

Supplemental_Table_S5

genes	cancer	genecclass	score_SNA	score_CNA	score_exp	Total_score	finalrank
DOT1L	ACC	HM_w	380	418	389	1187	1
KMT2D	ACC	HM_w	413	369	397	1179	2
EHMT1	ACC	HM_w	404	404	354	1162	3
ZMYND8	ACC	HA_r	362	409	383	1154	4
BRD4	ACC	HA_r	353	422	371	1146	5
BAZ2A	ACC	HA_r	356	408	381	1145	6
PRDM12	ACC	HM_w	411	358	376	1145	7
SMARCA4	ACC	Helicases	393	413	336	1142	8
NSD1	ACC	HM_w	372	416	350	1138	9
CHAF1A	ACC	ChRC	385	322	418	1125	10
FBXW9	ACC	Others	345	402	378	1125	11
CBX5	ACC	HM_r	292	407	424	1123	12
SIN3B	ACC	ChRC	316	386	405	1107	13
DIDO1	ACC	Others	420	315	367	1102	14
HDAC7	ACC	HA_e	339	399	353	1091	15
NAP1L1	ACC	Others	331	394	364	1089	16
ATAD2	ACC	HA_r	304	380	403	1087	17
ARID4B	ACC	ChRC	408	340	330	1078	18
HDAC9	ACC	HA_e	377	398	303	1078	19
CHD6	ACC	Helicases	287	406	379	1072	20
BOP 1	ACC	Others	354	331	380	1065	21
CTCF	ACC	Others	284	405	368	1057	22
BRD7	ACC	HA_r	297	329	423	1049	23
GATAD2B	ACC	HM_r	343	400	306	1049	24
AURKB	ACC	Others	303	334	399	1036	25
NCOR2	ACC	Others	423	268	339	1030	26
TDRD9	ACC	Others	364	349	315	1028	27
DNMT1	ACC	DM_w	282	419	326	1027	28
BRWD1	ACC	HA_r	294	327	402	1023	29
ASH1L	ACC	HM_w	359	425	227	1011	30
L3MBTL1	ACC	HM_r	334	395	275	1004	31
ATR	ACC	Others	412	336	255	1003	32

SMARCC2	ACC	Helicases	207	412	384	1003	33
BRD9	ACC	HA_r	179	426	391	996	34
CHD9	ACC	Helicases	286	318	390	994	35
HDGF	ACC	Others	273	397	324	994	36
PRDM4	ACC	HM_w	321	251	420	992	37
PHF2	ACC	Others	327	392	272	991	38
RPH3A	ACC	Others	318	353	318	989	39
SETDB1	ACC	HM_w	216	414	359	989	40
BRD3	ACC	HA_r	298	379	309	986	41
JMJD8	ACC	HM_e	264	372	343	979	42
ARID2	ACC	ChRC	306	341	331	978	43
DMAP1	ACC	Others	382	314	282	978	44
CHD8	ACC	Helicases	349	319	307	975	45
UBE2I	ACC	Others	195	381	393	969	46
CBX4	ACC	HM_r	407	377	176	960	47
KDM4B	ACC	HM_e	375	287	298	960	48
GATAD2A	ACC	HM_r	149	401	408	958	49
CHD2	ACC	Helicases	384	321	252	957	50
HR	ACC	HM_e	269	297	387	953	51
FMR1	ACC	Others	278	307	366	951	52
BRWD3	ACC	HA_r	293	326	329	948	53
HDAC6	ACC	HA_e	340	300	304	944	54
BRD1	ACC	HA_r	299	330	310	939	55
PRDM9	ACC	HM_w	370	250	319	939	56
HLTF	ACC	Others	338	299	301	938	57
PHF20L1	ACC	HM_r	326	262	348	936	58
ATRX	ACC	Helicases	415	335	182	932	59
TDRD6	ACC	Others	365	221	346	932	60
CHD5	ACC	Helicases	383	420	127	930	61
GTF3C4	ACC	HA_w	277	373	278	928	62
CARM1	ACC	HM_w	178	421	328	927	63
TDRD7	ACC	Others	198	383	345	926	64
ING2	ACC	HM_r	131	396	398	925	65
SIRT4	ACC	HA_e	211	352	347	910	66
PRKAA1	ACC	Others	73	423	411	907	67

BAZ1B	ACC	HA_r	181	333	392	906	68
BRPF3	ACC	HA_r	351	378	177	906	69
SND1	ACC	HM_r	314	230	357	901	70
KMT2A	ACC	HM_w	401	282	211	894	71
KDM5B	ACC	HM_e	257	285	351	893	72
PHF19	ACC	HM_r	237	362	292	891	73
AKAP1	ACC	Others	360	342	187	889	74
ING1	ACC	HM_r	425	296	167	888	75
PRMT2	ACC	HM_w	226	248	414	888	76
SMARCA2	ACC	Helicases	394	351	140	885	77
EHMT2	ACC	HM_w	403	310	171	884	78
INO80	ACC	Helicases	376	294	214	884	79
EP400	ACC	HA_w	422	403	57	882	80
ASXL2	ACC	Others	358	338	185	881	81
MLLT10	ACC	HM_w	332	275	274	881	82
PRMT1	ACC	HM_w	71	390	410	871	83
BRDT	ACC	HA_r	352	328	179	859	84
KAT6A	ACC	HA_w	402	69	386	857	85
CHRC1	ACC	ChRC	168	317	369	854	86
PHF3	ACC	Others	325	258	270	853	87
CHD1L	ACC	Helicases	169	375	308	852	88
YY1	ACC	ChRC	191	346	314	851	89
AFF4	ACC	Others	361	69	413	843	90
DNMT3B	ACC	DM_w	281	312	250	843	91
AFF1	ACC	Others	186	343	312	841	92
GLYR1	ACC	HM_r	148	304	388	840	93
KMT2E	ACC	HM_w	255	281	297	833	94
DNMT3A	ACC	DM_w	347	313	172	832	95
ASXL1	ACC	Others	305	339	186	830	96
KDM7A	ACC	HM_e	389	69	372	830	97
POLE3	ACC	ChRC	77	391	362	830	98
CBX1	ACC	HM_r	177	325	327	829	99
PRMT7	ACC	HM_w	67	355	406	828	100
KDM3B	ACC	HM_e	335	69	421	825	101
CREBBP	ACC	HA_w	285	316	223	824	102

HDAC2	ACC	HA_e	276	301	245	822	103
KDM5A	ACC	HM_e	258	286	277	821	104
FBXO17	ACC	Others	426	69	325	820	105
ACTL6A	ACC	ChRC	189	344	286	819	106
NCOA3	ACC	HA_w	248	365	206	819	107
TAF1	ACC	HA_r	391	69	356	816	108
ASXL3	ACC	Others	418	337	60	815	109
BMI1	ACC	ChRC	300	332	181	813	110
STK31	ACC	Others	201	350	261	812	111
KDM6B	ACC	HM_e	417	283	110	810	112
MUM1	ACC	Others	96	417	296	809	113
TAF3	ACC	HA_r	366	69	374	809	114
NCOA1	ACC	HA_w	330	270	207	807	115
MTA1	ACC	ChRC	99	367	340	806	116
JADE2	ACC	Others	308	69	426	803	117
MBD3	ACC	DM_r	108	278	416	802	118
PHRF1	ACC	Others	399	361	42	802	119
SIRT6	ACC	HA_e	210	233	358	801	120
CBX8	ACC	ChRC	291	376	129	796	121
SETD1B	ACC	HM_w	410	238	144	792	122
TRIM28	ACC	HA_r	23	348	419	790	123
BRD8	ACC	HA_r	296	69	422	787	124
PPARGC1A	ACC	Others	323	360	101	784	125
CBX3	ACC	HM_r	175	323	284	782	126
KDM2B	ACC	HM_e	336	69	377	782	127
IWS1	ACC	Others	267	293	213	773	128
PHF20	ACC	HM_r	236	263	271	770	129
SMARCD1	ACC	Helicases	43	411	316	770	130
WDR5	ACC	ChRC	15	347	404	766	131
KDM5C	ACC	HM_e	115	284	365	764	132
KMT2C	ACC	HM_w	419	69	276	764	133
PCGF6	ACC	Others	400	69	295	764	134
TET2	ACC	DM_e	363	69	332	764	135
ARID4A	ACC	ChRC	409	69	285	763	136
PCGF2	ACC	Others	242	364	155	761	137

SETD1A	ACC	HM_w	317	69	375	761	138
PAF1	ACC	Others	92	266	396	754	139
DNMT3L	ACC	DM_w	381	311	58	750	140
DPF1	ACC	ChRC	280	69	401	750	141
SCML2	ACC	HM_r	218	240	290	748	142
PWWP2B	ACC	Others	424	245	73	742	143
TDRKH	ACC	Others	25	382	333	740	144
MEN1	ACC	ChRC	421	276	42	739	145
ATAD2B	ACC	HA_r	357	69	311	737	146
FXR2	ACC	Others	344	306	82	732	147
SFMBT2	ACC	Others	395	69	264	728	148
CHD4	ACC	Helicases	288	69	370	727	149
PRDM1	ACC	HM_w	76	359	291	726	150
DAXX	ACC	ChRC	405	69	251	725	151
PYGO2	ACC	HM_r	64	389	266	719	152
SMARCA5	ACC	Helicases	315	69	335	719	153
PBRM1	ACC	HA_r	328	69	320	717	154
PHF14	ACC	Others	83	393	240	716	155
SRCAP	ACC	Others	313	69	334	716	156
KDM1B	ACC	HM_e	261	289	165	715	157
EZH2	ACC	HM_w	157	309	248	714	158
KANSL1	ACC	HA_w	337	292	81	710	159
PHC3	ACC	ChRC	88	264	349	701	160
SETD2	ACC	HM_w	396	69	236	701	161
CHD3	ACC	Helicases	289	320	86	695	162
PCMT1	ACC	Others	89	265	337	691	163
RNF17	ACC	Others	397	243	47	687	164
HELLS	ACC	Helicases	272	69	344	685	165
RPA3	ACC	Others	59	388	237	684	166
ATF7IP	ACC	Others	387	69	226	682	167
MTF2	ACC	HM_r	250	271	159	680	168
BPTF	ACC	HA_r	386	69	224	679	169
PRMT5	ACC	HM_w	69	247	361	677	170
SETD3	ACC	HM_w	54	237	385	676	171
KAT8	ACC	HA_w	262	69	342	673	172

NCOR1	ACC	ChRC	247	269	157	673	173
RNF217	ACC	Others	221	354	95	670	174
SMARCD3	ACC	Helicases	206	69	394	669	175
ATM	ACC	Others	416	69	183	668	176
HCFC1	ACC	Others	378	69	219	666	177
AEBP2	ACC	HM_w	187	69	409	665	178
SIRT7	ACC	HA_e	45	385	233	663	179
SP140	ACC	HA_r	392	227	44	663	180
RBBP7	ACC	ChRC	223	244	195	662	181
POLR2B	ACC	Others	324	69	268	661	182
RTF1	ACC	Others	57	241	360	658	183
SMARCE1	ACC	Helicases	205	410	42	657	184
KDM4C	ACC	HM_e	374	69	212	655	185
SUPT16H	ACC	Others	200	225	230	655	186
KDM2A	ACC	HM_e	118	370	164	652	187
PHF10	ACC	Others	87	363	201	651	188
PAXIP1	ACC	Others	243	69	338	650	189
BAZ2B	ACC	HA_r	355	69	225	649	190
KIAA2026	ACC	Others	256	69	322	647	191
L3MBTL2	ACC	Others	254	280	109	643	192
LBR	ACC	Others	333	69	241	643	193
SHPRH	ACC	Others	213	387	42	642	194
ING3	ACC	HM_r	130	295	216	641	195
TRIM33	ACC	HA_r	310	69	259	638	196
FBXL19	ACC	Others	346	69	220	635	197
ASH2L	ACC	HM_w	183	69	382	634	198
GTF2F1	ACC	Others	146	69	417	632	199
MLLT6	ACC	HM_w	103	368	160	631	200
MSH6	ACC	HM_r	251	273	107	631	201
SETD5	ACC	HM_w	368	69	194	631	202
CBX2	ACC	ChRC	176	324	130	630	203
PRDM7	ACC	HM_w	74	357	199	630	204
HDAC1	ACC	HA_e	341	69	218	628	205
BAP1	ACC	Others	302	69	254	625	206
GADD45B	ACC	Others	150	305	170	625	207

ZGPAT	ACC	Others	12	213	400	625	208
RNF20	ACC	Others	60	415	148	623	209
HDAC3	ACC	HA_e	140	69	412	621	210
PRDM16	ACC	HM_w	398	69	152	619	211
PRDM14	ACC	HM_w	322	253	42	617	212
ZMYND11	ACC	HA_r	11	345	258	614	213
CDYL	ACC	HM_r	290	69	253	612	214
INTS12	ACC	Others	127	69	415	611	215
KAT2A	ACC	HA_w	123	371	115	609	216
PHF5A	ACC	Others	79	257	269	605	217
PHC1	ACC	ChRC	240	69	294	603	218
CHD7	ACC	Helicases	406	69	126	601	219
SCML4	ACC	Others	217	239	145	601	220
TDRD10	ACC	Others	28	384	189	601	221
CECR2	ACC	HA_r	350	69	175	594	222
CLOCK	ACC	HA_w	348	69	174	591	223
ARID1B	ACC	ChRC	388	69	132	589	224
KDM4A	ACC	HM_e	259	288	42	589	225
PRDM5	ACC	HM_w	320	69	200	589	226
UBR7	ACC	Others	18	216	355	589	227
KDM8	ACC	HM_e	112	69	407	588	228
PADI2	ACC	Others	245	69	273	587	229
PRDM11	ACC	HM_w	231	255	100	586	230
PHF13	ACC	Others	84	424	75	583	231
PRDM13	ACC	HM_w	230	254	99	583	232
EZH1	ACC	HM_w	158	374	42	574	233
PRKAA2	ACC	Others	227	249	98	574	234
ACTL6B	ACC	ChRC	188	69	313	570	235
PRDM15	ACC	HM_w	75	252	239	566	236
UHRF1	ACC	DM_r	309	215	42	566	237
PRDM2	ACC	HM_w	229	69	267	565	238
HIRA	ACC	Others	271	69	217	557	239
HIST1H1B	ACC	Others	136	69	352	557	240
TET3	ACC	DM_e	197	220	136	553	241
L3MBTL3	ACC	Others	111	279	161	551	242

SUV39H1	ACC	HM_w	34	224	288	546	243
PARP1	ACC	Others	371	69	105	545	244
BRPF1	ACC	HA_r	295	69	178	542	245
MTA2	ACC	ChRC	98	366	76	540	246
H3F3A	ACC	Others	342	69	122	533	247
SMYD3	ACC	HM_w	38	231	262	531	248
NAP1L2	ACC	Others	249	69	208	526	249
CXXC1	ACC	Others	283	69	173	525	250
KMT2B	ACC	HM_w	414	69	42	525	251
PRKCD	ACC	Others	72	356	97	525	252
KAT7	ACC	HA_w	120	291	112	523	253
PARP2	ACC	Others	91	69	363	523	254
CHD1	ACC	Helicases	170	69	283	522	255
TET1	ACC	DM_e	390	69	63	522	256
ING4	ACC	HM_r	129	69	323	521	257
MARCH5	ACC	Others	110	69	341	520	258
FKBP1A	ACC	Others	155	308	56	519	259
H2AFZ	ACC	Others	144	69	305	518	260
SETMAR	ACC	HM_w	214	69	235	518	261
ORC1	ACC	Others	94	267	156	517	262
UBE2B	ACC	Others	20	69	425	514	263
PCGF5	ACC	Others	241	69	203	513	264
ELP3	ACC	HA_w	162	69	281	512	265
SIRT2	ACC	HA_e	48	69	395	512	266
TCF19	ACC	Others	30	222	260	512	267
RAI1	ACC	Others	369	69	72	510	268
EPC1	ACC	Others	160	69	280	509	269
PHF1	ACC	HM_r	238	69	202	509	270
HIF1AN	ACC	Others	137	69	302	508	271
SMYD4	ACC	HM_w	204	69	232	505	272
PADI3	ACC	Others	329	69	106	504	273
TRIM24	ACC	HA_r	196	218	89	503	274
TAF1L	ACC	HA_r	367	69	66	502	275
BAZ1A	ACC	HA_r	301	69	131	501	276
FKBP5	ACC	Others	153	69	279	501	277

JMJD1C	ACC	HM_e	265	69	166	500	278
HDAC10	ACC	HA_e	142	302	55	499	279
MBD4	ACC	DM_r	107	69	321	497	280
PRDM8	ACC	HM_w	228	69	198	495	281
JMJD6	ACC	HM_e	124	69	300	493	282
MECP2	ACC	DM_r	373	69	51	493	283
SP140L	ACC	HA_r	36	226	231	493	284
GTF2B	ACC	Others	147	303	42	492	285
KDM3A	ACC	HM_e	260	69	163	492	286
EP300	ACC	HA_w	379	69	42	490	287
KAT6B	ACC	HA_w	121	69	299	489	288
KDM1A	ACC	HM_e	119	290	80	489	289
ZCWPW2	ACC	HM_r	190	69	228	487	290
HNF1A	ACC	ChRC	134	298	54	486	291
EED	ACC	ChRC	163	69	249	481	292
SP110	ACC	HA_r	202	228	45	475	293
TCEA1	ACC	Others	31	69	373	473	294
SMARCA1	ACC	Helicases	209	69	193	471	295
TDRD5	ACC	Others	311	69	91	471	296
G2E3	ACC	Others	152	69	247	468	297
TRIM66	ACC	HA_r	22	217	229	468	298
GADD45A	ACC	Others	151	69	246	466	299
PRMT6	ACC	HM_w	68	246	151	465	300
AICDA	ACC	DM_e	307	69	88	464	301
HDAC4	ACC	HA_e	275	69	120	464	302
HDAC5	ACC	HA_e	274	69	119	462	303
PHC2	ACC	ChRC	239	69	154	462	304
MBTD1	ACC	Others	105	277	78	460	305
DPF3	ACC	HA_r	165	69	222	456	306
HIST1H3B	ACC	Others	270	69	117	456	307
PHF7	ACC	Others	234	69	153	456	308
JADE1	ACC	Others	126	69	257	452	309
ELP4	ACC	HA_w	161	69	221	451	310
HDGFL1	ACC	Others	138	69	244	451	311
JARID2	ACC	ChRC	266	69	116	451	312

JADE3	ACC	Others	125	69	256	450	313
USP27X	ACC	Others	193	214	42	449	314
PHF12	ACC	Others	85	69	293	447	315
PHF21A	ACC	HM_r	82	261	103	446	316
RPS6KA5	ACC	Others	58	242	146	446	317
SUZ12	ACC	ChRC	32	223	191	446	318
IDH1	ACC	DM_e	133	69	243	445	319
KAT5	ACC	HA_w	263	69	113	445	320
IDH2	ACC	DM_e	132	69	242	443	321
RNF40	ACC	Others	220	69	147	436	322
ATAT1	ACC	Others	182	69	184	435	323
SIRT5	ACC	HA_e	46	69	317	432	324
SETD6	ACC	HM_w	52	236	143	431	325
PRDM6	ACC	HM_w	319	69	42	430	326
BRD2	ACC	HA_r	180	69	180	429	327
TDRD1	ACC	Others	312	69	43	424	328
SIRT3	ACC	HA_e	47	234	141	422	329
MPHOSPH8	ACC	HM_r	101	274	42	417	330
SMARCD2	ACC	Helicases	42	232	139	413	331
ING5	ACC	HM_r	128	69	215	412	332
MTA3	ACC	ChRC	97	272	42	411	333
PHF8	ACC	Others	233	69	102	404	334
SP100	ACC	HA_r	37	229	138	404	335
SMNDC1	ACC	Others	41	69	289	399	336
USP51	ACC	Others	192	69	133	394	337
ERCC5	ACC	Others	279	69	42	390	338
PHF21B	ACC	HM_r	81	260	49	390	339
SUV39H2	ACC	HM_w	33	69	287	389	340
MBD2	ACC	DM_r	109	69	210	388	341
PHF23	ACC	HM_r	80	259	48	387	342
RNF2	ACC	ChRC	222	69	96	387	343
SETD4	ACC	HM_w	53	69	265	387	344
MECOM	ACC	Others	104	69	209	382	345
RSF1	ACC	ChRC	219	69	94	382	346
HAT1	ACC	HA_w	143	69	169	381	347

HSPBAP1	ACC	Others	268	69	42	379	348
SFMBT1	ACC	HM_r	50	235	92	377	349
HDAC8	ACC	HA_e	139	69	168	376	350
PHIP	ACC	HA_r	78	256	42	376	351
L3MBTL4	ACC	Others	253	69	53	375	352
PRDM10	ACC	HM_w	232	69	74	375	353
MBD1	ACC	DM_r	252	69	52	373	354
PRMT8	ACC	HM_w	66	69	238	373	355
SMYD2	ACC	HM_w	39	69	263	371	356
CHAF1B	ACC	ChRC	171	69	128	368	357
PADI6	ACC	Others	93	69	205	367	358
PADI1	ACC	Others	246	69	50	365	359
RBBP4	ACC	ChRC	224	69	71	364	360
PCGF1	ACC	Others	90	69	204	363	361
CSTL1	ACC	Others	167	69	125	361	362
DPY30	ACC	Others	164	69	124	357	363
PADI4	ACC	Others	244	69	42	355	364
SETDB2	ACC	HM_w	215	69	69	353	365
SIN3A	ACC	ChRC	49	69	234	352	366
SIRT1	ACC	HA_e	212	69	68	349	367
KDM4E	ACC	HM_e	116	69	162	347	368
FKBP2	ACC	Others	154	69	123	346	369
PHF6	ACC	HM_r	235	69	42	346	370
SMARCC1	ACC	Helicases	208	69	67	344	371
PSIP1	ACC	HM_r	225	69	42	336	372
TCF20	ACC	Others	199	69	65	333	373
TP53BP1	ACC	Others	24	219	90	333	374
HDAC11	ACC	HA_e	141	69	121	331	375
PYGO1	ACC	HM_r	65	69	197	331	376
CDYL2	ACC	HM_r	172	69	87	328	377
RBBP5	ACC	ChRC	62	69	196	327	378
HIST1H1C	ACC	Others	135	69	118	322	379
NAP1L3	ACC	Others	95	69	158	322	380
DPF2	ACC	Others	166	69	85	320	381
AIRE	ACC	HM_r	185	69	61	315	382

SMYD5	ACC	HM_w	203	69	42	314	383
EPC2	ACC	Others	159	69	84	312	384
FBXO44	ACC	Others	156	69	83	308	385
KAT2B	ACC	HA_w	122	69	114	305	386
UHRF2	ACC	DM_r	194	69	42	305	387
CBX6	ACC	HM_r	174	69	59	302	388
SMYD1	ACC	HM_w	40	69	192	301	389
KDM4D	ACC	HM_e	117	69	111	297	390
ARID1A	ACC	ChRC	184	69	42	295	391
TDG	ACC	ChRC	29	69	190	288	392
CBX7	ACC	HM_r	173	69	42	284	393
TDRD12	ACC	Others	27	69	188	284	394
MBD5	ACC	DM_r	106	69	108	283	395
RAG2	ACC	HM_r	63	69	150	282	396
RING1	ACC	Others	61	69	149	279	397
SETD7	ACC	HM_w	51	69	142	262	398
KDM6A	ACC	HM_e	113	69	79	261	399
PHF11	ACC	Others	86	69	104	259	400
GTF2H1	ACC	Others	145	69	42	256	401
MSL3	ACC	HA_w	100	69	77	246	402
SSRP1	ACC	Others	35	69	137	241	403
KDM5D	ACC	HM_e	114	69	42	225	404
UBE2A	ACC	Others	21	69	135	225	405
UBE2E1	ACC	Others	19	69	134	222	406
SATB1	ACC	Others	56	69	93	218	407
MORF4L1	ACC	HM_r	102	69	42	213	408
SCMH1	ACC	Others	55	69	70	194	409
PRMT3	ACC	HM_w	70	69	42	181	410
SMARCB1	ACC	Helicases	44	69	46	159	411
TDRD3	ACC	HM_r	26	69	64	159	412
ZCWPW1	ACC	HM_r	13	69	62	144	413
USP22	ACC	Others	17	69	42	128	414
UTY	ACC	HM_e	16	69	42	127	415
WDR82	ACC	Others	14	69	42	125	416
ATAD2	BLCA	HA_r	406	414	419	1239	1

ASXL1	BLCA	Others	411	394	416	1221	2
BRPF1	BLCA	HA_r	353	416	423	1192	3
SETDB1	BLCA	HM_w	339	424	426	1189	4
ASH1L	BLCA	HM_w	418	400	368	1186	5
PHF20L1	BLCA	HM_r	362	403	415	1180	6
CHD7	BLCA	Helicases	417	352	387	1156	7
ACTL6A	BLCA	ChRC	330	381	425	1136	8
BPTF	BLCA	HA_r	400	341	394	1135	9
KDM1B	BLCA	HM_e	334	413	382	1129	10
ATR	BLCA	Others	371	333	405	1109	11
NCOA3	BLCA	HA_w	390	301	406	1097	12
GATAD2B	BLCA	HM_r	274	407	414	1095	13
NCOA1	BLCA	HA_w	391	322	380	1093	14
PAF1	BLCA	Others	308	368	412	1088	15
PHF20	BLCA	HM_r	388	287	403	1078	16
SETD5	BLCA	HM_w	245	418	411	1074	17
JARID2	BLCA	ChRC	317	384	354	1055	18
PHF12	BLCA	Others	306	404	344	1054	19
CHD6	BLCA	Helicases	414	274	363	1051	20
AKAP1	BLCA	Others	286	363	398	1047	21
CHRA1	BLCA	ChRC	221	393	422	1036	22
KDM2A	BLCA	HM_e	315	349	370	1034	23
ZMYND8	BLCA	HA_r	386	296	349	1031	24
TAF3	BLCA	HA_r	184	422	417	1023	25
SUZ12	BLCA	ChRC	298	358	364	1020	26
ASH2L	BLCA	HM_w	167	425	424	1016	27
KDM6A	BLCA	HM_e	425	370	219	1014	28
PYGO2	BLCA	HM_r	197	399	418	1014	29
SRCAP	BLCA	Others	419	261	331	1011	30
BRD9	BLCA	HA_r	165	423	420	1008	31
RNF40	BLCA	Others	340	264	404	1008	32
MLLT6	BLCA	HM_w	363	347	296	1006	33
SMARCA4	BLCA	Helicases	416	239	351	1006	34
DPF1	BLCA	ChRC	279	406	319	1004	35
ASXL2	BLCA	Others	410	335	243	988	36

CTCF	BLCA	Others	351	291	345	987	37
EHMT2	BLCA	HM_w	322	306	359	987	38
TRIM28	BLCA	HA_r	238	344	395	977	39
MLLT10	BLCA	HM_w	260	323	392	975	40
CHD4	BLCA	Helicases	408	275	289	972	41
ELP3	BLCA	HA_w	157	405	409	971	42
DIDO1	BLCA	Others	421	154	393	968	43
BRD1	BLCA	HA_r	285	332	348	965	44
KDM4A	BLCA	HM_e	312	371	279	962	45
MBTD1	BLCA	Others	261	324	377	962	46
PHF3	BLCA	Others	395	299	268	962	47
CHD1L	BLCA	Helicases	162	421	365	948	48
SIRT5	BLCA	HA_e	187	402	352	941	49
EP400	BLCA	HA_w	420	229	288	937	50
RPA3	BLCA	Others	194	360	383	937	51
KAT2B	BLCA	HA_w	140	397	397	934	52
PRMT7	BLCA	HM_w	341	286	304	931	53
SMYD4	BLCA	HM_w	337	318	276	931	54
KDM5A	BLCA	HM_e	367	252	307	926	55
SMARCC2	BLCA	Helicases	377	238	310	925	56
SMARCB1	BLCA	Helicases	243	320	361	924	57
CARM1	BLCA	HM_w	283	293	347	923	58
AFF1	BLCA	Others	373	342	197	912	59
SMARCE1	BLCA	Helicases	242	281	389	912	60
PHRF1	BLCA	Others	253	266	390	909	61
NCOR1	BLCA	ChRC	412	354	137	903	62
PRDM14	BLCA	HM_w	292	377	233	902	63
ATAD2B	BLCA	HA_r	227	334	340	901	64
ARID4B	BLCA	ChRC	375	234	291	900	65
BOP 1	BLCA	Others	100	387	413	900	66
SUV39H2	BLCA	HM_w	110	382	407	899	67
TDRD5	BLCA	Others	240	365	292	897	68
HIRA	BLCA	Others	270	362	263	895	69
GLYR1	BLCA	HM_r	216	305	371	892	70
SATB1	BLCA	Others	123	398	369	890	71

STK31	BLCA	Others	299	314	275	888	72
RNF2	BLCA	ChRC	124	383	379	886	73
HIST1H1C	BLCA	Others	346	374	165	885	74
SMARCD2	BLCA	Helicases	116	359	410	885	75
BAZ2A	BLCA	HA_r	370	157	355	882	76
HLTF	BLCA	Others	146	350	386	882	77
ERCC5	BLCA	Others	219	329	325	873	78
HDAC9	BLCA	HA_e	347	386	139	872	79
MECOM	BLCA	Others	380	396	96	872	80
HDGF	BLCA	Others	86	385	400	871	81
KAT6A	BLCA	HA_w	76	420	373	869	82
ASXL3	BLCA	Others	382	277	209	868	83
BAZ1B	BLCA	HA_r	328	216	320	864	84
PRDM9	BLCA	HM_w	384	412	68	864	85
CBX2	BLCA	ChRC	164	311	388	863	86
ARID2	BLCA	ChRC	415	192	254	861	87
HDAC11	BLCA	HA_e	214	419	227	860	88
ING1	BLCA	HM_r	83	375	402	860	89
TDRKH	BLCA	Others	20	417	421	858	90
BRWD1	BLCA	HA_r	405	69	381	855	91
RSF1	BLCA	ChRC	193	367	295	855	92
ARID1B	BLCA	ChRC	383	295	176	854	93
KDM2B	BLCA	HM_e	314	206	334	854	94
DNMT3A	BLCA	DM_w	160	331	362	853	95
NSD1	BLCA	HM_w	389	271	185	845	96
CDYL2	BLCA	HM_r	222	340	281	843	97
DNMT1	BLCA	DM_w	350	212	280	842	98
CBX4	BLCA	HM_r	324	309	208	841	99
FBXO17	BLCA	Others	91	392	358	841	100
CBX8	BLCA	ChRC	223	308	309	840	101
PRKAA1	BLCA	Others	40	410	384	834	102
MTA2	BLCA	ChRC	206	251	375	832	103
SP100	BLCA	HA_r	359	317	153	829	104
SIRT2	BLCA	HA_e	31	388	408	827	105
ZCWPW2	BLCA	HM_r	236	343	247	826	106

BAZ2B	BLCA	HA_r	401	294	129	824	107
KDM1A	BLCA	HM_e	345	181	298	824	108
DOT1L	BLCA	HM_w	407	187	229	823	109
CREBBP	BLCA	HA_w	423	357	42	822	110
MEN1	BLCA	ChRC	310	202	306	818	111
PRDM2	BLCA	HM_w	361	170	286	817	112
CBX1	BLCA	HM_r	224	214	376	814	113
PSIP1	BLCA	HM_r	378	391	42	811	114
CBX3	BLCA	HM_r	99	310	401	810	115
L3MBTL4	BLCA	Others	137	355	317	809	116
RAI1	BLCA	Others	360	353	94	807	117
SFMBT2	BLCA	Others	188	415	202	805	118
CHAF1B	BLCA	ChRC	163	292	346	801	119
PHF14	BLCA	Others	49	361	391	801	120
TDRD9	BLCA	Others	239	313	249	801	121
SCMH1	BLCA	Others	122	390	285	797	122
SETD1A	BLCA	HM_w	302	198	294	794	123
CHD3	BLCA	Helicases	399	276	112	787	124
SSRP1	BLCA	Others	241	196	350	787	125
PHC3	BLCA	ChRC	52	380	353	785	126
TCEA1	BLCA	Others	23	366	396	785	127
DPY30	BLCA	Others	158	290	335	783	128
KDM5B	BLCA	HM_e	366	179	237	782	129
KDM3A	BLCA	HM_e	313	205	262	780	130
PRDM4	BLCA	HM_w	252	169	357	778	131
ARID1A	BLCA	ChRC	426	69	282	777	132
PBRM1	BLCA	HA_r	396	69	312	777	133
SETD3	BLCA	HM_w	191	283	303	777	134
SETMAR	BLCA	HM_w	32	389	356	777	135
SFMBT1	BLCA	HM_r	189	321	267	777	136
SUPT16H	BLCA	Others	376	69	330	775	137
HDAC4	BLCA	HA_e	319	356	99	774	138
SMARCA2	BLCA	Helicases	402	69	302	773	139
ZMYND11	BLCA	HA_r	11	395	366	772	140
TCF20	BLCA	Others	394	162	215	771	141

