y7++
y9−NH3
y9−H2O
b8
y10

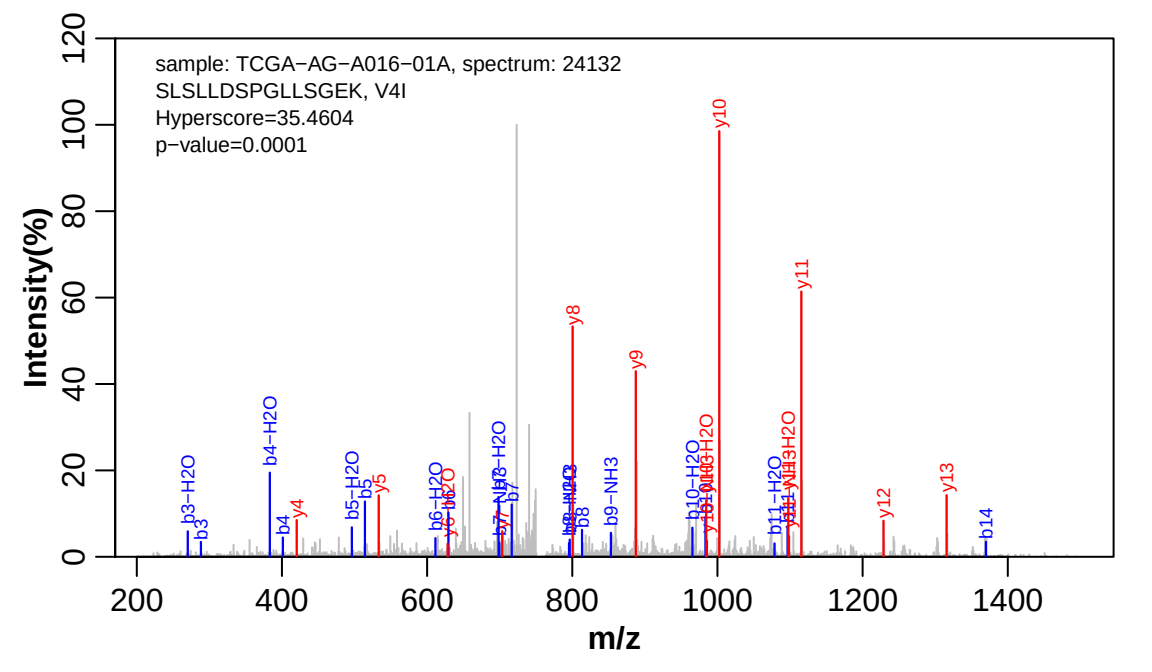

sample: TCGA−AG−A016−01A, spectrum: 37724
LSVFSTLDAPVAPSDK, V7I
Hyperscore=30.7869
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
y4
y7
y9
y8
y14
y13
y13−H2O
b5−NH3
b5−H2O
b6−H2O
y7−H2O
b7−NH3
b7−H2O
b8
b9−H2O
b9
b9−NH3
b10
b11−NH3
b11
b12−H2O
b12−NH3
b13−H2O
b13
b15

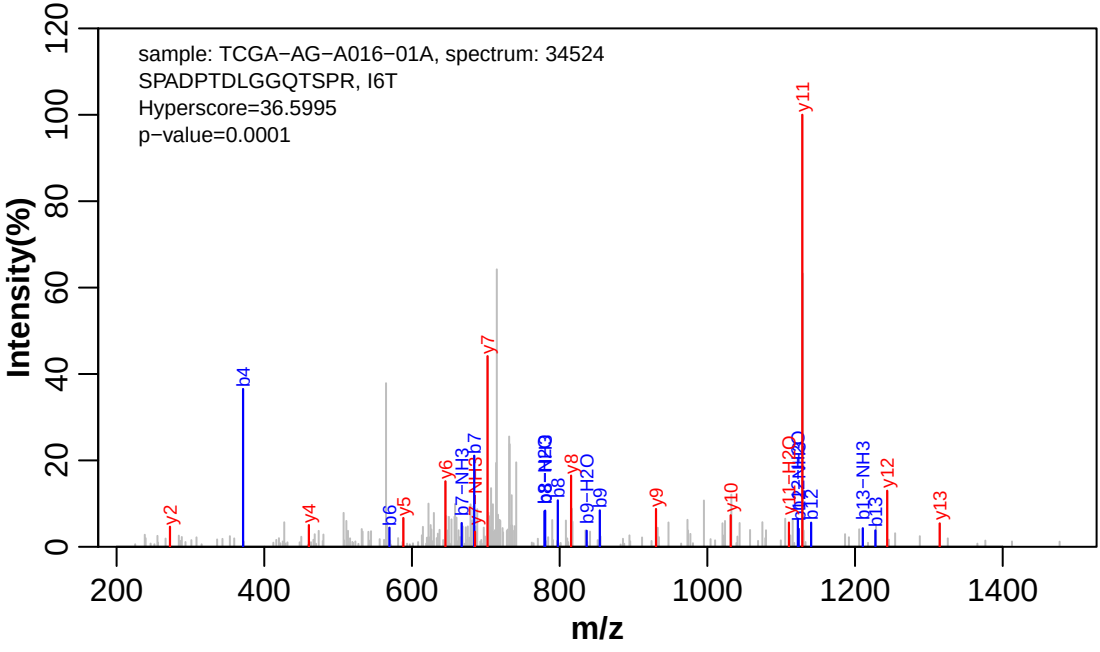

sample: TCGA−AG−A016−01A, spectrum: 74987
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=27.0216
p−value=0.0001
Intensity(%)
m/z
y7
y8
y7−H2O
b7
y6
y3
b8
b8−NH3
b9−NH3
y9
y9−NH3
y10
b10
b11
b11−NH3
y11
b12
y12
y13
y14
y16
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600

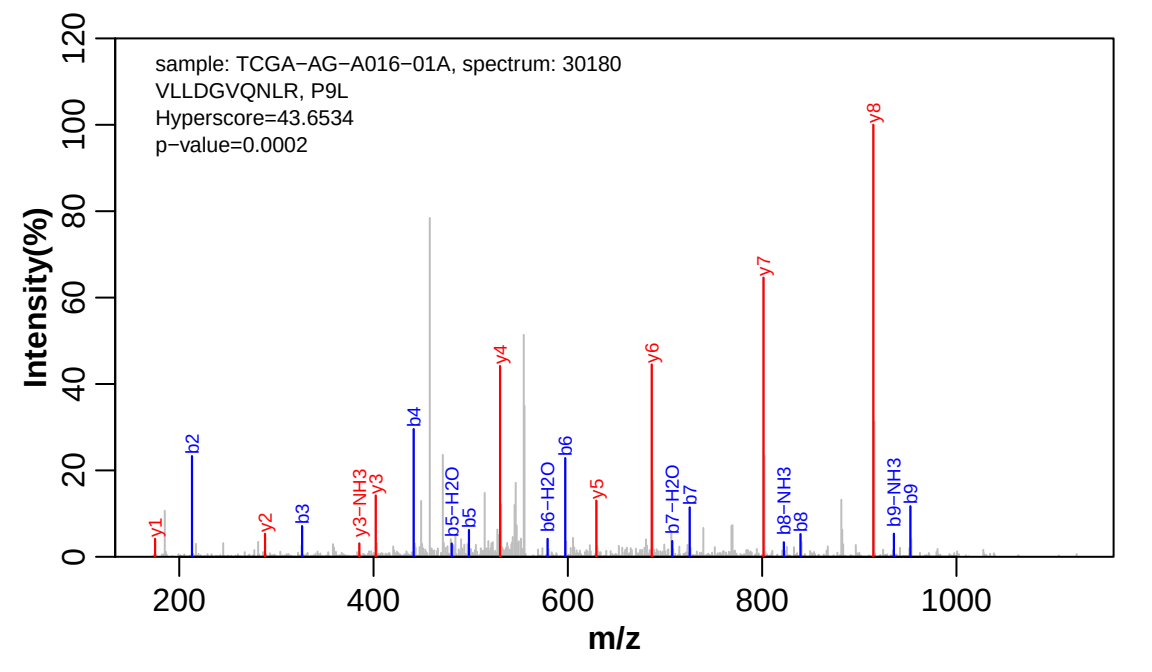

sample: TCGA−AG−A016−01A, spectrum: 15985
NPLLDLAAYDQEGR, R3L
Hyperscore=55.5874
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y6
y8
y10
y11
y5
b7−NH3
b7
b8
b9
b10
b11
b12
y12
y9
y10−H2O
y7−H2O
y6−H2O
y5−NH3
y4−NH3
b5−NH3
b4−NH3
b6
y4
y3
y3−H2O
b3
b5

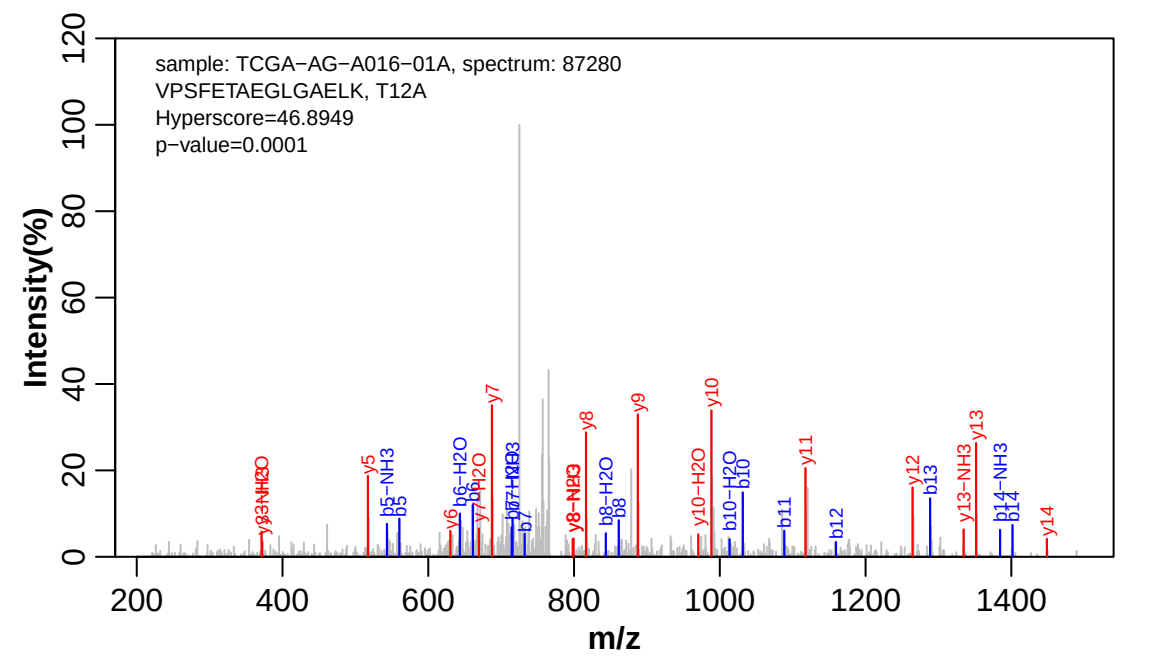

sample: TCGA−AG−A016−01A, spectrum: 11115
SALSGHLETLLLGLLK, V10L
Hyperscore=30.8038
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2−NH3
b3
y4
b5
y5
y5−H2O
y5−NH3
b6
y6−H2O
y6
b7−NH3
b7
y8
b8
y8−H2O
y8−NH3
y9−H2O
b10
y10
y10−H2O
y10−NH3
b11
y11−NH3
y11
y12
b12
y13−H2O
b14
b15

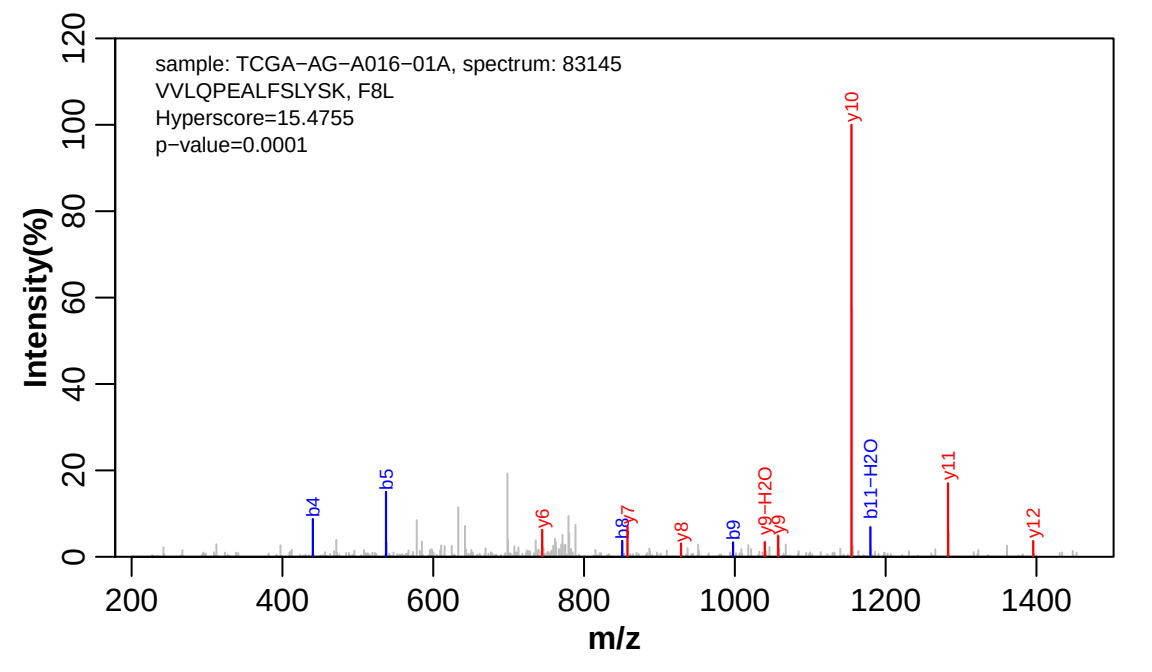

sample: TCGA−AG−A016−01A, spectrum: 87749
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.6787
p−value=0.0002
Intensity(%)
m/z
b3
b9++−NH3
y12++
y13++
y14++
b16++−H2O
y15++
y16++
b11−NH3

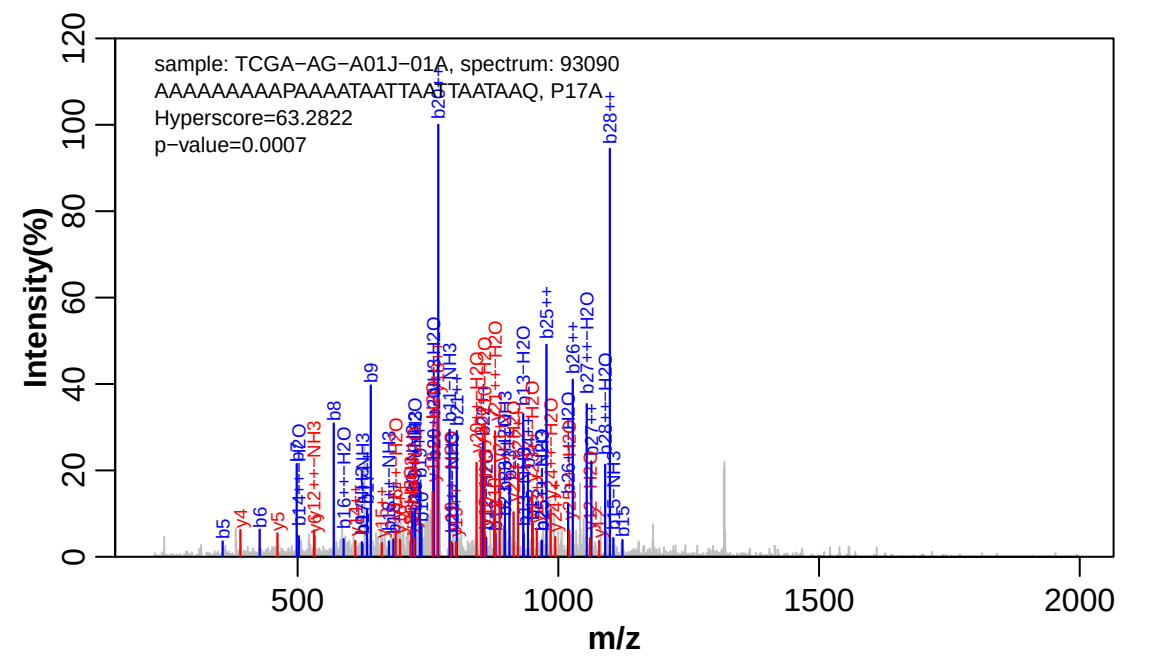

sample: TCGA−AG−A016−01A, spectrum: 24132
SLSLLDSPGLLSGEK, V4I
Hyperscore=35.4604
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
b7−NH3−H2O
b7
b8
b9−NH3
y8
y9
y10
b10−H2O
y11
b11−H2O
y12
y13
b14

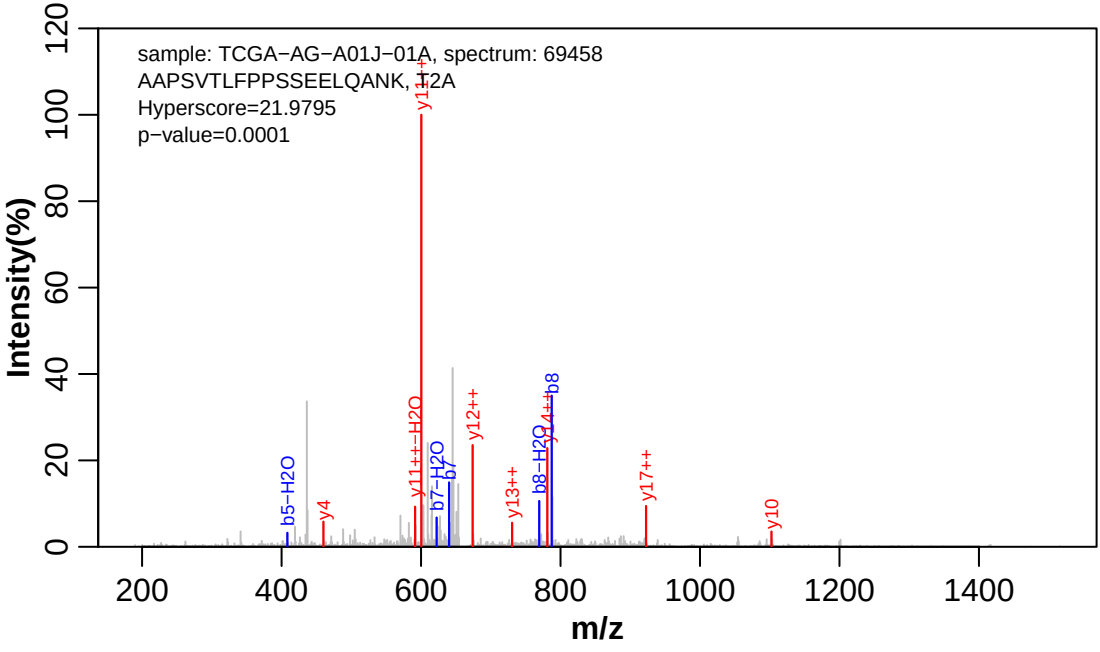

sample: TCGA−AG−A016−01A, spectrum: 34524
SPADPTDLGGQTSPR, I6T
Hyperscore=36.5995
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4
y4
b6
y5
y6
b7−NH3
b7
y7
b8−NH3
b8
y8
b9−H2O
b9
y9
y10
y11−H2O
y11
b12
b13−NH3
b13
y12
y13

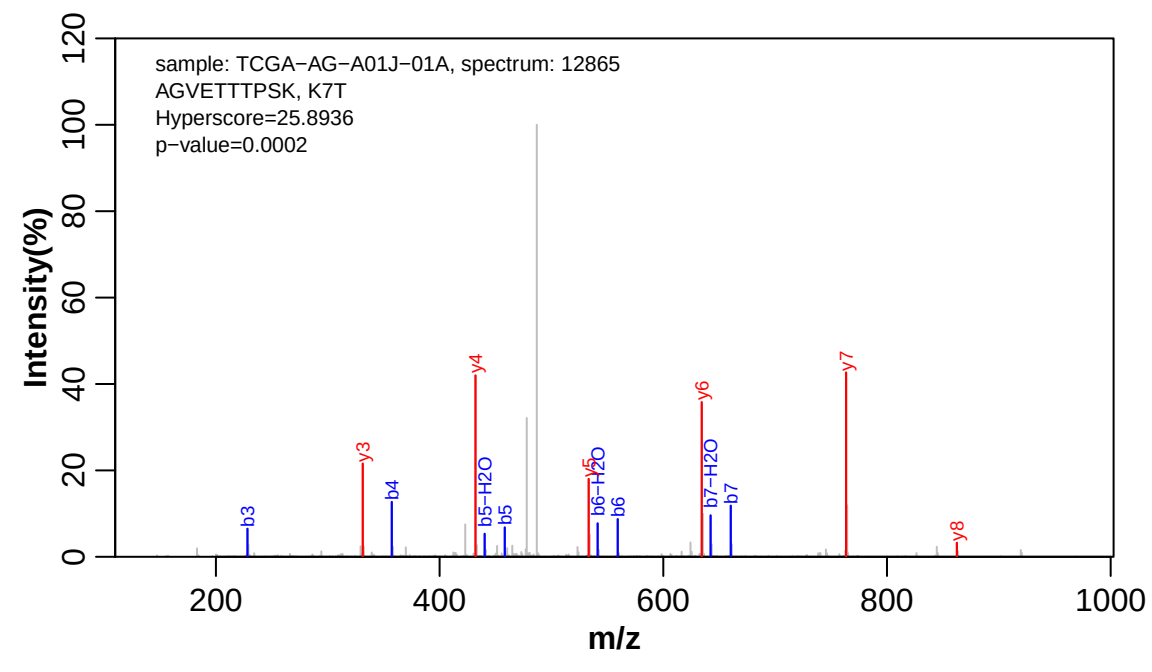

sample: TCGA−AG−A016−01A, spectrum: 30180
VLLDGVQNLR, P9L
Hyperscore=43.6534
p−value=0.0002
Intensity(%)
m/z
y1
b2
y2
b3
y3−NH3
y3
b4
b5−H2O
b5
y4
b6−H2O
b6
y5
y6
b7−H2O
b7
y7
b8−NH3
b8
y8
b9−NH3
b9

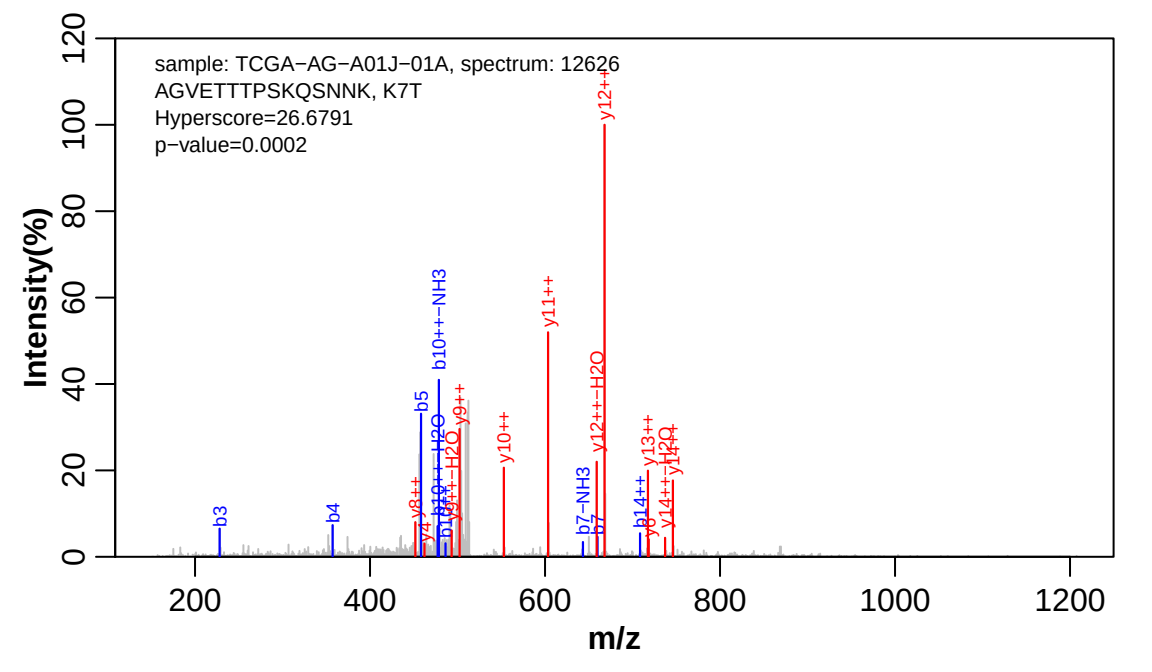

sample: TCGA−AG−A016−01A, spectrum: 87280
VPSFETAEGLGAELK, T12A
Hyperscore=46.8949
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
b5−NH3
b5
y6
b6−H2O
b6
y7
y7−H2O
b7
y8
y8−NH3
b8−H2O
b8
y9
y10
y10−H2O
b10−H2O
b10
y11
b11
b12
y12
b13
y13
y13−NH3
b14−NH3
b14
y14

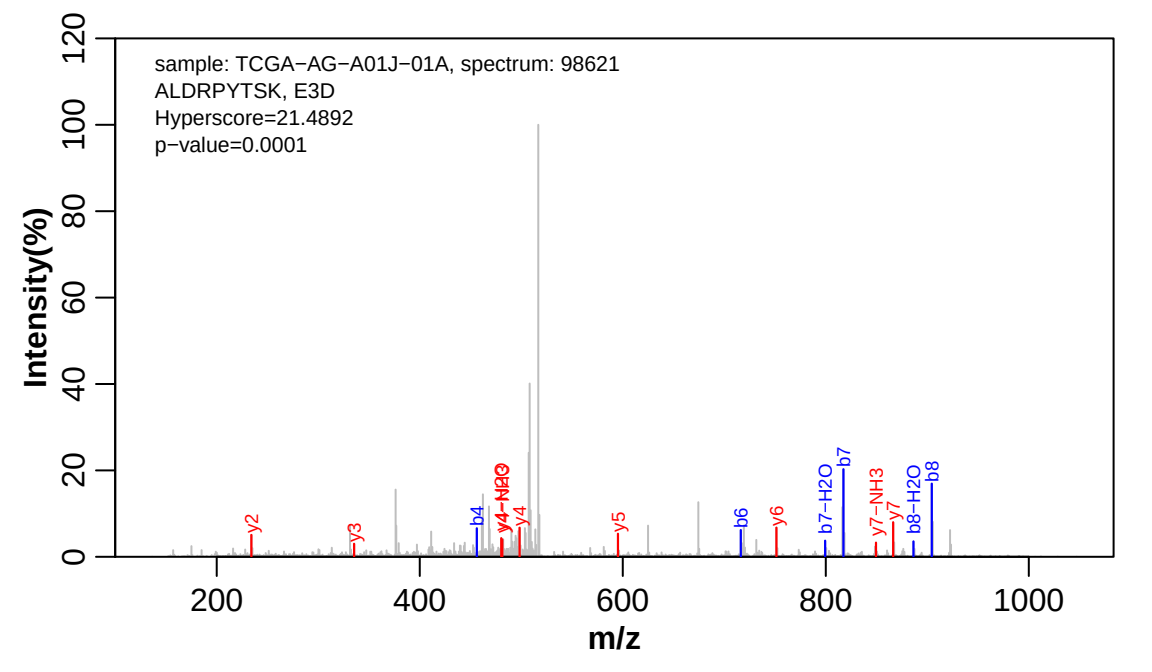

sample: TCGA−AG−A016−01A, spectrum: 83145
VVLQPEALFSLYSK, F8L
Hyperscore=15.4755
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b4
b5
y6
b8
y7
y8
b9
y9−H2O
y9
b11−H2O
y10
y11
y12

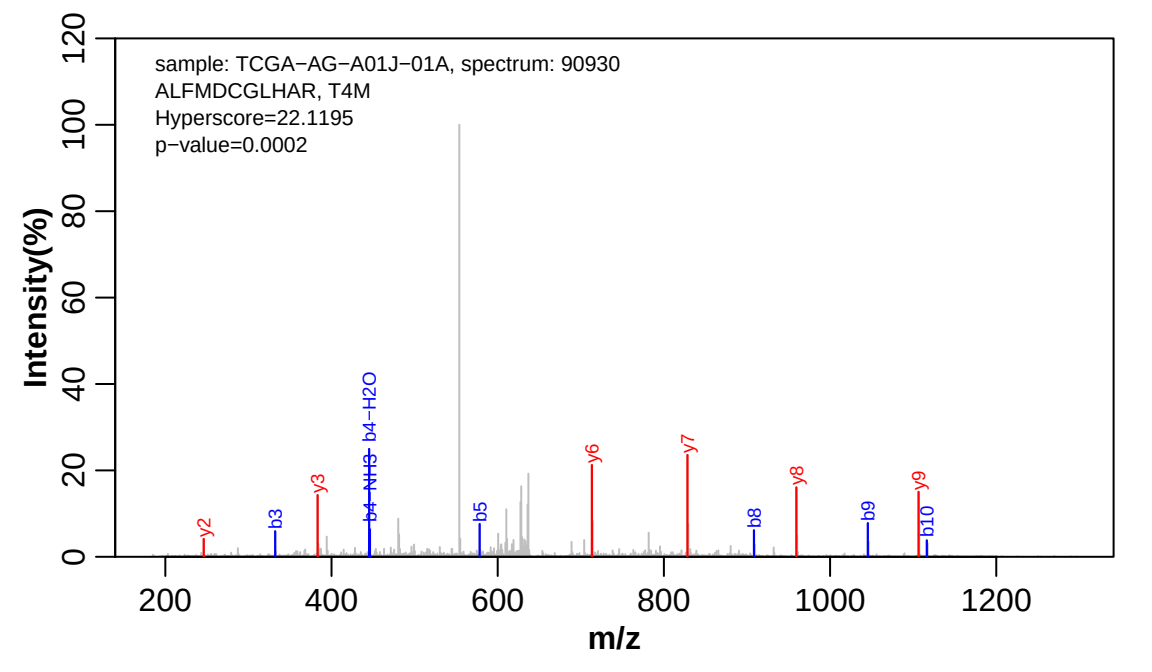

sample: TCGA−AG−A01J−01A, spectrum: 93090
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=63.2822
p−value=0.0007
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b28++
b25++
b9
b8
y4
b6
y5
b5

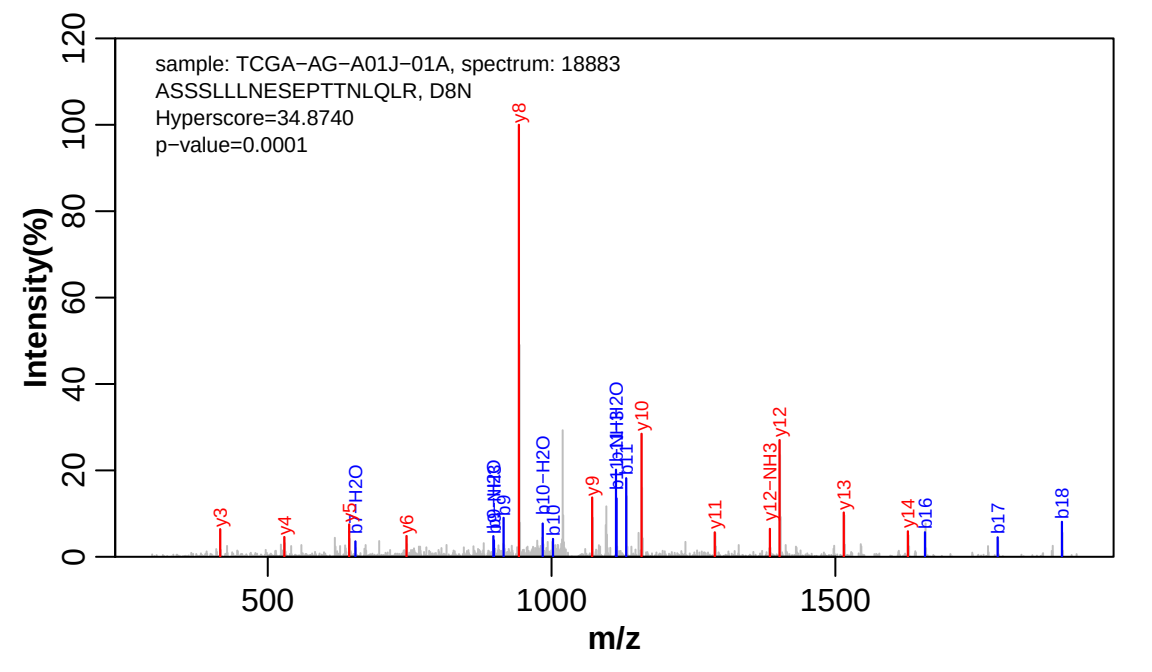

sample: TCGA−AG−A01J−01A, spectrum: 69458
AAPSVTLFPPSSEELQANK, 1-2A
Hyperscore=21.9795
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b5−H2O
y4
y11++−H2O
y11++
b7−H2O
b7
y12++
y13++
b8−H2O
y14++b8
y17++
y10

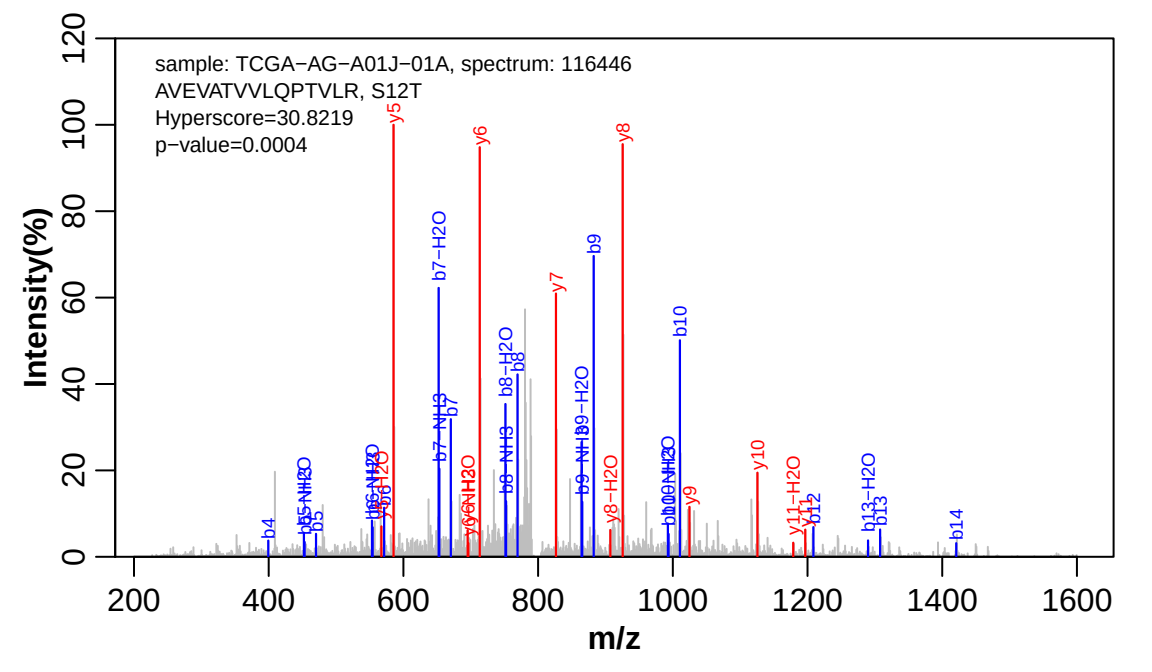

sample: TCGA−AG−A01J−01A, spectrum: 12865
AGVETTTPSK, K7T
Hyperscore=25.8936
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8

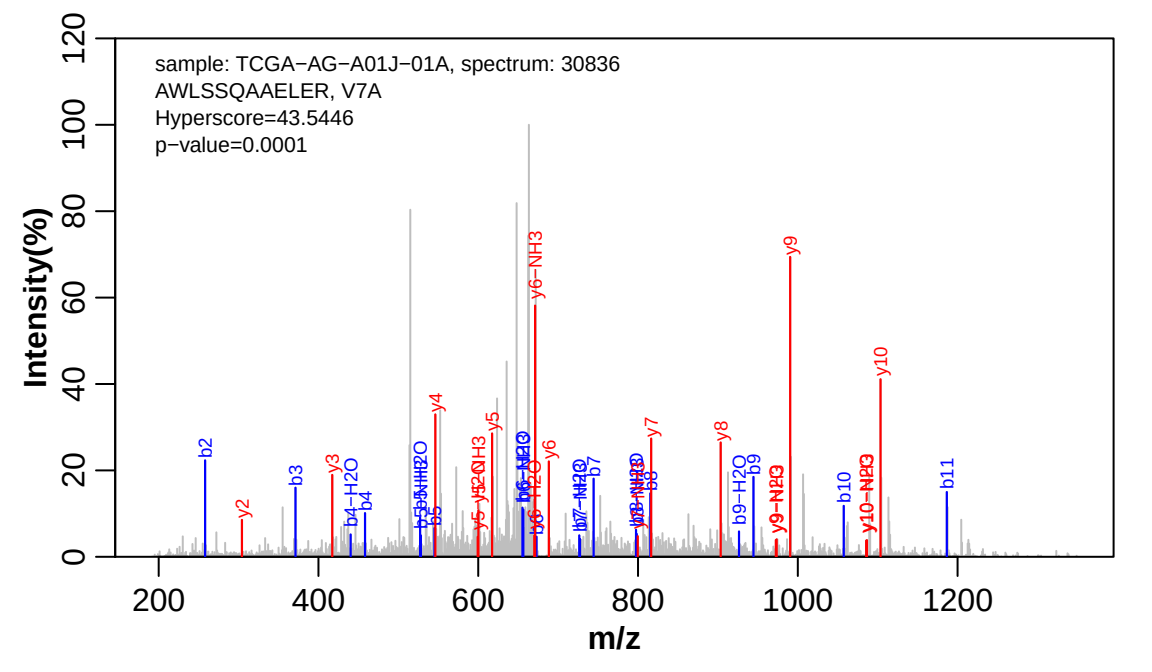

sample: TCGA−AG−A01J−01A, spectrum: 12626
AGVETTTPSKQSNNK, K7T
Hyperscore=26.6791
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
b4
y8++
y4++
b5
b10++−H2O
b10++−NH3
y9++−H2O
y9++
y10++
y11++
b7−NH3
b7
y12++−H2O
y12++
b14++
y8
y13++
y14++−H2O
y14++

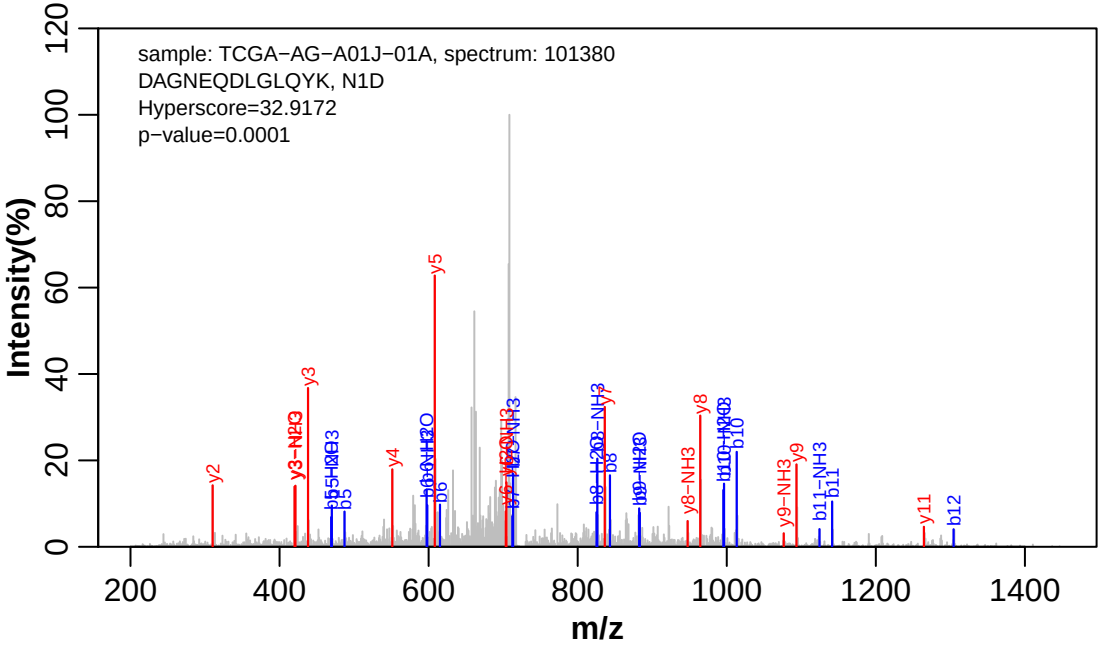

sample: TCGA−AG−A01J−01A, spectrum: 98621
ALDRPYTSK, E3D
Hyperscore=21.4892
p−value=0.0001
Intensity(%)
m/z
y2
y3
b4
y4−NH3
y4
y5
b6
y6
b7−H2O
b7
y7−NH3
y7
b8−H2O
b8

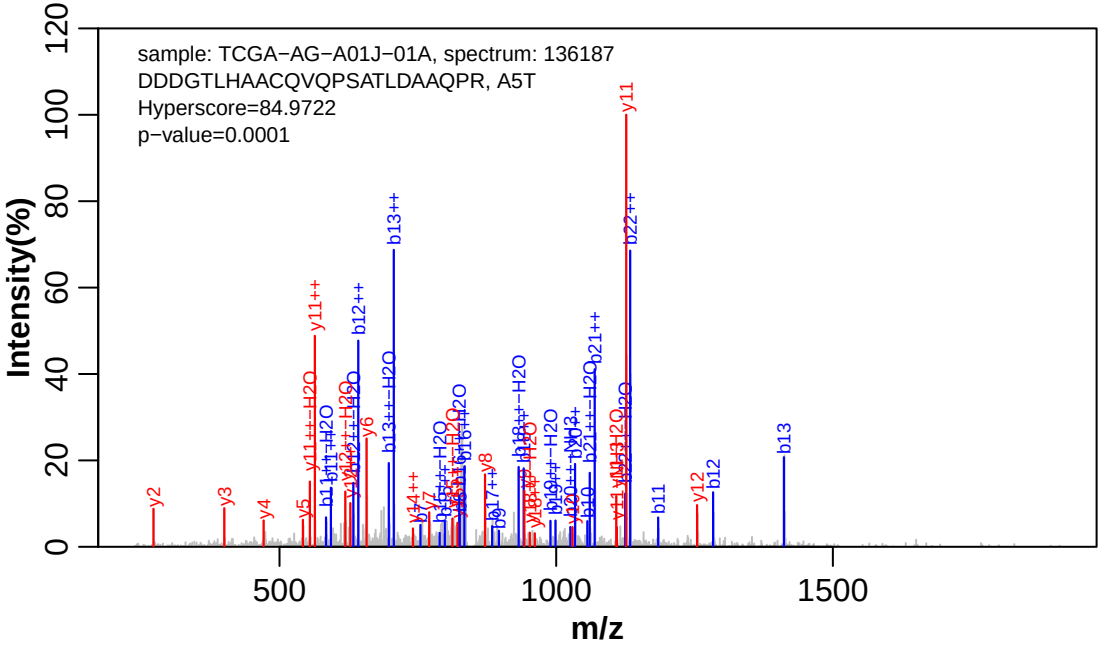

sample: TCGA−AG−A01J−01A, spectrum: 90930
ALFMDCGLHAR, T4M
Hyperscore=22.1195
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
m/z
y2
b3
y3
b4−NH3
b4−H2O
b5
y6
y7
b8
y8
b9
y9
b10

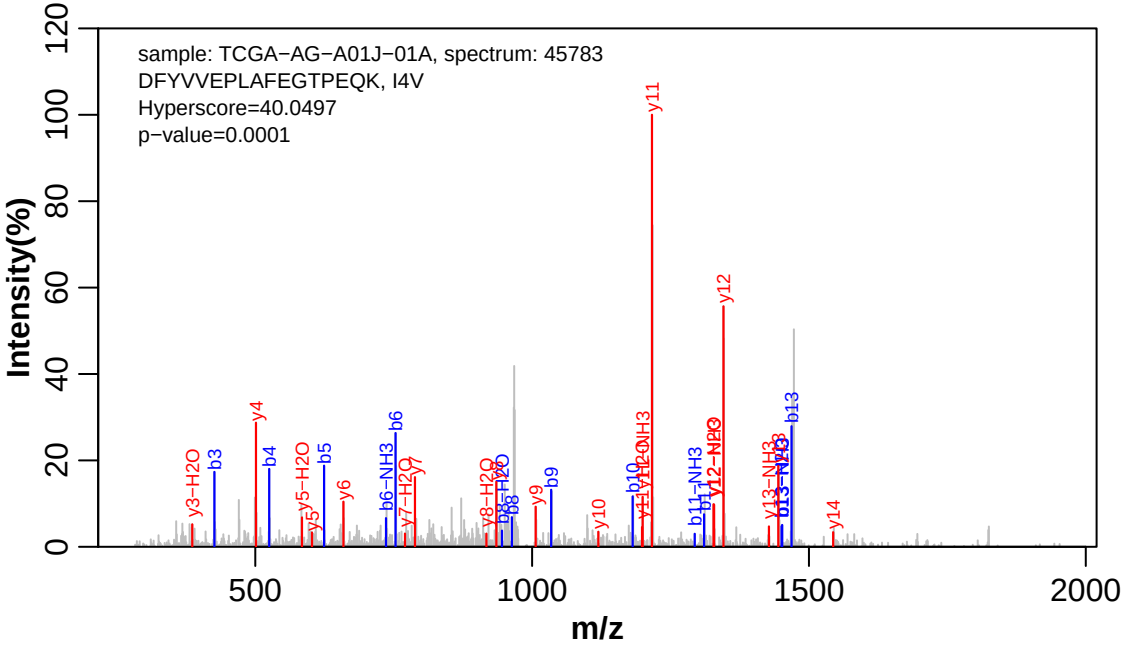

sample: TCGA−AG−A01J−01A, spectrum: 18883
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=34.8740
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y5
b7−H2O
y6
b10−H2O
y8
y9
b11−H2O
y10
y11
y12−NH3
y12
y13
y14
b16
b17
b18

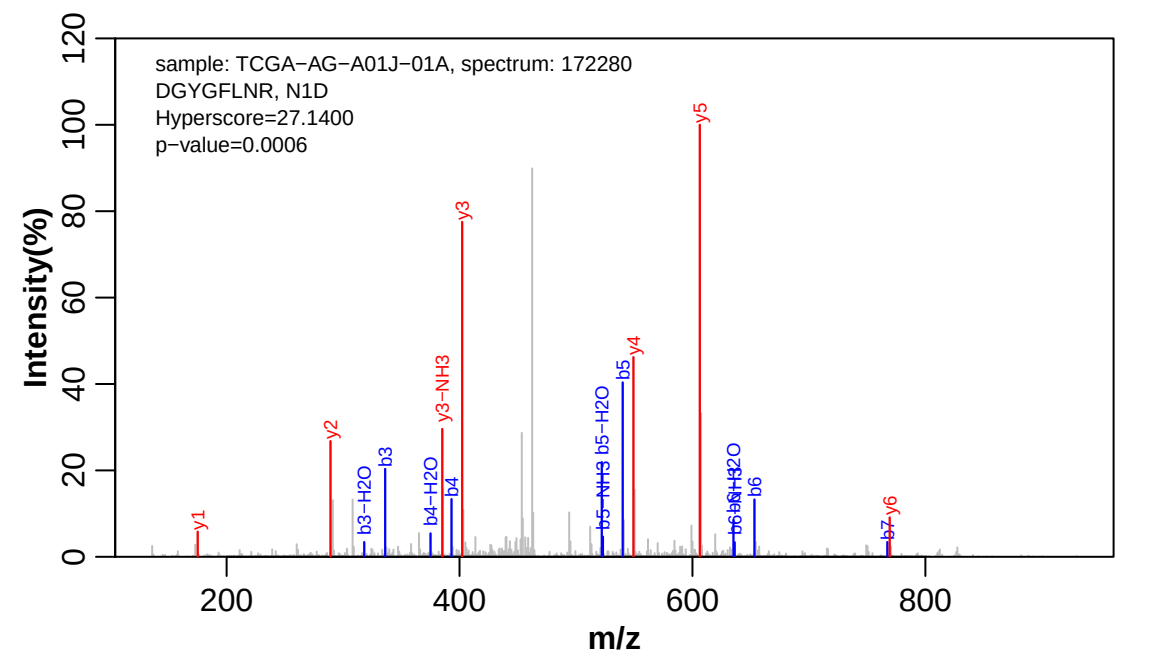

sample: TCGA−AG−A01J−01A, spectrum: 116446
AVEVATVVLQPTVLR, S12T
Hyperscore=30.8219
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y8
b7−H2O
b9
y7
b10
b8−H2O
b8
b7
b7−NH3
b9−H2O
b9−NH3
b8−NH3
y8−H2O
y10
y9
y11−H2O
b12
b13−H2O
b13
b14
b4
b5
b6

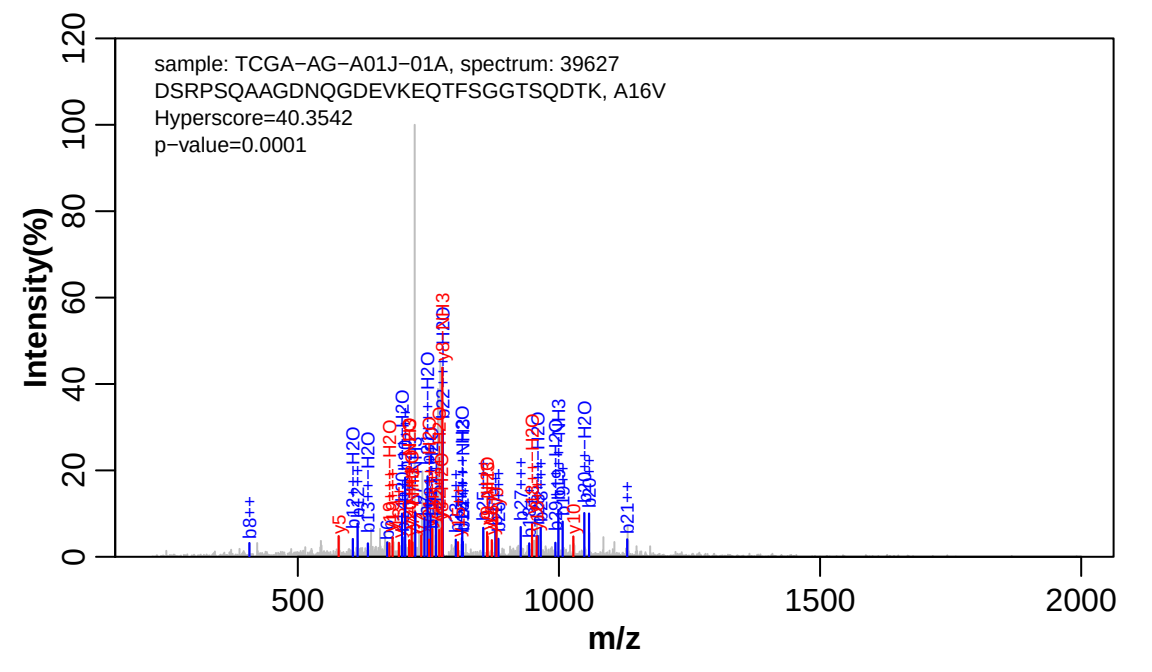

sample: TCGA−AG−A01J−01A, spectrum: 30836
AWLSSQAAELER, V7A
Hyperscore=43.5446
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−H2O
b4
y4
y5
y6−NH3
y6
y7
y8
b9−H2O
b9
y9
b10
y10
b11

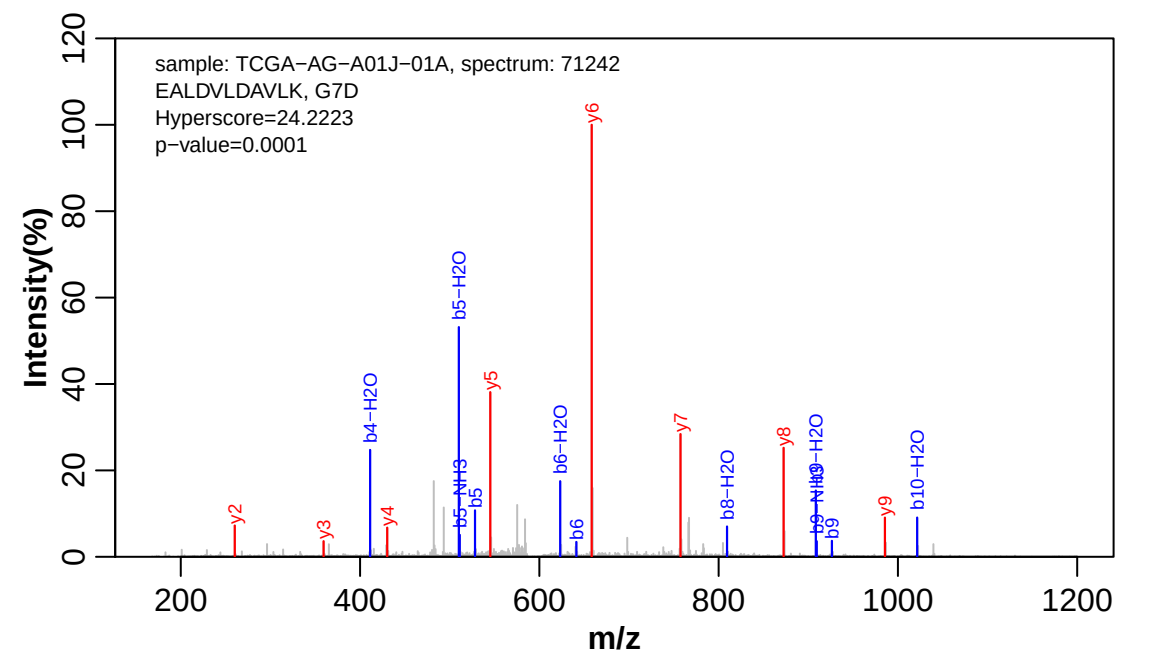

sample: TCGA−AG−A01J−01A, spectrum: 101380
DAGNEQDLGLQYK, N1D
Hyperscore=32.9172
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
y3−NH3
y4
y5
y7
y8
y8−NH3
y9
y9−NH3
b5
b6
b8
b10
b11
b11−NH3
y11
b12

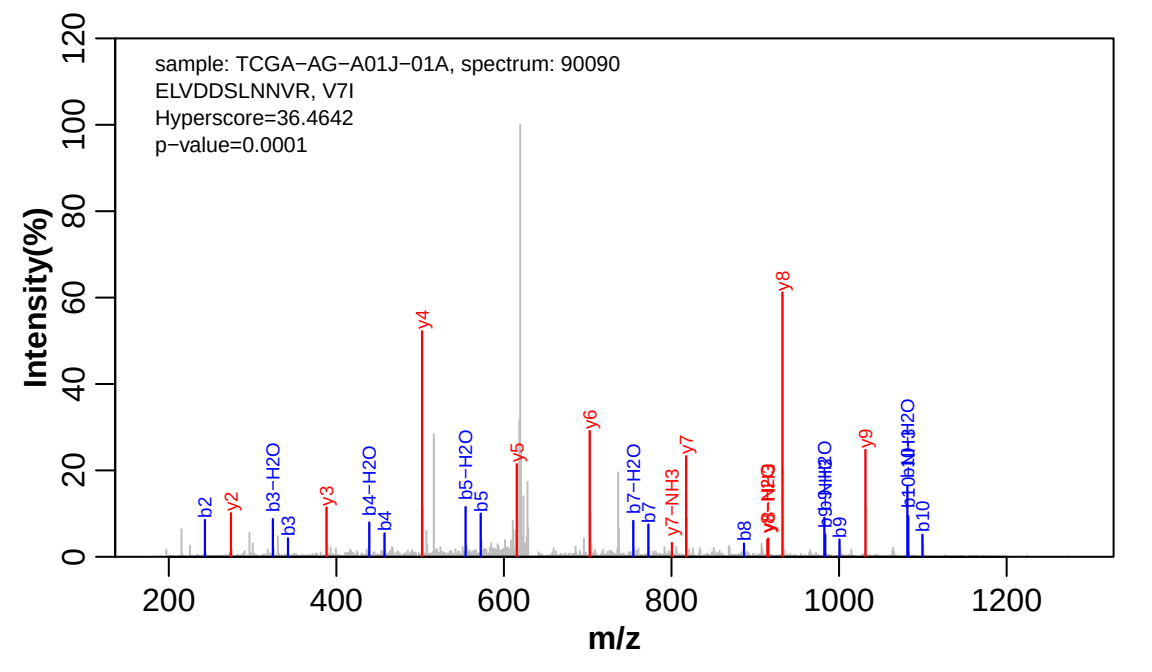

sample: TCGA−AG−A01J−01A, spectrum: 136187
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=84.9722
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
y3
y4
y5
y11++
y11++−H2O
y6
b12++
b13++
b13++−H2O
y14++
y7
y8
b17++
b9
b18++−H2O
b10
b21++
b21++−H2O
y11
y12
b12
b11
b13
b22++

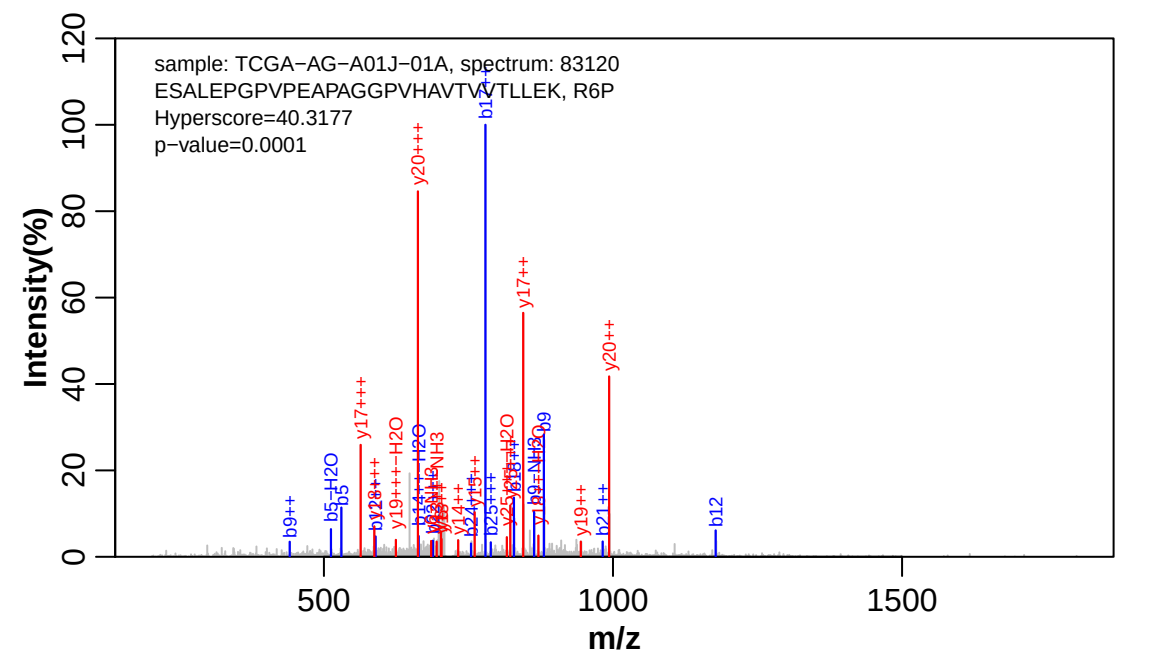

sample: TCGA−AG−A01J−01A, spectrum: 45783
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=40.0497
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3−H2O
b3
y4
b4
y5−H2O
y5
b5
y6
b6−NH3
b6
y7−H2O
y7
y8−H2O
y8
y9
b9
y10
y11
y12
b11−NH3
y12−NH3
y13−NH3
b13
y14

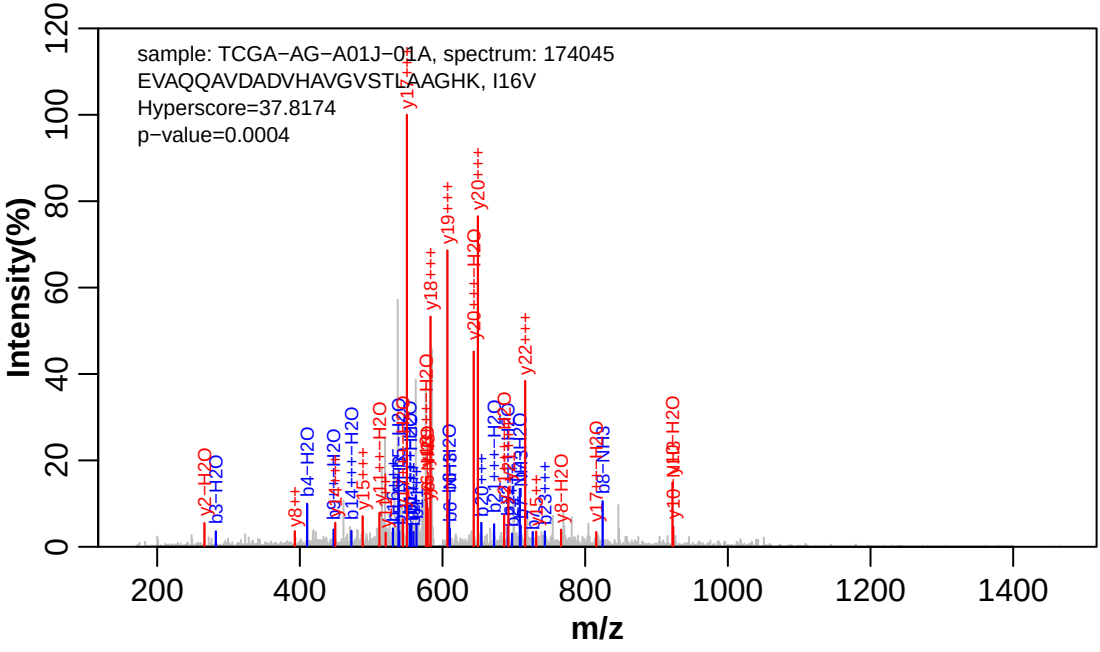

sample: TCGA−AG−A01J−01A, spectrum: 172280
DGYGFLNR, N1D
Hyperscore=27.1400
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6
y6
b7

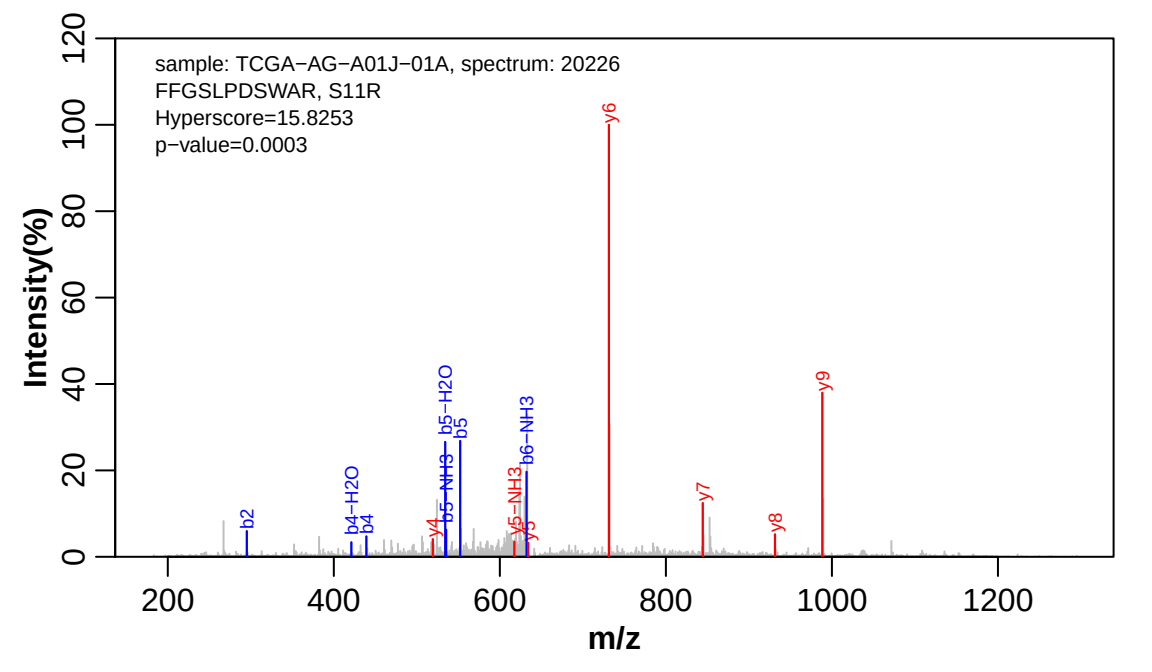

sample: TCGA−AG−A01J−01A, spectrum: 39627
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=40.3542
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b8++
y5
b12++−H2O
b13++−H2O
b21++

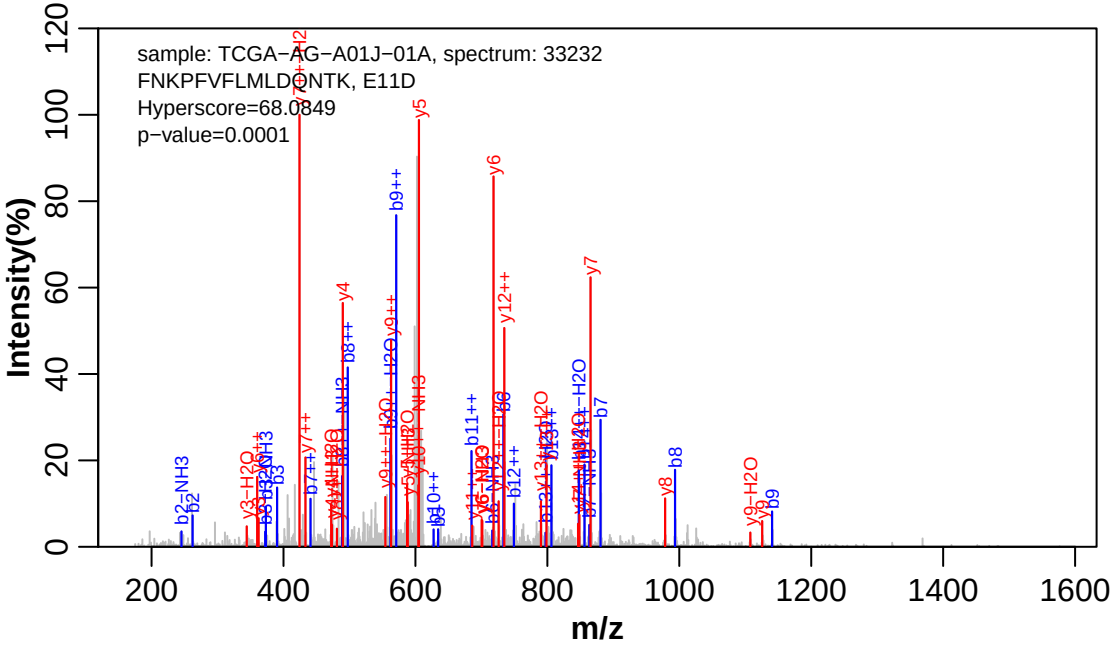

sample: TCGA−AG−A01J−01A, spectrum: 71242
EALDVLDAVLK, G7D
Hyperscore=24.2223
p−value=0.0001
Intensity(%)
m/z
y6
b5−H2O
y5
b4−H2O
y7
b6−H2O
y8
b8−H2O
b10−H2O
y2
y3
y4
b5−NH3
b5
b6
b9−NH3
b9
y9

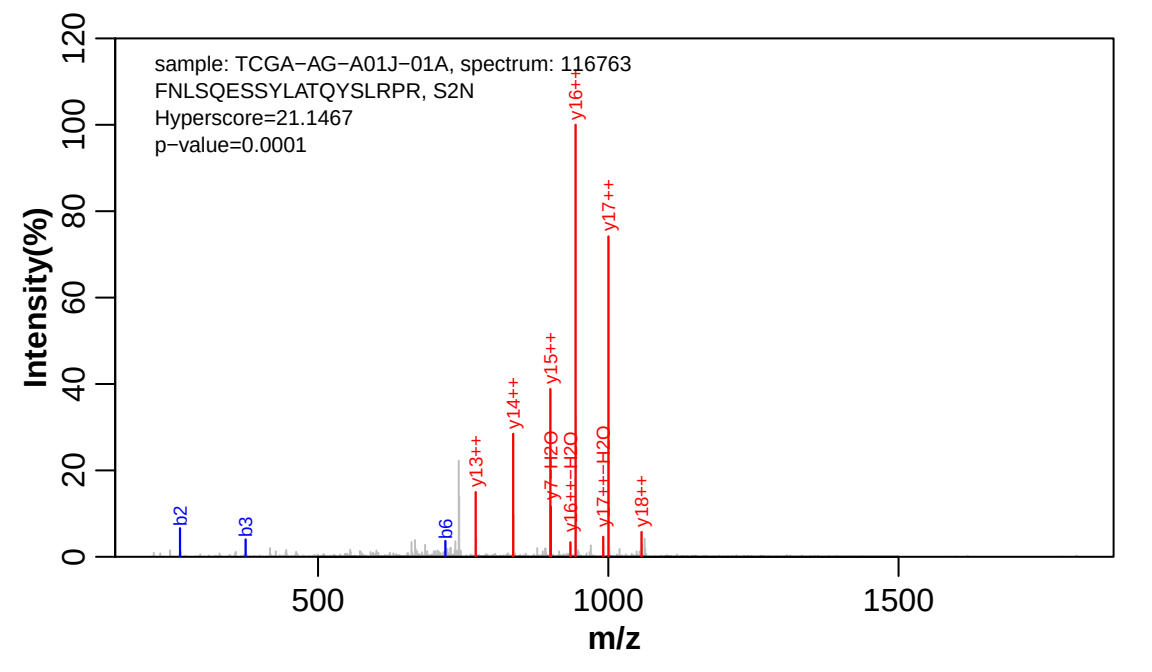

sample: TCGA−AG−A01J−01A, spectrum: 90090
ELVDDSLNNVR, V7I
Hyperscore=36.4642
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7−NH3
y7
b8
y8
b9
y9
b10
b10−H2O

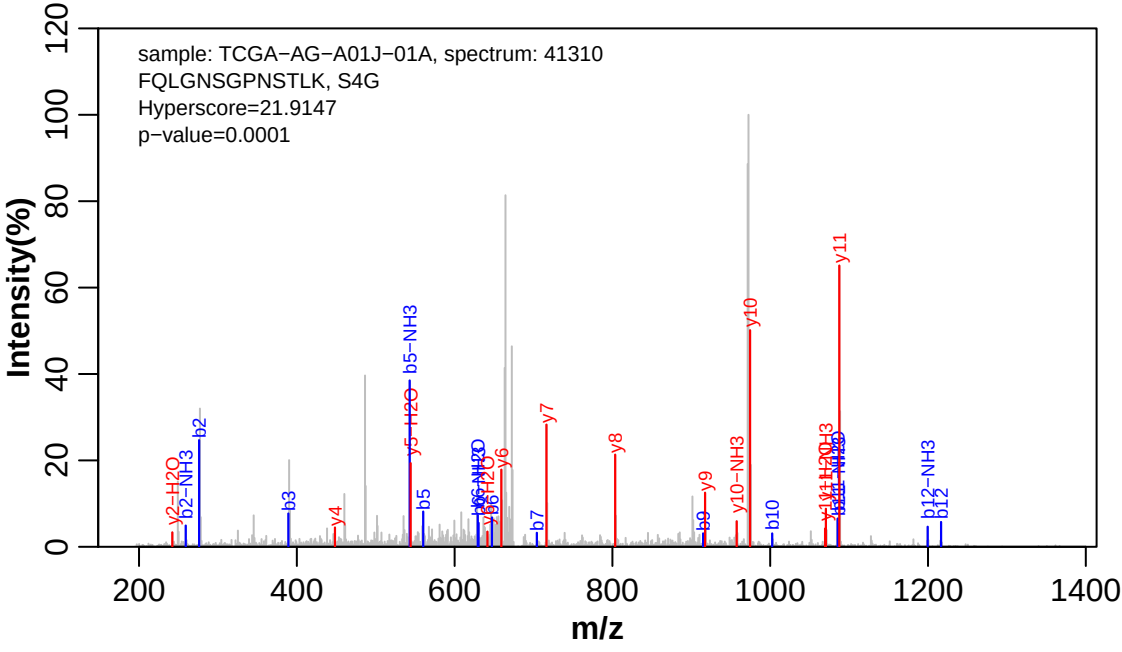

sample: TCGA−AG−A01J−01A, spectrum: 83120
ESALEPGPVPEAPAGGPVHAVTVTLLEK, R6P
Hyperscore=40.3177
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9++
b5−H2O
b5
y17+++
b12++
y19+++−H2O
b11+++−H2O
b11+++−NH3
y14++
b24+++
b25+++
b12+++
y20+++
y17++
y20++
y19++
b21++
b12

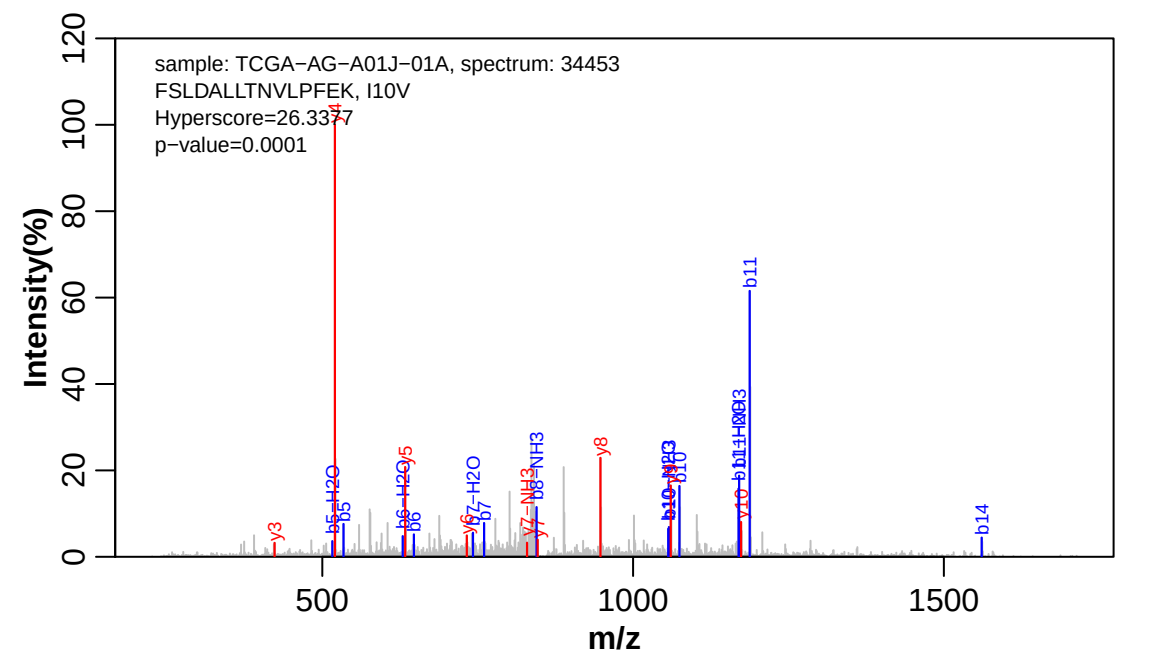

sample: TCGA−AG−A01J−01A, spectrum: 174045
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=37.8174
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y1+++
y18+++
y19+++
y20+++
y20+++−H2O
y22+++
y2−H2O
b3−H2O
y8++
b4−H2O
b14+++−H2O
y15+++
y8−H2O
b8−NH3
y10−NH3−H2O

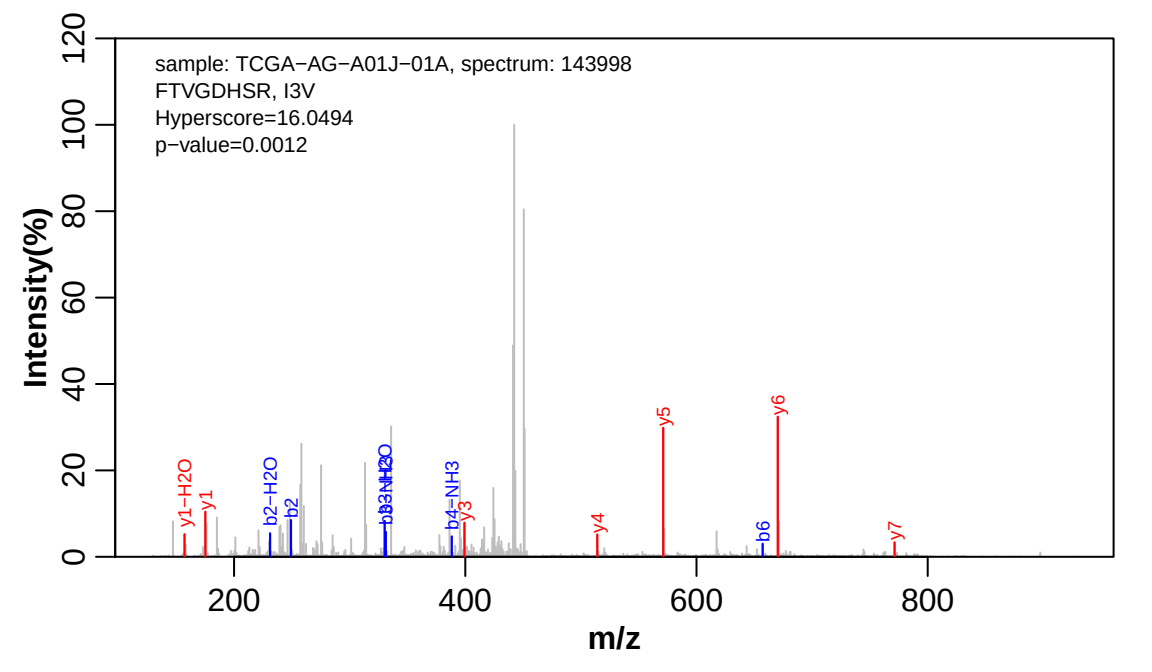

sample: TCGA−AG−A01J−01A, spectrum: 20226
FFGSLPDSWAR, S11R
Hyperscore=15.8253
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5−NH3
y5
b6−NH3
y6
y7
y8
y9

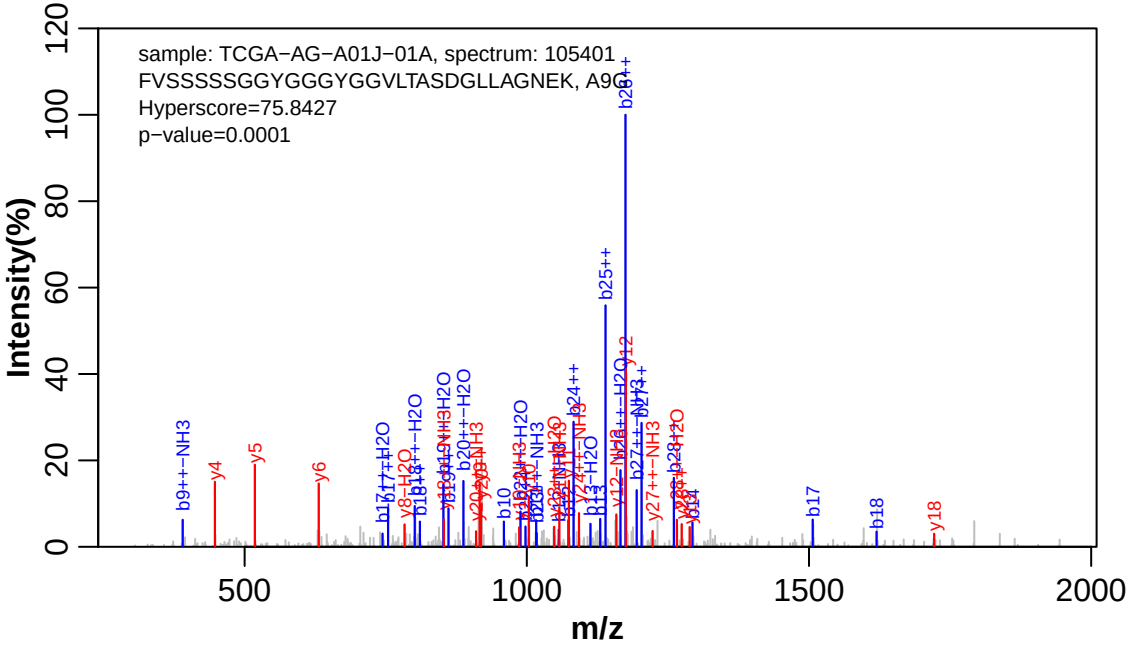

sample: TCGA−AG−A01J−01A, spectrum: 33232
FNKPFVFLMLDQNTK, E11D
Hyperscore=68.0849
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7++−H2O
y5
y6
y12++
y7
y4
b9++
b8++
b7
b8
y8
y9−H2O
y9
b9
b2−NH3
b2
y3−H2O
b3
b7++
y7++
y9++−H2O
y9++
b11++
b12++
b10++

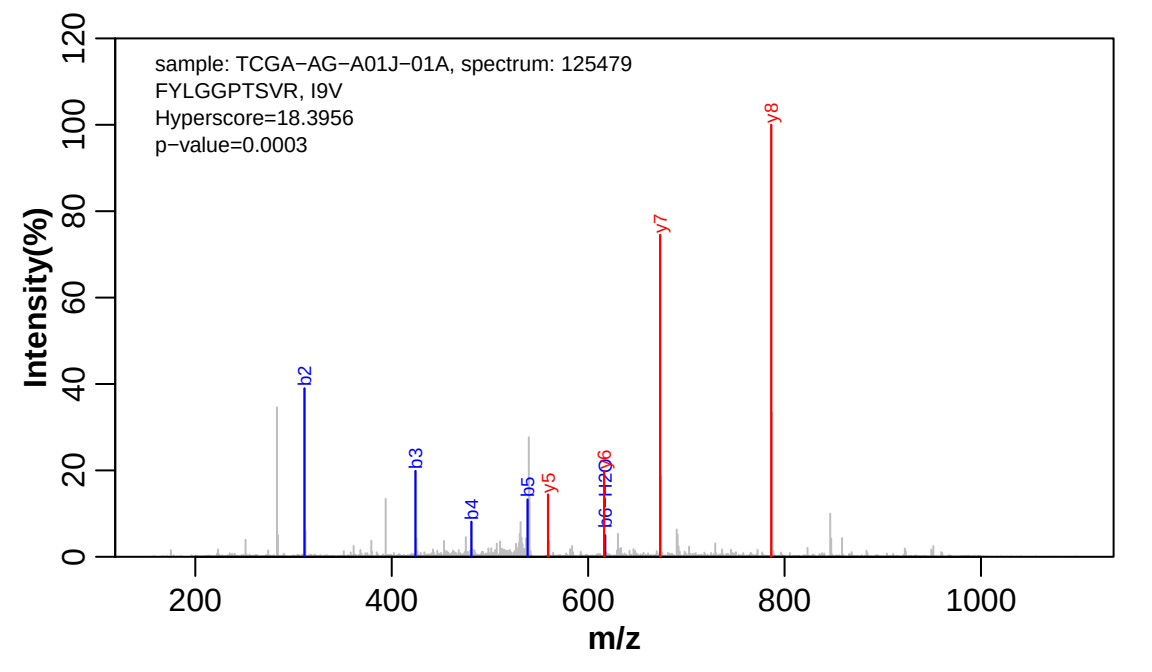

sample: TCGA−AG−A01J−01A, spectrum: 116763
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=21.1467
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
b3
b6
y13++
y14++
y15++
y7−H2O
y16++−H2O
y16++
y17++−H2O
y17++
y18++

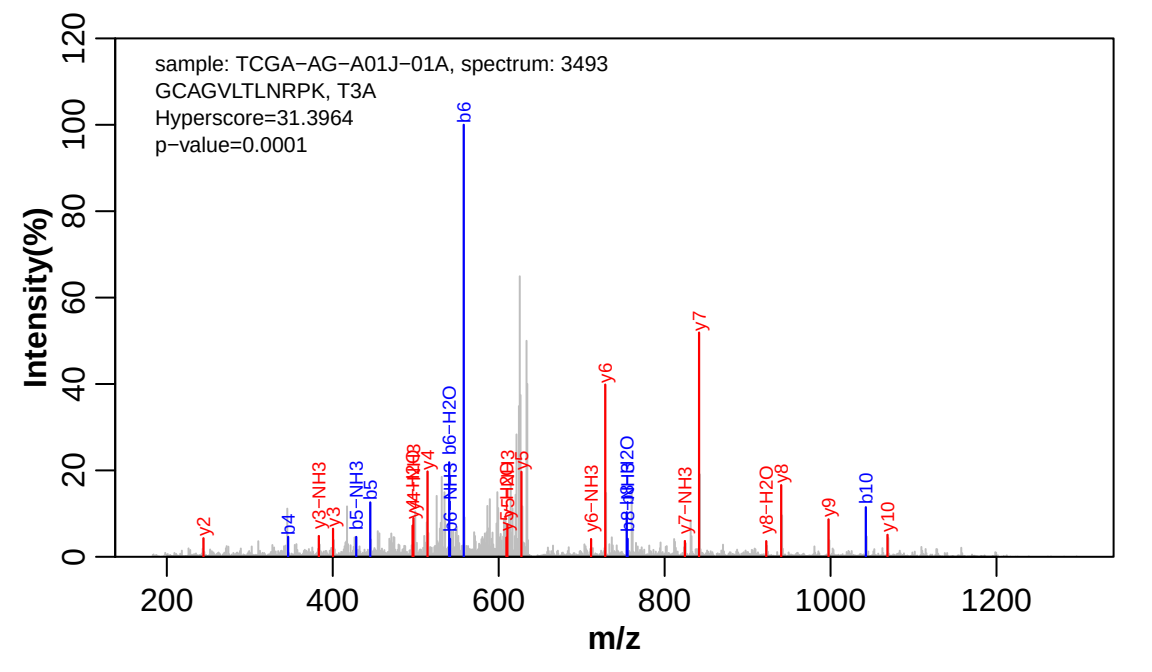

sample: TCGA−AG−A01J−01A, spectrum: 41310
FQLGNSGPNSTLK, S4G
Hyperscore=21.9147
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2−H2O
b2−NH3
b2
b3
y4
y5−H2O
b5−NH3
b5
y6
y7
b7
y8
y9
b9
y10−NH3
y10
b10
y11
b12−NH3
b12

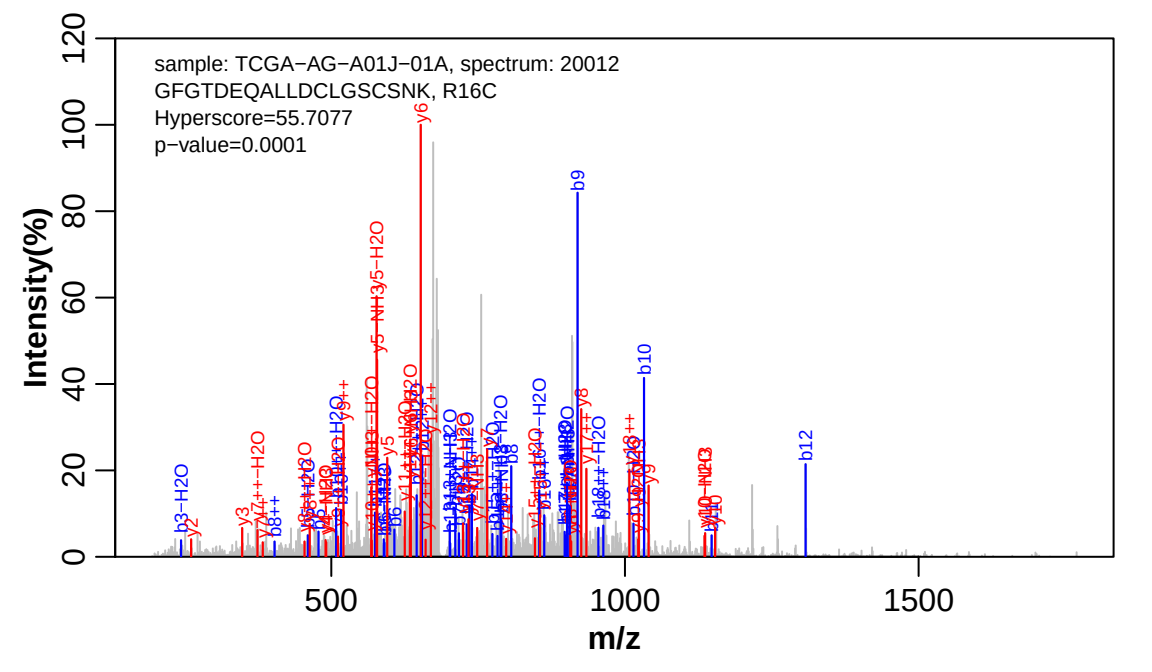

sample: TCGA−AG−A01J−01A, spectrum: 34453
FSLDALLTNVLPFEK, I10V
Hyperscore=26.3377
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y3
b5−H2O
b5
b6−H2O
y5
b6
y6
y6−H2O
b7
y7−NH3
b8−NH3
y7
y8
b10−NH3
b10
b11
y10−b11−H2O−NH3
b14

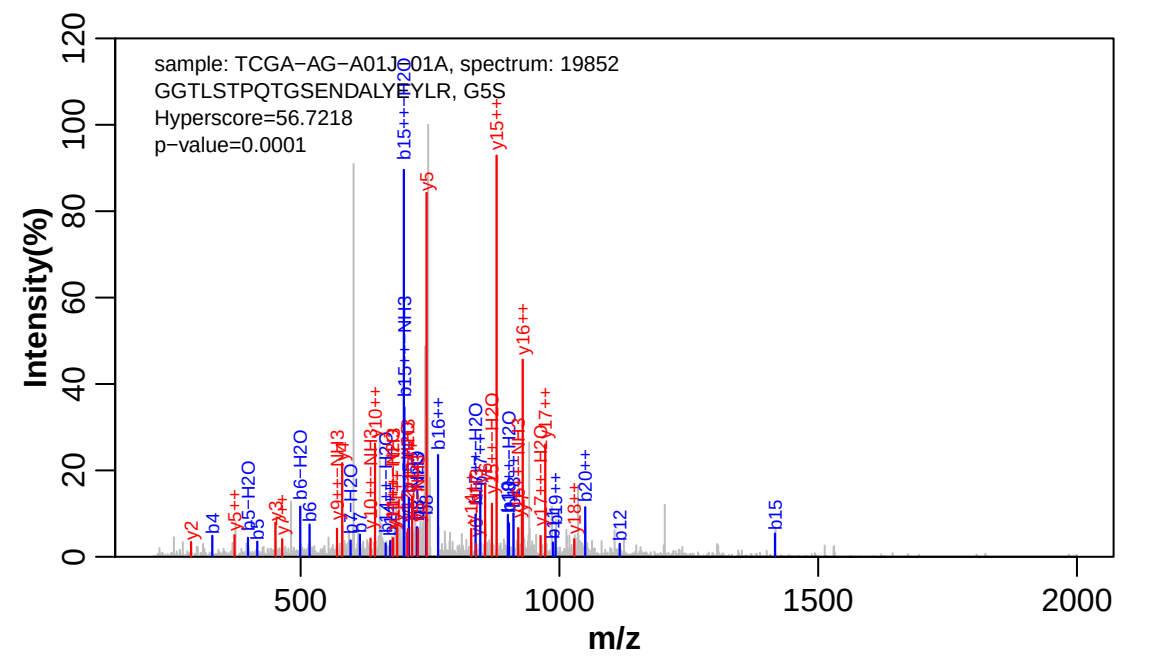

sample: TCGA−AG−A01J−01A, spectrum: 143998
FTVGDHSR, I3V
Hyperscore=16.0494
p−value=0.0012
Intensity(%)
m/z
y1−H2O
y1
b2−H2O
b2
b4−NH3
y3
y4
y5
y6
b6
y7

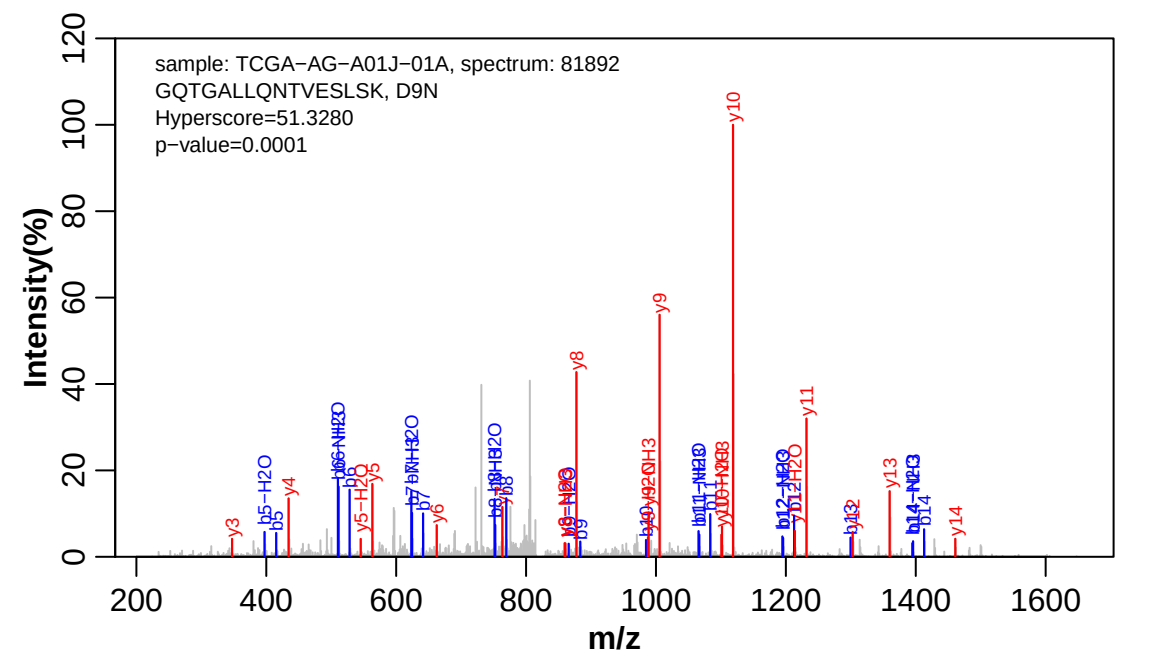

sample: TCGA−AG−A01J−01A, spectrum: 105401
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=75.8427
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y6
b17++−H2O
y8++−H2O
b18++−H2O
b20++−H2O
b10
b13−H2O
b25++
b26++
y12
b27++−NH3
y27++−NH3
b17
b18
y18

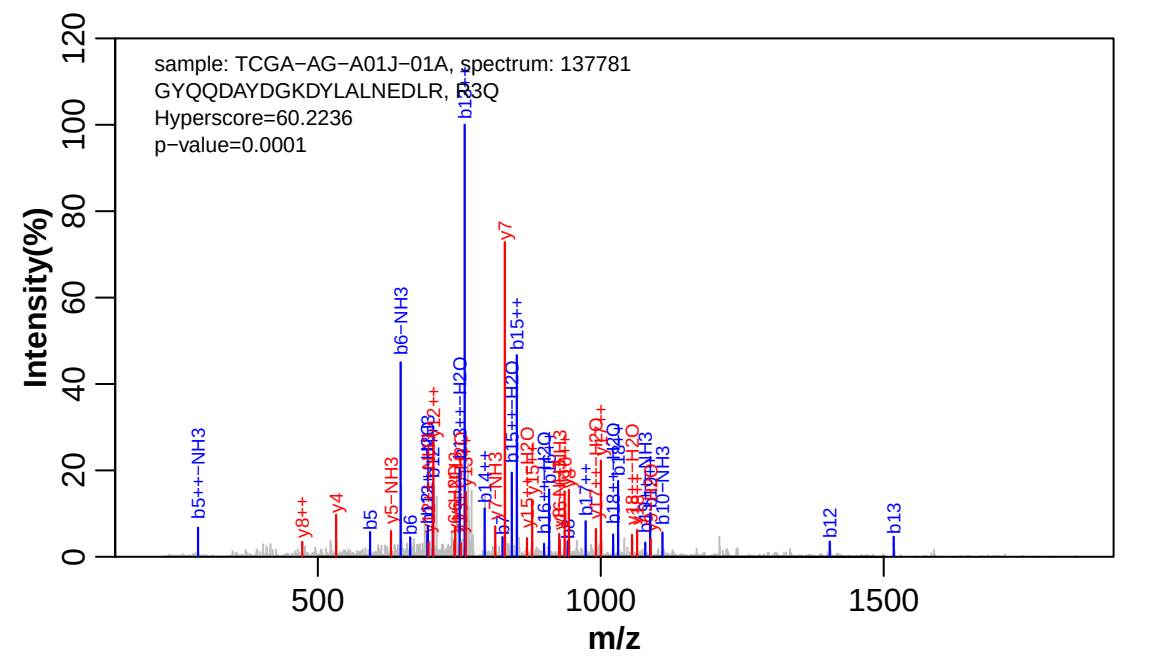

sample: TCGA−AG−A01J−01A, spectrum: 125479
FYLGGPTSVR, I9V
Hyperscore=18.3956
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

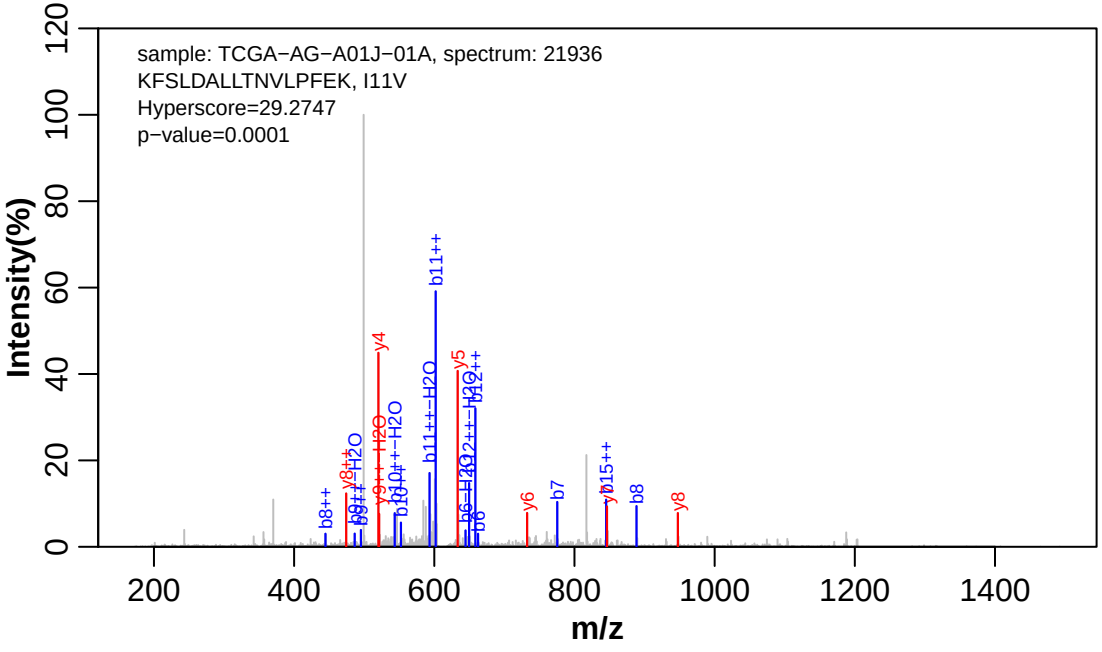

sample: TCGA−AG−A01J−01A, spectrum: 3493
GCAGVLTLNRPK, T3A
Hyperscore=31.3964
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b6
b6−H2O
b6−NH3
y7
y6
y6−NH3
y7−NH3
y8
y8−H2O
y9
b10
y10
y5
y4
y3
y3−NH3
y2
b4
b5
b5−NH3

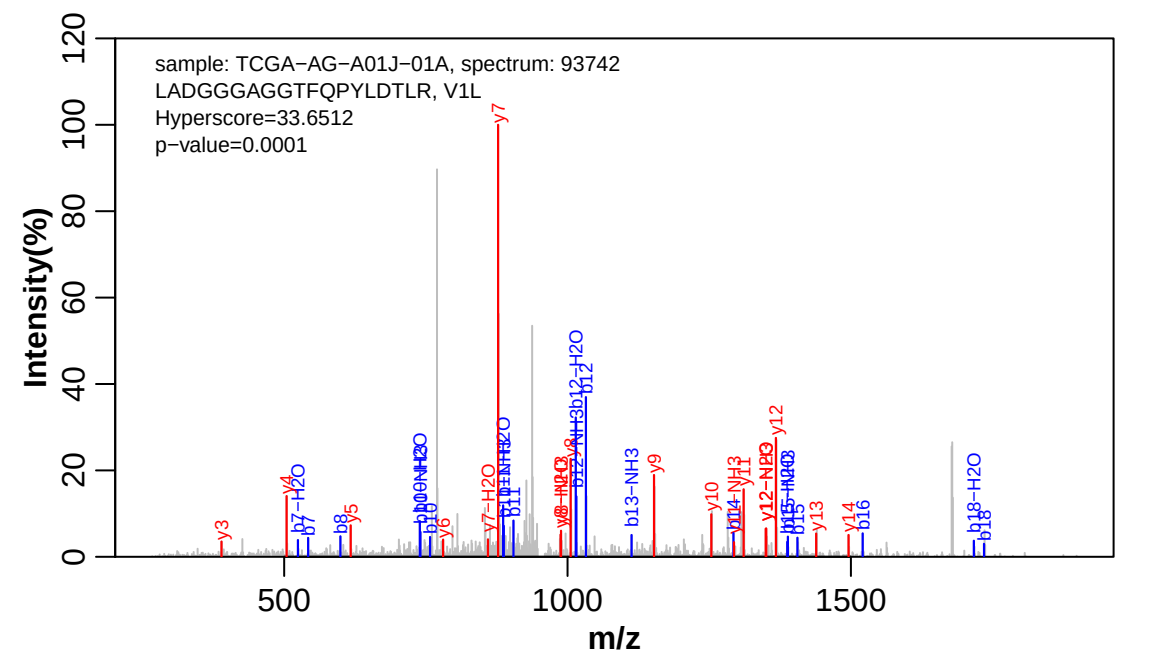

sample: TCGA−AG−A01J−01A, spectrum: 20012
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=55.7077
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
b9
b10
b12
y5−NH3
y5−H2O
y8++
y2
b3−H2O
y3
b8++
y7++−H2O
y9++
b6
y5
y8
y7++
b8++−H2O
y9
b10++
y10
y10−NH3

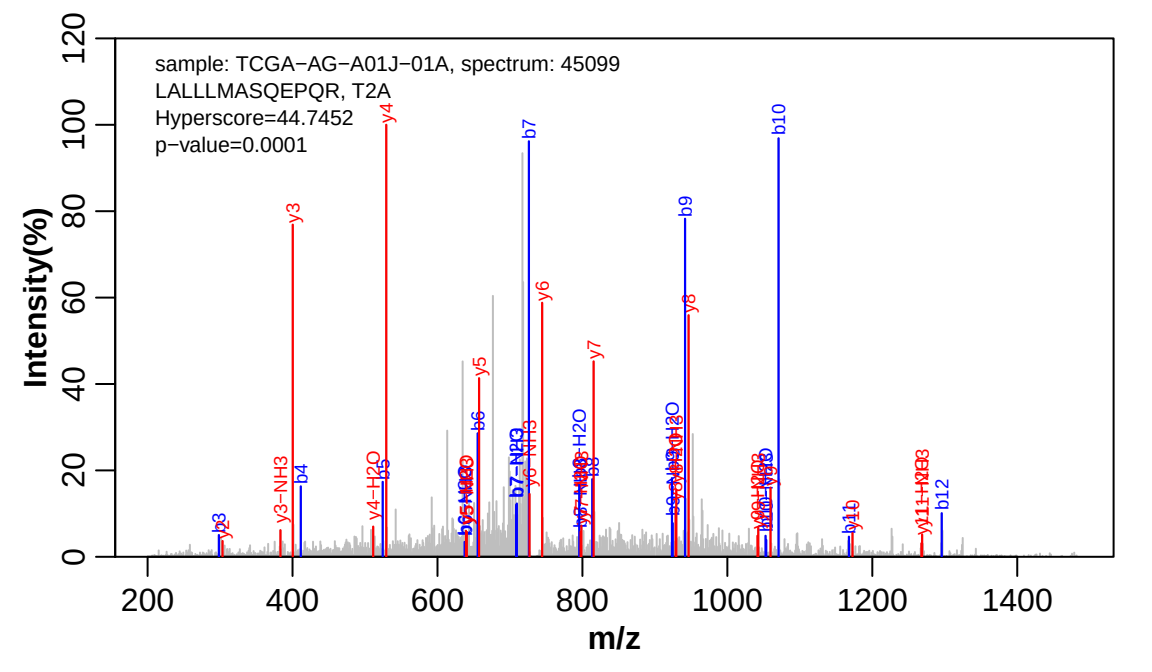

sample: TCGA−AG−A01J−01A, spectrum: 19852
GGTLSTPQTGSENDALYEYLR, G5S
Hyperscore=56.7218
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b4
y5++
b5−H2O
b5
y7++
b6
b6−H2O
y9++−NH3
b7−H2O
y10++−NH3
b10++
b15++−NH3
b15++−H2O
y5
b16++
y15++
y16++
y17++
b20++
b12
b15

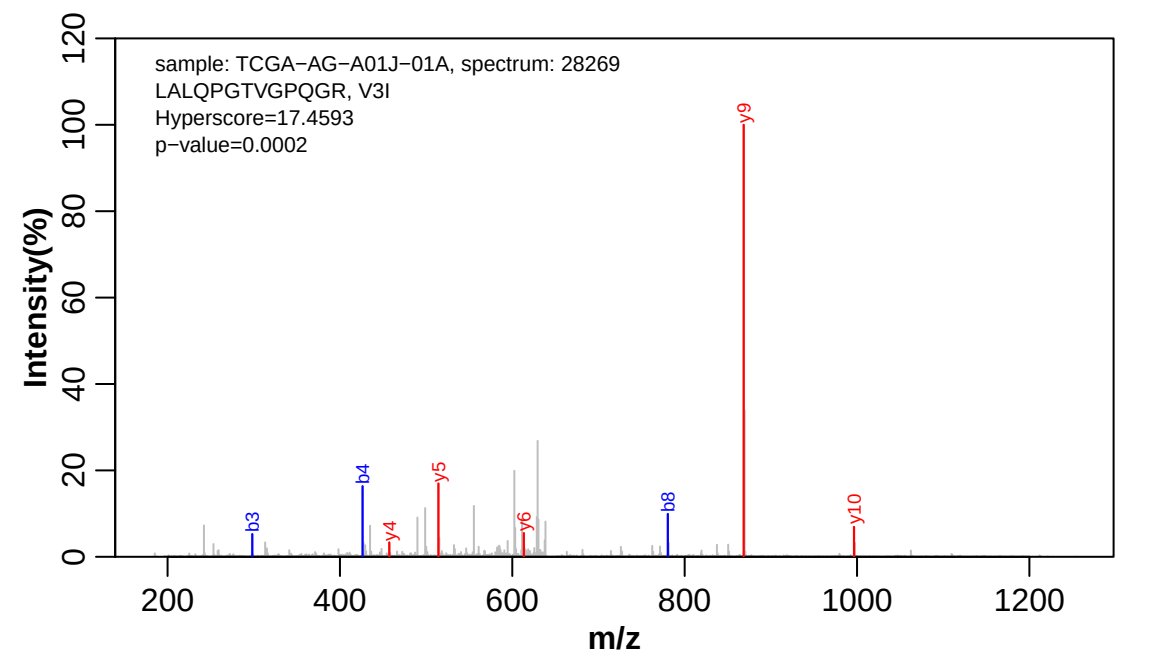

sample: TCGA−AG−A01J−01A, spectrum: 81892
GQTGALLQNTVESLSK, D9N
Hyperscore=51.3280
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
b5−H2O
b5
y4
y5−H2O
y5
y6
y8
y9
y10
y11
y13
y14

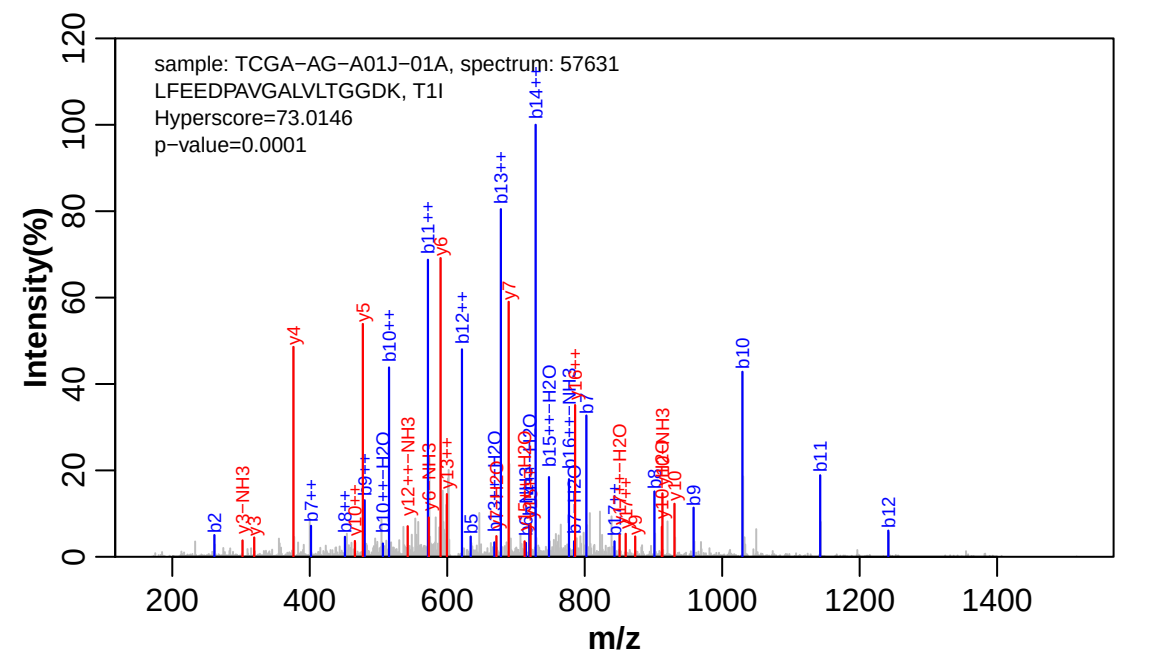

sample: TCGA−AG−A01J−01A, spectrum: 137781
GYQQDAYDGKDYLALNEDLR, R3Q
Hyperscore=60.2236
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5++−NH3
y8++
y4
b5
y5−NH3
b6
b6−NH3
b12++
b13++−H2O
b14++
y7−NH3
b7
y15++−H2O
b15++−H2O
y7
b15++
b16++−H2O
b17++
b17++−H2O
b18++−H2O
b10−NH3
b12
b13

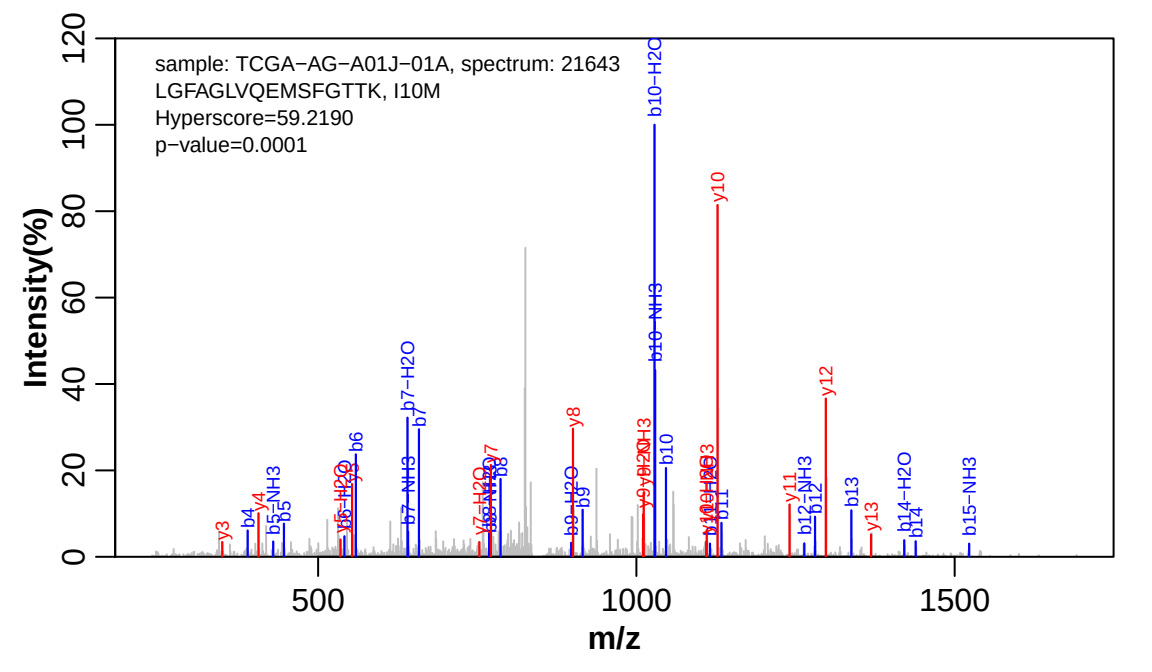

sample: TCGA−AG−A01J−01A, spectrum: 21936
KFSLDALLTNVLPFEK, I11V
Hyperscore=29.2747
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b8++
y8++
y8++−H2O
b9++
b9++−H2O
y9++−H2O
b10++
b10++−H2O
y4
b11++
b11++−H2O
y5
b12++
b12++−H2O
y6
b7
y15++
b8
y8

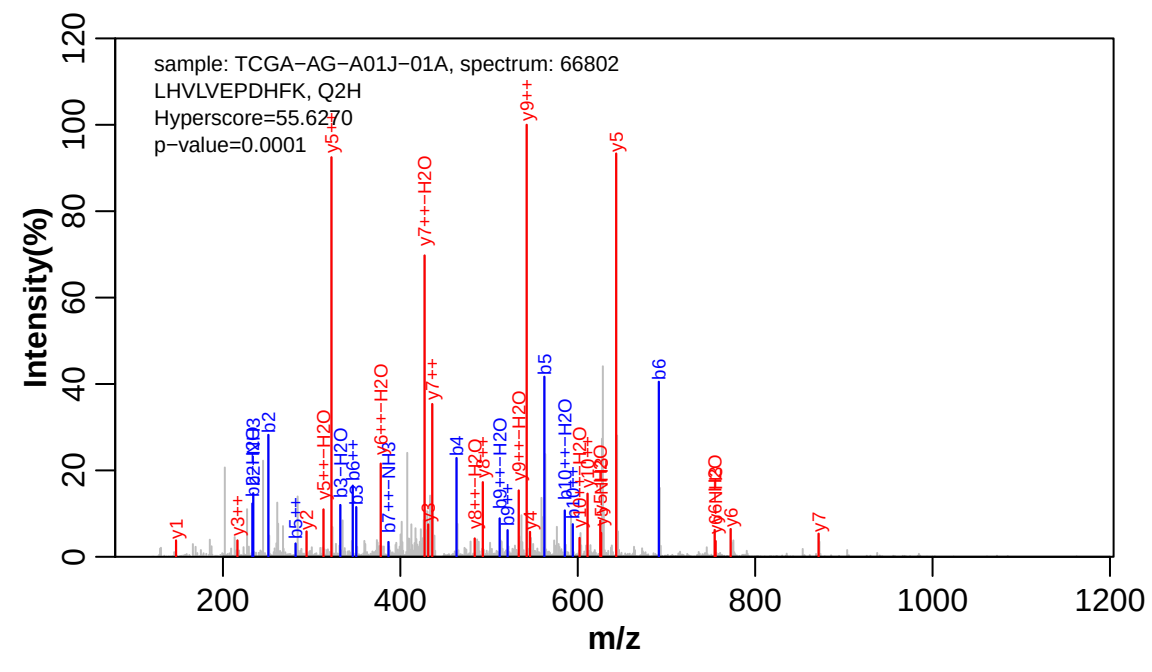

sample: TCGA−AG−A01J−01A, spectrum: 93742
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=33.6512
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y7
y3
y4
b7−H2O
b8
y5
y6
y7−H2O
b12−H2O
b13−NH3
y9
y10
y11
y12
b18−H2O

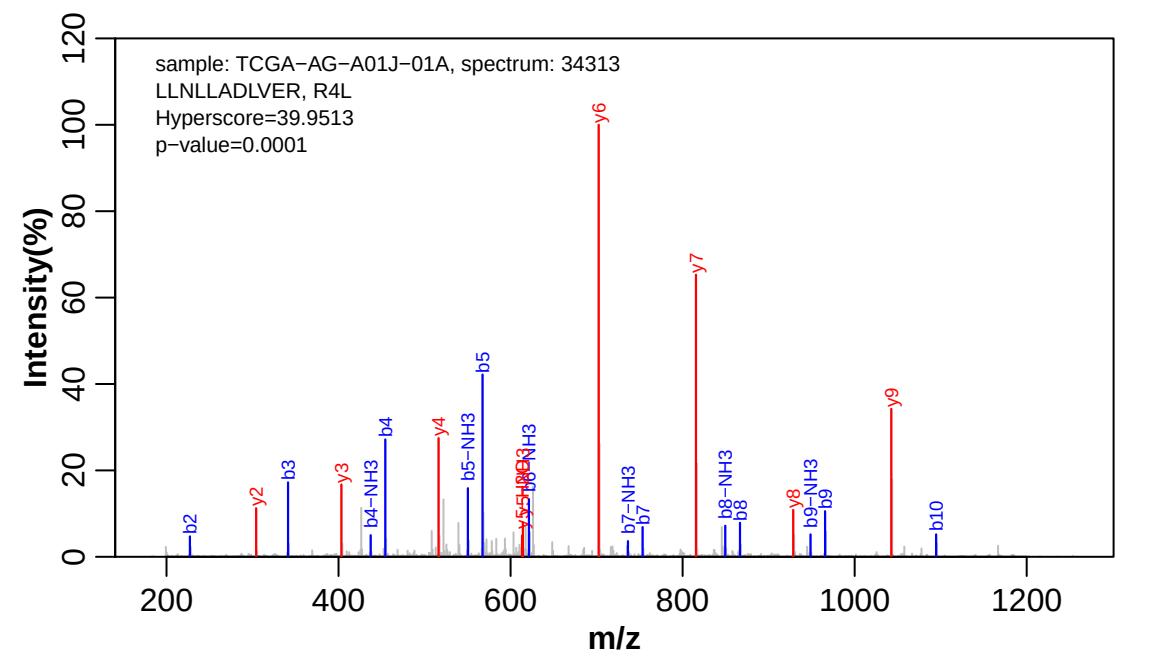

sample: TCGA−AG−A01J−01A, spectrum: 45099
LALLLMASQEPQR, T2A
Hyperscore=44.7452
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
b7
b10
y3
b9
y6
y8
y5
y7
b6
b4
b5
b12
y2
b3
y3−NH3
y4−H2O
b7−NH3
b7−H2O
b8
b11
y11+H2O
y11+2H2O

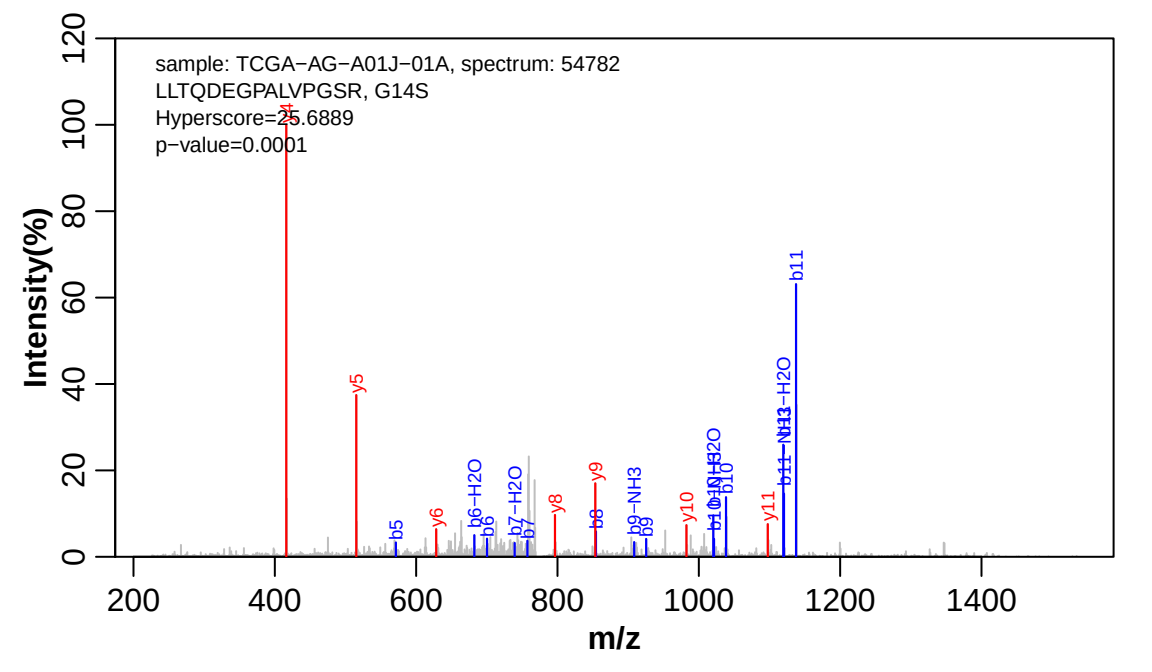

sample: TCGA−AG−A01J−01A, spectrum: 28269
LALQPGTVGPQGR, V3I
Hyperscore=17.4593
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b3
b4
y4
y5
y6
b8
y9
y10

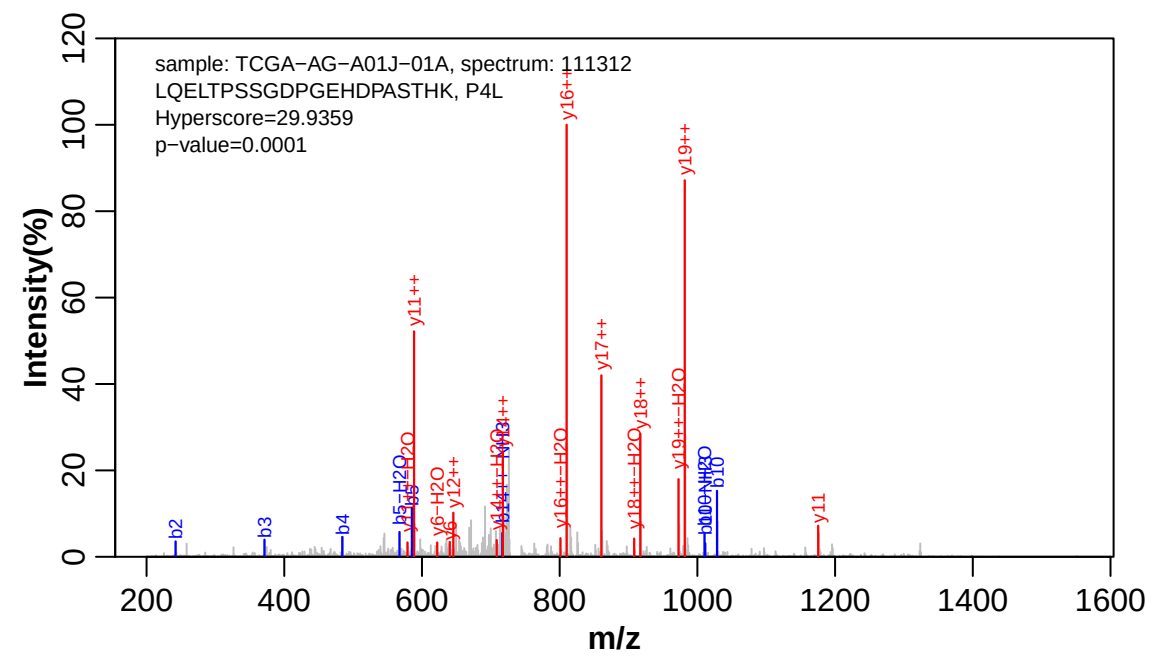

sample: TCGA−AG−A01J−01A, spectrum: 57631
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=73.0146
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3−NH3
y3
b7++
y4
b8++
y8++
b9++
y5
b10++−H2O
b10++
y12++−NH3
y6−NH3
y13++
b11++
y6
b12++
b5
y7
b13++
b14++
b15++−H2O
b16++−NH3
b7
b10
b11
b12
b9

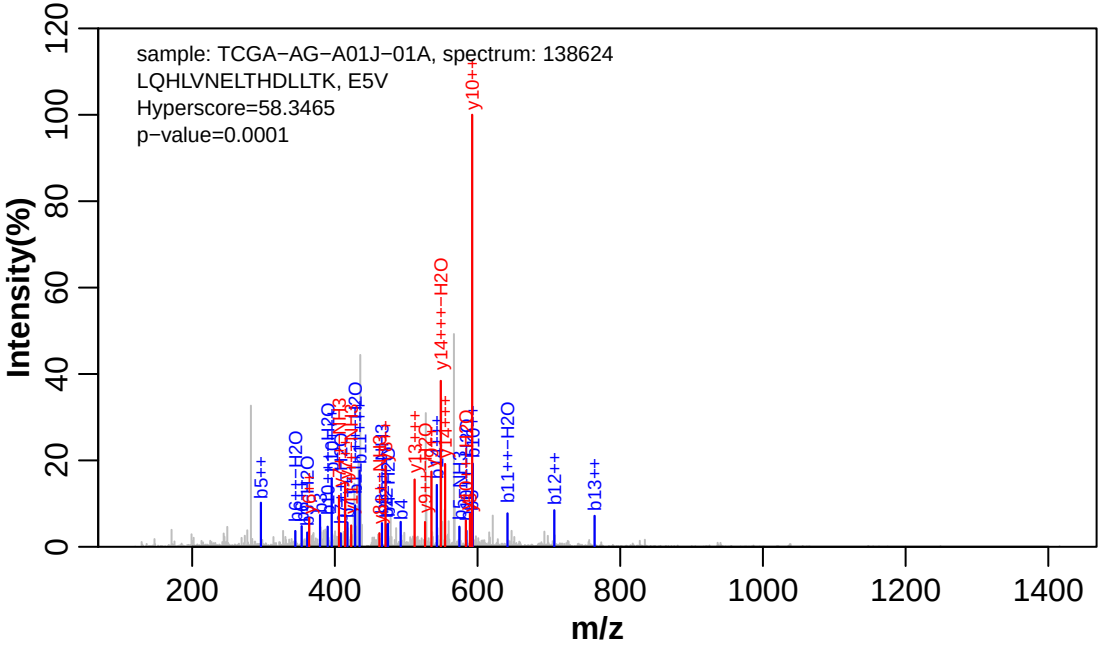

sample: TCGA−AG−A01J−01A, spectrum: 21643
LGFAGLVQEMSFGTTK, I10M
Hyperscore=59.2190
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b10−H2O
b10−NH3
y10
b7−H2O
b7−NH3
y8
y12
b13
y13
b14−H2O
b15−NH3
b10
y11
b12−NH3
b12
b14
b11
b9−H2O
b9
b6
b5−NH3
b5
b4
y4
y3

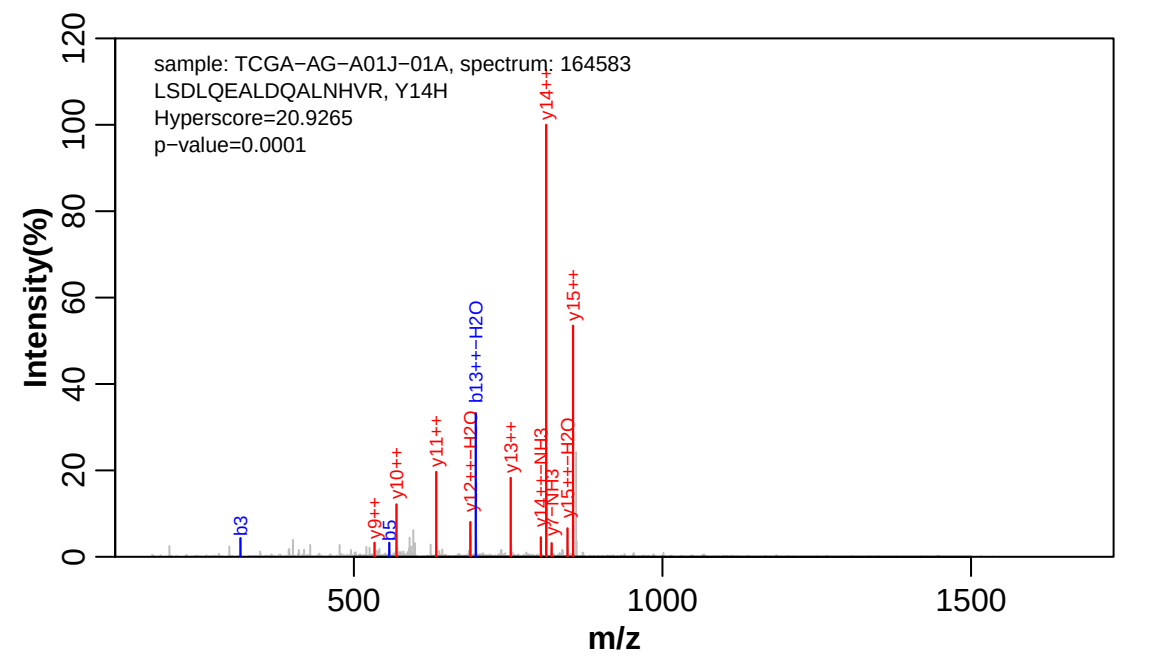

sample: TCGA−AG−A01J−01A, spectrum: 66802
LHVLVEPDHFK, Q2H
Hyperscore=55.6270
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
y3++
b2
b2++−H2O
b2++−NH3
b3
b3−H2O
b3++
b5++
y2
y5++−H2O
y5+
b6++
y6++−NH3
b7++−NH3
y3
y7++−H2O
y7++
b4
y8++−H2O
y8++
b9++−H2O
b9++
y9++−H2O
y4
y9++
b5
b10++−H2O
b10++
y10++−H2O
y10++
y5++−NH3
b6
y6++−NH3
y6++
y6
y7
y5

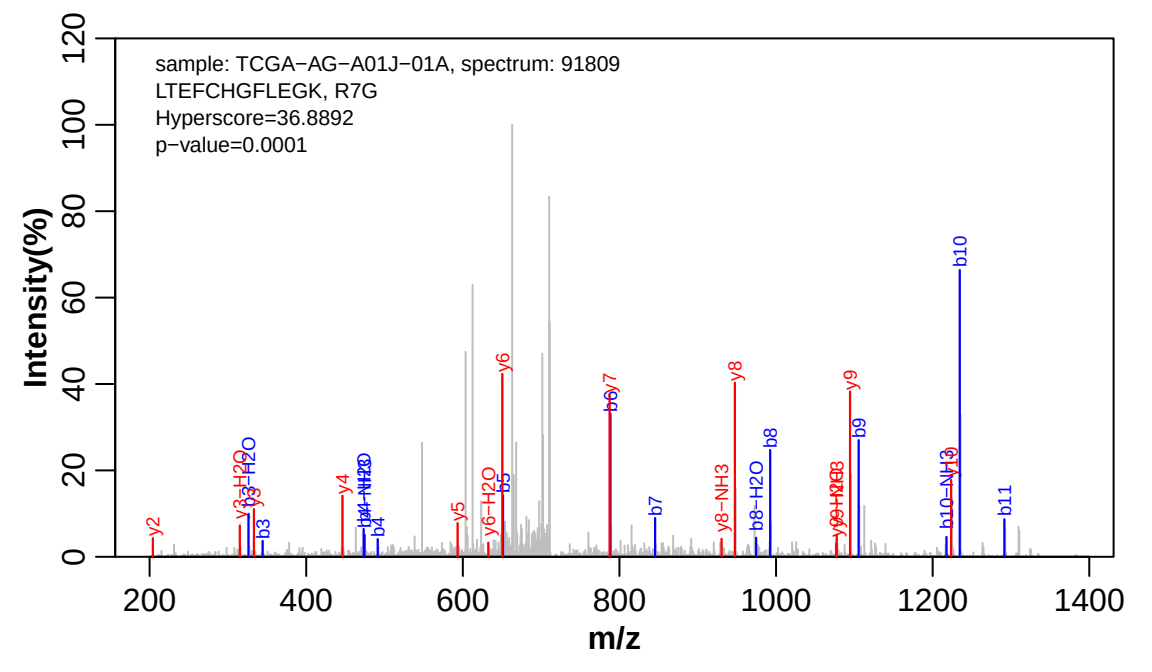

sample: TCGA−AG−A01J−01A, spectrum: 34313
LLNLLADLVER, R4L
Hyperscore=39.9513
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
b6−NH3
y6
b7−NH3
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

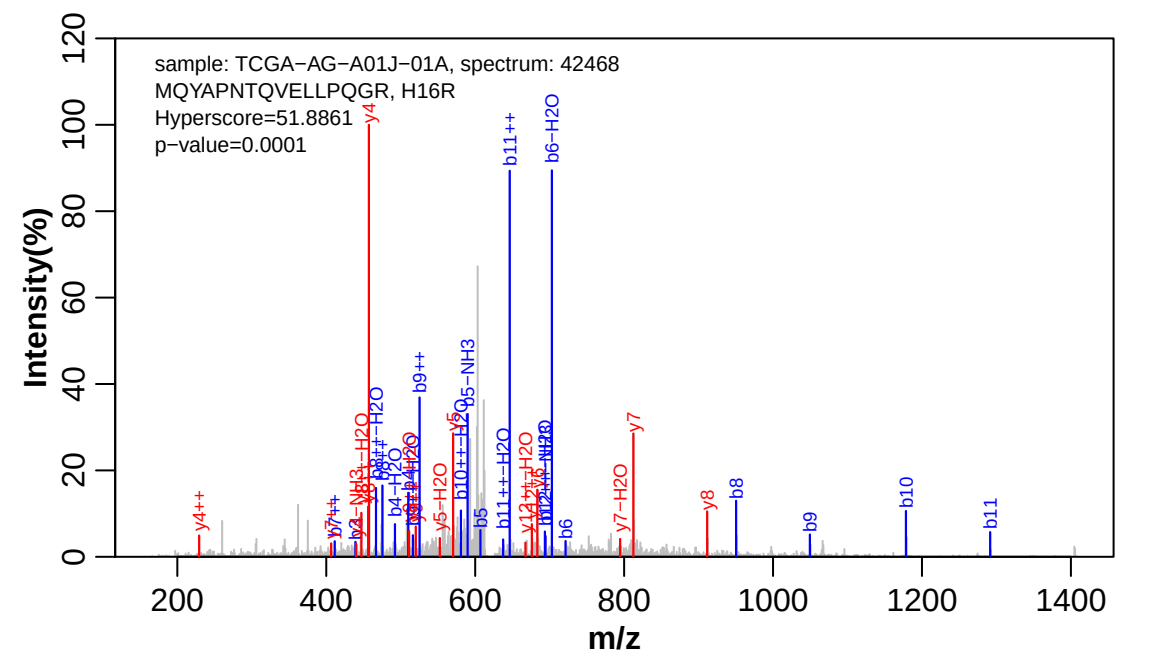

sample: TCGA−AG−A01J−01A, spectrum: 54782
LLTQDEGPALVPGSR, G14S
Hyperscore=25.6889
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
y5
b5
y6
b6−H2O
b6
b7−H2O
b7
y8
y9
b8
b9−NH3
b9
y10
b10−H2O
b10
y11
b11−NH3−H2O
b11

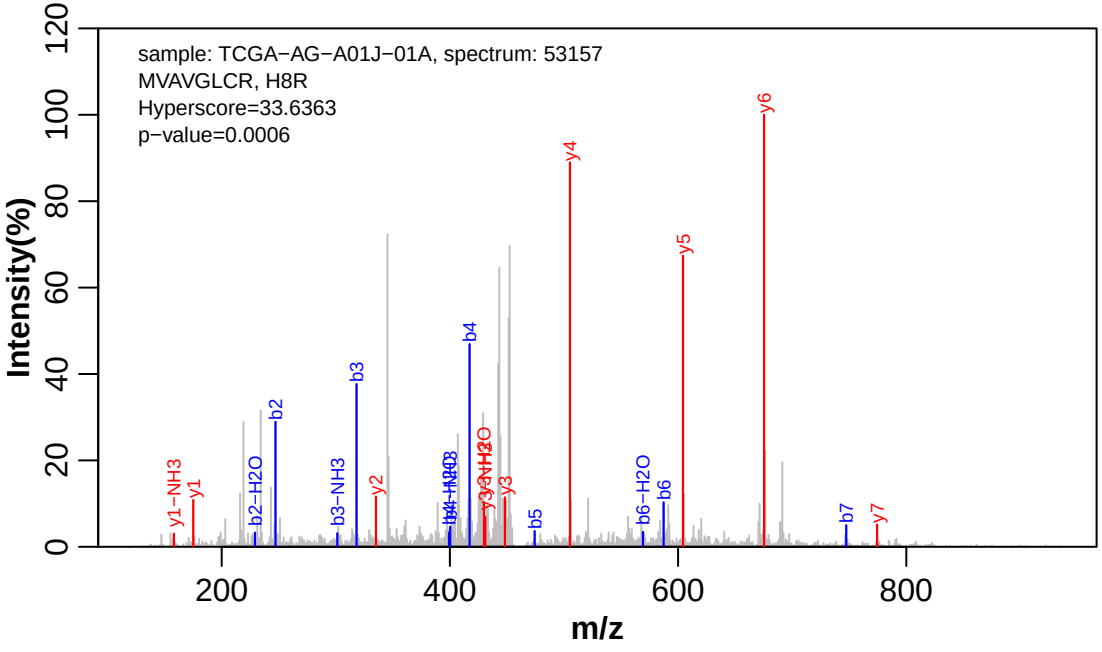

sample: TCGA−AG−A01J−01A, spectrum: 111312
LQELTPSSGDPGEHDPASTHK, P4L
Hyperscore=29.9359
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3
b4
b5−H2O
b6
y6−H2O
y6
y12++
y11++
y14++−H2O
y14++
y16++−H2O
y16++
y17++
y18++−H2O
y18++
y19++−H2O
y19++
b10
y11

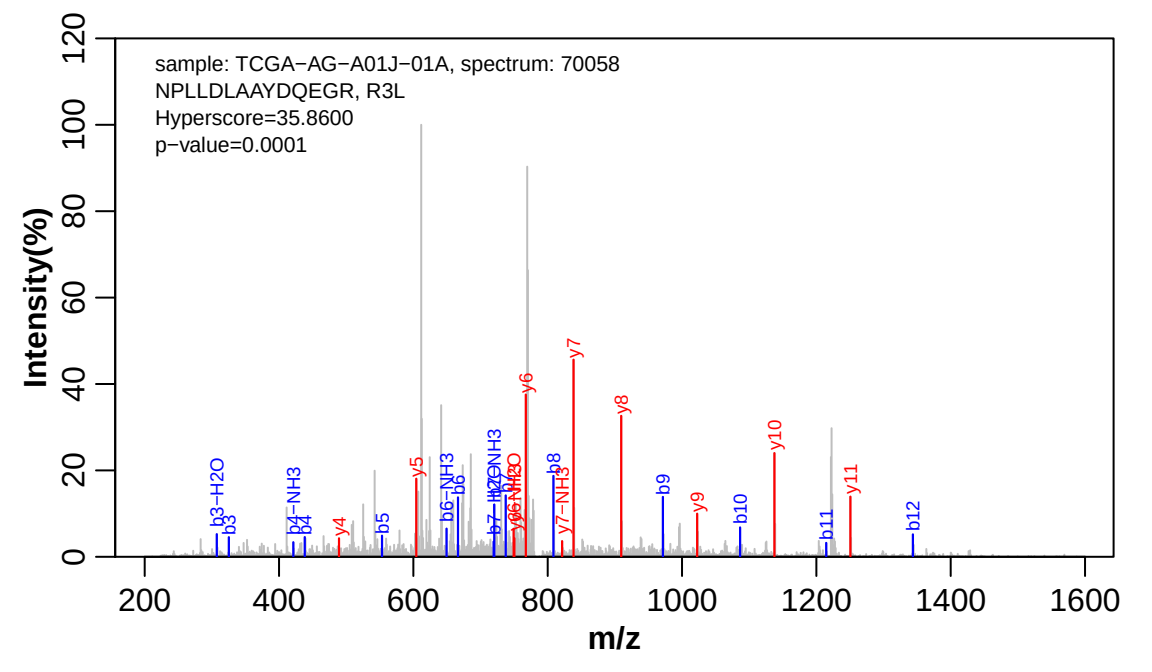

sample: TCGA−AG−A01J−01A, spectrum: 138624
LQHLVNELTHDLLTK, E5V
Hyperscore=58.3465
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10++
y14+++−H2O
b5++
b11+++−H2O
b12++
b13++

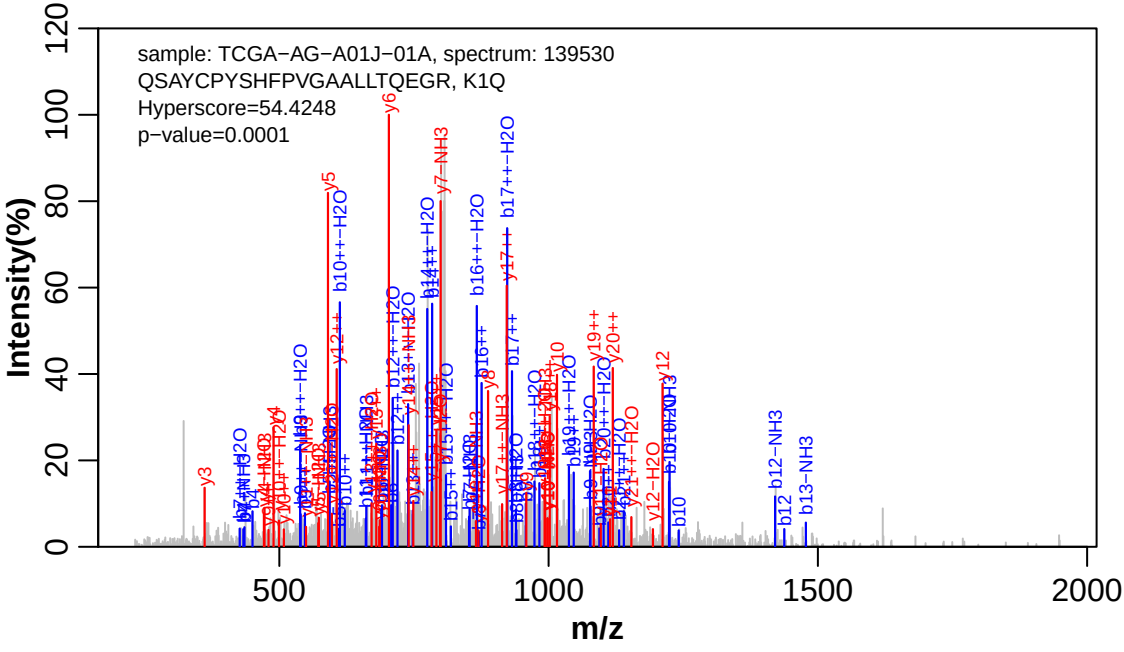

sample: TCGA−AG−A01J−01A, spectrum: 164583
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.9265
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y9++
b5
y10++
y11++
y12++−H2O
b13++−H2O
y13++
y14++−NH3
y7−NH3
y15++−H2O
y14++
y15++

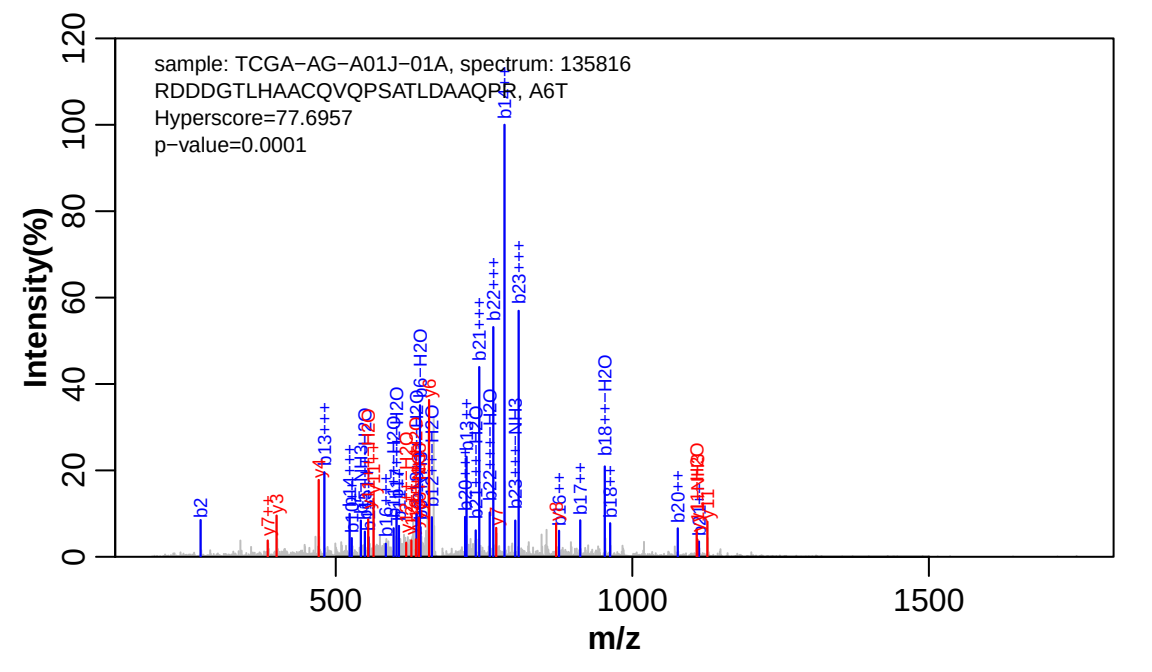

sample: TCGA−AG−A01J−01A, spectrum: 91809
LTEFCHGFLEGK, R7G
Hyperscore=36.8892
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3−H2O
y3
b3
y4
b4−NH3
b4
y5
y6−H2O
b5
y6
b6/y7
b7
y8−NH3
y8
b8−H2O
b8
y9−H2O
y9
b9
b10−NH3
b10
b11

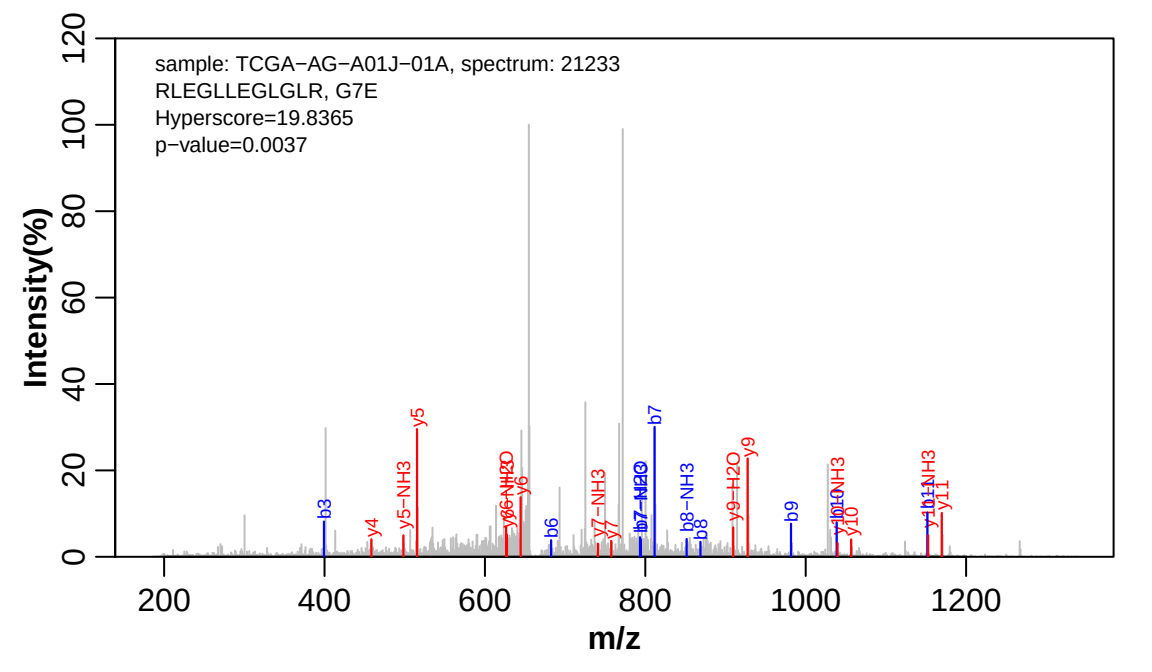

sample: TCGA−AG−A01J−01A, spectrum: 42468
MQYAPNTQVELLPQGR, H16R
Hyperscore=51.8861
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
b11++
b6−H2O
b9++
b5−NH3
y4++
y7++
y5−H2O
b10++−H2O
b11++−H2O
b5
b6
y7−H2O
y7
y8
b8
b9
b10
b11

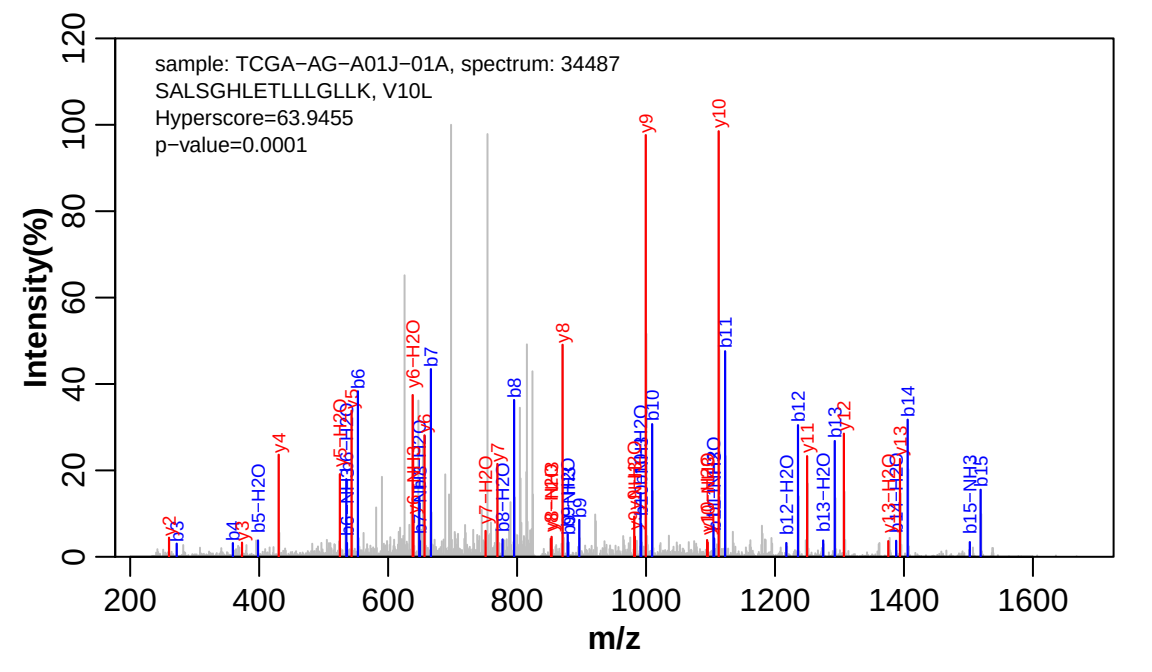

sample: TCGA−AG−A01J−01A, spectrum: 53157
MVAVGLCR, H8R
Hyperscore=33.6363
p−value=0.0006
Intensity(%)
m/z
y1−NH3
y1
b2−H2O
b2
b3−NH3
b3
y2
b4
y3−NH3
y3−H2O
y3
b5
b6−H2O
b6
y4
y5
y6
b7
y7

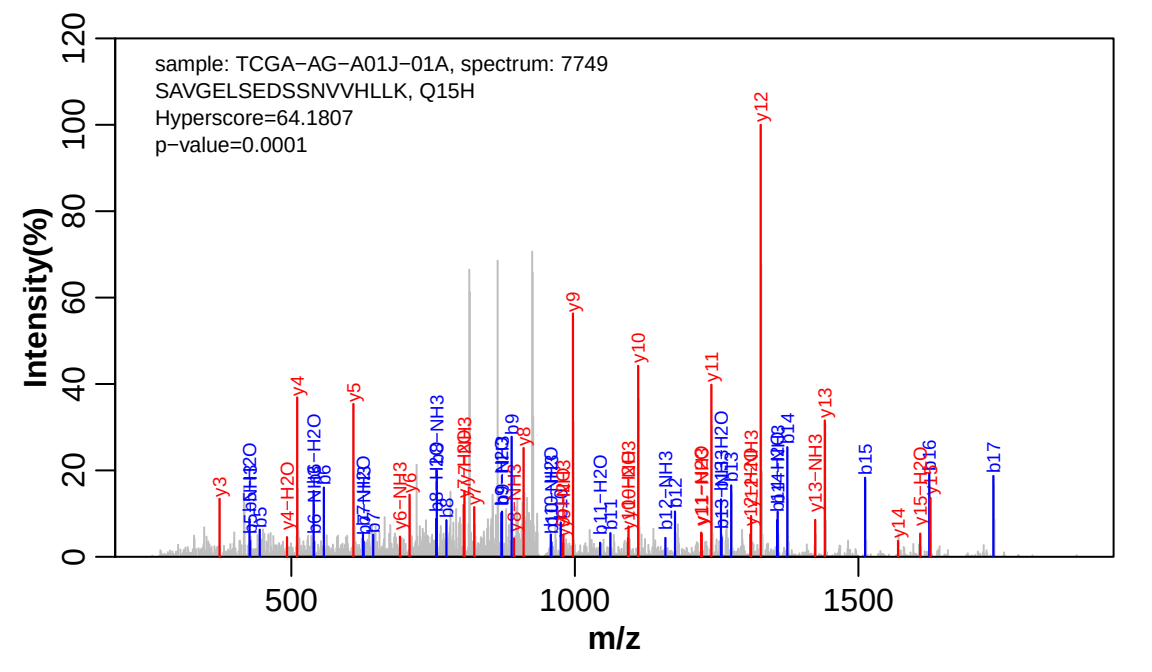

sample: TCGA−AG−A01J−01A, spectrum: 70058
NPLLDLAAYDQEGR, R3L
Hyperscore=35.8600
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
b4−NH3
b4
y4
b5
y5
b6−NH3
b6
b7−H2O−NH3
b7−H2O
b7−NH3
y6−NH3
y6−H2O
y6
b8
y7−NH3
y7
y8
b9
y9
y10
b10
b11
y11
b12

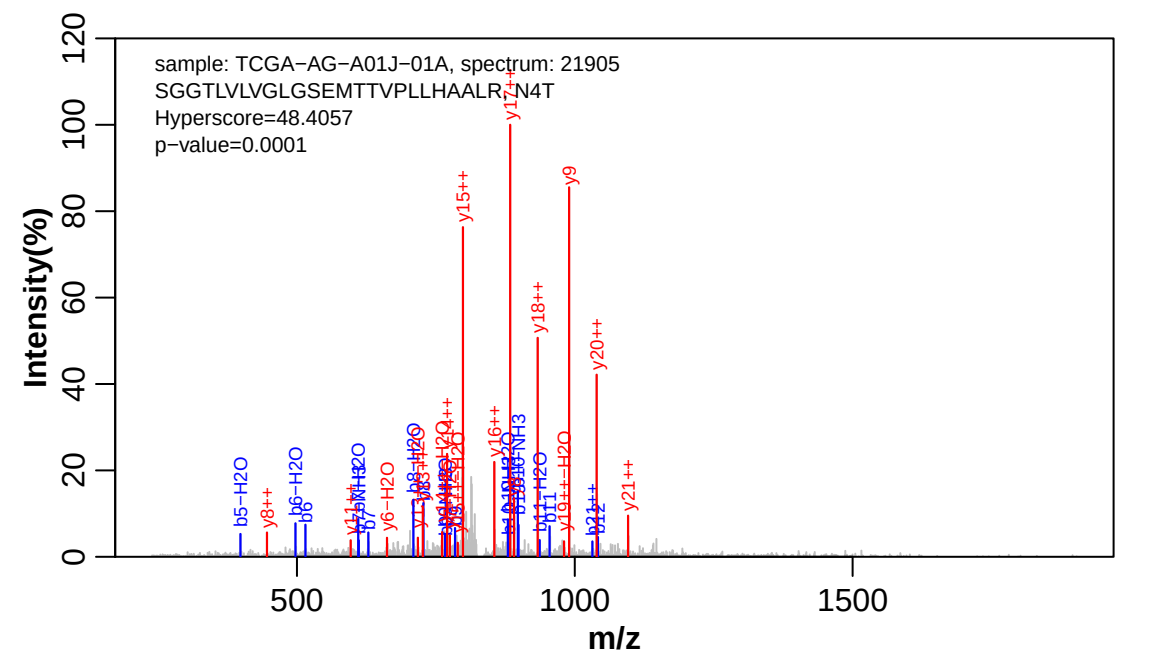

sample: TCGA−AG−A01J−01A, spectrum: 139530
QSAYCPYSHFPVGAALLTQEGR, K1Q
Hyperscore=54.4248
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6
y5
y7−NH3
b10++−H2O
b14++−H2O
b16++−H2O
y17++
b17++−H2O
y12++
b17++
y19++
y20++
y3
b12−NH3
b13−NH3
y12−H2O
b10

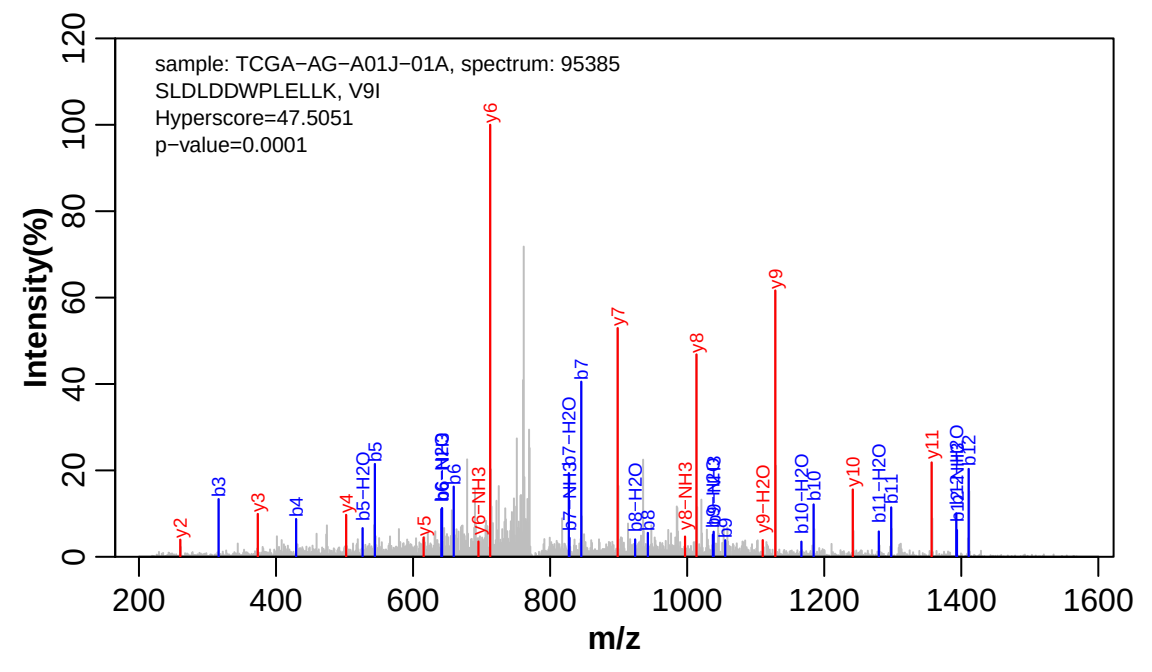

sample: TCGA−AG−A01J−01A, spectrum: 135816
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=77.6957
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
v7++
v4
b13+++
b12+++
b11+++
b10+++
b9+++
b8+++
b7+++
b6+++
b5+++
b4+++
b3+++
b16+++
b15+++
b14+++
b17+++
b18+++
b19+++
b20+++
b21+++
b22+++
b23+++
b24+++
b25+++
b26+++
b27+++
b28+++
b29+++
b30+++
b31+++
b32+++
b33+++
b34+++
b35+++
b36+++
b37+++
b38+++
b39+++
b40+++
b41+++
b42+++
b43+++
b44+++
b45+++
b46+++
b47+++
b48+++
b49+++
b50+++
b51+++
b52+++
b53+++
b54+++
b55+++
b56+++

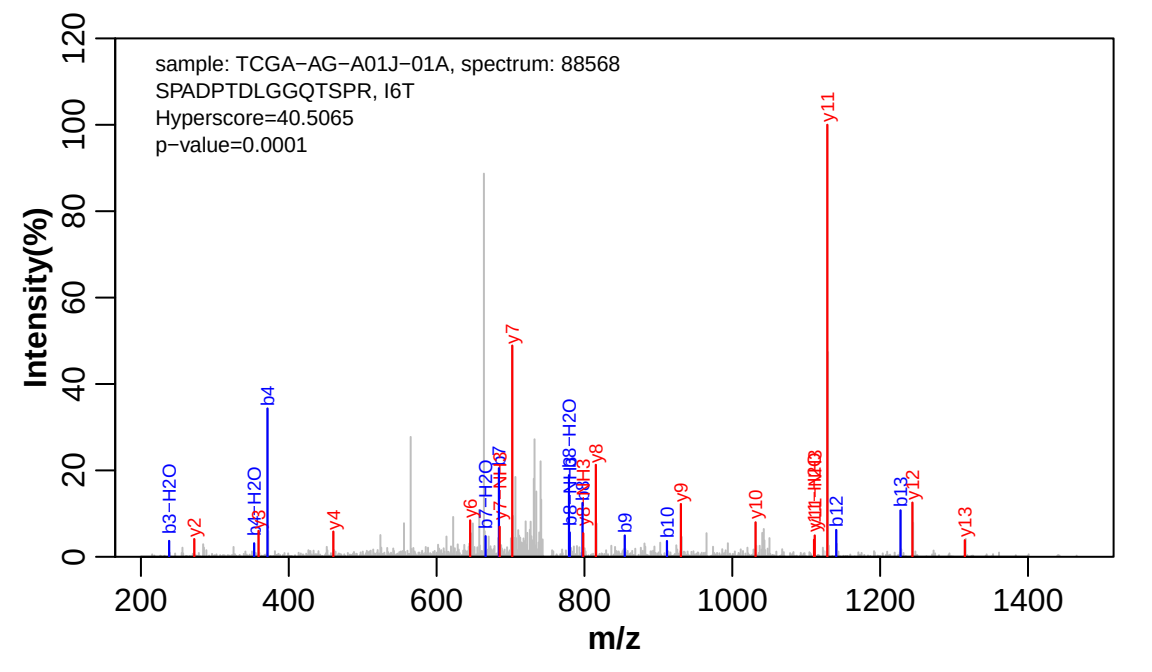

sample: TCGA−AG−A01J−01A, spectrum: 21233
RLEGLLEGLGLR, G7E
Hyperscore=19.8365
p−value=0.0037
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
y4
y5−NH3
y5
b6
y7−NH3
y7
b7
b8−NH3
b8
y9−H2O
y9
b9
y10−NH3
y10
y11−NH3
y11

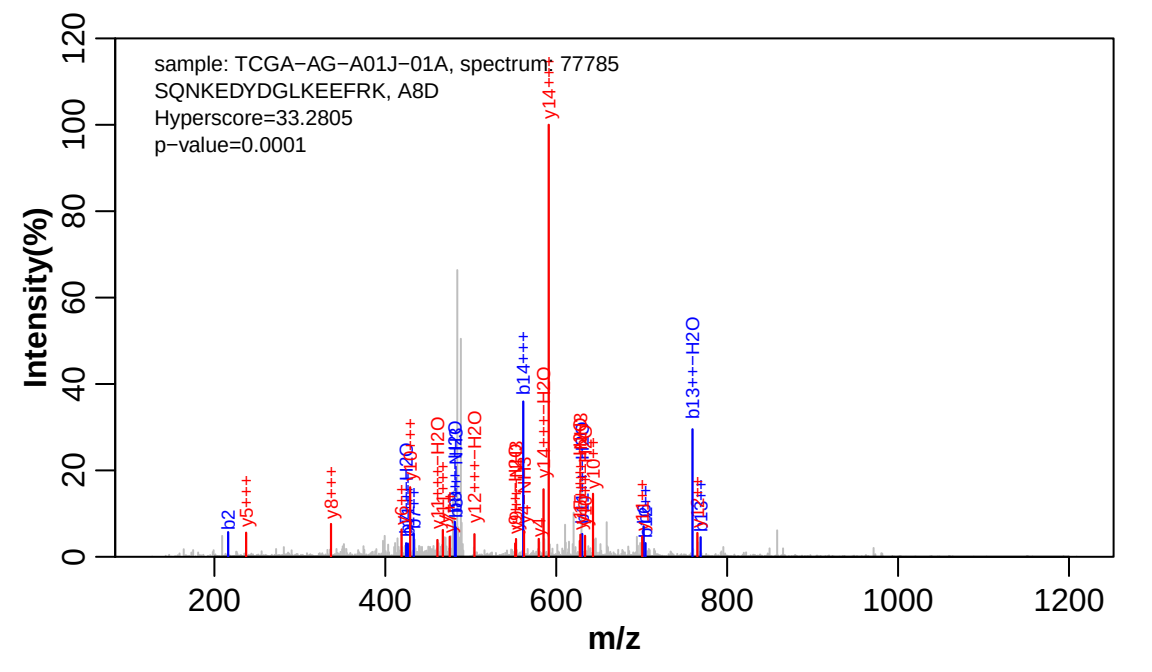

sample: TCGA−AG−A01J−01A, spectrum: 34487
SALSGHLETLLLGLLK, V10L
Hyperscore=63.9455
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y10
y8
b11
b10
b8
b7
b6
y6−H2O
y4
b5−H2O
b12
y11
b13
y12
b14
b15−NH3
b12−H2O
b13−H2O

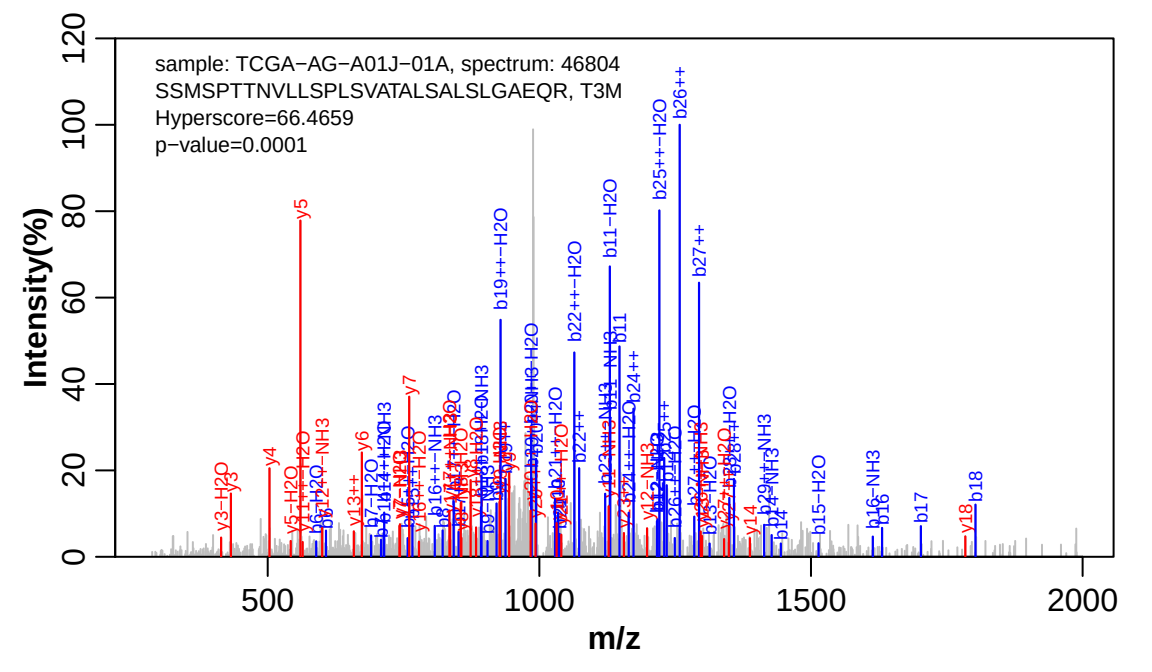

sample: TCGA−AG−A01J−01A, spectrum: 7749
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=64.1807
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y9
y10
y11
y4
y5
y3
y13
b15
b17
y14
y15−H2O
y13−NH3
y4−H2O
y6−NH3
b11−H2O
b12−NH3

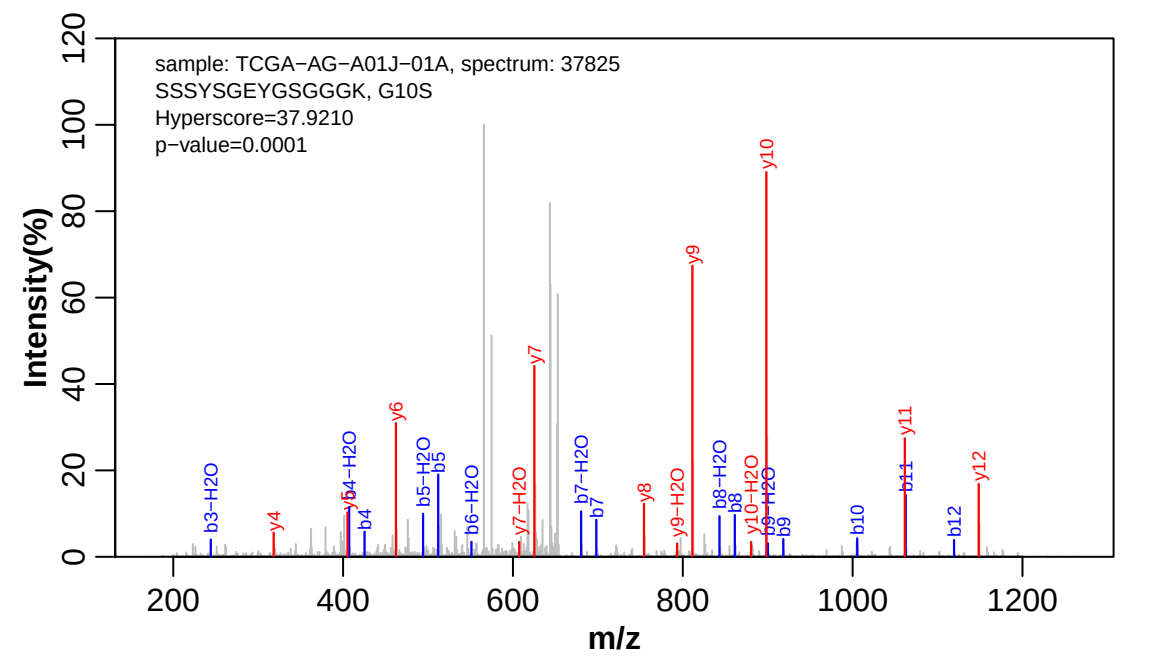

sample: TCGA−AG−A01J−01A, spectrum: 21905
SGGTLVLVGLGSEMTTVPLLHAALRLN4T
Hyperscore=48.4057
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5−H2O
y8++
b6−H2O
b6
y6−H2O
y15++
y17++
y9
y18++
y20++
y16++
y21++
b12++
b11−H2O
y9++−H2O