GATAD2A	BLCA	HM_r	320	185	264	769	142
DNMT3B	BLCA	DM_w	159	378	230	767	143
KAT5	BLCA	HA_w	139	304	318	761	144
IDH1	BLCA	DM_e	266	255	238	759	145
EZH1	BLCA	HM_w	277	153	324	754	146
HDAC10	BLCA	HA_e	294	328	132	754	147
HIST1H3B	BLCA	Others	268	373	111	752	148
RAG2	BLCA	HM_r	290	285	177	752	149
SMARCC1	BLCA	Helicases	338	69	343	750	150
MTF2	BLCA	HM_r	259	177	313	749	151
AEBP2	BLCA	HM_w	169	279	299	747	152
MSH6	BLCA	HM_r	208	221	316	745	153
SND1	BLCA	HM_r	300	69	374	743	154
ATAT1	BLCA	Others	102	312	328	742	155
SETD4	BLCA	HM_w	190	241	311	742	156
BRDT	BLCA	HA_r	357	233	151	741	157
SMYD5	BLCA	HM_w	112	262	367	741	158
PRKAA2	BLCA	Others	251	265	224	740	159
PWWP2B	BLCA	Others	249	346	142	737	160
DPF2	BLCA	Others	93	307	336	736	161
KIAA2026	BLCA	Others	365	69	297	731	162
KAT7	BLCA	HA_w	74	253	399	726	163
BRPF3	BLCA	HA_r	325	156	242	723	164
DAXX	BLCA	ChRC	280	69	372	721	165
KDM4D	BLCA	HM_e	210	224	287	721	166
ING4	BLCA	HM_r	142	254	323	719	167
MPHOSPH8	BLCA	HM_r	343	69	305	717	168
KAT2A	BLCA	HA_w	316	182	218	716	169
TAF1L	BLCA	HA_r	297	195	222	714	170
TDRD6	BLCA	Others	393	237	84	714	171
ZGPAT	BLCA	Others	179	193	342	714	172
PAXIP1	BLCA	Others	255	69	385	709	173
POLR2B	BLCA	Others	126	246	337	709	174
HIST1H1B	BLCA	Others	269	339	98	706	175
BAZ1A	BLCA	HA_r	354	217	130	701	176

HCFC1	BLCA	Others	374	69	258	701	177
PRDM16	BLCA	HM_w	387	171	143	701	178
CDYL	BLCA	HM_r	323	69	308	700	179
ATRX	BLCA	Helicases	385	191	120	696	180
EP300	BLCA	HA_w	424	230	42	696	181
HR	BLCA	HM_e	144	408	144	696	182
PRMT8	BLCA	HM_w	333	298	63	694	183
TDRD10	BLCA	Others	108	401	181	690	184
MBD4	BLCA	DM_r	133	222	333	688	185
SIRT7	BLCA	HA_e	27	336	321	684	186
KDM8	BLCA	HM_e	70	303	300	673	187
BRD2	BLCA	HA_r	327	69	274	670	188
ING3	BLCA	HM_r	211	184	271	666	189
CHD5	BLCA	Helicases	398	188	78	664	190
PCGF2	BLCA	Others	56	337	269	662	191
GTF2H1	BLCA	Others	232	69	360	661	192
G2E3	BLCA	Others	275	69	314	658	193
GTF2F1	BLCA	Others	273	131	253	657	194
L3MBTL1	BLCA	HM_r	64	348	245	657	195
TET3	BLCA	DM_e	107	219	329	655	196
EED	BLCA	ChRC	278	330	42	650	197
PRDM7	BLCA	HM_w	291	69	290	650	198
FBXW9	BLCA	Others	276	133	240	649	199
KDM6B	BLCA	HM_e	264	288	97	649	200
RPH3A	BLCA	Others	303	284	62	649	201
FMR1	BLCA	Others	177	257	214	648	202
CHD1	BLCA	Helicases	392	213	42	647	203
MECP2	BLCA	DM_r	62	338	244	644	204
TDRD7	BLCA	Others	182	260	201	643	205
UBE2E1	BLCA	Others	17	364	260	641	206
RBBP5	BLCA	ChRC	196	167	277	640	207
MBD1	BLCA	DM_r	364	149	125	638	208
SMYD1	BLCA	HM_w	331	164	140	635	209
BMI1	BLCA	ChRC	226	69	339	634	210
FKBP5	BLCA	Others	348	186	100	634	211

PRMT5	BLCA	HM_w	250	69	315	634	212
SMARCA5	BLCA	Helicases	117	282	235	634	213
CLOCK	BLCA	HA_w	161	231	241	633	214
SP140	BLCA	HA_r	185	345	103	633	215
TDRD3	BLCA	HM_r	183	376	73	632	216
NCOR2	BLCA	Others	404	69	157	630	217
ATF7IP	BLCA	Others	329	69	231	629	218
UBR7	BLCA	Others	104	259	266	629	219
TDRD1	BLCA	Others	287	280	60	627	220
KDM5C	BLCA	HM_e	230	150	246	626	221
BRWD3	BLCA	HA_r	234	189	200	623	222
FBXL19	BLCA	Others	218	211	194	623	223
SP110	BLCA	HA_r	186	316	121	623	224
ARID4A	BLCA	ChRC	356	69	196	621	225
EZH2	BLCA	HM_w	321	69	228	618	226
CECR2	BLCA	HA_r	352	69	195	616	227
CHAF1A	BLCA	ChRC	282	69	265	616	228
CHD9	BLCA	Helicases	397	69	148	614	229
PADI1	BLCA	Others	309	148	156	613	230
HDGFL1	BLCA	Others	85	426	101	612	231
KANSL1	BLCA	HA_w	77	208	327	612	232
TCF19	BLCA	Others	22	297	293	612	233
NAP1L1	BLCA	Others	257	137	217	611	234
TP53BP1	BLCA	Others	335	134	141	610	235
JMJD1C	BLCA	HM_e	368	69	171	608	236
KAT8	BLCA	HA_w	73	207	326	606	237
KDM3B	BLCA	HM_e	381	180	42	603	238
ING5	BLCA	HM_r	141	372	88	601	239
PARP1	BLCA	Others	307	69	225	601	240
FKBP1A	BLCA	Others	90	132	378	600	241
HDAC7	BLCA	HA_e	212	227	160	599	242
ACTL6B	BLCA	ChRC	295	235	61	591	243
PADI2	BLCA	Others	379	147	65	591	244
BRD8	BLCA	HA_r	225	190	174	589	245
HIF1AN	BLCA	Others	271	273	42	586	246

PHC1	BLCA	ChRC	131	270	184	585	247
CXXC1	BLCA	Others	281	155	147	583	248
PARP2	BLCA	Others	173	69	341	583	249
PHF11	BLCA	Others	130	411	42	583	250
BRD7	BLCA	HA_r	326	69	187	582	251
PHF6	BLCA	HM_r	293	247	42	582	252
GTF3C4	BLCA	HA_w	272	69	239	580	253
ING2	BLCA	HM_r	143	327	110	580	254
ZCWPW1	BLCA	HM_r	180	218	180	578	255
RBBP4	BLCA	ChRC	247	69	261	577	256
JMJD6	BLCA	HM_e	79	326	170	575	257
DMAP1	BLCA	Others	94	351	128	573	258
KDM4C	BLCA	HM_e	311	69	193	573	259
ATM	BLCA	Others	422	69	81	572	260
SETDB2	BLCA	HM_w	120	409	42	571	261
GADD45A	BLCA	Others	153	209	206	568	262
KDM4B	BLCA	HM_e	138	204	226	568	263
PRDM5	BLCA	HM_w	305	168	95	568	264
RPS6KA5	BLCA	Others	246	69	251	566	265
PRKCD	BLCA	Others	304	69	191	564	266
HELLS	BLCA	Helicases	147	256	159	562	267
JMJD8	BLCA	HM_e	78	272	212	562	268
PYGO1	BLCA	HM_r	248	130	183	561	269
UBE2A	BLCA	Others	170	159	232	561	270
PRMT1	BLCA	HM_w	39	242	278	559	271
H3F3A	BLCA	Others	151	69	338	558	272
MUM1	BLCA	Others	258	176	124	558	273
TET1	BLCA	DM_e	336	69	152	557	274
FKBP2	BLCA	Others	217	210	127	554	275
PRDM11	BLCA	HM_w	200	245	107	552	276
USP51	BLCA	Others	228	69	255	552	277
KAT6B	BLCA	HA_w	75	325	150	550	278
PCGF6	BLCA	Others	132	300	117	549	279
IWS1	BLCA	Others	318	183	42	543	280
PHF8	BLCA	Others	229	135	178	542	281

BRD4	BLCA	HA_r	284	215	42	541	282
AURKB	BLCA	Others	101	258	175	534	283
HSPBAP1	BLCA	Others	267	225	42	534	284
AFF4	BLCA	Others	372	69	89	530	285
PHF13	BLCA	Others	50	143	332	525	286
INO80	BLCA	Helicases	413	69	42	524	287
TDG	BLCA	ChRC	109	194	221	524	288
MBD5	BLCA	DM_r	344	69	109	522	289
CHD2	BLCA	Helicases	409	69	42	520	290
TAF1	BLCA	HA_r	288	69	163	520	291
ORC1	BLCA	Others	58	250	211	519	292
PCMT1	BLCA	Others	54	249	216	519	293
CBX5	BLCA	HM_r	98	232	186	516	294
PRDM15	BLCA	HM_w	342	69	105	516	295
RING1	BLCA	Others	125	69	322	516	296
SETD2	BLCA	HM_w	403	69	42	514	297
HDAC6	BLCA	HA_e	231	69	213	513	298
PCGF1	BLCA	Others	57	220	236	513	299
TET2	BLCA	DM_e	358	69	83	510	300
AICDA	BLCA	DM_e	168	278	59	505	301
TDRD12	BLCA	Others	21	379	102	502	302
MSL3	BLCA	HA_w	175	69	257	501	303
SP140L	BLCA	HA_r	111	315	74	500	304
ELP4	BLCA	HA_w	156	69	273	498	305
RBBP7	BLCA	ChRC	172	69	256	497	306
PHIP	BLCA	HA_r	254	200	42	496	307
HDAC2	BLCA	HA_e	149	228	118	495	308
HDAC1	BLCA	HA_e	150	69	272	491	309
HDAC5	BLCA	HA_e	213	151	126	490	310
SMARCA1	BLCA	Helicases	289	69	131	489	311
CHD8	BLCA	Helicases	369	69	42	480	312
MTA1	BLCA	ChRC	207	69	204	480	313
KMT2B	BLCA	HM_w	68	369	42	479	314
LBR	BLCA	Others	136	69	270	475	315
SMARCD1	BLCA	Helicases	26	165	284	475	316

PADI3	BLCA	Others	205	146	123	474	317
SIRT1	BLCA	HA_e	118	240	115	473	318
FBXO44	BLCA	Others	154	152	166	472	319
PRMT6	BLCA	HM_w	198	69	203	470	320
L3MBTL3	BLCA	Others	262	69	138	469	321
RNF17	BLCA	Others	332	69	67	468	322
BAP1	BLCA	Others	355	69	42	466	323
HDAC8	BLCA	HA_e	176	69	220	465	324
PHF1	BLCA	HM_r	204	69	192	465	325
PRDM8	BLCA	HM_w	199	199	64	462	326
EHMT1	BLCA	HM_w	349	69	42	460	327
PHF19	BLCA	HM_r	129	174	155	458	328
SETD1B	BLCA	HM_w	34	197	223	454	329
PPARGC1A	BLCA	Others	203	142	108	453	330
PHF21A	BLCA	HM_r	48	268	136	452	331
JADE3	BLCA	Others	80	69	301	450	332
PHF23	BLCA	HM_r	46	267	135	448	333
PHF7	BLCA	Others	127	69	252	448	334
INTS12	BLCA	Others	265	138	42	445	335
PADI4	BLCA	Others	256	145	42	443	336
SETD6	BLCA	HM_w	121	69	250	440	337
HNF1A	BLCA	ChRC	145	226	66	437	338
UHRF1	BLCA	DM_r	237	158	42	437	339
SIN3B	BLCA	ChRC	119	128	189	436	340
EPC1	BLCA	Others	220	69	146	435	341
TRIM33	BLCA	HA_r	181	141	113	435	342
SMYD2	BLCA	HM_w	114	163	154	431	343
TRIM24	BLCA	HA_r	19	161	248	428	344
KMT2C	BLCA	HM_w	67	302	56	425	345
BRD3	BLCA	HA_r	166	69	188	423	346
DNMT3L	BLCA	DM_w	233	69	119	421	347
FXR2	BLCA	Others	89	289	42	420	348
SIN3A	BLCA	ChRC	244	129	42	415	349
SHPRH	BLCA	Others	301	69	42	412	350
PADI6	BLCA	Others	174	144	91	409	351

SIRT3	BLCA	HA_e	30	263	114	407	352
UTY	BLCA	HM_e	296	69	42	407	353
PRDM1	BLCA	HM_w	202	69	134	405	354
GTF2B	BLCA	Others	152	69	173	394	355
KMT2E	BLCA	HM_w	65	178	149	392	356
PHF10	BLCA	Others	51	269	71	391	357
PRDM10	BLCA	HM_w	201	69	116	386	358
SMNDC1	BLCA	Others	25	319	42	386	359
UBE2I	BLCA	Others	105	236	42	383	360
MBD2	BLCA	DM_r	135	203	42	380	361
KDM4E	BLCA	HM_e	72	223	80	375	362
L3MBTL2	BLCA	Others	263	69	42	374	363
CBX6	BLCA	HM_r	97	69	207	373	364
EPC2	BLCA	Others	155	69	145	369	365
PRDM13	BLCA	HM_w	42	244	79	365	366
SMYD3	BLCA	HM_w	113	69	182	364	367
YY1	BLCA	ChRC	12	69	283	364	368
MBD3	BLCA	DM_r	134	69	158	361	369
PHF2	BLCA	Others	128	69	164	361	370
PHC2	BLCA	ChRC	53	136	169	358	371
PHF21B	BLCA	HM_r	47	248	57	352	372
RTF1	BLCA	Others	192	69	86	347	373
KDM5D	BLCA	HM_e	235	69	42	346	374
WDR5	BLCA	ChRC	13	69	259	341	375
MARCH5	BLCA	Others	63	69	205	337	376
KMT2D	BLCA	HM_w	66	69	199	334	377
SCML2	BLCA	HM_r	171	69	90	330	378
CBX7	BLCA	HM_r	96	69	162	327	379
NAP1L2	BLCA	Others	60	69	198	327	380
HAT1	BLCA	HA_w	215	69	42	326	381
NAP1L3	BLCA	Others	59	175	92	326	382
PRDM6	BLCA	HM_w	41	243	42	326	383
IDH2	BLCA	DM_e	84	69	172	325	384
PRDM12	BLCA	HM_w	43	172	106	321	385
MORF4L1	BLCA	HM_r	209	69	42	320	386

KDM7A	BLCA	HM_e	71	69	179	319	387
USP22	BLCA	Others	15	69	234	318	388
H2AFZ	BLCA	Others	87	69	161	317	389
SMARCD3	BLCA	Helicases	115	69	133	317	390
AIRE	BLCA	HM_r	178	69	69	316	391
CSTL1	BLCA	Others	95	139	77	311	392
RNF20	BLCA	Others	195	69	42	306	393
MTA3	BLCA	ChRC	61	201	42	304	394
SUV39H1	BLCA	HM_w	24	69	210	303	395
PRMT3	BLCA	HM_w	37	69	190	296	396
UBE2B	BLCA	Others	106	140	42	288	397
PHF5A	BLCA	Others	45	69	168	282	398
SIRT4	BLCA	HA_e	29	166	85	280	399
SCML4	BLCA	Others	35	69	167	271	400
TRIM66	BLCA	HA_r	18	160	82	260	401
HDAC3	BLCA	HA_e	148	69	42	259	402
POLE3	BLCA	ChRC	44	173	42	259	403
JADE1	BLCA	Others	82	69	93	244	404
GADD45B	BLCA	Others	88	69	76	233	405
KMT2A	BLCA	HM_w	69	69	87	225	406
SETD7	BLCA	HM_w	33	69	122	224	407
JADE2	BLCA	Others	81	69	70	220	408
DPF3	BLCA	HA_r	92	69	58	219	409
WDR82	BLCA	Others	103	69	42	214	410
SIRT6	BLCA	HA_e	28	69	104	201	411
PCGF5	BLCA	Others	55	69	72	196	412
RNF217	BLCA	Others	36	69	75	180	413
PRMT2	BLCA	HM_w	38	69	42	149	414
UHRF2	BLCA	DM_r	16	69	42	127	415
USP27X	BLCA	Others	14	69	42	125	416
SETDB1	BRCA	HM_w	396	419	426	1241	1
ATAD2	BRCA	HA_r	376	426	420	1222	2
ASH1L	BRCA	HM_w	412	410	399	1221	3
ARID4B	BRCA	ChRC	383	420	410	1213	4
CHD7	BRCA	Helicases	408	399	400	1207	5

SRCAP	BRCA	Others	424	374	409	1207	6
KDM5B	BRCA	HM_e	371	411	417	1199	7
PARP1	BRCA	Others	359	415	423	1197	8
BPTF	BRCA	HA_r	404	402	389	1195	9
PHF20L1	BRCA	HM_r	342	425	414	1181	10
DIDO1	BRCA	Others	388	386	403	1177	11
CREBBP	BRCA	HA_w	399	381	391	1171	12
KDM2A	BRCA	HM_e	380	393	398	1171	13
CHD1L	BRCA	Helicases	350	414	390	1154	14
GLYR1	BRCA	HM_r	361	376	416	1153	15
KAT6A	BRCA	HA_w	349	406	388	1143	16
PHF12	BRCA	Others	358	380	381	1119	17
RNF40	BRCA	Others	299	375	418	1092	18
SMYD2	BRCA	HM_w	271	407	411	1089	19
MBTD1	BRCA	Others	304	398	385	1087	20
KDM5A	BRCA	HM_e	347	367	361	1075	21
TDRD5	BRCA	Others	318	403	354	1075	22
NCOA3	BRCA	HA_w	322	356	394	1072	23
AKAP1	BRCA	Others	294	397	374	1065	24
SETD1A	BRCA	HM_w	298	377	384	1059	25
ASXL1	BRCA	Others	389	296	372	1057	26
CHD6	BRCA	Helicases	422	302	315	1039	27
TDRKH	BRCA	Others	198	412	421	1031	28
CBX2	BRCA	ChRC	262	391	377	1030	29
CHD4	BRCA	Helicases	423	353	232	1008	30
SMYD3	BRCA	HM_w	205	421	382	1008	31
LBR	BRCA	Others	282	416	309	1007	32
SUZ12	BRCA	ChRC	295	339	373	1007	33
MLLT10	BRCA	HM_w	345	319	342	1006	34
HCFC1	BRCA	Others	397	320	285	1002	35
SMARCA4	BRCA	Helicases	355	306	341	1002	36
ERCC5	BRCA	Others	260	327	408	995	37
BRD9	BRCA	HA_r	263	348	380	991	38
BAZ1A	BRCA	HA_r	364	304	322	990	39
KAT8	BRCA	HA_w	219	370	396	985	40

DNMT1	BRCA	DM_w	373	286	321	980	41
RBBP5	BRCA	ChRC	124	418	422	964	42
TCEA1	BRCA	Others	155	394	413	962	43
SIRT7	BRCA	HA_e	206	384	370	960	44
SFMBT2	BRCA	Others	336	363	255	954	45
CARM1	BRCA	HM_w	291	295	362	948	46
STK31	BRCA	Others	377	293	275	945	47
KAT7	BRCA	HA_w	139	395	407	941	48
PRDM14	BRCA	HM_w	279	401	260	940	49
GATAD2B	BRCA	HM_r	105	409	419	933	50
BAZ1B	BRCA	HA_r	331	248	353	932	51
BRPF1	BRCA	HA_r	292	288	345	925	52
HDGF	BRCA	Others	103	405	415	923	53
NSD1	BRCA	HM_w	391	274	256	921	54
BRWD1	BRCA	HA_r	416	259	245	920	55
RNF2	BRCA	ChRC	122	404	393	919	56
KDM5C	BRCA	HM_e	387	244	287	918	57
ZMYND8	BRCA	HA_r	265	360	293	918	58
MSH6	BRCA	HM_r	344	228	339	911	59
PHC3	BRCA	ChRC	320	366	225	911	60
BRD4	BRCA	HA_r	192	349	368	909	61
HDAC6	BRCA	HA_e	414	232	263	909	62
ATR	BRCA	Others	382	220	306	908	63
BOP 1	BRCA	Others	67	423	412	902	64
TDRD6	BRCA	Others	354	292	254	900	65
L3MBTL1	BRCA	HM_r	325	338	236	899	66
RSF1	BRCA	ChRC	120	396	383	899	67
ELP3	BRCA	HA_w	108	383	406	897	68
SETD5	BRCA	HM_w	273	297	325	895	69
PRMT2	BRCA	HM_w	244	279	367	890	70
KAT6B	BRCA	HA_w	406	333	148	887	71
ACTL6A	BRCA	ChRC	113	372	401	886	72
CHRA1	BRCA	ChRC	38	424	424	886	73
PYGO2	BRCA	HM_r	48	413	425	886	74
PHF20	BRCA	HM_r	167	340	378	885	75

H3F3A	BRCA	Others	60	417	405	882	76
SMARCD2	BRCA	Helicases	78	400	404	882	77
TRIM28	BRCA	HA_r	235	335	311	881	78
MECOM	BRCA	Others	386	368	125	879	79
CHAF1A	BRCA	ChRC	288	258	331	877	80
HDAC2	BRCA	HA_e	224	318	335	877	81
PRMT5	BRCA	HM_w	277	225	371	873	82
EHMT2	BRCA	HM_w	261	256	349	866	83
HIST1H1C	BRCA	Others	308	277	280	865	84
JMJD6	BRCA	HM_e	99	387	379	865	85
HIST1H3B	BRCA	Others	381	276	207	864	86
KDM8	BRCA	HM_e	136	362	366	864	87
PHF8	BRCA	Others	370	281	211	862	88
FBXL19	BRCA	Others	145	378	338	861	89
AEBP2	BRCA	HM_w	195	315	350	860	90
CBX8	BRCA	ChRC	290	392	176	858	91
CBX1	BRCA	HM_r	111	369	376	856	92
CBX4	BRCA	HM_r	228	390	234	852	93
POLR2B	BRCA	Others	340	165	346	851	94
JMJD1C	BRCA	HM_e	360	290	200	850	95
FBXO17	BRCA	Others	226	326	291	843	96
SMARCE1	BRCA	Helicases	77	371	392	840	97
BRPF3	BRCA	HA_r	363	205	258	826	98
ATM	BRCA	Others	421	305	99	825	99
SIN3B	BRCA	ChRC	272	268	282	822	100
FMR1	BRCA	Others	311	235	272	818	101
JMJD8	BRCA	HM_e	53	373	387	813	102
TDRD10	BRCA	Others	202	408	203	813	103
ATF7IP	BRCA	Others	293	314	204	811	104
TET3	BRCA	DM_e	366	118	324	808	105
UBE2I	BRCA	Others	42	379	386	807	106
TDRD12	BRCA	Others	268	336	202	806	107
MLLT6	BRCA	HM_w	51	389	365	805	108
MTA2	BRCA	ChRC	256	212	337	805	109
KDM1B	BRCA	HM_e	138	323	343	804	110

EED	BRCA	ChRC	227	284	292	803	111
SIRT5	BRCA	HA_e	81	346	375	802	112
JARID2	BRCA	ChRC	176	334	290	800	113
ZGPAT	BRCA	Others	114	388	297	799	114
SUPT16H	BRCA	Others	296	161	340	797	115
PRDM1	BRCA	HM_w	339	355	102	796	116
SMYD4	BRCA	HM_w	270	162	359	791	117
SND1	BRCA	HM_r	204	250	336	790	118
ATAD2B	BRCA	HA_r	375	145	268	788	119
HLTF	BRCA	Others	178	312	298	788	120
BAP1	BRCA	Others	316	143	326	785	121
PCGF2	BRCA	Others	50	385	348	783	122
EP300	BRCA	HA_w	392	69	320	781	123
SSRP1	BRCA	Others	237	180	363	780	124
ARID2	BRCA	ChRC	384	178	215	777	125
SMARCA2	BRCA	Helicases	378	357	42	777	126
CHD2	BRCA	Helicases	374	359	42	775	127
SUV39H2	BRCA	HM_w	43	337	395	775	128
MSL3	BRCA	HA_w	281	213	279	773	129
ING1	BRCA	HM_r	284	331	157	772	130
MEN1	BRCA	ChRC	257	202	310	769	131
L3MBTL3	BRCA	Others	346	265	155	766	132
KDM4C	BRCA	HM_e	372	351	42	765	133
TAF3	BRCA	HA_r	269	365	131	765	134
HIRA	BRCA	Others	286	231	247	764	135
KIAA2026	BRCA	Others	379	342	42	763	136
PAF1	BRCA	Others	131	341	289	761	137
DOT1L	BRCA	HM_w	362	218	180	760	138
PHF14	BRCA	Others	250	240	270	760	139
G2E3	BRCA	Others	183	246	330	759	140
ING4	BRCA	HM_r	100	352	304	756	141
BRD2	BRCA	HA_r	193	206	356	755	142
ELP4	BRCA	HA_w	107	301	347	755	143
DNMT3B	BRCA	DM_w	188	285	281	754	144
L3MBTL2	BRCA	Others	283	69	397	749	145

PRDM15	BRCA	HM_w	300	226	223	749	146
SMARCC1	BRCA	Helicases	334	163	252	749	147
BAZ2A	BRCA	HA_r	351	92	305	748	148
CTCF	BRCA	Others	415	291	42	748	149
EZH2	BRCA	HM_w	185	255	301	741	150
MTF2	BRCA	HM_r	255	171	308	734	151
HDAC1	BRCA	HA_e	330	158	244	732	152
SETD1B	BRCA	HM_w	369	152	210	731	153
PHC2	BRCA	ChRC	321	169	239	729	154
PARP2	BRCA	Others	168	189	364	721	155
SIRT2	BRCA	HA_e	82	321	318	721	156
GATAD2A	BRCA	HM_r	143	233	344	720	157
PRKAA1	BRCA	Others	246	252	222	720	158
CDYL	BRCA	HM_r	289	69	358	716	159
KDM4B	BRCA	HM_e	258	289	168	715	160
ORC1	BRCA	Others	216	170	328	714	161
PRMT7	BRCA	HM_w	211	309	191	711	162
CBX3	BRCA	HM_r	110	287	313	710	163
INO80	BRCA	Helicases	307	69	334	710	164
TCF20	BRCA	Others	390	69	249	708	165
DPF1	BRCA	ChRC	64	347	295	706	166
PRDM9	BRCA	HM_w	247	322	137	706	167
HDAC9	BRCA	HA_e	259	282	163	704	168
TET1	BRCA	DM_e	385	125	194	704	169
ZMYND11	BRCA	HA_r	41	364	299	704	170
KDM2B	BRCA	HM_e	328	156	219	703	171
L3MBTL4	BRCA	Others	305	69	329	703	172
BRD7	BRCA	HA_r	230	69	402	701	173
MECP2	BRCA	DM_r	172	316	213	701	174
ACTL6B	BRCA	ChRC	352	249	95	696	175
ASH2L	BRCA	HM_w	232	422	42	696	176
CECR2	BRCA	HA_r	402	69	221	692	177
PRDM11	BRCA	HM_w	212	253	224	689	178
PSIP1	BRCA	HM_r	319	328	42	689	179
SCML4	BRCA	Others	208	361	120	689	180

PRMT8	BRCA	HM_w	243	354	91	688	181
ZCWPW1	BRCA	HM_r	266	221	198	685	182
KDM4A	BRCA	HM_e	348	294	42	684	183
SETMAR	BRCA	HM_w	118	330	235	683	184
SHPRH	BRCA	Others	368	269	42	679	185
DNMT3A	BRCA	DM_w	313	69	296	678	186
IDH2	BRCA	DM_e	32	345	300	677	187
TRIM33	BRCA	HA_r	234	179	262	675	188
PHC1	BRCA	ChRC	95	332	246	673	189
KAT2B	BRCA	HA_w	329	214	129	672	190
SMARCA1	BRCA	Helicases	335	183	153	671	191
CHAF1B	BRCA	ChRC	149	160	360	669	192
TCF19	BRCA	Others	75	238	355	668	193
SUV39H1	BRCA	HM_w	156	209	302	667	194
KDM3A	BRCA	HM_e	327	101	237	665	195
PCMT1	BRCA	Others	96	262	307	665	196
KAT2A	BRCA	HA_w	140	266	257	663	197
SIN3A	BRCA	ChRC	367	251	42	660	198
SP100	BRCA	HA_r	332	129	195	656	199
USP51	BRCA	Others	154	260	242	656	200
PAXIP1	BRCA	Others	251	263	141	655	201
BRWD3	BRCA	HA_r	403	69	182	654	202
BRD3	BRCA	HA_r	231	69	352	652	203
NCOR2	BRCA	Others	343	69	240	652	204
PHRF1	BRCA	Others	356	254	42	652	205
SATB1	BRCA	Others	337	224	90	651	206
BAZ2B	BRCA	HA_r	417	112	121	650	207
DAXX	BRCA	ChRC	189	194	267	650	208
NAP1L1	BRCA	Others	170	227	253	650	209
PRMT3	BRCA	HM_w	161	186	303	650	210
PRMT1	BRCA	HM_w	17	298	332	647	211
CDYL2	BRCA	HM_r	191	343	112	646	212
PRDM10	BRCA	HM_w	301	299	42	642	213
HDAC11	BRCA	HA_e	180	245	214	639	214
SIRT3	BRCA	HA_e	207	261	171	639	215

FBXW9	BRCA	Others	184	267	187	638	216
HDAC4	BRCA	HA_e	309	191	138	638	217
PHF3	BRCA	Others	357	239	42	638	218
POLE3	BRCA	ChRC	165	153	319	637	219
MBD4	BRCA	DM_r	135	141	357	633	220
PHF2	BRCA	Others	213	69	351	633	221
TAF1L	BRCA	HA_r	420	126	84	630	222
CHD8	BRCA	Helicases	407	176	42	625	223
HR	BRCA	HM_e	57	382	186	625	224
NCOA1	BRCA	HA_w	253	210	160	623	225
ATAT1	BRCA	Others	112	236	273	621	226
ASXL3	BRCA	Others	419	113	88	620	227
CHD1	BRCA	Helicases	314	195	111	620	228
PADI2	BRCA	Others	252	139	229	620	229
AURKB	BRCA	Others	152	144	323	619	230
BMI1	BRCA	ChRC	151	303	165	619	231
TRIM24	BRCA	HA_r	267	208	143	618	232
ATRX	BRCA	Helicases	418	69	122	609	233
CHD3	BRCA	Helicases	401	159	42	602	234
PRDM4	BRCA	HM_w	248	69	284	601	235
RNF217	BRCA	Others	121	271	209	601	236
SMYD5	BRCA	HM_w	158	105	333	596	237
SCML2	BRCA	HM_r	209	69	317	595	238
MBD3	BRCA	DM_r	218	243	133	594	239
CHD9	BRCA	Helicases	400	69	123	592	240
ARID1A	BRCA	ChRC	425	124	42	591	241
ASXL2	BRCA	Others	409	69	113	591	242
MPHOSPH8	BRCA	HM_r	303	242	42	587	243
FXR2	BRCA	Others	310	234	42	586	244
KANSL1	BRCA	HA_w	220	324	42	586	245
SCMH1	BRCA	Others	274	270	42	586	246
PRDM13	BRCA	HM_w	164	273	144	581	247
CLOCK	BRCA	HA_w	190	204	181	575	248
EPC1	BRCA	Others	312	217	42	571	249
ING2	BRCA	HM_r	56	317	197	570	250

CHD5	BRCA	Helicases	411	69	89	569	251
SETD2	BRCA	HM_w	410	115	42	567	252
RPA3	BRCA	Others	85	198	283	566	253
HIST1H1B	BRCA	Others	101	230	233	564	254
TET2	BRCA	DM_e	353	69	140	562	255
PHF19	BRCA	HM_r	127	120	312	559	256
FKBP5	BRCA	Others	225	216	116	557	257
HDAC5	BRCA	HA_e	287	69	201	557	258
PPARGC1A	BRCA	Others	249	200	108	557	259
RTF1	BRCA	Others	119	69	369	557	260
AFF1	BRCA	Others	365	147	42	554	261
PHF23	BRCA	HM_r	92	201	261	554	262
PRKCD	BRCA	Others	245	132	177	554	263
TDRD9	BRCA	Others	199	196	158	553	264
PHIP	BRCA	HA_r	341	166	42	549	265
PCGF6	BRCA	Others	214	69	265	548	266
SETD4	BRCA	HM_w	47	184	316	547	267
PRDM7	BRCA	HM_w	89	358	98	545	268
H2AFZ	BRCA	Others	181	69	294	544	269
RBBP7	BRCA	ChRC	123	272	149	544	270
HNF1A	BRCA	ChRC	285	108	145	538	271
AFF4	BRCA	Others	317	69	151	537	272
NCOR1	BRCA	ChRC	426	69	42	537	273
PRKAA2	BRCA	Others	88	280	166	534	274
PBRM1	BRCA	HA_r	302	188	42	532	275
TDRD1	BRCA	Others	236	69	227	532	276
GTF3C4	BRCA	HA_w	182	121	226	529	277
PADI3	BRCA	Others	280	138	107	525	278
TP53BP1	BRCA	Others	413	69	42	524	279
MBD5	BRCA	DM_r	323	69	128	520	280
DPY30	BRCA	Others	37	203	277	517	281
SFMBT1	BRCA	HM_r	239	119	159	517	282
ARID1B	BRCA	ChRC	405	69	42	516	283
PRDM2	BRCA	HM_w	338	133	42	513	284
PHF1	BRCA	HM_r	129	187	196	512	285

EZH1	BRCA	HM_w	186	283	42	511	286
MUM1	BRCA	Others	133	211	167	511	287
CBX5	BRCA	HM_r	150	110	250	510	288
DMAP1	BRCA	Others	65	257	188	510	289
EP400	BRCA	HA_w	398	69	42	509	290
KDM1A	BRCA	HM_e	175	102	231	508	291
HDAC7	BRCA	HA_e	223	104	179	506	292
KDM6A	BRCA	HM_e	395	69	42	506	293
SMARCB1	BRCA	Helicases	80	182	243	505	294
TAF1	BRCA	HA_r	394	69	42	505	295
EHMT1	BRCA	HM_w	393	69	42	504	296
FKBP1A	BRCA	Others	106	122	276	504	297
BRDT	BRCA	HA_r	229	177	96	502	298
MTA1	BRCA	ChRC	20	264	218	502	299
DPF2	BRCA	Others	146	313	42	501	300
NAP1L2	BRCA	Others	254	69	174	497	301
UBE2A	BRCA	Others	74	149	274	497	302
SP110	BRCA	HA_r	157	150	189	496	303
RAG2	BRCA	HM_r	86	308	101	495	304
SETD7	BRCA	HM_w	240	97	154	491	305
PHF21A	BRCA	HM_r	93	168	228	489	306
MORF4L1	BRCA	HM_r	171	275	42	488	307
SMARCD3	BRCA	Helicases	117	181	190	488	308
TDG	BRCA	ChRC	116	94	278	488	309
PRMT6	BRCA	HM_w	87	131	269	487	310
KDM3B	BRCA	HM_e	326	117	42	485	311
TDRD7	BRCA	Others	200	69	216	485	312
AICDA	BRCA	DM_e	40	344	100	484	313
SMYD1	BRCA	HM_w	297	95	92	484	314
HDAC3	BRCA	HA_e	58	109	314	481	315
WDR5	BRCA	ChRC	153	69	259	481	316
PHF11	BRCA	Others	128	310	42	480	317
PCGF1	BRCA	Others	97	106	271	474	318
BRD8	BRCA	HA_r	315	111	42	468	319
SMARCC2	BRCA	Helicases	333	93	42	468	320

HAT1	BRCA	HA_w	59	142	266	467	321
SIRT6	BRCA	HA_e	45	223	199	467	322
YY1	BRCA	ChRC	69	69	327	465	323
HELLS	BRCA	Helicases	141	103	220	464	324
UHRF2	BRCA	DM_r	72	350	42	464	325
CSTL1	BRCA	Others	148	219	94	461	326
HDGFL1	BRCA	Others	33	325	103	461	327
PADI6	BRCA	Others	215	136	110	461	328
SMARCD1	BRCA	Helicases	79	96	286	461	329
UHRF1	BRCA	DM_r	197	222	42	461	330
RPH3A	BRCA	Others	275	98	87	460	331
RAI1	BRCA	Others	242	69	146	457	332
HDAC8	BRCA	HA_e	179	69	208	456	333
IDH1	BRCA	DM_e	222	69	162	453	334
PRDM16	BRCA	HM_w	278	69	104	451	335
SP140	BRCA	HA_r	203	128	119	450	336
TRIM66	BRCA	HA_r	233	69	142	444	337
USP22	BRCA	Others	71	329	42	442	338
DNMT3L	BRCA	DM_w	109	247	85	441	339
PRDM8	BRCA	HM_w	162	164	114	440	340
RBBP4	BRCA	ChRC	210	185	42	437	341
INTS12	BRCA	Others	221	173	42	436	342
MBD1	BRCA	DM_r	324	69	42	435	343
ZCWPW2	BRCA	HM_r	196	69	170	435	344
SETDB2	BRCA	HM_w	84	307	42	433	345
UBR7	BRCA	Others	115	69	248	432	346
SMARCA5	BRCA	Helicases	238	151	42	431	347
UBE2E1	BRCA	Others	73	69	288	430	348
RING1	BRCA	Others	15	199	212	426	349
SMNDC1	BRCA	Others	44	114	264	422	350
IWS1	BRCA	Others	306	69	42	417	351
MTA3	BRCA	ChRC	134	241	42	417	352
KDM6B	BRCA	HM_e	137	172	105	414	353
ING5	BRCA	HM_r	54	229	130	413	354
NAP1L3	BRCA	Others	217	69	127	413	355

PRDM5	BRCA	HM_w	163	99	150	412	356
AIRE	BRCA	HM_r	68	237	106	411	357
SETD6	BRCA	HM_w	14	278	117	409	358
CXXC1	BRCA	Others	147	69	192	408	359
KAT5	BRCA	HA_w	52	311	42	405	360
MBD2	BRCA	DM_r	21	154	230	405	361
KDM4E	BRCA	HM_e	174	69	161	404	362
PADI1	BRCA	Others	169	140	93	402	363
FKBP2	BRCA	Others	62	175	164	401	364
PYGO1	BRCA	HM_r	125	69	206	400	365
RNF17	BRCA	Others	241	69	86	396	366
HSPBAP1	BRCA	Others	177	174	42	393	367
RNF20	BRCA	Others	276	69	42	387	368
ARID4A	BRCA	ChRC	194	146	42	382	369
KMT2D	BRCA	HM_w	23	116	241	380	370
SP140L	BRCA	HA_r	76	127	173	376	371
BRD1	BRCA	HA_r	264	69	42	375	372
ING3	BRCA	HM_r	55	157	156	368	373
KMT2B	BRCA	HM_w	25	300	42	367	374
TDRD3	BRCA	HM_r	201	69	97	367	375
GADD45A	BRCA	Others	36	193	134	363	376
PRDM12	BRCA	HM_w	49	134	178	361	377
RPS6KA5	BRCA	Others	160	69	132	361	378
SIRT4	BRCA	HA_e	46	130	183	359	379
PHF5A	BRCA	Others	18	100	238	356	380
KDM4D	BRCA	HM_e	98	69	185	352	381
PHF7	BRCA	Others	91	135	124	350	382
FBXO44	BRCA	Others	144	69	135	348	383
KDM7A	BRCA	HM_e	27	69	251	347	384
PCGF5	BRCA	Others	130	69	147	346	385
PHF21B	BRCA	HM_r	166	69	109	344	386
PHF6	BRCA	HM_r	126	167	42	335	387
KMT2A	BRCA	HM_w	26	190	115	331	388
MARCH5	BRCA	Others	173	107	42	322	389
SIRT1	BRCA	HA_e	83	197	42	322	390

HDAC10	BRCA	HA_e	104	69	139	312	391
PADI4	BRCA	Others	132	137	42	311	392
CBX7	BRCA	HM_r	66	123	118	307	393
DPF3	BRCA	HA_r	63	69	175	307	394
PHF10	BRCA	Others	19	69	217	305	395
JADE2	BRCA	Others	30	69	205	304	396
EPC2	BRCA	Others	187	69	42	298	397
GTF2H1	BRCA	Others	61	192	42	295	398
GTF2B	BRCA	Others	34	215	42	291	399
UBE2B	BRCA	Others	13	69	193	275	400
SETD3	BRCA	HM_w	159	69	42	270	401
JADE1	BRCA	Others	31	69	169	269	402
PWWP2B	BRCA	Others	16	69	184	269	403
KMT2C	BRCA	HM_w	24	69	172	265	404
USP27X	BRCA	Others	12	207	42	261	405
WDR82	BRCA	Others	70	148	42	260	406
GTF2F1	BRCA	Others	142	69	42	253	407
JADE3	BRCA	Others	29	69	152	250	408
CBX6	BRCA	HM_r	39	69	136	244	409
GADD45B	BRCA	Others	35	69	126	230	410
KMT2E	BRCA	HM_w	22	155	42	219	411
HIF1AN	BRCA	Others	102	69	42	213	412
PHF13	BRCA	Others	94	69	42	205	413
PRDM6	BRCA	HM_w	90	69	42	201	414
KDM5D	BRCA	HM_e	28	69	42	139	415
UTY	BRCA	HM_e	11	69	42	122	416
ASH1L	CECSC	HM_w	402	399	417	1218	1
ATR	CECSC	Others	372	422	424	1218	2
ASXL1	CECSC	Others	351	415	420	1186	3
SETDB1	CECSC	HM_w	375	378	421	1174	4
ACTL6A	CECSC	ChRC	321	424	426	1171	5
ATAD2	CECSC	HA_r	385	374	411	1170	6
FMR1	CECSC	Others	380	401	373	1154	7
DIDO1	CECSC	Others	408	324	415	1147	8
KMT2A	CECSC	HM_w	400	407	333	1140	9

PAF1	CECSC	Others	338	403	397	1138	10
CHD6	CECSC	Helicases	420	340	364	1124	11
CHD8	CECSC	Helicases	395	339	370	1104	12
CREBBP	CECSC	HA_w	423	325	354	1102	13
BPTF	CECSC	HA_r	413	342	336	1091	14
ARID4B	CECSC	ChRC	317	375	398	1090	15
PHF20	CECSC	HM_r	294	381	408	1083	16
PHF20L1	CECSC	HM_r	293	380	399	1072	17
EHMT2	CECSC	HM_w	347	358	356	1061	18
BRD1	CECSC	HA_r	274	373	404	1051	19
HLTF	CECSC	Others	210	423	418	1051	20
HCFC1	CECSC	Others	346	411	290	1047	21
MBD4	CECSC	DM_r	199	420	425	1044	22
MORF4L1	CECSC	HM_r	297	335	406	1038	23
HDGF	CECSC	Others	259	383	372	1014	24
KDM5B	CECSC	HM_e	363	269	381	1013	25
KDM2A	CECSC	HM_e	407	295	305	1007	26
ATAT1	CECSC	Others	275	388	342	1005	27
PRDM2	CECSC	HM_w	390	229	386	1005	28
KAT6A	CECSC	HA_w	344	336	321	1001	29
BRD9	CECSC	HA_r	155	421	423	999	30
SUPT16H	CECSC	Others	283	326	384	993	31
CHD7	CECSC	Helicases	419	277	294	990	32
TDRD10	CECSC	Others	282	389	310	981	33
MUM1	CECSC	Others	358	404	215	977	34
PRDM9	CECSC	HM_w	399	419	158	976	35
ATM	CECSC	Others	414	414	144	972	36
KMT2C	CECSC	HM_w	426	320	217	963	37
RTF1	CECSC	Others	329	223	409	961	38
PHC3	CECSC	ChRC	112	425	422	959	39
PHF3	CECSC	Others	291	317	350	958	40
TDRD5	CECSC	Others	281	312	359	952	41
CHRA1	CECSC	ChRC	149	385	410	944	42
NCOA1	CECSC	HA_w	296	291	355	942	43
INO80	CECSC	Helicases	368	238	322	928	44

PRMT5	CECSC	HM_w	241	315	371	927	45
GATAD2B	CECSC	HM_r	138	384	403	925	46
GLYR1	CECSC	HM_r	264	298	363	925	47
CHD1	CECSC	Helicases	370	251	295	916	48
BRPF3	CECSC	HA_r	310	254	341	905	49
PARP2	CECSC	Others	193	318	392	903	50
SP100	CECSC	HA_r	353	393	155	901	51
SMARCD2	CECSC	Helicases	176	347	376	899	52
EP400	CECSC	HA_w	418	201	277	896	53
SIRT2	CECSC	HA_e	85	402	405	892	54
JMJD6	CECSC	HM_e	206	370	314	890	55
ERCC5	CECSC	Others	220	300	369	889	56
MECP2	CECSC	DM_r	121	405	362	888	57
DAXX	CECSC	ChRC	221	249	416	886	58
PHRF1	CECSC	Others	335	174	377	886	59
SND1	CECSC	HM_r	398	220	268	886	60
KDM4B	CECSC	HM_e	365	352	164	881	61
CECR2	CECSC	HA_r	412	204	264	880	62
HDAC6	CECSC	HA_e	345	355	179	879	63
CHD1L	CECSC	Helicases	223	372	279	874	64
SMARCC2	CECSC	Helicases	354	221	298	873	65
BAZ2A	CECSC	HA_r	349	257	266	872	66
POLR2B	CECSC	Others	334	172	366	872	67
PHC2	CECSC	ChRC	392	232	246	870	68
ORC1	CECSC	Others	249	267	352	868	69
ASXL2	CECSC	Others	350	307	208	865	70
MBD3	CECSC	DM_r	253	406	206	865	71
TDRKH	CECSC	Others	74	376	413	863	72
DNMT3A	CECSC	DM_w	268	302	292	862	73
TRIM28	CECSC	HA_r	166	281	412	859	74
KDM5A	CECSC	HM_e	406	69	382	857	75
PRKAA1	CECSC	Others	32	418	407	857	76
BOP 1	CECSC	Others	68	398	388	854	77
KAT5	CECSC	HA_w	301	237	312	850	78
RSF1	CECSC	ChRC	289	330	231	850	79

MSL3	CESC	HA_w	196	366	286	848	80
PYG02	CESC	HM_r	29	400	419	848	81
DNMT3B	CESC	DM_w	63	409	374	846	82
HDAC4	CESC	HA_e	305	416	125	846	83
ATAD2B	CESC	HA_r	157	306	379	842	84
DPF3	CESC	HA_r	267	323	249	839	85
FBXO17	CESC	Others	59	412	368	839	86
ARID1A	CESC	ChRC	422	69	347	838	87
KAT7	CESC	HA_w	205	236	394	835	88
ATRX	CESC	Helicases	421	213	198	832	89
BRD3	CESC	HA_r	313	211	308	832	90
MSH6	CESC	HM_r	250	187	393	830	91
KDM4A	CESC	HM_e	299	270	258	827	92
BAZ2B	CESC	HA_r	383	256	186	825	93
EP300	CESC	HA_w	424	357	42	823	94
L3MBTL1	CESC	HM_r	200	319	304	823	95
KDM3A	CESC	HM_e	366	235	218	819	96
KMT2B	CESC	HM_w	377	397	42	816	97
KIAA2026	CESC	Others	405	368	42	815	98
TP53BP1	CESC	Others	403	218	189	810	99
PCMT1	CESC	Others	41	365	402	808	100
SMARCA4	CESC	Helicases	410	69	329	808	101
PHF13	CESC	Others	190	265	351	806	102
RNF2	CESC	ChRC	93	313	396	802	103
PHF12	CESC	Others	336	177	285	798	104
TRIM33	CESC	HA_r	279	156	357	792	105
PRDM16	CESC	HM_w	391	287	111	789	106
AEBP2	CESC	HM_w	229	216	343	788	107
CHD5	CESC	Helicases	382	278	128	788	108
RNF40	CESC	Others	330	69	389	788	109
MECOM	CESC	Others	198	426	163	787	110
DPF1	CESC	ChRC	62	408	316	786	111
IDH2	CESC	DM_e	50	382	353	785	112
DPY30	CESC	Others	144	301	339	784	113
EZH1	CESC	HM_w	369	69	346	784	114

KDM1B	CESC	HM_e	203	321	259	783	115
ZGPAT	CESC	Others	70	311	401	782	116
KDM4C	CESC	HM_e	364	369	42	775	117
ATF7IP	CESC	Others	373	214	187	774	118
NCOA3	CESC	HA_w	115	290	367	772	119
PRKAA2	CESC	Others	242	286	244	772	120
HIST1H1B	CESC	Others	379	271	115	765	121
CXXC1	CESC	Others	269	202	293	764	122
CBX1	CESC	HM_r	225	208	327	760	123
BRD4	CESC	HA_r	371	341	42	754	124
KANSL1	CESC	HA_w	302	69	383	754	125
SMARCA2	CESC	Helicases	325	69	360	754	126
SP140	CESC	HA_r	171	391	191	753	127
RNF17	CESC	Others	331	314	107	752	128
CBX3	CESC	HM_r	271	207	273	751	129
ING5	CESC	HM_r	208	410	133	751	130
BRWD1	CESC	HA_r	401	305	42	748	131
PADI3	CESC	Others	247	181	318	746	132
BAP1	CESC	Others	315	387	42	744	133
G2E3	CESC	Others	139	274	326	739	134
CHD2	CESC	Helicases	309	386	42	737	135
NSD1	CESC	HM_w	411	69	257	737	136
UBE2I	CESC	Others	278	69	390	737	137
ARID4A	CESC	ChRC	386	308	42	736	138
BRWD3	CESC	HA_r	416	69	250	735	139
NCOR1	CESC	ChRC	376	184	175	735	140
ZMYND8	CESC	HA_r	231	310	188	729	141
HDAC10	CESC	HA_e	135	371	221	727	142
RBBP5	CESC	ChRC	28	284	414	726	143
UHRF2	CESC	DM_r	323	361	42	726	144
CHD9	CESC	Helicases	348	250	127	725	145
SFMBT1	CESC	HM_r	355	328	42	725	146
L3MBTL4	CESC	Others	124	367	233	724	147
BMI1	CESC	ChRC	314	212	197	723	148
ZCWPW1	CESC	HM_r	232	280	209	721	149

ARID1B	CESC	ChRC	318	360	42	720	150
HSPBAP1	CESC	Others	257	417	42	716	151
DOT1L	CESC	HM_w	381	69	263	713	152
HR	CESC	HM_e	52	354	307	713	153
MLLT6	CESC	HM_w	251	268	194	713	154
PARP1	CESC	Others	337	69	302	708	155
TET3	CESC	DM_e	280	69	358	707	156
MBD5	CESC	DM_r	341	188	176	705	157
TAF1	CESC	HA_r	352	69	283	704	158
TCF19	CESC	Others	76	346	282	704	159
LBR	CESC	Others	254	69	378	701	160
SIRT6	CESC	HA_e	84	364	253	701	161
KAT6B	CESC	HA_w	367	191	141	699	162
SETD2	CESC	HM_w	328	329	42	699	163
MBTD1	CESC	Others	340	69	288	697	164
ING1	CESC	HM_r	209	322	165	696	165
KMT2E	CESC	HM_w	360	294	42	696	166
PRMT1	CESC	HM_w	101	263	331	695	167
DMAP1	CESC	Others	147	275	272	694	168
SCMH1	CESC	Others	238	222	230	690	169
KMT2D	CESC	HM_w	425	69	195	689	170
PHF1	CESC	HM_r	111	231	344	686	171
SMARCA1	CESC	Helicases	177	282	227	686	172
AFF1	CESC	Others	320	260	105	685	173
BAZ1B	CESC	HA_r	384	258	42	684	174
FXR2	CESC	Others	140	198	345	683	175
GTF3C4	CESC	HA_w	263	197	223	683	176
KDM2B	CESC	HM_e	343	69	271	683	177
FKBP1A	CESC	Others	218	69	395	682	178
GATAD2A	CESC	HM_r	56	299	325	680	179
HDAC1	CESC	HA_e	53	240	387	680	180
KDM6A	CESC	HM_e	361	69	247	677	181
TAF1L	CESC	HA_r	397	69	210	676	182
CHAF1A	CESC	ChRC	270	359	42	671	183
DPF2	CESC	Others	145	248	278	671	184

USP51	CECSC	Others	374	69	226	669	185
AFF4	CECSC	Others	228	215	225	668	186
RING1	CECSC	Others	94	224	349	667	187
SUV39H2	CECSC	HM_w	169	160	337	666	188
MTF2	CECSC	HM_r	118	186	361	665	189
CHAF1B	CECSC	ChRC	64	304	296	664	190
HDAC8	CECSC	HA_e	213	196	248	657	191
SP110	CECSC	HA_r	22	392	243	657	192
PHF11	CECSC	Others	110	395	151	656	193
SIN3A	CECSC	ChRC	287	327	42	656	194
NCOR2	CECSC	Others	393	69	193	655	195
SIN3B	CECSC	ChRC	286	69	300	655	196
FKBP2	CECSC	Others	217	199	238	654	197
JARID2	CECSC	ChRC	378	69	207	654	198
SMARCB1	CECSC	Helicases	284	69	299	652	199
SCML2	CECSC	HM_r	90	350	211	651	200
PRKCD	CECSC	Others	102	332	212	646	201
PADI1	CECSC	Others	248	183	214	645	202
PRDM5	CECSC	HM_w	243	228	172	643	203
TDRD12	CECSC	Others	75	377	190	642	204
MEN1	CECSC	ChRC	120	234	287	641	205
PRDM10	CECSC	HM_w	186	413	42	641	206
SETD4	CECSC	HM_w	26	283	330	639	207
KAT2A	CECSC	HA_w	256	69	313	638	208
NAP1L3	CECSC	Others	339	185	114	638	209
PADI2	CECSC	Others	295	182	161	638	210
EZH2	CECSC	HM_w	306	69	262	637	211
PRDM12	CECSC	HM_w	105	230	301	636	212
RAI1	CECSC	Others	332	170	132	634	213
SETD1A	CECSC	HM_w	180	69	385	634	214
CSTL1	CECSC	Others	148	303	182	633	215
CLOCK	CECSC	HA_w	222	276	134	632	216
SHPRH	CECSC	Others	237	349	42	628	217
CBX4	CECSC	HM_r	224	69	334	627	218
TDRD6	CECSC	Others	404	69	154	627	219

KDM7A	CECSC	HM_e	276	69	280	625	220
SMARCC1	CECSC	Helicases	235	348	42	625	221
CBX6	CECSC	HM_r	153	206	265	624	222
HDGFL1	CECSC	Others	131	273	219	623	223
FKBP5	CECSC	Others	141	244	237	622	224
PBRM1	CECSC	HA_r	246	334	42	622	225
BRD8	CECSC	HA_r	312	69	239	620	226
UHRF1	CECSC	DM_r	233	345	42	620	227
TCEA1	CECSC	Others	20	219	380	619	228
CHD3	CECSC	Helicases	409	69	135	613	229
SMYD3	CECSC	HM_w	80	363	170	613	230
GTF2B	CECSC	Others	55	242	315	612	231
SMARCD1	CECSC	Helicases	82	164	365	611	232
PHF14	CECSC	Others	189	176	245	610	233
TET1	CECSC	DM_e	388	69	153	610	234
PRMT7	CECSC	HM_w	184	171	254	609	235
H3F3A	CECSC	Others	215	69	323	607	236
PRDM11	CECSC	HM_w	333	69	204	606	237
HDAC7	CECSC	HA_e	132	239	234	605	238
ARID2	CECSC	ChRC	387	69	145	601	239
HAT1	CECSC	HA_w	262	297	42	601	240
SFMBT2	CECSC	Others	288	166	147	601	241
CHD4	CECSC	Helicases	415	69	116	600	242
POLE3	CECSC	ChRC	36	173	391	600	243
TET2	CECSC	DM_e	324	157	119	600	244
SETMAR	CECSC	HM_w	326	69	202	597	245
SIRT5	CECSC	HA_e	178	69	348	595	246
BRD7	CECSC	HA_r	273	210	104	587	247
TDRD1	CECSC	Others	389	69	129	587	248
BRDT	CECSC	HA_r	272	209	102	583	249
BAZ1A	CECSC	HA_r	156	259	166	581	250
FBXL19	CECSC	Others	219	69	291	579	251
HDAC9	CECSC	HA_e	260	195	124	579	252
PRDM13	CECSC	HM_w	35	289	255	579	253
SETDB2	CECSC	HM_w	86	394	93	573	254

ACTL6B	CESC	ChRC	160	309	103	572	255
KDM1A	CESC	HM_e	204	190	177	571	256
KDM5C	CESC	HM_e	362	69	140	571	257
TDRD3	CESC	HM_r	167	362	42	571	258
PHC1	CESC	ChRC	245	69	256	570	259
MTA1	CESC	ChRC	195	69	303	567	260
RAG2	CESC	HM_r	97	331	138	566	261
PHF7	CESC	Others	37	379	149	565	262
PYGO1	CESC	HM_r	98	261	203	562	263
UBE2A	CESC	Others	15	217	328	560	264
CARM1	CESC	HM_w	154	69	335	558	265
FBXW9	CESC	Others	265	69	224	558	266
ZCWPW2	CESC	HM_r	162	279	117	558	267
SETD3	CESC	HM_w	88	69	400	557	268
SIRT4	CESC	HA_e	285	69	201	555	269
SMARCE1	CESC	Helicases	174	69	311	554	270
CTCF	CESC	Others	308	203	42	553	271
MBD1	CESC	DM_r	45	189	319	553	272
ASXL3	CESC	Others	316	69	167	552	273
PRDM14	CESC	HM_w	104	288	159	551	274
HDAC3	CESC	HA_e	261	69	220	550	275
PHF10	CESC	Others	40	396	113	549	276
KDM4D	CESC	HM_e	202	69	276	547	277
KAT2B	CESC	HA_w	126	296	122	544	278
PSIP1	CESC	HM_r	240	262	42	544	279
CBX7	CESC	HM_r	152	205	184	541	280
HIST1H1C	CESC	Others	211	69	261	541	281
KDM8	CESC	HM_e	201	69	270	540	282
RBBP7	CESC	ChRC	95	351	94	540	283
JADE3	CESC	Others	230	69	240	539	284
IWS1	CESC	Others	304	192	42	538	285
PHF8	CESC	Others	357	69	112	538	286
JADE1	CESC	Others	322	69	146	537	287
CDYL	CESC	HM_r	150	69	317	536	288
GADD45A	CESC	Others	57	243	236	536	289

GTF2F1	CECSC	Others	137	356	42	535	290
MPHOSPH8	CECSC	HM_r	197	293	42	532	291
GTF2H1	CECSC	Others	136	69	324	529	292
L3MBTL3	CECSC	Others	359	69	101	529	293
PRDM7	CECSC	HM_w	103	316	110	529	294
SRCAP	CECSC	Others	417	69	42	528	295
HIRA	CECSC	Others	212	272	42	526	296
RPS6KA5	CECSC	Others	182	69	274	525	297
BRD2	CECSC	HA_r	226	255	42	523	298
KDM6B	CECSC	HM_e	342	69	109	520	299
H2AFZ	CECSC	Others	54	241	222	517	300
JADE2	CECSC	Others	277	69	169	515	301
PCGF1	CECSC	Others	114	69	332	515	302
RPH3A	CECSC	Others	356	69	90	515	303
KAT8	CECSC	HA_w	125	69	320	514	304
PCGF2	CECSC	Others	42	266	205	513	305
NAP1L2	CECSC	Others	116	233	162	511	306
PHF21A	CECSC	HM_r	292	69	150	511	307
SP140L	CECSC	HA_r	21	390	99	510	308
EPC1	CECSC	Others	266	200	42	508	309
TCF20	CECSC	Others	396	69	42	507	310
EHMT1	CECSC	HM_w	394	69	42	505	311
CBX5	CECSC	HM_r	66	253	185	504	312
HELLS	CECSC	Helicases	130	194	178	502	313
ING4	CECSC	HM_r	127	69	306	502	314
CDYL2	CECSC	HM_r	65	252	183	500	315
AKAP1	CECSC	Others	159	69	267	495	316
JMJD1C	CECSC	HM_e	303	69	123	495	317
ELP3	CECSC	HA_w	60	338	96	494	318
PPARGC1A	CECSC	Others	107	264	121	492	319
AIRE	CECSC	HM_r	319	69	98	486	320
HNF1A	CECSC	ChRC	128	69	289	486	321
PRDM4	CECSC	HM_w	185	69	232	486	322
SMYD5	CECSC	HM_w	79	69	338	486	323
TDRD7	CECSC	Others	18	158	309	485	324

FBXO44	CESC	Others	58	245	181	484	325
PHF6	CESC	HM_r	108	333	42	483	326
SETD6	CESC	HM_w	87	167	228	482	327
IDH1	CESC	DM_e	51	337	92	480	328
RPA3	CESC	Others	27	168	284	479	329
CBX2	CESC	ChRC	67	69	340	476	330
USP22	CESC	Others	164	69	241	474	331
SMYD1	CESC	HM_w	173	163	136	472	332
GADD45B	CESC	Others	216	69	180	465	333
KDM4E	CESC	HM_e	298	69	95	462	334
STK31	CESC	Others	170	161	131	462	335
NAP1L1	CESC	Others	117	69	275	461	336
TAF3	CESC	HA_r	168	159	130	457	337
WDR82	CESC	Others	71	343	42	456	338
WDR5	CESC	ChRC	11	69	375	455	339
PRDM8	CESC	HM_w	33	226	192	451	340
ING2	CESC	HM_r	49	353	42	444	341
SMARCD3	CESC	Helicases	175	69	200	444	342
INTS12	CESC	Others	207	193	42	442	343
AURKB	CESC	Others	227	69	143	439	344
SETD5	CESC	HM_w	327	69	42	438	345
HDAC5	CESC	HA_e	133	69	235	437	346
PRMT6	CESC	HM_w	99	69	269	437	347
ELP4	CESC	HA_w	143	247	42	432	348
PHF21B	CESC	HM_r	188	69	174	431	349
EPC2	CESC	Others	142	246	42	430	350
PHF19	CESC	HM_r	39	175	213	427	351
PRMT2	CESC	HM_w	100	285	42	427	352
UBE2B	CESC	Others	72	155	199	426	353
TRIM24	CESC	HA_r	73	69	281	423	354
BRPF1	CESC	HA_r	311	69	42	422	355
SCML4	CESC	Others	181	69	171	421	356
DNMT1	CESC	DM_w	307	69	42	418	357
PADI4	CESC	Others	194	180	42	416	358
RNF217	CESC	Others	239	69	106	414	359

KDM3B	CESC	HM_e	300	69	42	411	360
MTA2	CESC	ChRC	119	69	216	404	361
SIRT7	CESC	HA_e	83	69	252	404	362
PRDM15	CESC	HM_w	290	69	42	401	363
USP27X	CESC	Others	13	344	42	399	364
SUV39H1	CESC	HM_w	78	69	251	398	365
SETD1B	CESC	HM_w	89	69	229	387	366
TDRD9	CESC	Others	17	69	297	383	367
MTA3	CESC	ChRC	44	292	42	378	368
JMJD8	CESC	HM_e	47	69	260	376	369
SMYD4	CESC	HM_w	172	162	42	376	370
CBX8	CESC	ChRC	151	69	152	372	371
HIF1AN	CESC	Others	258	69	42	369	372
PCGF5	CESC	Others	191	69	108	368	373
L3MBTL2	CESC	Others	255	69	42	366	374
MLLT10	CESC	HM_w	252	69	42	363	375
RBBP4	CESC	ChRC	96	225	42	363	376
PHF2	CESC	Others	244	69	42	355	377
PRMT8	CESC	HM_w	183	69	100	352	378
PHF23	CESC	HM_r	109	69	173	351	379
SMARCA5	CESC	Helicases	236	69	42	347	380
SIRT3	CESC	HA_e	24	165	156	345	381
SSRP1	CESC	Others	234	69	42	345	382
HIST1H3B	CESC	Others	129	69	142	340	383
PRDM1	CESC	HM_w	106	69	160	335	384
PCGF6	CESC	Others	113	178	42	333	385
MBD2	CESC	DM_r	122	69	139	330	386
TDG	CESC	ChRC	19	69	242	330	387
HDAC11	CESC	HA_e	134	69	126	329	388
HDAC2	CESC	HA_e	214	69	42	325	389
ING3	CESC	HM_r	48	69	196	313	390
PADI6	CESC	Others	43	179	91	313	391
DNMT3L	CESC	DM_w	146	69	97	312	392
AICDA	CESC	DM_e	69	69	168	306	393
PAXIP1	CESC	Others	192	69	42	303	394