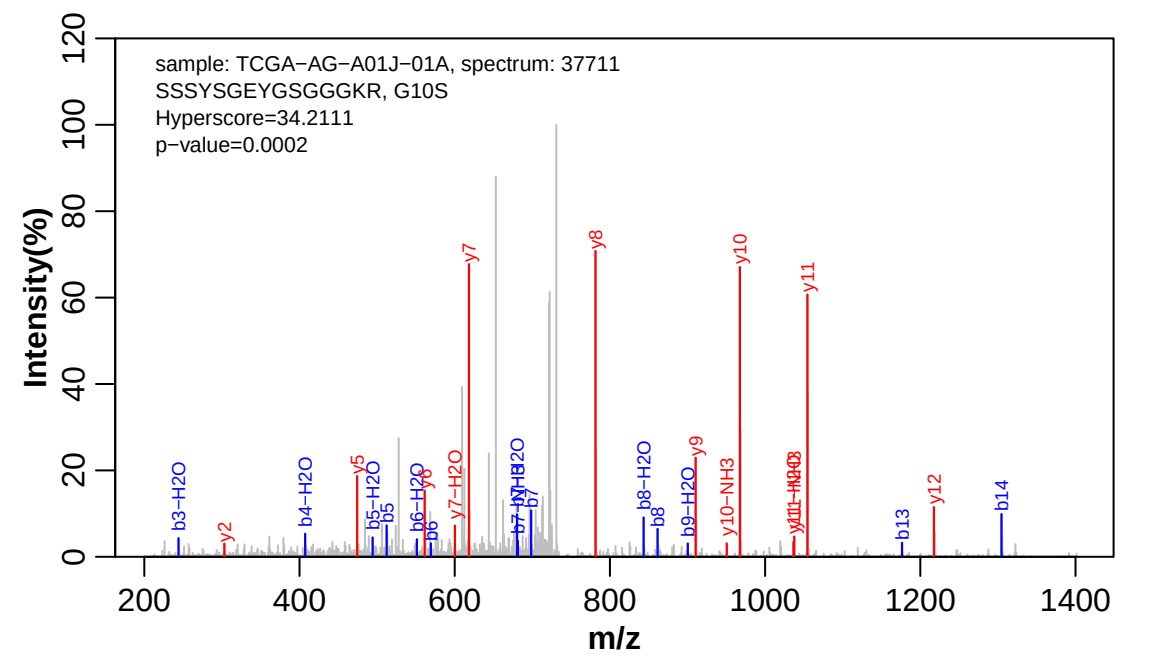

sample: TCGA−AG−A01J−01A, spectrum: 95385
SLDLDDWPLELLK, V9I
Hyperscore=47.5051
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
y3
b4
y4
b5−H2O
b5
y5
b6−NH3
b6
y6−NH3
y6
b7−NH3
b7−H2O
b7
b8−H2O
b8
y8−NH3
y8
b9−NH3
b9
y9−H2O
y9
y7
b10−H2O
b10
y10
b11−H2O
b11
y11
b12

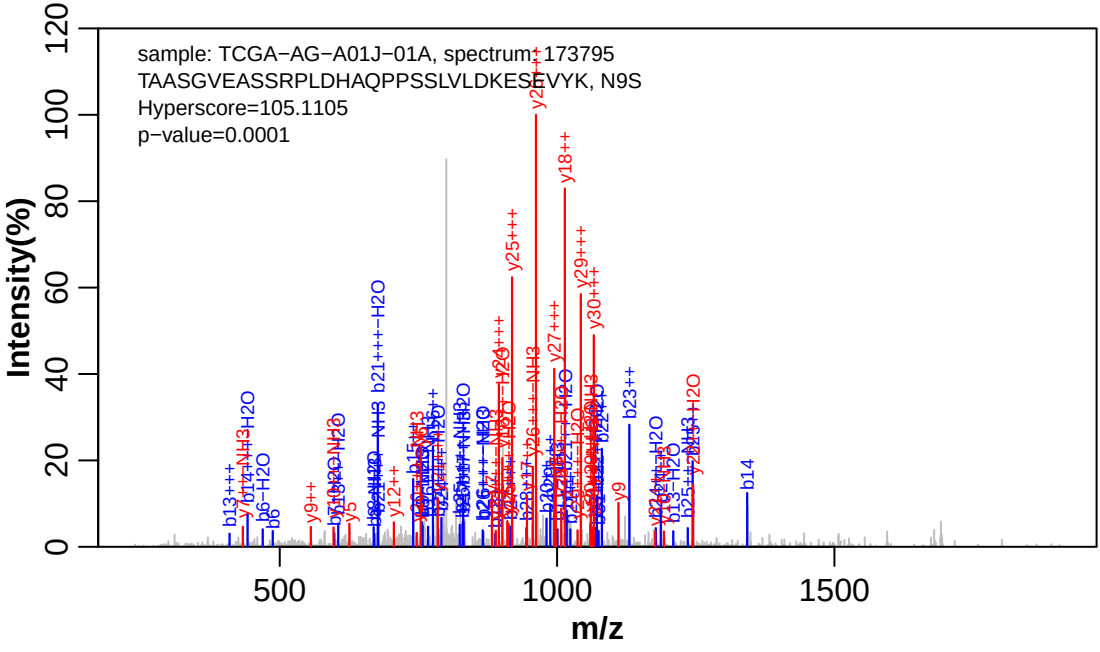

sample: TCGA−AG−A01J−01A, spectrum: 88568
SPADPTDLGGQTSPR, I6T
Hyperscore=40.5065
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
y2
b4
y4
y7
y8
b9
b10
y9
y10
b12
y11
y12
y13

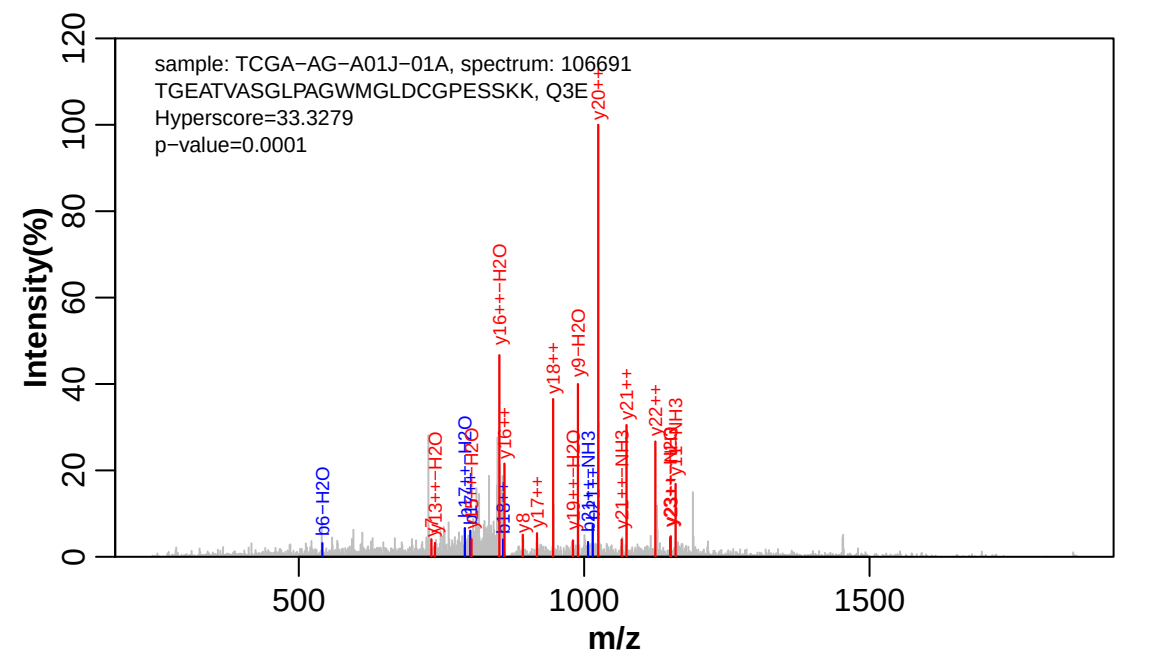

sample: TCGA−AG−A01J−01A, spectrum: 77785
SQNKEDYDGLKEEFRK, A8D
Hyperscore=33.2805
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y5+++
y8+++
y12+++−H2O
b14+++
y14++−H2O
y14+++
b13++−H2O

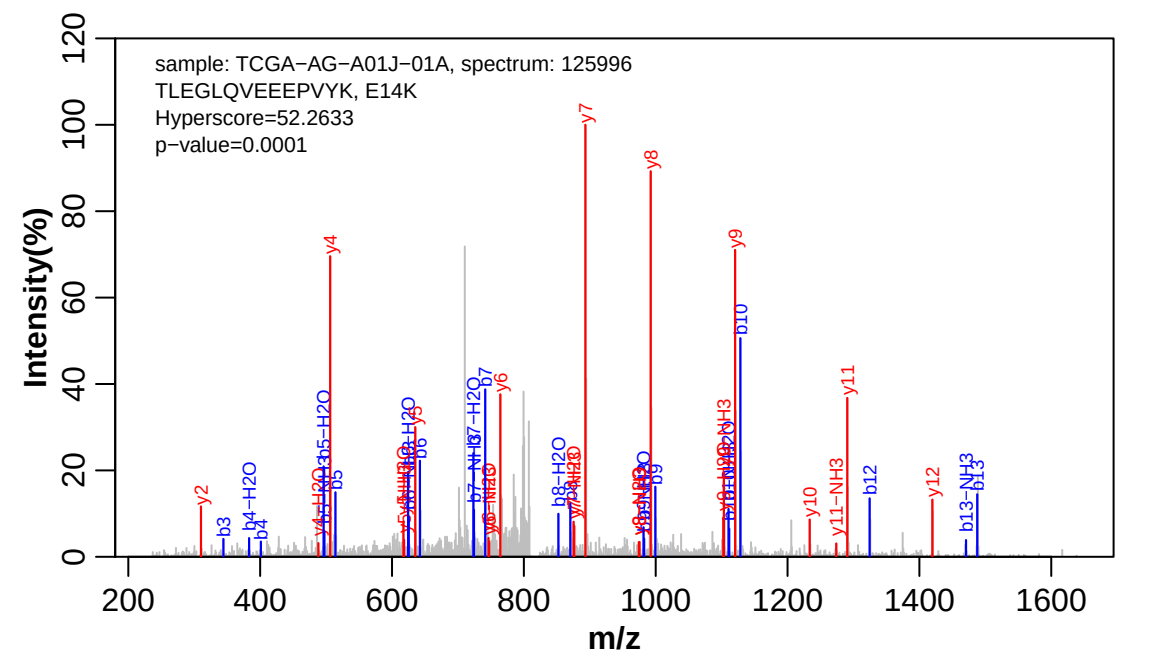

sample: TCGA−AG−A01J−01A, spectrum: 46804
SSMSPTTNVLLSPLSVATALSALSLGAEQR, T3M
Hyperscore=66.4659
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
y4
y3
y3−H2O
y5−H2O
y5−NH3
y6
y6−H2O
y6−NH3
y7
y7−H2O
y7−NH3
y13++
b11−H2O
b19++−H2O
b22++−H2O
b11−H2O
b24++
b25++−H2O
b26++
b27++
b15−H2O
b16−NH3
b17
b18
y18

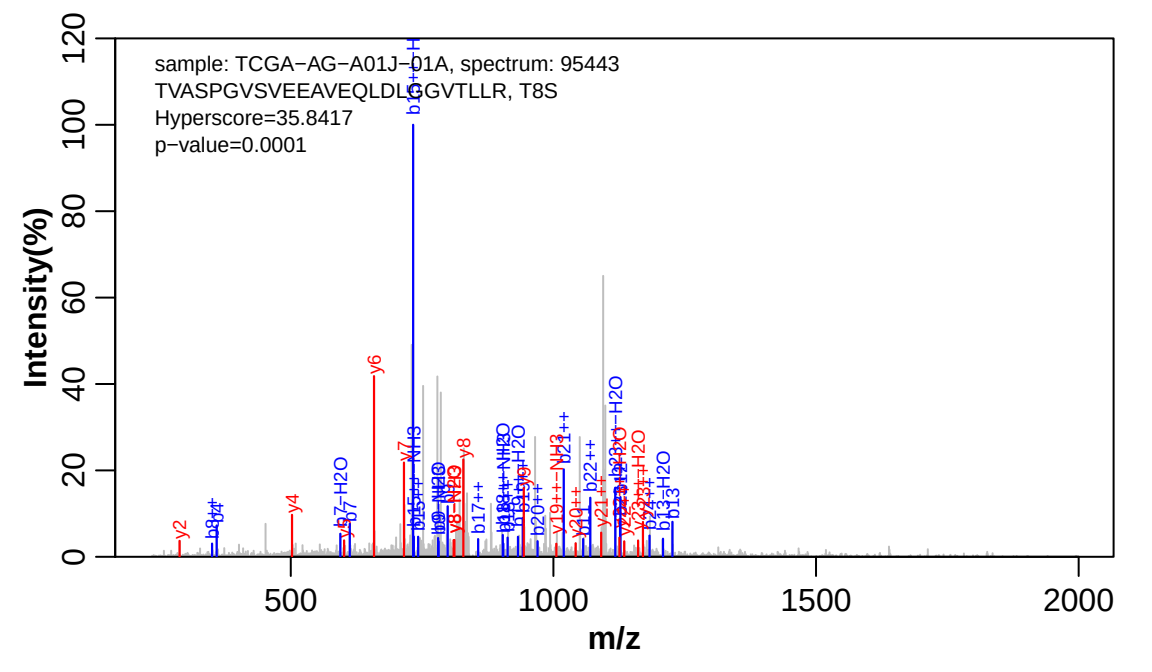

sample: TCGA−AG−A01J−01A, spectrum: 37825
SSSYSGEYGSGGGK, G10S
Hyperscore=37.9210
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
y5−H2O
b4
y6
b5−H2O
b5
b6−H2O
y7−H2O
y7
b7−H2O
b7
y8
y9−H2O
y9
b8−H2O
b8
y10−H2O
b9−H2O
b9
y10
b10
b11
y11
b12
y12

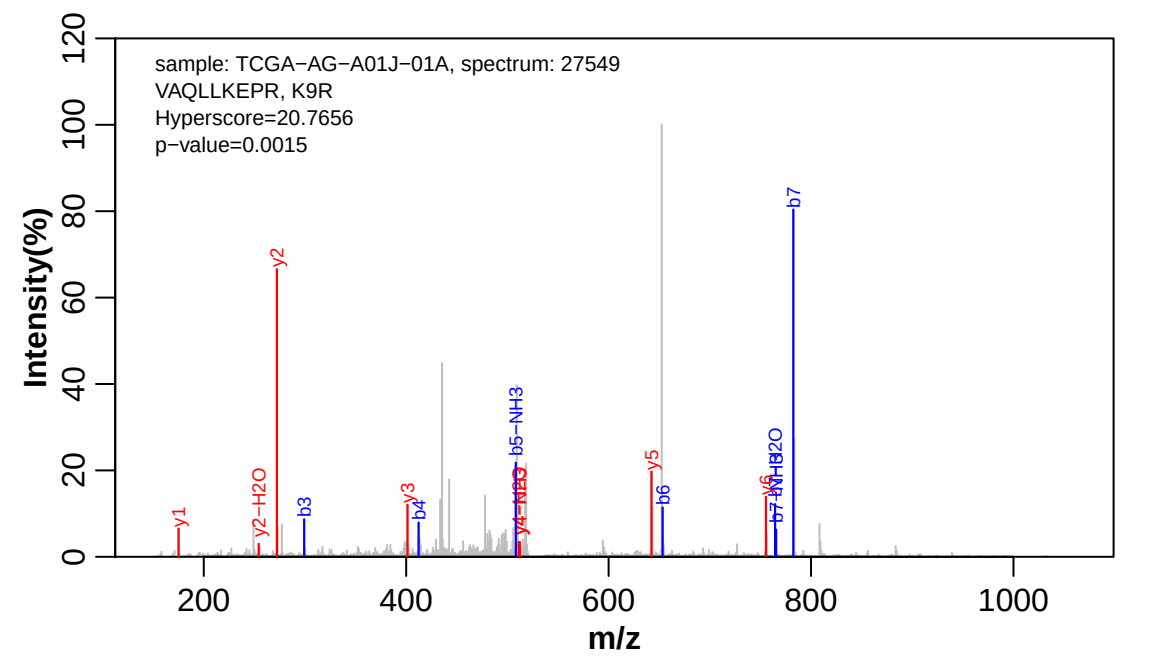

sample: TCGA−AG−A01J−01A, spectrum: 37711
SSSYSGEYGSGGGKR, G10S
Hyperscore=34.2111
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
y2
b4−H2O
y5
b5−H2O
b5
b6−H2O
y6
b6
y7−H2O
y7
b7−NH3
b7−H2O
b7
y8
b8−H2O
b8
b9−H2O
y9
y10−NH3
y10
y11−NH3
y11−H2O
y11
b13
y12
b14

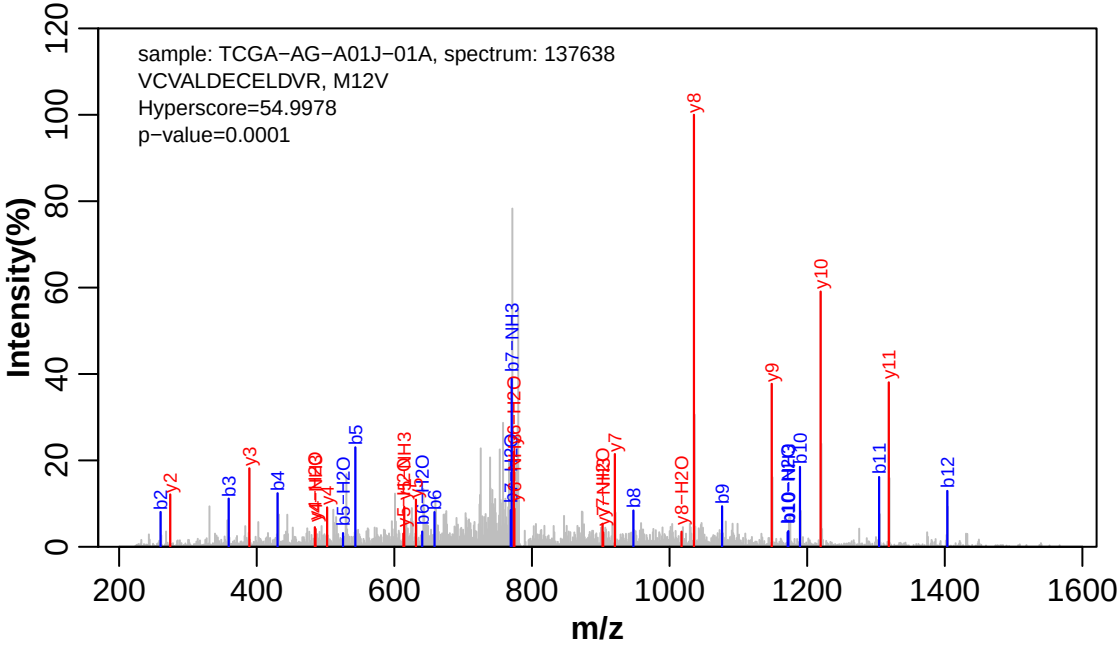

sample: TCGA−AG−A01J−01A, spectrum: 173795
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=105.1105
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y25+++
y18++
y29+++
y30+++
y27+++
b23++
b14
y9
y9++
y12++
b13+++
b8
b8−H2O
y5
y21++−H2O
b21+++−H2O

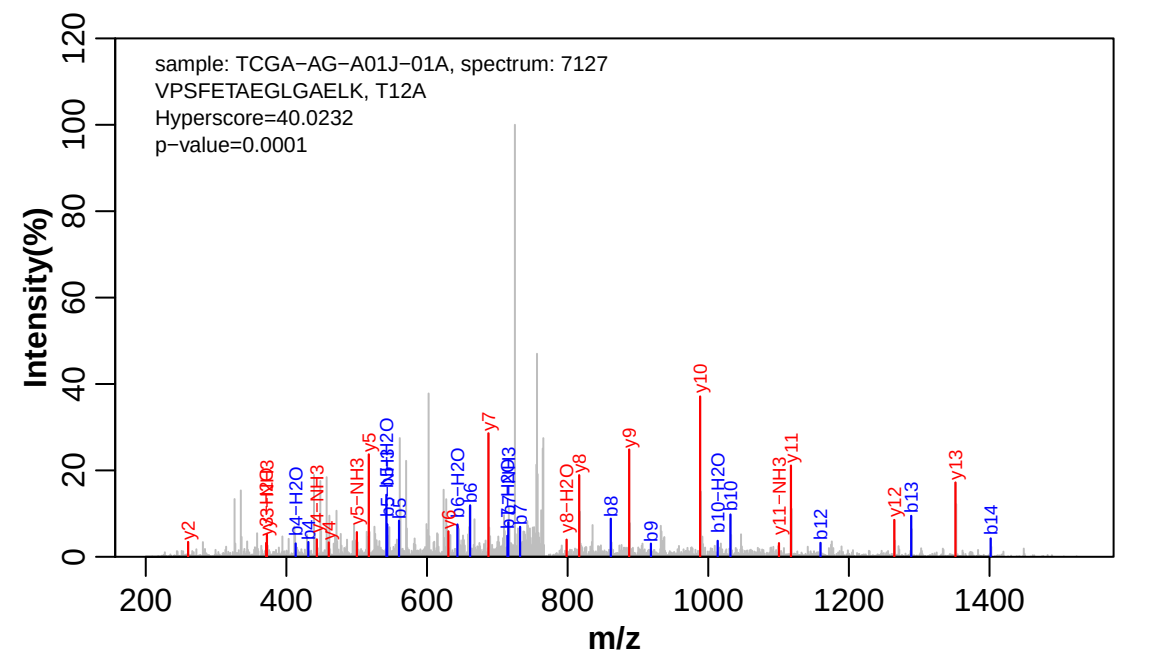

sample: TCGA−AG−A01J−01A, spectrum: 106691
TGEATVASGLPAGWMGLDCGPESSKK, Q3E
Hyperscore=33.3279
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y20++
y16++−H2O
y18++
y9−H2O
y16++
y21++
y22++
y8
y17++
b6−H2O
y13++−H2O
y21++−NH3
y21++−NH3

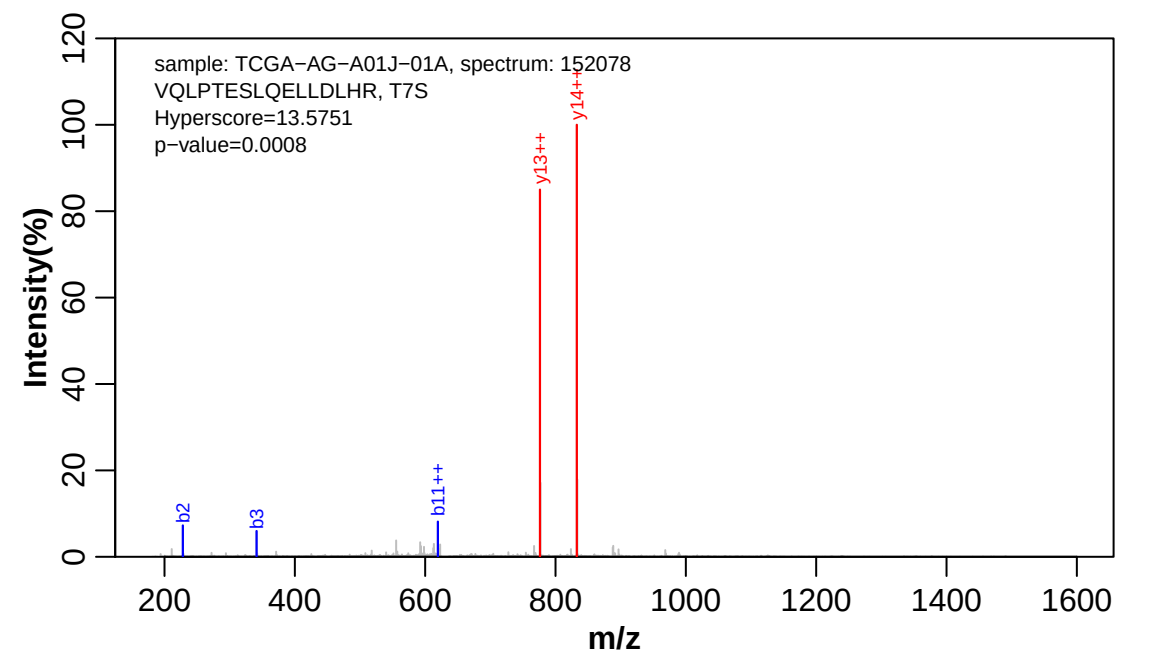

sample: TCGA−AG−A01J−01A, spectrum: 125996
TLEGLQVEEEPVYK, E14K
Hyperscore=52.2633
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y8
y4
y9
b10
y11
y6
y5
b7−H2O
b7−NH3
b8−H2O
y2
b3
b4−H2O
b4
b5−H2O
b5
b6
b9
y10
y11−NH3
b12
y12
b13−NH3
b13

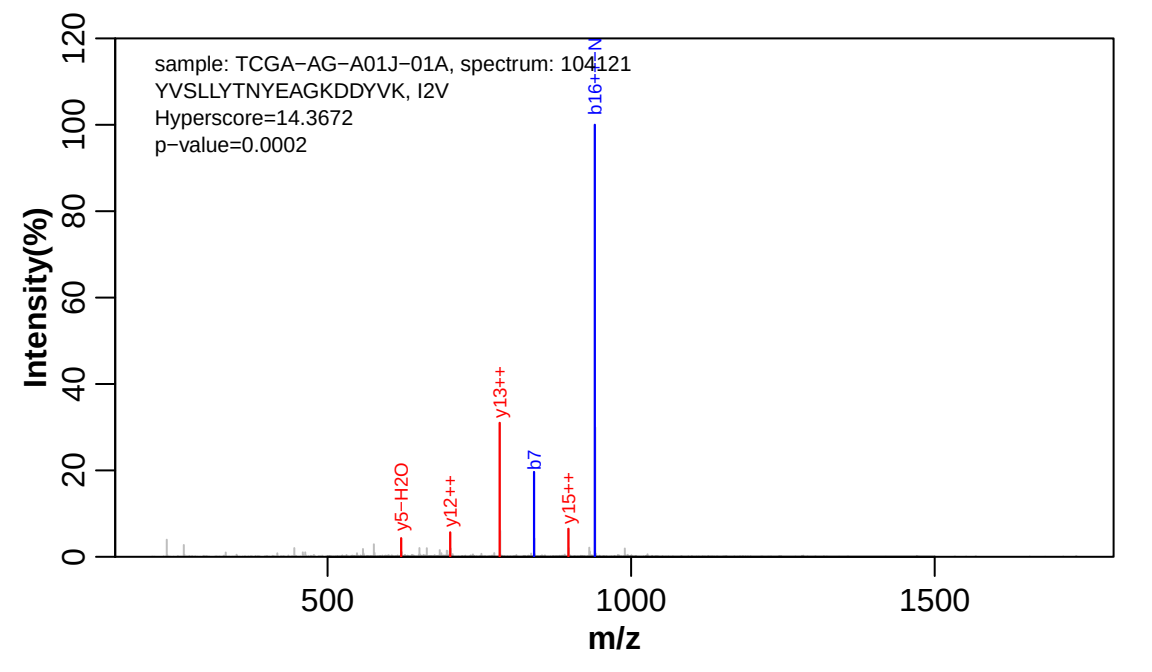

sample: TCGA−AG−A01J−01A, spectrum: 95443
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=35.8417
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y4
y6
y7
b17++
b20++
b21++
b22++
b13
b13−H2O

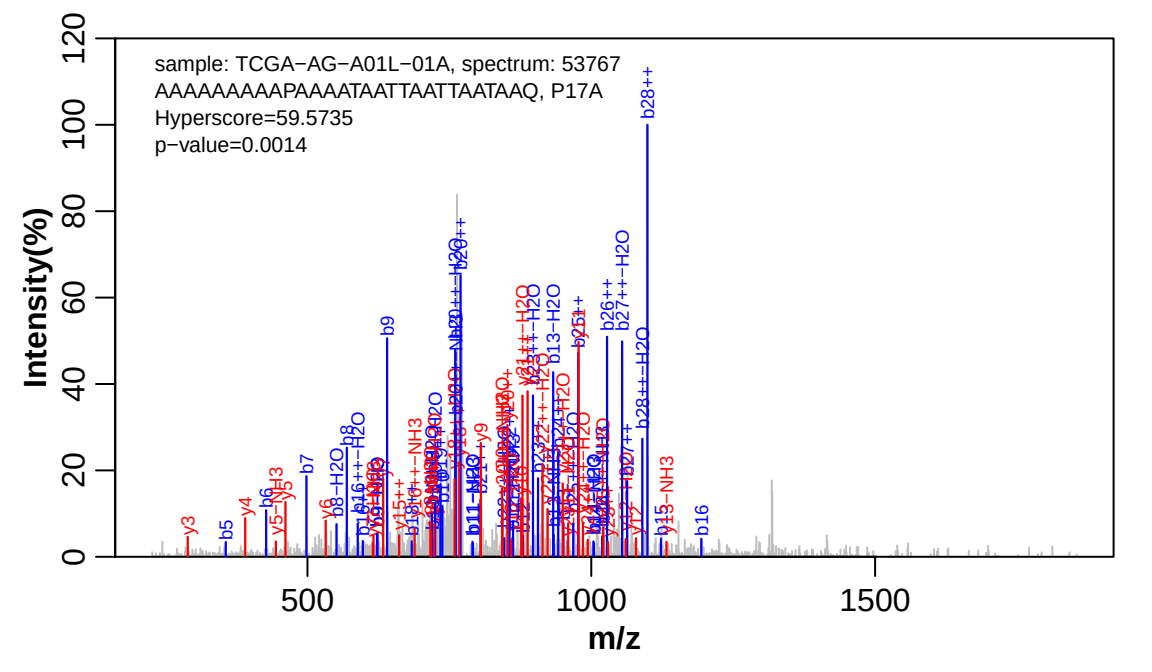

sample: TCGA−AG−A01J−01A, spectrum: 27549
VAQLLKEPR, K9R
Hyperscore=20.7656
p−value=0.0015
Intensity(%)
m/z
y1
y2
y2−H2O
b3
y3
b4
b5−NH3
y4−NH3
y5
b6
y6
b7−NH3
b7−H2O
b7

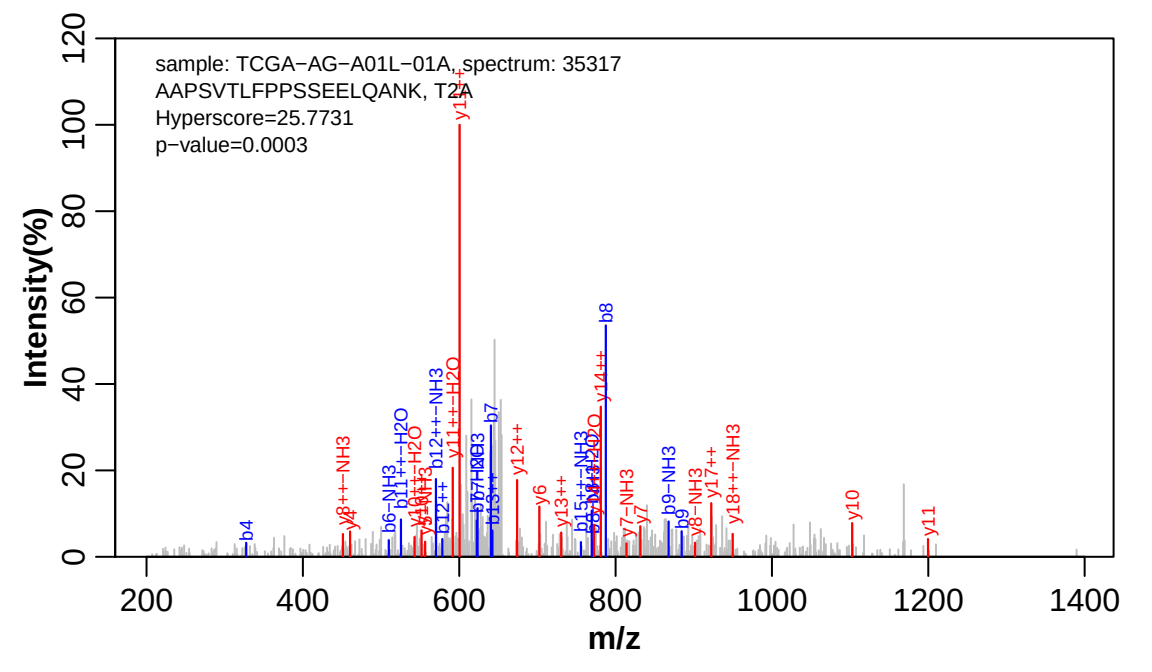

sample: TCGA−AG−A01J−01A, spectrum: 137638
VCVALDECELDVR, M12V
Hyperscore=54.9978
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y2
b3
y3
b4
b5
b5−H2O
b6
b6−H2O
b7−NH3
y7
y7−NH3
b8
y8
y8−H2O
b9
y9
b10
b10−NH3
y10
b11
y11
b12

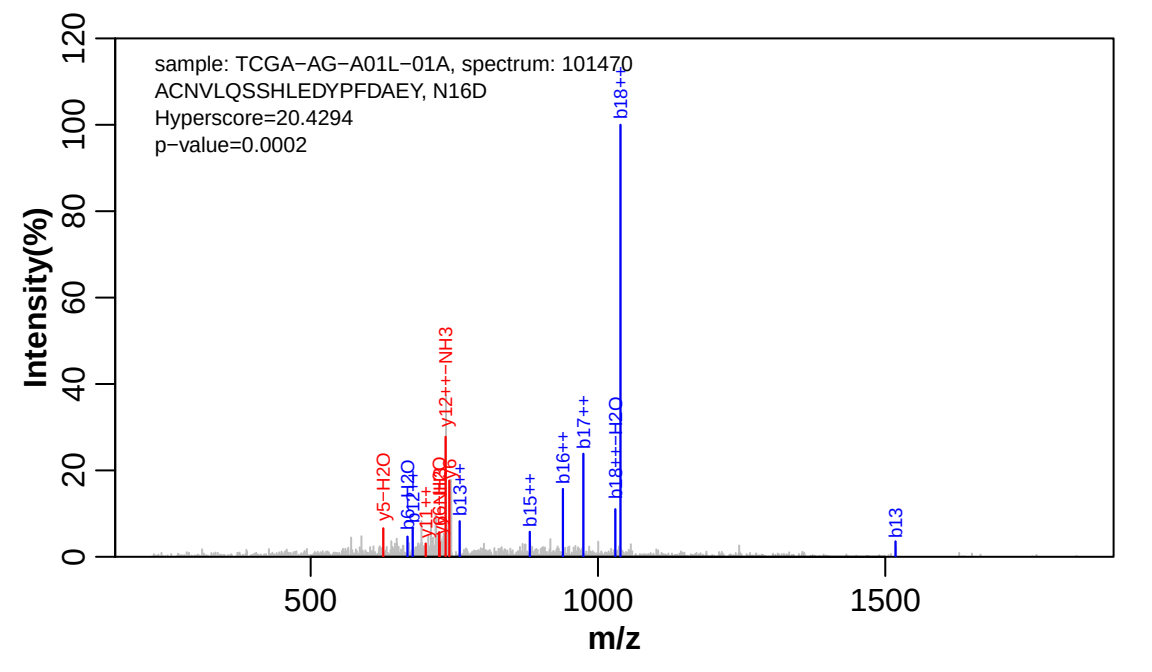

sample: TCGA−AG−A01J−01A, spectrum: 7127
VPSFETAEGLGAELK, T12A
Hyperscore=40.0232
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y5−NH3
y6−H2O
y7
y8−H2O
y8
b8
y9
b9
y10
b10−H2O
b10
y11−NH3
y11
b12
y12
b13
y13
b14

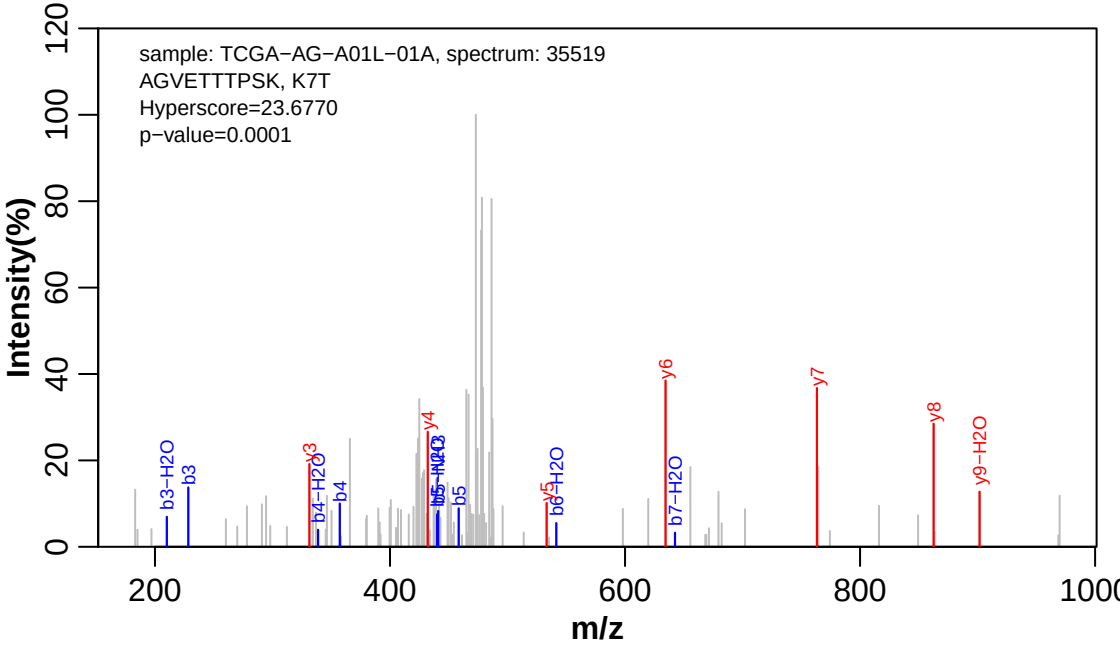

sample: TCGA−AG−A01J−01A, spectrum: 152078
VQLPTESLQELLDLHR, T7S
Hyperscore=13.5751
p−value=0.0008
y14++
y13++
b11++
b2
b3
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

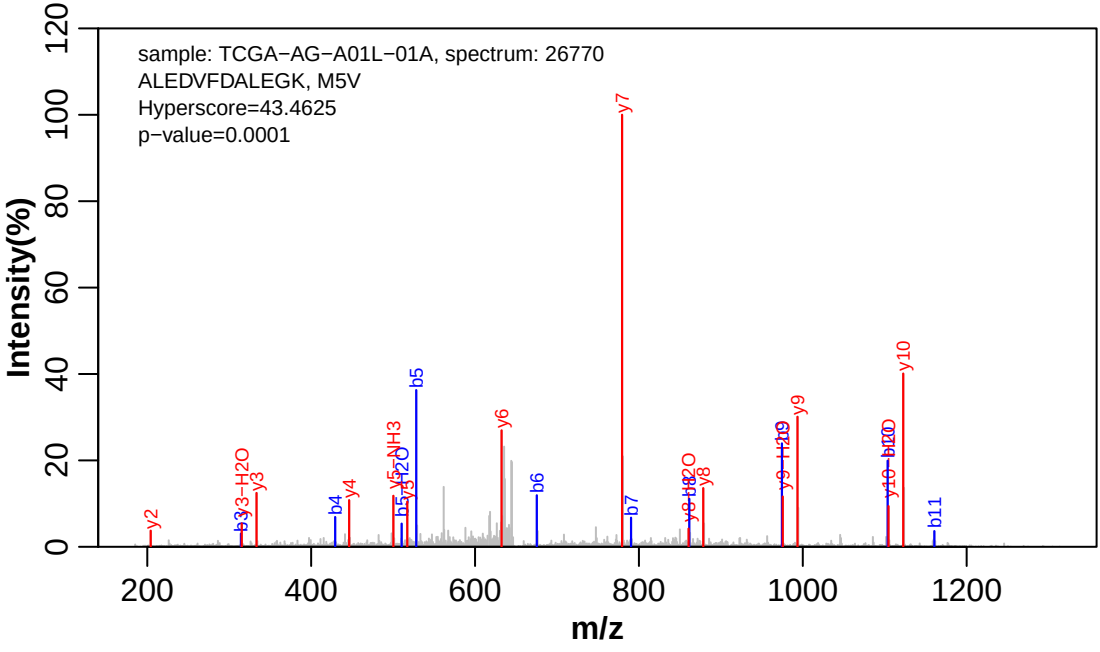

sample: TCGA−AG−A01J−01A, spectrum: 104121
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=14.3672
p−value=0.0002
b16+−N
y13++
b7
y15++
y12++
y5−H2O
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

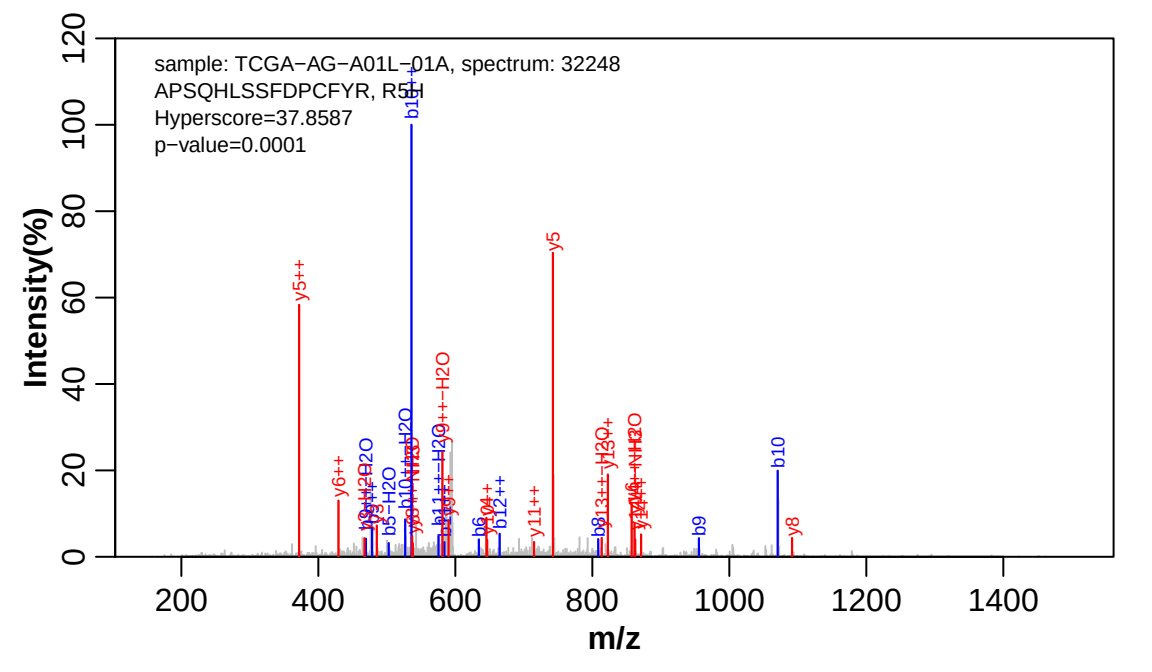

sample: TCGA−AG−A01L−01A, spectrum: 53767
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=59.5735
p−value=0.0014
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b28++
b9
b11−NH3
b20++
b20++−H2O
b13−H2O
b25++
b26++
b27++−H2O
b28++−H2O
b15−NH3
b16
y3
b5
y4
b6
y5−NH3
y5
b7
y6
b8−H2O
b8
y15++
y9

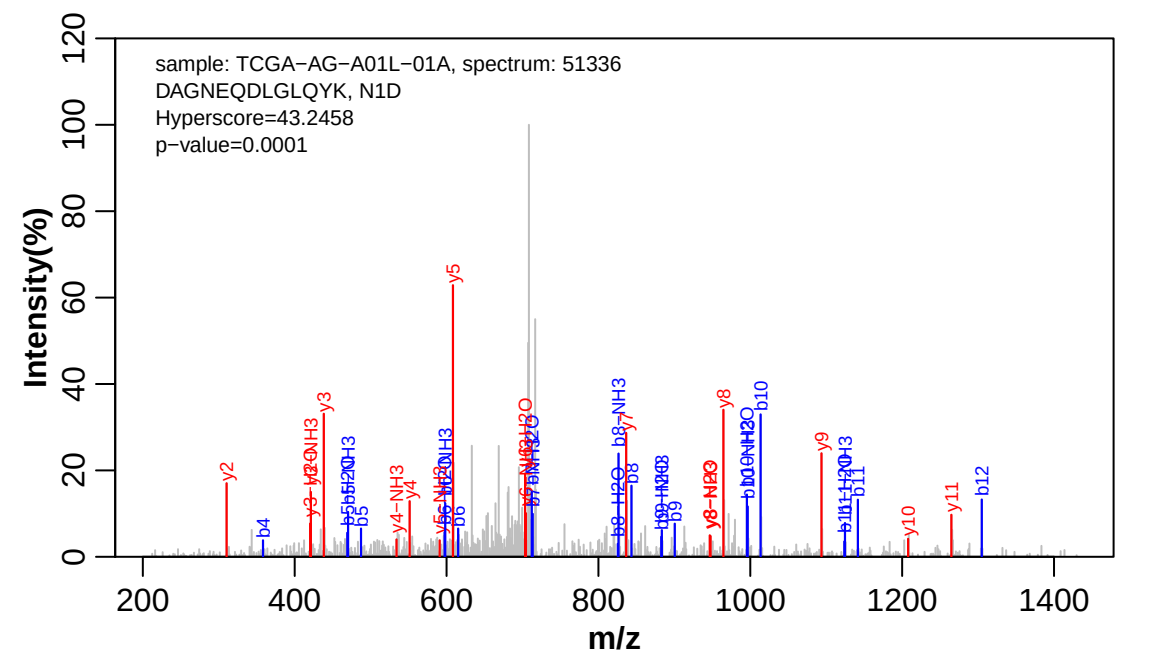

sample: TCGA−AG−A01L−01A, spectrum: 35317
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=25.7731
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y11++
b8
b7
y14++
y12++
y6
y13++
y10
y11

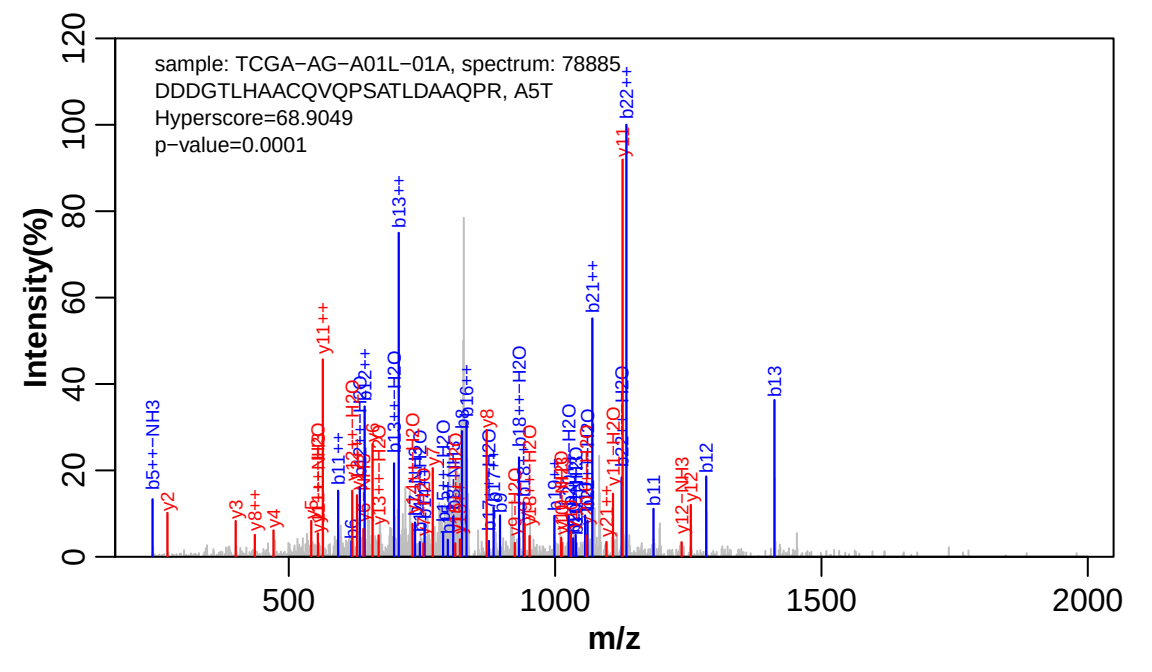

sample: TCGA−AG−A01L−01A, spectrum: 101470
ACNVLQSSHLEDYPFDAEY, N16D
Hyperscore=20.4294
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b18++
y12++−NH3
y5−H2O
b16++
b17++
b18++−H2O
b15++
b13++
b13

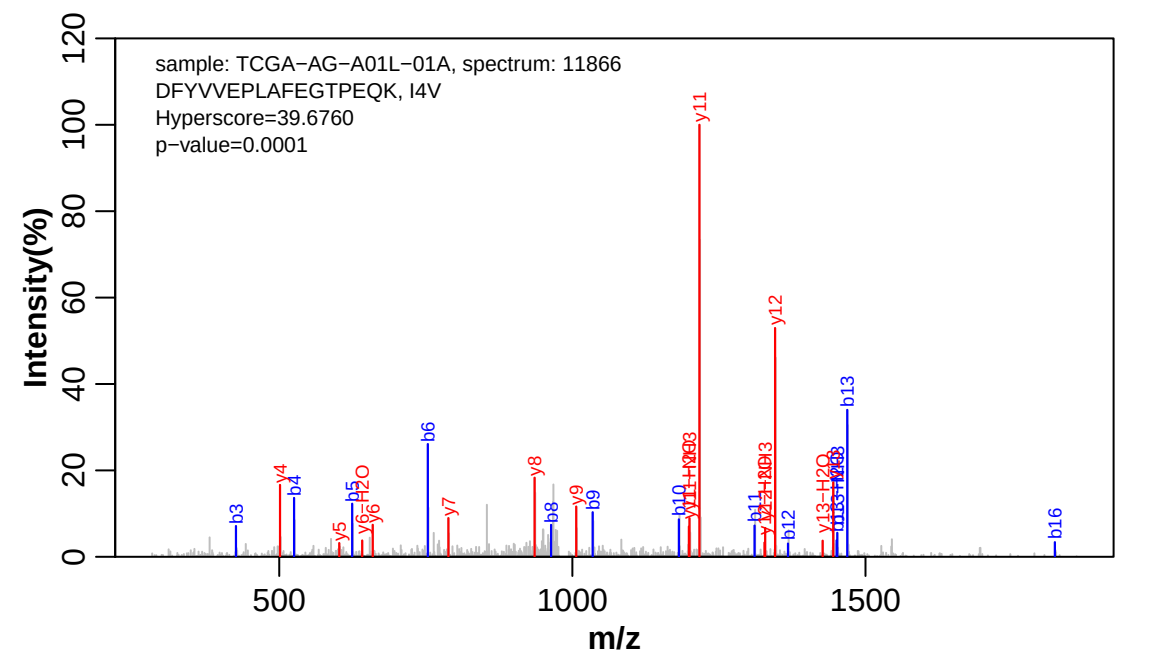

sample: TCGA−AG−A01L−01A, spectrum: 35519
AGVETTTPSK, K7T
Hyperscore=23.6770
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3−H2O
b3
b4−H2O
b4
b5
b6−H2O
y6
b7−H2O
y7
y8
y9−H2O

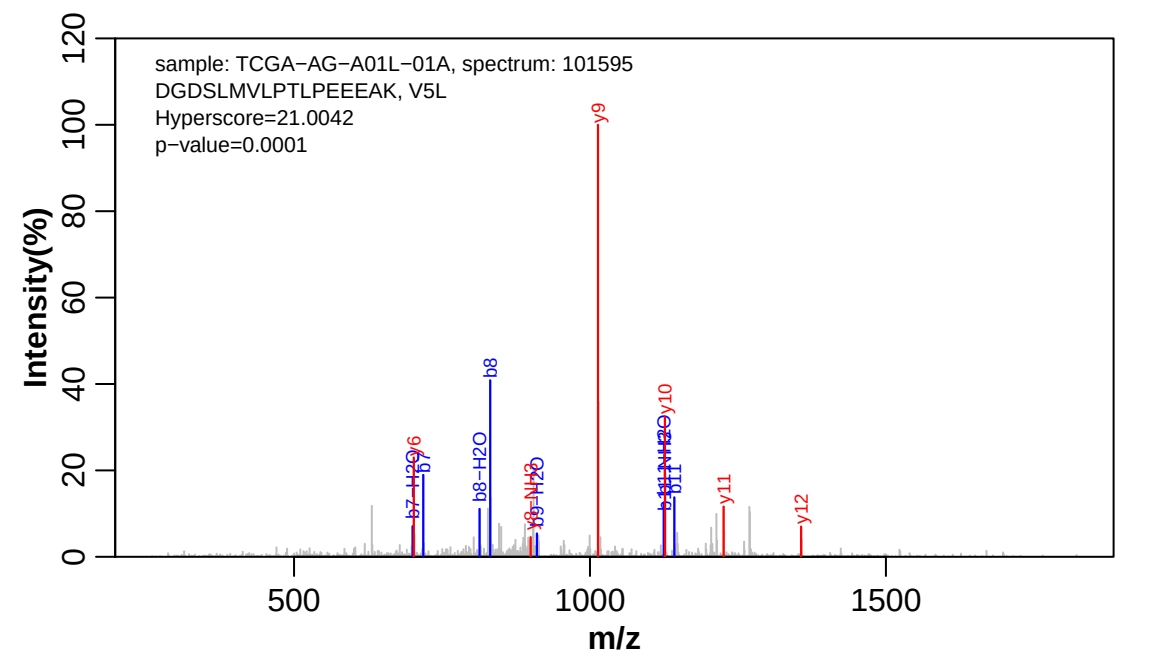

sample: TCGA−AG−A01L−01A, spectrum: 26770
ALEDVFDALEGK, M5V
Hyperscore=43.4625
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4
y4
b5
y6
b6
y7
b7
y8
y9
y10
b11

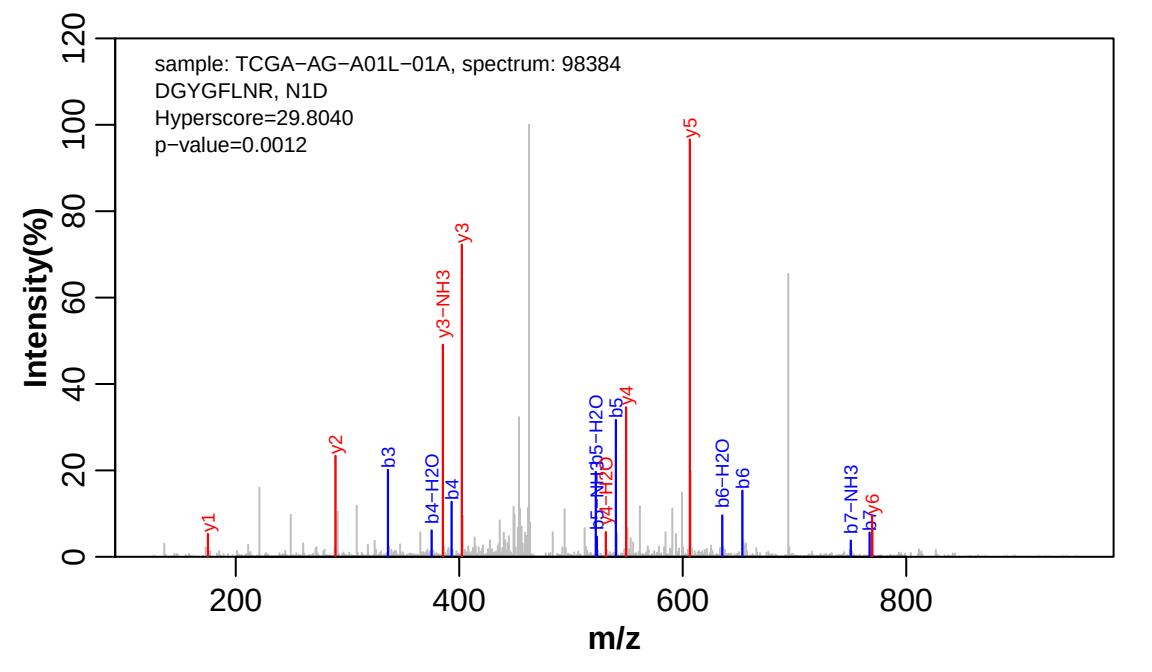

sample: TCGA−AG−A01L−01A, spectrum: 32248
APSQHLSSFDPCFYR, R5H
Hyperscore=37.8587
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b10
y8
b9
y5
y5++
b10++
y6++
y11++
b12++
b8
b13++
y13++
b5
H2O

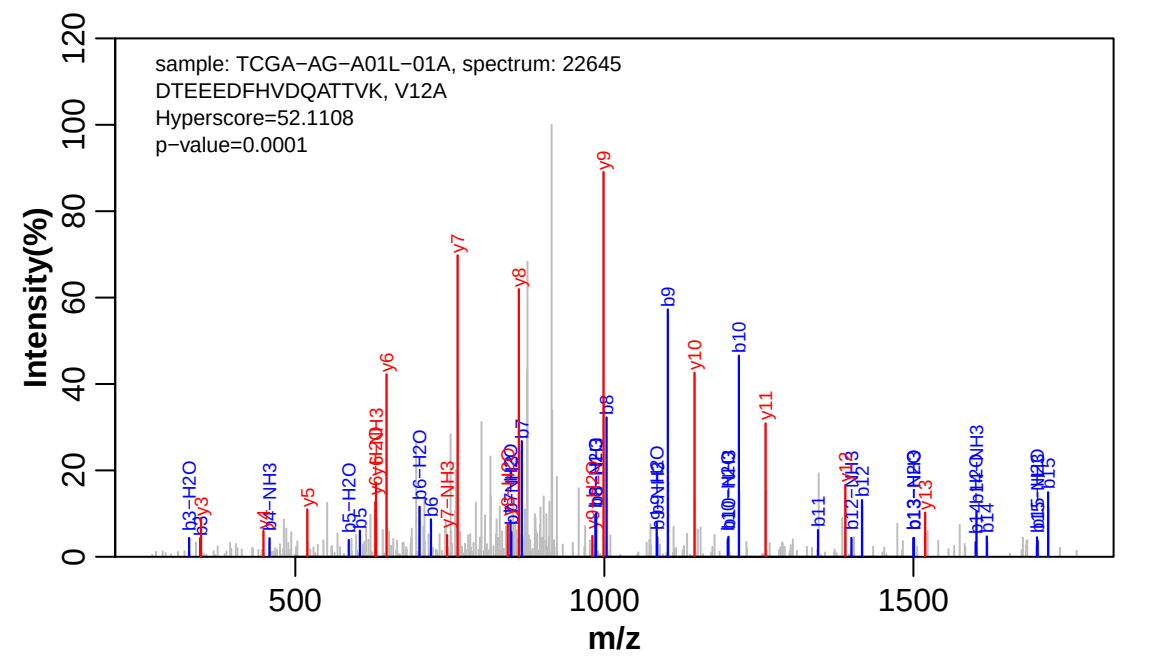

sample: TCGA−AG−A01L−01A, spectrum: 51336
DAGNEQDLGLQYK, N1D
Hyperscore=43.2458
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4
y3
y3−NH3
y4
y4−NH3
b5
y5
b6
b7
b8
b8−H2O
b8−NH3
y7
b9
y8
y8−NH3
b10
b10−NH3
y9
b11
y10
y11
b12

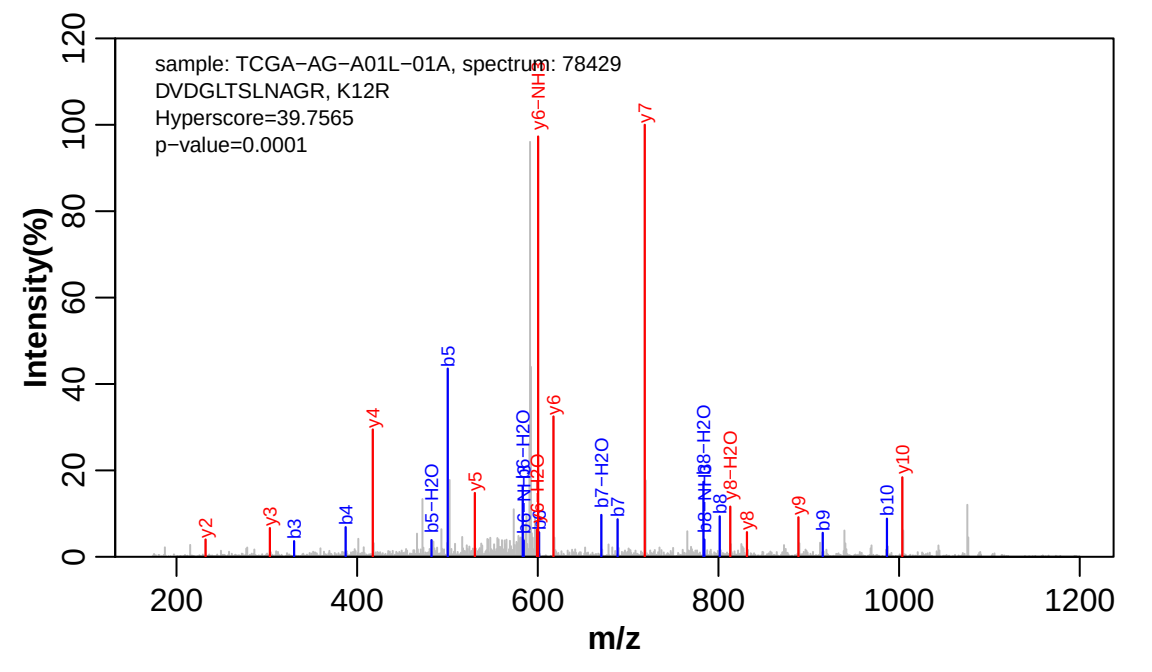

sample: TCGA−AG−A01L−01A, spectrum: 78885
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=68.9049
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5++−NH3
y2
y3
y8++
y4
y11++
b11++
b13++
b13++−H2O
b21++
b22++
y11
b13
b12
y12−NH3
b11

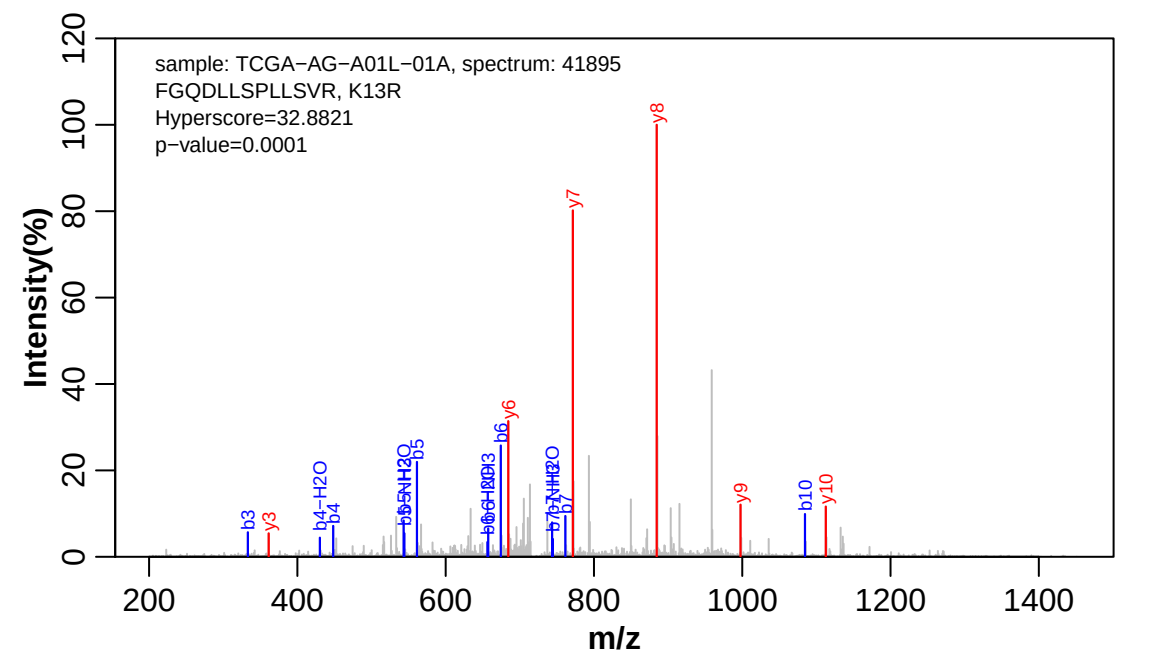

sample: TCGA−AG−A01L−01A, spectrum: 11866
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=39.6760
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11
y12
b13
b6
y8
y4
b4
b3
y5
y6−H2O
b5
y7
b8
y9
b9
b10
b11
y13−H2O
b12
b16

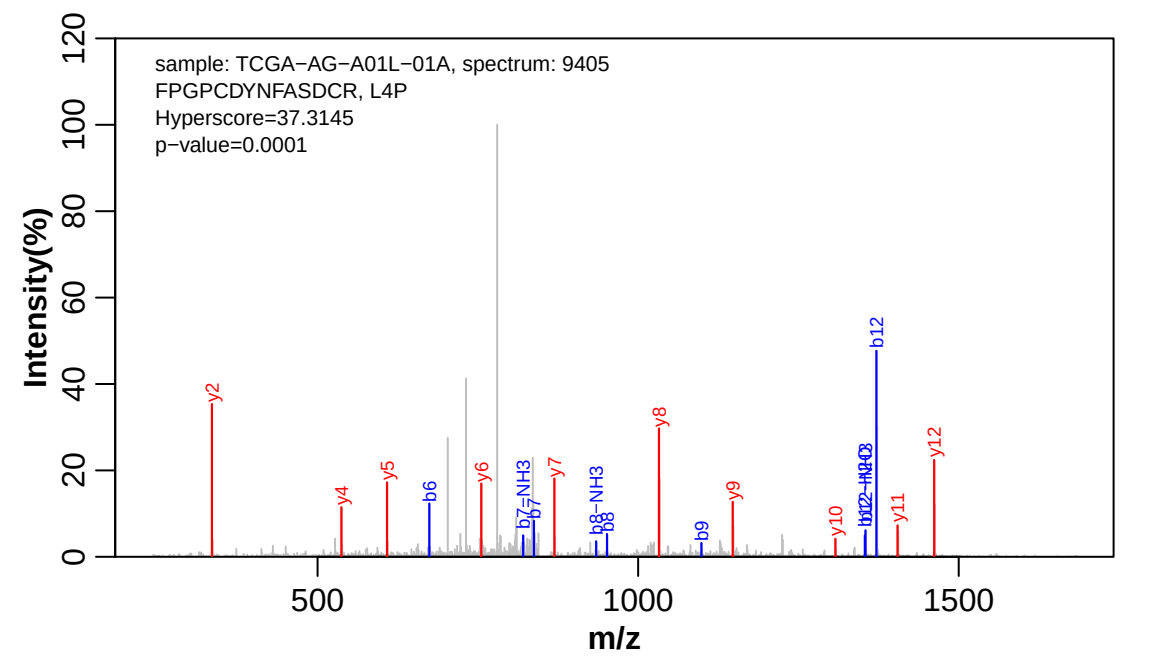

sample: TCGA−AG−A01L−01A, spectrum: 101595
DGDSLMVLPTLPEEEAK, V5L
Hyperscore=21.0042
p−value=0.0001
Intensity(%)
m/z
y9
b8
b8−H2O
y10
y11
y12

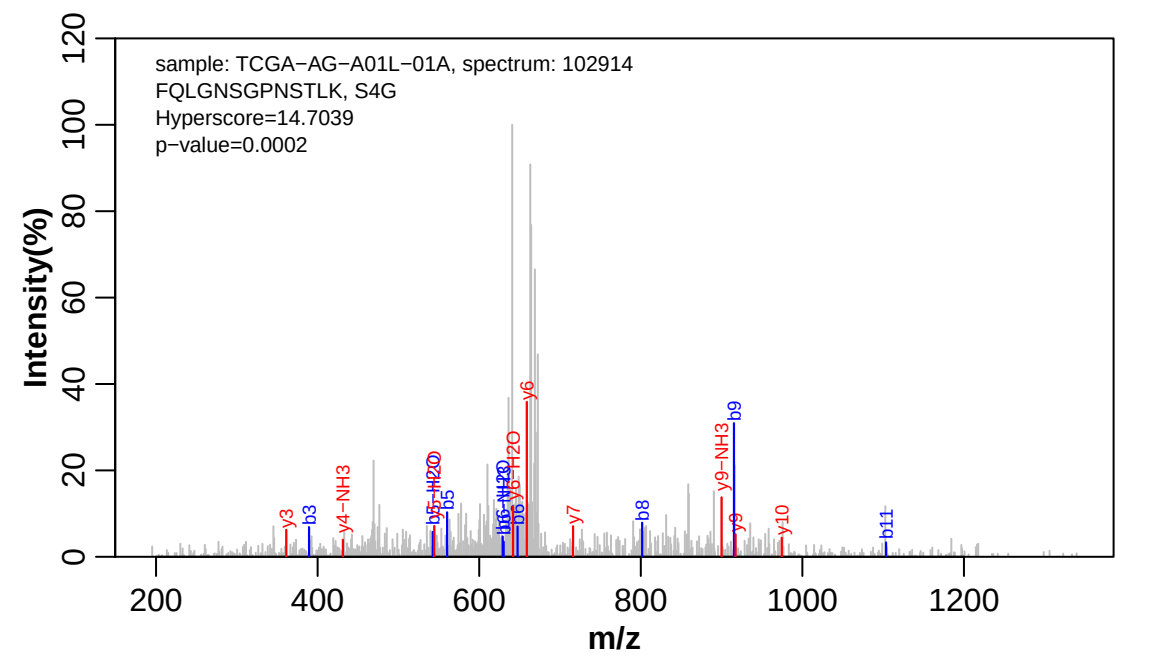

sample: TCGA−AG−A01L−01A, spectrum: 98384
DGYGFLNR, N1D
Hyperscore=29.8040
p−value=0.0012
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
y4−H2O
b5
y4
y5
b6−H2O
b6
b7−NH3
b7
y6

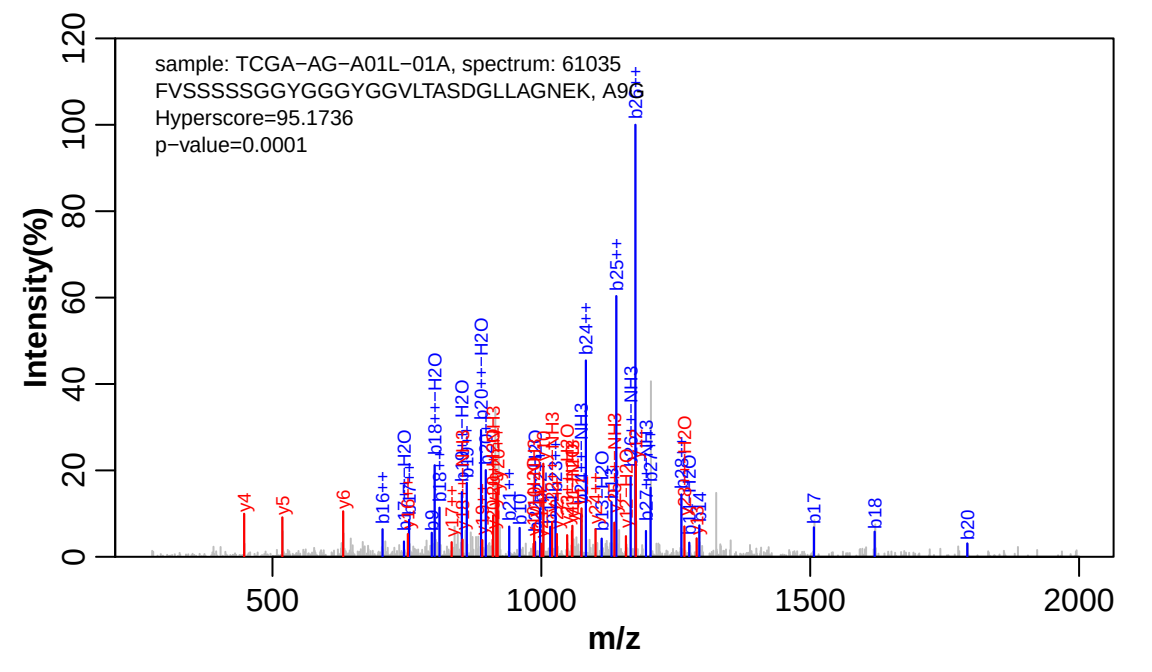

sample: TCGA−AG−A01L−01A, spectrum: 22645
DTEEEDFHVDQATTVK, V12A
Hyperscore=52.1108
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y7
y8
b9
y10
b10
y6
y11
b8
b7
y5
b6−H2O
b6
y7−NH3
b5−H2O
b5
y4−NH3
b3−H2O
b3
y3
b11
b12
b12−NH3
b13−NH3
y13
b14
b15

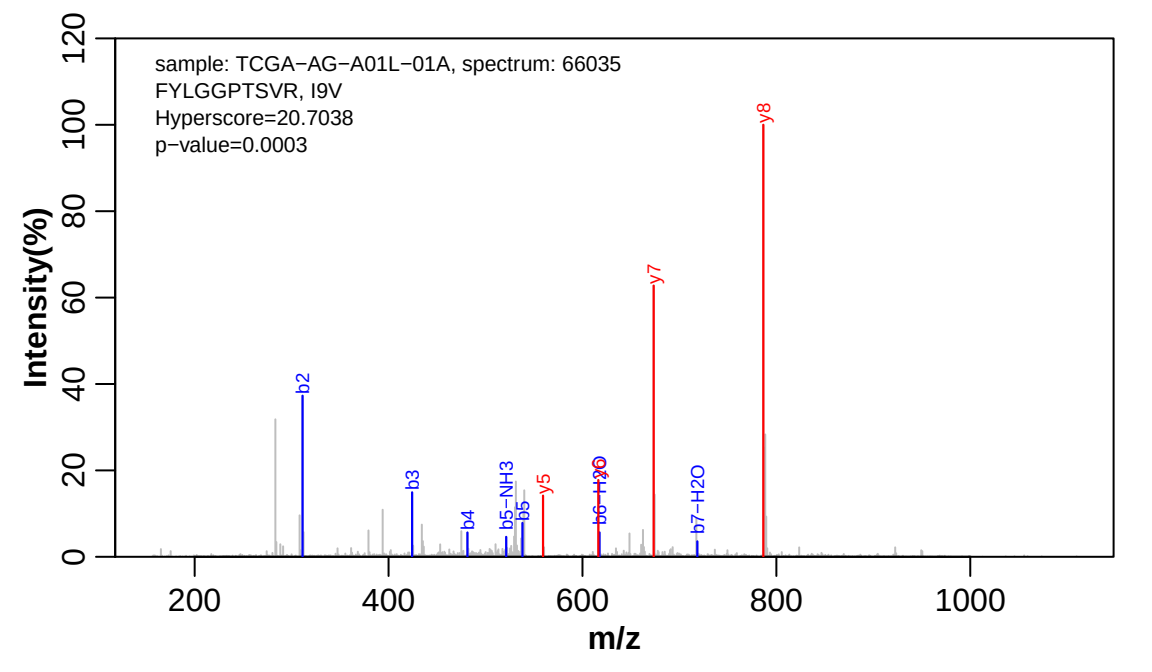

sample: TCGA−AG−A01L−01A, spectrum: 78429
DVDGLTSLNAGR, K12R
Hyperscore=39.7565
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y3
b3
b4
b5−H2O
b5
y4
y5
b6−NH3
b6−H2O
b6
y6−NH3
y6
y7
b7−H2O
b7
b8−NH3
b8−H2O
b8
y8−H2O
y8
y9
b9
b10
y10

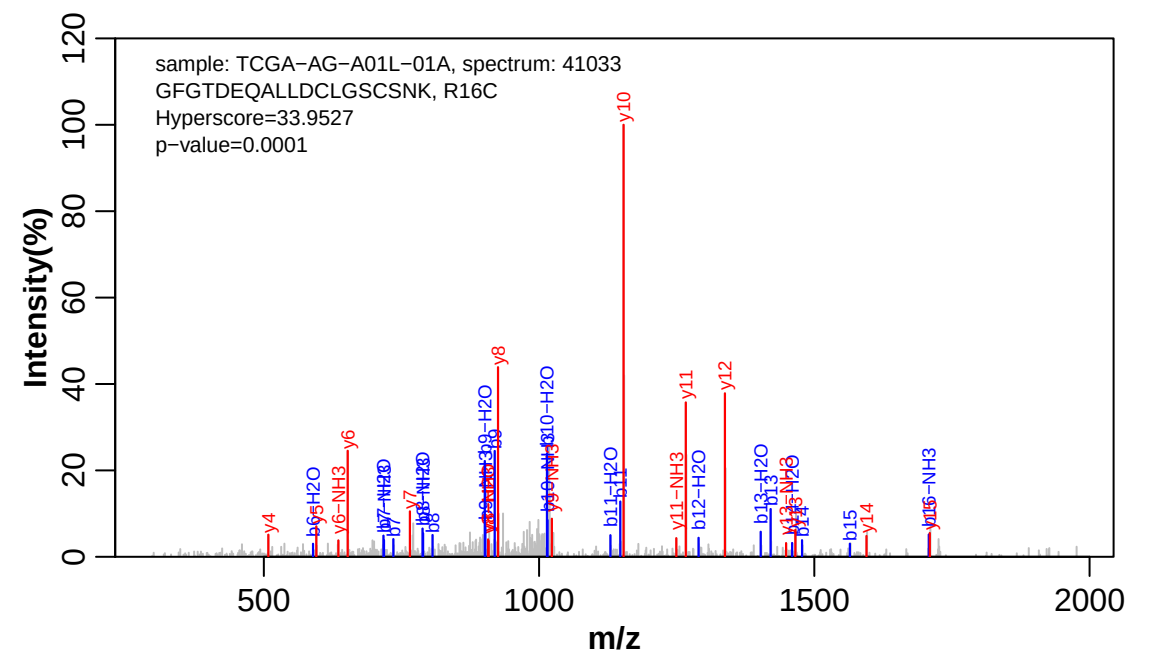

sample: TCGA−AG−A01L−01A, spectrum: 41895
FGQDLLSPLLSVR, K13R
Hyperscore=32.8821
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5−NH3
b5−H2O
b5
b6−H2O
b6−NH3
b6
y6
b7−NH3
b7−H2O
b7
y7
y8
y9
b10
y10

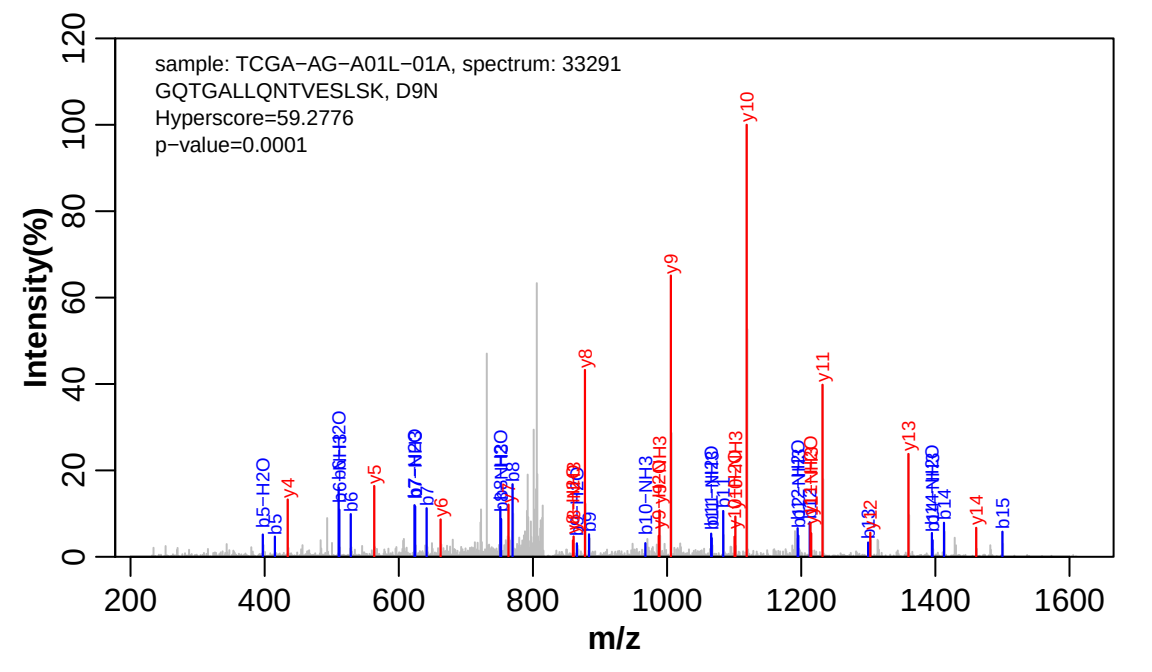

sample: TCGA−AG−A01L−01A, spectrum: 9405
FPGPCDYNFASDCR, L4P
Hyperscore=37.3145
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y4
y5
b6
y6
b7−NH3
b7
y7
b8−NH3
b8
y8
b9
y9
y10
b12−H2O
b12−NH3
b12
y11
y12

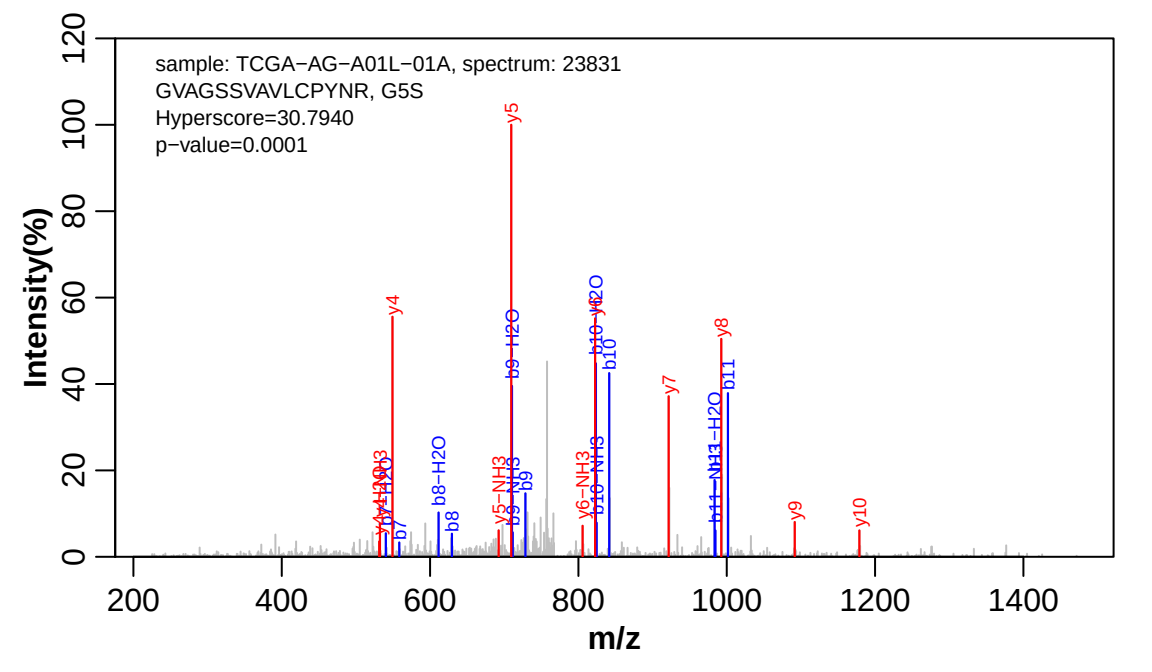

sample: TCGA−AG−A01L−01A, spectrum: 102914
FQLGNSGPNSTLK, S4G
Hyperscore=14.7039
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y3
b3
y4−NH3
b5
y6
y7
b8
y9−NH3
b9
y9
y10
b11

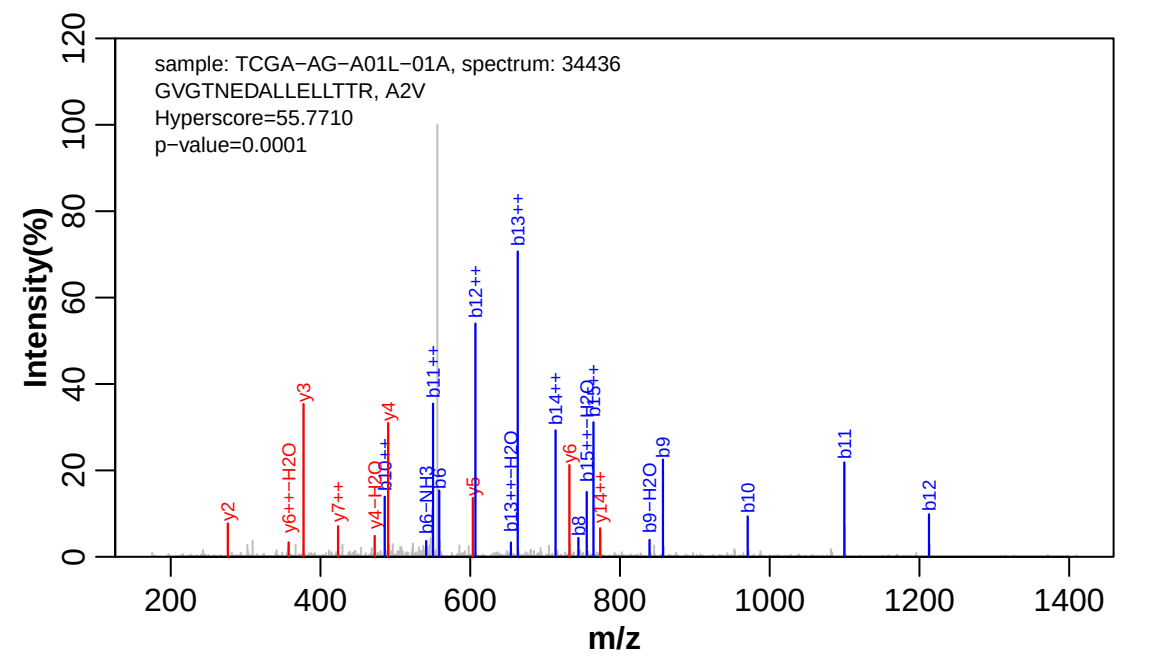

sample: TCGA−AG−A01L−01A, spectrum: 61035
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=95.1736
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y4
y5
y6
b16++
b17++−H2O
b17++
b9
b18++−H2O
b18++
y17++
b19++−H2O
b19++
b20++−H2O
b20++
b21++
b24++
b25++
b26++
b17
b18
b20

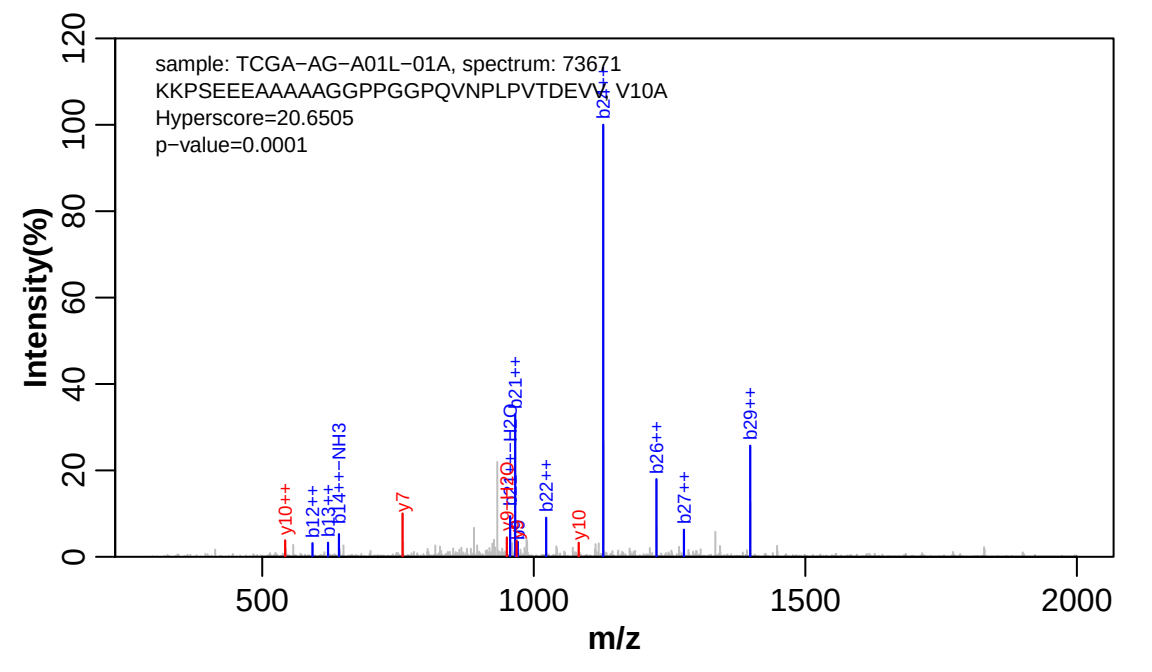

sample: TCGA−AG−A01L−01A, spectrum: 66035
FYLGGPTSVR, I9V
Hyperscore=20.7038
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
b4
b5−NH3
b5
y5
b6−H2O
y7
b7−H2O
y8

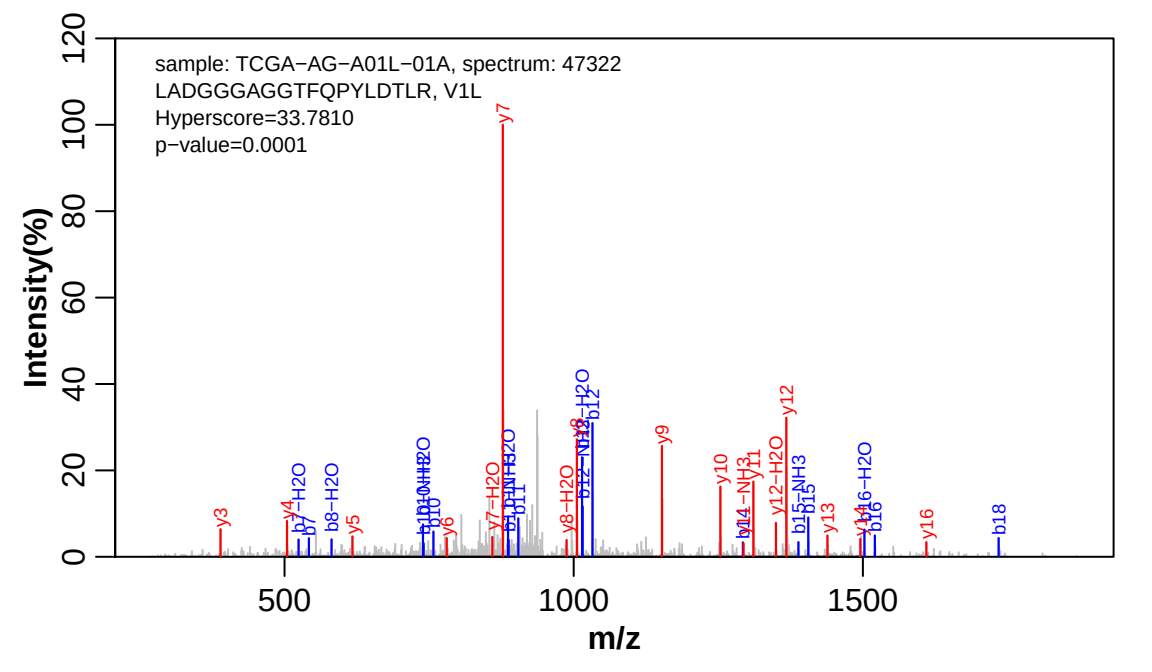

sample: TCGA−AG−A01L−01A, spectrum: 41033
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=33.9527
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10
y8
y6
y4
y7
y11
y12
y14
y16−NH3
b11−H2O
b12−H2O
b13−H2O
b15
b5−H2O
y6−NH3
y11−NH3
y10−H2O

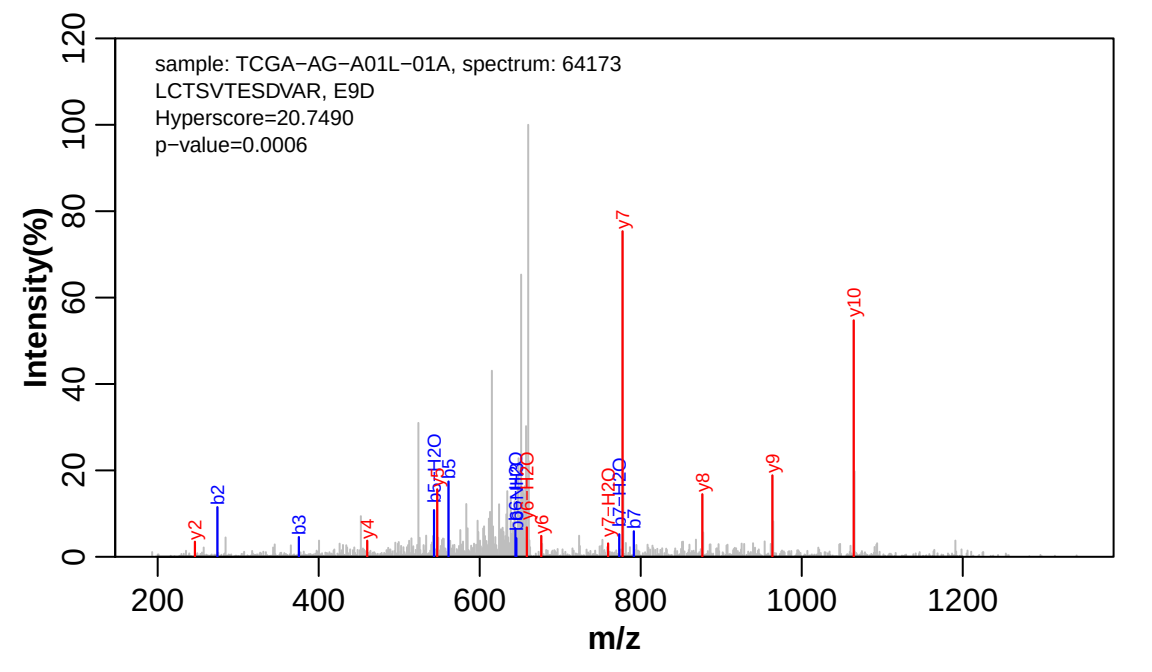

sample: TCGA−AG−A01L−01A, spectrum: 33291
GQTGALLQNTVESLSK, D9N
Hyperscore=59.2776
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
y5
y6
y4
b15
b14
b13
b12
b10−NH3
b5−H2O

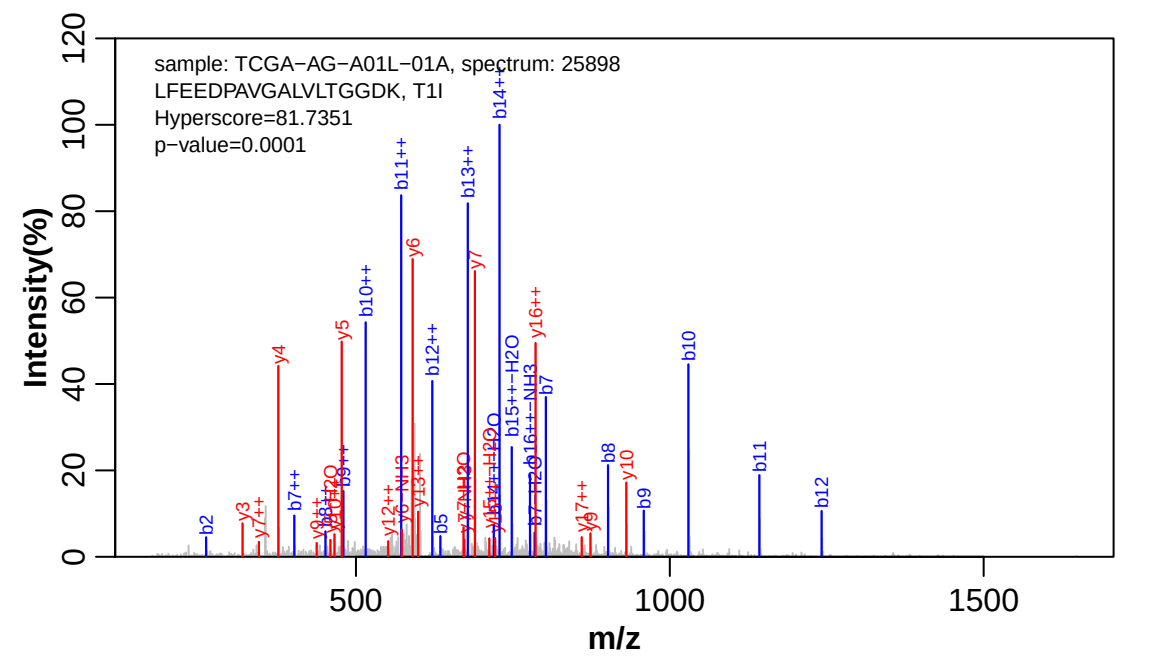

sample: TCGA−AG−A01L−01A, spectrum: 23831
GVAGSSVAVLCPYNR, G5S
Hyperscore=30.7940
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y4
b9−H2O
b10−H2O
b10
y8
y7
b11
b11−NH3−H2O
b8−H2O
b8
y5−NH3
b8−NH3
b9
y6−NH3
b10−NH3
y9
y10

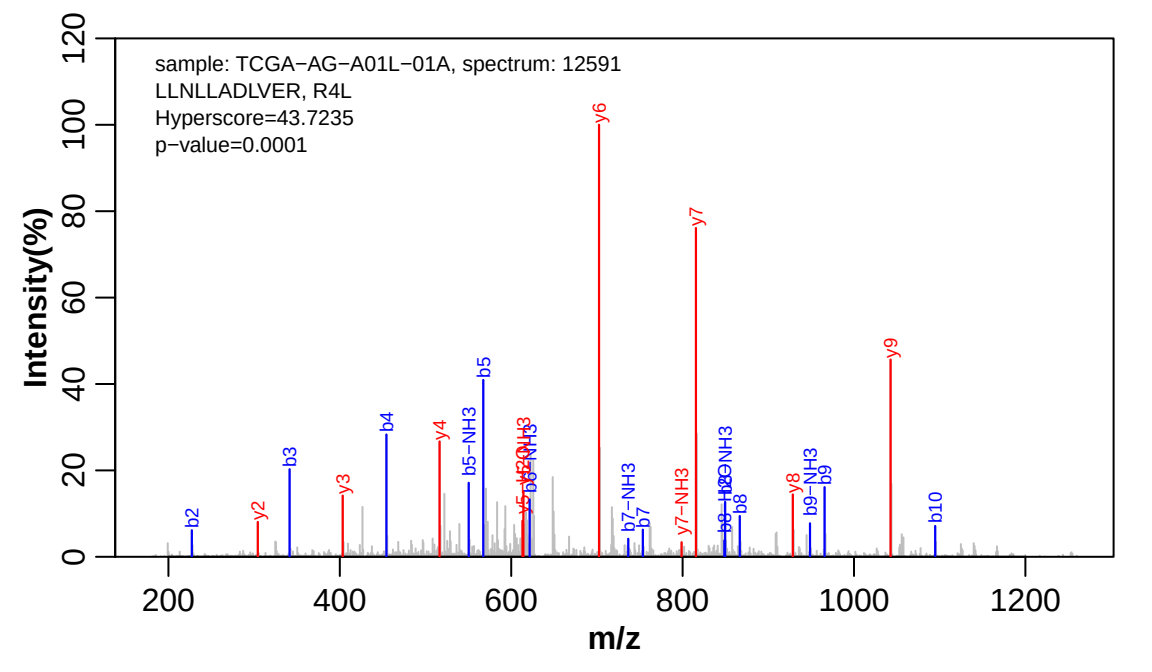

sample: TCGA−AG−A01L−01A, spectrum: 34436
GVGTNEDALLELLTTR, A2V
Hyperscore=55.7710
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y6++−H2O
y3
y7++
y4−H2O
y10++
y4
b6−NH3
b8
b11++
y5
b12++
b13++−H2O
b13++
b14++
y6
b15++−H2O
b15++
b8
y14++
b9−H2O
b9
b10
b11
b12

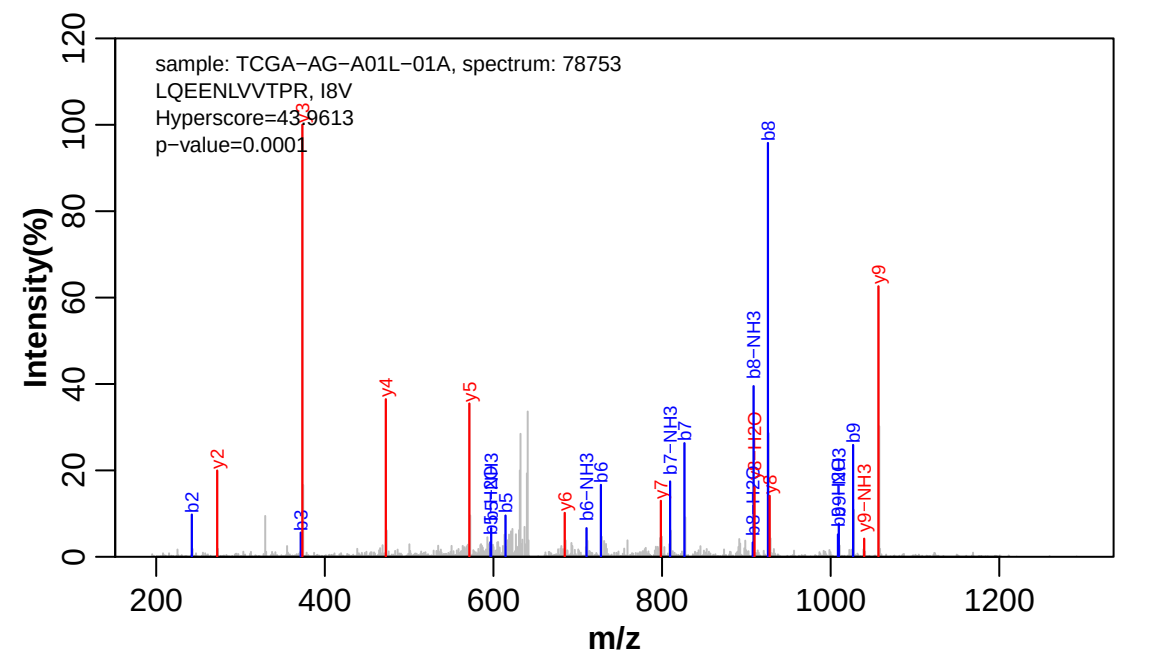

sample: TCGA−AG−A01L−01A, spectrum: 73671
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV V10A
Hyperscore=20.6505
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10++
b12++
b13++
b14++−NH3
y7
b21++
b22++
y10
b24++
b26++
b27++
b29++

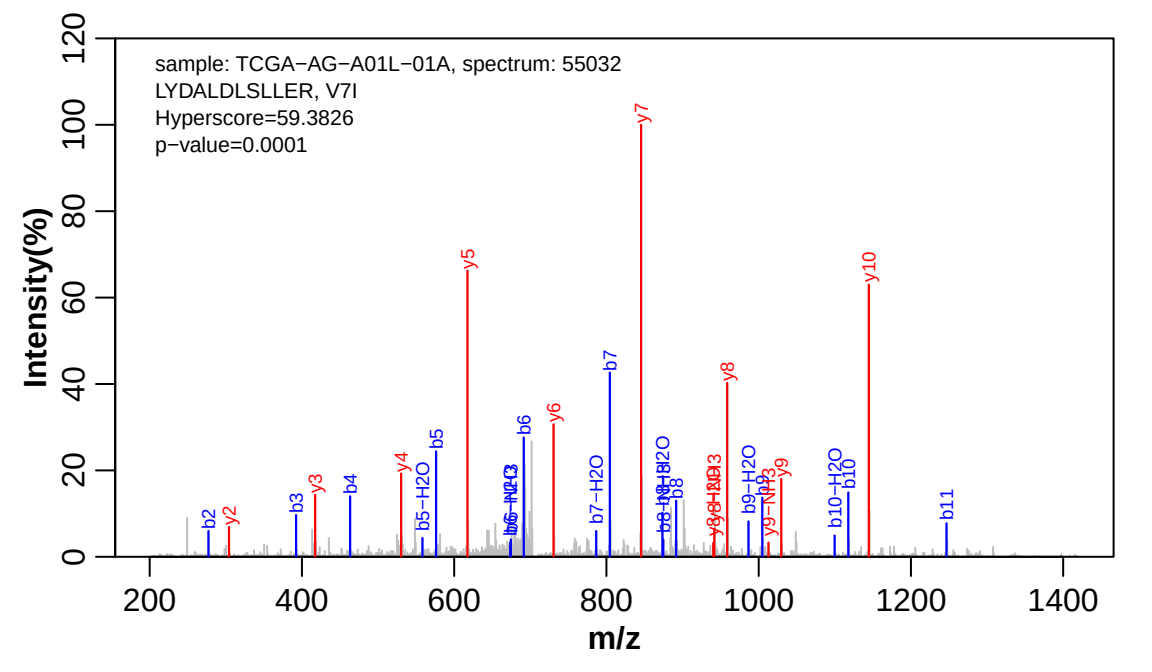

sample: TCGA−AG−A01L−01A, spectrum: 47322
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=33.7810
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y3
y4
b7−H2O
b7
b8−H2O
y5
b10−NH3
b10
y6
y7−H2O
b11−NH3
b11
y8−H2O
y8
b12−NH3
b12−H2O
y9
y10
b14−NH3
y11
y12−H2O
y12
b15−NH3
b15
y13
y14−H2O
b16
y16
b18

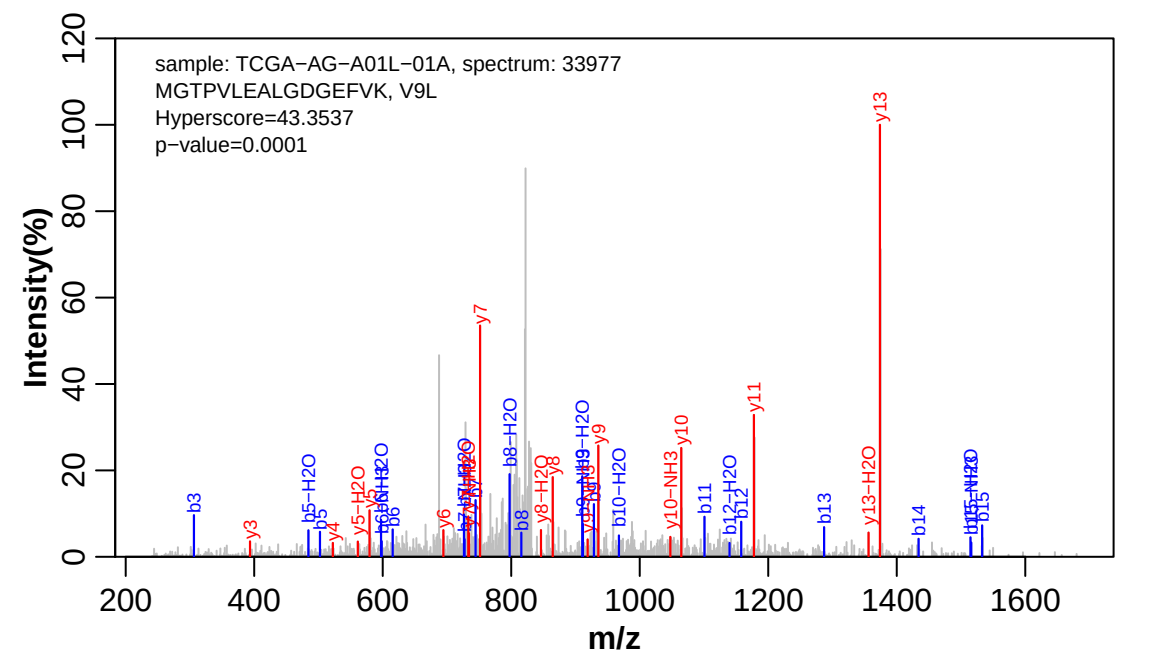

sample: TCGA−AG−A01L−01A, spectrum: 64173
LCTSVTESDVAR, E9D
Hyperscore=20.7490
p−value=0.0006
Intensity(%)
m/z
y2
b2
b3
y4
b5−H2O
b5
b6−NH3
b6−H2O
y6
y7−H2O
b7−H2O
b7
y7
y8
y9
y10

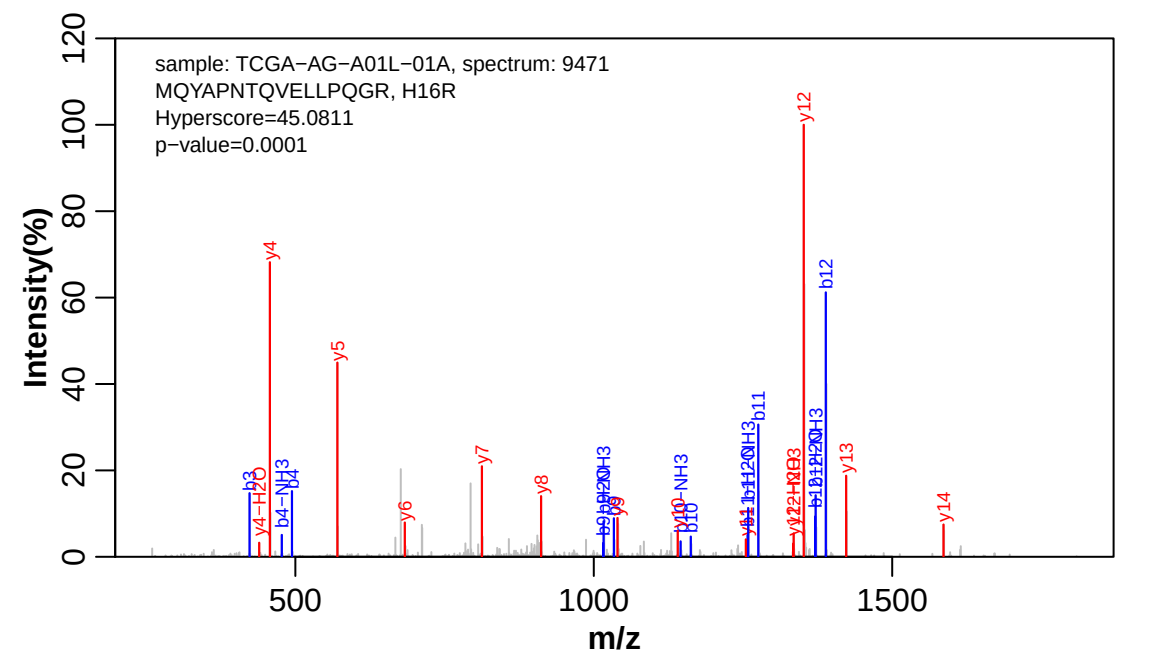

sample: TCGA−AG−A01L−01A, spectrum: 25898
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=81.7351
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y7++
y4
b7++
y5
b10++
b11++
y6
b13++
b14++
y7
b12++
y16++
b10
b15++−H2O
b7
b8
y10
b9
b11
b12
y12++
y13++
b5
y17++

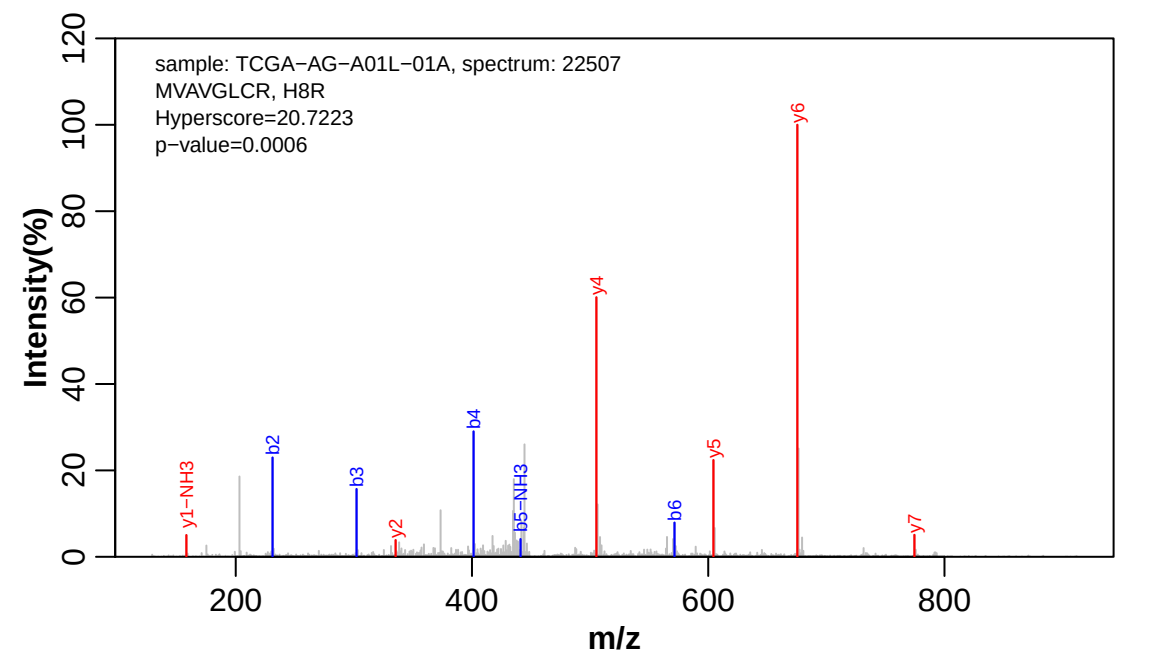

sample: TCGA−AG−A01L−01A, spectrum: 12591
LLNLLADLVER, R4L
Hyperscore=43.7235
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4
y4
b5−NH3
b5
y6
b7−NH3
b7
y7−NH3
y7
b8
b9−NH3
b9
y8
y9
b10

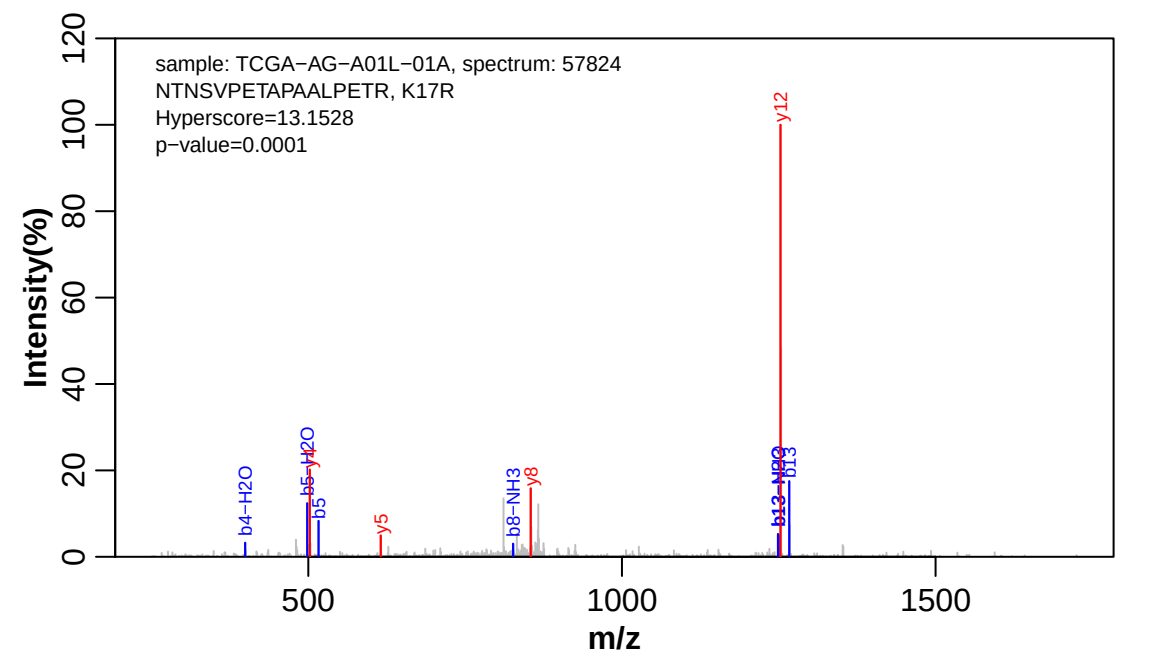

sample: TCGA−AG−A01L−01A, spectrum: 78753
LQEENLVVTPR, I8V
Hyperscore=43.9613
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b3
y4
y5
b5
b6−NH3
b6
y6
y7
b7−NH3
b7
b8
b8−NH3
y8
y9
b9
y9−NH3

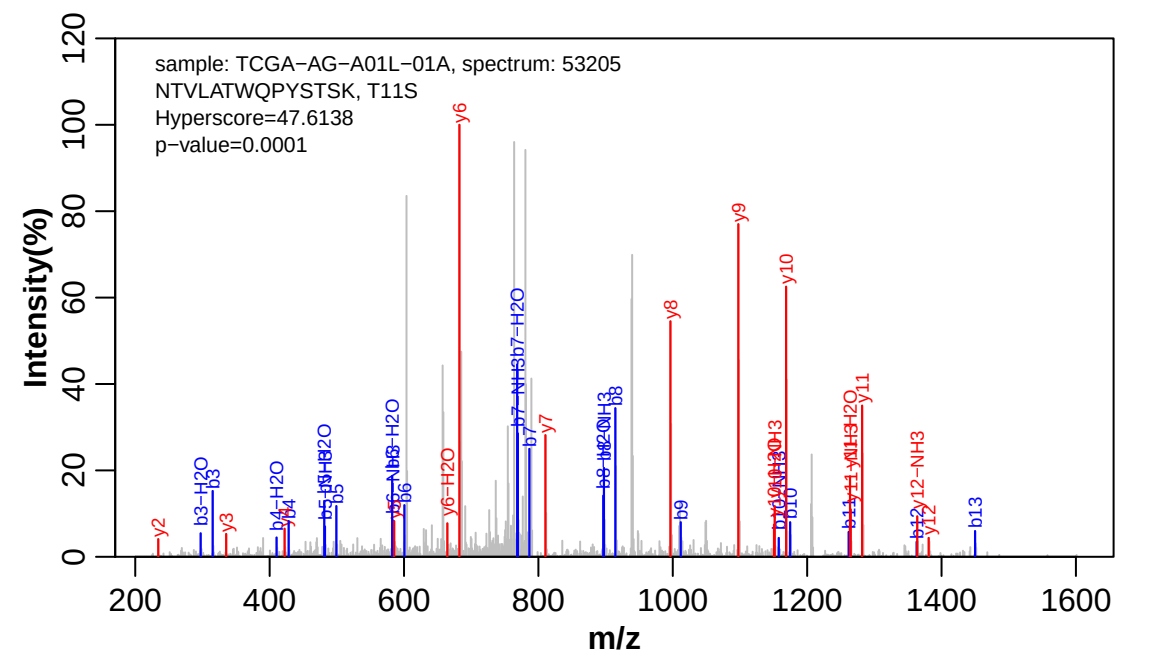

sample: TCGA−AG−A01L−01A, spectrum: 55032
LYDALDLSLLER, V7I
Hyperscore=59.3826
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
y4
b5−H2O
b5
y5
b6
y6
b7−H2O
b7
y7
b8
y8
b9−H2O
y9−NH3
y9
b10−H2O
b10
y10
b11

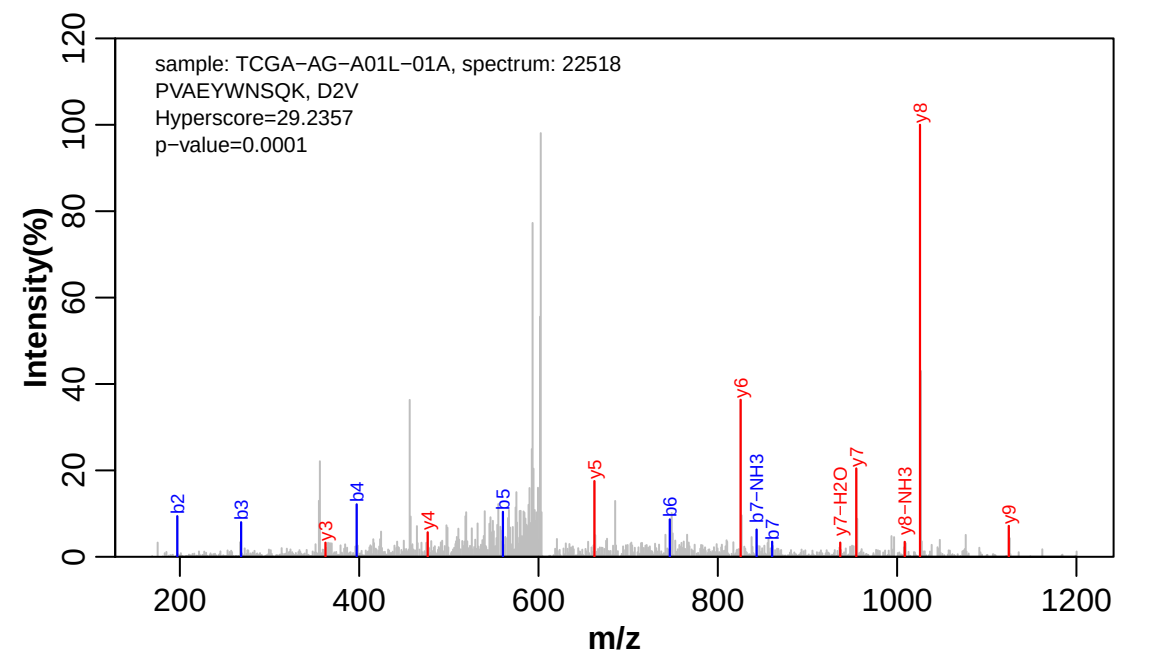

sample: TCGA−AG−A01L−01A, spectrum: 33977
MGTPVLEALGDGEFVK, V9L
Hyperscore=43.3537
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b5−H2O
b5
y4
y5−H2O
y5
b6−H2O
b6
y6
y7
b8−H2O
b8
y8−H2O
y8
y9
b10−H2O
y10−NH3
y10
b11
b12−H2O
b12
y11
b13
y13−H2O
y13
b14
b15

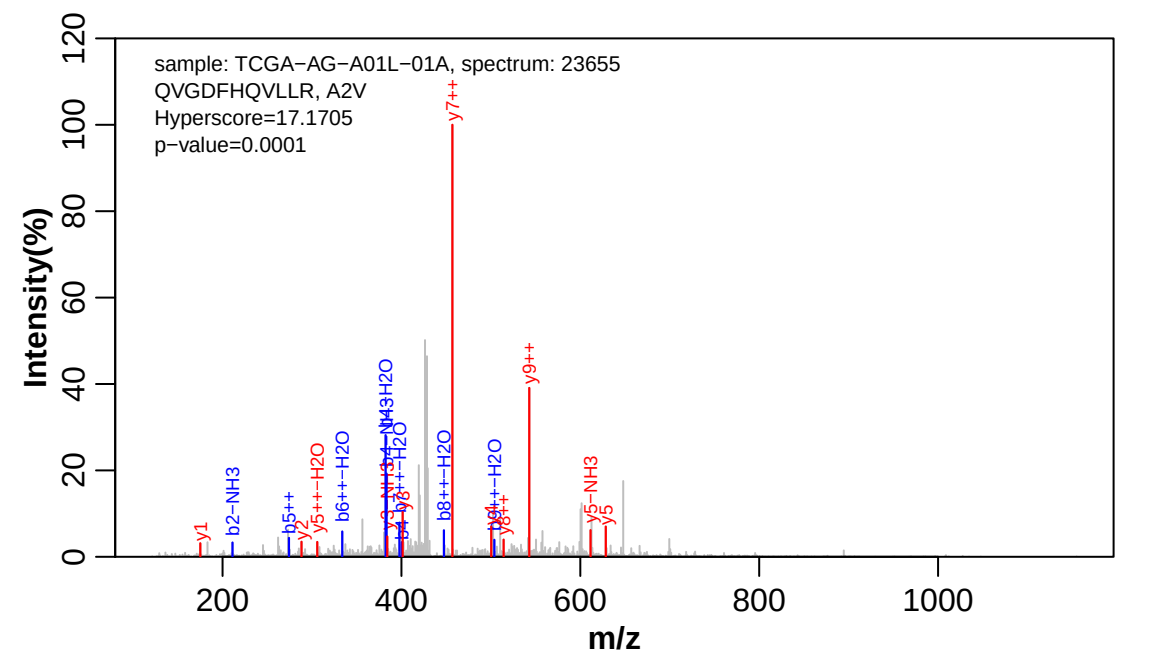

sample: TCGA−AG−A01L−01A, spectrum: 9471
MQYAPNTQVELLPQGR, H16R
Hyperscore=45.0811
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y4
y5
y7
y8
y6
y14
y13
b12
b11
b3
b4
b4−NH3
y4−H2O
y4−NH3
b10
b10−NH3

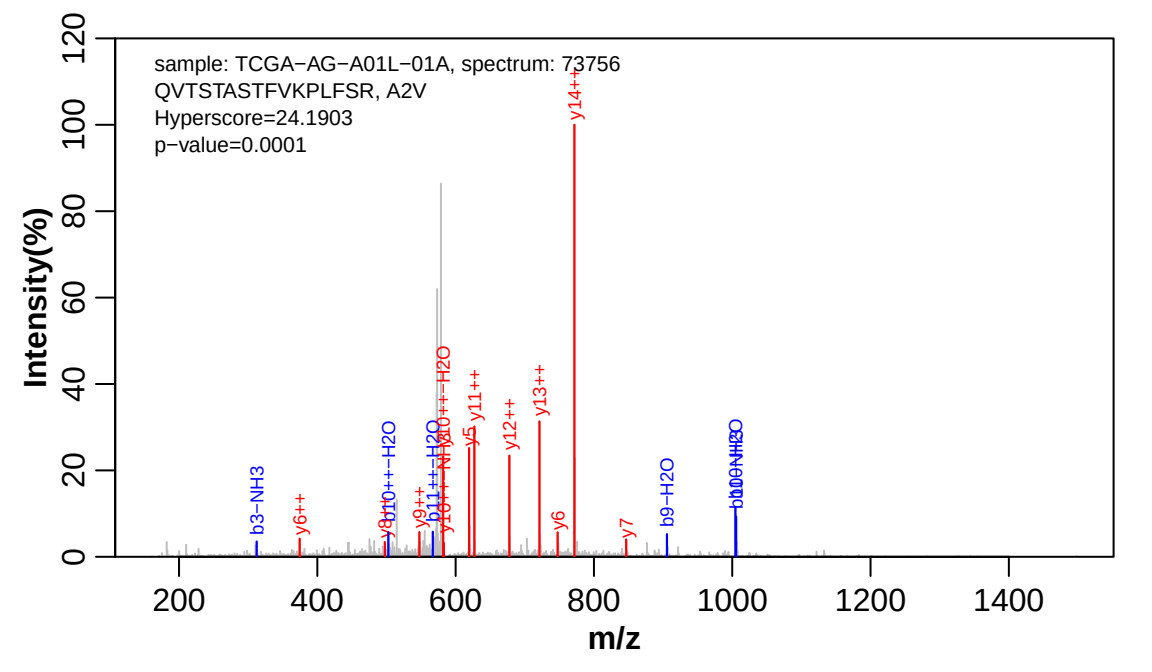

sample: TCGA−AG−A01L−01A, spectrum: 22507
MVAVGLCR, H8R
Hyperscore=20.7223
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
b2
b3
y2
b4
b5−NH3
y4
b6
y5
y6
y7

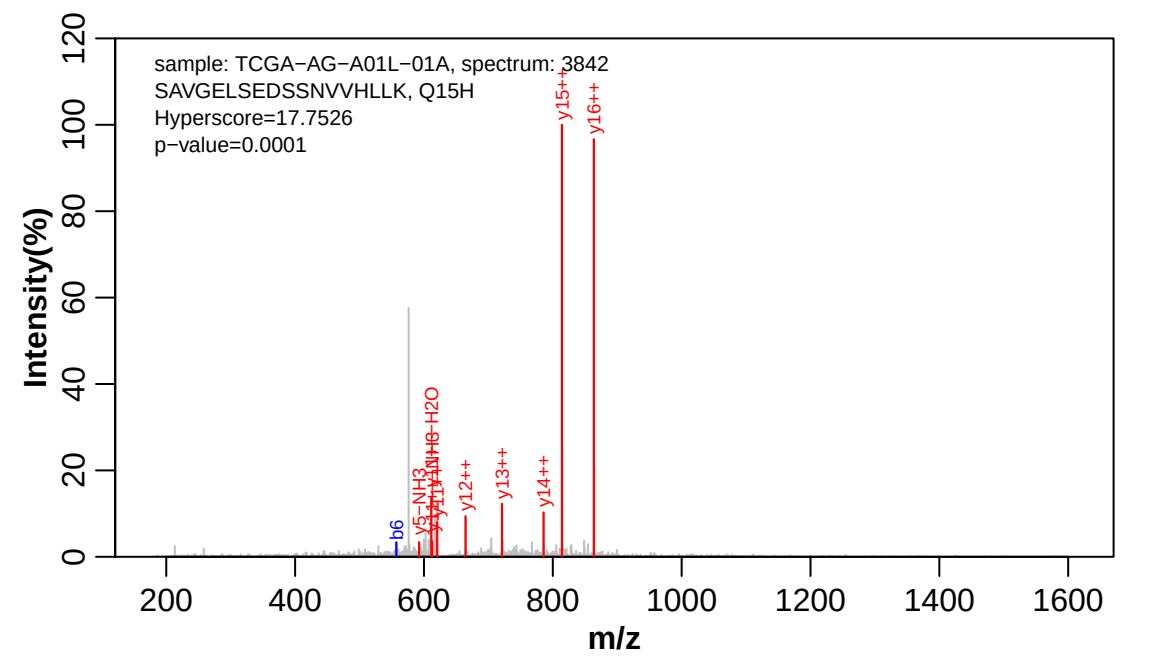

sample: TCGA−AG−A01L−01A, spectrum: 57824
NTNSVPETAPAALPETR, K17R
Hyperscore=13.1528
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4−H2O
b5−H2O
y4
b5
y5
b8−NH3
y8
y12
b13−NH3
b13

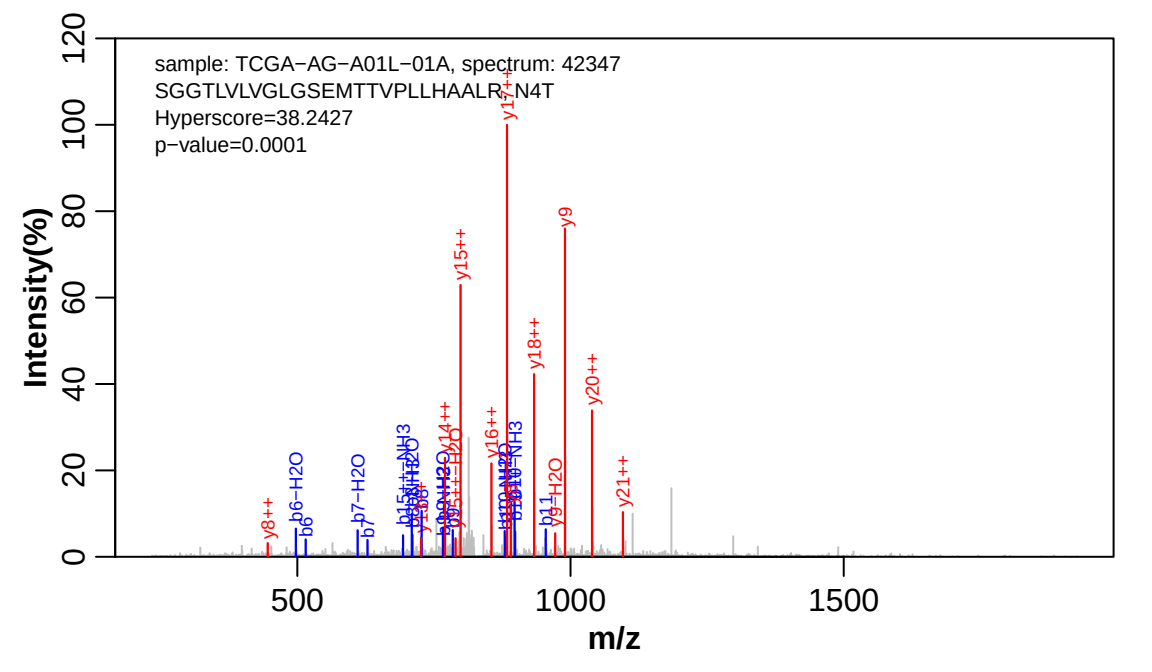

sample: TCGA−AG−A01L−01A, spectrum: 53205
NTVLATWQPYSTSK, T11S
Hyperscore=47.6138
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6
y6−H2O
b7−NH3
b7−H2O
b7
y7
b8−H2O−NH3
b8
b9
y8
y9
y10
y11
b11−NH3
b11
b12−NH3
y12
b13

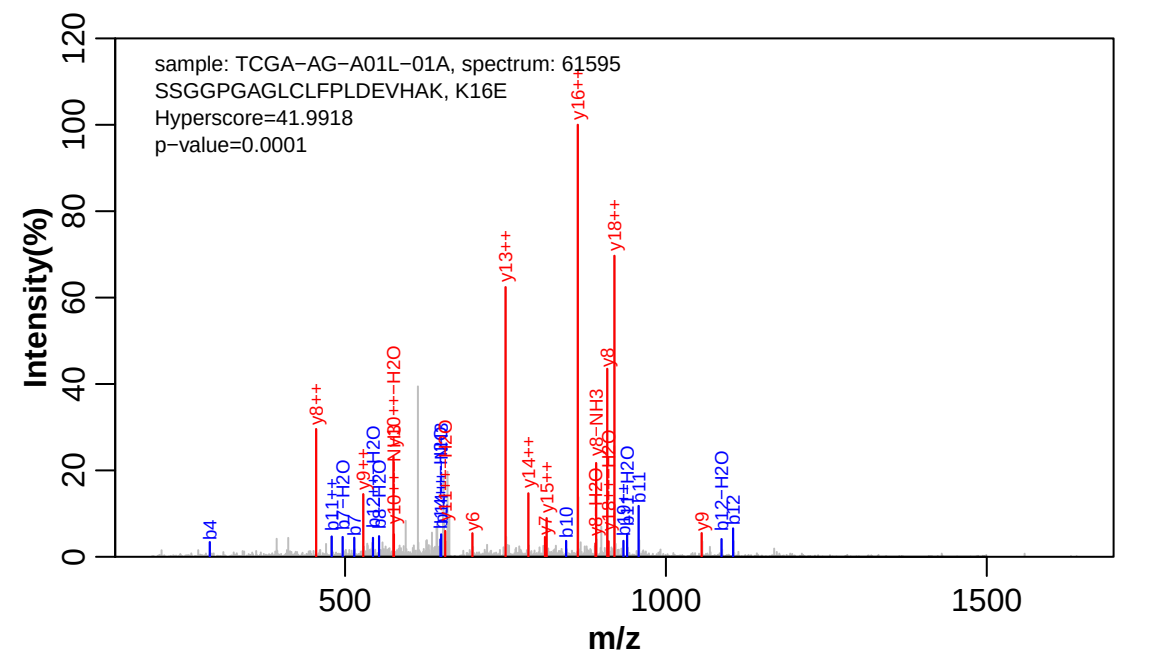

sample: TCGA−AG−A01L−01A, spectrum: 22518
PVAEYWNSQK, D2V
Hyperscore=29.2357
p−value=0.0001
Intensity(%)
m/z
b2
b3
y3
b4
y4
b5
y5
b6
y6
b7−NH3
b7
y7−H2O
y7
y8−NH3
y8
y9

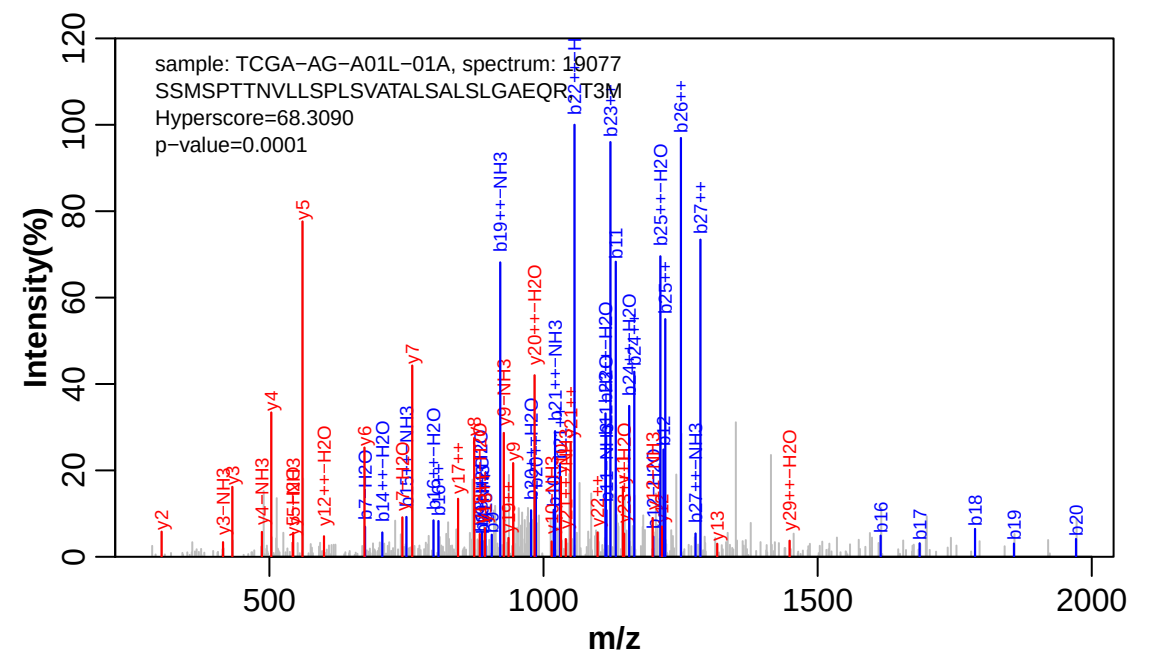

sample: TCGA−AG−A01L−01A, spectrum: 23655
QVGDFHQVLLR, A2V
Hyperscore=17.1705
p−value=0.0001
Intensity(%)
m/z
y7++
y9++
y1
b2−NH3
b5++
y2
y5++−H2O
b6++−H2O
b8++−H2O
y5−NH3
y5
0
20
40
60
80
100
120
200
400
600
800
1000

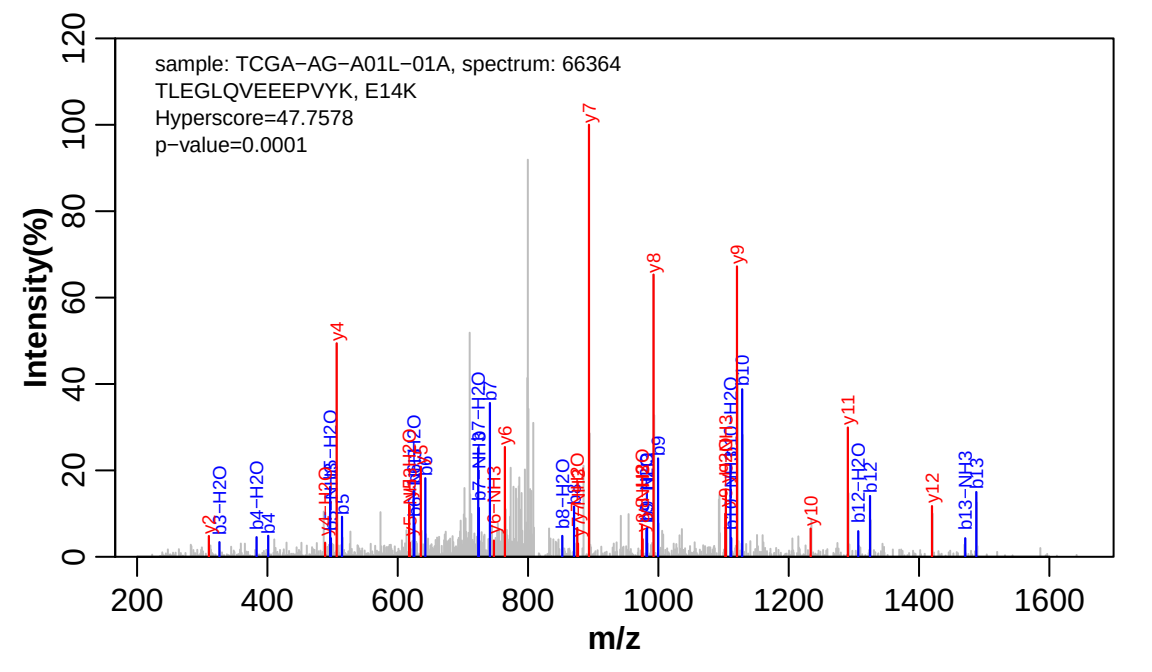

sample: TCGA−AG−A01L−01A, spectrum: 73756
QVTSTASTFVKPLFSR, A2V
Hyperscore=24.1903
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−NH3
y6++
y14++
y5
y11++
y12++
y13++
y6
y7
b9−H2O

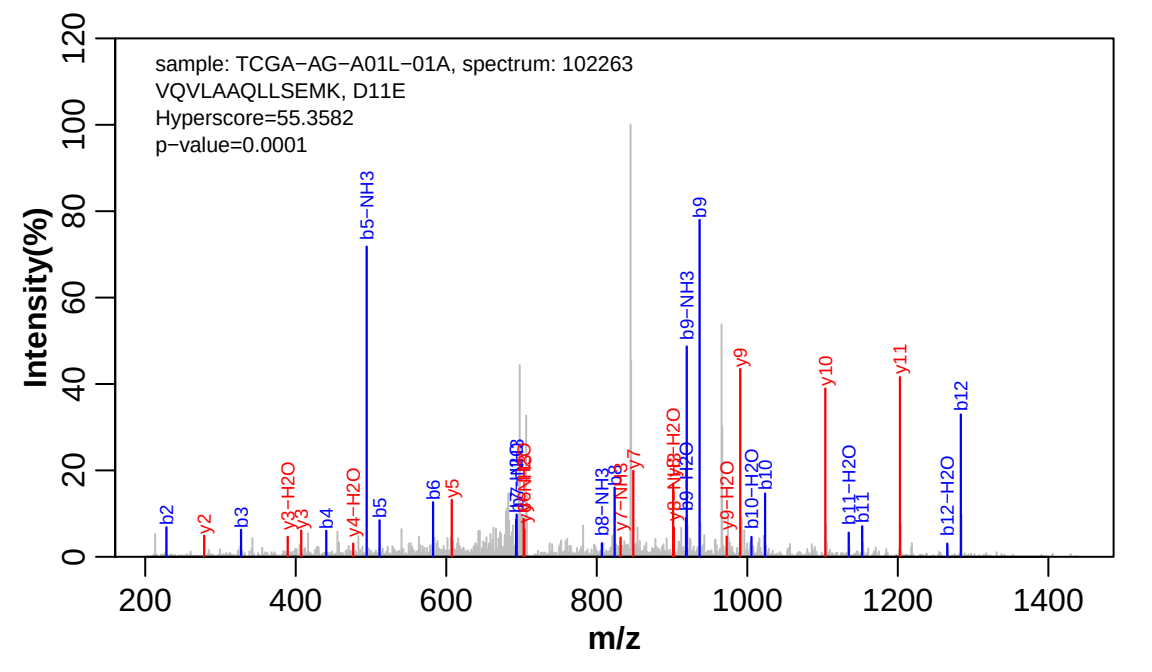

sample: TCGA−AG−A01L−01A, spectrum: 3842
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7526
p−value=0.0001
Intensity(%)
m/z
b6
y5−NH3
y4
y4−NH3
y4−H2O
y12++
y13++
y14++
y15++
y16++
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

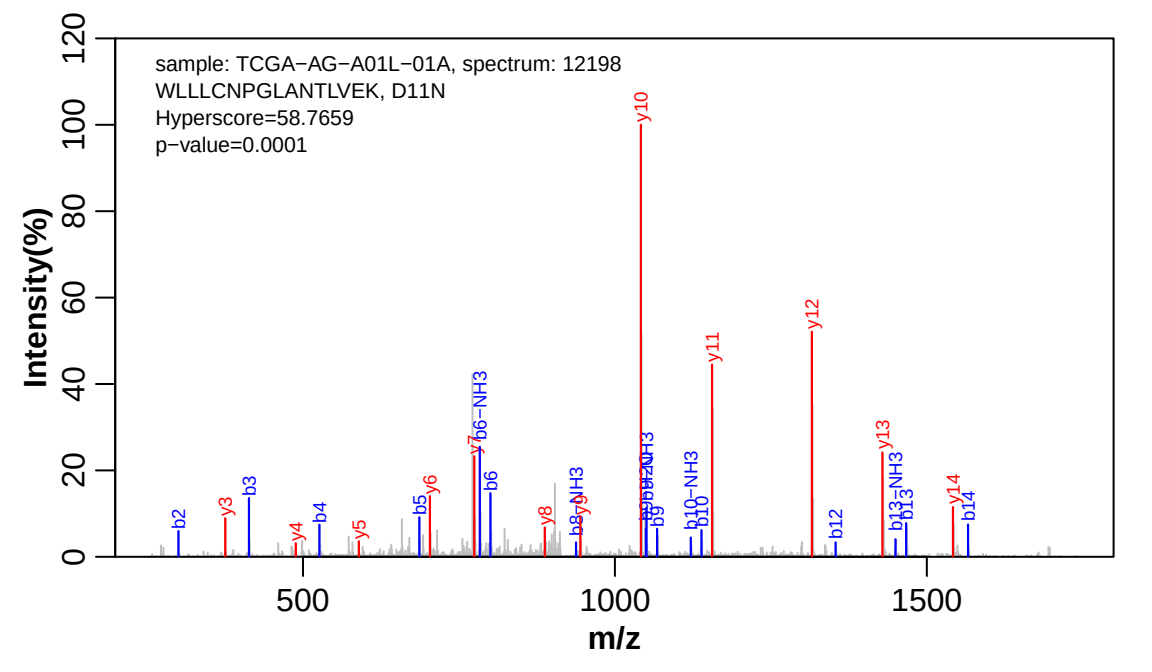

sample: TCGA−AG−A01L−01A, spectrum: 42347
SGGTLVLVGLGSEMTTVPLLHAALR_N4T
Hyperscore=38.2427
p−value=0.0001
Intensity(%)
m/z
y17++
y15++
y9
y18++
y20++
y16++
y14++
y21++
y8++
b6−H2O
b7−H2O
y9−H2O
b11
0
20
40
60
80
100
120
500
1000
1500

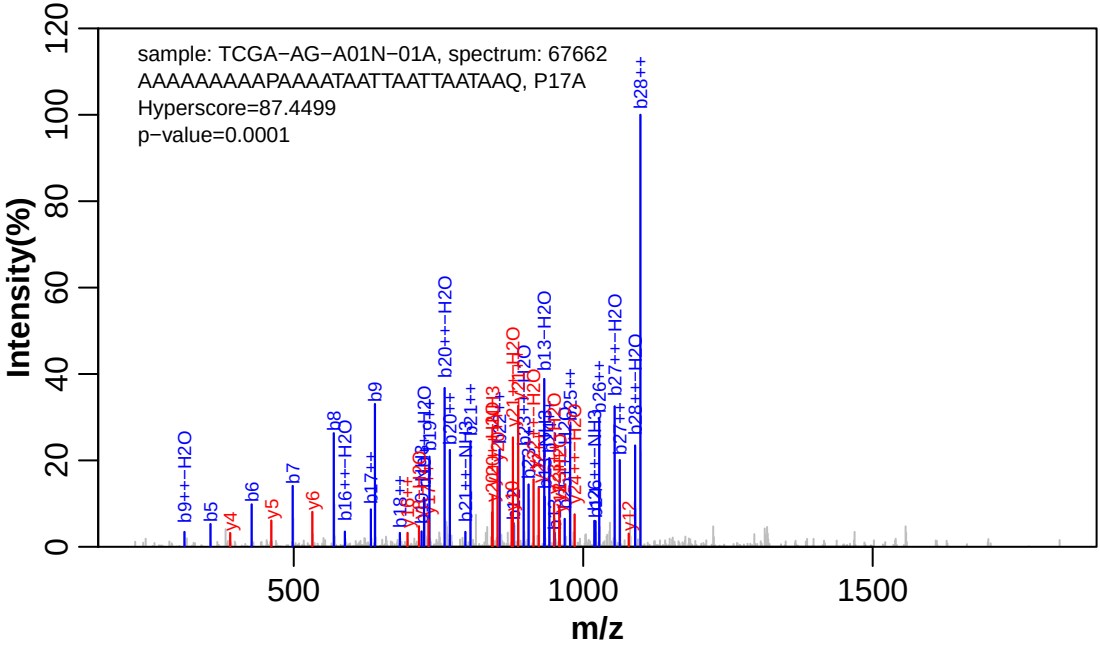

sample: TCGA−AG−A01L−01A, spectrum: 61595
SSGGPGAGLCLFPLDEVHAK, K16E
Hyperscore=41.9918
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y16++
y13++
y18++
y8++
y8
y8−NH3
y14++
y15++
y7
b10
b11
b12−H2O
y9
y6
b4
b7−H2O
y9++
b11++
b11++−H2O
y10++−NH3−H2O

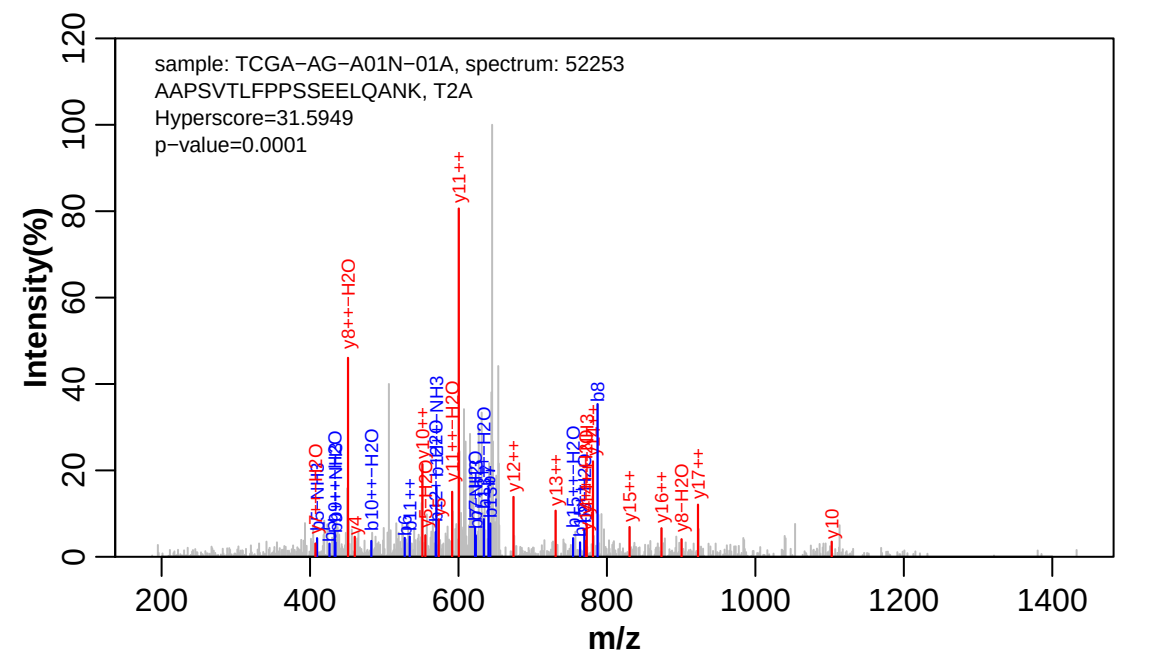

sample: TCGA−AG−A01L−01A, spectrum: 19077
SSMSPTTNVLLSPLSVATALSALSLGAEQRT3M
Hyperscore=68.3090
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3−NH3
y3
y4−NH3
y4
y5
y12++−H2O
b7−H2O
y6
b14++−H2O
y7−H2O
y7−NH3
y7
b16++−H2O
y17++
y9−NH3
y9
y20++−H2O
y21++−NH3
b19++−NH3
b22++
b23++
b11
b24++H2O
b26++
b25++−H2O
b25++
b27++
y27++−NH3
y13
y29++−H2O
b16
b17
b18
b19
b20

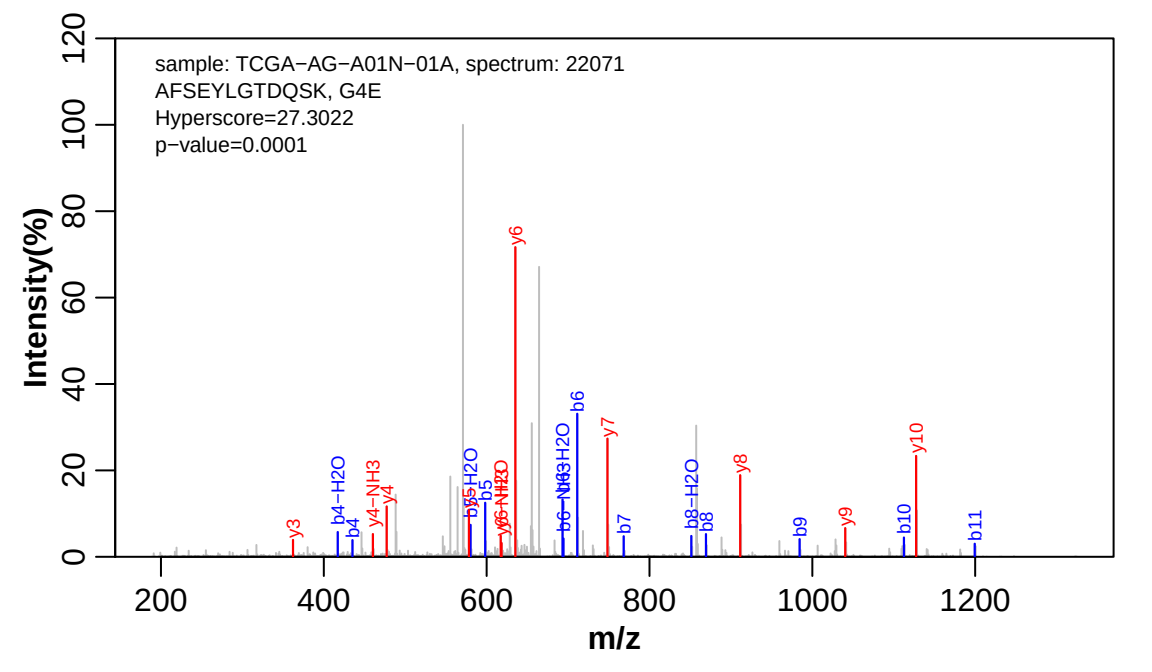

sample: TCGA−AG−A01L−01A, spectrum: 66364
TLEGLQVEEEPVYK, E14K
Hyperscore=47.7578
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y8
y9
y4
y11
y10
y12
y6
b7
b10
b12
b13
b9
b5
b4
b3
b8
y2
b7−H2O
b4−H2O
b3−H2O
b12−H2O
b13−NH3
y6−NH3

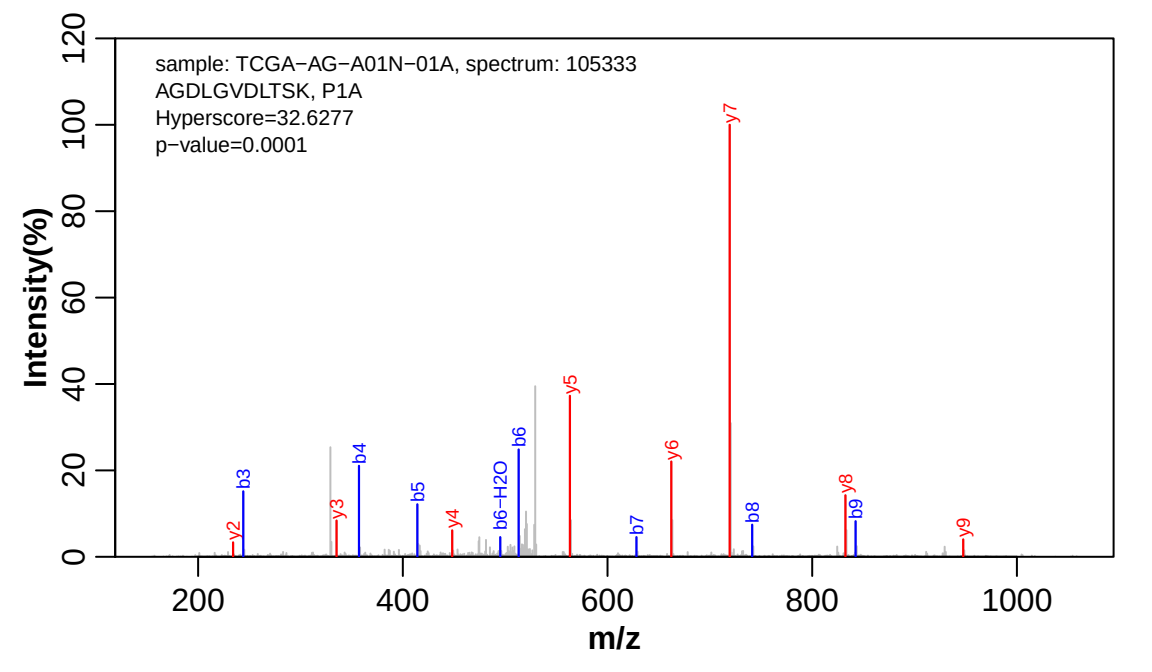

sample: TCGA−AG−A01L−01A, spectrum: 102263
VQVLAAQLLSEMK, D11E
Hyperscore=55.3582
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3−H2O
y3
b4
y4−H2O
b5−NH3
b5
b6
y5
b8−NH3
y7−NH3
y7
b9−H2O
b9−NH3
b9
y9−H2O
y9
b10−H2O
b10
y10
b11−H2O
b11
y11
b12−H2O
b12

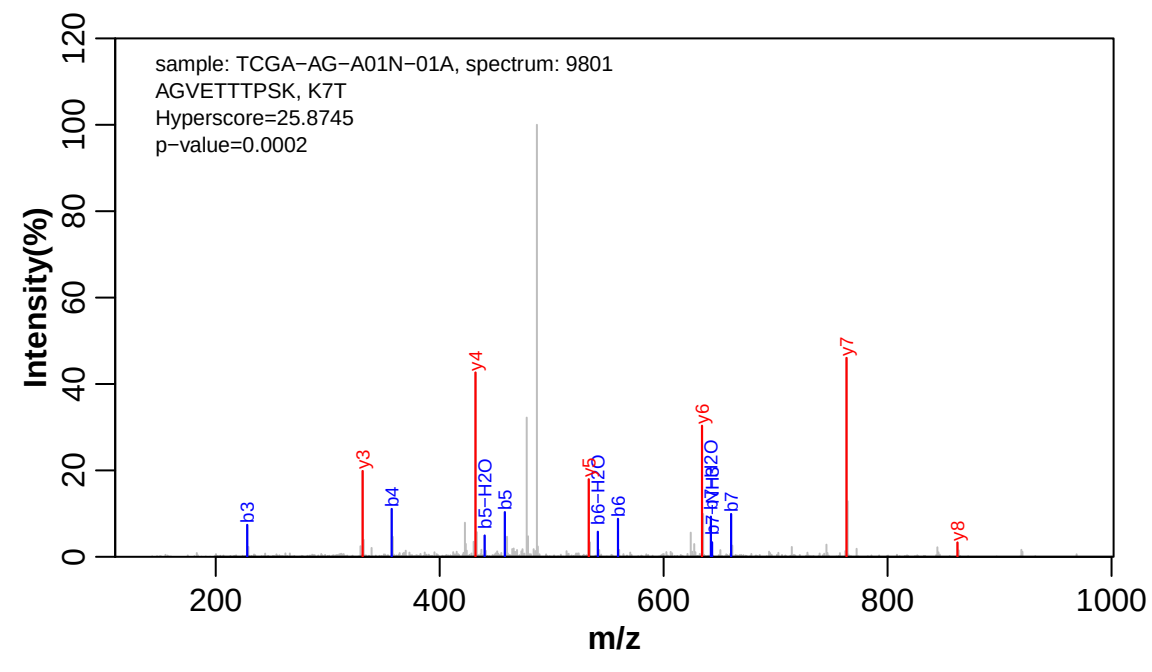

sample: TCGA−AG−A01L−01A, spectrum: 12198
WLLLCNPGLANTLVEK, D11N
Hyperscore=58.7659
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3
y4
b4
y5
b5
y6
y7
b6−NH3
b6
y8
b8−NH3
y10
b10−NH3
b10
y11
y12
b12
y13
b13−NH3
b13
y14
b14

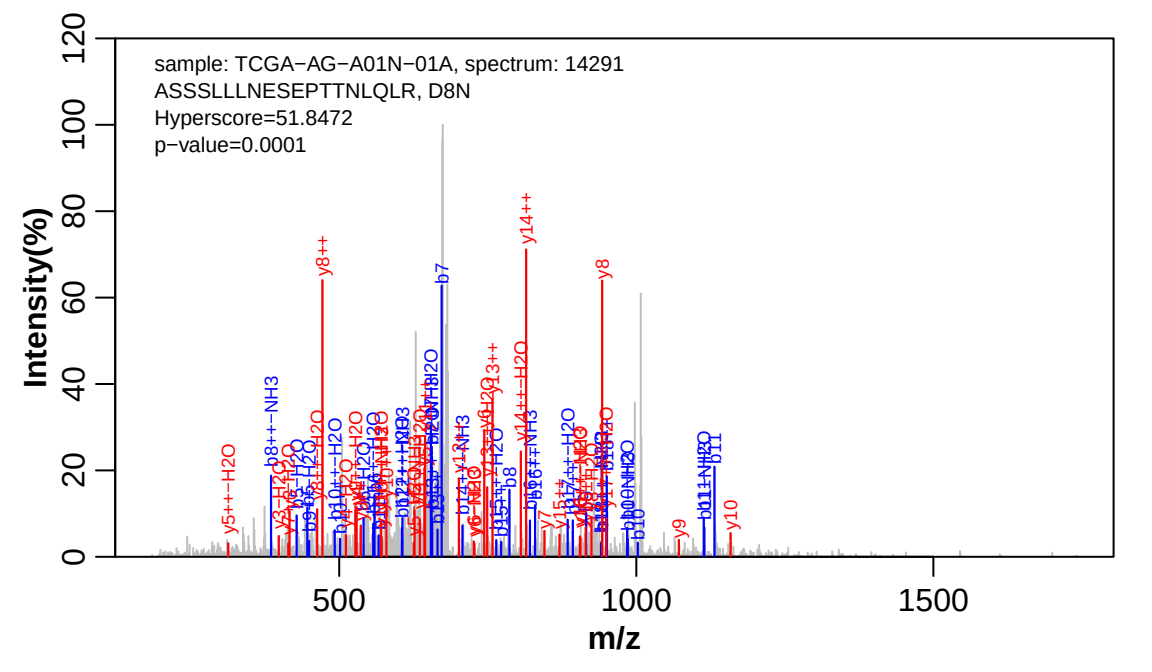

sample: TCGA−AG−A01N−01A, spectrum: 67662
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=87.4499
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9++−H2O
b5
y4
b6
y5
b7
y6
b8
b16++−H2O
b17++
b9
b18++
b20++−H2O
b19++−H2O
b20++
b21++−NH3
b21++
b13−H2O
b28++
b26++−NH3
b26++
b27++−H2O
b27++
y12
b28++−H2O

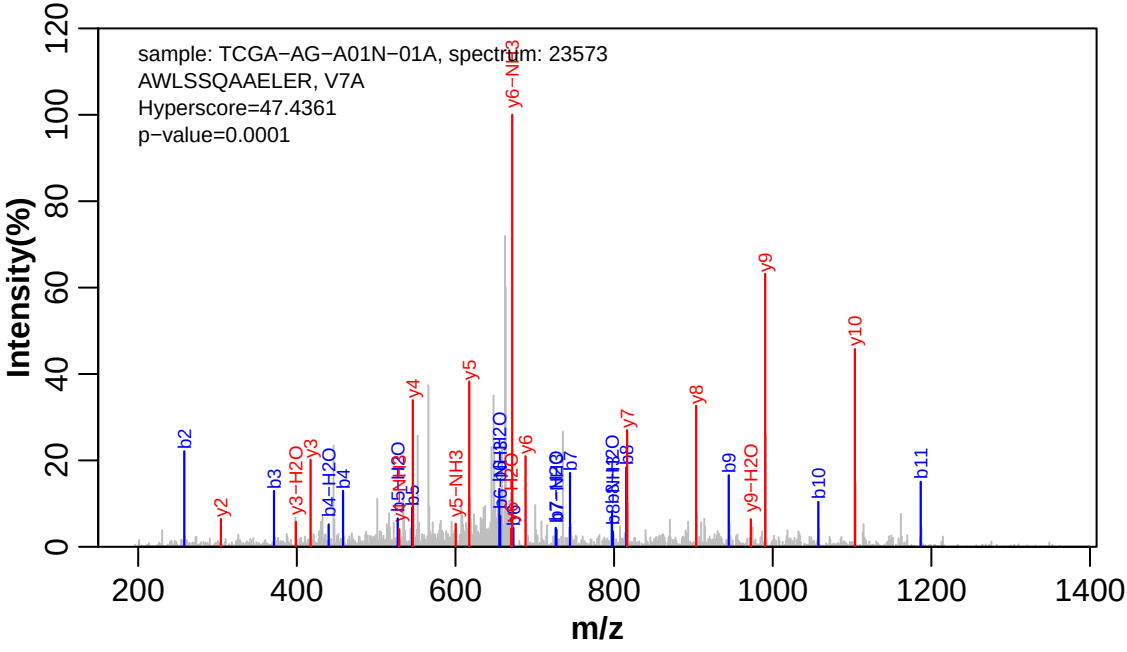

sample: TCGA−AG−A01N−01A, spectrum: 52253
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=31.5949
p−value=0.0001
Intensity(%)
m/z
y11++
y8++−H2O
y12++
y13++
y15++
y16++
y8−H2O
y17++
y10
b8
b10++−H2O
y4
b11++
y11++−H2O
y10++
y12++−NH3
y12++−H2O
y13++−H2O
y15++−H2O
y16++−H2O
y17++−H2O

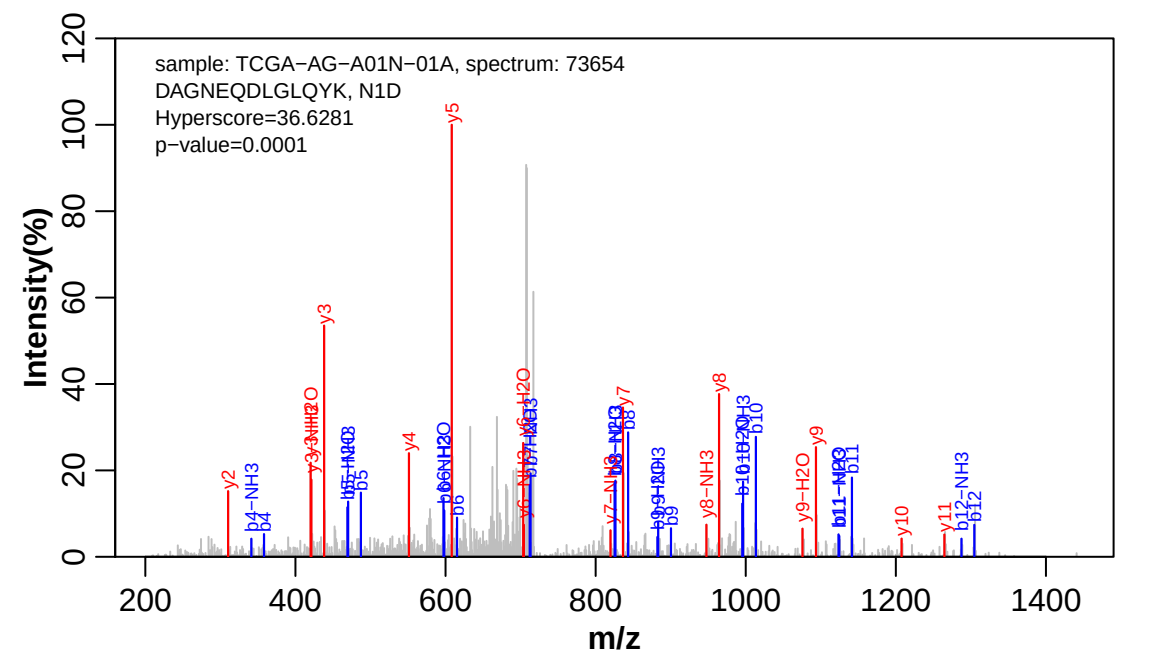

sample: TCGA−AG−A01N−01A, spectrum: 22071
AFSEYLGTDQSK, G4E
Hyperscore=27.3022
p−value=0.0001
Intensity(%)
m/z
y3
b4−H2O
b4
y4−NH3
y4
b5−H2O
b5
y6−NH3
y6
y6−H2O
b6−NH3
b6−H2O
b6
y7
b7
b8−H2O
b8
y8
b9
y9
b10
y10
b11

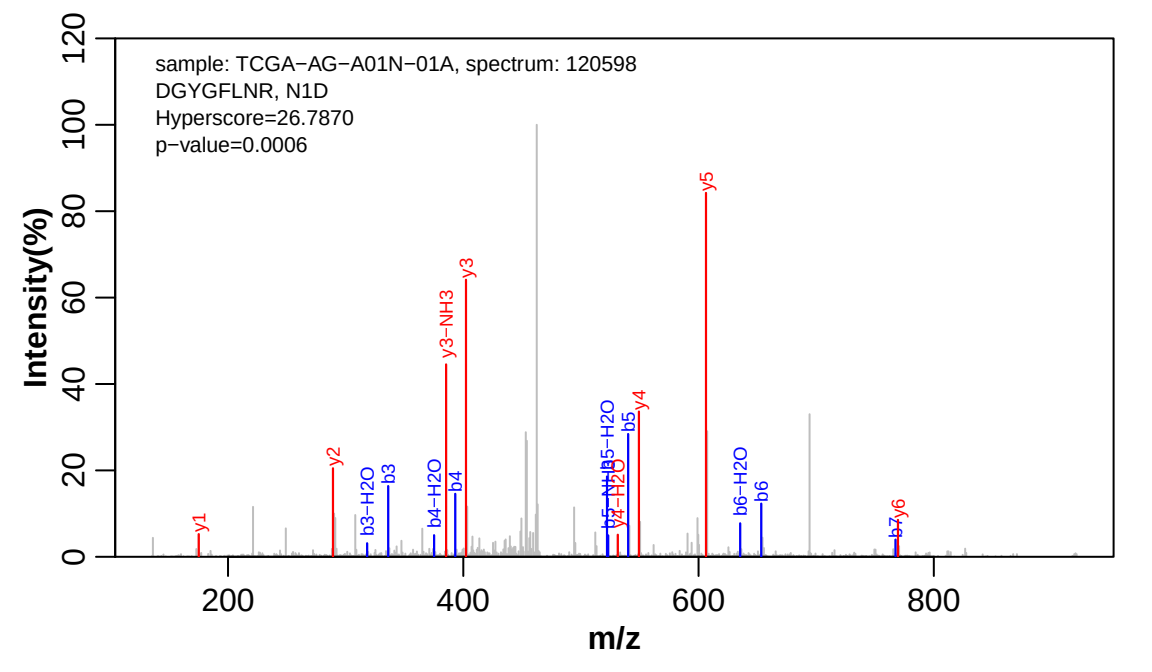

sample: TCGA−AG−A01N−01A, spectrum: 105333
AGDLGVDLTSK, P1A
Hyperscore=32.6277
p−value=0.0001
Intensity(%)
m/z
y7
y5
y6
y8
b6
b4
b3
b5
b6−H2O
y4
y3
y2
b7
b8
b9
y9

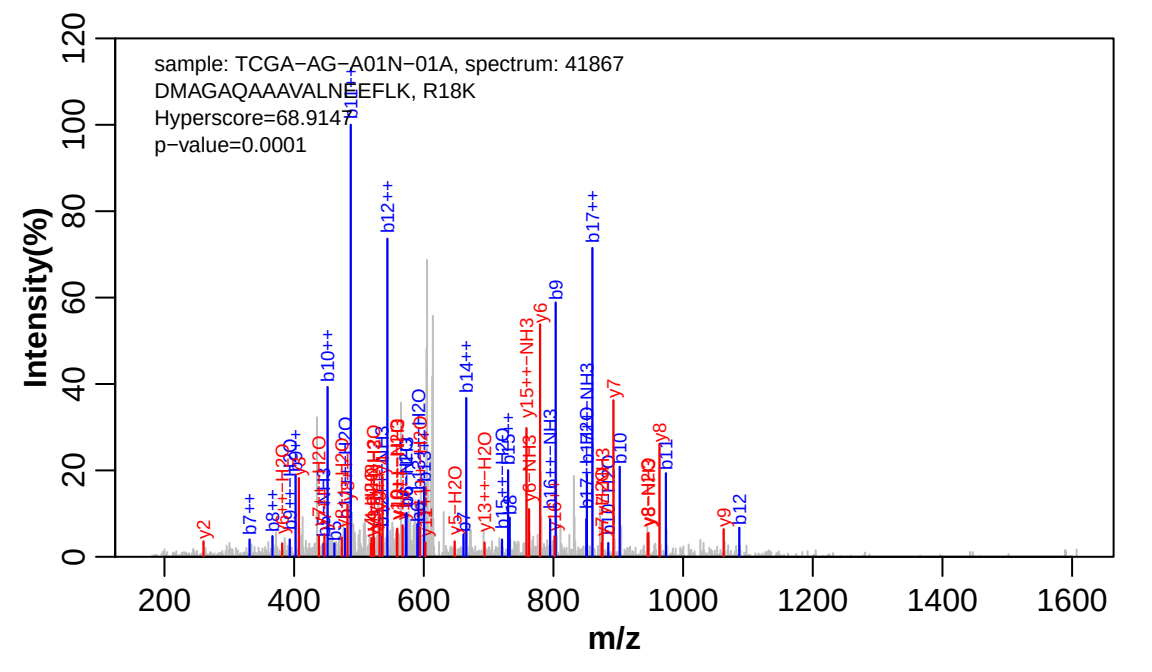

sample: TCGA−AG−A01N−01A, spectrum: 9801
AGVETTTPSK, K7T
Hyperscore=25.8745
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
y8