PRDM6	CECSC	HM_w	34	227	42	303	395
RNF20	CECSC	Others	92	169	42	303	396
PHIP	CECSC	HA_r	187	69	42	298	397
SATB1	CECSC	Others	91	69	137	297	398
SIRT1	CECSC	HA_e	179	69	42	290	399
UBE2E1	CECSC	Others	165	69	42	276	400
YY1	CECSC	ChRC	163	69	42	274	401
ZMYND11	CECSC	HA_r	161	69	42	272	402
ASH2L	CECSC	HM_w	158	69	42	269	403
PWWP2B	CECSC	Others	30	69	157	256	404
SETD7	CECSC	HM_w	25	69	148	242	405
MARCH5	CECSC	Others	123	69	42	234	406
SMYD2	CECSC	HM_w	23	69	120	212	407
TRIM66	CECSC	HA_r	16	69	118	203	408
SMNDC1	CECSC	Others	81	69	42	192	409
SUZ12	CECSC	ChRC	77	69	42	188	410
EED	CECSC	ChRC	61	69	42	172	411
KDM5D	CECSC	HM_e	46	69	42	157	412
PHF5A	CECSC	Others	38	69	42	149	413
PRMT3	CECSC	HM_w	31	69	42	142	414
UBR7	CECSC	Others	14	69	42	125	415
UTY	CECSC	HM_e	12	69	42	123	416
CHD1L	CHOL	Helicases	403	418	399	1220	1
ASH1L	CHOL	HM_w	368	426	422	1216	2
HDGF	CHOL	Others	397	424	385	1206	3
ARID4B	CHOL	ChRC	369	419	415	1203	4
PHF20L1	CHOL	HM_r	388	405	405	1198	5
AFF4	CHOL	Others	415	386	377	1178	6
LBR	CHOL	Others	320	415	418	1153	7
BRD9	CHOL	HA_r	359	378	413	1150	8
CTCF	CHOL	Others	348	365	412	1125	9
SMYD2	CHOL	HM_w	293	411	416	1120	10
KMT2D	CHOL	HM_w	413	337	362	1112	11
PRDM9	CHOL	HM_w	384	314	404	1102	12
JMJD1C	CHOL	HM_e	331	403	364	1098	13

CHD3	CHOL	Helicases	353	369	373	1095	14
GATAD2B	CHOL	HM_r	212	425	421	1058	15
BOP 1	CHOL	Others	260	407	389	1056	16
AKAP1	CHOL	Others	371	384	297	1052	17
ATF7IP	CHOL	Others	363	382	294	1039	18
ATAT1	CHOL	Others	268	404	341	1013	19
BRD8	CHOL	HA_r	256	379	375	1010	20
KDM5B	CHOL	HM_e	165	416	424	1005	21
TDRD10	CHOL	Others	282	421	300	1003	22
ATAD2	CHOL	HA_r	365	408	222	995	23
ZCWPW1	CHOL	HM_r	373	390	227	990	24
AICDA	CHOL	DM_e	372	385	224	981	25
CREBBP	CHOL	HA_w	240	366	372	978	26
GLYR1	CHOL	HM_r	211	353	408	972	27
DAXX	CHOL	ChRC	401	364	206	971	28
FXR2	CHOL	Others	216	354	398	968	29
CBX8	CHOL	ChRC	246	373	339	958	30
CDYL2	CHOL	HM_r	244	371	338	953	31
PARP1	CHOL	Others	130	414	397	941	32
CECR2	CHOL	HA_r	356	370	212	938	33
PRMT7	CHOL	HM_w	382	312	240	934	34
DPF1	CHOL	ChRC	234	363	336	933	35
BPTF	CHOL	HA_r	259	381	292	932	36
CHD4	CHOL	Helicases	352	368	209	929	37
RBBP5	CHOL	ChRC	84	413	426	923	38
CBX2	CHOL	ChRC	252	376	290	918	39
CBX5	CHOL	HM_r	249	374	289	912	40
HDGFL1	CHOL	Others	196	350	366	912	41
CDYL	CHOL	HM_r	245	372	287	904	42
SETDB1	CHOL	HM_w	65	412	425	902	43
H3F3A	CHOL	Others	206	417	275	898	44
MUM1	CHOL	Others	317	329	250	896	45
ING4	CHOL	HM_r	184	345	365	894	46
KDM3B	CHOL	HM_e	168	339	384	891	47
ACTL6B	CHOL	ChRC	275	388	226	889	48

HDAC3	CHOL	HA_e	199	351	333	883	49
PHC3	CHOL	ChRC	312	324	242	878	50
INTS12	CHOL	Others	395	69	411	875	51
TDRD5	CHOL	Others	34	420	420	874	52
KDM2A	CHOL	HM_e	169	340	363	872	53
ELP3	CHOL	HA_w	229	361	281	871	54
HIST1H3B	CHOL	Others	191	347	330	868	55
PHF3	CHOL	Others	387	69	410	866	56
ERCC5	CHOL	Others	226	359	278	863	57
PYGO2	CHOL	HM_r	88	423	351	862	58
DOT1L	CHOL	HM_w	400	69	388	857	59
SMYD3	CHOL	HM_w	46	410	395	851	60
FKBP5	CHOL	Others	218	355	276	849	61
JMJD6	CHOL	HM_e	179	343	326	848	62
ARID1A	CHOL	ChRC	422	383	42	847	63
BRD7	CHOL	HA_r	360	69	414	843	64
TDRKH	CHOL	Others	32	409	402	843	65
CBX4	CHOL	HM_r	250	375	214	839	66
PRMT8	CHOL	HM_w	91	394	353	838	67
BRD2	CHOL	HA_r	407	380	42	829	68
CHD8	CHOL	Helicases	350	69	409	828	69
PADI6	CHOL	Others	389	397	42	828	70
SRCAP	CHOL	Others	408	69	346	823	71
PAF1	CHOL	Others	131	327	360	818	72
IDH1	CHOL	DM_e	418	69	329	816	73
HIST1H1B	CHOL	Others	193	349	271	813	74
CHD5	CHOL	Helicases	402	367	42	811	75
HIST1H1C	CHOL	Others	192	348	270	810	76
PRDM4	CHOL	HM_w	385	69	356	810	77
MECOM	CHOL	Others	149	335	324	808	78
HR	CHOL	HM_e	188	346	269	803	79
KDM4A	CHOL	HM_e	326	69	407	802	80
EP300	CHOL	HA_w	399	360	42	801	81
MLLT6	CHOL	HM_w	145	333	322	800	82
NCOA3	CHOL	HA_w	411	69	320	800	83

HDAC4	CHOL	HA_e	398	69	332	799	84
PRKAA1	CHOL	Others	96	313	382	791	85
JADE2	CHOL	Others	394	69	327	790	86
PHF5A	CHOL	Others	112	320	358	790	87
FBXO17	CHOL	Others	223	358	202	783	88
SMARCA5	CHOL	Helicases	409	69	305	783	89
NCOR1	CHOL	ChRC	410	328	42	780	90
NCOR2	CHOL	Others	391	69	319	779	91
ASXL3	CHOL	Others	366	69	342	777	92
NSD1	CHOL	HM_w	390	69	318	777	93
FKBP2	CHOL	Others	219	356	201	776	94
EP400	CHOL	HA_w	425	69	279	773	95
PRDM7	CHOL	HM_w	98	316	355	769	96
KAT6B	CHOL	HA_w	174	402	190	766	97
CHD1	CHOL	Helicases	404	69	286	759	98
SETD7	CHOL	HM_w	299	307	153	759	99
PADI2	CHOL	Others	315	400	42	757	100
DMAP1	CHOL	Others	346	69	337	752	101
SIRT7	CHOL	HA_e	53	392	306	751	102
EHMT2	CHOL	HM_w	343	362	42	747	103
EPC1	CHOL	Others	342	69	335	746	104
EZH2	CHOL	HM_w	341	69	334	744	105
RNF2	CHOL	ChRC	80	422	239	741	106
ARID4A	CHOL	ChRC	271	69	400	740	107
HDAC9	CHOL	HA_e	336	69	331	736	108
MECP2	CHOL	DM_r	148	334	254	736	109
ARID2	CHOL	ChRC	370	69	296	735	110
IDH2	CHOL	DM_e	396	69	268	733	111
PAXIP1	CHOL	Others	417	69	247	733	112
NAP1L1	CHOL	Others	412	69	249	730	113
KDM4B	CHOL	HM_e	393	69	264	726	114
BAZ1A	CHOL	HA_r	265	69	391	725	115
KAT2A	CHOL	HA_w	330	69	325	724	116
PRDM8	CHOL	HM_w	97	315	311	723	117
UBE2B	CHOL	Others	25	297	401	723	118

MTA2	CHOL	ChRC	140	331	251	722	119
TET1	CHOL	DM_e	31	391	299	721	120
BMI1	CHOL	ChRC	261	69	390	720	121
TAF1L	CHOL	HA_r	376	302	42	720	122
TDRD12	CHOL	Others	281	299	136	716	123
ATM	CHOL	Others	420	69	221	710	124
BAZ2A	CHOL	HA_r	263	69	376	708	125
USP22	CHOL	Others	20	296	392	708	126
ACTL6A	CHOL	ChRC	276	389	42	707	127
CHD6	CHOL	Helicases	351	69	285	705	128
AEBP2	CHOL	HM_w	274	387	42	703	129
KMT2B	CHOL	HM_w	322	338	42	702	130
ORC1	CHOL	Others	316	69	317	702	131
DIDO1	CHOL	Others	347	69	284	700	132
KDM1B	CHOL	HM_e	170	341	189	700	133
PARP2	CHOL	Others	314	69	316	699	134
CBX1	CHOL	HM_r	253	69	374	696	135
CHD7	CHOL	Helicases	419	69	208	696	136
PHC1	CHOL	ChRC	125	325	244	694	137
TRIM33	CHOL	HA_r	278	69	345	692	138
CHRA1	CHOL	ChRC	242	406	42	690	139
BRWD3	CHOL	HA_r	405	69	215	689	140
EHMT1	CHOL	HM_w	230	69	387	686	141
ASXL1	CHOL	Others	270	69	343	682	142
CSTL1	CHOL	Others	239	69	371	679	143
HIRA	CHOL	Others	335	69	272	676	144
BRPF3	CHOL	HA_r	255	377	42	674	145
TET3	CHOL	DM_e	375	69	230	674	146
SIRT2	CHOL	HA_e	58	306	309	673	147
BAZ2B	CHOL	HA_r	262	69	340	671	148
KDM6B	CHOL	HM_e	414	69	185	668	149
SIRT5	CHOL	HA_e	55	304	308	667	150
EPC2	CHOL	Others	227	69	370	666	151
SND1	CHOL	HM_r	291	69	303	663	152
FBXL19	CHOL	Others	224	69	369	662	153

HDAC1	CHOL	HA_e	203	69	386	658	154
FKBP1A	CHOL	Others	220	69	368	657	155
KDM4C	CHOL	HM_e	325	69	263	657	156
STK31	CHOL	Others	286	69	302	657	157
TAF3	CHOL	HA_r	284	69	301	654	158
ATR	CHOL	Others	362	69	220	651	159
KMT2E	CHOL	HM_w	321	69	259	649	160
MBD5	CHOL	DM_r	319	69	256	644	161
BRDT	CHOL	HA_r	358	69	216	643	162
MPHOSPH8	CHOL	HM_r	318	69	252	639	163
SMARCD2	CHOL	Helicases	294	303	42	639	164
ASXL2	CHOL	Others	269	69	295	633	165
CHD2	CHOL	Helicases	354	69	210	633	166
HDAC8	CHOL	HA_e	197	69	367	633	167
PCGF2	CHOL	Others	128	326	178	632	168
MBD1	CHOL	DM_r	154	69	406	629	169
AURKB	CHOL	Others	266	69	293	628	170
PCGF5	CHOL	Others	313	69	245	627	171
PHF1	CHOL	HM_r	123	323	176	622	172
FBXO44	CHOL	Others	222	357	42	621	173
DPF3	CHOL	HA_r	344	69	205	618	174
PRDM13	CHOL	HM_w	308	69	241	618	175
PHF12	CHOL	Others	120	322	174	616	176
PRMT3	CHOL	HM_w	383	69	164	616	177
CARM1	CHOL	HM_w	254	69	291	614	178
RPH3A	CHOL	Others	302	69	238	609	179
GATAD2A	CHOL	HM_r	340	69	198	607	180
CBX6	CHOL	HM_r	248	69	288	605	181
GTF3C4	CHOL	HA_w	339	69	197	605	182
SETD1B	CHOL	HM_w	381	69	155	605	183
SFMBT2	CHOL	Others	298	69	237	604	184
HDAC5	CHOL	HA_e	338	69	195	602	185
HDAC6	CHOL	HA_e	337	69	194	600	186
SMARCD1	CHOL	Helicases	295	69	235	599	187
HCFC1	CHOL	Others	204	352	42	598	188

SIRT3	CHOL	HA_e	57	305	236	598	189
SMARCA4	CHOL	Helicases	378	69	148	595	190
IWS1	CHOL	Others	332	69	191	592	191
MTF2	CHOL	HM_r	138	69	383	590	192
L3MBTL1	CHOL	HM_r	159	69	361	589	193
DNMT3B	CHOL	DM_w	236	69	283	588	194
DNMT3L	CHOL	DM_w	235	69	282	586	195
KDM2B	CHOL	HM_e	328	69	188	585	196
TDRD6	CHOL	Others	280	69	232	581	197
ING5	CHOL	HM_r	183	69	328	580	198
TDRD9	CHOL	Others	279	69	231	579	199
ELP4	CHOL	HA_w	228	69	280	577	200
PADI1	CHOL	Others	134	401	42	577	201
PADI3	CHOL	Others	133	399	42	574	202
PADI4	CHOL	Others	132	398	42	572	203
TCF19	CHOL	Others	38	301	233	572	204
AFF1	CHOL	Others	273	69	225	567	205
FBXW9	CHOL	Others	221	69	277	567	206
JARID2	CHOL	ChRC	180	344	42	566	207
PRMT2	CHOL	HM_w	94	69	403	566	208
AIRE	CHOL	HM_r	272	69	223	564	209
PHF10	CHOL	Others	122	396	42	560	210
RAI1	CHOL	Others	86	311	162	559	211
ATRX	CHOL	Helicases	267	69	219	555	212
KDM1A	CHOL	HM_e	171	342	42	555	213
PCGF6	CHOL	Others	127	69	359	555	214
SETD4	CHOL	HM_w	68	69	417	554	215
TRIM66	CHOL	HA_r	27	298	228	553	216
PHF21A	CHOL	HM_r	311	69	172	552	217
BAZ1B	CHOL	HA_r	264	69	218	551	218
HDAC10	CHOL	HA_e	202	69	274	545	219
BRD3	CHOL	HA_r	258	69	217	544	220
RNF20	CHOL	Others	79	69	396	544	221
PRDM15	CHOL	HM_w	307	69	167	543	222
HDAC2	CHOL	HA_e	200	69	273	542	223

MEN1	CHOL	ChRC	147	69	323	539	224
PRKAA2	CHOL	Others	305	69	165	539	225
BAP1	CHOL	Others	426	69	42	537	226
PRDM2	CHOL	HM_w	100	395	42	537	227
L3MBTL2	CHOL	Others	158	336	42	536	228
SCML4	CHOL	Others	71	308	157	536	229
PBRM1	CHOL	HA_r	424	69	42	535	230
KMT2C	CHOL	HM_w	423	69	42	534	231
ARID1B	CHOL	ChRC	421	69	42	532	232
POLR2B	CHOL	Others	106	69	357	532	233
RNF17	CHOL	Others	81	69	381	531	234
SUPT16H	CHOL	Others	43	69	419	531	235
CBX7	CHOL	HM_r	247	69	213	529	236
TP53BP1	CHOL	Others	416	69	42	527	237
NCOA1	CHOL	HA_w	135	69	321	525	238
CHAF1B	CHOL	ChRC	243	69	211	523	239
JADE1	CHOL	Others	182	69	267	518	240
PRMT1	CHOL	HM_w	95	69	354	518	241
SETD3	CHOL	HM_w	69	69	380	518	242
BRWD1	CHOL	HA_r	406	69	42	517	243
MTA1	CHOL	ChRC	141	332	42	515	244
CXXC1	CHOL	Others	238	69	207	514	245
JMJD8	CHOL	HM_e	178	69	266	513	246
MTA3	CHOL	ChRC	139	330	42	511	247
PYGO1	CHOL	HM_r	89	69	352	510	248
SIN3A	CHOL	ChRC	61	69	379	509	249
SMYD4	CHOL	HM_w	292	69	146	507	250
KAT8	CHOL	HA_w	172	69	265	506	251
YY1	CHOL	ChRC	14	69	423	506	252
EED	CHOL	ChRC	231	69	204	504	253
RBBP4	CHOL	ChRC	85	69	350	504	254
KMT2A	CHOL	HM_w	392	69	42	503	255
SP100	CHOL	HA_r	290	69	144	503	256
PHF2	CHOL	Others	116	69	315	500	257
SP140	CHOL	HA_r	289	69	142	500	258

KDM4D	CHOL	HM_e	167	69	262	498	259
PHF20	CHOL	HM_r	115	69	314	498	260
SP140L	CHOL	HA_r	288	69	141	498	261
TDRD3	CHOL	HM_r	35	69	394	498	262
EZH1	CHOL	HM_w	225	69	203	497	263
PHIP	CHOL	HA_r	386	69	42	497	264
SSRP1	CHOL	Others	287	69	140	496	265
PHF23	CHOL	HM_r	113	69	313	495	266
RPA3	CHOL	Others	76	69	349	494	267
SIRT1	CHOL	HA_e	59	393	42	494	268
KDM7A	CHOL	HM_e	161	69	261	491	269
SETD2	CHOL	HM_w	380	69	42	491	270
SHPRH	CHOL	Others	379	69	42	490	271
KDM8	CHOL	HM_e	160	69	260	489	272
SMARCC1	CHOL	Helicases	377	69	42	488	273
UBE2A	CHOL	Others	26	69	393	488	274
PPARGC1A	CHOL	Others	105	69	312	486	275
UHRF1	CHOL	DM_r	374	69	42	485	276
GADD45A	CHOL	Others	214	69	200	483	277
TDRD1	CHOL	Others	36	69	378	483	278
PHF13	CHOL	Others	119	321	42	482	279
GADD45B	CHOL	Others	213	69	199	481	280
MBD3	CHOL	DM_r	152	69	258	479	281
ASH2L	CHOL	HM_w	367	69	42	478	282
MBD4	CHOL	DM_r	151	69	257	477	283
ATAD2B	CHOL	HA_r	364	69	42	475	284
MBTD1	CHOL	Others	150	69	255	474	285
BRD1	CHOL	HA_r	361	69	42	472	286
HAT1	CHOL	HA_w	205	69	196	470	287
PHRF1	CHOL	Others	108	319	42	469	288
BRPF1	CHOL	HA_r	357	69	42	468	289
CHAF1A	CHOL	ChRC	355	69	42	466	290
MORF4L1	CHOL	HM_r	144	69	253	466	291
SMNDC1	CHOL	Others	48	69	348	465	292
SMYD1	CHOL	HM_w	47	69	347	463	293

PRDM14	CHOL	HM_w	102	318	42	462	294
CHD9	CHOL	Helicases	349	69	42	460	295
PRDM16	CHOL	HM_w	101	317	42	460	296
HELLS	CHOL	Helicases	195	69	193	457	297
DNMT1	CHOL	DM_w	345	69	42	456	298
RNF40	CHOL	Others	77	69	310	456	299
NAP1L3	CHOL	Others	136	69	248	453	300
HNF1A	CHOL	ChRC	189	69	192	450	301
HSPBAP1	CHOL	Others	334	69	42	445	302
INO80	CHOL	Helicases	333	69	42	444	303
PCGF1	CHOL	Others	129	69	246	444	304
KAT6A	CHOL	HA_w	329	69	42	440	305
KDM3A	CHOL	HM_e	327	69	42	438	306
ZMYND8	CHOL	HA_r	11	295	132	438	307
PHC2	CHOL	ChRC	124	69	243	436	308
KDM5A	CHOL	HM_e	324	69	42	435	309
KIAA2026	CHOL	Others	323	69	42	434	310
RING1	CHOL	Others	82	310	42	434	311
SIRT6	CHOL	HA_e	54	69	307	430	312
WDR5	CHOL	ChRC	16	69	344	429	313
SCMH1	CHOL	Others	73	309	42	424	314
KDM4E	CHOL	HM_e	166	69	187	422	315
SMARCE1	CHOL	Helicases	49	69	304	422	316
PRDM1	CHOL	HM_w	310	69	42	421	317
PRDM10	CHOL	HM_w	309	69	42	420	318
KDM6A	CHOL	HM_e	162	69	186	417	319
PRDM6	CHOL	HM_w	306	69	42	417	320
PRKCD	CHOL	Others	304	69	42	415	321
PSIP1	CHOL	HM_r	303	69	42	414	322
RTF1	CHOL	Others	301	69	42	412	323
SATB1	CHOL	Others	300	69	42	411	324
L3MBTL3	CHOL	Others	157	69	184	410	325
L3MBTL4	CHOL	Others	156	69	183	408	326
SMARCA2	CHOL	Helicases	297	69	42	408	327
SMARCC2	CHOL	Helicases	296	69	42	407	328

MBD2	CHOL	DM_r	153	69	182	404	329
MLLT10	CHOL	HM_w	146	69	181	396	330
TAF1	CHOL	HA_r	285	69	42	396	331
TDG	CHOL	ChRC	283	69	42	394	332
MSL3	CHOL	HA_w	142	69	180	391	333
UBR7	CHOL	Others	22	69	298	389	334
ZCWPW2	CHOL	HM_r	277	69	42	388	335
NAP1L2	CHOL	Others	137	69	179	385	336
TCF20	CHOL	Others	37	300	42	379	337
PCMT1	CHOL	Others	126	69	177	372	338
BRD4	CHOL	HA_r	257	69	42	368	339
PHF11	CHOL	Others	121	69	175	365	340
CBX3	CHOL	HM_r	251	69	42	362	341
PHF19	CHOL	HM_r	117	69	173	359	342
PHF21B	CHOL	HM_r	114	69	171	354	343
SMARCD3	CHOL	Helicases	50	69	234	353	344
CLOCK	CHOL	HA_w	241	69	42	352	345
DNMT3A	CHOL	DM_w	237	69	42	348	346
PHF8	CHOL	Others	109	69	170	348	347
DPF2	CHOL	Others	233	69	42	344	348
DPY30	CHOL	Others	232	69	42	343	349
PRDM11	CHOL	HM_w	104	69	169	342	350
PRDM12	CHOL	HM_w	103	69	168	340	351
PRDM5	CHOL	HM_w	99	69	166	334	352
FMR1	CHOL	Others	217	69	42	328	353
TRIM24	CHOL	HA_r	29	69	229	327	354
G2E3	CHOL	Others	215	69	42	326	355
PWWP2B	CHOL	Others	90	69	163	322	356
GTF2B	CHOL	Others	210	69	42	321	357
GTF2F1	CHOL	Others	209	69	42	320	358
GTF2H1	CHOL	Others	208	69	42	319	359
H2AFZ	CHOL	Others	207	69	42	318	360
RBBP7	CHOL	ChRC	83	69	161	313	361
HDAC11	CHOL	HA_e	201	69	42	312	362
HDAC7	CHOL	HA_e	198	69	42	309	363

RNF217	CHOL	Others	78	69	160	307	364
HIF1AN	CHOL	Others	194	69	42	305	365
RPS6KA5	CHOL	Others	75	69	159	303	366
HLTF	CHOL	Others	190	69	42	301	367
SCML2	CHOL	HM_r	72	69	158	299	368
ING1	CHOL	HM_r	187	69	42	298	369
ING2	CHOL	HM_r	186	69	42	297	370
ING3	CHOL	HM_r	185	69	42	296	371
SETD1A	CHOL	HM_w	70	69	156	295	372
JADE3	CHOL	Others	181	69	42	292	373
SETD6	CHOL	HM_w	66	69	154	289	374
KANSL1	CHOL	HA_w	177	69	42	288	375
KAT2B	CHOL	HA_w	176	69	42	287	376
KAT5	CHOL	HA_w	175	69	42	286	377
SETDB2	CHOL	HM_w	64	69	152	285	378
KAT7	CHOL	HA_w	173	69	42	284	379
SIN3B	CHOL	ChRC	60	69	151	280	380
KDM5C	CHOL	HM_e	164	69	42	275	381
SIRT4	CHOL	HA_e	56	69	150	275	382
KDM5D	CHOL	HM_e	163	69	42	274	383
SMARCA1	CHOL	Helicases	52	69	149	270	384
SMARCB1	CHOL	Helicases	51	69	147	267	385
MARCH5	CHOL	Others	155	69	42	266	386
SMYD5	CHOL	HM_w	45	69	145	259	387
SP110	CHOL	HA_r	44	69	143	256	388
MSH6	CHOL	HM_r	143	69	42	254	389
SUV39H1	CHOL	HM_w	42	69	139	250	390
SUV39H2	CHOL	HM_w	41	69	138	248	391
TCEA1	CHOL	Others	39	69	137	245	392
TRIM28	CHOL	HA_r	28	69	135	232	393
PHF14	CHOL	Others	118	69	42	229	394
PHF6	CHOL	HM_r	111	69	42	222	395
PHF7	CHOL	Others	110	69	42	221	396
USP51	CHOL	Others	18	69	134	221	397
POLE3	CHOL	ChRC	107	69	42	218	398

ZGPAT	CHOL	Others	13	69	133	215	399
PRMT5	CHOL	HM_w	93	69	42	204	400
PRMT6	CHOL	HM_w	92	69	42	203	401
RAG2	CHOL	HM_r	87	69	42	198	402
RSF1	CHOL	ChRC	74	69	42	185	403
SETD5	CHOL	HM_w	67	69	42	178	404
SETMAR	CHOL	HM_w	63	69	42	174	405
SFMBT1	CHOL	HM_r	62	69	42	173	406
SUZ12	CHOL	ChRC	40	69	42	151	407
TDRD7	CHOL	Others	33	69	42	144	408
TET2	CHOL	DM_e	30	69	42	141	409
UBE2E1	CHOL	Others	24	69	42	135	410
UBE2I	CHOL	Others	23	69	42	134	411
UHRF2	CHOL	DM_r	21	69	42	132	412
USP27X	CHOL	Others	19	69	42	130	413
UTY	CHOL	HM_e	17	69	42	128	414
WDR82	CHOL	Others	15	69	42	126	415
ZMYND11	CHOL	HA_r	12	69	42	123	416
CHD6	COAD/R	Helicases	419	421	409	1249	1
ASXL1	COAD/R	Others	390	426	426	1242	2
DIDO1	COAD/R	Others	387	423	425	1235	3
ZMYND8	COAD/R	HA_r	372	419	424	1215	4
DNMT3B	COAD/R	DM_w	378	424	408	1210	5
CHD7	COAD/R	Helicases	396	407	399	1202	6
KAT6A	COAD/R	HA_w	391	409	394	1194	7
PHF20L1	COAD/R	HM_r	364	412	411	1187	8
SRCAP	COAD/R	Others	415	375	380	1170	9
ATAD2	COAD/R	HA_r	359	414	395	1168	10
NCOA3	COAD/R	HA_w	326	418	413	1157	11
KDM5A	COAD/R	HM_e	355	394	373	1122	12
NCOR1	COAD/R	ChRC	392	377	353	1122	13
L3MBTL1	COAD/R	HM_r	283	422	414	1119	14
ERCC5	COAD/R	Others	301	399	410	1110	15
FXR2	COAD/R	Others	299	389	416	1104	16
KIAA2026	COAD/R	Others	365	386	346	1097	17

TDRD3	COAD/R	HM_r	287	395	412	1094	18
ING1	COAD/R	HM_r	269	406	405	1080	19
ASH1L	COAD/R	HM_w	413	283	382	1078	20
KDM4C	COAD/R	HM_e	296	387	385	1068	21
INO80	COAD/R	Helicases	331	388	347	1066	22
KDM5B	COAD/R	HM_e	366	346	354	1066	23
SETD1A	COAD/R	HM_w	320	369	375	1064	24
SMARCA2	COAD/R	Helicases	350	368	341	1059	25
KMT2E	COAD/R	HM_w	383	312	344	1039	26
BRD1	COAD/R	HA_r	304	374	359	1037	27
BRD9	COAD/R	HA_r	303	390	338	1031	28
SETDB1	COAD/R	HM_w	352	297	381	1030	29
MBD1	COAD/R	DM_r	208	396	415	1019	30
RNF17	COAD/R	Others	401	415	198	1014	31
KMT2C	COAD/R	HM_w	412	217	374	1003	32
PHF20	COAD/R	HM_r	155	425	423	1003	33
RNF40	COAD/R	Others	239	376	388	1003	34
ELP3	COAD/R	HA_w	165	416	421	1002	35
BAZ1B	COAD/R	HA_r	370	238	392	1000	36
CHD9	COAD/R	Helicases	388	351	258	997	37
MBD5	COAD/R	DM_r	394	309	294	997	38
SND1	COAD/R	HM_r	349	245	401	995	39
ARID4B	COAD/R	ChRC	253	364	372	989	40
MBD2	COAD/R	DM_r	160	403	418	981	41
PHF23	COAD/R	HM_r	201	384	386	971	42
ARID1A	COAD/R	ChRC	425	284	259	968	43
PHF11	COAD/R	Others	156	405	404	965	44
CREBBP	COAD/R	HA_w	424	233	307	964	45
SETDB2	COAD/R	HM_w	143	404	417	964	46
TCEA1	COAD/R	Others	139	400	406	945	47
BRD7	COAD/R	HA_r	220	353	371	944	48
MPHOSPH8	COAD/R	HM_r	107	413	420	940	49
BRD4	COAD/R	HA_r	279	332	316	927	50
RBBP5	COAD/R	ChRC	198	340	387	925	51
PHF12	COAD/R	Others	265	342	312	919	52

PRDM14	COAD/R	HM_w	223	408	288	919	53
PRKAA1	COAD/R	Others	241	370	303	914	54
SETD3	COAD/R	HM_w	319	200	390	909	55
ATM	COAD/R	Others	426	354	128	908	56
CDYL	COAD/R	HM_r	277	279	348	904	57
DNMT1	COAD/R	DM_w	418	277	209	904	58
PARP1	COAD/R	Others	325	303	275	903	59
GATAD2B	COAD/R	HM_r	225	324	351	900	60
CXXC1	COAD/R	Others	128	397	370	895	61
MSH6	COAD/R	HM_r	403	216	276	895	62
JARID2	COAD/R	ChRC	395	268	230	893	63
MLLT6	COAD/R	HM_w	206	392	293	891	64
TP53BP1	COAD/R	Others	373	382	133	888	65
ATF7IP	COAD/R	Others	358	239	287	884	66
KAT7	COAD/R	HA_w	257	267	360	884	67
RTF1	COAD/R	Others	92	383	403	878	68
ZGPAT	COAD/R	Others	34	420	422	876	69
HDAC6	COAD/R	HA_e	342	320	212	874	70
RAI1	COAD/R	Others	263	356	251	870	71
CHD1L	COAD/R	Helicases	169	362	336	867	72
FBXL19	COAD/R	Others	124	379	363	866	73
SMARCE1	COAD/R	Helicases	89	393	383	865	74
CBX3	COAD/R	HM_r	182	280	400	862	75
CHRA1	COAD/R	ChRC	30	411	419	860	76
CHD5	COAD/R	Helicases	397	361	101	859	77
TDRKH	COAD/R	Others	188	288	379	855	78
CHD3	COAD/R	Helicases	368	373	107	848	79
SIN3B	COAD/R	ChRC	316	249	282	847	80
USP22	COAD/R	Others	83	366	397	846	81
BOP 1	COAD/R	Others	32	410	402	844	82
PRMT8	COAD/R	HM_w	337	398	109	844	83
ARID2	COAD/R	ChRC	409	69	365	843	84
JMJD1C	COAD/R	HM_e	330	316	194	840	85
LBR	COAD/R	Others	209	311	319	839	86
KAT8	COAD/R	HA_w	179	347	310	836	87

ARID4A	COAD/R	ChRC	400	186	242	828	88
L3MBTL4	COAD/R	Others	295	378	153	826	89
BPTF	COAD/R	HA_r	389	391	42	822	90
CHD4	COAD/R	Helicases	423	352	42	817	91
KDM3A	COAD/R	HM_e	329	168	320	817	92
TET1	COAD/R	DM_e	422	193	201	816	93
NCOA1	COAD/R	HA_w	386	161	267	814	94
SCML4	COAD/R	Others	289	251	272	812	95
HELLS	COAD/R	Helicases	297	350	163	810	96
CECR2	COAD/R	HA_r	334	278	196	808	97
SUZ12	COAD/R	ChRC	140	290	377	807	98
FMR1	COAD/R	Others	258	360	187	805	99
HDAC9	COAD/R	HA_e	404	270	131	805	100
CSTL1	COAD/R	Others	168	402	233	803	101
SMYD4	COAD/R	HM_w	38	367	396	801	102
PRDM16	COAD/R	HM_w	291	358	150	799	103
ASXL3	COAD/R	Others	336	333	129	798	104
L3MBTL2	COAD/R	Others	266	165	367	798	105
GTF2H1	COAD/R	Others	249	227	321	797	106
STK31	COAD/R	Others	362	196	236	794	107
CHD1	COAD/R	Helicases	369	380	42	791	108
CARM1	COAD/R	HM_w	131	331	328	790	109
RNF2	COAD/R	ChRC	147	298	345	790	110
UBE2I	COAD/R	Others	87	335	366	788	111
MECP2	COAD/R	DM_r	178	307	297	782	112
KDM2B	COAD/R	HM_e	356	169	256	781	113
PADI6	COAD/R	Others	338	208	235	781	114
SMARCC1	COAD/R	Helicases	194	292	291	777	115
PCMT1	COAD/R	Others	184	302	289	775	116
PHC1	COAD/R	ChRC	293	207	274	774	117
RNF20	COAD/R	Others	290	149	334	773	118
BAZ2B	COAD/R	HA_r	251	281	240	772	119
SMARCC2	COAD/R	Helicases	233	197	340	770	120
IDH2	COAD/R	DM_e	332	318	119	769	121
TRIM24	COAD/R	HA_r	312	134	323	769	122

SMARCA1	COAD/R	Helicases	381	142	245	768	123
SUPT16H	COAD/R	Others	314	69	384	767	124
PHF2	COAD/R	Others	322	206	237	765	125
KAT6B	COAD/R	HA_w	407	314	42	763	126
PHF3	COAD/R	Others	376	69	318	763	127
KANSL1	COAD/R	HA_w	341	69	350	760	128
PHF14	COAD/R	Others	203	157	398	758	129
PRDM2	COAD/R	HM_w	416	299	42	757	130
SUV39H1	COAD/R	HM_w	222	291	244	757	131
ZCWPW1	COAD/R	HM_r	186	242	329	757	132
KAT2B	COAD/R	HA_w	248	315	193	756	133
PAXIP1	COAD/R	Others	294	69	391	754	134
ATR	COAD/R	Others	399	69	281	749	135
HCFC1	COAD/R	Others	181	321	246	748	136
SIRT5	COAD/R	HA_e	235	248	263	746	137
CBX8	COAD/R	ChRC	219	328	197	744	138
SMARCA4	COAD/R	Helicases	363	339	42	744	139
SIN3A	COAD/R	ChRC	317	69	357	743	140
H3F3A	COAD/R	Others	64	322	355	741	141
PRDM10	COAD/R	HM_w	385	204	151	740	142
HR	COAD/R	HM_e	115	417	207	739	143
SFMBT2	COAD/R	Others	421	143	172	736	144
SMYD2	COAD/R	HM_w	39	338	356	733	145
KAT2A	COAD/R	HA_w	57	348	327	732	146
MUM1	COAD/R	Others	246	305	181	732	147
SIRT2	COAD/R	HA_e	142	295	292	729	148
SMARCD2	COAD/R	Helicases	40	355	333	728	149
ACTL6A	COAD/R	ChRC	221	188	317	726	150
TRIM33	COAD/R	HA_r	346	336	42	724	151
PCGF2	COAD/R	Others	103	385	229	717	152
JADE2	COAD/R	Others	345	69	298	712	153
TDRD7	COAD/R	Others	226	195	290	711	154
TDRD5	COAD/R	Others	286	289	134	709	155
SMARCB1	COAD/R	Helicases	234	140	331	705	156
BRD3	COAD/R	HA_r	172	236	296	704	157

CHAF1A	COAD/R ChRC	218	327	159	704	158
TAF1L	COAD/R HA_r	420	137	145	702	159
JMJD6	COAD/R HM_e	110	221	369	700	160
MECOM	COAD/R Others	393	265	42	700	161
PHF21A	COAD/R HM_r	354	156	190	700	162
PYGO2	COAD/R HM_r	94	254	342	690	163
SETD5	COAD/R HM_w	318	146	226	690	164
ATAD2B	COAD/R HA_r	280	69	339	688	165
CHD8	COAD/R Helicases	276	69	343	688	166
SFMBT1	COAD/R HM_r	237	199	249	685	167
CTCF	COAD/R Others	357	69	257	683	168
DNMT3A	COAD/R DM_w	333	69	280	682	169
BRPF3	COAD/R HA_r	302	69	308	679	170
MLLT10	COAD/R HM_w	327	69	283	679	171
HDAC4	COAD/R HA_e	272	174	232	678	172
ING3	COAD/R HM_r	114	171	393	678	173
TET3	COAD/R DM_e	347	69	261	677	174
BRWD1	COAD/R HA_r	398	235	42	675	175
TDRD6	COAD/R Others	361	135	178	674	176
TET2	COAD/R DM_e	313	192	169	674	177
GTF3C4	COAD/R HA_w	162	226	284	672	178
EED	COAD/R ChRC	125	231	315	671	179
FBXO17	COAD/R Others	68	325	277	670	180
KMT2A	COAD/R HM_w	410	218	42	670	181
CBX2	COAD/R ChRC	171	330	166	667	182
KDM6A	COAD/R HM_e	136	345	185	666	183
UBR7	COAD/R Others	86	190	389	665	184
PRMT3	COAD/R HM_w	151	202	311	664	185
EPC2	COAD/R Others	69	230	364	663	186
GTF2F1	COAD/R Others	298	323	42	663	187
ING4	COAD/R HM_r	113	317	231	661	188
ORC1	COAD/R Others	360	160	140	660	189
DOT1L	COAD/R HM_w	167	326	165	658	190
MORF4L1	COAD/R HM_r	159	163	335	657	191
PHF7	COAD/R Others	244	261	152	657	192

BRWD3	COAD/R	HA_r	384	69	200	653	193
INTS12	COAD/R	Others	112	222	313	647	194
PAF1	COAD/R	Others	105	304	238	647	195
HDGF	COAD/R	Others	62	269	314	645	196
PHC2	COAD/R	ChRC	323	69	253	645	197
PYGO1	COAD/R	HM_r	240	255	148	643	198
SHPRH	COAD/R	Others	351	250	42	643	199
NAP1L3	COAD/R	Others	339	162	141	642	200
EZH2	COAD/R	HM_w	300	69	269	638	201
EP400	COAD/R	HA_w	417	178	42	637	202
CBX4	COAD/R	HM_r	73	329	234	636	203
ZMYND11	COAD/R	HA_r	260	334	42	636	204
KDM1B	COAD/R	HM_e	256	69	309	634	205
KDM5C	COAD/R	HM_e	340	69	224	633	206
PBRM1	COAD/R	HA_r	324	263	42	629	207
BMI1	COAD/R	ChRC	174	184	270	628	208
SCMH1	COAD/R	Others	196	252	180	628	209
SCML2	COAD/R	HM_r	382	69	177	628	210
EP300	COAD/R	HA_w	406	179	42	627	211
TAF1	COAD/R	HA_r	380	69	176	625	212
SMYD3	COAD/R	HM_w	193	69	361	623	213
SMYD5	COAD/R	HM_w	230	69	324	623	214
PHIP	COAD/R	HA_r	375	205	42	622	215
EZH1	COAD/R	HM_w	273	69	278	620	216
PRDM7	COAD/R	HM_w	177	258	183	618	217
ASXL2	COAD/R	Others	306	69	241	616	218
MBTD1	COAD/R	Others	53	308	254	615	219
RPS6KA5	COAD/R	Others	238	253	123	614	220
AURKB	COAD/R	Others	133	363	117	613	221
NAP1L2	COAD/R	Others	282	213	118	613	222
PRDM11	COAD/R	HM_w	242	154	217	613	223
KMT2B	COAD/R	HM_w	402	166	42	610	224
JADE1	COAD/R	Others	408	69	130	607	225
PRKAA2	COAD/R	Others	321	69	216	606	226
TDRD10	COAD/R	Others	227	244	135	606	227

SIRT1	COAD/R	HA_e	236	198	171	605	228
HDGFL1	COAD/R	Others	180	319	104	603	229
ING5	COAD/R	HM_r	58	223	322	603	230
MBD4	COAD/R	DM_r	207	69	326	602	231
SMARCD1	COAD/R	Helicases	232	69	301	602	232
JADE3	COAD/R	Others	284	69	247	600	233
RPH3A	COAD/R	Others	353	148	98	599	234
KDM6B	COAD/R	HM_e	185	371	42	598	235
PSIP1	COAD/R	HM_r	199	357	42	598	236
PCGF6	COAD/R	Others	48	343	206	597	237
SP100	COAD/R	HA_r	192	139	262	593	238
BRD2	COAD/R	HA_r	173	69	349	591	239
AFF1	COAD/R	Others	307	241	42	590	240
SETMAR	COAD/R	HM_w	90	296	204	590	241
HDAC5	COAD/R	HA_e	214	69	306	589	242
FBXW9	COAD/R	Others	29	273	285	587	243
CBX5	COAD/R	HM_r	130	234	221	585	244
BAZ2A	COAD/R	HA_r	305	237	42	584	245
AFF4	COAD/R	Others	255	285	42	582	246
PRDM9	COAD/R	HM_w	414	69	99	582	247
RPA3	COAD/R	Others	17	201	362	580	248
GLYR1	COAD/R	HM_r	309	228	42	579	249
PRDM15	COAD/R	HM_w	285	152	142	579	250
SIRT3	COAD/R	HA_e	16	294	265	575	251
PRDM13	COAD/R	HM_w	97	300	173	570	252
PRDM5	COAD/R	HM_w	200	259	111	570	253
BRD8	COAD/R	HA_r	278	69	222	569	254
CLOCK	COAD/R	HA_w	275	182	112	569	255
SP110	COAD/R	HA_r	229	138	202	569	256
TRIM28	COAD/R	HA_r	137	133	299	569	257
PHC3	COAD/R	ChRC	101	158	304	563	258
ACTL6B	COAD/R	ChRC	183	286	93	562	259
PHF8	COAD/R	Others	308	69	184	561	260
BRPF1	COAD/R	HA_r	335	183	42	560	261
HDAC7	COAD/R	HA_e	271	69	219	559	262

RSF1	COAD/R ChRC	262	69	227	558	263
HDAC1	COAD/R HA_e	120	69	368	557	264
MBD3	COAD/R DM_r	54	310	192	556	265
AICDA	COAD/R DM_e	254	187	113	554	266
TCF20	COAD/R Others	374	136	42	552	267
PADI1	COAD/R Others	245	212	94	551	268
PRDM1	COAD/R HM_w	264	69	218	551	269
HDAC10	COAD/R HA_e	24	372	154	550	270
MTA1	COAD/R ChRC	52	306	191	549	271
RBBP7	COAD/R ChRC	281	69	199	549	272
DPF2	COAD/R Others	274	232	42	548	273
ATRX	COAD/R Helicases	310	69	168	547	274
HLTF	COAD/R Others	270	69	208	547	275
PRDM4	COAD/R HM_w	153	69	325	547	276
NCOR2	COAD/R Others	259	69	213	541	277
PADI3	COAD/R Others	204	210	126	540	278
IWS1	COAD/R Others	111	69	358	538	279
KDM4A	COAD/R HM_e	328	167	42	537	280
PHF19	COAD/R HM_r	202	69	266	537	281
TDG	COAD/R ChRC	138	69	330	537	282
NAP1L1	COAD/R Others	51	214	268	533	283
SMARCD3	COAD/R Helicases	261	69	203	533	284
SP140L	COAD/R HA_r	191	69	271	531	285
TDRD1	COAD/R Others	348	69	114	531	286
KAT5	COAD/R HA_w	268	220	42	530	287
CDYL2	COAD/R HM_r	250	69	210	529	288
DAXX	COAD/R ChRC	127	69	332	528	289
ELP4	COAD/R HA_w	164	69	295	528	290
KDM7A	COAD/R HM_e	81	69	378	528	291
SIRT4	COAD/R HA_e	195	69	264	528	292
SIRT7	COAD/R HA_e	41	293	189	523	293
KMT2D	COAD/R HM_w	411	69	42	522	294
DPF1	COAD/R ChRC	70	275	175	520	295
SP140	COAD/R HA_r	315	69	136	520	296
DPF3	COAD/R HA_r	217	180	121	518	297

SETD2	COAD/R	HM_w	405	69	42	516	298
EHMT2	COAD/R	HM_w	166	69	279	514	299
KDM8	COAD/R	HM_e	78	344	92	514	300
BRDT	COAD/R	HA_r	343	69	100	512	301
ZCWPW2	COAD/R	HM_r	311	69	132	512	302
SUV39H2	COAD/R	HM_w	141	69	300	510	303
FKBP5	COAD/R	Others	123	229	156	508	304
HIF1AN	COAD/R	Others	117	349	42	508	305
KDM1A	COAD/R	HM_e	247	219	42	508	306
UHRF2	COAD/R	DM_r	84	381	42	507	307
FKBP1A	COAD/R	Others	28	69	407	504	308
UBE2E1	COAD/R	Others	187	69	248	504	309
WDR5	COAD/R	ChRC	82	69	352	503	310
ING2	COAD/R	HM_r	59	401	42	502	311
FBXO44	COAD/R	Others	67	274	158	499	312
PRMT5	COAD/R	HM_w	150	69	273	492	313
CHD2	COAD/R	Helicases	379	69	42	490	314
NSD1	COAD/R	HM_w	377	69	42	488	315
TDRD9	COAD/R	Others	189	194	102	485	316
AEBP2	COAD/R	HM_w	75	365	42	482	317
ARID1B	COAD/R	ChRC	371	69	42	482	318
DPY30	COAD/R	Others	126	69	286	481	319
BAZ1A	COAD/R	HA_r	252	185	42	479	320
KDM2A	COAD/R	HM_e	267	170	42	479	321
PRKCD	COAD/R	Others	152	203	124	479	322
AKAP1	COAD/R	Others	33	69	376	478	323
KDM3B	COAD/R	HM_e	367	69	42	478	324
PCGF1	COAD/R	Others	104	69	305	478	325
SMARCA5	COAD/R	Helicases	288	141	42	471	326
PPARGC1A	COAD/R	Others	292	69	108	469	327
UBE2B	COAD/R	Others	88	191	188	467	328
RING1	COAD/R	Others	93	69	302	464	329
IDH1	COAD/R	DM_e	211	69	182	462	330
MTA2	COAD/R	ChRC	205	215	42	462	331
DNMT3L	COAD/R	DM_w	79	276	105	460	332

PHF21B	COAD/R	HM_r	20	301	139	460	333
BAP1	COAD/R	Others	132	282	42	456	334
USP51	COAD/R	Others	176	69	211	456	335
KDM5D	COAD/R	HM_e	344	69	42	455	336
GADD45B	COAD/R	Others	25	272	155	452	337
PHF13	COAD/R	Others	46	359	42	447	338
PRMT6	COAD/R	HM_w	149	256	42	447	339
TDRD12	COAD/R	Others	13	337	97	447	340
UBE2A	COAD/R	Others	134	69	243	446	341
TAF3	COAD/R	HA_r	228	69	144	441	342
CBX1	COAD/R	HM_r	31	69	337	437	343
SETD6	COAD/R	HM_w	42	145	250	437	344
GATAD2A	COAD/R	HM_r	122	271	42	435	345
HDAC8	COAD/R	HA_e	23	224	186	433	346
KDM4D	COAD/R	HM_e	109	69	255	433	347
PRDM12	COAD/R	HM_w	154	153	125	432	348
SMNDC1	COAD/R	Others	14	246	170	430	349
HAT1	COAD/R	HA_w	121	69	239	429	350
HIRA	COAD/R	Others	213	173	42	428	351
MSL3	COAD/R	HA_w	135	69	223	427	352
SATB1	COAD/R	Others	197	69	161	427	353
HNF1A	COAD/R	ChRC	212	172	42	426	354
SMYD1	COAD/R	HM_w	231	69	122	422	355
PHF10	COAD/R	Others	100	69	252	421	356
CBX7	COAD/R	HM_r	129	69	220	418	357
AIRE	COAD/R	HM_r	74	240	103	417	358
PHF5A	COAD/R	Others	99	155	162	416	359
UHRF1	COAD/R	DM_r	85	287	42	414	360
MTA3	COAD/R	ChRC	106	264	42	412	361
KDM4B	COAD/R	HM_e	56	313	42	411	362
ATAT1	COAD/R	Others	80	69	260	409	363
SIRT6	COAD/R	HA_e	15	247	146	408	364
PCGF5	COAD/R	Others	102	262	42	406	365
H2AFZ	COAD/R	Others	65	175	164	404	366
PRDM6	COAD/R	HM_w	19	341	42	402	367

POLE3	COAD/R	ChRC	98	69	228	395	368
L3MBTL3	COAD/R	Others	210	69	115	394	369
PRMT2	COAD/R	HM_w	95	257	42	394	370
SETD4	COAD/R	HM_w	145	69	179	393	371
DMAP1	COAD/R	Others	71	181	138	390	372
PADI2	COAD/R	Others	50	211	127	388	373
HDAC2	COAD/R	HA_e	119	225	42	386	374
HIST1H1C	COAD/R	Others	116	69	195	380	375
MARCH5	COAD/R	Others	55	266	42	363	376
RNF217	COAD/R	Others	146	69	147	362	377
FKBP2	COAD/R	Others	27	177	157	361	378
PARP2	COAD/R	Others	157	159	42	358	379
TRIM66	COAD/R	HA_r	12	132	214	358	380
PRDM8	COAD/R	HM_w	96	151	110	357	381
CHAF1B	COAD/R	ChRC	170	69	116	355	382
POLR2B	COAD/R	Others	243	69	42	354	383
PRMT7	COAD/R	HM_w	148	69	137	354	384
PHRF1	COAD/R	Others	45	260	42	347	385
PWWP2B	COAD/R	Others	43	150	149	342	386
UTY	COAD/R	HM_e	224	69	42	335	387
SETD7	COAD/R	HM_w	144	144	42	330	388
PRMT1	COAD/R	HM_w	44	69	215	328	389
EHMT1	COAD/R	HM_w	216	69	42	327	390
G2E3	COAD/R	Others	215	69	42	326	391
HIST1H1B	COAD/R	Others	161	69	96	326	392
PHF1	COAD/R	HM_r	47	69	205	321	393
WDR82	COAD/R	Others	36	243	42	321	394
KDM4E	COAD/R	HM_e	21	69	225	315	395
MEN1	COAD/R	ChRC	108	164	42	314	396
RAG2	COAD/R	HM_r	76	69	167	312	397
HDAC11	COAD/R	HA_e	63	69	174	306	398
CBX6	COAD/R	HM_r	72	69	160	301	399
SSRP1	COAD/R	Others	190	69	42	301	400
PADI4	COAD/R	Others	49	209	42	300	401
ASH2L	COAD/R	HM_w	175	69	42	286	402

GTF2B	COAD/R	Others	66	176	42	284	403
SETD1B	COAD/R	HM_w	91	147	42	280	404
EPC1	COAD/R	Others	163	69	42	274	405
MTF2	COAD/R	HM_r	158	69	42	269	406
YY1	COAD/R	ChRC	35	189	42	266	407
TCF19	COAD/R	Others	37	69	143	249	408
HDAC3	COAD/R	HA_e	118	69	42	229	409
HIST1H3B	COAD/R	Others	61	69	95	225	410
GADD45A	COAD/R	Others	26	69	120	215	411
JMJD8	COAD/R	HM_e	22	69	106	197	412
PHF6	COAD/R	HM_r	77	69	42	188	413
HSPBAP1	COAD/R	Others	60	69	42	171	414
RBBP4	COAD/R	ChRC	18	69	42	129	415
USP27X	COAD/R	Others	11	69	42	122	416
IWS1	DLBC	Others	384	400	417	1201	1
BAZ2B	DLBC	HA_r	411	404	383	1198	2
PRDM1	DLBC	HM_w	401	425	349	1175	3
ERCC5	DLBC	Others	404	379	380	1163	4
FXR2	DLBC	Others	348	378	426	1152	5
SMARCA2	DLBC	Helicases	399	350	387	1136	6
BAZ2A	DLBC	HA_r	361	332	424	1117	7
KDM4C	DLBC	HM_e	380	369	365	1114	8
ARID2	DLBC	ChRC	369	390	334	1093	9
CXXC1	DLBC	Others	392	380	318	1090	10
ATR	DLBC	Others	364	388	331	1083	11
FKBP5	DLBC	Others	388	316	379	1083	12
KDM2B	DLBC	HM_e	413	303	367	1083	13
HDAC4	DLBC	HA_e	387	314	377	1078	14
MBD1	DLBC	DM_r	339	366	360	1065	15
SRCAP	DLBC	Others	373	348	341	1062	16
JMJD1C	DLBC	HM_e	382	307	370	1059	17
BRD2	DLBC	HA_r	303	421	327	1051	18
PBRM1	DLBC	HA_r	332	363	354	1049	19
SETD1B	DLBC	HM_w	415	355	274	1044	20
CBX3	DLBC	HM_r	393	326	321	1040	21

CBX5	DLBC	HM_r	299	325	412	1036	22
HNF1A	DLBC	ChRC	421	309	305	1035	23
AURKB	DLBC	Others	362	334	330	1026	24
MBD5	DLBC	DM_r	250	417	359	1026	25
EP400	DLBC	HA_w	390	317	314	1021	26
KAT6A	DLBC	HA_w	344	306	369	1019	27
HIST1H1C	DLBC	Others	424	373	216	1013	28
ING1	DLBC	HM_r	270	371	372	1013	29
EPC2	DLBC	Others	285	414	313	1012	30
TP53BP1	DLBC	Others	193	405	414	1012	31
PHC3	DLBC	ChRC	238	362	408	1008	32
ASXL2	DLBC	Others	412	337	251	1000	33
CHD1L	DLBC	Helicases	293	383	319	995	34
RNF217	DLBC	Others	218	423	345	986	35
HIST1H3B	DLBC	Others	385	372	215	972	36
BAZ1B	DLBC	HA_r	304	333	329	966	37
SCML4	DLBC	Others	376	422	167	965	38
HDAC8	DLBC	HA_e	274	312	375	961	39
ARID1B	DLBC	ChRC	308	391	253	952	40
KDM4D	DLBC	HM_e	257	299	396	952	41
ASH1L	DLBC	HM_w	307	389	252	948	42
CHD5	DLBC	Helicases	408	416	124	948	43
ING3	DLBC	HM_r	269	308	371	948	44
MBD2	DLBC	DM_r	114	413	421	948	45
KDM3A	DLBC	HM_e	343	302	298	943	46
PRDM8	DLBC	HM_w	325	269	347	941	47
ACTL6B	DLBC	ChRC	188	341	402	931	48
DAXX	DLBC	ChRC	291	322	317	930	49
BRD1	DLBC	HA_r	395	403	131	929	50
CDYL2	DLBC	HM_r	296	384	238	918	51
ATAD2B	DLBC	HA_r	184	336	384	904	52
AKAP1	DLBC	Others	309	339	254	902	53
PRDM16	DLBC	HM_w	400	412	86	898	54
KIAA2026	DLBC	Others	120	367	410	897	55
ATM	DLBC	Others	425	335	133	893	56

HDGF	DLBC	Others	140	374	374	888	57
ELP4	DLBC	HA_w	158	318	411	887	58
HR	DLBC	HM_e	273	401	213	887	59
CARM1	DLBC	HM_w	175	385	323	883	60
GATAD2B	DLBC	HM_r	281	376	223	880	61
SMYD3	DLBC	HM_w	204	408	266	878	62
TDRD6	DLBC	Others	372	244	262	878	63
EED	DLBC	ChRC	159	319	399	877	64
NCOR2	DLBC	Others	403	284	189	876	65
RBBP7	DLBC	ChRC	220	265	390	875	66
SMARCC2	DLBC	Helicases	206	255	405	866	67
CHD7	DLBC	Helicases	354	382	123	859	68
CHD3	DLBC	Helicases	409	323	126	858	69
KMT2D	DLBC	HM_w	426	69	363	858	70
SETD2	DLBC	HM_w	57	394	406	857	71
HDAC10	DLBC	HA_e	145	402	307	854	72
ZCWPW1	DLBC	HM_r	192	236	425	853	73
RNF2	DLBC	ChRC	65	395	389	849	74
ATAD2	DLBC	HA_r	366	69	413	848	75
ARID4A	DLBC	ChRC	368	338	135	841	76
PYGO2	DLBC	HM_r	69	356	415	840	77
KDM6B	DLBC	HM_e	342	297	199	838	78
PHF7	DLBC	Others	85	358	394	837	79
DPF3	DLBC	HA_r	287	320	229	836	80
HDAC7	DLBC	HA_e	347	69	418	834	81
BRD9	DLBC	HA_r	177	329	325	831	82
HDAC6	DLBC	HA_e	141	313	376	830	83
MSH6	DLBC	HM_r	247	288	293	828	84
SETDB1	DLBC	HM_w	54	354	420	828	85
KDM5C	DLBC	HM_e	254	368	201	823	86
HELLS	DLBC	Helicases	138	311	373	822	87
BRPF3	DLBC	HA_r	359	328	130	817	88
EHMT2	DLBC	HM_w	352	415	42	809	89
EHMT1	DLBC	HM_w	353	69	381	803	90
PHF20L1	DLBC	HM_r	90	359	352	801	91

SMARCD1	DLBC	Helicases	44	349	404	797	92
FMR1	DLBC	Others	349	69	378	796	93
PHIP	DLBC	HA_r	328	426	42	796	94
CHD9	DLBC	Helicases	292	381	121	794	95
PHF2	DLBC	Others	329	279	184	792	96
KMT2C	DLBC	HM_w	423	69	297	789	97
SMARCA4	DLBC	Helicases	375	256	158	789	98
CHAF1B	DLBC	ChRC	295	69	423	787	99
PRDM10	DLBC	HM_w	230	273	284	787	100
PRKAA1	DLBC	Others	324	69	393	786	101
PHF10	DLBC	Others	237	361	186	784	102
AFF1	DLBC	Others	186	340	255	781	103
AFF4	DLBC	Others	310	69	401	780	104
PCMT1	DLBC	Others	94	398	287	779	105
DPF2	DLBC	Others	288	69	419	776	106
KMT2E	DLBC	HM_w	119	294	362	775	107
MBD4	DLBC	DM_r	112	365	296	773	108
PRMT7	DLBC	HM_w	225	268	280	773	109
SHPRH	DLBC	Others	320	410	42	772	110
ASXL1	DLBC	Others	367	69	333	769	111
GLYR1	DLBC	HM_r	280	375	112	767	112
ATF7IP	DLBC	Others	365	69	332	766	113
BRD4	DLBC	HA_r	394	330	42	766	114
CDYL	DLBC	HM_r	297	69	400	766	115
KDM4B	DLBC	HM_e	258	300	204	762	116
KDM5B	DLBC	HM_e	255	399	104	758	117
PRKCD	DLBC	Others	226	357	175	758	118
BPTF	DLBC	HA_r	360	69	328	757	119
BRWD3	DLBC	HA_r	300	327	129	756	120
RNF40	DLBC	Others	323	262	169	754	121
KAT2A	DLBC	HA_w	381	69	301	751	122
KDM6A	DLBC	HM_e	253	298	200	751	123
MSL3	DLBC	HA_w	106	287	357	750	124
PHRF1	DLBC	Others	327	69	350	746	125
GTF3C4	DLBC	HA_w	278	69	397	744	126

TDRD5	DLBC	Others	194	406	144	744	127
SFMBT2	DLBC	Others	212	257	271	740	128
ASXL3	DLBC	Others	419	69	250	738	129
HDAC2	DLBC	HA_e	275	420	42	737	130
SETD1A	DLBC	HM_w	322	69	343	734	131
KAT8	DLBC	HA_w	127	305	299	731	132
BRD7	DLBC	HA_r	302	386	42	730	133
FBXW9	DLBC	Others	350	69	311	730	134
INO80	DLBC	Helicases	267	419	42	728	135
MLLT6	DLBC	HM_w	338	290	99	727	136
PARP1	DLBC	Others	241	69	416	726	137
SMYD1	DLBC	HM_w	398	253	74	725	138
MTA2	DLBC	ChRC	246	69	409	724	139
RAI1	DLBC	Others	377	69	278	724	140
BRWD1	DLBC	HA_r	410	69	243	722	141
CREBBP	DLBC	HA_w	418	69	234	721	142
NCOA1	DLBC	HA_w	245	285	191	721	143
PHF21B	DLBC	HM_r	89	278	351	718	144
ING2	DLBC	HM_r	135	370	212	717	145
DNMT3A	DLBC	DM_w	162	321	232	715	146
MECOM	DLBC	Others	248	364	101	713	147
SUV39H1	DLBC	HM_w	198	249	264	711	148
TDRKH	DLBC	Others	27	345	337	709	149
GATAD2A	DLBC	HM_r	282	377	42	701	150
PHF14	DLBC	Others	236	280	185	701	151
TET1	DLBC	DM_e	371	69	261	701	152
UBE2A	DLBC	Others	397	241	63	701	153
PRDM12	DLBC	HM_w	80	272	348	700	154
SMARCD2	DLBC	Helicases	43	254	403	700	155
UHRF2	DLBC	DM_r	312	344	42	698	156
KDM3B	DLBC	HM_e	260	69	366	695	157
NSD1	DLBC	HM_w	334	69	291	694	158
DNMT3L	DLBC	DM_w	391	69	231	691	159
PHF3	DLBC	Others	232	276	183	691	160
SMYD2	DLBC	HM_w	205	409	73	687	161

EZH2	DLBC	HM_w	389	69	227	685	162
PRDM13	DLBC	HM_w	79	424	179	682	163
PYGO1	DLBC	HM_r	222	69	391	682	164
HDAC1	DLBC	HA_e	146	315	220	681	165
LBR	DLBC	Others	251	69	361	681	166
ATRX	DLBC	Helicases	363	69	248	680	167
KMT2B	DLBC	HM_w	340	295	42	677	168
PRDM15	DLBC	HM_w	326	69	282	677	169
NCOA3	DLBC	HA_w	416	69	190	675	170
DNMT3B	DLBC	DM_w	290	69	315	674	171
HDAC9	DLBC	HA_e	386	69	218	673	172
SETD4	DLBC	HM_w	215	69	388	672	173
KDM1A	DLBC	HM_e	261	304	105	670	174
CBX2	DLBC	ChRC	358	69	242	669	175
PADI1	DLBC	Others	243	69	356	668	176
PCGF5	DLBC	Others	96	283	288	667	177
PRDM9	DLBC	HM_w	420	69	177	666	178
PARP2	DLBC	Others	240	69	355	664	179
GADD45B	DLBC	Others	283	69	309	661	180
PHC1	DLBC	ChRC	239	69	353	661	181
CHD6	DLBC	Helicases	355	69	236	660	182
JARID2	DLBC	ChRC	383	69	208	660	183
PADI2	DLBC	Others	402	69	188	659	184
RNF17	DLBC	Others	219	263	170	652	185
TAF1L	DLBC	HA_r	196	69	386	651	186
SSRP1	DLBC	Others	316	69	265	650	187
L3MBTL4	DLBC	Others	252	293	102	647	188
FBXO44	DLBC	Others	351	69	225	645	189
BMI1	DLBC	ChRC	181	331	132	644	190
IDH1	DLBC	DM_e	271	69	304	644	191
TET3	DLBC	DM_e	314	69	260	643	192
SMYD4	DLBC	HM_w	318	252	72	642	193
TDRD10	DLBC	Others	32	347	263	642	194
GTF2H1	DLBC	Others	149	69	422	640	195
NAP1L3	DLBC	Others	379	69	192	640	196