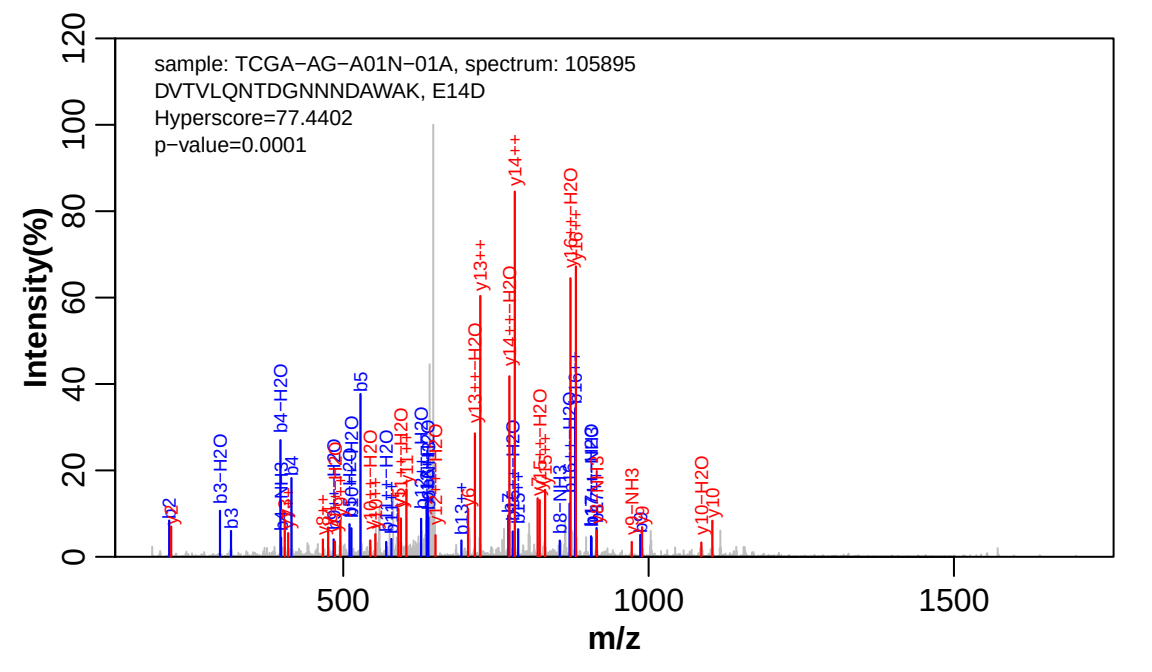

sample: TCGA−AG−A01N−01A, spectrum: 14291
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=51.8472
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
y14++
b7
y8
y5++−H2O
b8++−NH3
y13++
y9
y10
b11

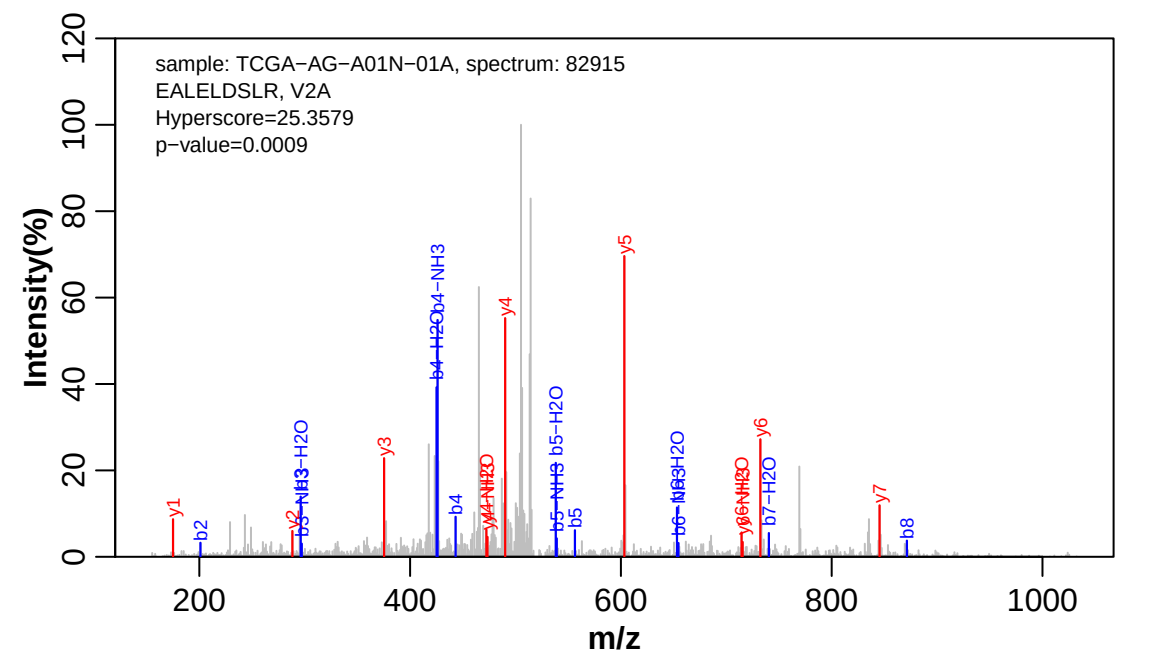

sample: TCGA−AG−A01N−01A, spectrum: 23573
AWLSSQAAELER, V7A
Hyperscore=47.4361
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3−H2O
y3
b4−H2O
b4
y4
b5
y5−NH3
y5
b6−NH3
b6−H2O
y6−NH3
y6
b7
y7
b8
y8
b9
y9−H2O
y9
b10
y10
b11

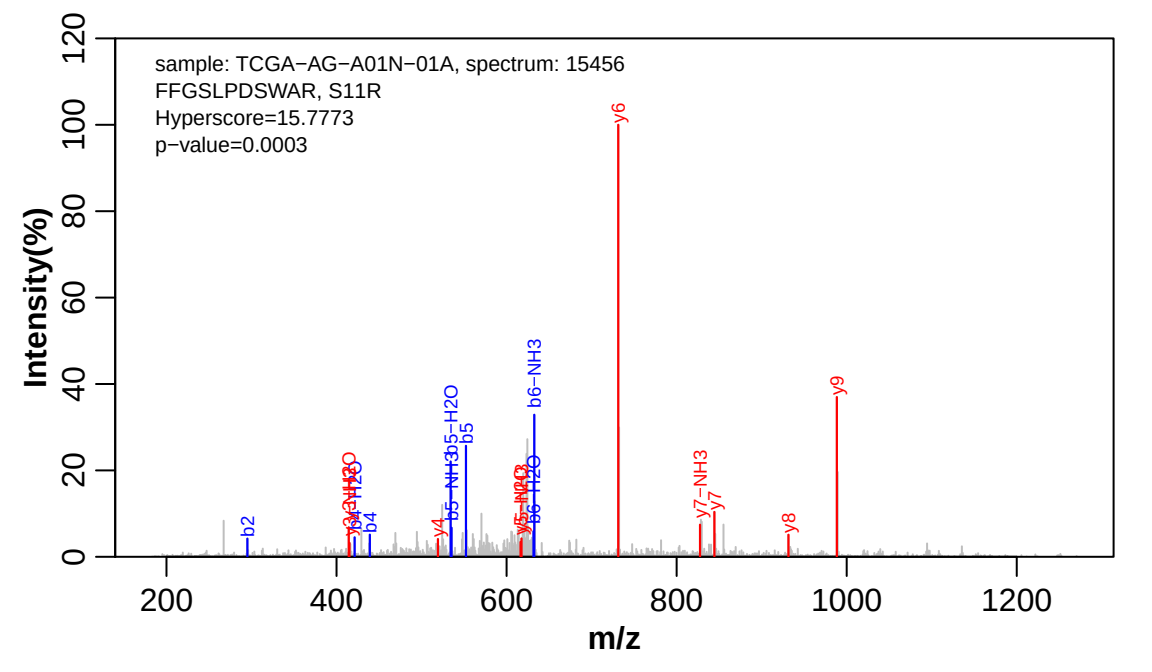

sample: TCGA−AG−A01N−01A, spectrum: 73654
DAGNEQDLGLQYK, N1D
Hyperscore=36.6281
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y3
y4
y2
b4−NH3
y8
y7
y9
y9−H2O
y8−NH3
b10
b11
y10
y11
b12−NH3
b12

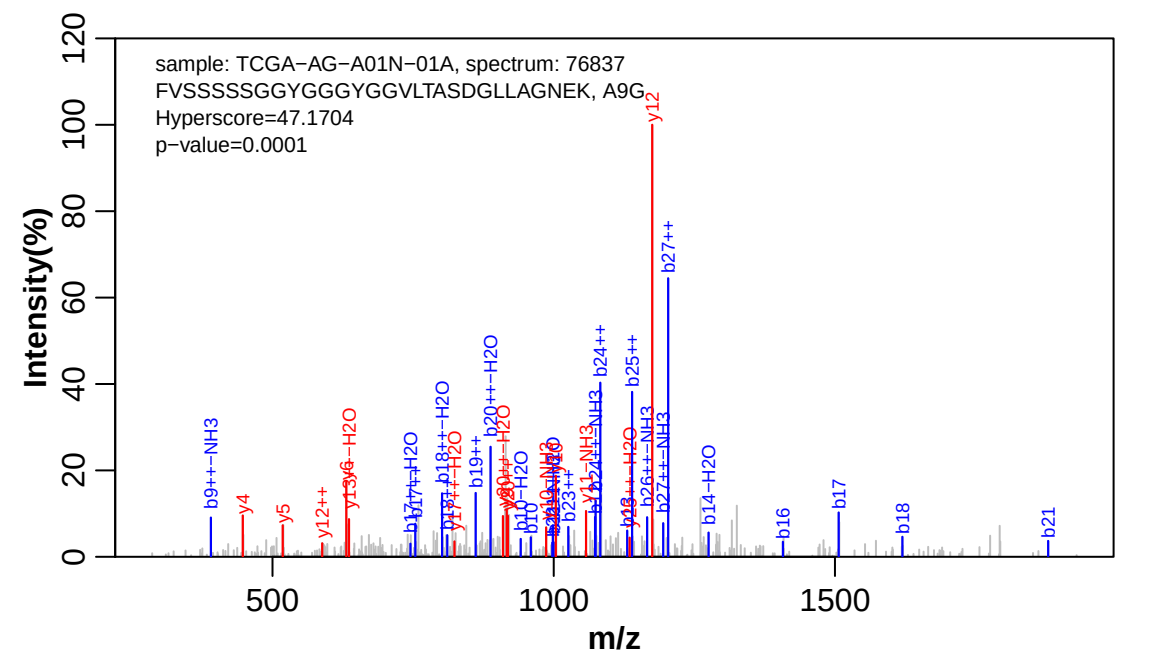

sample: TCGA−AG−A01N−01A, spectrum: 120598
DGYGFLNR, N1D
Hyperscore=26.7870
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
y3
b4
b5−NH3
b5−H2O
y4−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

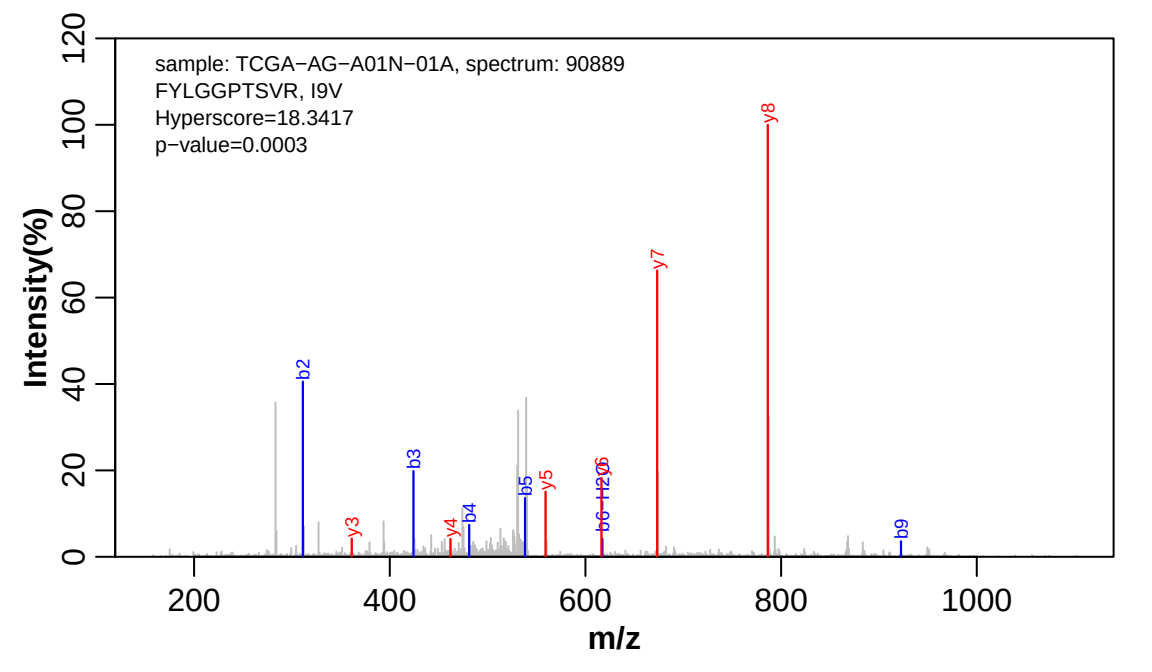

sample: TCGA−AG−A01N−01A, spectrum: 41867
DMAGAQAAAVALNEEFLK, R18K
Hyperscore=68.9147
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b11++
b12++
b10++
b17++
b9
b14++
y6
y15++−NH3
y7
b10
b11
y8
y9
b12
y2
b7++
b8++
y5−H2O
b15++−H2O
y13++−H2O

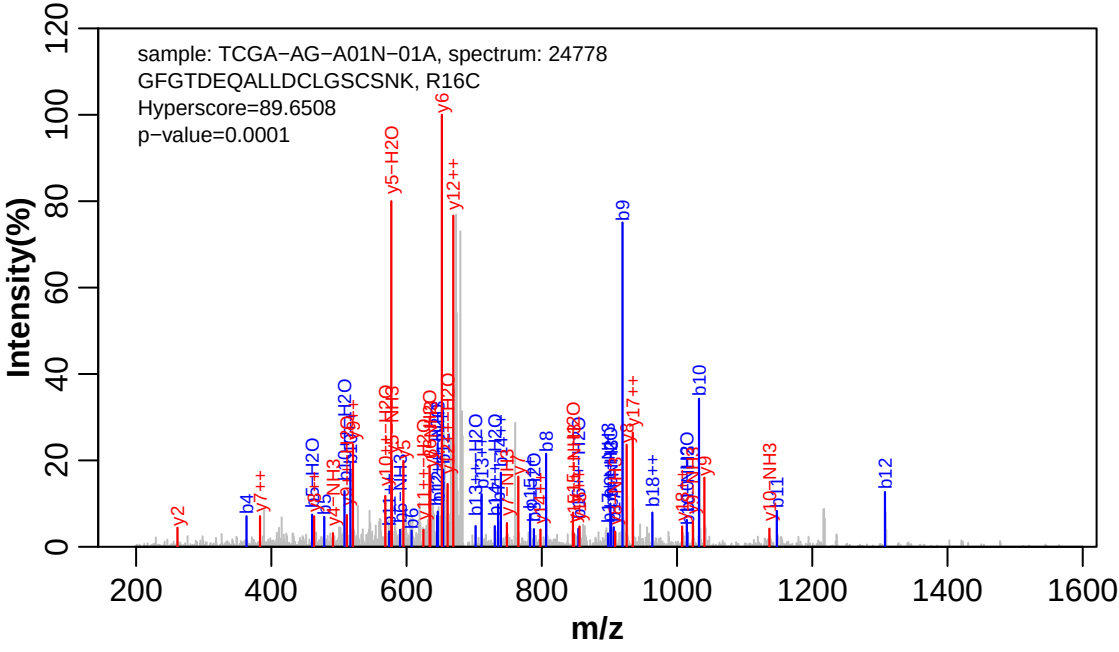

sample: TCGA−AG−A01N−01A, spectrum: 105895
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=77.4402
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y2
b3−H2O
b3
b4−H2O
b4
b5
y14++
y14++−H2O
y13++
y13++−H2O
y16++−H2O
y10++−H2O
y10++
b13++
b13+
b8−NH3
b8
y8−NH3
y8
y10−H2O
y10

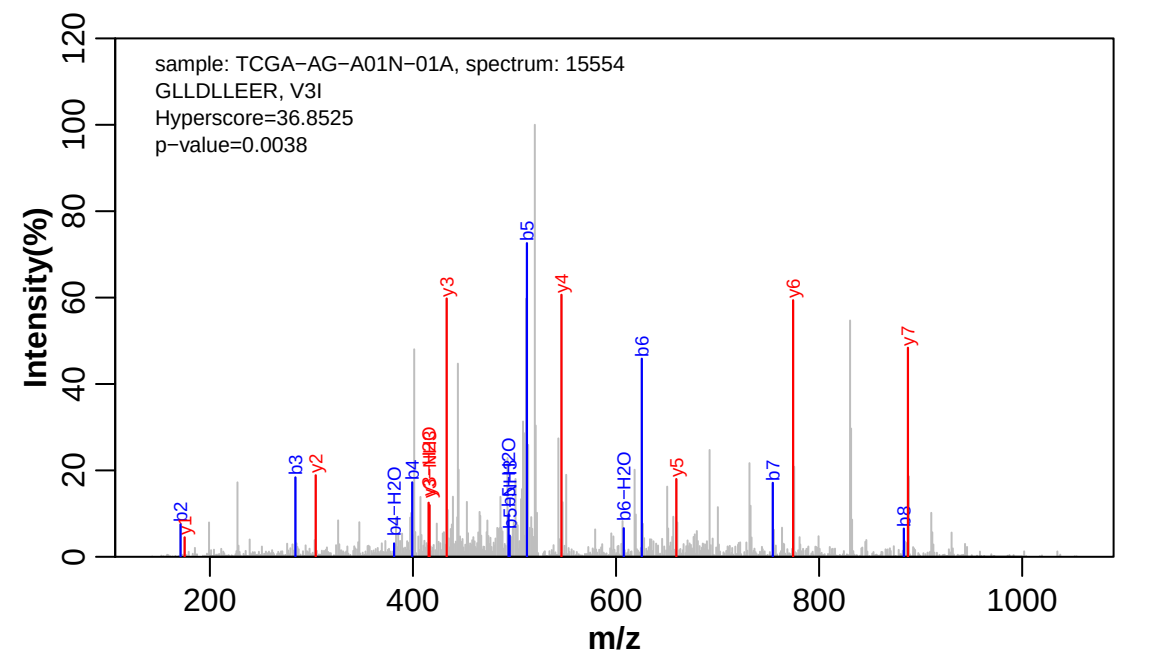

sample: TCGA−AG−A01N−01A, spectrum: 82915
EALELDSLR, V2A
Hyperscore=25.3579
p−value=0.0009
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
b3−H2O
y3
b4−NH3
b4−H2O
b4
y4
y4−NH3
y4−H2O
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6−H2O
y6−NH3
y6−H2O
y6
b7−H2O
y7
b8

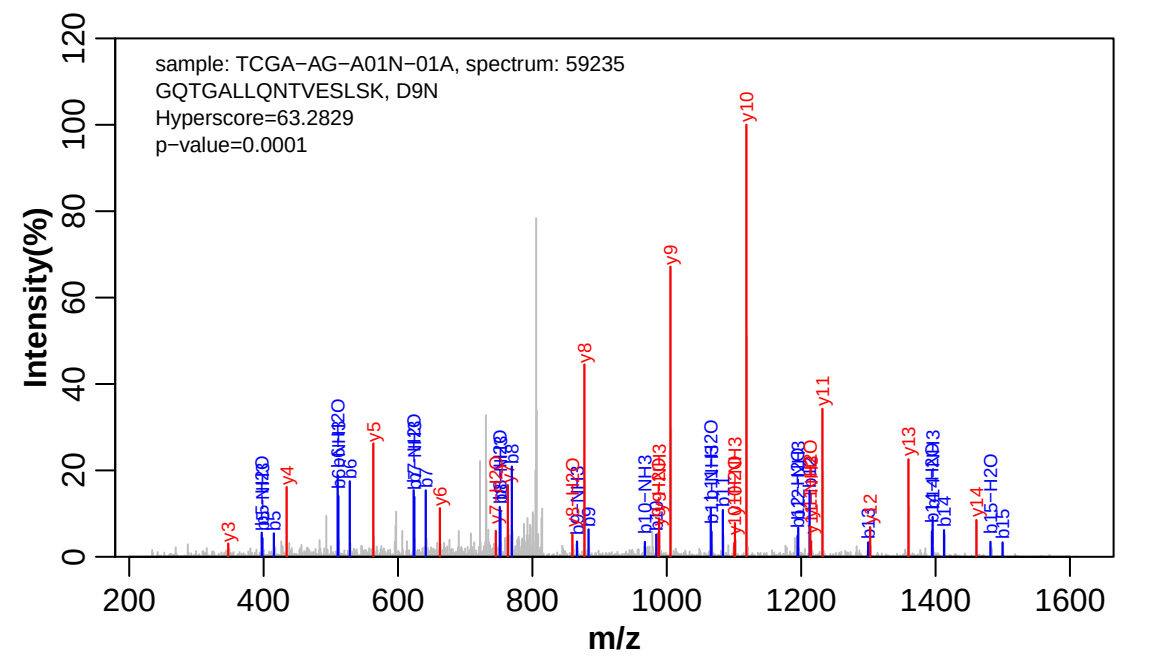

sample: TCGA−AG−A01N−01A, spectrum: 15456
FFGSLPDSWAR, S11R
Hyperscore=15.7773
p−value=0.0003
Intensity(%)
m/z
y6
y9
b6−NH3
b5−H2O
b5
y7−NH3
y7
y8
b2
b4
y4
0
20
40
60
80
100
120
200
400
600
800
1000
1200

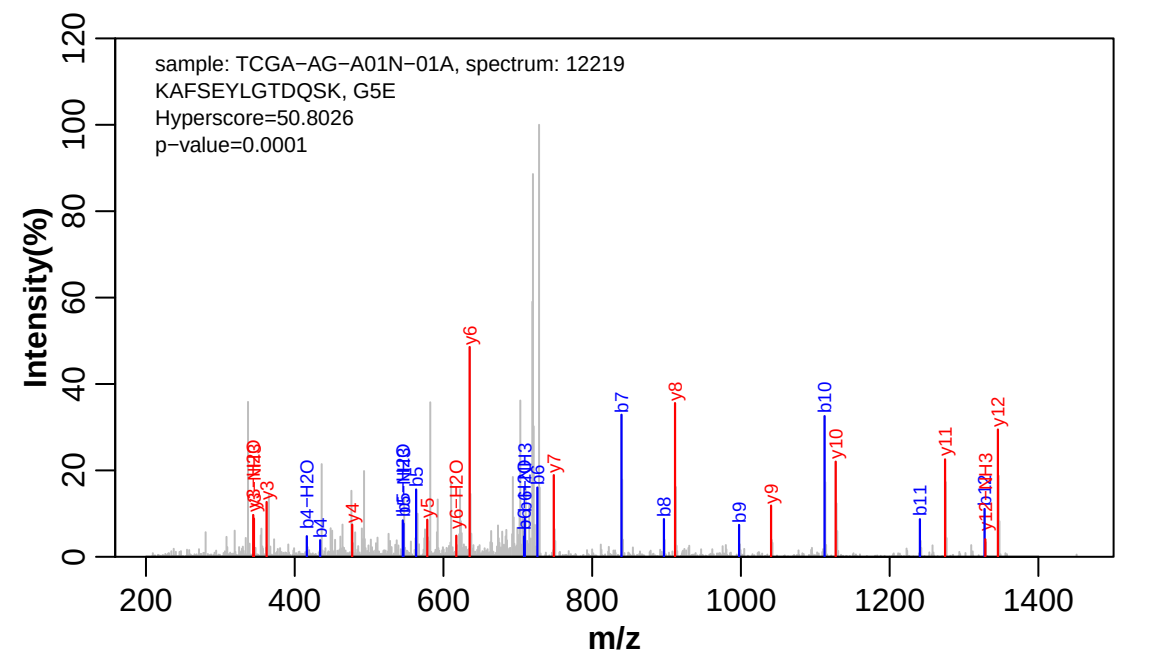

sample: TCGA−AG−A01N−01A, spectrum: 76837
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=47.1704
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
b27++
b24++
b25++
b9++−NH3
y4
y5
y12++
y13y6−H2O
b17++−H2O
b18++−H2O
b19++
b20++−H2O
b14−H2O
b16
b17
b18
b21

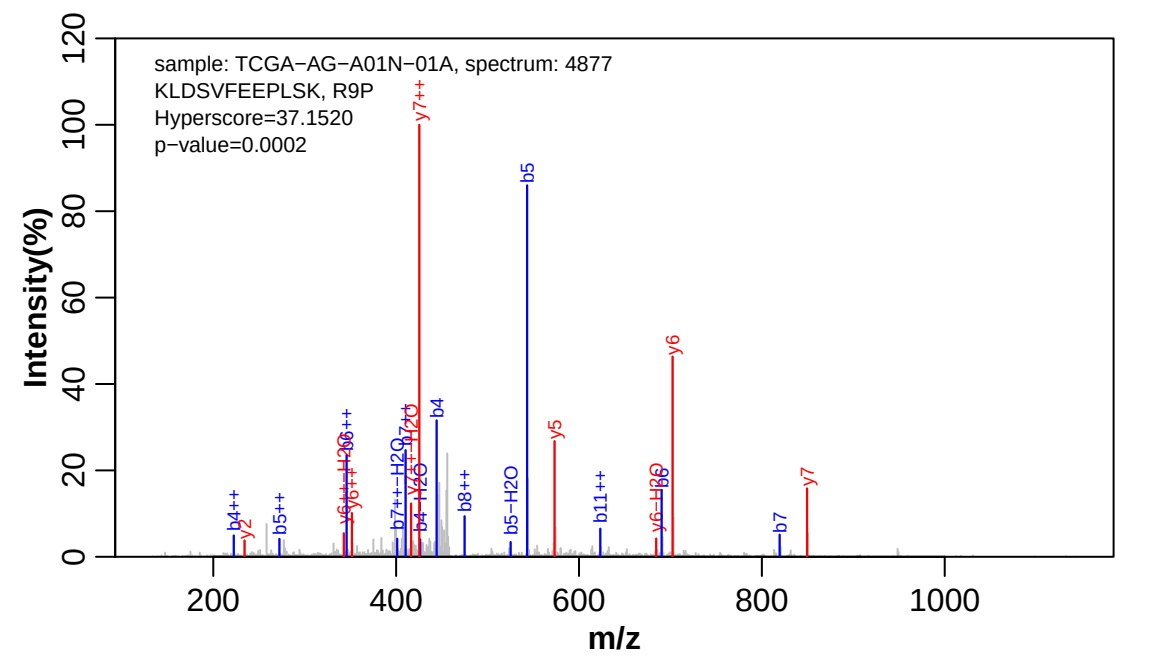

sample: TCGA−AG−A01N−01A, spectrum: 90889
FYLGGPTSVR, I9V
Hyperscore=18.3417
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
y3
b3
y4
b4
b5
y5
b6−H2O
y6
y7
y8
b9

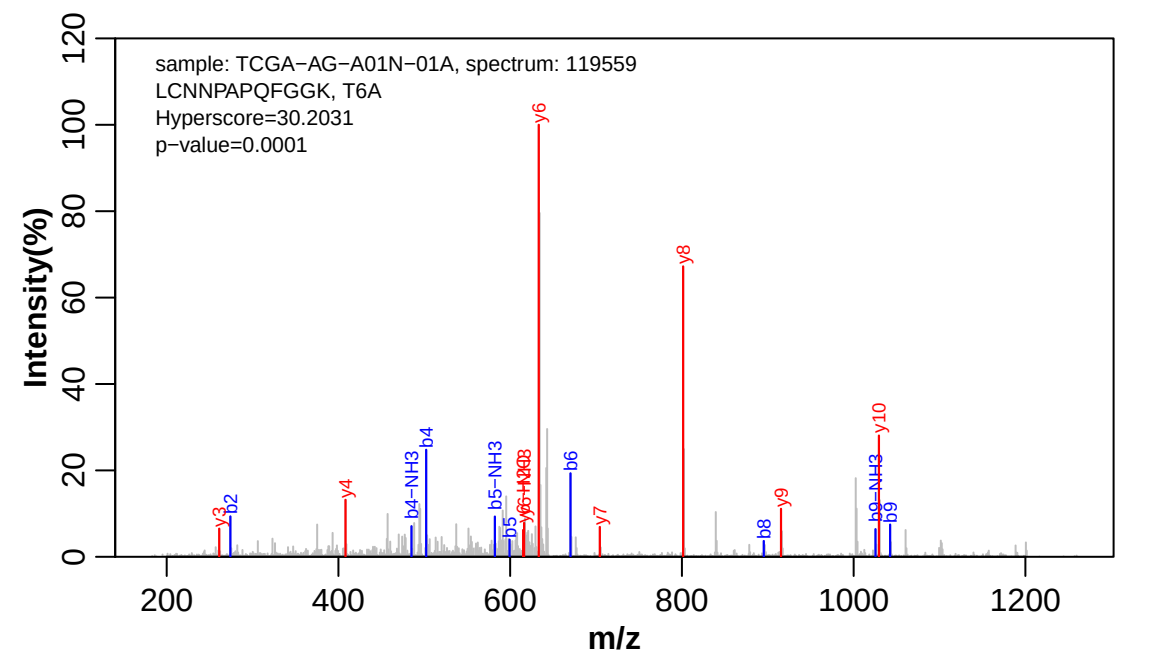

sample: TCGA−AG−A01N−01A, spectrum: 24778
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=89.6508
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y5−H2O
y12++
b9
b10
b12
y2
b4
y7++
b8
y17++
b18++
y10−NH3
b11
y9

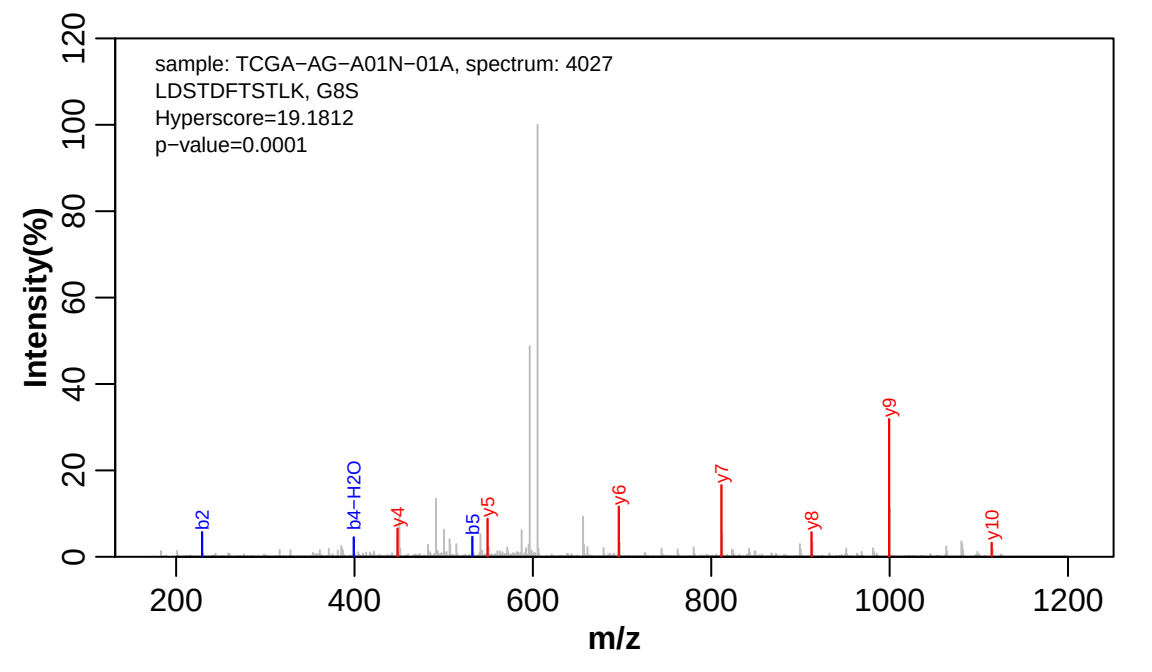

sample: TCGA−AG−A01N−01A, spectrum: 15554
GLLDLLEER, V3I
Hyperscore=36.8525
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
b3
y2
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
b6
b6−H2O
y5
b7
y6
y7
b8

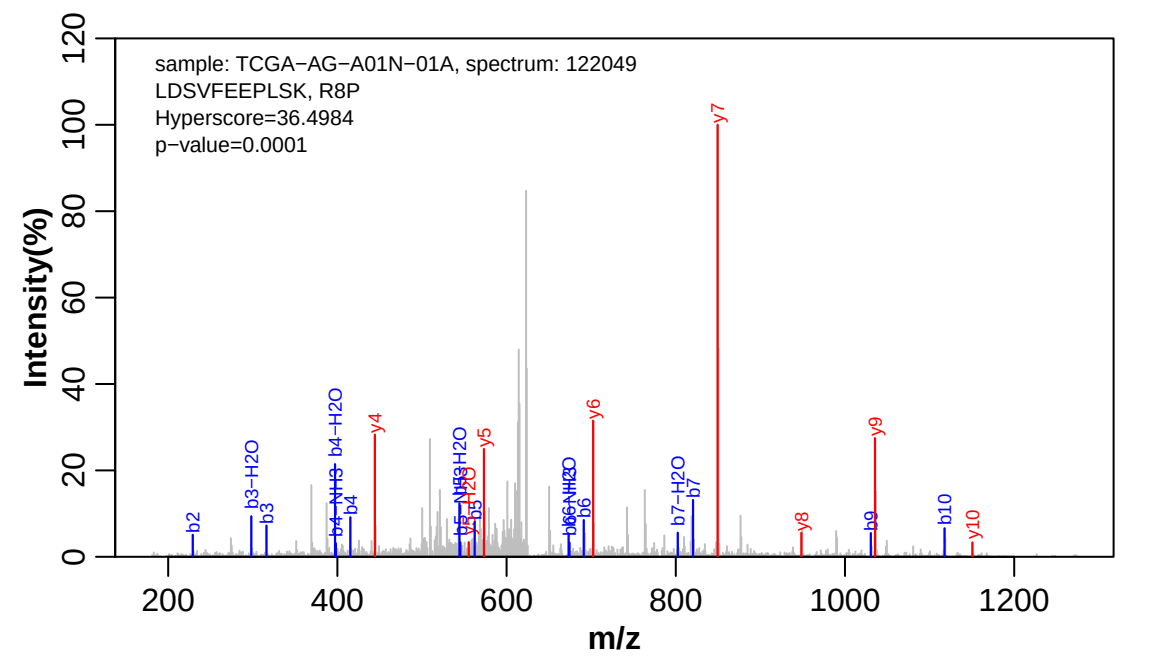

sample: TCGA−AG−A01N−01A, spectrum: 59235
GQTGALLQNTVESLSK, D9N
Hyperscore=63.2829
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y5
y4
y6
y3
y13
y14
b15−H2O

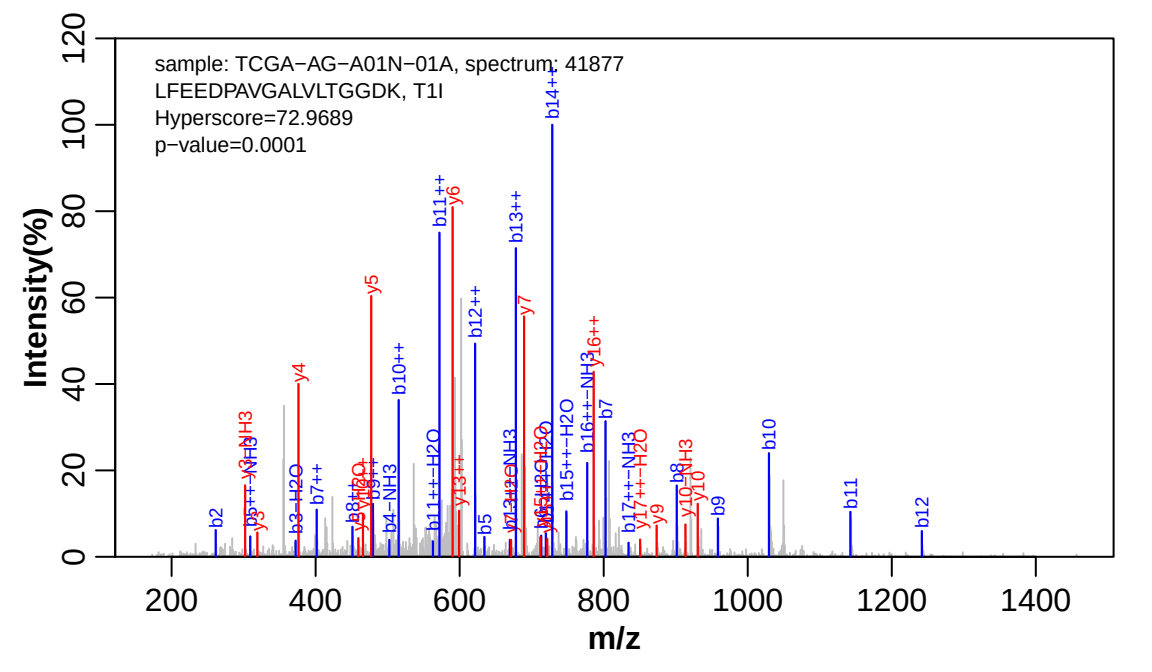

sample: TCGA−AG−A01N−01A, spectrum: 12219
KAFSEYLGTDQSK, G5E
Hyperscore=50.8026
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y6
b7
y8
b10
y12
y10
y11
y7
b4−H2O
y6−H2O
y5
y4
b4
b8
b9
y9
b11

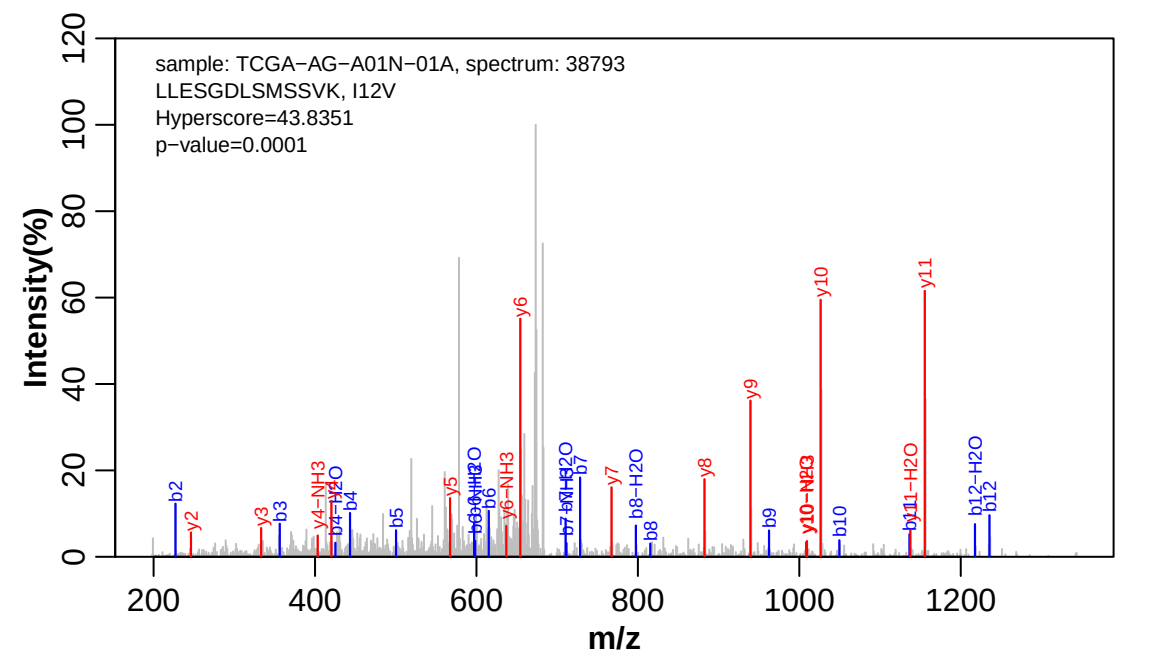

sample: TCGA−AG−A01N−01A, spectrum: 4877
KLDSVFEEPLSK, R9P
Hyperscore=37.1520
p−value=0.0002
Intensity(%)
m/z
y7++
b5
y6
y5
b4
b4++
y2
b5++
b8++
b5−H2O
b11++
y7
b7

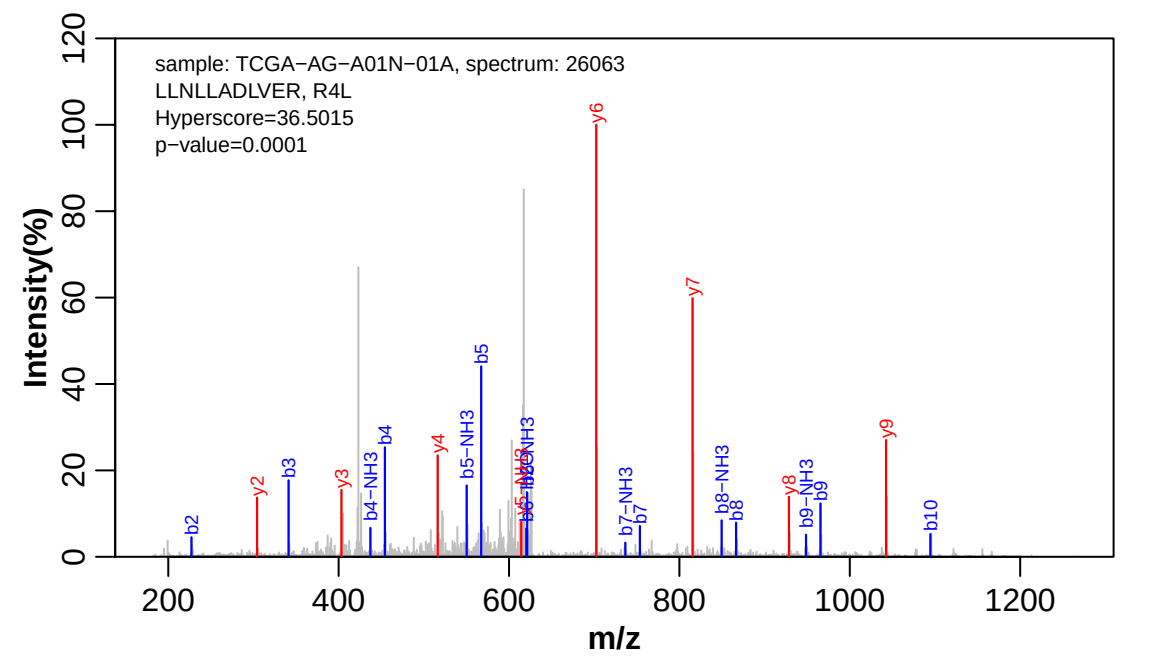

sample: TCGA−AG−A01N−01A, spectrum: 119559
LCNNPAPQFGGK, T6A
Hyperscore=30.2031
p−value=0.0001
Intensity(%)
m/z
y6
y8
y10
y4
y3
b2
b4
b4−NH3
b5−NH3
b5
b6
y7
y9
b8
b9−NH3
b9

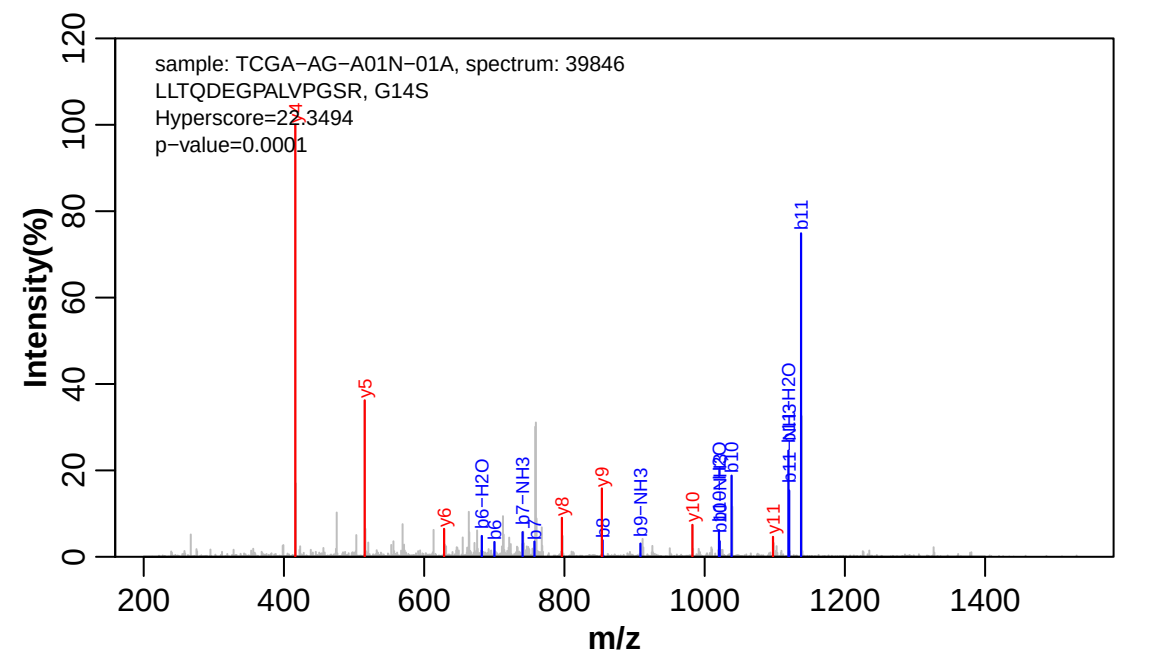

sample: TCGA−AG−A01N−01A, spectrum: 4027
LDSTDFTSTLK, G8S
Hyperscore=19.1812
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
m/z
b2
b4−H2O
y4
b5
y5
y6
y7
y8
y9
y10

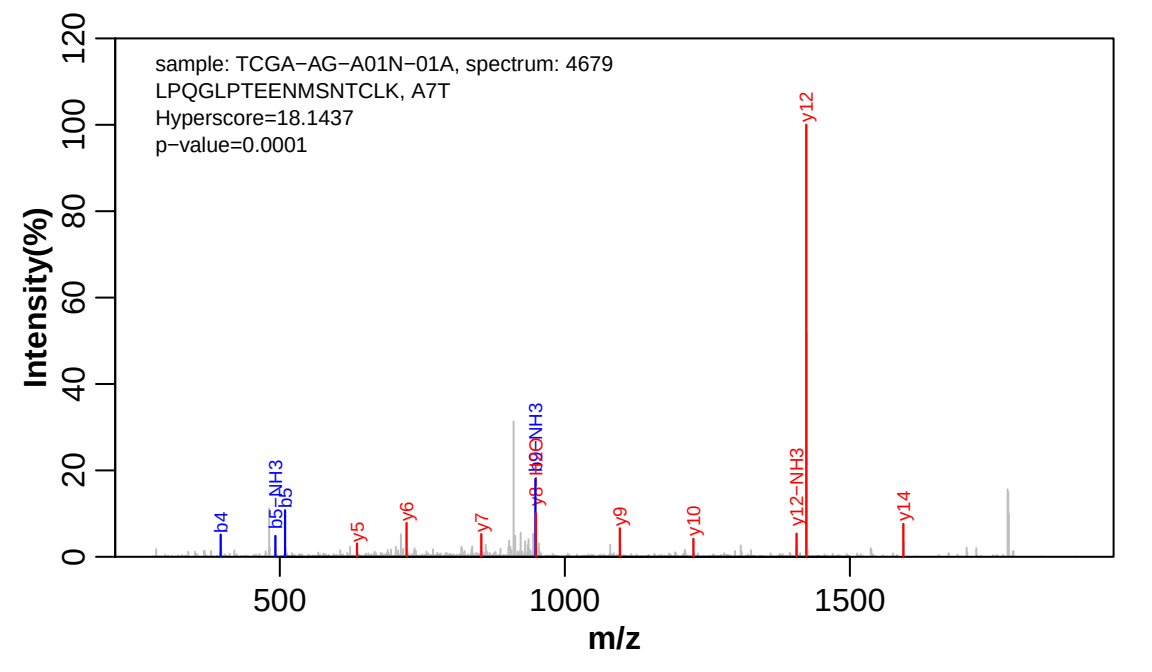

sample: TCGA−AG−A01N−01A, spectrum: 122049
LDSVFEEPLSK, R8P
Hyperscore=36.4984
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3−H2O
b3
b4−NH3
b4−H2O
b4
y4
y5
y6
y7
y8
y9
y10
b6
b7−H2O
b7
b9
b10

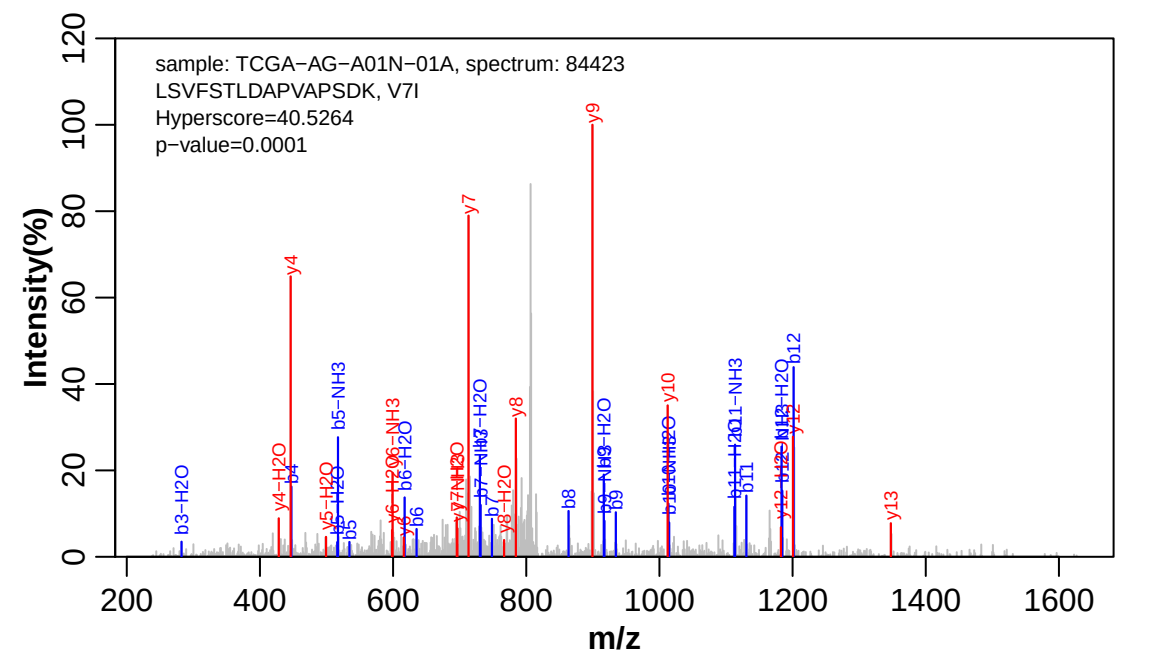

sample: TCGA−AG−A01N−01A, spectrum: 41877
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=72.9689
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b14++
b11++
y6
b13++
y5
b12++
y7
b10++
y4
y16++
b7
b2
b3−H2O
b7++
b4−NH3
b11++−H2O
y13++
b5
b15++−H2O
b16++−NH3
b17++−NH3
y17++−H2O
y9
b9
y10−NH3
b8
y10
b10
b11
b12

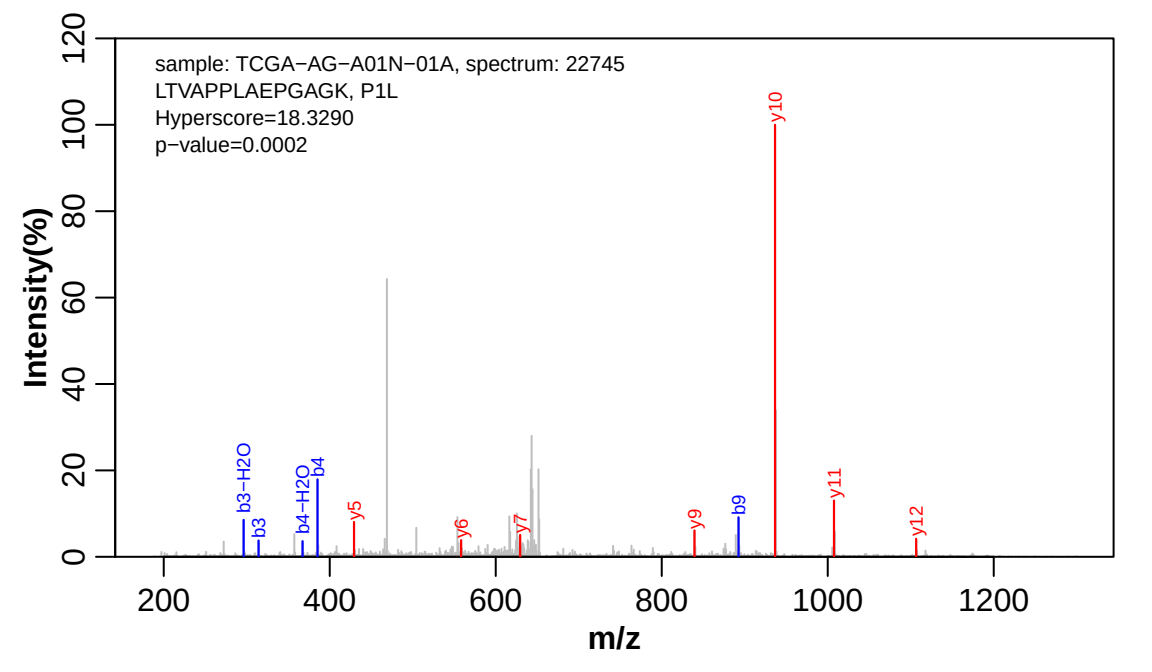

sample: TCGA−AG−A01N−01A, spectrum: 38793
LLESGDLSMSSVK, I12V
Hyperscore=43.8351
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b3
y4−NH3
b4−H2O
b4
b5
y5
b6−NH3
b6−H2O
b6
y6−NH3
y6
b7−NH3
b7−H2O
b7
y7
b8−H2O
b8
y8
y9
b9
y10−NH3
y10−H2O
y10
b10
b11−H2O
y11
b12−H2O
b12

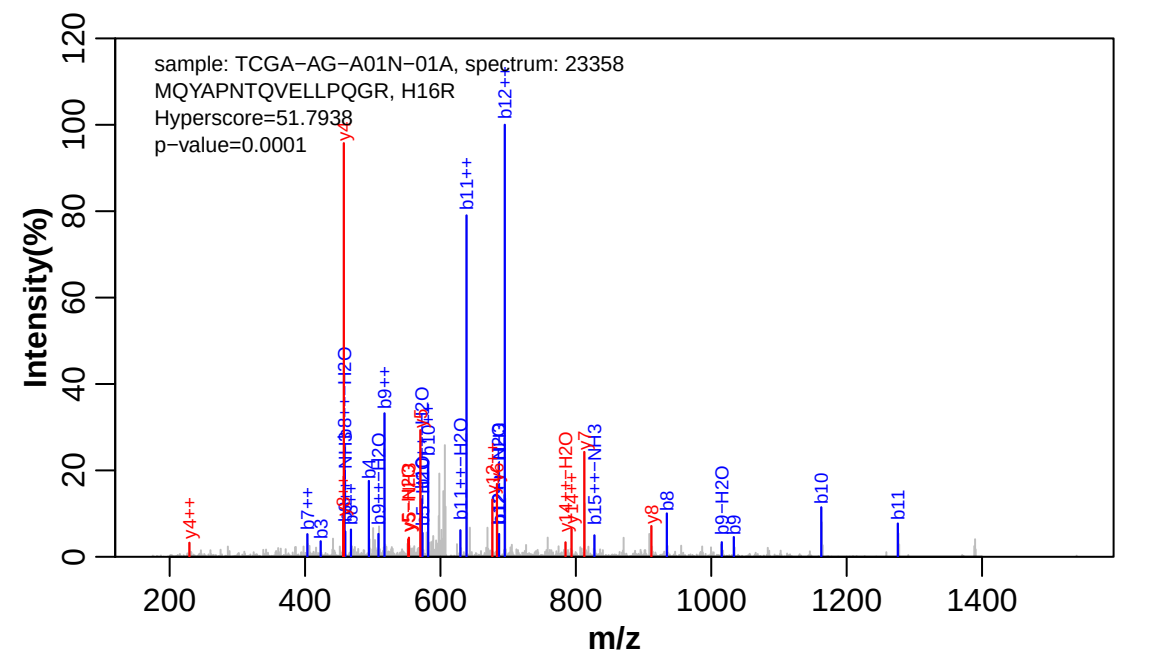

sample: TCGA−AG−A01N−01A, spectrum: 26063
LLNLLADLVER, R4L
Hyperscore=36.5015
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
y6
y7
y9
y8
y4
y3
y2
b5
b5−NH3
b4
b4−NH3
b3
b2
b7−NH3
b7
b8−NH3
b8
b9−NH3
b9
b10

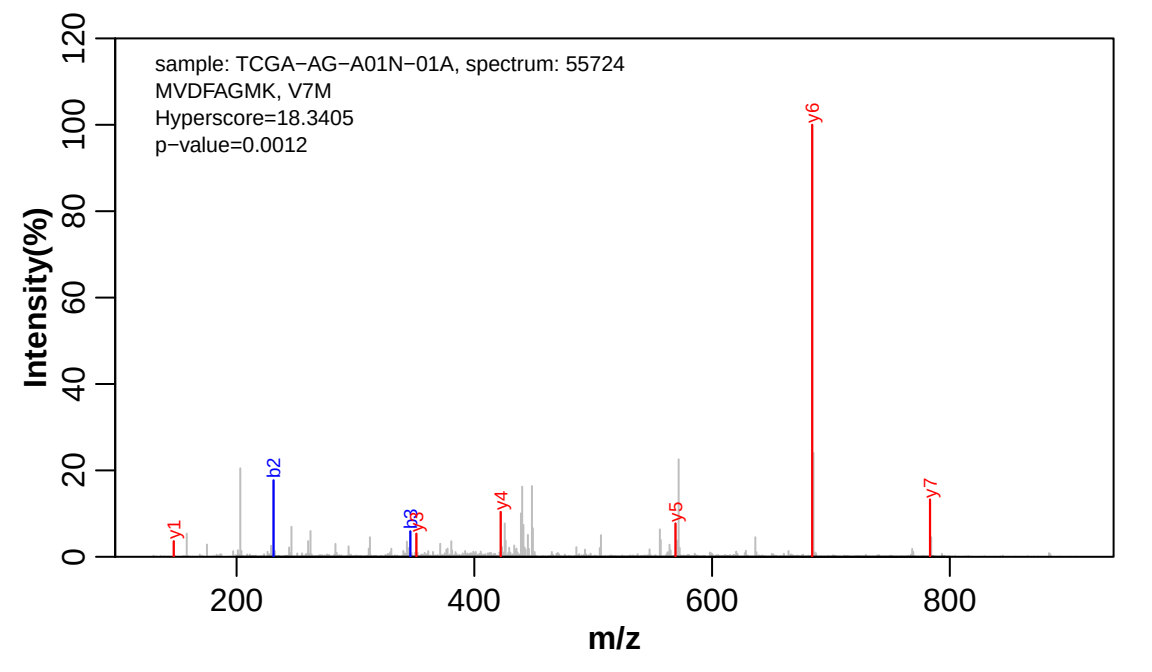

sample: TCGA−AG−A01N−01A, spectrum: 39846
LLTQDEGPALVPGSR, G14S
Hyperscore=22.3494
p−value=0.0001
Intensity(%)
m/z
y4
y5
y6
b6−H2O
b6
b7−NH3
b7
y8
y9
b8
b9−NH3
y10
b10
y11
b11
b11−H2O

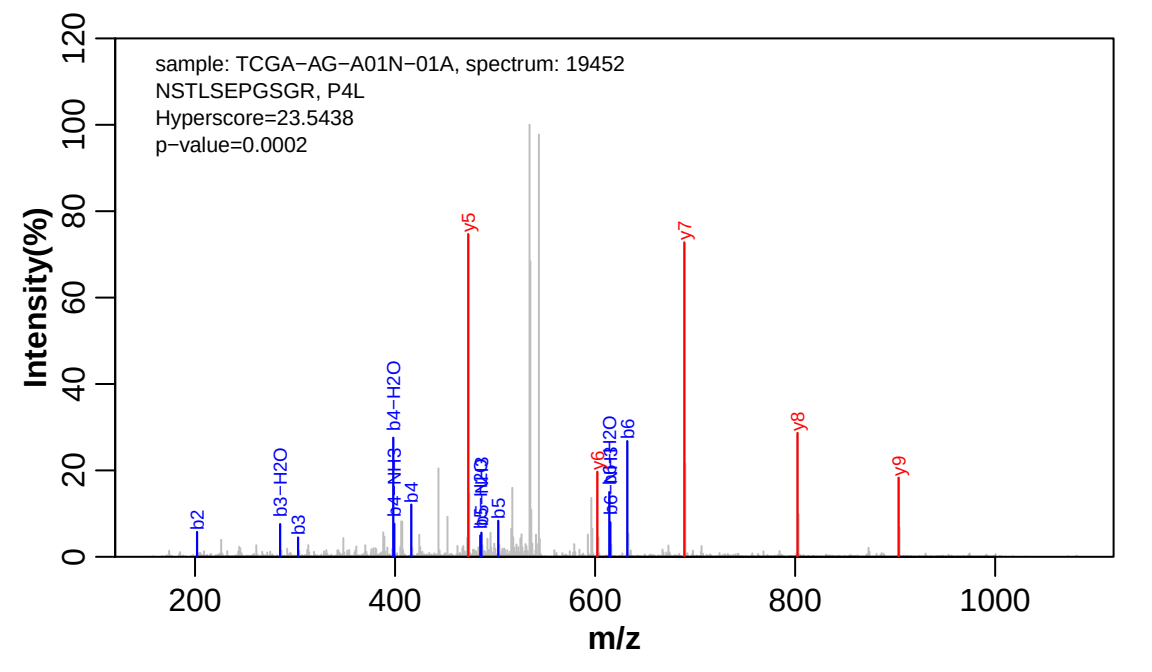

sample: TCGA−AG−A01N−01A, spectrum: 4679
LPQGLPTEENMSNTCLK, A7T
Hyperscore=18.1437
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4
b5−NH3
b5
y5
y6
y7
y8−H2O−NH3
y8
y9
y10
y12−NH3
y12
y14

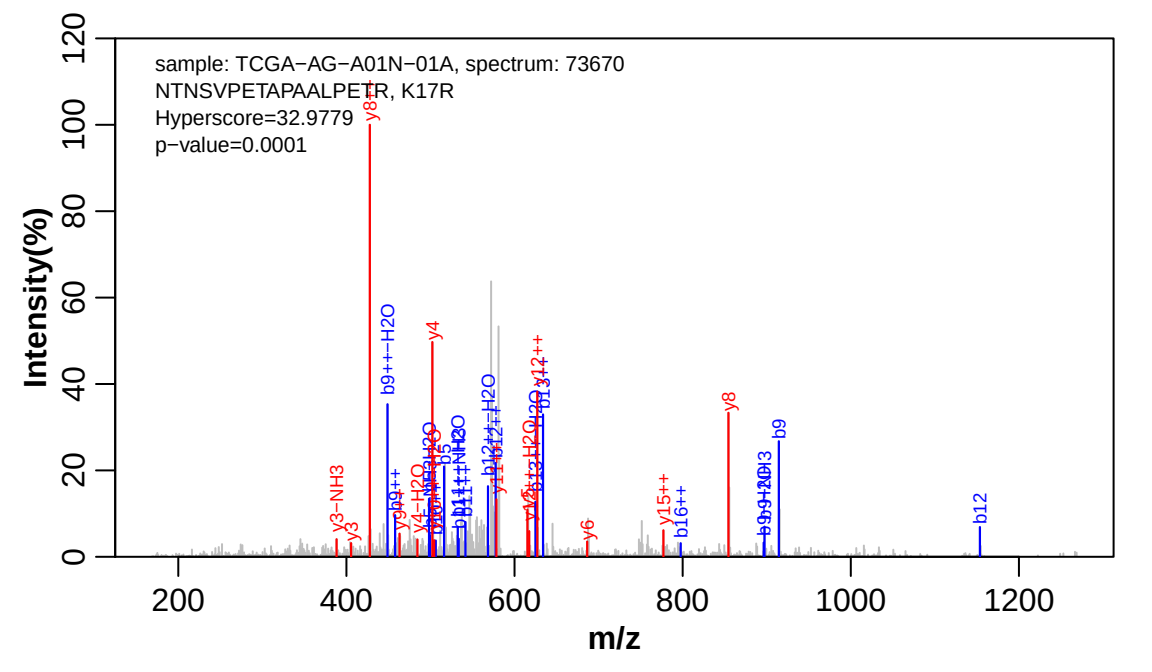

sample: TCGA−AG−A01N−01A, spectrum: 84423
LSVFSTLDAPVAPSDK, V7I
Hyperscore=40.5264
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y9
y7
y4
y8
y10
y13
b12
b8
b3−H2O
y4−H2O
b4
b5−NH3
y5−H2O
b5
b5−H2O
y6−H2O−NH3
y6−H2O
b6
b6−H2O
y7−H2O
y7−NH3
b7−NH3
b7−H2O
y8−H2O
b9
b9−NH3
b9−H2O
b11−NH3
b11
y12
y12−H2O
y12−NH3
y12−H2O−NH3
y13

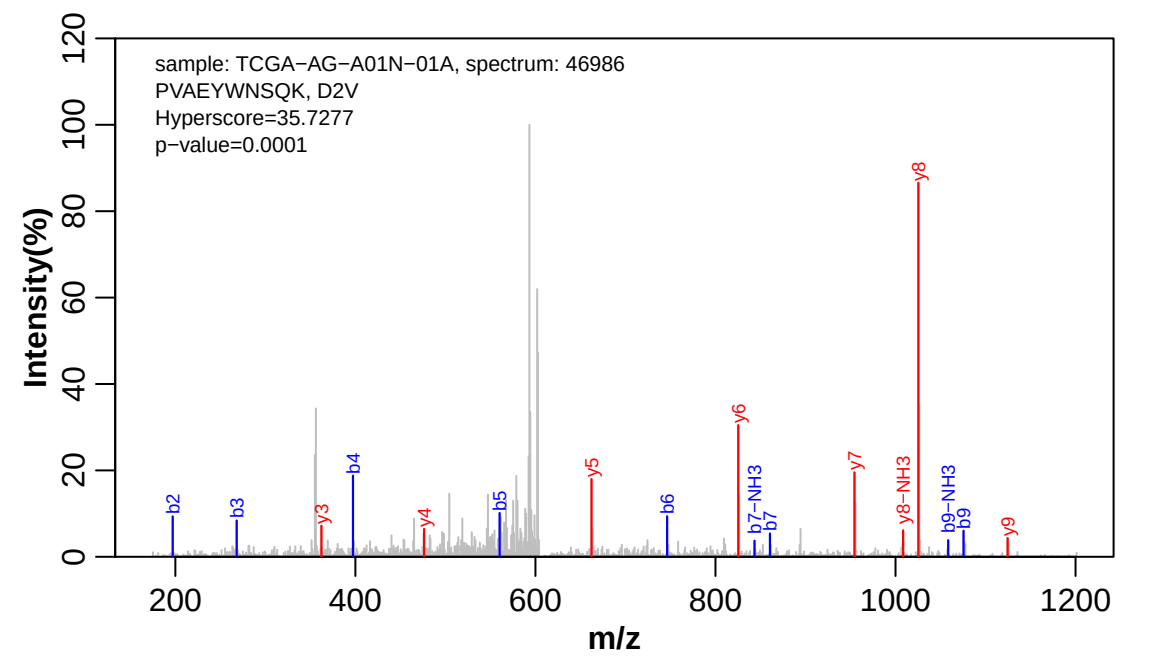

sample: TCGA−AG−A01N−01A, spectrum: 22745
LTVAPPLAEPGAGK, P1L
Hyperscore=18.3290
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
b4−H2O
b4
y5
y6
y7
y9
b9
y10
y11
y12

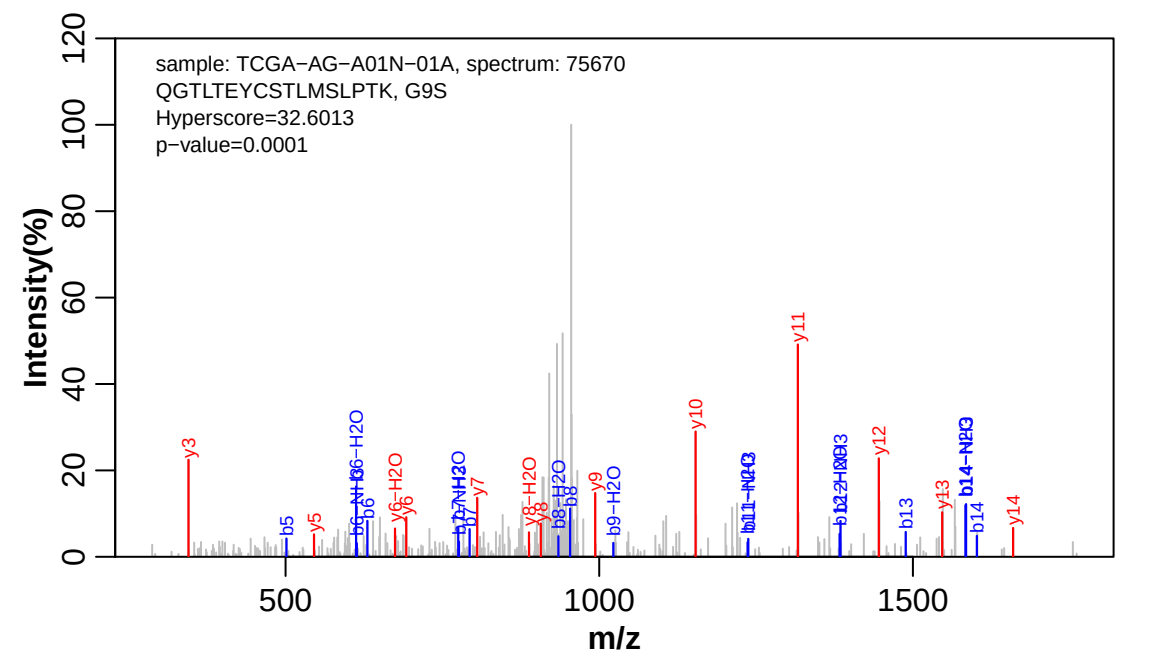

sample: TCGA−AG−A01N−01A, spectrum: 23358
MQYAPNTQVELLPQGR, H16R
Hyperscore=51.7938
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4++
b7++
b3
b8++−NH3
b8++−H2O
y4
b4
b9++−H2O
b9++
y5−NH3
b10++−H2O
b11++−H2O
b11++
b12++
y12++−H2O
y7
b15++−NH3
y8
b8
b9−H2O
b9
b10
b11

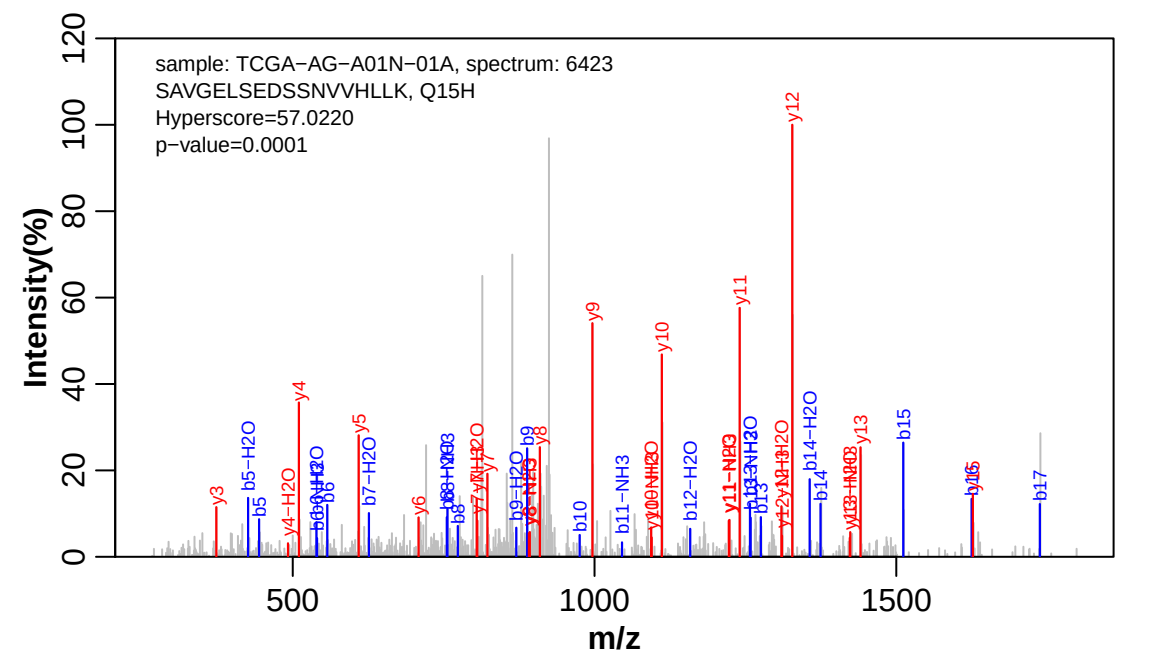

sample: TCGA−AG−A01N−01A, spectrum: 55724
MVDFAGMK, V7M
Hyperscore=18.3405
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
y4
y5
y6
y7

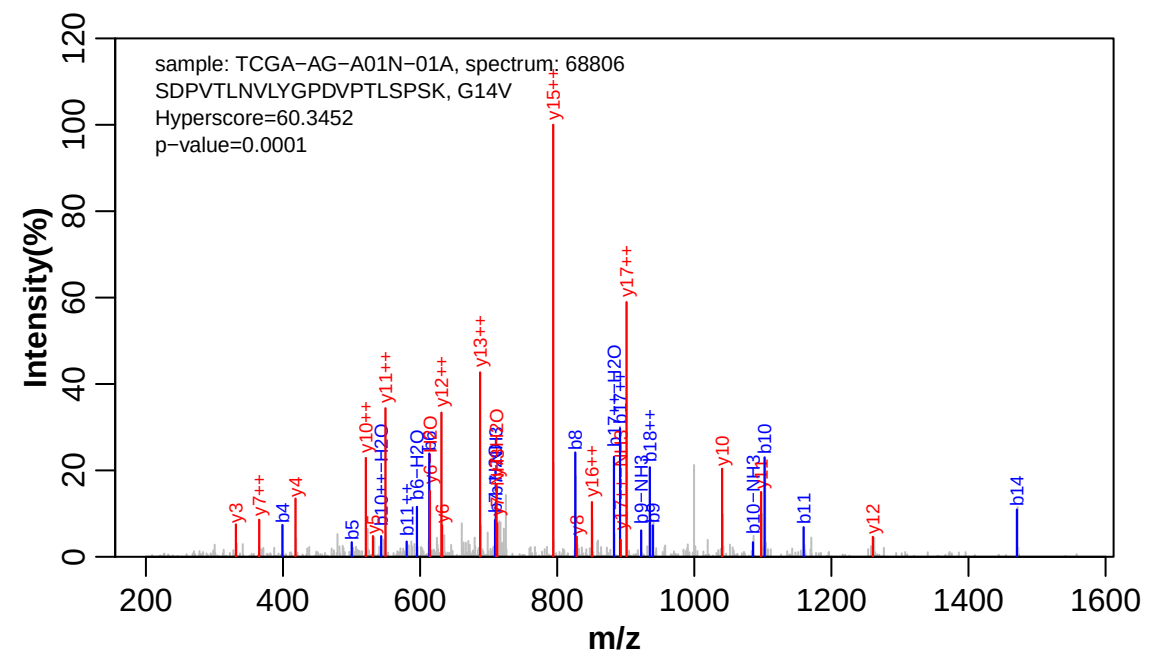

sample: TCGA−AG−A01N−01A, spectrum: 19452
NSTLSEPGSGR, P4L
Hyperscore=23.5438
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
b4−NH3
b4−H2O
b4
b5
y5
y7
y6
b6−H2O
b6
y8
y9

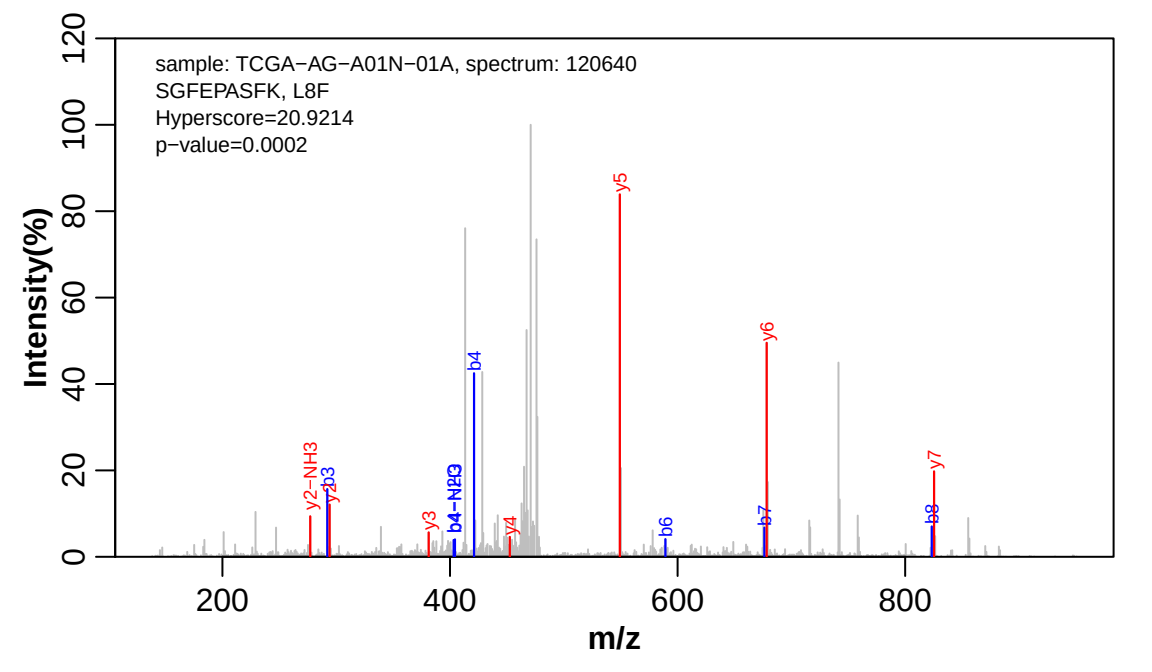

sample: TCGA−AG−A01N−01A, spectrum: 73670
NTNSVPETAPAALPETR, K17R
Hyperscore=32.9779
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y8++
b9++−H2O
y4
y3−NH3
y3
b9++
y4−H2O
b12++−H2O
y12++
y8
b9
y15++
b16++
y6
b12

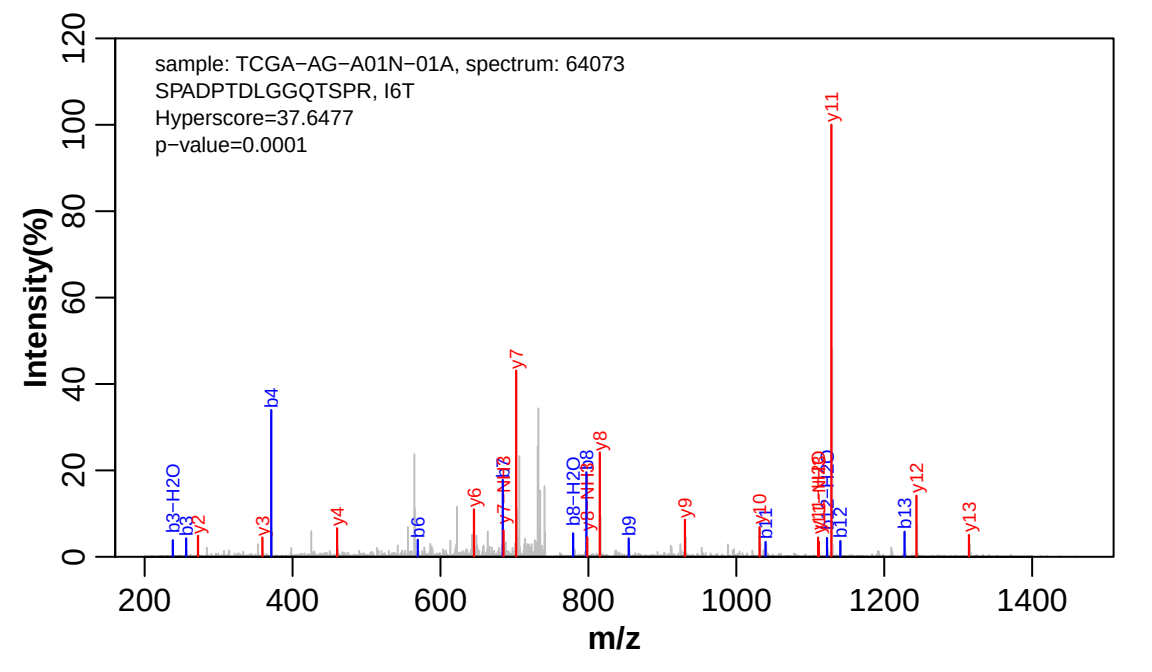

sample: TCGA−AG−A01N−01A, spectrum: 46986
PVAEYWNSQK, D2V
Hyperscore=35.7277
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b3
y3
b4
y4
b5
y5
b6
y6
b7−NH3
b7
y7
y8−NH3
y8
b9−NH3
b9
y9

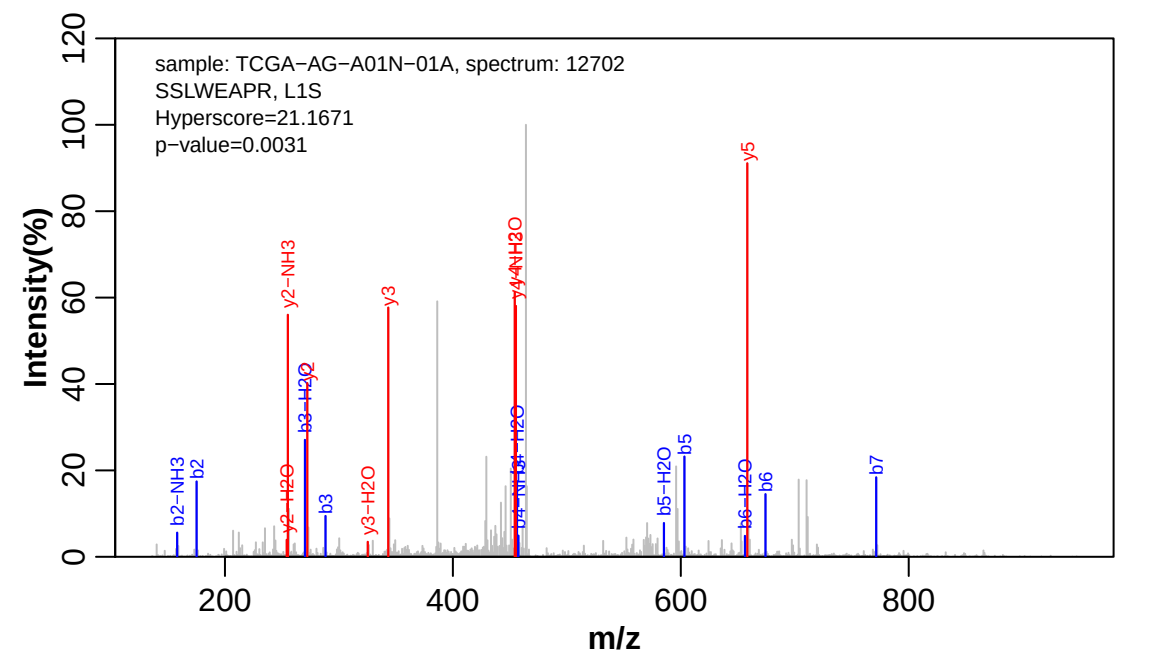

sample: TCGA−AG−A01N−01A, spectrum: 75670
QGTLTEYCSTLMSLPTK, G9S
Hyperscore=32.6013
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
b5
y5
b6
y6
y7
b8
y8
b9
y9
y10
y11
y12
b13
y13
b14
y14

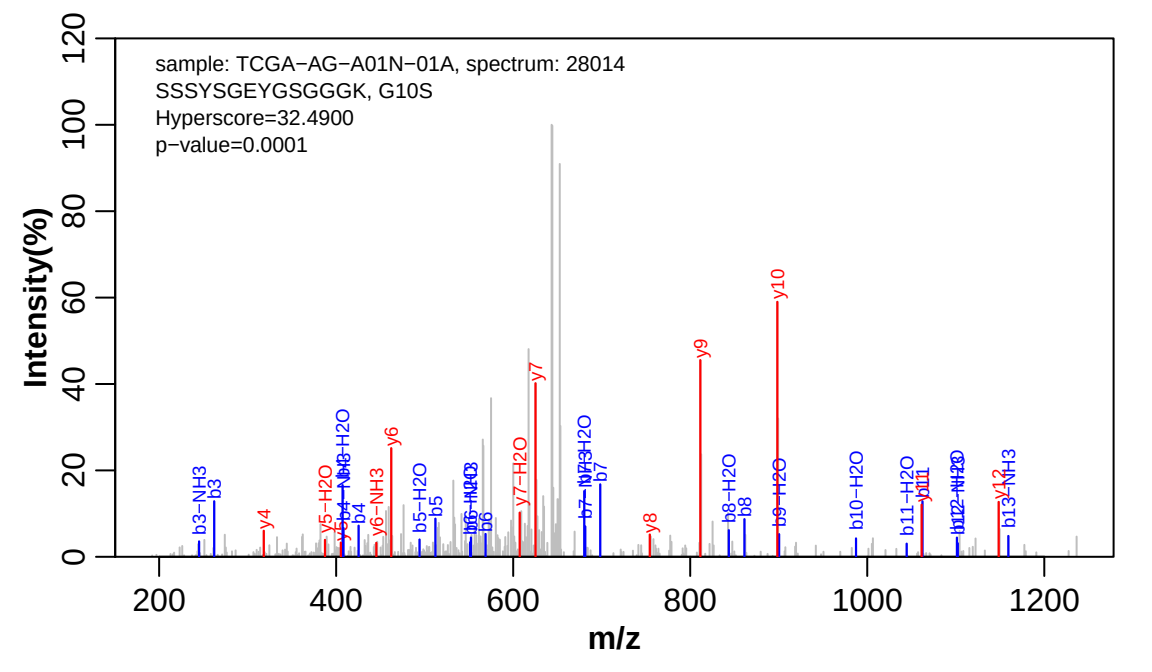

sample: TCGA−AG−A01N−01A, spectrum: 6423
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=57.0220
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y12
y11
y9
y10
y4
y5
y3
y6
y8
y7
y13
b15
b14−H2O
b17
b16
b5−H2O
b7−H2O
b10
b11−NH3
b12−H2O
b14
b5
y4−H2O

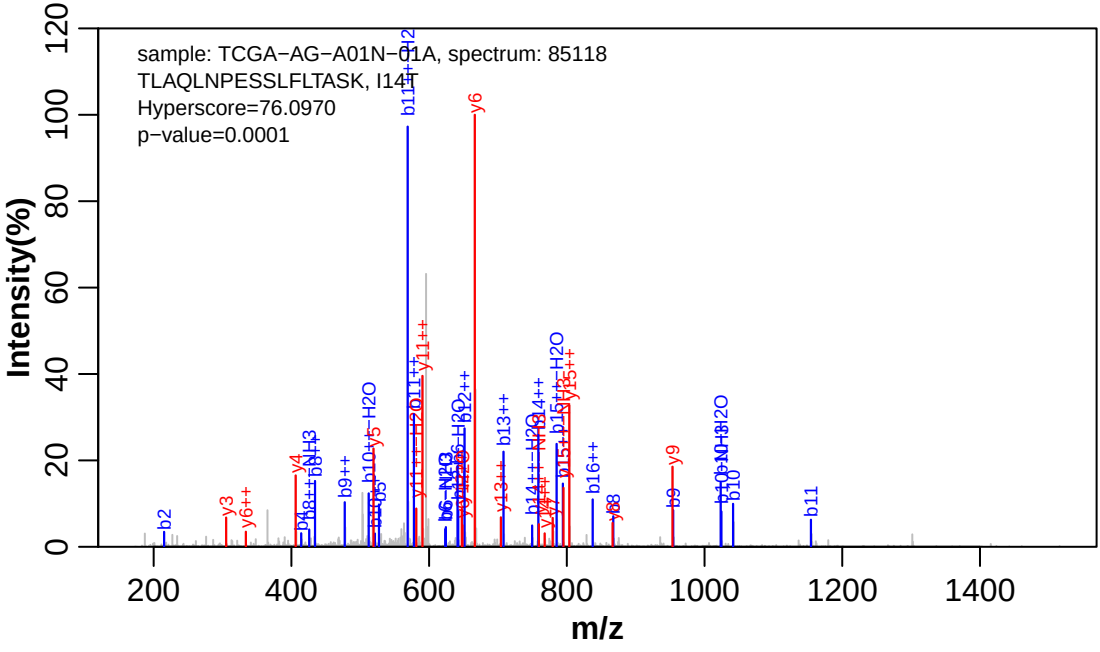

sample: TCGA−AG−A01N−01A, spectrum: 68806
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=60.3452
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y15++
y17++
y13++
y11++
y12++
y10++
y7++
y3
b4
y4
b5
y6
b10++−H2O
b11++
b6−H2O
b6
y6−H2O
y6
b8
y16++
y8
b17++−H2O
b9−NH3
b9
b18++
y10
b10
b10−NH3
b11
y12
b14

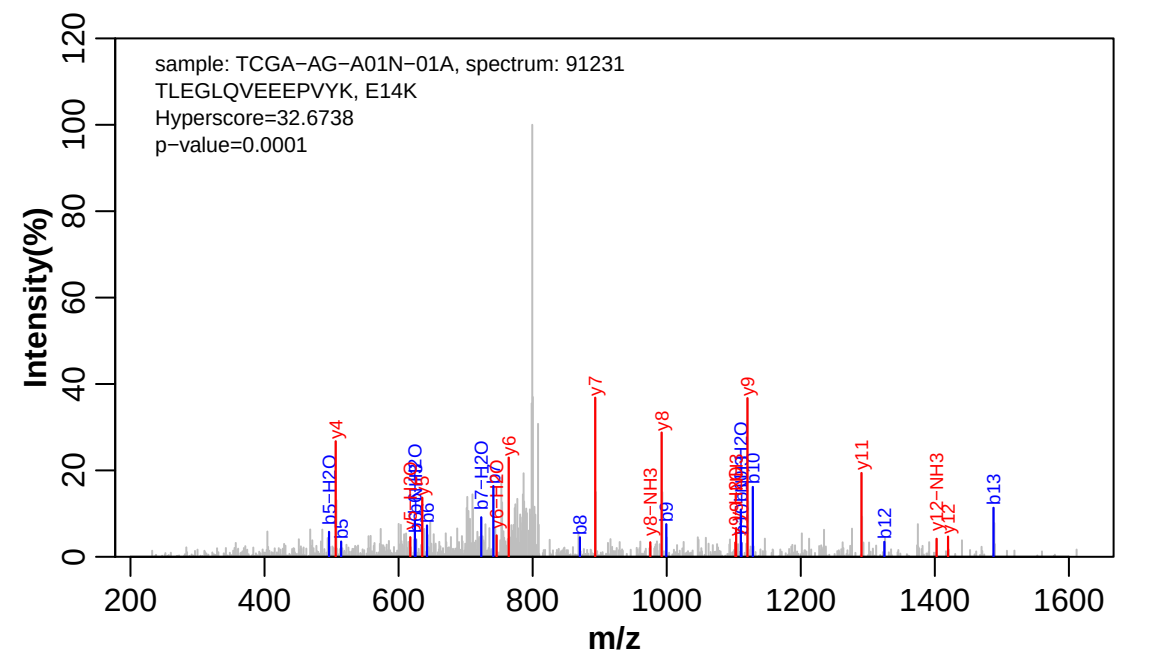

sample: TCGA−AG−A01N−01A, spectrum: 120640
SGFEPASFK, L8F
Hyperscore=20.9214
p−value=0.0002
Intensity(%)
m/z
y5
y6
b4
y2−NH3
y2
y3
b4−NH3
b4−H2O
y4
b6
b7
b8
y7

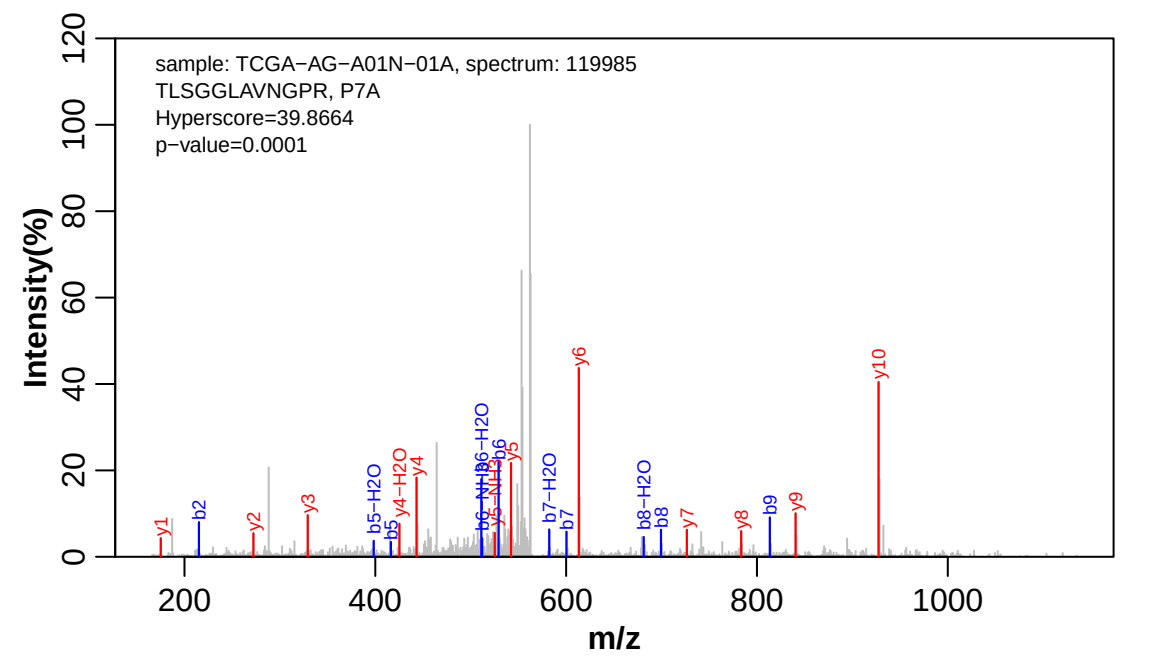

sample: TCGA−AG−A01N−01A, spectrum: 64073
SPADPTDLGGQTSPR, I6T
Hyperscore=37.6477
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
y2
y3
b4
y4
b6
y6
y7−NH3
y7
y8−H2O
y8−NH3
y8
b9
y9
y10
b11
y11−H2O
y11−NH3
y11
b12
b13
y12
y13

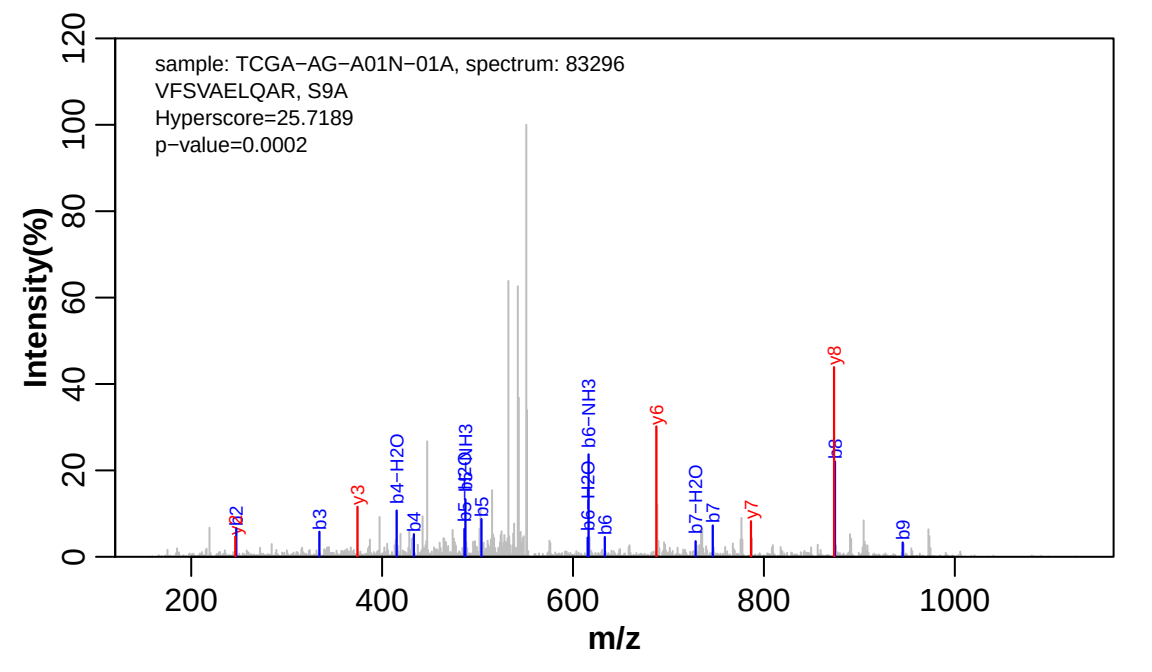

sample: TCGA−AG−A01N−01A, spectrum: 12702
SSLWEAPR, L1S
Hyperscore=21.1671
p−value=0.0031
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b2−NH3
b2
y2−NH3
y2−H2O
b3−H2O
b3
y3
y3−H2O
y4−NH3
y4−H2O
b5
b5−H2O
y5
b6−H2O
b6
b7

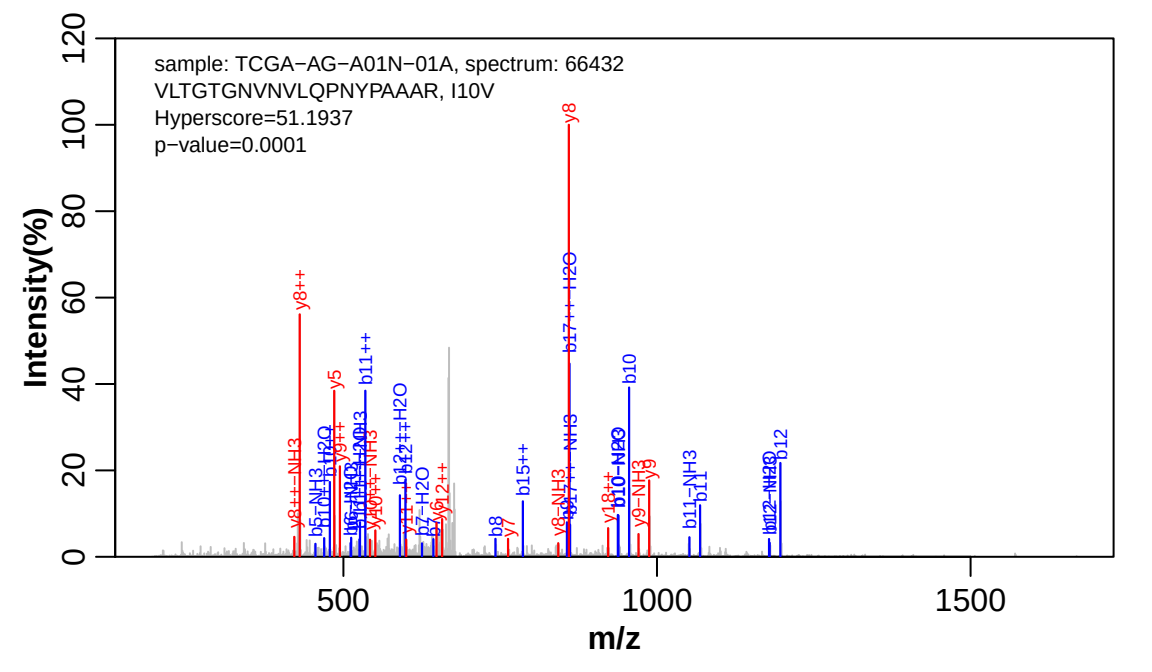

sample: TCGA−AG−A01N−01A, spectrum: 28014
SSSYSGEYGSGGGK, G10S
Hyperscore=32.4900
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−NH3
b3
y4
y5−H2O
b4
y6−NH3
y6
b5−H2O
b5
y7−H2O
y7
b7
y8
y9
b8−H2O
b8
y10
b9−H2O
b10−H2O
b11−H2O
b11
y12
b13−NH3

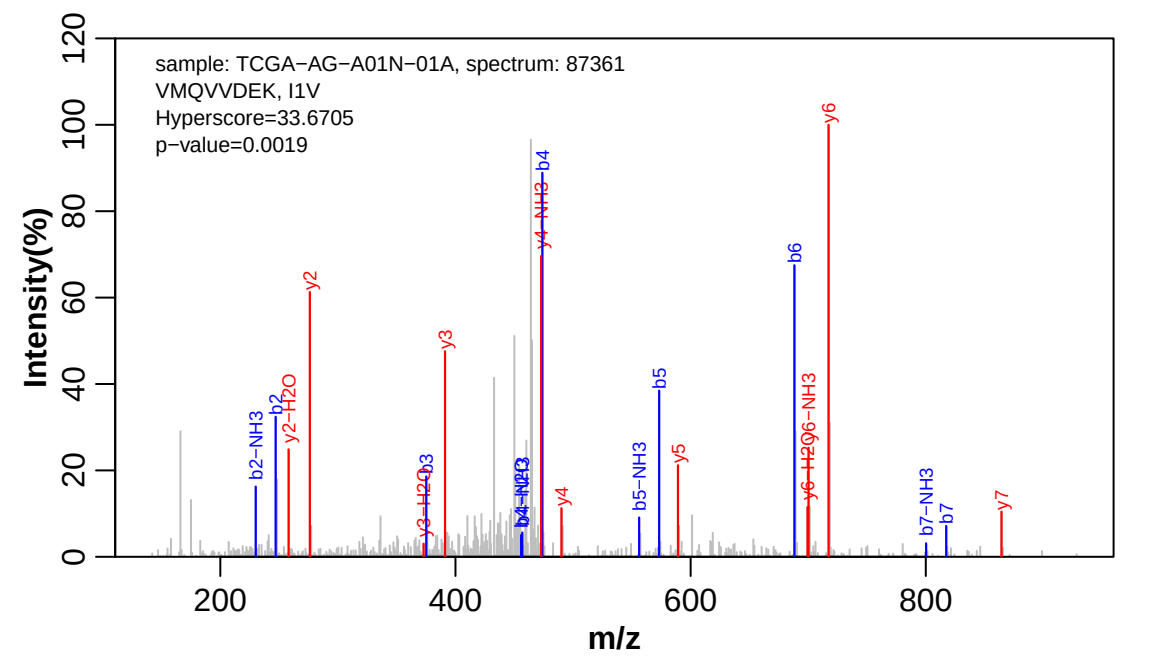

sample: TCGA−AG−A01N−01A, spectrum: 85118
TLAQLNPESSLFLTASK, I14T
Hyperscore=76.0970
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y6++
y4
b9++
b10+y5−H2O
b11++
y6
y11++
y12++
b12++
b13++
b14++−H2O
y15++
b15++−H2O
b16++
y8
y9
b10
b11

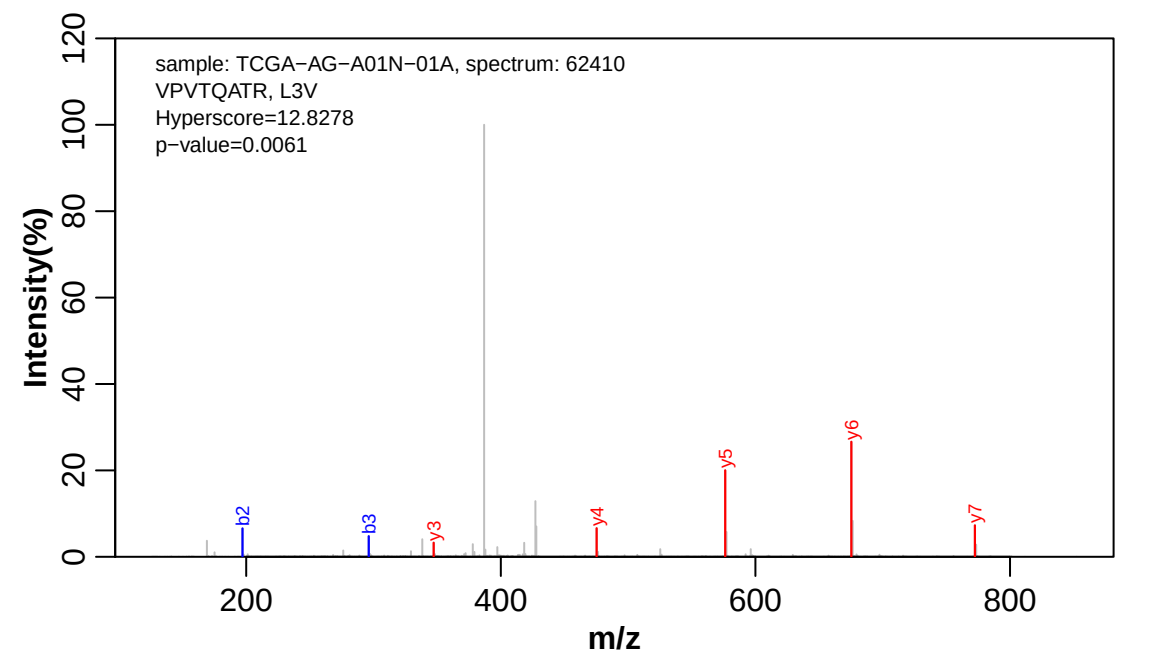

sample: TCGA−AG−A01N−01A, spectrum: 91231
TLEGLQVEEEPVYK, E14K
Hyperscore=32.6738
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4
b5−H2O
b5
y7
y8
y8−NH3
b9
y9
b10
y11
b12
y12−NH3
y12
b13
b7−H2O
y6−H2O
y6
b8

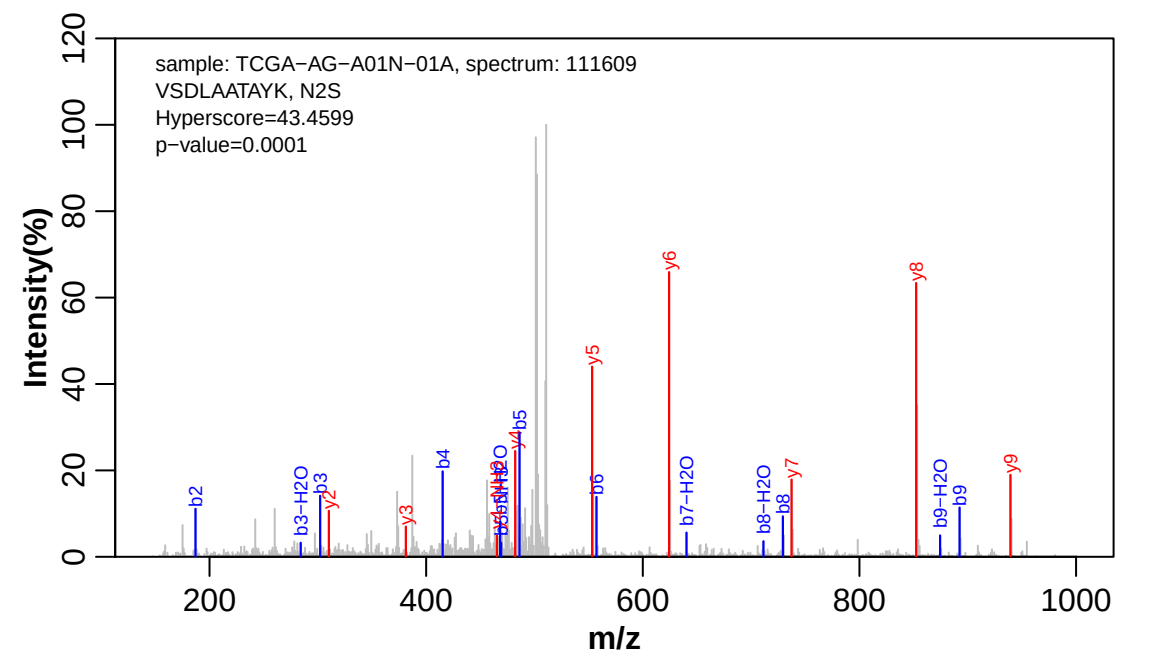

sample: TCGA−AG−A01N−01A, spectrum: 119985
TLSGGLAVNGPR, P7A
Hyperscore=39.8664
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y2
y3
b5−H2O
b5
y4−H2O
y4
b6−NH3−H2O
b6−NH3
b6
y5
b7−H2O
b7
y6
b8−H2O
b8
y7
y8
b9
y9
y10

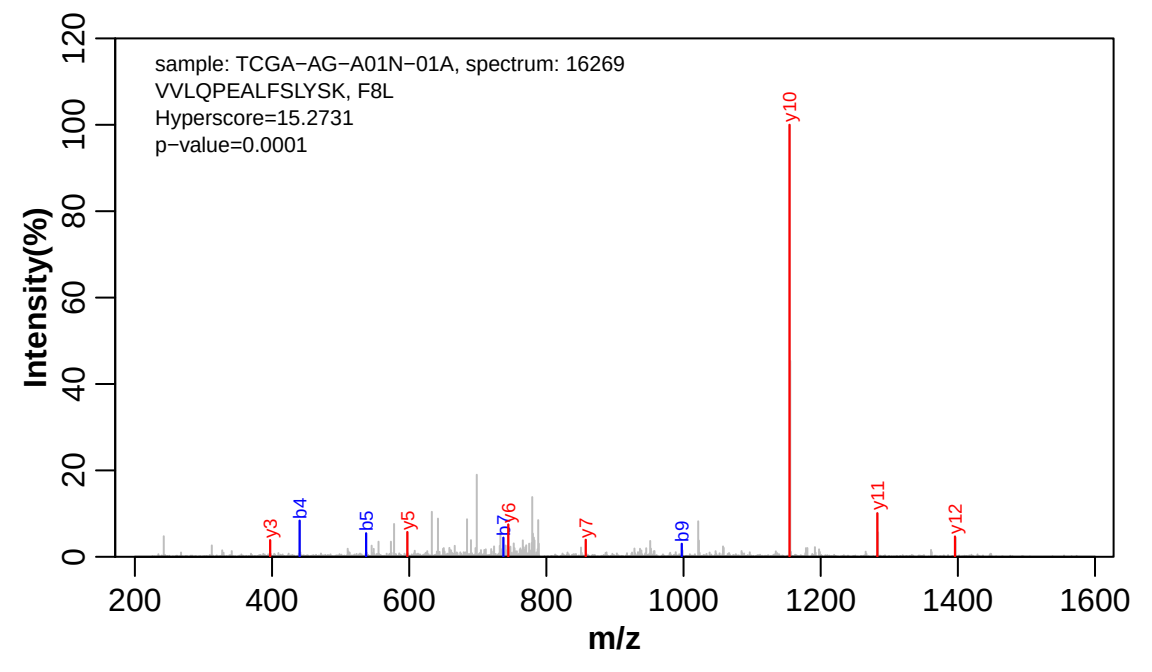

sample: TCGA−AG−A01N−01A, spectrum: 83296
VFSVAELQAR, S9A
Hyperscore=25.7189
p−value=0.0002
Intensity(%)
m/z
y2
b3
y3
b4−H2O
b4
b5−NH3
b5
b6−H2O
b6−NH3
b6
y6
b7−H2O
b7
y7
y8
b8
b9

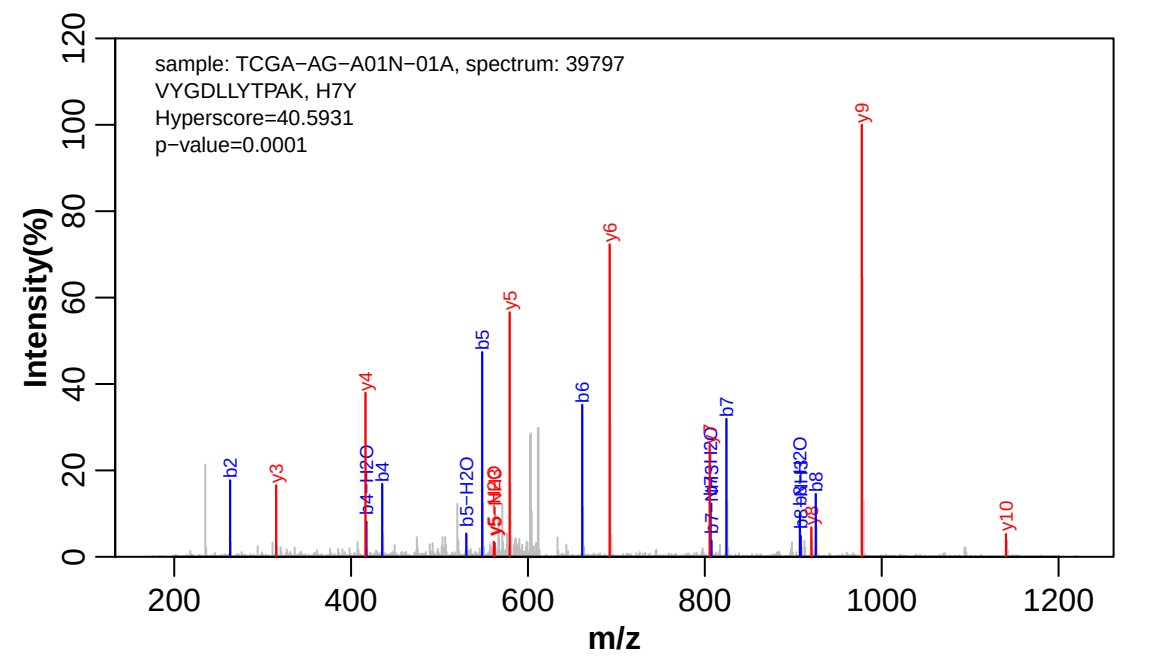

sample: TCGA−AG−A01N−01A, spectrum: 66432
VLTGTGNVNVLQPNYPAAAR, I10V
Hyperscore=51.1937
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y8++
y8++−NH3
y5
b11++
b17++−H2O
b10
b8
y7
b15++
y9−NH3
b11−NH3
b12
y12++

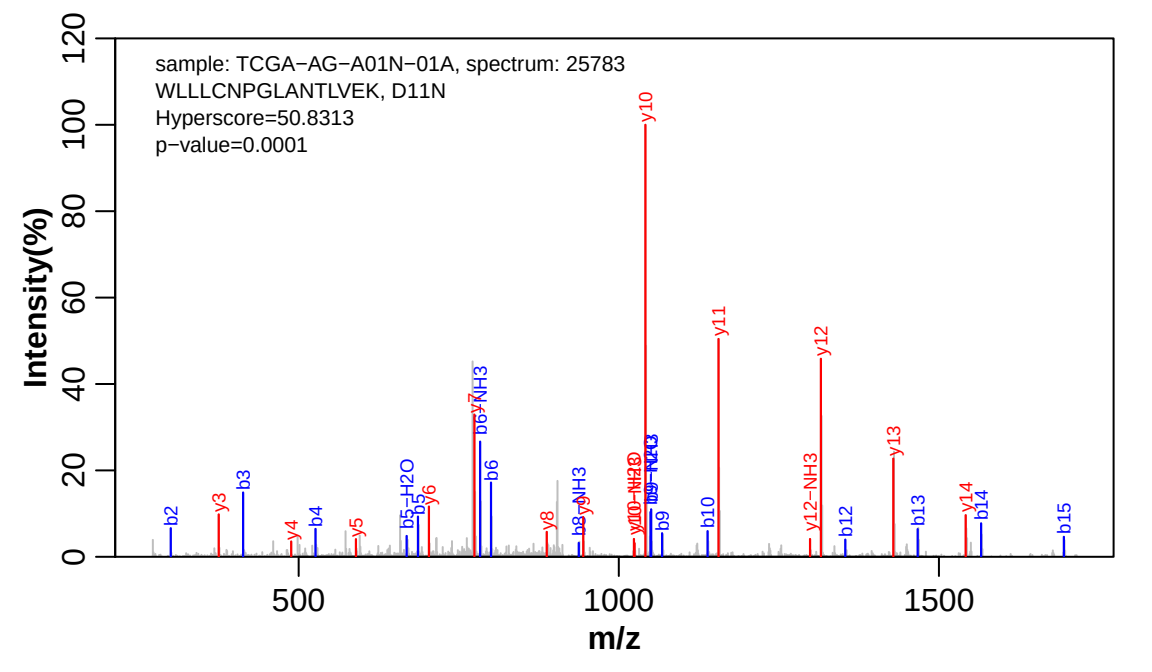

sample: TCGA−AG−A01N−01A, spectrum: 87361
VMQVVDEK, I1V
Hyperscore=33.6705
p−value=0.0019
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b2−NH3
b2
y2−H2O
y2
y3−H2O
b3
y3
b4−NH3
b4
y4−NH3
y4
b5−NH3
b5
y5
b6
y6−H2O
y6−NH3
y6
b7−NH3
b7
y7

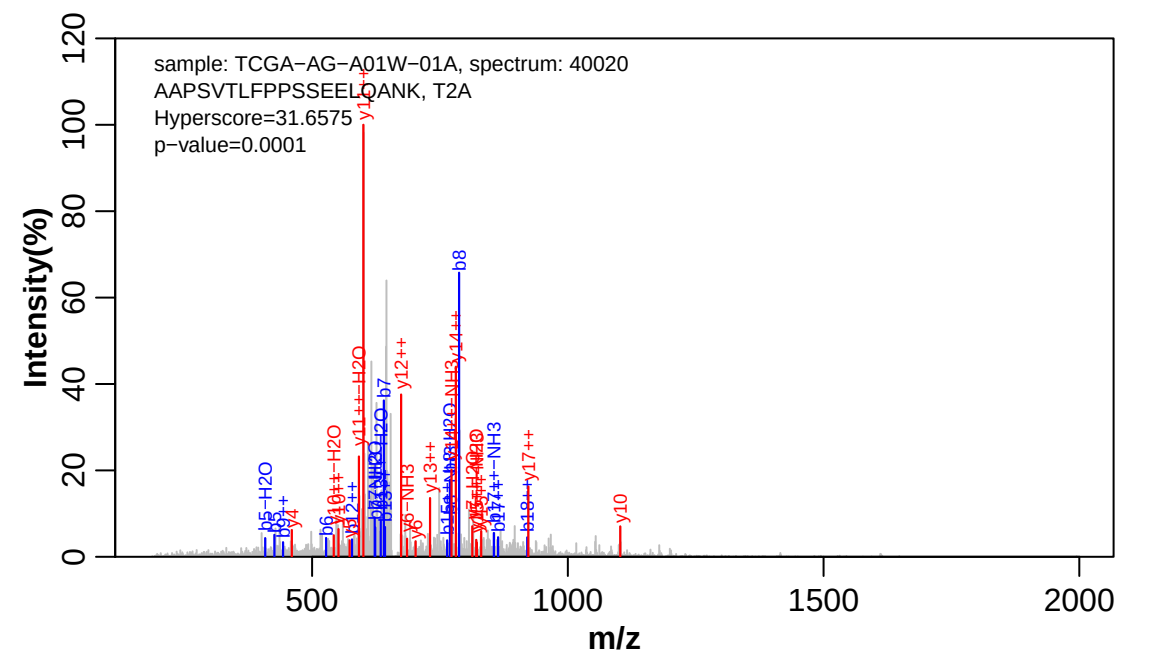

sample: TCGA−AG−A01N−01A, spectrum: 62410
VPVTQATR, L3V
Hyperscore=12.8278
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
b3
y3
y4
y5
y6
y7

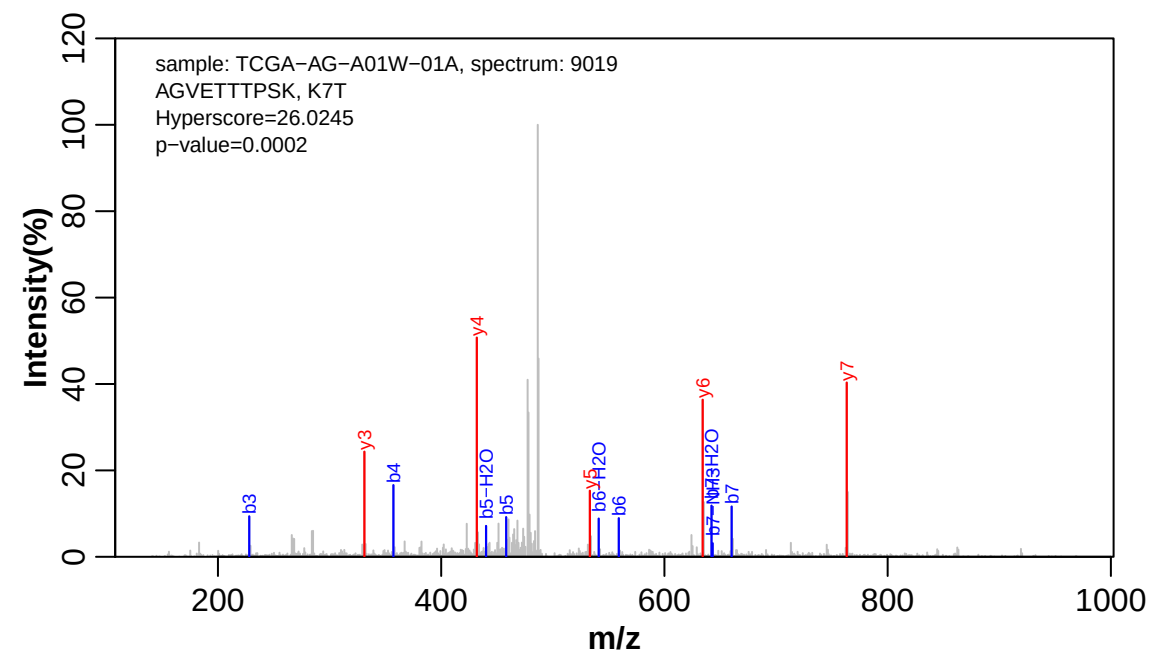

sample: TCGA−AG−A01N−01A, spectrum: 111609
VSDLAATAYK, N2S
Hyperscore=43.4599
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4
b5−NH3
b5−H2O
y4
b5
y5
b6
y6
b7−H2O
b8−H2O
b8
y7
y8
b9−H2O
b9
y9

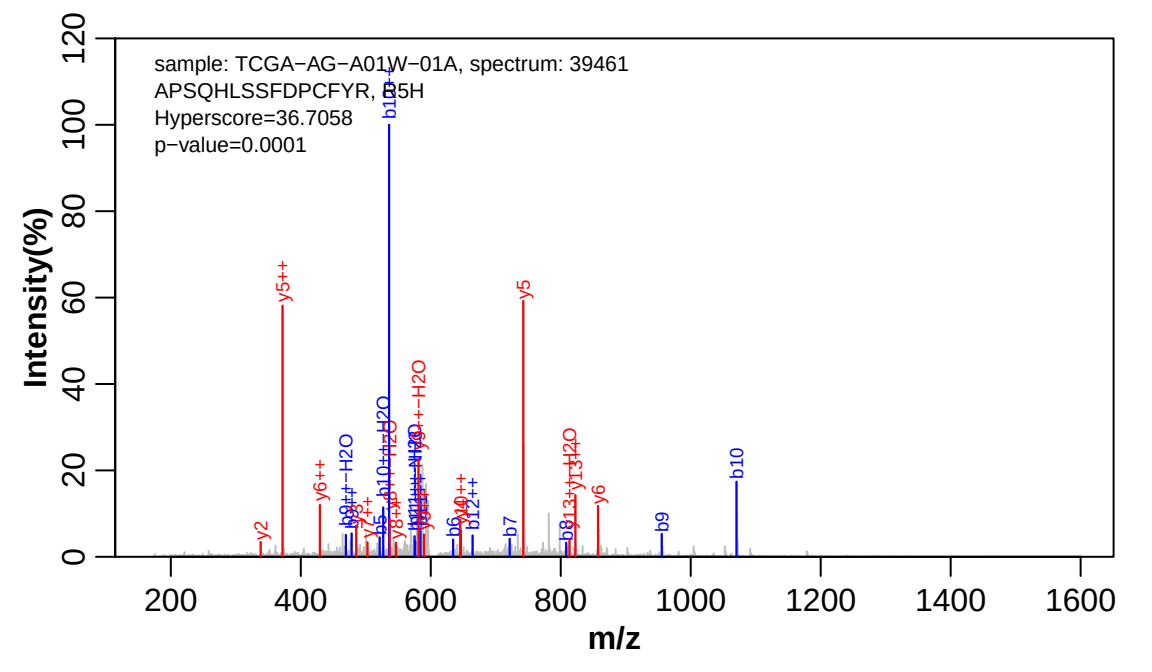

sample: TCGA−AG−A01N−01A, spectrum: 16269
VVLQPEALFSLYSK, F8L
Hyperscore=15.2731
p−value=0.0001
Intensity(%)
m/z
y10
y11
y12
y3
b4
b5
y5
b7
y6
y7
b9

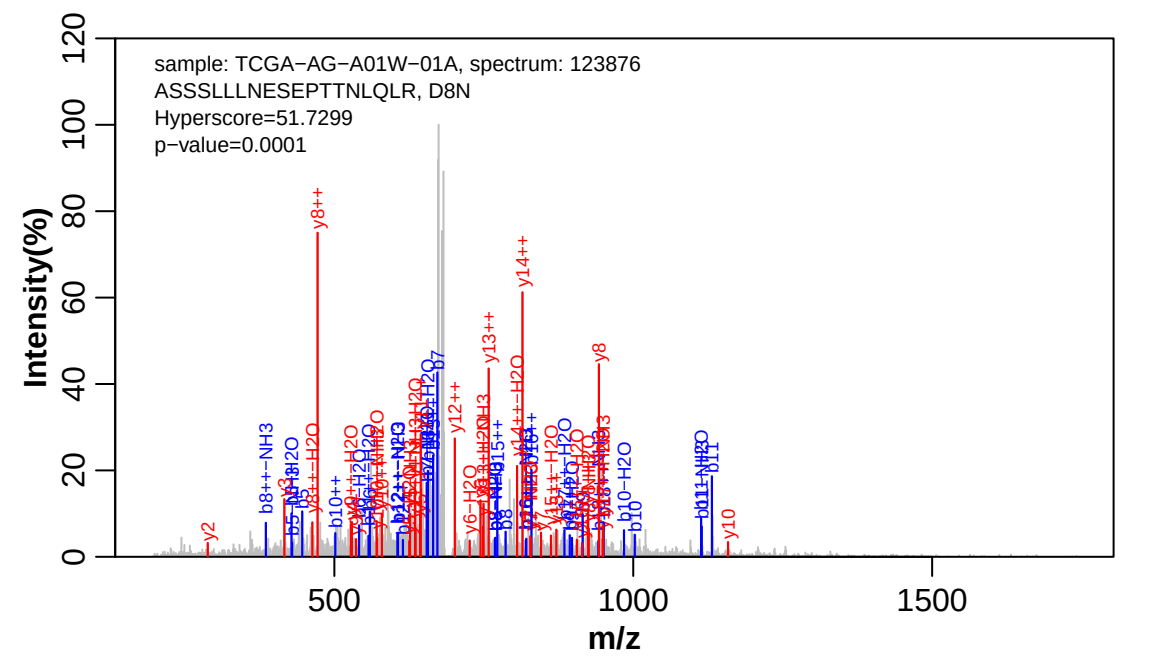

sample: TCGA−AG−A01N−01A, spectrum: 39797
VYGDLLYTPAK, H7Y
Hyperscore=40.5931
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y3
y4
b4−H2O
b4
b5
b5−H2O
y5
y5−H2O
b6
y6
b7
b7−NH3−H2O
y9
b8−H2O
b8
y8
y10

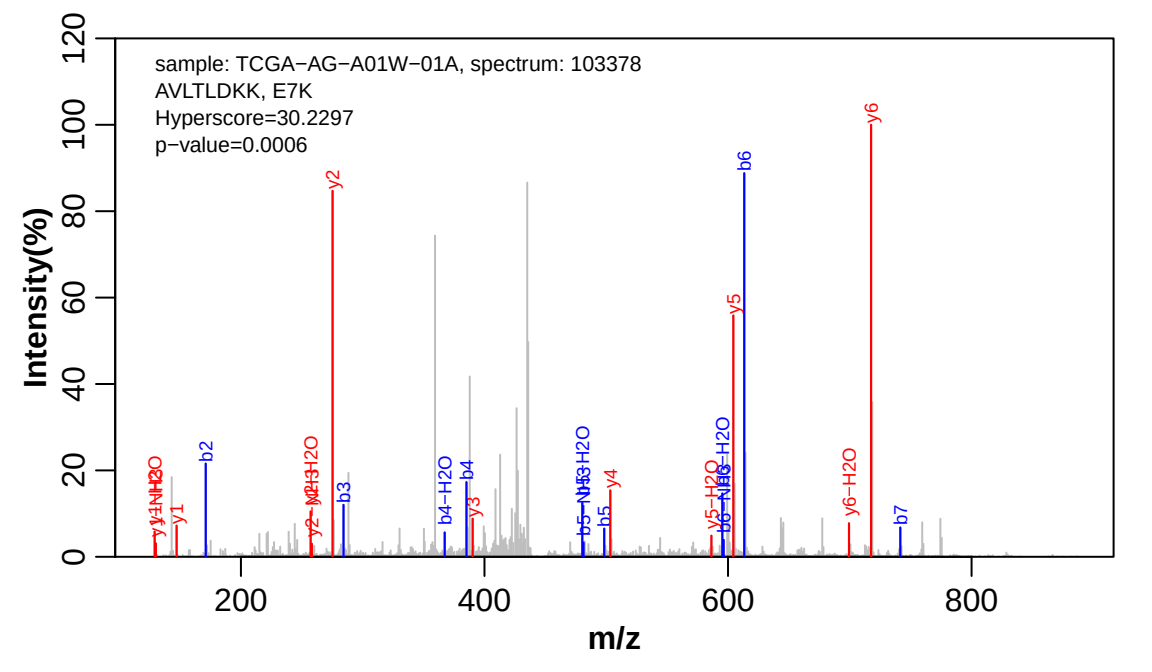

sample: TCGA−AG−A01N−01A, spectrum: 25783
WLLLCNPGLANTLVEK, D11N
Hyperscore=50.8313
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3
y4
b4
y5
b5−H2O
b5
y6
y7
b6−NH3
b6
y8
b8−NH3
b9
y10
y11
b10
y12
y12−NH3
b12
y13
b13
y14
b14
b15

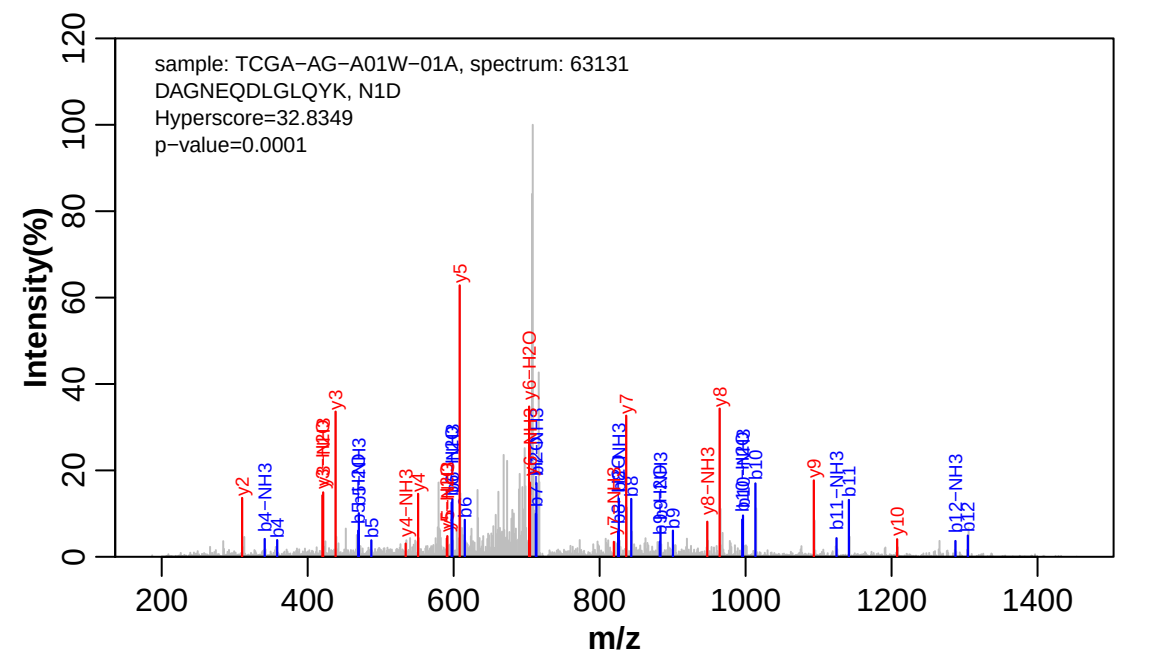

sample: TCGA−AG−A01W−01A, spectrum: 40020
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=31.6575
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y15++
b8
y12++
y11++−H2O
b7
y6−NH3
y13++
y14++
b5−H2O
b5
b6
y4
y10
y17++

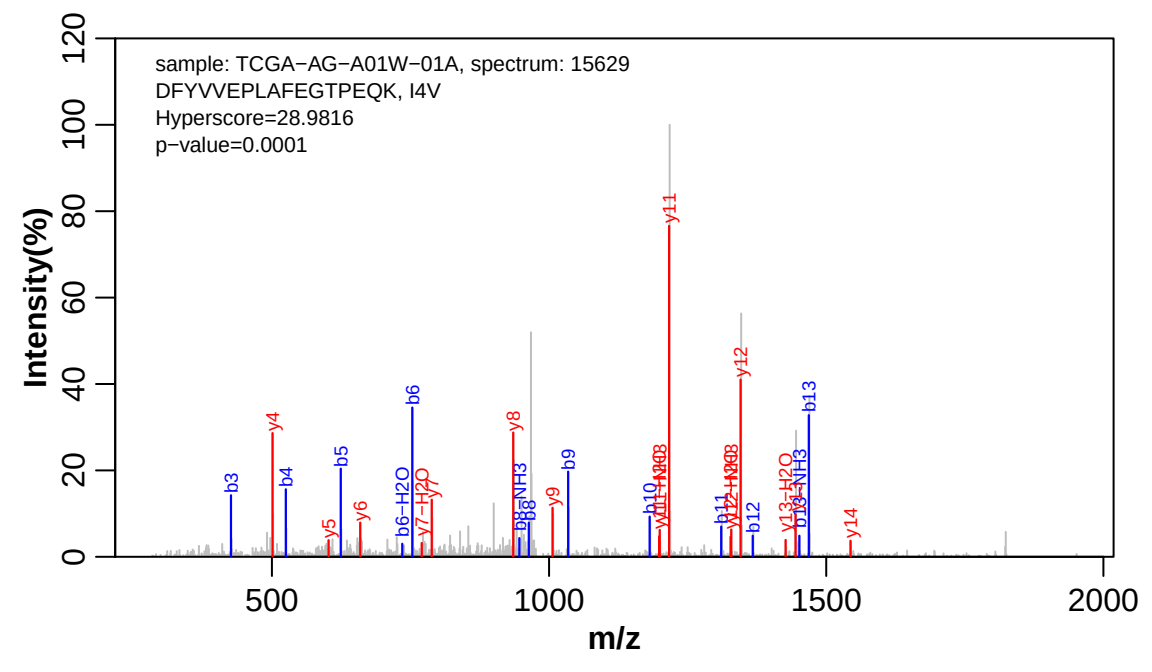

sample: TCGA−AG−A01W−01A, spectrum: 9019
AGVETTTPSK, K7T
Hyperscore=26.0245
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−NH3H2O
b7
y7

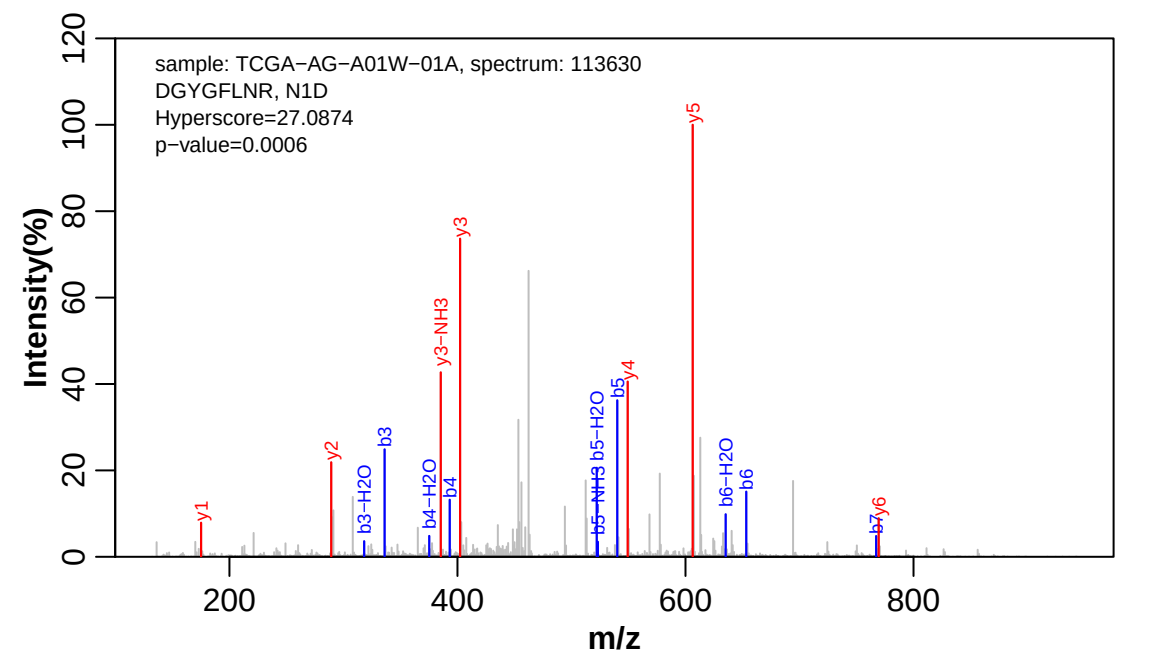

sample: TCGA−AG−A01W−01A, spectrum: 39461
APSQHLSSFDPCFYR, 5H
Hyperscore=36.7058
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5++
b1++
y5
y2
y6++
b10
b9
b7
b12++
y6

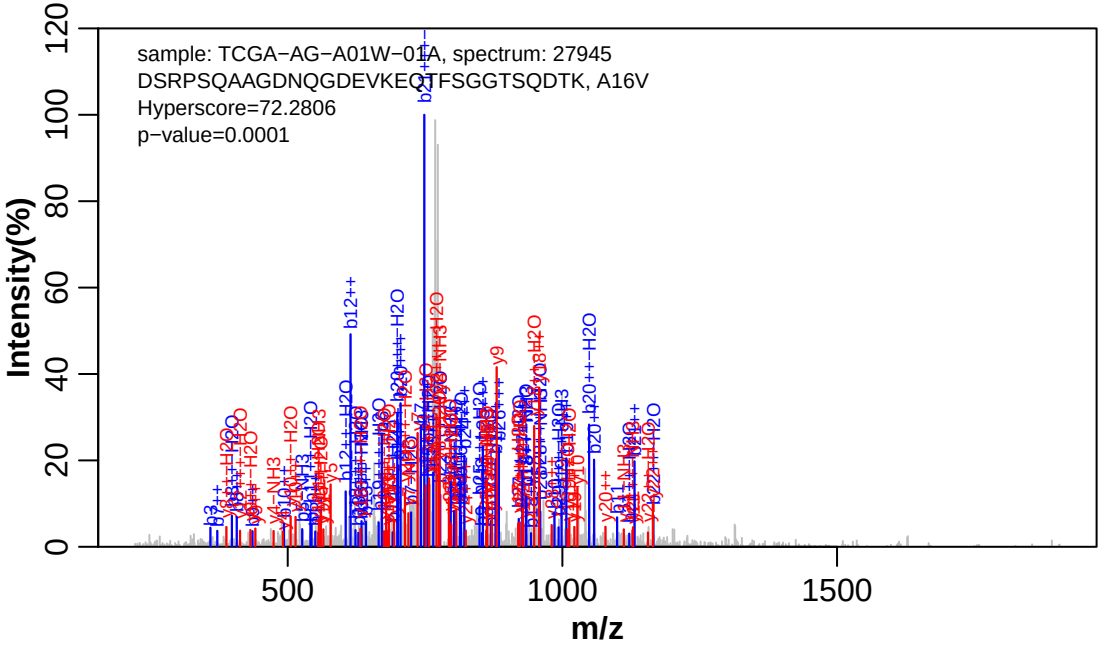

sample: TCGA−AG−A01W−01A, spectrum: 123876
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=51.7299
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8++
y14++
y13++
y12++
y8
y14++−H2O
y6−H2O
b8++−NH3
b8++−H2O
b10++
b10−H2O
b11++
b11−H2O
y10
y2

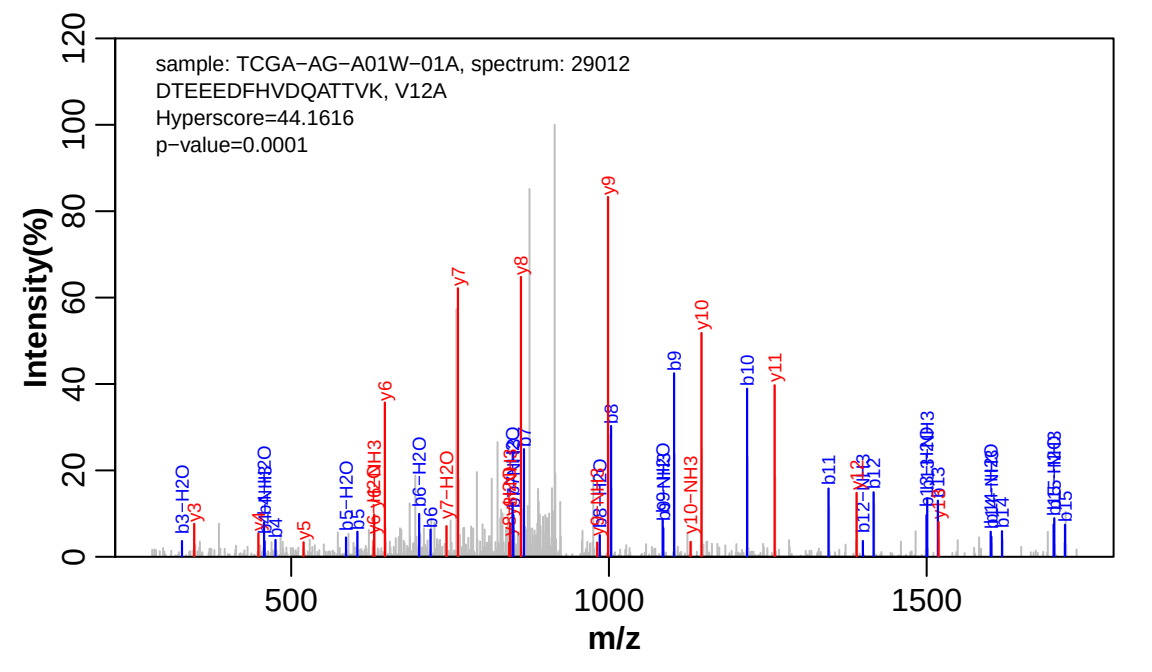

sample: TCGA−AG−A01W−01A, spectrum: 103378
AVLTLDKK, E7K
Hyperscore=30.2297
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y6
b6
y2
y5
b2
b3
b4
y3
y4
b5
b7
y1
y6−H2O
b4−H2O
y5−H2O
b5−H2O
b6−H2O

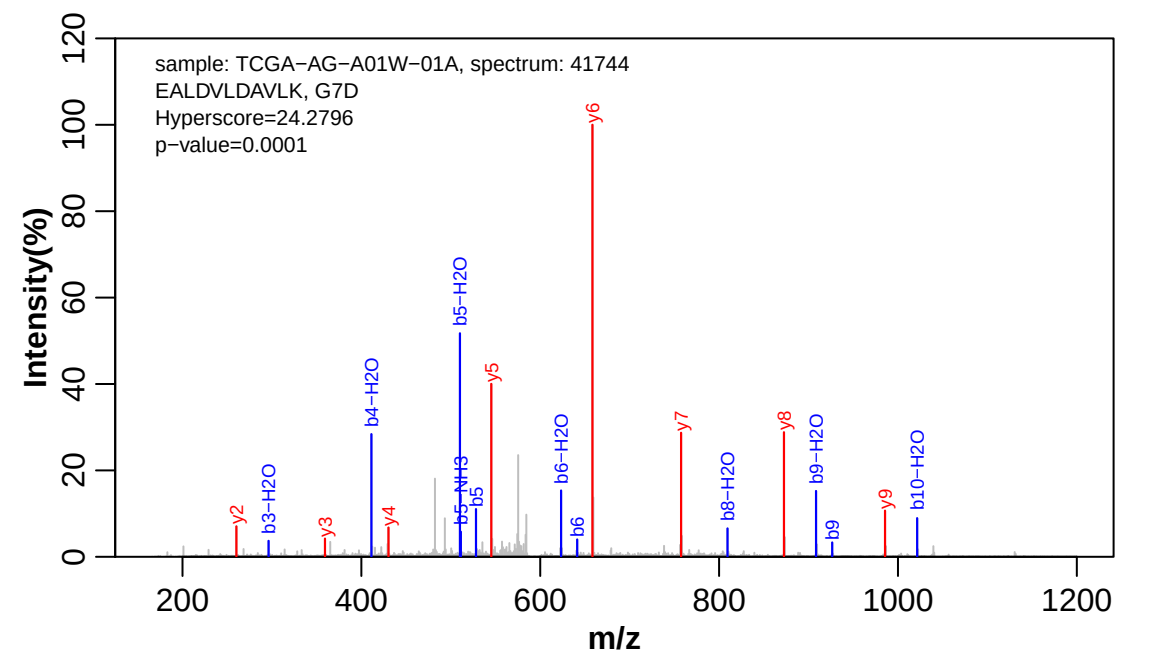

sample: TCGA−AG−A01W−01A, spectrum: 63131
DAGNEQDLGLQYK, N1D
Hyperscore=32.8349
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b4−NH3
b4
y3−NH3
y3
b5−NH3
b5
y4−NH3
y4
y5
b6
y6−NH3
y6−H2O
b7
y7−NH3
y7
b8
b9−NH3
b9
y8−NH3
y8
b10−NH3
b10
y9
b11−NH3
b11
y10
b12−NH3
b12

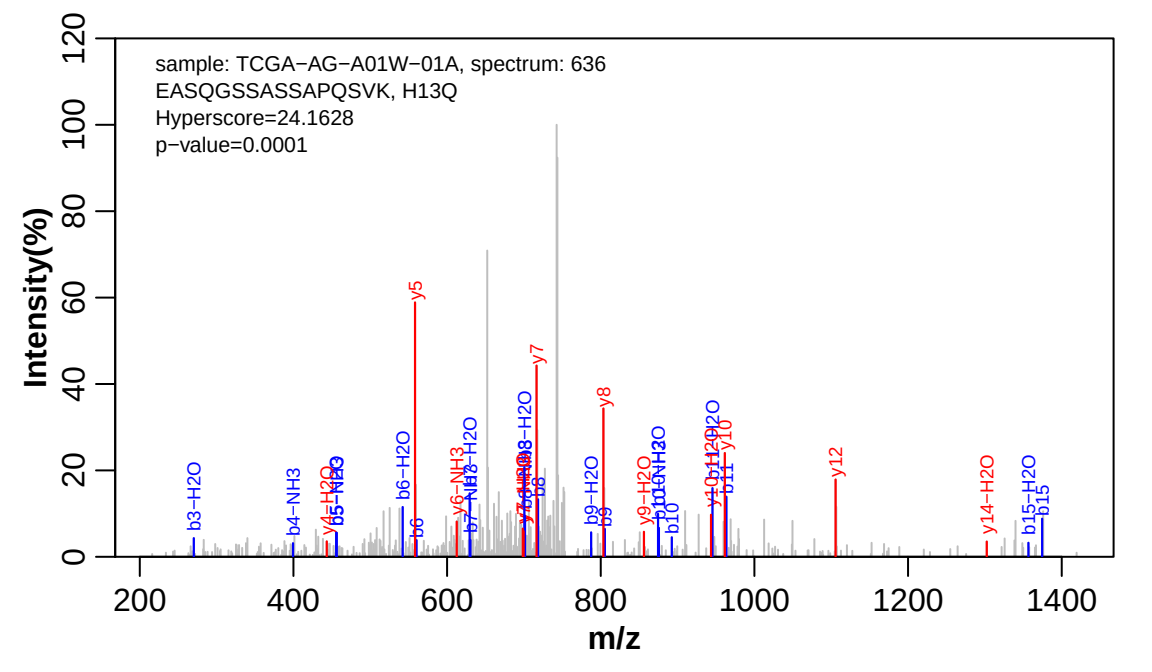

sample: TCGA−AG−A01W−01A, spectrum: 15629
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=28.9816
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
y5
b5
y6
b6
b6−H2O
y7
y7−H2O
y8
b8−NH3
b8
y9
b9
y11
b10
y10−H2O
y10−NH3
b11
y12−H2O
y12−NH3
b12
y12
y13−H2O
b13−NH3
b13
y14

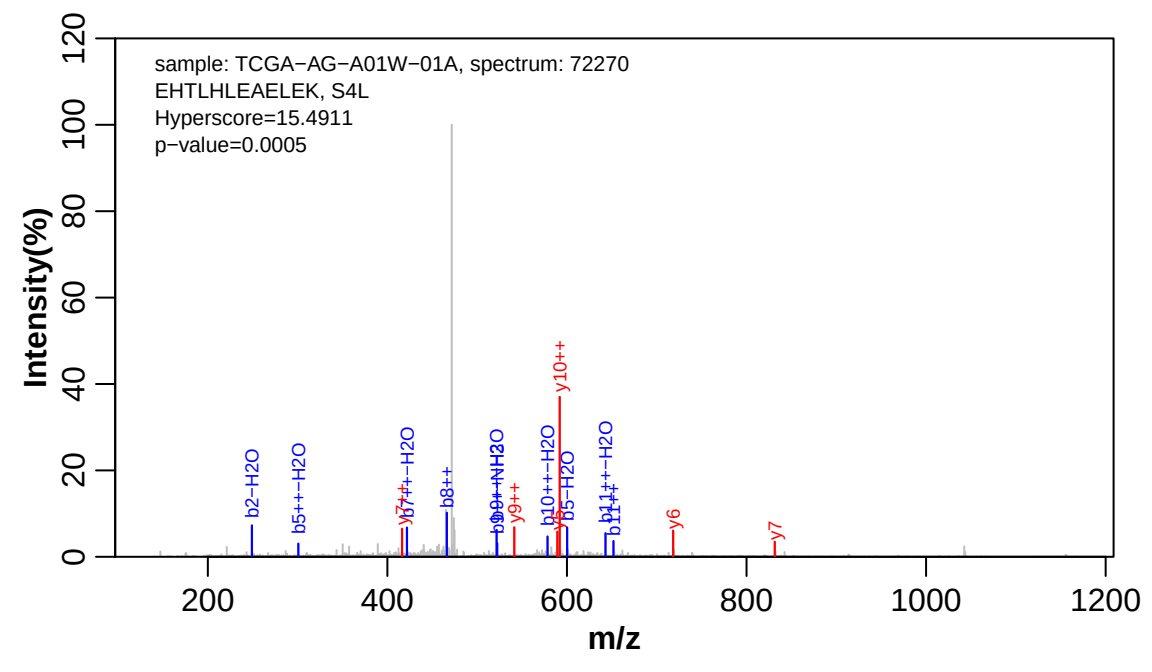

sample: TCGA−AG−A01W−01A, spectrum: 113630
DGYGFLNR, N1D
Hyperscore=27.0874
p−value=0.0006
Intensity(%)
m/z
y1
y2
b3
b3−H2O
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

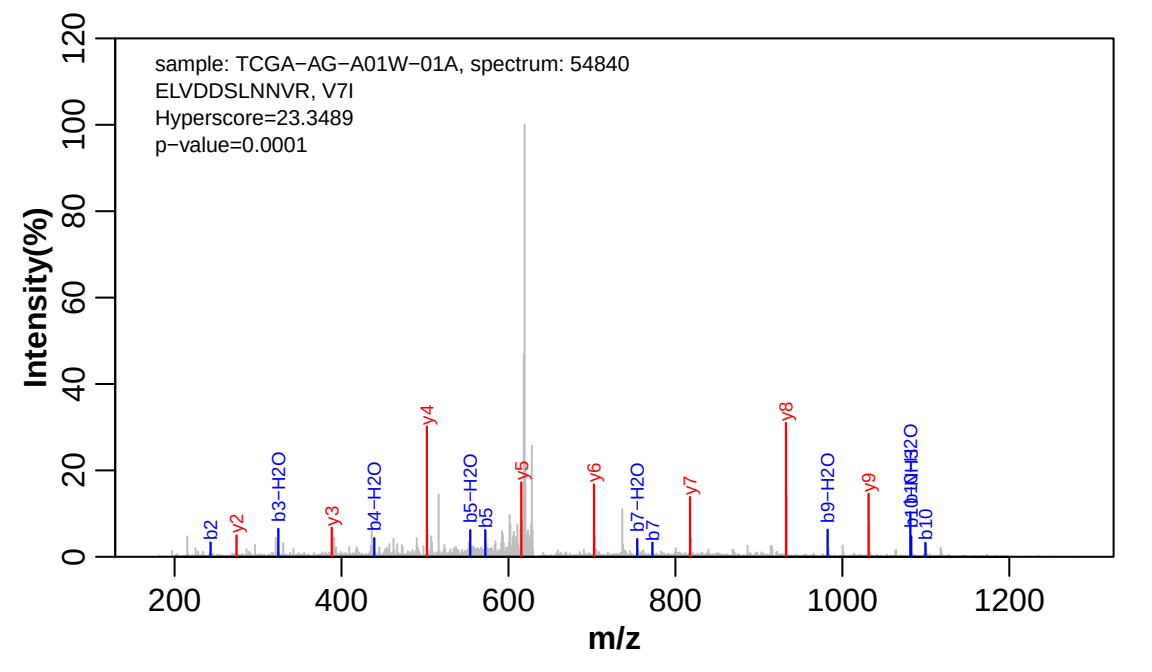

sample: TCGA−AG−A01W−01A, spectrum: 27945
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=72.2806
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500

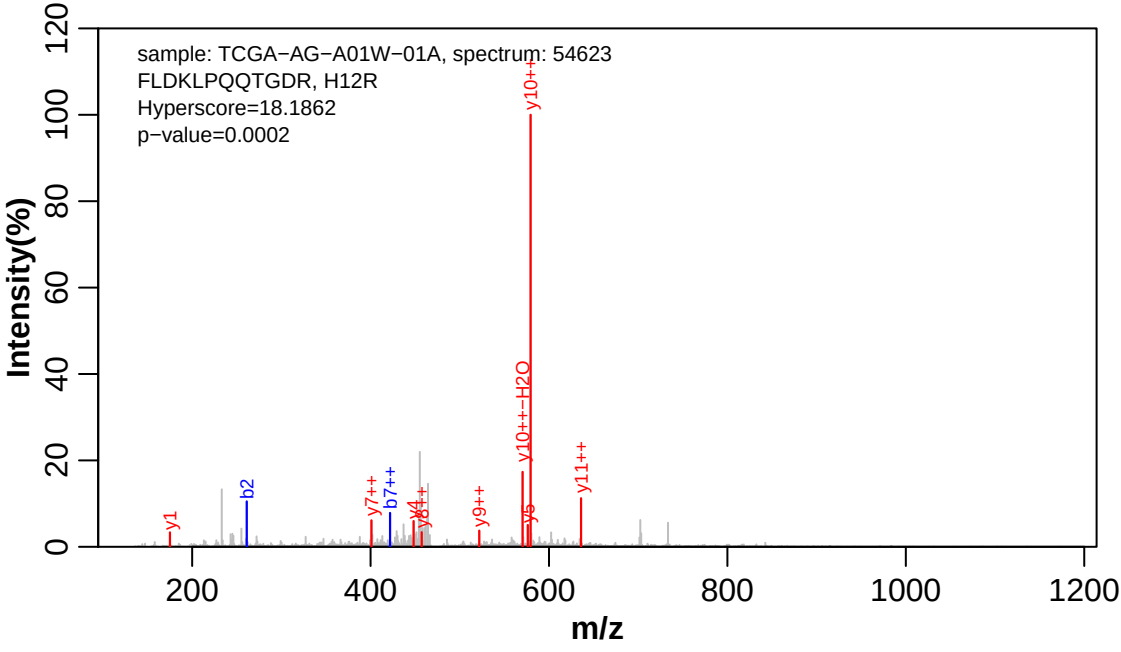

sample: TCGA−AG−A01W−01A, spectrum: 29012
DTEEEDFHVDQATTVK, V12A
Hyperscore=44.1616
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y3
y5
b5−H2O
b5
y6−H2O−NH3
y6
b6−H2O
b6
y7−H2O
y7
y8
y9
b8
b9
y10
b10
y11
y10−NH3
b11
b12−NH3
b12
b13
b14
b15

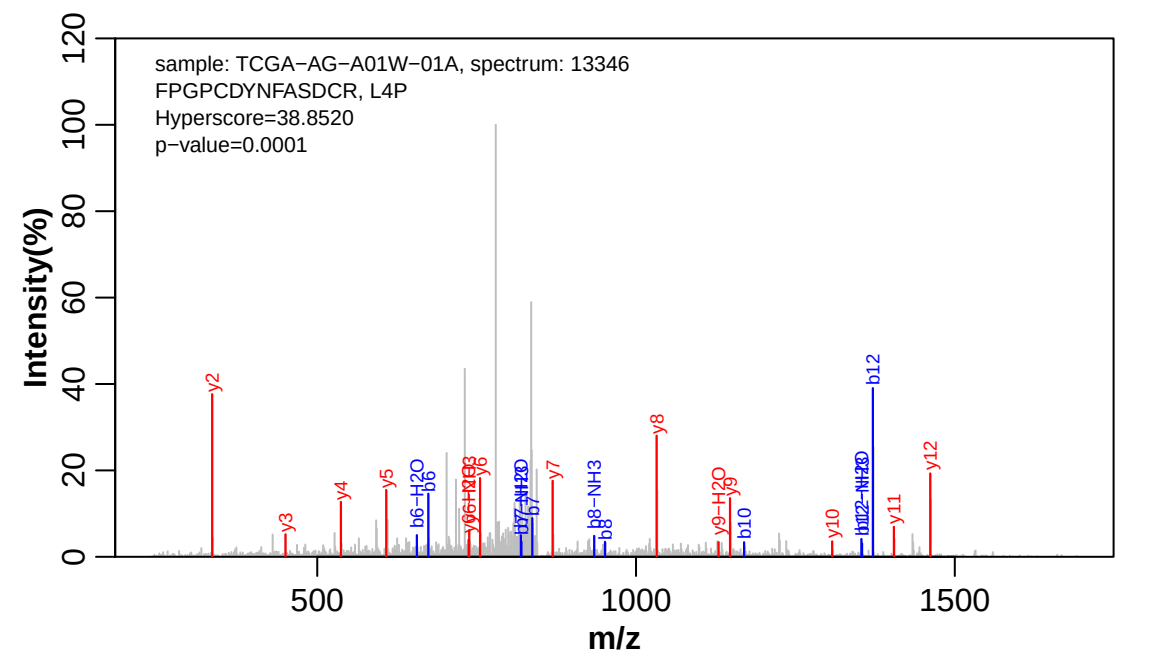

sample: TCGA−AG−A01W−01A, spectrum: 41744
EALDVLDAVLK, G7D
Hyperscore=24.2796
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
y4
b5−NH3
b5
b5−H2O
y5
y6
b6−H2O
b6
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O

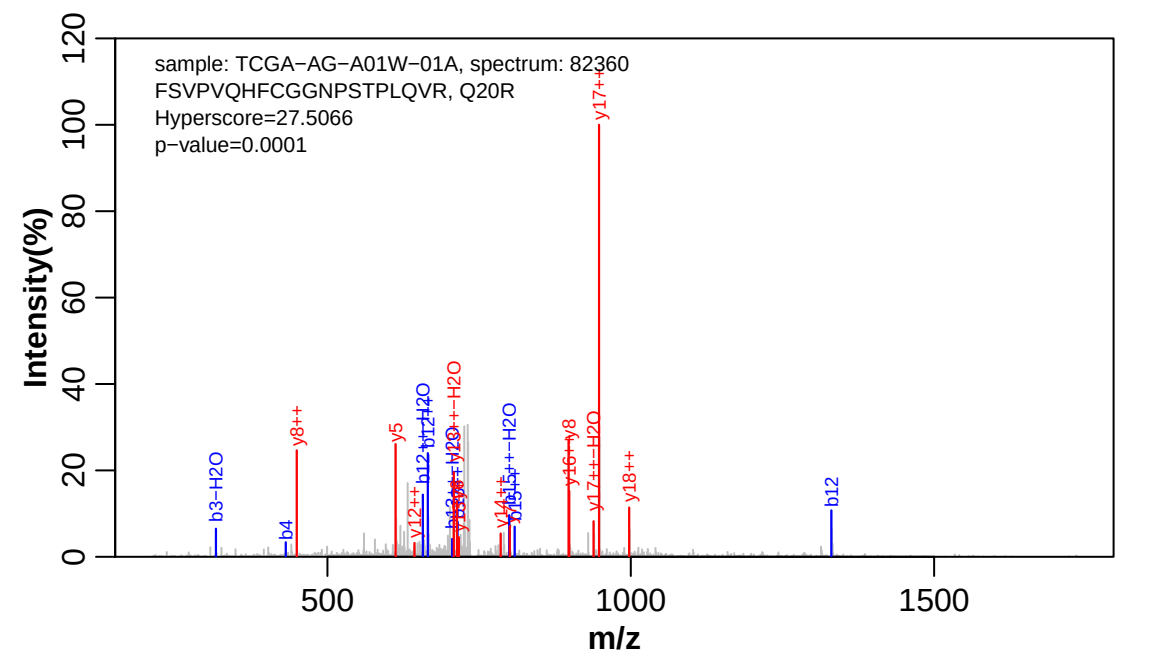

sample: TCGA−AG−A01W−01A, spectrum: 636
EASQGSSASSAPQSVK, H13Q
Hyperscore=24.1628
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b4−NH3
b6−H2O
b6
y6−NH3
y5
y7
y8
b8
b9−H2O
b9
y9−H2O
b10
y10
y12
y14−H2O
b15−H2O
b15

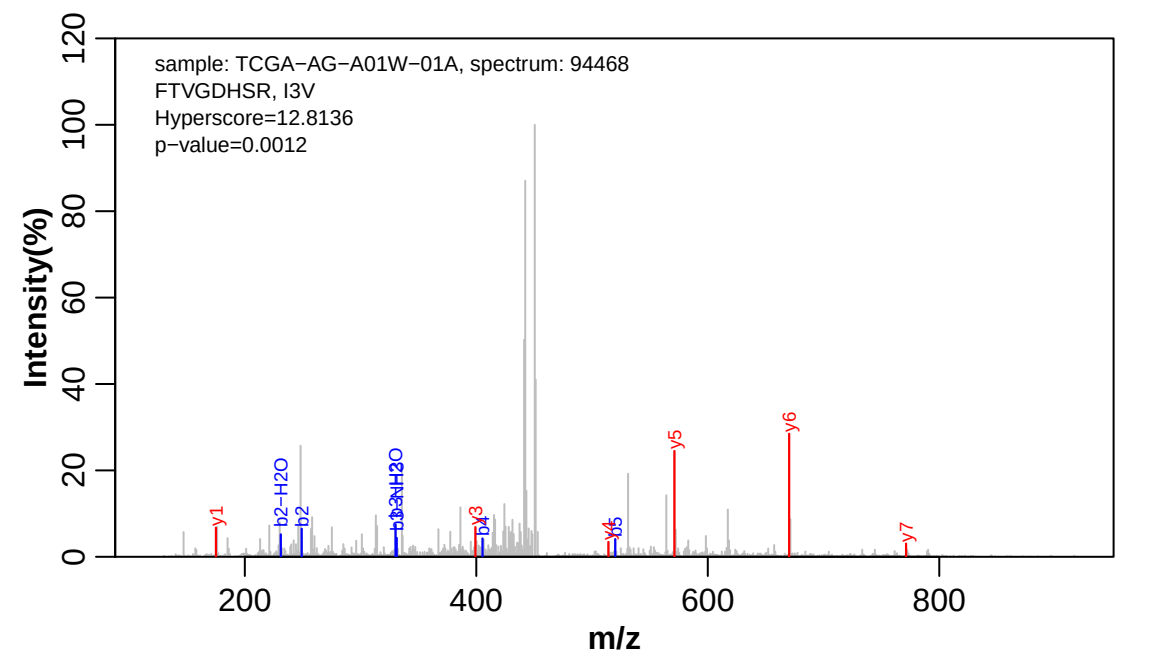

sample: TCGA−AG−A01W−01A, spectrum: 72270
EHTLHLEAELEK, S4L
Hyperscore=15.4911
p−value=0.0005
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b5++−H2O
y7++−H2O
b8++
b9++−NH3
y9++
b10++−H2O
y8−H2O
y10++
b11++−H2O
y6
y7

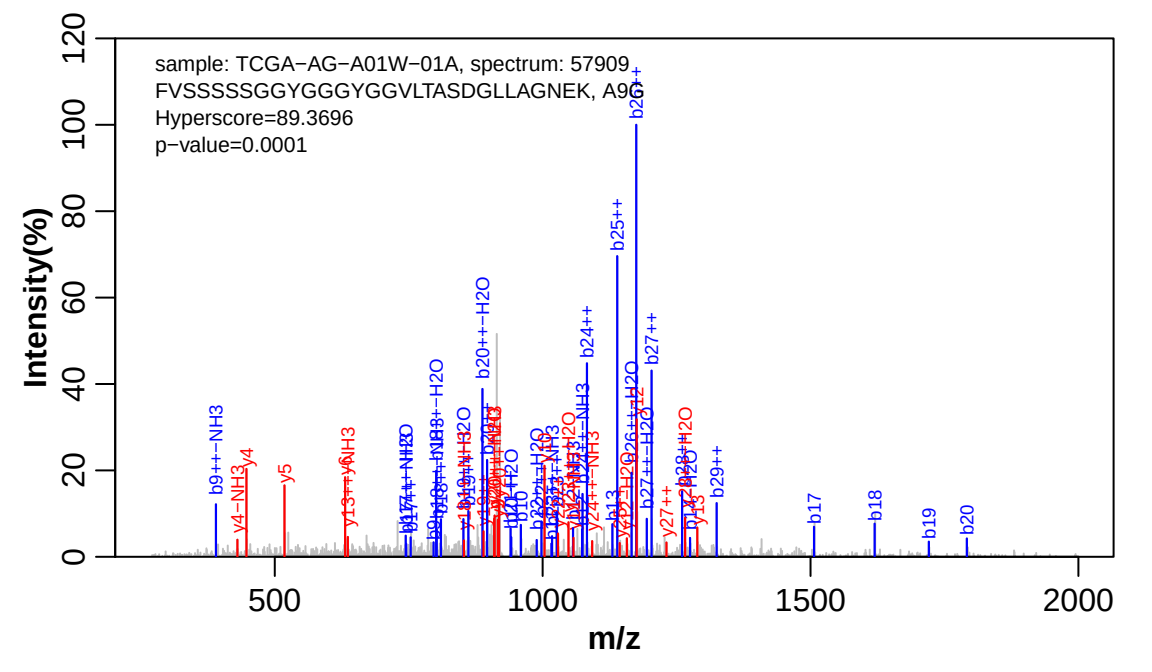

sample: TCGA−AG−A01W−01A, spectrum: 54840
ELVDDSLNNVR, V7I
Hyperscore=23.3489
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
y3
b4−H2O
y4
b5−H2O
b5
y5
y6
b7−H2O
b7
y7
y8
b9−H2O
y9
b10
b10−NH3
b10−H2O

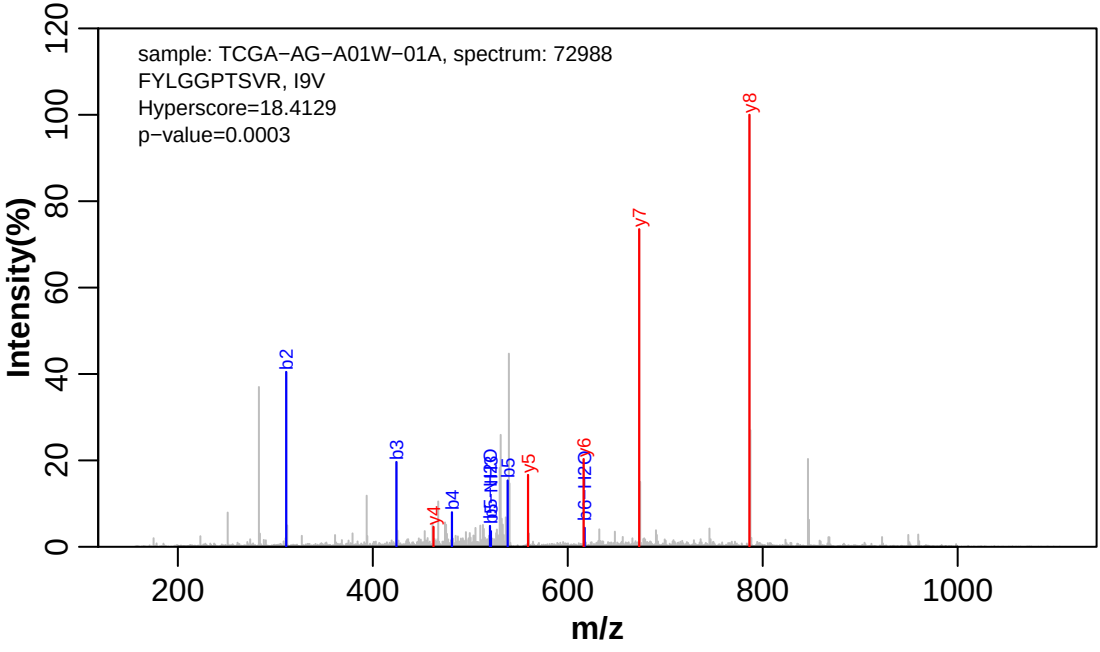

sample: TCGA−AG−A01W−01A, spectrum: 54623
FLDKLPQQTGDR, H12R
Hyperscore=18.1862
p−value=0.0002
Intensity(%)
m/z
y10++
y10++−H2O
y11++
y7++
b7++
y8++
y9++
y5
y1
b2
0
20
40
60
80
100
120
200
400
600
800
1000
1200

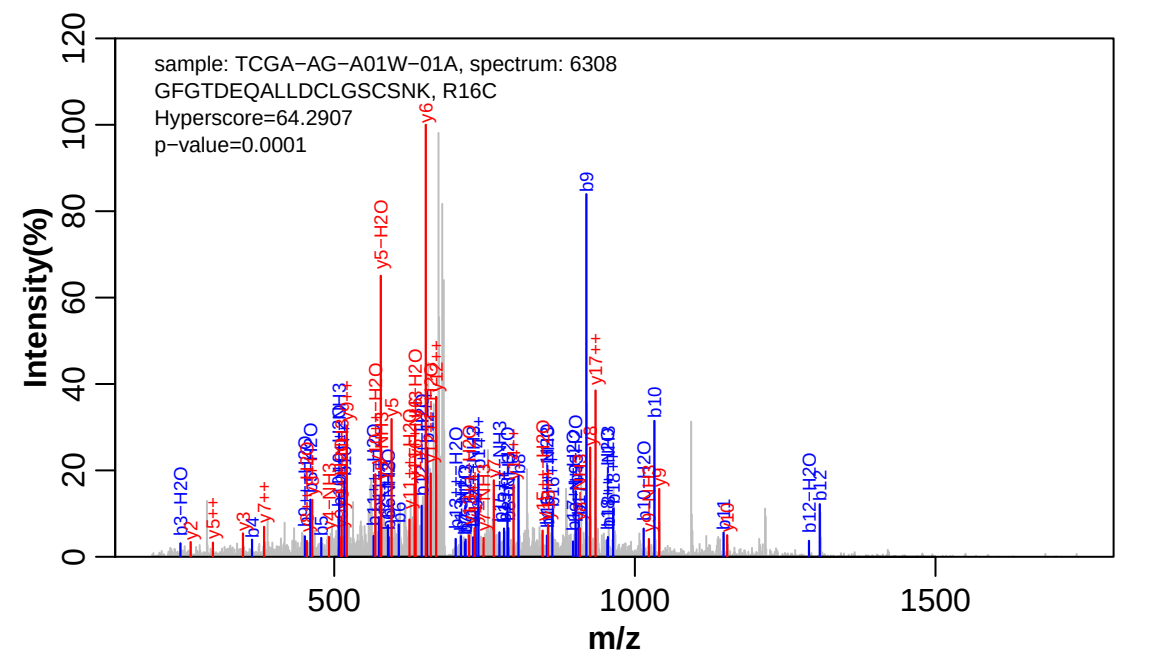

sample: TCGA−AG−A01W−01A, spectrum: 13346
FPGPCDYNFASDCR, L4P
Hyperscore=38.8520
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y3
y4
y5
b6−H2O
b6
y6
y7
b8−NH3
b8
y8
y9−H2O
y9
b10
y10
b12
y11
y12

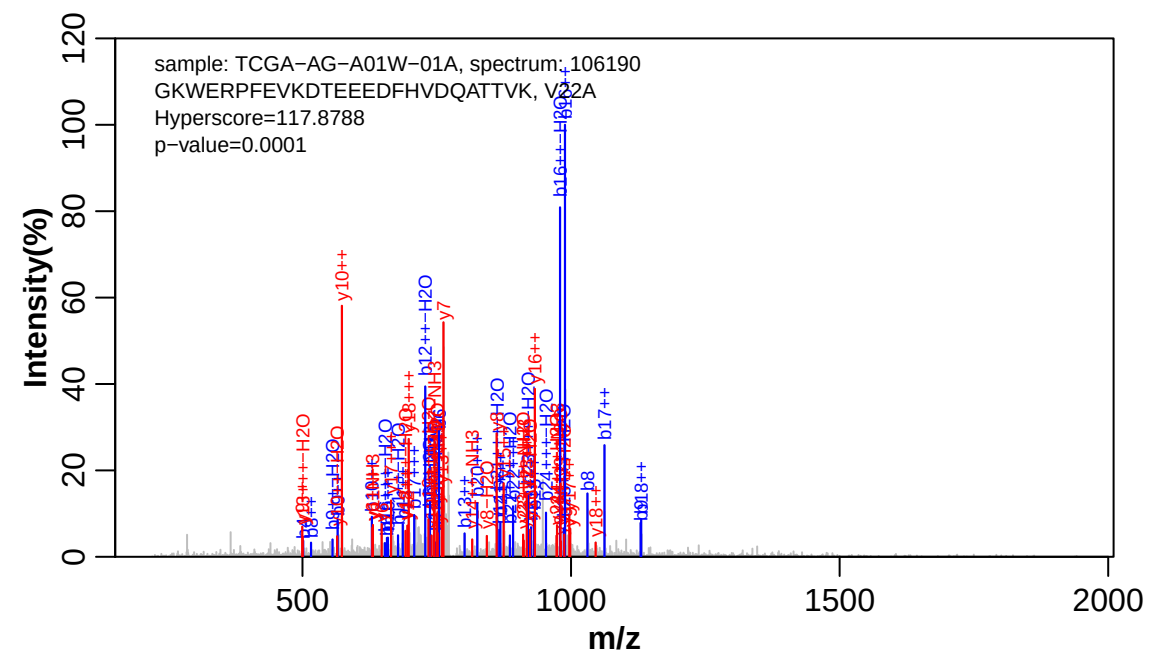

sample: TCGA−AG−A01W−01A, spectrum: 82360
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=27.5066
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3−H2O
b4
y8++
y5
y12++
b12
b12+H2O
b12++H2O
y16−y8
y17++−H2O
y17++
y18++
b12

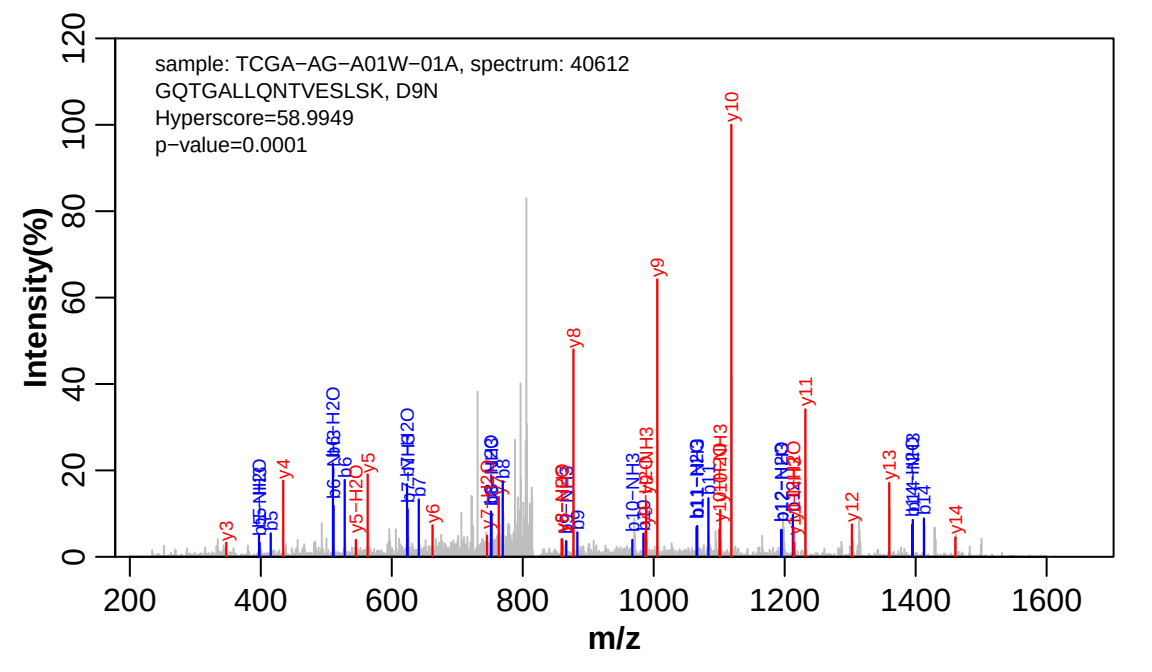

sample: TCGA−AG−A01W−01A, spectrum: 94468
FTVGDHSR, I3V
Hyperscore=12.8136
p−value=0.0012
Intensity(%)
m/z
y1
b2−H2O
b2
y3
b4
y4
b5
y5
y6
y7

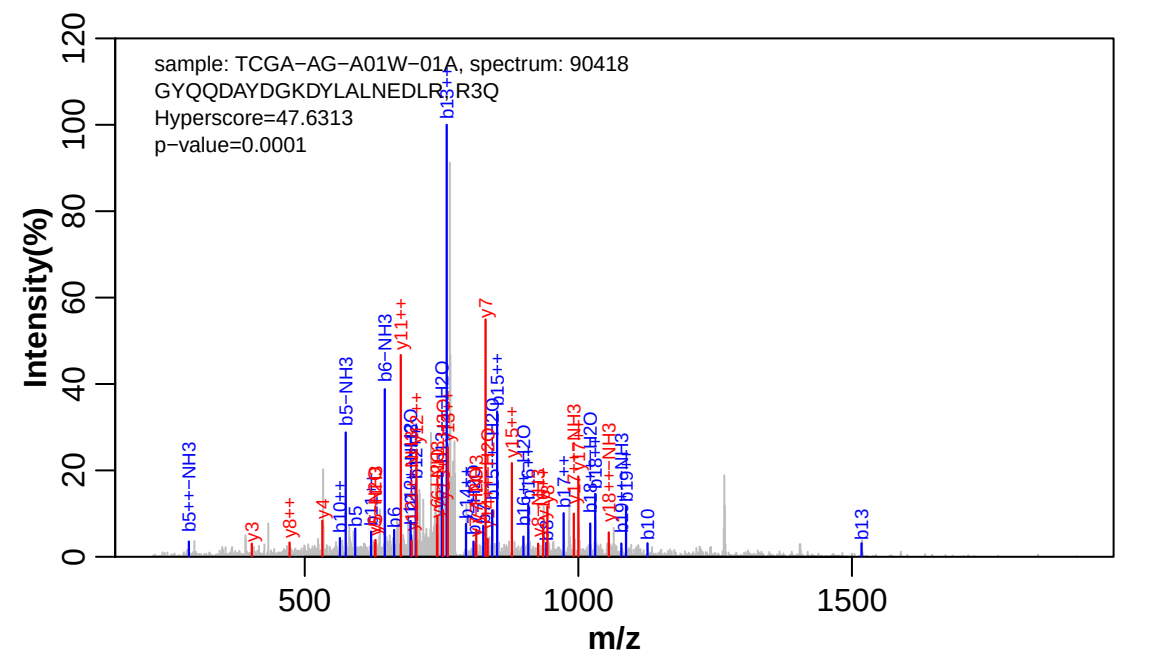

sample: TCGA−AG−A01W−01A, spectrum: 57909
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=89.3696
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4−NH3
y4
y5
y13++−NH3
b25++
b26++
b20++−H2O
b24++
b27++
b29++
b17
b18
b19
b20

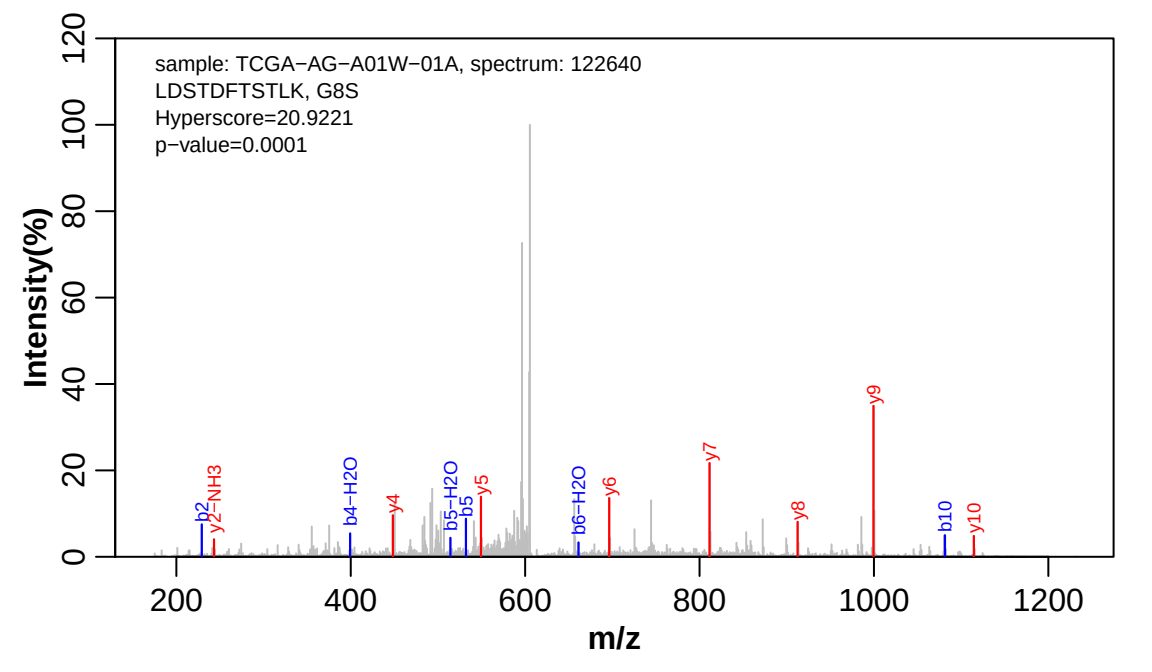

sample: TCGA−AG−A01W−01A, spectrum: 72988
FYLGGPTSVR, I9V
Hyperscore=18.4129
p−value=0.0003
Intensity(%)
m/z
b2
b3
y4
b4
b5
y5
y7
y8
0
20
40
60
80
100
120
200
400
600
800
1000

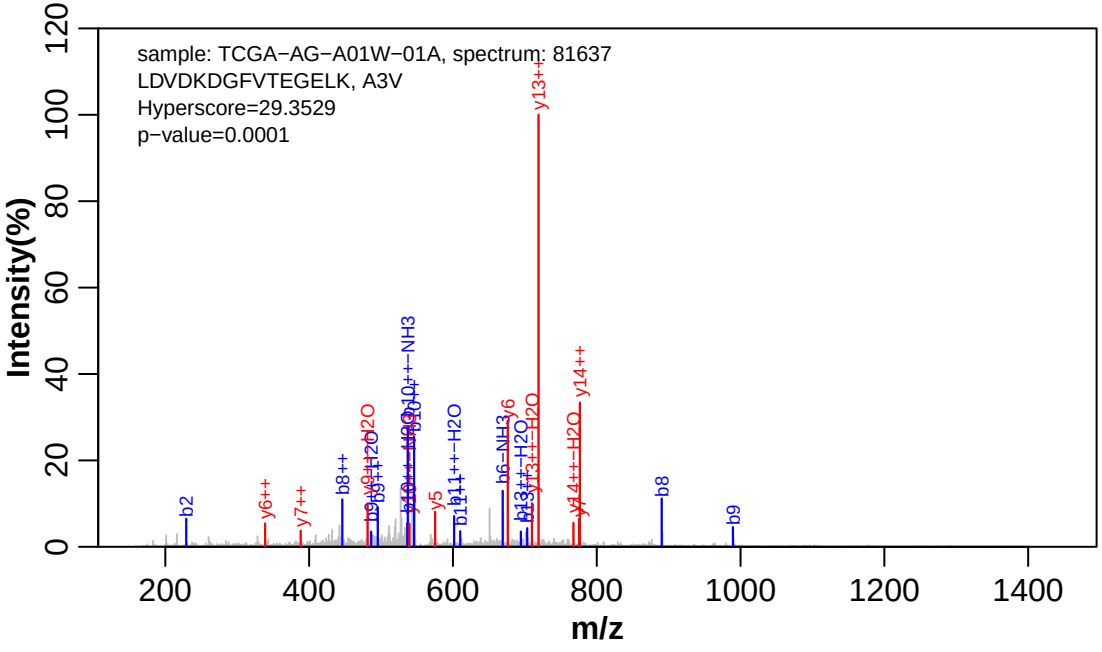

sample: TCGA−AG−A01W−01A, spectrum: 6308
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=64.2907
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−H2O
y2
y5++
b4
y3
y7++
y5−H2O
y6
b9
y17++
b10
y9
b10−H2O
y10−H2O
y11
b12−H2O
b12

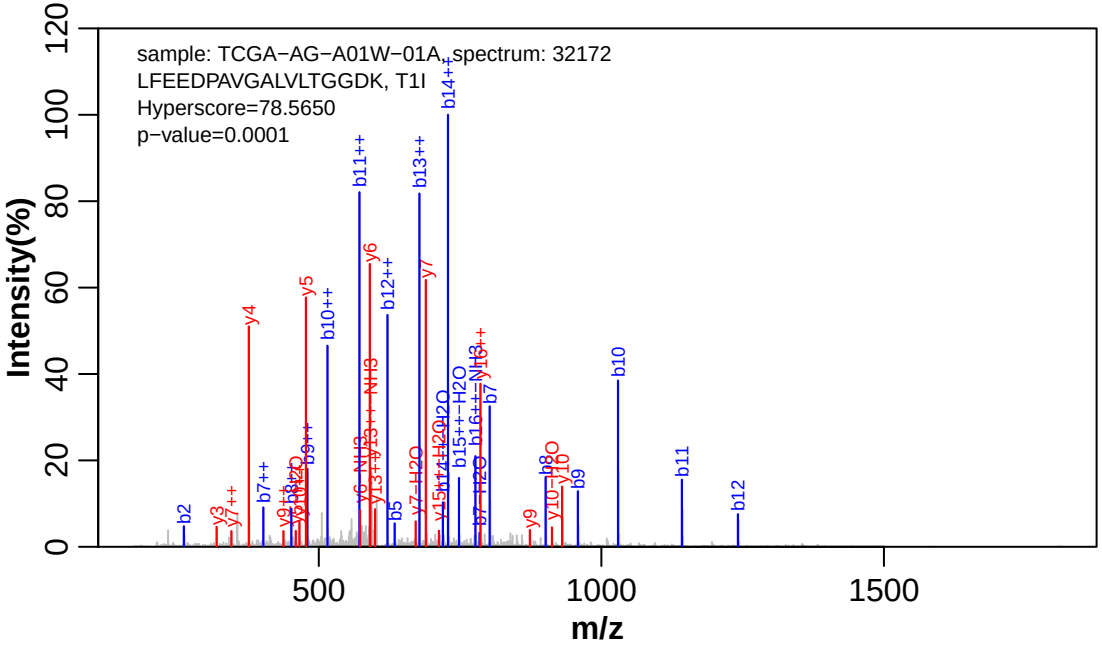

sample: TCGA−AG−A01W−01A, spectrum: 106190
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=117.8788
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10++
y7
b12++−H2O
b16++−H2O
b17++
y18++
b18++
b8
y16++

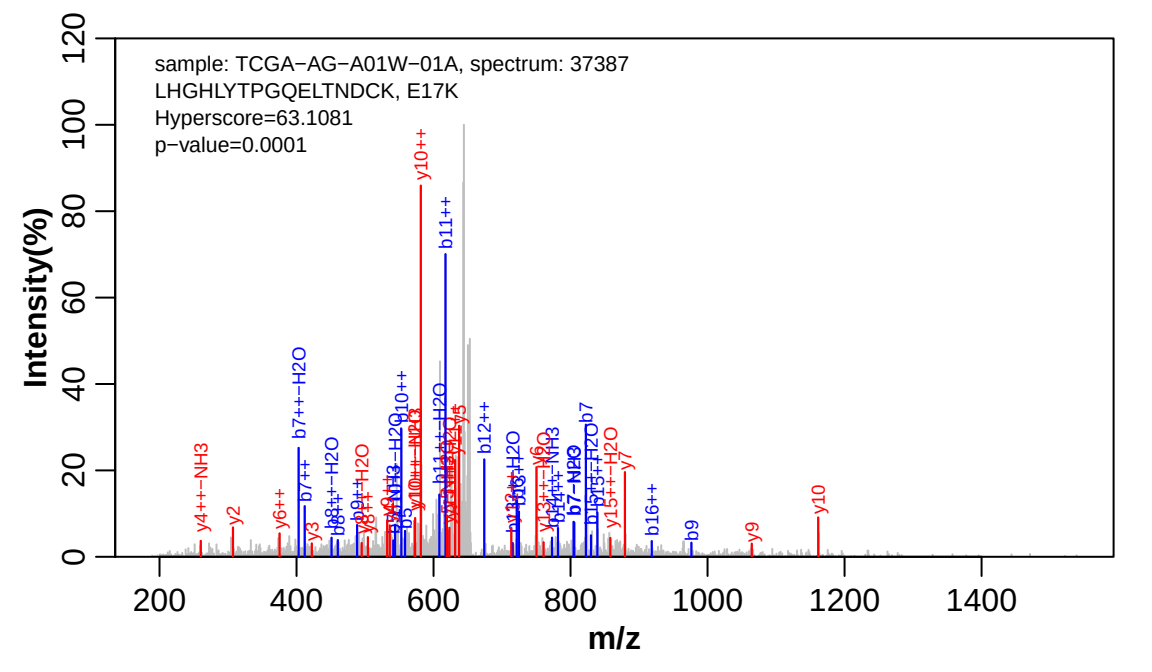

sample: TCGA−AG−A01W−01A, spectrum: 40612
GQTGALLQNTVESLSK, D9N
Hyperscore=58.9949
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
y4
y5
y6
y8
y9
y10
y11
y12
y13
y14

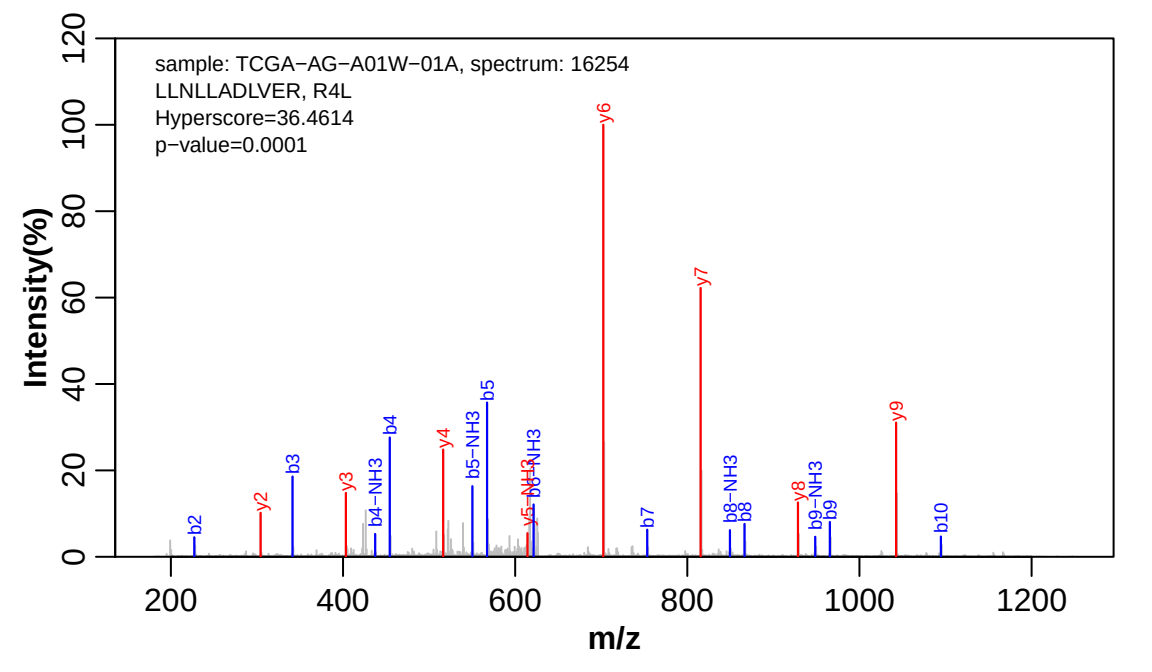

sample: TCGA−AG−A01W−01A, spectrum: 90418
GYQQDAYDGKDYLALNEDLRSR3Q
Hyperscore=47.6313
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b15++
b5++−NH3
y3
y8++
y4
b10++
b5
b5−NH3
b6
b6−NH3
y11++
y7
y15++
y15++−H2O
b17++
y17++−NH3
b18++H2O
y18++−NH3
b19++NH3
b10
b13

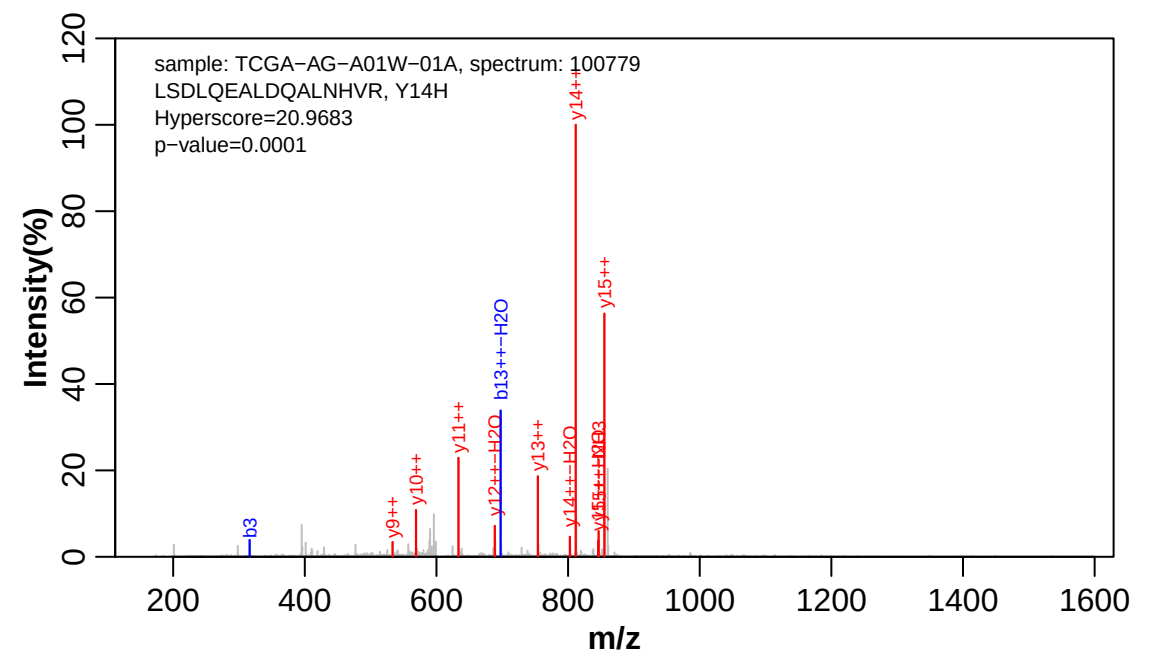

sample: TCGA−AG−A01W−01A, spectrum: 122640
LDSTDFTSTLK, G8S
Hyperscore=20.9221
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−NH3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
y6
y7
y8
y9
b10
y10

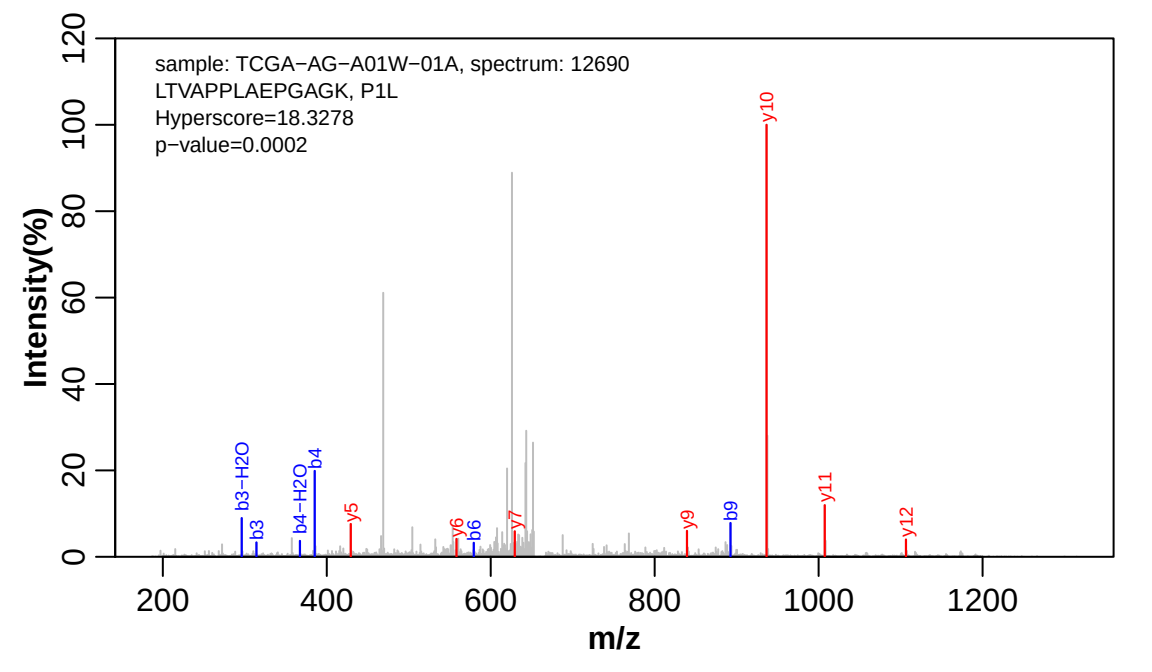

sample: TCGA−AG−A01W−01A, spectrum: 81637
LDVDKDGFVTEGELK, A3V
Hyperscore=29.3529
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y6++
y7++
b8++
y13++
y5
b11++−H2O
b6−NH3
y6
y14++−H2O
y14++
b8
b9

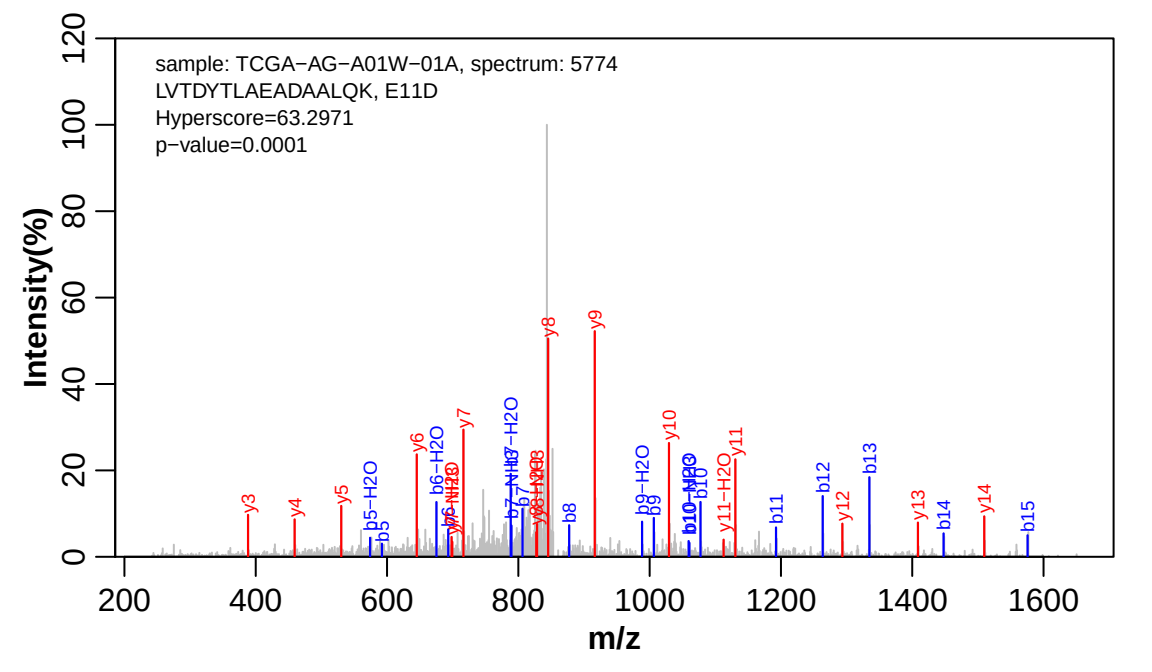

sample: TCGA−AG−A01W−01A, spectrum: 32172
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=78.5650
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y7++
y4
b7++
y5
b10++
b9++
b11++
y6
y13++y15++−NH3
b12++
y7
b13++
b14++
b5
y7−H2O
b15++−H2O
b16++−NH3
b7
b10
b11
b12
b9
y10−h8O
y10
y9

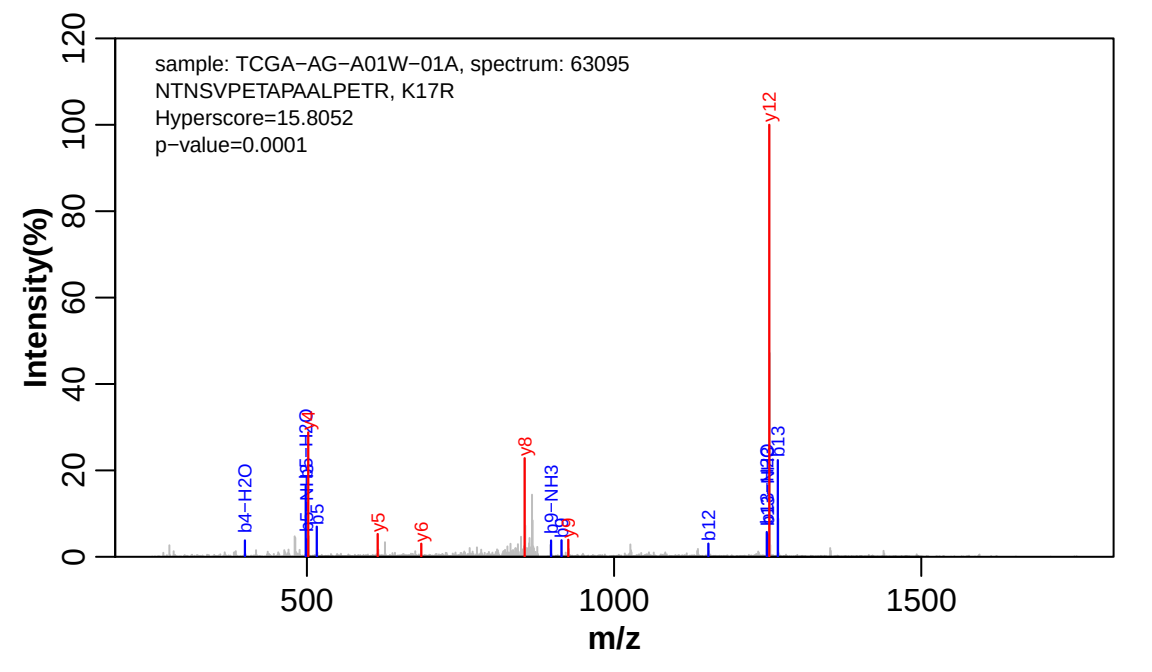

sample: TCGA−AG−A01W−01A, spectrum: 37387
LHGHLYTPGQELTNDCK, E17K
Hyperscore=63.1081
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10++
b11++
b7++−H2O
y4++−NH3
y2
y6++
b7++
y3
b8++−H2O
y8++−H2O
b12++
y7
b16++
b9
y9
y10

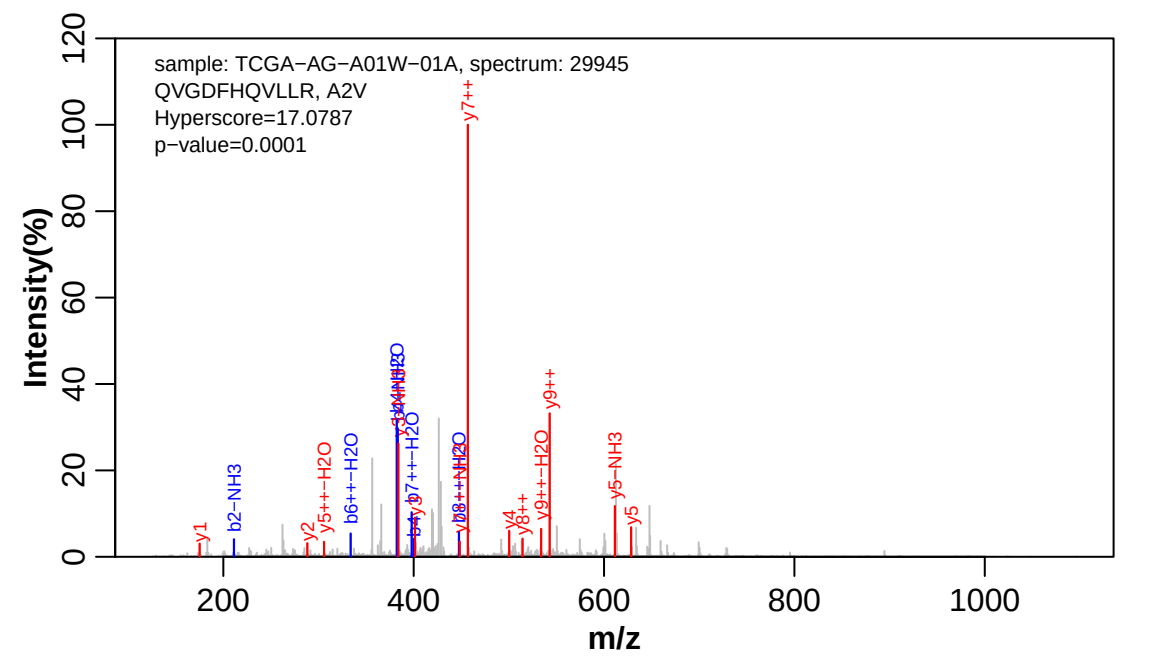

sample: TCGA−AG−A01W−01A, spectrum: 16254
LLNLLADLVER, R4L
Hyperscore=36.4614
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

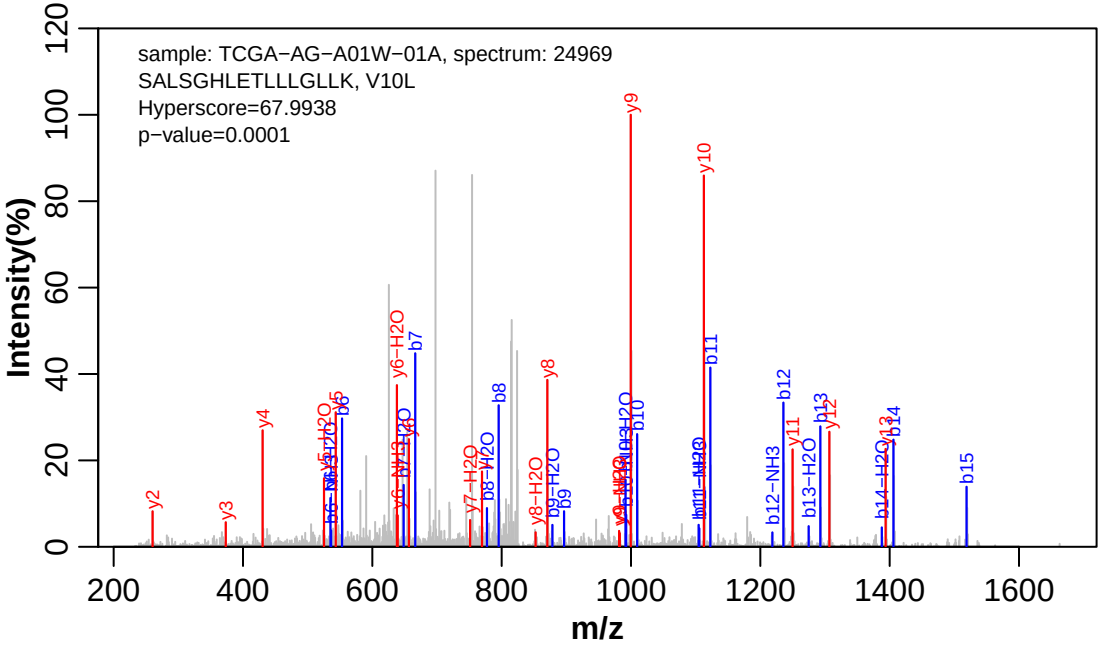

sample: TCGA−AG−A01W−01A, spectrum: 100779
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.9683
p−value=0.0001
Intensity(%)
m/z
b3
y9++
y10++
y11++
b13++−H2O
y12++−H2O
y13++
y14++−H2O
y14++
y15++

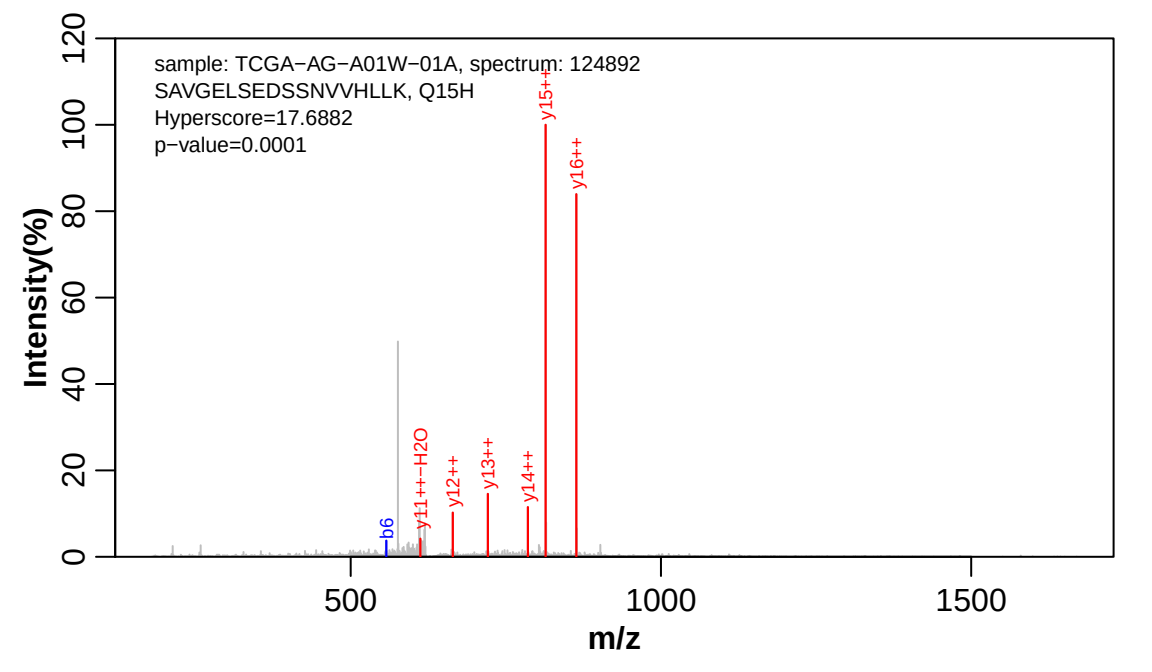

sample: TCGA−AG−A01W−01A, spectrum: 12690
LTVAPPLAEPGAGK, P1L
Hyperscore=18.3278
p−value=0.0002
Intensity(%)
m/z
b3−H2O
b3
b4−H2O
b4
y5
y6
b6
y7
y9
b9
y10
y11
y12

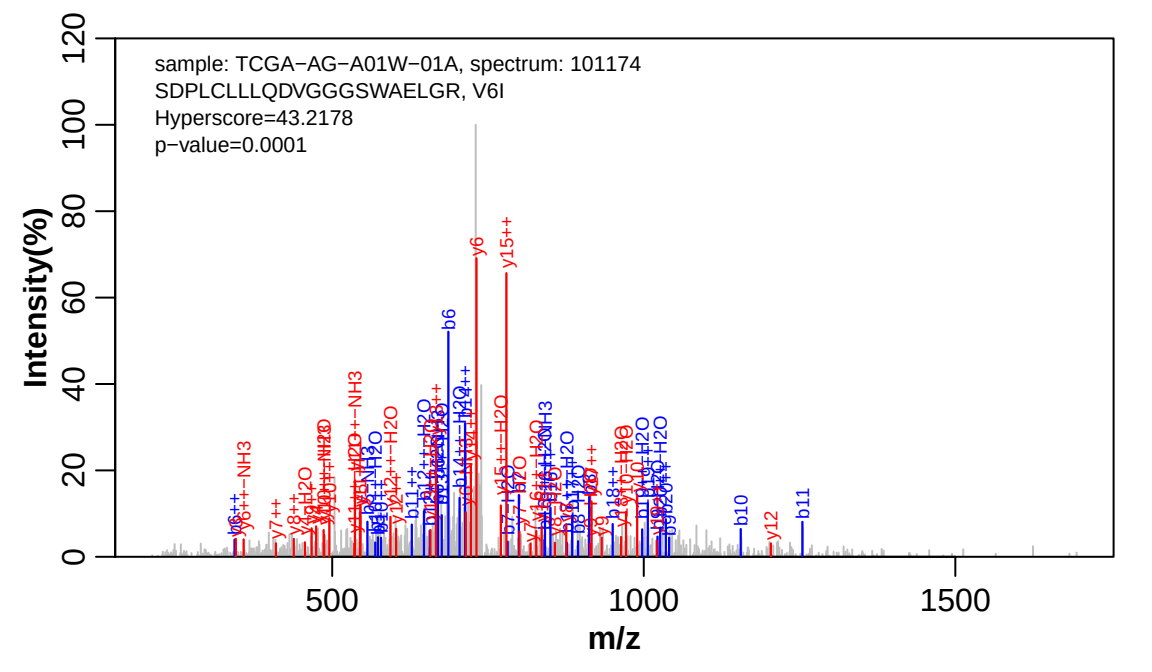

sample: TCGA−AG−A01W−01A, spectrum: 5774
LVTDYTLAEADAALQK, E11D
Hyperscore=63.2971
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
y4
y5
b5−H2O
b5
y6
b6−H2O
y7
b7−NH3
b7−H2O
b7
y8
y9
b8
b9−H2O
b9
y10
b10−NH3
b10−H2O
b10
y11
y11−H2O
b11
b12
y12
b13
y13
b14
y14
b15

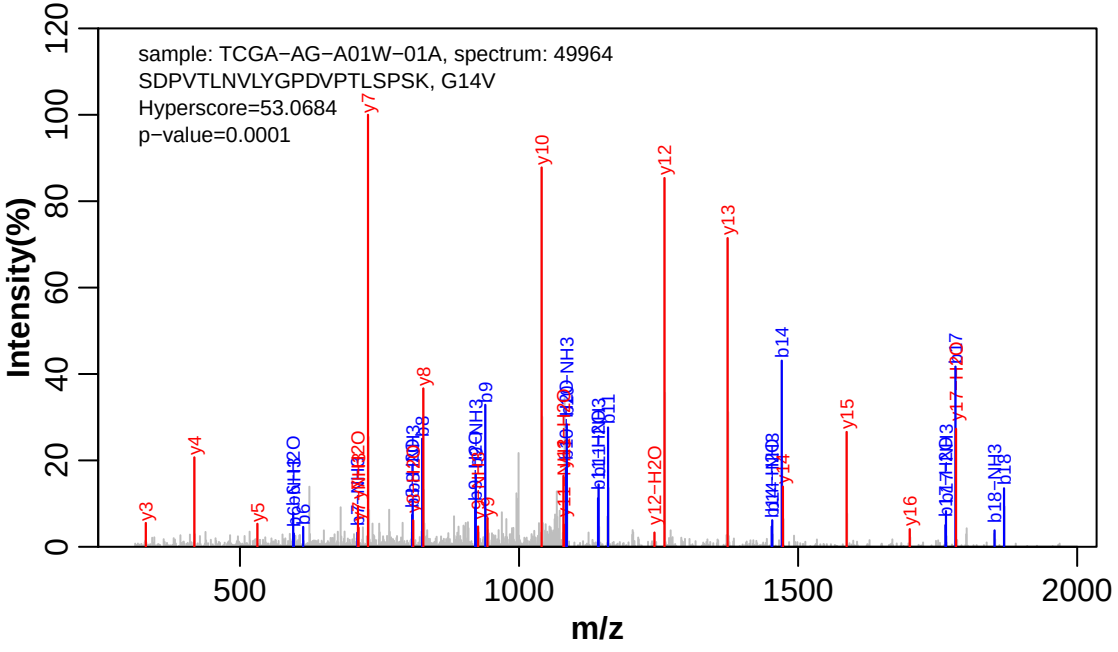

sample: TCGA−AG−A01W−01A, spectrum: 63095
NTNSVPETAPAALPETR, K17R
Hyperscore=15.8052
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y8
y5
y6
b4−H2O
b5
b12
b13
y9−NH3

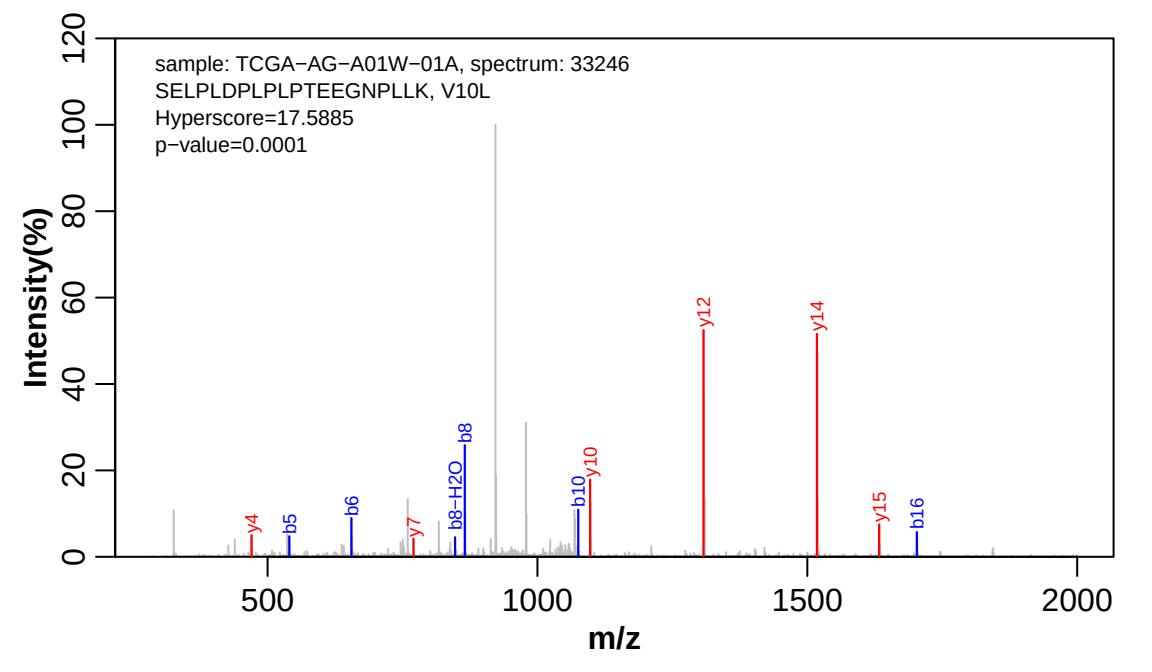

sample: TCGA−AG−A01W−01A, spectrum: 29945
QVGDFHQVLLR, A2V
Hyperscore=17.0787
p−value=0.0001
Intensity(%)
m/z
y7++
y9++
y5−NH3
y9++−H2O
y5++−H2O
b6++−H2O
y7++−H2O
y8++−NH3
b2−NH3
y1
y2
y4
y8++
y5

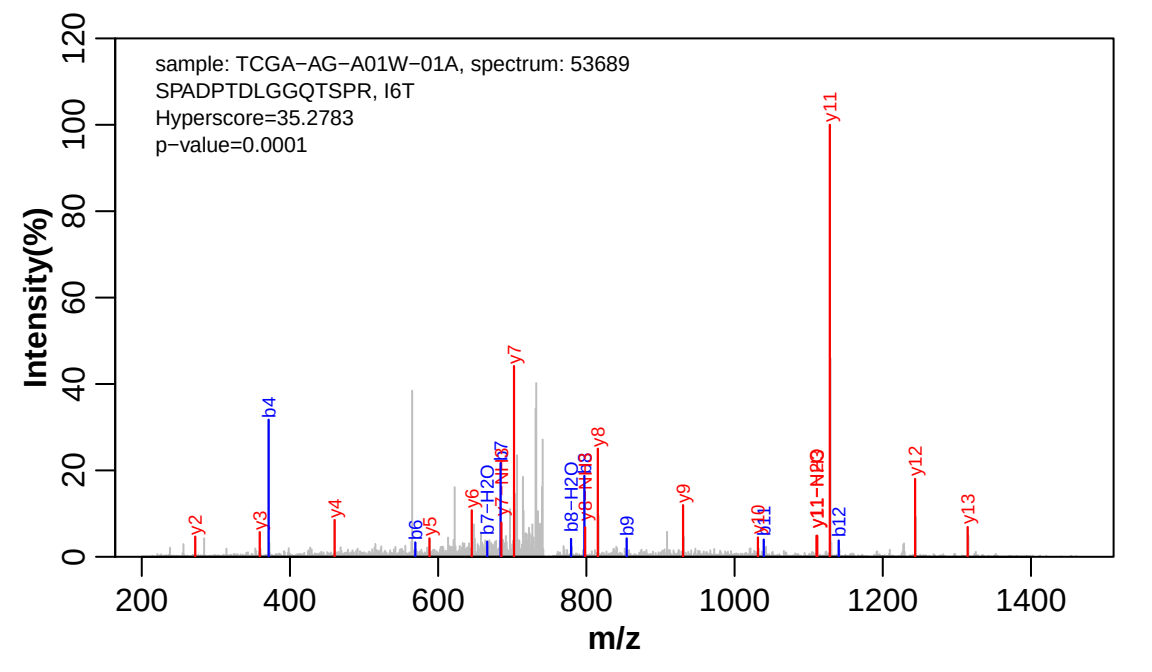

sample: TCGA−AG−A01W−01A, spectrum: 24969
SALSGHLETLLLGLLK, V10L
Hyperscore=67.9938
p−value=0.0001
Intensity(%)
m/z
y9
y10
y4
y2
y3
y8
y6−H2O
b7
b8
b11
b12
b10
y11
y12
b13
b14
b15
y8−H2O
b9−H2O
y7−H2O
b8−H2O
b12−NH3
b13−H2O
b14−H2O
y5−H2O
b6
y6−NH3
y6
b5−NH3
b5−H2O
b5
b11−NH3
b11−H2O

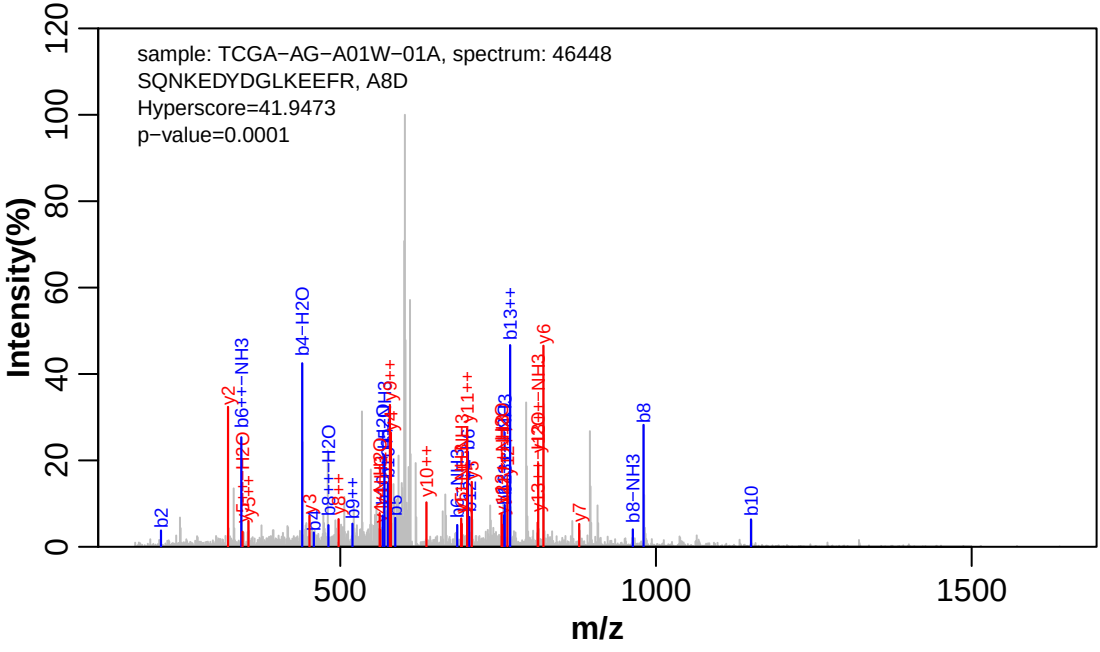

sample: TCGA−AG−A01W−01A, spectrum: 124892
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.6882
p−value=0.0001
y15++
y16++
y11++−H2O
y12++
y13++
y14++
b6
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

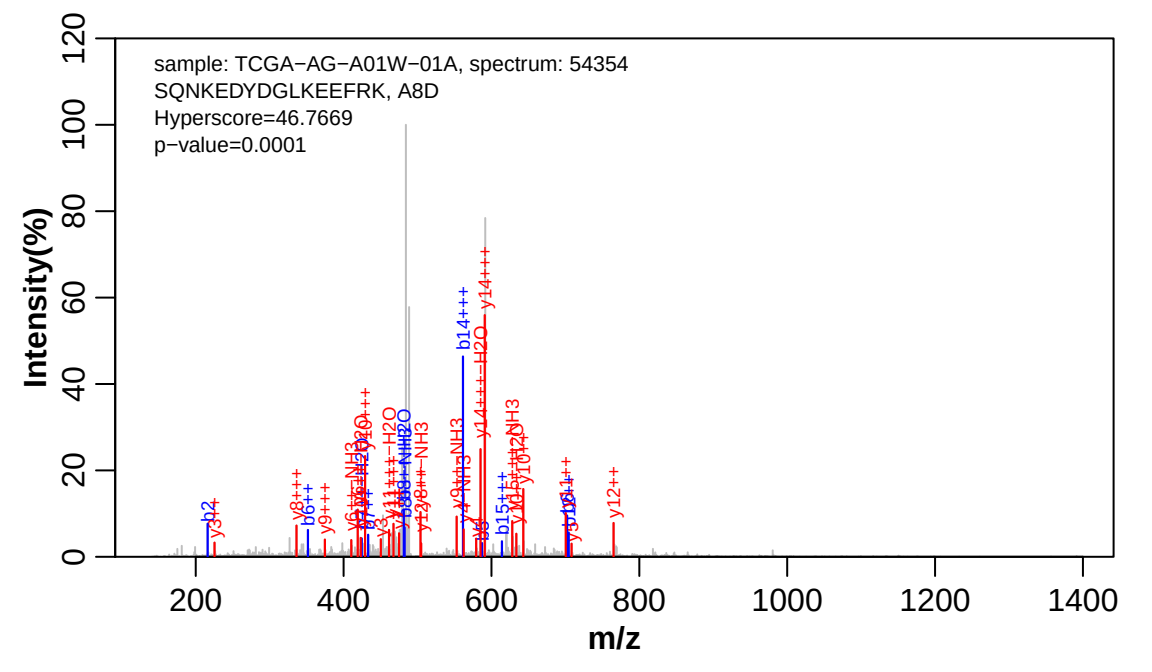

sample: TCGA−AG−A01W−01A, spectrum: 101174
SDPLCLLLQDVGGGSWAELGR, V6I
Hyperscore=43.2178
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y6
y15++
b6
b10
b11
y12

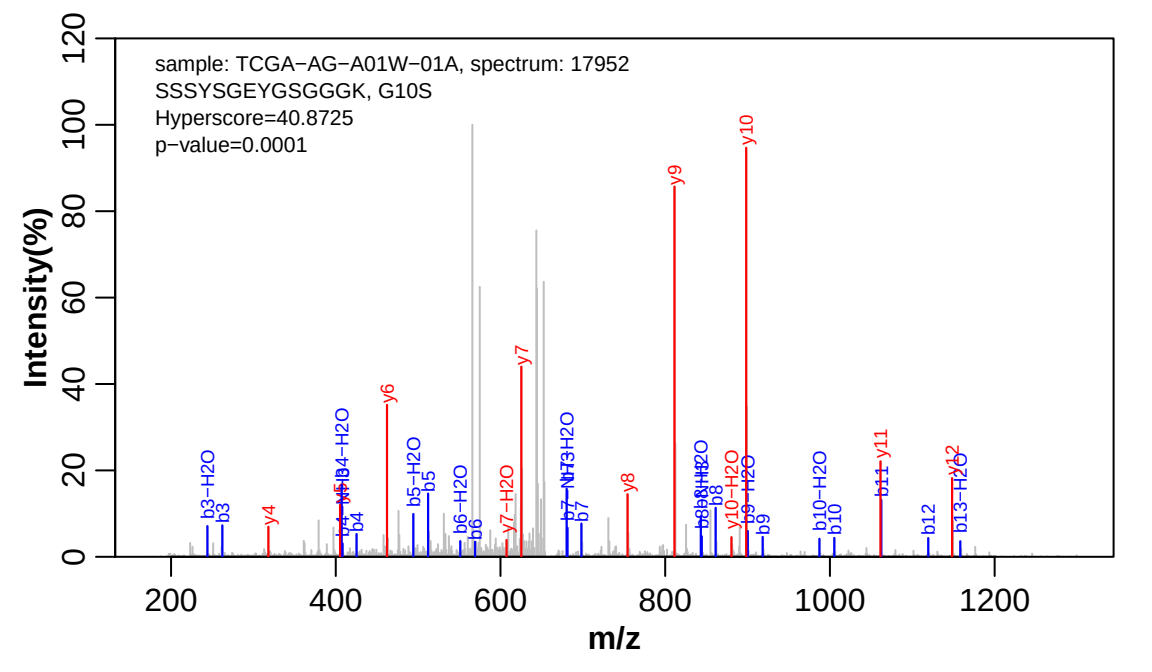

sample: TCGA−AG−A01W−01A, spectrum: 49964
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=53.0684
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3
y4
y5
y7
y8
y9
y10
y11
y12
y13
y14
y15
y16
y17
b8
b9
b11
b14
b18
y12−H2O
y12−NH3

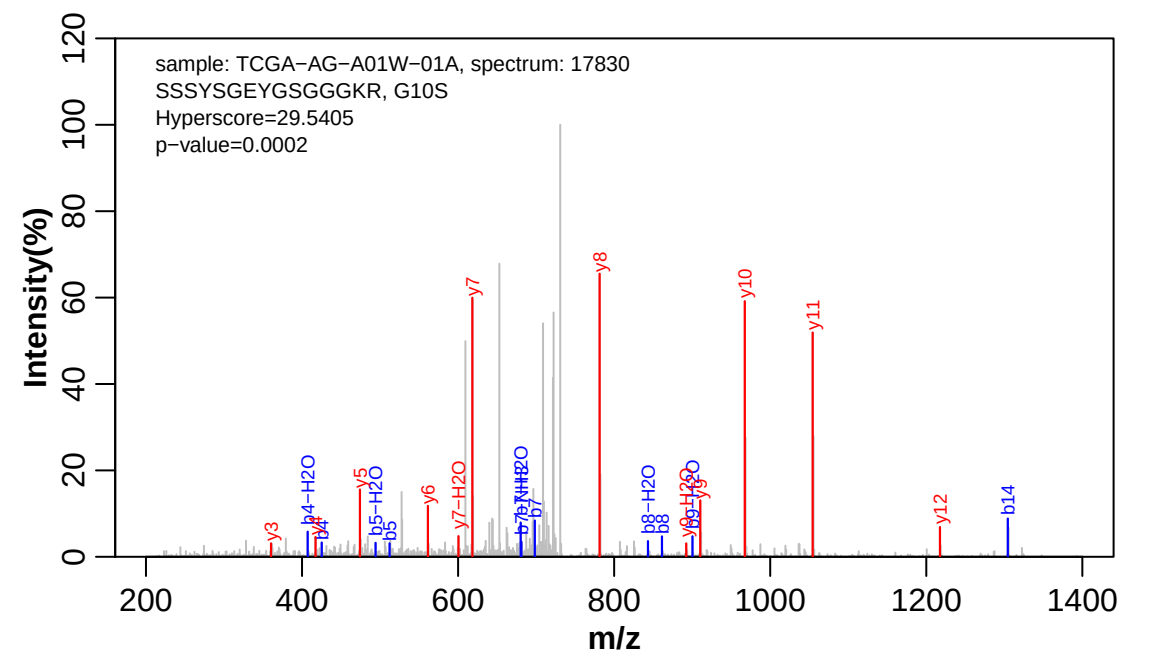

sample: TCGA−AG−A01W−01A, spectrum: 33246
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=17.5885
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
y4
b5
b6
y7
b8−H2O
b8
b10
y10
y12
y14
y15
b16

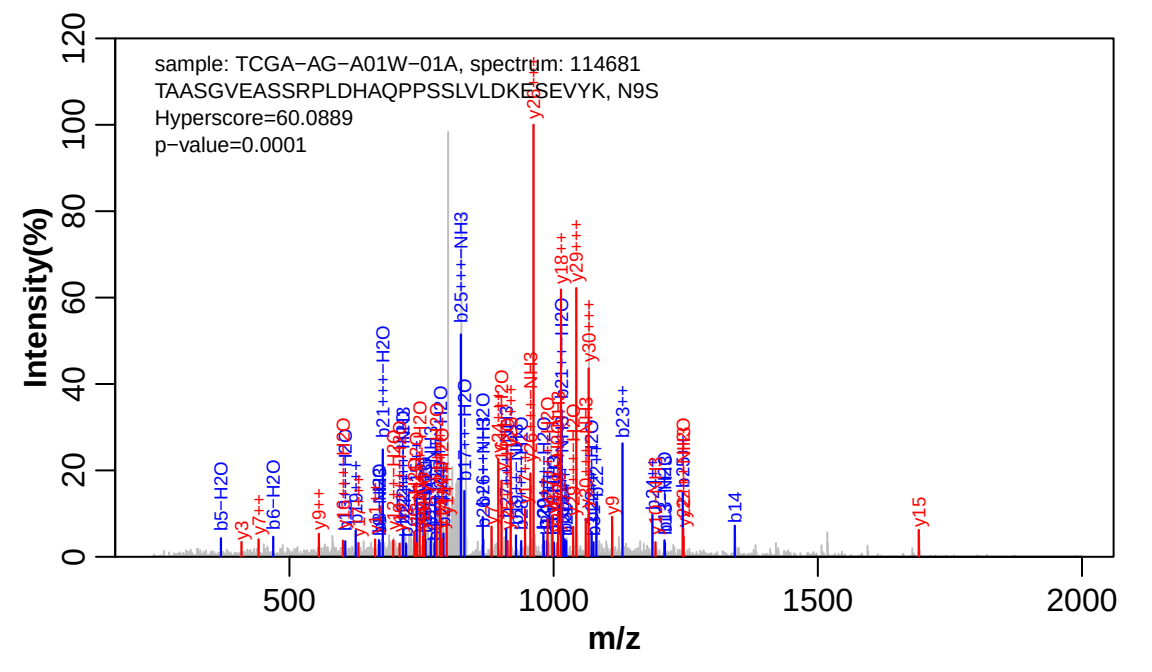

sample: TCGA−AG−A01W−01A, spectrum: 53689
SPADPTDLGGQTSPR, I6T
Hyperscore=35.2783
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
y3
b4
y4
b6
y5
y6
b7−H2O
y7
y7−NH3
y8
b8−H2O
y8−NH3
b9
y9
b10
b11
y11−NH3
y11−H2O
b12
y11
y12
y13

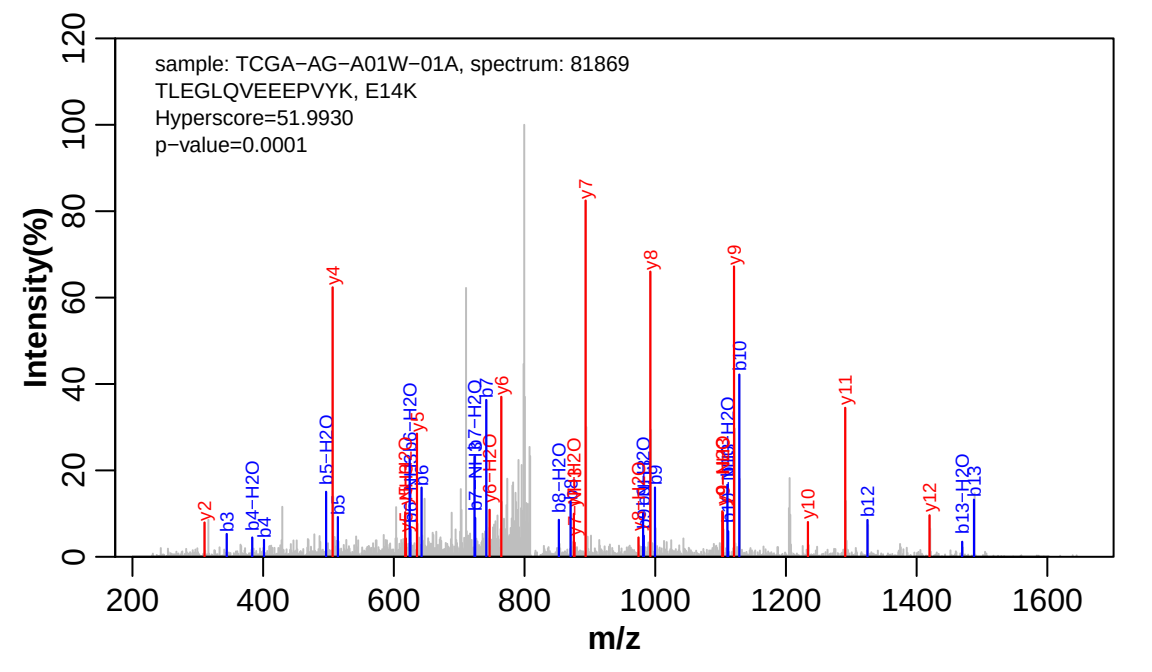

sample: TCGA−AG−A01W−01A, spectrum: 46448
SQNKEDYDGLKEEFR, A8D
Hyperscore=41.9473
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
y3++−H2O
b6++−NH3
b4−H2O
y3
b8++−H2O
b9++
y4++
y10++
b13++
y6
y11++
y7
b8−NH3
b8
b10

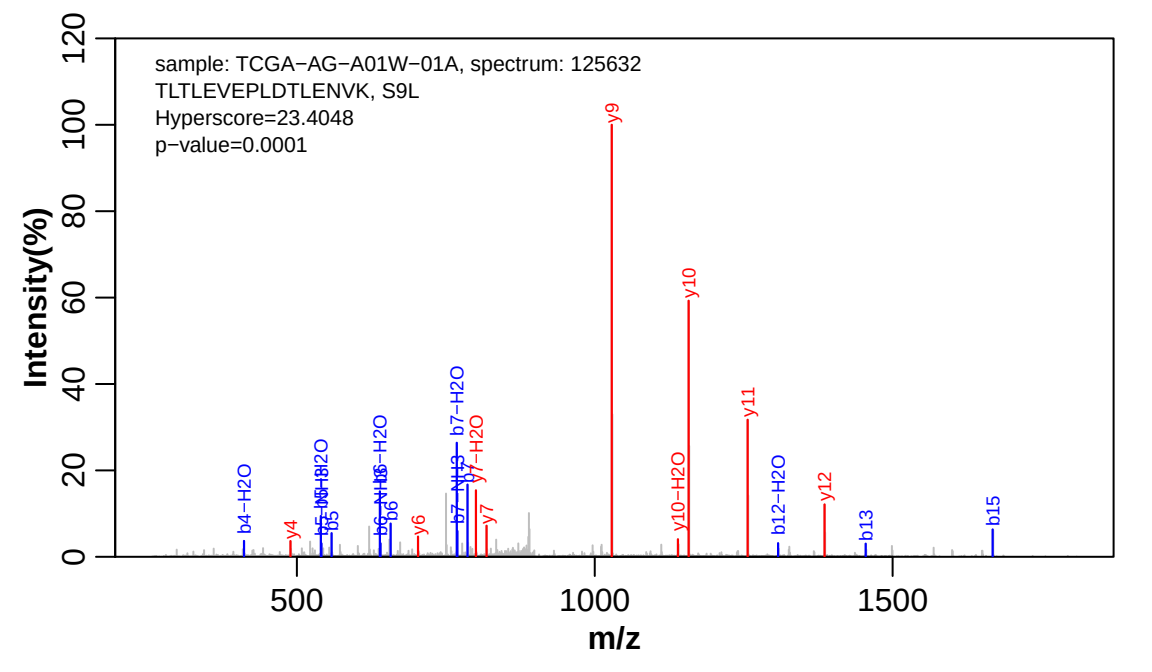

sample: TCGA−AG−A01W−01A, spectrum: 54354
SQNKEDYDGLKEEFRK, A8D
Hyperscore=46.7669
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3++
y8+++
b6++
y9+++
b14+++
y14+++
y12++

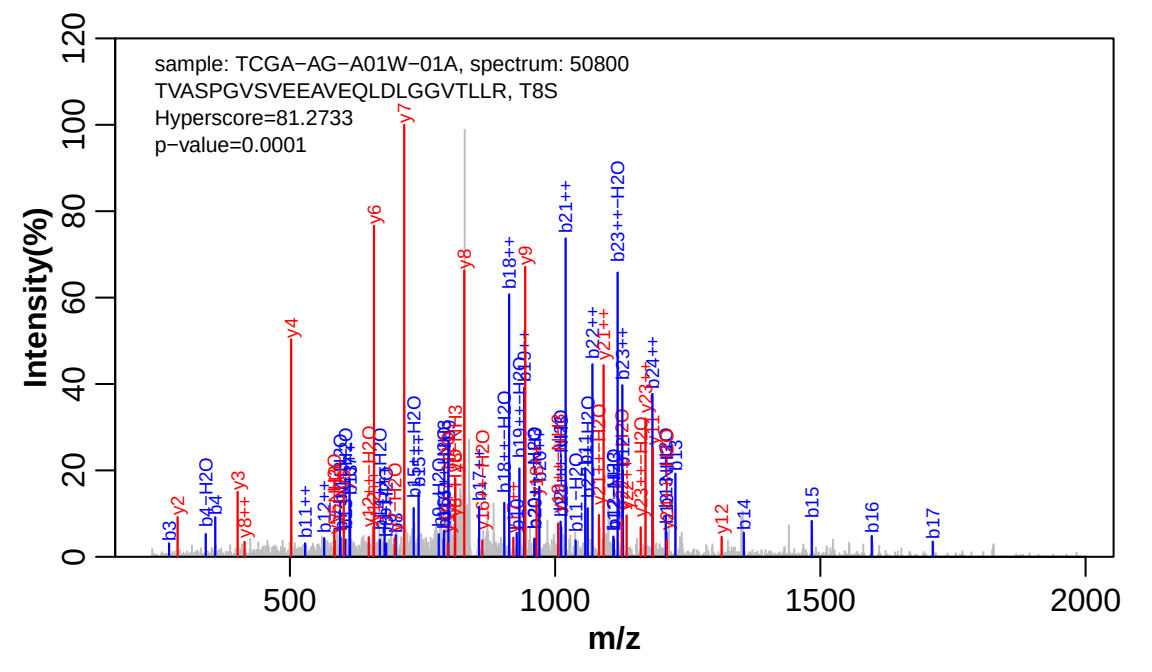

sample: TCGA−AG−A01W−01A, spectrum: 17952
SSSYSGEYGSGGGK, G10S
Hyperscore=40.8725
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
b3
y4
y5
b4−H2O
b4
y6
b5−H2O
b5
b6−H2O
b6
y7−H2O
y7
b7−NH3
b7−H2O
b7
y8
y9
y10
b8
y10−H2O
b9−H2O
b9
b10−H2O
b10
b11
y11
b12
y12
b13−H2O

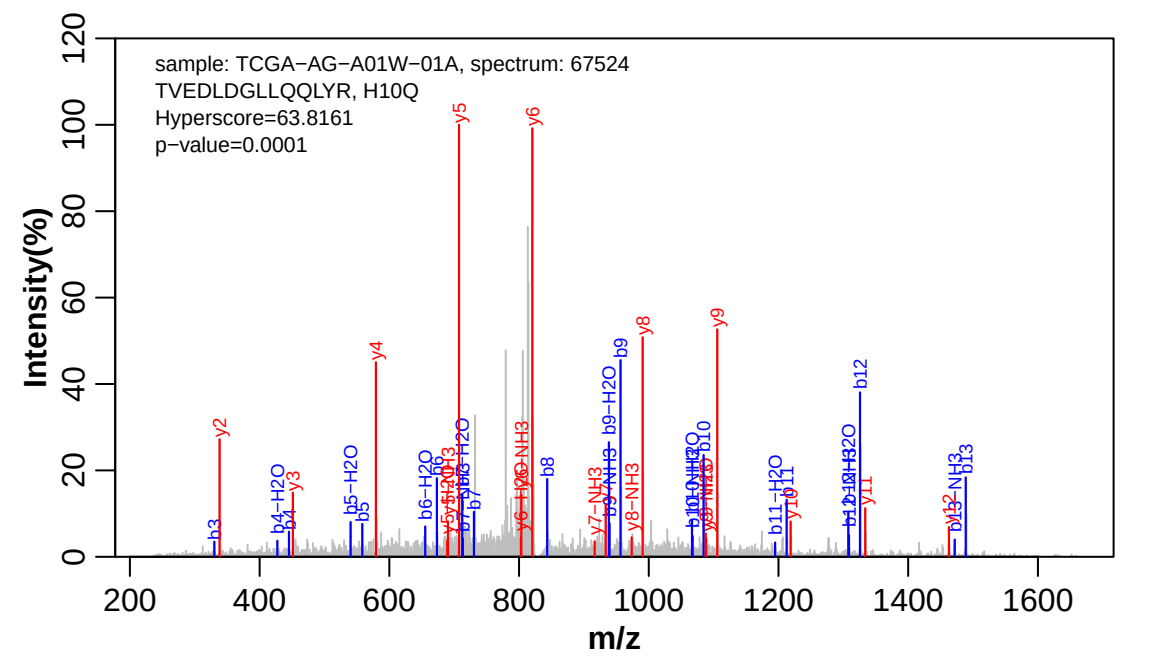

sample: TCGA−AG−A01W−01A, spectrum: 17830
SSSYSGEYGSGGGKR, G10S
Hyperscore=29.5405
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b4−H2O
b4
y5
b5−H2O
b5
y6
y7−H2O
y7
b7−NH3
b7−H2O
b7
y8
b8−H2O
b8
y9−H2O
y9
y10
y11
y12
b14

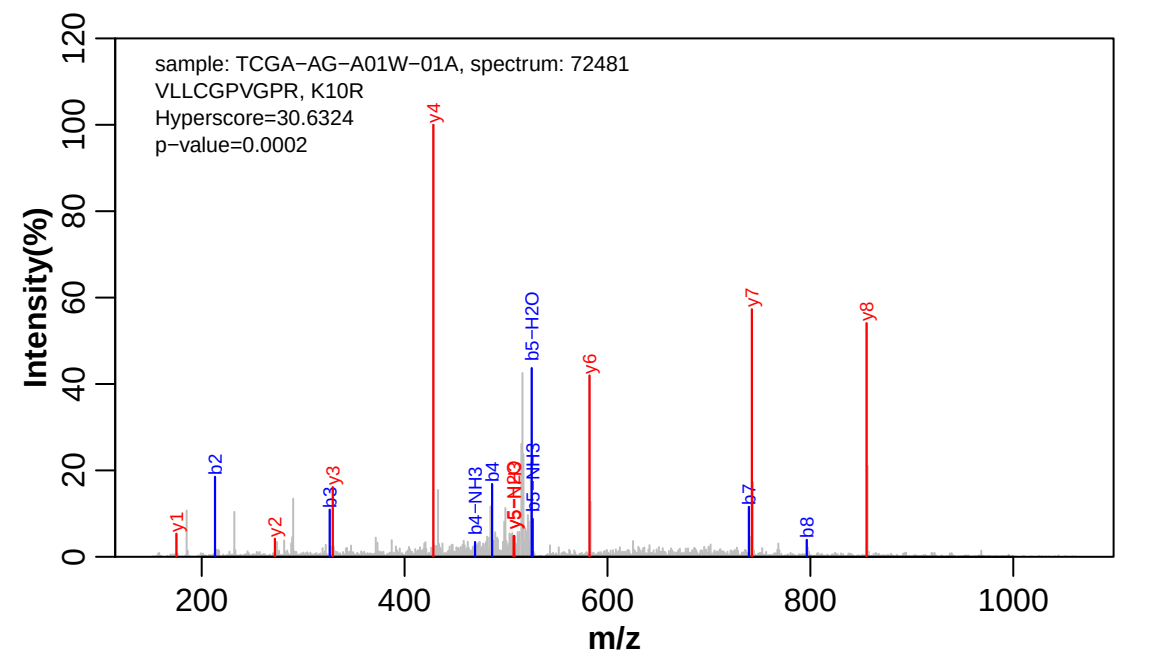

sample: TCGA−AG−A01W−01A, spectrum: 114681
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=60.0889
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5−H2O
y3
y7++
b6−H2O
y9++
b21++−H2O
b25+++−NH3
b17++−H2O
b26++−NH3
y28++
y18++
y29+++
y30+++
b23++
y9
b14
y15

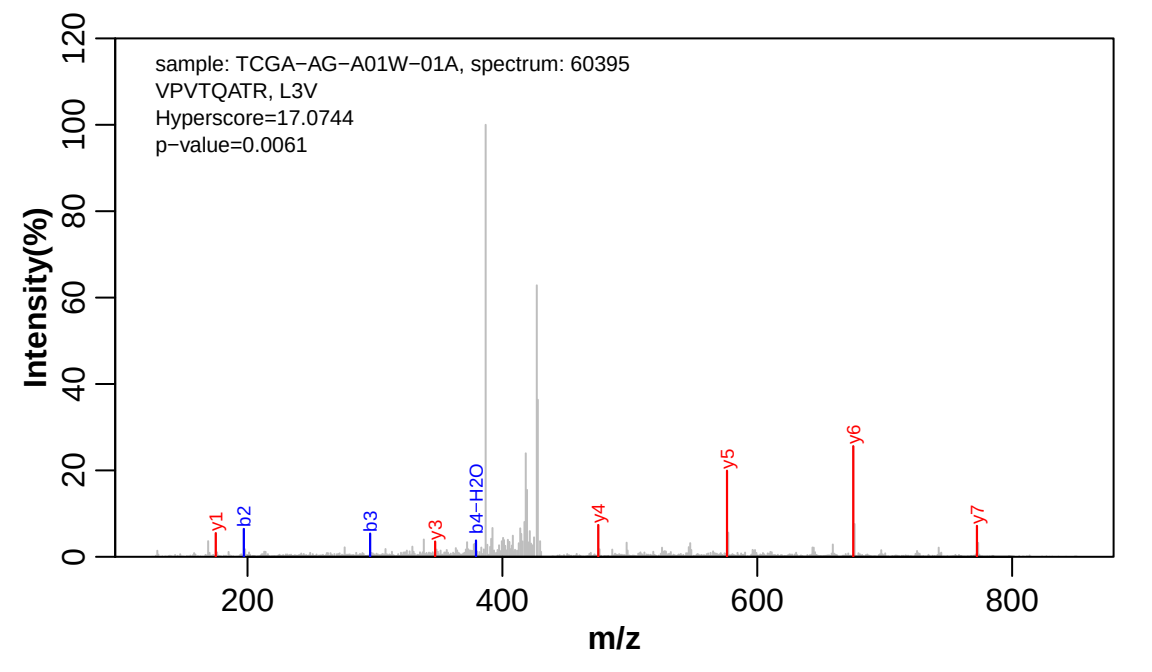

sample: TCGA−AG−A01W−01A, spectrum: 81869
TLEGLQVEEEPVYK, E14K
Hyperscore=51.9930
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
b4−H2O
b4
b5−H2O
b5
y4
b6
y5−H2O
y5
b7−NH3−H2O
b7
y6−H2O
y6
y7
b8−H2O
b8
y7−NH3
y7−H2O
y8−H2O
b9
y8
y9
b10
y10
y11
b12
y12
b13−H2O
b13

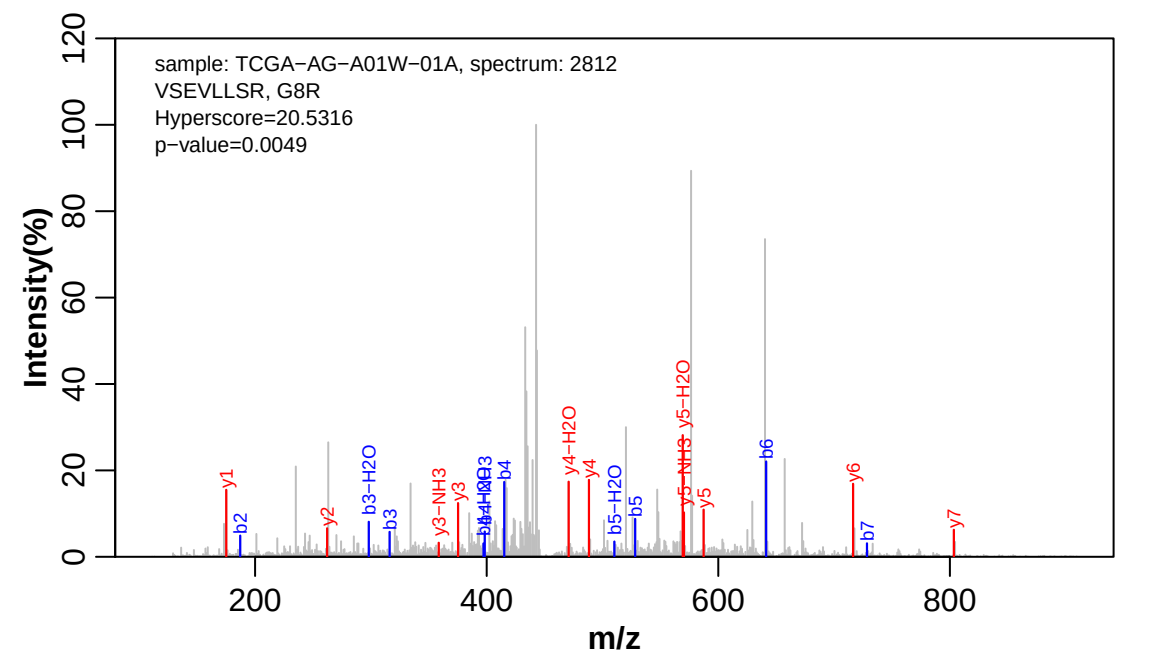

sample: TCGA−AG−A01W−01A, spectrum: 125632
TLTLEVEPLDTLENVK, S9L
Hyperscore=23.4048
p−value=0.0001
Intensity(%)
m/z
y9
y10
y11
y12
b15
b13
b12−H2O
y10−H2O
b7−H2O
y7−H2O
b4−H2O
y4
y6
b6
b5
0
20
40
60
80
100
120
500
1000
1500

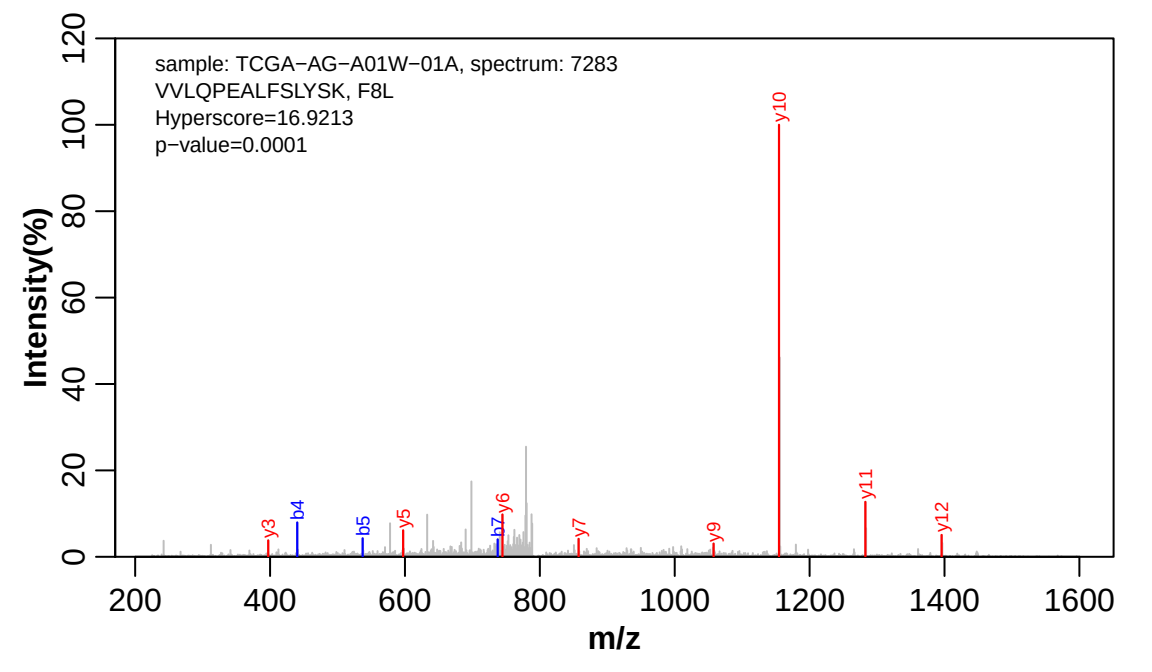

sample: TCGA−AG−A01W−01A, spectrum: 50800
TVASPGVSVEEAVEQLDLGGVTLLR, T8S
Hyperscore=81.2733
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y7
y6
y8
y4
b21++
b23++−H2O
b18++
y9
b15++−H2O
y3
y8++
b11++
b4−H2O
y2
b3
y12
b14
b15
b16
b17

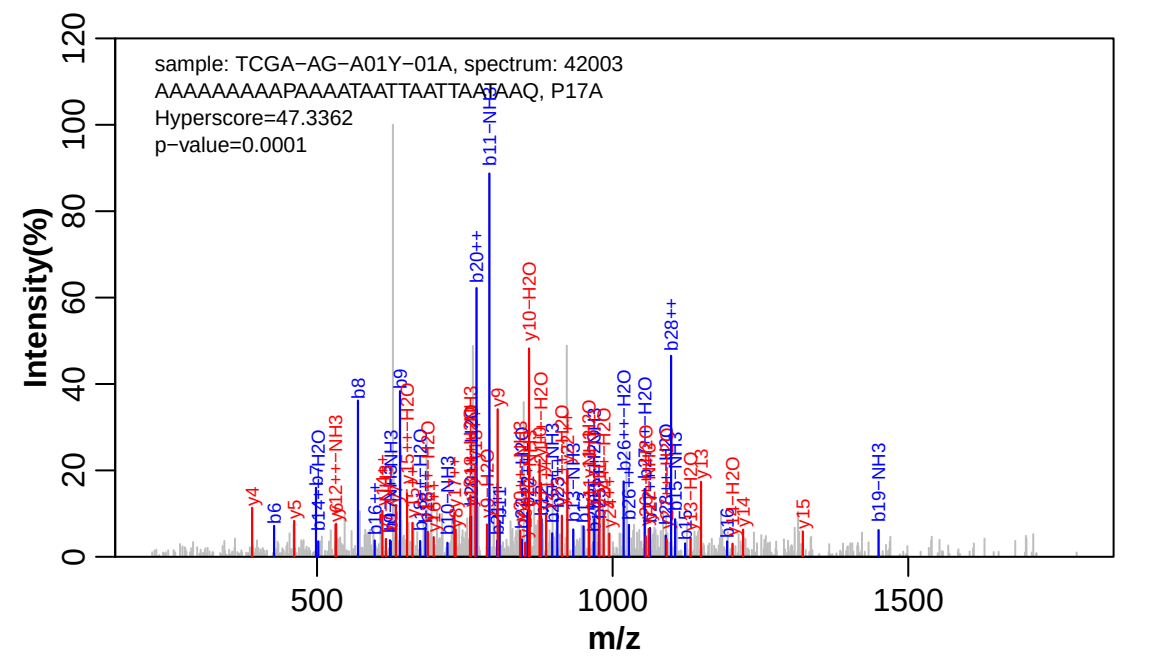

sample: TCGA−AG−A01W−01A, spectrum: 67524
TVEDLDGLLQQLYR, H10Q
Hyperscore=63.8161
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y3
y4
y5
y6
y7−NH3
y8
y8−NH3
y9
y10
y11
b3
b4−H2O
b4
b5−H2O
b5
b6−H2O
b8
b9
b9−H2O
b11−H2O
b12
b13
b13−NH3

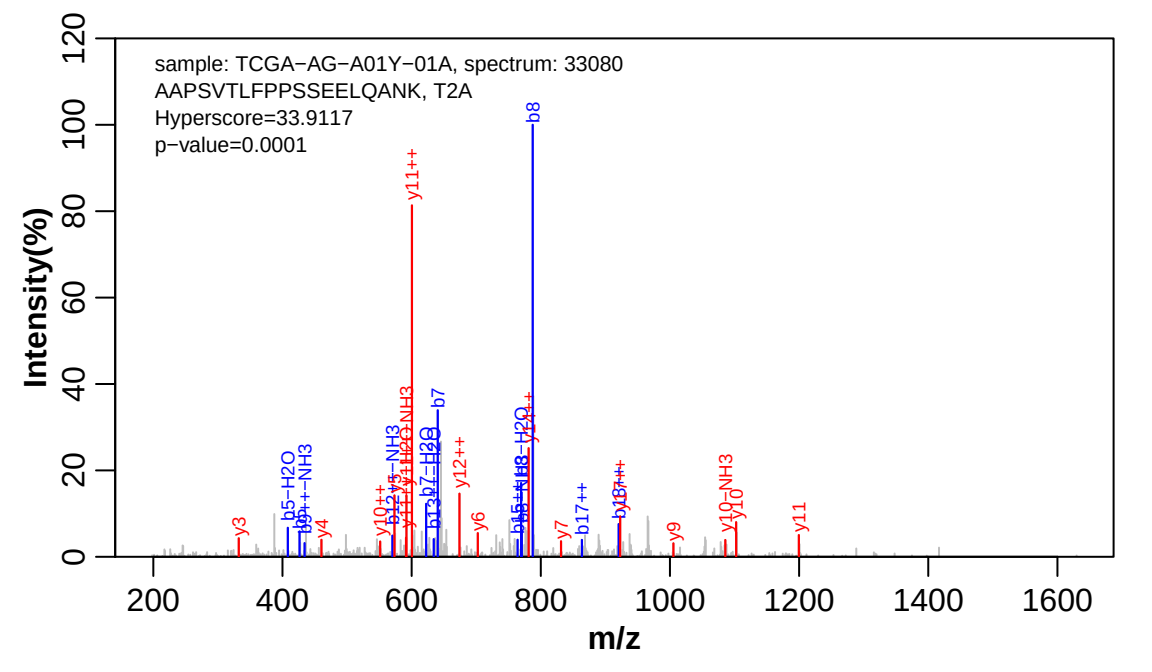

sample: TCGA−AG−A01W−01A, spectrum: 72481
VLLCGPVGPR, K10R
Hyperscore=30.6324
p−value=0.0002
Intensity(%)
m/z
y4
y7
y8
y6
b5−H2O
b2
y3
y1
y2
b4−NH3
b4
b5−NH3
b7
b8

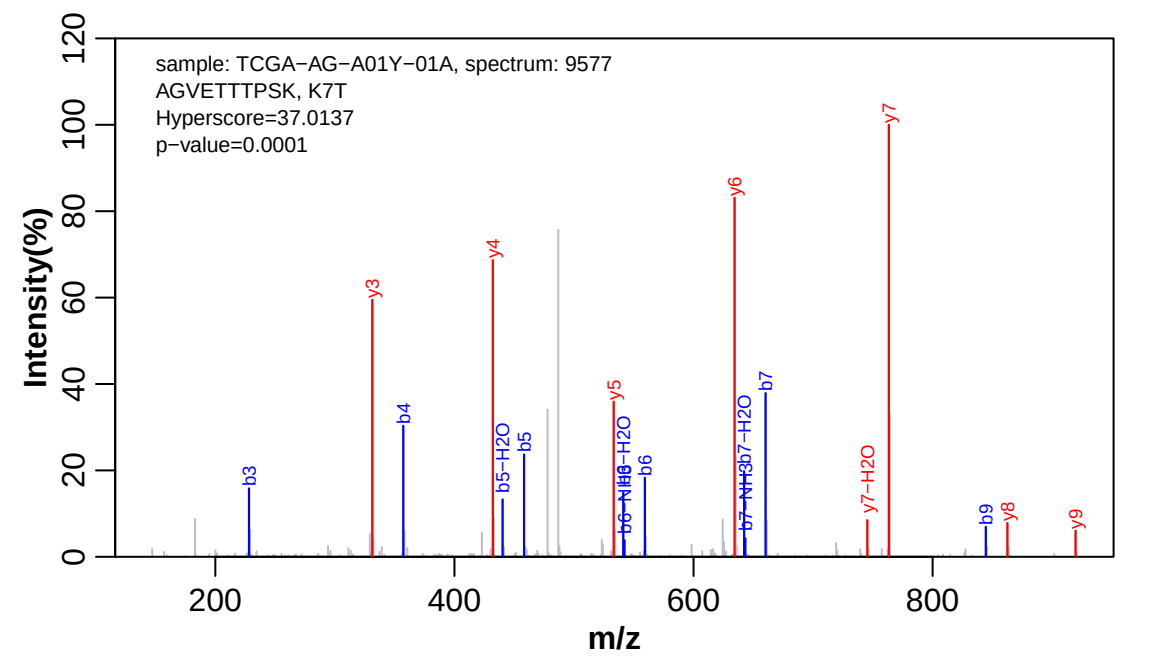

sample: TCGA−AG−A01W−01A, spectrum: 60395
VPVTQATR, L3V
Hyperscore=17.0744
p−value=0.0061
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3
y3
b4−H2O
y4
y5
y6
y7

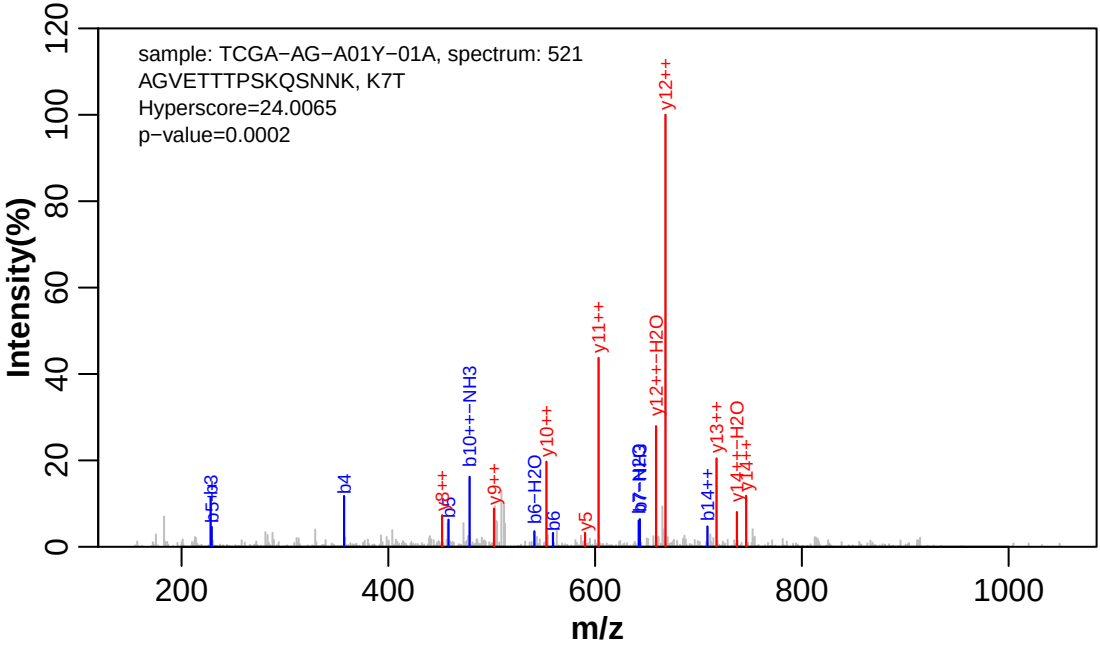

sample: TCGA−AG−A01W−01A, spectrum: 2812
VSEVLLSR, G8R
Hyperscore=20.5316
p−value=0.0049
Intensity(%)
m/z
y1
b2
y2
b3−H2O
b3
y3−NH3
y3
b4
y4−H2O
y4
b5−H2O
b5
y5−NH3
y5−H2O
y5
b6
y6
b7
y7

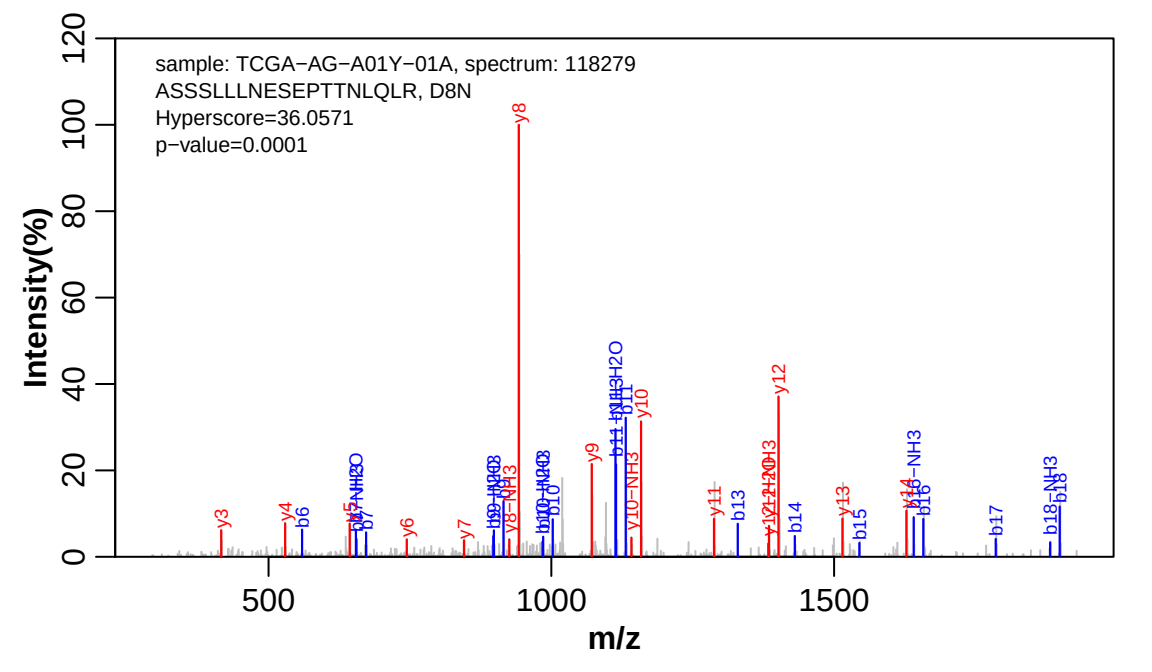

sample: TCGA−AG−A01W−01A, spectrum: 7283
VVLQPEALFSLYSK, F8L
Hyperscore=16.9213
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
1600
y3
b4
b5
y5
b7
y6
y7
y9
y10
y11
y12

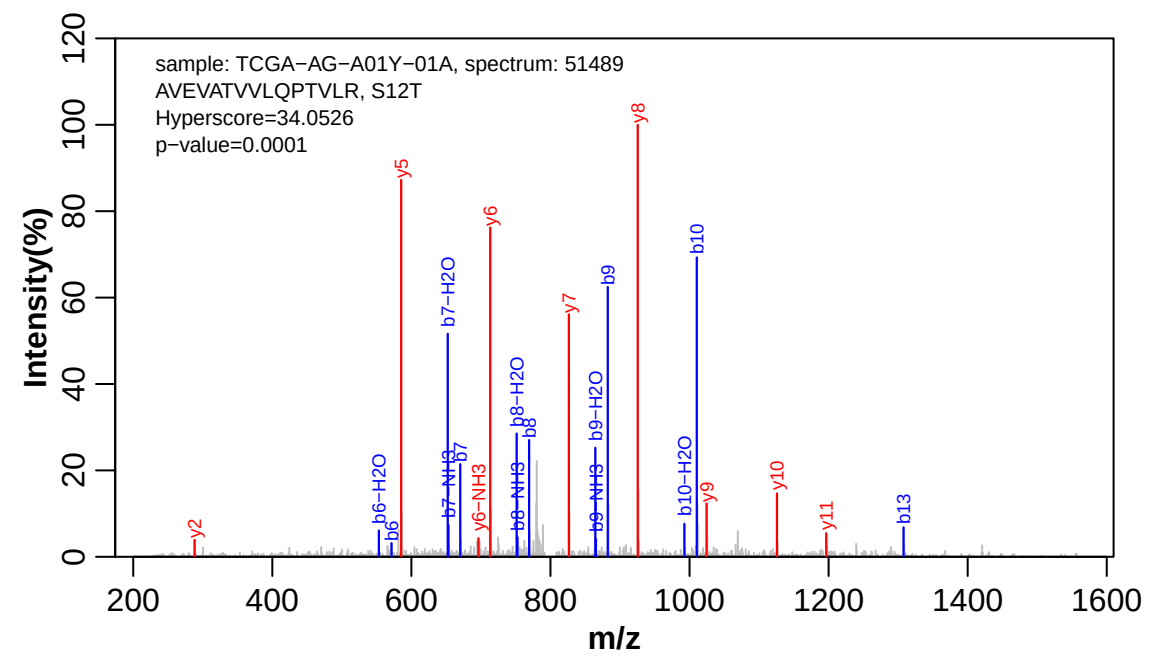

sample: TCGA−AG−A01Y−01A, spectrum: 42003
AAAAAAAAAPAAAATAATTAATTAATAAAQ, P17A
Hyperscore=47.3362
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b11−NH3
b20++
y10−H2O
b28++
b8
b9
y9
y4
b6
y5
b19−NH3
y15
y14−H2O
y13
b16
b26++−H2O
b27++−H2O
b14−H2O
y12++−NH3

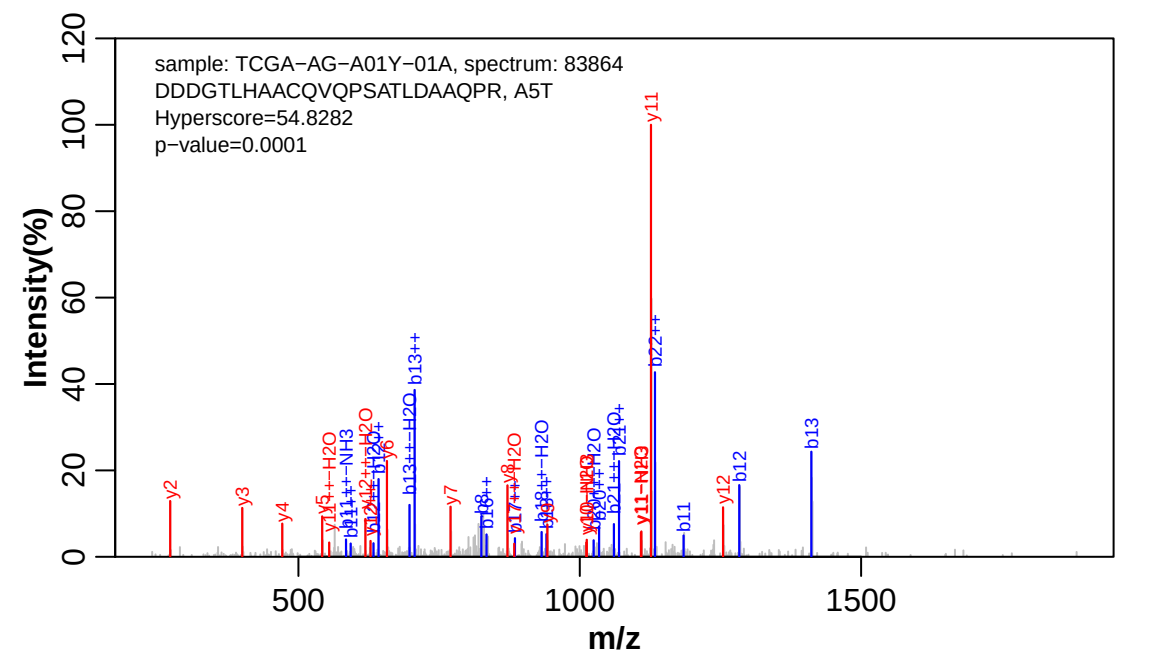

sample: TCGA−AG−A01Y−01A, spectrum: 33080
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=33.9117
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b8
y11++
b7
y12++
y6
y7
b17++
y9
y11
y10
y10−NH3
y3
b5−H2O
b5++−NH3
y4
y10++
b17−NH3

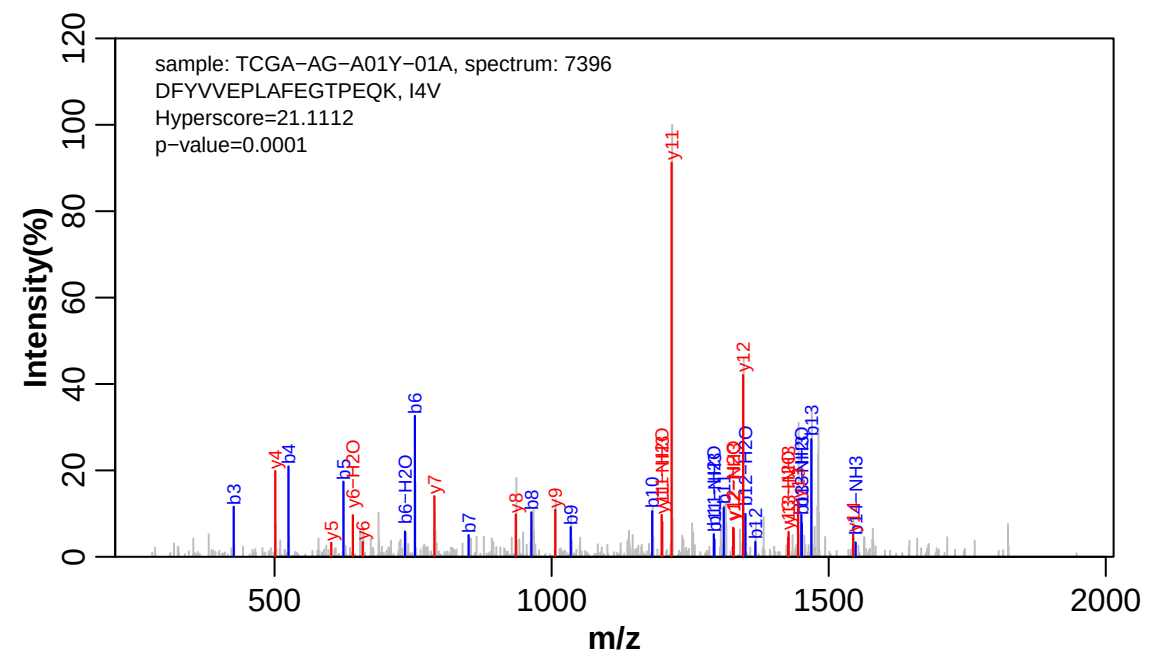

sample: TCGA−AG−A01Y−01A, spectrum: 9577
AGVETTTPSK, K7T
Hyperscore=37.0137
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6
b7−NH3
b7−H2O
b7
y7
y7−H2O
b9
y8
y9

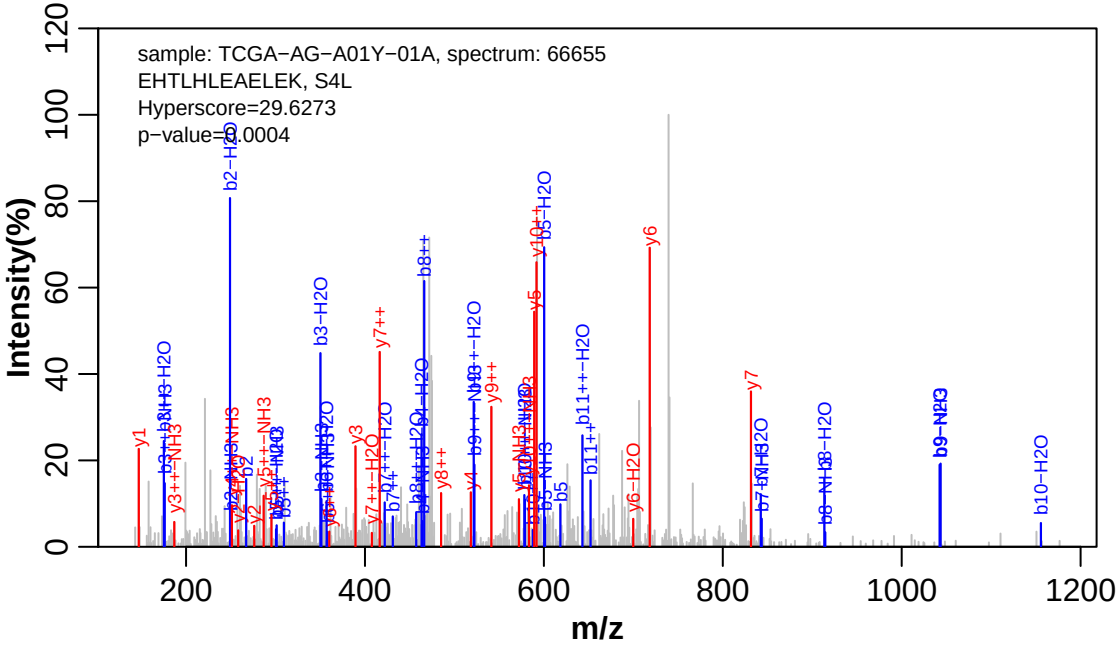

sample: TCGA−AG−A01Y−01A, spectrum: 521
AGVETTTPSKQSNNK, K7T
Hyperscore=24.0065
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b4
b5−H3
b8++
b9
b10++−NH3
y9++
b6−H2O
y10++
b6
y5
y11++
b7−NH3
y12++−H2O
y12++
b14++
y13++
y14++−H2O
y14++

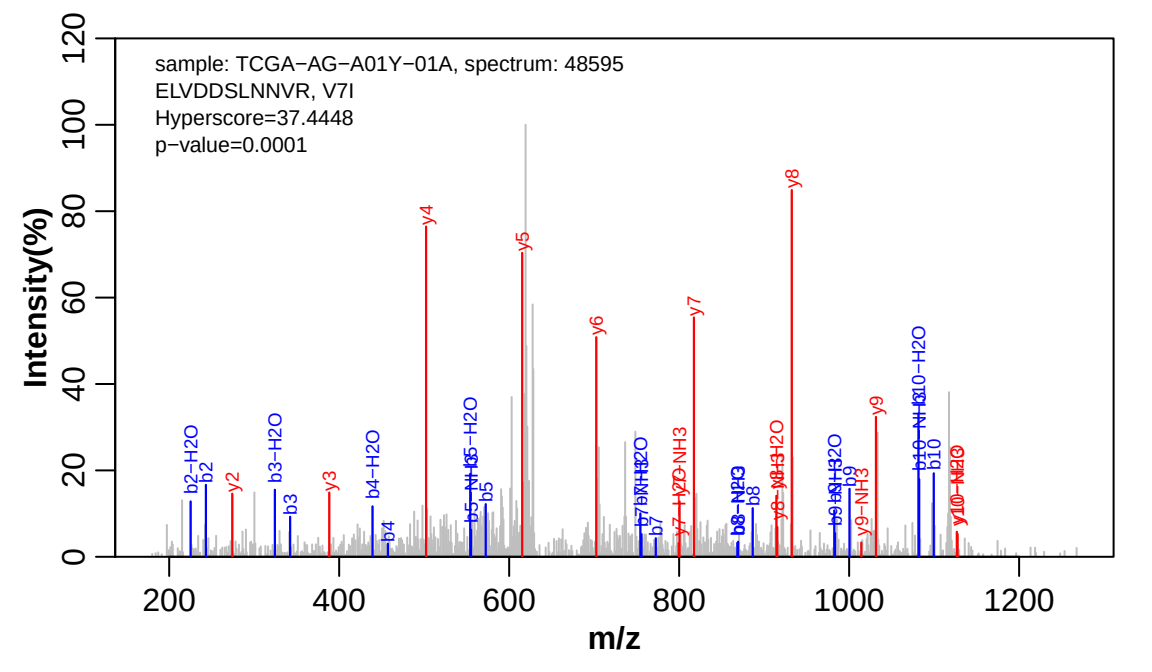

sample: TCGA−AG−A01Y−01A, spectrum: 118279
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=36.0571
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
b6
y6
y7
y8
y9
y10
y11
b13
y12
b14
y13
b15
b16
b17
b18
b19

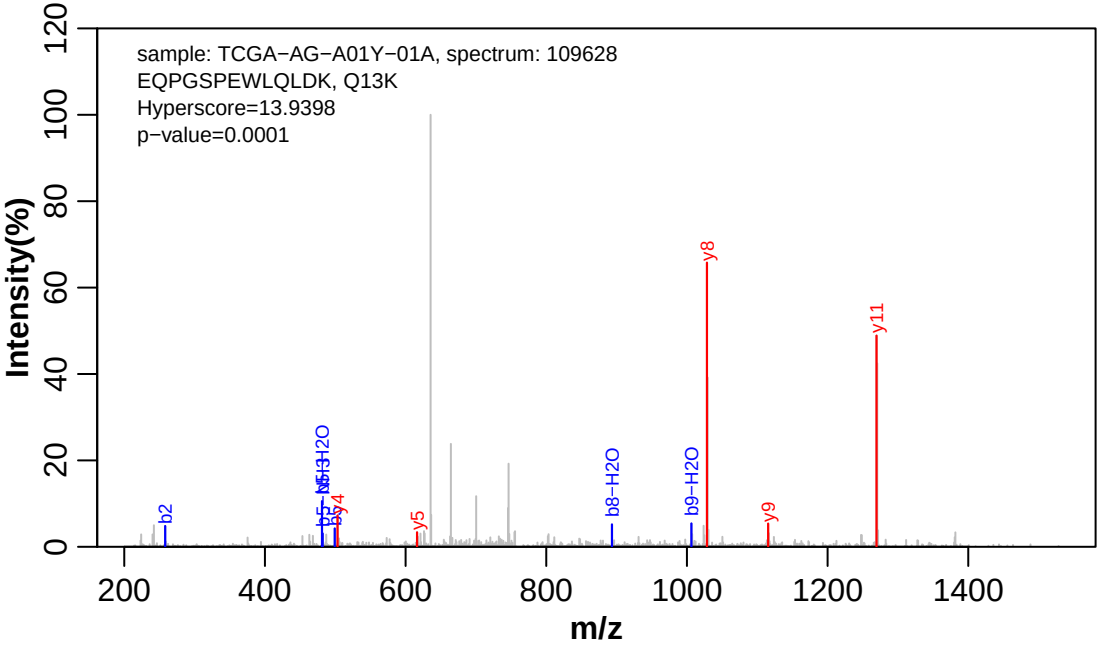

sample: TCGA−AG−A01Y−01A, spectrum: 51489
AVEVATVVLQPTVLR, S12T
Hyperscore=34.0526
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b6−H2O
b6
y5
b7−NH3
b7
b7−H2O
y6−NH3
y6
b8−NH3
b8
b8−H2O
y7
b9−NH3
b9−H2O
b9
b10−H2O
b10
y8
y9
y10
y11
b13

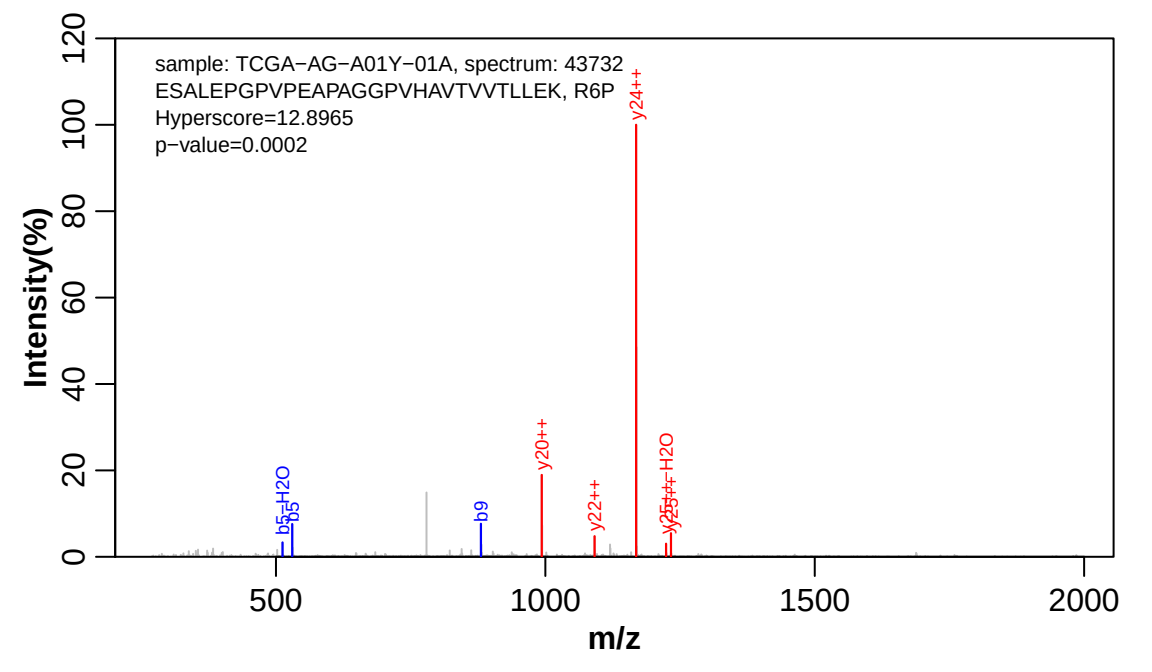

sample: TCGA−AG−A01Y−01A, spectrum: 83864
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=54.8282
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y2
y3
y4
y5++−H2O
y11++−NH3
y12++−H2O
y6
b13++−H2O
b13++
y7
b18++
y8++−H2O
b18++−H2O
b21++−H2O
b21++
y11−NH3
y11
b22++
b11
y12
b12
b13

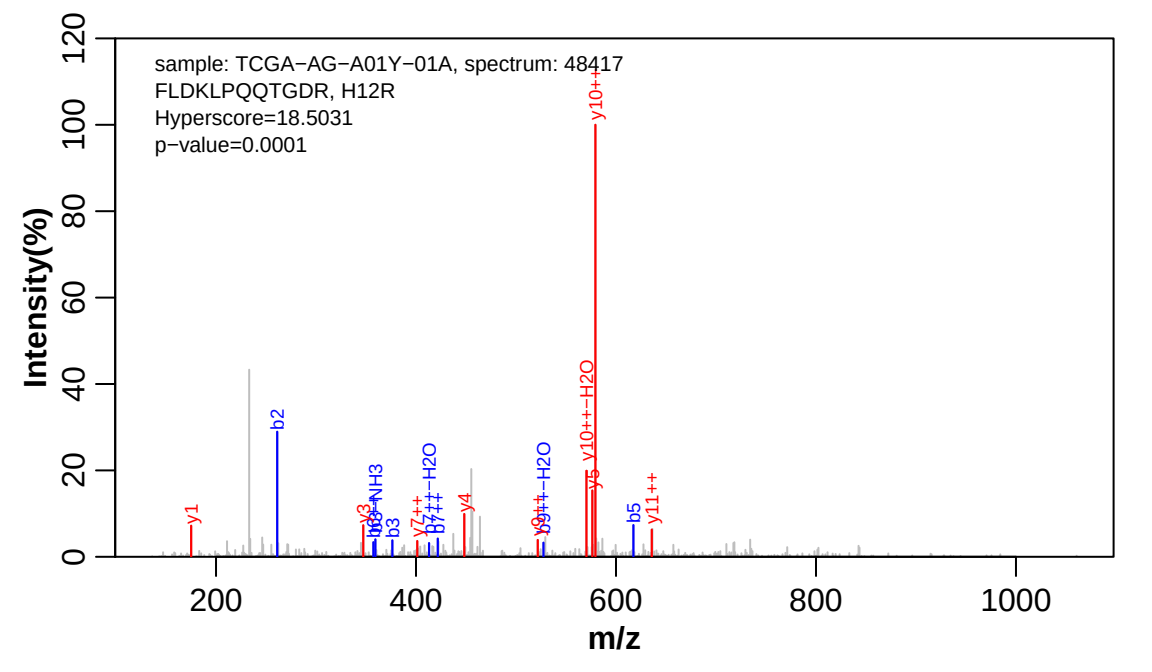

sample: TCGA−AG−A01Y−01A, spectrum: 7396
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=21.1112
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
y4
b4
y5
b5
y6−H2O
y6
b6−H2O
b6
y7
b7
y8
b8
y9
b9
b10
y11
y11−NH3
y11−H2O
b11−NH3
b11−H2O
b11
y12−NH3
y12−H2O
y12
b12
y13−NH3
y13−H2O
b13
y14−NH3

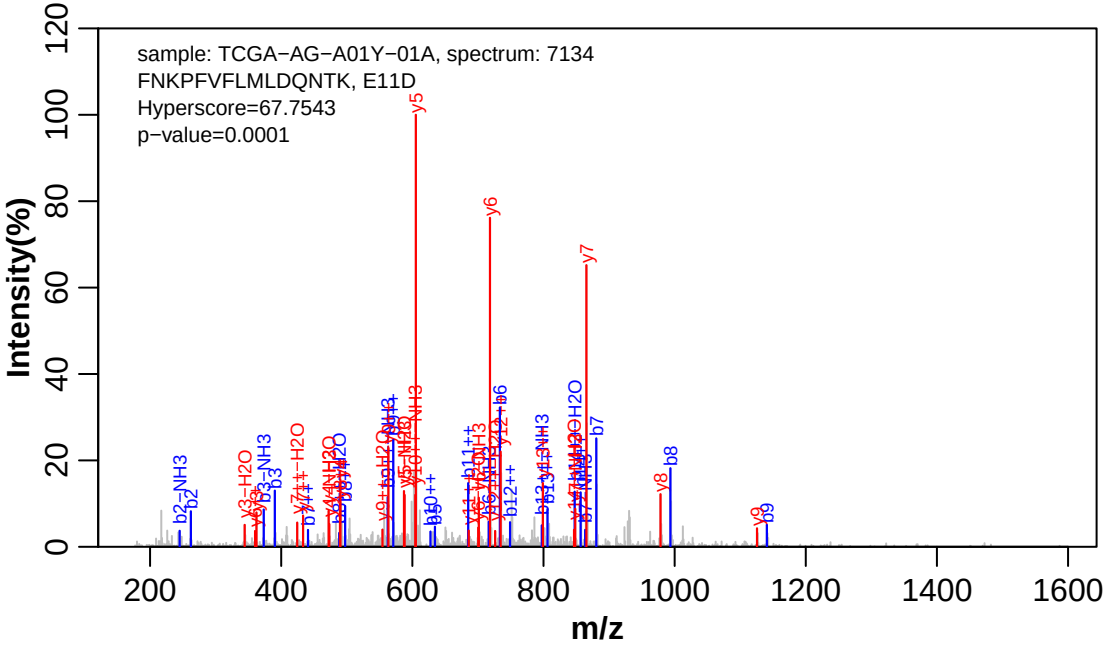

sample: TCGA−AG−A01Y−01A, spectrum: 66655
EHTLHLEAELEK, S4L
Hyperscore=29.6273
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
y3++−NH3
b2−H2O
b3−H2O
y3
y7++−H2O
y7++
y8++
b8++
y9++
y6
y6−H2O
y7
b10−H2O

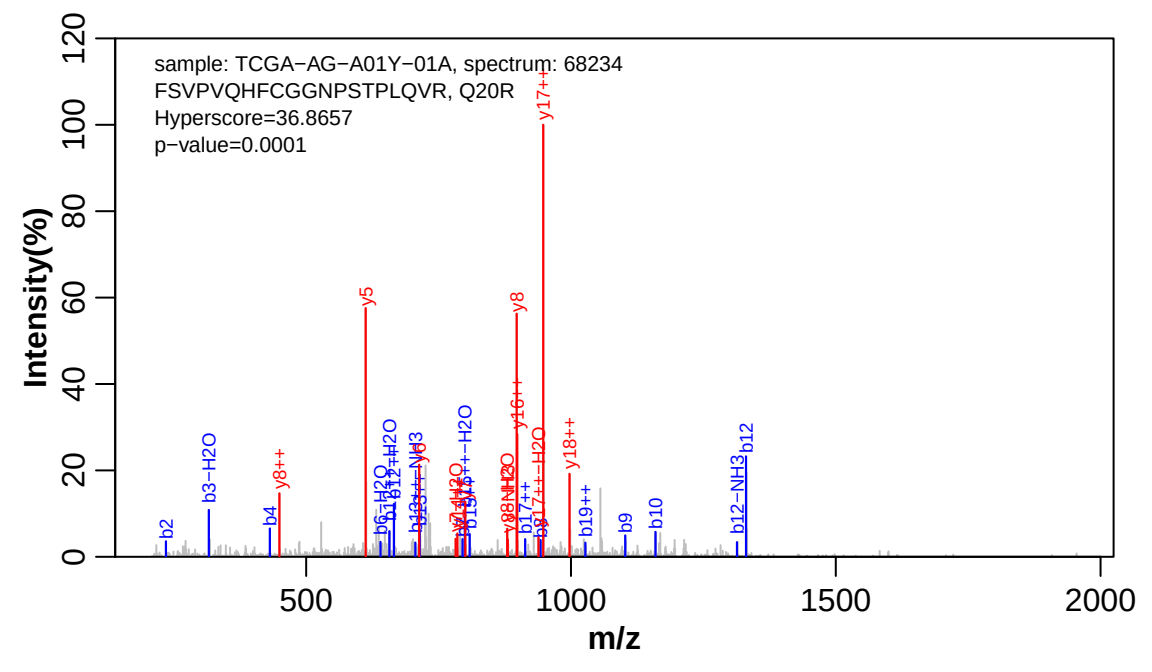

sample: TCGA−AG−A01Y−01A, spectrum: 48595
ELVDDSLNNVR, V7I
Hyperscore=37.4448
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5
b7−H2O
b7
y6
y7−NH3
y7
b8−NH3
b8
y8
y8−NH3
y8−H2O
b9−NH3
b9−H2O
b9
y9−NH3
y9
b10−NH3
b10−H2O
b10
y10−NH3
y10−H2O

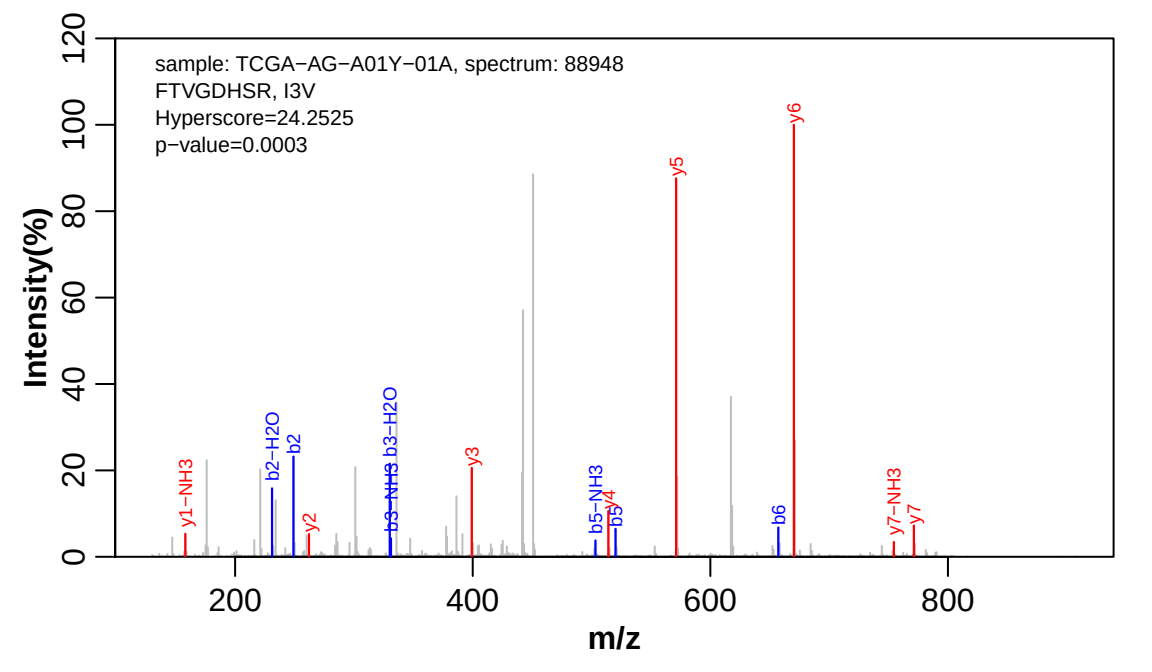

sample: TCGA−AG−A01Y−01A, spectrum: 109628
EQPGSPEWLQLDK, Q13K
Hyperscore=13.9398
p−value=0.0001
Intensity(%)
m/z
b2
y5
b8−H2O
b9−H2O
y8
y9
y11

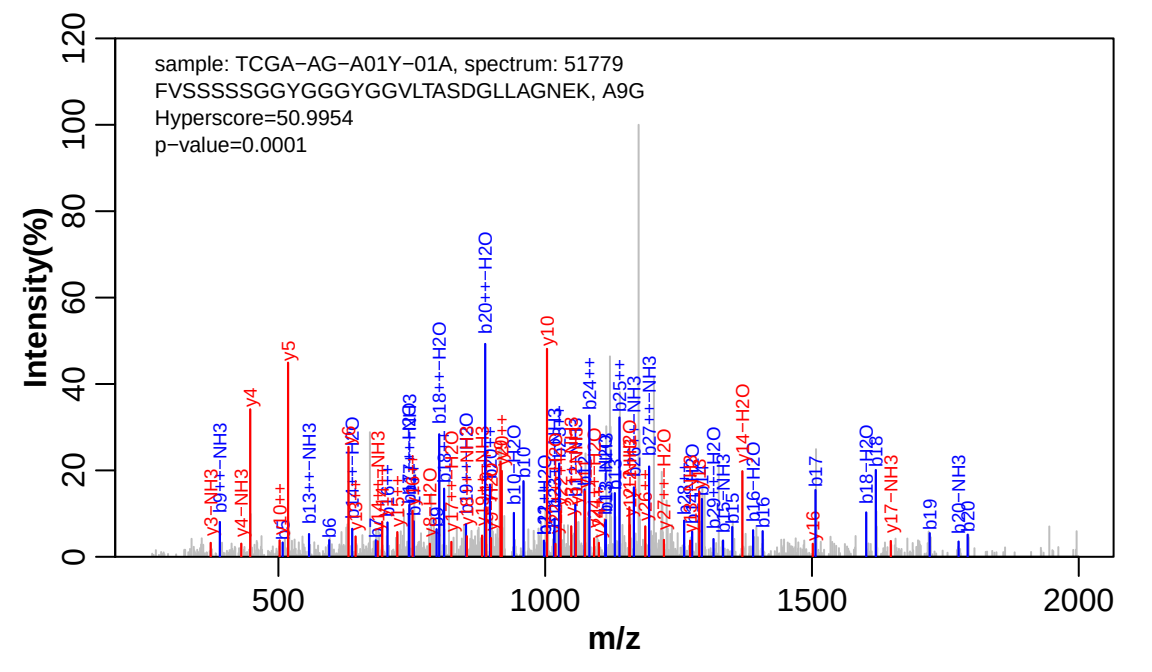

sample: TCGA−AG−A01Y−01A, spectrum: 43732
ESALEPGPVPEAPAGGPVHAVTVVTLLEK, R6P
Hyperscore=12.8965
p−value=0.0002
Intensity(%)
m/z
y24++
y20++
y22++
b9
b5−H2O
b5
y25++−H2O
y23++
0
20
40
60
80
100
120
500
1000
1500
2000

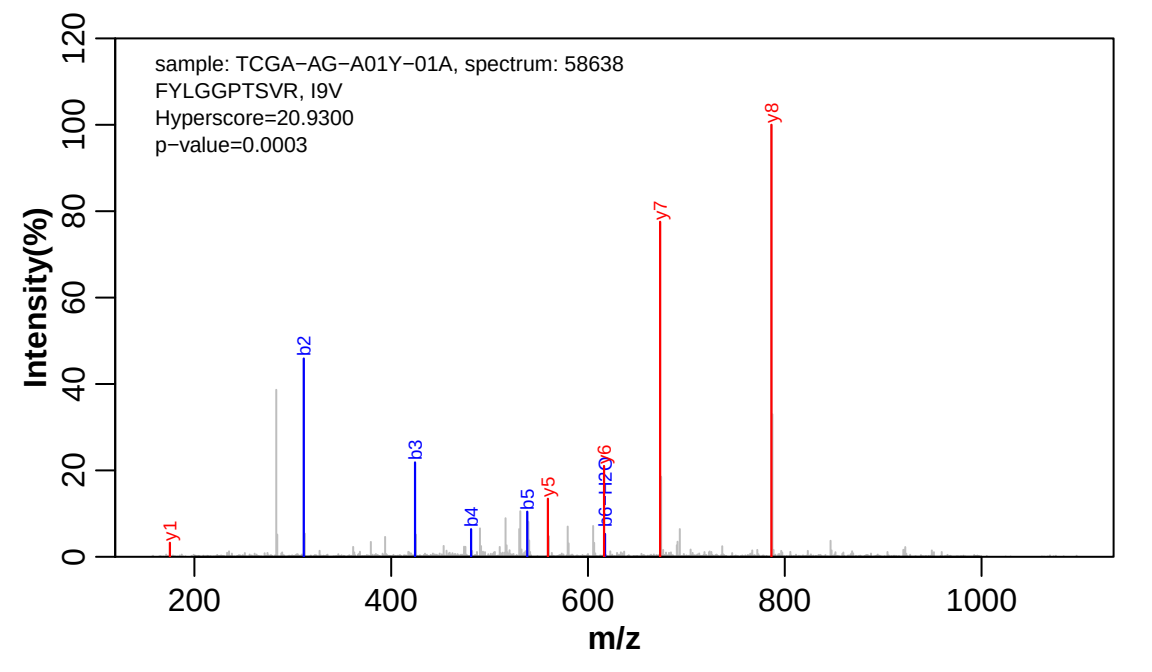

sample: TCGA−AG−A01Y−01A, spectrum: 48417
FLDKLPQQTGDR, H12R
Hyperscore=18.5031
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y1
b2
y3
b6−NH3
b3
y7++
b7++−H2O
y4
y9++−H2O
y10++
y10++−H2O
y5
b5
y11++

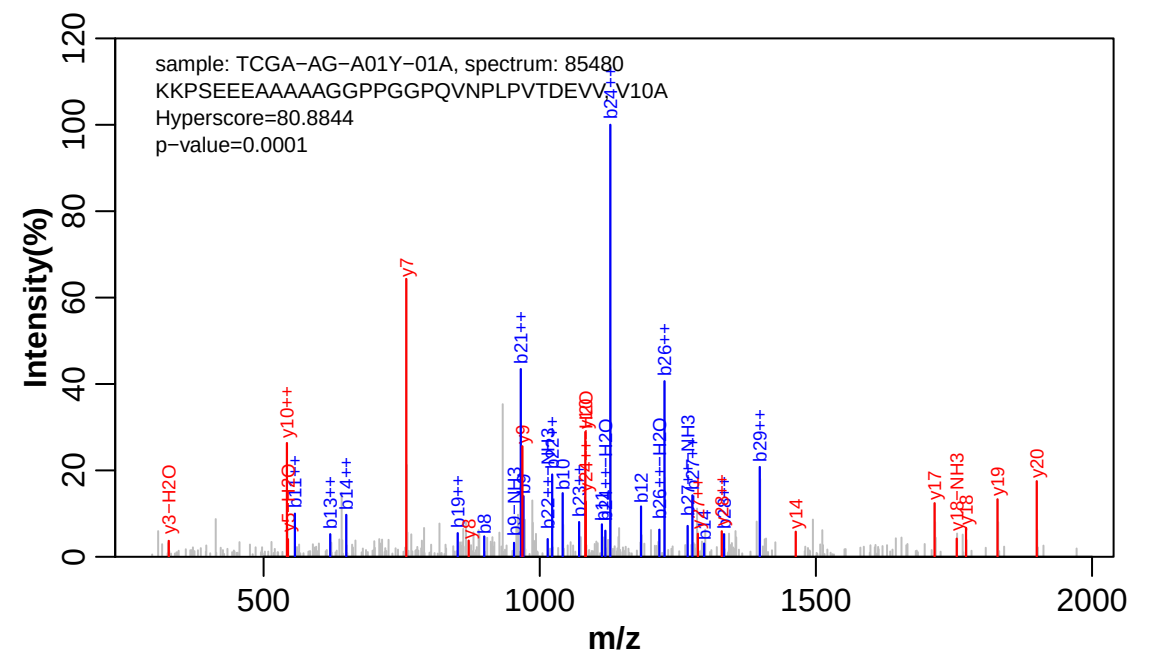

sample: TCGA−AG−A01Y−01A, spectrum: 7134
FNKPFVFLMLDQNTK, E11D
Hyperscore=67.7543
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
y8
y9
b2
b3
b6
b7
b8
b9

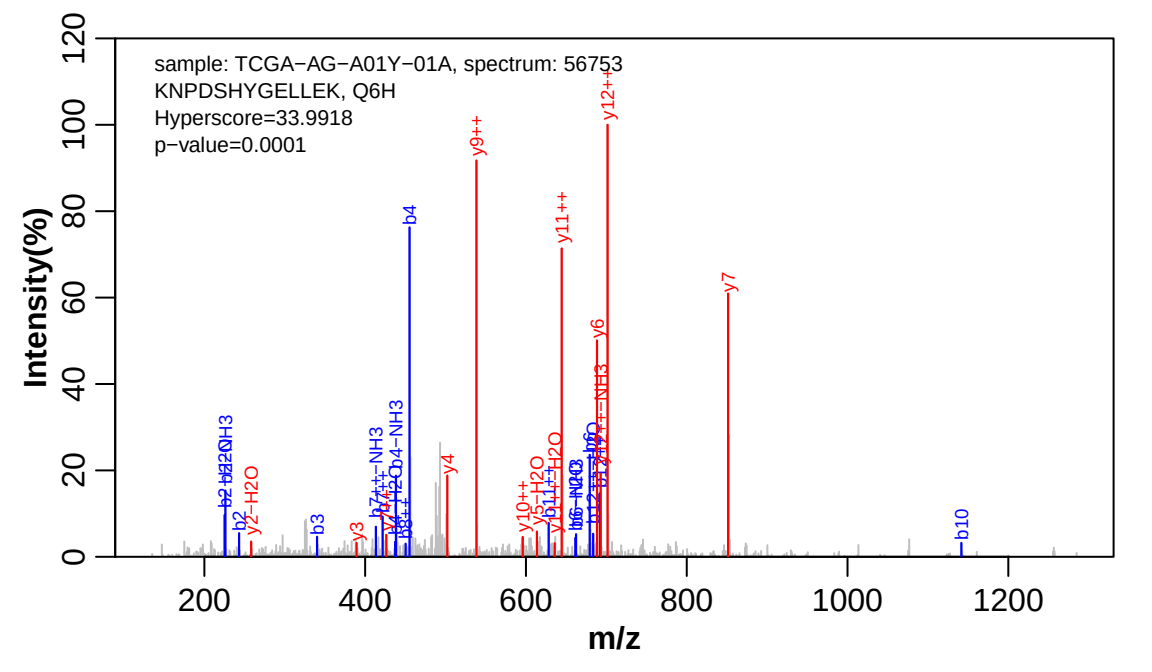

sample: TCGA−AG−A01Y−01A, spectrum: 68234
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=36.8657
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b2
b3−H2O
y8++
b4
y5
b6−H2O
b6−NH3
b12++H2O
b12++
b23++−NH3
b23++
y7++−H2O
b15++−H2O
y8
y16++
y8−NH3
y8−H2O
b17++
b17++−H2O
y18++
b19++
b9
b10
b12−NH3
b12
y17++

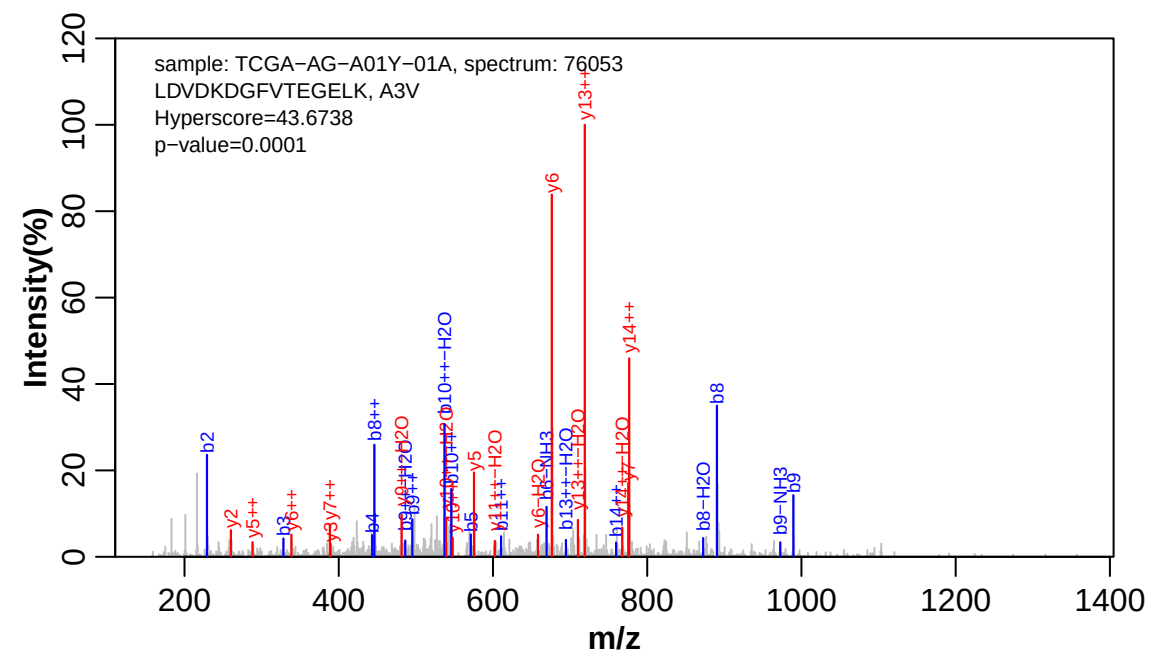

sample: TCGA−AG−A01Y−01A, spectrum: 88948
FTVGDHSR, I3V
Hyperscore=24.2525
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
b2−H2O
b2
y2
b3−NH3
b3−H2O
y3
b5−NH3
y4
b5
y5
b6
y6
y7−NH3
y7

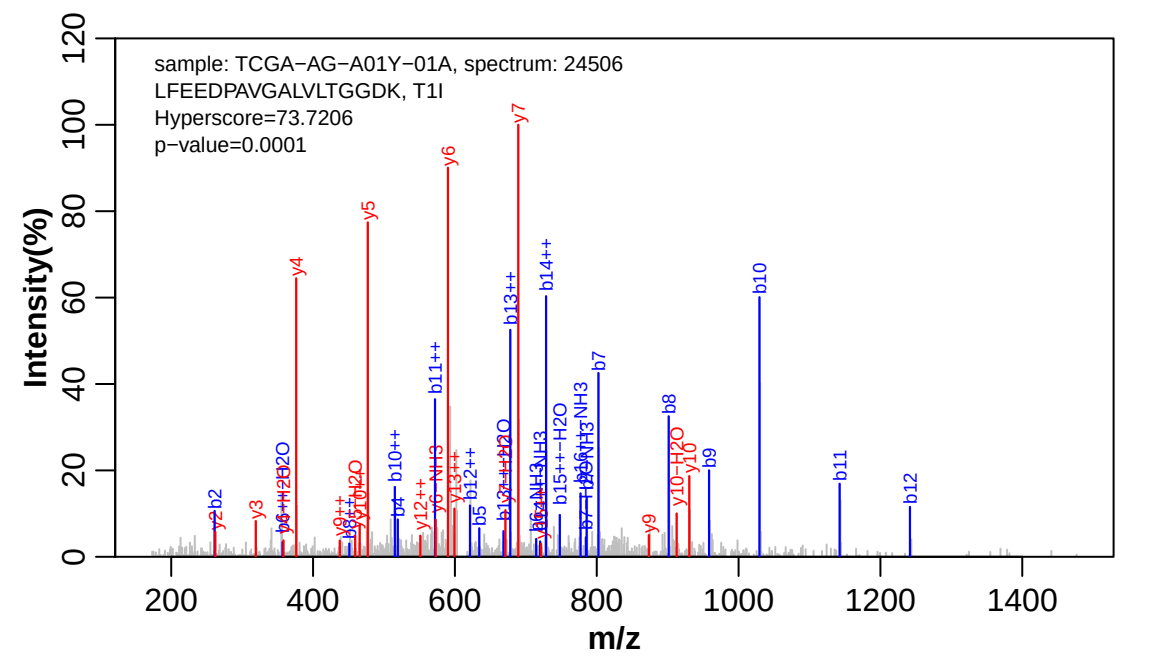

sample: TCGA−AG−A01Y−01A, spectrum: 51779
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=50.9954
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y5
y4
y10
b20++−H2O
b18++−H2O
b13++−NH3
b6
b10++
y3−NH3
y4−NH3
b9++
b10−H2O
b24++
b25++
y14−H2O
b27++−NH3
y27++−H2O
b16−H2O
b17
b18−H2O
b18
y17−NH3
b19
b20−NH3
b20

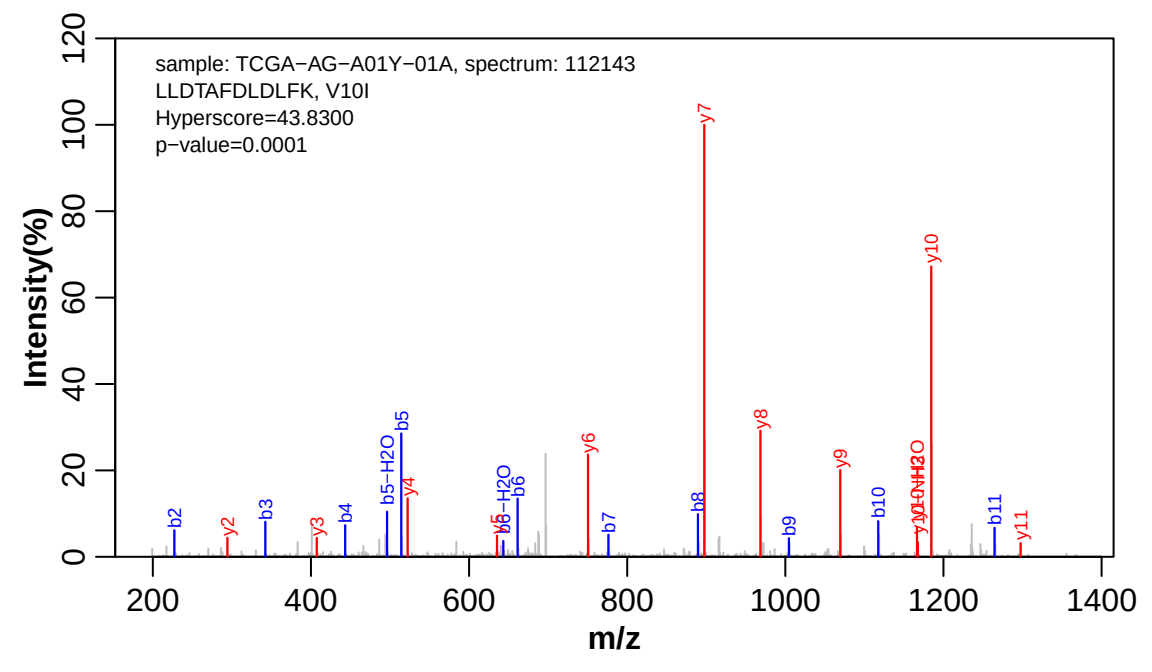

sample: TCGA−AG−A01Y−01A, spectrum: 58638
FYLGGPTSVR, I9V
Hyperscore=20.9300
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y1
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8

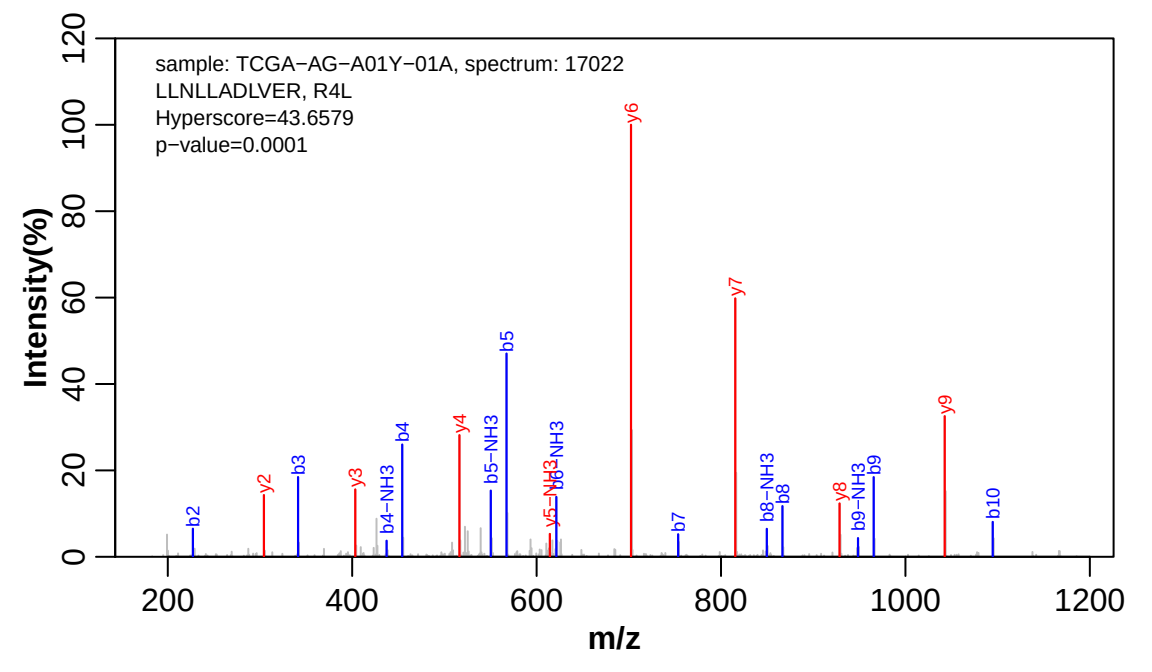

sample: TCGA−AG−A01Y−01A, spectrum: 85480
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=80.8844
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y3−H2O
y5−H2O
y10++
b11++
b13++
b14++
y7
b19++
y8
b8
b9−NH3
b9
y9
b21++
b22++−NH3
b10
b23++
y24++−H2O
b11++−H2O
b12
b26++−H2O
b26++
b27++−NH3
b14
b28++
b29++
y14
y17
y18−NH3
y18
y19
y20
b21++

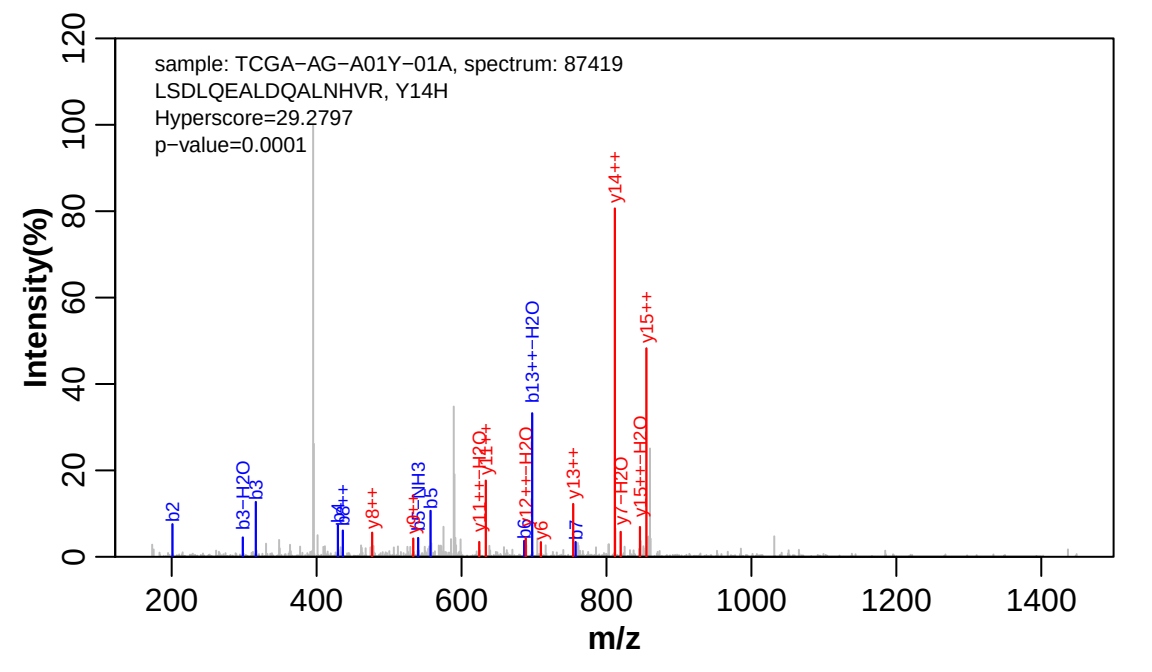

sample: TCGA−AG−A01Y−01A, spectrum: 56753
KNPDSHYGELLEK, Q6H
Hyperscore=33.9918
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y12++
y9++
y11++
y7
b4
y6
y4
y10++
y5−H2O
y11++−H2O
b10
b3
y3
y2−H2O
b2
b2−NH3
b4−NH3
y6−NH3

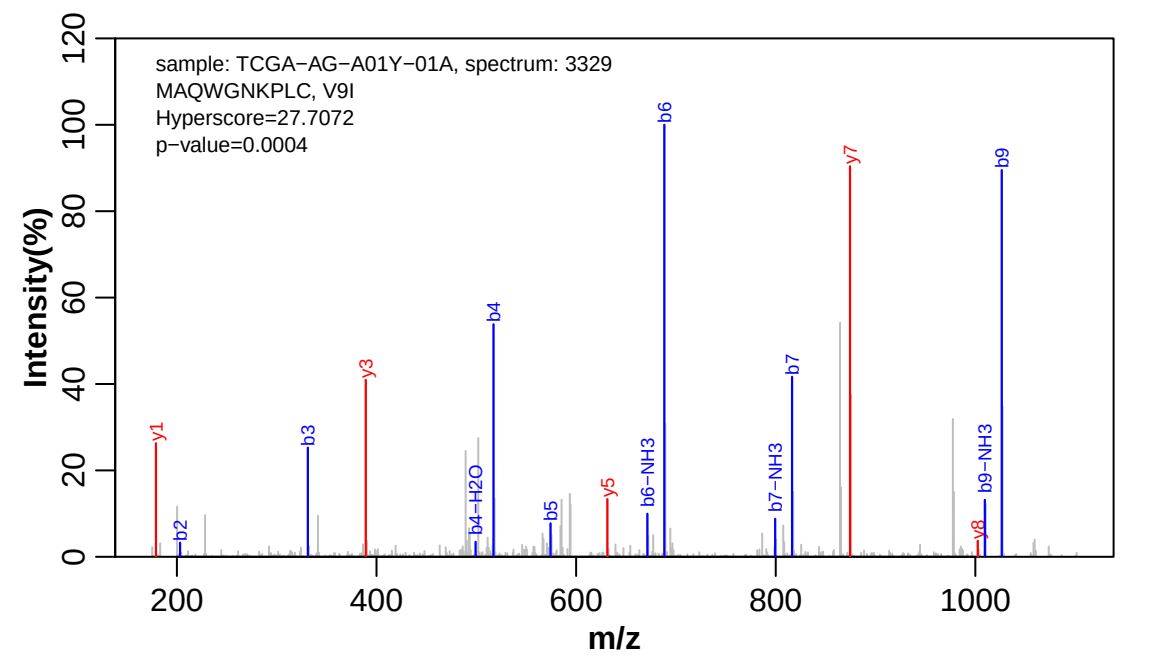

sample: TCGA-AG-A01Y-01A, spectrum: 76053
LDVDKDGFVTEGELK, A3V
Hyperscore=43.6738
p-value=0.0001
Intensity(%)
m/z
y13++
y6
y14++
b8
b2
b8++
y5
y2
y5++
b3
b6++
y3y7++
b4
b9++
b10++-H2O
y10++-H2O
b5
y11++-H2O
y6-H2O
b6-NH3
b13++-H2O
y13++-H2O
b14++
y7++-H2O
b8-H2O
b9-NH3
b9

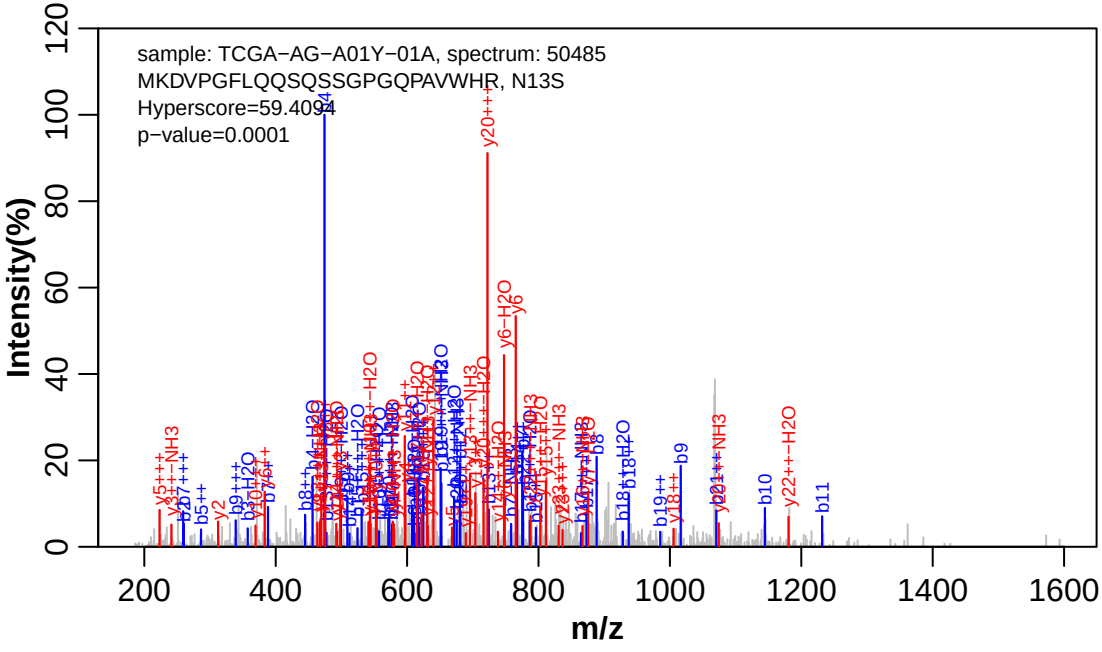

sample: TCGA−AG−A01Y−01A, spectrum: 24506
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=73.7206
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y7
y6
y5
y4
y3
b2
b10
b11
b12
b14++
b13++
b7
b8
b9
y10
y9
b5
b4
y12++
y13++
b11++
b10++
b12++
y10−H2O
b15++−H2O
b15++−NH3
b13++−H2O
b13++−NH3
y6−NH3
y6−H2O
y8++
y10++
b8++
b7−H2O−NH3
b7−NH3
y6++
y5++
y4++

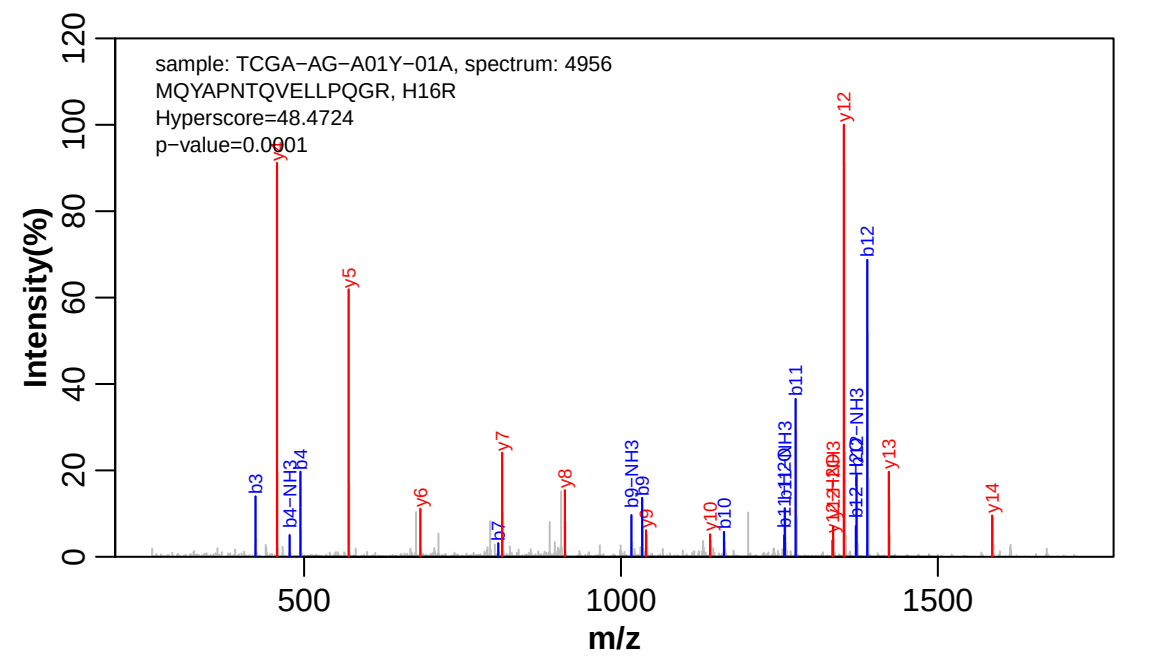

sample: TCGA−AG−A01Y−01A, spectrum: 112143
LLDTAFDLDLFK, V10I
Hyperscore=43.8300
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
b5−H2O
b5
y4
b6−H2O
b6
y6
b7
b8
y7
y8
b9
y9
b10
y10−NH2
y10−H2O
y10
b11
y11

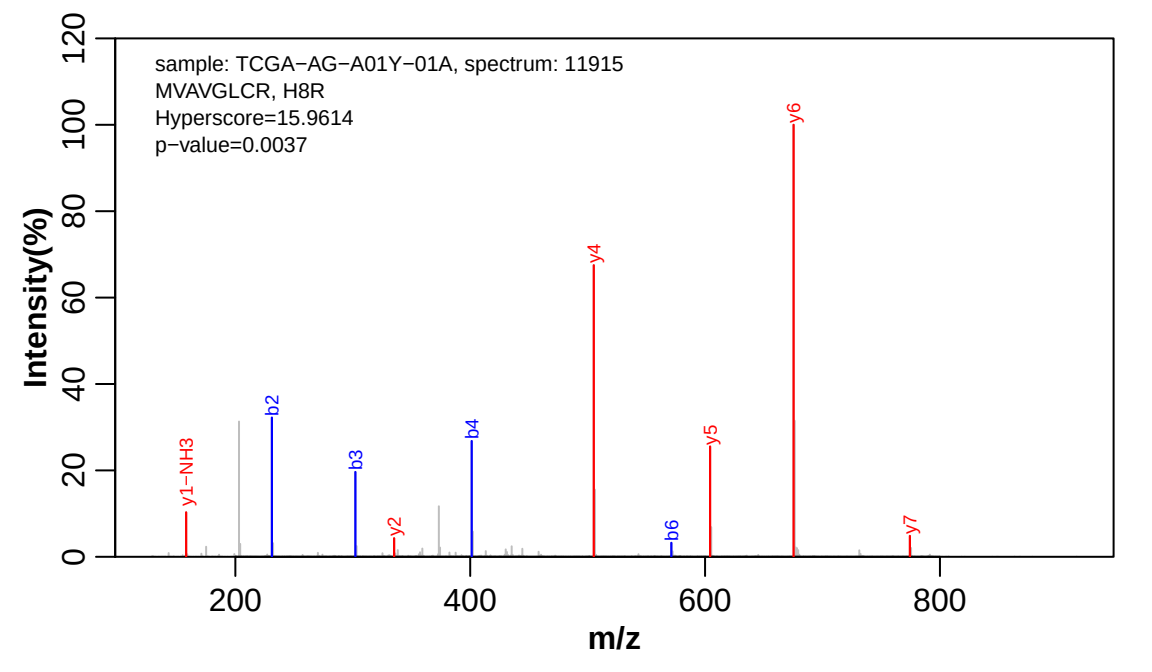

sample: TCGA−AG−A01Y−01A, spectrum: 17022
LLNLLADLVER, R4L
Hyperscore=43.6579
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

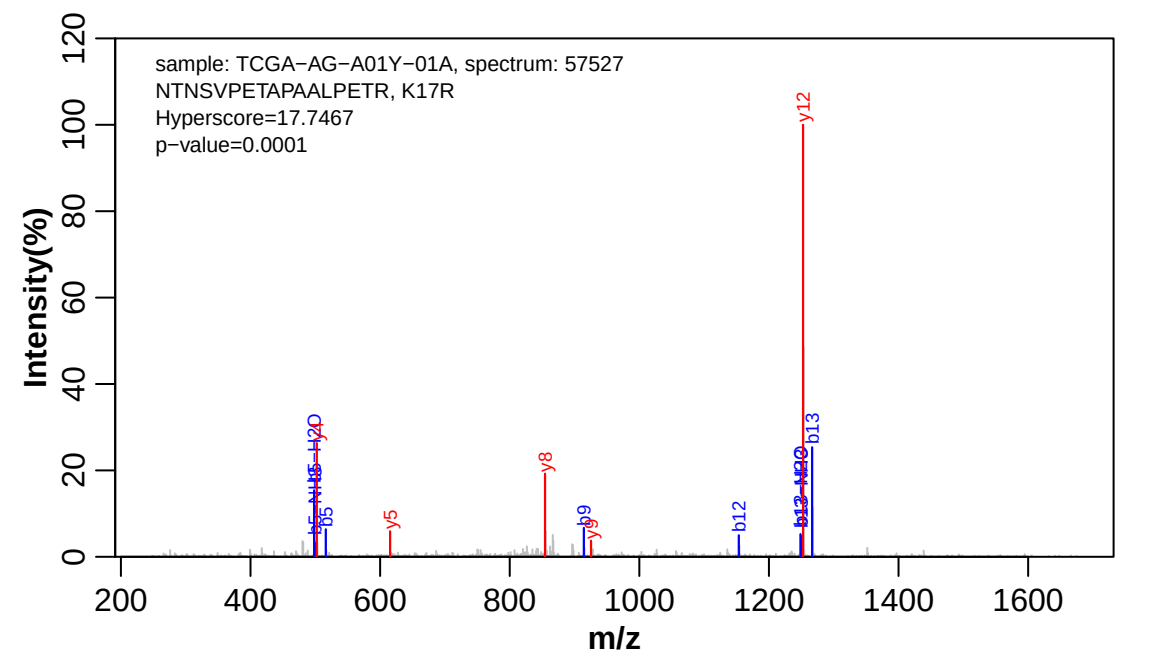

sample: TCGA−AG−A01Y−01A, spectrum: 87419
LSDLQEALDQALNHVR, Y14H
Hyperscore=29.2797
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
b3−H2O
b3
b4
b4++
y8++
y9−NH3
y9
b5
y11++−H2O
y11++
y12++
b12++−H2O
b13++−H2O
y6
b7
y13++
y14++
y7−H2O
y15++−H2O
y15++

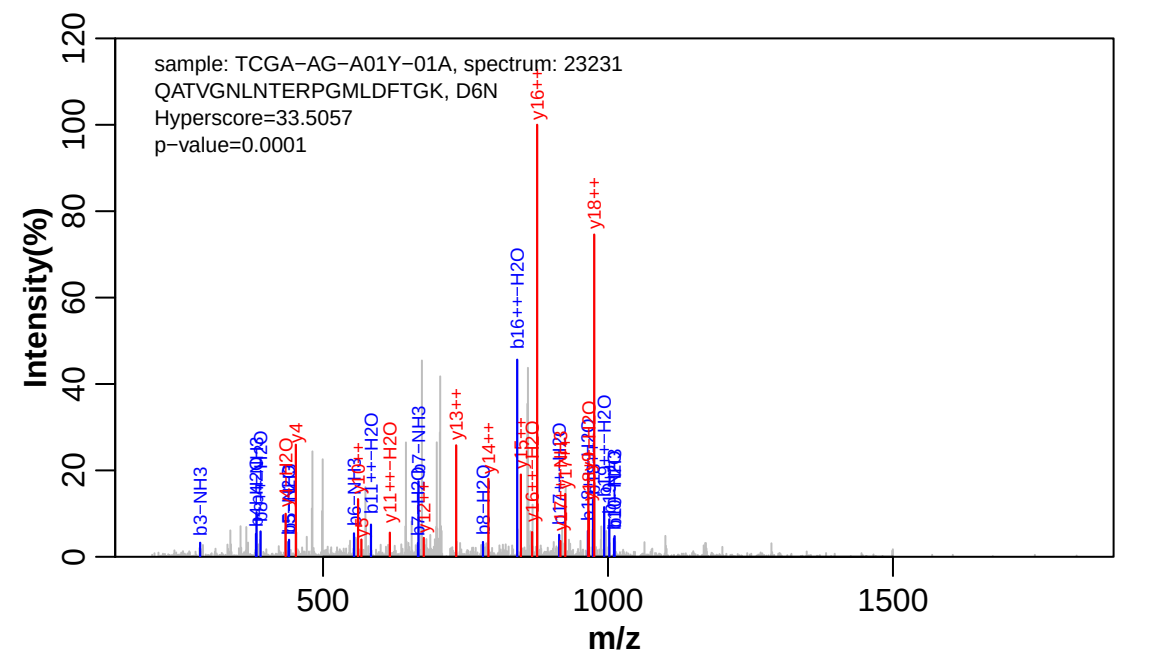

sample: TCGA−AG−A01Y−01A, spectrum: 3329
MAQWGNKPLC, V9I
Hyperscore=27.7072
p−value=0.0004
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y1
b2
b3
y3
b4
b4−H2O
b5
y5
b6
b6−NH3
b7
b7−NH3
y7
y8
b9
b9−NH3