PWWP2B	DLBC	Others	223	69	346	638	197
L3MBTL3	DLBC	Others	116	418	103	637	198
SETD6	DLBC	HM_w	213	258	166	637	199
JADE2	DLBC	Others	264	69	302	635	200
RBBP5	DLBC	ChRC	67	396	171	634	201
PRDM14	DLBC	HM_w	78	271	283	632	202
KAT2B	DLBC	HA_w	262	69	300	631	203
HLTF	DLBC	Others	345	69	214	628	204
ACTL6A	DLBC	ChRC	189	392	42	623	205
BAZ1A	DLBC	HA_r	305	69	247	621	206
CHAF1A	DLBC	ChRC	169	324	128	621	207
FKBP1A	DLBC	Others	153	69	398	620	208
ARID1A	DLBC	ChRC	414	69	136	619	209
CHRA1	DLBC	ChRC	168	69	382	619	210
KDM8	DLBC	HM_e	121	296	198	615	211
BRDT	DLBC	HA_r	301	69	244	614	212
MBTD1	DLBC	Others	249	69	295	613	213
BAP1	DLBC	Others	182	387	42	611	214
CBX6	DLBC	HM_r	298	69	241	608	215
KMT2A	DLBC	HM_w	341	69	197	607	216
KDM4A	DLBC	HM_e	259	301	42	602	217
CHD1	DLBC	Helicases	294	69	237	600	218
MTA1	DLBC	ChRC	337	69	194	600	219
ARID4B	DLBC	ChRC	396	69	134	599	220
CHD8	DLBC	Helicases	407	69	122	598	221
HIST1H1B	DLBC	Others	417	69	109	595	222
SMARCC1	DLBC	Helicases	45	393	156	594	223
DIDO1	DLBC	Others	406	69	118	593	224
EP300	DLBC	HA_w	405	69	116	590	225
PHF19	DLBC	HM_r	235	69	286	590	226
AICDA	DLBC	DM_e	185	69	335	589	227
TCF19	DLBC	Others	36	407	146	589	228
DOT1L	DLBC	HM_w	289	69	230	588	229
SETD3	DLBC	HM_w	56	259	273	588	230
PHC2	DLBC	ChRC	331	69	187	587	231

PHF21A	DLBC	HM_r	233	69	285	587	232
PHF13	DLBC	Others	91	397	91	579	233
PRDM4	DLBC	HM_w	228	69	281	578	234
AIRE	DLBC	HM_r	370	69	137	576	235
BRD8	DLBC	HA_r	178	69	326	573	236
PRMT8	DLBC	HM_w	224	69	279	572	237
BRPF1	DLBC	HA_r	176	69	324	569	238
RBBP4	DLBC	ChRC	221	266	82	569	239
SFMBT1	DLBC	HM_r	52	352	164	568	240
H3F3A	DLBC	Others	277	69	221	567	241
KAT6B	DLBC	HA_w	129	69	368	566	242
CBX1	DLBC	HM_r	174	69	322	565	243
PADI3	DLBC	Others	101	69	395	565	244
RPS6KA5	DLBC	Others	217	69	276	562	245
RSF1	DLBC	ChRC	216	69	275	560	246
CECR2	DLBC	HA_r	170	69	320	559	247
TET2	DLBC	DM_e	422	69	66	557	248
KDM7A	DLBC	HM_e	122	69	364	555	249
SETMAR	DLBC	HM_w	321	69	165	555	250
CHD2	DLBC	Helicases	357	69	127	553	251
RTF1	DLBC	Others	61	411	79	551	252
CHD4	DLBC	Helicases	356	69	125	550	253
PRMT3	DLBC	HM_w	73	69	407	549	254
DNMT1	DLBC	DM_w	163	69	316	548	255
JADE1	DLBC	Others	265	69	210	544	256
PHF5A	DLBC	Others	87	275	182	544	257
SMARCA1	DLBC	Helicases	207	69	267	543	258
KANSL1	DLBC	HA_w	263	69	207	539	259
PHF8	DLBC	Others	84	274	181	539	260
MEN1	DLBC	ChRC	110	69	358	537	261
SP140L	DLBC	HA_r	317	69	151	537	262
FBXL19	DLBC	Others	155	69	312	536	263
PRMT1	DLBC	HM_w	74	69	392	535	264
FKBP2	DLBC	Others	152	69	310	531	265
TAF1	DLBC	HA_r	315	69	147	531	266

PRMT2	DLBC	HM_w	378	69	83	530	267
KDM4E	DLBC	HM_e	256	69	203	528	268
TRIM28	DLBC	HA_r	25	242	259	526	269
H2AFZ	DLBC	Others	148	69	308	525	270
STK31	DLBC	Others	200	250	70	520	271
ZCWPW2	DLBC	HM_r	311	69	140	520	272
HDAC5	DLBC	HA_e	142	69	306	517	273
ZGPAT	DLBC	Others	191	69	256	516	274
SP100	DLBC	HA_r	374	69	71	514	275
IDH2	DLBC	DM_e	136	69	303	508	276
MUM1	DLBC	Others	336	69	98	503	277
ATAT1	DLBC	Others	183	69	249	501	278
NCOR1	DLBC	ChRC	335	69	97	501	279
MLLT10	DLBC	HM_w	109	291	100	500	280
PADI6	DLBC	Others	333	69	95	497	281
SND1	DLBC	HM_r	203	251	42	496	282
BOP 1	DLBC	Others	180	69	246	495	283
PHF11	DLBC	Others	92	360	42	494	284
BRD3	DLBC	HA_r	179	69	245	493	285
ZMYND11	DLBC	HA_r	11	342	139	492	286
HIF1AN	DLBC	Others	137	310	42	489	287
TAF3	DLBC	HA_r	195	248	42	485	288
CBX7	DLBC	HM_r	172	69	240	481	289
CBX8	DLBC	ChRC	171	69	239	479	290
PRDM2	DLBC	HM_w	229	69	178	476	291
MECP2	DLBC	DM_r	111	69	294	474	292
SATB1	DLBC	Others	60	69	344	473	293
CLOCK	DLBC	HA_w	167	69	235	471	294
WDR5	DLBC	ChRC	14	69	385	468	295
DMAP1	DLBC	Others	164	69	233	466	296
G2E3	DLBC	Others	284	69	113	466	297
PHF1	DLBC	HM_r	93	281	92	466	298
NAP1L1	DLBC	Others	103	69	292	464	299
SMARCA5	DLBC	Helicases	319	69	75	463	300
DPY30	DLBC	Others	160	69	228	457	301

HIRA	DLBC	Others	346	69	42	457	302
PCGF1	DLBC	Others	98	69	290	457	303
HCFC1	DLBC	Others	276	69	111	456	304
PCGF2	DLBC	Others	97	69	289	455	305
SMARCE1	DLBC	Helicases	41	69	342	452	306
FBXO17	DLBC	Others	154	69	226	449	307
MARCH5	DLBC	Others	115	292	42	449	308
SETDB2	DLBC	HM_w	53	353	42	448	309
TRIM66	DLBC	HA_r	313	69	64	446	310
ING4	DLBC	HM_r	268	69	108	445	311
TDRD12	DLBC	Others	31	346	68	445	312
GADD45A	DLBC	Others	151	69	224	444	313
SIN3A	DLBC	ChRC	51	351	42	444	314
TCF20	DLBC	Others	35	69	340	444	315
SIN3B	DLBC	ChRC	211	69	163	443	316
TDG	DLBC	ChRC	34	69	339	442	317
GTF2B	DLBC	Others	150	69	222	441	318
PHF12	DLBC	Others	330	69	42	441	319
SIRT1	DLBC	HA_e	210	69	162	441	320
SIRT4	DLBC	HA_e	209	69	161	439	321
MPHOSPH8	DLBC	HM_r	107	289	42	438	322
SIRT7	DLBC	HA_e	208	69	159	436	323
TDRD7	DLBC	Others	29	69	338	436	324
MTA3	DLBC	ChRC	105	286	42	433	325
HDAC3	DLBC	HA_e	143	69	219	431	326
TRIM24	DLBC	HA_r	26	69	336	431	327
HDGFL1	DLBC	Others	139	69	217	425	328
SP110	DLBC	HA_r	202	69	153	424	329
TDRD1	DLBC	Others	33	246	145	424	330
SP140	DLBC	HA_r	201	69	152	422	331
PCGF6	DLBC	Others	95	282	42	419	332
SUPT16H	DLBC	Others	199	69	150	418	333
ASH2L	DLBC	HM_w	306	69	42	417	334
SUV39H2	DLBC	HM_w	197	69	149	415	335
ING5	DLBC	HM_r	134	69	211	414	336

JADE3	DLBC	Others	133	69	209	411	337
RING1	DLBC	Others	66	264	81	411	338
RNF20	DLBC	Others	64	69	277	410	339
ORC1	DLBC	Others	244	69	96	409	340
PHF23	DLBC	HM_r	88	277	42	407	341
KDM1B	DLBC	HM_e	126	69	206	401	342
KDM2A	DLBC	HM_e	125	69	205	399	343
SCMH1	DLBC	Others	59	261	78	398	344
WDR82	DLBC	Others	13	343	42	398	345
ELP3	DLBC	HA_w	286	69	42	397	346
SETD7	DLBC	HM_w	55	69	272	396	347
KDM5A	DLBC	HM_e	124	69	202	395	348
SCML2	DLBC	HM_r	58	260	77	395	349
AEBP2	DLBC	HM_w	187	69	138	394	350
PHF20	DLBC	HM_r	234	69	90	393	351
GTF2F1	DLBC	Others	279	69	42	390	352
YY1	DLBC	ChRC	12	237	141	390	353
POLR2B	DLBC	Others	231	69	89	389	354
PRDM6	DLBC	HM_w	77	270	42	389	355
SIRT2	DLBC	HA_e	50	69	270	389	356
SIRT3	DLBC	HA_e	49	69	269	387	357
SIRT5	DLBC	HA_e	48	69	268	385	358
HSPBAP1	DLBC	Others	272	69	42	383	359
L3MBTL1	DLBC	HM_r	118	69	196	383	360
L3MBTL2	DLBC	Others	117	69	195	381	361
PRDM5	DLBC	HM_w	227	69	85	381	362
PSIP1	DLBC	HM_r	70	267	42	379	363
INTS12	DLBC	Others	266	69	42	377	364
NAP1L2	DLBC	Others	102	69	193	364	365
SETD5	DLBC	HM_w	214	69	76	359	366
CSTL1	DLBC	Others	166	69	120	355	367
CTCF	DLBC	Others	165	69	119	353	368
PADI4	DLBC	Others	242	69	42	353	369
TCEA1	DLBC	Others	37	247	69	353	370
UBE2E1	DLBC	Others	22	69	258	349	371

DPF1	DLBC	ChRC	161	69	117	347	372
USP22	DLBC	Others	18	69	257	344	373
EPC1	DLBC	Others	157	69	115	341	374
EZH1	DLBC	HM_w	156	69	114	339	375
TDRD9	DLBC	Others	28	243	67	338	376
POLE3	DLBC	ChRC	83	69	180	332	377
HDAC11	DLBC	HA_e	144	69	110	323	378
PRKAA2	DLBC	Others	75	69	176	320	379
ZMYND8	DLBC	HA_r	190	69	61	320	380
TDRD3	DLBC	HM_r	30	245	42	317	381
USP51	DLBC	Others	16	238	62	316	382
PRMT5	DLBC	HM_w	72	69	174	315	383
PRMT6	DLBC	HM_w	71	69	173	313	384
RAG2	DLBC	HM_r	68	69	172	309	385
JMJD6	DLBC	HM_e	132	69	107	308	386
JMJD8	DLBC	HM_e	131	69	106	306	387
UHRF1	DLBC	DM_r	19	240	42	301	388
RPA3	DLBC	Others	63	69	168	300	389
USP27X	DLBC	Others	17	239	42	298	390
CBX4	DLBC	HM_r	173	69	42	284	391
SIRT6	DLBC	HA_e	47	69	160	276	392
SMARCB1	DLBC	Helicases	46	69	157	272	393
SMARCD3	DLBC	Helicases	42	69	155	266	394
PAF1	DLBC	Others	100	69	94	263	395
SMNDC1	DLBC	Others	40	69	154	263	396
PAXIP1	DLBC	Others	99	69	93	261	397
HAT1	DLBC	HA_w	147	69	42	258	398
SUZ12	DLBC	ChRC	38	69	148	255	399
KAT5	DLBC	HA_w	130	69	42	241	400
KAT7	DLBC	HA_w	128	69	42	239	401
PPARGC1A	DLBC	Others	82	69	88	239	402
PRDM11	DLBC	HM_w	81	69	87	237	403
UBE2B	DLBC	Others	23	69	143	235	404
KDM5D	DLBC	HM_e	123	69	42	234	405
UBR7	DLBC	Others	20	69	142	231	406

PRDM7	DLBC	HM_w	76	69	84	229	407
MBD3	DLBC	DM_r	113	69	42	224	408
MORF4L1	DLBC	HM_r	108	69	42	219	409
MTF2	DLBC	HM_r	104	69	42	215	410
RPH3A	DLBC	Others	62	69	80	211	411
PHF6	DLBC	HM_r	86	69	42	197	412
TRIM33	DLBC	HA_r	24	69	65	158	413
SMYD5	DLBC	HM_w	39	69	42	150	414
UBE2I	DLBC	Others	21	69	42	132	415
UTY	DLBC	HM_e	15	69	42	126	416
ATAD2	ESCA	HA_r	402	423	421	1246	1
DIDO1	ESCA	Others	410	408	420	1238	2
ATR	ESCA	Others	391	417	422	1230	3
KAT6A	ESCA	HA_w	399	413	415	1227	4
KDM2A	ESCA	HM_e	404	399	387	1190	5
PHF20L1	ESCA	HM_r	350	418	418	1186	6
HDAC9	ESCA	HA_e	408	400	362	1170	7
CHD7	ESCA	Helicases	413	384	365	1162	8
BRD9	ESCA	HA_r	312	421	424	1157	9
ASXL1	ESCA	Others	414	327	406	1147	10
BPTF	ESCA	HA_r	389	354	389	1132	11
KDM5A	ESCA	HM_e	353	341	411	1105	12
KMT2E	ESCA	HM_w	407	411	285	1103	13
PRKAA1	ESCA	Others	293	407	403	1103	14
PHC3	ESCA	ChRC	253	425	423	1101	15
ARID4B	ESCA	ChRC	362	372	334	1068	16
PHF14	ESCA	Others	299	392	376	1067	17
ZGPAT	ESCA	Others	233	405	419	1057	18
SETDB1	ESCA	HM_w	290	373	393	1056	19
CHD2	ESCA	Helicases	401	353	292	1046	20
ASH1L	ESCA	HM_w	344	310	390	1044	21
HCFC1	ESCA	Others	306	380	355	1041	22
STK31	ESCA	Others	240	406	395	1041	23
ZCWPW1	ESCA	HM_r	234	415	391	1040	24
PRDM16	ESCA	HM_w	349	375	310	1034	25

ACTL6A	ESCA	ChRC	178	424	426	1028	26
HDGF	ESCA	Others	271	344	408	1023	27
MBD4	ESCA	DM_r	207	402	413	1022	28
EP400	ESCA	HA_w	417	212	388	1017	29
EHMT1	ESCA	HM_w	396	281	332	1009	30
BAZ1B	ESCA	HA_r	279	325	401	1005	31
KDM6A	ESCA	HM_e	375	414	215	1004	32
SMARCA2	ESCA	Helicases	384	389	228	1001	33
CHD6	ESCA	Helicases	341	352	291	984	34
L3MBTL1	ESCA	HM_r	303	366	315	984	35
NCOA3	ESCA	HA_w	371	397	211	979	36
HLTF	ESCA	Others	153	419	404	976	37
KMT2C	ESCA	HM_w	424	377	170	971	38
PHF20	ESCA	HM_r	250	361	359	970	39
KMT2D	ESCA	HM_w	426	267	267	960	40
SRCAP	ESCA	Others	406	249	305	960	41
PCGF2	ESCA	Others	255	363	338	956	42
G2E3	ESCA	Others	338	242	373	953	43
TDRKH	ESCA	Others	238	387	320	945	44
EHMT2	ESCA	HM_w	308	382	254	944	45
BRD2	ESCA	HA_r	278	386	277	941	46
ZMYND8	ESCA	HA_r	179	404	357	940	47
TET3	ESCA	DM_e	365	188	386	939	48
PARP1	ESCA	Others	301	263	372	936	49
GATAD2A	ESCA	HM_r	272	346	316	934	50
CHD1L	ESCA	Helicases	170	385	378	933	51
ASH2L	ESCA	HM_w	105	410	409	924	52
DNMT1	ESCA	DM_w	340	283	299	922	53
CBX3	ESCA	HM_r	99	403	416	918	54
MECOM	ESCA	Others	335	426	151	912	55
DNMT3B	ESCA	DM_w	223	323	364	910	56
MPHOSPH8	ESCA	HM_r	334	340	235	909	57
MECP2	ESCA	DM_r	259	365	284	908	58
PRDM9	ESCA	HM_w	416	409	80	905	59
PRDM14	ESCA	HM_w	249	360	283	892	60

BRPF3	ESCA	HA_r	228	370	293	891	61
RSF1	ESCA	ChRC	121	390	379	890	62
ATF7IP	ESCA	Others	382	326	181	889	63
CHRA1	ESCA	ChRC	41	422	425	888	64
ELP4	ESCA	HA_w	222	322	340	884	65
BAZ2A	ESCA	HA_r	361	220	301	882	66
BOP 1	ESCA	Others	45	420	417	882	67
CHD8	ESCA	Helicases	412	214	256	882	68
ATAD2B	ESCA	HA_r	315	182	375	872	69
RNF40	ESCA	Others	246	254	369	869	70
RPA3	ESCA	Others	65	391	410	866	71
SMARCD2	ESCA	Helicases	188	311	367	866	72
SMARCE1	ESCA	Helicases	55	412	399	866	73
EPC1	ESCA	Others	273	303	289	865	74
SMARCA5	ESCA	Helicases	243	312	307	862	75
IDH2	ESCA	DM_e	266	379	216	861	76
SMARCC2	ESCA	Helicases	287	251	323	861	77
PHF2	ESCA	Others	394	69	394	857	78
PHF3	ESCA	Others	330	293	234	857	79
KAT7	ESCA	HA_w	262	298	296	856	80
JMJD1C	ESCA	HM_e	357	342	156	855	81
MBD2	ESCA	DM_r	208	398	249	855	82
PAXIP1	ESCA	Others	418	393	42	853	83
EED	ESCA	ChRC	167	350	333	850	84
PRMT8	ESCA	HM_w	328	316	206	850	85
TDRD6	ESCA	Others	366	388	96	850	86
DAXX	ESCA	ChRC	224	351	273	848	87
CHD5	ESCA	Helicases	378	396	73	847	88
JARID2	ESCA	ChRC	377	273	196	846	89
EZH2	ESCA	HM_w	164	302	377	843	90
KMT2A	ESCA	HM_w	422	268	153	843	91
FMR1	ESCA	Others	163	347	330	840	92
KDM4A	ESCA	HM_e	387	297	155	839	93
SETD2	ESCA	HM_w	369	69	400	838	94
CSTL1	ESCA	Others	169	324	342	835	95

TCEA1	ESCA	Others	184	328	321	833	96
HDAC6	ESCA	HA_e	216	345	271	832	97
KMT2B	ESCA	HM_w	395	394	42	831	98
KAT2A	ESCA	HA_w	212	319	297	828	99
KDM3A	ESCA	HM_e	305	236	287	828	100
MBTD1	ESCA	Others	206	294	327	827	101
ASXL2	ESCA	Others	280	285	258	823	102
PYGO2	ESCA	HM_r	128	315	380	823	103
JMJD6	ESCA	HM_e	150	320	352	822	104
DPF1	ESCA	ChRC	96	368	356	820	105
BRPF1	ESCA	HA_r	343	69	405	817	106
ING3	ESCA	HM_r	214	274	328	816	107
TRIM28	ESCA	HA_r	111	355	345	811	108
PHF12	ESCA	Others	202	260	348	810	109
POLR2B	ESCA	Others	198	230	381	809	110
SETD1A	ESCA	HM_w	291	253	262	806	111
ING4	ESCA	HM_r	151	300	354	805	112
PHF13	ESCA	Others	251	362	189	802	113
CHD4	ESCA	Helicases	275	304	220	799	114
NCOR2	ESCA	Others	419	69	311	799	115
KAT6B	ESCA	HA_w	355	271	172	798	116
KDM5B	ESCA	HM_e	261	269	268	798	117
KANSL1	ESCA	HA_w	263	172	361	796	118
TAF1L	ESCA	HA_r	368	69	358	795	119
SETD1B	ESCA	HM_w	325	159	309	793	120
PRMT7	ESCA	HM_w	130	331	325	786	121
RPH3A	ESCA	Others	326	228	231	785	122
PCMT1	ESCA	Others	138	261	382	781	123
GATAD2B	ESCA	HM_r	33	381	363	777	124
AKAP1	ESCA	Others	231	286	259	776	125
KDM2B	ESCA	HM_e	336	170	269	775	126
IWS1	ESCA	Others	264	238	270	772	127
CBX6	ESCA	HM_r	277	215	276	768	128
EP300	ESCA	HA_w	409	69	290	768	129
BRD4	ESCA	HA_r	380	69	318	767	130

RNF17	ESCA	Others	385	256	124	765	131
PRMT5	ESCA	HM_w	195	198	370	763	132
NSD1	ESCA	HM_w	403	317	42	762	133
PAF1	ESCA	Others	77	334	349	760	134
MLLT6	ESCA	HM_w	82	364	313	759	135
KDM4D	ESCA	HM_e	210	296	250	756	136
SMYD2	ESCA	HM_w	53	289	414	756	137
BAZ1A	ESCA	HA_r	101	309	344	754	138
CBX8	ESCA	ChRC	227	306	221	754	139
ATAT1	ESCA	Others	104	371	278	753	140
MSH6	ESCA	HM_r	372	69	312	753	141
DNMT3A	ESCA	DM_w	309	69	374	752	142
ARID2	ESCA	ChRC	363	69	319	751	143
CHD9	ESCA	Helicases	400	213	138	751	144
H3F3A	ESCA	Others	89	278	383	750	145
MTA1	ESCA	ChRC	143	265	339	747	146
TCF20	ESCA	Others	367	155	225	747	147
PHF21B	ESCA	HM_r	298	69	371	738	148
PARP2	ESCA	Others	76	262	397	735	149
SIRT1	ESCA	HA_e	323	225	186	734	150
PADI3	ESCA	Others	204	337	191	732	151
PADI6	ESCA	Others	331	335	66	732	152
TDRD5	ESCA	Others	346	287	97	730	153
HNF1A	ESCA	ChRC	358	174	197	729	154
RBBP5	ESCA	ChRC	125	197	407	729	155
PRKCD	ESCA	Others	247	69	412	728	156
SIN3B	ESCA	ChRC	193	226	308	727	157
CHD1	ESCA	Helicases	379	305	42	726	158
NCOR1	ESCA	ChRC	332	264	130	726	159
LBR	ESCA	Others	145	266	314	725	160
USP51	ESCA	Others	236	246	242	724	161
SMYD1	ESCA	HM_w	347	193	183	723	162
SMARCD3	ESCA	Helicases	187	290	243	720	163
DPF2	ESCA	Others	95	282	341	718	164
FKBP1A	ESCA	Others	91	243	384	718	165

CBX2	ESCA	ChRC	43	308	366	717	166
KDM1B	ESCA	HM_e	337	270	107	714	167
SP100	ESCA	HA_r	383	250	78	711	168
DMAP1	ESCA	Others	274	178	255	707	169
MBD1	ESCA	DM_r	260	376	71	707	170
KAT5	ESCA	HA_w	83	272	351	706	171
CDYL	ESCA	HM_r	172	369	163	704	172
FKBP5	ESCA	Others	220	348	136	704	173
PADI1	ESCA	Others	256	338	105	699	174
SMYD5	ESCA	HM_w	114	192	392	698	175
SUPT16H	ESCA	Others	185	191	322	698	176
L3MBTL3	ESCA	Others	209	318	169	696	177
NAP1L2	ESCA	Others	140	206	350	696	178
PRDM15	ESCA	HM_w	393	200	101	694	179
SIRT2	ESCA	HA_e	192	313	185	690	180
SMARCB1	ESCA	Helicases	189	194	306	689	181
TDRD3	ESCA	HM_r	320	247	118	685	182
SUV39H1	ESCA	HM_w	51	329	304	684	183
SHPRH	ESCA	Others	348	291	42	681	184
YY1	ESCA	ChRC	235	149	294	678	185
HR	ESCA	HM_e	267	301	108	676	186
PHF1	ESCA	HM_r	252	333	91	676	187
FBXO17	ESCA	Others	37	321	317	675	188
SUZ12	ESCA	ChRC	50	288	336	674	189
CBX1	ESCA	HM_r	44	284	343	671	190
TAF3	ESCA	HA_r	321	69	280	670	191
ING1	ESCA	HM_r	152	343	173	668	192
PHC1	ESCA	ChRC	254	204	210	668	193
RNF217	ESCA	Others	122	314	232	668	194
TDRD10	ESCA	Others	239	356	69	664	195
FBXL19	ESCA	Others	93	279	288	660	196
TDRD12	ESCA	Others	183	401	76	660	197
CREBBP	ESCA	HA_w	411	69	176	656	198
PRDM1	ESCA	HM_w	295	259	102	656	199
MBD5	ESCA	DM_r	373	69	213	655	200

CECR2	ESCA	HA_r	310	69	275	654	201
CXXC1	ESCA	Others	225	383	42	650	202
HDAC1	ESCA	HA_e	157	240	252	649	203
AEBP2	ESCA	HM_w	177	69	402	648	204
NCOA1	ESCA	HA_w	351	166	131	648	205
SETD3	ESCA	HM_w	119	158	368	645	206
SND1	ESCA	HM_r	241	358	42	641	207
PRMT1	ESCA	HM_w	132	161	347	640	208
SIN3A	ESCA	ChRC	324	69	245	638	209
TET1	ESCA	DM_e	284	189	165	638	210
HAT1	ESCA	HA_w	31	277	329	637	211
MTF2	ESCA	HM_r	302	69	266	637	212
ING5	ESCA	HM_r	213	69	353	635	213
ARID1B	ESCA	ChRC	423	69	142	634	214
BRWD3	ESCA	HA_r	342	69	222	633	215
PRDM2	ESCA	HM_w	134	332	167	633	216
BRD3	ESCA	HA_r	174	219	239	632	217
PHC2	ESCA	ChRC	300	203	129	632	218
TCF19	ESCA	Others	49	357	226	632	219
TAF1	ESCA	HA_r	322	190	119	631	220
ATRX	ESCA	Helicases	381	69	180	630	221
SMARCA1	ESCA	Helicases	190	195	244	629	222
CHD3	ESCA	Helicases	397	69	161	627	223
JADE2	ESCA	Others	317	69	241	627	224
PSIP1	ESCA	HM_r	327	258	42	627	225
TRIM66	ESCA	HA_r	237	187	203	627	226
DOT1L	ESCA	HM_w	339	244	42	625	227
JADE3	ESCA	Others	316	69	240	625	228
BRDT	ESCA	HA_r	311	218	95	624	229
KAT8	ESCA	HA_w	149	237	238	624	230
SCMH1	ESCA	Others	18	374	230	622	231
GTF3C4	ESCA	HA_w	158	210	253	621	232
BRWD1	ESCA	HA_r	360	217	42	619	233
CHAF1A	ESCA	ChRC	276	69	274	619	234
SETDB2	ESCA	HM_w	289	69	261	619	235

MEN1	ESCA	ChRC	24	234	360	618	236
WDR5	ESCA	ChRC	46	184	385	615	237
KIAA2026	ESCA	Others	374	69	171	614	238
NAP1L3	ESCA	Others	333	69	212	614	239
KDM4B	ESCA	HM_e	304	69	237	610	240
SSRP1	ESCA	Others	16	248	346	610	241
L3MBTL4	ESCA	Others	386	69	152	607	242
RNF20	ESCA	Others	123	160	324	607	243
TET2	ESCA	DM_e	392	69	143	604	244
ASXL3	ESCA	Others	420	69	114	603	245
HIST1H1B	ESCA	Others	359	69	174	602	246
HDAC5	ESCA	HA_e	217	275	109	601	247
BAZ2B	ESCA	HA_r	390	69	141	600	248
AFF1	ESCA	Others	364	69	164	597	249
KDM4E	ESCA	HM_e	148	295	154	597	250
DPF3	ESCA	HA_r	388	69	137	594	251
PHRF1	ESCA	Others	199	69	326	594	252
EZH1	ESCA	HM_w	221	211	160	592	253
SIRT4	ESCA	HA_e	58	196	337	591	254
ACTL6B	ESCA	ChRC	106	416	68	590	255
KDM3B	ESCA	HM_e	376	169	42	587	256
RNF2	ESCA	ChRC	66	255	264	585	257
SP140L	ESCA	HA_r	286	222	77	585	258
CBX4	ESCA	HM_r	98	307	179	584	259
HDAC4	ESCA	HA_e	405	69	110	584	260
POLE3	ESCA	ChRC	20	165	396	581	261
PHF10	ESCA	Others	137	233	209	579	262
ATM	ESCA	Others	425	69	83	577	263
PRDM7	ESCA	HM_w	133	162	282	577	264
MLLT10	ESCA	HM_w	258	69	248	575	265
PHF8	ESCA	Others	297	69	208	574	266
MSL3	ESCA	HA_w	81	339	150	570	267
PRDM11	ESCA	HM_w	135	202	233	570	268
SIRT7	ESCA	HA_e	56	252	260	568	269
HDAC8	ESCA	HA_e	30	239	298	567	270

EPC2	ESCA	Others	165	69	331	565	271
PHF19	ESCA	HM_r	201	69	295	565	272
FBXO44	ESCA	Others	36	367	159	562	273
HDAC7	ESCA	HA_e	155	209	198	562	274
PBRM1	ESCA	HA_r	398	69	93	560	275
PHF21A	ESCA	HM_r	200	232	128	560	276
ELP3	ESCA	HA_w	166	349	42	557	277
HIST1H3B	ESCA	Others	268	69	218	555	278
KDM6B	ESCA	HM_e	352	69	132	553	279
JADE1	ESCA	Others	281	69	202	552	280
HDAC11	ESCA	HA_e	156	276	111	543	281
MTA2	ESCA	ChRC	142	208	193	543	282
CARM1	ESCA	HM_w	173	69	300	542	283
SETMAR	ESCA	HM_w	60	292	187	539	284
PRMT3	ESCA	HM_w	131	199	207	537	285
BRD7	ESCA	HA_r	313	181	42	536	286
PCGF1	ESCA	Others	139	205	190	534	287
UBR7	ESCA	Others	48	150	335	533	288
ARID1A	ESCA	ChRC	421	69	42	532	289
TDRD9	ESCA	Others	319	69	144	532	290
RING1	ESCA	Others	67	359	100	526	291
SMARCA4	ESCA	Helicases	415	69	42	526	292
GTF2F1	ESCA	Others	307	176	42	525	293
TDRD1	ESCA	Others	285	153	85	523	294
RPS6KA5	ESCA	Others	245	69	205	519	295
JMJD8	ESCA	HM_e	84	299	134	517	296
KDM1A	ESCA	HM_e	211	171	133	515	297
PRDM13	ESCA	HM_w	197	69	247	513	298
CDYL2	ESCA	HM_r	171	179	162	512	299
UHRF1	ESCA	DM_r	282	185	42	509	300
RAI1	ESCA	Others	292	69	147	508	301
SIRT5	ESCA	HA_e	57	330	120	507	302
ING2	ESCA	HM_r	85	378	42	505	303
TRIM24	ESCA	HA_r	318	69	116	503	304
KDM5C	ESCA	HM_e	147	69	286	502	305