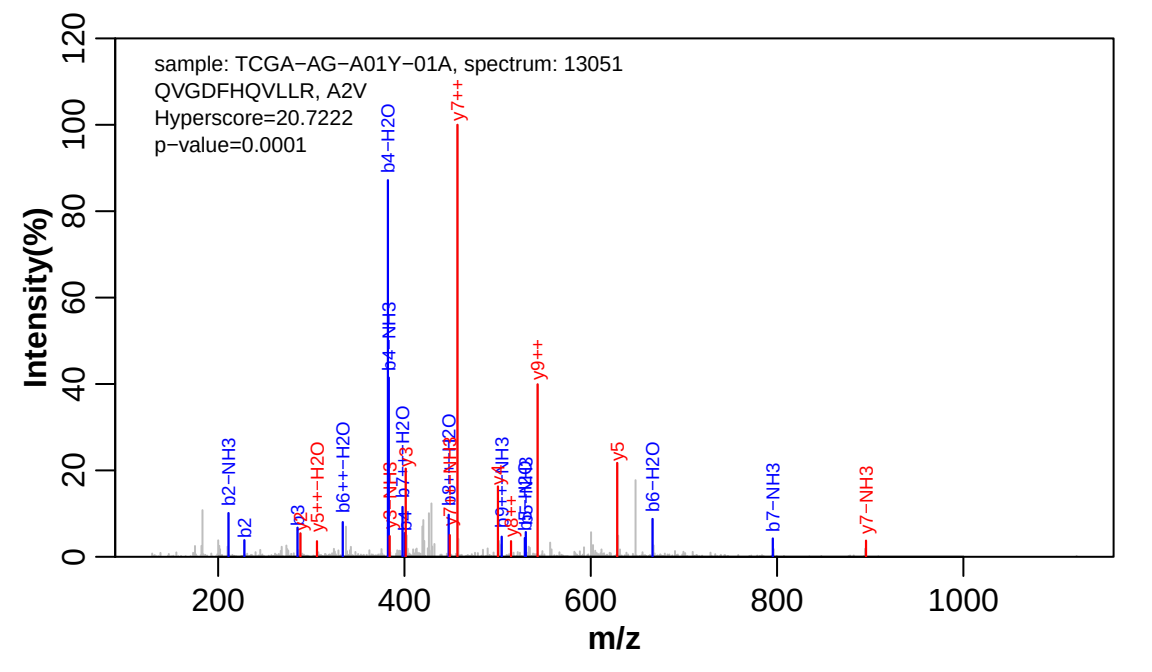

sample: TCGA−AG−A01Y−01A, spectrum: 50485
MKDVPGFLQQSQSSGPGQPAVWHR, N13S
Hyperscore=59.4094
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

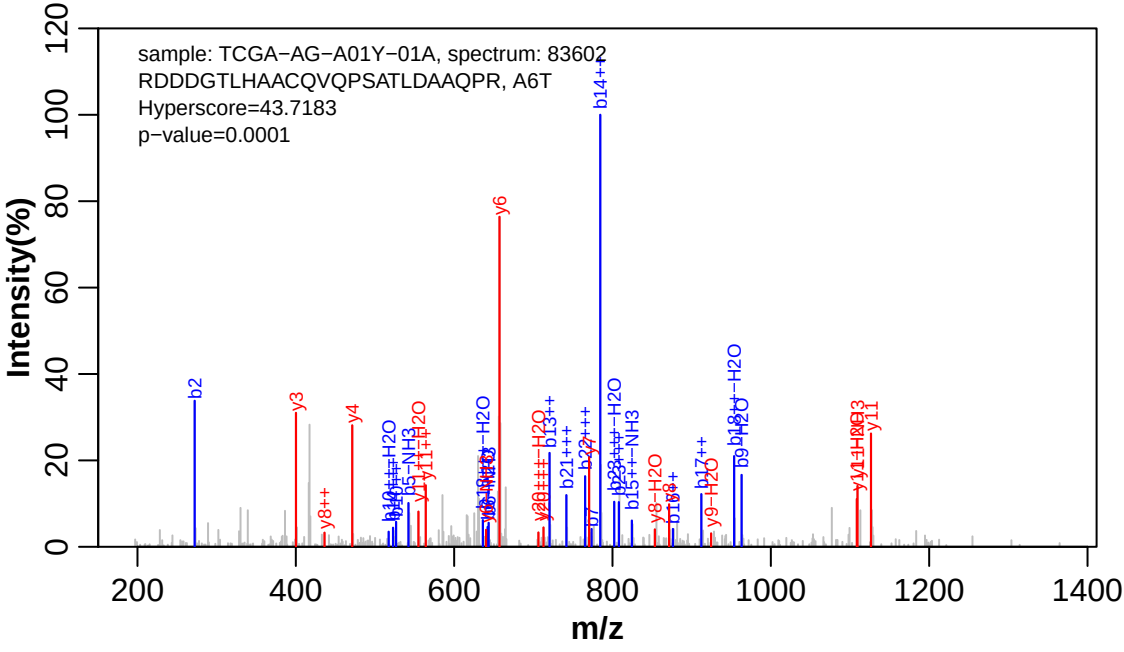

sample: TCGA−AG−A01Y−01A, spectrum: 4956
MQYAPNTQVELLPQGR, H16R
Hyperscore=48.4724
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b3
b4−NH3
b4
y5
y6
y7
b7
y8
b9−NH3
b9
y9
y10
b10
b11
y12
b12
y13
y14

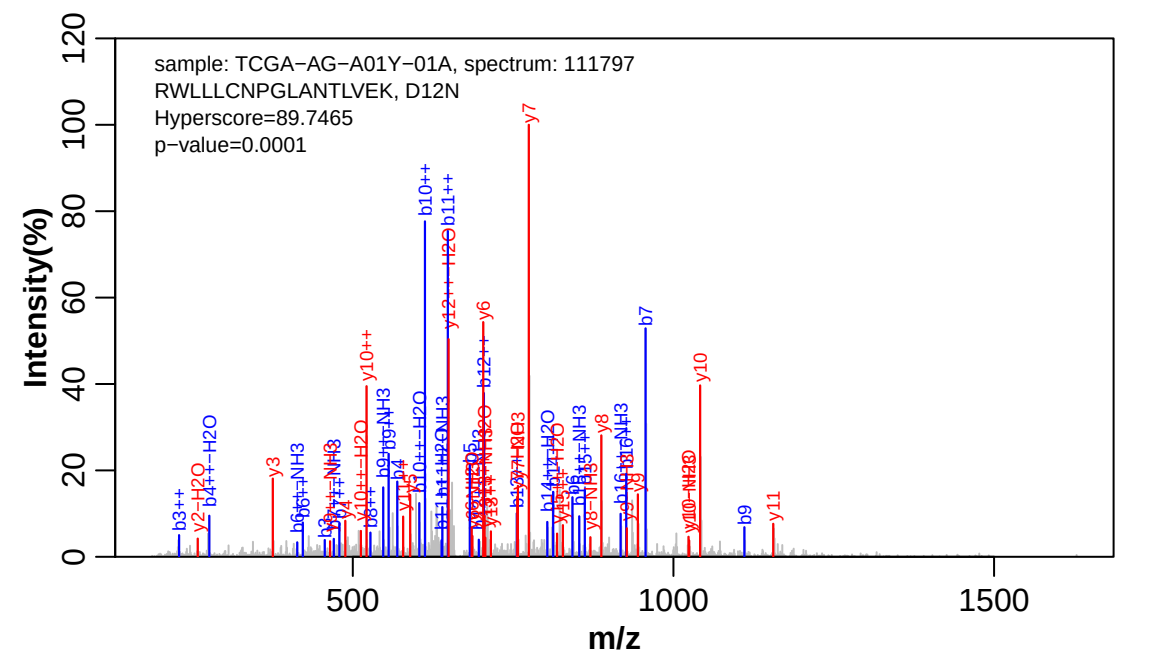

sample: TCGA−AG−A01Y−01A, spectrum: 11915
MVAVGLCR, H8R
Hyperscore=15.9614
p−value=0.0037
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
b2
b3
y2
b4
y4
b6
y5
y6
y7

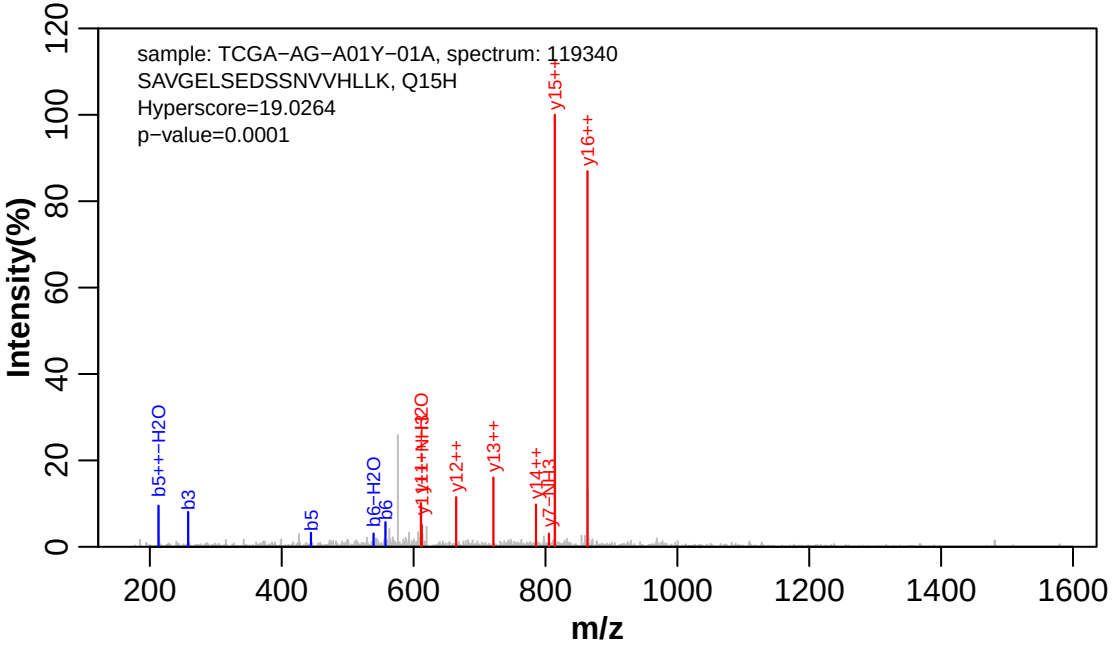

sample: TCGA−AG−A01Y−01A, spectrum: 57527
NTNSVPETAPAALPETR, K17R
Hyperscore=17.7467
p−value=0.0001
Intensity(%)
m/z
y12
b13
y8
y5
b9
y9
b12
b5
y4
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

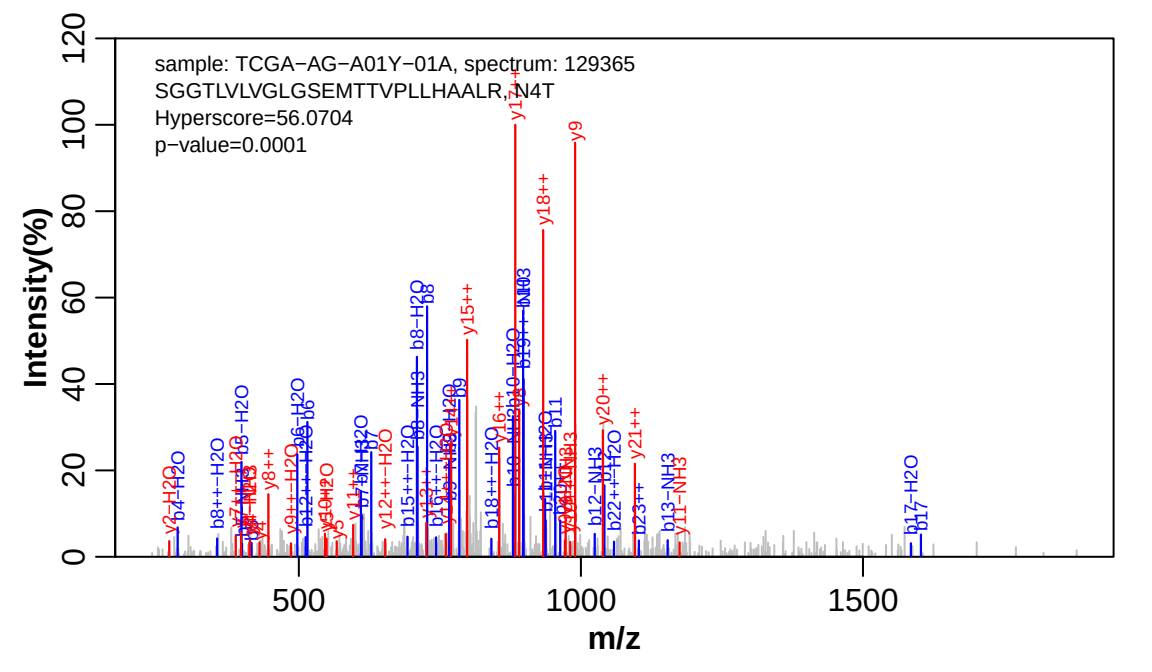

sample: TCGA−AG−A01Y−01A, spectrum: 23231
QATVGNLNTERPGMLDFTGK, D6N
Hyperscore=33.5057
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3−NH3
y4
b5−NH3
b5−H2O
b6−NH3
y6++
b11++−H2O
y11++−H2O
b7−H2O
b7−NH3
y12++−NH3
y13++
b8−H2O
y14++
y15
y16++−H2O
b16++−H2O
y16++
y17++−NH3
y17++−H2O
b17++−H2O
b18++−H2O
y18++
b19++−H2O
b19++−NH3

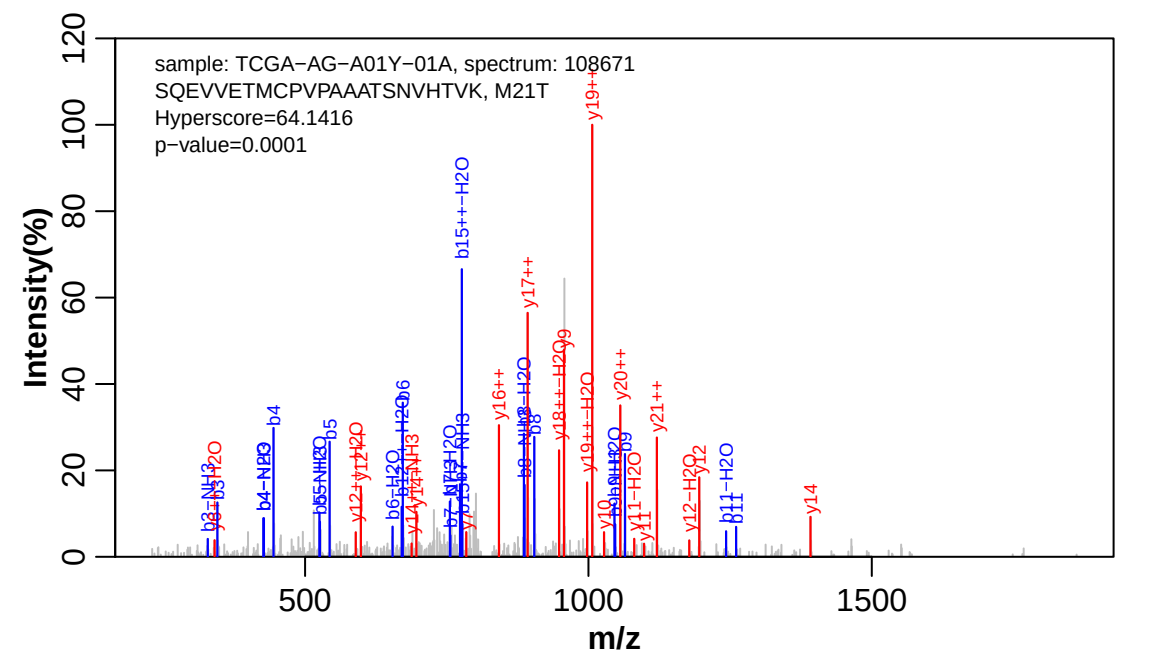

sample: TCGA−AG−A01Y−01A, spectrum: 13051
QVGDFHQVLLR, A2V
Hyperscore=20.7222
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2−NH3
b2
y3
y5++−H2O
b6++−H2O
b4−H2O
b4−NH3
y3−H2O
y7++
y9++
y5
b6−H2O
b7−NH3
y7−NH3

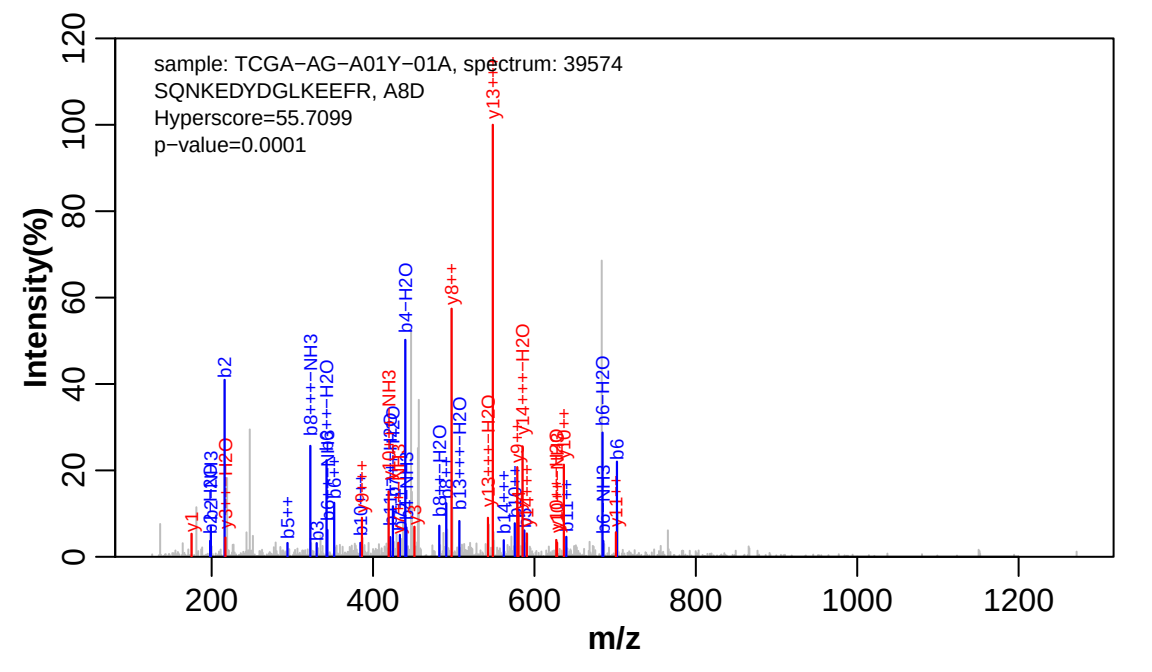

sample: TCGA−AG−A01Y−01A, spectrum: 83602
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=43.7183
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
y8++
y6
b14++
y11
b18++−H2O
y9−H2O
b17++
b15++−NH3
b21+++
b13++
b22+++
y8−H2O
b16++

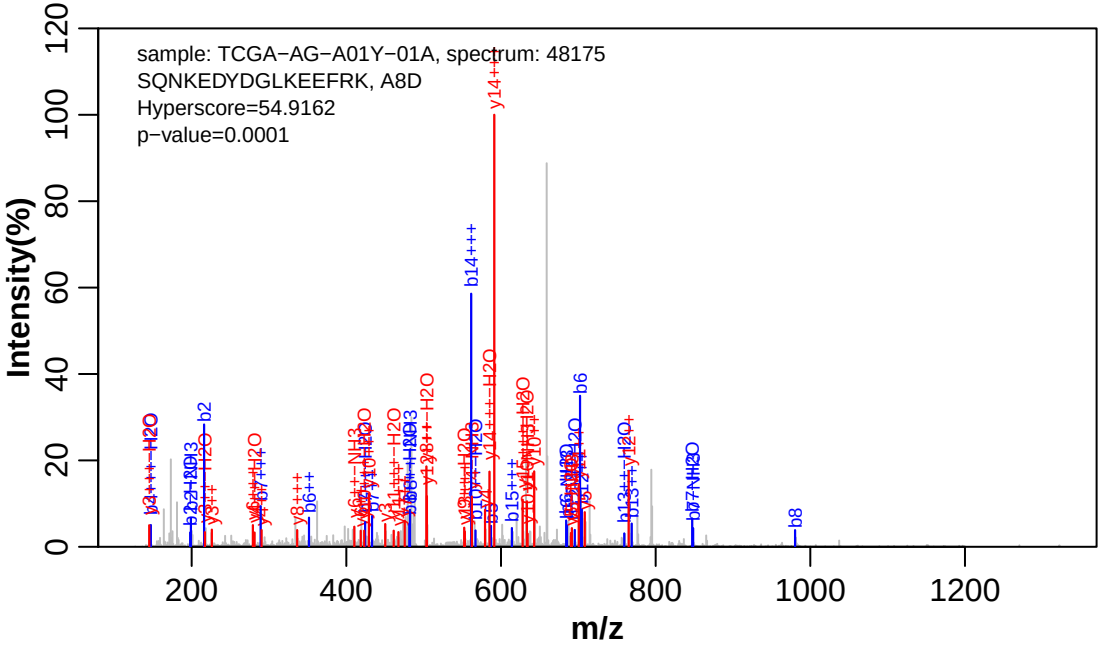

sample: TCGA−AG−A01Y−01A, spectrum: 111797
RWLLLCNPGLANTLVEK, D12N
Hyperscore=89.7465
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3++
y2−H2O
b4++−H2O
y3
b6+−NH3
y10++−H2O
b8++
y10++
b10++−H2O
b10++
b11++
y12++−H2O
y7
y6
b12++
b7
y8
y10
y11
b9

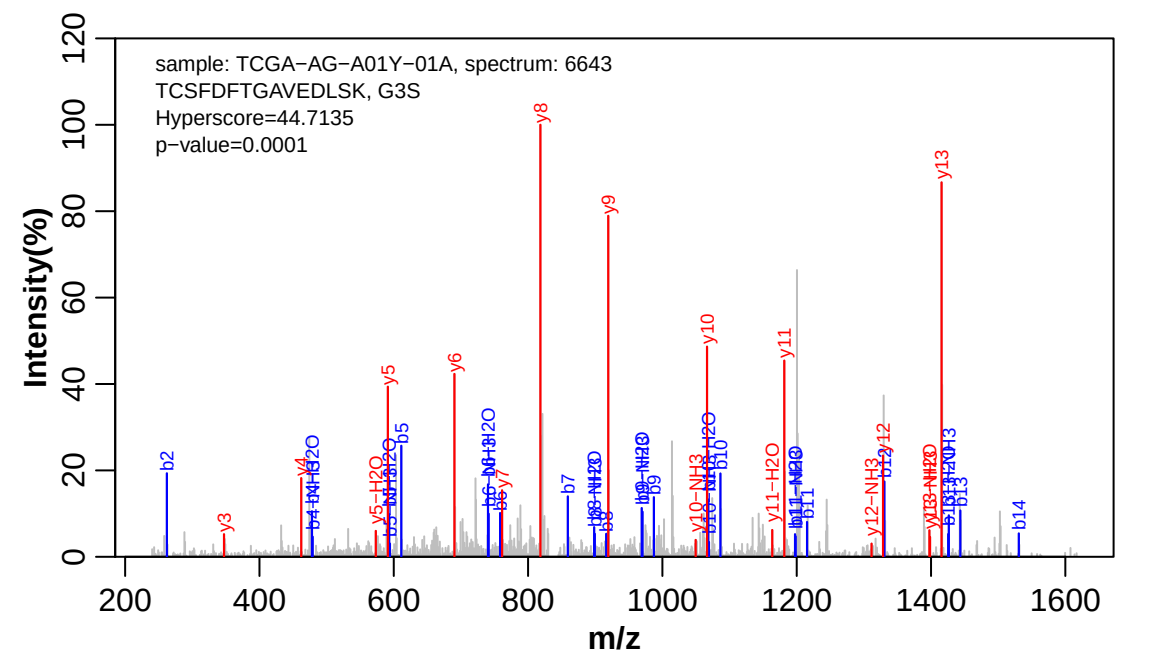

sample: TCGA−AG−A01Y−01A, spectrum: 119340
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=19.0264
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b5++−H2O
b3
b5
b6−H2O
b6
y11++NH3
y11++H2O
y12++
y13++
y14++
y7−NH3
y15++
y16++

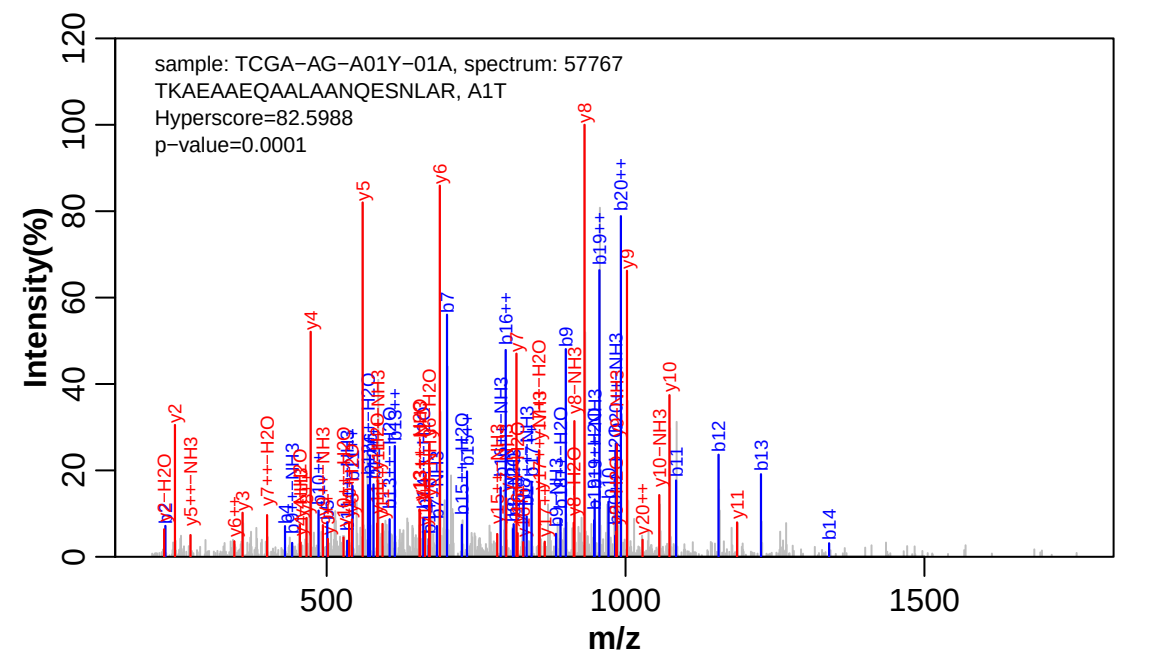

sample: TCGA−AG−A01Y−01A, spectrum: 129365
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=56.0704
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y17++
y9
y18++
y15++
b8−H2O
b8−NH3
y12++−H2O
b15++−H2O
b18++−H2O
b12−NH3
y20++
y21++
b13−NH3
y11−NH3
b17−H2O

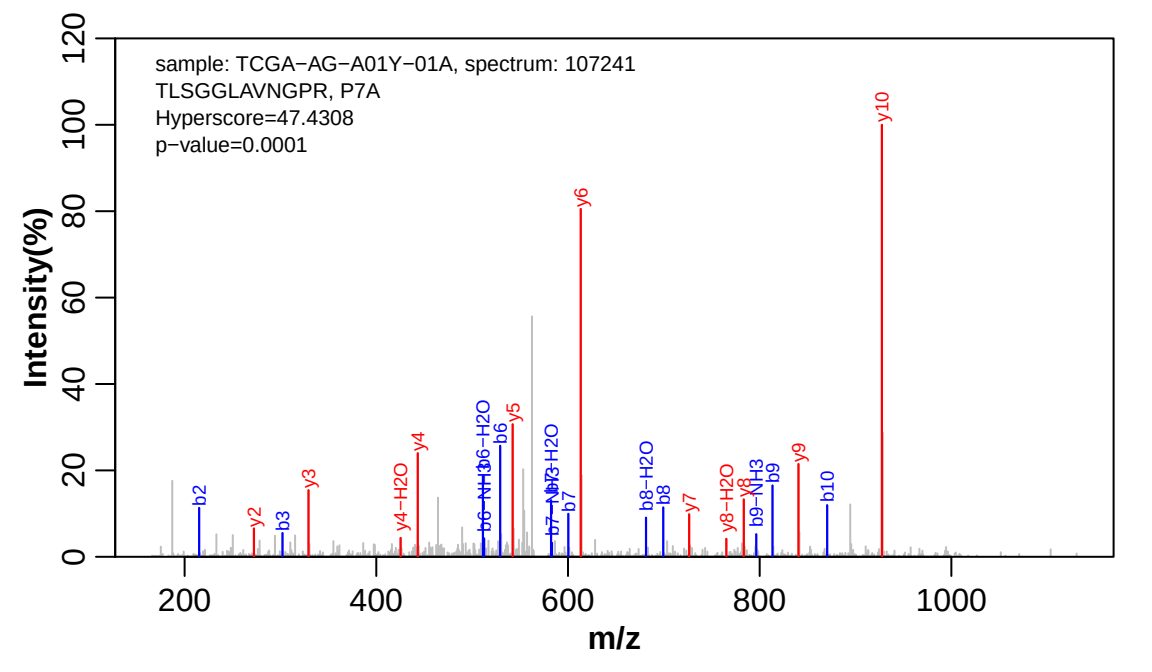

sample: TCGA−AG−A01Y−01A, spectrum: 108671
SQEVVETMCPVPAAATSNVHTVK, M21T
Hyperscore=64.1416
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y19++
b15++−H2O
y17++
y16++
y18++−H2O
y19++−H2O
y20++
y21++
y14
b4
b5
b6
b8
b11−H2O
y12−H2O
y11−H2O

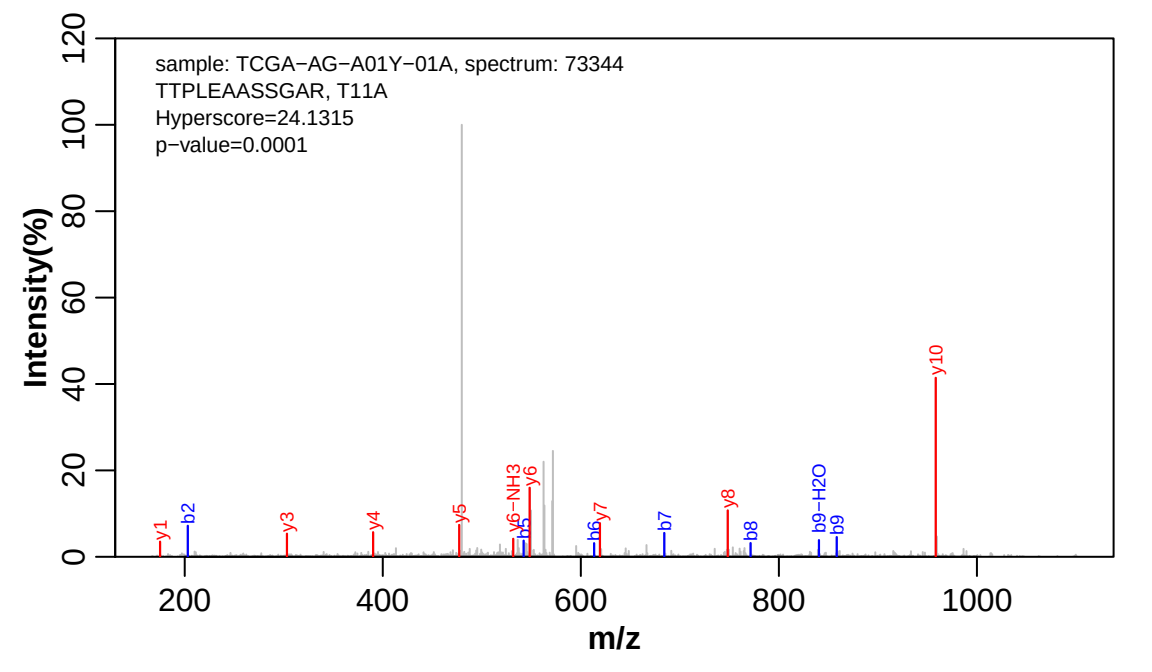

sample: TCGA−AG−A01Y−01A, spectrum: 39574
SQNKEDYDGLKEEFR, A8D
Hyperscore=55.7099
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y13++
y8++
b4−H2O
b2
b8+++−NH3
b8++−H2O
y14+++−H2O
b6−H2O
b6
b5++
b13+++−H2O
y13+++−H2O
b14+++
y1
y3++−H2O
b10++
y11++
b6−NH3

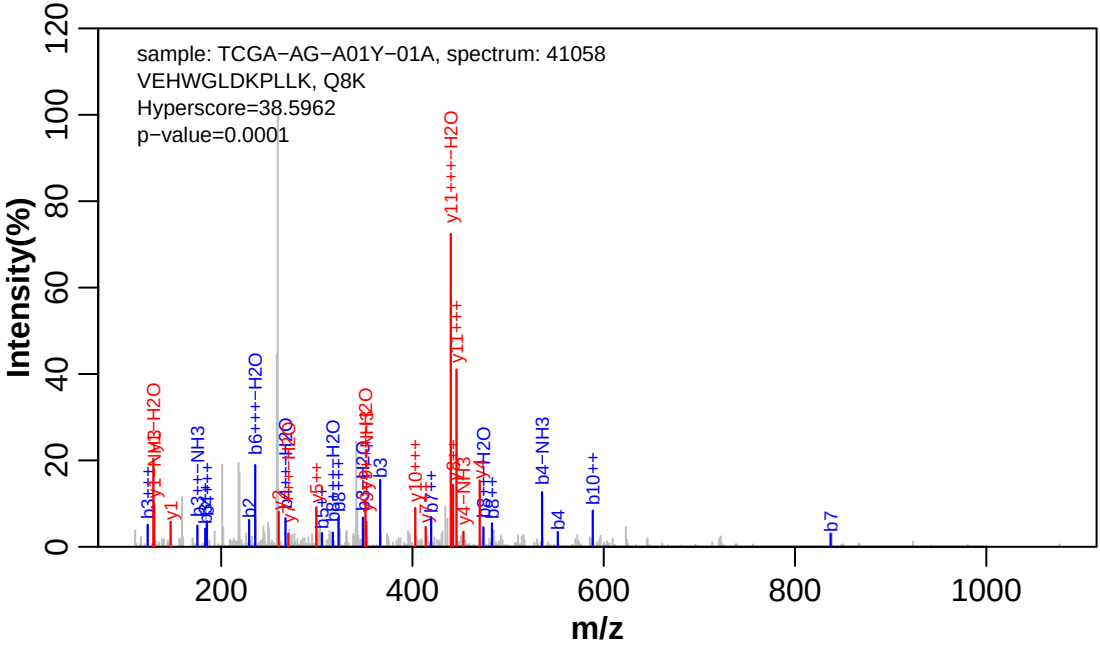

sample: TCGA−AG−A01Y−01A, spectrum: 48175
SQNKEDYDGLKEEFRK, A8D
Hyperscore=54.9162
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y14+++
b14+++
b6
b8
y14+++−H2O
y12++−H2O
b14++−H2O
b15+++
b13++−H2O
b7++−NH3
b2++−H2O
b2++
y3++
y8+++
b6++

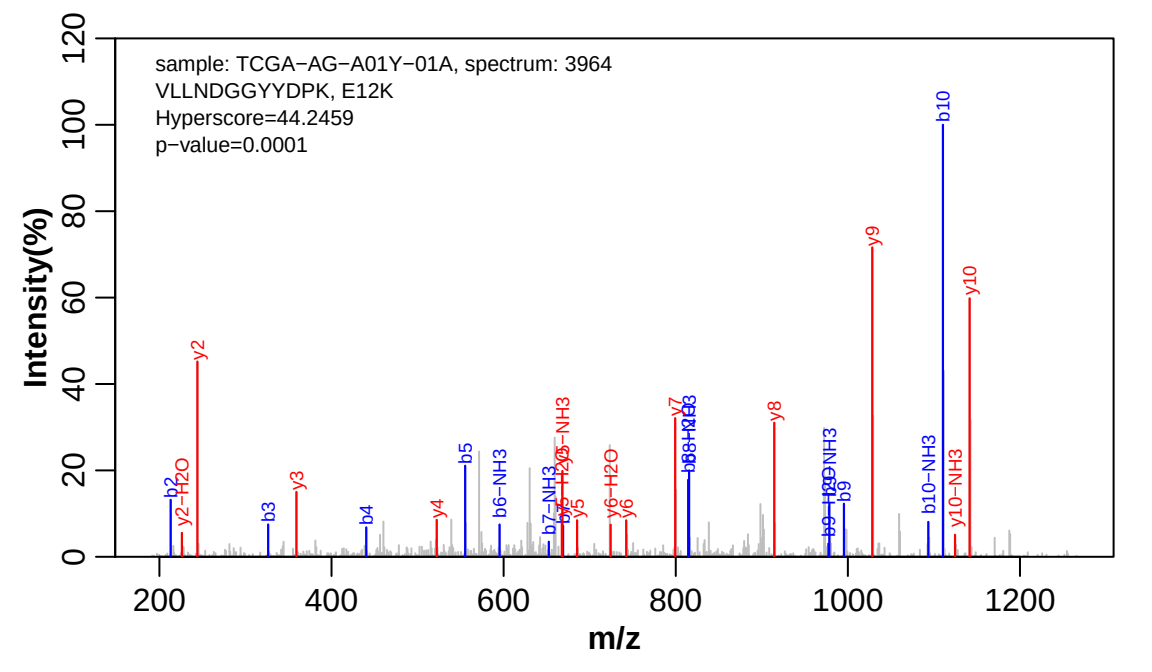

sample: TCGA−AG−A01Y−01A, spectrum: 6643
TCSFDFTGAVEDLSK, G3S
Hyperscore=44.7135
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
y3
y4
y5
y6
y8
y9
y10
y11
y13
b14

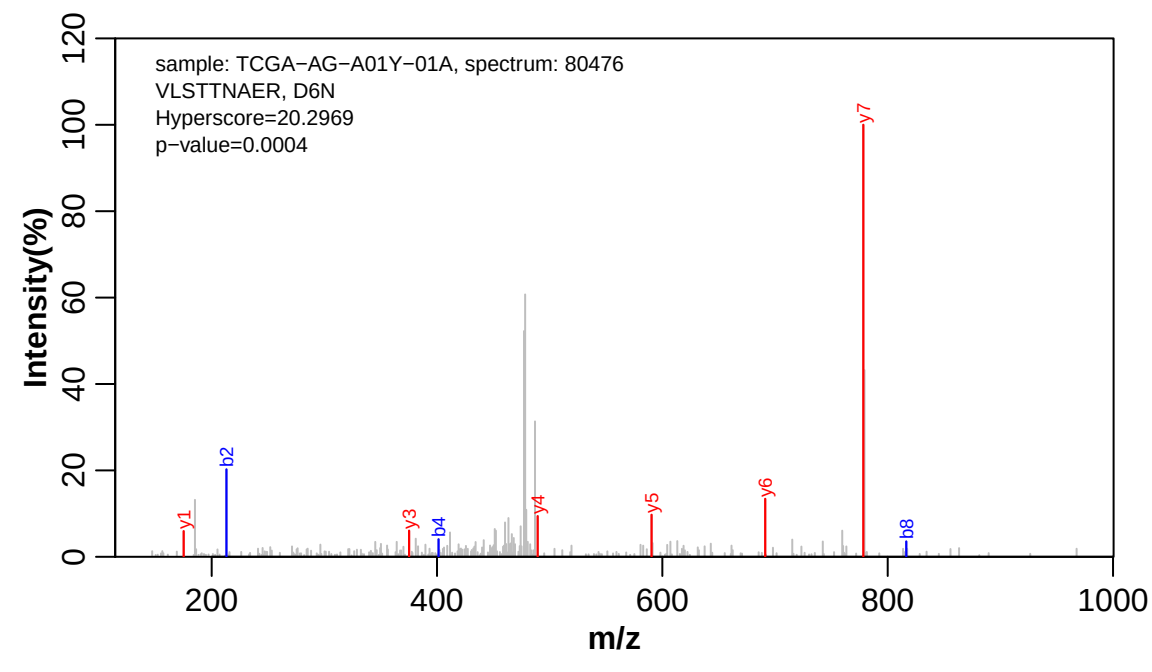

sample: TCGA−AG−A01Y−01A, spectrum: 57767
TKAEAAEQAALAANQESNLAR, A1T
Hyperscore=82.5988
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2−H2O
y2
y5++−NH3
y6++
y3
y7++−H2O
b4
y4
b7
y5
y6
b15++b12O
b16++
y7
y8
b9
y8−NH3
b19++
b20++
y9
y10
b12
b13
y11
y10−NH3
b11
y20++
b14

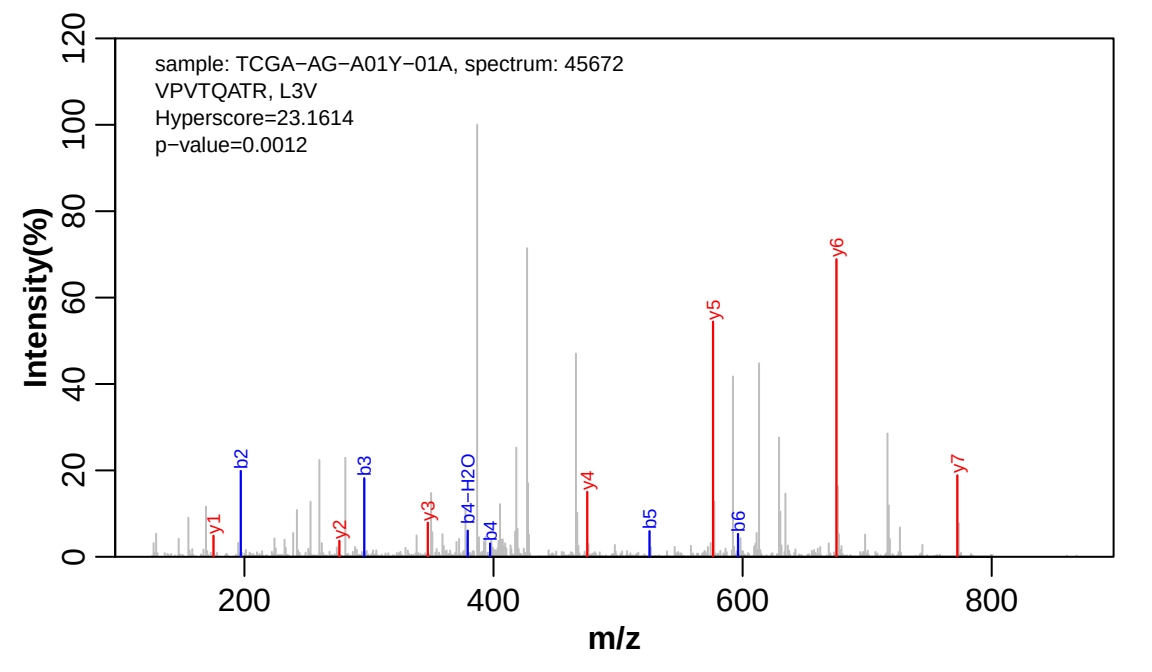

sample: TCGA−AG−A01Y−01A, spectrum: 107241
TLSGGLAVNGPR, P7A
Hyperscore=47.4308
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y10
y6
y5
y4
y4−H2O
y3
y2
b2
b3
b6−H2O
b6
b7−H2O
b7
b8−H2O
b8
y7
y8−H2O
y8
b9−NH3
b9
y9
b10

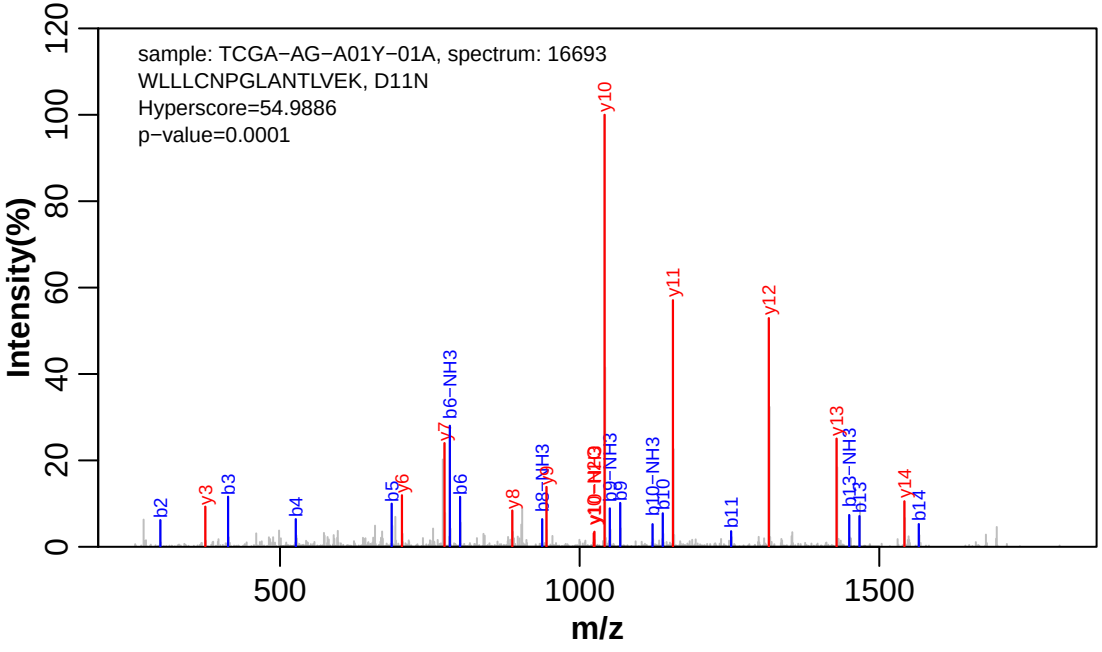

sample: TCGA−AG−A01Y−01A, spectrum: 73344
TTPLEAASSGAR, T11A
Hyperscore=24.1315
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
y1
b2
y3
y4
y5
y6−NH3
b5
y6
b6
y7
b7
y8
b8
b9−H2O
b9
y10

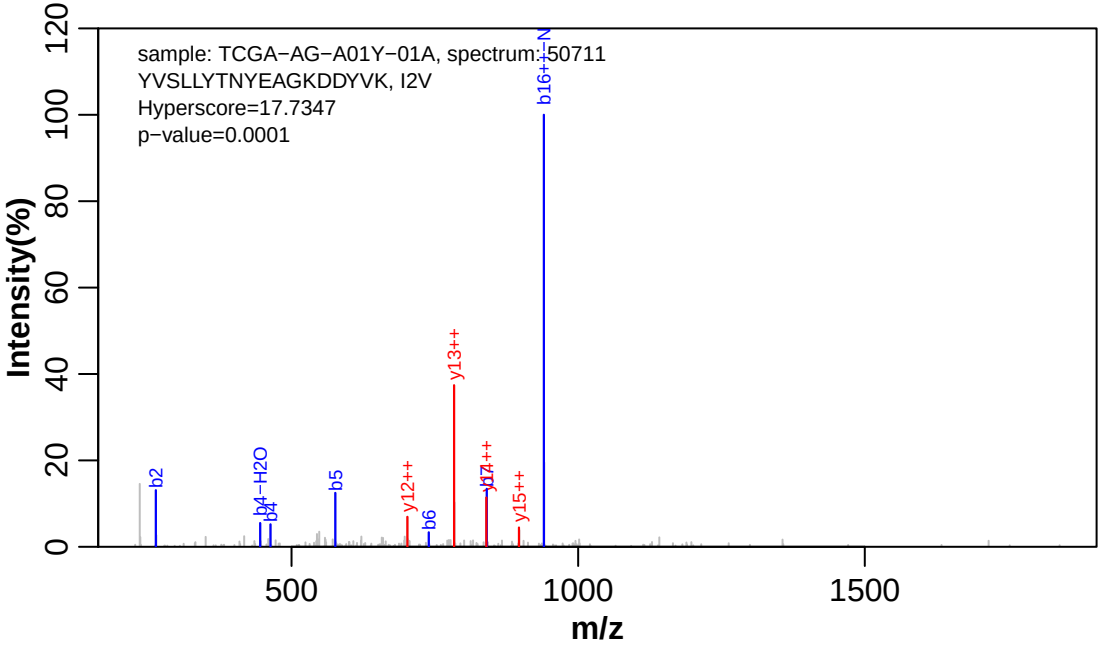

sample: TCGA−AG−A01Y−01A, spectrum: 41058
VEHWGLDKPLLK, Q8K
Hyperscore=38.5962
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y11+++−H2O
y11+++
b6+++−H2O
b4−NH3
b10++
b7
b4
b2
b3
y10+++
y4−NH3
y1

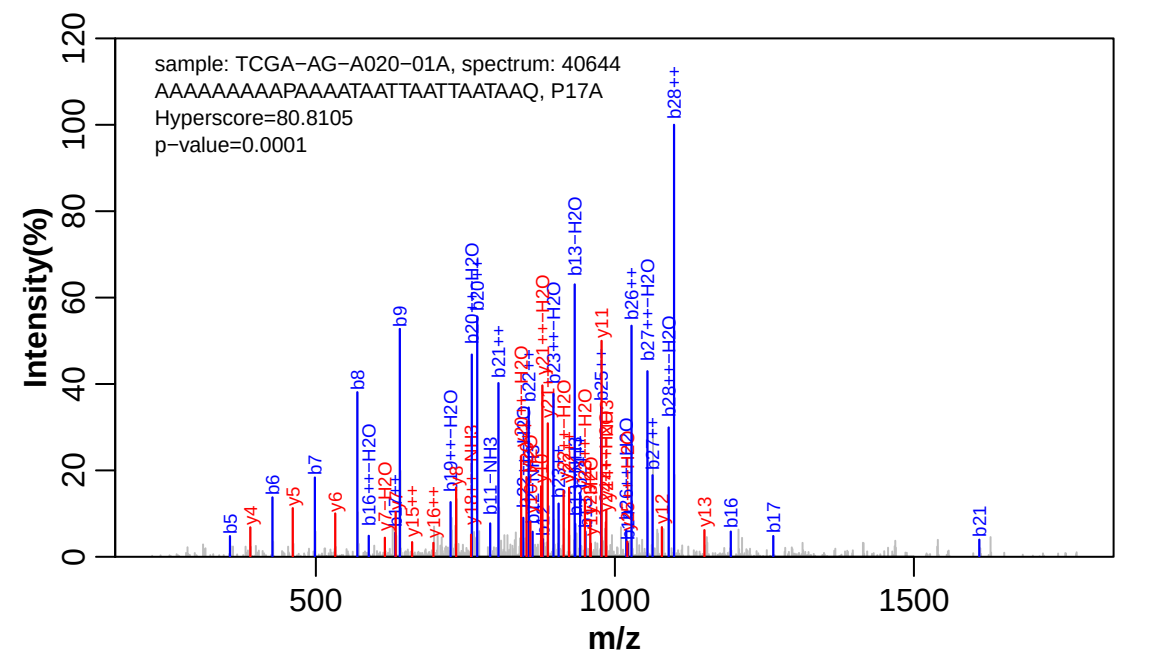

sample: TCGA−AG−A01Y−01A, spectrum: 3964
VLLNDGGYYDPK, E12K
Hyperscore=44.2459
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b10
y9
y10
y2
y8
b5
y3
y4
b3
b4
b6−NH3
y5
y6
y6−H2O
b10−NH3
y10−NH3
b9
b2
y2−H2O

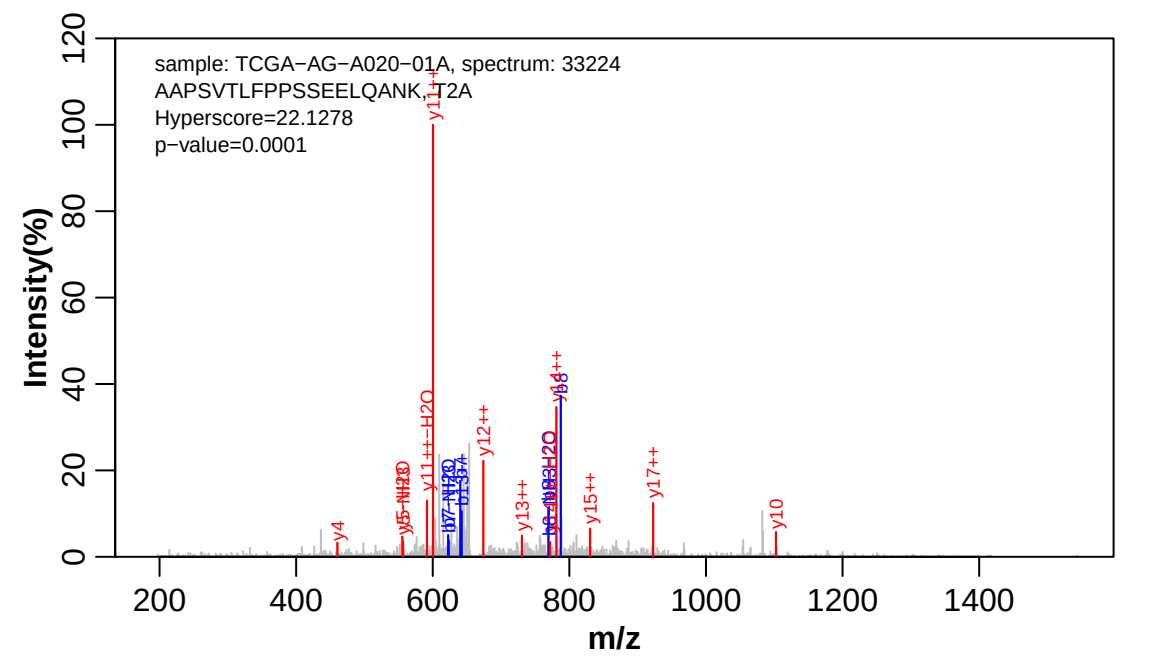

sample: TCGA−AG−A01Y−01A, spectrum: 80476
VLSTTNAER, D6N
Hyperscore=20.2969
p−value=0.0004
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
y1
b2
y3
b4
y4
y5
y6
y7
b8

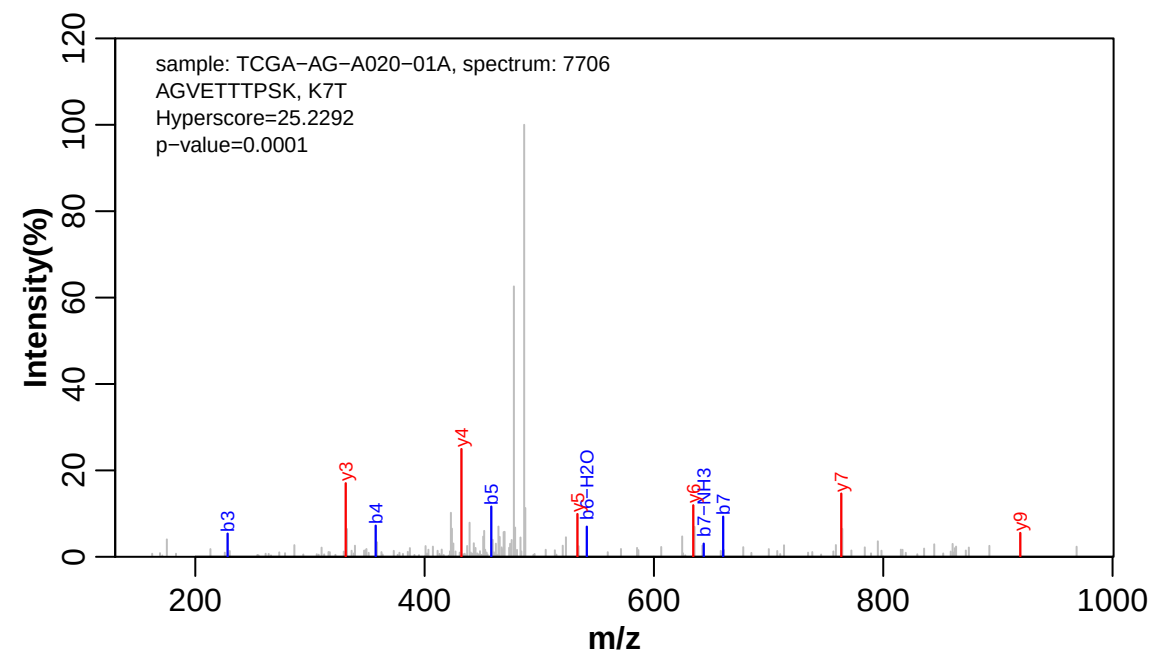

sample: TCGA−AG−A01Y−01A, spectrum: 45672
VPVTQATR, L3V
Hyperscore=23.1614
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
y2
b3
y3
b4−H2O
b4
y4
b5
y5
b6
y6
y7

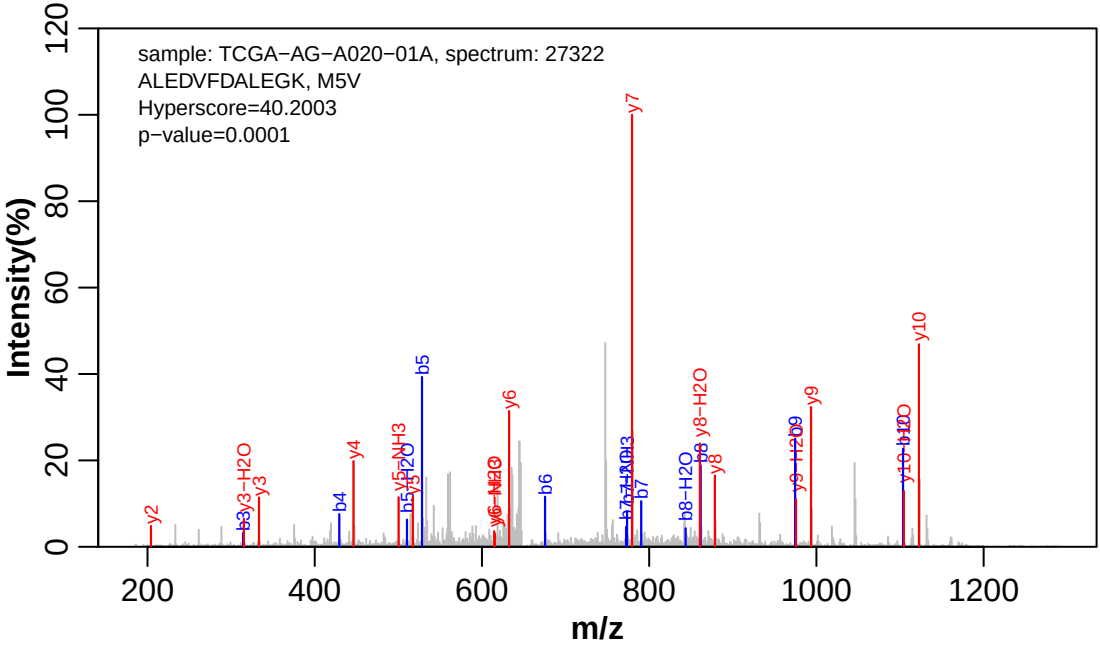

sample: TCGA−AG−A01Y−01A, spectrum: 16693
WLLLCNPGLANTLVEK, D11N
Hyperscore=54.9886
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b3
b4
b5
y6
y7
b6−NH3
b6
y8
b8−NH3
y10−NH3
b9−NH3
b10−NH3
y11
b11
y12
y13
b13−NH3
y14
b14

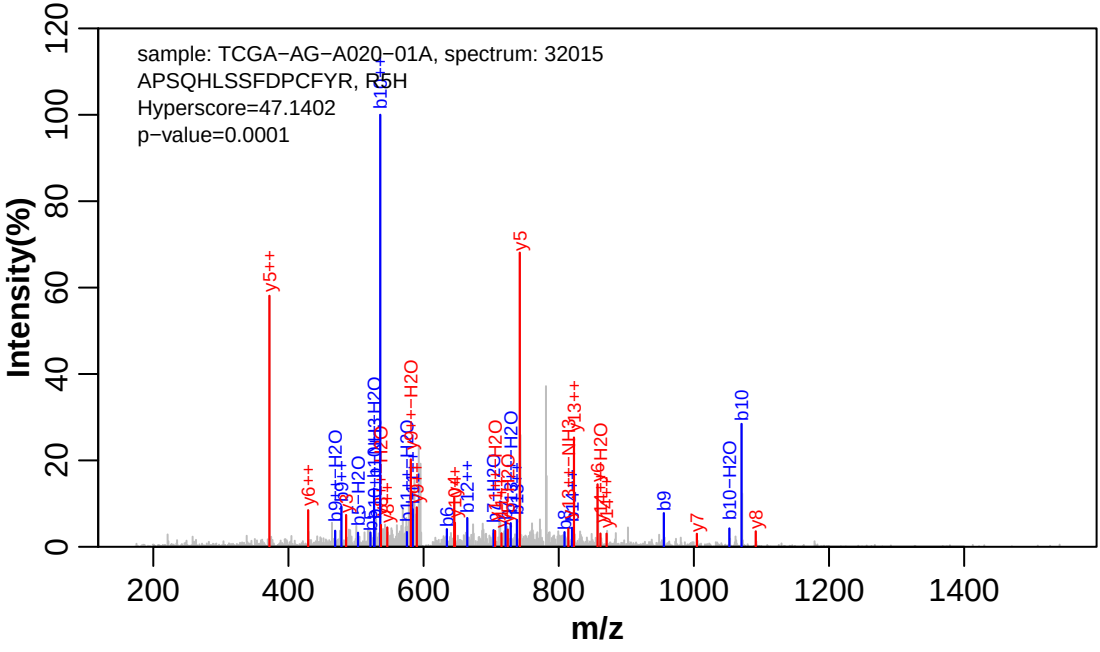

sample: TCGA−AG−A01Y−01A, spectrum: 50711
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=17.7347
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
b4−H2O
b4
b5
y12++
b6
y13++
y14++
y15++
b16++−N

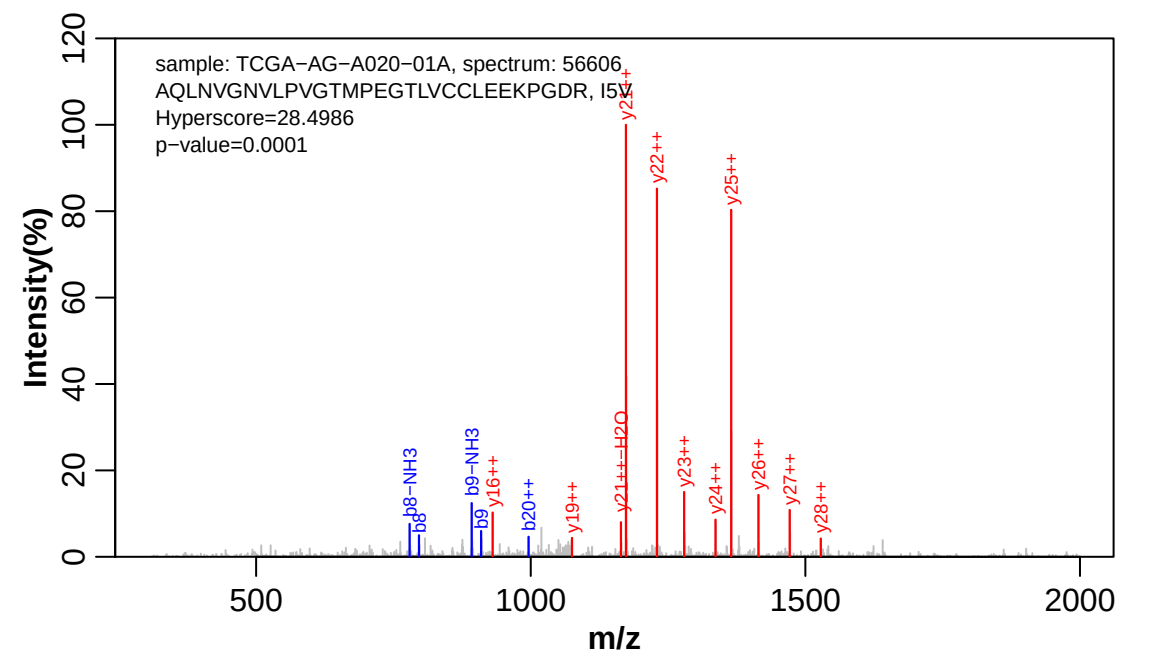

sample: TCGA−AG−A020−01A, spectrum: 40644
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=80.8105
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5
y4
b6
y5
b7
y6
b8
b16++−H2O
y7−H2O
b17++
y15++
y16++
b9
b10++−H2O
b18++−NH3
b20++−H2O
b11−NH3
b21++
b13−H2O
b26++
b27++−H2O
b28++−H2O
b28++
y11
b27++
y12
y13
b16
b17
b21

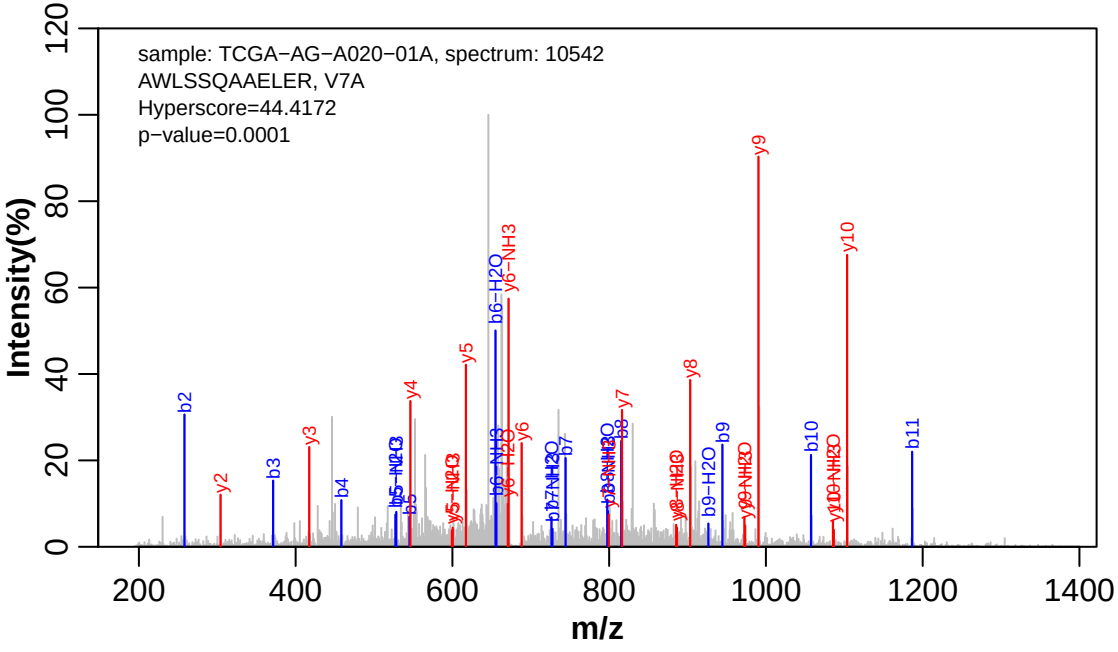

sample: TCGA−AG−A020−01A, spectrum: 33224
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=22.1278
p−value=0.0001
Intensity(%)
m/z
y11++
y11++−H2O
y12++
y13++
y14++
y15++
y17++
y4
y10
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

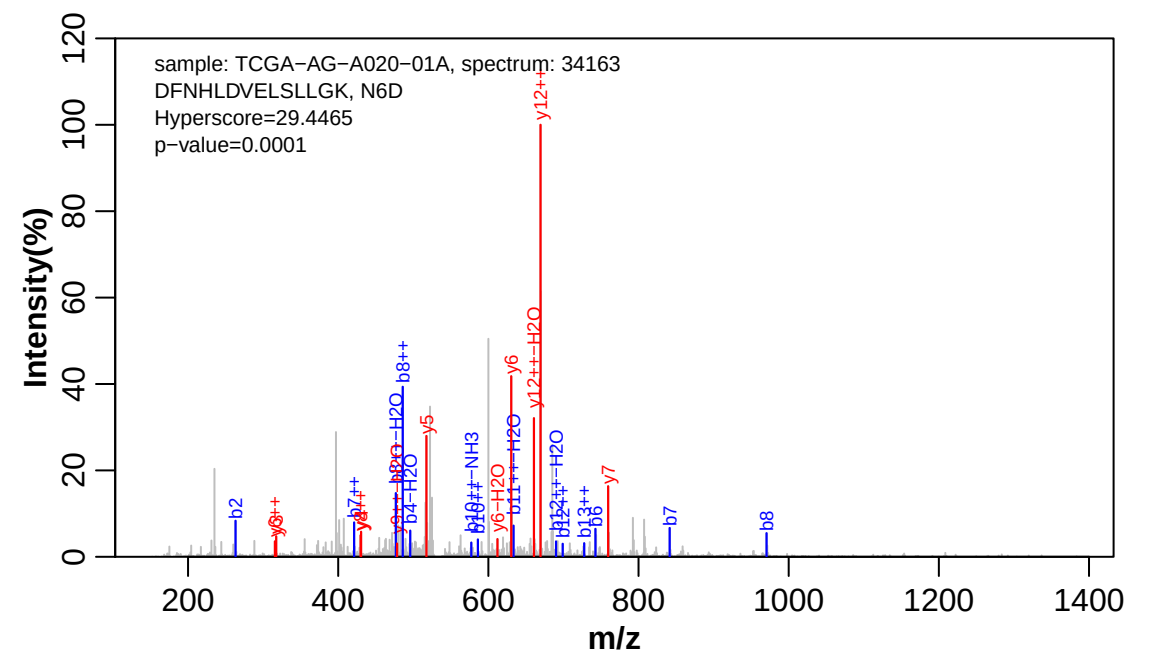

sample: TCGA−AG−A020−01A, spectrum: 7706
AGVETTTPSK, K7T
Hyperscore=25.2292
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b3
y3
b4
y4
b5
y5
b6−H2O
y6
b7−NH3
b7
y7
y9

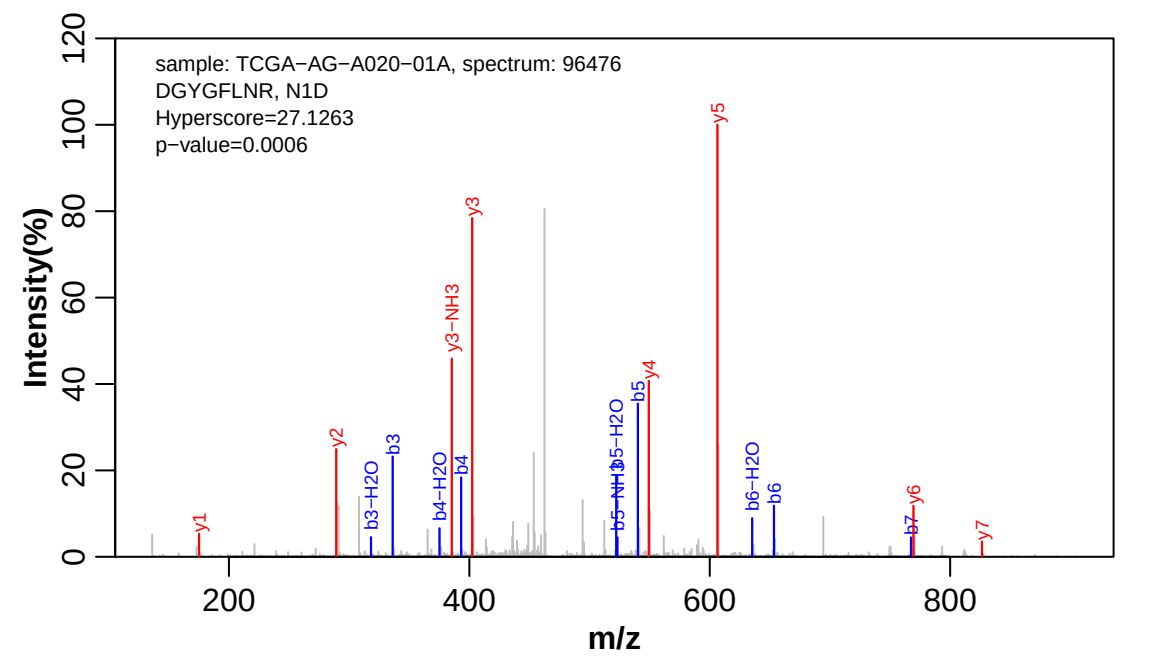

sample: TCGA−AG−A020−01A, spectrum: 27322
ALEDVFDALEGK, M5V
Hyperscore=40.2003
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3−H2O
y3
b4
y4
b5
y5−NH3
y5−H2O
y5
y6
b6
y7
b7
b8−H2O
b8
y8−H2O
y8
y9−H2O
y9
y10−H2O
y10

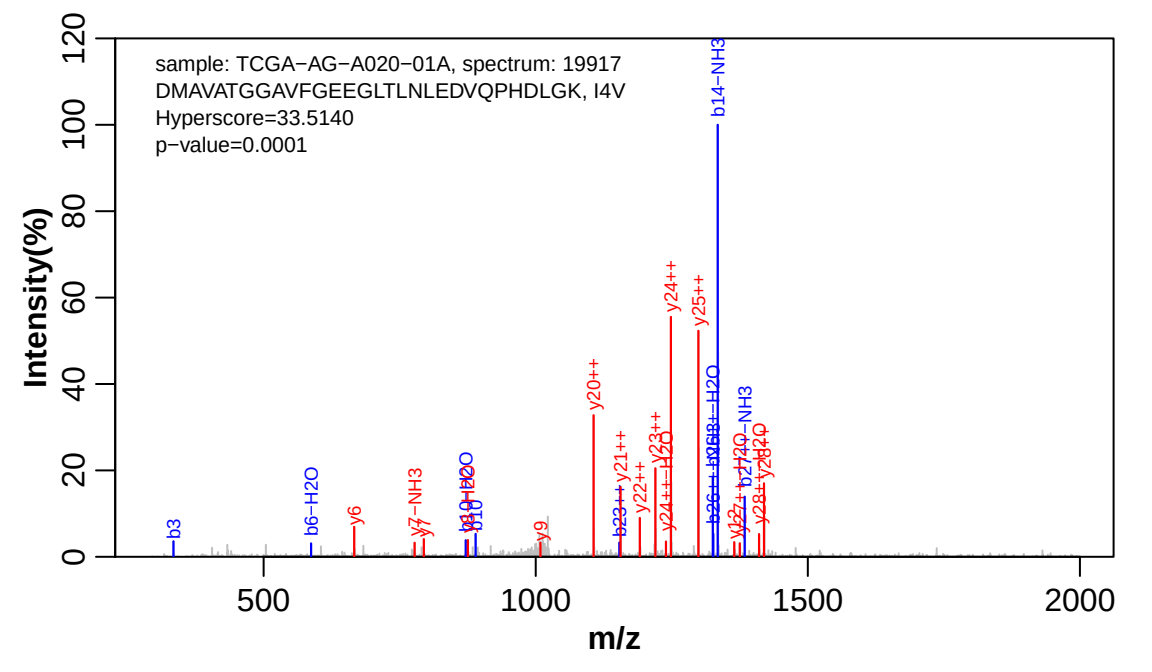

sample: TCGA−AG−A020−01A, spectrum: 32015
APSQHLSSFDPCFYR, RSH
Hyperscore=47.1402
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5++
y5
b10++
b10
b10−H2O
b9
y7
y8
y6++
y6++−H2O
b9++−H2O
b9++
y6++−NH3
b13++
y6+
y6+−H2O
b12++
b6++
b5++
y3++
y3++−H2O
b5++−H2O
b5++−NH3
b5++−NH3−H2O
b5++−H2O
b5++
y3+
y3+−H2O
b6+
b6+−H2O
b6+−NH3
b12++
b11++−H2O
b11++
b11+
b11+−H2O
b12+
b12+−H2O
b12+−NH3
b13+
b13+−H2O
b13+−NH3
b8++−NH3
b14++
b14++−NH3
y13++
y14++
y6+−H2O

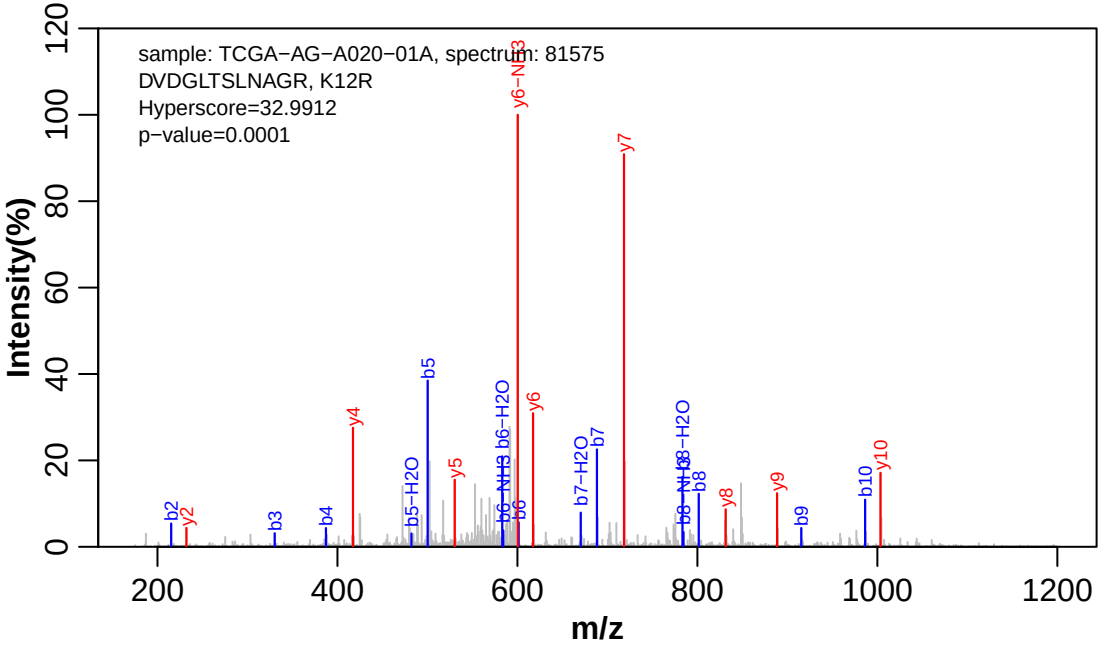

sample: TCGA−AG−A020−01A, spectrum: 56606
AQLNVGNVLPVGTMPEGTLVCCLEEKPGDR, I5V
Hyperscore=28.4986
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
2000
b8−NH3
b8
b9−NH3
b9
y16++
b20++
y19++
y21++−H2O
y21++
y22++
y23++
y24++
y25++
y26++
y27++
y28++

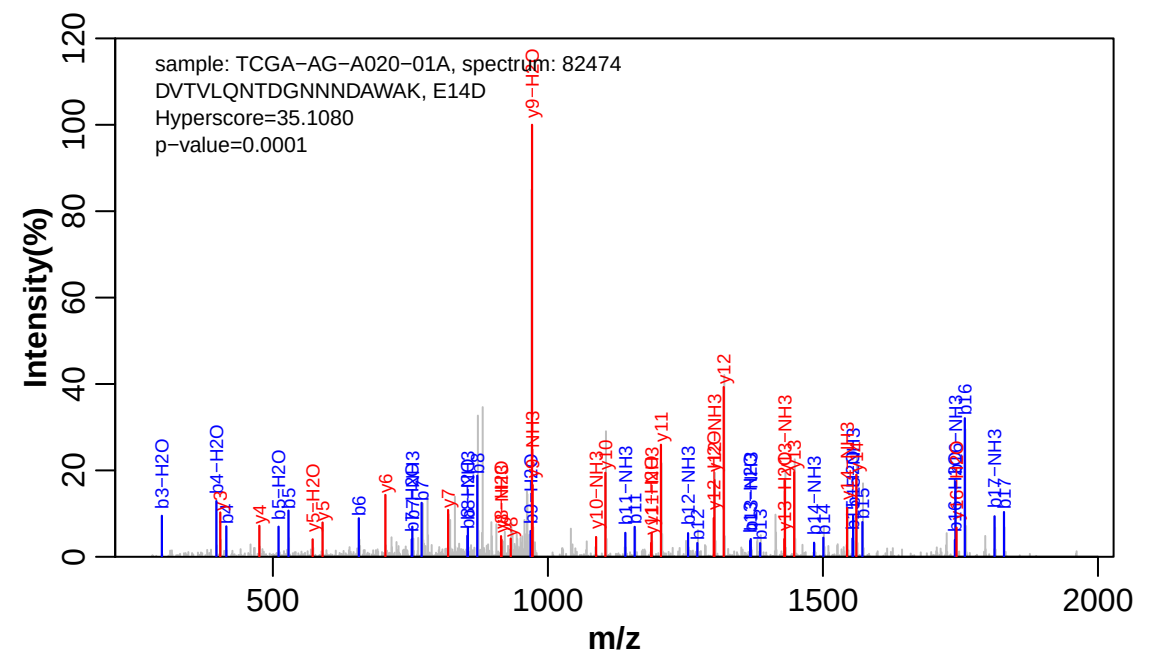

sample: TCGA−AG−A020−01A, spectrum: 10542
AWLSSQAAELER, V7A
Hyperscore=44.4172
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
y4
b5
y5
b6−H2O
b6−NH3
y6−NH3
y6
b7
y7
b8
y8
b9−H2O
b9
y9
b10
y10
b11

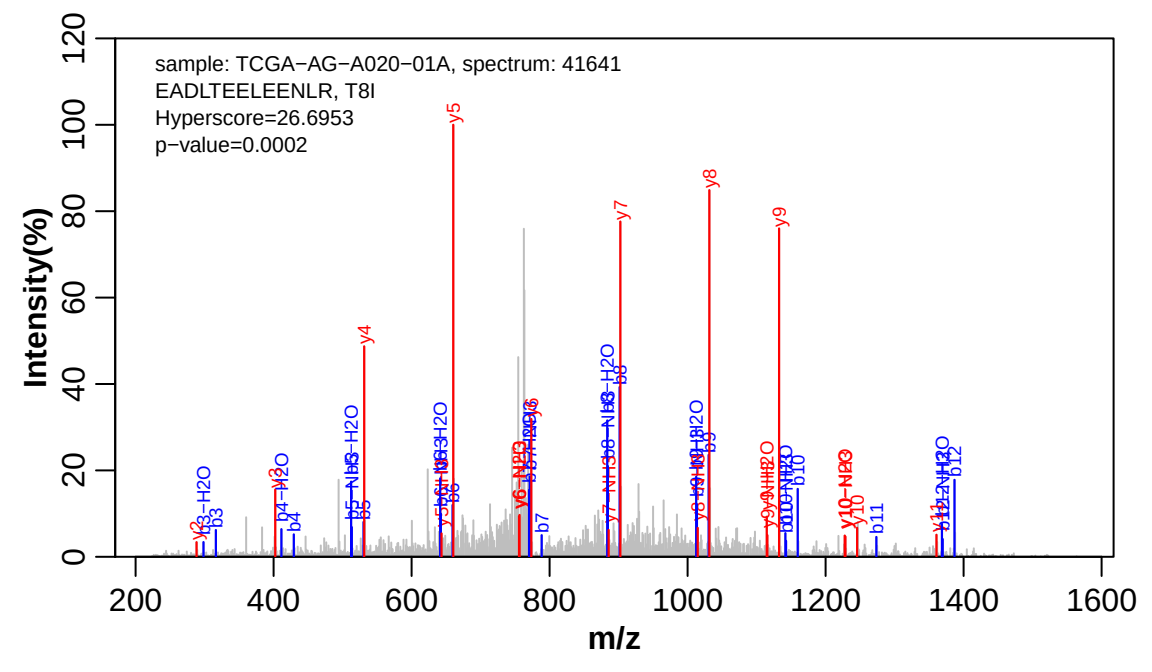

sample: TCGA−AG−A020−01A, spectrum: 34163
DFNHLDVELSLLGK, N6D
Hyperscore=29.4465
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y6++
y7++
b7++
y12++
b8++−H2O
b4−H2O
y5
b10++−NH3
y6−H2O
b11++−H2O
y6
y12++−H2O
b12++−H2O
b13++
b6
y7
b7
b8

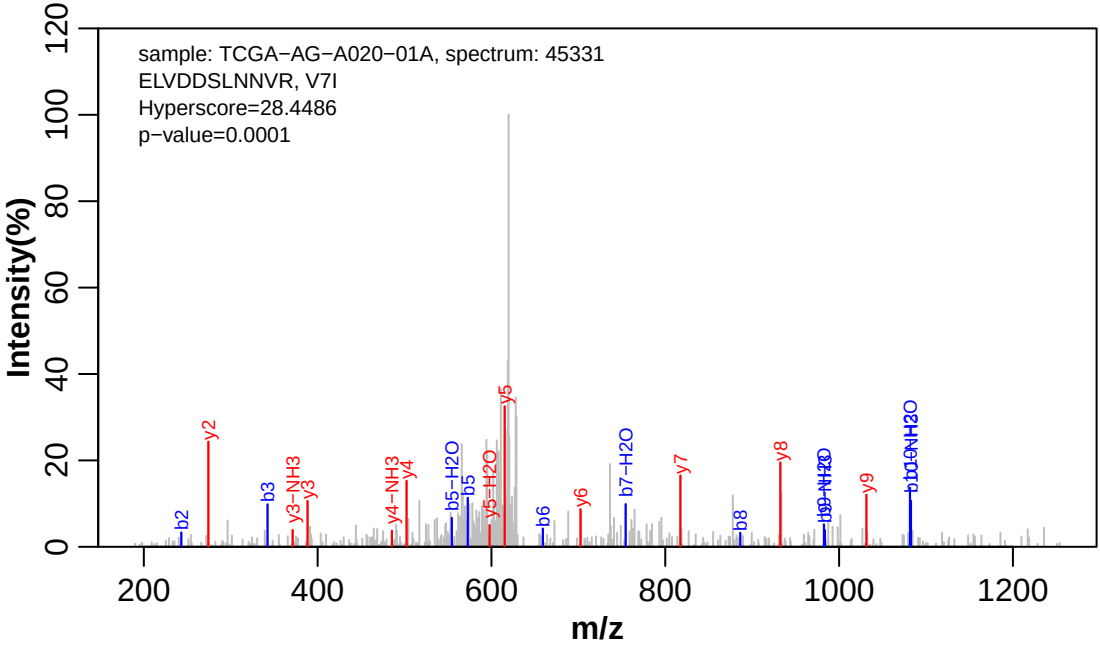

sample: TCGA−AG−A020−01A, spectrum: 96476
DGYGFLNR, N1D
Hyperscore=27.1263
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
b4
y3−NH3
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6
y7

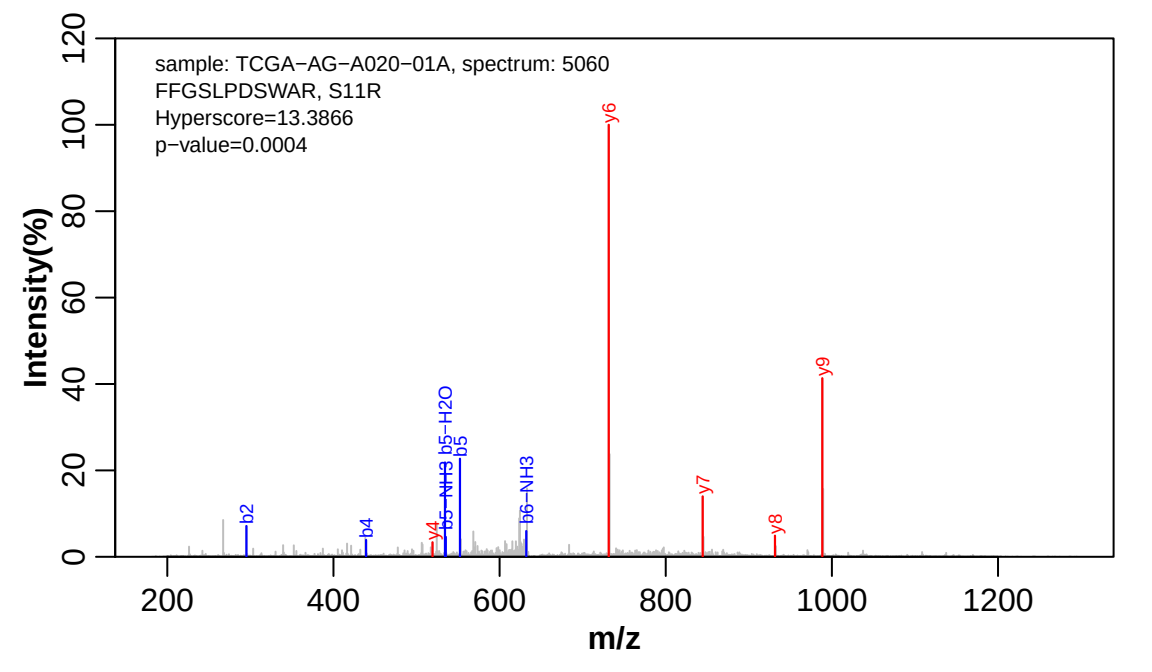

sample: TCGA−AG−A020−01A, spectrum: 19917
DMAVATGGAVFGEEGLTLNLEDVQPHDLGK, I4V
Hyperscore=33.5140
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3
b6−H2O
y6
y7−NH3
y7
b10−H2O
b10
y9
y20++
b23++
y21++
y22++
y23++
y24++
y25++
b14−NH3
b26++−H2O
b27++−NH3
y28++

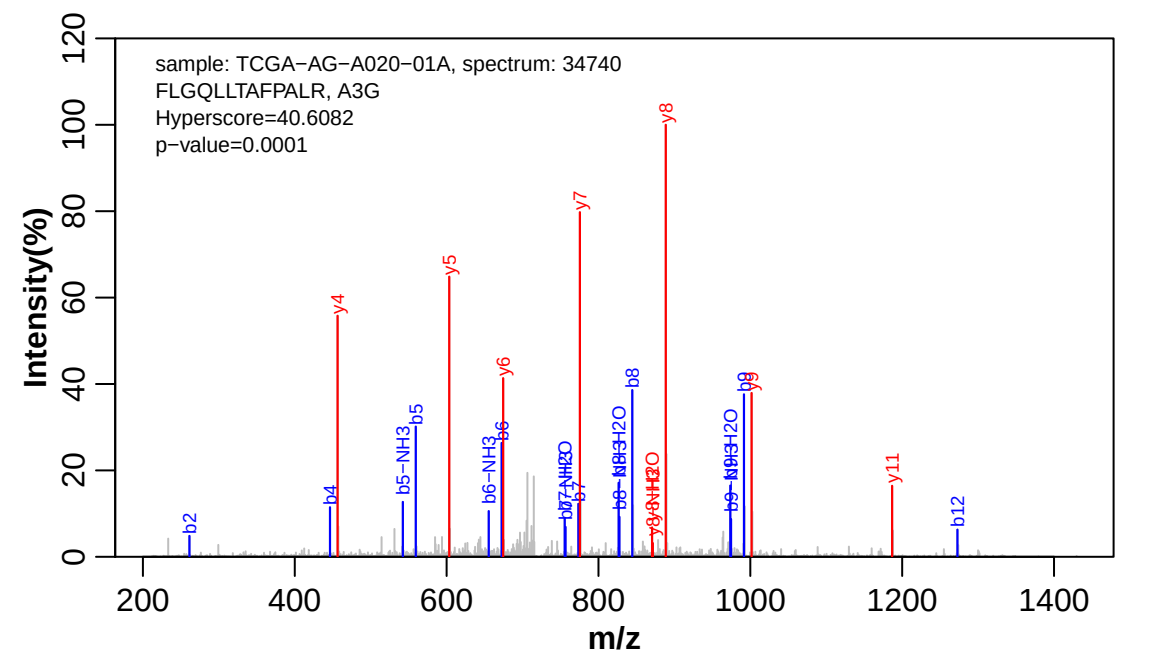

sample: TCGA−AG−A020−01A, spectrum: 81575
DVDGLTSLNAGR, K12R
Hyperscore=32.9912
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
b4
y4
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6−NH3
y6
b7−H2O
b7
y7
b8−NH3
b8−H2O
b8
y8
y9
b9
b10
y10

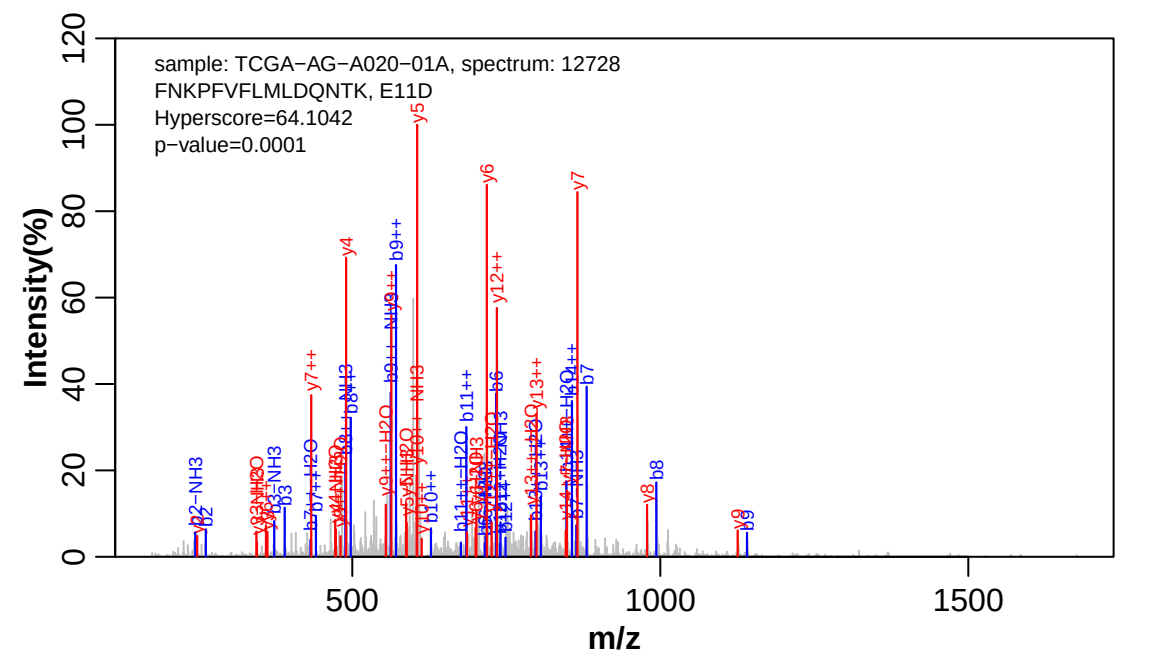

sample: TCGA−AG−A020−01A, spectrum: 82474
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=35.1080
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b4−H2O
y4
b5−H2O
y5−H2O
b6
y6
y7
y9−H2O
y9−H2O−NH3
y10−NH3
y10
b11−NH3
y12
y12−NH3
b12−NH3
b13−NH3
y13−NH3
b14−NH3
b16−H2O
b16−H2O−NH3
b16
b17−NH3

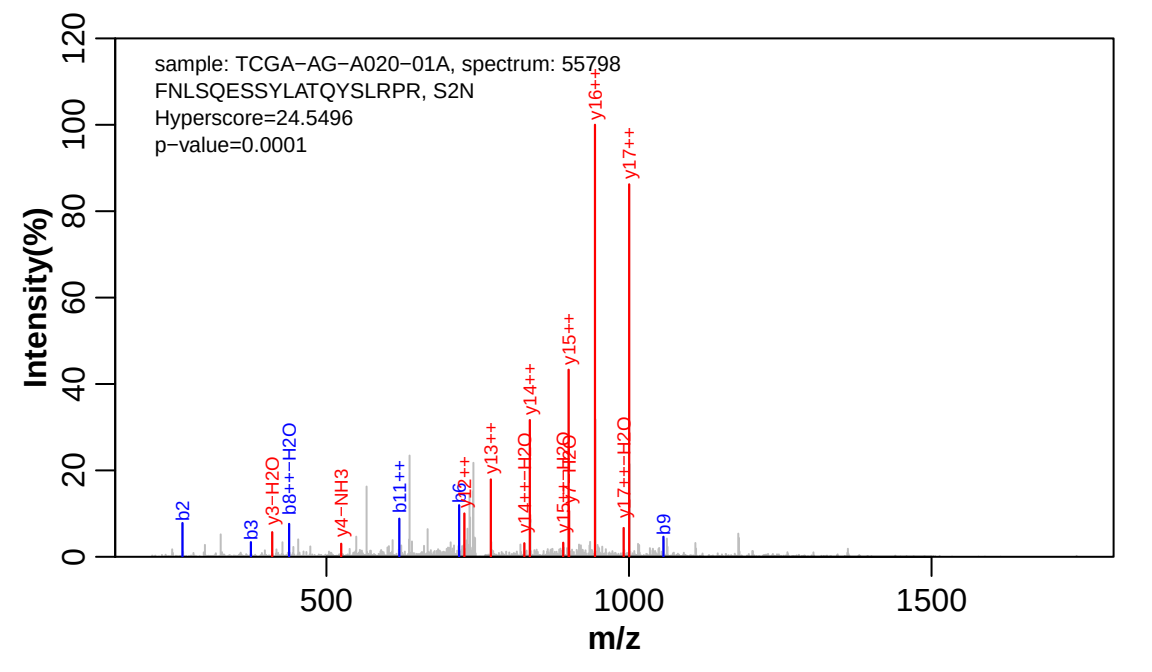

sample: TCGA−AG−A020−01A, spectrum: 41641
EADLTEELEENLR, T8I
Hyperscore=26.6953
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y8
y7
y9
y4
b8
b9
b7
b10
b11
b12
y10
y11

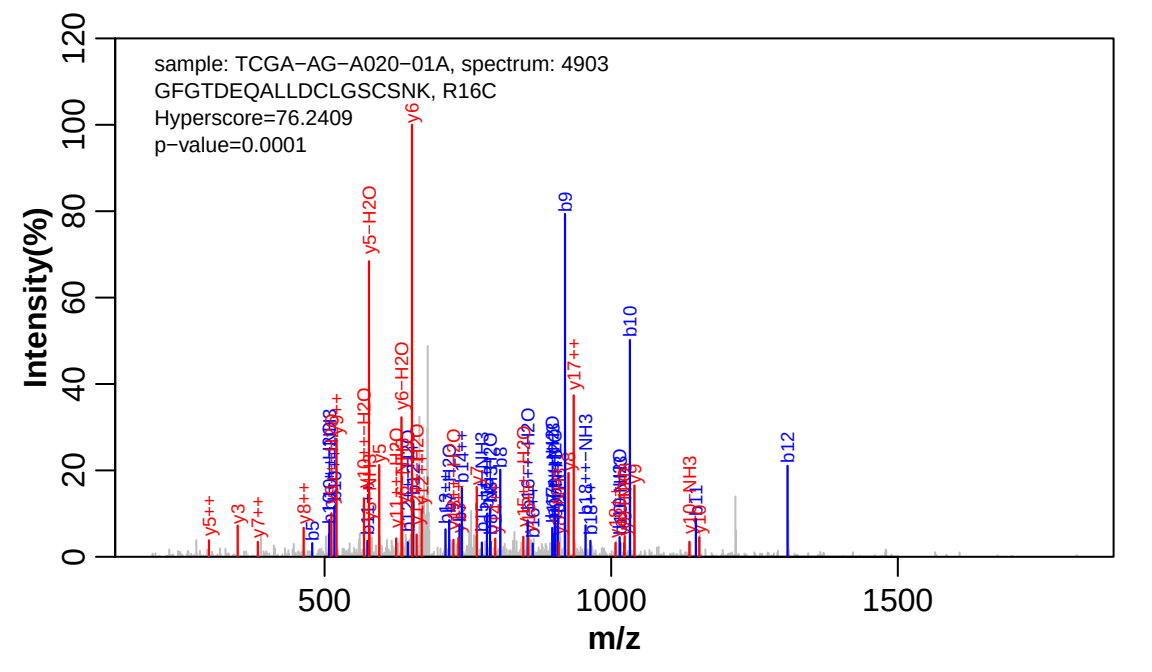

sample: TCGA−AG−A020−01A, spectrum: 45331
ELVDDSLNNVR, V7I
Hyperscore=28.4486
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3−NH3
y3
y4−NH3
y4
b5−H2O
b5
y5−H2O
y5
b6
y6
b7−H2O
y7
b8
y8
y9

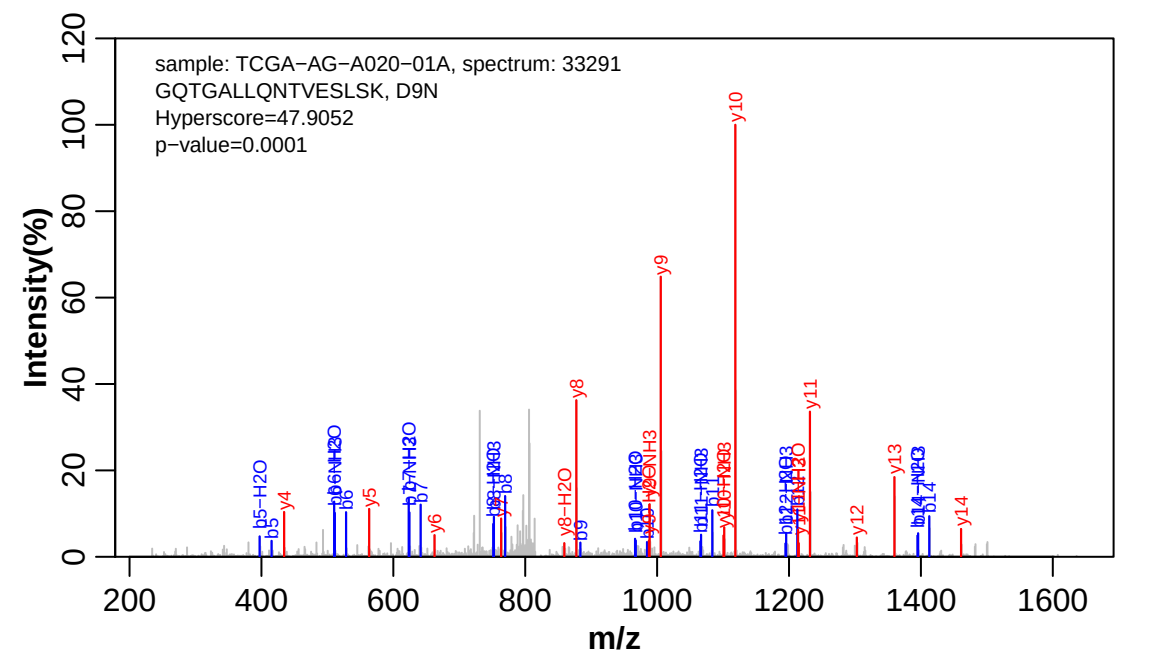

sample: TCGA−AG−A020−01A, spectrum: 5060
FFGSLPDSWAR, S11R
Hyperscore=13.3866
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4
y4
b5−NH3
b5−H2O
b5
b6−NH3
y6
y7
y8
y9

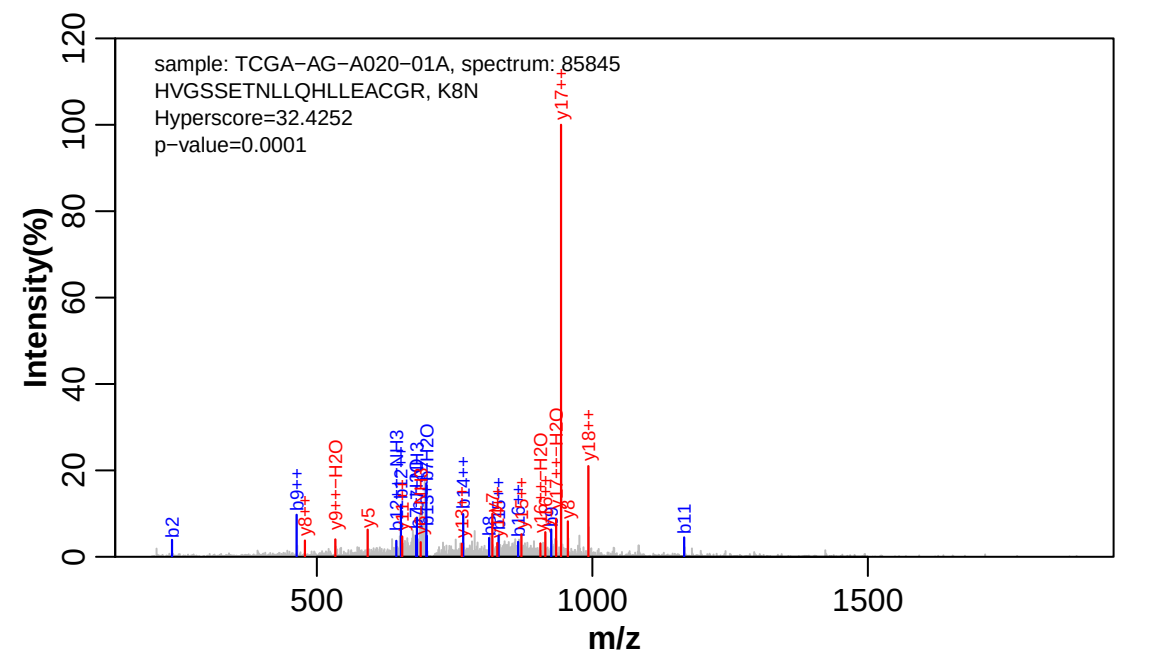

sample: TCGA−AG−A020−01A, spectrum: 34740
FLGQLLTAFPALR, A3G
Hyperscore=40.6082
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y4
b4
b5−NH3
b5
y5
b6−NH3
b6
y6
b7
y7
b8
y8
y9
b12
y11

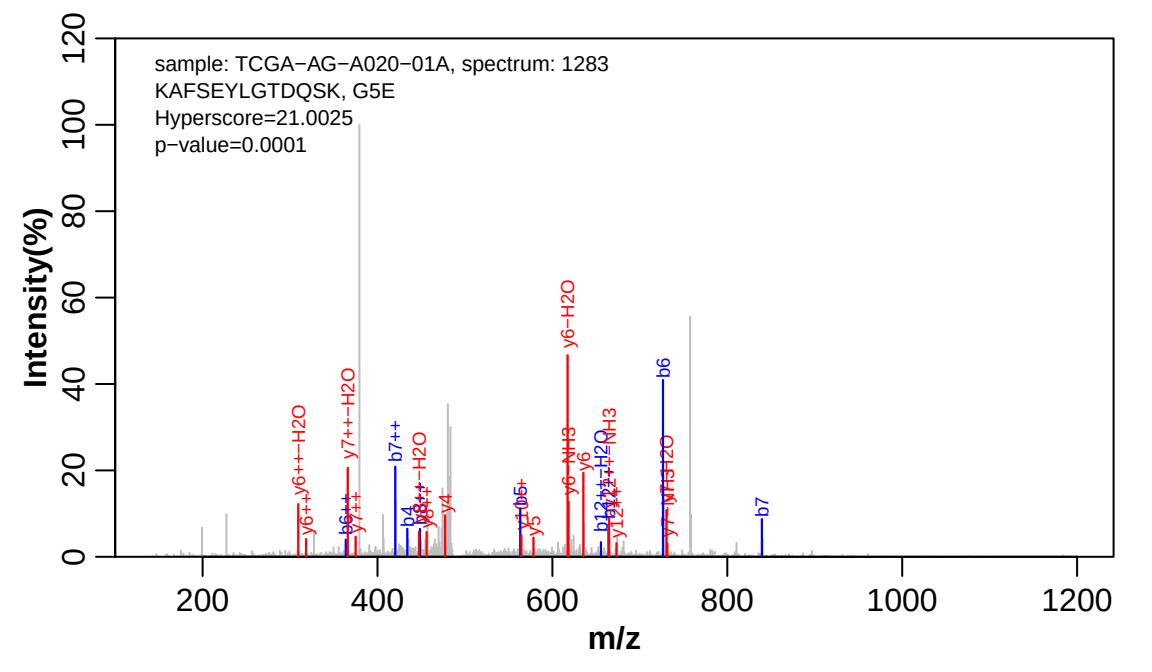

sample: TCGA−AG−A020−01A, spectrum: 12728
FNKPFVFLMLDQNTK, E11D
Hyperscore=64.1042
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y5
y6
y7
y4
y12++
b9++
b9++ NH3
b9++ H2O
b8 NH3
y7++
b7++ H2O
b7 NH3
b3 NH3
b3
y2−NH3
y2
y10++
y10++ NH3
b11++
b11++ H2O
b6
y13++
b13++ H2O
b7
b8
y8
y9
b9

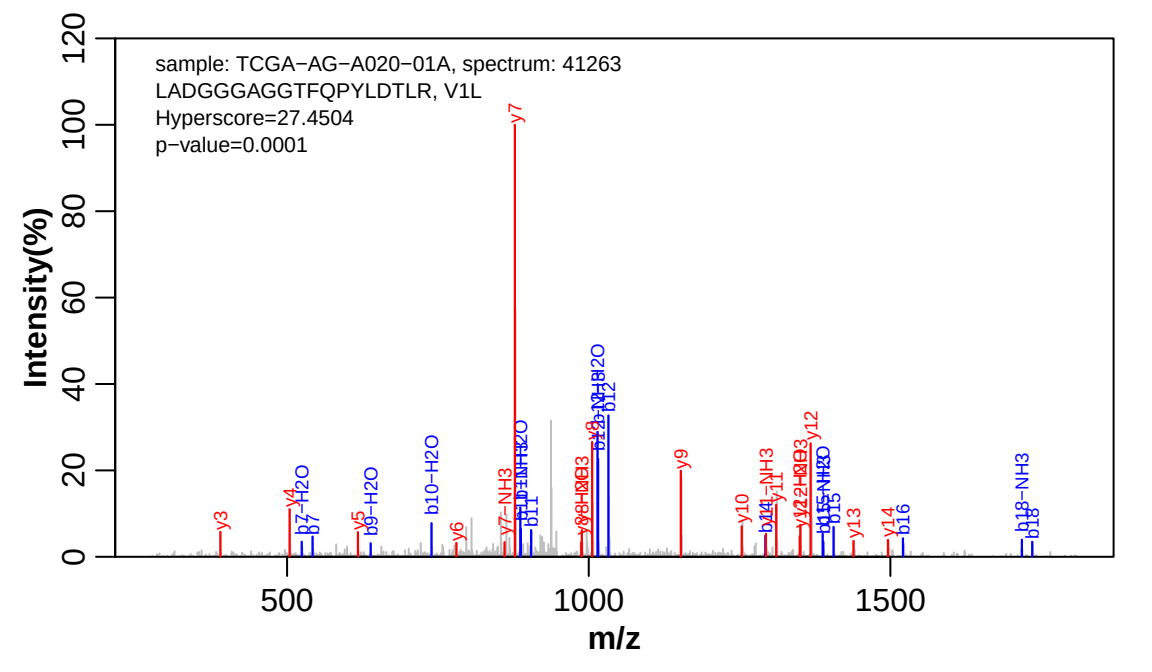

sample: TCGA−AG−A020−01A, spectrum: 55798
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=24.5496
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
500
1000
1500
b2
b3
y3−H2O
b8++−H2O
y4−NH3
b11++
b6
y2++
y13++
y14++−H2O
y14++
y15++−H2O
y15++
y16++
y17++−H2O
y17++
b9

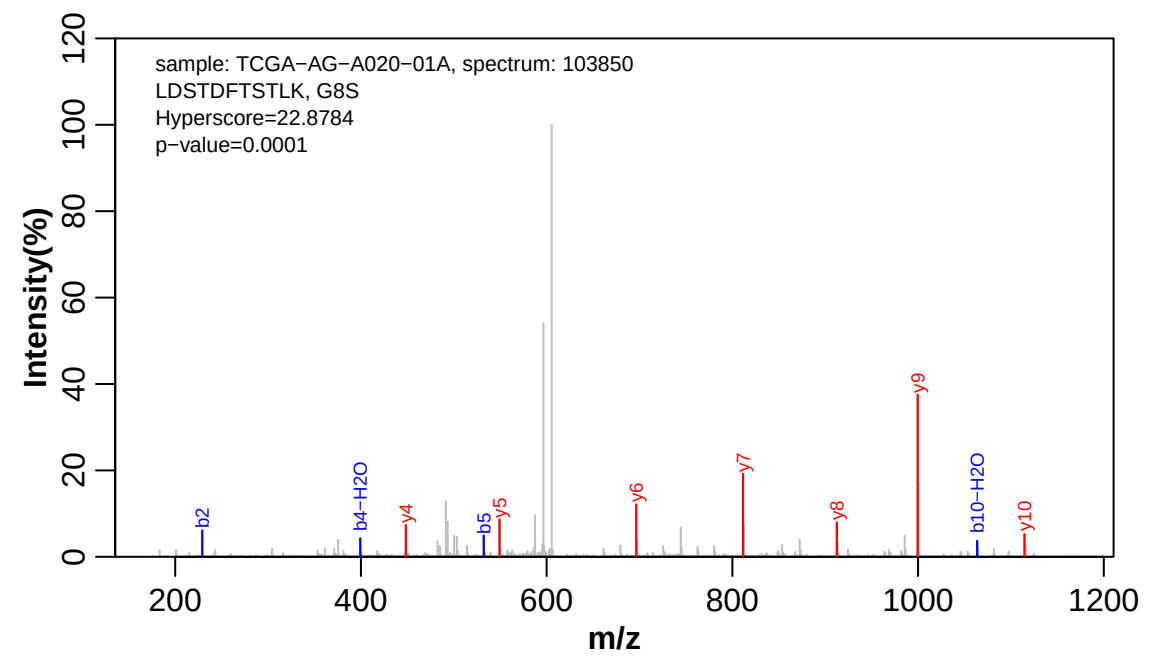

sample: TCGA−AG−A020−01A, spectrum: 4903
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=76.2409
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y6
y5−H2O
b9
b10
y17++
b12
y5++
y3
y7++
y8++
b5
y6−H2O
y5
b8
y10++−NH3
y10−NH3
y11
y9
b11++−NH3
b18++−NH3

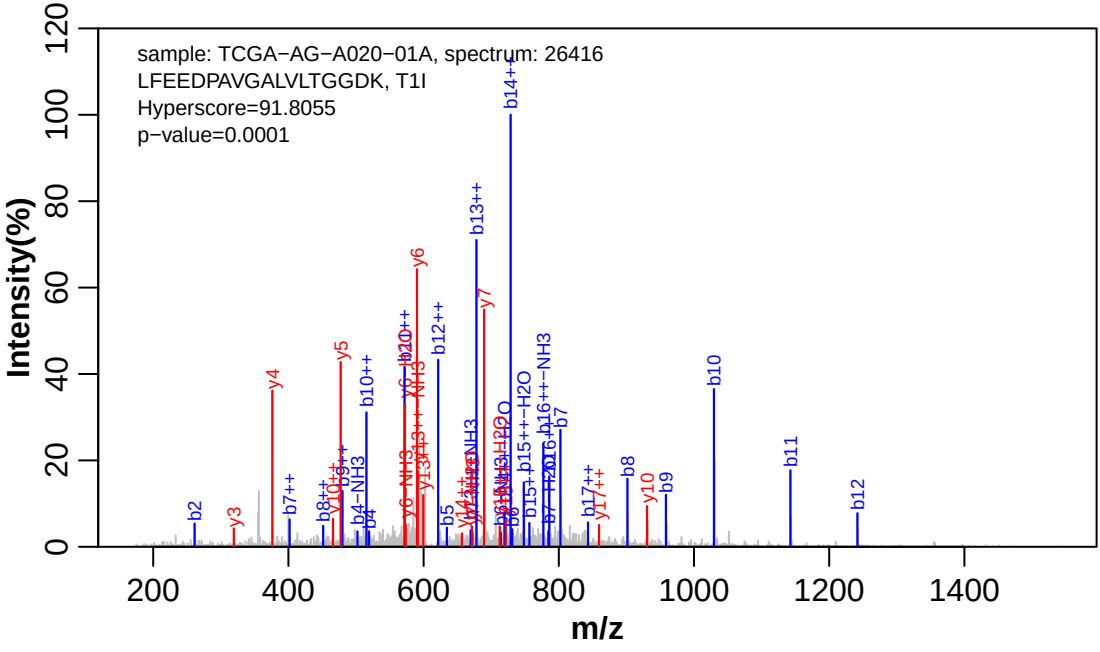

sample: TCGA−AG−A020−01A, spectrum: 33291
GQTGALLQNTVESLSK, D9N
Hyperscore=47.9052
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y14
y12
y8−H2O
y6
y5
y4
b5−H2O
b5
b6
b9

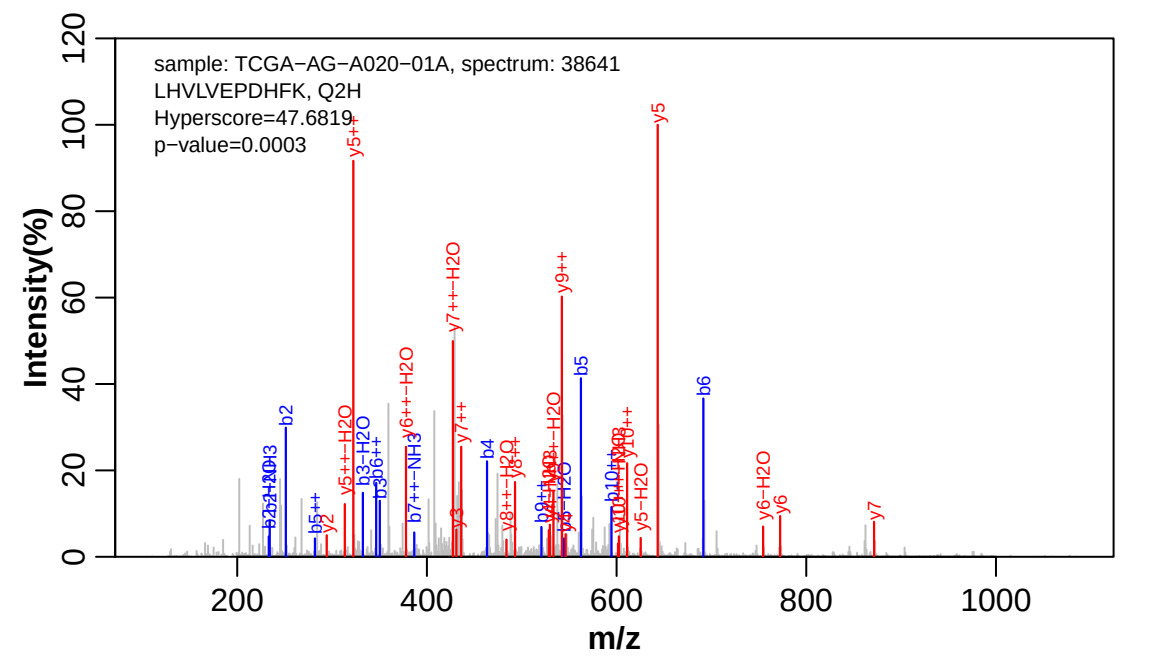

sample: TCGA−AG−A020−01A, spectrum: 85845
HVGSSETNLLQHLLEACGR, K8N
Hyperscore=32.4252
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y8++
b9++
y9++−H2O
y5
y13++
y17++
y18++
b11

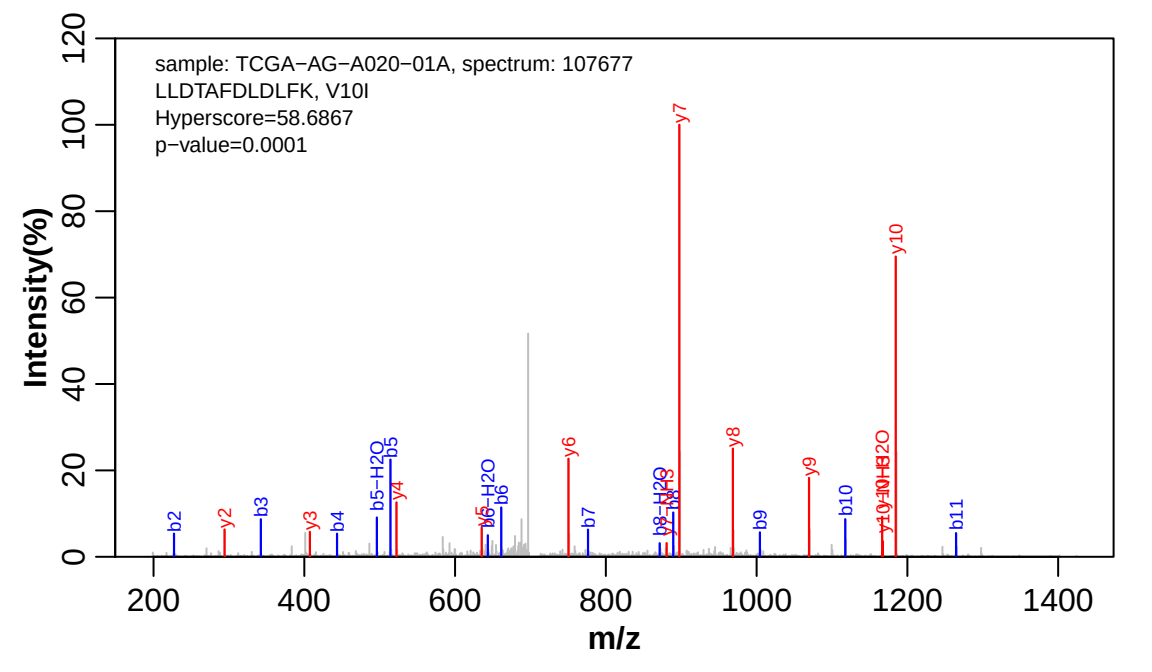

sample: TCGA−AG−A020−01A, spectrum: 1283
KAFSEYLGTDQSK, G5E
Hyperscore=21.0025
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6++−H2O
y7++−H2O
b7++
y6−H2O
y6−NH3
y6
b6
b7
y5
y4

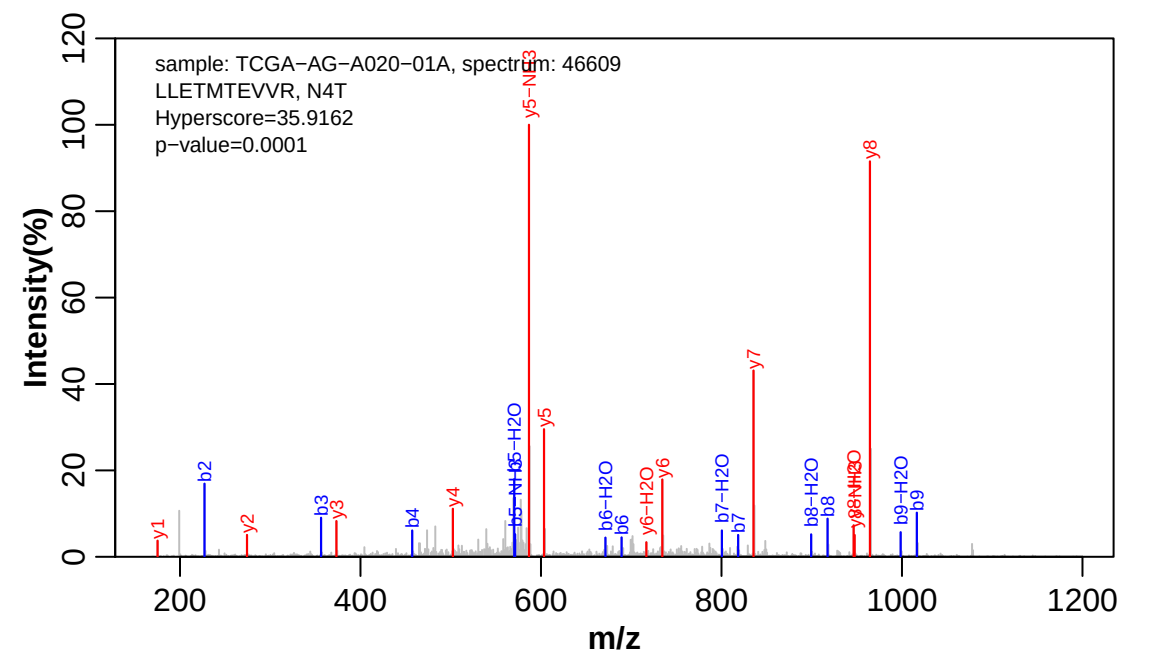

sample: TCGA−AG−A020−01A, spectrum: 41263
LADGGGAGGTFQPYLDTLR, V1L
Hyperscore=27.4504
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
b7−H2O
b7
y5
b9−H2O
b10−H2O
y6
y7−NH3
y7
b11−H2O
b11
b12−H2O
b12
y9
y10
b14−NH3
y11
y12
b15−NH3
b15
y13
y14
b16
b18−NH3
b18

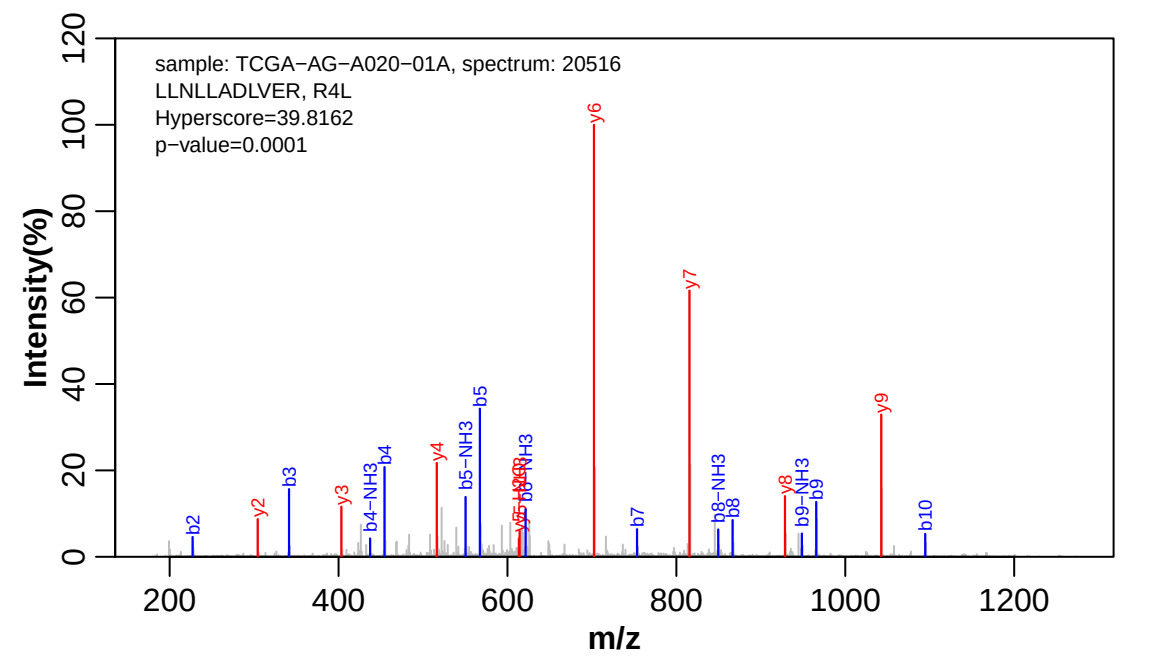

sample: TCGA−AG−A020−01A, spectrum: 103850
LDSTDFTSTLK, G8S
Hyperscore=22.8784
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5
y5
y6
y7
y8
y9
b10−H2O
y10

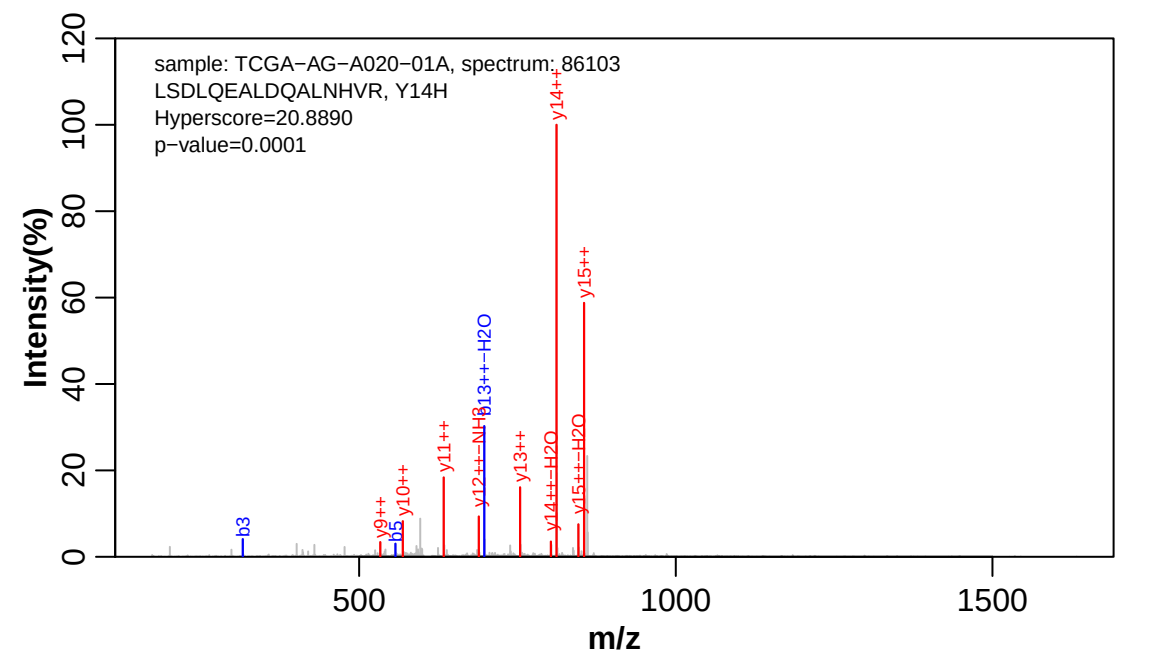

sample: TCGA−AG−A020−01A, spectrum: 26416
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=91.8055
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y3
y4
b7++
b8++
y5
b4−NH3
b4
b10++
y6−NH3
y6−H2O
y6−NH3++
y6−H2O++
y6
y13+3++−NH3
y13+3++
b12++
b5
y7
b13++
b14++
b15++−NH3
b15++−H2O
b15++
b16++−NH3
b7
b7−H2O
b16++
b17++
y17++
b8
y10
b9
b10
b11
b12

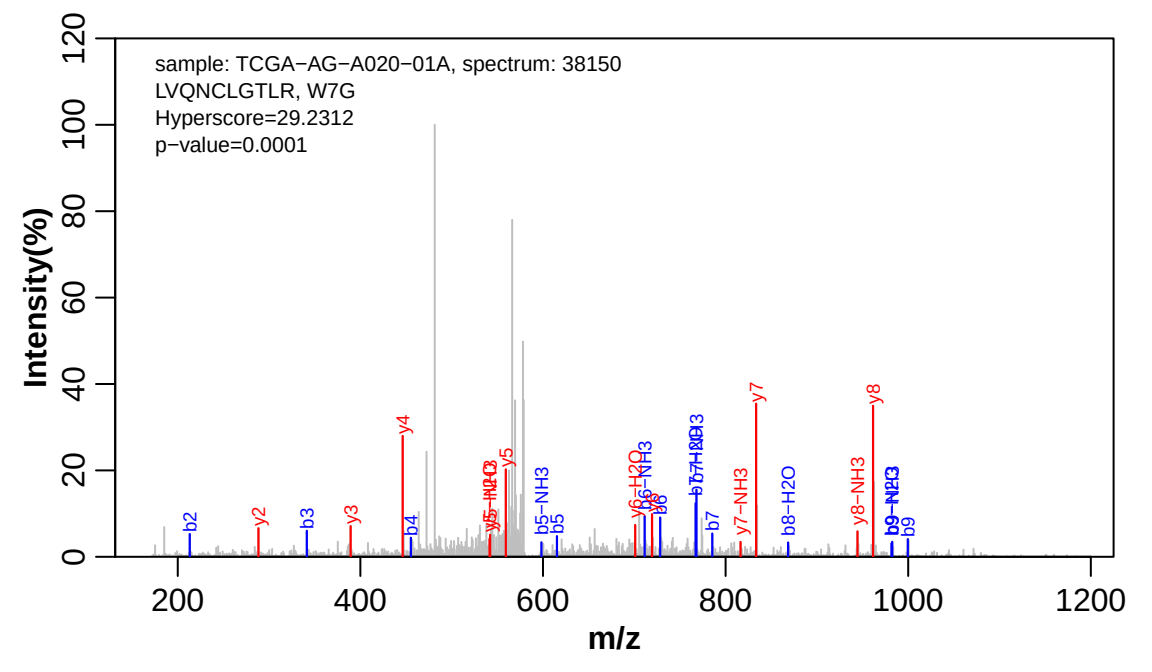

sample: TCGA−AG−A020−01A, spectrum: 38641
LHVLVEPDHFK, Q2H
Hyperscore=47.6819
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y5
y5++
b6
b2
b5
y7++−H2O
y9++
y7++
y6++−H2O
y5++−H2O
b3−H2O
b3o6++
b7++−NH3
b4
y6−H2O
y6
y7
y5−H2O
y10++
y3
b5

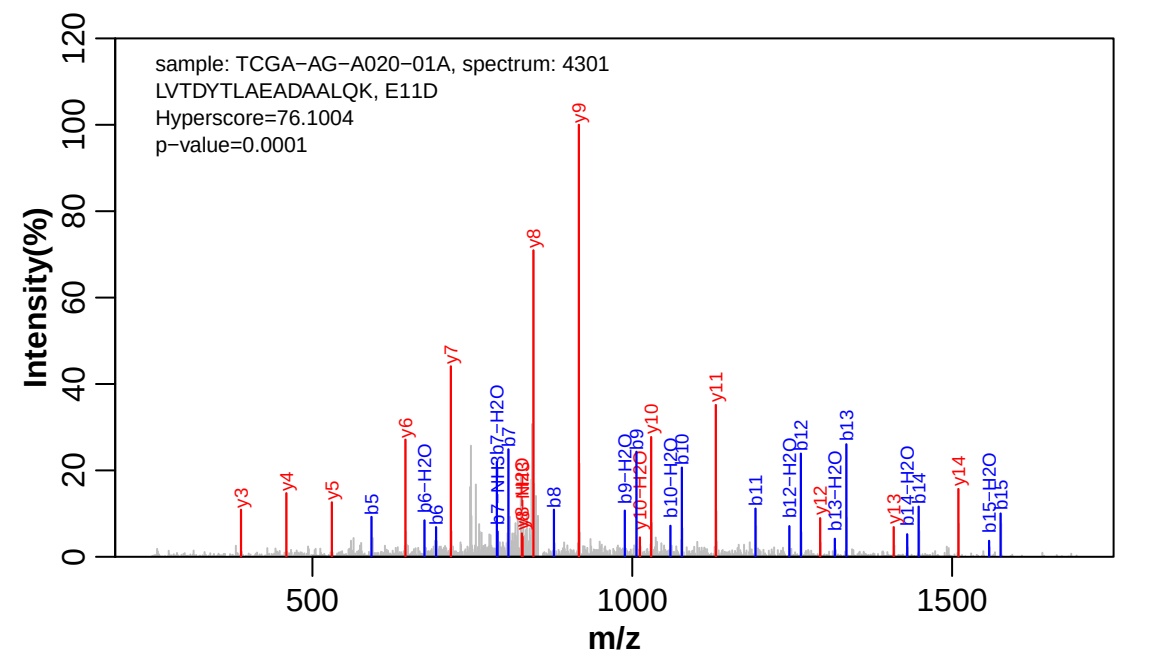

sample: TCGA−AG−A020−01A, spectrum: 107677
LLDTAFDLDLFK, V10I
Hyperscore=58.6867
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
b5−H2O
b5
y4
y5
b6−H2O
b6
y6
b7
b8−H2O
b8
y7
y8
b9
y9
b10
y10−H2O
y10
b11

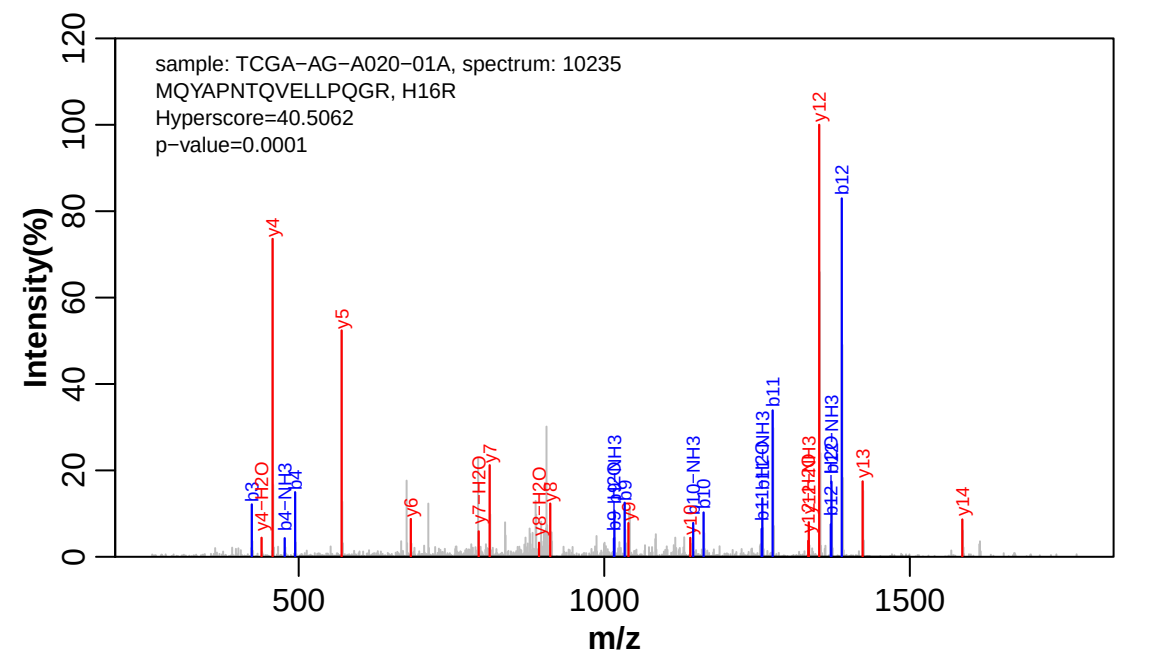

sample: TCGA−AG−A020−01A, spectrum: 46609
LLETMTEVVR, N4T
Hyperscore=35.9162
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2
y2
b3
y3
b4
y4
b5−H2O
y5−NH3
y5
b6−H2O
b6
y6−H2O
y6
b7−H2O
b7
y7
b8−H2O
b8
y8−NH3
y8−H2O
y8
b9−H2O
b9

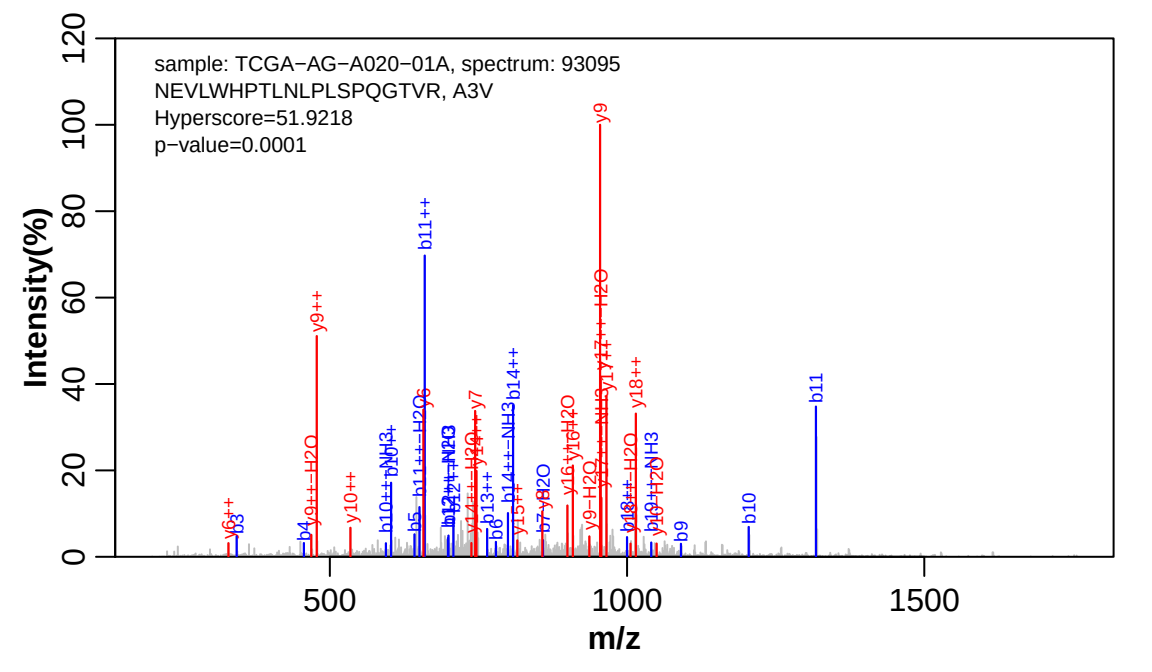

sample: TCGA−AG−A020−01A, spectrum: 20516
LLNLLADLVER, R4L
Hyperscore=39.8162
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
y7
y9
y4
y3
y2
b5
b5−NH3
b4
b4−NH3
b3
b2
b7
b8−NH3
b8
y8
b9−NH3
b9
b10

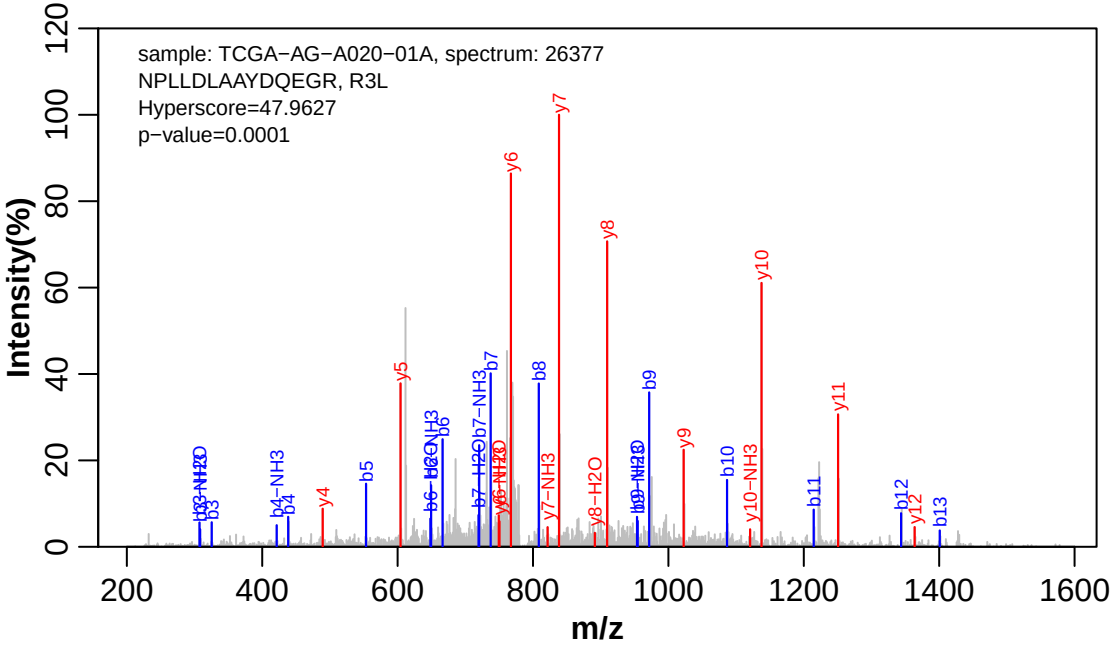

sample: TCGA−AG−A020−01A, spectrum: 86103
LSDLQEALDQALNHVR, Y14H
Hyperscore=20.8890
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y9++
b5
y10++
y11++
y12++−NH3
b13++−H2O
y13++
y14++−H2O
y14++
y15++−H2O
y15++

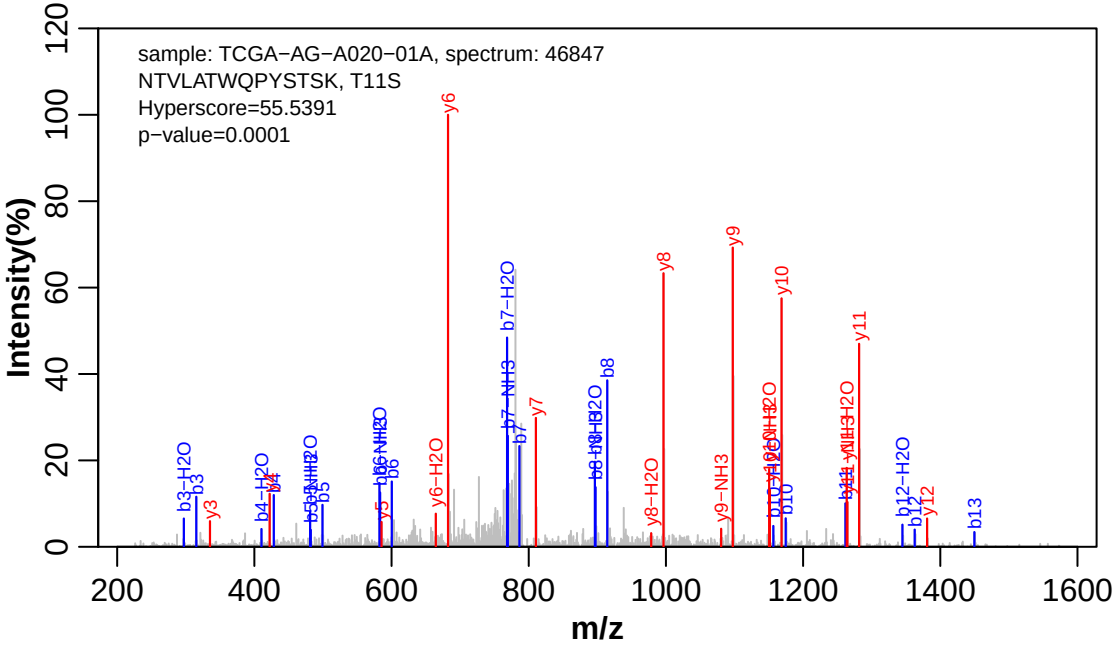

sample: TCGA−AG−A020−01A, spectrum: 38150
LVQNCLGTLR, W7G
Hyperscore=29.2312
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
y4
b4
y5
b5−NH3
b5
y6−H2O
y6−NH3
b7
y7
y7−NH3
b8−H2O
y8
y8−NH3
b9

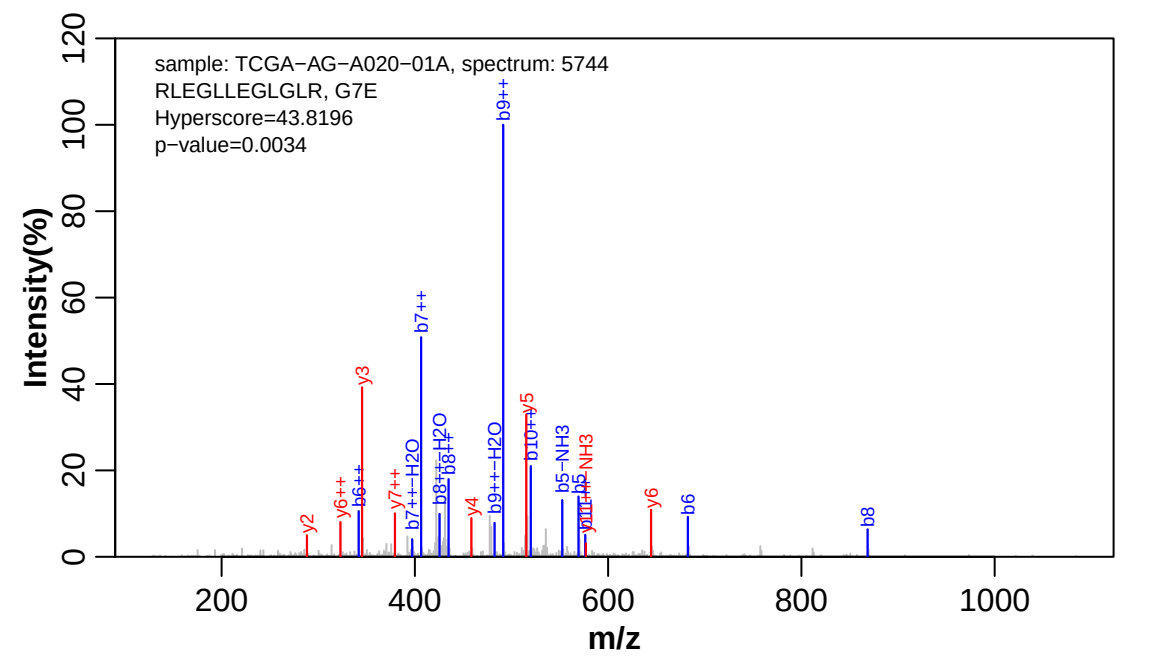

sample: TCGA−AG−A020−01A, spectrum: 4301
LVTDYTLAEADAALQK, E11D
Hyperscore=76.1004
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y3
y4
y5
b5
y6
b6−H2O
b6
y7
b7−NH3
b7−H2O
b7
y8−NH3
y8−H2O
y8
b8
y9
b9−H2O
b9
y10−H2O
y10
b10−H2O
b10
y11
b11
b12−H2O
b12
y12
b13−H2O
b13
y13
b14−H2O
b14
y14
b15−H2O
b15

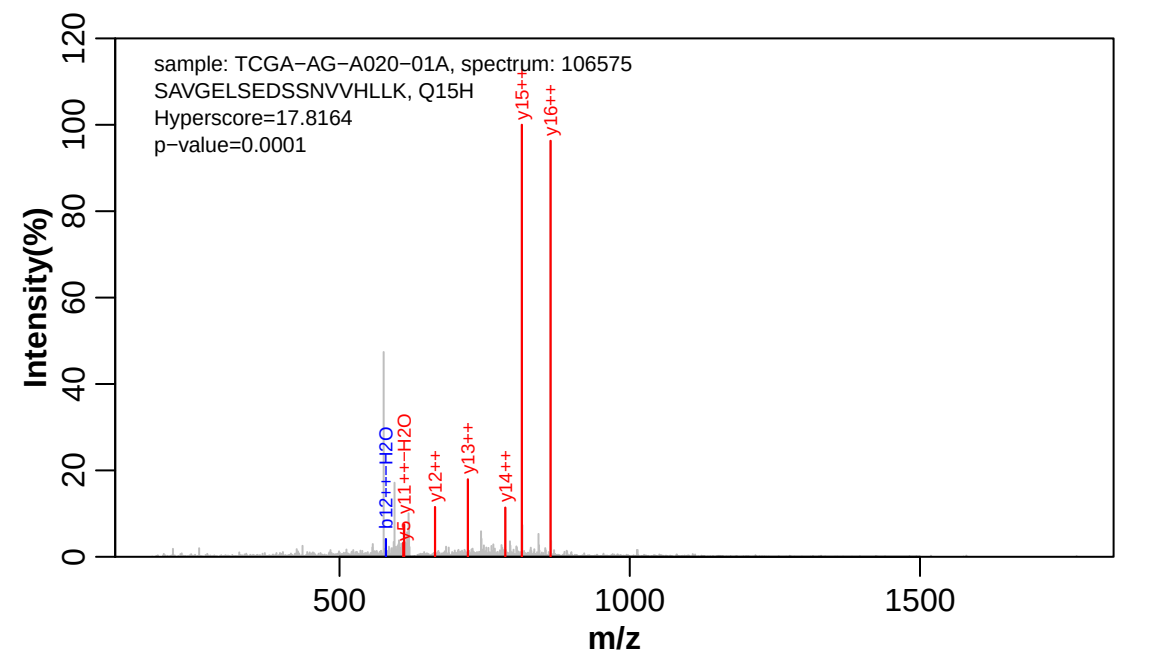

sample: TCGA−AG−A020−01A, spectrum: 10235
MQYAPNTQVELLPQGR, H16R
Hyperscore=40.5062
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y8
y12
b12
b11
y13
y14
b3
y4−H2O
b4
b4−NH3
y7−H2O
y8−H2O
b10
b10−NH3
b11−H2O−NH3
b12−NH3
y12−H2O−NH3

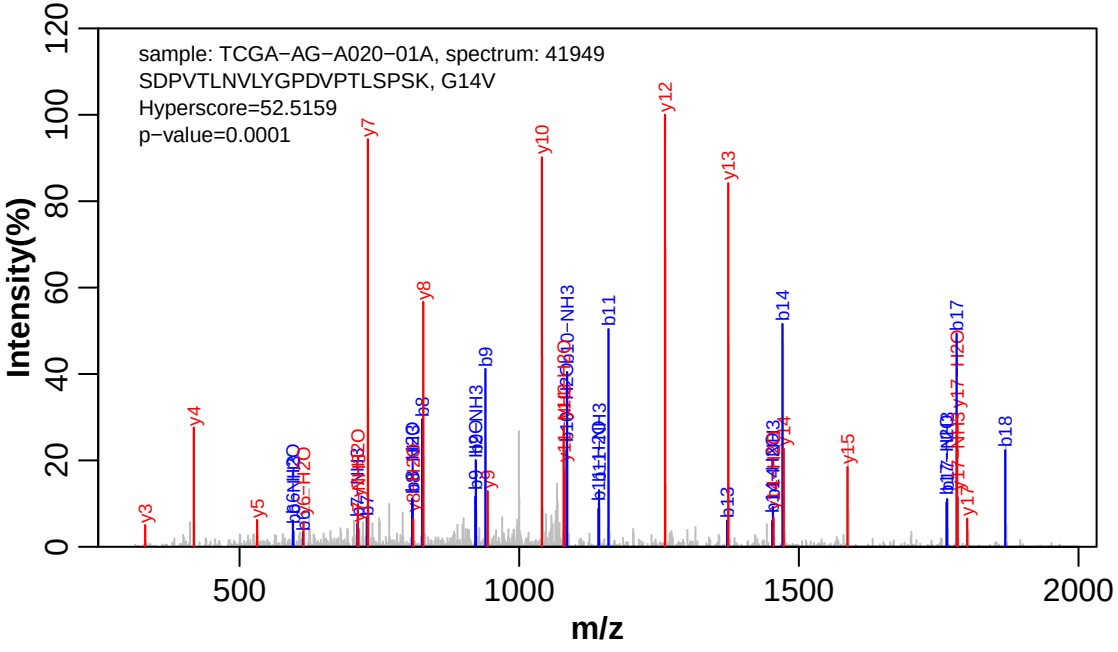

sample: TCGA−AG−A020−01A, spectrum: 93095
NEVLWHPTLNLPLSPQGTVR, A3V
Hyperscore=51.9218
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y9++
b11++
b11
y10++
b10
b9
b4
y6++
b3
y9++−H2O
b10++−NH3
b5
b11++−H2O
y7
b14++
b13++
b8
y14++−H2O
y15++
b14++−NH3
b7
y8−H2O
y16
y16++−H2O
y9−H2O
y17++−NH3
y17++−H2O
b18++−H2O
y18++
y10++−NH3
y10++−H2O

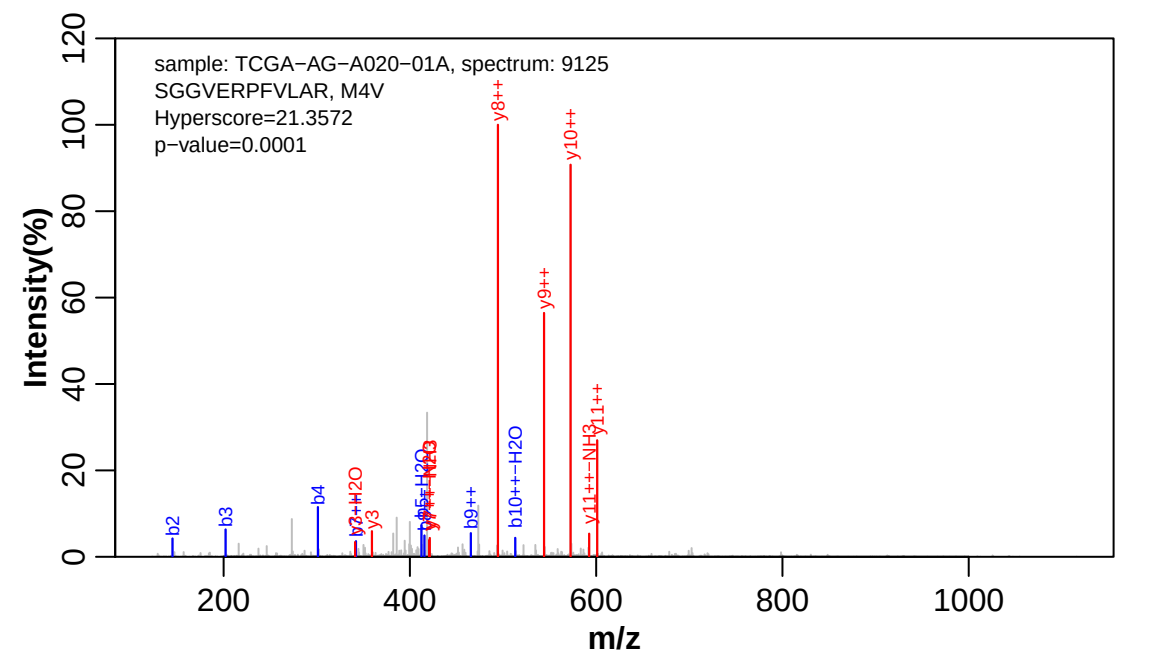

sample: TCGA−AG−A020−01A, spectrum: 26377
NPLLDLAAYDQEGR, R3L
Hyperscore=47.9627
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y6
y8
y10
y5
b8
b7
b9
y9
y11
b10
y4
b5
b11
b12
y12
b13
y7−NH3
y8−H2O
y10−NH3
b4−NH3

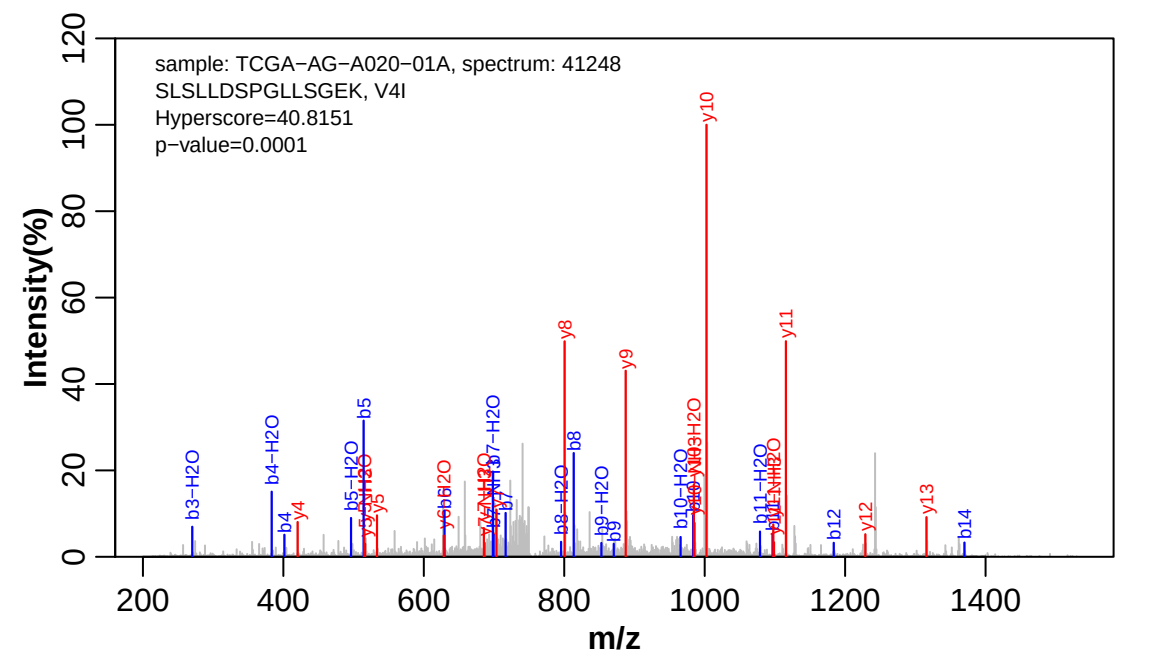

sample: TCGA−AG−A020−01A, spectrum: 46847
NTVLATWQPYSTSK, T11S
Hyperscore=55.5391
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y6−H2O
b7−H2O
b7−NH3
b7
y7
b8
y8
y8−H2O
y9
y9−NH3
y10
y11
b12−H2O
b12
y12
b13
b3−H2O
b3
y3
b4−H2O
b4
b5
b6

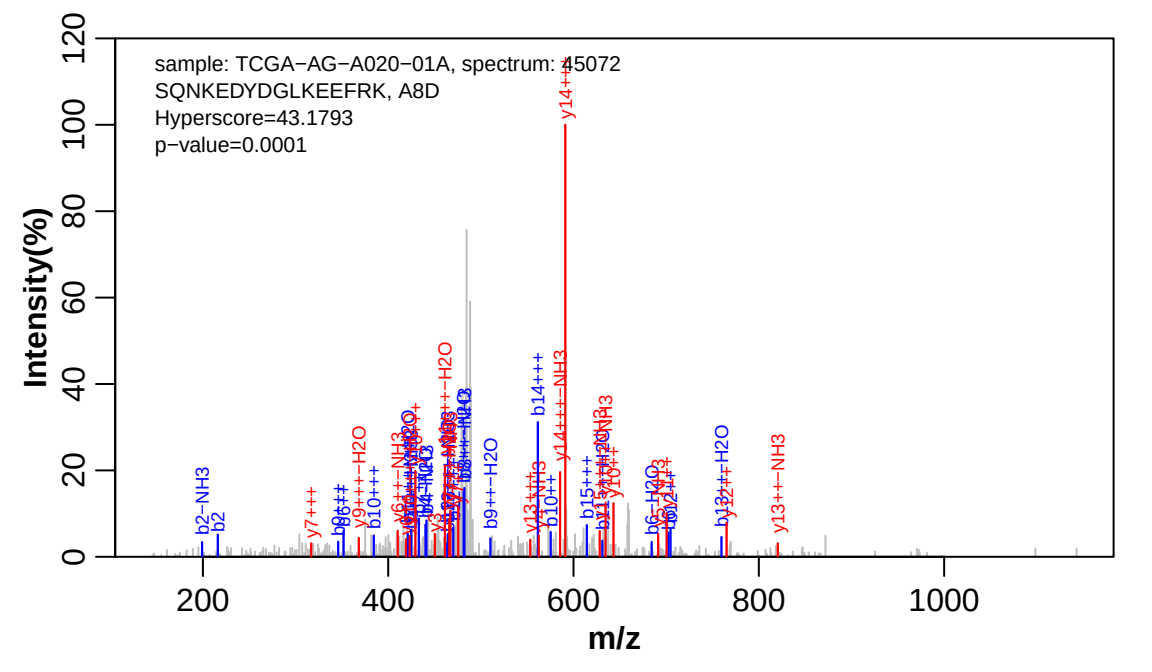

sample: TCGA−AG−A020−01A, spectrum: 5744
RLEGLLEGLGLR, G7E
Hyperscore=43.8196
p−value=0.0034
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y2
y6++
b6++
y3
y7++
b7++−H2O
b7++
b8++−H2O
b8++
y4
b9++−H2O
b9++
b10+−y5
b5−NH3
y11++−NH3
b5
y6
b6
b8

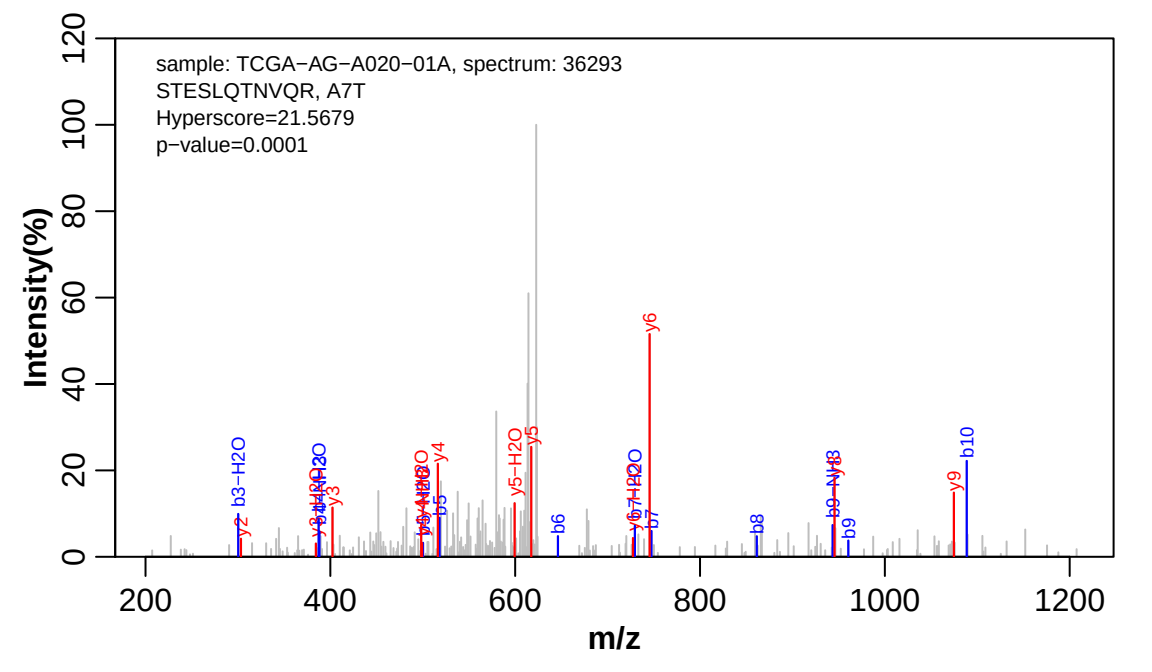

sample: TCGA−AG−A020−01A, spectrum: 106575
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.8164
p−value=0.0001
y15++
y16++
b12++−H2O
y5
y11++−H2O
y12++
y13++
y14++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

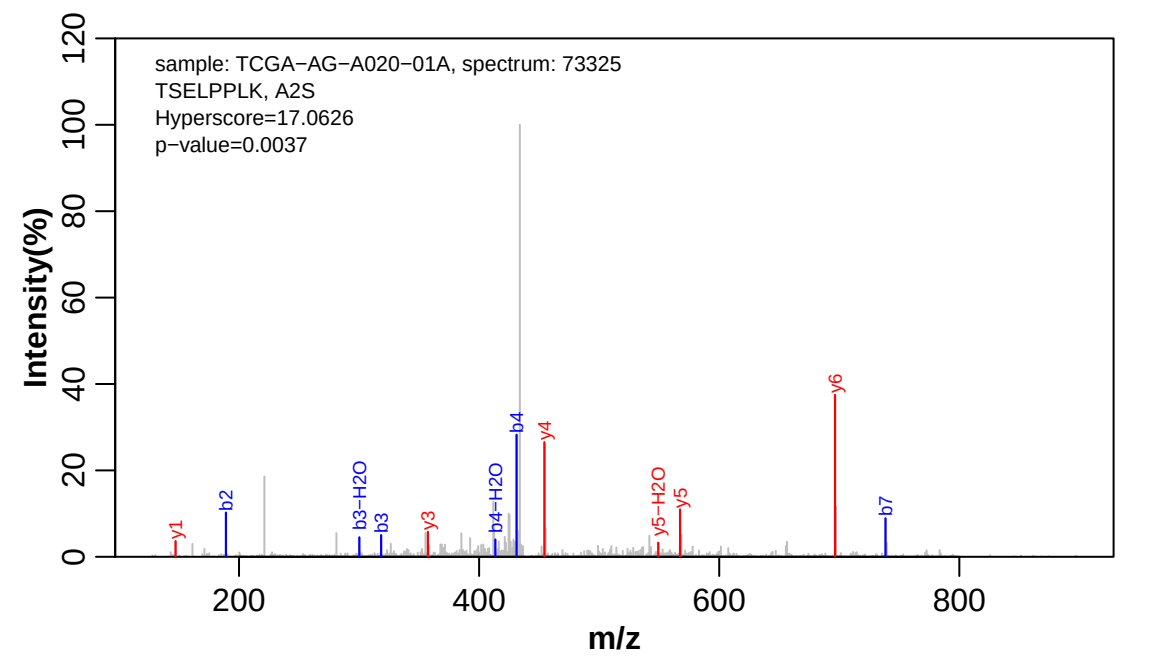

sample: TCGA−AG−A020−01A, spectrum: 41949
SDPVTLNVLYGPDVPTLSPSK, G14V
Hyperscore=52.5159
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y12
y13
y7
y10
y8
y4
y5
y3
y15
y14
b11
b14
b9
b18
b17
b13

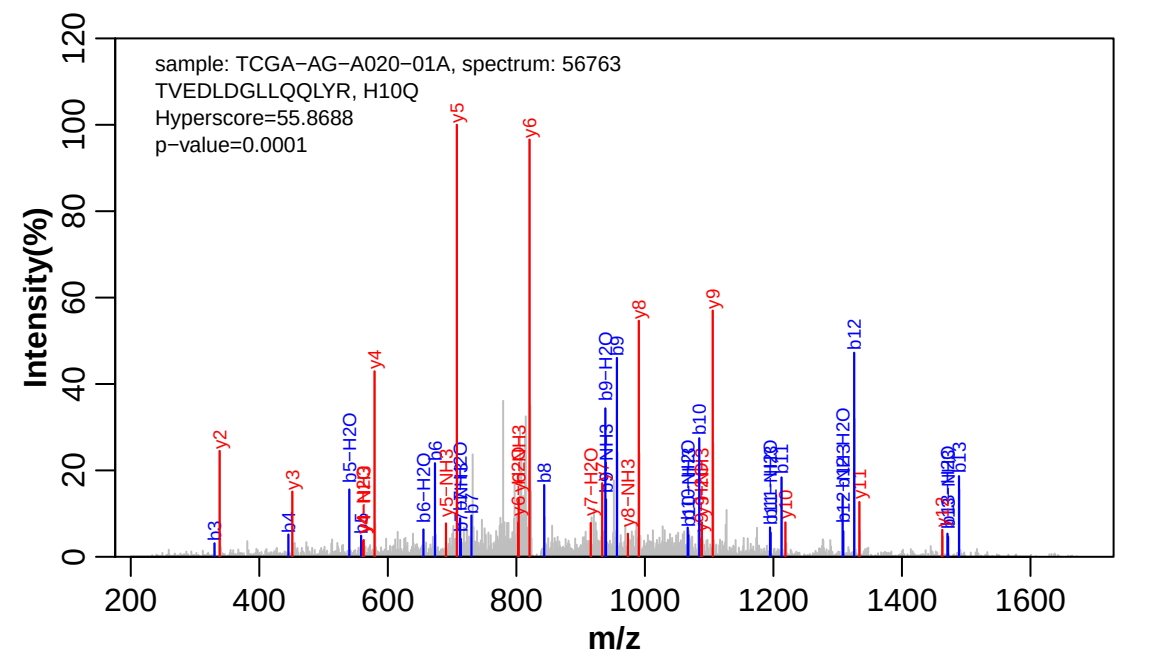

sample: TCGA−AG−A020−01A, spectrum: 9125
SGGVERPFVLAR, M4V
Hyperscore=21.3572
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
b4
y3
b9++
y8++
y9++
y10++
y11++
b10++−H2O
y11++−NH3

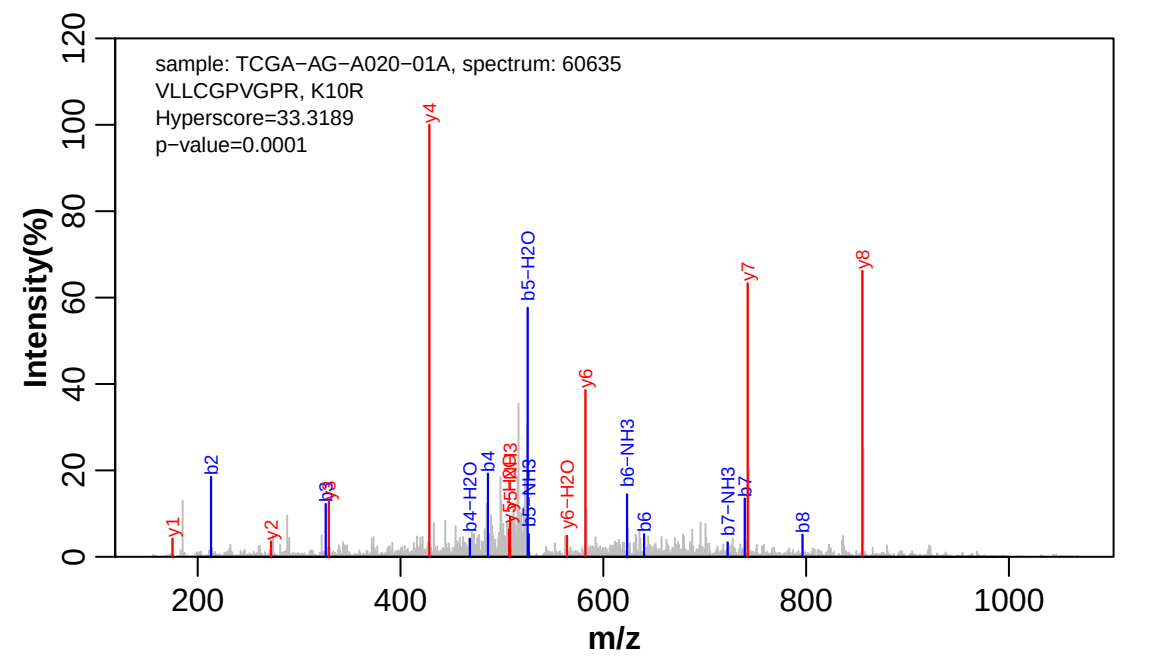

sample: TCGA−AG−A020−01A, spectrum: 41248
SLSLLDSPGLLSGEK, V4I
Hyperscore=40.8151
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y10
y8
y9
y11
y13
y12
b3−H2O
b4−H2O
b4
y4
b5−H2O
b5
y5
b8
b8−H2O
b9−H2O
b10−H2O
b11−H2O
b12
b14

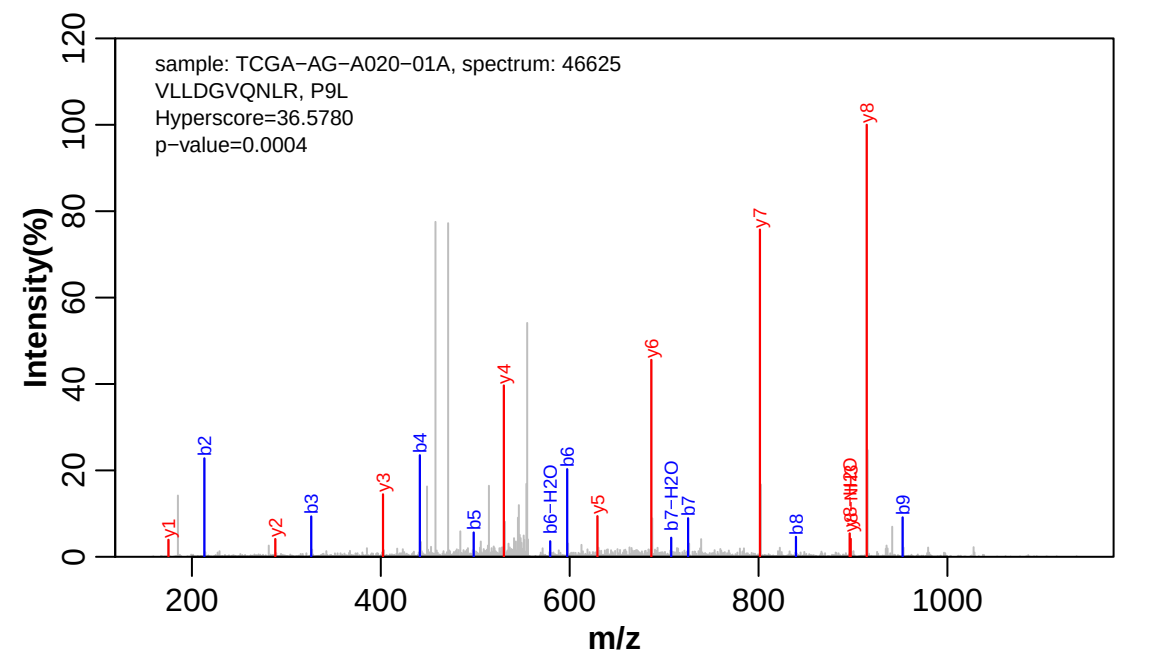

sample: TCGA−AG−A020−01A, spectrum: 45072
SQNKEDYDGLKEEFRK, A8D
Hyperscore=43.1793
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2−NH3
b2
y7+++
y9+++−H2O
b10+++
b9++−H2O
b14+++
y13+++
y14+++−NH3
b10++
b15+++
y14++−NH3
b6−H2O
b12++−H2O
y13++−NH3

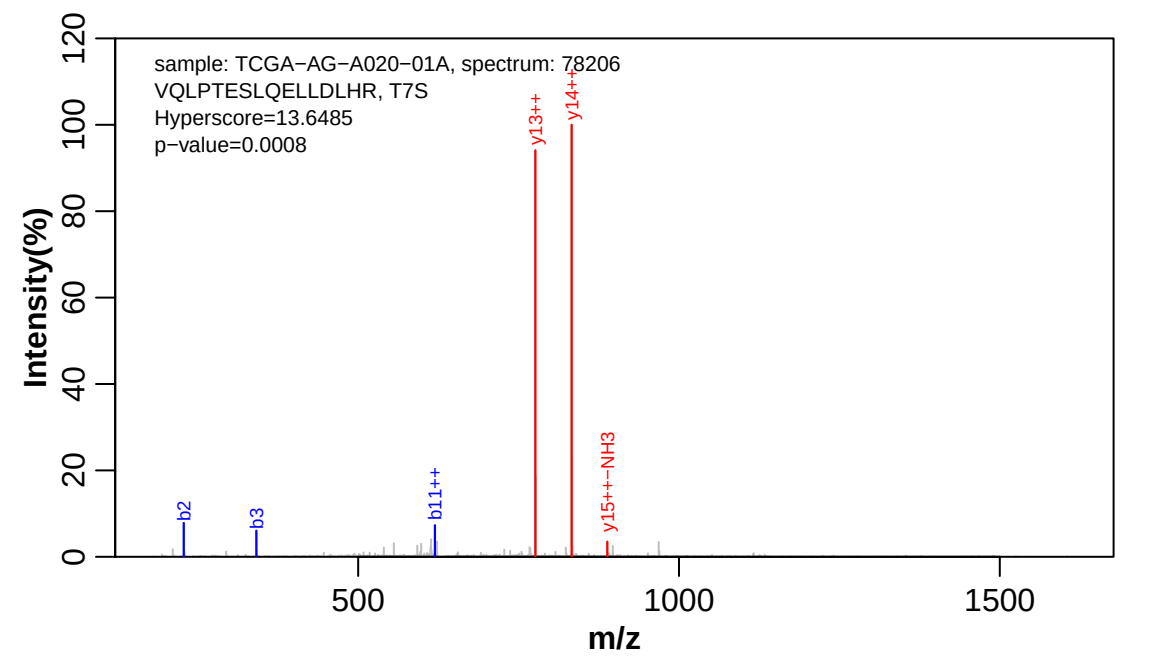

sample: TCGA−AG−A020−01A, spectrum: 36293
STESLQTNVQR, A7T
Hyperscore=21.5679
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
y4
b5
y5−H2O
y5
b6
y6
b7
b8
b9
y9
b10

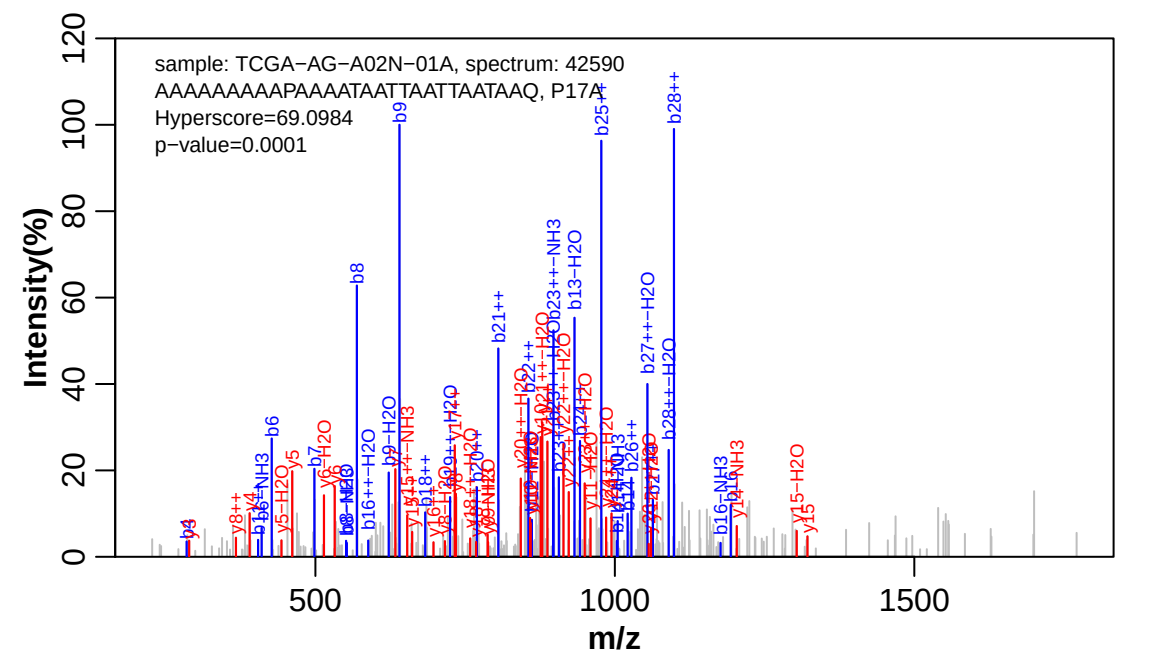

sample: TCGA−AG−A020−01A, spectrum: 73325
TSELPPLK, A2S
Hyperscore=17.0626
p−value=0.0037
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2
b3−H2O
b3
y3
b4−H2O
b4
y4
y5−H2O
y5
y6
b7

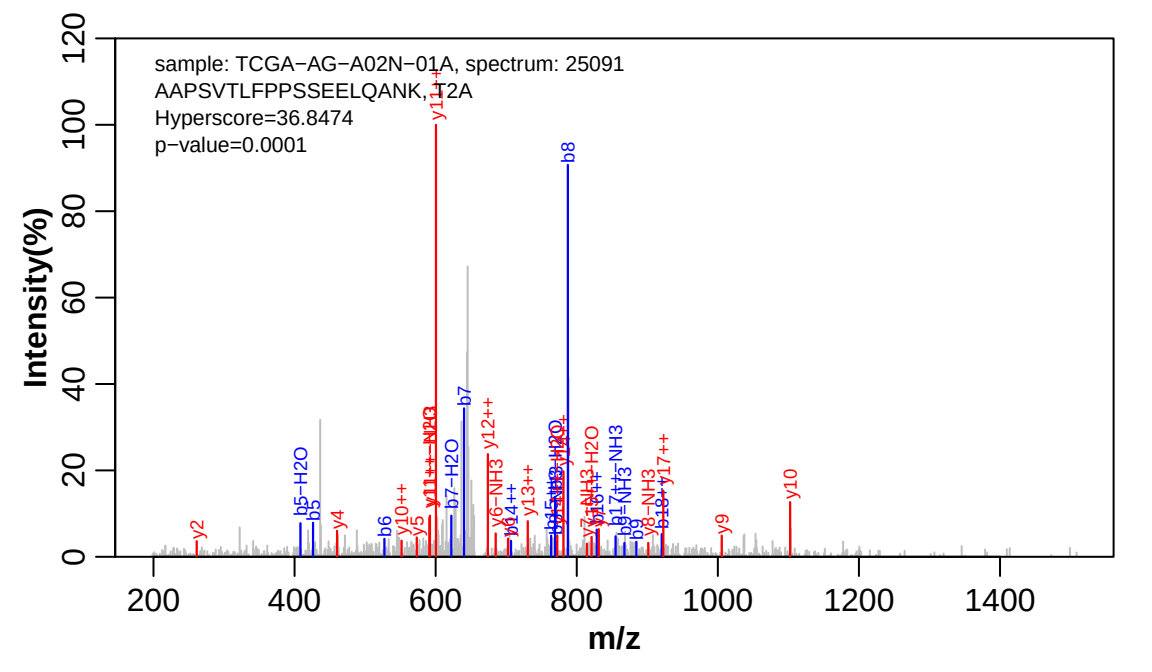

sample: TCGA−AG−A020−01A, spectrum: 56763
TVEDLDGLLQQLYR, H10Q
Hyperscore=55.8688
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y2
b4
y3
b5−H2O
y5−NH3
y4
b6−H2O
y5
b7
y6−H2O
y6−NH3
y6
b8
y7−H2O
b9−H2O
b9
y8−NH3
y8
b10
y9
b11
y10
b12
y11
b13

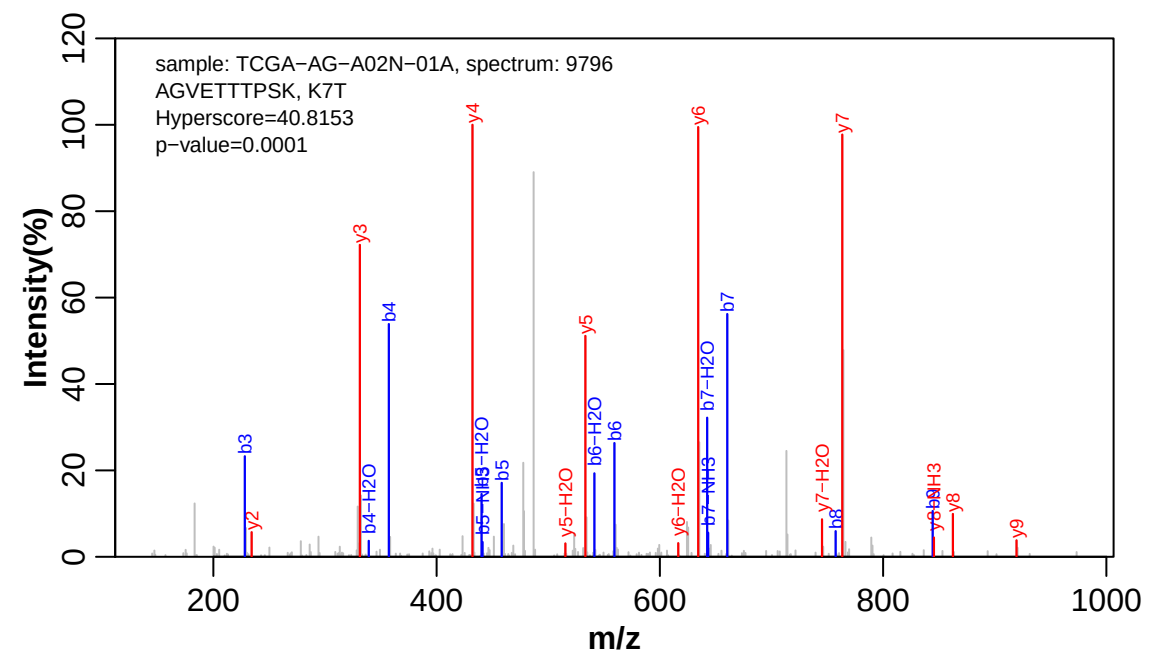

sample: TCGA−AG−A020−01A, spectrum: 60635
VLLCGPVGPR, K10R
Hyperscore=33.3189
p−value=0.0001
Intensity(%)
m/z
y4
b5−H2O
y8
y7
y6
b6−NH3
b4
b4−H2O
y6−H2O
b6
b7−NH3
b7
b8
b2
y2
y1
b3
b5−NH3
y5−H2O
y5−NH3
0
20
40
60
80
100
120
200
400
600
800
1000

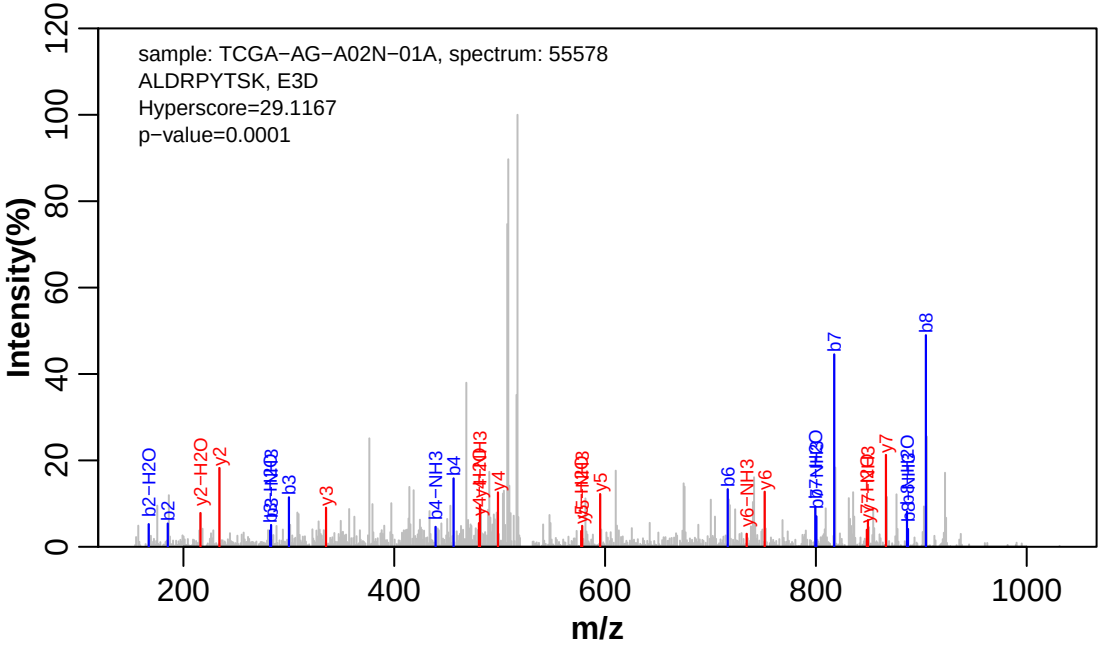

sample: TCGA−AG−A020−01A, spectrum: 46625
VLLDGVQNLR, P9L
Hyperscore=36.5780
p−value=0.0004
Intensity(%)
m/z
y1
b2
y2
b3
y3
b4
b5
y4
b6−H2O
b6
y5
y6
b7−H2O
b7
b8
y7
y8
b9

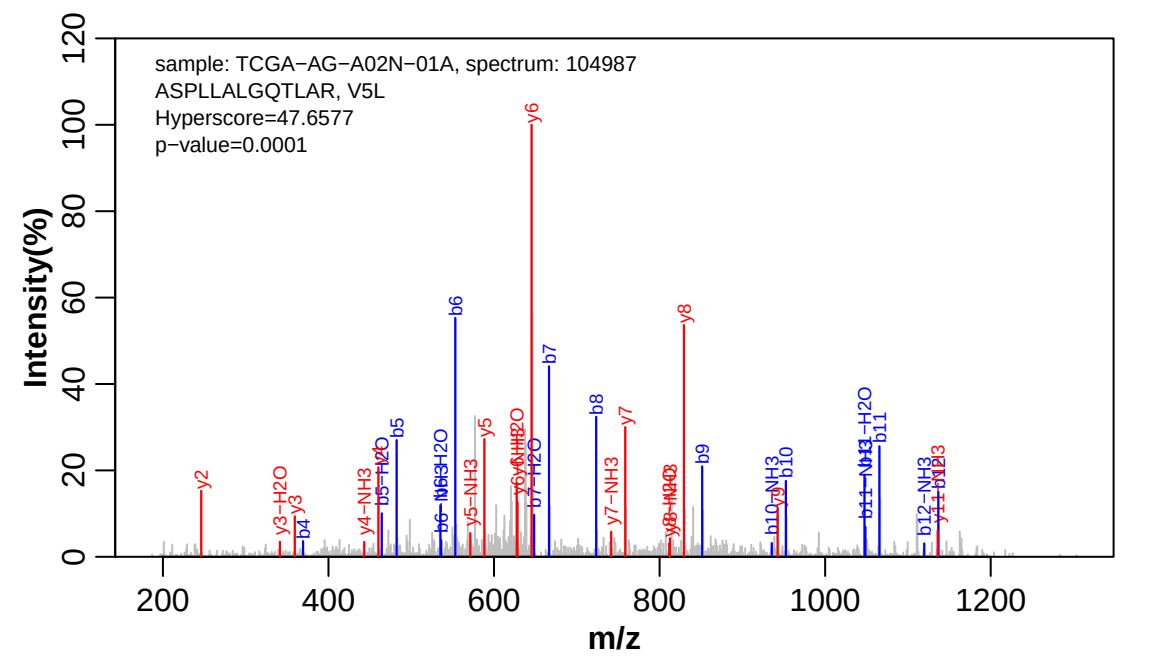

sample: TCGA−AG−A020−01A, spectrum: 78206
VQLPTESLQELLDLHR, T7S
Hyperscore=13.6485
p−value=0.0008
y13++
y14++
y15++−NH3
b11++
b2
b3
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

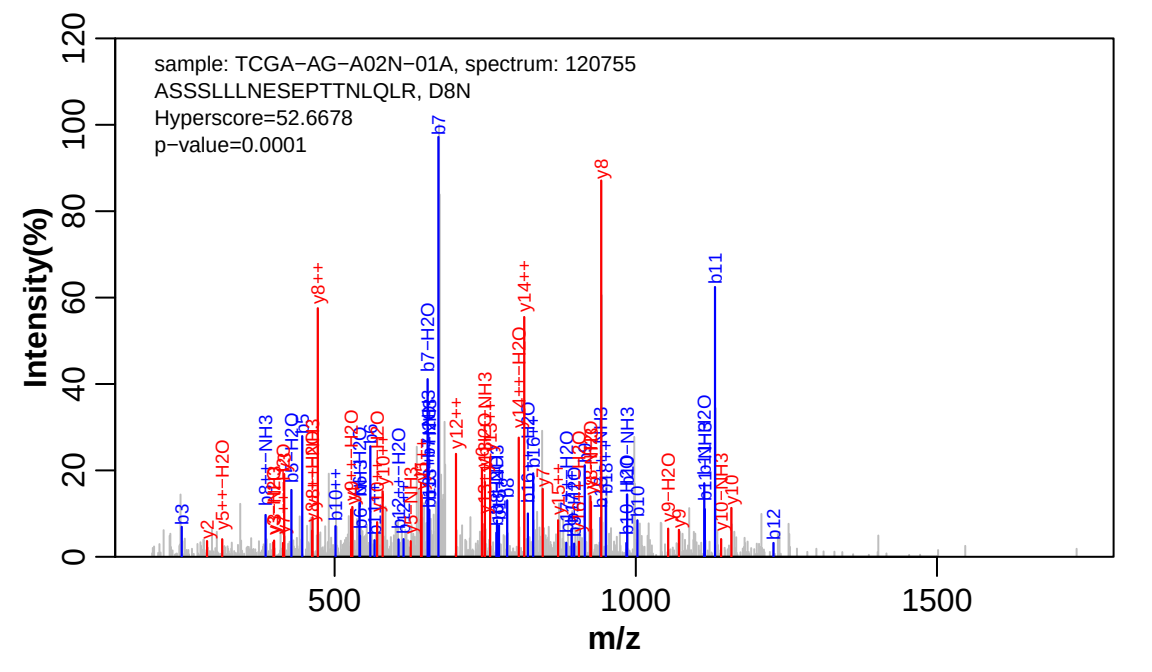

sample: TCGA−AG−A02N−01A, spectrum: 42590
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=69.0984
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b9
b25++
b28++
b8
b21++
b13−H2O
b23++−NH3
b27++−H2O
b28++−H2O
b6
y5
y5−H2O
b7
y6−H2O
b16++−H2O
b9−H2O
b9−NH3
y15++−NH3
b18++
y15−H2O
y15

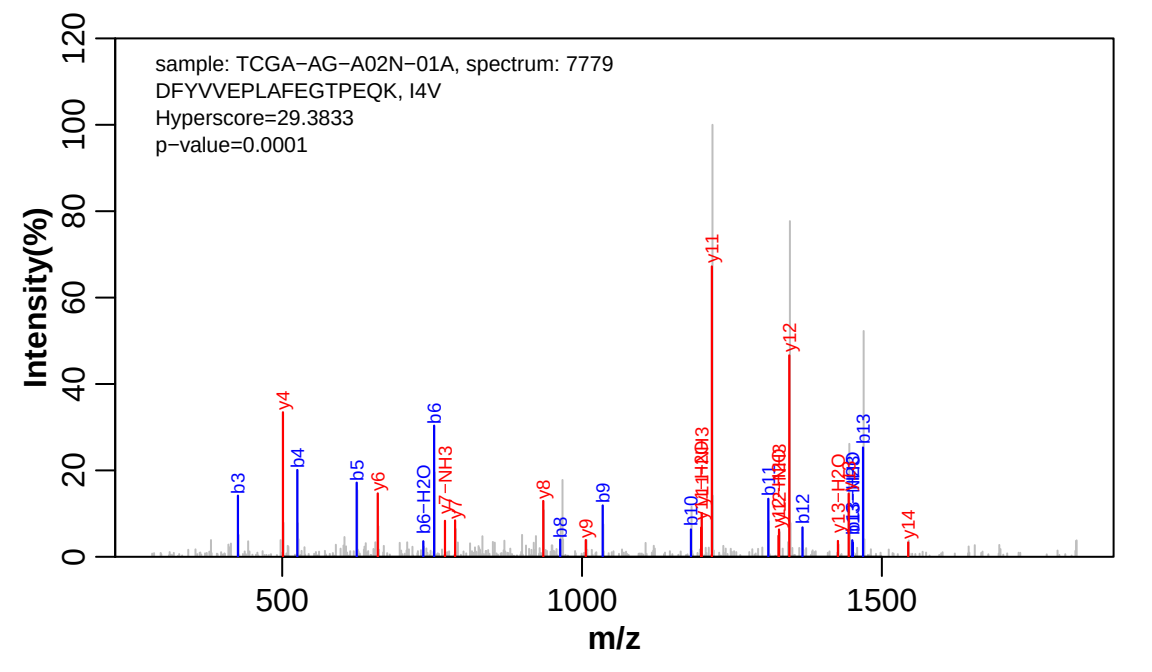

sample: TCGA−AG−A02N−01A, spectrum: 25091
AAPSVTLFPPSSEELQANK, +2A
Hyperscore=36.8474
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y2
b5−H2O
b5
y4
b6
y10++
y5
y11++
b7
b7−H2O
y11++
y12++
y6−NH3
y14++
y13++
b8
y7−NH3
y7−H2O
y16++
b17−NH3
b9
y8−NH3
b10
y17++
y9
y10
y11++

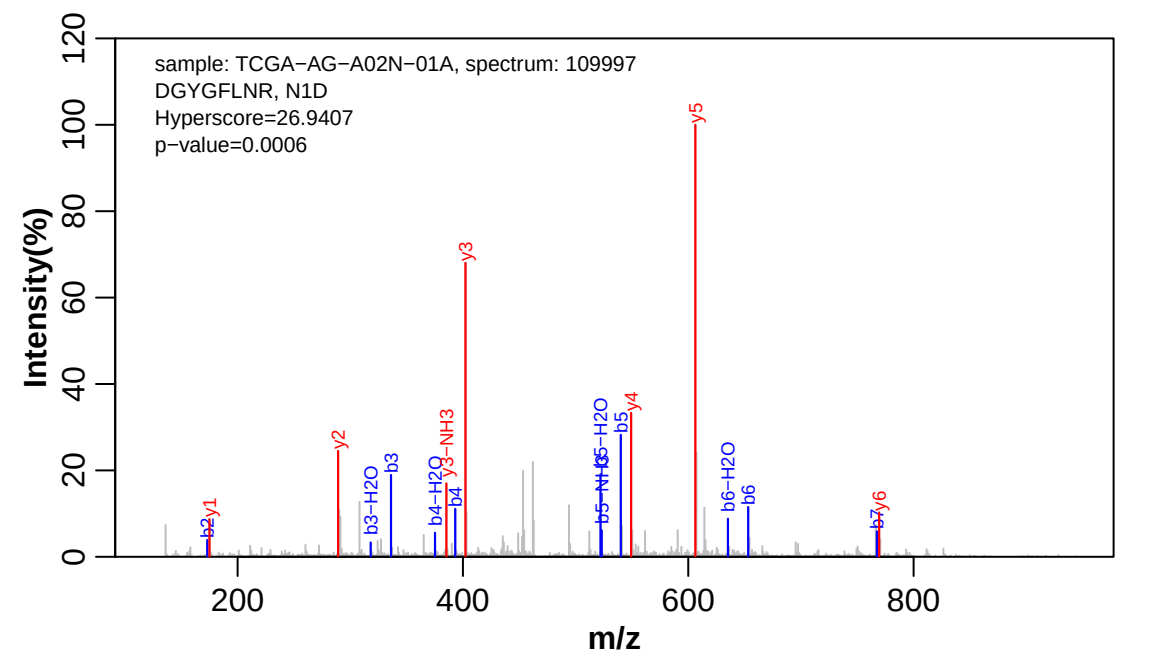

sample: TCGA−AG−A02N−01A, spectrum: 9796
AGVETTTPSK, K7T
Hyperscore=40.8153
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y4
y6
y7
y3
b4
y5
b7
b3
y2
b4−H2O
b5−NH3
b5−H2O
b5
y5−H2O
b6−H2O
b6
y6−H2O
b7−NH3
b7−H2O
y7−H2O
b8
y8
y9

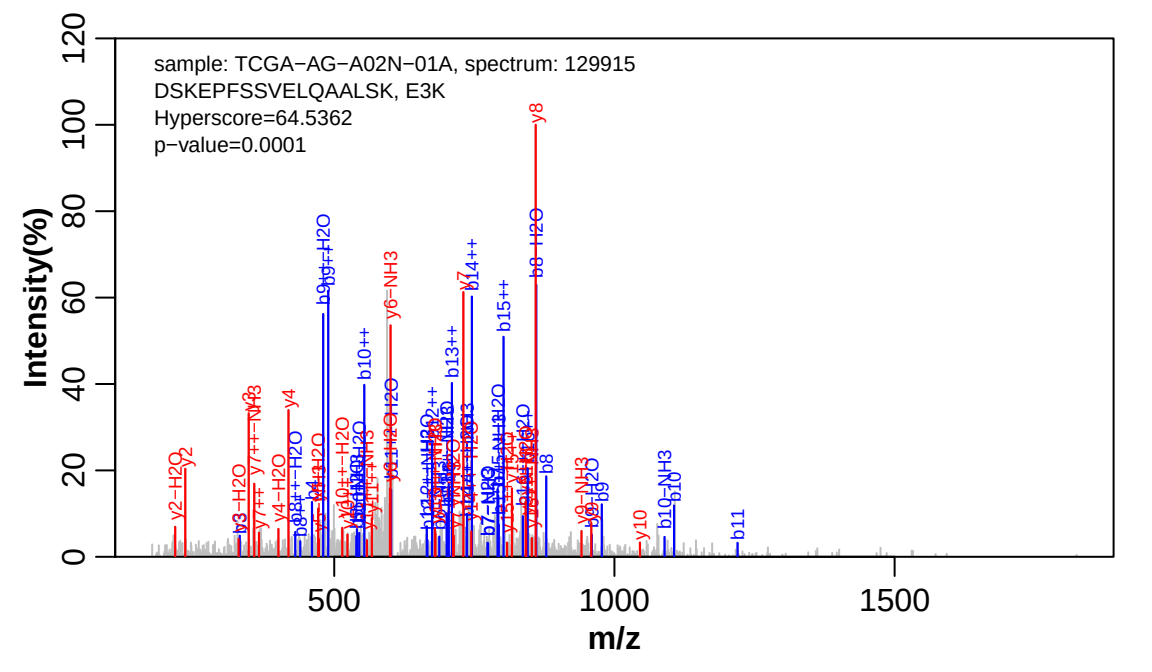

sample: TCGA−AG−A02N−01A, spectrum: 55578
ALDRPYTSK, E3D
Hyperscore=29.1167
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2−H2O
b2
y2−H2O
y2
b3
y3
b4−NH3
b4
y4
b6
y6−NH3
y6
b7
y7
b8

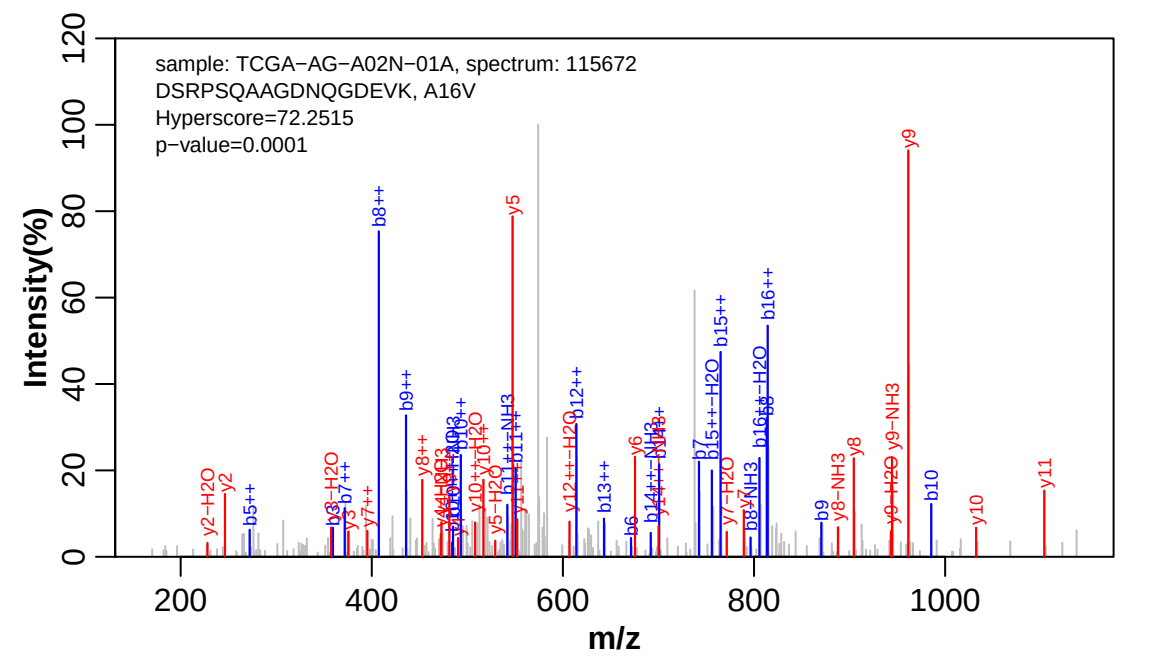

sample: TCGA−AG−A02N−01A, spectrum: 104987
ASPLLALGQTLAR, V5L
Hyperscore=47.6577
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y6
b6
y8
b7
b8
y7
y5
y2
b9
b5
b10
b11
b12
b4
y4−NH3
y3−H2O
y3
y7−NH3
y7−H2O
b10−NH3
b11−H2O
b12−NH3

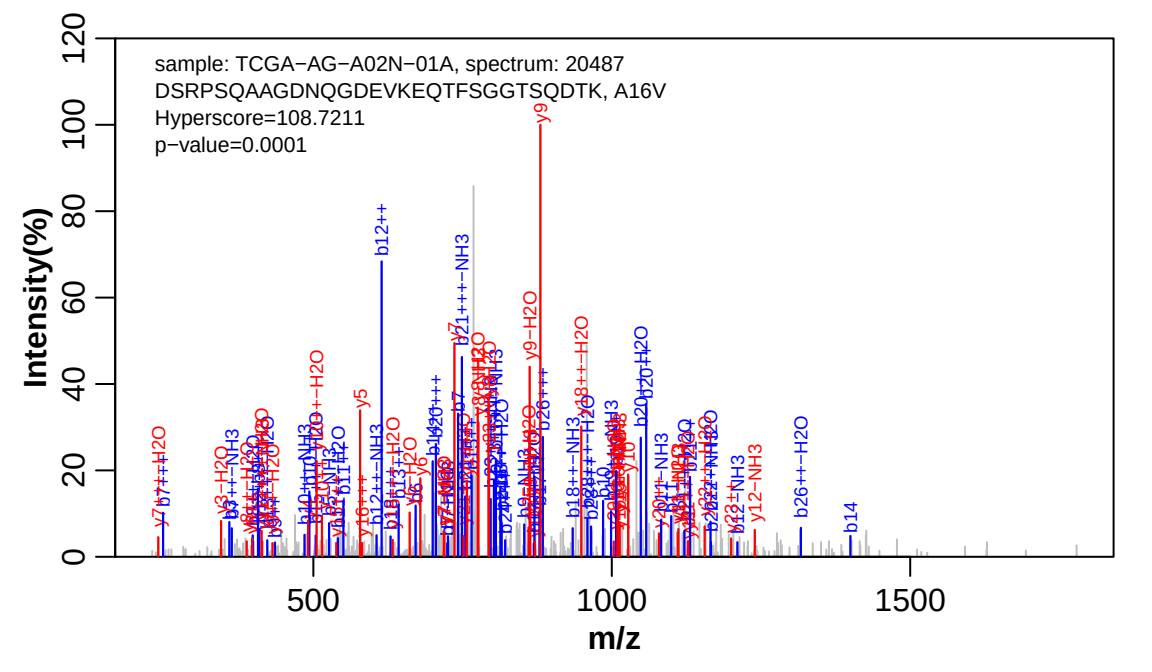

sample: TCGA−AG−A02N−01A, spectrum: 120755
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=52.6678
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b7
y8
y8++
b11
y14++
b7−H2O
y14++−H2O
y12++
b3
y2
y5++−H2O
b8++−NH3
b10++
y9−H2O
y10−NH3
b12

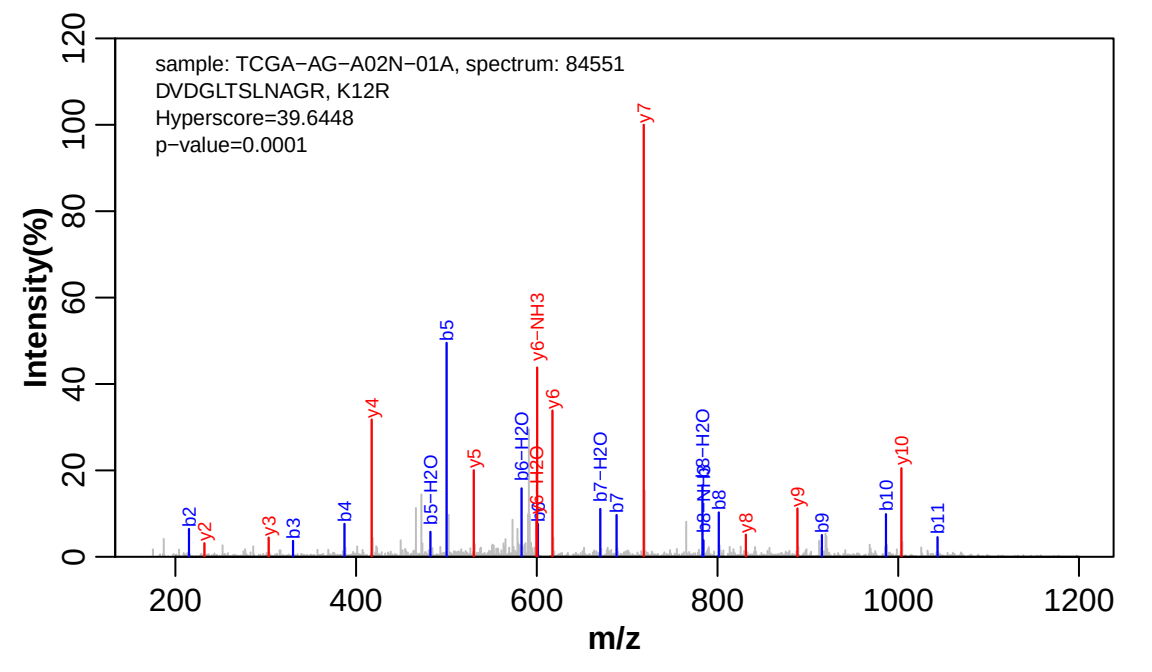

sample: TCGA−AG−A02N−01A, spectrum: 7779
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=29.3833
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
b5
y6
b6
b6−H2O
y7−NH3
y7
y8
b8
y9
b9
b10
y11
y11−H2O
y11−NH3
b11
y12−H2O
y12−NH3
y12
b12
b13
y13−H2O
y13−NH3
y14

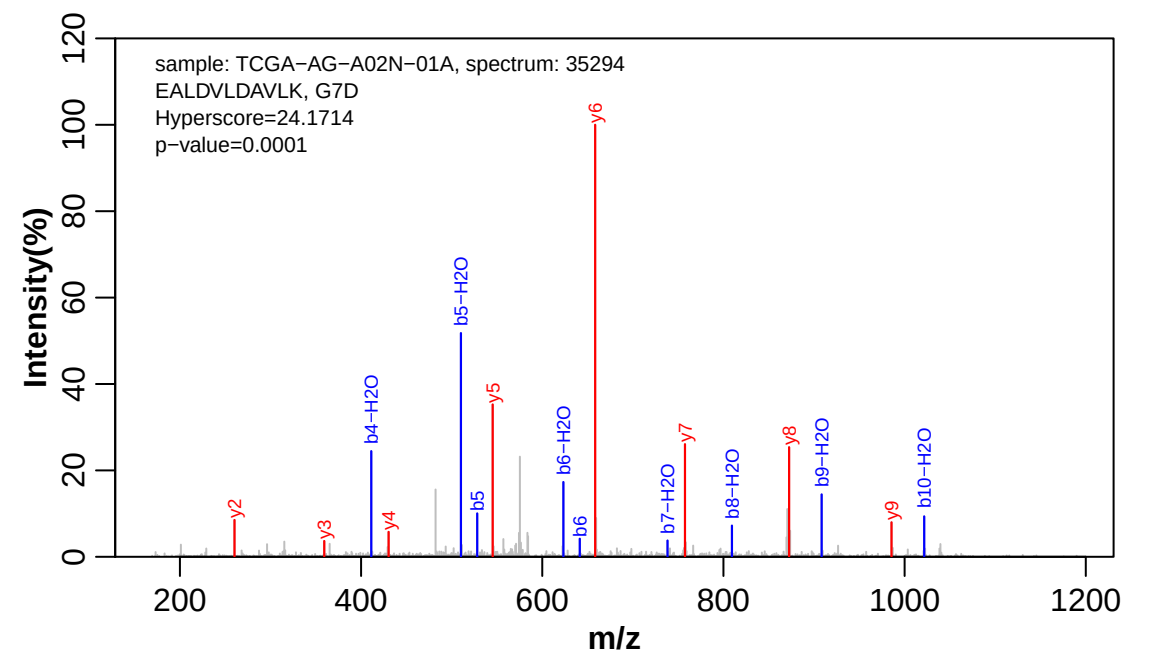

sample: TCGA−AG−A02N−01A, spectrum: 109997
DGYGFLNR, N1D
Hyperscore=26.9407
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y5
y3
y2
y4
b5
b3
b6
b4
b2
y1
y6
b7
y3−NH3
b4−H2O
b3−H2O
b5−H2O
b6−H2O
b5−NH3

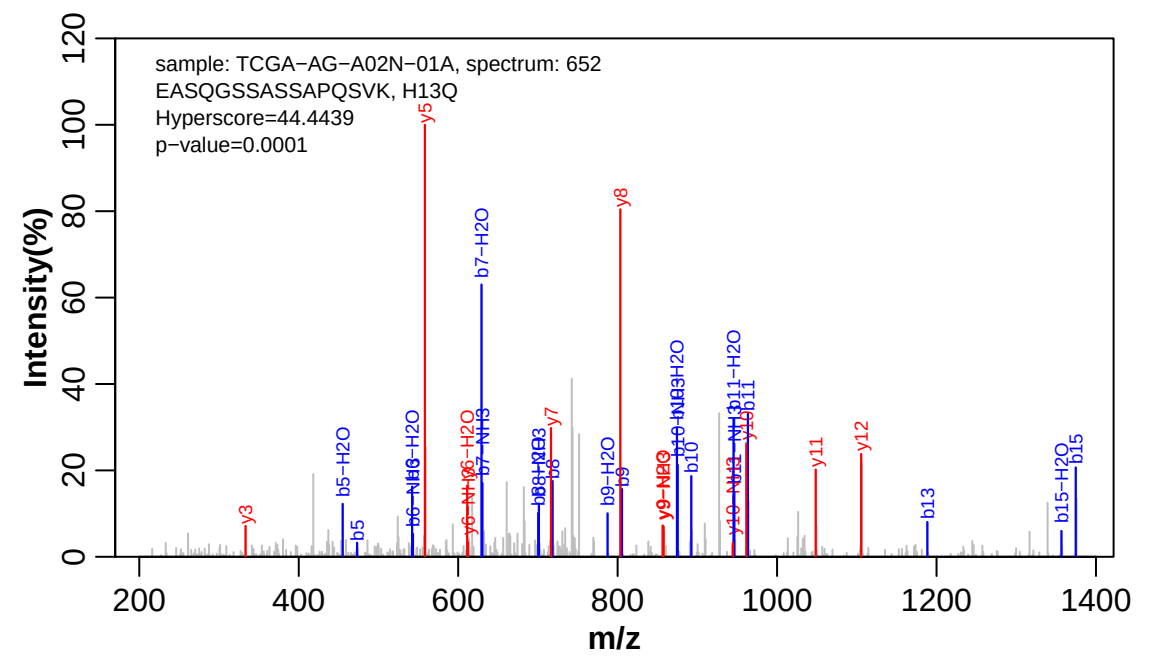

sample: TCGA−AG−A02N−01A, spectrum: 129915
DSKEPFSSVELQAALSK, E3K
Hyperscore=64.5362
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y8−H2O
y6−NH3
b14++
b15++
b13++
b10++
b9++−H2O
y7++
y4
y2
y2−H2O
b3−H2O
y4−H2O
b8
y8−NH3
b9
y10
b10−NH3
b11

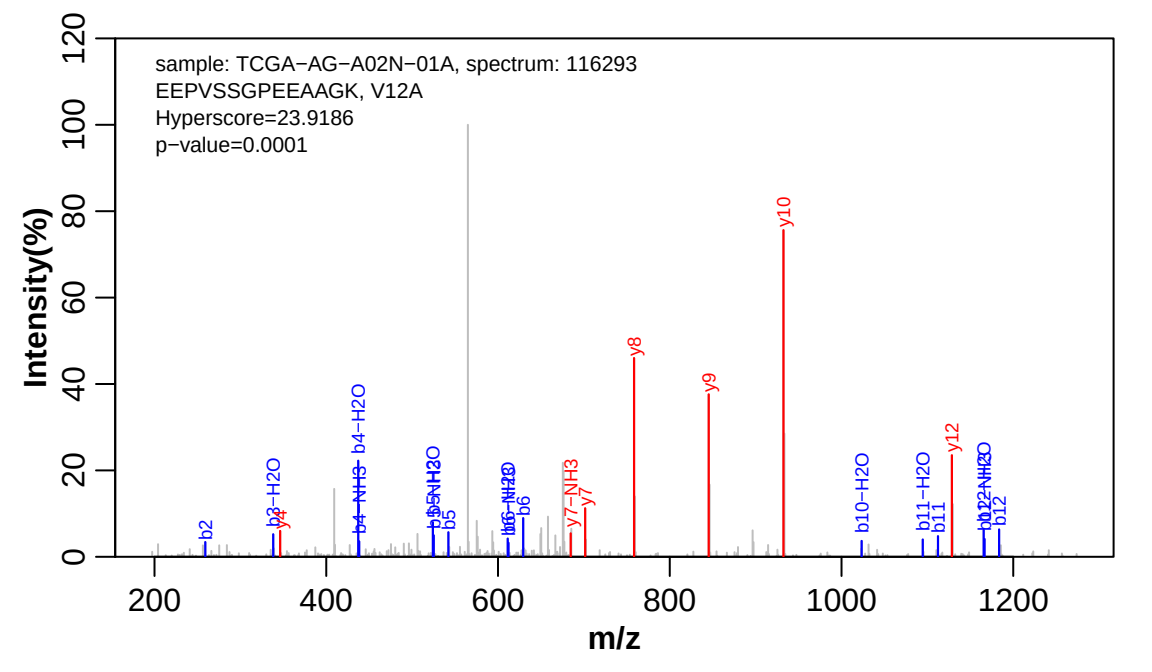

sample: TCGA−AG−A02N−01A, spectrum: 115672
DSRPSQAAGDNQGDEVK, A16V
Hyperscore=72.2515
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
y2−H2O
y2
b5++
b8++
b9++
y8++
y5
y12++−H2O
b12++
b13++
y9
y9−NH3
y11
b10
y10
b15++
b15++−H2O
b16++
y8
y8−NH3
b9
y7
y7−H2O
b7++
y3
y7++

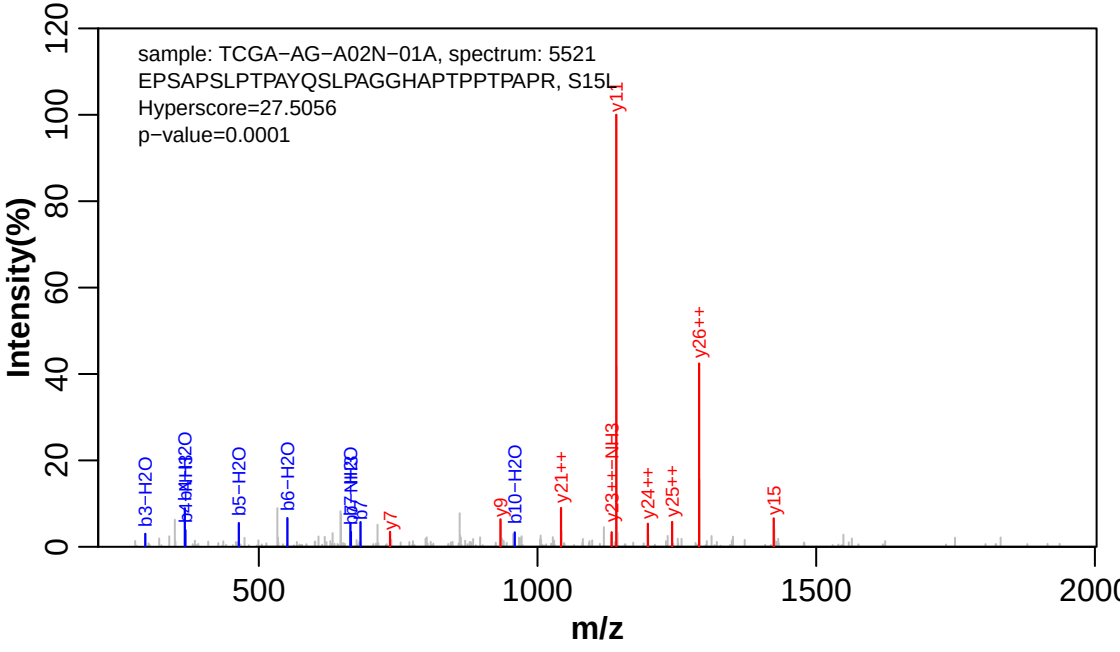

sample: TCGA−AG−A02N−01A, spectrum: 20487
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=108.7211
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y9
y7
b12++
y9−H2O
b26++−H2O
b14
y12−NH3

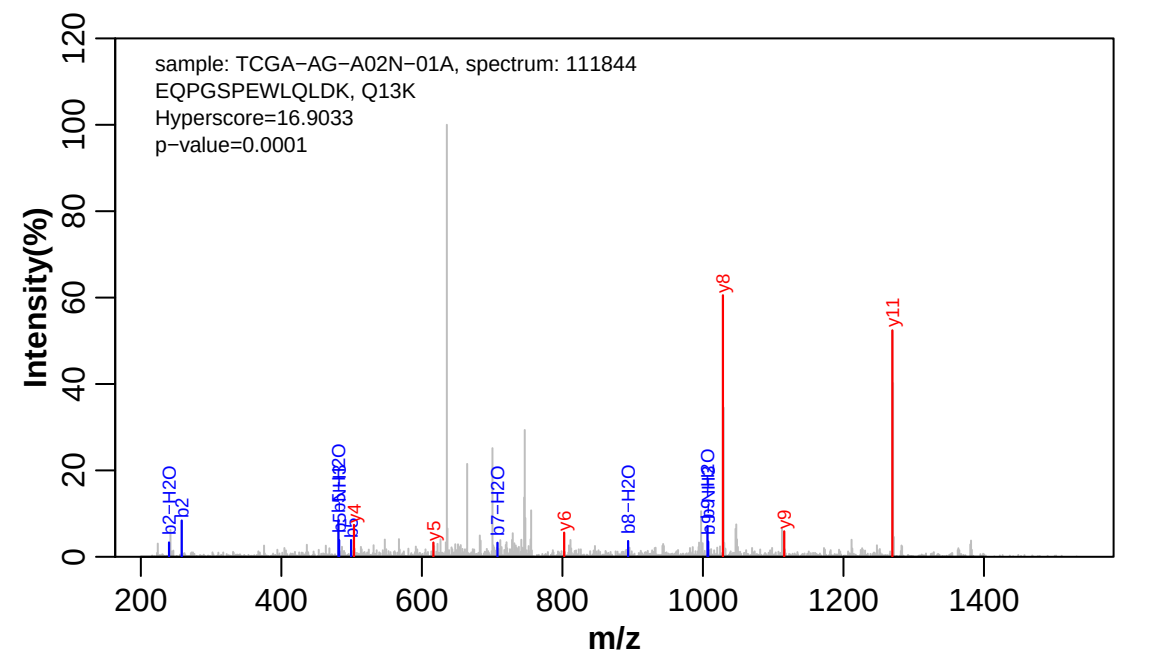

sample: TCGA−AG−A02N−01A, spectrum: 84551
DVDGLTSLNAGR, K12R
Hyperscore=39.6448
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b3
b4
b5−H2O
b5
y4
y5
b6−H2O
y6−NH3
y6
b7−H2O
b7
b8−NH3
b8−H2O
b8
y8
y9
b9
b10
y10
b11
y7

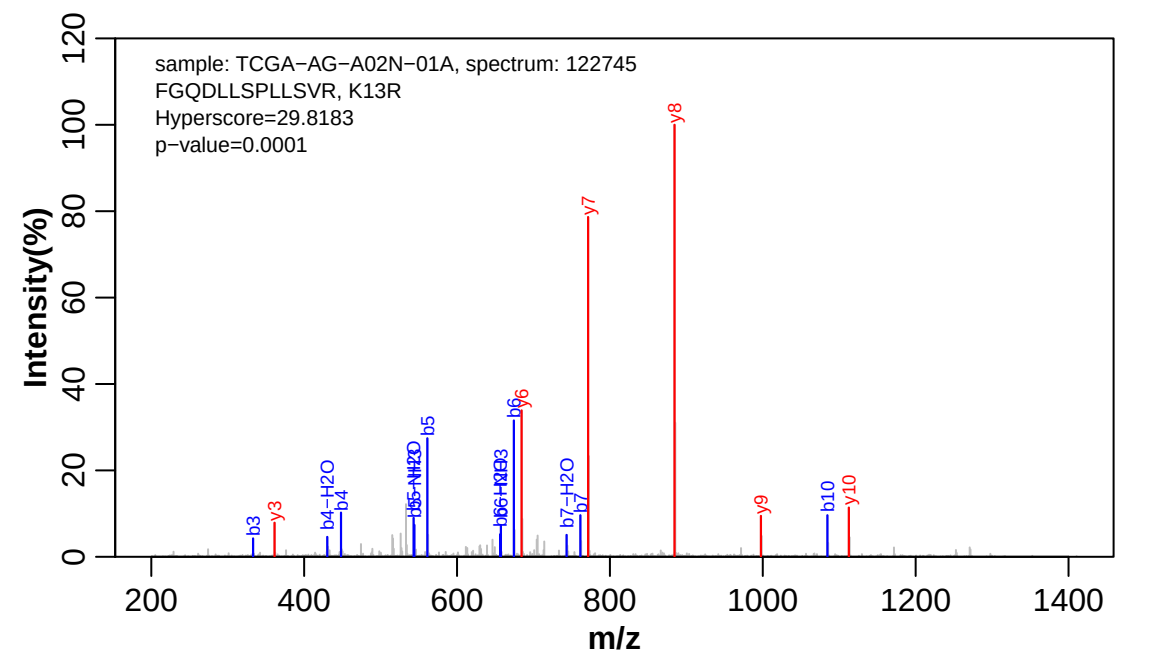

sample: TCGA−AG−A02N−01A, spectrum: 35294
EALDVLDAVLK, G7D
Hyperscore=24.1714
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
y7
b8−H2O
y8
b9−H2O
y9
b10−H2O

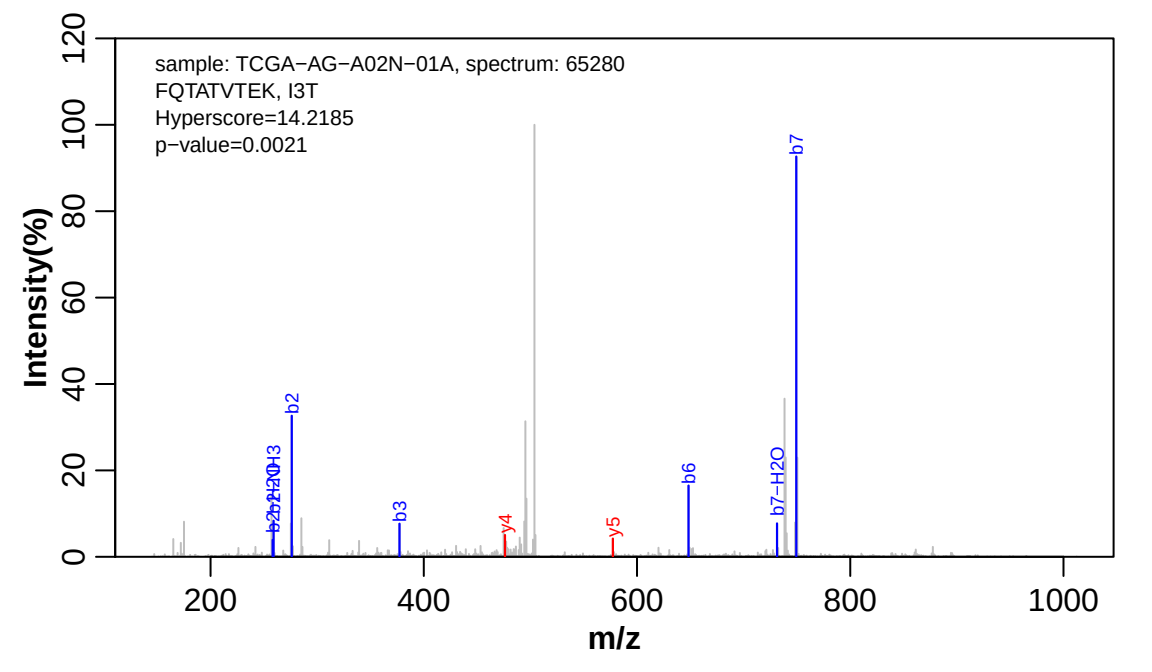

sample: TCGA−AG−A02N−01A, spectrum: 652
EASQGSSASSAPQSVK, H13Q
Hyperscore=44.4439
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y5
y8
b7−H2O
b5−H2O
b6−H2O
y6−H2O
y7
b9−H2O
b9
b10
y11
y12
b13
b15−H2O
b15
y3
b5

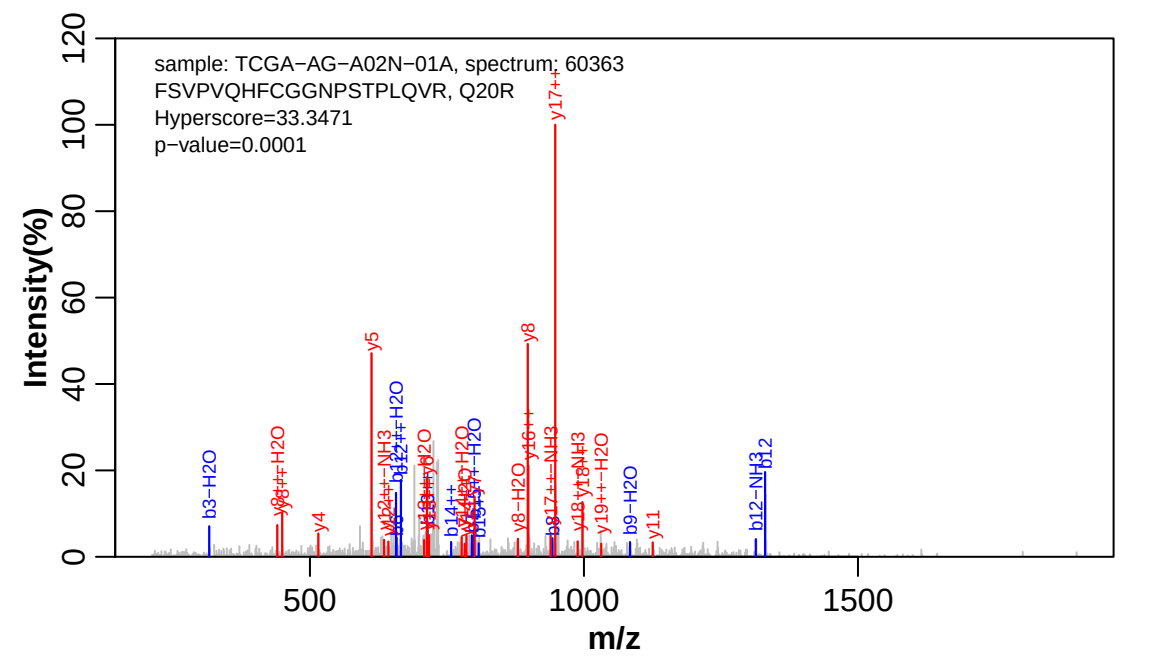

sample: TCGA−AG−A02N−01A, spectrum: 116293
EEPVSSGPEEAAGK, V12A
Hyperscore=23.9186
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3−H2O
y4
b4−NH3
b4−H2O
b5−NH3
b5−H2O
b5
b6−NH3
b6−H2O
b6
y7−NH3
y7
y8
y9
y10
b10−H2O
b11−H2O
b11
y12
b12−NH3
b12−H2O
b12

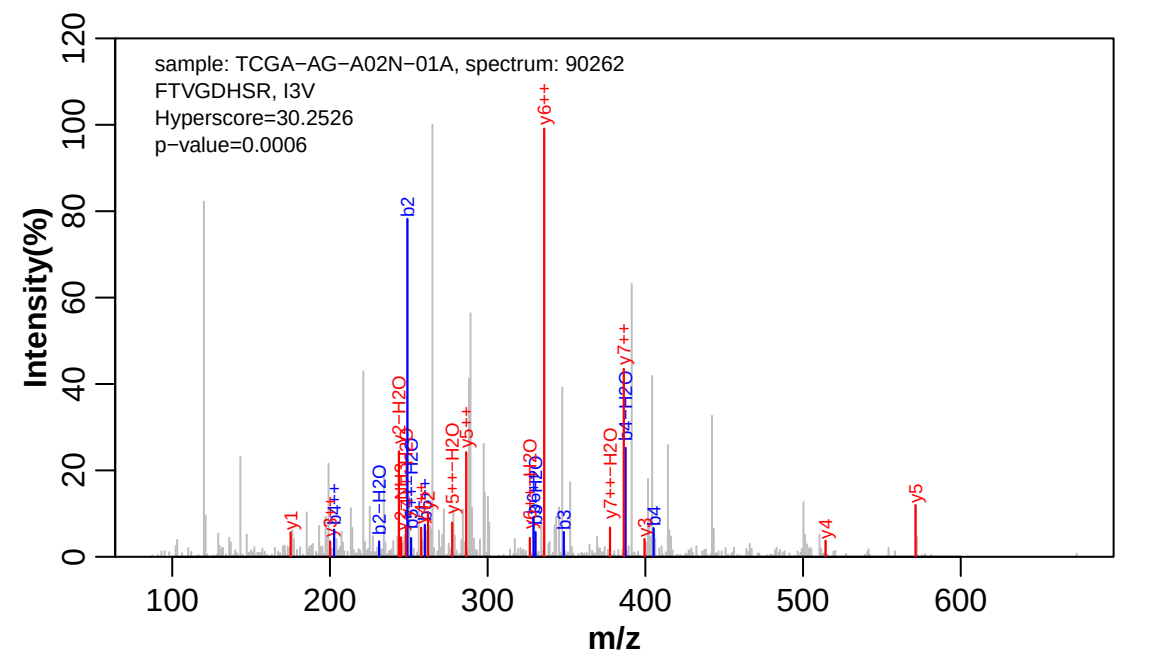

sample: TCGA−AG−A02N−01A, spectrum: 5521
EPSAPSLPTPAYQSLPAGGHAPTPPTPAPR, S15L
Hyperscore=27.5056
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b5−H2O
b6−H2O
y7
y9
b10−H2O
y21++
y23++−NH3
y24++
y25++
y26++
y15
y11

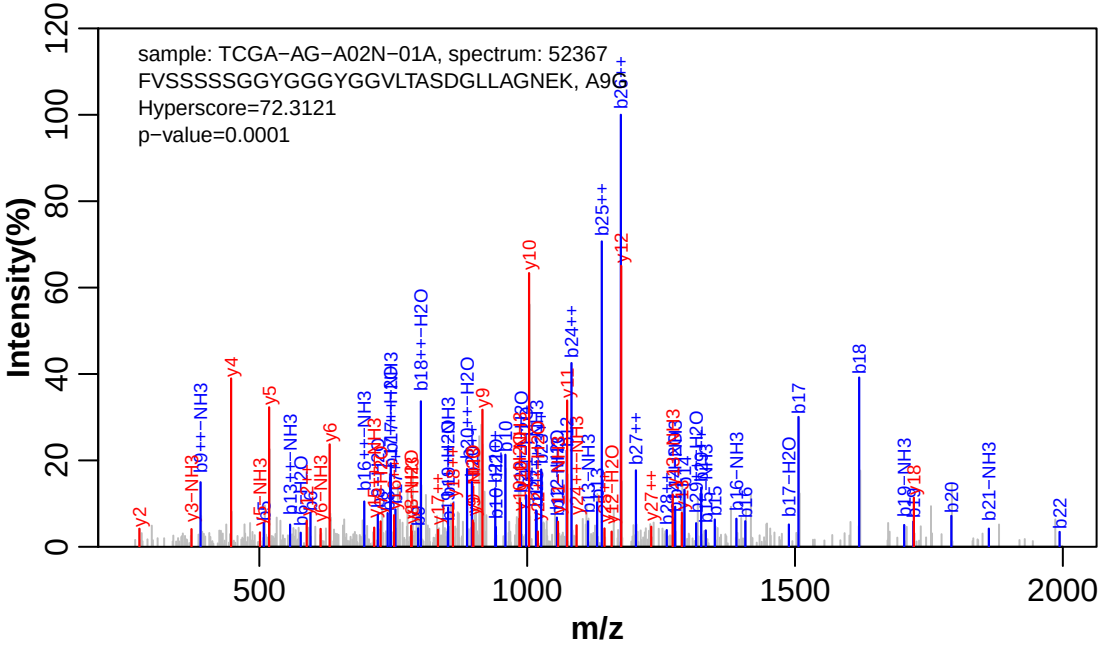

sample: TCGA−AG−A02N−01A, spectrum: 111844
EQPGSPEWLQLDK, Q13K
Hyperscore=16.9033
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2−H2O
b2
y5
b7−H2O
y6
b8−H2O
y8
y9
y11

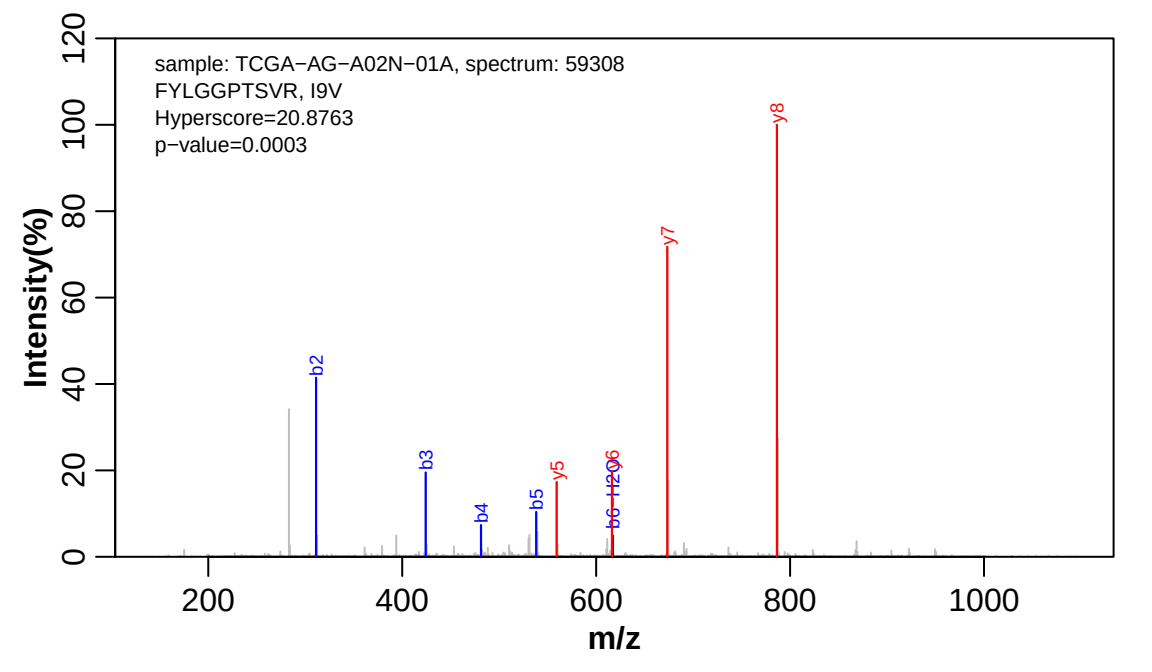

sample: TCGA−AG−A02N−01A, spectrum: 122745
FGQDLLSPLLSVR, K13R
Hyperscore=29.8183
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5
b6
y6
y7
y8
b7−H2O
b7
y9
b10
y10

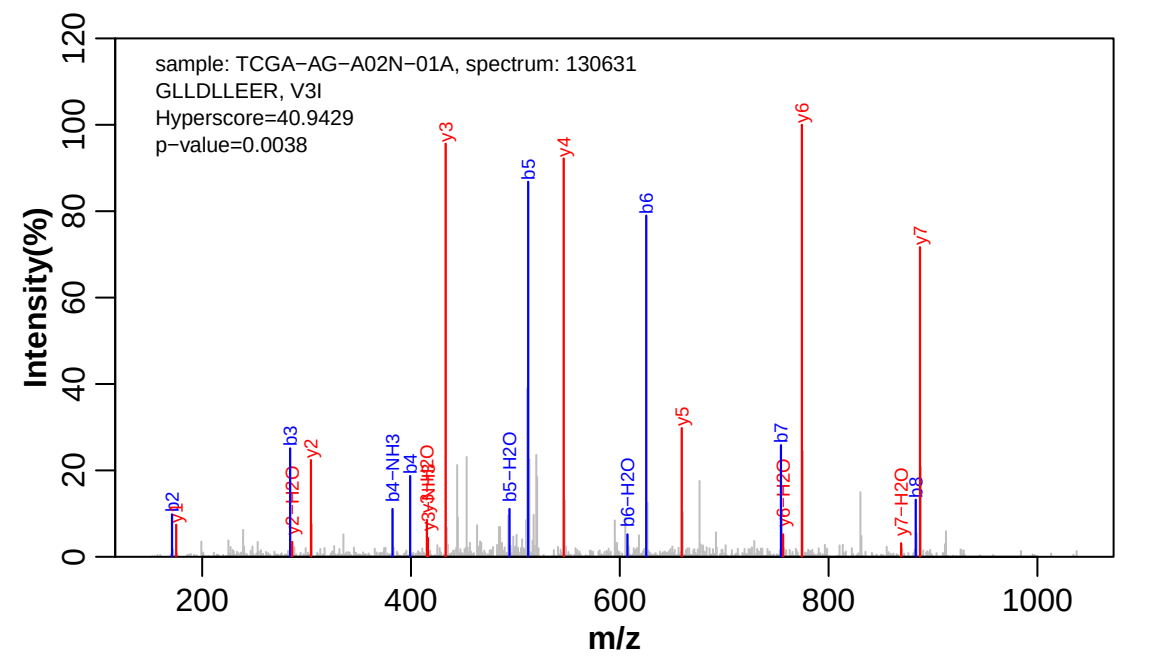

sample: TCGA−AG−A02N−01A, spectrum: 65280
FQTATVTEK, I3T
Hyperscore=14.2185
p−value=0.0021
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b2−H2O
b2−NH3
b3
y4
y5
b6
b7
b7−H2O

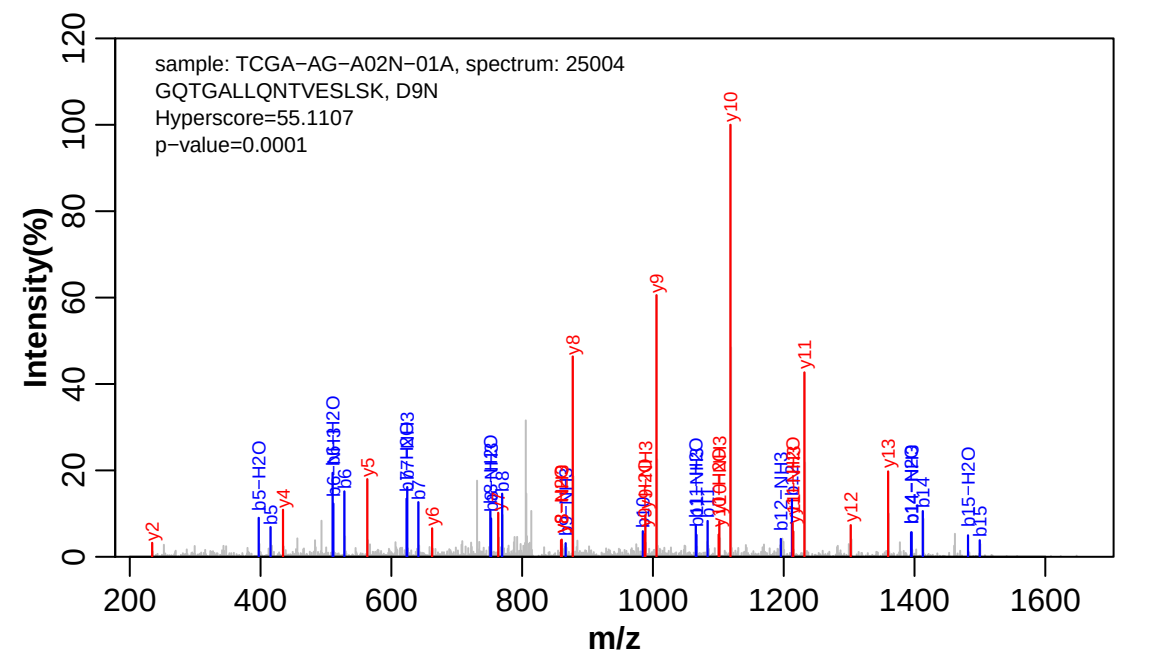

sample: TCGA−AG−A02N−01A, spectrum: 60363
FSVPVQHFCGGNPSTPLQVR, Q20R
Hyperscore=33.3471
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y17++
y8
y5
b3−H2O
y4
y8−H2O
y16++
y8−NH3
y17++−NH3
y18
y19++−H2O
b9−H2O
y11
b12−NH3
b12

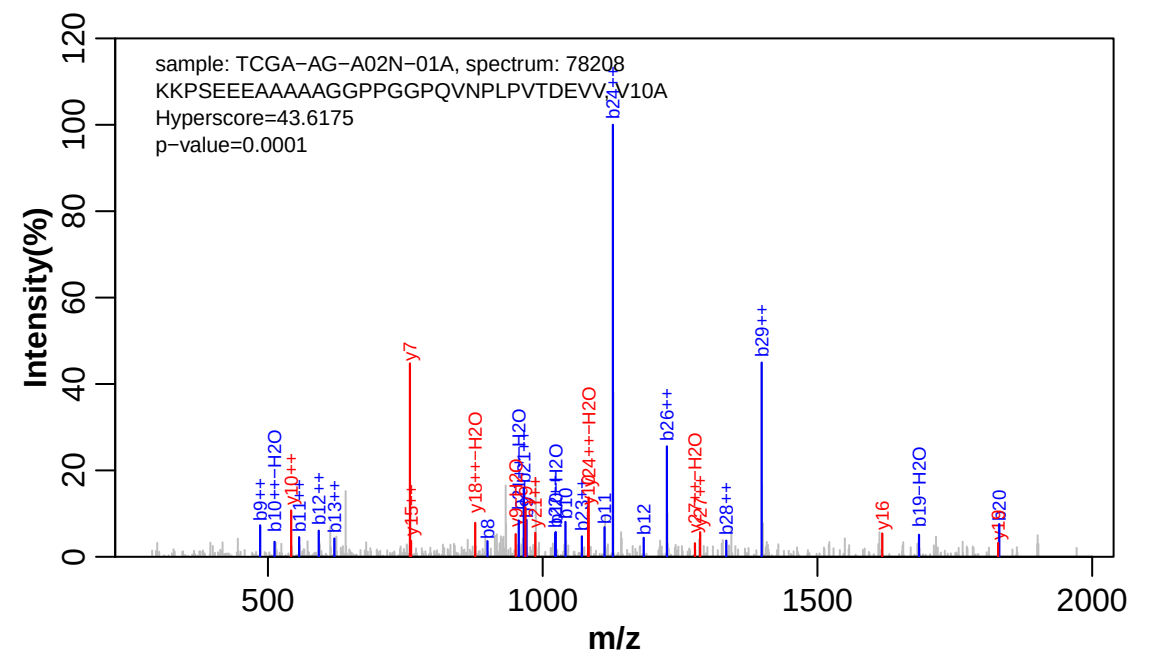

sample: TCGA−AG−A02N−01A, spectrum: 90262
FTVGDHSR, I3V
Hyperscore=30.2526
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
100
200
300
400
500
600
y6++
b2
y2−H2O
b2−H2O
y5++
y5++−H2O
y7++−H2O
b4−H2O
y7++
y5
y4
y1
b3
b4
y3
b2−NH3
y6++−H2O

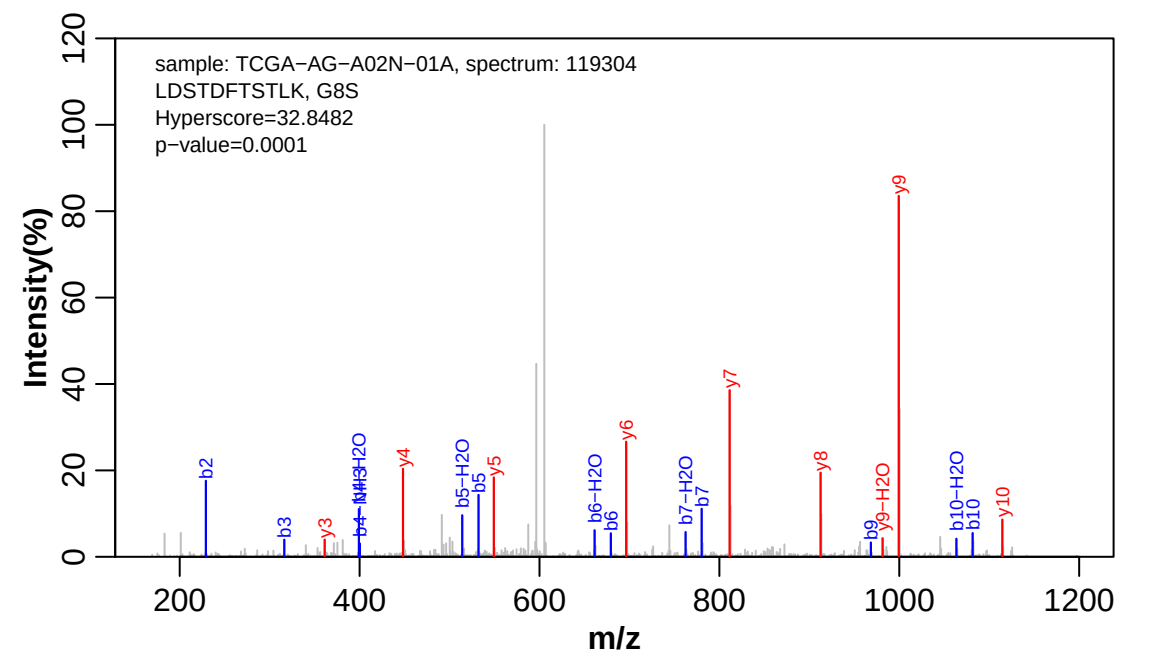

sample: TCGA−AG−A02N−01A, spectrum: 52367
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A96
Hyperscore=72.3121
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3−NH3
b3++−NH3
y4
y5
y5−NH3
b13++−NH3
y6
y6−NH3
b16++−NH3
b18++−H2O
y9
y10
b25++
y12
b24++
b27++
b18
b17
b17−H2O
b16−NH3
b19−NH3
b20
b21−NH3
b22

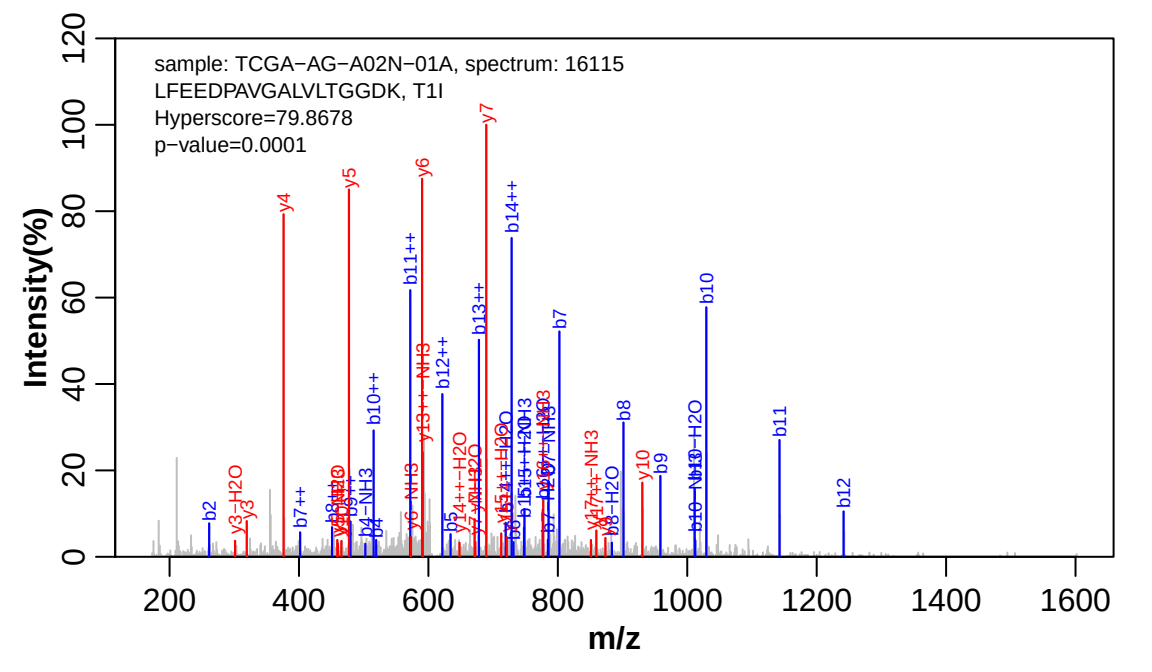

sample: TCGA−AG−A02N−01A, spectrum: 59308
FYLGGPTSVR, I9V
Hyperscore=20.8763
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y7
y8

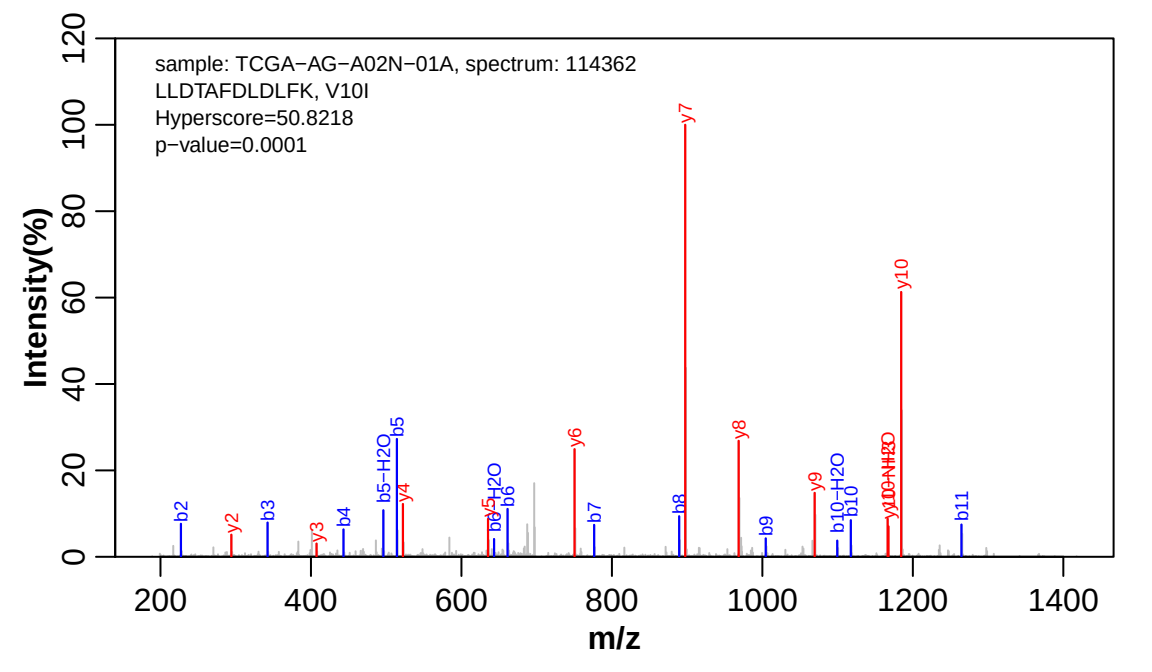

sample: TCGA−AG−A02N−01A, spectrum: 130631
GLLDLLEER, V3I
Hyperscore=40.9429
p−value=0.0038
Intensity(%)
m/z
y3
y4
y6
b5
b6
y7
y5
b3
y2
b7
b2
y1
b4−NH3
b4
b5−H2O
b6−H2O
y6−H2O
y7−H2O
b8

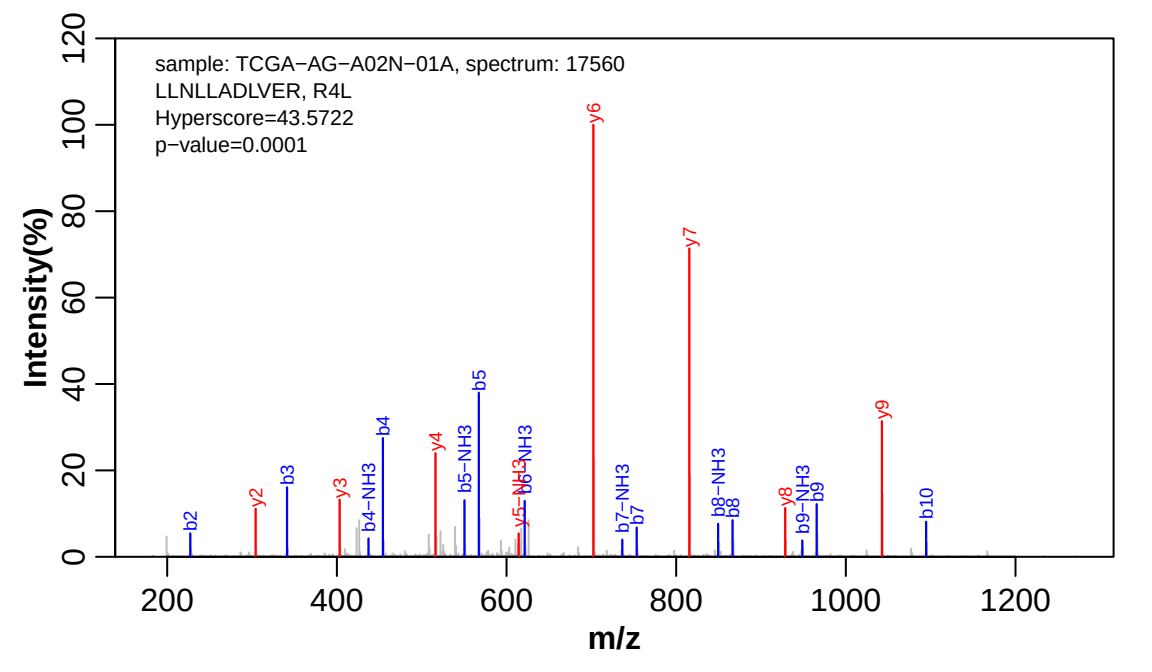

sample: TCGA−AG−A02N−01A, spectrum: 25004
GQTGALLQNTVESLSK, D9N
Hyperscore=55.1107
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y5
y6
y4
y2
y13
y12
b5−H2O
b15−H2O

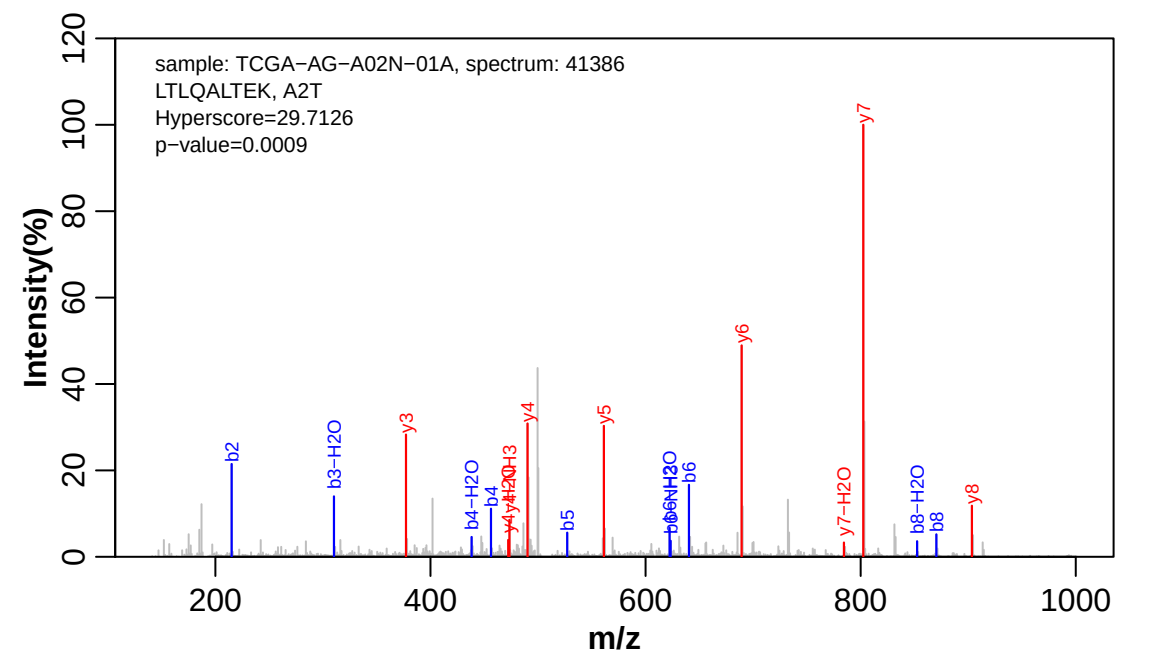

sample: TCGA−AG−A02N−01A, spectrum: 78208
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=43.6175
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++
b10++−H2O
y10++
b11++
b12++
b13++
y15++
y7
y18++−H2O
b8
y9++−H2O
y21++−H2O
b10++H2O
b23++
y24++−H2O
b11
b12
b26++
y27++−H2O
b28++
b29++
y16
b19−H2O
y18++
b21++

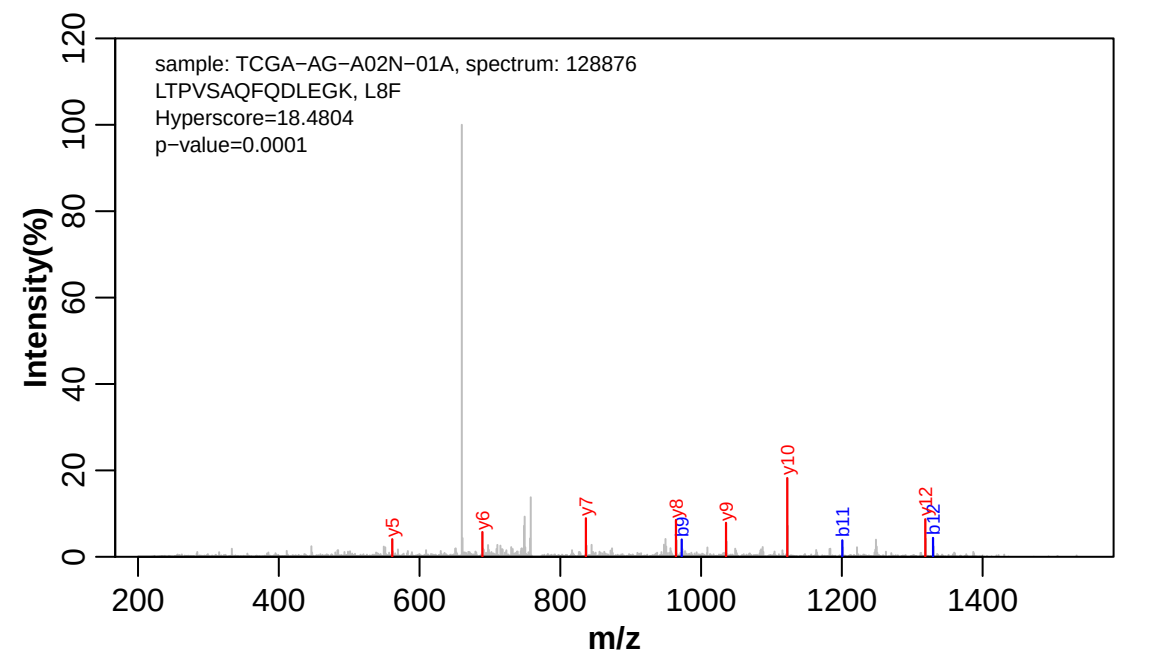

sample: TCGA−AG−A02N−01A, spectrum: 119304
LDSTDFTSTLK, G8S
Hyperscore=32.8482
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4−NH3
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
b9
y9−H2O
y9
b10−H2O
b10
y10

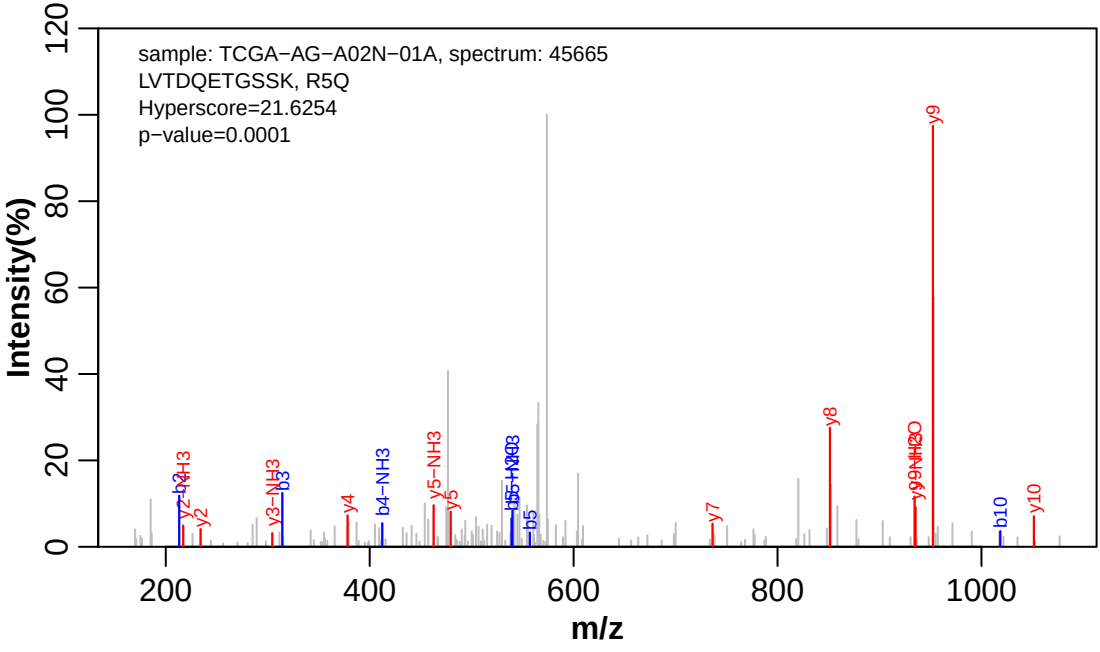

sample: TCGA−AG−A02N−01A, spectrum: 16115
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=79.8678
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y4
y5
y6
y7
b2
y3−H2O
y3
b7++
b4−NH3
b4
b10++
y6−NH3
y13++−NH3
b11++
b12++
b5
b13++
b14++
b7
b8
y10
b9
b10
b10−H2O
b11
b12

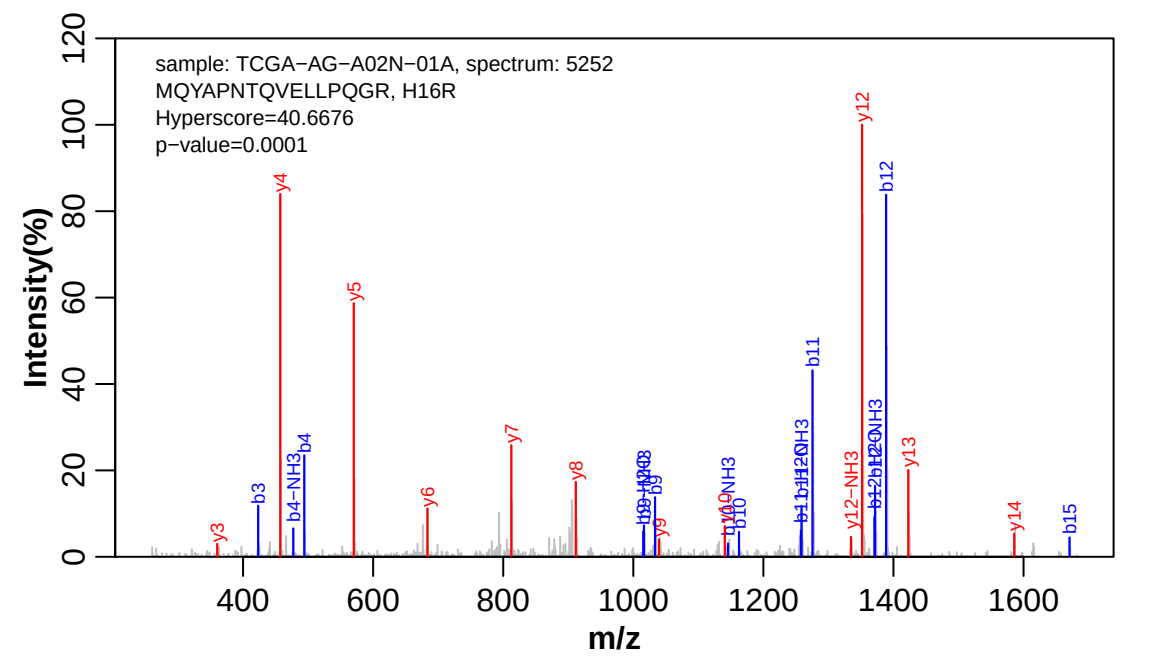

sample: TCGA−AG−A02N−01A, spectrum: 114362
LLDTAFDLDLFK, V10I
Hyperscore=50.8218
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
b3
y3
b4
b5−H2O
b5
y4
b6−H2O
b6
y5
y6
b7
b8
y7
y8
b9
y9
b10−H2O
b10
y10−NH2O
y10
b11

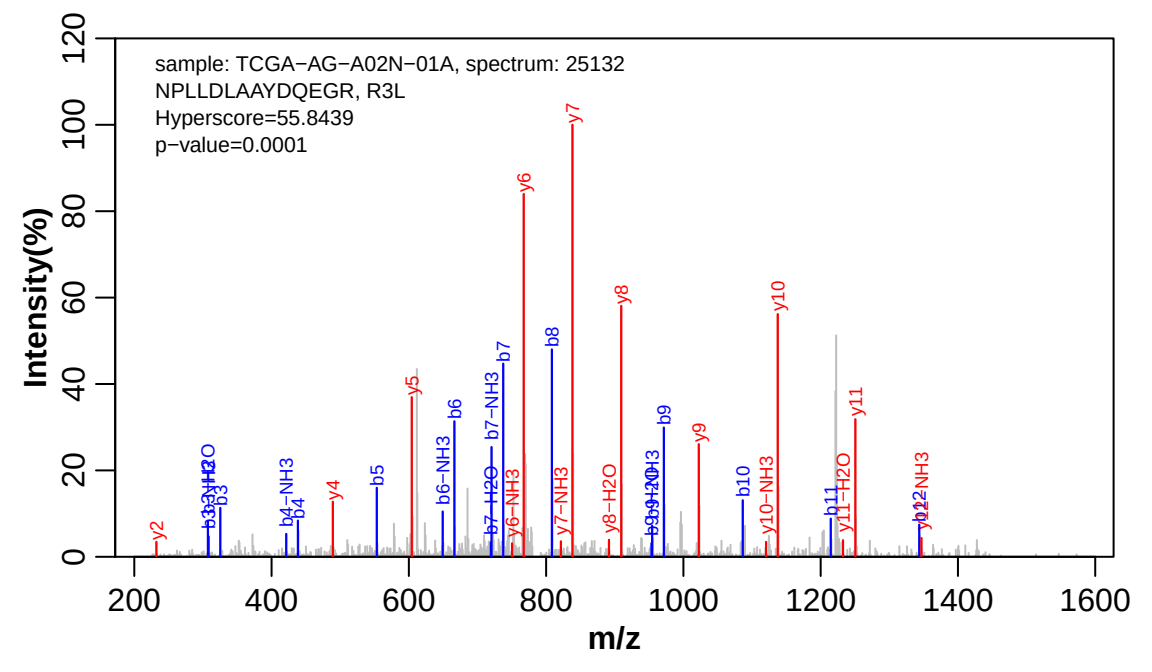

sample: TCGA−AG−A02N−01A, spectrum: 17560
LLNLLADLVER, R4L
Hyperscore=43.5722
p−value=0.0001
Intensity(%)
m/z
y6
y7
y9
y2
y3
y4
y8
b2
b3
b4
b4−NH3
b5
b5−NH3
b6−NH3
y5−NH3
b7−NH3
b7
b8−NH3
b8
b9
b9−NH3
b10

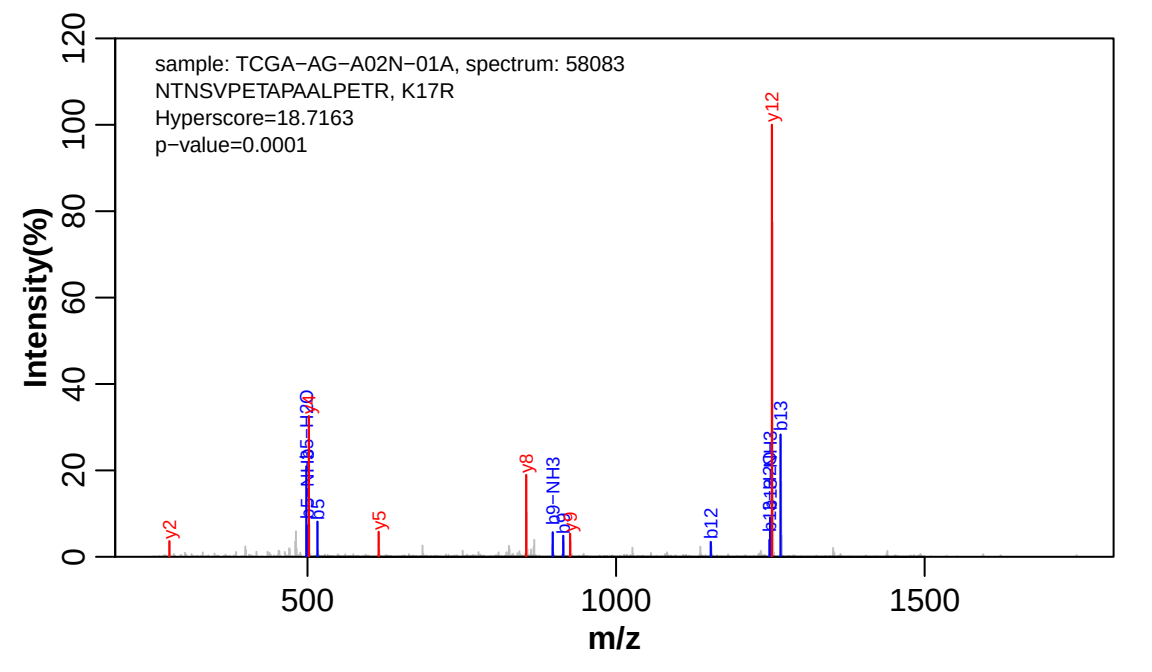

sample: TCGA−AG−A02N−01A, spectrum: 41386
LTLQALTEK, A2T
Hyperscore=29.7126
p−value=0.0009
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
y3
b4−H2O
b4
y4−H2O
y4−H3
y4
b5
y5
b6−NH3
b6−H2O
b6
y6
y7−H2O
y7
b8−H2O
b8
y8

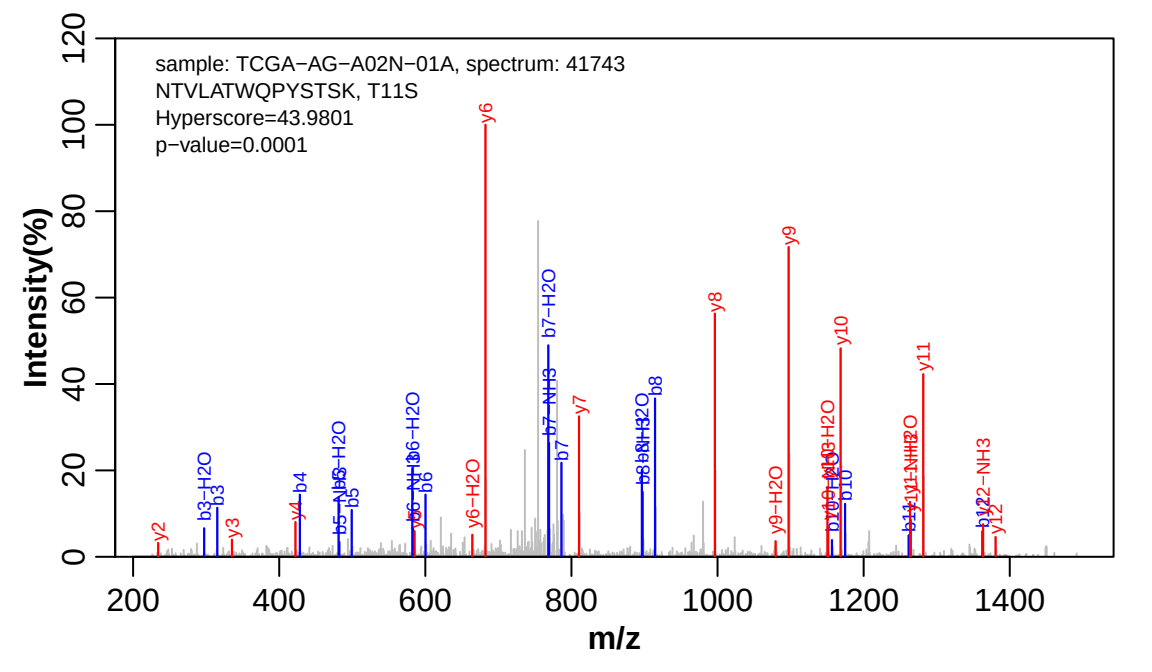

sample: TCGA−AG−A02N−01A, spectrum: 128876
LTPVSAQFQDLEGK, L8F
Hyperscore=18.4804
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
m/z
y5
y6
y7
y8
b9
y9
y10
b11
y12
b12

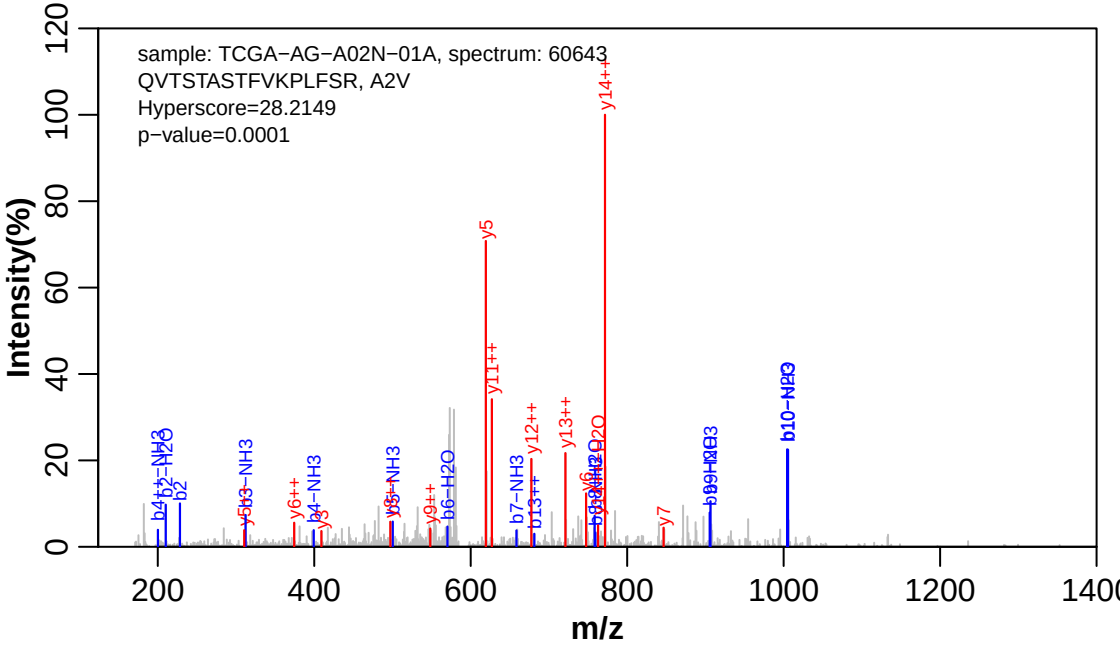

sample: TCGA−AG−A02N−01A, spectrum: 45665
LVTDQETGSSK, R5Q
Hyperscore=21.6254
p−value=0.0001
Intensity(%)
m/z
y9
y8
y7
y10
b10
y5−NH3
y4
b4−NH3
y3−NH3
b3
y2
b2
b5

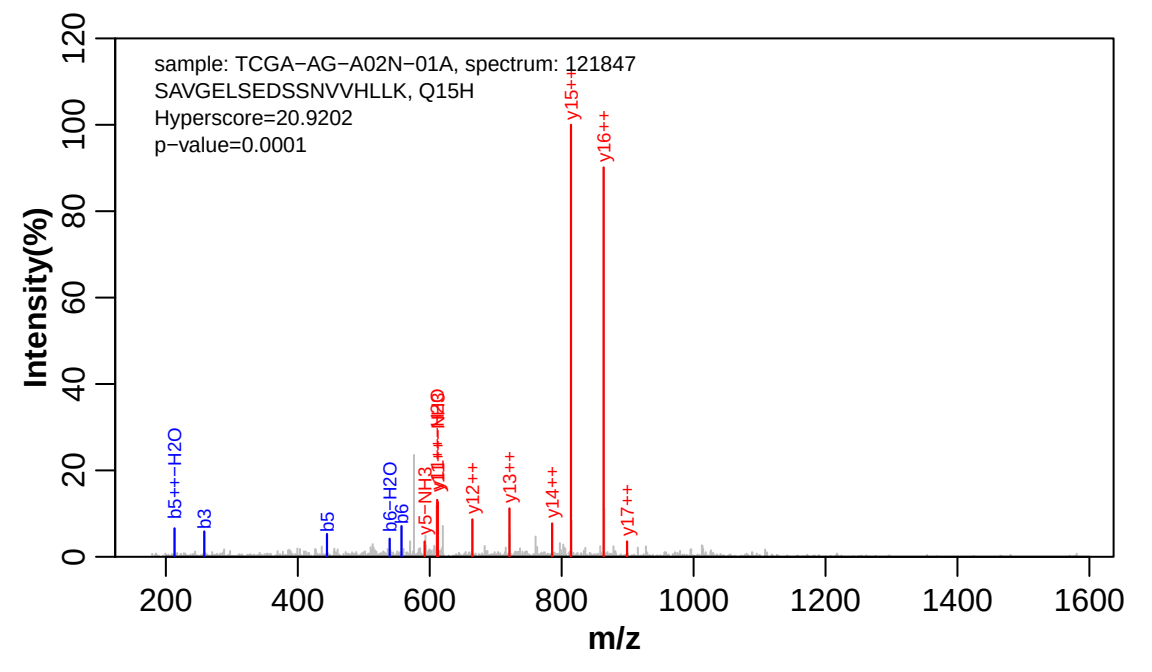

sample: TCGA−AG−A02N−01A, spectrum: 5252
MQYAPNTQVELLPQGR, H16R
Hyperscore=40.6676
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
400
600
800
1000
1200
1400
1600
y3
b3
b4−NH3
b4
y4
y5
y6
y7
y8
y9
b10
b11
y12−NH3
y12
b12
y13
y14
b15

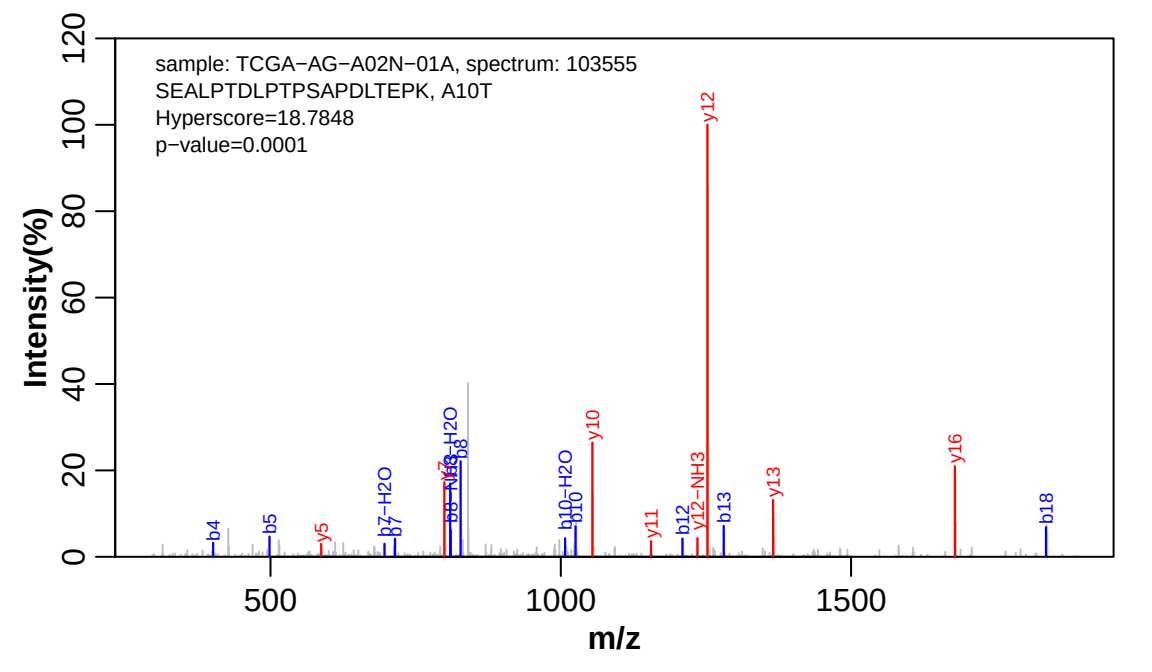

sample: TCGA−AG−A02N−01A, spectrum: 25132
NPLLDLAAYDQEGR, R3L
Hyperscore=55.8439
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3−H2O
b3−NH3
b3
b4−NH3
b4
y4
b5
y5
b6−NH3
b6
b7−H2O
b7−NH3
b7
y6−NH3
y6
y7−NH3
y7
b8
y8−H2O
y8
b9−H2O
b9−NH3
b9
y9
b10
y10−NH3
y10
b11
y11−H2O
y11
y12−NH3
y12

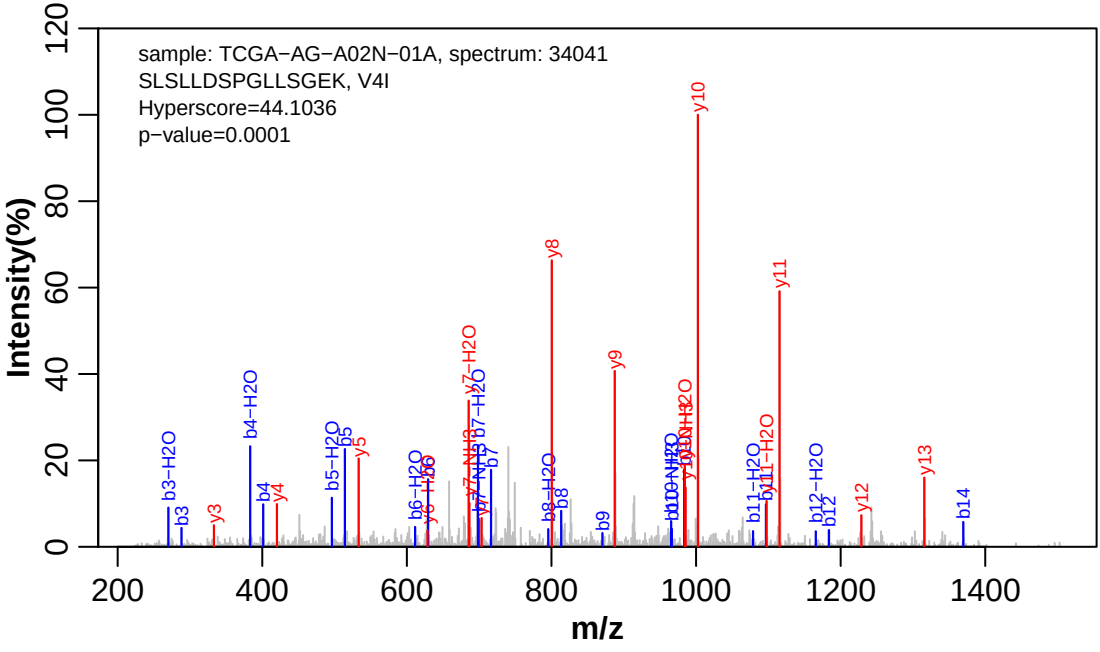

sample: TCGA−AG−A02N−01A, spectrum: 58083
NTNSVPETAPAALPETR, K17R
Hyperscore=18.7163
p−value=0.0001
Intensity(%)
m/z
y12
y8
y5
y2
b13
b12
b9−NH3
b5
0
20
40
60
80
100
120
500
1000
1500

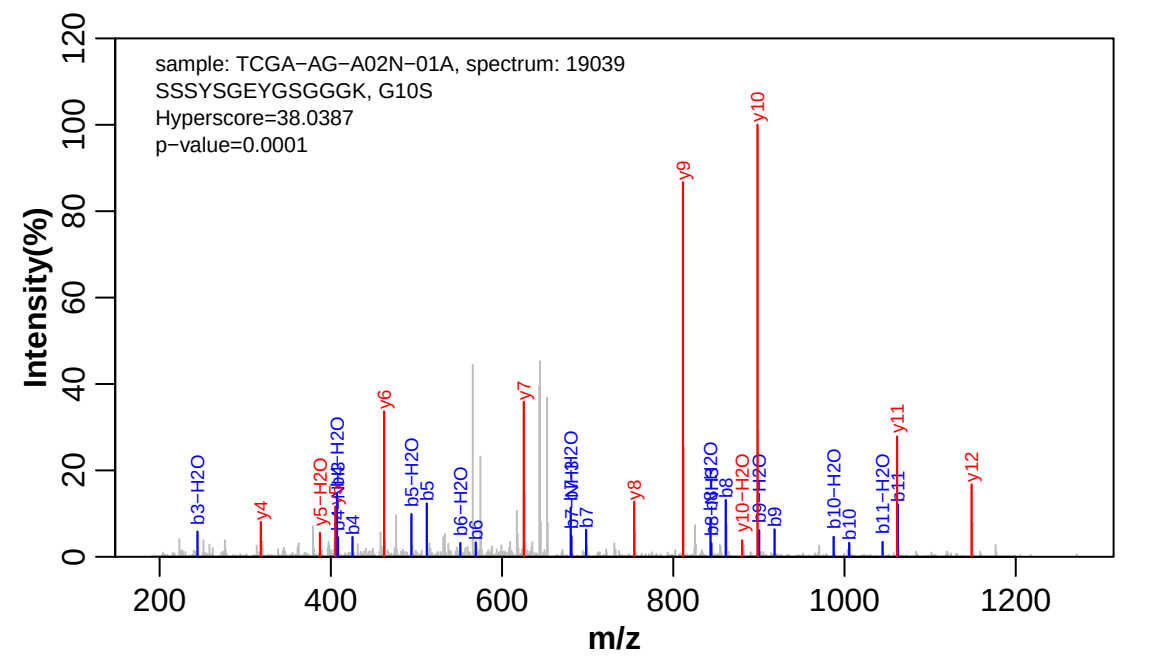

sample: TCGA−AG−A02N−01A, spectrum: 41743
NTVLATWQPYSTSK, T11S
Hyperscore=43.9801
p−value=0.0001
Intensity(%)
m/z
y6
y9
y8
y10
y11
b7−H2O
b7−NH3
y7
b8
y2
b3−H2O
b3
y3
y4
b4
b5
b6
y6−H2O
y9−H2O
b10
y12
b12−NH3

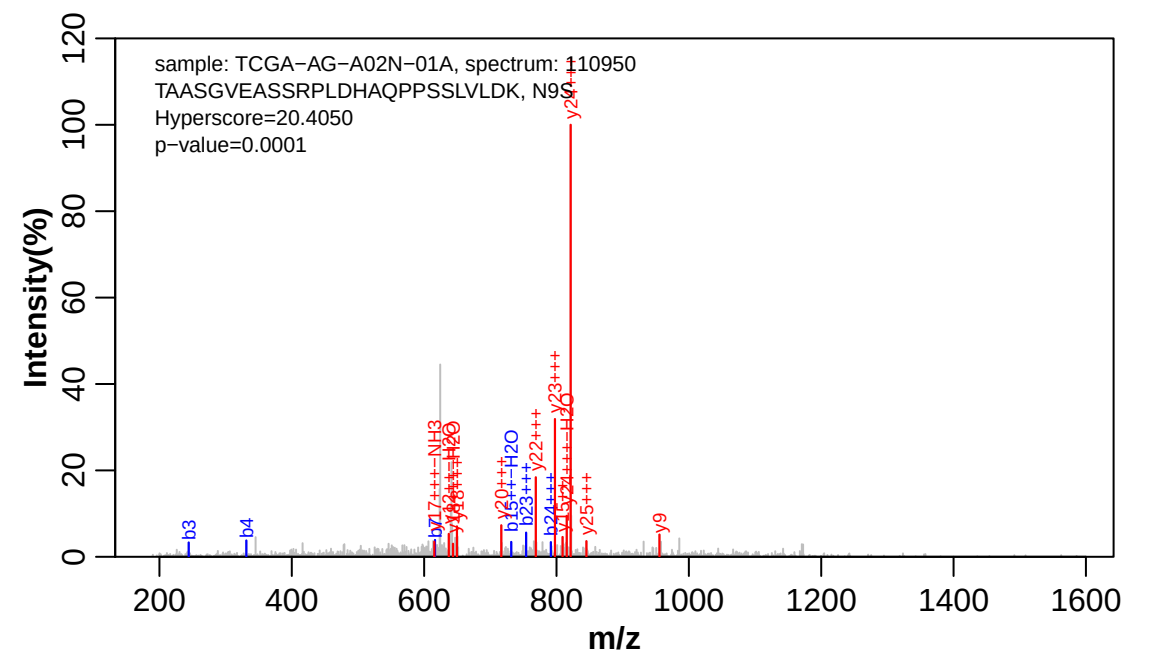

sample: TCGA−AG−A02N−01A, spectrum: 60643
QVTSTASTFVKPLFSR, A2V
Hyperscore=28.2149
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y14++
y5
y11++
y12++
y13++
y7
b10−NH3
b10−H2O
b7−NH3
b6−H2O
y6++
y5−NH3
y4−NH3
y3
y9++
b2
b2−NH3
y5++
y6

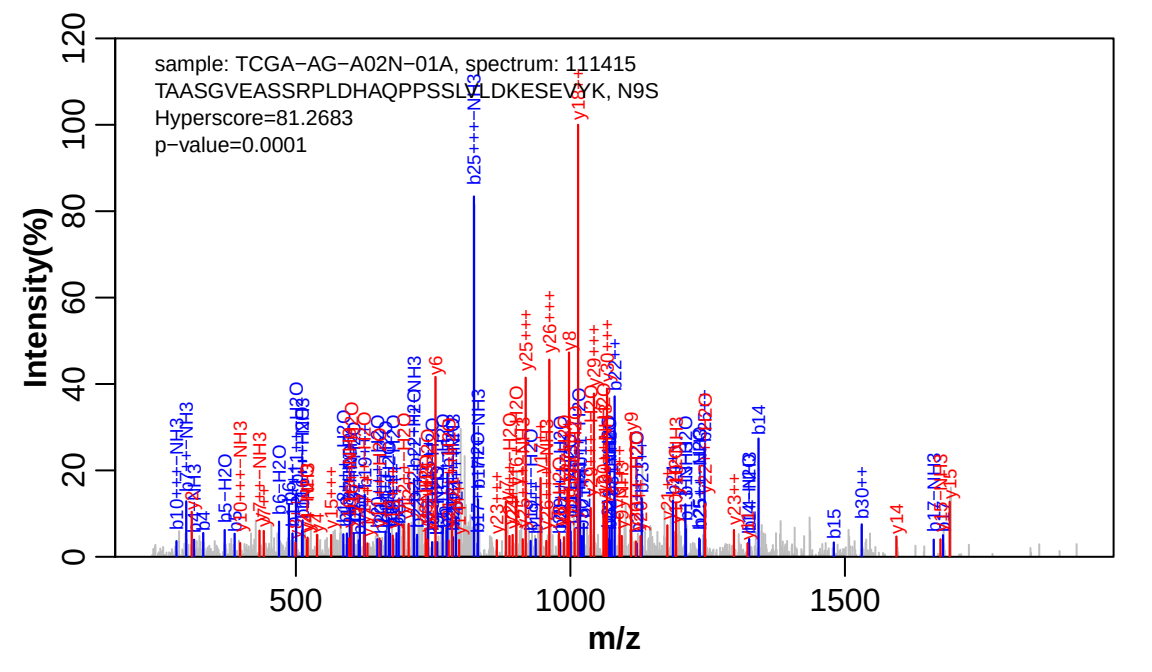

sample: TCGA−AG−A02N−01A, spectrum: 121847
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=20.9202
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b5++−H2O
b3
b5
b6−H2O
b6
y5−NH3
y12++
y13++
y14++
y15++
y16++
y17++

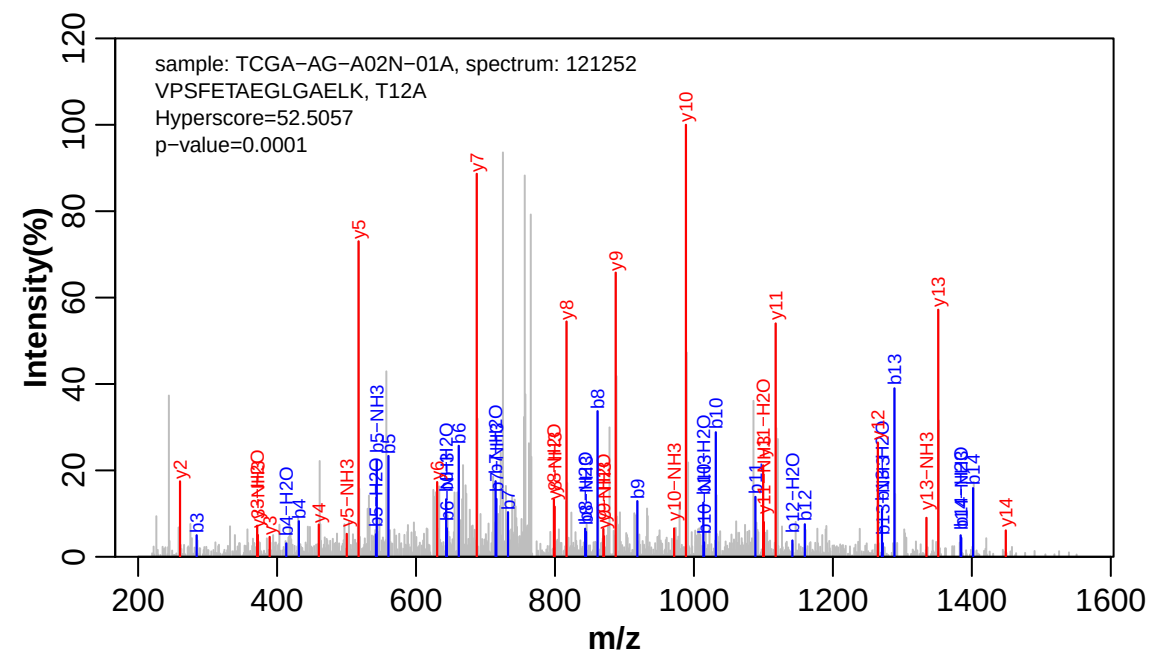

sample: TCGA−AG−A02N−01A, spectrum: 103555
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=18.7848
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b4
b5
y5
b7−H2O
b7
y8−NH3
y8
b8−H2O
b8
b10−H2O
b10
y10
y11
b12
y12−NH3
y12
b13
y13
y16
b18

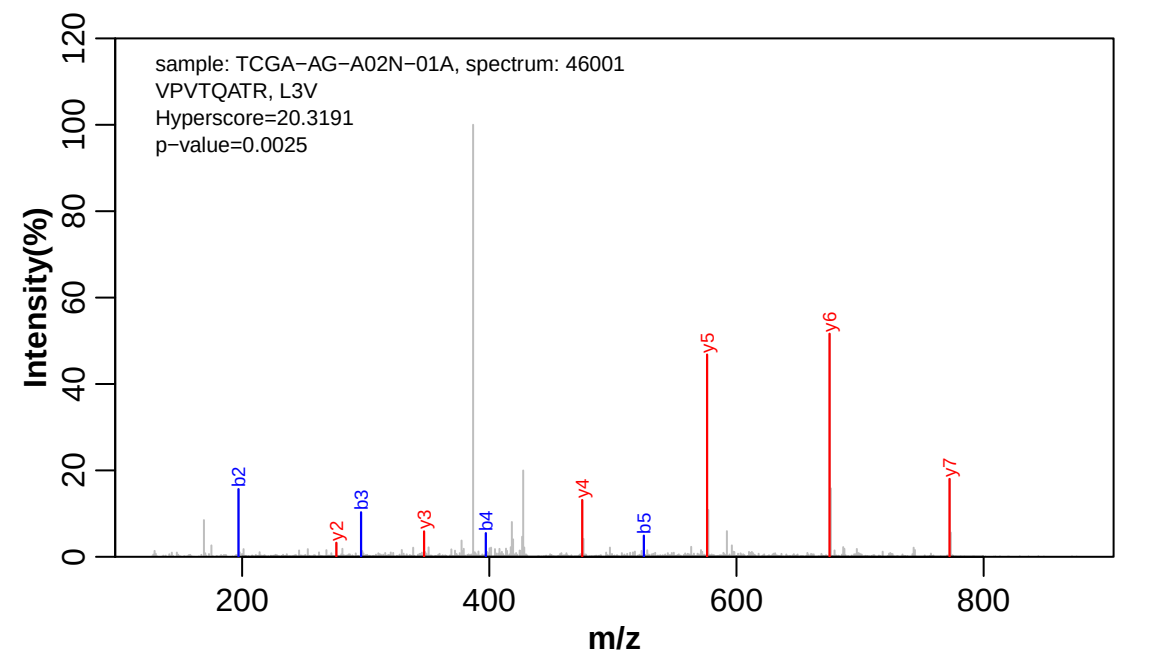

sample: TCGA−AG−A02N−01A, spectrum: 34041
SLSLLDSPGLLSGEK, V4I
Hyperscore=44.1036
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
y3
b4−H2O
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
y7−NH3
y7−H2O
b7−H2O
b7
b8−H2O
b8
y8
b9
y9
y10
b11−H2O
y11
b12−H2O
b12
y12
y13
b14

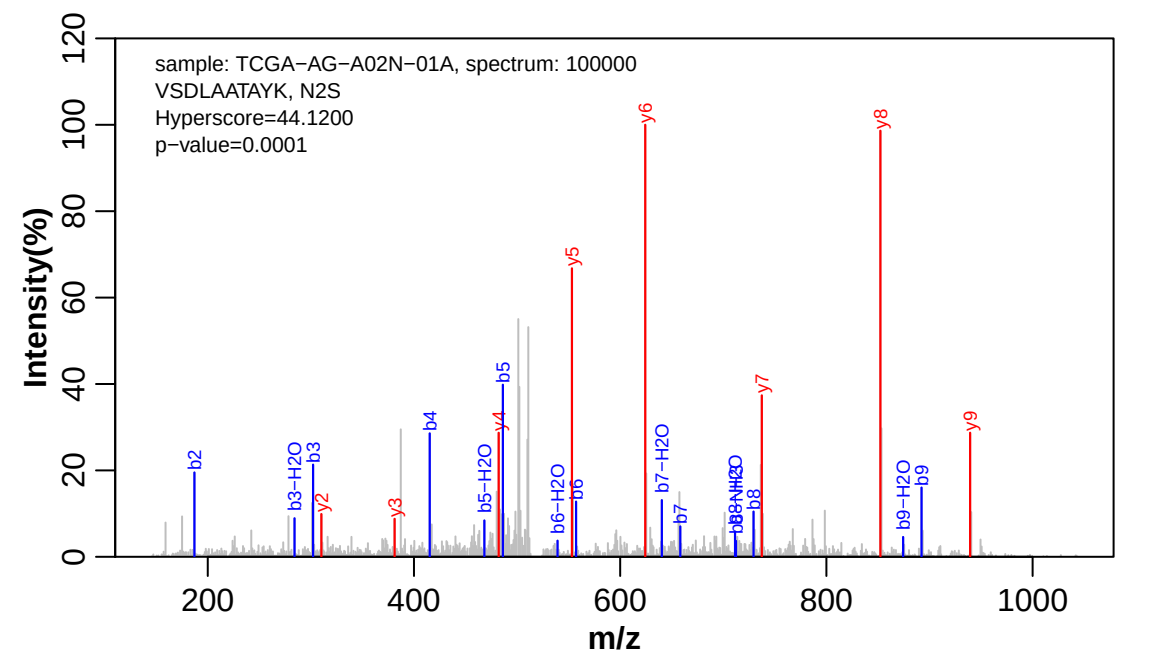

sample: TCGA−AG−A02N−01A, spectrum: 19039
SSSYSGEYGSGGGK, G10S
Hyperscore=38.0387
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3−H2O
y4
y5−H2O
b4
y6
b5−H2O
b5
b6−H2O
b6
y7
b7
y8
y9
b8
y10−H2O
y10
b9
b10−H2O
b10
b11−H2O
b11
y11
y12

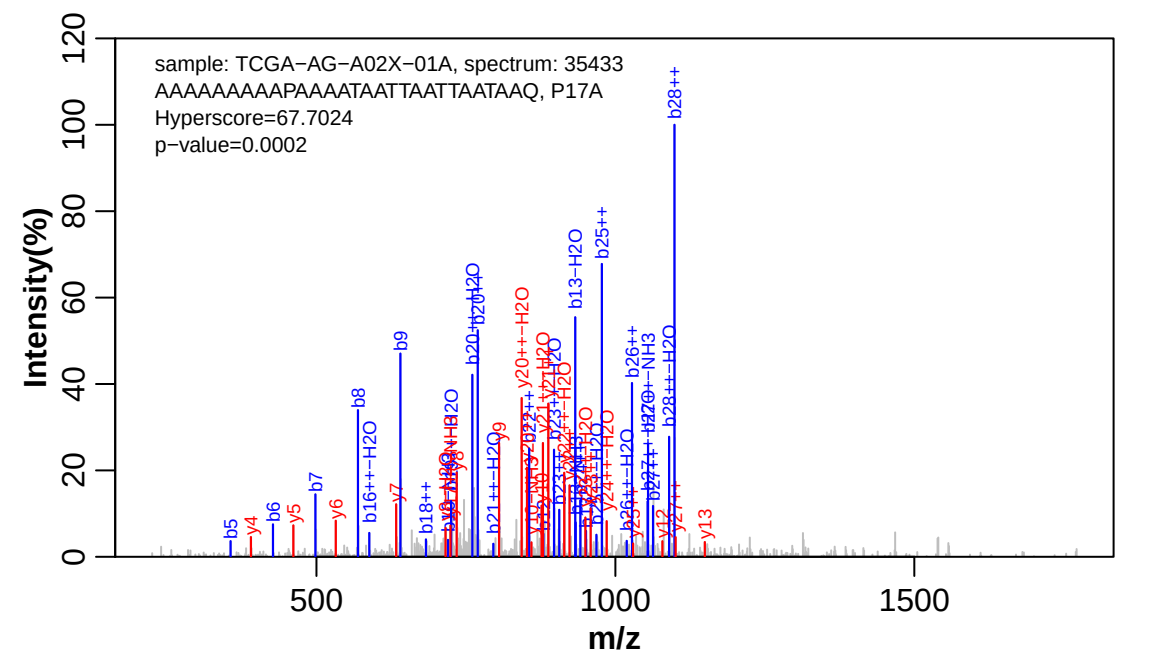

sample: TCGA−AG−A02N−01A, spectrum: 110950
TAASGVEASSRPLDHAQPPSSLVLDK, N9S
Hyperscore=20.4050
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
b4
b17++−NH3
b17++
y18++−H2O
y18++
y20++
b15++−H2O
b23+++
y22+++
b24+++
y23+++
y23++
y25+++
y24++
y9

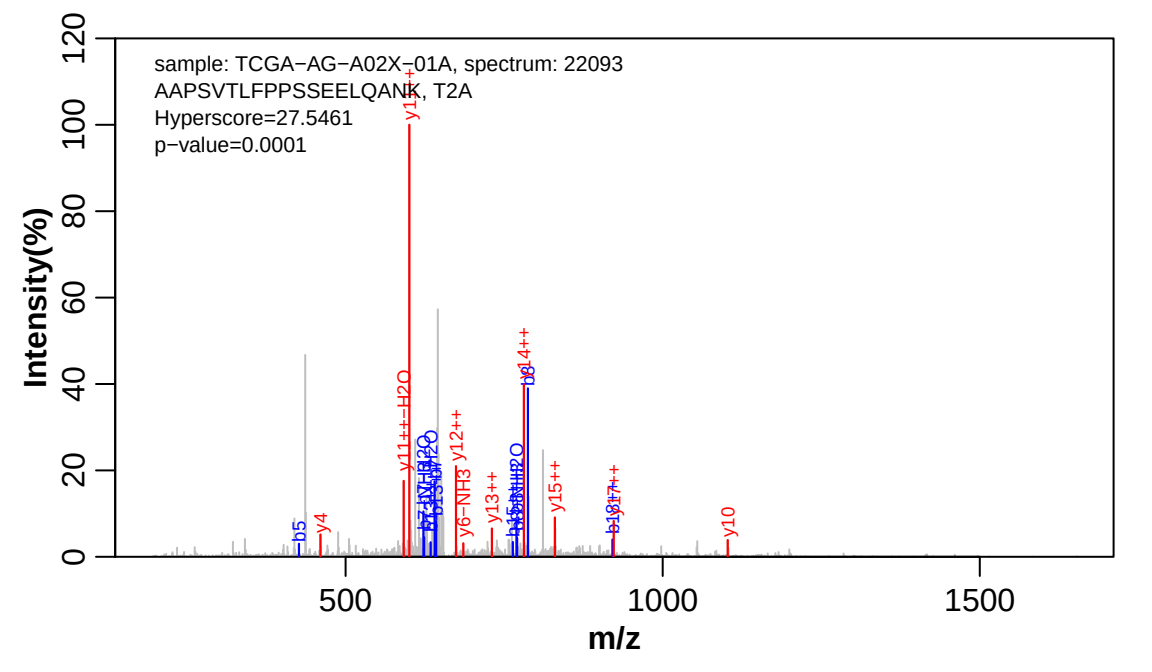

sample: TCGA−AG−A02N−01A, spectrum: 111415
TAASGVEASSRPLDHAQPPSSLELDKESEVYK, N9S
Hyperscore=81.2683
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b25+++−NH3
y15++
y26+++
y25+++
y8
y6
b30++
y14
b15
b14
y15
b17−NH3

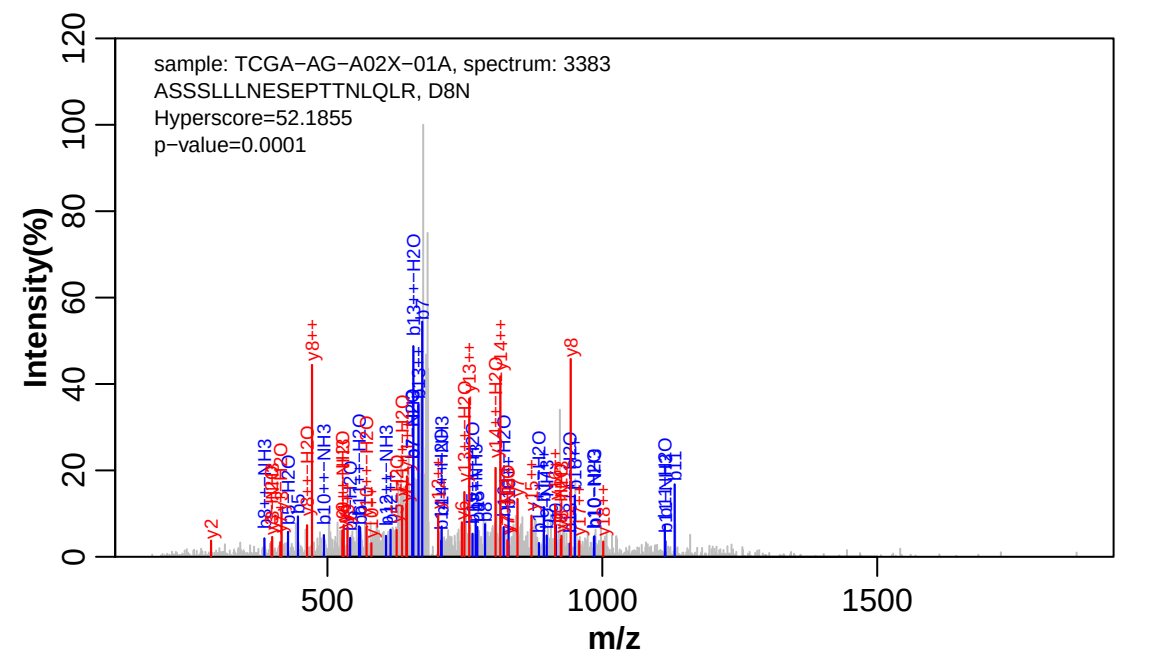

sample: TCGA−AG−A02N−01A, spectrum: 121252
VPSFETAEGLGAELK, T12A
Hyperscore=52.5057
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y7
y5
y9
y8
y11
y13
b13
y2
b3
b4
y4
y5−NH3
b5
b8
b10
y10−NH3
b9
y13−NH3
y14
b12
b14

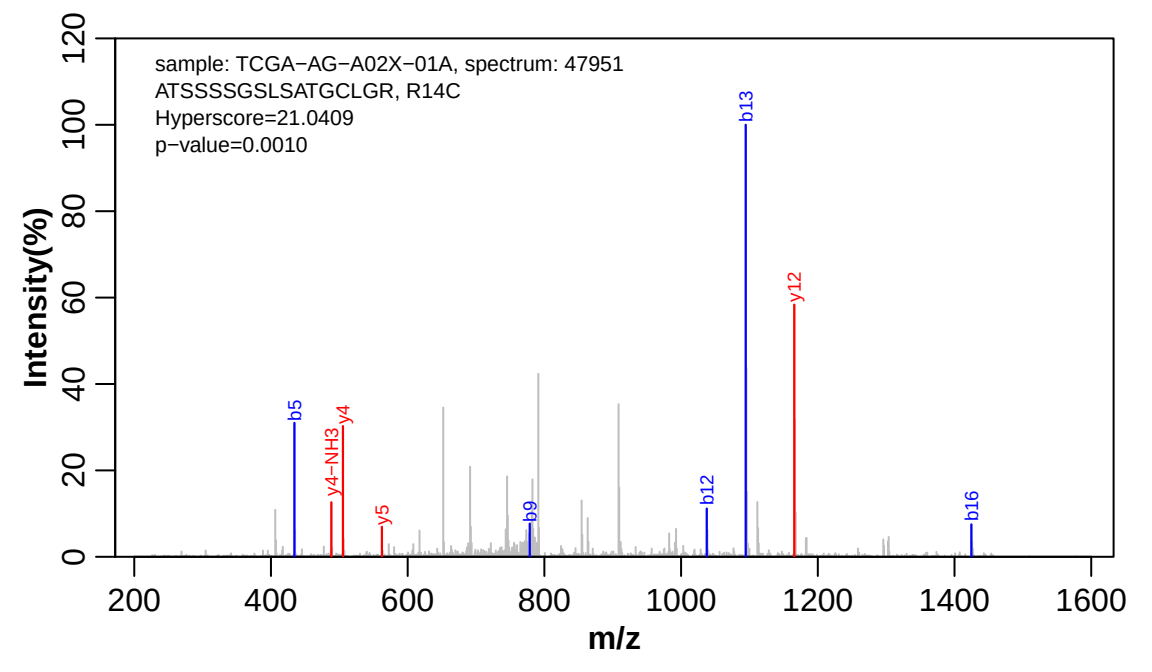

sample: TCGA−AG−A02N−01A, spectrum: 46001
VPVTQATR, L3V
Hyperscore=20.3191
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2
b3
y3
b4
y4
b5
y5
y6
y7

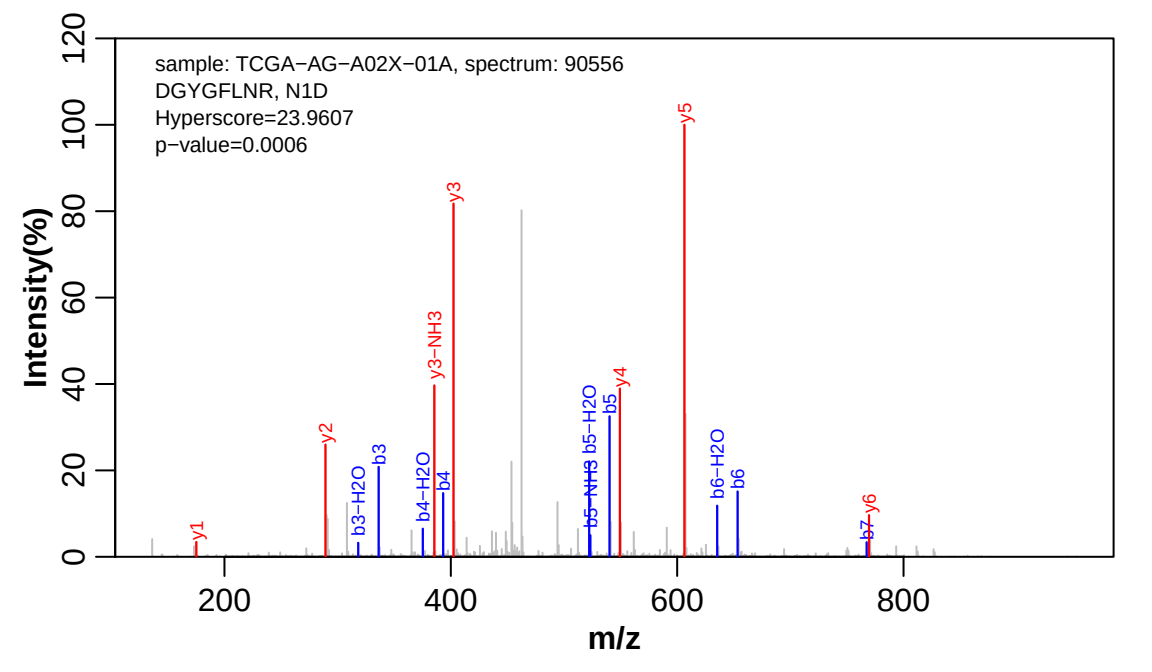

sample: TCGA−AG−A02N−01A, spectrum: 100000
VSDLAATAYK, N2S
Hyperscore=44.1200
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3−H2O
b3
y2
y3
b4
b5−H2O
y4
b5
b6−H2O
b6
y5
b7−H2O
b7
y6
b8
y7
b9−H2O
b9
y8
y9

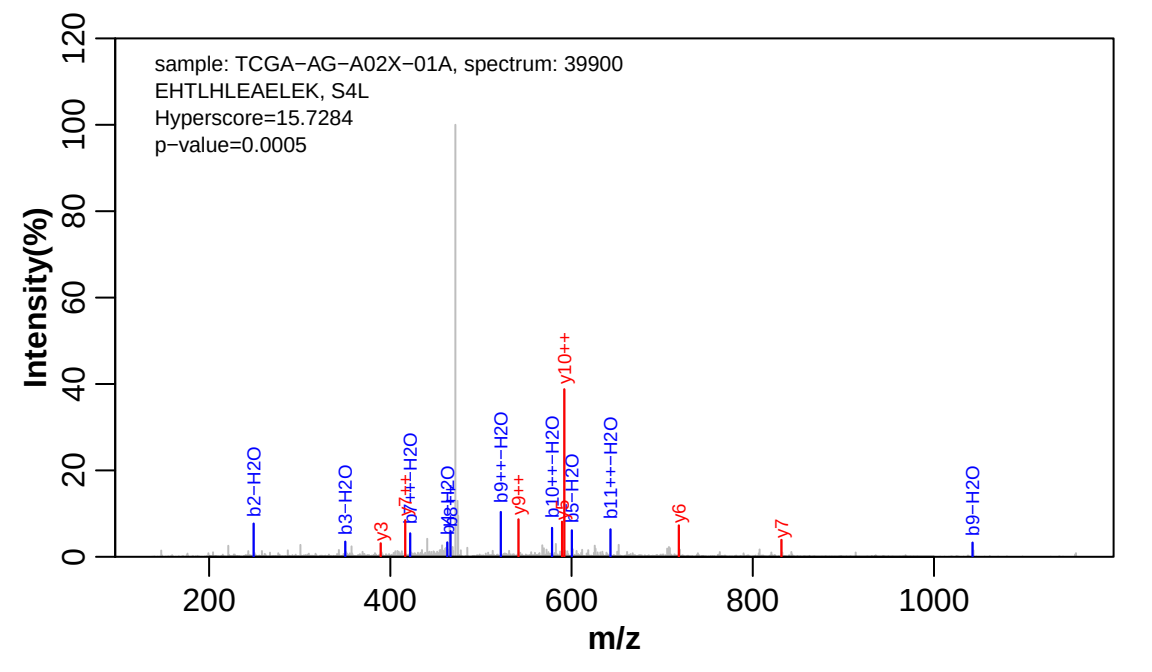

sample: TCGA−AG−A02X−01A, spectrum: 35433
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=67.7024
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5
y4
b6
y5
b7
y6
b8
b16++−H2O
y7
b9
b18++
b28++
b25++
b13−H2O
b20++−H2O
b21++−H2O
y9
y20++−H2O
b26++
y23++−H2O
b28++−H2O
y13

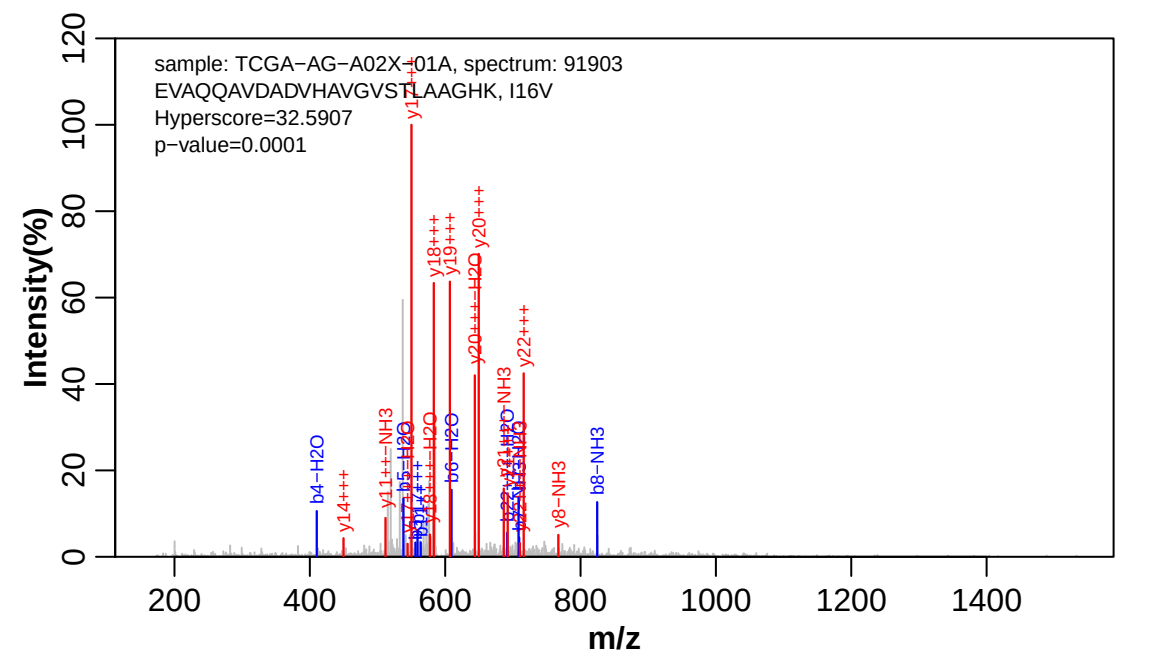

sample: TCGA−AG−A02X−01A, spectrum: 22093
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=27.5461
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
y11++−H2O
y12++
y6−NH3
y13++
y14++
y15++
y10
b5
y4

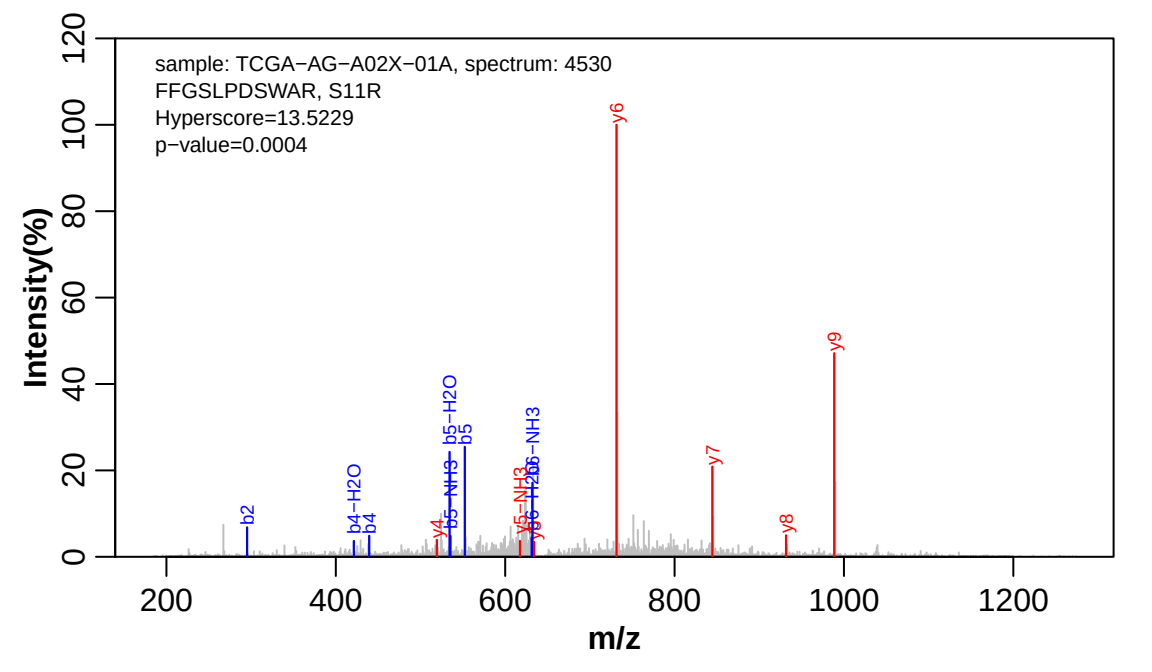

sample: TCGA−AG−A02X−01A, spectrum: 3383
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=52.1855
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

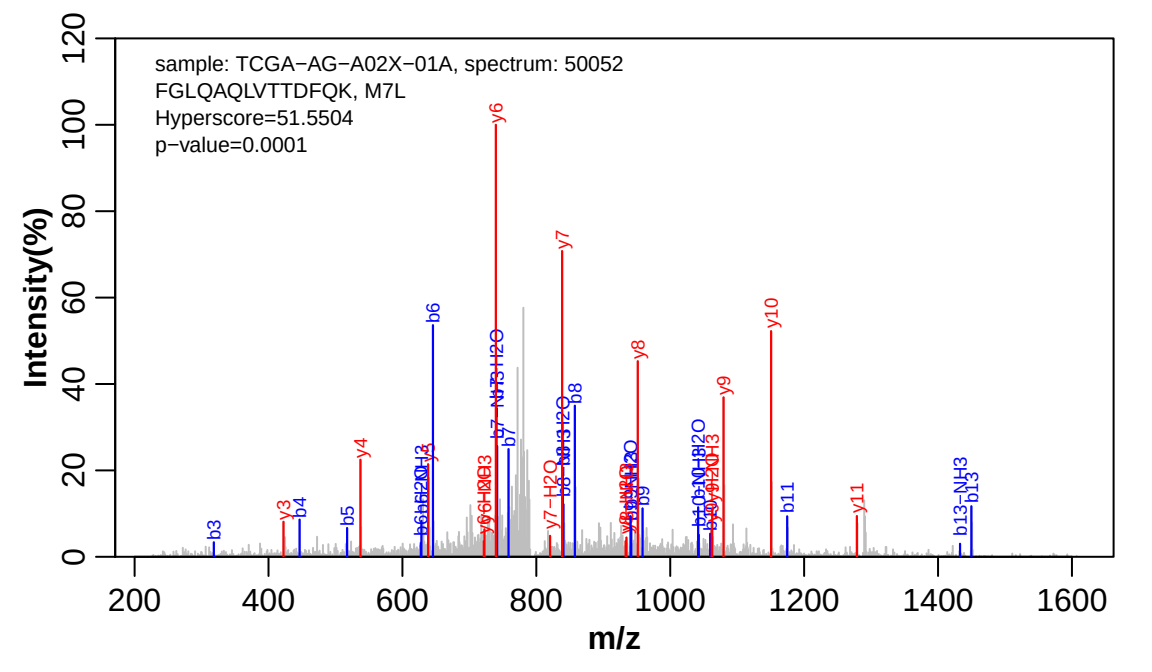

sample: TCGA−AG−A02X−01A, spectrum: 47951
ATSSSSGSLSATGCLGR, R14C
Hyperscore=21.0409
p−value=0.0010
b13
y12
b5
y4−NH3
y4
y5
b9
b12
b16
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

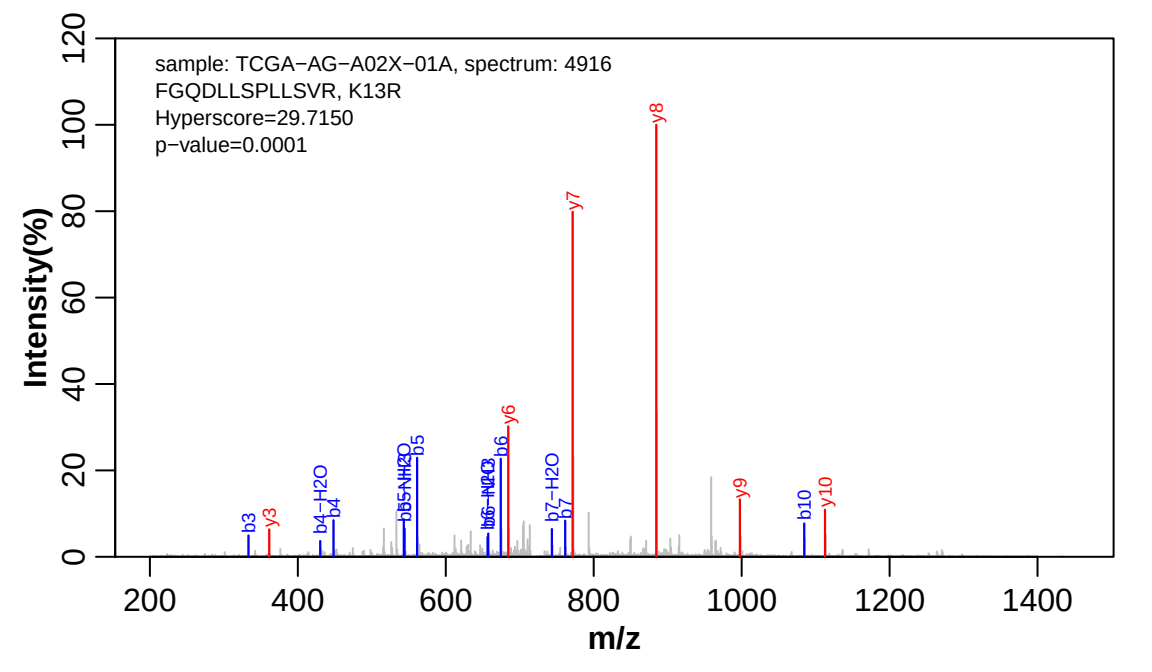

sample: TCGA−AG−A02X−01A, spectrum: 90556
DGYGFLNR, N1D
Hyperscore=23.9607
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
y3
b4
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7−y6

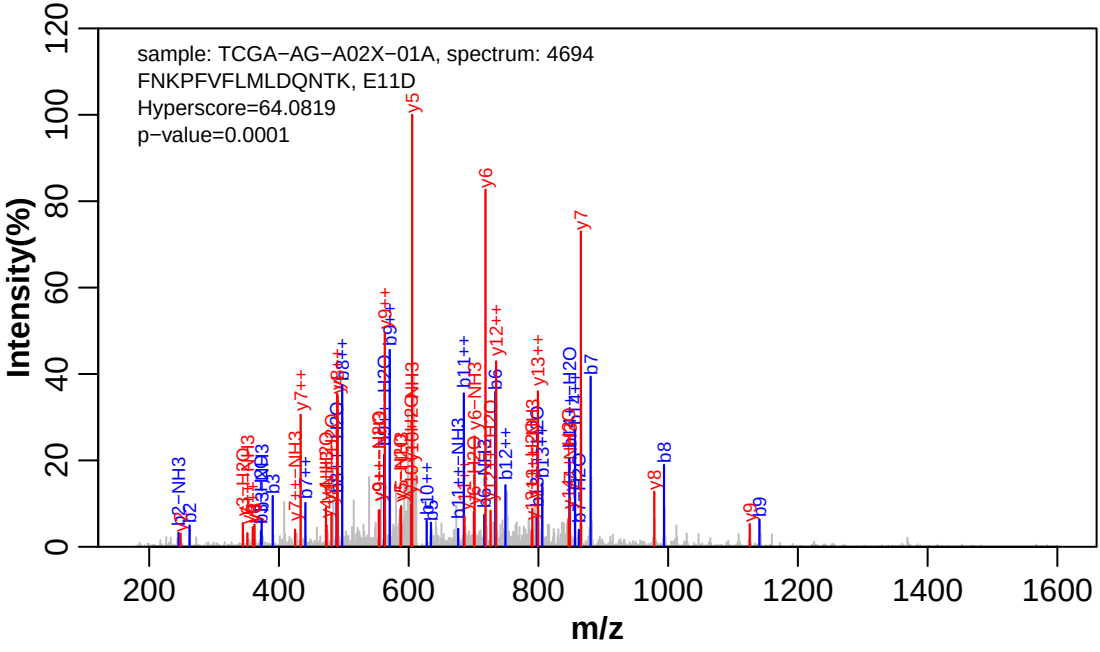

sample: TCGA−AG−A02X−01A, spectrum: 39900
EHTLHLEAELEK, S4L
Hyperscore=15.7284
p−value=0.0005
Intensity(%)
m/z
b2−H2O
b3−H2O
y3
b7++H2O
b8++H2O
b9++−H2O
y9++
y10++
b10++−H2O
b5−H2O
b11++−H2O
y6
y7
b9−H2O

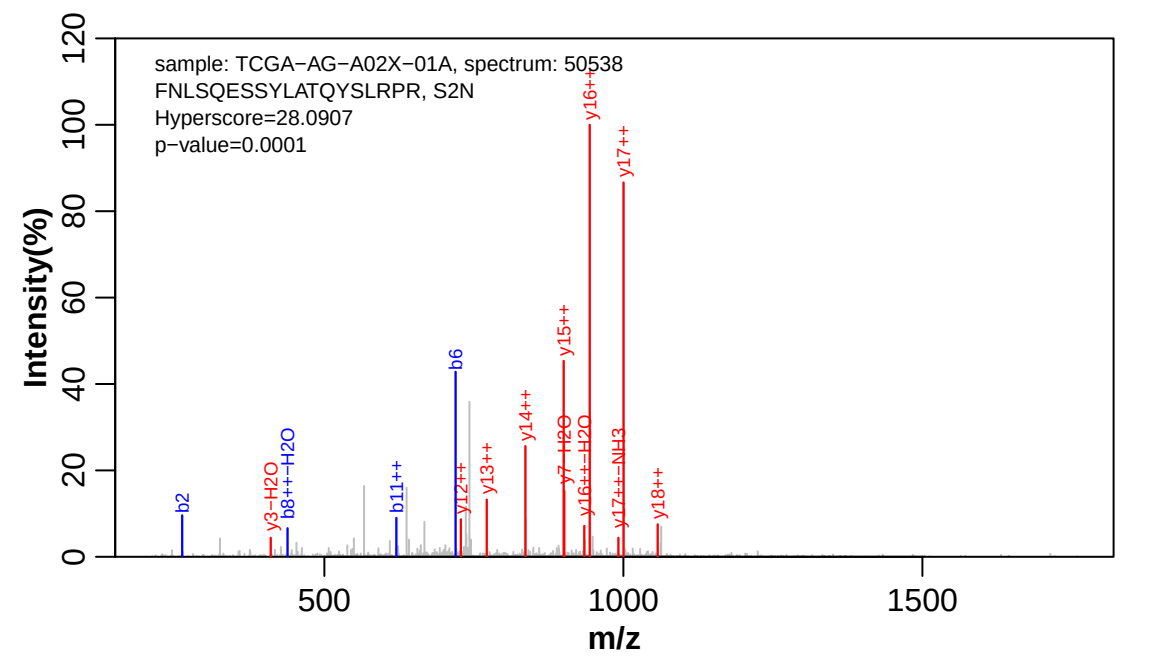

sample: TCGA−AG−A02X−01A, spectrum: 91903
EVAQQAVDADVHAVGVSTLAAGHK, I16V
Hyperscore=32.5907
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y17+++
y18+++
y19+++
y20+++−H2O
y20+++
y22+++
b6−H2O
y11++−NH3
b4−H2O
y14+++
y8−NH3
b8−NH3

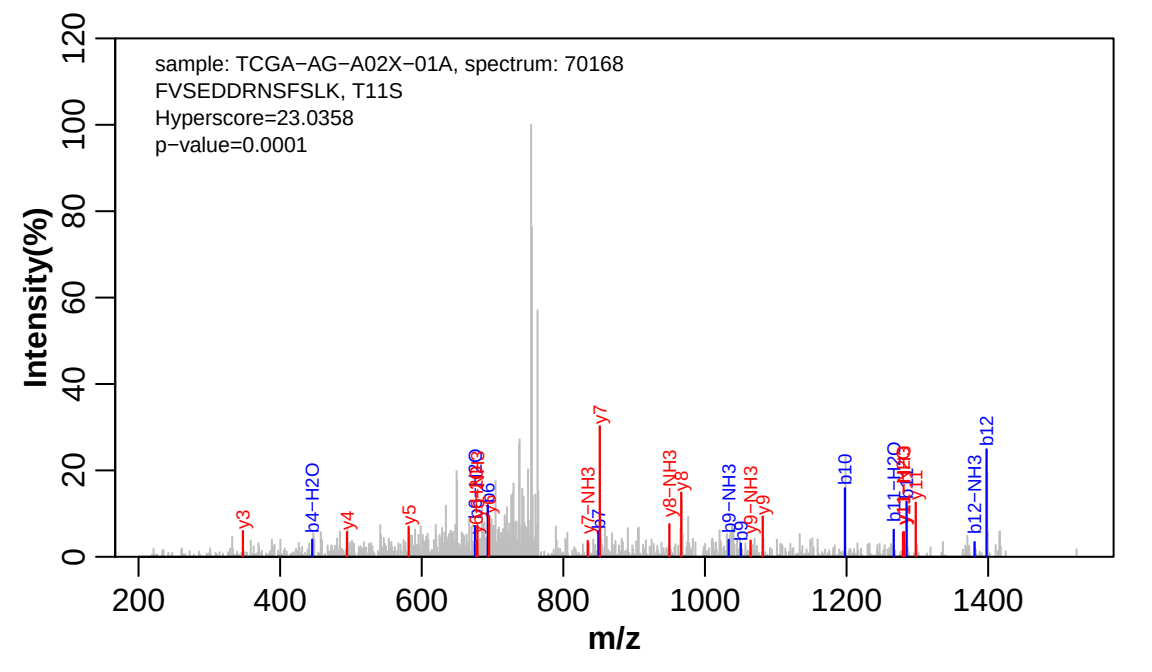

sample: TCGA−AG−A02X−01A, spectrum: 4530
FFGSLPDSWAR, S11R
Hyperscore=13.5229
p−value=0.0004
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b4−H2O
b4
y4
b5−NH3
b5−H2O
b5
y5−NH3
y5
y6−H2O
y6−NH3
y6
y7
y8
y9

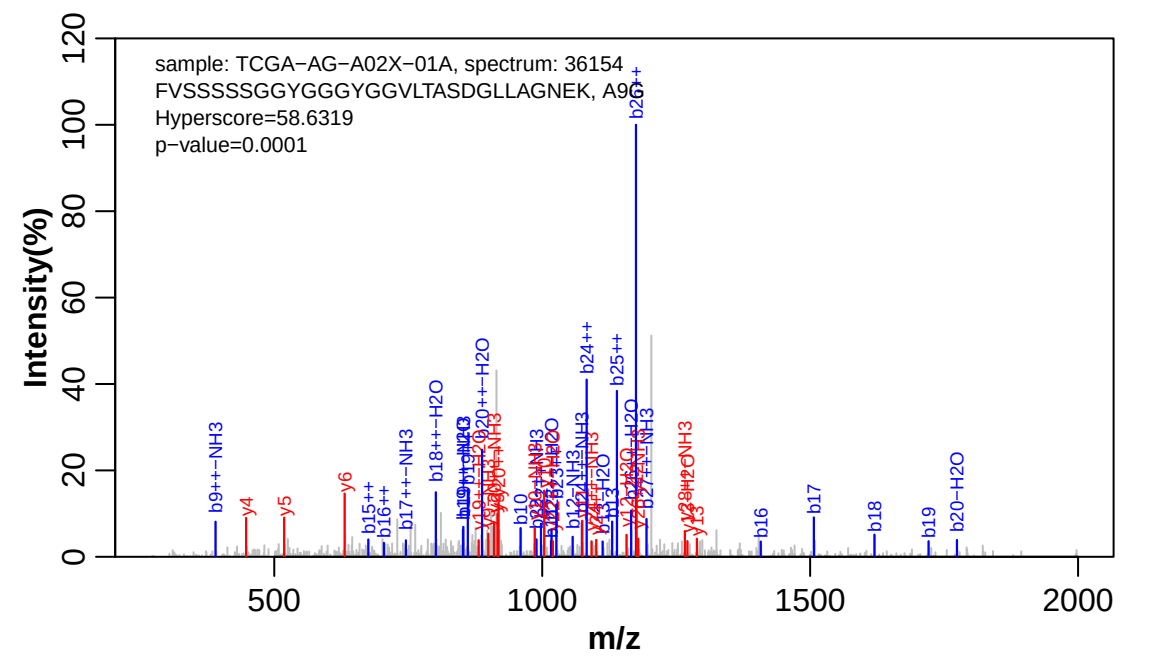

sample: TCGA−AG−A02X−01A, spectrum: 50052
FGLQAQLVTTDFQK, M7L
Hyperscore=51.5504
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y8
y10
y9
y11
y4
y3
b6
b8
b7
b5
b4
b3
b11
b13
b13−NH3
y7−H2O
y6−NH3
y6−NH3−H2O
b7−NH3−H2O