PRDM6	ESCA	HM_w	294	163	42	499	306
SMARCD1	ESCA	Helicases	115	156	227	498	307
KDM8	ESCA	HM_e	26	235	236	497	308
SP110	ESCA	HA_r	186	224	86	496	309
HIST1H1C	ESCA	Others	269	69	157	495	310
KDM4C	ESCA	HM_e	354	69	72	495	311
SIRT3	ESCA	HA_e	191	157	146	494	312
CBX5	ESCA	HM_r	97	216	178	491	313
TDRD7	ESCA	Others	112	152	224	488	314
ARID4A	ESCA	ChRC	230	183	74	487	315
KAT2B	ESCA	HA_w	356	69	62	487	316
PPARGC1A	ESCA	Others	329	69	89	487	317
SMYD3	ESCA	HM_w	17	69	398	484	318
AICDA	ESCA	DM_e	176	221	84	481	319
PRDM10	ESCA	HM_w	370	69	42	481	320
RBBP4	ESCA	ChRC	126	229	125	480	321
UBE2A	ESCA	Others	14	186	279	479	322
SFMBT2	ESCA	Others	288	69	121	478	323
RBBP7	ESCA	ChRC	124	69	281	474	324
RAG2	ESCA	HM_r	127	257	87	471	325
TDG	ESCA	ChRC	113	154	204	471	326
TP53BP1	ESCA	Others	283	69	117	469	327
HSPBAP1	ESCA	Others	29	395	42	466	328
PADI4	ESCA	Others	78	336	42	456	329
UTY	ESCA	HM_e	345	69	42	456	330
SCML2	ESCA	HM_r	120	69	263	452	331
PRDM8	ESCA	HM_w	248	69	126	443	332
HIRA	ESCA	Others	215	69	158	442	333
NAP1L1	ESCA	Others	80	167	192	439	334
BRD8	ESCA	HA_r	229	69	140	438	335
CHAF1B	ESCA	ChRC	226	69	139	434	336
MORF4L1	ESCA	HM_r	257	69	106	432	337
FKBP2	ESCA	Others	35	177	219	431	338
ZMYND11	ESCA	HA_r	180	69	182	431	339
HDAC2	ESCA	HA_e	88	69	272	429	340

L3MBTL2	ESCA	Others	146	69	214	429	341
GLYR1	ESCA	HM_r	160	69	199	428	342
BMI1	ESCA	ChRC	100	69	257	426	343
BRD1	ESCA	HA_r	314	69	42	425	344
HELLS	ESCA	Helicases	270	69	81	420	345
ERCC5	ESCA	Others	94	280	42	416	346
MTA3	ESCA	ChRC	205	168	42	415	347
PRDM5	ESCA	HM_w	196	69	149	414	348
SETD7	ESCA	HM_w	61	227	123	411	349
HIF1AN	ESCA	Others	87	69	251	407	350
MBD3	ESCA	DM_r	144	69	194	407	351
PHIP	ESCA	HA_r	296	69	42	407	352
HDAC10	ESCA	HA_e	219	69	112	400	353
ZCWPW2	ESCA	HM_r	108	69	223	400	354
HDGFL1	ESCA	Others	154	69	175	398	355
MUM1	ESCA	Others	141	207	42	390	356
SUV39H2	ESCA	HM_w	15	69	303	387	357
PWWP2B	ESCA	Others	68	69	246	383	358
UBE2I	ESCA	Others	12	69	302	383	359
GTF2H1	ESCA	Others	159	175	42	376	360
INO80	ESCA	Helicases	265	69	42	376	361
IDH1	ESCA	DM_e	86	69	217	372	362
PCGF6	ESCA	Others	203	69	92	364	363
PYGO1	ESCA	HM_r	129	69	166	364	364
PRDM4	ESCA	HM_w	72	164	127	363	365
FBXW9	ESCA	Others	92	69	200	361	366
SETD6	ESCA	HM_w	62	69	229	360	367
PHF5A	ESCA	Others	21	69	265	355	368
SETD5	ESCA	HM_w	244	69	42	355	369
SMYD4	ESCA	HM_w	242	69	42	353	370
PHF6	ESCA	HM_r	73	231	42	346	371
AFF4	ESCA	Others	232	69	42	343	372
SP140	ESCA	HA_r	52	223	65	340	373
SCML4	ESCA	Others	194	69	70	333	374
SIRT6	ESCA	HA_e	117	69	145	331	375

HDAC3	ESCA	HA_e	218	69	42	329	376
PRKAA2	ESCA	Others	71	69	188	328	377
GTF2B	ESCA	Others	32	241	42	315	378
AIRE	ESCA	HM_r	175	69	67	311	379
DPY30	ESCA	Others	38	69	201	308	380
PHF7	ESCA	Others	136	69	103	308	381
PRDM12	ESCA	HM_w	19	201	88	308	382
SMNDC1	ESCA	Others	54	69	184	307	383
CBX7	ESCA	HM_r	42	180	82	304	384
DNMT3L	ESCA	DM_w	168	69	64	301	385
WDR82	ESCA	Others	11	245	42	298	386
H2AFZ	ESCA	Others	90	69	135	294	387
GADD45B	ESCA	Others	161	69	63	293	388
TRIM33	ESCA	HA_r	182	69	42	293	389
UHRF2	ESCA	DM_r	181	69	42	292	390
KDM7A	ESCA	HM_e	107	69	115	291	391
MARCH5	ESCA	Others	25	69	195	289	392
CLOCK	ESCA	HA_w	40	69	177	286	393
PRMT6	ESCA	HM_w	69	69	148	286	394
AURKB	ESCA	Others	103	69	113	285	395
SMARCC1	ESCA	Helicases	116	69	98	283	396
FXR2	ESCA	Others	162	69	42	273	397
ORC1	ESCA	Others	23	69	168	260	398
PADI2	ESCA	Others	79	69	104	252	399
SFMBT1	ESCA	HM_r	59	69	122	250	400
INTS12	ESCA	Others	28	173	42	243	401
UBE2B	ESCA	Others	13	151	75	239	402
RTF1	ESCA	Others	64	69	99	232	403
SETD4	ESCA	HM_w	118	69	42	229	404
UBE2E1	ESCA	Others	110	69	42	221	405
USP22	ESCA	Others	109	69	42	220	406
BAP1	ESCA	Others	102	69	42	213	407
SATB1	ESCA	Others	63	69	79	211	408
GADD45A	ESCA	Others	34	69	94	197	409
PCGF5	ESCA	Others	75	69	42	186	410

PHF11	ESCA	Others	74	69	42	185	411
PHF23	ESCA	HM_r	22	69	90	181	412
PRMT2	ESCA	HM_w	70	69	42	181	413
USP27X	ESCA	Others	47	69	42	158	414
CTCF	ESCA	Others	39	69	42	150	415
KDM5D	ESCA	HM_e	27	69	42	138	416
EZH2	GBM	HM_w	399	405	381	1185	1
HDAC9	GBM	HA_e	364	409	411	1184	2
KMT2C	GBM	HM_w	423	416	327	1166	3
ZCWPW1	GBM	HM_r	387	363	412	1162	4
CARM1	GBM	HM_w	373	371	413	1157	5
DNMT1	GBM	DM_w	368	382	390	1140	6
DOT1L	GBM	HM_w	335	417	388	1140	7
CHAF1A	GBM	ChRC	372	393	364	1129	8
MECOM	GBM	Others	416	379	333	1128	9
CLOCK	GBM	HA_w	405	426	288	1119	10
SND1	GBM	HM_r	292	414	404	1110	11
RBBP5	GBM	ChRC	299	425	385	1109	12
ATAD2	GBM	HA_r	379	348	360	1087	13
PHRF1	GBM	Others	395	367	324	1086	14
BAZ1B	GBM	HA_r	267	396	422	1085	15
AICDA	GBM	DM_e	403	384	296	1083	16
ARID1B	GBM	ChRC	382	362	320	1064	17
KDM5B	GBM	HM_e	319	380	352	1051	18
MSL3	GBM	HA_w	385	403	262	1050	19
SMARCA4	GBM	Helicases	277	400	368	1045	20
DIDO1	GBM	Others	369	280	394	1043	21
PHF20L1	GBM	HM_r	305	386	350	1041	22
MUM1	GBM	Others	216	415	399	1030	23
KIAA2026	GBM	Others	358	418	245	1021	24
ERCC5	GBM	Others	333	341	342	1016	25
ARID4B	GBM	ChRC	381	285	346	1012	26
KDM5A	GBM	HM_e	398	408	201	1007	27
MBD3	GBM	DM_r	224	389	391	1004	28
TAF3	GBM	HA_r	287	290	426	1003	29

BRD4	GBM	HA_r	264	345	393	1002	30
EHMT1	GBM	HM_w	251	369	382	1002	31
ZGPAT	GBM	Others	279	349	374	1002	32
KDM2B	GBM	HM_e	360	333	308	1001	33
CHRA1	GBM	ChRC	256	370	373	999	34
ARID2	GBM	ChRC	343	361	294	998	35
STK31	GBM	Others	391	407	184	982	36
POLR2B	GBM	Others	206	424	349	979	37
BRD3	GBM	HA_r	340	346	291	977	38
SMYD3	GBM	HM_w	294	375	298	967	39
KMT2A	GBM	HM_w	397	358	199	954	40
CBX3	GBM	HM_r	152	394	407	953	41
HDGF	GBM	Others	238	336	379	953	42
DPF1	GBM	ChRC	253	342	357	952	43
PARP1	GBM	Others	309	256	386	951	44
CDYL2	GBM	HM_r	401	215	330	946	45
NCOA3	GBM	HA_w	312	257	372	941	46
TRIM24	GBM	HA_r	170	364	406	940	47
KDM4D	GBM	HM_e	320	332	282	934	48
ATM	GBM	Others	402	309	219	930	49
DPF2	GBM	Others	252	279	392	923	50
FXR2	GBM	Others	332	276	314	922	51
PRMT8	GBM	HM_w	199	421	302	922	52
TDRD3	GBM	HM_r	173	352	395	920	53
ACTL6A	GBM	ChRC	164	423	332	919	54
KDM7A	GBM	HM_e	425	69	424	918	55
KDM4C	GBM	HM_e	97	419	400	916	56
KMT2E	GBM	HM_w	227	301	378	906	57
ACTL6B	GBM	ChRC	163	374	367	904	58
ATF7IP	GBM	Others	378	347	177	902	59
JADE3	GBM	Others	413	69	419	901	60
PAXIP1	GBM	Others	81	402	417	900	61
JADE1	GBM	Others	414	69	414	897	62
CHD8	GBM	Helicases	421	69	402	892	63
GTF3C4	GBM	HA_w	241	339	311	891	64

AEBP2	GBM	HM_w	162	397	331	890	65
CHD6	GBM	Helicases	400	343	146	889	66
KDM4B	GBM	HM_e	98	404	387	889	67
ASXL2	GBM	Others	341	284	261	886	68
HDAC2	GBM	HA_e	365	272	249	886	69
PADI6	GBM	Others	356	164	362	882	70
DMAP1	GBM	Others	255	307	317	879	71
AKAP1	GBM	Others	273	310	295	878	72
GATAD2A	GBM	HM_r	243	304	329	876	73
BOP 1	GBM	Others	158	372	345	875	74
CREBBP	GBM	HA_w	412	208	255	875	75
EPC1	GBM	Others	249	204	421	874	76
RAG2	GBM	HM_r	351	248	271	870	77
FBXO44	GBM	Others	247	306	316	869	78
PHF14	GBM	Others	73	378	416	867	79
ASH1L	GBM	HM_w	272	373	221	866	80
ING3	GBM	HM_r	112	391	363	866	81
TDRD7	GBM	Others	346	289	227	862	82
PHC3	GBM	ChRC	355	368	137	860	83
HIST1H1C	GBM	Others	327	190	341	858	84
JADE2	GBM	Others	384	69	403	856	85
USP22	GBM	Others	282	311	263	856	86
SCML2	GBM	HM_r	349	316	188	853	87
CHD5	GBM	Helicases	418	281	151	850	88
ING1	GBM	HM_r	236	303	310	849	89
GTF2H1	GBM	Others	331	197	312	840	90
RBBP4	GBM	ChRC	197	294	347	838	91
CHD7	GBM	Helicases	371	210	256	837	92
PAF1	GBM	Others	83	356	398	837	93
ASXL1	GBM	Others	380	69	383	832	94
SMARCD3	GBM	Helicases	181	376	266	823	95
GADD45B	GBM	Others	244	410	168	822	96
IDH1	GBM	DM_e	424	187	209	820	97
FBXW9	GBM	Others	134	305	380	819	98
SIRT6	GBM	HA_e	34	377	408	819	99

PADI3	GBM	Others	310	166	339	815	100
PRDM15	GBM	HM_w	408	69	338	815	101
CBX2	GBM	ChRC	338	219	257	814	102
HDAC4	GBM	HA_e	329	337	143	809	103
TDRKH	GBM	Others	276	233	297	806	104
TDRD1	GBM	Others	174	235	396	805	105
BRWD3	GBM	HA_r	374	69	359	802	106
GTF2F1	GBM	Others	127	274	401	802	107
CHD9	GBM	Helicases	420	209	172	801	108
SMARCA2	GBM	Helicases	347	412	42	801	109
LBR	GBM	Others	226	259	307	792	110
AURKB	GBM	Others	270	226	292	788	111
RNF17	GBM	Others	415	247	126	788	112
FMR1	GBM	Others	130	340	315	785	113
HLTF	GBM	Others	362	69	354	785	114
RAI1	GBM	Others	300	295	190	785	115
JMJD1C	GBM	HM_e	361	69	353	783	116
KDM1A	GBM	HM_e	231	266	283	780	117
CBX5	GBM	HM_r	150	308	319	777	118
NCOR1	GBM	ChRC	311	327	138	776	119
BRD8	GBM	HA_r	376	222	175	773	120
PRDM12	GBM	HM_w	352	320	99	771	121
ATR	GBM	Others	406	69	293	768	122
ARID1A	GBM	ChRC	386	229	152	767	123
SUPT16H	GBM	Others	288	69	410	767	124
CBX8	GBM	ChRC	261	216	289	766	125
DNMT3B	GBM	DM_w	336	69	358	763	126
KDM6A	GBM	HM_e	359	262	141	762	127
ASXL3	GBM	Others	271	227	260	758	128
BPTF	GBM	HA_r	409	224	125	758	129
JMJD6	GBM	HM_e	233	184	340	757	130
MECP2	GBM	DM_r	91	357	306	754	131
PRDM7	GBM	HM_w	202	249	303	754	132
USP51	GBM	Others	281	287	180	748	133
SMARCD2	GBM	Helicases	182	238	322	742	134

SIRT2	GBM	HA_e	165	353	223	741	135
AFF4	GBM	Others	275	286	178	739	136
SETD2	GBM	HM_w	404	292	42	738	137
SIN3B	GBM	ChRC	37	291	409	737	138
SMARCC2	GBM	Helicases	295	399	42	736	139
TDRD10	GBM	Others	390	234	112	736	140
EP400	GBM	HA_w	411	69	254	734	141
SETDB1	GBM	HM_w	187	244	300	731	142
BAZ2A	GBM	HA_r	266	420	42	728	143
TAF1	GBM	HA_r	410	136	182	728	144
HDAC10	GBM	HA_e	123	392	212	727	145
PHF20	GBM	HM_r	306	69	351	726	146
SETDB2	GBM	HM_w	41	385	299	725	147
HDAC7	GBM	HA_e	239	271	211	721	148
ING5	GBM	HM_r	110	302	309	721	149
MLLT6	GBM	HM_w	221	258	242	721	150
KMT2B	GBM	HM_w	417	261	42	720	151
GATAD2B	GBM	HM_r	129	275	313	717	152
ING2	GBM	HM_r	235	269	207	711	153
L3MBTL1	GBM	HM_r	316	69	326	711	154
HCFC1	GBM	Others	330	338	42	710	155
TDRD12	GBM	Others	25	312	369	706	156
CHD4	GBM	Helicases	257	406	42	705	157
L3MBTL4	GBM	Others	94	330	281	705	158
CHAF1B	GBM	ChRC	145	213	344	702	159
KDM4E	GBM	HM_e	229	331	142	702	160
PRDM2	GBM	HM_w	63	401	237	701	161
SETD5	GBM	HM_w	189	354	158	701	162
PCGF6	GBM	Others	211	69	420	700	163
CHD2	GBM	Helicases	337	212	147	696	164
KDM3A	GBM	HM_e	230	264	202	696	165
KDM6B	GBM	HM_e	317	177	200	694	166
L3MBTL2	GBM	Others	96	175	418	689	167
TDG	GBM	ChRC	285	69	335	689	168
BRD9	GBM	HA_r	263	383	42	688	169

HAT1	GBM	HA_w	240	195	250	685	170
MPHOSPH8	GBM	HM_r	314	329	42	685	171
MBD5	GBM	DM_r	315	172	197	684	172
TET2	GBM	DM_e	284	133	264	681	173
PHC2	GBM	ChRC	77	299	304	680	174
PRKCD	GBM	Others	394	154	132	680	175
PHF1	GBM	HM_r	354	163	162	679	176
RNF217	GBM	Others	195	293	189	677	177
TDRD6	GBM	Others	389	134	154	677	178
HDAC1	GBM	HA_e	124	194	356	674	179
HDAC8	GBM	HA_e	119	270	285	674	180
PHF2	GBM	Others	307	325	42	674	181
ELP4	GBM	HA_w	250	381	42	673	182
JARID2	GBM	ChRC	323	185	165	673	183
RPA3	GBM	Others	47	355	270	672	184
CHD1L	GBM	Helicases	259	69	343	671	185
PYGO2	GBM	HM_r	51	296	323	670	186
HDAC3	GBM	HA_e	121	193	355	669	187
PHF8	GBM	Others	303	323	42	668	188
CXXC1	GBM	Others	142	207	318	667	189
NAP1L3	GBM	Others	88	300	279	667	190
CBX4	GBM	HM_r	151	218	290	659	191
SCMH1	GBM	Others	191	69	397	657	192
SP140	GBM	HA_r	289	139	229	657	193
KMT2D	GBM	HM_w	407	69	179	655	194
PBRM1	GBM	HA_r	308	69	278	655	195
AIRE	GBM	HM_r	274	230	149	653	196
SMARCA1	GBM	Helicases	297	313	42	652	197
PRDM13	GBM	HM_w	302	156	193	651	198
PHF12	GBM	Others	353	252	42	647	199
HDAC6	GBM	HA_e	328	69	248	645	200
SUV39H1	GBM	HM_w	178	237	228	643	201
EED	GBM	ChRC	138	360	144	642	202
HNF1A	GBM	ChRC	326	69	247	642	203
PRDM11	GBM	HM_w	205	321	116	642	204

PRDM9	GBM	HM_w	422	69	150	641	205
HDAC5	GBM	HA_e	120	192	328	640	206
PHC1	GBM	ChRC	210	388	42	640	207
UBR7	GBM	Others	18	232	389	639	208
PRDM10	GBM	HM_w	64	297	275	636	209
AFF1	GBM	Others	344	69	222	635	210
HR	GBM	HM_e	237	188	210	635	211
KAT5	GBM	HA_w	322	268	42	632	212
CBX1	GBM	HM_r	153	220	258	631	213
KDM1B	GBM	HM_e	321	265	42	628	214
FKBP5	GBM	Others	131	277	215	623	215
UHRF2	GBM	DM_r	168	413	42	623	216
MSH6	GBM	HM_r	357	69	196	622	217
NAP1L2	GBM	Others	313	170	139	622	218
RTF1	GBM	Others	166	69	384	619	219
SFMBT1	GBM	HM_r	39	242	336	617	220
EP300	GBM	HA_w	366	205	42	613	221
ARID4A	GBM	ChRC	342	228	42	612	222
H3F3A	GBM	Others	125	273	213	611	223
YY1	GBM	ChRC	167	69	375	611	224
TDRD9	GBM	Others	388	69	153	610	225
INO80	GBM	Helicases	109	334	166	609	226
MEN1	GBM	ChRC	396	171	42	609	227
NAP1L1	GBM	Others	215	69	325	609	228
ING4	GBM	HM_r	111	390	107	608	229
SIRT1	GBM	HA_e	36	145	425	606	230
CBX7	GBM	HM_r	148	282	174	604	231
BRPF3	GBM	HA_r	339	221	42	602	232
KAT6B	GBM	HA_w	232	267	103	602	233
PPARGC1A	GBM	Others	66	298	238	602	234
GADD45A	GBM	Others	245	69	287	601	235
HIF1AN	GBM	Others	116	69	415	600	236
RPH3A	GBM	Others	194	69	337	600	237
PHF11	GBM	Others	75	387	136	598	238
PHF21B	GBM	HM_r	70	251	277	598	239

PHF13	GBM	Others	74	162	361	597	240
ASH2L	GBM	HM_w	161	69	366	596	241
BRD1	GBM	HA_r	157	395	42	594	242
SETD1B	GBM	HM_w	44	315	235	594	243
TAF1L	GBM	HA_r	419	69	106	594	244
BAZ1A	GBM	HA_r	268	283	42	593	245
EPC2	GBM	Others	137	203	253	593	246
SIRT3	GBM	HA_e	186	365	42	593	247
CHD3	GBM	Helicases	258	211	123	592	248
PHF19	GBM	HM_r	72	326	194	592	249
SMYD5	GBM	HM_w	293	69	230	592	250
BRD2	GBM	HA_r	156	69	365	590	251
MTA1	GBM	ChRC	219	328	42	589	252
SP110	GBM	HA_r	290	140	156	586	253
MARCH5	GBM	Others	93	69	423	585	254
CBX6	GBM	HM_r	149	217	217	583	255
SETD1A	GBM	HM_w	393	148	42	583	256
SHPRH	GBM	Others	298	241	42	581	257
PRMT2	GBM	HM_w	57	153	370	580	258
SIN3A	GBM	ChRC	348	69	157	574	259
H2AFZ	GBM	Others	126	196	251	573	260
PCGF2	GBM	Others	79	254	239	572	261
MBTD1	GBM	Others	222	69	280	571	262
KAT2B	GBM	HA_w	105	181	284	570	263
RPS6KA5	GBM	Others	193	245	131	569	264
BRDT	GBM	HA_r	375	69	124	568	265
RNF2	GBM	ChRC	196	69	301	566	266
PRKAA2	GBM	Others	59	155	348	562	267
SP100	GBM	HA_r	291	141	129	561	268
TET1	GBM	DM_e	171	288	97	556	269
L3MBTL3	GBM	Others	95	260	198	553	270
RSF1	GBM	ChRC	192	317	42	551	271
BRWD1	GBM	HA_r	262	69	218	549	272
PRDM16	GBM	HM_w	204	69	274	547	273
PRDM8	GBM	HM_w	201	69	273	543	274

RNF40	GBM	Others	350	150	42	542	275
BRPF1	GBM	HA_r	154	344	42	540	276
PYGO1	GBM	HM_r	198	151	191	540	277
ATRX	GBM	Helicases	426	69	42	537	278
BAP1	GBM	Others	269	225	42	536	279
FBXO17	GBM	Others	135	359	42	536	280
MBD4	GBM	DM_r	223	69	243	535	281
KAT2A	GBM	HA_w	106	182	246	534	282
CECR2	GBM	HA_r	146	214	173	533	283
PRDM14	GBM	HM_w	301	69	161	531	284
G2E3	GBM	Others	246	69	214	529	285
RBBP7	GBM	ChRC	50	318	159	527	286
DPF3	GBM	HA_r	140	278	108	526	287
KDM8	GBM	HM_e	228	176	121	525	288
NCOA1	GBM	HA_w	214	69	241	524	289
TET3	GBM	DM_e	345	69	110	524	290
POLE3	GBM	ChRC	67	322	134	523	291
PHF10	GBM	Others	76	69	377	522	292
SIRT5	GBM	HA_e	185	69	267	521	293
PSIP1	GBM	HM_r	53	422	42	517	294
DPY30	GBM	Others	139	206	171	516	295
SUV39H2	GBM	HM_w	177	236	98	511	296
BAZ2B	GBM	HA_r	265	69	176	510	297
MBD2	GBM	DM_r	92	173	244	509	298
EZH1	GBM	HM_w	136	202	170	508	299
SIRT4	GBM	HA_e	35	240	232	507	300
PHF3	GBM	Others	304	160	42	506	301
SMARCB1	GBM	Helicases	32	69	405	506	302
PHF7	GBM	Others	69	159	276	504	303
SRCAP	GBM	Others	392	69	42	503	304
NSD1	GBM	HM_w	213	169	120	502	305
FKBP2	GBM	Others	132	199	169	500	306
PHF6	GBM	HM_r	207	250	42	499	307
PRMT1	GBM	HM_w	58	69	371	498	308
KANSL1	GBM	HA_w	107	183	206	496	309

HELLS	GBM	Helicases	117	335	42	494	310
KDM5D	GBM	HM_e	383	69	42	494	311
FBXL19	GBM	Others	248	201	42	491	312
ATAD2B	GBM	HA_r	160	69	259	488	313
BMI1	GBM	ChRC	377	69	42	488	314
KAT8	GBM	HA_w	102	180	203	485	315
TRIM66	GBM	HA_r	23	351	109	483	316
GLYR1	GBM	HM_r	242	198	42	482	317
DAXX	GBM	ChRC	370	69	42	481	318
EHMT2	GBM	HM_w	367	69	42	478	319
SIRT7	GBM	HA_e	33	69	376	478	320
CHD1	GBM	Helicases	260	69	148	477	321
HDAC11	GBM	HA_e	122	69	286	477	322
HDGFL1	GBM	Others	118	191	167	476	323
HIRA	GBM	Others	363	69	42	474	324
NCOR2	GBM	Others	278	69	127	474	325
DNMT3L	GBM	DM_w	254	69	145	468	326
TCEA1	GBM	Others	175	135	155	465	327
ZMYND11	GBM	HA_r	12	411	42	465	328
SATB1	GBM	Others	46	149	269	464	329
SMARCD1	GBM	Helicases	183	239	42	464	330
INTS12	GBM	Others	234	186	42	462	331
PRMT3	GBM	HM_w	200	69	192	461	332
PWWP2B	GBM	Others	52	366	42	460	333
UHRF1	GBM	DM_r	17	398	42	457	334
FKBP1A	GBM	Others	133	200	122	455	335
PCGF1	GBM	Others	80	69	305	454	336
SFMBT2	GBM	Others	38	314	102	454	337
MORF4L1	GBM	HM_r	220	69	163	452	338
GTF2B	GBM	Others	128	69	252	449	339
PCMT1	GBM	Others	78	253	118	449	340
ATAT1	GBM	Others	159	69	220	448	341
PADI2	GBM	Others	85	167	195	447	342
ELP3	GBM	HA_w	334	69	42	445	343
KDM3B	GBM	HM_e	100	178	164	442	344

MBD1	GBM	DM_r	225	174	42	441	345
SMARCC1	GBM	Helicases	184	69	187	440	346
PHF21A	GBM	HM_r	71	324	42	437	347
HSPBAP1	GBM	Others	325	69	42	436	348
IWS1	GBM	Others	324	69	42	435	349
SMYD2	GBM	HM_w	180	69	186	435	350
CSTL1	GBM	Others	144	69	216	429	351
KDM5C	GBM	HM_e	318	69	42	429	352
SUZ12	GBM	ChRC	176	69	183	428	353
SETD4	GBM	HM_w	43	147	234	424	354
PRDM4	GBM	HM_w	62	319	42	423	355
UBE2I	GBM	Others	19	69	334	422	356
SETD7	GBM	HM_w	42	146	233	421	357
BRD7	GBM	HA_r	155	223	42	420	358
TRIM28	GBM	HA_r	24	69	321	414	359
SETMAR	GBM	HM_w	40	243	130	413	360
PHF23	GBM	HM_r	209	161	42	412	361
PHF5A	GBM	Others	208	69	135	412	362
SMARCA5	GBM	Helicases	296	69	42	407	363
TRIM33	GBM	HA_r	169	132	105	406	364
WDR5	GBM	ChRC	14	350	42	406	365
PRDM5	GBM	HM_w	203	69	133	405	366
HIST1H3B	GBM	Others	114	189	101	404	367
KDM4A	GBM	HM_e	99	263	42	404	368
SMYD1	GBM	HM_w	29	143	231	403	369
TCF20	GBM	Others	286	69	42	397	370
ORC1	GBM	Others	87	69	240	396	371
PRMT7	GBM	HM_w	54	69	272	395	372
TP53BP1	GBM	Others	283	69	42	394	373
WDR82	GBM	Others	280	69	42	391	374
IDH2	GBM	DM_e	113	69	208	390	375
SCML4	GBM	Others	45	69	268	382	376
PCGF5	GBM	Others	212	69	100	381	377
PARP2	GBM	Others	82	255	42	379	378
KAT6A	GBM	HA_w	104	69	205	378	379

KAT7	GBM	HA_w	103	69	204	376	380
UBE2E1	GBM	Others	20	130	225	375	381
PADI1	GBM	Others	86	168	119	373	382
SETD6	GBM	HM_w	188	69	115	372	383
PRMT6	GBM	HM_w	55	152	160	367	384
PRKAA1	GBM	Others	60	69	236	365	385
ZMYND8	GBM	HA_r	11	128	224	363	386
TCF19	GBM	Others	26	69	265	360	387
SSRP1	GBM	Others	179	137	42	358	388
SMYD4	GBM	HM_w	28	142	185	355	389
TDRD5	GBM	Others	172	69	111	352	390
PRDM1	GBM	HM_w	65	157	117	339	391
RNF20	GBM	Others	48	246	42	336	392
UBE2B	GBM	Others	21	131	181	333	393
MTA2	GBM	ChRC	218	69	42	329	394
MTA3	GBM	ChRC	217	69	42	328	395
KDM2A	GBM	HM_e	101	179	42	322	396
UBE2A	GBM	Others	22	69	226	317	397
SETD3	GBM	HM_w	190	69	42	301	398
MTF2	GBM	HM_r	89	69	140	298	399
PADI4	GBM	Others	84	165	42	291	400
USP27X	GBM	Others	16	231	42	289	401
HIST1H1B	GBM	Others	115	69	104	288	402
SP140L	GBM	HA_r	27	138	113	278	403
ZCWPW2	GBM	HM_r	13	129	128	270	404
PHIP	GBM	HA_r	68	158	42	268	405
CDYL	GBM	HM_r	147	69	42	258	406
CTCF	GBM	Others	143	69	42	254	407
DNMT3A	GBM	DM_w	141	69	42	252	408
JMJD8	GBM	HM_e	108	69	42	219	409
SMARCE1	GBM	Helicases	31	144	42	217	410
SMNDC1	GBM	Others	30	69	114	213	411
MLLT10	GBM	HM_w	90	69	42	201	412
PRDM6	GBM	HM_w	61	69	42	172	413
PRMT5	GBM	HM_w	56	69	42	167	414

RING1	GBM	Others	49	69	42	160	415
UTY	GBM	HM_e	15	69	42	126	416
ATR	HNSC	Others	412	422	424	1258	1
ASXL1	HNSC	Others	398	379	417	1194	2
CHD7	HNSC	Helicases	414	395	385	1194	3
PHF20L1	HNSC	HM_r	341	419	419	1179	4
EHMT1	HNSC	HM_w	371	391	393	1155	5
KMT2E	HNSC	HM_w	391	393	369	1153	6
BRD9	HNSC	HA_r	314	416	420	1150	7
PHF3	HNSC	Others	404	382	360	1146	8
HIRA	HNSC	Others	364	385	392	1141	9
CHD8	HNSC	Helicases	394	346	400	1140	10
RSF1	HNSC	ChRC	359	407	367	1133	11
PHC3	HNSC	ChRC	278	424	426	1128	12
ATAD2	HNSC	HA_r	353	418	354	1125	13
KDM5A	HNSC	HM_e	322	400	403	1125	14
CHD4	HNSC	Helicases	387	362	362	1111	15
HDAC9	HNSC	HA_e	393	374	344	1111	16
DNMT3B	HNSC	DM_w	365	392	349	1106	17
SUPT16H	HNSC	Others	358	339	408	1105	18
MECOM	HNSC	Others	380	425	294	1099	19
SETDB1	HNSC	HM_w	337	352	398	1087	20
HLTF	HNSC	Others	237	423	423	1083	21
PHF20	HNSC	HM_r	330	355	394	1079	22
PRKAA1	HNSC	Others	254	408	414	1076	23
KDM2A	HNSC	HM_e	236	415	416	1067	24
ACTL6A	HNSC	ChRC	215	426	425	1066	25
STK31	HNSC	Others	316	364	386	1066	26
KAT5	HNSC	HA_w	264	404	395	1063	27
SMARCA4	HNSC	Helicases	411	299	351	1061	28
KDM4C	HNSC	HM_e	235	414	406	1055	29
BRD4	HNSC	HA_r	373	313	356	1042	30
MTA2	HNSC	ChRC	301	356	375	1032	31
KDM6A	HNSC	HM_e	389	399	228	1016	32
TAF1L	HNSC	HA_r	418	381	215	1014	33