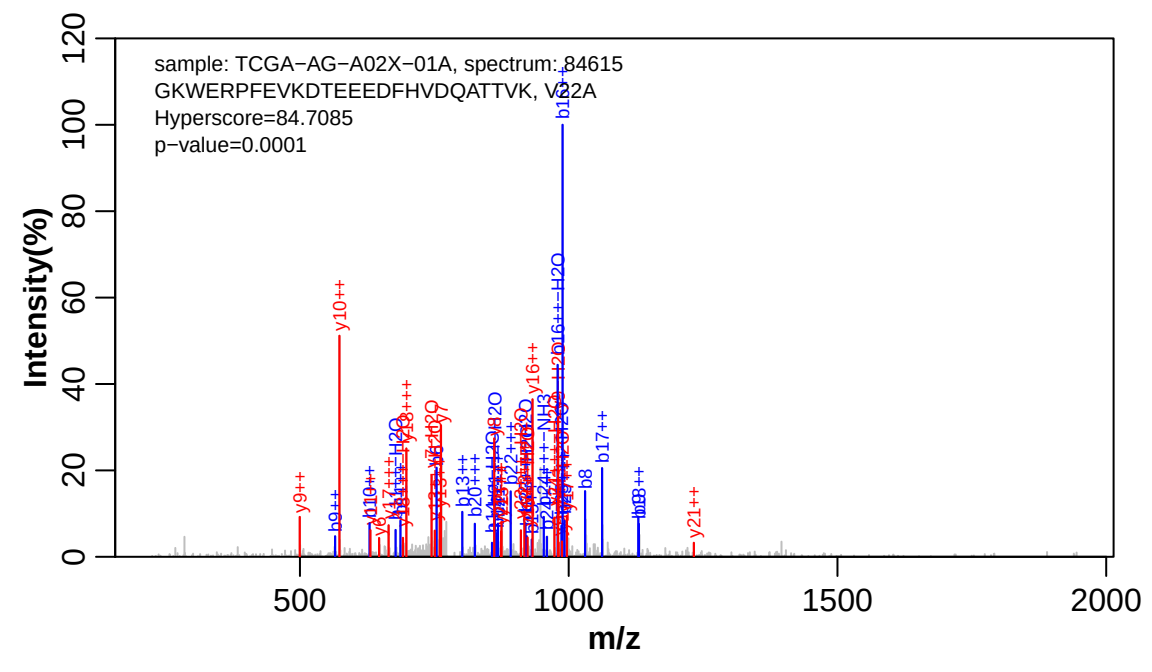

sample: TCGA−AG−A02X−01A, spectrum: 4916
FGQDLLSPLLSVR, K13R
Hyperscore=29.7150
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y3
b4−H2O
b4
b5−NH3
b5−H2O
b5
b6−NH3
b6−H2O
b6
y6
b7−H2O
b7
y7
y8
y9
b10
y10

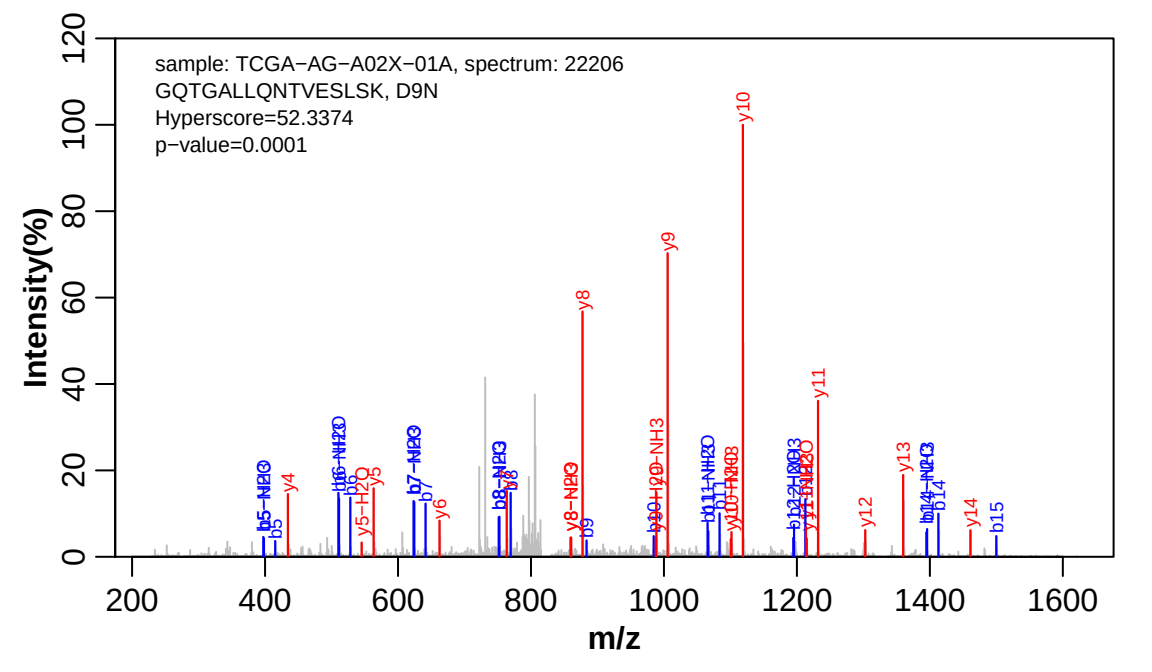

sample: TCGA−AG−A02X−01A, spectrum: 4694
FNKPFVFLMLDQNTK, E11D
Hyperscore=64.0819
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
y8
y9
b2−NH3
b2
b3
b7
b8
b9
b11++
b12++
y7++
y8++
y9++
y12++
y13++

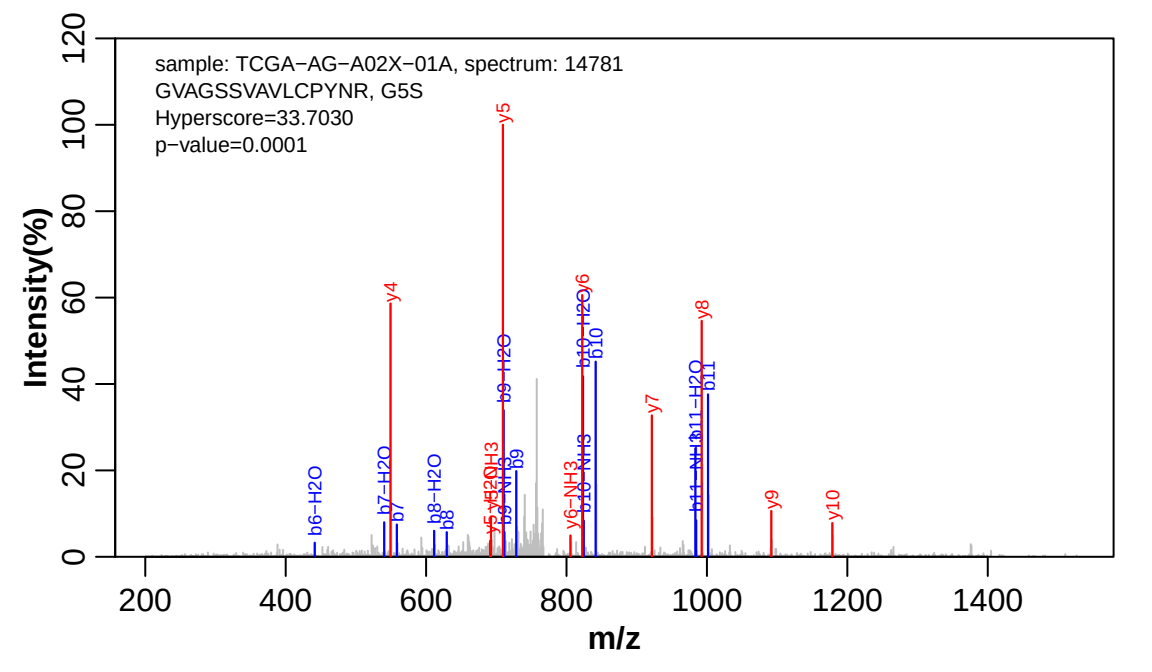

sample: TCGA−AG−A02X−01A, spectrum: 50538
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=28.0907
p−value=0.0001
Intensity(%)
m/z
b2
y3−H2O
b8++−H2O
b11++
b6
y12++
y13++
y14++
y15++
y7−H2O
y16++−H2O
y16++
y17++−NH3
y17++
y18++

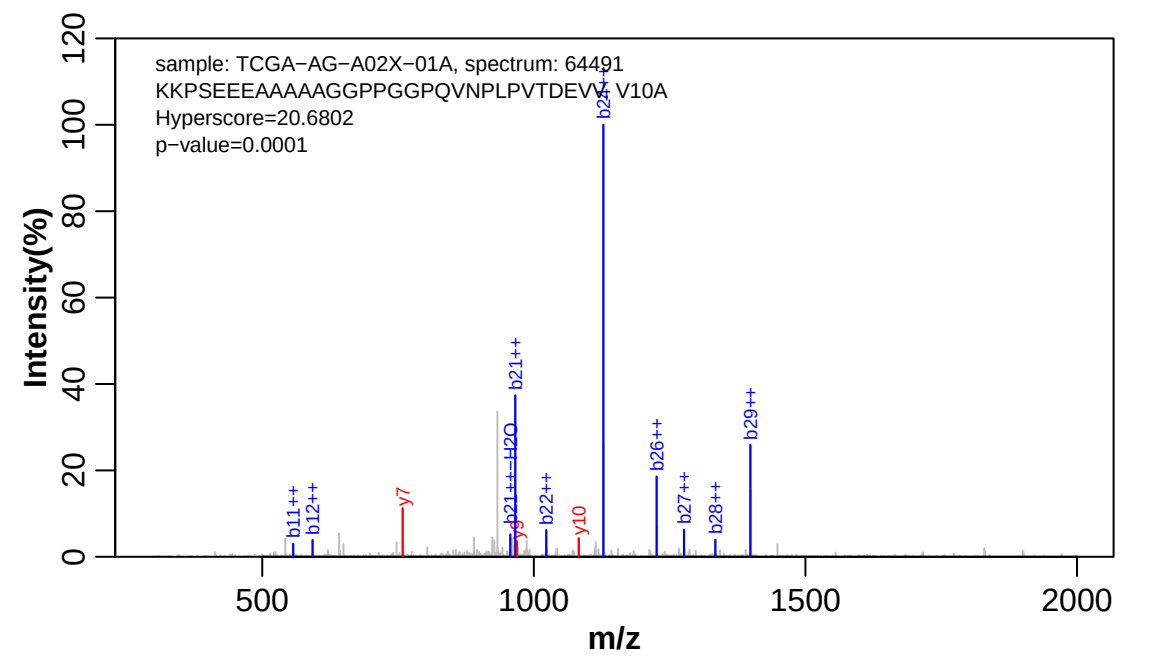

sample: TCGA−AG−A02X−01A, spectrum: 70168
FVSEDDRNSFSLK, T11S
Hyperscore=23.0358
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
b4−H2O
y4
y5
y7
y7−NH3
b7
y8−NH3
y8
b9−NH3
b9
y9−NH3
y9
b10
b11−H2O
y11−NH3
y11
b12−NH3
b12

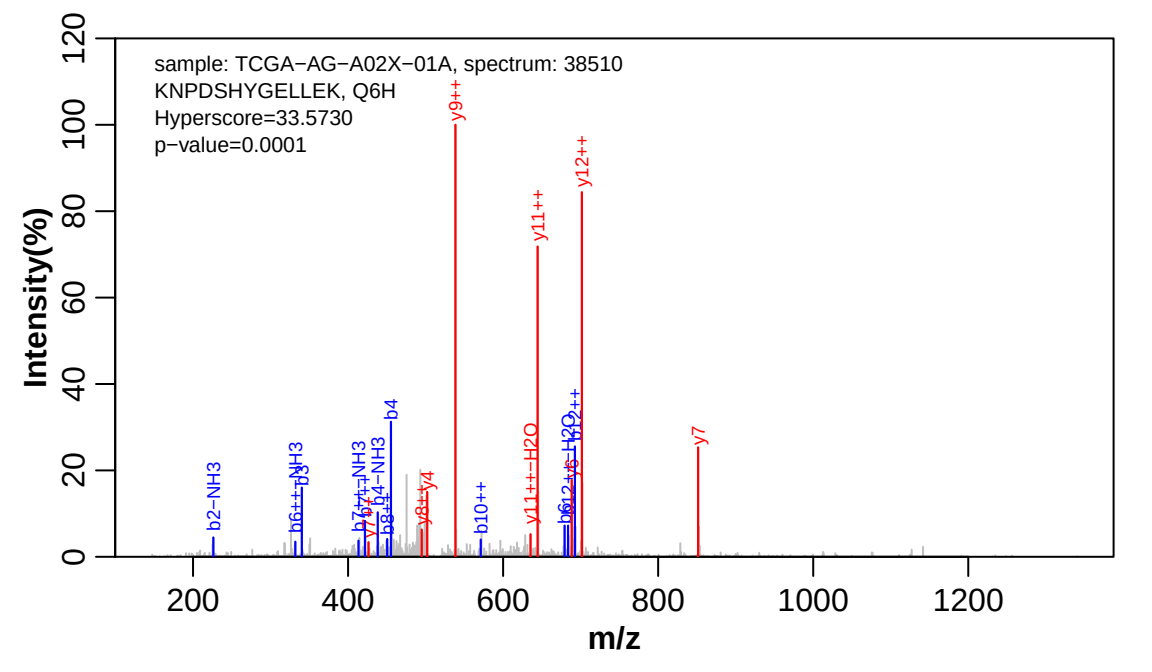

sample: TCGA−AG−A02X−01A, spectrum: 36154
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=58.6319
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b9++−NH3
y4
y5
y6
b15++
b16++
b17++−NH3
b18++−H2O
b10
b12−NH3
b24++
b25++
b26++
b16
b17
b18
b19
b20−H2O

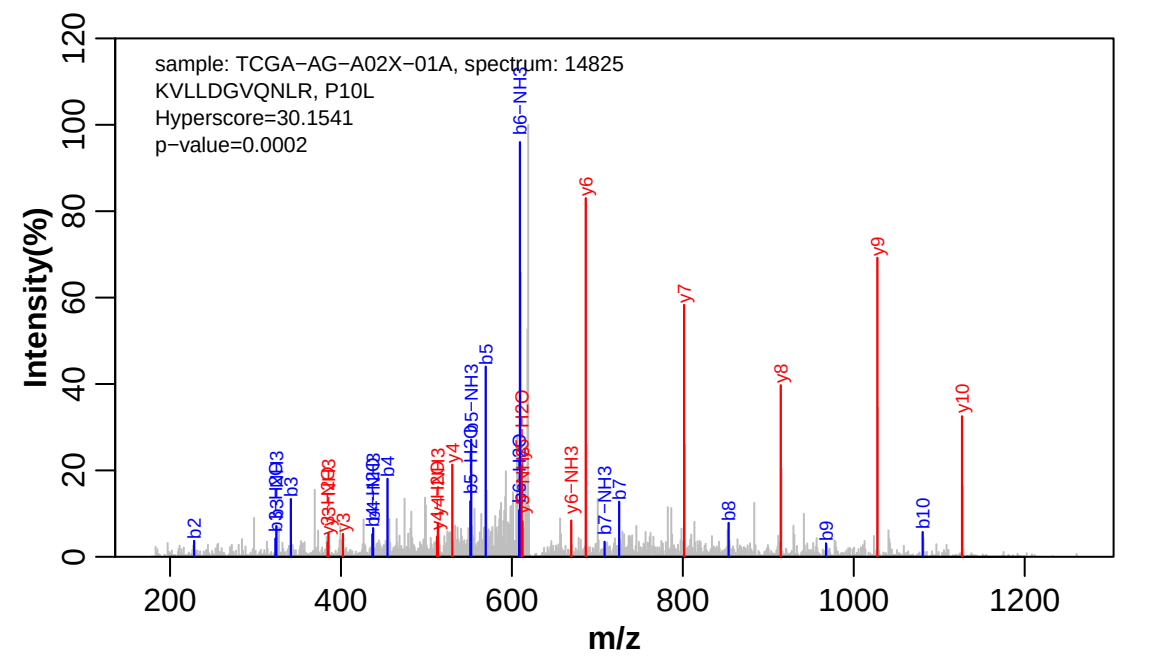

sample: TCGA−AG−A02X−01A, spectrum: 84615
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=84.7085
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y10++
b12++
y9++
b9++
b17++
b8
y21++
b13++
y16++
b22++
b24++−NH3
b24++−H2O
b24++
b16++−H2O

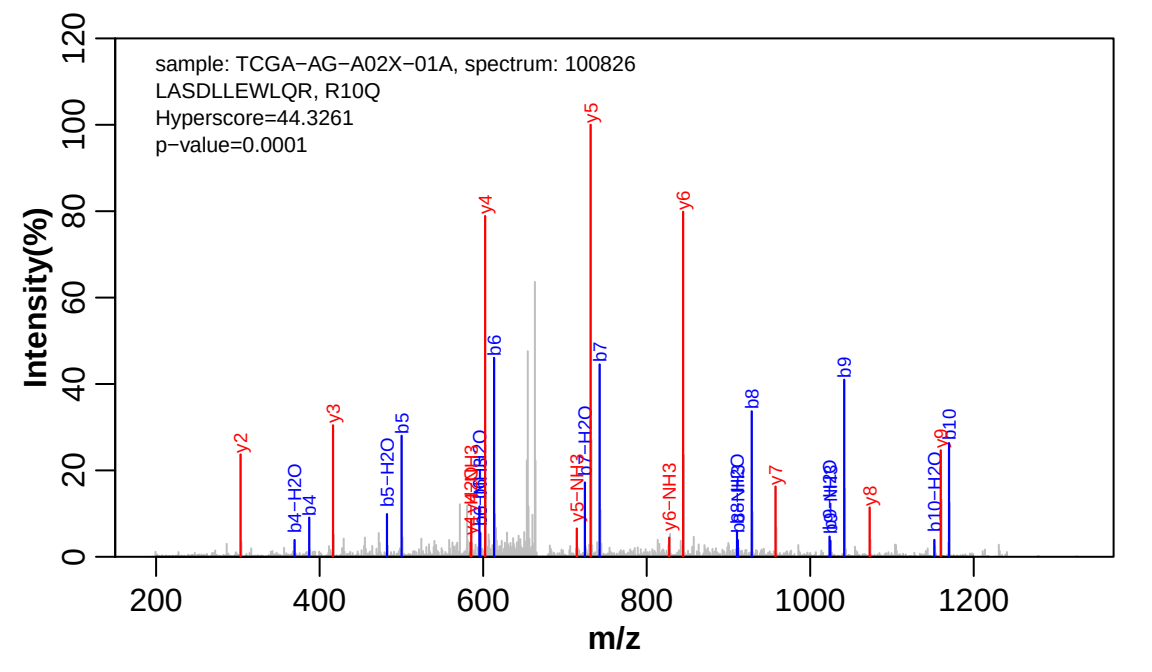

sample: TCGA−AG−A02X−01A, spectrum: 22206
GQTGALLQNTVESLSK, D9N
Hyperscore=52.3374
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y10
y9
y8
y11
y13
y12
y14
b15
y4
y6
y5
b7
b8
b14
b5
b6
b9
b11
b12

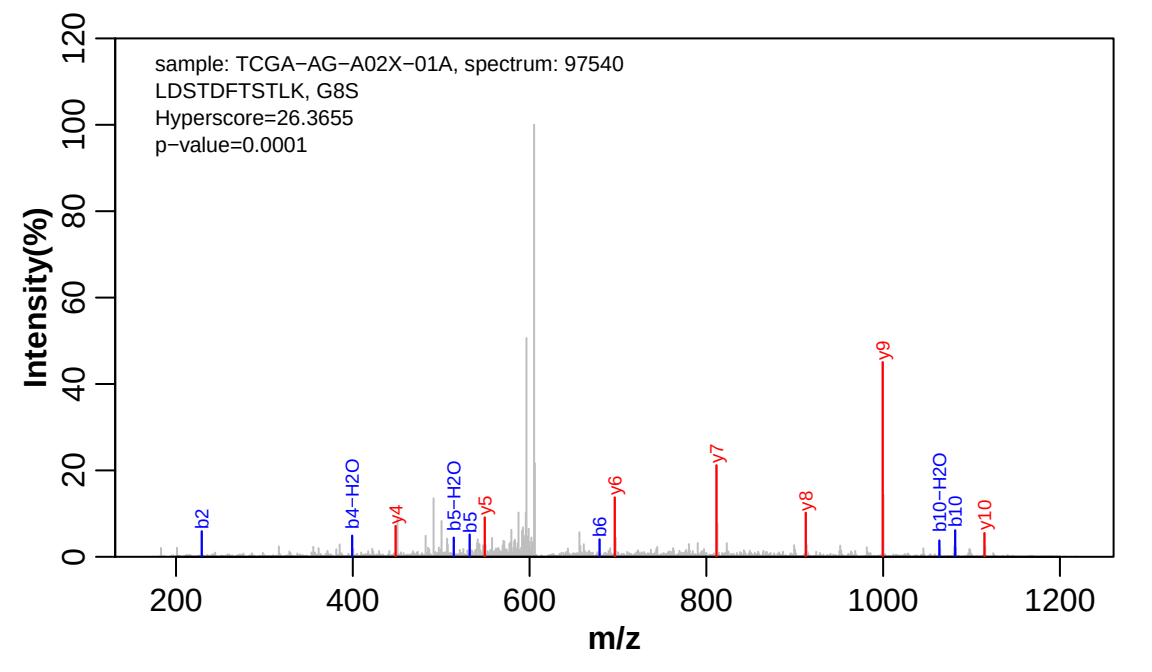

sample: TCGA−AG−A02X−01A, spectrum: 14781
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.7030
p−value=0.0001
Intensity(%)
m/z
y5
y4
y6
y8
y7
y9
y10
b6−H2O
b7−H2O
b7
b8−H2O
b8
b9−H2O
b9
b10−H2O
b10
b11
b11−H2O
y5−H2O
y5−NH3
y6−NH3
b10−NH3
b11−NH3

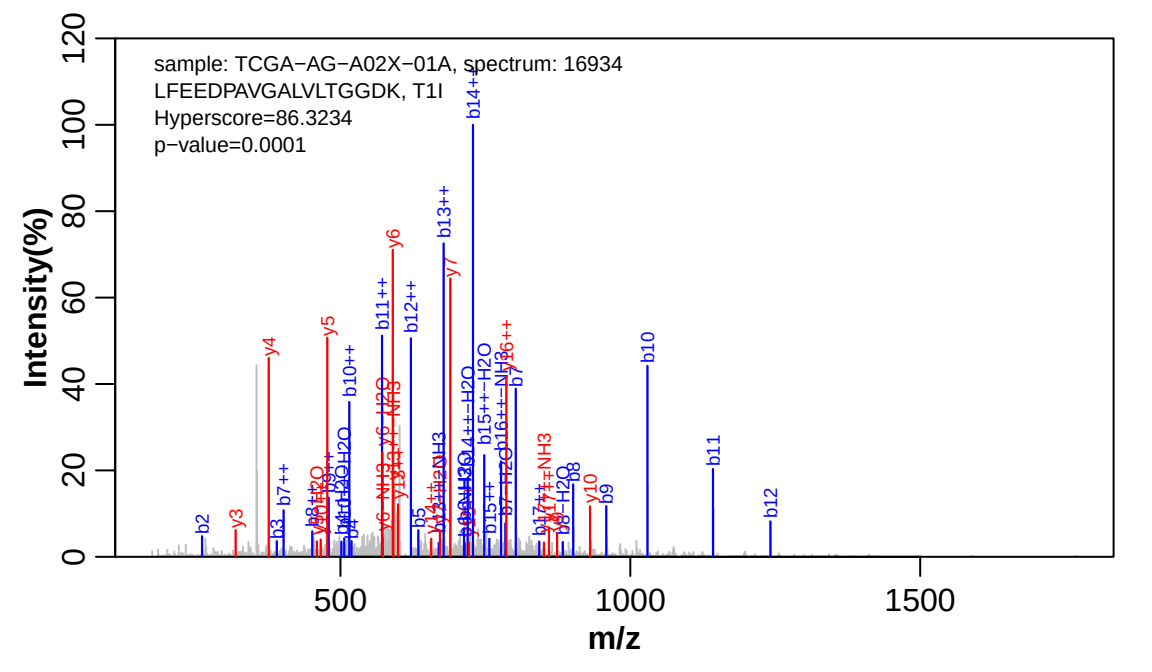

sample: TCGA−AG−A02X−01A, spectrum: 64491
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=20.6802
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b11++
b12++
y7
b21++ - H2O
y9
b21++
b22++
y10
b24++
b26++
b27++
b28++
b29++

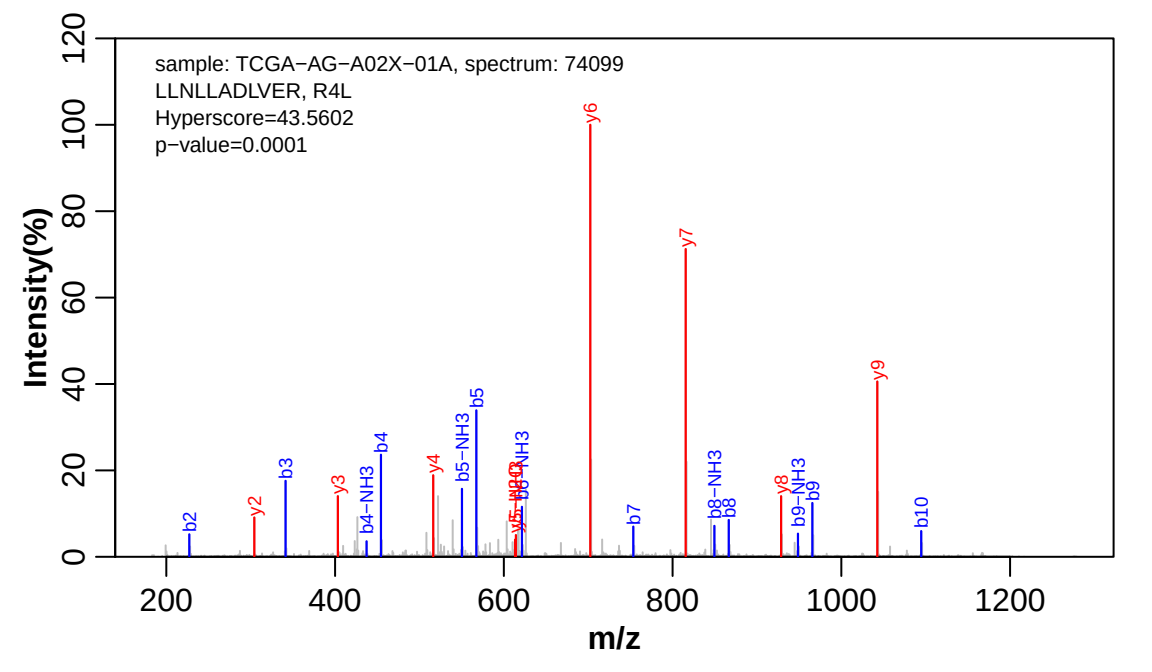

sample: TCGA−AG−A02X−01A, spectrum: 38510
KNPDSHYGELLEK, Q6H
Hyperscore=33.5730
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y9++
y12++
y11++
y7
b4
b2−NH3
b6++−NH3
b7++−NH3
b8++−NH3
y8++
b10++
y11++−H2O
b12++
y8++−H2O

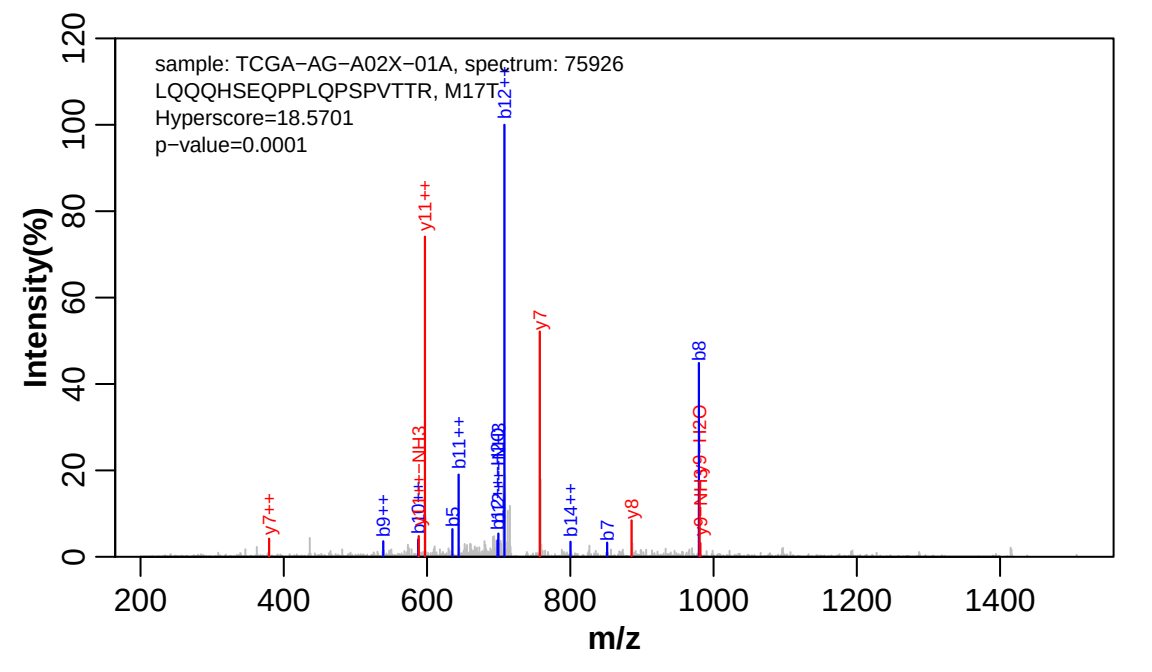

sample: TCGA−AG−A02X−01A, spectrum: 14825
KVLLDGVQNLR, P10L
Hyperscore=30.1541
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
b4
b5
b6−NH3
y3
y4
y6
y7
y8
y9
y10
y6−NH3
b5−NH3
b7−NH3
b7
b8
b9
b10

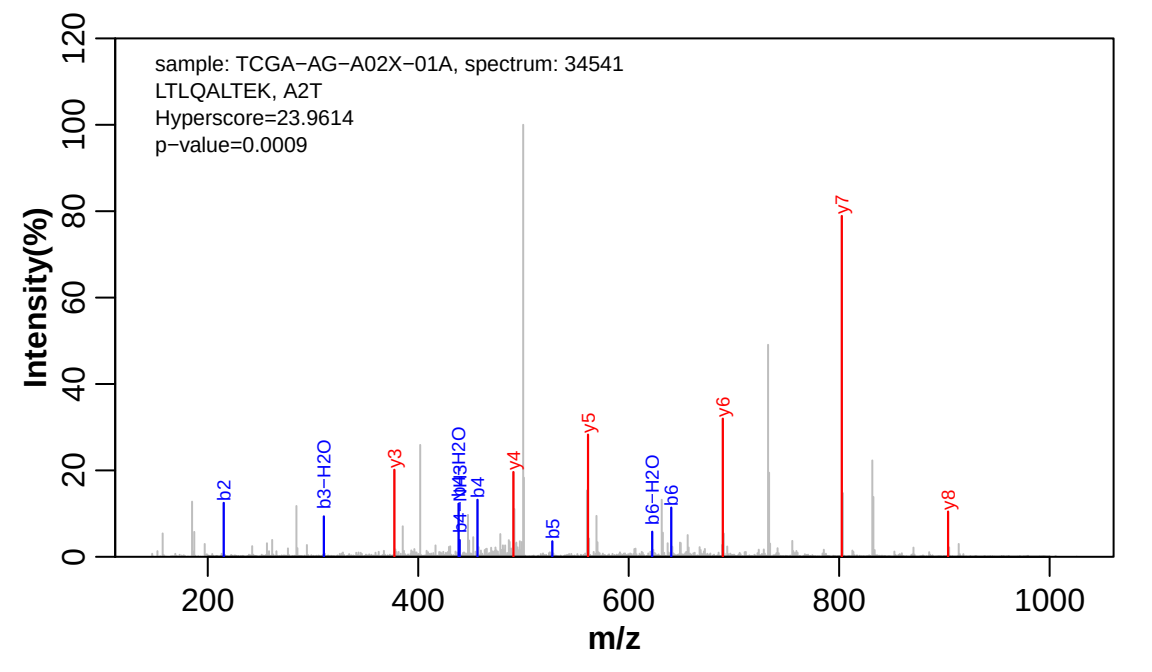

sample: TCGA−AG−A02X−01A, spectrum: 100826
LASDLLEWLQR, R10Q
Hyperscore=44.3261
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
y3
y4
y5
y6
y7
y8
b4−H2O
b4
b5−H2O
b5
b6
b7
b8
b9
b10−H2O
b10
y5−NH3
y6−NH3

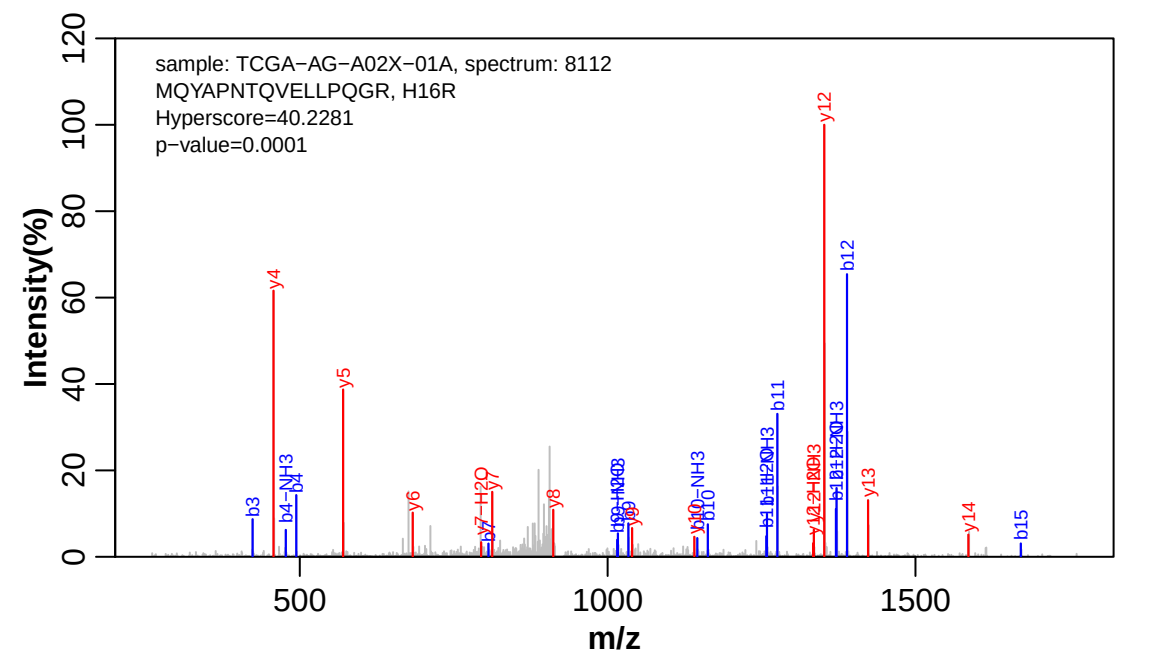

sample: TCGA−AG−A02X−01A, spectrum: 97540
LDSTDFTSTLK, G8S
Hyperscore=26.3655
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
b6
y6
y7
y8
y9
b10−H2O
b10
y10

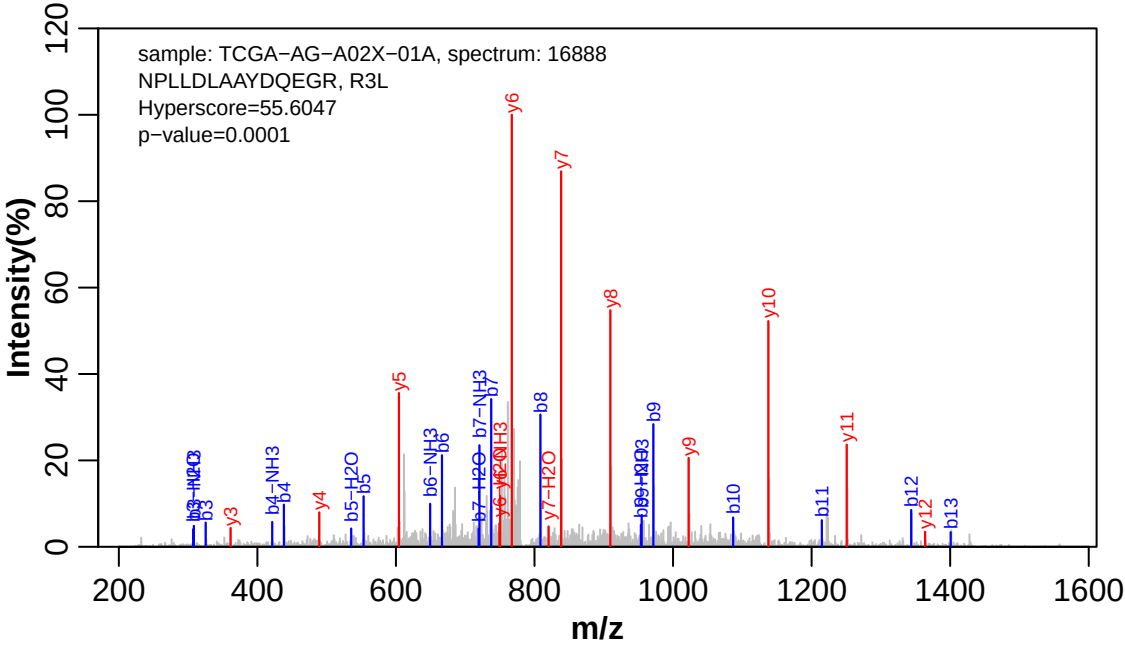

sample: TCGA−AG−A02X−01A, spectrum: 16934
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=86.3234
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
y4
b3
b7++
y5
b10++
b11++
b12++
y6
b13++
y7
b14++
b10
b11
b12
y10
b9

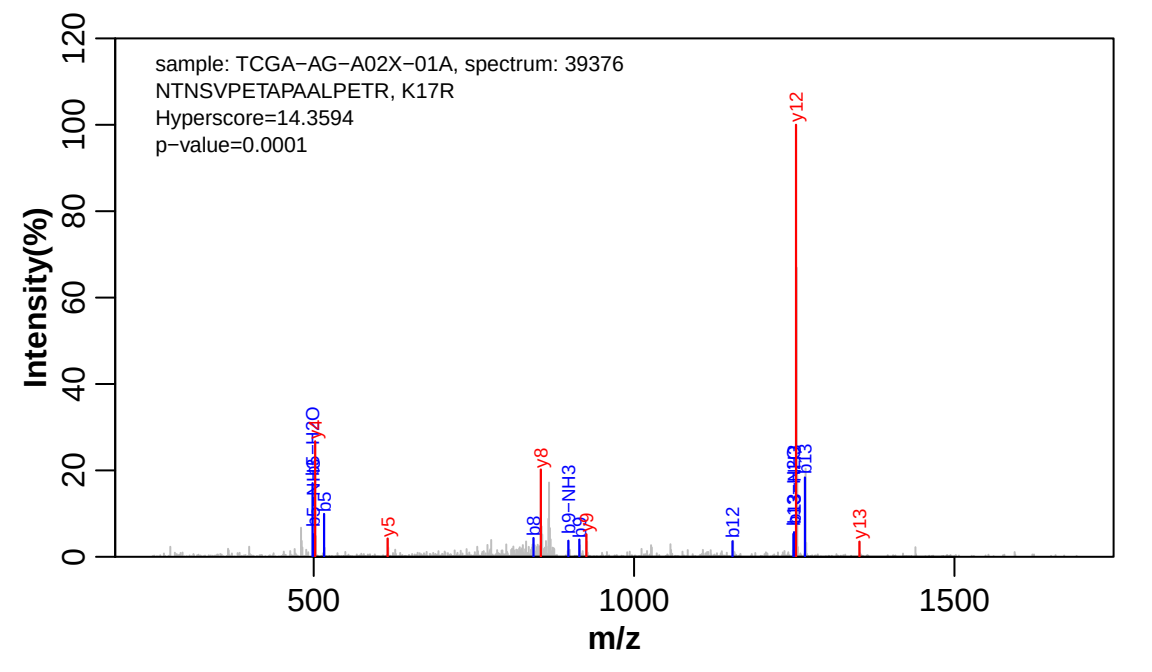

sample: TCGA−AG−A02X−01A, spectrum: 74099
LLNLLADLVER, R4L
Hyperscore=43.5602
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

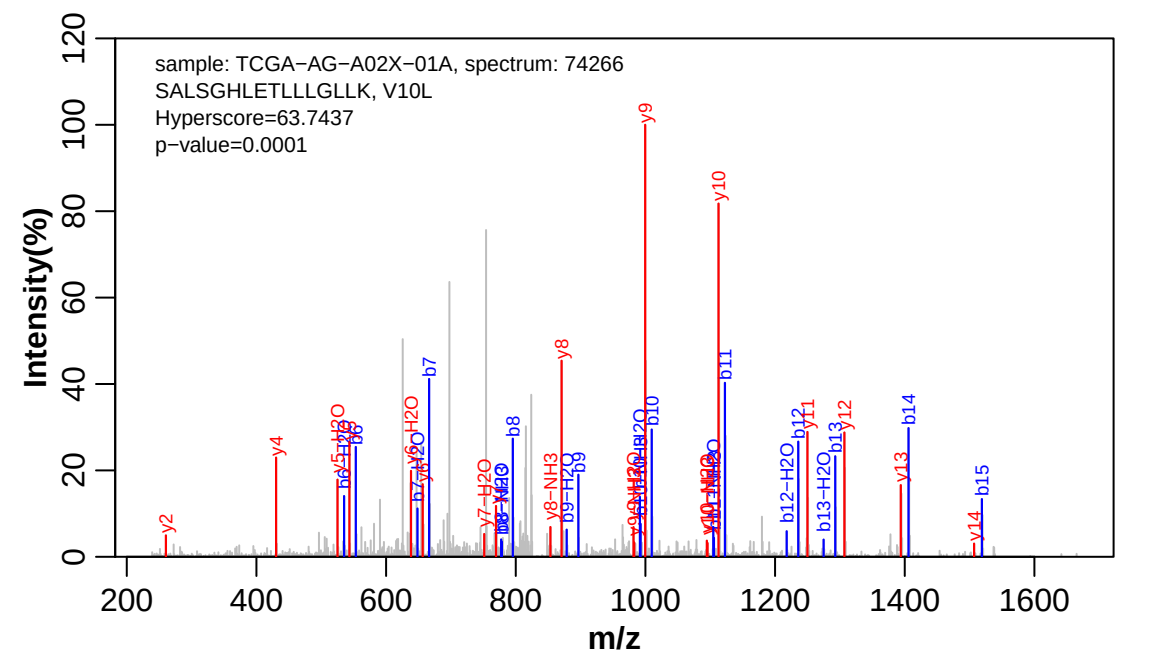

sample: TCGA−AG−A02X−01A, spectrum: 75926
LQQQHSEQPPLQPSPVTTR, M177
Hyperscore=18.5701
p−value=0.0001
Intensity(%)
m/z
y7++
b9++
b10++−NH3
y11++
b5
b11++
b12++
b12++−H2O
b12++−NH3
b12+
y7
b14++
b7
y8
y9−NH3
y9−H2O
b8
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

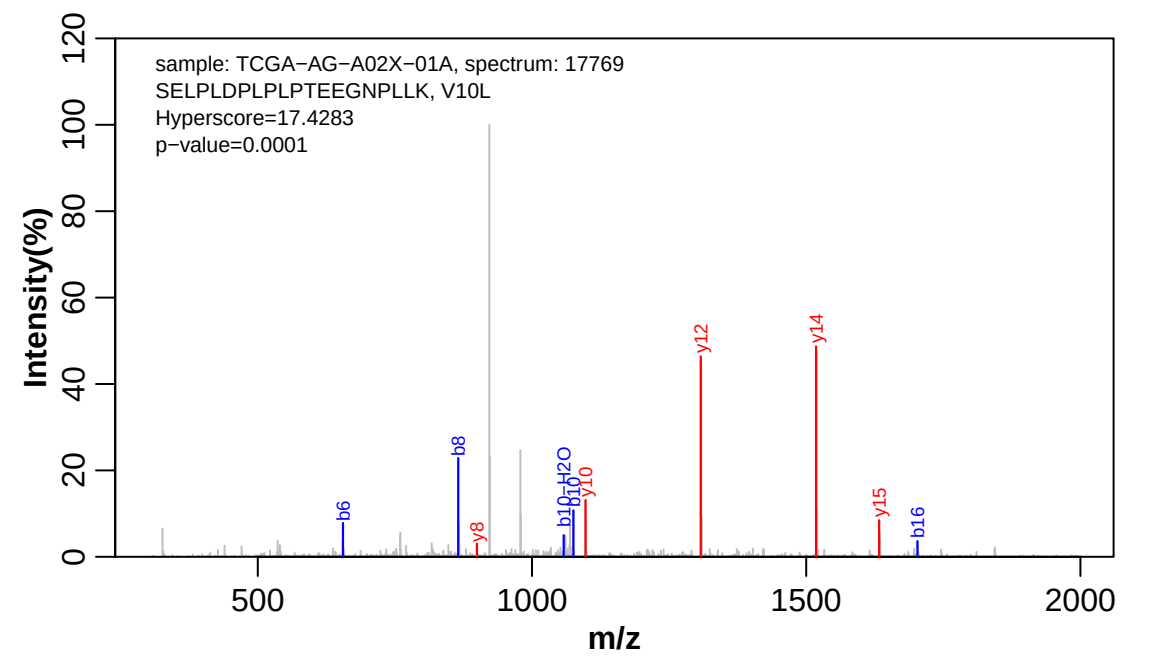

sample: TCGA−AG−A02X−01A, spectrum: 34541
LTLQALTEK, A2T
Hyperscore=23.9614
p−value=0.0009
Intensity(%)
m/z
b2
b3−H2O
y3
b4−NH3
b4−H2O
b4
y4
b5
y5
b6−H2O
b6
y6
y7
y8

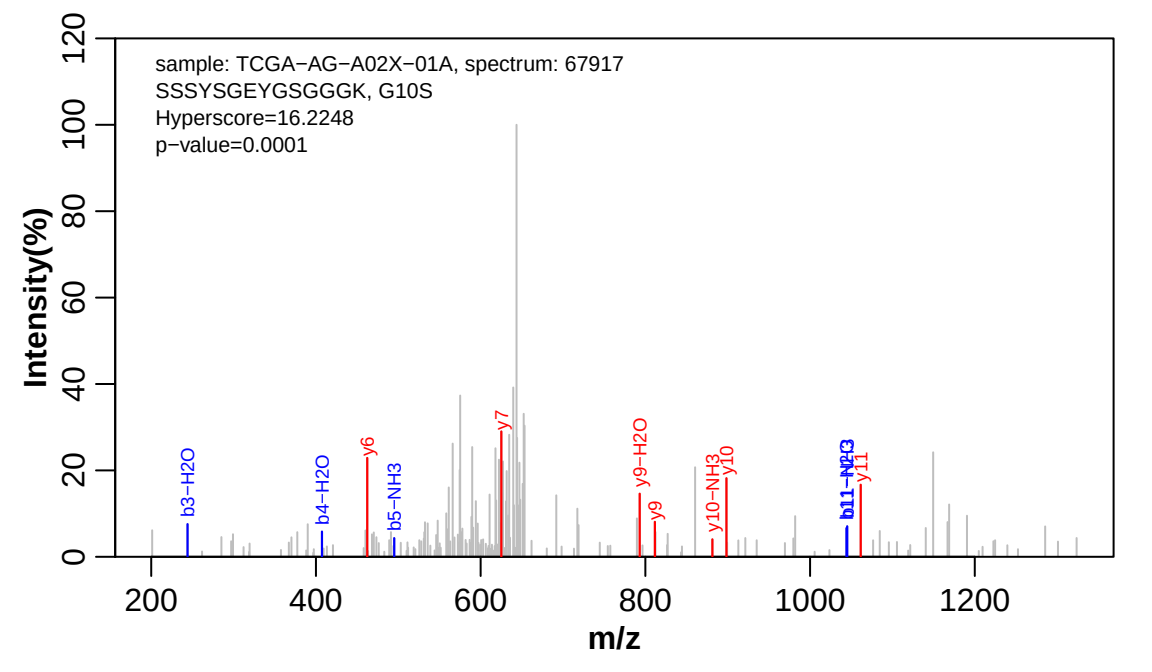

sample: TCGA−AG−A02X−01A, spectrum: 8112
MQYAPNTQVELLPQGR, H16R
Hyperscore=40.2281
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
b12
y4
y5
b11
b3
b4−NH3
b4
y6
y7−H2O
y7
y8
y10−NH3
b10
y13
y14
b15

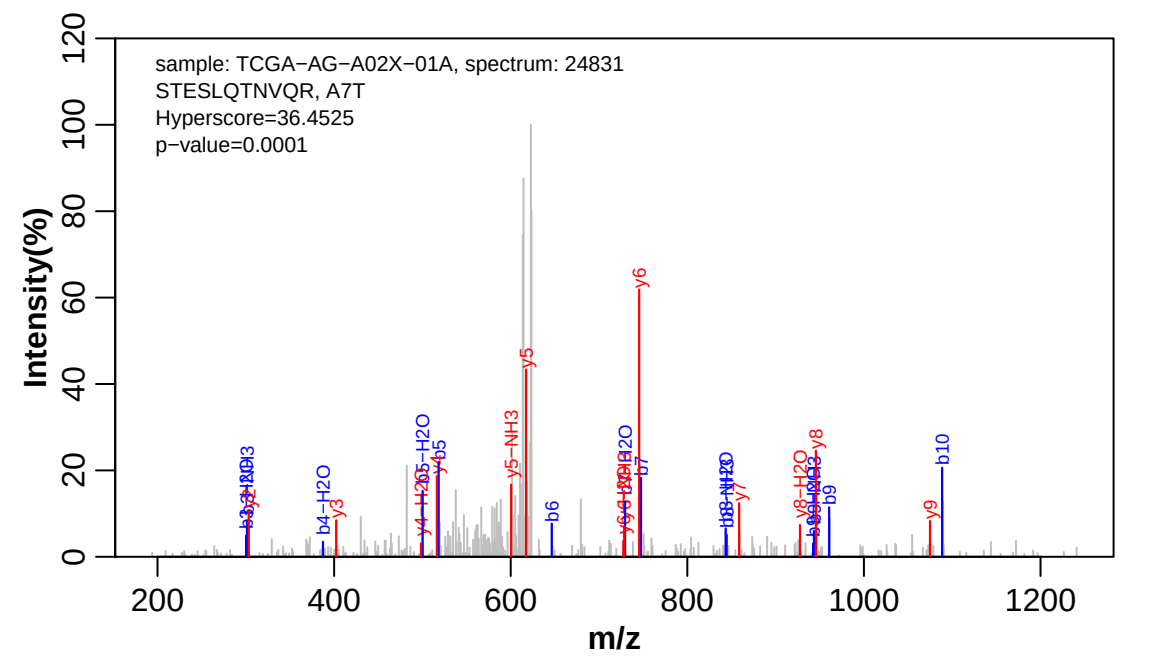

sample: TCGA−AG−A02X−01A, spectrum: 16888
NPLLDLAAYDQEGR, R3L
Hyperscore=55.6047
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y7
y8
y10
y5
b8
b7−NH3
b7
b6−NH3
b6
y6−H2O−NH3
y7−H2O
b9
y9
y11
b4−NH3
b4
y4
b5−H2O
b5
b10
b11
b12
y12
b13
y3

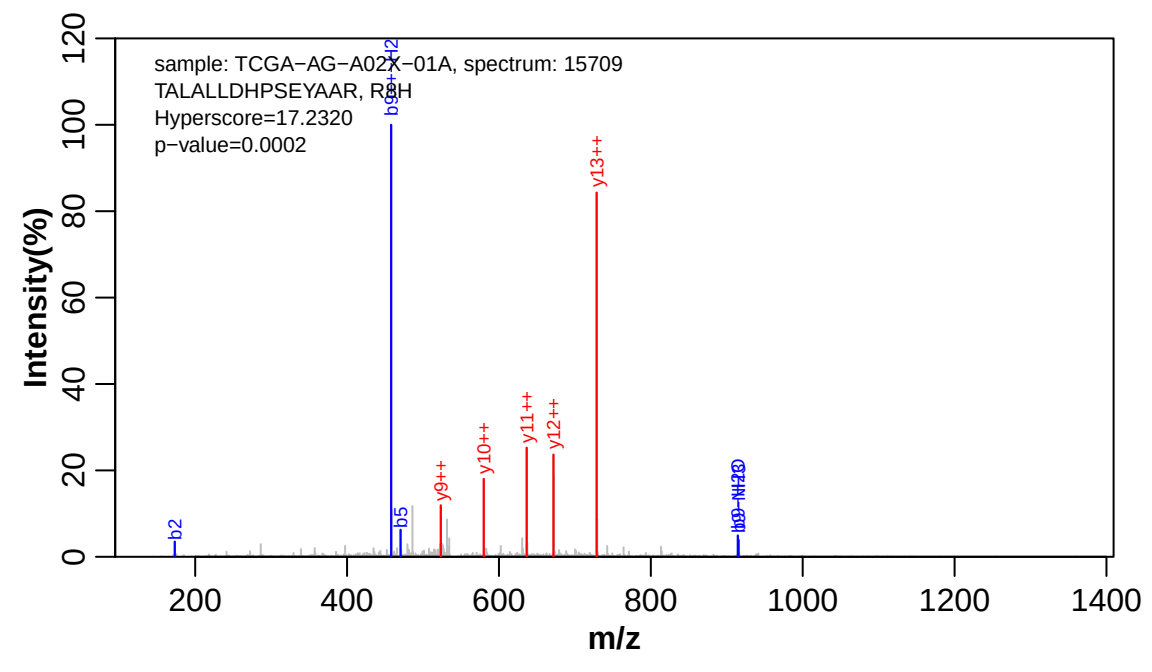

sample: TCGA−AG−A02X−01A, spectrum: 39376
NTNSVPETAPAALPETR, K17R
Hyperscore=14.3594
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y12
y8
b9−NH3
b5−NH3−H2O
b5
y5
b8
b9
b12
b13−NH3
b13
y13

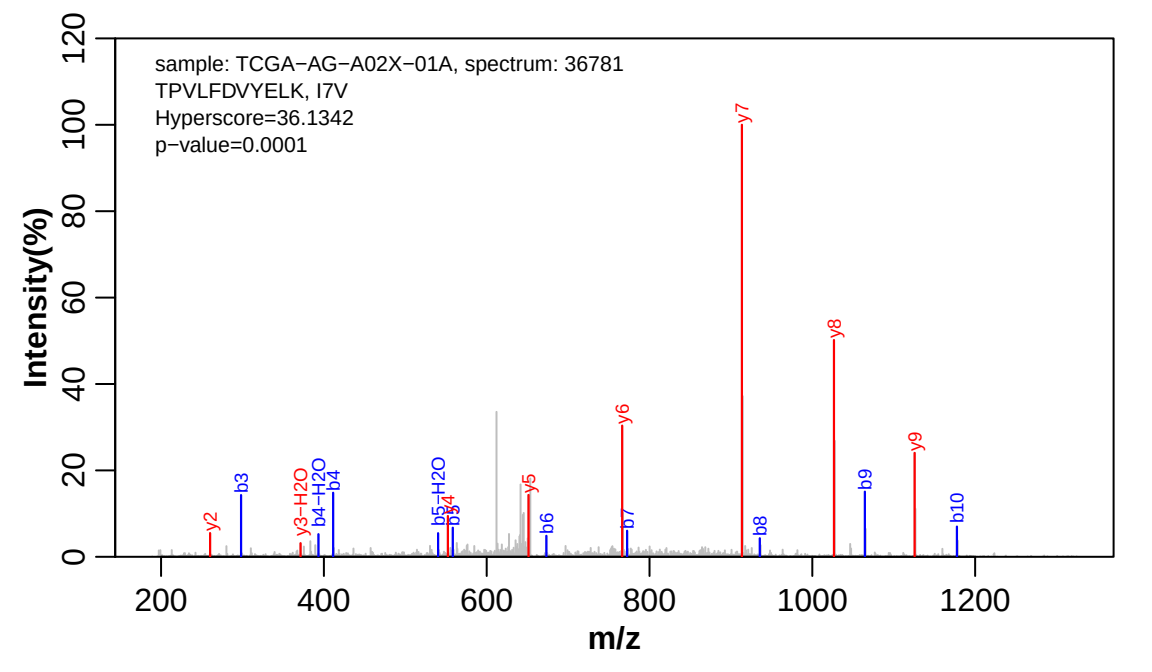

sample: TCGA−AG−A02X−01A, spectrum: 74266
SALSGHLETLLLGLLK, V10L
Hyperscore=63.7437
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
y4
y5−H2O
b5
b6−H2O
b6
y6−H2O
y6
b7
y7−H2O
b8
y8−NH3
y8
b9−H2O
b9
y9
b10
y10
b11
b12−H2O
b12
y11
b13−H2O
b13
y12
y13
b14
y14
b15

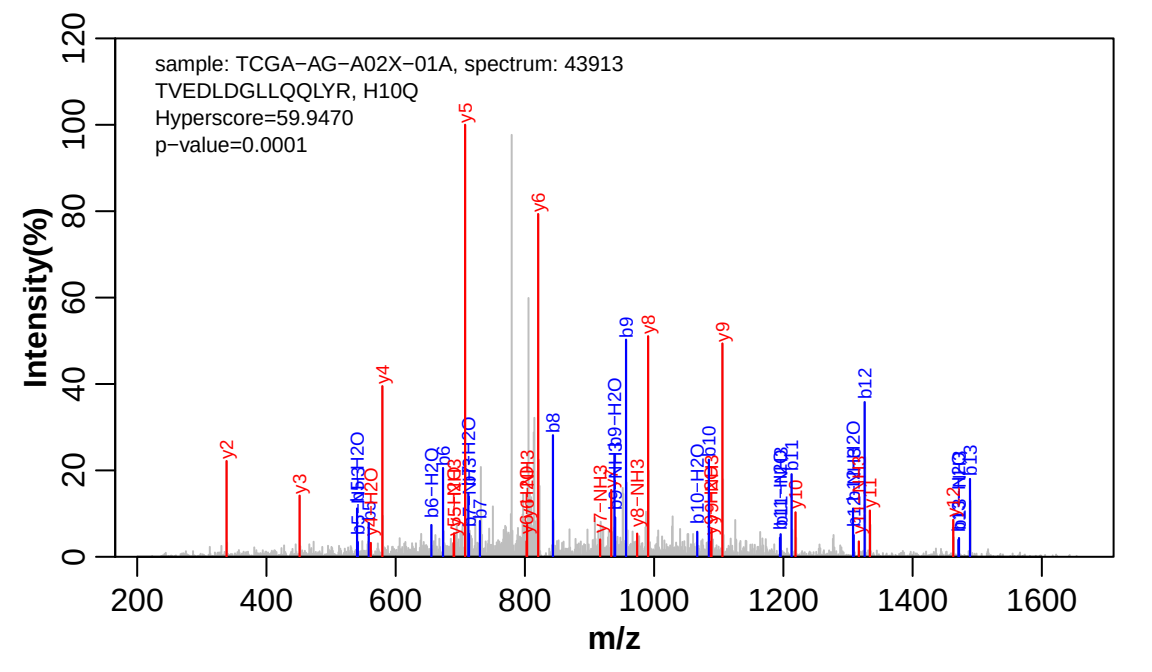

sample: TCGA−AG−A02X−01A, spectrum: 17769
SELPLDPLPLPTEEGNPLLK, V10L
Hyperscore=17.4283
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
b6
b8
y8
b10-H2O
b10
y10
y12
y14
y15
b16

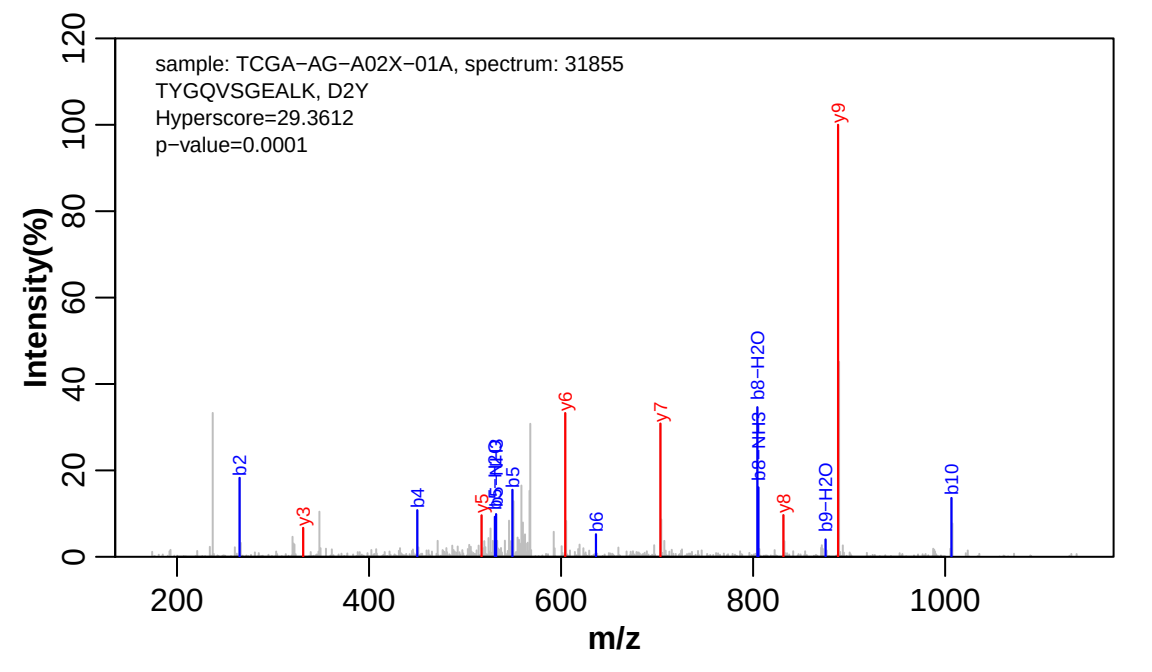

sample: TCGA−AG−A02X−01A, spectrum: 67917
SSSYSGEYGSGGGK, G10S
Hyperscore=16.2248
p−value=0.0001
Intensity(%)
m/z
b3−H2O
b4−H2O
y6
b5−NH3
y7
y9−H2O
y9
y10−NH3
y10
y11

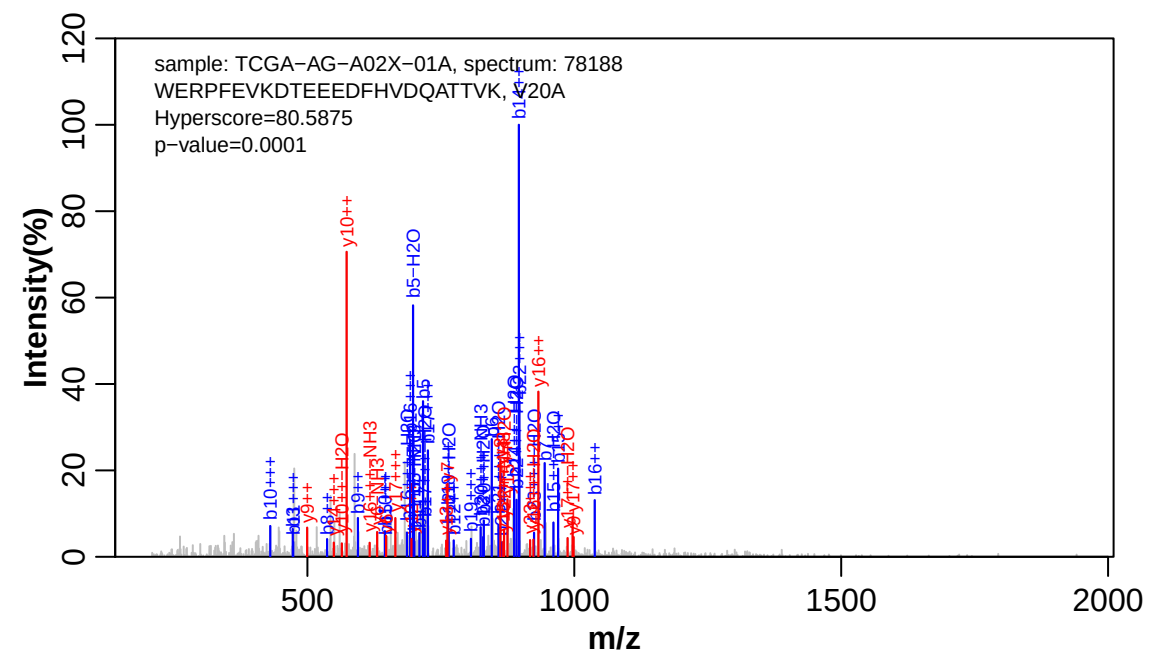

sample: TCGA−AG−A02X−01A, spectrum: 24831
STESLQTNVQR, A7T
Hyperscore=36.4525
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b4−H2O
y3
y4−H2O
y5−H2O
y5
y5−NH3
y5
b6
y6
b7
y7
y8−H2O
y8
b9
y9
b10

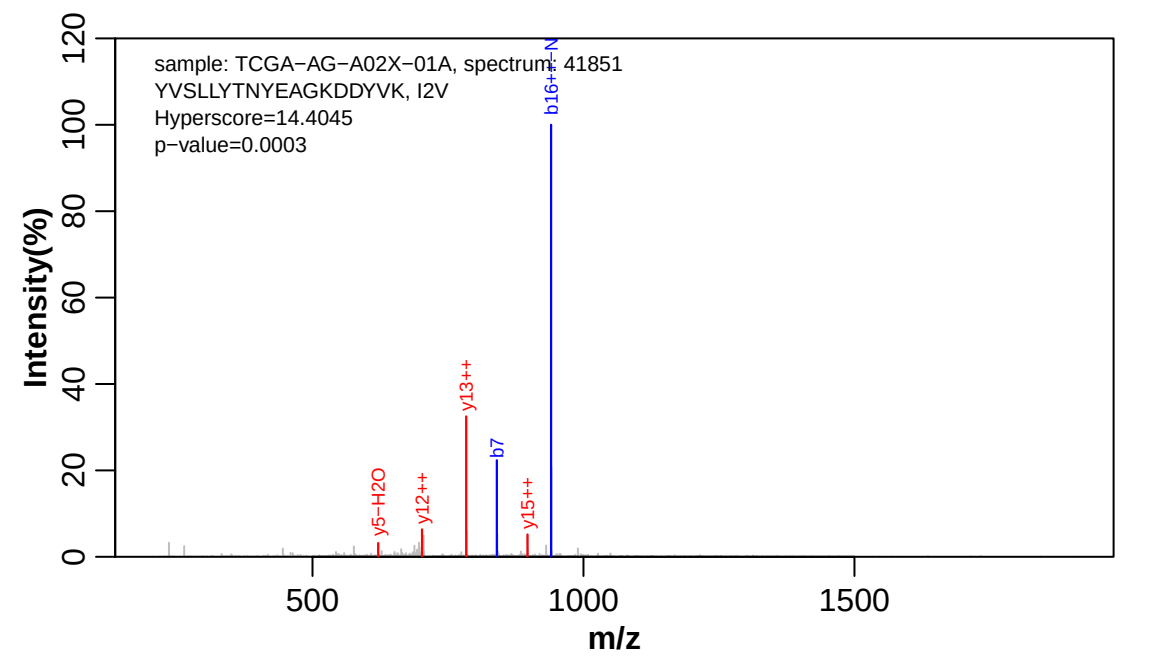

sample: TCGA−AG−A02X−01A, spectrum: 15709
TALALLDHPSEYAAR, R8H
Hyperscore=17.2320
p−value=0.0002
b9++-H2O
y13++
y11++
y12++
y10++
y9++
b5
b2
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

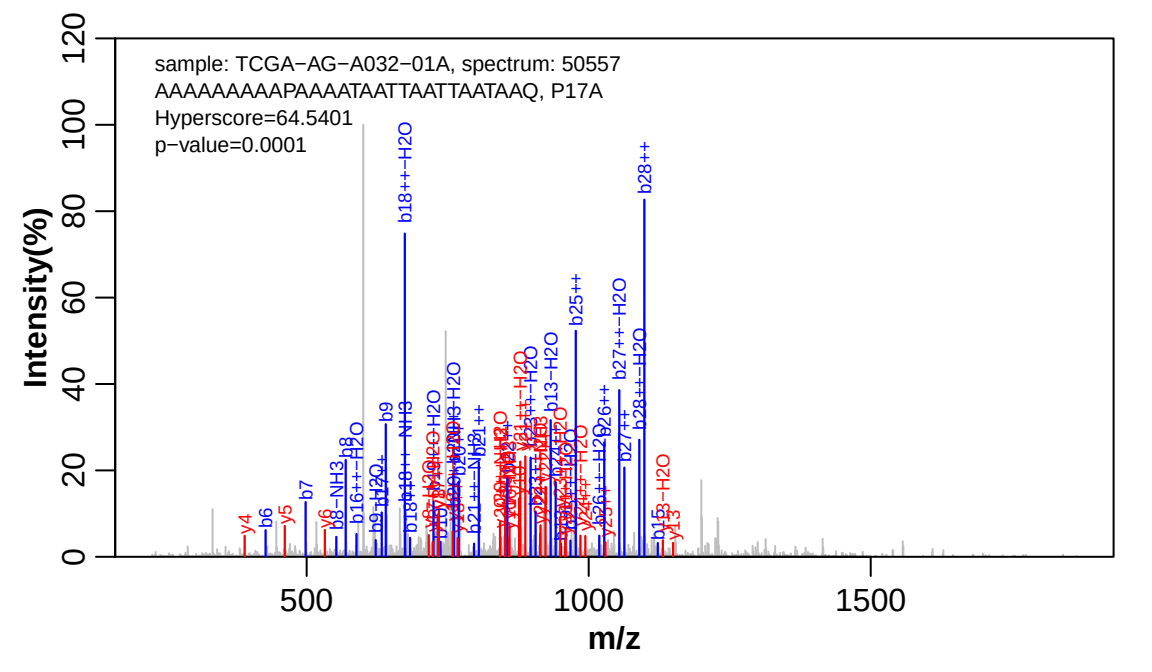

sample: TCGA−AG−A02X−01A, spectrum: 36781
TPVLFDVYELK, I7V
Hyperscore=36.1342
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3−H2O
b4−H2O
b4
b5−H2O
b5
b4
y5
b6
y6
b7
y7
b8
y8
b9
y9
b10

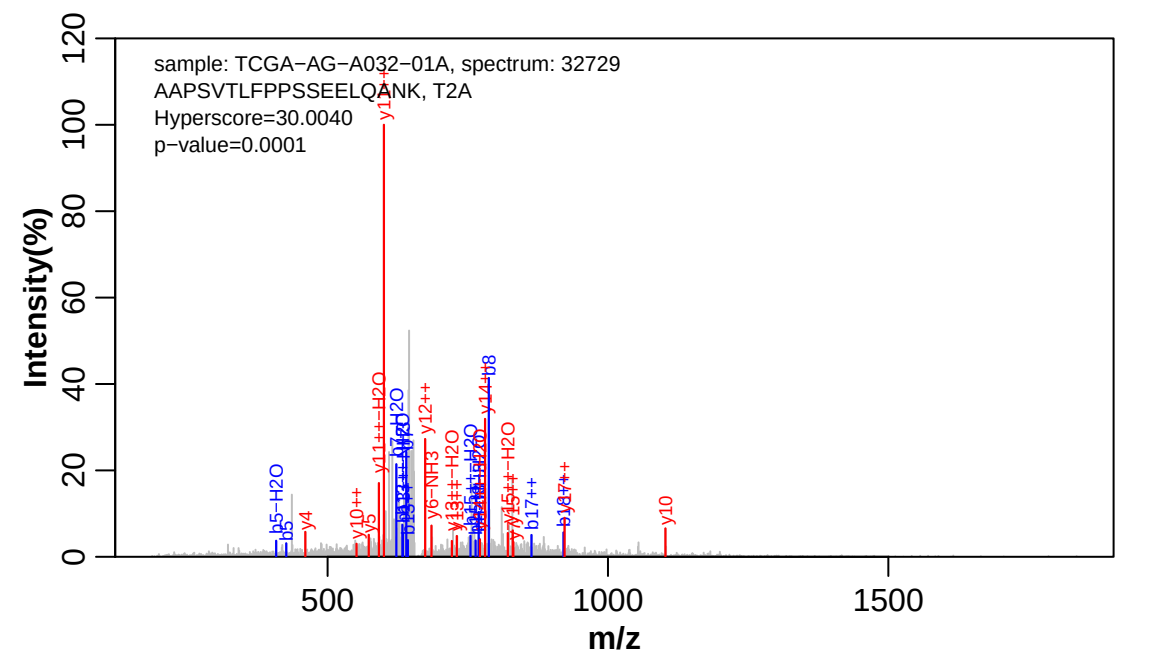

sample: TCGA−AG−A02X−01A, spectrum: 43913
TVEDLDGLLQQLYR, H10Q
Hyperscore=59.9470
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y4
y2
y3
b9
y8
y9
b8
b12
b13
y7−NH3
y8−NH3
b9−H2O
b10−H2O
y10
y11
b6−H2O

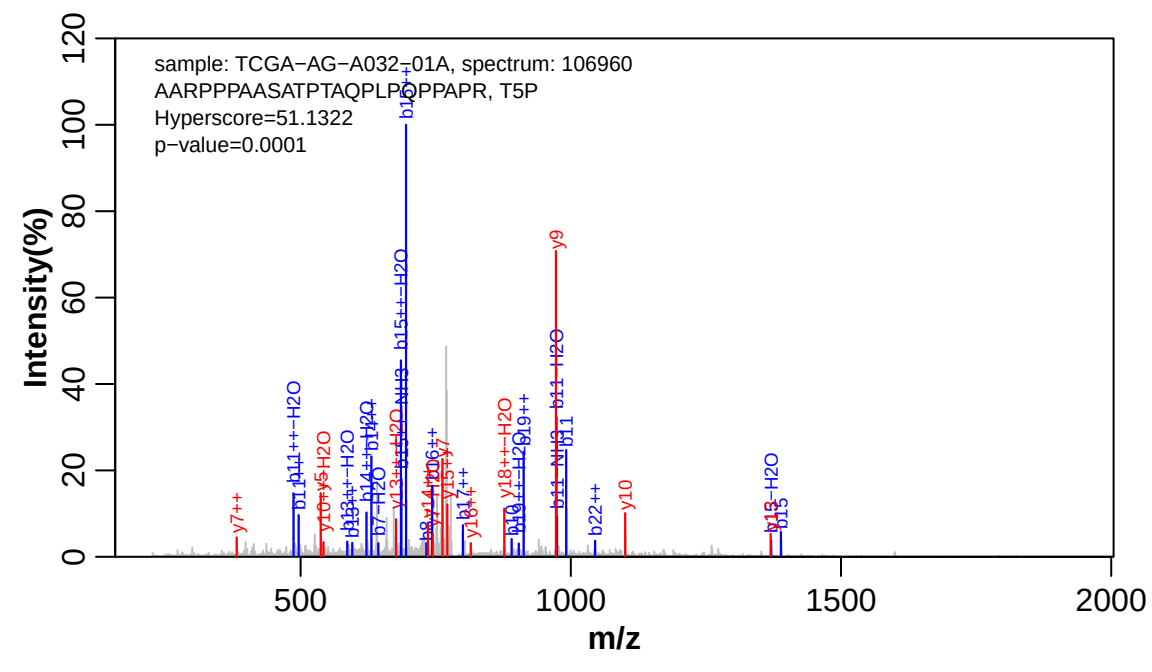

sample: TCGA−AG−A02X−01A, spectrum: 31855
TYGQVSGEALK, D2Y
Hyperscore=29.3612
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
y3
b4
y5
b5
y6
b6
y7
b8−H2O
b8−NH3
y8
b9−H2O
y9
b10

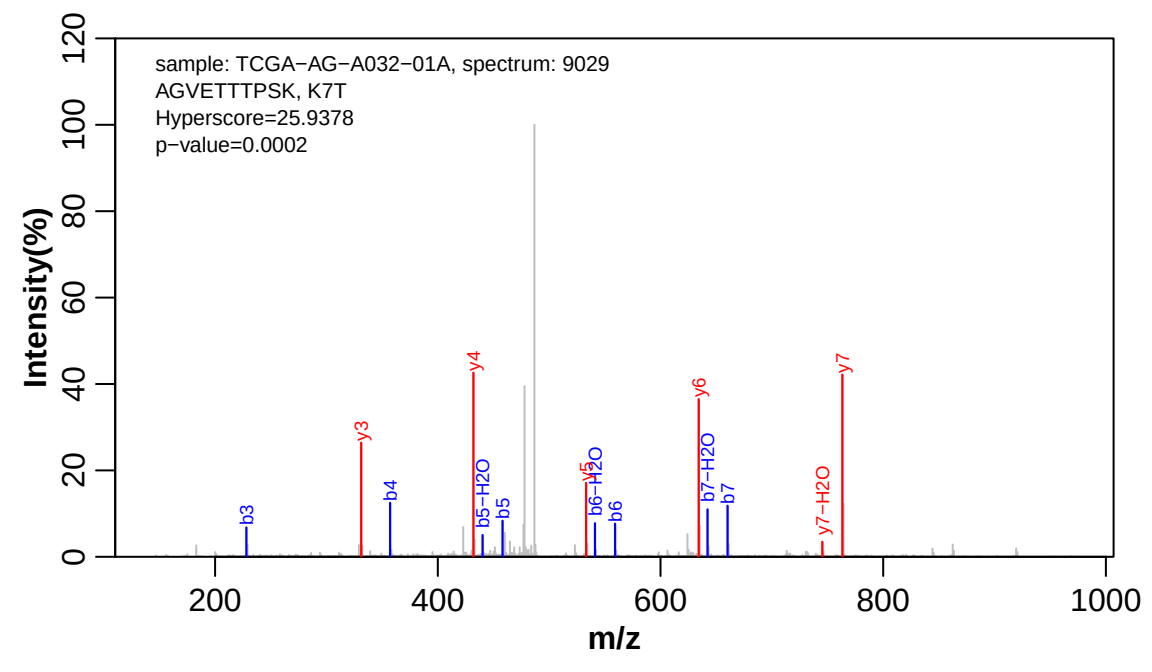

sample: TCGA−AG−A02X−01A, spectrum: 78188
WERPFEVKDTEEEDFHVDQATTVK, V20A
Hyperscore=80.5875
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b14++
y10++
b5−H2O
y16++
b16++
b10+++
y9++
b9++

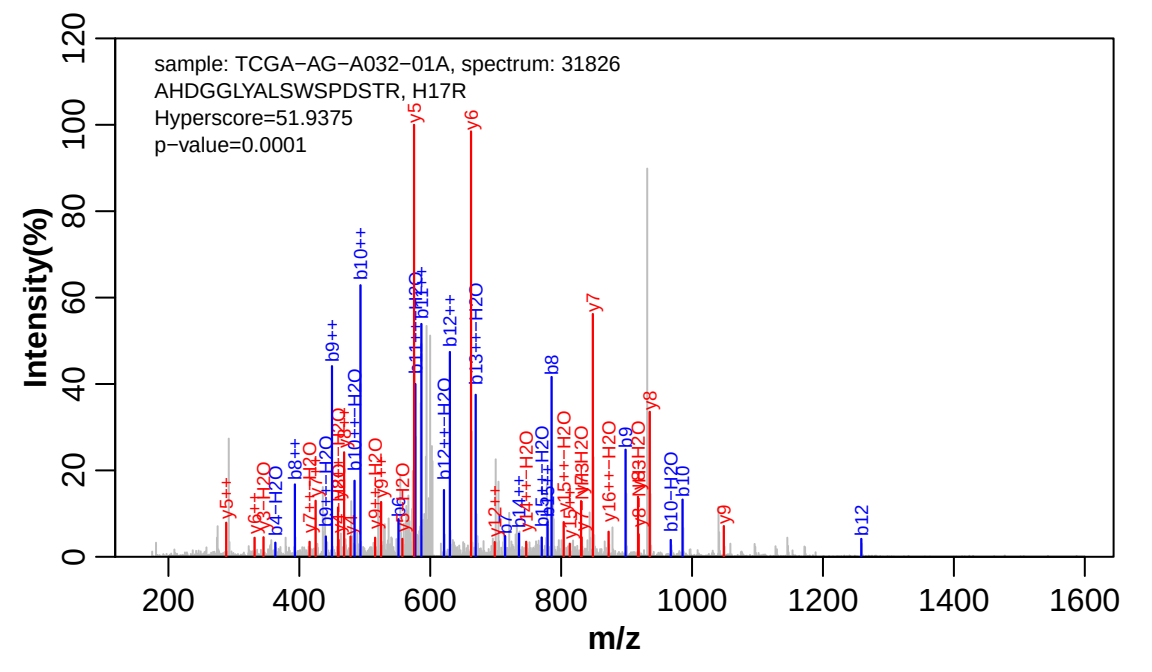

sample: TCGA−AG−A02X−01A, spectrum: 41851
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=14.4045
p−value=0.0003
b16++−N
y13++
b7
y5−H2O
y12++
y15++
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

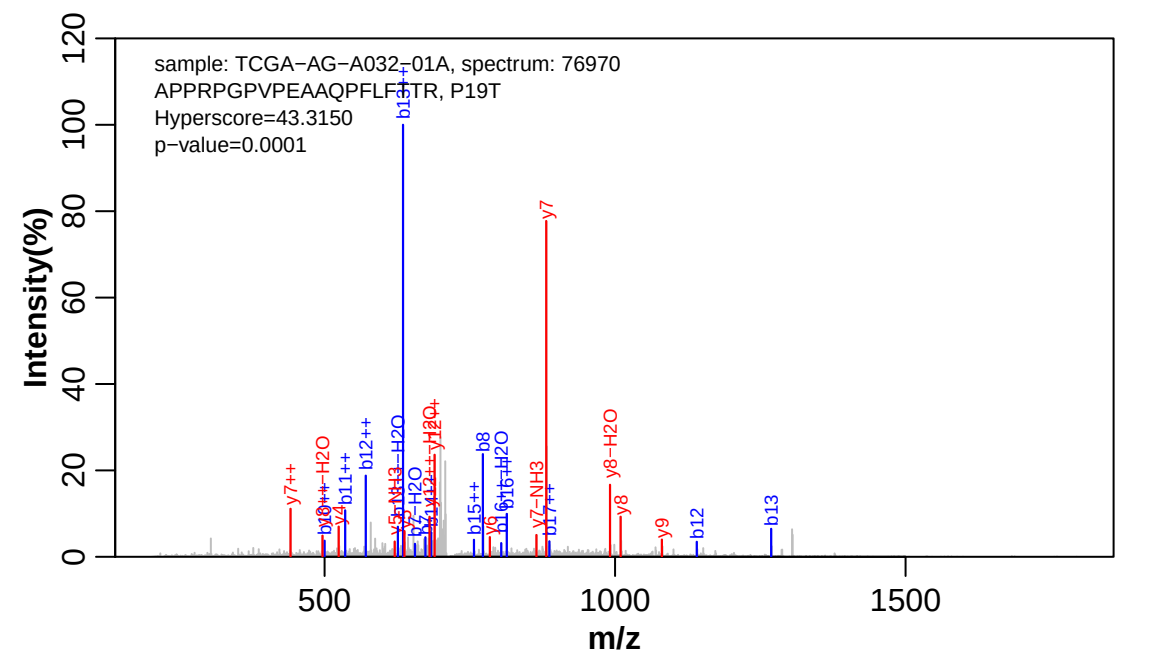

sample: TCGA−AG−A032−01A, spectrum: 50557
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=64.5401
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b18++−H2O
b28++
b25++
b27++−H2O
b28++−H2O
b9
b18++−NH3
b10++−H2O
b16++−H2O
b8−NH3
b8
b7
y6
y5
b6
y4
b21++−NH3
b21++
b13−H2O
b26++
b27++
b15
y13−H2O

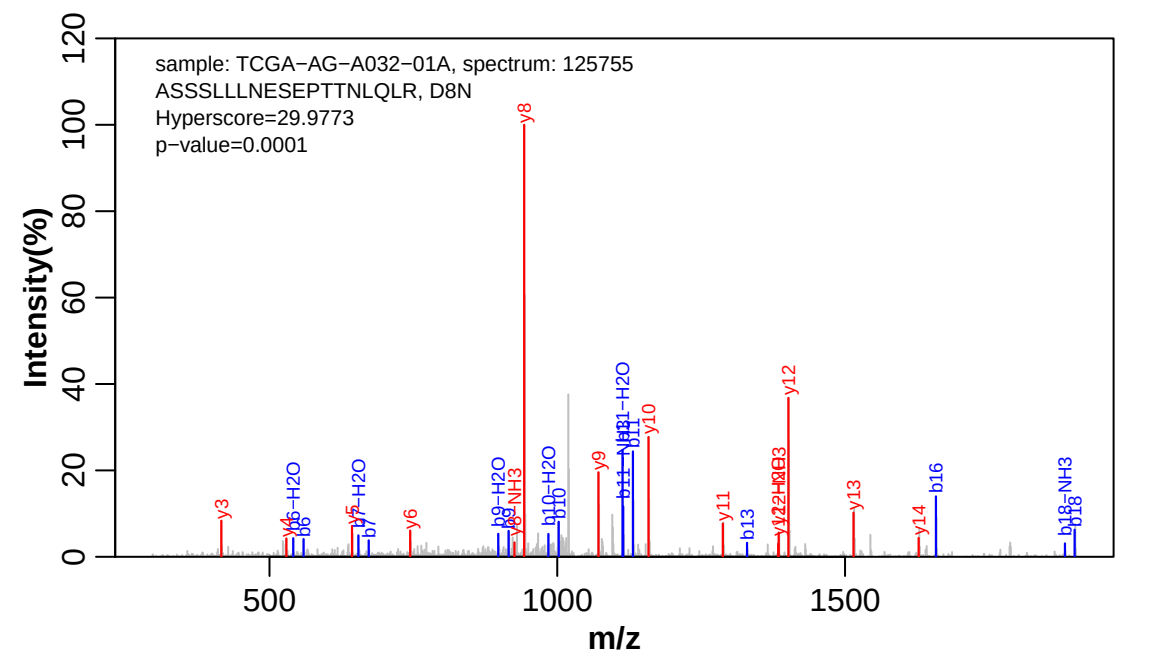

sample: TCGA−AG−A032−01A, spectrum: 32729
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=30.0040
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y11++
y11++−H2O
y12++
y6−NH3
y14++b8
y15++−H2O
b17++
b18++
y10
y10++
y5
y4
b5−H2O
b5

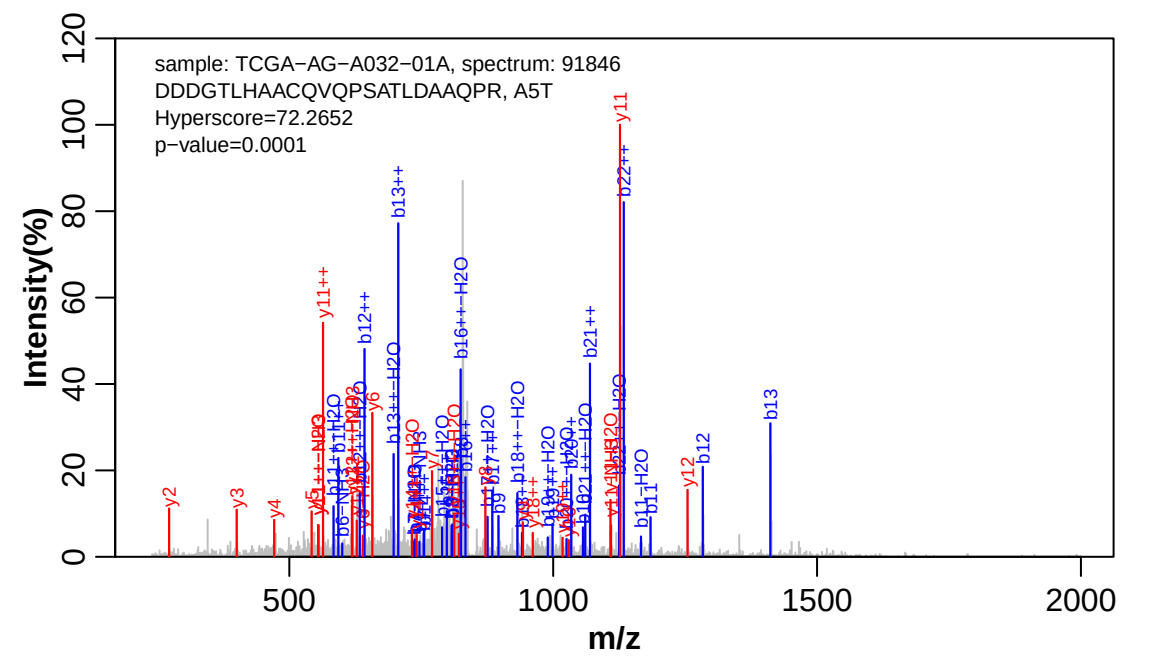

sample: TCGA−AG−A032−01A, spectrum: 106960
AARPPPAASATPTAQPLPPPAPR, T5P
Hyperscore=51.1322
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y7++
b11++−H2O
b1
y10+−H2O
b13++−H2O
b14++−H2O
b7−H2O
b15++−H2O
b15++−NH3
y13++−H2O
y15++
b14++
y18++
b17++
y18++−H2O
b19++−H2O
b19++
y9
b11−NH3
b11−H2O
b11
b22++
y10
b15−H2O
b15

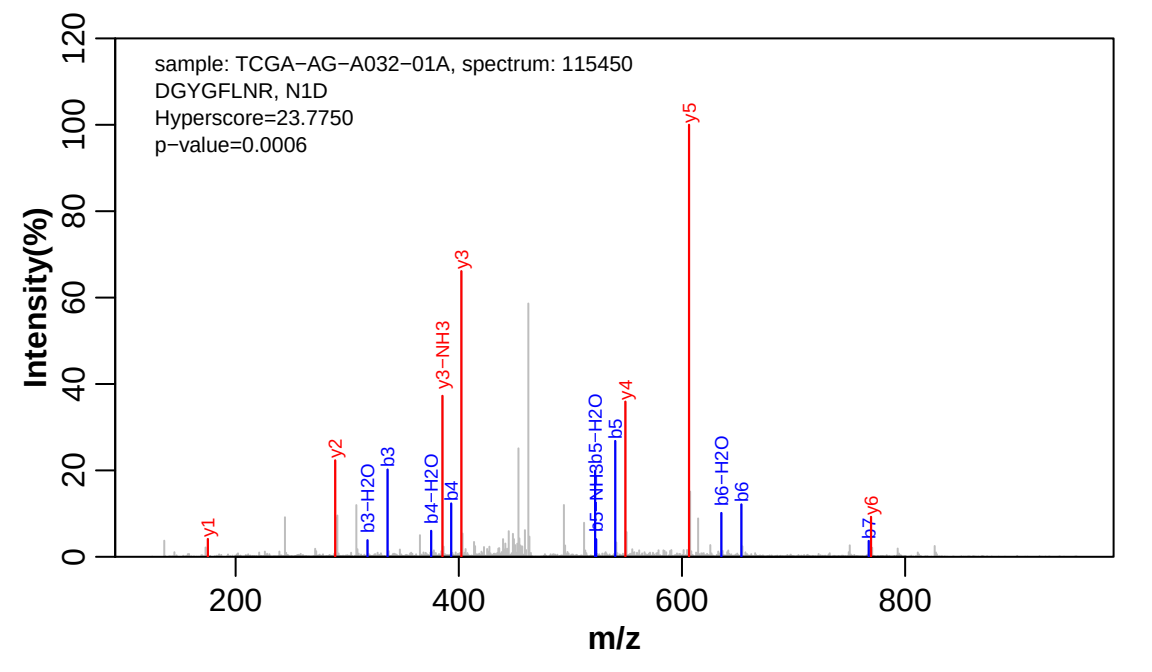

sample: TCGA−AG−A032−01A, spectrum: 9029
AGVETTTPSK, K7T
Hyperscore=25.9378
p−value=0.0002
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7−H2O
b7
y7−H2O
y7

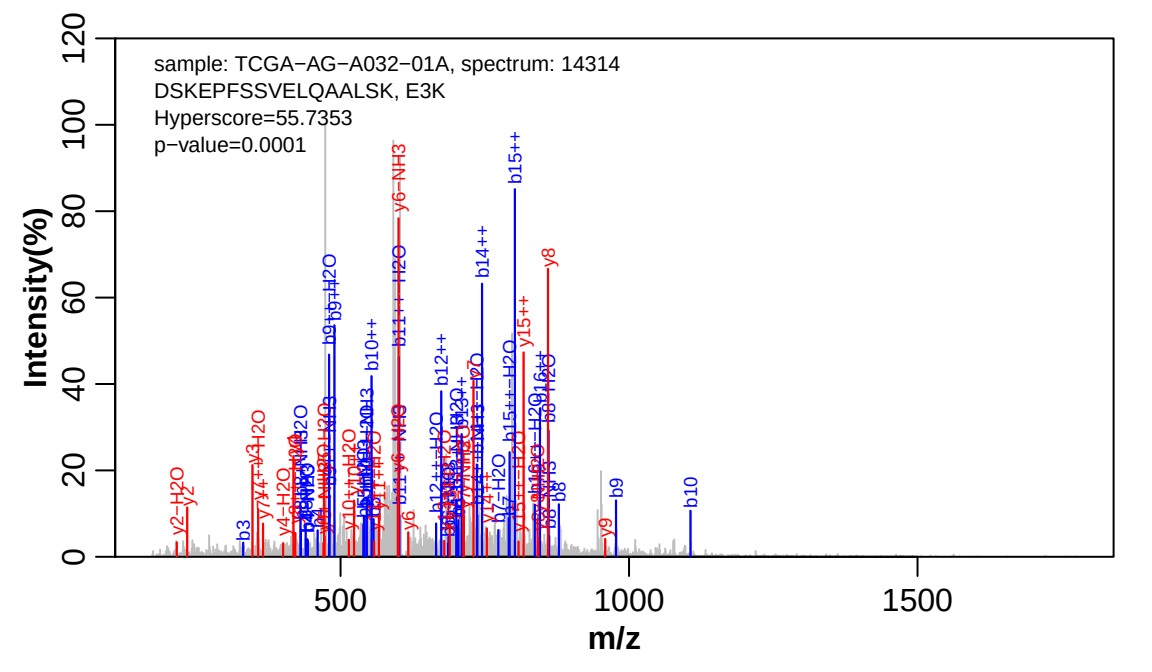

sample: TCGA−AG−A032−01A, spectrum: 31826
AHDGGLYALSWSPDSTR, H17R
Hyperscore=51.9375
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y7
y8
y9
b12
b10++
b9++
b12++
b13++−H2O
b8
b10−H2O
y5++
b4−H2O
b8++
y16++−H2O
y15++−H2O
y12++
b15++−H2O

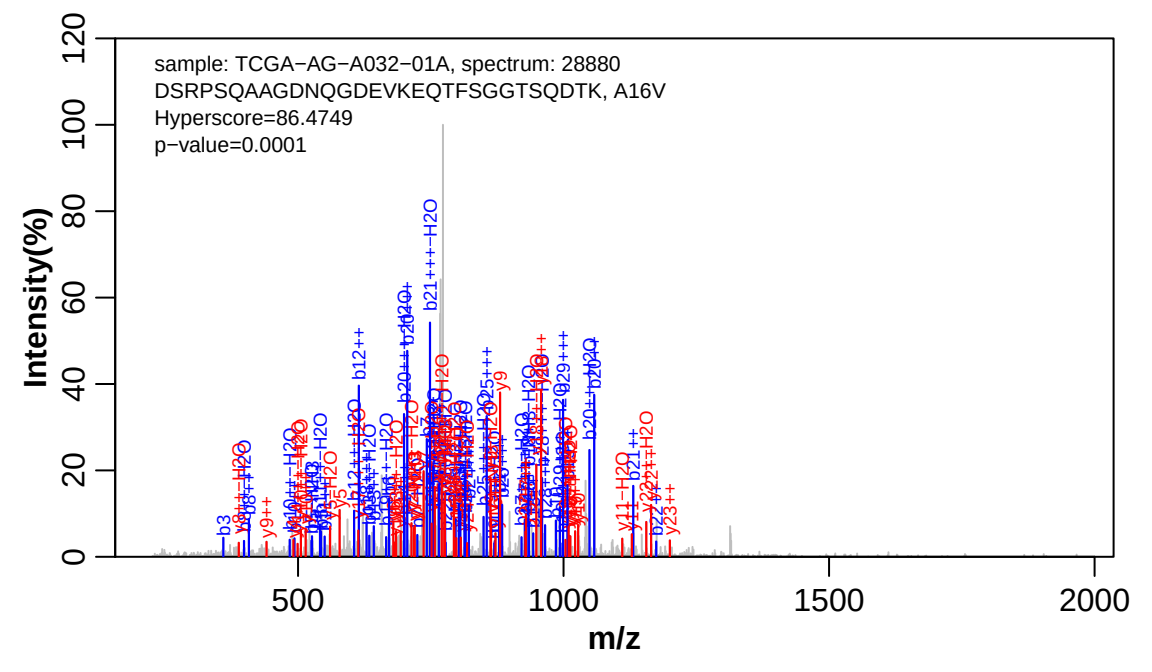

sample: TCGA−AG−A032−01A, spectrum: 76970
APPRPGPVPEAAQPFLFSTR, P19T
Hyperscore=43.3150
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7++
b10++−H2O
y4
b11++
b12++
b13++
y5−NH3
y5−H2O
b7−H2O
y12++
b15++
b8
y6
b16−H2O
y7
y7−NH3
b17++
y8−H2O
y8
y9
b12
b13

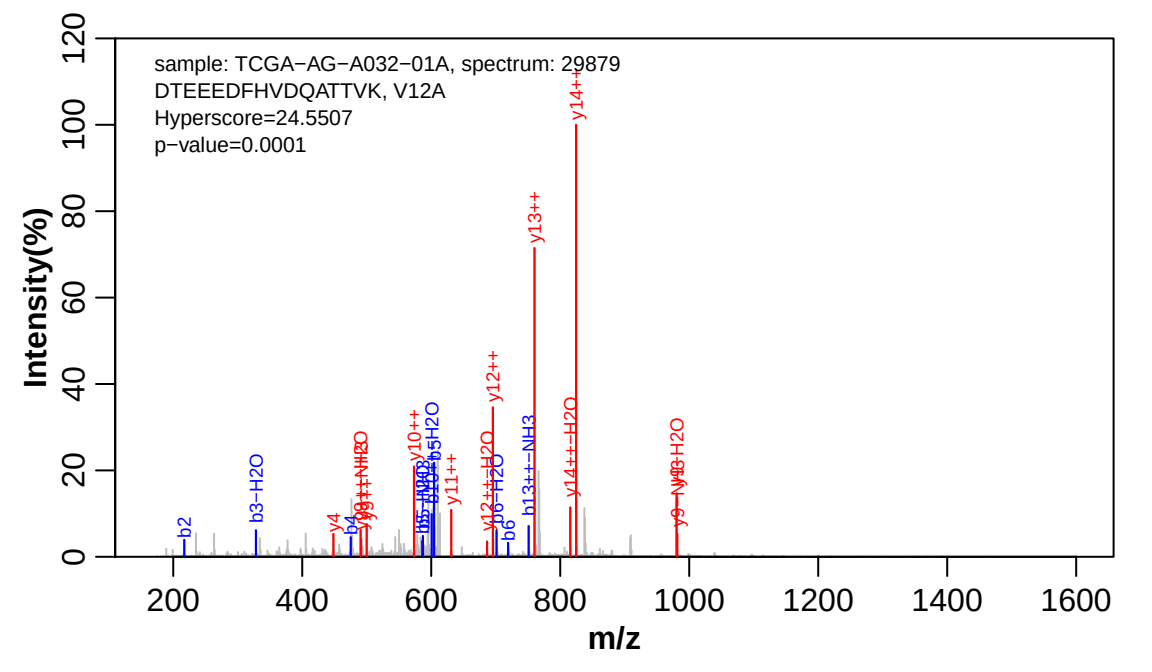

sample: TCGA−AG−A032−01A, spectrum: 125755
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=29.9773
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y3
y4
y4−H2O
b5
y5
y5−H2O
b7
y6
y8
b9−H2O
y8−NH3
b10−H2O
b10
y9
b11−NH3
b11−H2O
b11
y10
y11
b13
y12
y12−H2O
y12−NH3
y13
y14
b16
b18−NH3
b18

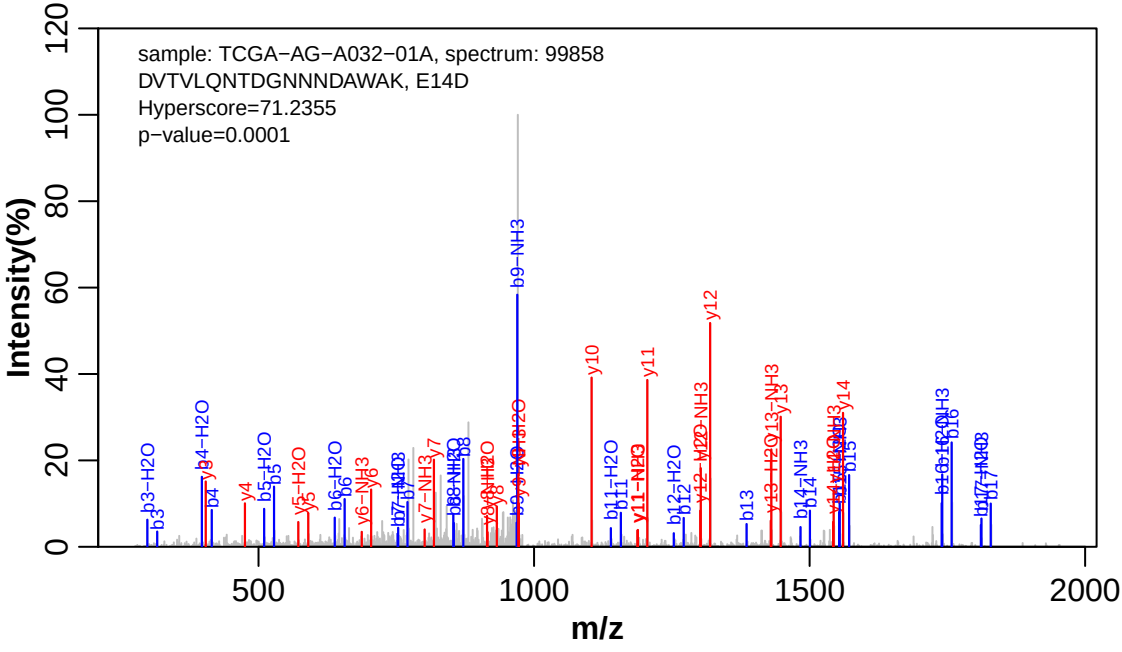

sample: TCGA−AG−A032−01A, spectrum: 91846
DDDGTLHAACQVQPSATLDAAQPR, A5T
Hyperscore=72.2652
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y4
y5
y11++
b11++H2O
b12++
b13++
b13++−H2O
b16++−H2O
b21++
b22++
y11
b13
y12
b12
b11
b11−H2O

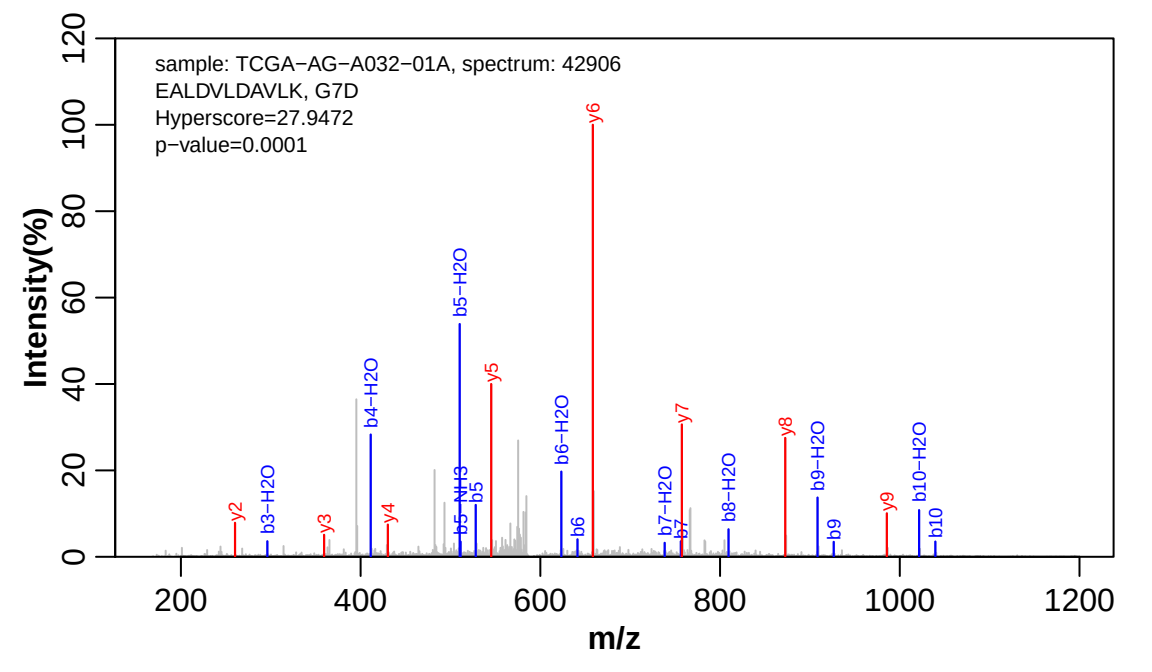

sample: TCGA−AG−A032−01A, spectrum: 115450
DGYGFLNR, N1D
Hyperscore=23.7750
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3−H2O
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

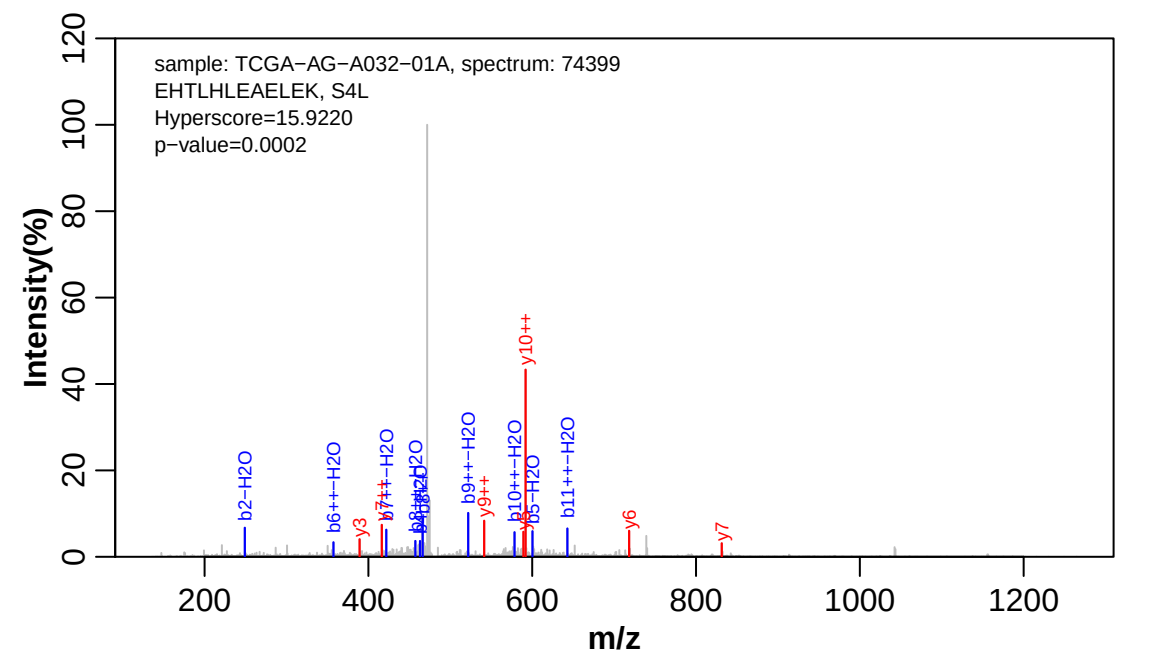

sample: TCGA−AG−A032−01A, spectrum: 14314
DSKEPFSSVELQAALSK, E3K
Hyperscore=55.7353
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b15++
y8
b14++
y15++
b12++
b10++
b9
b10
y9
y6−NH3
y2−H2O
b3

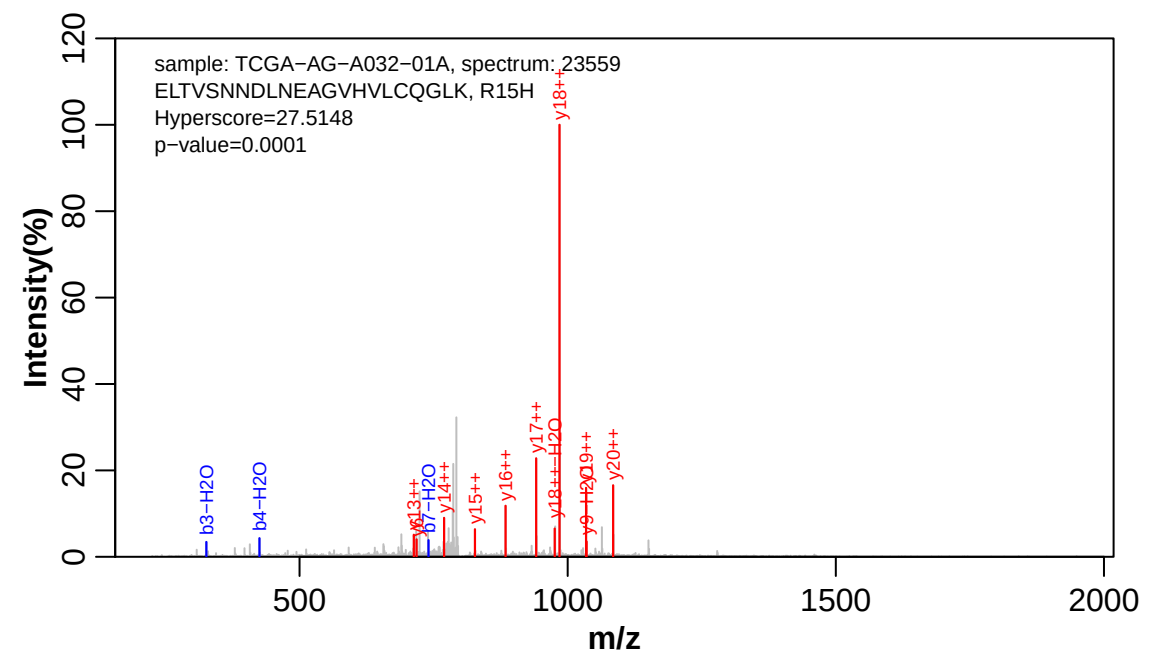

sample: TCGA−AG−A032−01A, spectrum: 28880
DSRPSQAAGDNQGDEVKEQTFSGGTSQDTK, A16V
Hyperscore=86.4749
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000

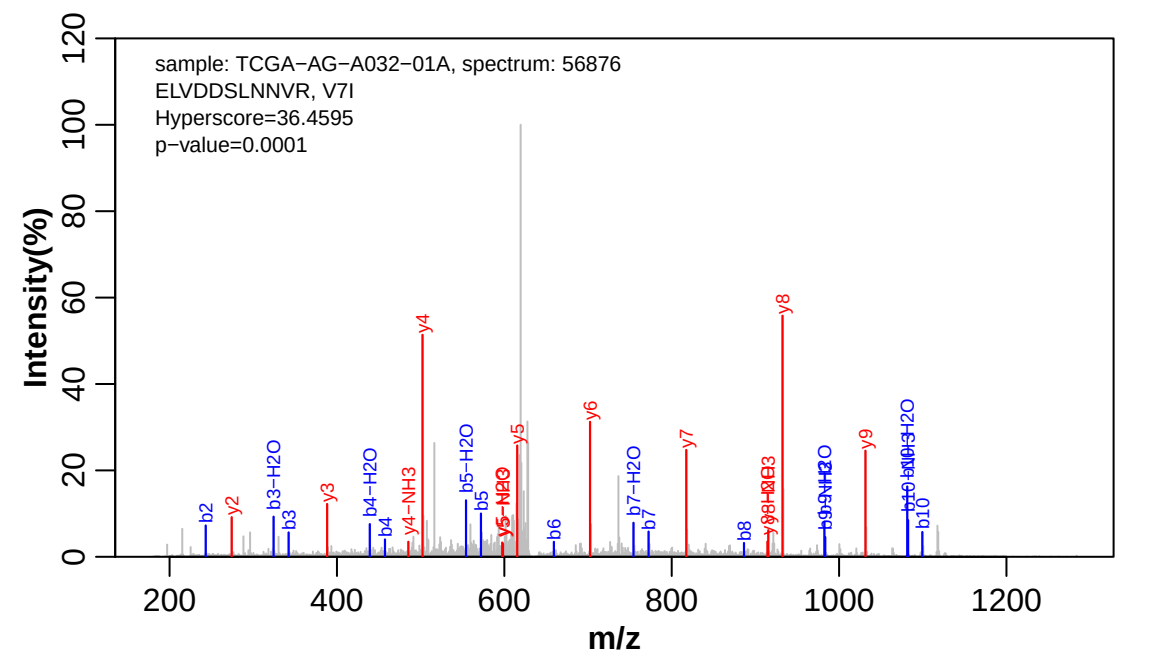

sample: TCGA−AG−A032−01A, spectrum: 29879
DTEEEDFHVDQATTVK, V12A
Hyperscore=24.5507
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2
b3−H2O
y4
y10++
y11++
y12++
y12++−H2O
b6−H2O
b6
b13++−NH3
y13++
y14++−H2O
y14++

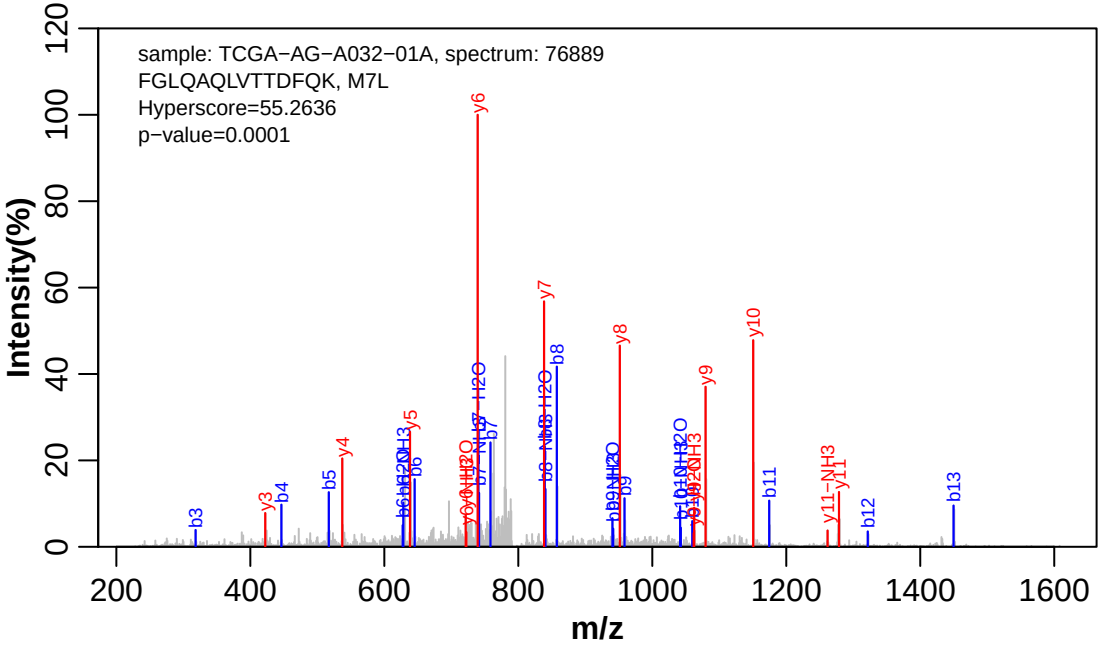

sample: TCGA−AG−A032−01A, spectrum: 99858
DVTVLQNTDGNNNDAWAK, E14D
Hyperscore=71.2355
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b3
b4−H2O
b4
y4
b5−H2O
b5
y5−H2O
y5
b6−H2O
b6
y6−NH3
y6
y7−NH3
y7
b9−NH3
y10
b11−H2O
b11
y11
b12−H2O
b12
y12
y12−NH3
b13
y13−NH3
y13
b14−NH3
b14
y14
b15
b16
b17

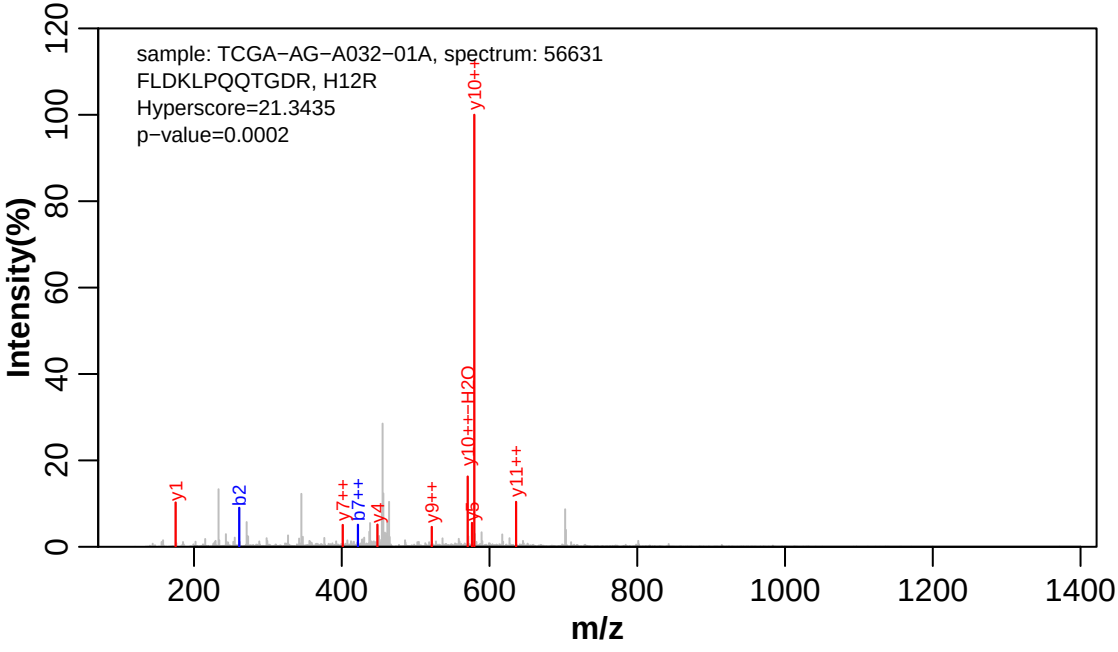

sample: TCGA−AG−A032−01A, spectrum: 42906
EALDVLDAVLK, G7D
Hyperscore=27.9472
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
y4
b5−NH3
b5
b5−H2O
y5
y6
b6−H2O
b6
b7−H2O
b7
y7
b8−H2O
y8
b9−H2O
b9
y9
b10−H2O
b10

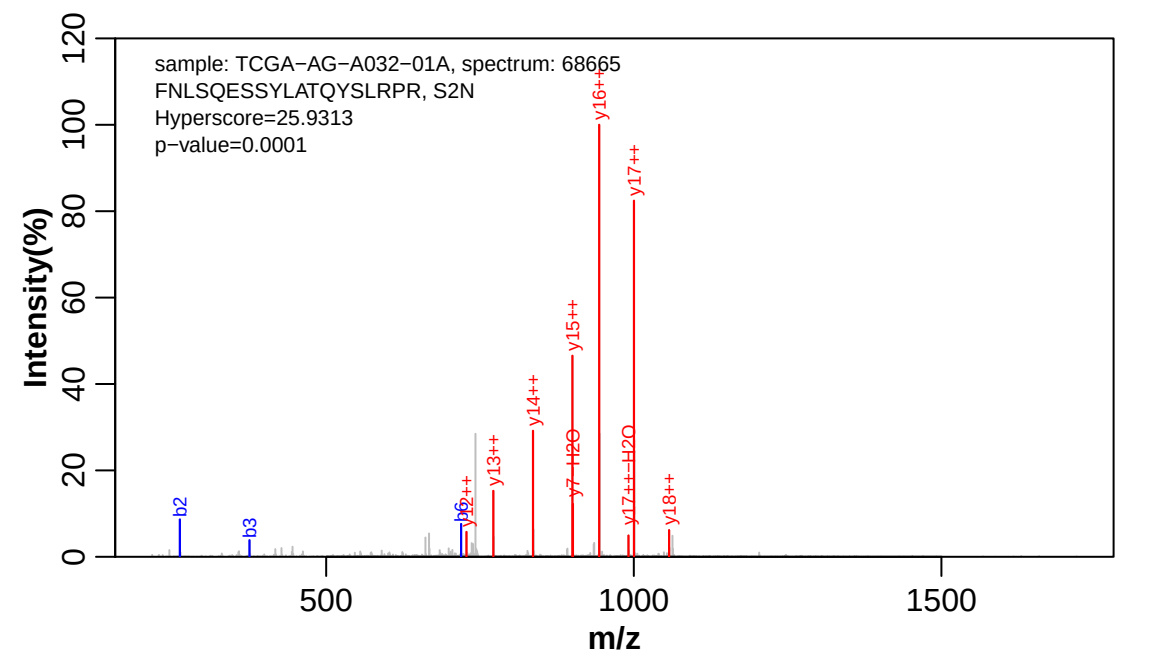

sample: TCGA−AG−A032−01A, spectrum: 74399
EHTLHLEAELEK, S4L
Hyperscore=15.9220
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2−H2O
b6++−H2O
y3
y7++
y7++−H2O
b9++−H2O
y9++
y10++
b10++−H2O
b5−H2O
b11++−H2O
y6
y7

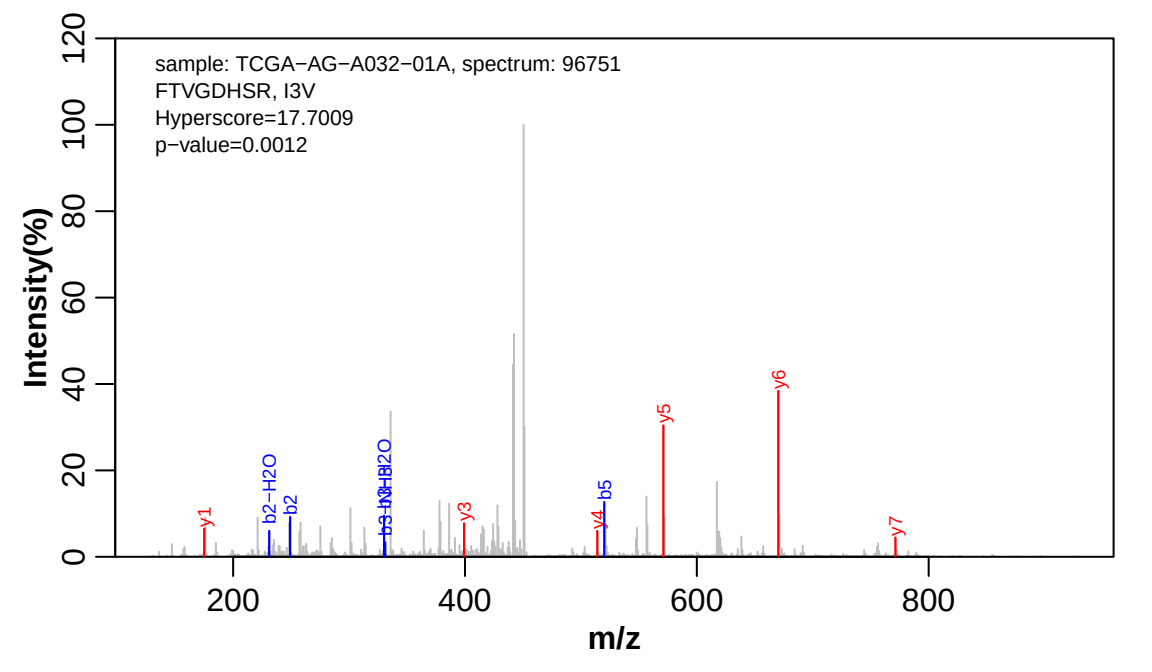

sample: TCGA−AG−A032−01A, spectrum: 23559
ELTVSNNDLNEAGVHVLCQGLK, R15H
Hyperscore=27.5148
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b3−H2O
b4−H2O
y13++
b7−H2O
y14++
y15++
y16++
y17++
y18++−H2O
y18++
y19++
y9−H2O
y20++

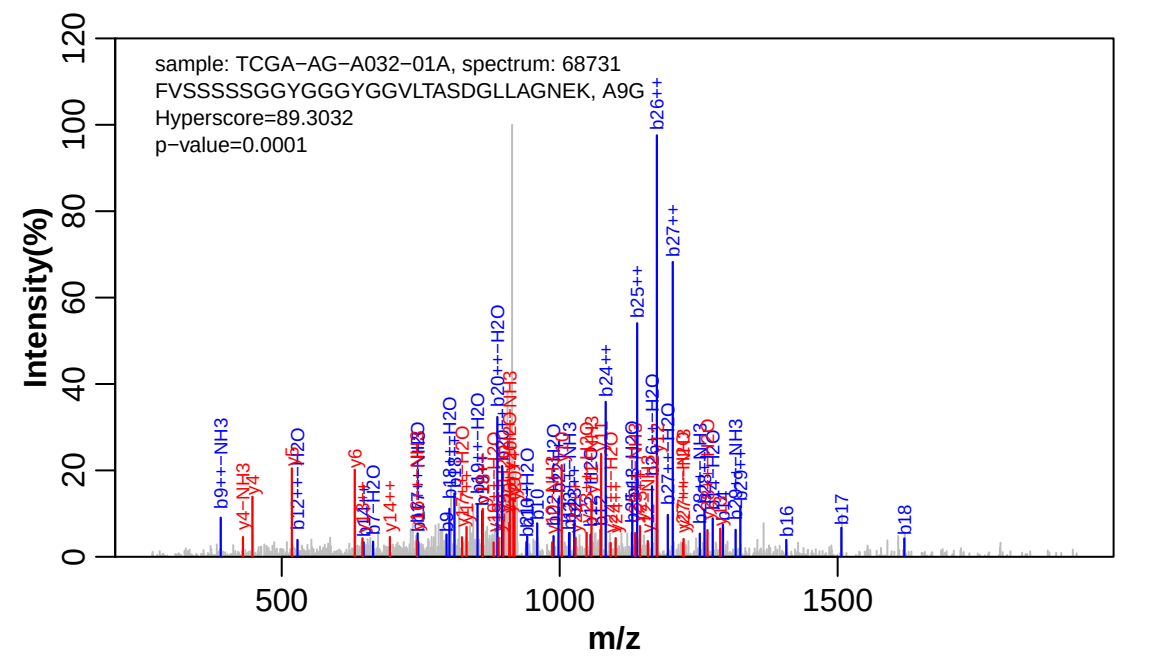

sample: TCGA−AG−A032−01A, spectrum: 56876
ELVDDSLNNVR, V7I
Hyperscore=36.4595
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3−H2O
b3
y3
b4−H2O
b4
y4−NH3
y4
b5−H2O
b5
y5
b6
y6
b7−H2O
b7
y7
b8
y8
y9
b10
b10
b10

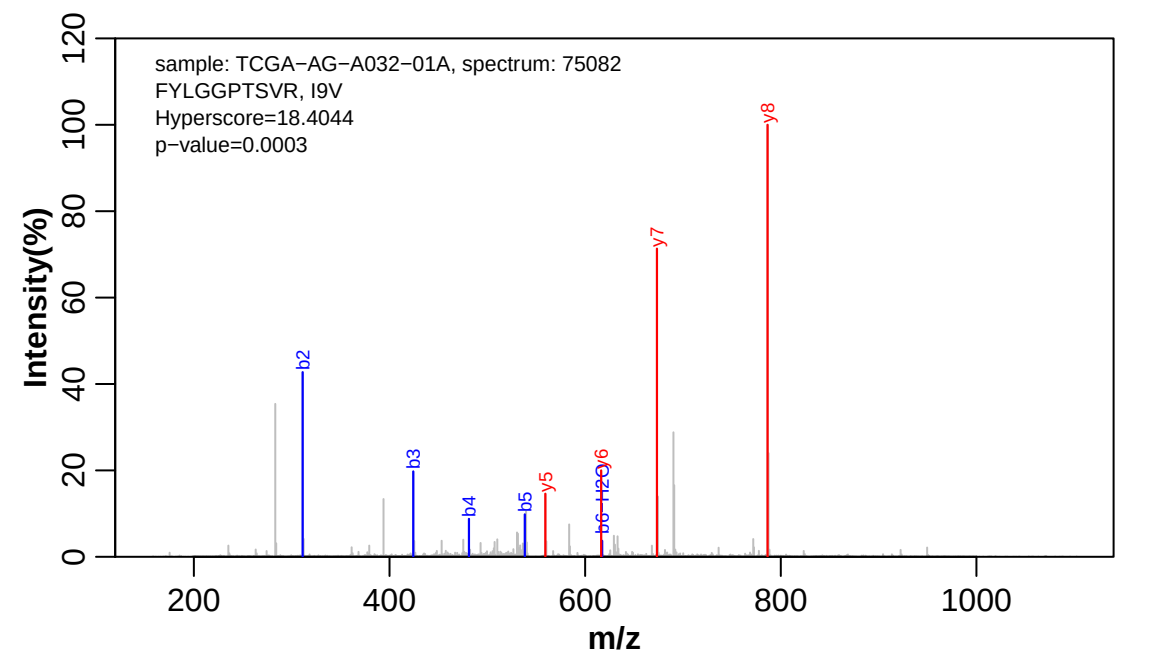

sample: TCGA−AG−A032−01A, spectrum: 76889
FGLQAQLVTTDFQK, M7L
Hyperscore=55.2636
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3
y3
b4
b5
y4
y5
b6
y6
b7
b8
y7
y8
b9
y9
y10
b11
y11−NH3
y11
b12
b13

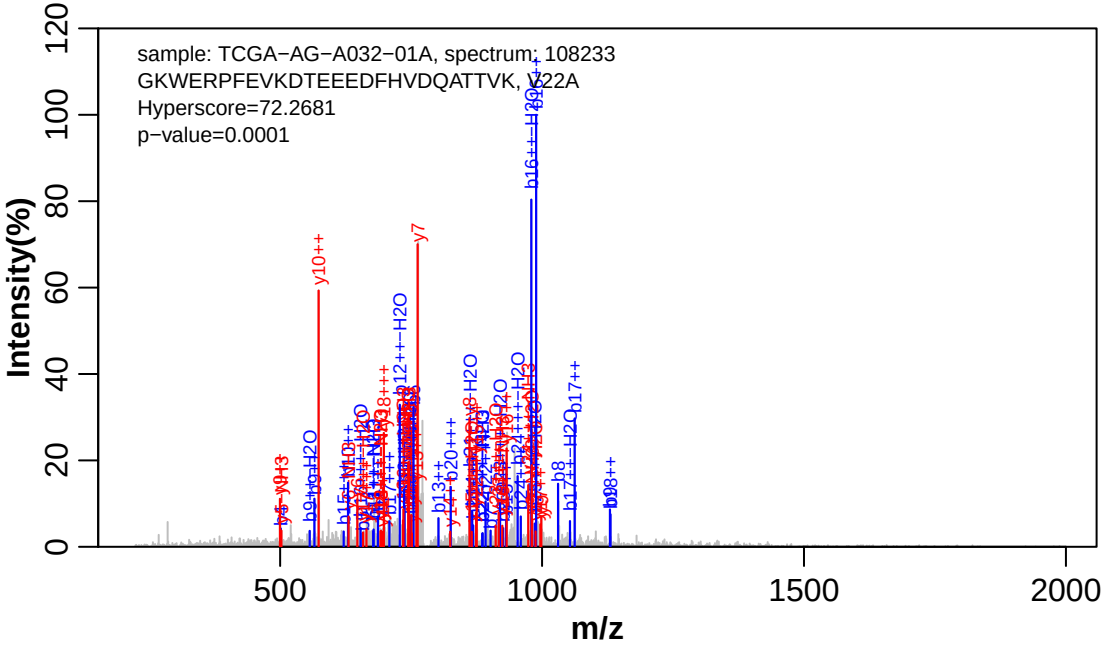

sample: TCGA−AG−A032−01A, spectrum: 56631
FLDKLPQQTGDR, H12R
Hyperscore=21.3435
p−value=0.0002
Intensity(%)
m/z
y1
b2
y7++
b7++
y4
y9++
y10++−H2O
y6
y10++
y11++
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400

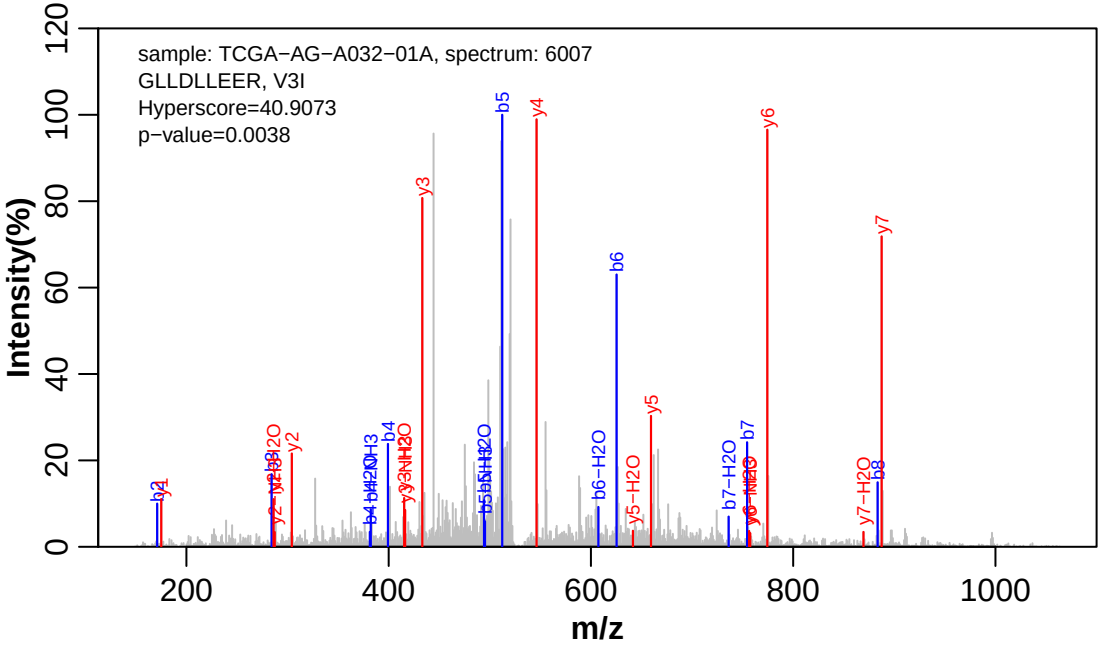

sample: TCGA−AG−A032−01A, spectrum: 68665
FNLSQESSYLATQYSLRPR, S2N
Hyperscore=25.9313
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
b2
b3
b6
y6++
y13++
y14++
y7−H2O
y15++
y16++
y17++
y17++−H2O
y18++

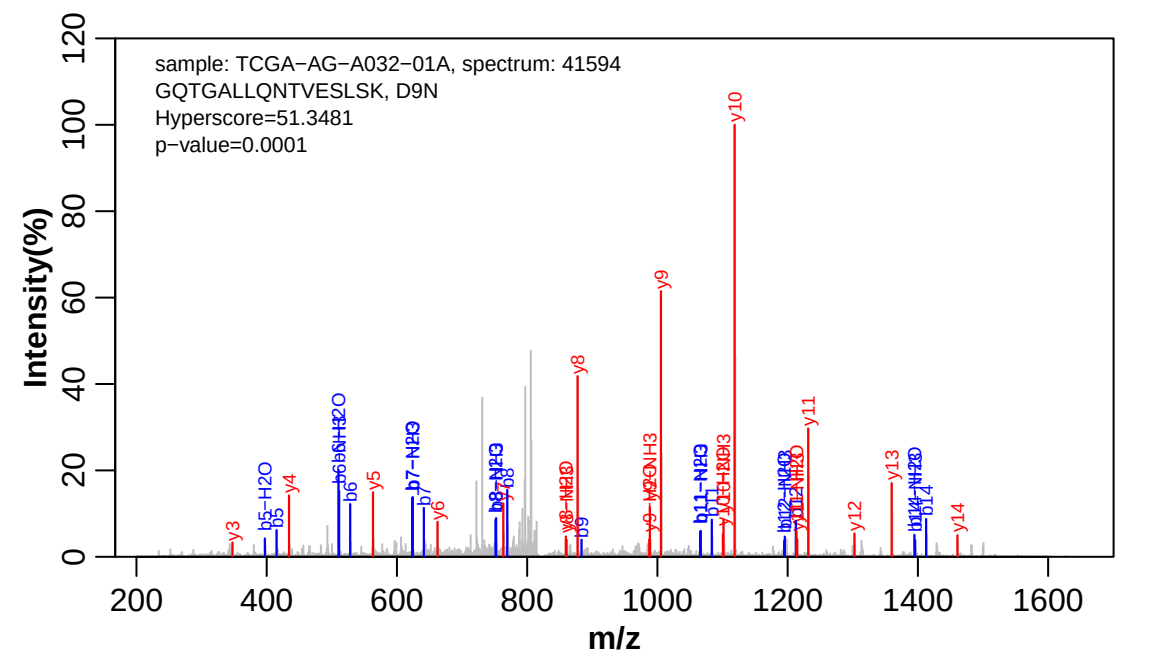

sample: TCGA−AG−A032−01A, spectrum: 96751
FTVGDHSR, I3V
Hyperscore=17.7009
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
y3
y4
b5
y5
y6
y7

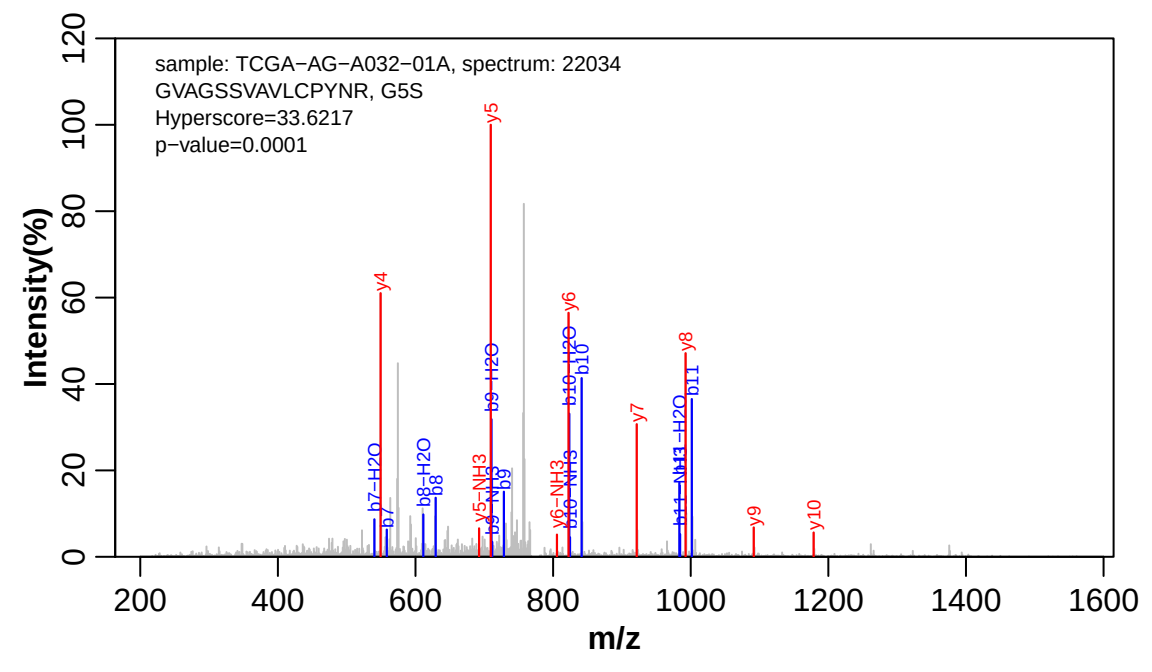

sample: TCGA−AG−A032−01A, spectrum: 68731
FVSSSSSGGYGGGYGGVLTASDGLLAGNEK, A9G
Hyperscore=89.3032
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b26++
b27++
b25++
b24++
b9++−NH3
y4−NH3
y4
b12++−H2O
y6
y14++
b16
b17
b18

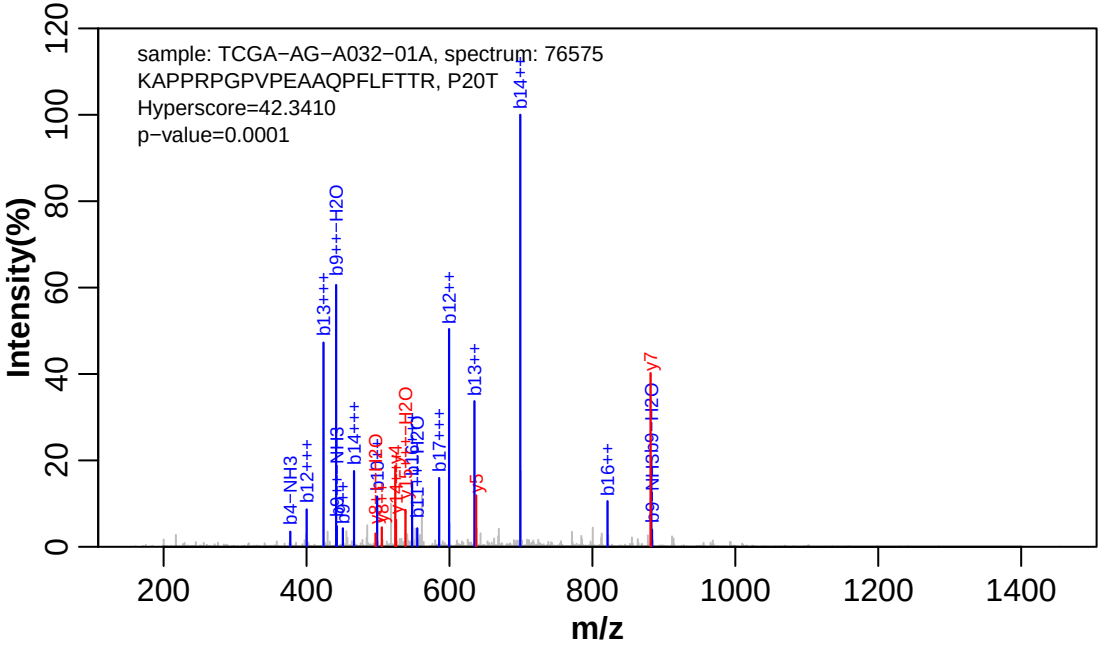

sample: TCGA−AG−A032−01A, spectrum: 75082
FYLGGPTSVR, I9V
Hyperscore=18.4044
p−value=0.0003
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8

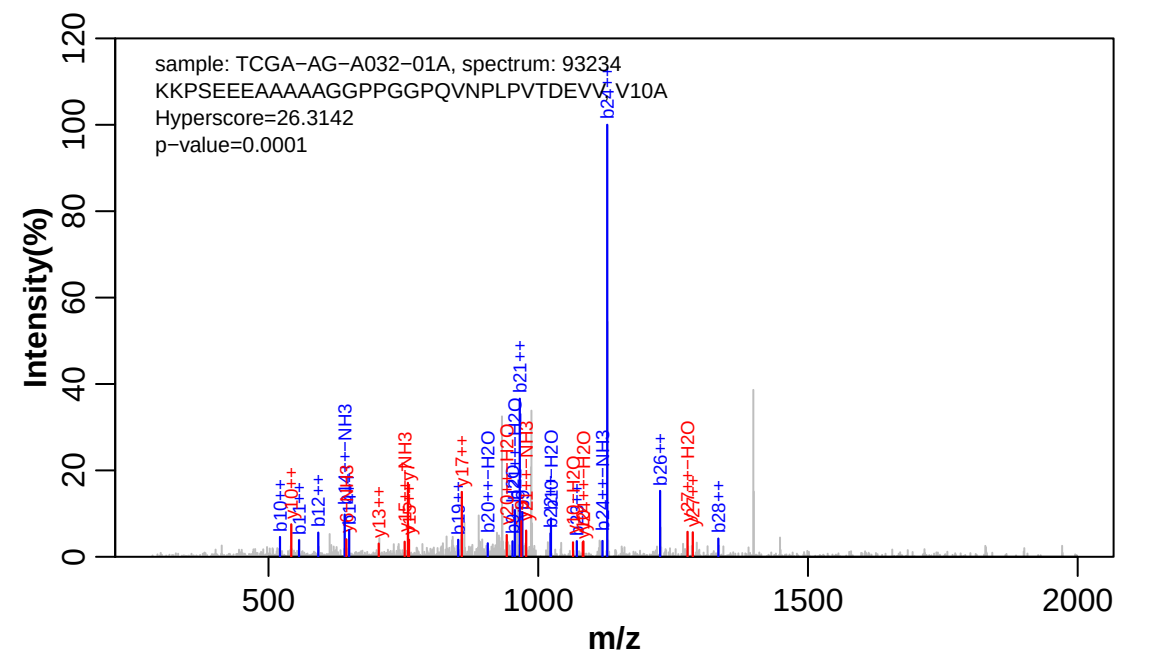

sample: TCGA−AG−A032−01A, spectrum: 108233
GKWERPFEVKDTEEEDFHVDQATTVK, V22A
Hyperscore=72.2681
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
2000
m/z
y10++
y7
b16++−H2O
b12++−H2O
b17++
b8++
b17++−H2O
b9++−H2O
b5−NH3
b13++
y14++
b20+++

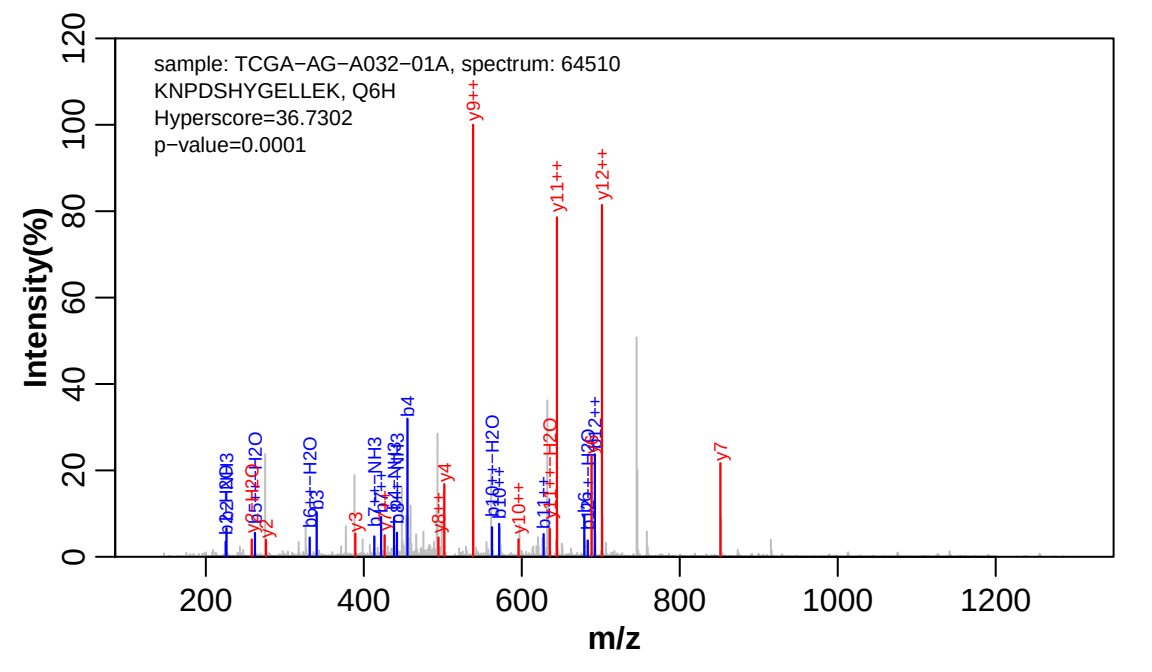

sample: TCGA−AG−A032−01A, spectrum: 6007
GLLDLLEER, V3I
Hyperscore=40.9073
p−value=0.0038
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
y2
y3
b5
y4
b6
y5
y6
b7
y7
b8

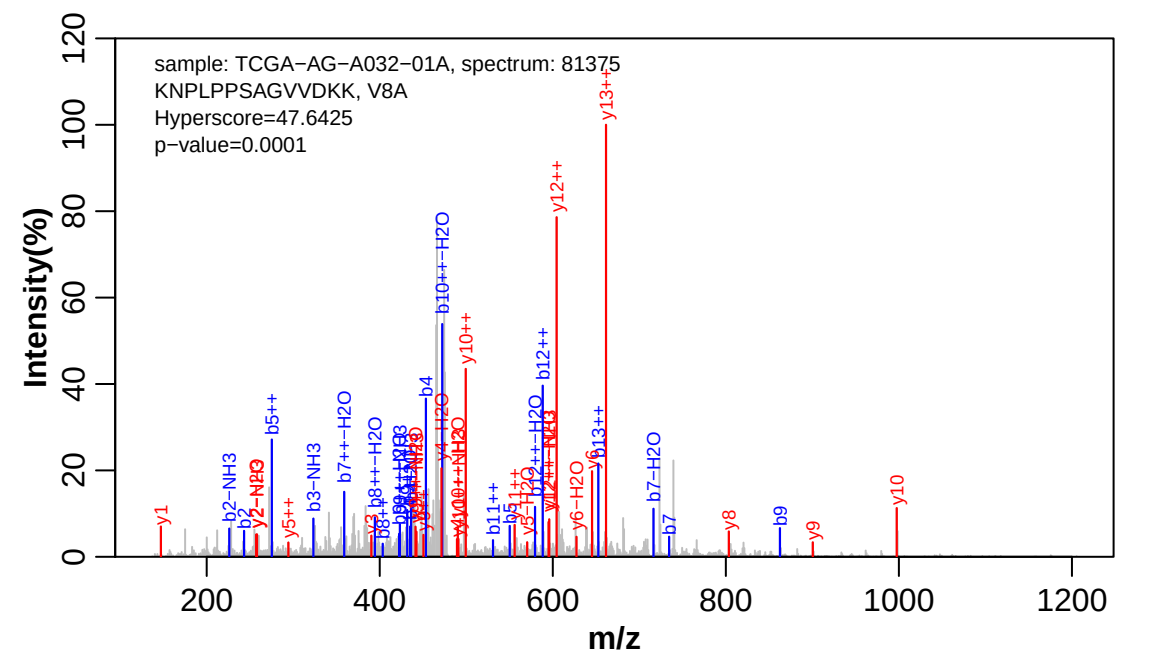

sample: TCGA−AG−A032−01A, spectrum: 41594
GQTGALLQNTVESLSK, D9N
Hyperscore=51.3481
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y3
b5−H2O
b5
y4
b6−H2O
b6
y5
b7−NH3
b7
y6
b8−NH3
b8
y7
y8−NH3
y8
b9
y9−NH3
y9
b11−NH3
b11
y10−NH3
y10
y11
y12
y13
b14−NH3
b14
y14

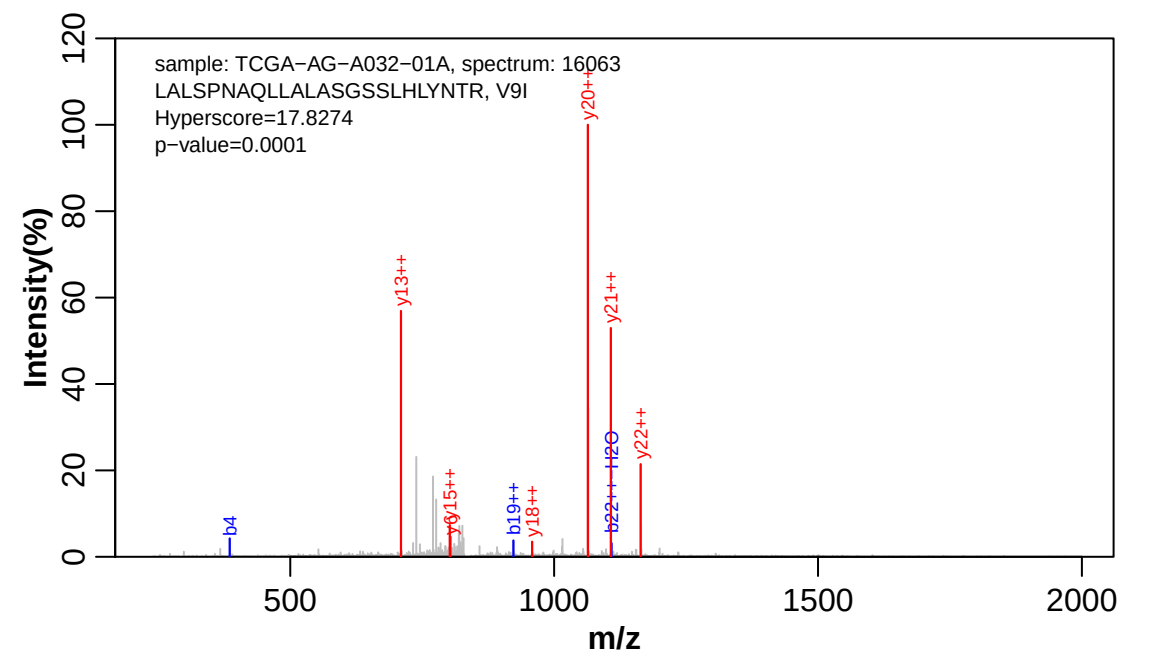

sample: TCGA−AG−A032−01A, spectrum: 22034
GVAGSSVAVLCPYNR, G5S
Hyperscore=33.6217
p−value=0.0001
Intensity(%)
m/z
y5
y4
y6
y8
y7
y9
y10
b7−H2O
b7
b8−H2O
b8
b9−H2O
b9
b10−H2O
b10
b11
b11−H2O
y5−NH3
y6−NH3
b10−NH3
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

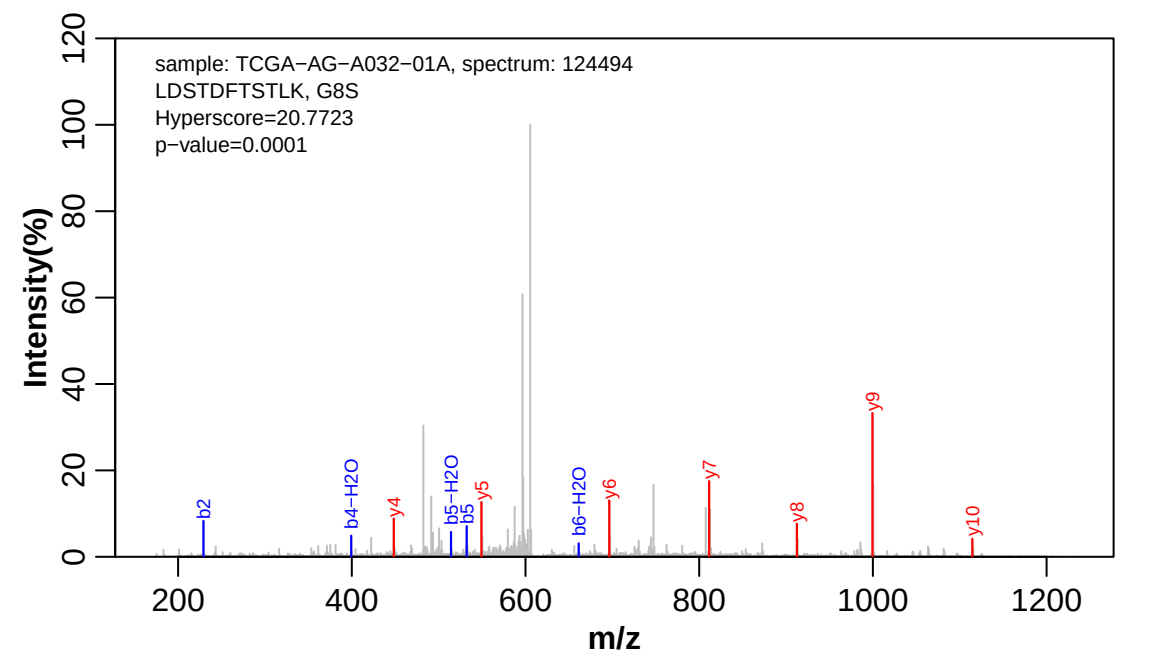

sample: TCGA−AG−A032−01A, spectrum: 76575
KAPPRPGPVPEAAQPFLFTTR, P20T
Hyperscore=42.3410
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b14++
b9++−H2O
b13+++
b12++
b13++
b14+++
b12+++
b4−NH3
b9+−NH3
b17+++
y5
b16++
b9−NH3b9−H2O
y7

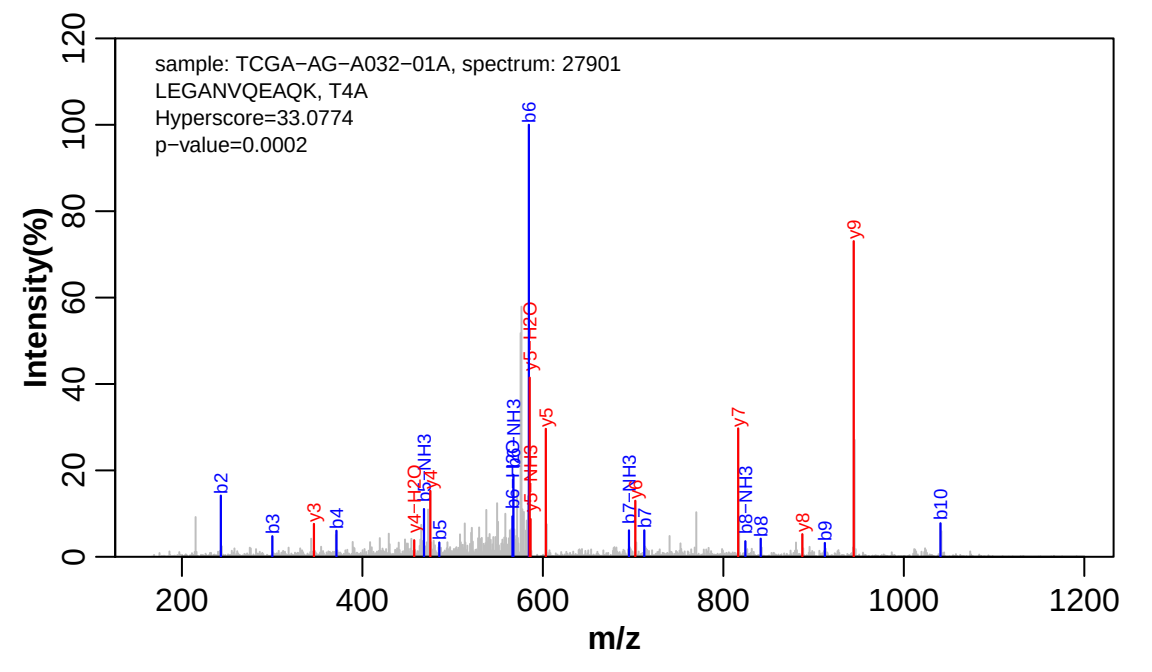

sample: TCGA−AG−A032−01A, spectrum: 93234
KKPSEEEAAAAAGGPPGGPQVNPLPVTDEVV−V10A
Hyperscore=26.3142
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b24++
b21++
b26++
b28++
b10++
b11++
b12++
y13++
b19++
y17++
b20++−H2O
b24++−NH3
b22++−H2O
y27++−H2O

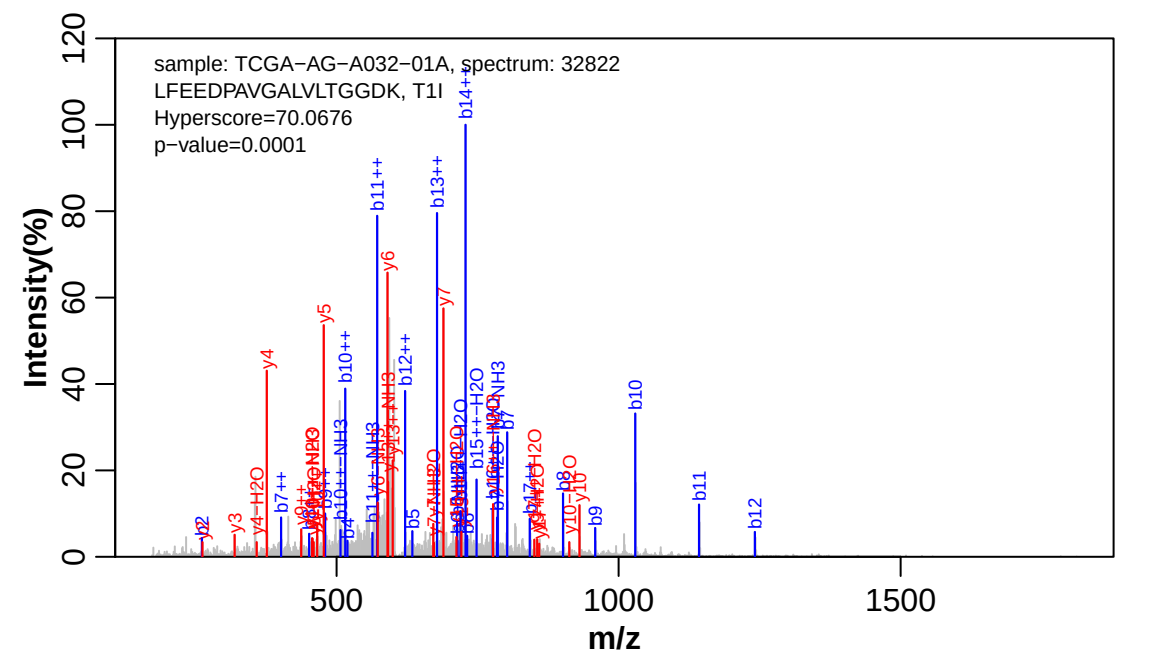

sample: TCGA−AG−A032−01A, spectrum: 64510
KNPDSHYGELLEK, Q6H
Hyperscore=36.7302
p−value=0.0001
Intensity(%)
m/z
y9++
y11++
y12++
y7
y4
y3
y2
b4
y10++
b10++−H2O
b11++−H2O
b12++−H2O
b6−H2O
b5−H2O
y8++
y5−H2O
y2−H2O
b2−H2O
b2−NH3
0
20
40
60
80
100
120
200
400
600
800
1000
1200

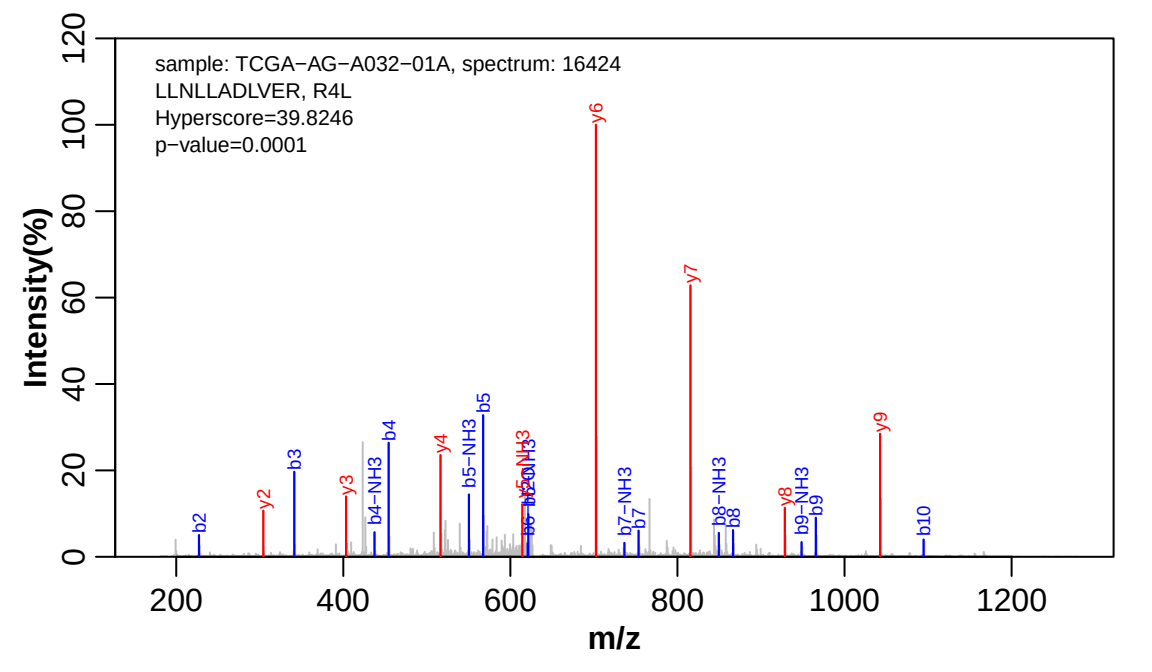

sample: TCGA−AG−A032−01A, spectrum: 81375
KNPLPPSAGVVDKK, V8A
Hyperscore=47.6425
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y1
b2−NH3
b2
y2−NH3
y5++
b3−NH3
b5++
b7++−H2O
b8++−H2O
y3
b4
y4−H2O
b10++−H2O
y10++
b11++
b5++
y5−H2O
b12++
b12++−H2O
y12++
y6−H2O
b13++
y13++
b7−H2O
b7
y8
b9
y9
y10

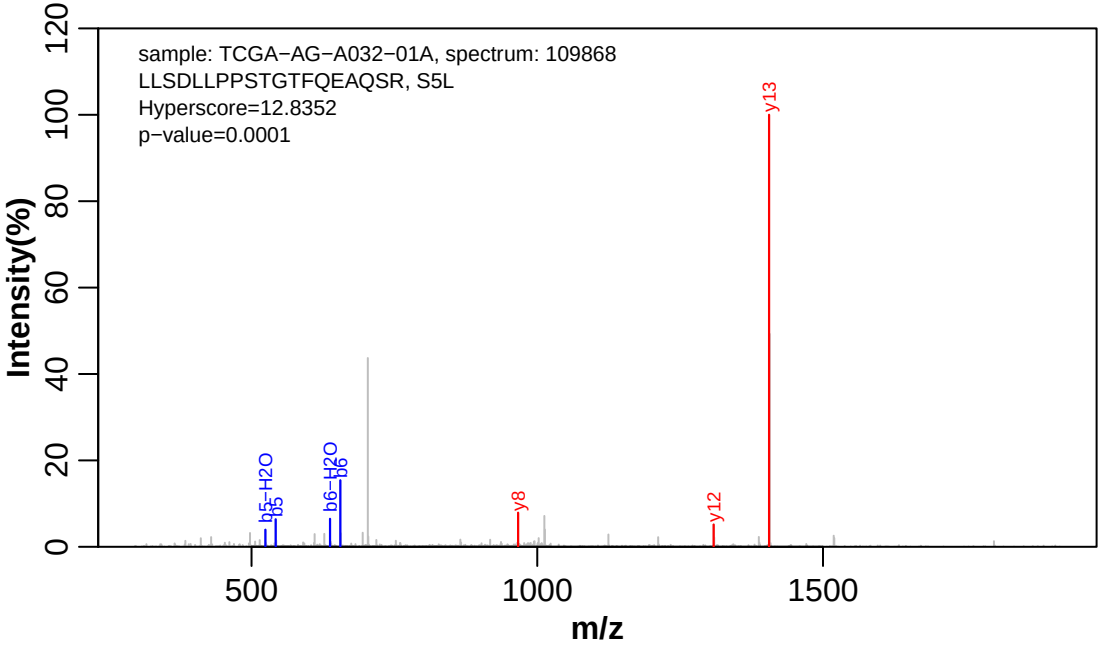

sample: TCGA−AG−A032−01A, spectrum: 16063
LALSPNAQLLALASGSSLHLYNTR, V9I
Hyperscore=17.8274
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b4
y13++
y9 15++
b19++
y18++
y20++
b22++ H2O
y21++
y22++

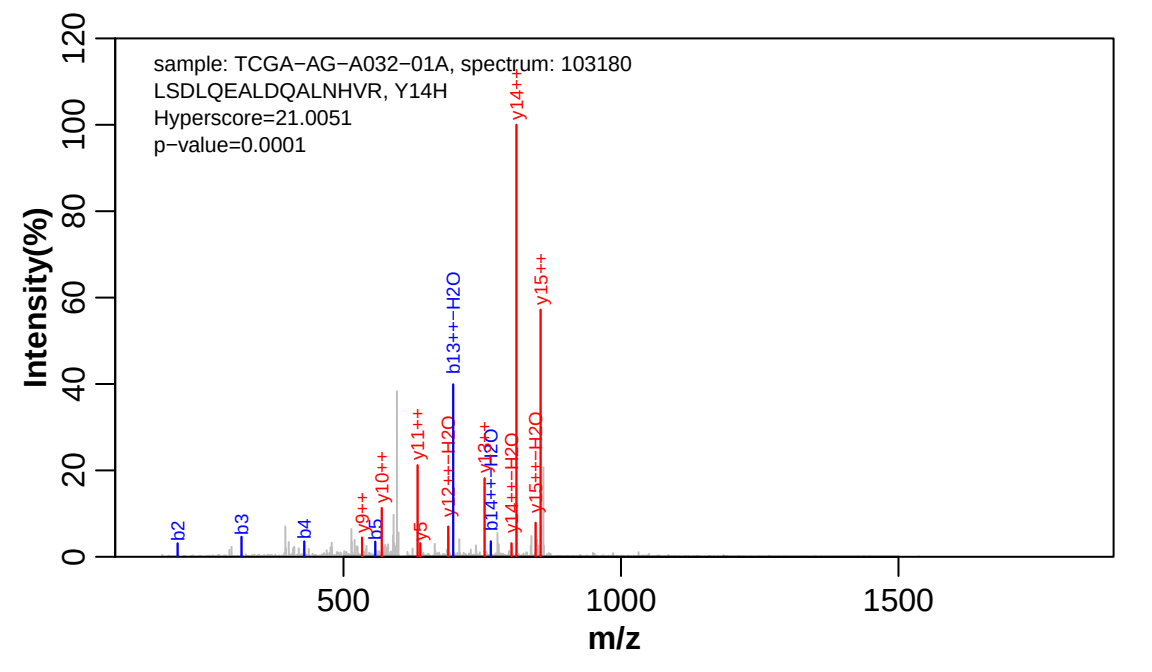

sample: TCGA−AG−A032−01A, spectrum: 124494
LDSTDFTSTLK, G8S
Hyperscore=20.7723
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
b2
b4−H2O
y4
b5−H2O
b5
y5
b6−H2O
y6
y7
y8
y9
y10

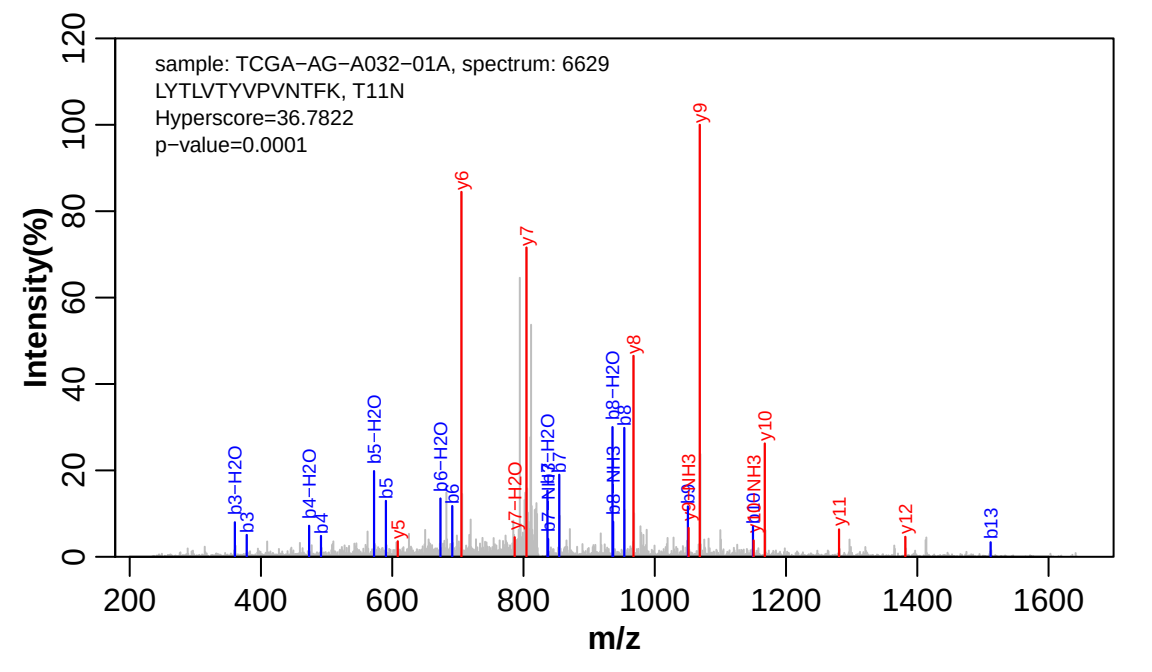

sample: TCGA−AG−A032−01A, spectrum: 27901
LEGANVQEAQK, T4A
Hyperscore=33.0774
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
b3
y3
b4
y4−H2O
y4−NH3
b5
y4
b6
b6−H2O
b6−NH3
y5−H2O
y5−NH3
y5
b7−NH3
y6
b7
y7
b8−NH3
b8
y8
b9
y9
b10

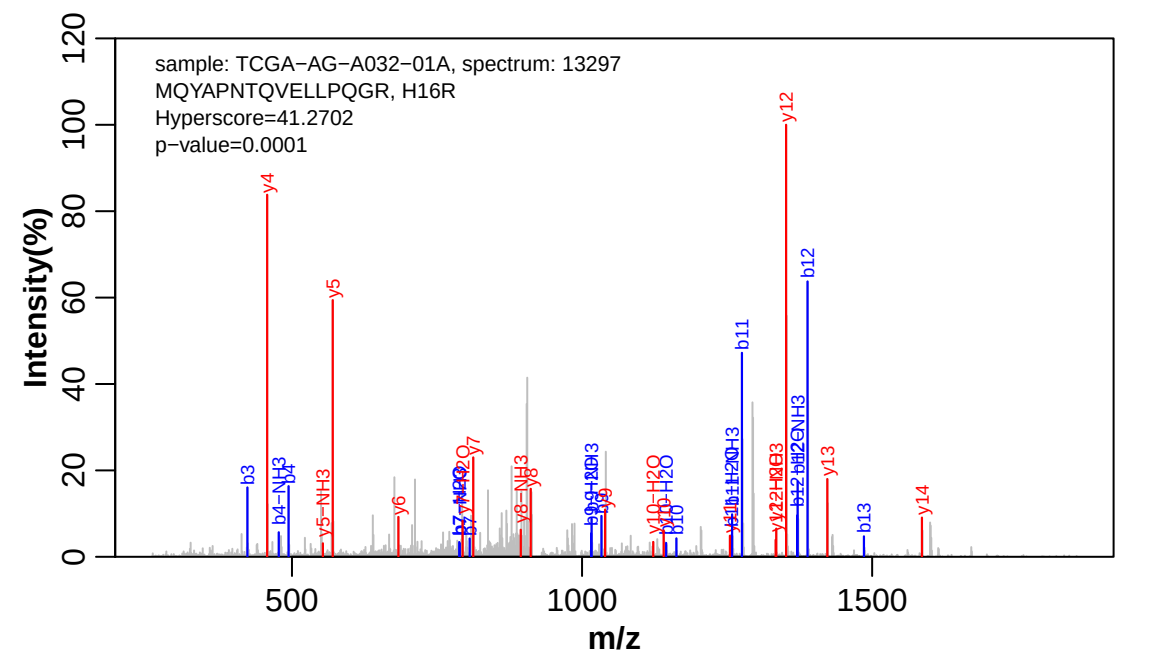

sample: TCGA−AG−A032−01A, spectrum: 32822
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=70.0676
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b14++
b11++
b13++
y6
y7
y5
y4
b10++
b12++
b10
b11
b12
y4−H2O
b7++
y3
y2
b9
b5
b15++−H2O
b15++−NH3
b7
b17++
y10−H2O
y10
b8
b9
b11−H2O
b11−NH3
y6−H2O
y6−NH3
y13++−NH3
b10++−NH3
b9++
b4
y7−H2O
y7−NH3

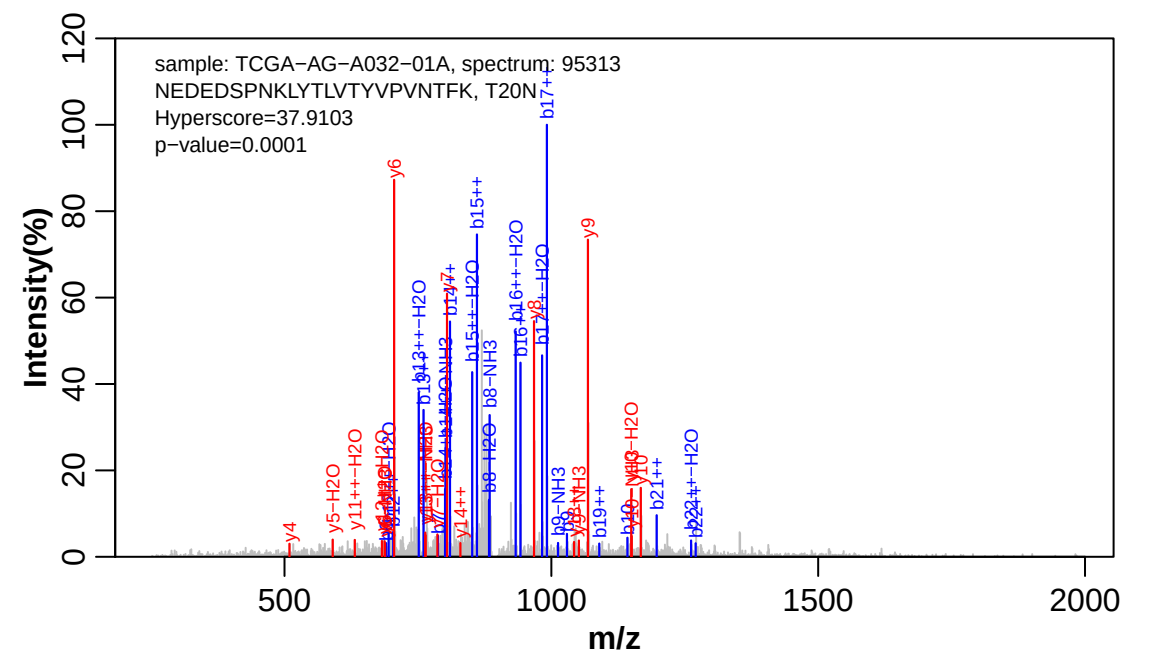

sample: TCGA−AG−A032−01A, spectrum: 16424
LLNLLADLVER, R4L
Hyperscore=39.8246
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
b6−NH3
y6
b7−NH3
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

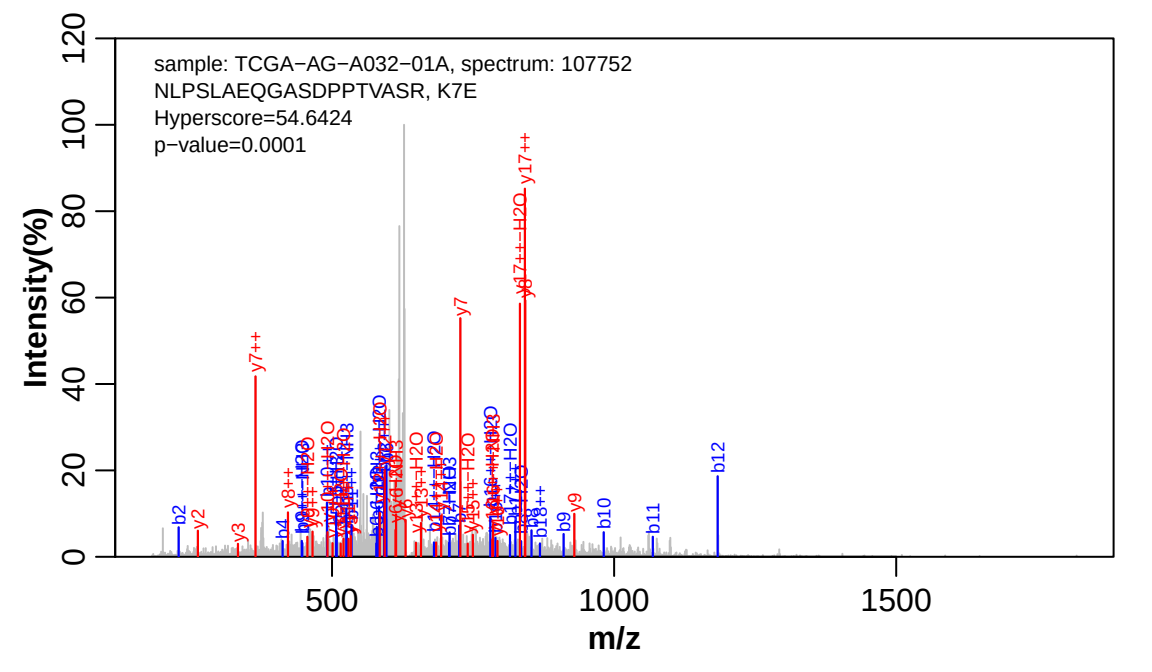

sample: TCGA−AG−A032−01A, spectrum: 109868
LLSDLLPPSTGTFQEAQSR, S5L
Hyperscore=12.8352
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z
y13
y12
y8
b6−H2O
b6
b5−H2O
b5

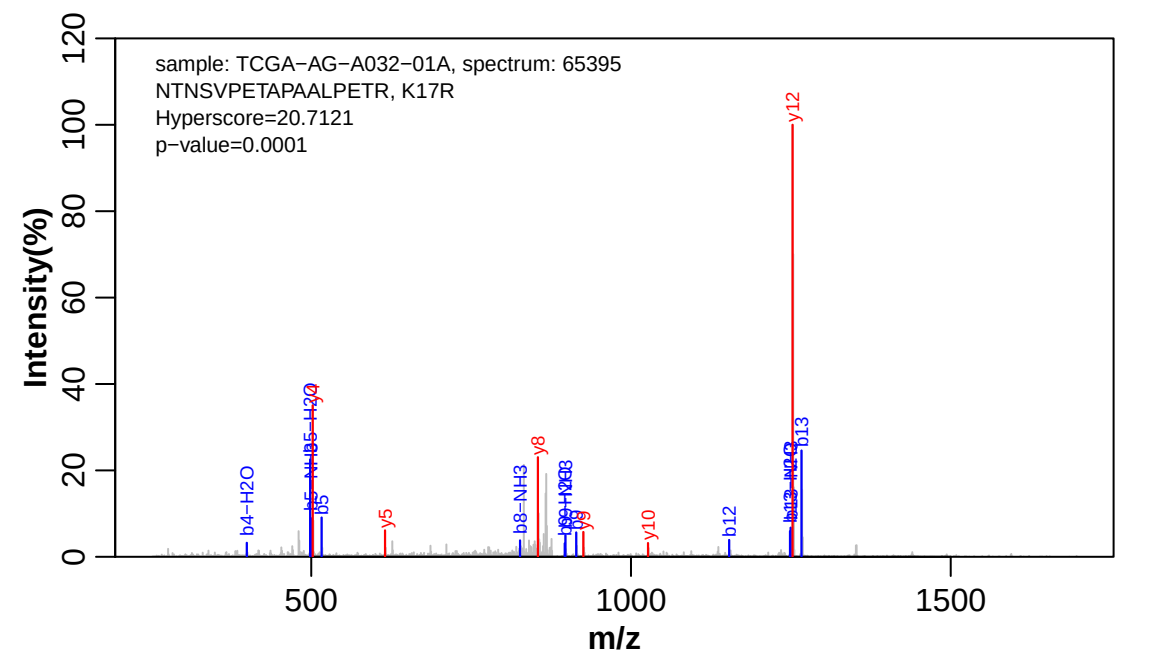

sample: TCGA−AG−A032−01A, spectrum: 103180
LSDLQEALDQALNHVR, Y14H
Hyperscore=21.0051
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
b4
y9++
b5
y10++
y5
y11++
y12++−H2O
b13++−H2O
b14++
y14++−H2O
y14++
y15++−H2O
y15++

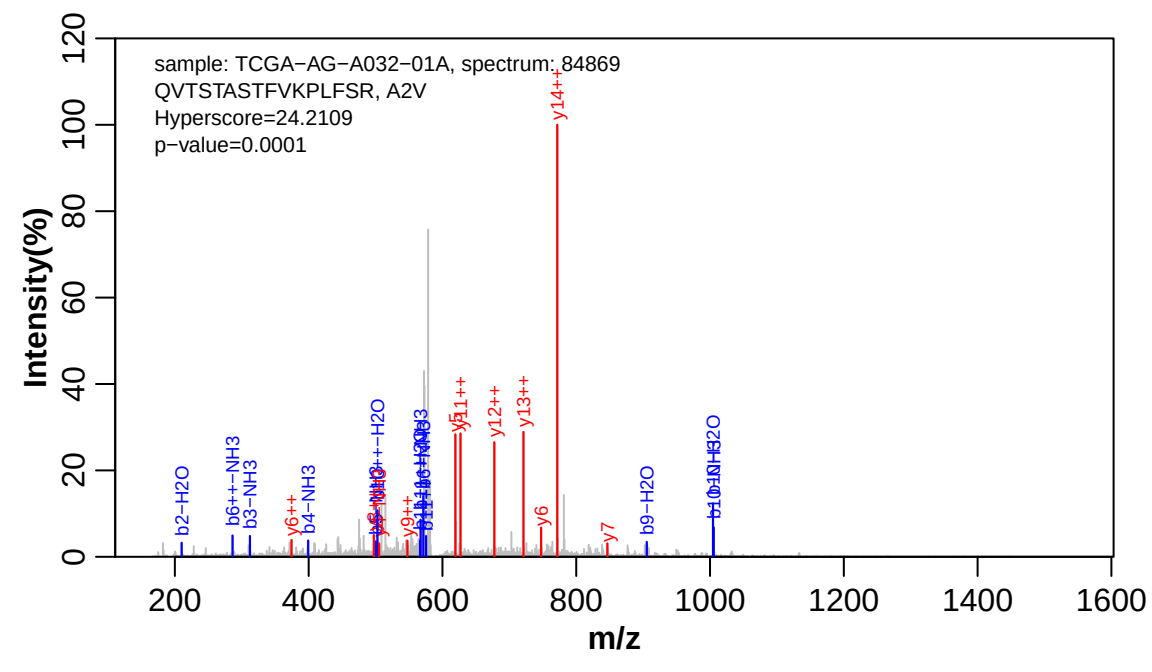

sample: TCGA−AG−A032−01A, spectrum: 6629
LYTLVTYVPVNTFK, T11N
Hyperscore=36.7822
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b3−H2O
b3
b4−H2O
b4
b5−H2O
b5
y5
b6−H2O
b6
y7−H2O
y6
y7
b7−NH3
b7−H2O
b7
b8−NH3
b8−H2O
b8
y8
y9
y10
y11
y12
b13

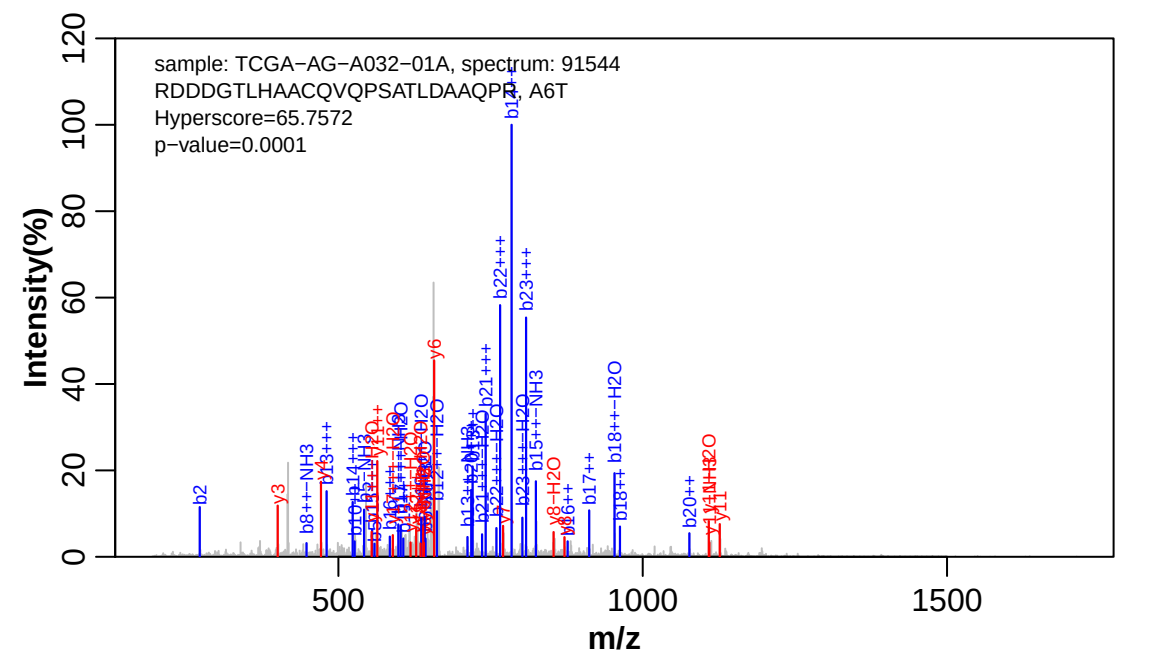

sample: TCGA−AG−A032−01A, spectrum: 13297
MQYAPNTQVELLPQGR, H16R
Hyperscore=41.2702
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y12
b12
b11
b3
b4−NH3
y5−NH3
y6
y8−NH3
y13
y14
b13

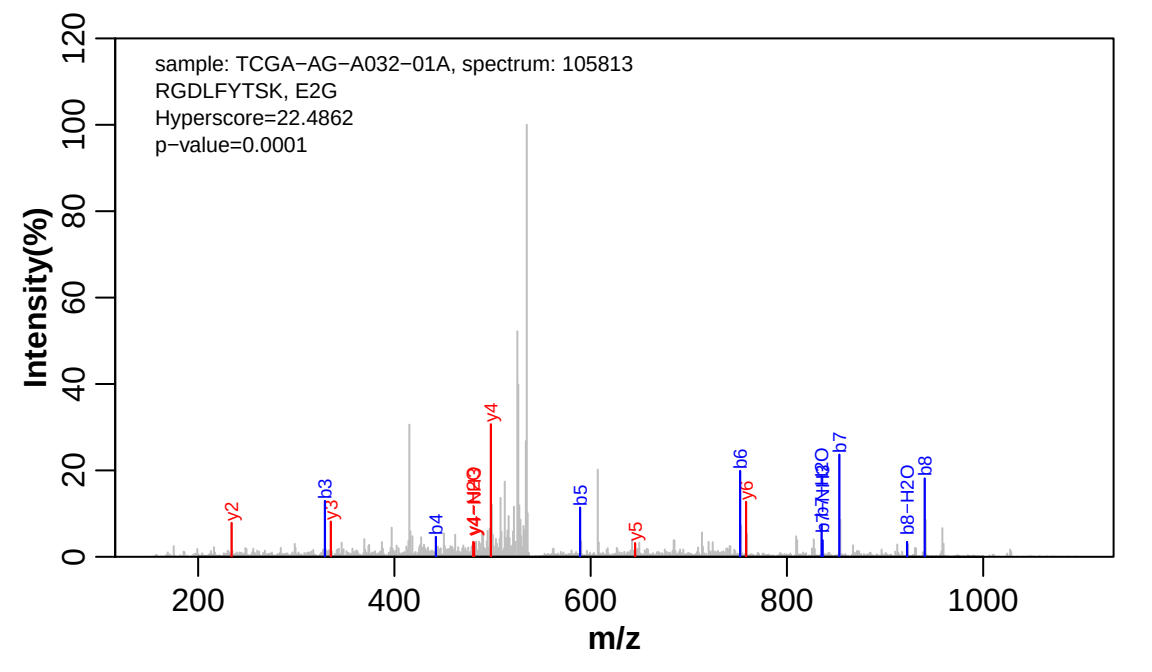

sample: TCGA−AG−A032−01A, spectrum: 95313
NEDEDSPNKLYTLVTYVPVNTFK, T20N
Hyperscore=37.9103
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y6
b17++
y9
b15++
b15++−H2O
b16++−H2O
b13++−H2O
b8−NH3
b8−H2O
y5−H2O
y11++−H2O
y4
y14++
b19++
b21++
b22++−H2O

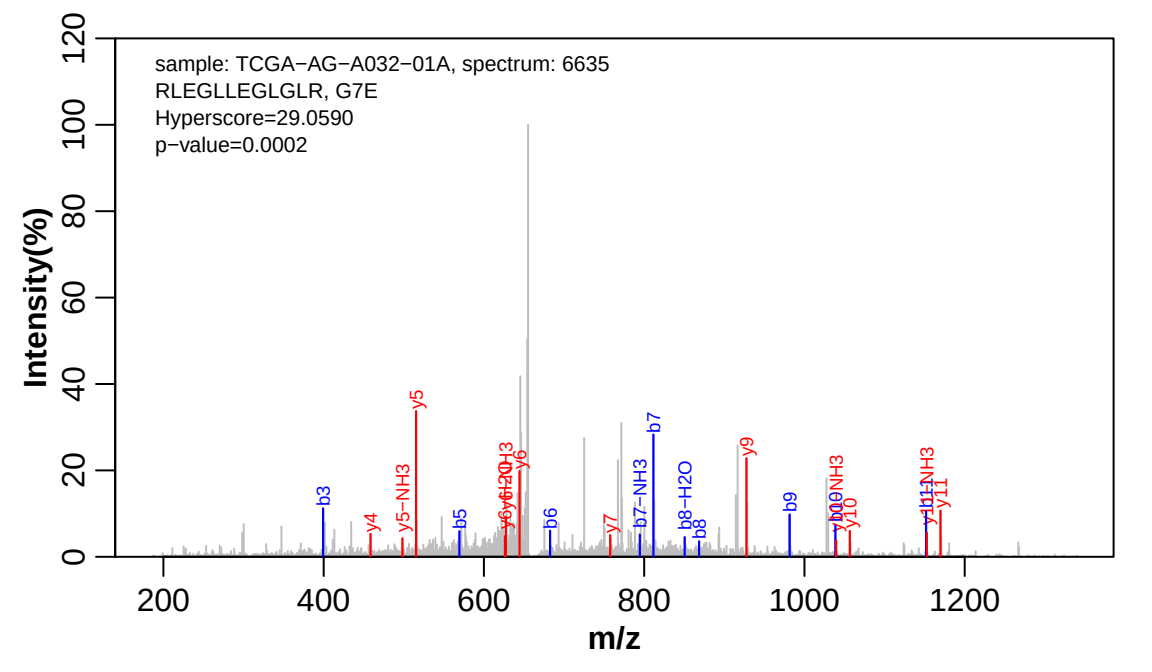

sample: TCGA−AG−A032−01A, spectrum: 107752
NLPSLAEQGASDPPTVASR, K7E
Hyperscore=54.6424
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y2
y3
y7++
y8++
y7
y17++
y17++−H2O
b12
b10
b11
y9
b9

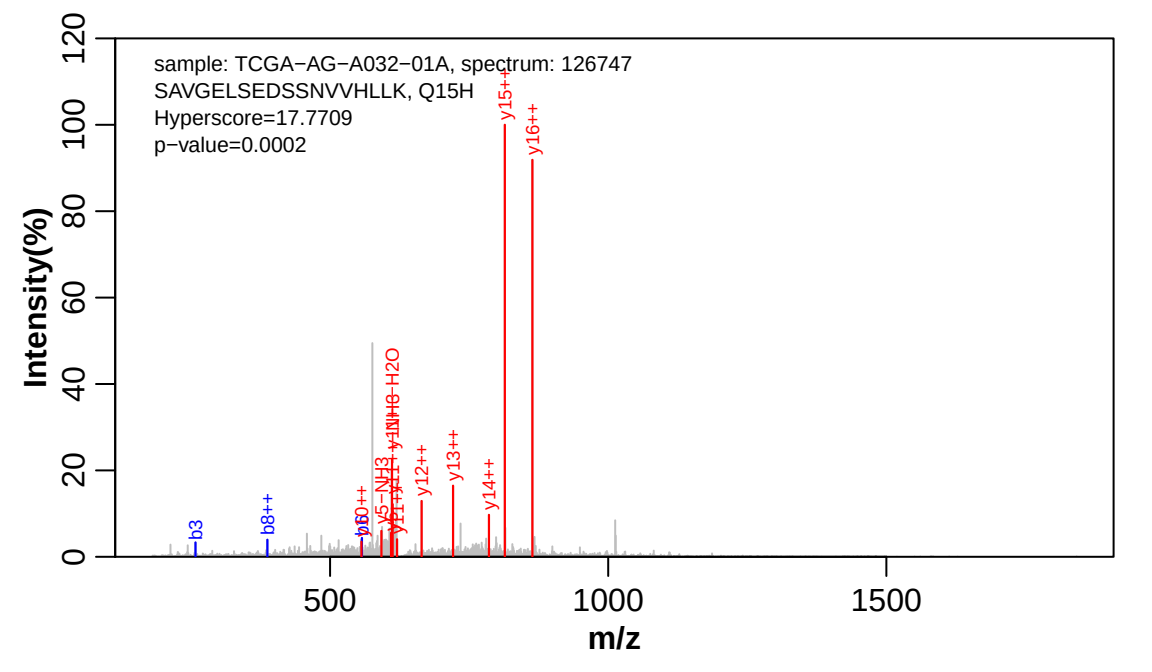

sample: TCGA−AG−A032−01A, spectrum: 65395
NTNSVPETAPAALPETR, K17R
Hyperscore=20.7121
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4−H2O
y5
b8−NH3
y8
y10
b12
y12
b13

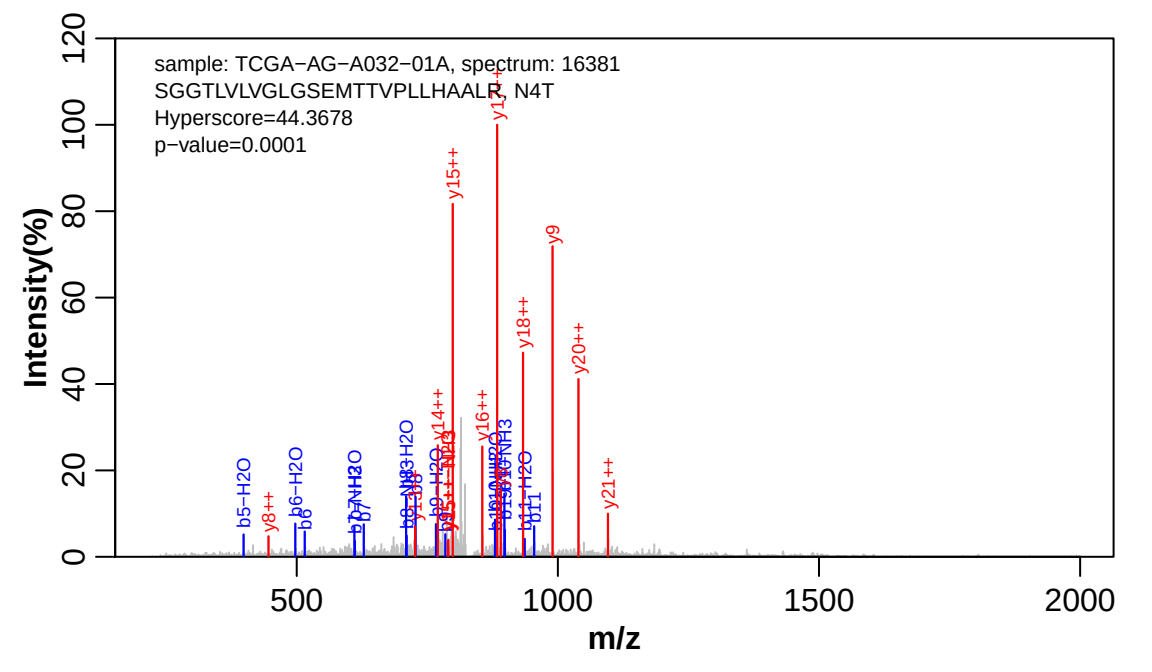

sample: TCGA−AG−A032−01A, spectrum: 84869
QVTSTASTFVKPLFSR, A2V
Hyperscore=24.2109
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
b2−H2O
b6++−NH3
b3−NH3
y6++
b4−NH3
y5
y11++
y12++
y13++
y14++
y6
y7
b9−H2O

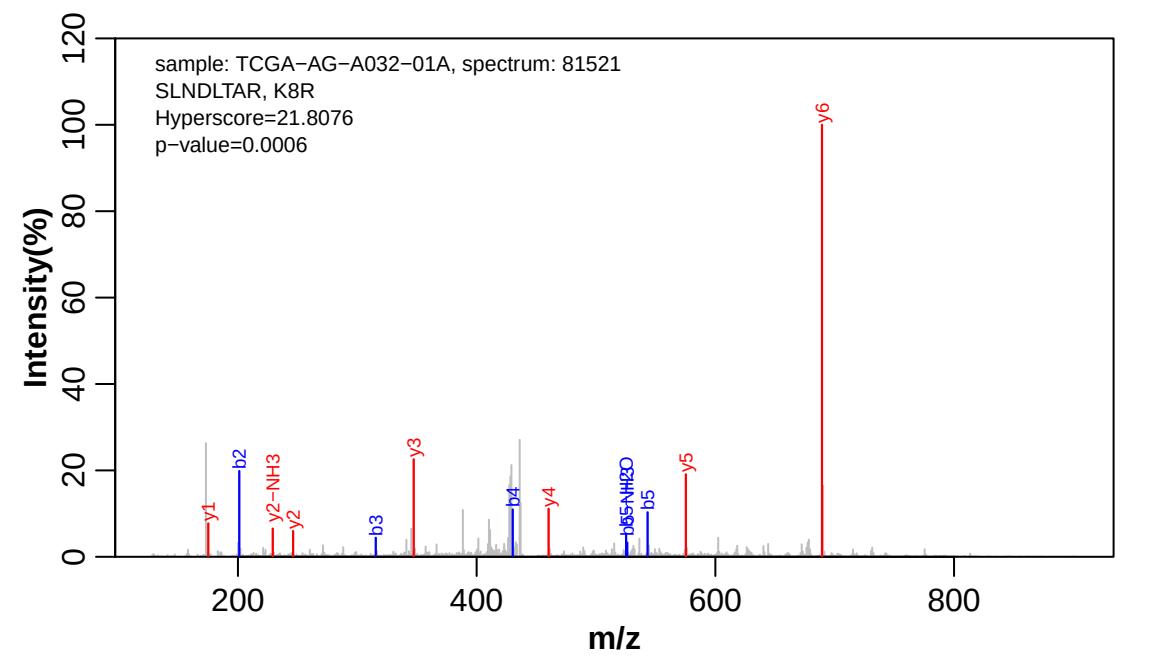

sample: TCGA−AG−A032−01A, spectrum: 91544
RDDDGTLHAACQVQPSATLDAAQPR, A6T
Hyperscore=65.7572
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
y3
b8++−NH3
b9+++
b12+++−H2O
y6
b22+++
b23+++
b15++−NH3
b21+++
b23+++−H2O
b18++−H2O
b17++
b18++
b20++
y11
y11−NH3−H2O

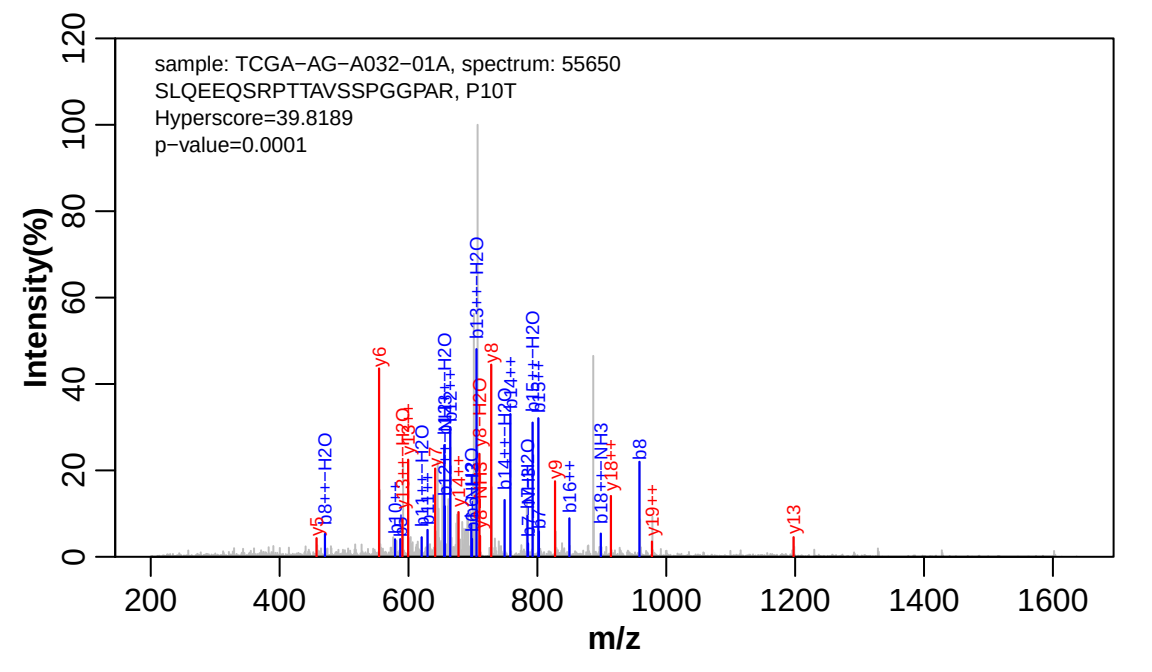

sample: TCGA−AG−A032−01A, spectrum: 105813
RGDLFYTSK, E2G
Hyperscore=22.4862
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
m/z
y2
b3
y3
b4
y4
y4−NH3
b5
y5
b6
y6
b7
b8−H2O
b8

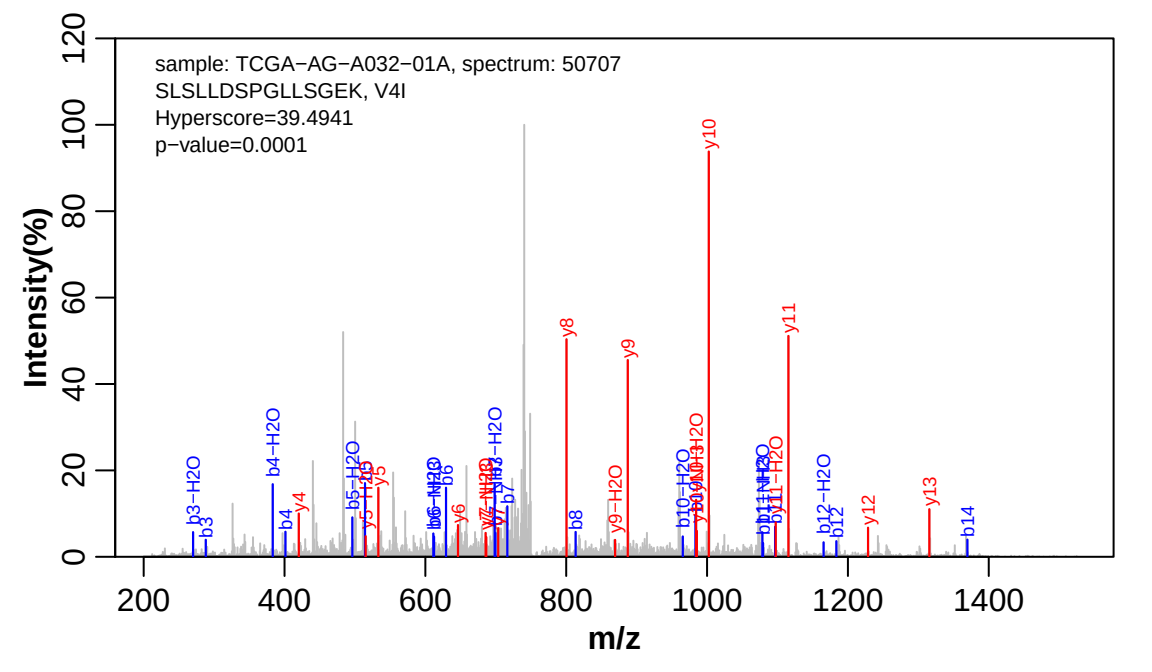

sample: TCGA−AG−A032−01A, spectrum: 6635
RLEGLLEGLGLR, G7E
Hyperscore=29.0590
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b3
y4
y5−NH3
y5
b5
y6−H2O
y6−NH3
y6
b6
y7
b7−NH3
b7
b8−H2O
b8
y9
b9
y10
y11−NH3
y11

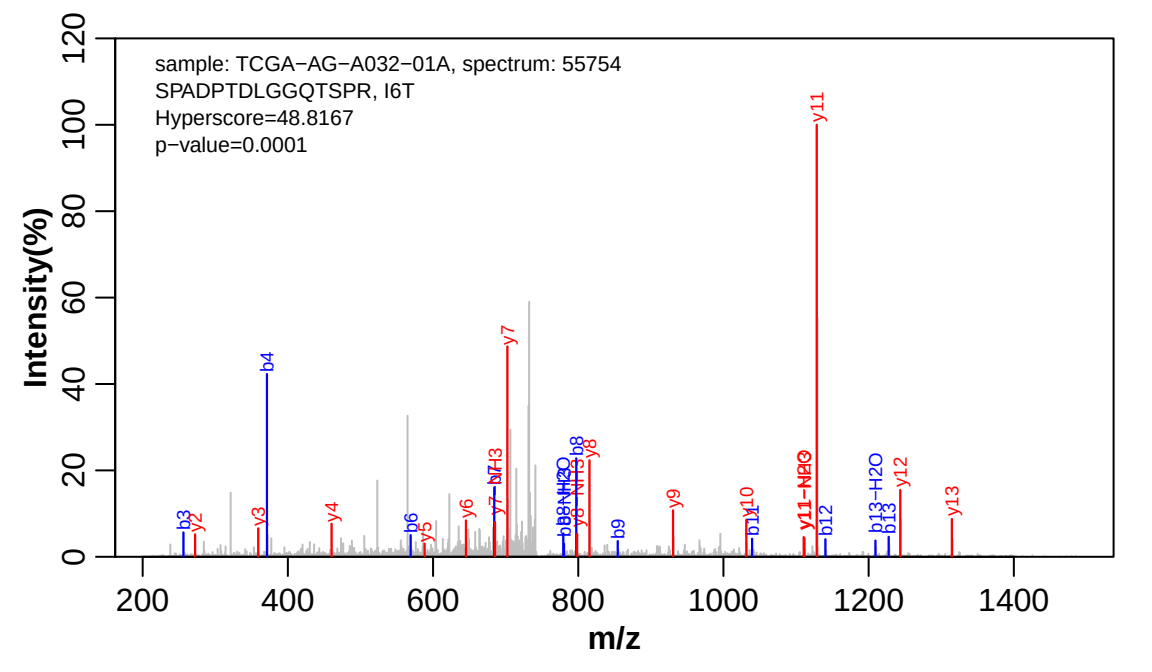

sample: TCGA−AG−A032−01A, spectrum: 126747
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.7709
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
b8++
b9++
y5−NH3
y11−H2O
y11−NH3
y11−H2O
y12++
y13++
y14++
y15++
y16++

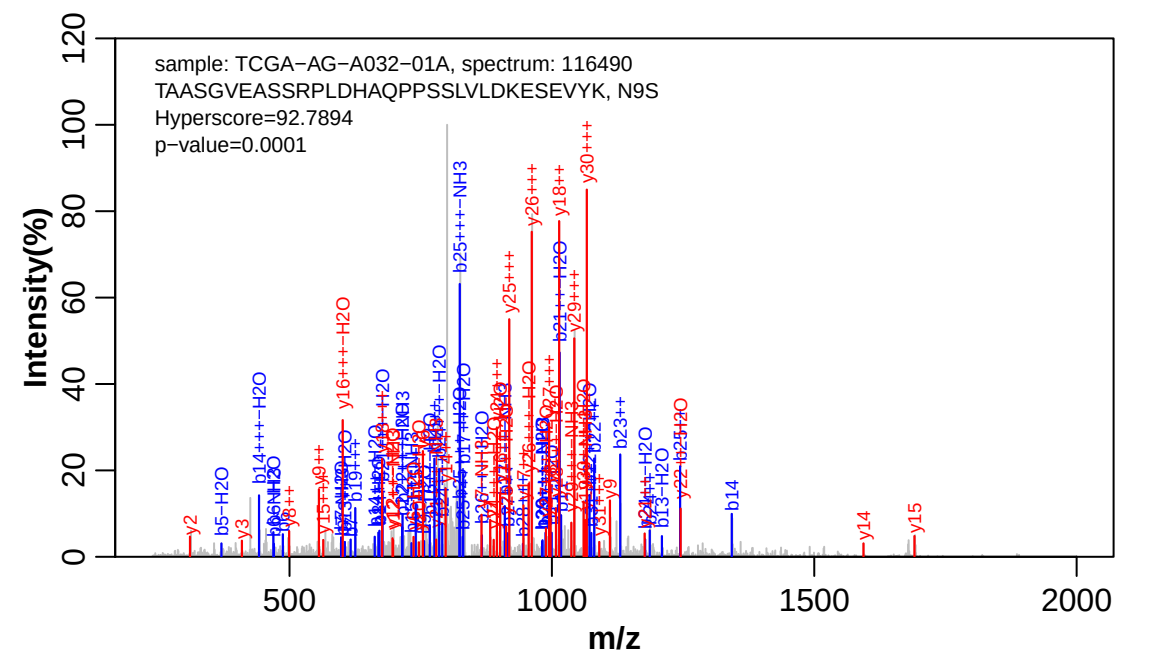

sample: TCGA−AG−A032−01A, spectrum: 16381
SGGTLVLVGLGSEMTTVPLLHAALR, N4T
Hyperscore=44.3678
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y17++
y15++
y9
y18++
y20++
y21++
y14++
y16++
y8++
b5−H2O
b6−H2O
b8
b7
b11
b11−H2O

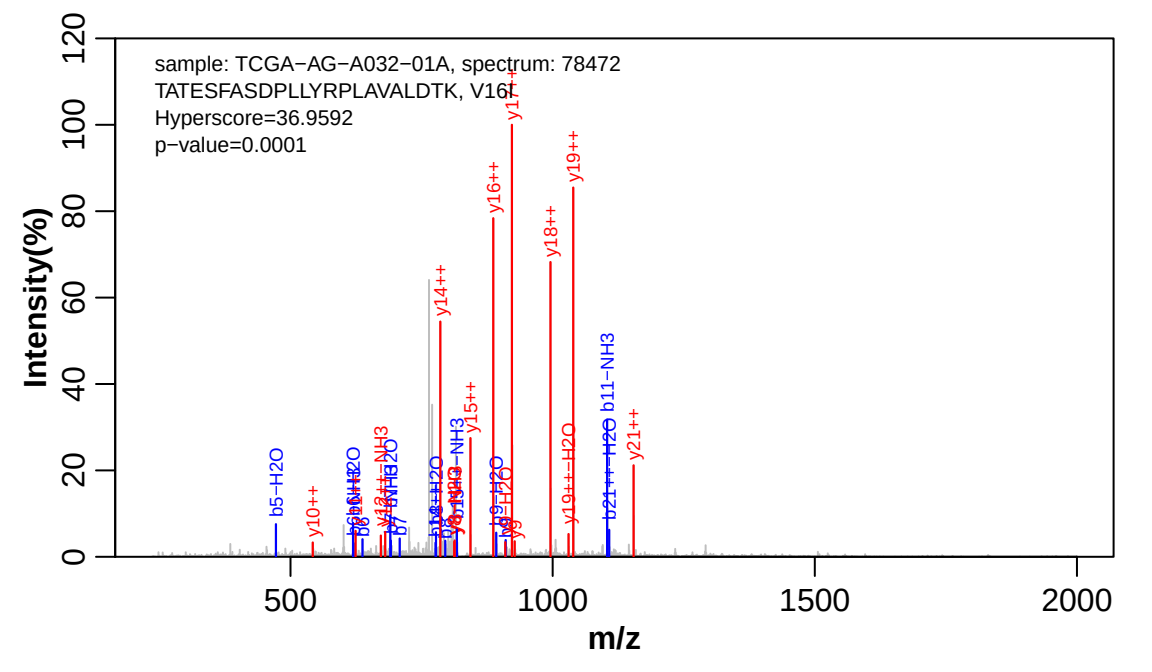

sample: TCGA−AG−A032−01A, spectrum: 81521
SLNDLTAR, K8R
Hyperscore=21.8076
p−value=0.0006
Intensity(%)
m/z
y6
y5
y4
y3
b5
b4
b3
b2
y2
y2−NH3
y1

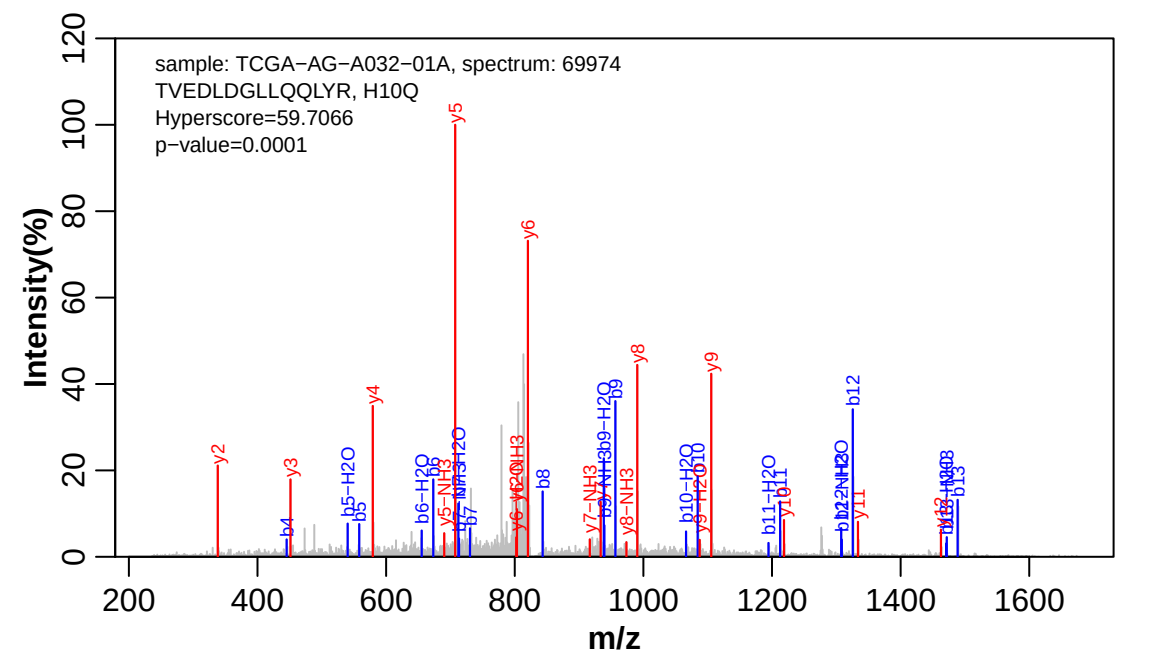

sample: TCGA−AG−A032−01A, spectrum: 55650
SLQEEQSRPTTAVSSPGGPAR, P10T
Hyperscore=39.8189
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
y8
b13++−H2O
b15++−H2O
b8++−H2O
b18++−NH3
y18++
b8
y19++
y13
b16++
y9

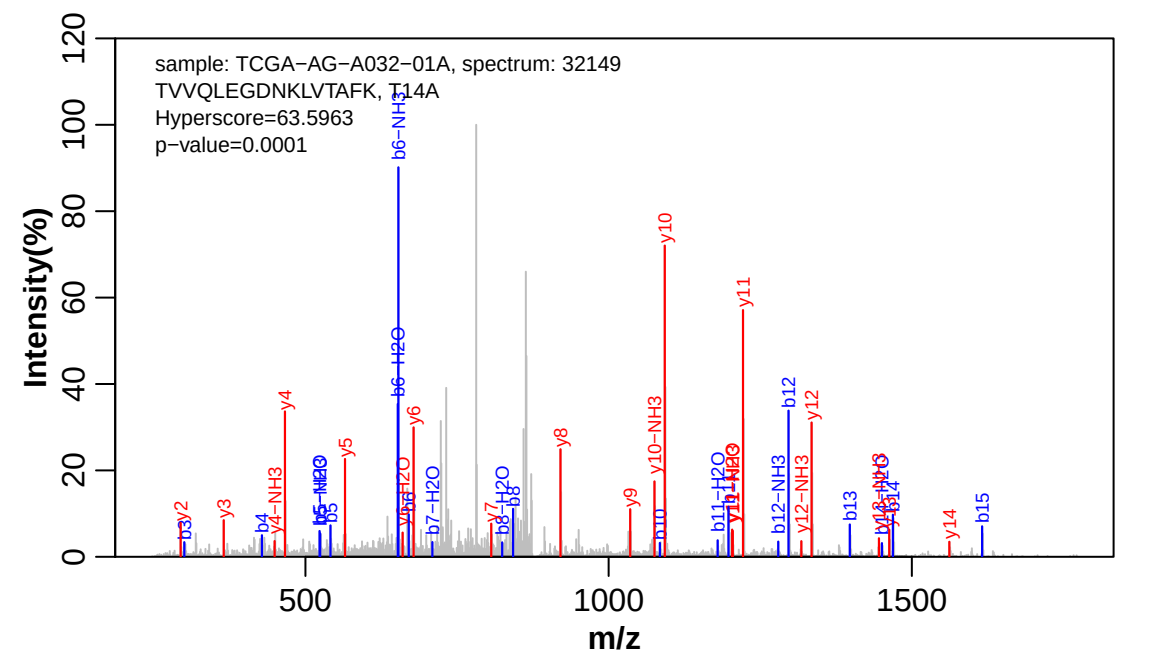

sample: TCGA−AG−A032−01A, spectrum: 50707
SLSLLDSPGLLSGEK, V4I
Hyperscore=39.4941
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3−H2O
b3
b4−H2O
b4
y4
b5−H2O
y5−H2O
y5
b6
y6
b7
y8
b8
y9
y9−H2O
b10−H2O
y10
y10−H2O
y11
y11−H2O
b12−H2O
b12
y12
y13
b14

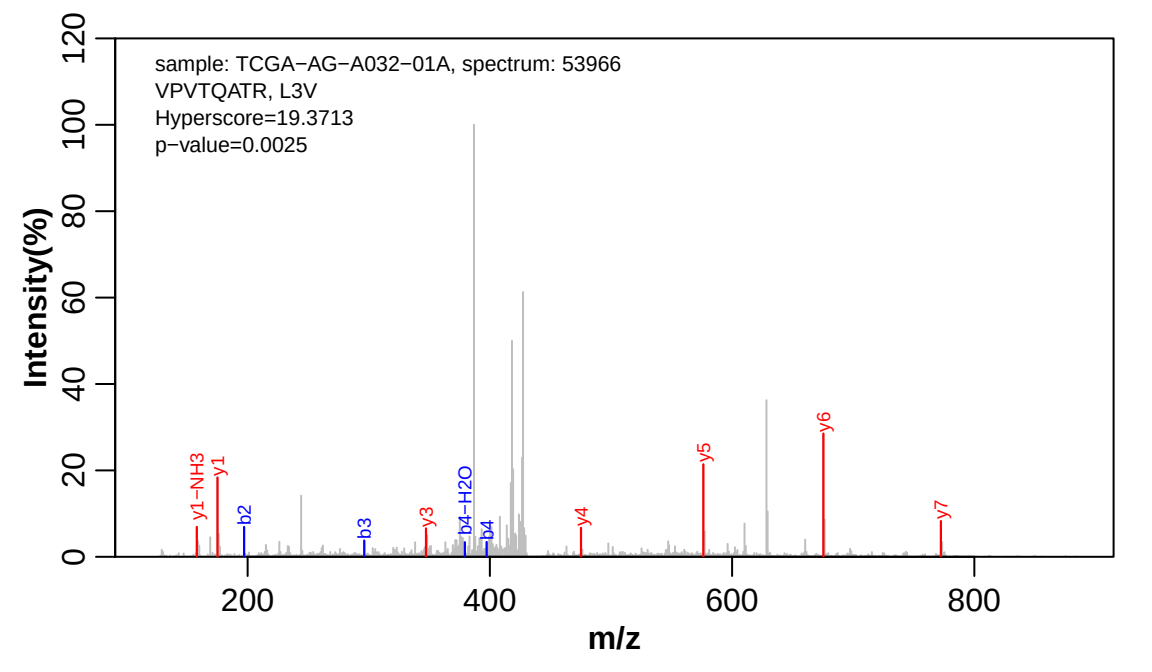

sample: TCGA−AG−A032−01A, spectrum: 55754
SPADPTDLGGQTSPR, I6T
Hyperscore=48.8167
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b3
y2
y3
b4
y4
b6
y5
y6
y7
y7−NH3
b8−NH3
b8
y8−NH3
y8
b9
y9
b10
y10
b11
y11−NH3
y11
b12
b13−H2O
b13
y12
y13

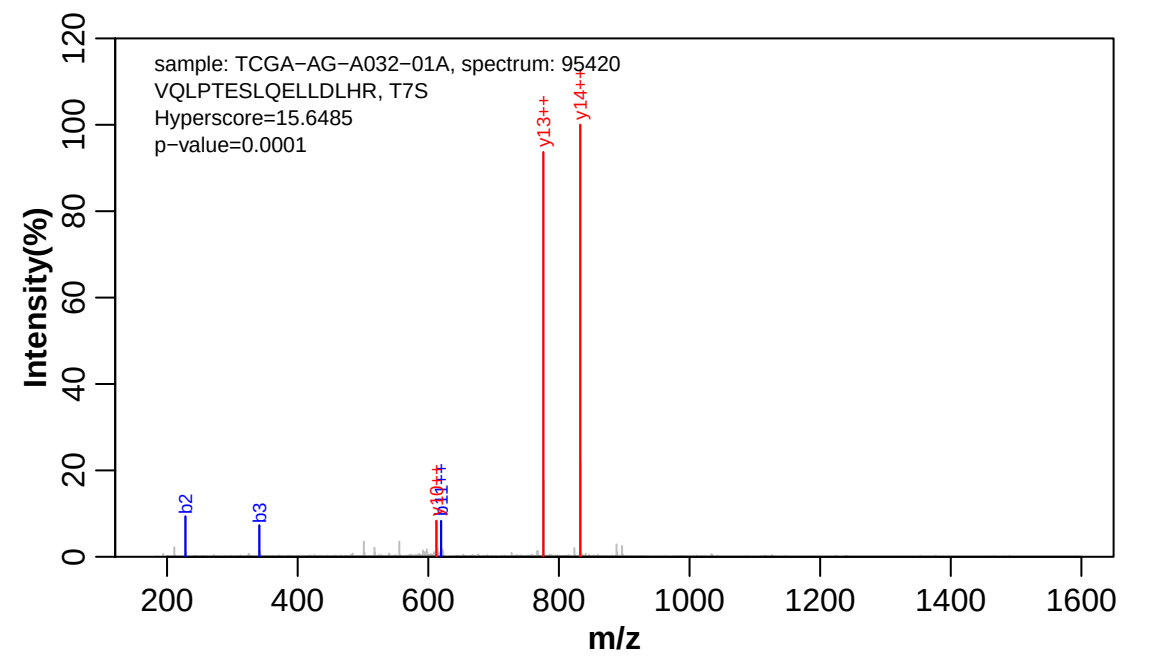

sample: TCGA−AG−A032−01A, spectrum: 116490
TAASGVEASSRPLDHAQPPSSLVLDKESEVYK, N9S
Hyperscore=92.7894
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
b5−H2O
y3
b14+++−H2O
y8++
y15++
y9++
y16+++−H2O
b19++
b25+++−NH3
b17+−H2O
y25+++
y26+++
y18++
y30+++
b21+++−H2O
y29+++
b23++
y31+++
y9
b24++−H2O
b13−H2O
y22
b29+−H2O
b14
y14
y15

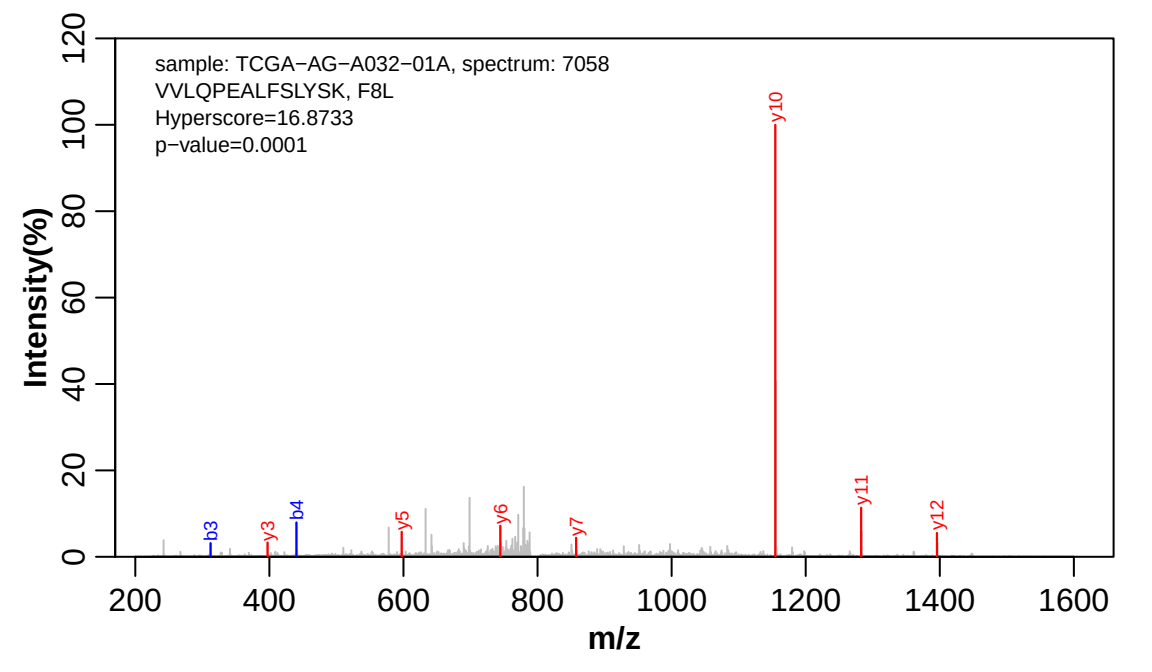

sample: TCGA−AG−A032−01A, spectrum: 78472
TATESFASDPLLYRPLAVALDTK, V16T
Hyperscore=36.9592
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
b5−H2O
y10++
y14++
y15++
y16++
y17++
y18++
y19++
y19++−H2O
b11−NH3
y21++

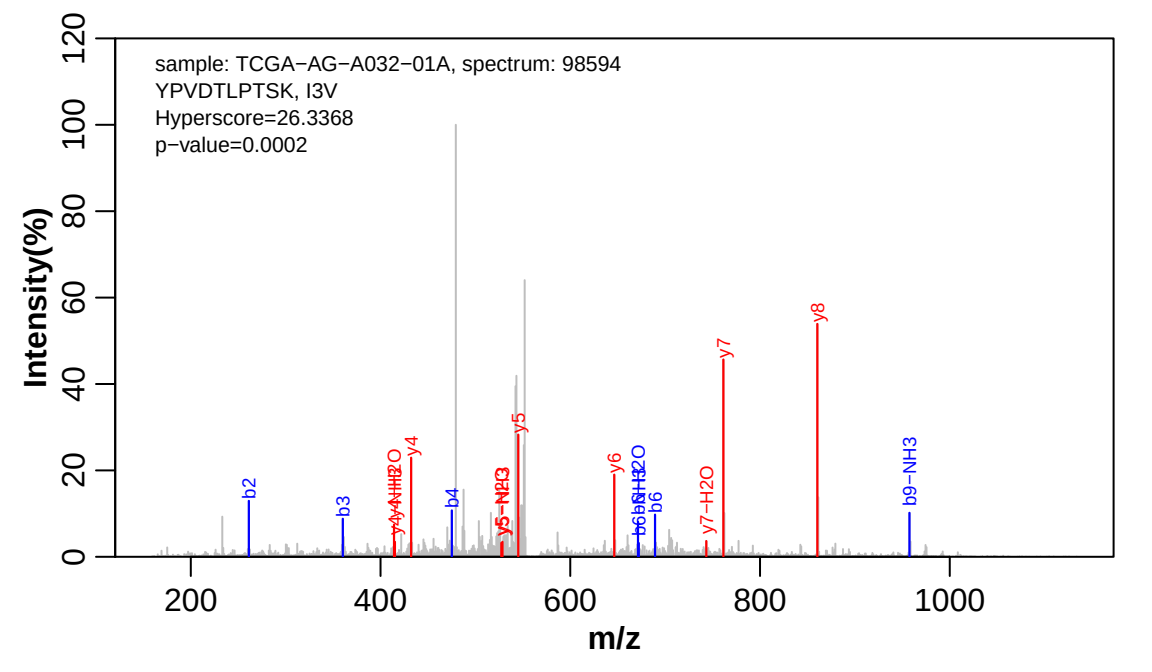

sample: TCGA−AG−A032−01A, spectrum: 69974
TVEDLDGLLQQLYR, H10Q
Hyperscore=59.7066
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y5
y6
y8
y9
y4
y2
y3
b12
b5−H2O
b6−H2O
b9−H2O
b10−H2O
b11−H2O
b8
b4
b5
b6
b7
b9
y7−NH3
y8−NH3
y9−H2O
y10
y11
b13

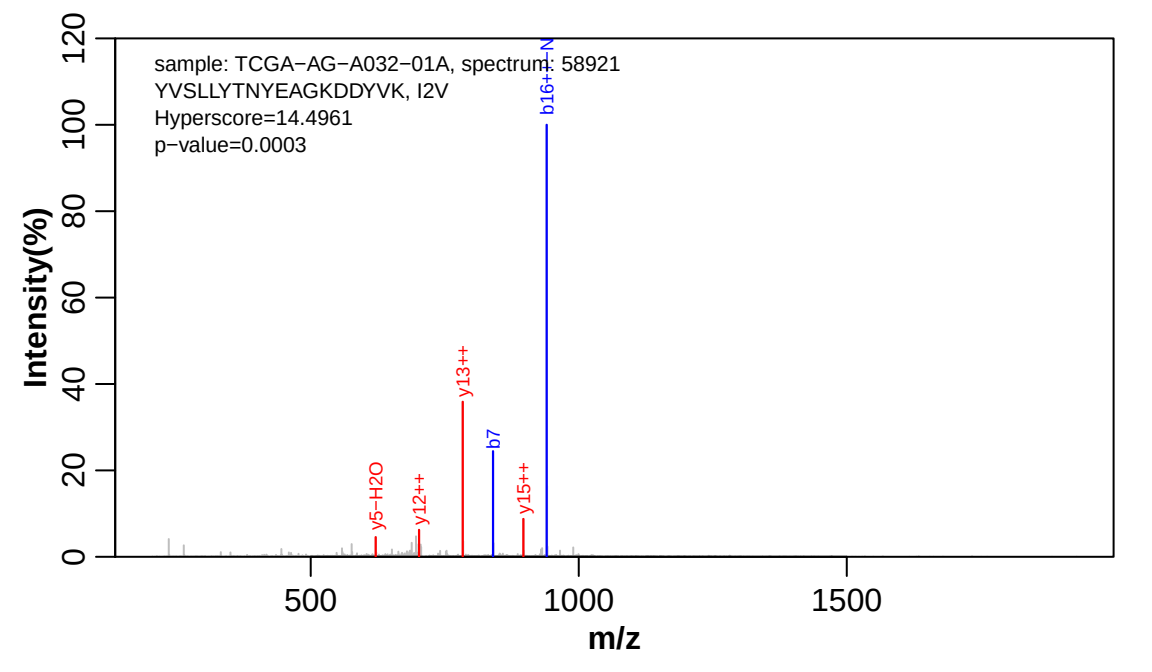

sample: TCGA−AG−A032−01A, spectrum: 32149
TVVQLEGDNKLVTAFK, +14A
Hyperscore=63.5963
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b6−NH3
b6−H2O
y10
y11
y4
y6
y5
y8
y10−NH3
y12
b12
y4−NH3
b12−NH3
y12−NH3
b13
y14
b15
b7−H2O
y9
b11−H2O
y2
y3
b3
b4
b5
b6
b7
b8
b8−H2O
y7
b10
b14

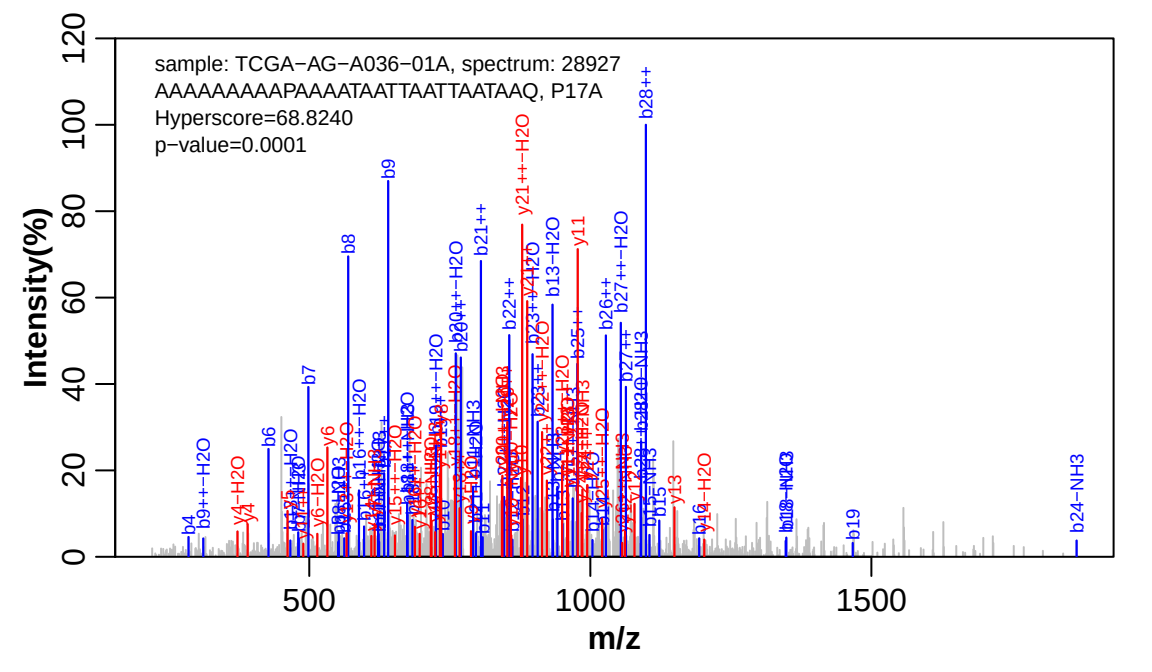

sample: TCGA−AG−A032−01A, spectrum: 53966
VPVTQATR, L3V
Hyperscore=19.3713
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1−NH3
y1
b2
b3
y3
b4−H2O
b4
y4
y5
y6
y7

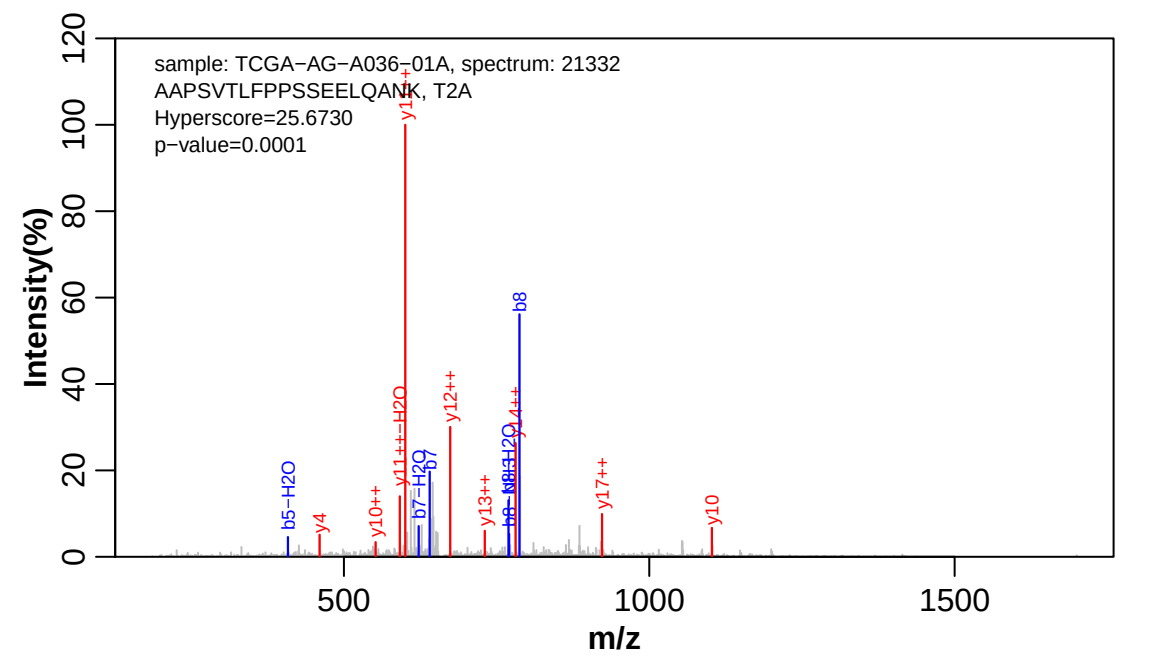

sample: TCGA−AG−A032−01A, spectrum: 95420
VQLPTESLQELLDLHR, T7S
Hyperscore=15.6485
p−value=0.0001
y13++
y14++
b2
b3
b10++
b11++
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
m/z

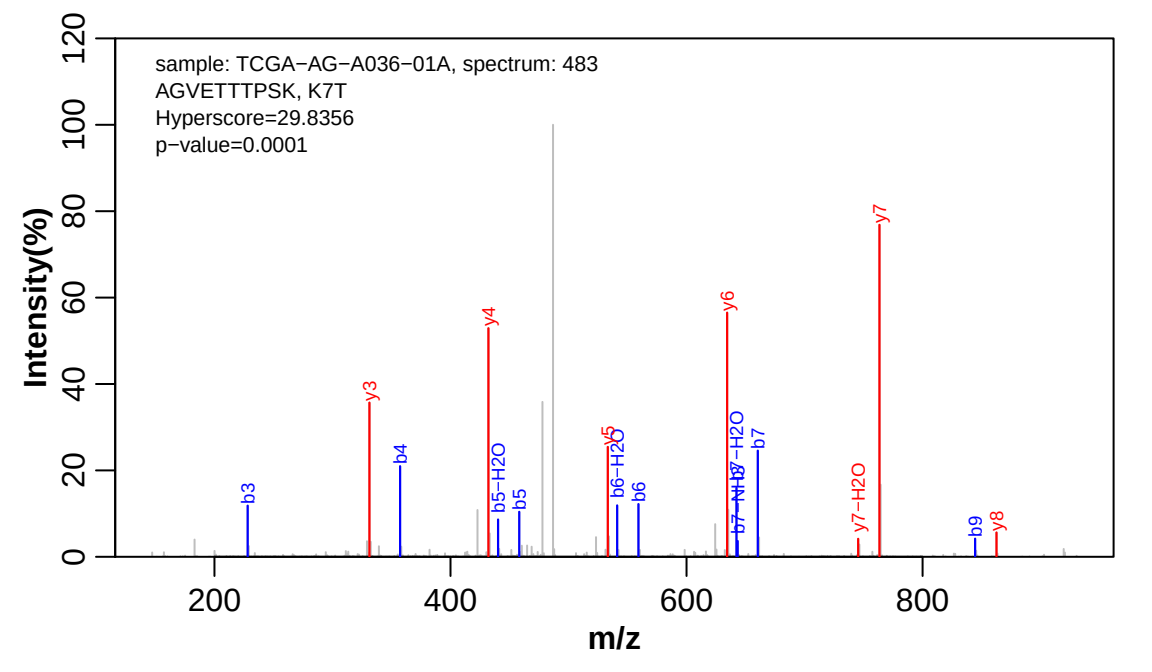

sample: TCGA−AG−A032−01A, spectrum: 7058
VVLQPEALFSLYSK, F8L
Hyperscore=16.8733
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
1200
1400
1600
b3
y3
b4
y5
y6
y7
y10
y11
y12

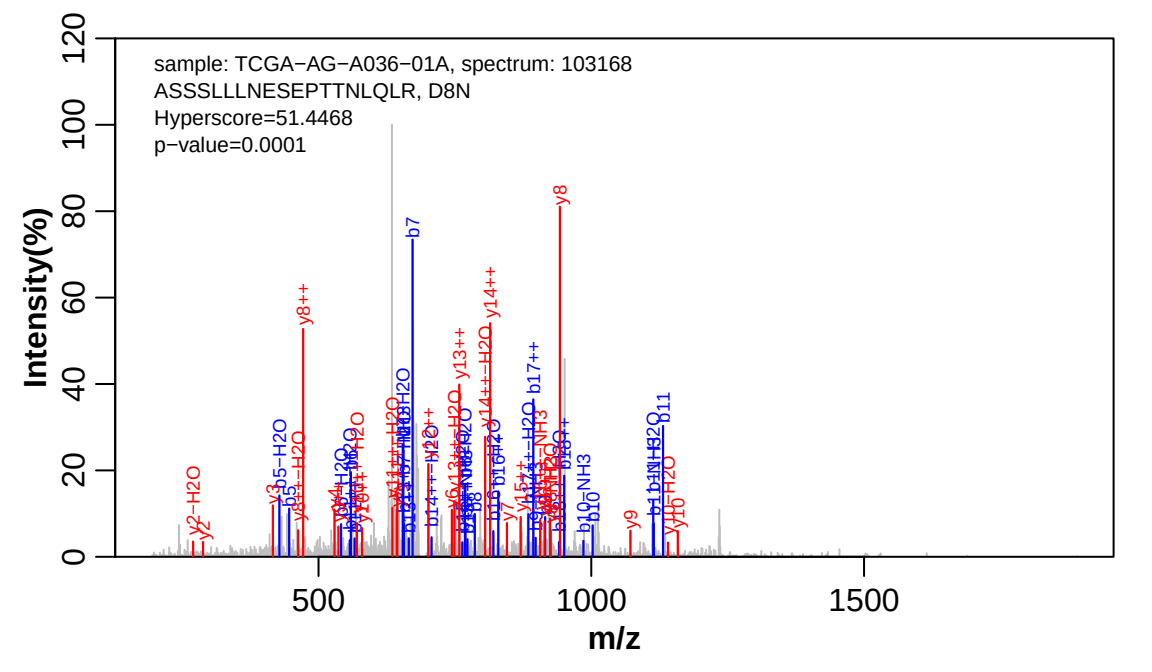

sample: TCGA−AG−A032−01A, spectrum: 98594
YPVDTLPTSK, I3V
Hyperscore=26.3368
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
y4
b4
y5
y6
b6
y7−H2O
y7
y8
b9−NH3

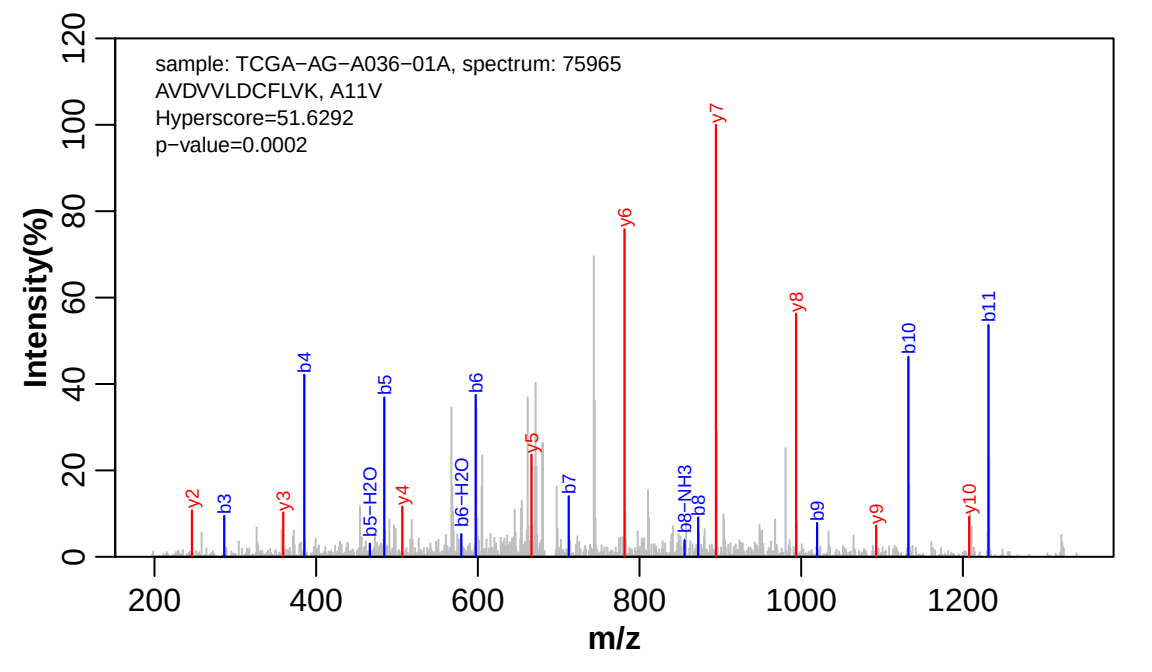

sample: TCGA−AG−A032−01A, spectrum: 58921
YVSLLYTNYEAGKDDYVK, I2V
Hyperscore=14.4961
p−value=0.0003
b16++−N
y13++
b7
y15++
y12++
y5−H2O
Intensity(%)
0
20
40
60
80
100
120
500
1000
1500
m/z

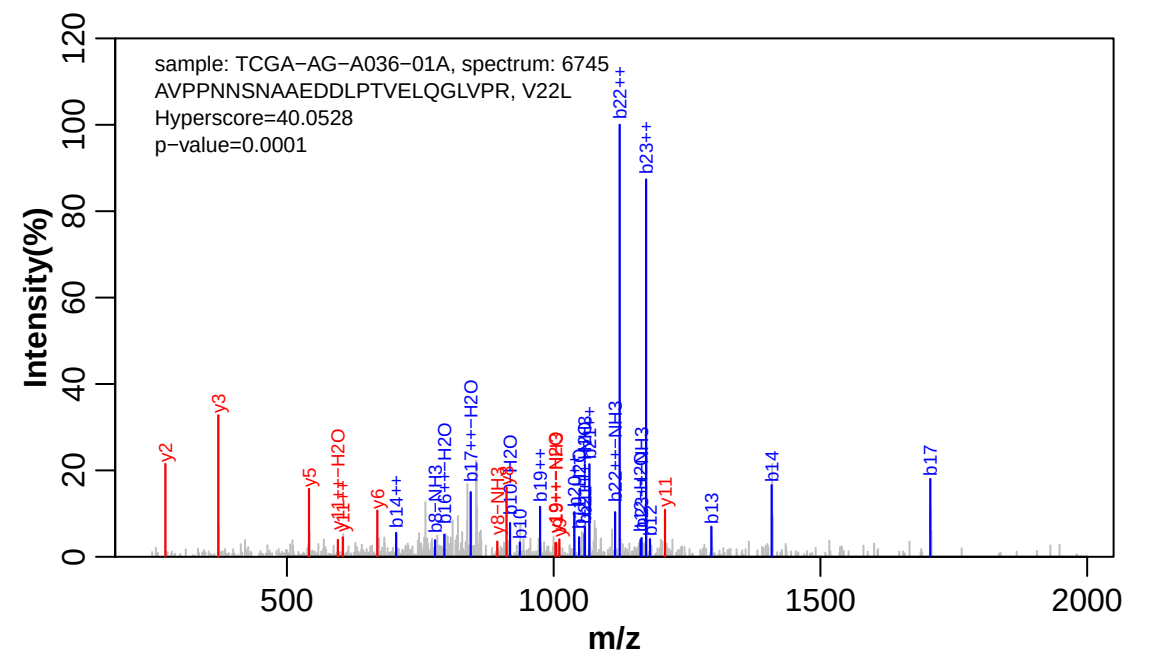

sample: TCGA−AG−A036−01A, spectrum: 28927
AAAAAAAAAPAAAATAATTAATTAATAAQ, P17A
Hyperscore=68.8240
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
b9++−H2O
y4−H2O
y4
b6
b7
y6−H2O
y6
b8
b9
b16++−H2O
y15++−H2O
b20++−H2O
b21++
b22++
y21++−H2O
b13−H2O
y11
b25++
b26++
b27++−H2O
b28++
b15−NH3
y13
b16−H2O
b19
b24−NH3

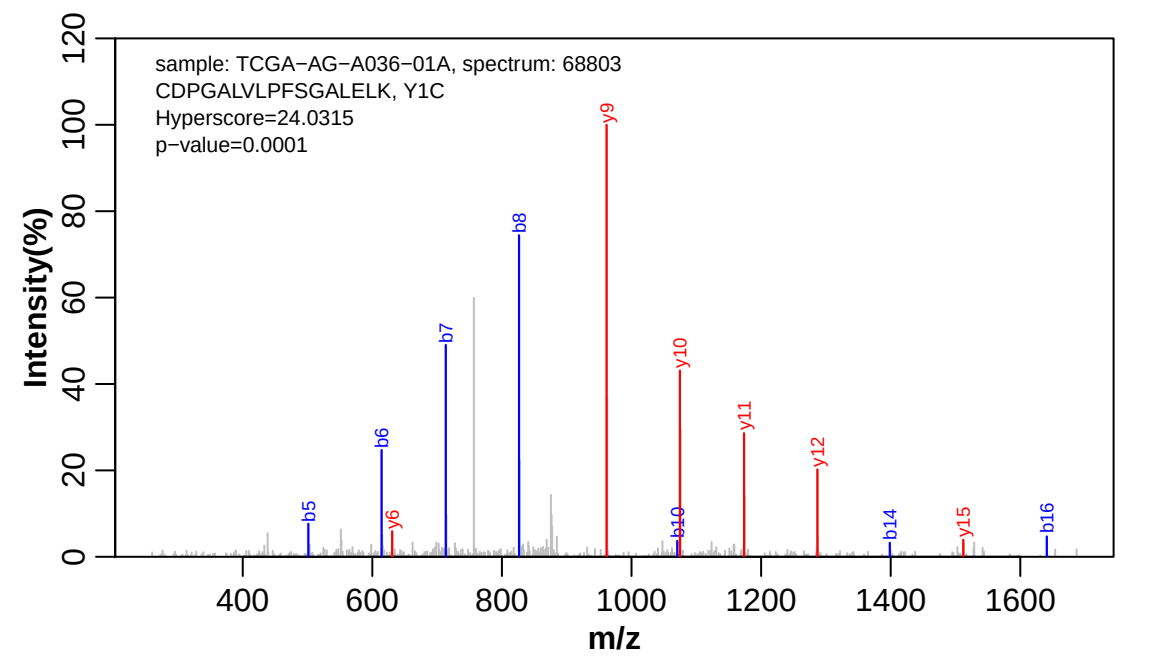

sample: TCGA−AG−A036−01A, spectrum: 21332
AAPSVTLFPPSSEELQANK, T2A
Hyperscore=25.6730
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b5−H2O
y4
y10++
y11++−H2O
y11++
b7−H2O
b7
y12++
y13++
b8−NH3−H2O
y14++
b8
y17++
y10

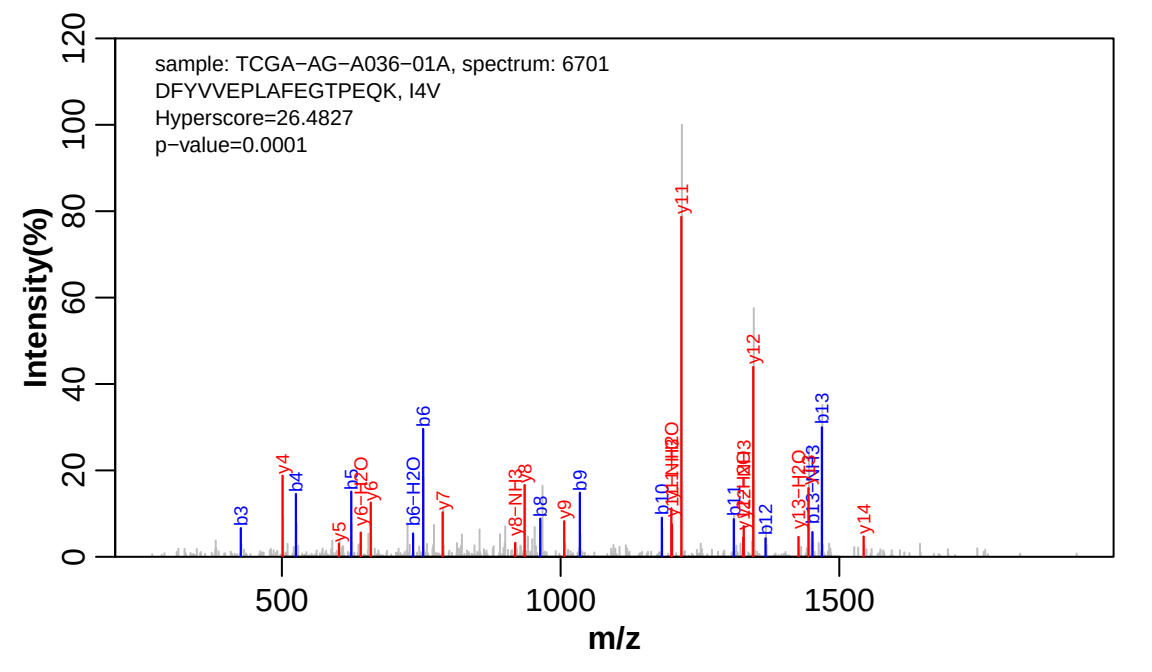

sample: TCGA−AG−A036−01A, spectrum: 483
AGVETTTPSK, K7T
Hyperscore=29.8356
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
b3
y3
b4
y4
b5−H2O
b5
b6−H2O
y5
b6
y6
b7−NH3
b7−H2O
b7
y7−H2O
y7
b9
y8

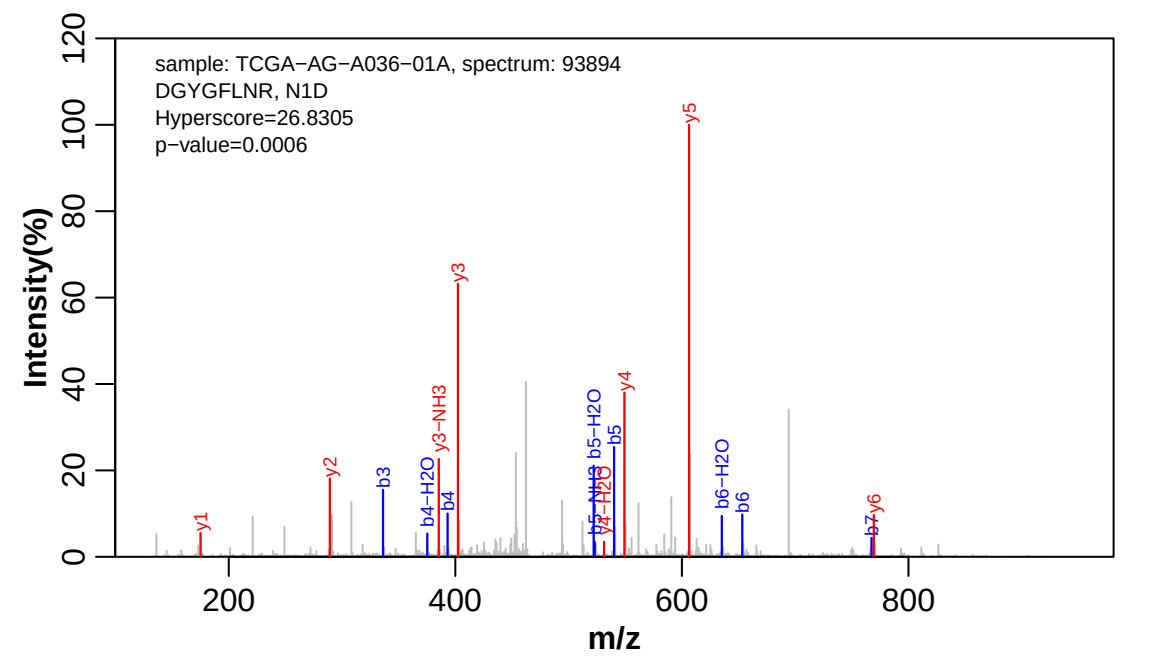

sample: TCGA−AG−A036−01A, spectrum: 103168
ASSSLLLNESEPTTNLQLR, D8N
Hyperscore=51.4468
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y8
y8++
b7
y14++
y14++−H2O
y13++
b17++
b11
y9
b10−NH3
y10−H2O
y2−H2O
y2
b5−H2O
b5
y8++−H2O
b14++
b14++−H2O
y7
y15++
y15++−H2O
y15++−NH3
b8++
b10
b10−H2O

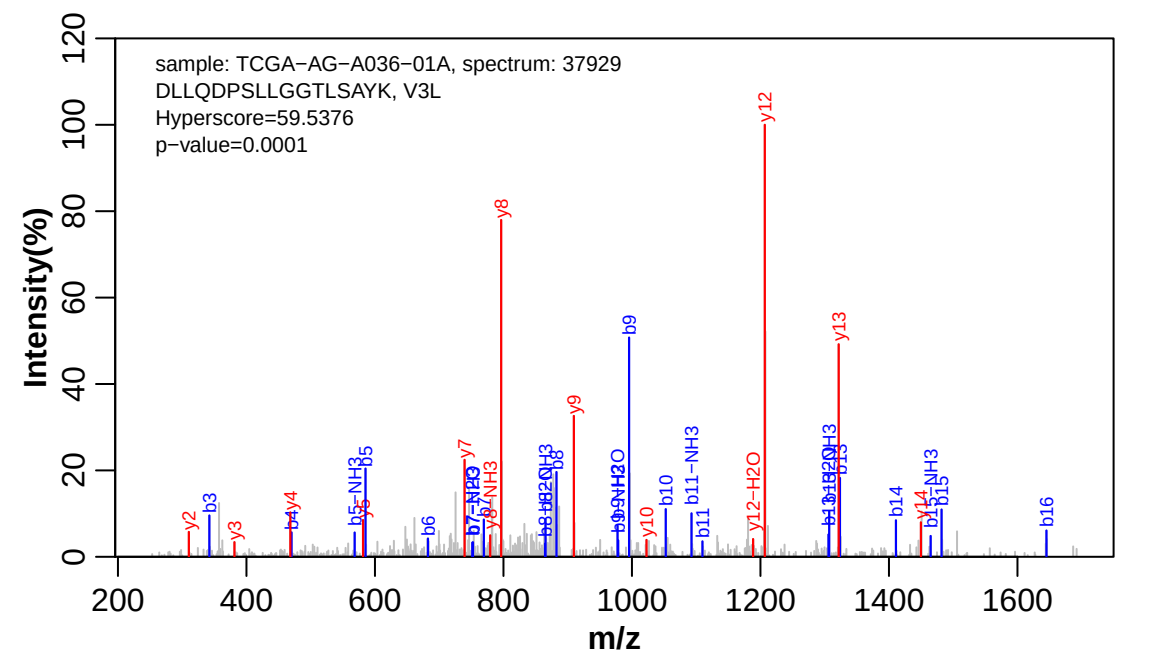

sample: TCGA−AG−A036−01A, spectrum: 75965
AVDVVLDCFLVK, A11V
Hyperscore=51.6292
p−value=0.0002
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3
b4
b5−H2O
b5
y4
b6−H2O
b6
y5
b7
b8−NH3
b8
y6
y7
y8
b9
y9
b10
y10
b11

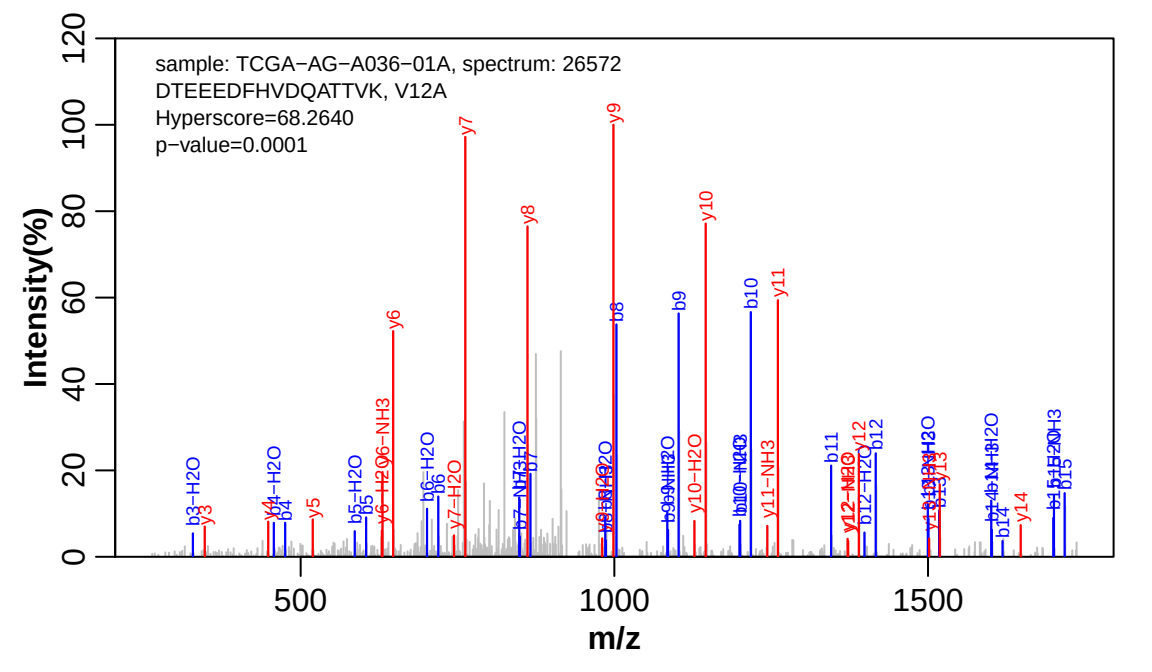

sample: TCGA−AG−A036−01A, spectrum: 6745
AVPPNNSNAAEDDLPTVELQGLVPR, V22L
Hyperscore=40.0528
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
2000
y2
y3
y5
y6
b14++
b17++−H2O
b22++−NH3
b22++
b23++
y11
b13
b14
b17

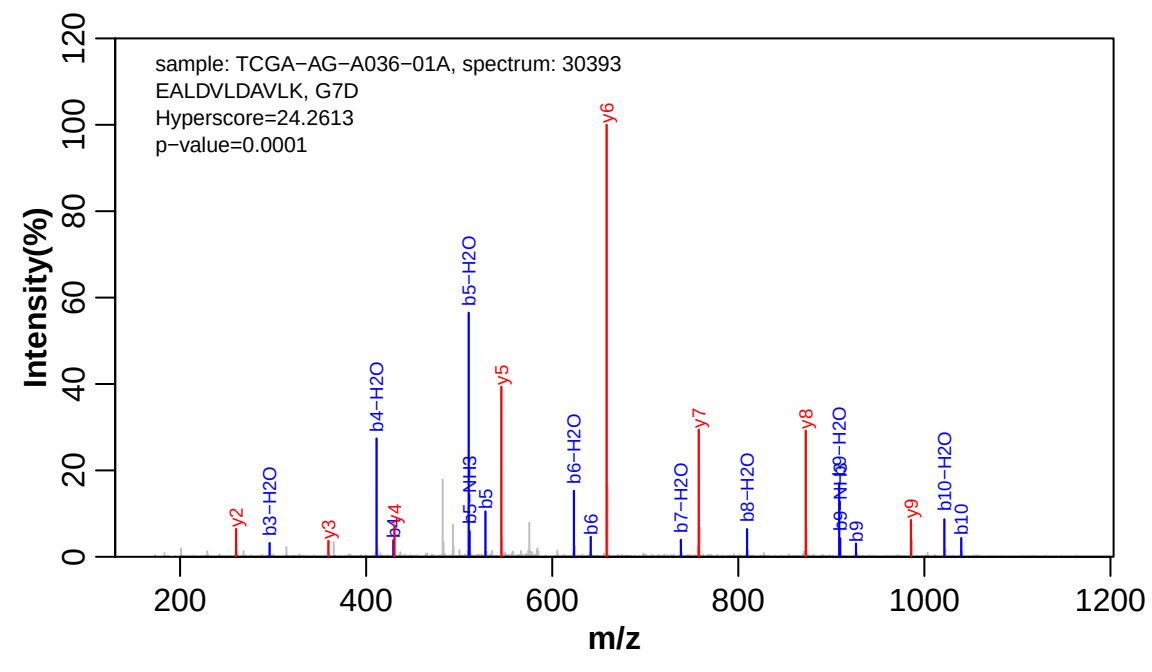

sample: TCGA−AG−A036−01A, spectrum: 68803
CDPGALVLPFSGALELK, Y1C
Hyperscore=24.0315
p−value=0.0001
Intensity(%)
0
20
40
60
80
100
120
m/z
400
600
800
1000
1200
1400
1600
b5
y6
b6
b7
b8
y9
b10
y10
y11
y12
b14
y15
b16

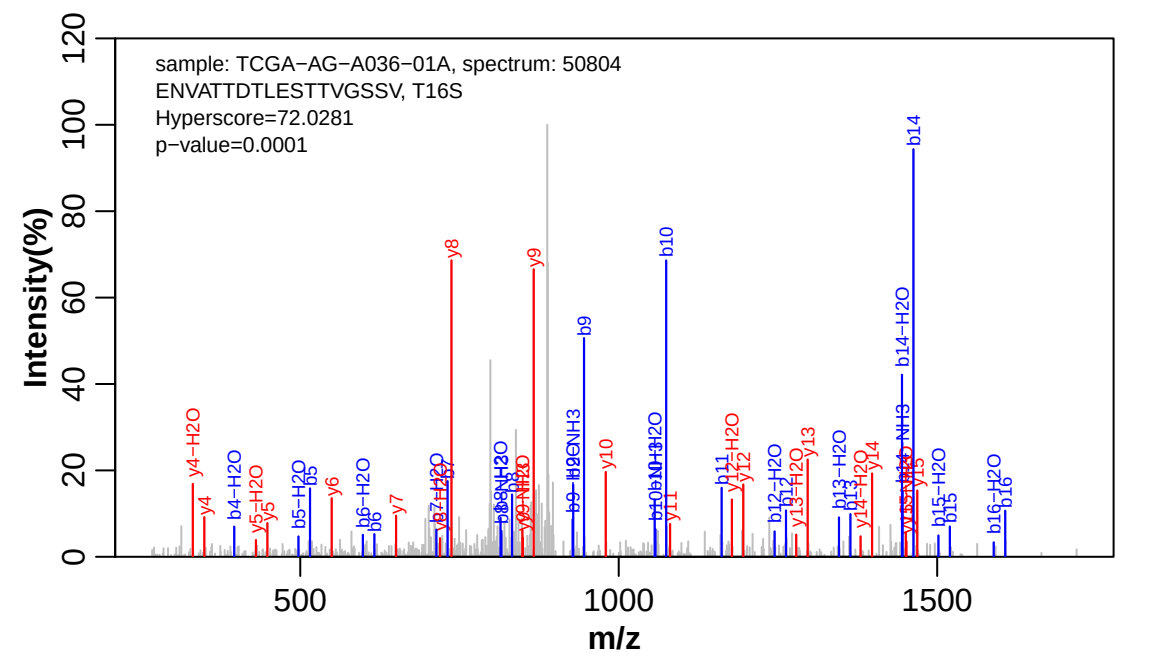

sample: TCGA−AG−A036−01A, spectrum: 6701
DFYVVEPLAFEGTPEQK, I4V
Hyperscore=26.4827
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b3
y4
b4
y5
b5
y6−H2O
y6
b6−H2O
b6
y7
y8−NH3
y8
b8
y9
b9
y11
b12
y12
b13
y14

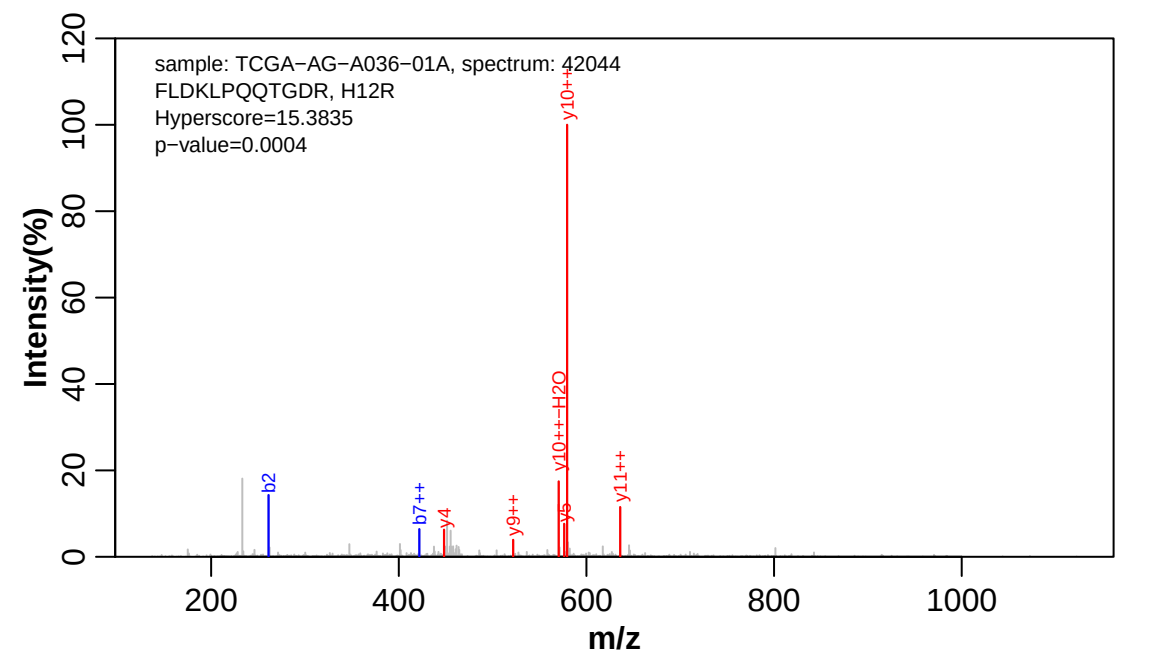

sample: TCGA−AG−A036−01A, spectrum: 93894
DGYGFLNR, N1D
Hyperscore=26.8305
p−value=0.0006
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1
y2
b3
b4−H2O
y3−NH3
b4
y3
b5−NH3
y4−H2O
b5−H2O
b5
y4
y5
b6−H2O
b6
b7
y6

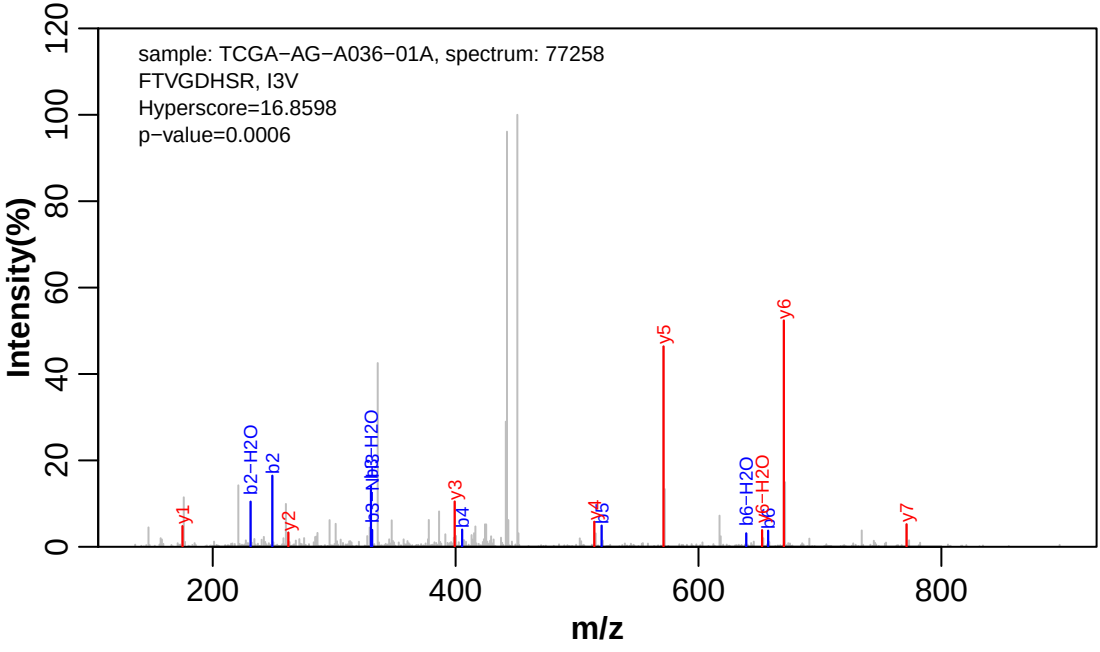

sample: TCGA−AG−A036−01A, spectrum: 37929
DLLQDPSLLGGTLSAYK, V3L
Hyperscore=59.5376
p−value=0.0001
Intensity(%)
m/z
y12
y8
y13
y9
b9
b11−NH3
y12−H2O
b10
y10
b14
b16
y2
b3
y3
b4
y4
b5−NH3
b5
b6
y7
b7−NH3
y6
y6−NH3
b8
b9−H2O
b9−NH3
b9−H2O−NH3
b11
b13
b13−H2O
b13−H2O−NH3
y14
b15−NH3
b15

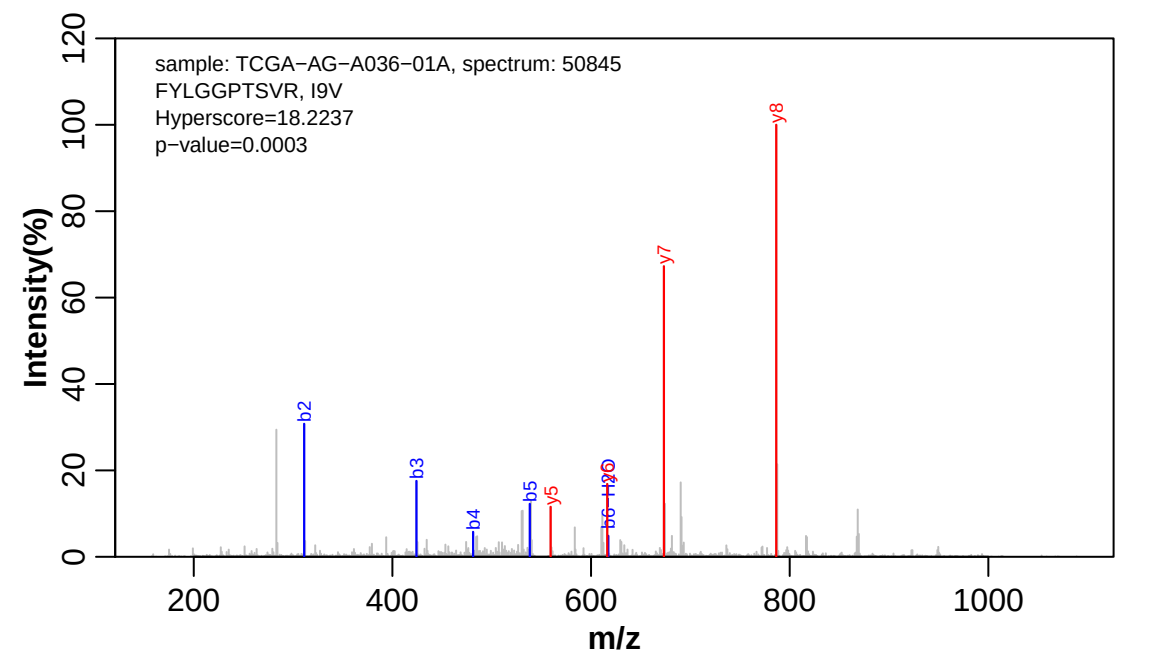

sample: TCGA−AG−A036−01A, spectrum: 26572
DTEEEDFHVDQATTVK, V12A
Hyperscore=68.2640
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y7
y9
y8
y10
y6
y11
b8
b9
b10
b3−H2O
y3
y4−H2O
b4
y5
b5−H2O
b5
y6−H2O−NH3
b6−H2O
b6
y7−H2O
b7−NH3−H2O
b7
y10−H2O
y11−NH3
b11
y12
b12
b12−H2O
y14
b15
b15−H2O−NH3

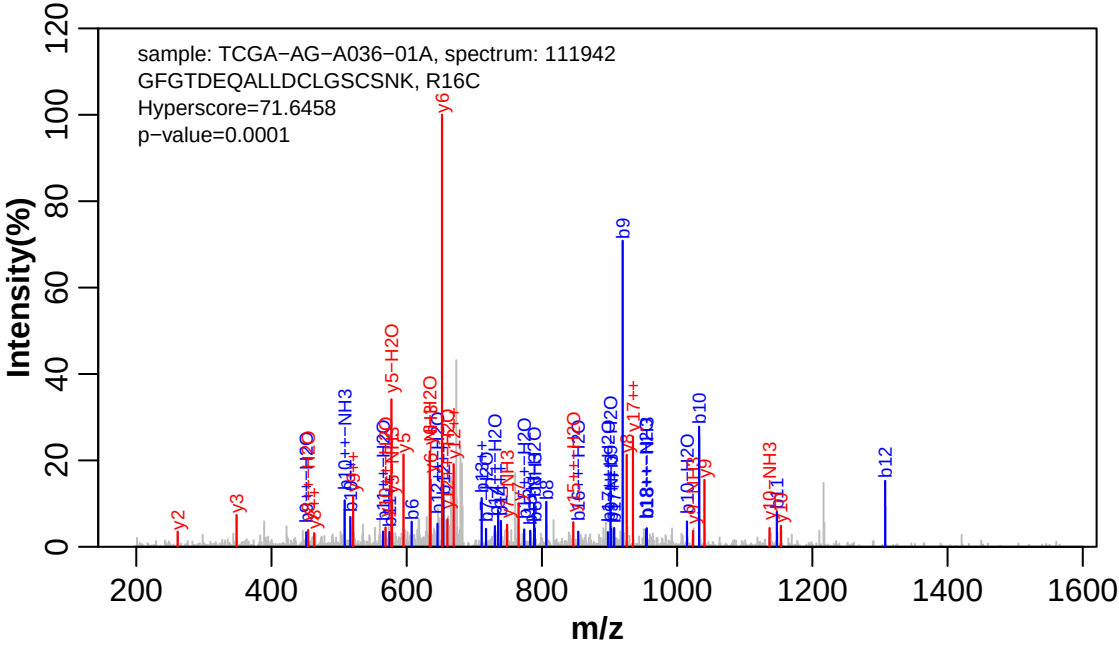

sample: TCGA−AG−A036−01A, spectrum: 30393
EALDVLDAVLK, G7D
Hyperscore=24.2613
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3−H2O
y3
b4−H2O
b4
b5−H2O
b5−NH3
b5
y5
y6
b6−H2O
b6
b7−H2O
y7
b8−H2O
y8
b9−H2O
b9−NH3
b9
y9
b10−H2O
b10

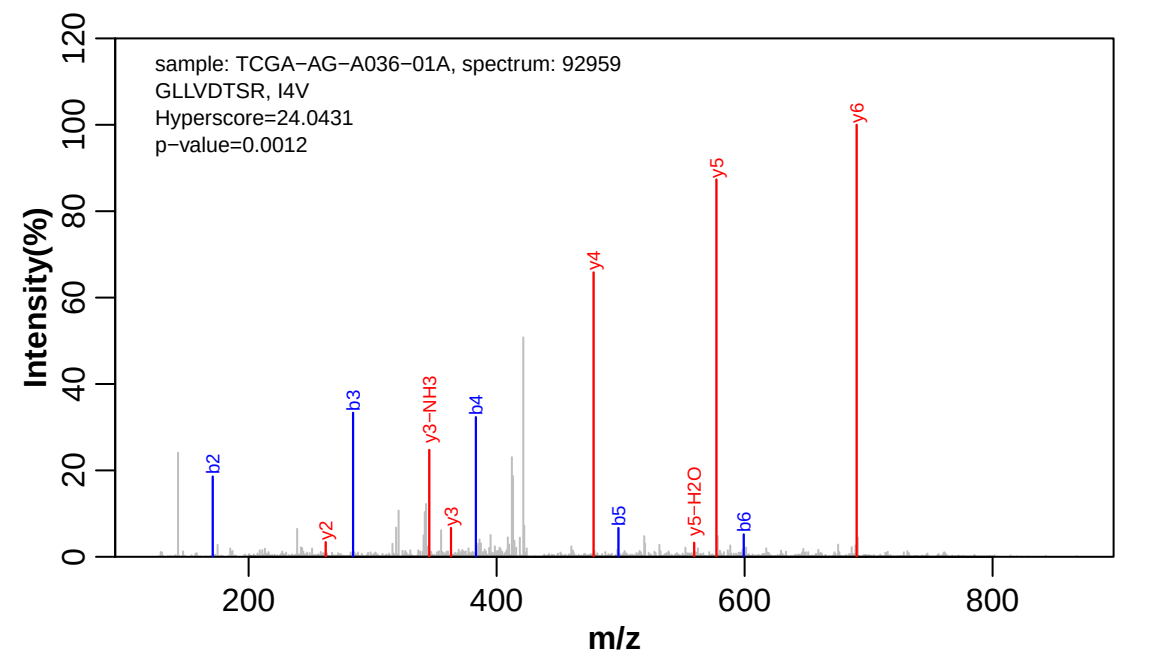

sample: TCGA−AG−A036−01A, spectrum: 50804
ENVATTDTLESTTVGSSV, T16S
Hyperscore=72.0281
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4−H2O
y4
b4−H2O
y5−H2O
y5
b5−H2O
b5
y6
b6−H2O
b6
y7
y8
y9
b9
y10
b10
y11
b11
y12−H2O
y12
y13
b12−H2O
y13−H2O
b13−H2O
b13
y14
b14
b14−H2O
y15
b15−H2O
b15
b16−H2O
b16

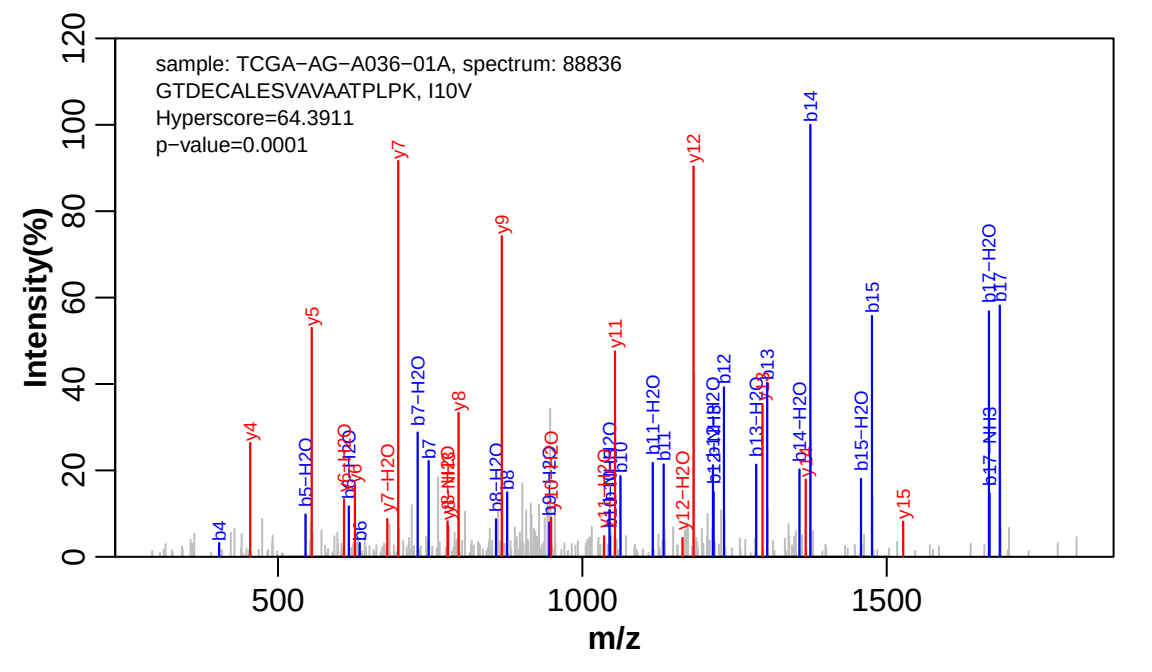

sample: TCGA−AG−A036−01A, spectrum: 42044
FLDKLPQQTGDR, H12R
Hyperscore=15.3835
p−value=0.0004
Intensity(%)
0
20
40
60
80
100
120
m/z
200
400
600
800
1000
b2
b7++
y4
y9++
y10++−H2O
y5
y10++
y11++

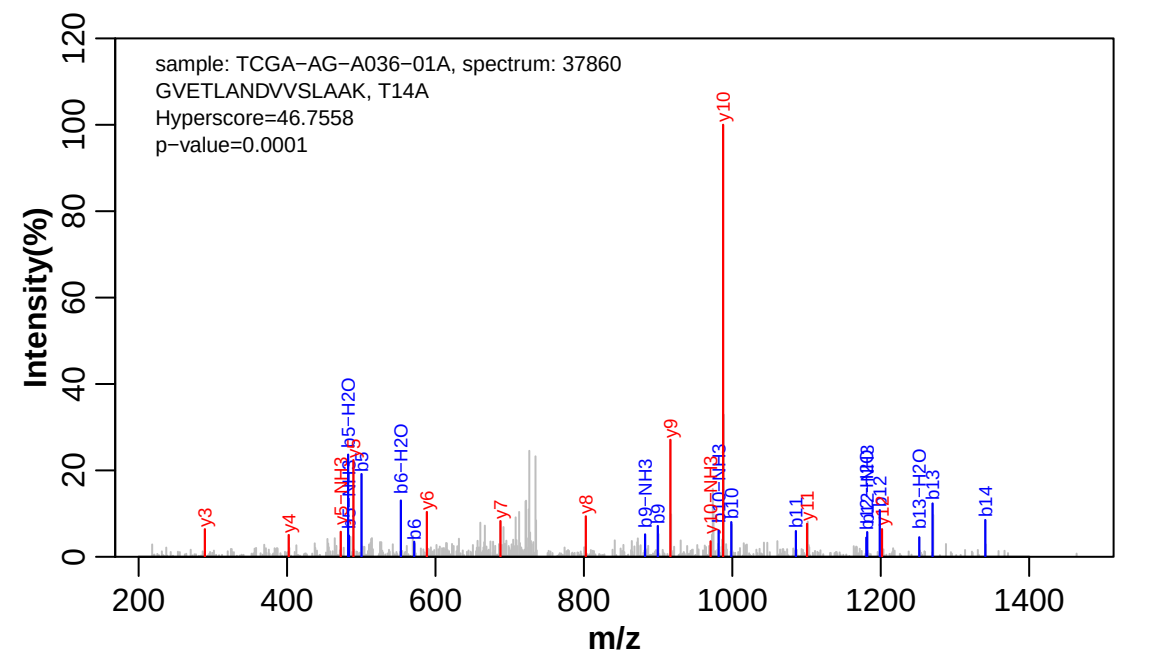

sample: TCGA−AG−A036−01A, spectrum: 77258
FTVGDHSR, I3V
Hyperscore=16.8598
p−value=0.0006
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
y1
b2−H2O
b2
y2
b3−NH3
b3−H2O
y3
b4
y4
b5
y5
b6−H2O
b6
y6
y7

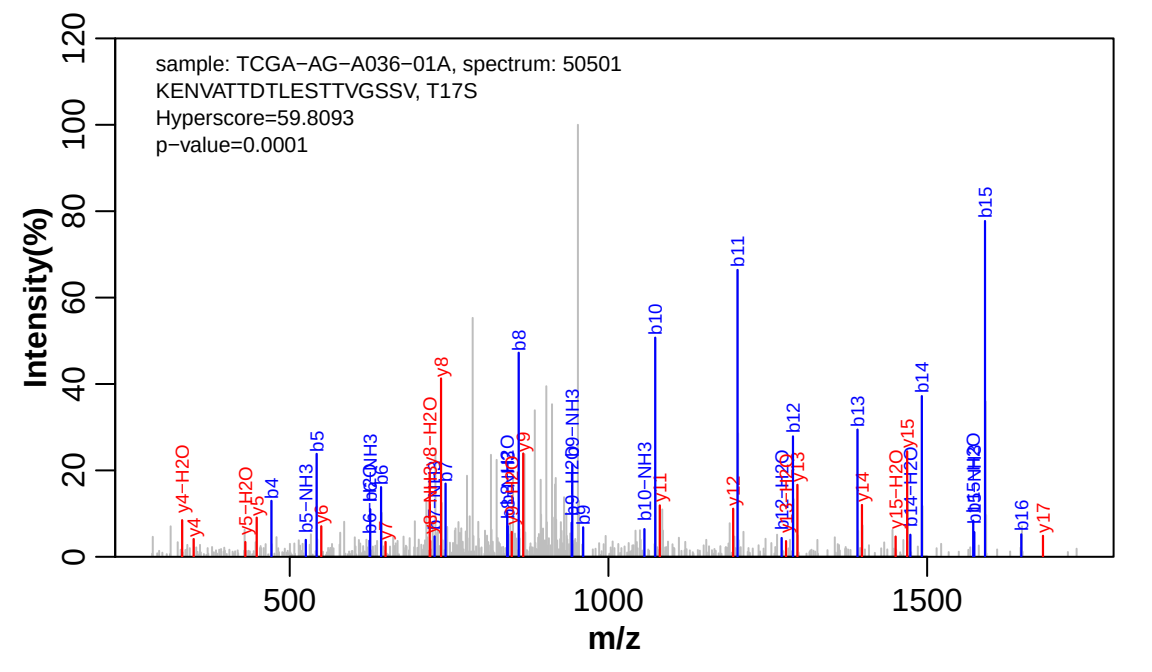

sample: TCGA−AG−A036−01A, spectrum: 50845
FYLGGPTSVR, I9V
Hyperscore=18.2237
p−value=0.0003
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
b2
b3
b4
b5
y5
b6−H2O
y6
y7
y8

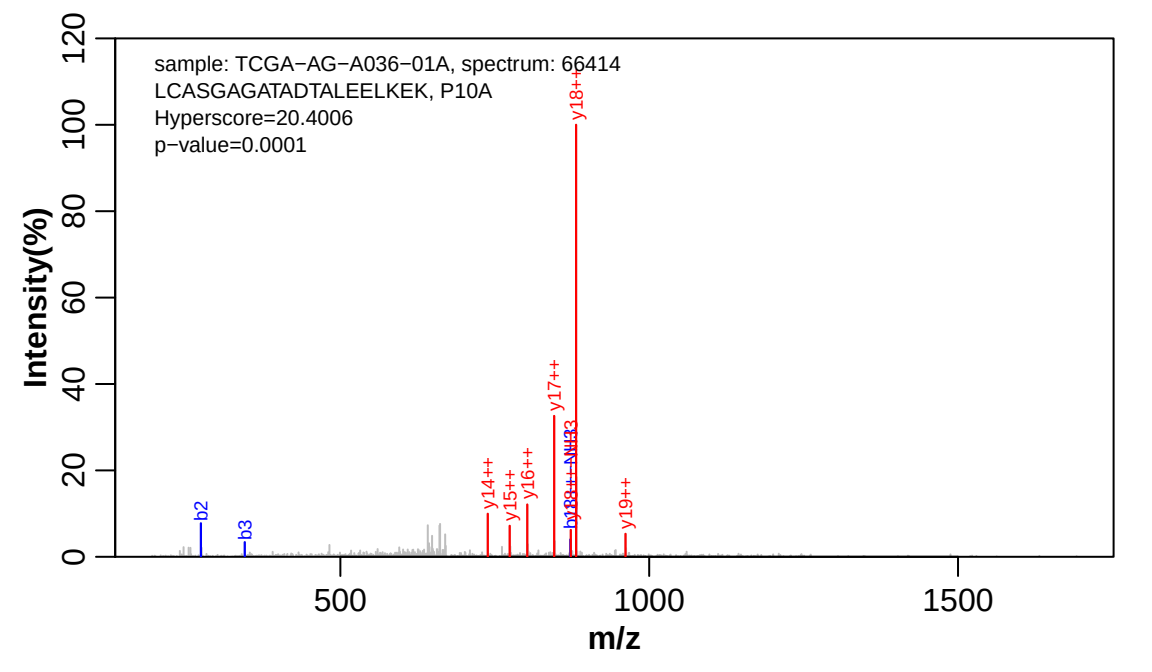

sample: TCGA−AG−A036−01A, spectrum: 111942
GFGTDEQALLDCLGSCSNK, R16C
Hyperscore=71.6458
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
b9
y5−H2O
y5
y3
y2
b6
b10
b12
y9
b8

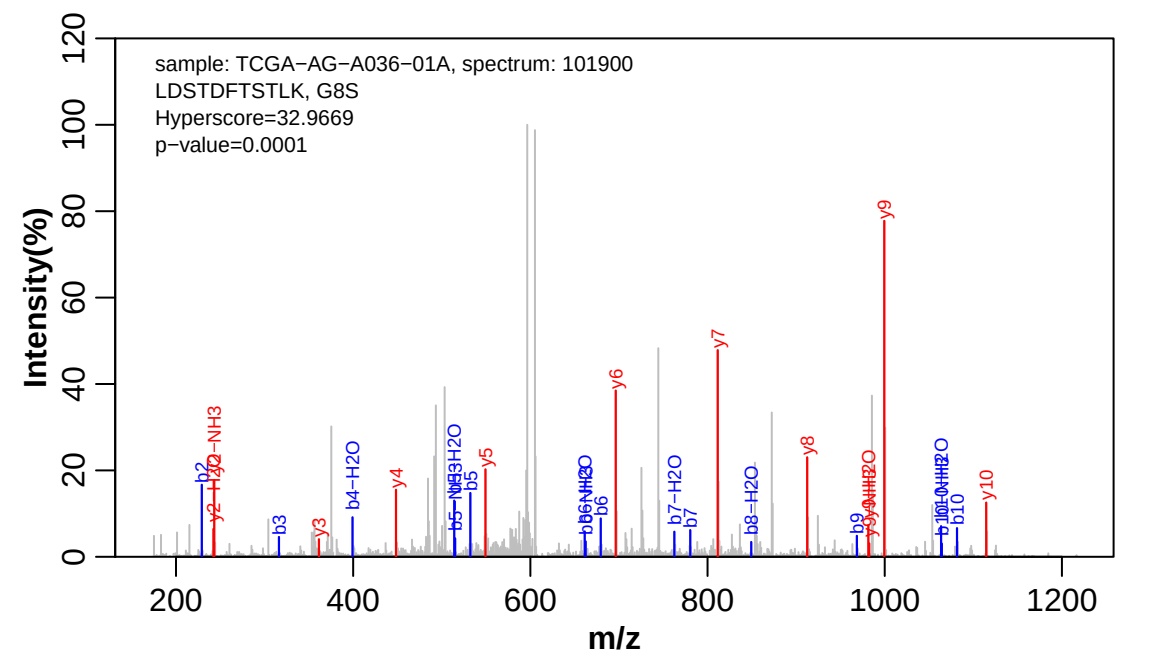

sample: TCGA−AG−A036−01A, spectrum: 92959
GLLVDTSR, I4V
Hyperscore=24.0431
p−value=0.0012
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2
b3
y3−NH3
y3
b4
y4
b5
y5−H2O
y5
b6
y6

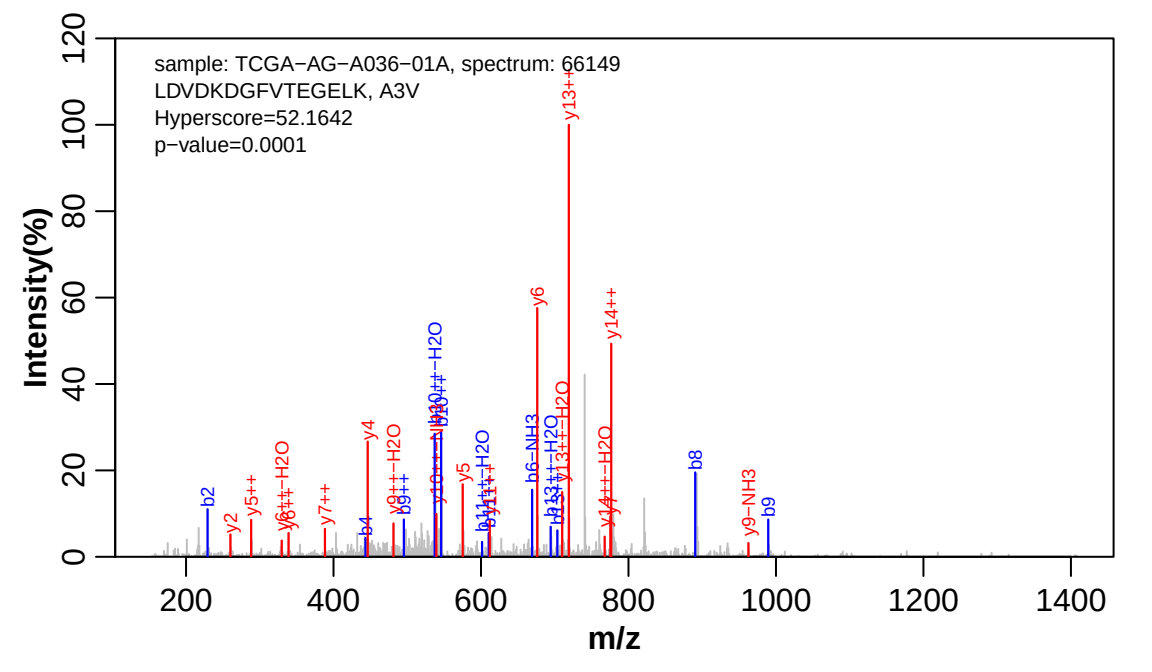

sample: TCGA−AG−A036−01A, spectrum: 88836
GTDECALESVAVAATPLPK, I10V
Hyperscore=64.3911
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y4
b5−H2O
y5
b6−H2O
b6
y6
y7−H2O
y7
b7−H2O
b7
y8
b8−H2O
b8
y9
b9−H2O
y10−H2O
y11
b10
b11−H2O
b11
y12−H2O
y12
b12
b13−H2O
b13
b14
y14−H2O
b15−H2O
b15
y15
b17−H2O
b17

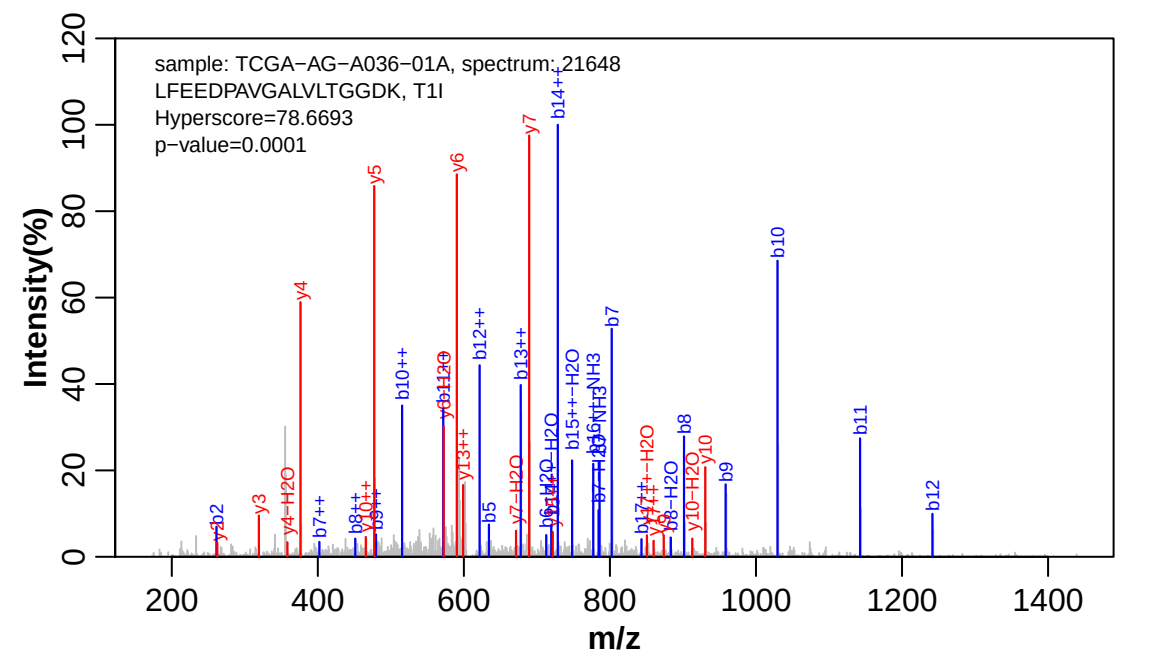

sample: TCGA−AG−A036−01A, spectrum: 37860
GVETLANDVVSLAAK, T14A
Hyperscore=46.7558
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y3
y4
y5−NH3
y5
b5−NH3
b5
b5−H2O
b6−H2O
b6
y6
y7
y8
b8−NH3
b9
y9
y10−NH3
y10
b10
b11
y11
b12−NH3
b12
y12
b13−H2O
b13
b14

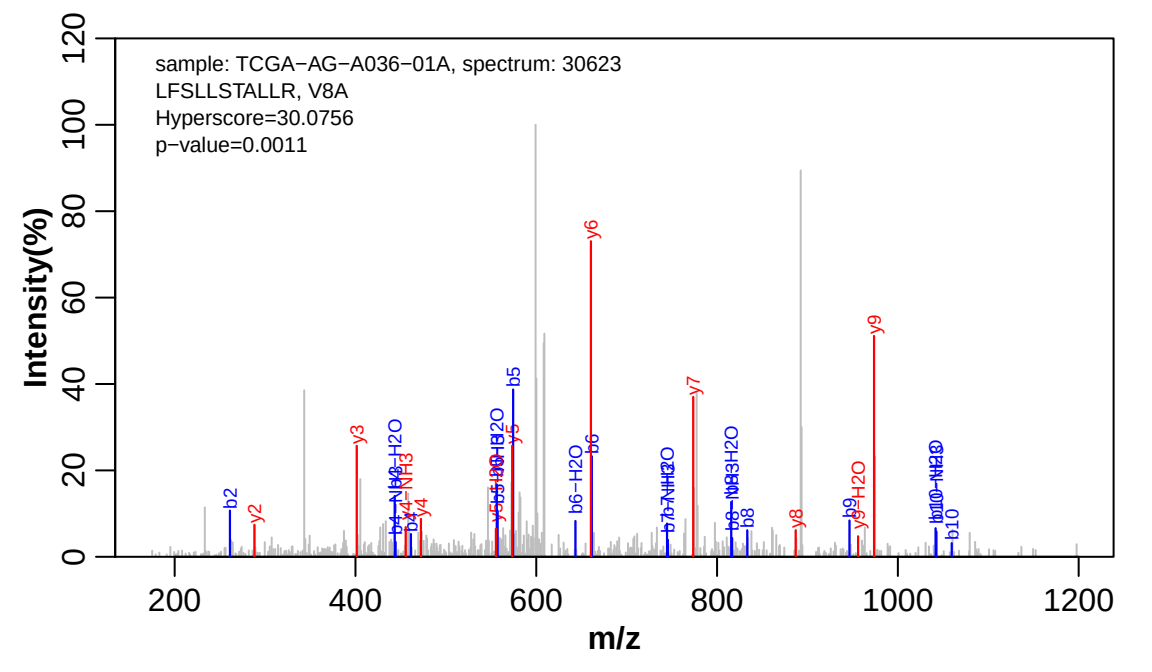

sample: TCGA−AG−A036−01A, spectrum: 50501
KENVATTDTLESTTVGSSV, T17S
Hyperscore=59.8093
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4−H2O
y4
y5−H2O
y5
b4
b5−NH3
b5
y6
b6−NH3
b6
y7
y8−NH3
y8−H2O
y8
b8
y9
b9−H2O−NH3
b9
b10−NH3
b10
y11
y12
b11
b12−H2O
b12
y13
b13
y14
y15−H2O
y15
b14−H2O
b14
b15−NH3
b15
b16
y17

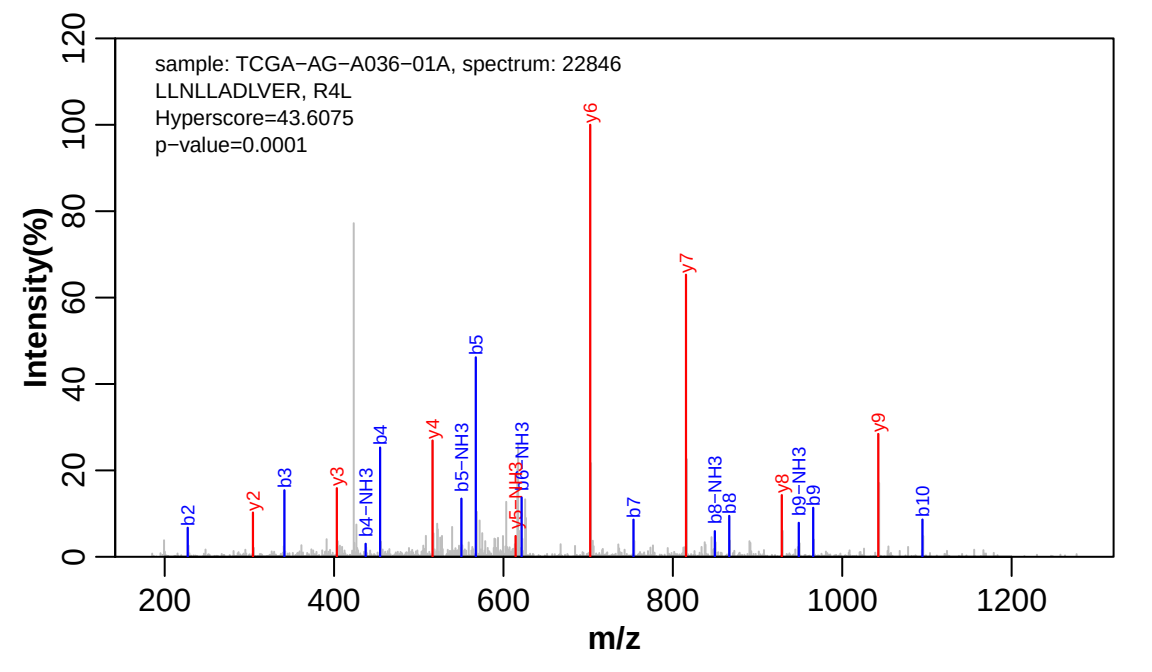

sample: TCGA−AG−A036−01A, spectrum: 66414
LCASGAGATADTALEELKEK, P10A
Hyperscore=20.4006
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b2
b3
y14++
y15++
y16++
y17++
y18++
y19++

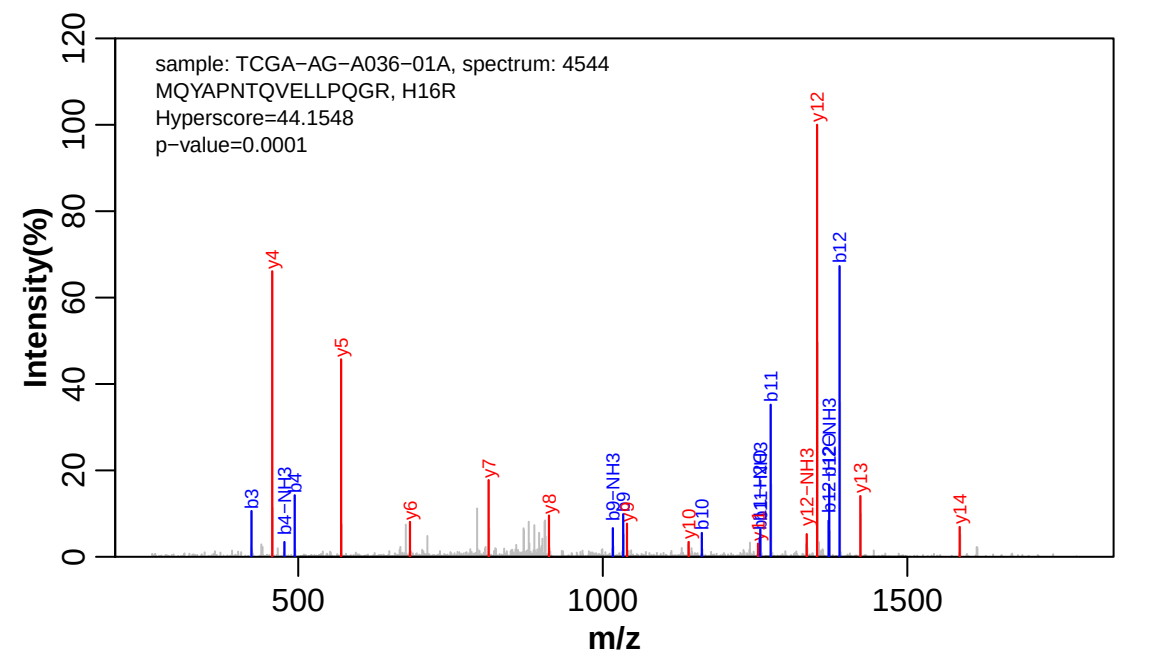

sample: TCGA−AG−A036−01A, spectrum: 101900
LDSTDFTSTLK, G8S
Hyperscore=32.9669
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2−H2O−NH3
b3
y3
b4−H2O
y4
b5−NH3
b5−H2O
b5
y5
b6−NH3
b6−H2O
b6
y6
b7−H2O
b7
y7
b8−H2O
y8
b9
y9−NH3
y9−H2O
y9
b10−NH3
b10−H2O
b10
y10

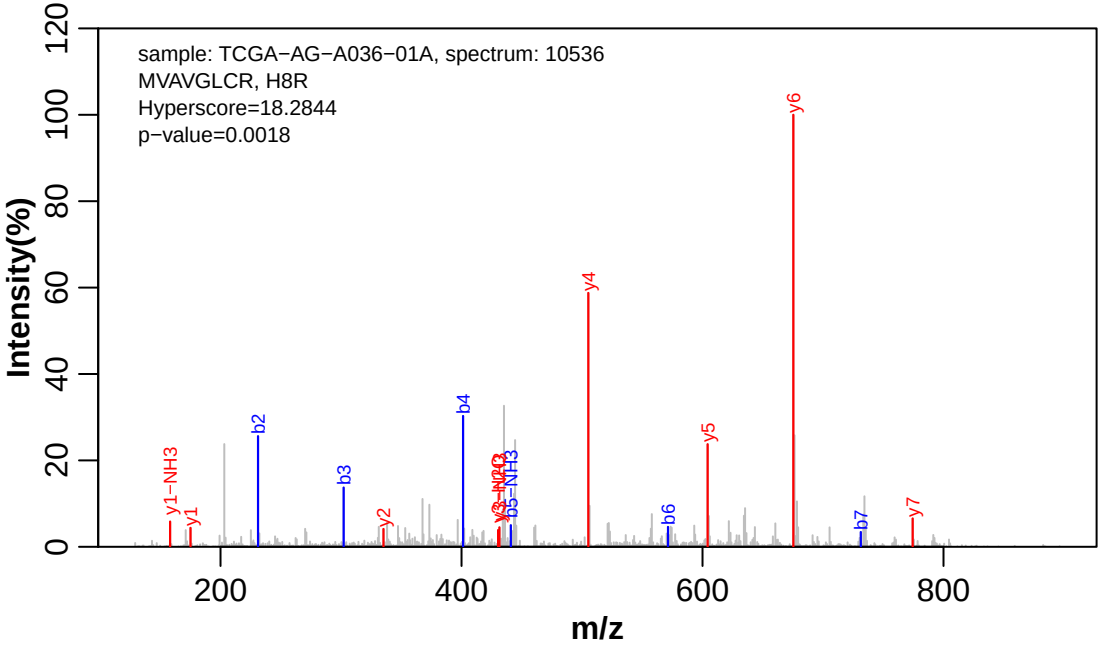

sample: TCGA−AG−A036−01A, spectrum: 66149
LDVDKDGFVTEGELK, A3V
Hyperscore=52.1642
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
b2
y2
y5++
y6++−H2O
y7++
b4
y4
y8++−H2O
b9++
y10++−H2O
y5
b11++−H2O
b6−NH3
y6
y13++
y13++−H2O
y14++
y14++−H2O
b8
y9−NH3
b9

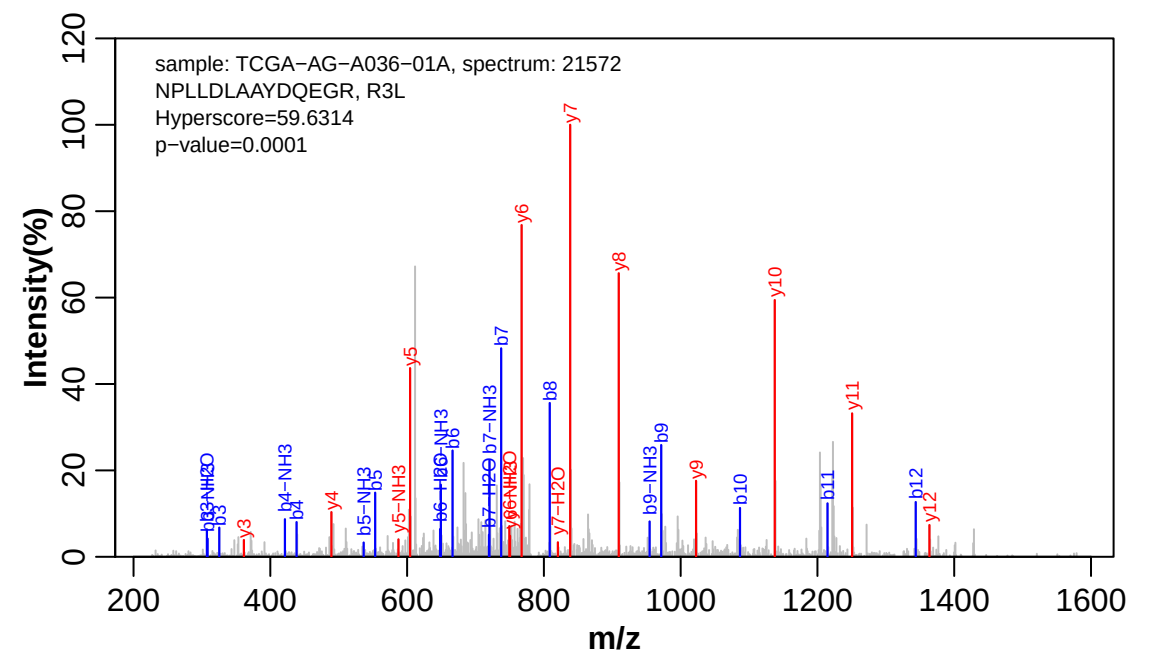

sample: TCGA−AG−A036−01A, spectrum: 21648
LFEEDPAVGALVLTGGDK, T1I
Hyperscore=78.6693
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y4
y5
y6
y7
b14++
b10++
b12++
b13++
b10
b11
b12
b7
b8
y10
b9
y3
y4−H2O
b7++
b5
y7−H2O
y13++
y10−H2O
b8−H2O
b15++−H2O
b15++−NH3
y6−H2O
y6−NH3
y3−H2O
y3−NH3
y5−H2O
y5−NH3
y4−NH3
b8++
b9++
y10++
y2
b2

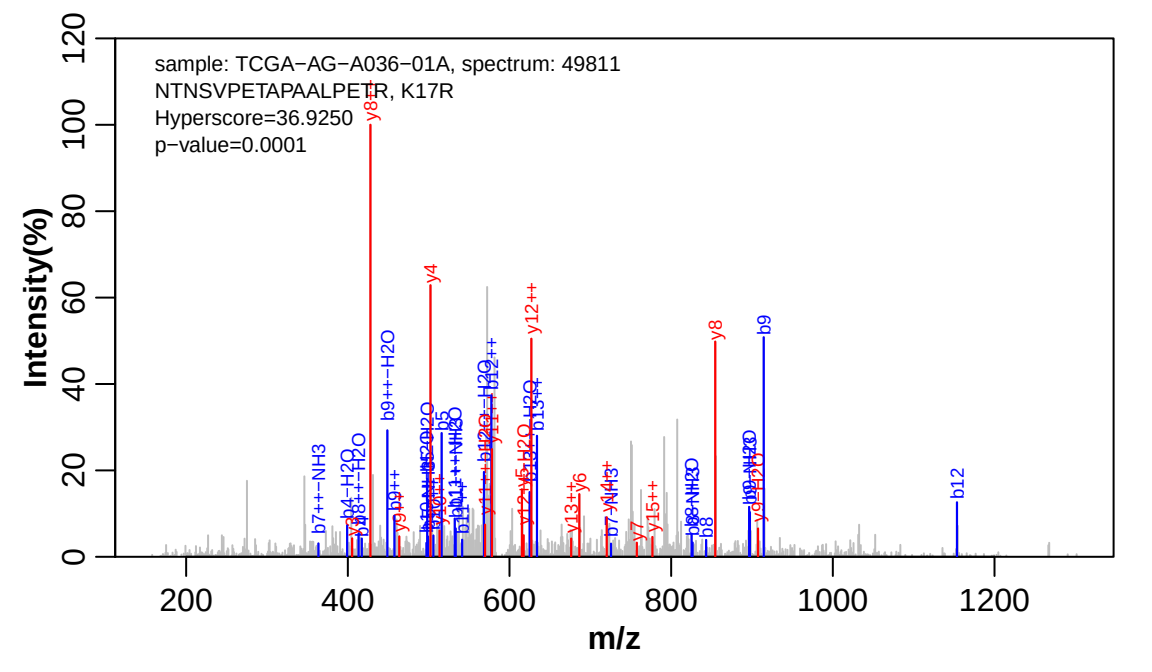

sample: TCGA−AG−A036−01A, spectrum: 30623
LFSLLSTALLR, V8A
Hyperscore=30.0756
p−value=0.0011
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
y3
b4−NH3
b4−H2O
b4
y4
b5
y5
y5−H2O
b6
b6−H2O
y6
b7−NH3
b7
y7
b8−NH3
b8−H2O
b8
y8
b9
y9−H2O
y9
b10−NH3
b10−H2O
b10

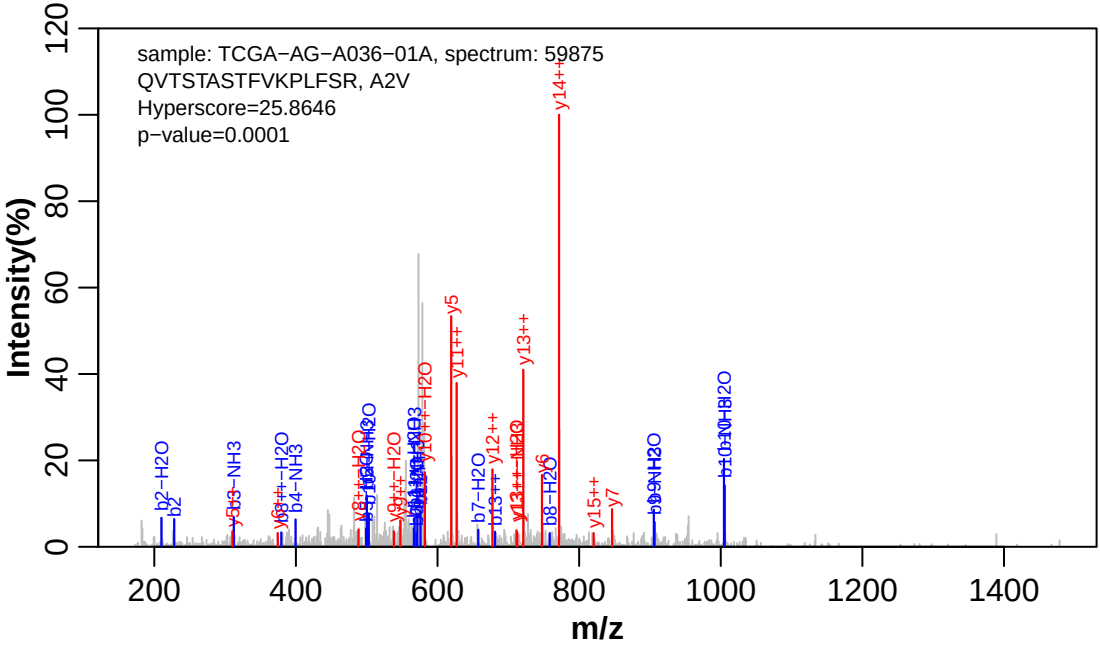

sample: TCGA−AG−A036−01A, spectrum: 22846
LLNLLADLVER, R4L
Hyperscore=43.6075
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
b2
y2
b3
y3
b4−NH3
b4
y4
b5−NH3
b5
y5−NH3
b6−NH3
y6
b7
y7
b8−NH3
b8
y8
b9−NH3
b9
y9
b10

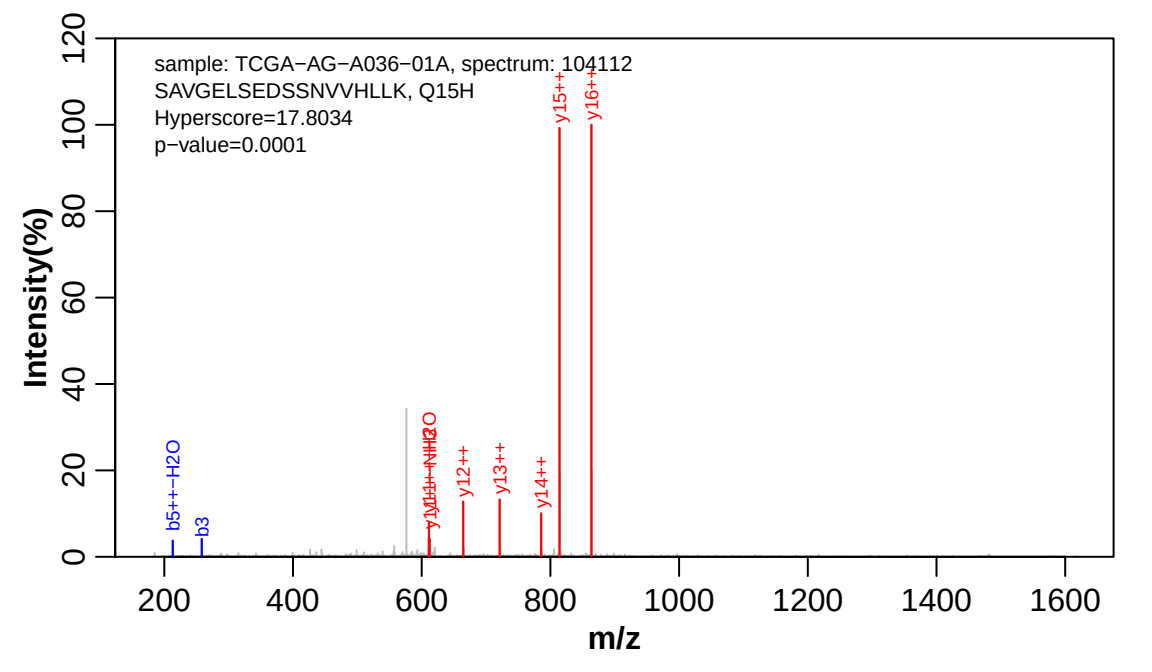

sample: TCGA−AG−A036−01A, spectrum: 4544
MQYAPNTQVELLPQGR, H16R
Hyperscore=44.1548
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
y4
y5
y6
y7
y8
y9
y10
y12
y13
y14
b3
b4
b4−NH3
b9−NH3
b10
b11
b12
y12−NH3
b12−NH3

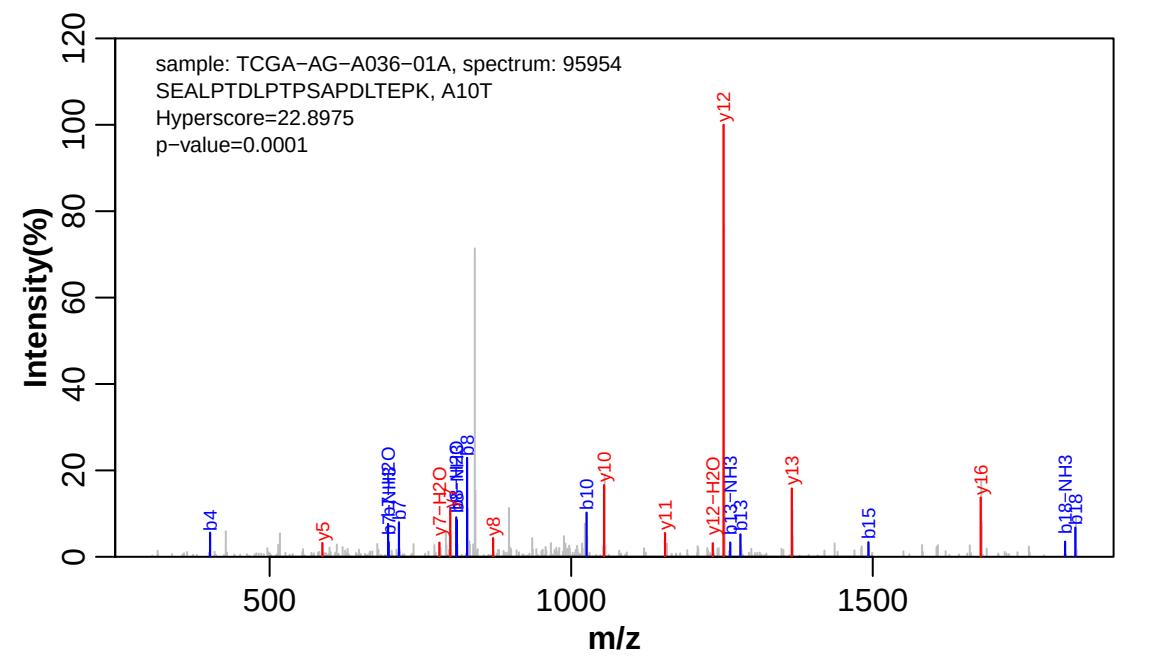

sample: TCGA−AG−A036−01A, spectrum: 10536
MVAVGLCR, H8R
Hyperscore=18.2844
p−value=0.0018
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y1−NH3
y1
b2
b3
y2
b4
y3−NH3
y3
b5−NH3
y4
b6
y5
y6
b7
y7

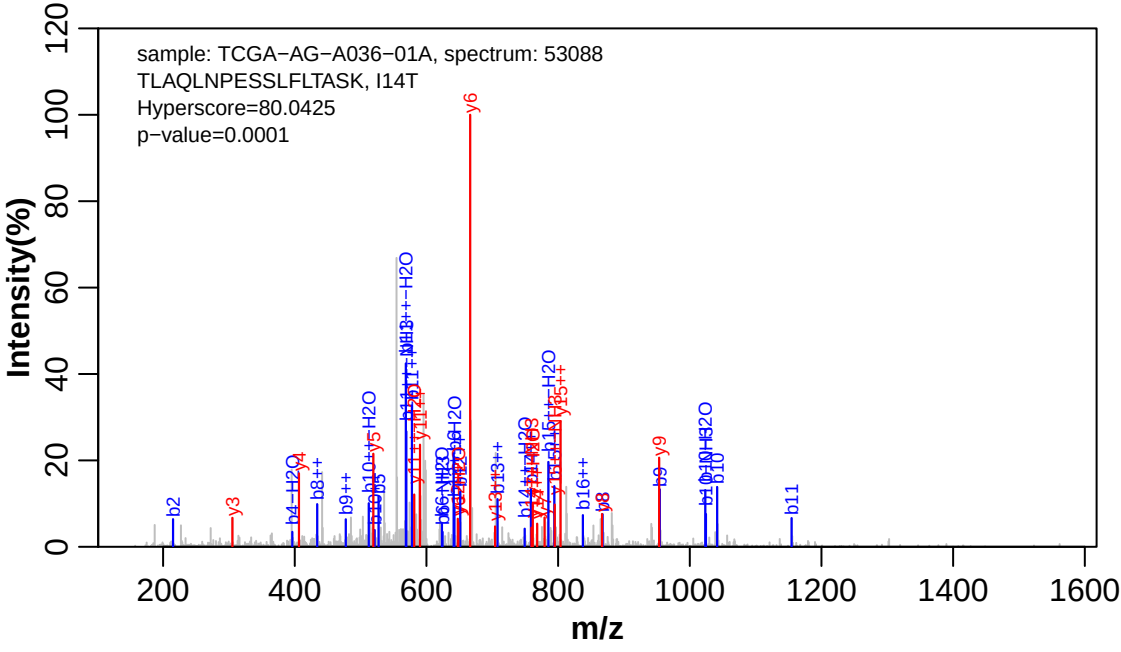

sample: TCGA−AG−A036−01A, spectrum: 21572
NPLLDLAAYDQEGR, R3L
Hyperscore=59.6314
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y7
y6
y8
y10
y11
y5
b7
b8
b9
b12
y12
y4
b6
b4−NH3
b5−NH3
y5−NH3
b7−NH3
y7−H2O
b9−NH3
b10
b11
y9
b5
b4
y3
b3

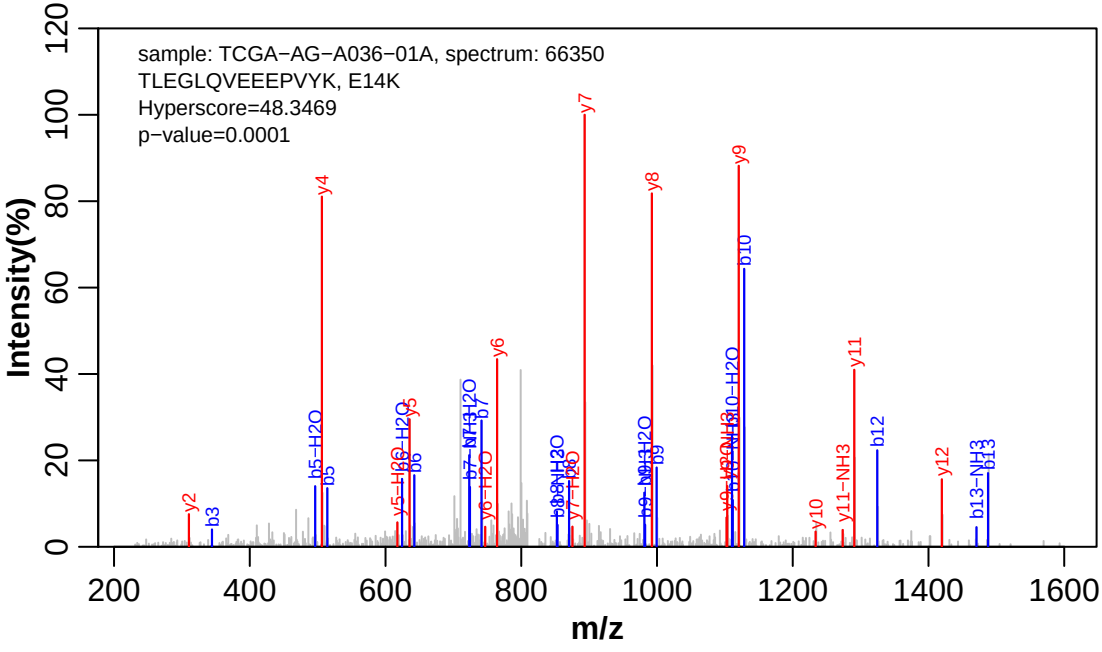

sample: TCGA−AG−A036−01A, spectrum: 49811
NTNSVPETAPAALPETR, K17R
Hyperscore=36.9250
p−value=0.0001
Intensity(%)
m/z
y8++
y4
y12++
y8
b9
b12
b9++−H2O
b7++−NH3
y9++
y13++
y6
y7
y15++
0
20
40
60
80
100
120
200
400
600
800
1000
1200

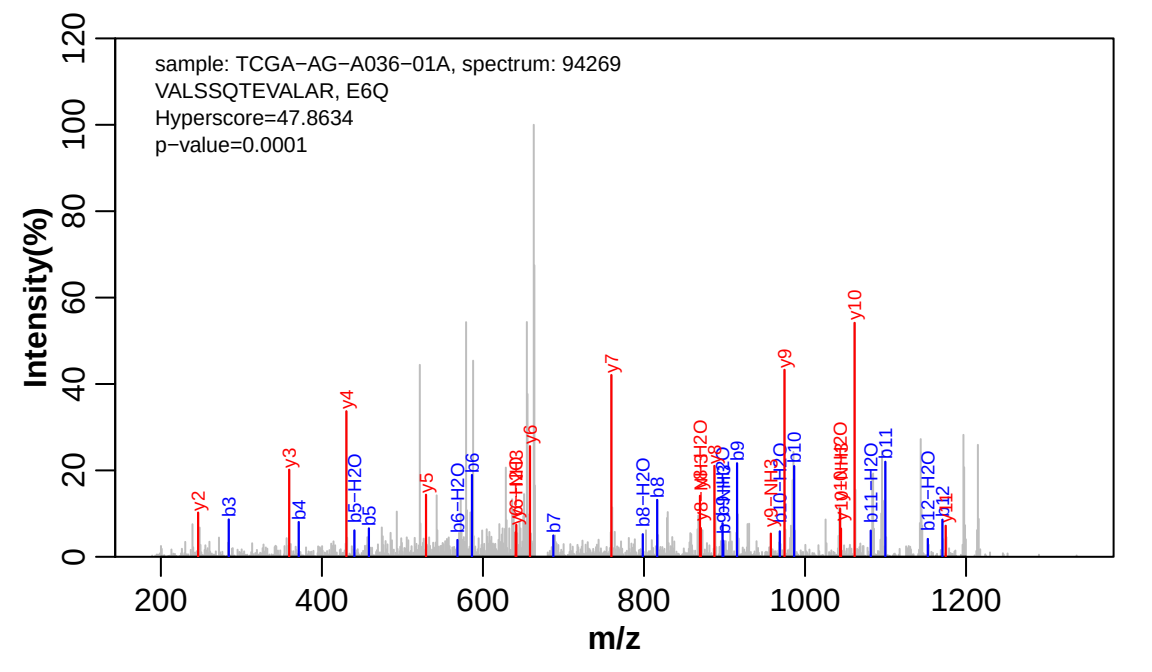

sample: TCGA−AG−A036−01A, spectrum: 59875
QVTSTASTFVKPLFSR, A2V
Hyperscore=25.8646
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
y14++
y5
y11++
y13++
y12++
b7−H2O
b8−H2O
y15++
y7
b2−H2O
b2
y3−NH3
b4−NH3
y6
b9−NH3
b10−H2O

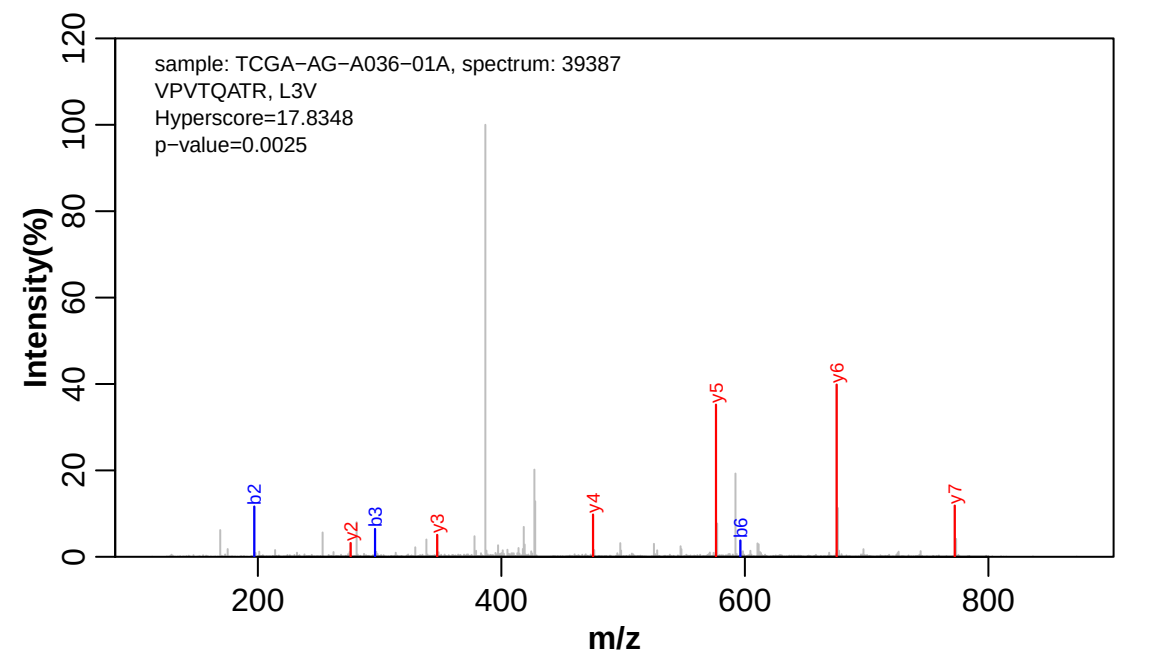

sample: TCGA−AG−A036−01A, spectrum: 104112
SAVGELSEDSSNVVHLLK, Q15H
Hyperscore=17.8034
p−value=0.0001
y15++
y16++
b5++−H2O
b3
y12++
y13++
y14++
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600

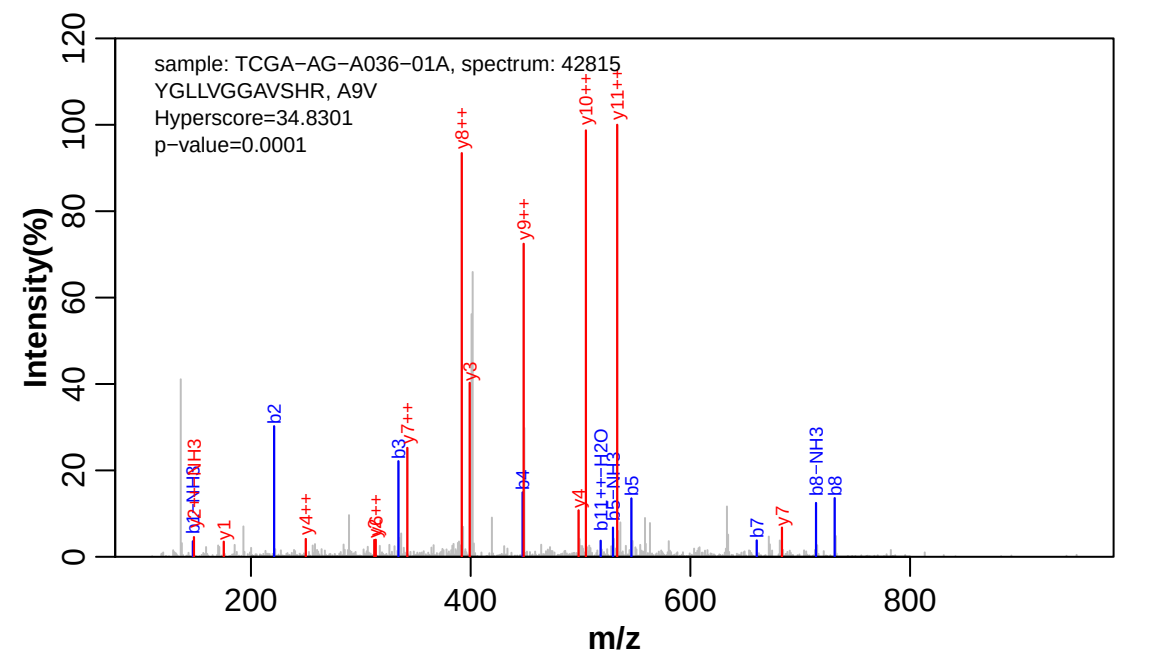

sample: TCGA−AG−A036−01A, spectrum: 95954
SEALPTDLPTPSAPDLTEPK, A10T
Hyperscore=22.8975
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
500
1000
1500
b4
y5
y7−H2O
y8
b10
y10
y11
y12
y12−H2O
b13−NH3
y13
b15
y16
b18−NH3
b18


sample: TCGA−AG−A036−01A, spectrum: 53088
TLAQLNPESSLFLTASK, I14T
Hyperscore=80.0425
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y6
b2
y3
b4−H2O
y4
b8++
b9++
b10−y5−H2O
y5++
b11++−H2O
y11++
y13++
b16++
b8
b9
y9
b10−H2O
b10
b11


sample: TCGA−AG−A036−01A, spectrum: 66350
TLEGLQVEEEPVYK, E14K
Hyperscore=48.3469
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
1400
1600
y2
b3
y4
b5−H2O
b5
y5−H2O
y5
b6
b7−NH3
b7−H2O
b7
y6
y6−H2O
b8−NH3
b8−H2O
b8
y7−H2O
y7
y7
b9−NH3
b9−H2O
b9
y8
y8−NH3
y8−H2O
y8
y9
b10
b10−NH3
b10−H2O
y10
y11−NH3
y11
b12
y12
b13−NH3
b13


sample: TCGA−AG−A036−01A, spectrum: 94269
VALSSQTEVALAR, E6Q
Hyperscore=47.8634
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
1000
1200
y2
b3
y3
b4
y4
b5−H2O
b5
y5
b6−H2O
b6
y6
b7
y7
b8−H2O
b8
b9
y9
b10
y10
b11−H2O
b11
b12−H2O
y12


sample: TCGA−AG−A036−01A, spectrum: 39387
VPVTQATR, L3V
Hyperscore=17.8348
p−value=0.0025
Intensity(%)
0
20
40
60
80
100
120
200
400
600
800
m/z
b2
y2
b3
y3
y4
y5
b6
y6
y7


sample: TCGA−AG−A036−01A, spectrum: 42815
YGLLVGGAVSHR, A9V
Hyperscore=34.8301
p−value=0.0001
Intensity(%)
m/z
0
20
40
60
80
100
120
200
400
600
800
y8++
y10++
y11++
y9++
y3
b2
b3
y7++
b4
y4++
y5++
y6++
y1
b2−NH3
b2−NH3
y4
b11++−H2O
b5−NH3
b5
b7
y7
b8−NH3
b8