KDM5C	HNSC	HM_e	321	367	321	1009	34
ARID4A	HNSC	ChRC	355	316	333	1004	35
KAT6A	HNSC	HA_w	346	403	243	992	36
PRDM11	HNSC	HM_w	256	373	359	988	37
ASH1L	HNSC	HM_w	382	315	289	986	38
SETD3	HNSC	HM_w	193	377	415	985	39
PRDM14	HNSC	HM_w	319	396	262	977	40
BAZ1B	HNSC	HA_r	244	336	396	976	41
DIDO1	HNSC	Others	410	167	399	976	42
CHRA1	HNSC	ChRC	132	421	422	975	43
GTF3C4	HNSC	HA_w	284	345	345	974	44
L3MBTL4	HNSC	Others	280	398	295	973	45
KMT2A	HNSC	HM_w	415	343	213	971	46
PHF14	HNSC	Others	196	365	409	970	47
HCFC1	HNSC	Others	308	394	267	969	48
DAXX	HNSC	ChRC	309	251	407	967	49
PAXIP1	HNSC	Others	257	328	382	967	50
DNMT1	HNSC	DM_w	372	277	305	954	51
KMT2C	HNSC	HM_w	424	384	146	954	52
MBD4	HNSC	DM_r	123	409	421	953	53
DPF2	HNSC	Others	175	406	371	952	54
ARID4B	HNSC	ChRC	292	281	378	951	55
DNMT3A	HNSC	DM_w	401	208	342	951	56
RNF20	HNSC	Others	276	284	391	951	57
EHMT2	HNSC	HM_w	350	289	311	950	58
ARID2	HNSC	ChRC	403	256	290	949	59
SRCAP	HNSC	Others	416	142	390	948	60
PRDM9	HNSC	HM_w	422	402	117	941	61
MEN1	HNSC	ChRC	161	366	405	932	62
ATM	HNSC	Others	390	347	189	926	63
BAZ1A	HNSC	HA_r	213	337	373	923	64
BRWD1	HNSC	HA_r	377	278	256	911	65
ELP4	HNSC	HA_w	286	274	348	908	66
ATAD2B	HNSC	HA_r	366	213	328	907	67
MECP2	HNSC	DM_r	122	397	388	907	68

TDRD6	HNSC	Others	396	318	180	894	69
TDRD5	HNSC	Others	326	229	336	891	70
CTCF	HNSC	Others	385	252	246	883	71
SSRP1	HNSC	Others	190	319	374	883	72
BRD3	HNSC	HA_r	135	370	377	882	73
HDAC4	HNSC	HA_e	349	361	166	876	74
RNF40	HNSC	Others	318	148	410	876	75
EP400	HNSC	HA_w	423	166	286	875	76
SETD2	HNSC	HM_w	338	261	275	874	77
TCEA1	HNSC	Others	56	401	413	870	78
IWS1	HNSC	Others	265	223	381	869	79
PARP2	HNSC	Others	157	329	383	869	80
BOP 1	HNSC	Others	30	420	418	868	81
ATF7IP	HNSC	Others	315	314	235	864	82
AKAP1	HNSC	Others	334	172	357	863	83
PHF21A	HNSC	HM_r	229	354	278	861	84
GATAD2B	HNSC	HM_r	170	309	376	855	85
SETD1A	HNSC	HM_w	368	146	338	852	86
SIN3B	HNSC	ChRC	328	183	337	848	87
KIAA2026	HNSC	Others	392	412	42	846	88
PARP1	HNSC	Others	258	266	318	842	89
KDM4A	HNSC	HM_e	263	268	309	840	90
MLLT6	HNSC	HM_w	303	221	303	827	91
TDRKH	HNSC	Others	186	293	346	825	92
CREBBP	HNSC	HA_w	421	69	331	821	93
TET3	HNSC	DM_e	295	174	350	819	94
WDR5	HNSC	ChRC	53	363	402	818	95
KDM2B	HNSC	HM_e	375	157	285	817	96
RAI1	HNSC	Others	329	262	225	816	97
BRPF3	HNSC	HA_r	312	211	288	811	98
HAT1	HNSC	HA_w	82	375	353	810	99
HDAC6	HNSC	HA_e	282	360	165	807	100
HR	HNSC	HM_e	281	390	136	807	101
NCOA3	HNSC	HA_w	370	69	368	807	102
KMT2D	HNSC	HM_w	426	193	186	805	103

PRMT5	HNSC	HM_w	108	285	411	804	104
BAZ2B	HNSC	HA_r	407	69	327	803	105
NCOA1	HNSC	HA_w	342	190	264	796	106
RBBP7	HNSC	ChRC	222	378	195	795	107
PRMT8	HNSC	HM_w	225	387	182	794	108
CXXC1	HNSC	Others	352	335	105	792	109
MBD2	HNSC	DM_r	24	388	380	792	110
KDM5B	HNSC	HM_e	345	246	198	789	111
HDGF	HNSC	Others	166	270	352	788	112
PAF1	HNSC	Others	259	330	197	786	113
KMT2B	HNSC	HM_w	409	332	42	783	114
IDH1	HNSC	DM_e	163	344	272	779	115
TCF20	HNSC	Others	327	176	273	776	116
TET1	HNSC	DM_e	356	215	205	776	117
PHC1	HNSC	ChRC	116	342	317	775	118
PRDM15	HNSC	HM_w	255	324	196	775	119
PHF19	HNSC	HM_r	155	327	292	774	120
KAT6B	HNSC	HA_w	306	247	218	771	121
BAZ2A	HNSC	HA_r	291	171	306	768	122
PSIP1	HNSC	HM_r	339	386	42	767	123
CDYL2	HNSC	HM_r	289	254	214	757	124
RAG2	HNSC	HM_r	251	372	133	756	125
MTA1	HNSC	ChRC	302	69	384	755	126
PHF12	HNSC	Others	230	241	283	754	127
AEBP2	HNSC	HM_w	31	317	404	752	128
CLOCK	HNSC	HA_w	287	311	154	752	129
BRDT	HNSC	HA_r	313	169	268	750	130
CBX3	HNSC	HM_r	49	312	389	750	131
SMARCC2	HNSC	Helicases	298	143	307	748	132
PRKCD	HNSC	Others	153	236	358	747	133
PBRM1	HNSC	HA_r	379	265	102	746	134
L3MBTL2	HNSC	Others	233	192	320	745	135
DOT1L	HNSC	HM_w	351	69	323	743	136
SCML2	HNSC	HM_r	150	353	239	742	137
JMJD1C	HNSC	HM_e	406	288	42	736	138

POLE3	HNSC	ChRC	23	325	387	735	139
NSD1	HNSC	HM_w	425	267	42	734	140
ARID1B	HNSC	ChRC	399	292	42	733	141
BRWD3	HNSC	HA_r	408	69	255	732	142
FBXO17	HNSC	Others	88	333	310	731	143
BRD8	HNSC	HA_r	333	170	223	726	144
NCOR2	HNSC	Others	405	69	252	726	145
TDRD7	HNSC	Others	55	259	412	726	146
ING4	HNSC	HM_r	25	358	341	724	147
KAT2A	HNSC	HA_w	205	196	322	723	148
PYGO2	HNSC	HM_r	35	303	379	717	149
SMARCB1	HNSC	Helicases	60	260	397	717	150
ARID1A	HNSC	ChRC	417	257	42	716	151
NCOR1	HNSC	ChRC	388	286	42	716	152
SP100	HNSC	HA_r	296	320	100	716	153
JARID2	HNSC	ChRC	348	69	297	714	154
CHD3	HNSC	Helicases	397	69	247	713	155
ING5	HNSC	HM_r	207	357	147	711	156
RNF2	HNSC	ChRC	64	302	343	709	157
CHD1L	HNSC	Helicases	267	69	372	708	158
HDAC10	HNSC	HA_e	209	201	298	708	159
ACTL6B	HNSC	ChRC	214	410	82	706	160
PHC2	HNSC	ChRC	279	243	184	706	161
TAF1	HNSC	HA_r	367	69	269	705	162
FBXL19	HNSC	Others	173	165	366	704	163
BRPF1	HNSC	HA_r	270	69	363	702	164
RING1	HNSC	Others	152	234	316	702	165
ING3	HNSC	HM_r	125	308	266	699	166
MSH6	HNSC	HM_r	160	245	293	698	167
PRDM12	HNSC	HM_w	112	341	241	694	168
CHD6	HNSC	Helicases	402	69	222	693	169
HDAC5	HNSC	HA_e	239	200	254	693	170
PHF1	HNSC	HM_r	231	242	216	689	171
SMARCE1	HNSC	Helicases	144	230	315	689	172
LBR	HNSC	Others	40	287	361	688	173

YY1	HNSC	ChRC	218	69	401	688	174
PCGF1	HNSC	Others	156	189	340	685	175
SP140L	HNSC	HA_r	248	296	141	685	176
TRIM28	HNSC	HA_r	93	228	364	685	177
CECR2	HNSC	HA_r	381	69	233	683	178
SETD6	HNSC	HM_w	149	233	301	683	179
SCMH1	HNSC	Others	105	301	276	682	180
SMARCA1	HNSC	Helicases	191	321	170	682	181
SETDB2	HNSC	HM_w	147	322	210	679	182
SUV39H1	HNSC	HM_w	189	350	140	679	183
ASXL3	HNSC	Others	419	69	190	678	184
KDM3A	HNSC	HM_e	200	194	284	678	185
ATAT1	HNSC	Others	137	291	248	676	186
EZH2	HNSC	HM_w	210	334	130	674	187
FMR1	HNSC	Others	86	368	220	674	188
SP140	HNSC	HA_r	249	297	126	672	189
CHD2	HNSC	Helicases	376	253	42	671	190
SMARCD3	HNSC	Helicases	219	351	101	671	191
TDRD1	HNSC	Others	357	175	139	671	192
RPA3	HNSC	Others	21	340	308	669	193
PHF2	HNSC	Others	300	326	42	668	194
PRMT2	HNSC	HM_w	67	323	277	667	195
FKBP2	HNSC	Others	87	376	200	663	196
ZMYND11	HNSC	HA_r	272	349	42	663	197
ZMYND8	HNSC	HA_r	294	69	300	663	198
SFMBT2	HNSC	Others	384	69	209	662	199
CBX6	HNSC	HM_r	179	168	312	659	200
TP53BP1	HNSC	Others	395	69	193	657	201
KDM4B	HNSC	HM_e	305	69	279	653	202
H3F3A	HNSC	Others	26	271	355	652	203
CBX2	HNSC	ChRC	269	69	313	651	204
HELLS	HNSC	Helicases	238	248	164	650	205
ERCC5	HNSC	Others	332	273	42	647	206
PRDM10	HNSC	HM_w	299	304	42	645	207
CHAF1A	HNSC	ChRC	288	69	287	644	208

ASH2L	HNSC	HM_w	183	417	42	642	209
DPF1	HNSC	ChRC	129	310	201	640	210
ATRX	HNSC	Helicases	413	69	156	638	211
EZH1	HNSC	HM_w	242	205	188	635	212
TET2	HNSC	DM_e	336	141	158	635	213
HDGFL1	HNSC	Others	165	269	199	633	214
NAP1L2	HNSC	Others	261	69	302	632	215
KDM6B	HNSC	HM_e	344	69	217	630	216
KDM7A	HNSC	HM_e	325	69	236	630	217
AFF1	HNSC	Others	335	69	224	628	218
MBD1	HNSC	DM_r	199	331	97	627	219
DMAP1	HNSC	Others	131	250	245	626	220
ING1	HNSC	HM_r	162	359	103	624	221
HNF1A	HNSC	ChRC	324	162	137	623	222
CARM1	HNSC	HM_w	290	290	42	622	223
ELP3	HNSC	HA_w	211	369	42	622	224
POLR2B	HNSC	Others	340	240	42	622	225
ZCWPW1	HNSC	HM_r	32	411	178	621	226
PYGO1	HNSC	HM_r	223	149	240	612	227
MPHOSPH8	HNSC	HM_r	262	307	42	611	228
HIST1H1B	HNSC	Others	363	69	177	609	229
PHF5A	HNSC	Others	70	188	347	605	230
SMARCD2	HNSC	Helicases	59	180	365	604	231
UBE2I	HNSC	Others	92	173	335	600	232
PCMT1	HNSC	Others	117	219	263	599	233
PRDM8	HNSC	HM_w	226	238	135	599	234
ZCWPW2	HNSC	HM_r	217	283	99	599	235
PCGF2	HNSC	Others	39	220	339	598	236
PHIP	HNSC	HA_r	369	187	42	598	237
FKBP5	HNSC	Others	128	224	244	596	238
MBD3	HNSC	DM_r	198	222	175	595	239
AFF4	HNSC	Others	293	258	42	593	240
TDRD10	HNSC	Others	187	295	111	593	241
KDM1A	HNSC	HM_e	202	158	229	589	242
DPF3	HNSC	HA_r	212	275	98	585	243

SMARCA2	HNSC	Helicases	383	69	132	584	244
TDRD3	HNSC	HM_r	247	294	42	583	245
PRDM16	HNSC	HM_w	361	69	152	582	246
SP110	HNSC	HA_r	142	298	142	582	247
ASXL2	HNSC	Others	354	69	157	580	248
CBX8	HNSC	ChRC	177	69	332	578	249
PRKAA2	HNSC	Others	253	237	84	574	250
HSPBAP1	HNSC	Others	126	405	42	573	251
PRDM5	HNSC	HM_w	227	218	127	572	252
G2E3	HNSC	Others	171	69	330	570	253
CDYL	HNSC	HM_r	176	69	324	569	254
PRMT1	HNSC	HM_w	109	185	270	564	255
SMYD1	HNSC	HM_w	297	178	88	563	256
CHD1	HNSC	Helicases	311	209	42	562	257
TRIM33	HNSC	HA_r	140	380	42	562	258
PPARGC1A	HNSC	Others	228	239	94	561	259
ORC1	HNSC	Others	232	153	173	558	260
AIRE	HNSC	HM_r	184	282	87	553	261
SIRT2	HNSC	HA_e	102	300	150	552	262
KANSL1	HNSC	HA_w	347	161	42	550	263
MBTD1	HNSC	Others	75	155	319	549	264
SMYD5	HNSC	HM_w	96	177	274	547	265
UHRF2	HNSC	DM_r	91	413	42	546	266
MSL3	HNSC	HA_w	120	383	42	545	267
CBX7	HNSC	HM_r	178	210	155	543	268
EED	HNSC	ChRC	174	69	299	542	269
FBXO44	HNSC	Others	241	69	232	542	270
KAT8	HNSC	HA_w	79	159	304	542	271
USP22	HNSC	Others	139	69	334	542	272
ING2	HNSC	HM_r	42	389	109	540	273
BPTF	HNSC	HA_r	271	226	42	539	274
HDAC2	HNSC	HA_e	283	69	187	539	275
HIST1H1C	HNSC	Others	331	69	138	538	276
RNF17	HNSC	Others	374	69	93	536	277
USP51	HNSC	Others	185	69	282	536	278

KDM1B	HNSC	HM_e	201	69	265	535	279
TRIM24	HNSC	HA_r	274	69	192	535	280
JMJD8	HNSC	HM_e	41	197	296	534	281
MBD5	HNSC	DM_r	343	69	120	532	282
EP300	HNSC	HA_w	420	69	42	531	283
GLYR1	HNSC	HM_r	285	203	42	530	284
L3MBTL1	HNSC	HM_r	234	69	227	530	285
CBX1	HNSC	HM_r	134	69	326	529	286
AICDA	HNSC	DM_e	90	348	89	527	287
SIRT1	HNSC	HA_e	103	216	208	527	288
HDAC1	HNSC	HA_e	43	202	280	525	289
PRDM4	HNSC	HM_w	111	150	261	522	290
FBXW9	HNSC	Others	28	272	221	521	291
KDM3B	HNSC	HM_e	323	156	42	521	292
JADE1	HNSC	Others	246	69	204	519	293
SFMBT1	HNSC	HM_r	192	232	95	519	294
L3MBTL3	HNSC	Others	320	69	129	518	295
RPH3A	HNSC	Others	275	147	96	518	296
JADE3	HNSC	Others	245	69	203	517	297
NAP1L3	HNSC	Others	362	69	86	517	298
SATB1	HNSC	Others	220	184	112	516	299
PHRF1	HNSC	Others	400	69	42	511	300
CHD5	HNSC	Helicases	310	69	131	510	301
IDH2	HNSC	DM_e	81	198	230	509	302
KAT2B	HNSC	HA_w	204	195	108	507	303
PRMT3	HNSC	HM_w	252	69	183	504	304
BAP1	HNSC	Others	181	280	42	503	305
CHD9	HNSC	Helicases	386	69	42	497	306
SMARCD1	HNSC	Helicases	99	69	329	497	307
RBBP4	HNSC	ChRC	106	217	172	495	308
MUM1	HNSC	Others	74	244	174	492	309
EPC2	HNSC	Others	243	206	42	491	310
SMYD3	HNSC	HM_w	97	69	325	491	311
DNMT3L	HNSC	DM_w	130	276	83	489	312
SHPRH	HNSC	Others	378	69	42	489	313

CHAF1B	HNSC	ChRC	268	69	149	486	314
CBX4	HNSC	HM_r	133	69	281	483	315
HIST1H3B	HNSC	Others	266	69	148	483	316
JADE2	HNSC	Others	216	69	191	476	317
PRDM1	HNSC	HM_w	277	69	128	474	318
PRDM2	HNSC	HM_w	360	69	42	471	319
FKBP1A	HNSC	Others	27	69	370	466	320
SMARCC1	HNSC	Helicases	145	231	90	466	321
PRMT6	HNSC	HM_w	66	263	134	463	322
PHF7	HNSC	Others	113	264	85	462	323
PHF11	HNSC	Others	36	306	118	460	324
TDRD12	HNSC	Others	16	338	106	460	325
RPS6KA5	HNSC	Others	194	69	194	457	326
PADI3	HNSC	Others	260	69	124	453	327
PHF21B	HNSC	HM_r	195	151	107	453	328
SIRT4	HNSC	HA_e	62	182	207	451	329
USP27X	HNSC	Others	33	371	42	446	330
GTF2B	HNSC	Others	44	164	231	439	331
PWWP2B	HNSC	Others	224	69	145	438	332
PHF13	HNSC	Others	115	69	251	435	333
BRD1	HNSC	HA_r	180	212	42	434	334
PHF23	HNSC	HM_r	114	69	250	433	335
RNF217	HNSC	Others	151	69	211	431	336
SIRT7	HNSC	HA_e	101	69	259	429	337
SIN3A	HNSC	ChRC	317	69	42	428	338
TAF3	HNSC	HA_r	188	69	169	426	339
SETD1B	HNSC	HM_w	20	145	260	425	340
SIRT5	HNSC	HA_e	61	69	291	421	341
JMJD6	HNSC	HM_e	80	69	271	420	342
AURKB	HNSC	Others	182	69	168	419	343
INO80	HNSC	Helicases	307	69	42	418	344
PHF6	HNSC	HM_r	69	305	42	416	345
HDAC8	HNSC	HA_e	127	69	219	415	346
MLLT10	HNSC	HM_w	304	69	42	415	347
BMI1	HNSC	ChRC	136	69	202	407	348

SIRT6	HNSC	HA_e	19	181	206	406	349
HIF1AN	HNSC	Others	164	199	42	405	350
KAT7	HNSC	HA_w	203	160	42	405	351
PRDM7	HNSC	HM_w	110	69	226	405	352
DPY30	HNSC	Others	29	207	167	403	353
SUZ12	HNSC	ChRC	95	69	238	402	354
UBE2A	HNSC	Others	14	69	314	397	355
NAP1L1	HNSC	Others	73	69	253	395	356
CSTL1	HNSC	Others	47	225	121	393	357
SMYD4	HNSC	HM_w	143	69	181	393	358
MTA3	HNSC	ChRC	159	191	42	392	359
TRIM66	HNSC	HA_r	15	140	237	392	360
PRMT7	HNSC	HM_w	107	69	212	388	361
BRD2	HNSC	HA_r	89	255	42	386	362
SIRT3	HNSC	HA_e	146	69	171	386	363
UHRF1	HNSC	DM_r	273	69	42	384	364
PRDM13	HNSC	HM_w	154	69	160	383	365
ZGPAT	HNSC	Others	51	69	257	377	366
PCGF6	HNSC	Others	38	152	185	375	367
HDAC3	HNSC	HA_e	167	163	42	372	368
BRD7	HNSC	HA_r	50	279	42	371	369
SETD5	HNSC	HM_w	250	69	42	361	370
SETD7	HNSC	HM_w	148	69	144	361	371
MTF2	HNSC	HM_r	158	154	42	354	372
CBX5	HNSC	HM_r	48	69	234	351	373
GTF2F1	HNSC	Others	240	69	42	351	374
PHF10	HNSC	Others	37	69	242	348	375
TCF19	HNSC	Others	17	69	258	344	376
MORF4L1	HNSC	HM_r	121	69	153	343	377
RBBP5	HNSC	ChRC	65	235	42	342	378
HDAC11	HNSC	HA_e	168	69	104	341	379
EPC1	HNSC	Others	46	249	42	337	380
RTF1	HNSC	Others	221	69	42	332	381
TDG	HNSC	ChRC	141	69	122	332	382
UBE2B	HNSC	Others	13	69	249	331	383

GATAD2A	HNSC	HM_r	84	204	42	330	384
SCML4	HNSC	Others	104	69	151	324	385
KDM8	HNSC	HM_e	77	69	176	322	386
WDR82	HNSC	Others	52	227	42	321	387
HDAC7	HNSC	HA_e	208	69	42	319	388
INTS12	HNSC	Others	206	69	42	317	389
PADI1	HNSC	Others	119	69	125	313	390
KDM4D	HNSC	HM_e	78	69	163	310	391
SMYD2	HNSC	HM_w	98	69	143	310	392
PADI4	HNSC	Others	197	69	42	308	393
PCGF5	HNSC	Others	71	69	162	302	394
UBR7	HNSC	Others	54	69	179	302	395
PHF8	HNSC	Others	68	69	161	298	396
SMARCA5	HNSC	Helicases	100	144	42	286	397
KDM4E	HNSC	HM_e	124	69	92	285	398
SUV39H2	HNSC	HM_w	57	69	159	285	399
FXR2	HNSC	Others	172	69	42	283	400
GTF2H1	HNSC	Others	169	69	42	280	401
PADI2	HNSC	Others	118	69	91	278	402
TDRD9	HNSC	Others	94	69	115	278	403
UBE2E1	HNSC	Others	12	214	42	268	404
H2AFZ	HNSC	Others	83	69	113	265	405
GADD45A	HNSC	Others	85	69	110	264	406
PADI6	HNSC	Others	72	69	119	260	407
PRDM6	HNSC	HM_w	22	186	42	250	408
KDM5D	HNSC	HM_e	138	69	42	249	409
SETMAR	HNSC	HM_w	63	69	116	248	410
SMNDC1	HNSC	Others	18	179	42	239	411
GADD45B	HNSC	Others	45	69	114	228	412
SETD4	HNSC	HM_w	34	69	123	226	413
MARCH5	HNSC	Others	76	69	42	187	414
SND1	HNSC	HM_r	58	69	42	169	415
UTY	HNSC	HM_e	11	69	42	122	416
EP400	KICH	HA_w	424	414	345	1183	1
BRWD3	KICH	HA_r	410	419	352	1181	2

GTF3C4	KICH	HA_w	359	411	342	1112	3
BOP 1	KICH	Others	260	421	408	1089	4
ATM	KICH	Others	420	422	246	1088	5
ZMYND11	KICH	HA_r	282	382	423	1087	6
MECP2	KICH	DM_r	338	402	335	1075	7
SMARCC1	KICH	Helicases	386	392	290	1068	8
FMR1	KICH	Others	361	412	277	1050	9
CHD7	KICH	Helicases	370	418	239	1027	10
ATRX	KICH	Helicases	419	424	182	1025	11
ATAD2	KICH	HA_r	268	425	317	1010	12
BRD3	KICH	HA_r	258	420	315	993	13
ZCWPW2	KICH	HM_r	284	383	319	986	14
JMJD1C	KICH	HM_e	350	406	226	982	15
JMJD8	KICH	HM_e	170	405	368	943	16
FKBP1A	KICH	Others	212	413	310	935	17
KMT2E	KICH	HM_w	149	403	365	917	18
BRD1	KICH	HA_r	417	69	417	903	19
RPS6KA5	KICH	Others	309	394	200	903	20
KMT2C	KICH	HM_w	426	69	384	879	21
NCOA3	KICH	HA_w	421	69	383	873	22
HDAC7	KICH	HA_e	403	69	399	871	23
CHD1L	KICH	Helicases	372	69	426	867	24
MTA1	KICH	ChRC	397	69	397	863	25
SMARCD3	KICH	Helicases	53	391	419	863	26
HCFC1	KICH	Others	404	410	42	856	27
PRDM9	KICH	HM_w	423	69	360	852	28
CXXC1	KICH	Others	367	69	414	850	29
DOT1L	KICH	HM_w	406	69	371	846	30
SMARCC2	KICH	Helicases	385	69	392	846	31
PRDM7	KICH	HM_w	91	426	328	845	32
CECR2	KICH	HA_r	374	69	400	843	33
HNF1A	KICH	ChRC	416	69	341	826	34
SETD2	KICH	HM_w	391	393	42	826	35
DAXX	KICH	ChRC	231	416	177	824	36
MTA2	KICH	ChRC	335	69	420	824	37

PHF10	KICH	Others	330	69	425	824	38
ARID4A	KICH	ChRC	380	69	374	823	39
FXR2	KICH	Others	360	69	389	818	40
BRD4	KICH	HA_r	376	69	372	817	41
MLLT10	KICH	HM_w	337	69	411	817	42
SND1	KICH	HM_r	46	390	379	815	43
ING5	KICH	HM_r	178	407	228	813	44
KDM5C	KICH	HM_e	401	69	338	808	45
UBE2I	KICH	Others	20	386	401	807	46
WDR5	KICH	ChRC	15	384	405	804	47
ASXL3	KICH	Others	378	69	354	801	48
FBXW9	KICH	Others	362	69	369	800	49
ATAT1	KICH	Others	412	69	316	797	50
NAP1L3	KICH	Others	130	400	266	796	51
PHF20L1	KICH	HM_r	328	423	42	793	52
PHF8	KICH	Others	395	69	329	793	53
PRDM10	KICH	HM_w	99	398	296	793	54
CHAF1A	KICH	ChRC	373	69	349	791	55
CHD4	KICH	Helicases	408	69	314	791	56
PRDM12	KICH	HM_w	97	397	295	789	57
PPARGC1A	KICH	Others	321	69	396	786	58
DNMT1	KICH	DM_w	365	69	346	780	59
SIRT3	KICH	HA_e	387	69	324	780	60
KDM3A	KICH	HM_e	343	69	367	779	61
SMARCB1	KICH	Helicases	299	69	410	778	62
KMT2A	KICH	HM_w	150	404	221	775	63
MARCH5	KICH	Others	340	69	363	772	64
PRDM8	KICH	HM_w	317	69	381	767	65
SMARCA4	KICH	Helicases	301	69	393	763	66
ASH2L	KICH	HM_w	270	69	422	761	67
EHMT2	KICH	HM_w	405	69	281	755	68
ING3	KICH	HM_r	180	408	167	755	69
SETD1A	KICH	HM_w	392	69	293	754	70
BAZ2B	KICH	HA_r	262	69	421	752	71
HR	KICH	HM_e	402	69	271	742	72

BRPF3	KICH	HA_r	252	69	418	739	73
SCML4	KICH	Others	306	69	358	733	74
ARID2	KICH	ChRC	273	69	390	732	75
ZGPAT	KICH	Others	283	69	378	730	76
TAF1	KICH	HA_r	296	389	42	727	77
ACTL6A	KICH	ChRC	281	69	376	726	78
INO80	KICH	Helicases	351	69	303	723	79
CLOCK	KICH	HA_w	369	69	283	721	80
ARID1A	KICH	ChRC	275	69	375	719	81
TDG	KICH	ChRC	293	69	357	719	82
PHF19	KICH	HM_r	106	399	209	714	83
SIN3B	KICH	ChRC	389	69	255	713	84
RING1	KICH	Others	312	69	327	708	85
BAZ1A	KICH	HA_r	264	69	373	706	86
DNMT3B	KICH	DM_w	229	69	407	705	87
KMT2D	KICH	HM_w	415	69	220	704	88
TRIM24	KICH	HA_r	27	387	288	702	89
H2AFZ	KICH	Others	358	69	274	701	90
TDRD1	KICH	Others	382	69	250	701	91
PRDM14	KICH	HM_w	96	396	207	699	92
ARID1B	KICH	ChRC	274	69	355	698	93
HIRA	KICH	Others	353	69	273	695	94
SIRT6	KICH	HA_e	303	69	322	694	95
ATF7IP	KICH	Others	377	69	247	693	96
CHRA1	KICH	ChRC	234	417	42	693	97
PHF5A	KICH	Others	324	69	297	690	98
KAT2B	KICH	HA_w	349	69	269	687	99
NAP1L2	KICH	Others	131	401	155	687	100
BAZ2A	KICH	HA_r	263	69	353	685	101
MPHOSPH8	KICH	HM_r	399	69	216	684	102
KDM1A	KICH	HM_e	346	69	268	683	103
MSH6	KICH	HM_r	398	69	215	682	104
HIST1H1B	KICH	Others	188	69	424	681	105
CHD2	KICH	Helicases	371	69	240	680	106
EHMT1	KICH	HM_w	222	415	42	679	107

PYGO1	KICH	HM_r	81	395	203	679	108
HDAC3	KICH	HA_e	195	69	413	677	109
DMAP1	KICH	Others	366	69	238	673	110
HDAC10	KICH	HA_e	197	69	406	672	111
CARM1	KICH	HM_w	251	69	351	671	112
RTF1	KICH	Others	307	69	294	670	113
HIST1H1C	KICH	Others	187	69	412	668	114
AICDA	KICH	DM_e	413	69	185	667	115
DPF1	KICH	ChRC	227	69	370	666	116
SETD1B	KICH	HM_w	305	69	292	666	117
FBXO17	KICH	Others	363	69	233	665	118
CBX6	KICH	HM_r	245	69	350	664	119
HELLS	KICH	Helicases	190	69	404	663	120
RPH3A	KICH	Others	393	69	201	663	121
GTF2B	KICH	Others	203	69	388	660	122
SMARCA5	KICH	Helicases	300	69	291	660	123
PHF21A	KICH	HM_r	327	69	263	659	124
CHAF1B	KICH	ChRC	240	69	348	657	125
ASXL1	KICH	Others	269	69	318	656	126
CHD3	KICH	Helicases	409	69	178	656	127
HDAC9	KICH	HA_e	355	69	231	655	128
HDGF	KICH	Others	354	69	230	653	129
HIST1H3B	KICH	Others	186	69	398	653	130
DIDO1	KICH	Others	407	69	176	652	131
PRDM1	KICH	HM_w	320	69	262	651	132
CTCF	KICH	Others	232	69	347	648	133
STK31	KICH	Others	383	69	194	646	134
HDAC8	KICH	HA_e	192	409	42	643	135
KAT6B	KICH	HA_w	348	69	225	642	136
KAT7	KICH	HA_w	347	69	224	640	137
AFF1	KICH	Others	381	69	186	636	138
AEBP2	KICH	HM_w	279	69	286	634	139
ASXL2	KICH	Others	379	69	183	631	140
EZH2	KICH	HM_w	215	69	344	628	141
JARID2	KICH	ChRC	172	69	387	628	142

MBD5	KICH	DM_r	400	69	157	626	143
MECOM	KICH	Others	339	69	218	626	144
CHD8	KICH	Helicases	236	69	313	618	145
KDM3B	KICH	HM_e	163	69	386	618	146
GTF2F1	KICH	Others	202	69	343	614	147
PCGF1	KICH	Others	331	69	212	612	148
TDRD6	KICH	Others	292	69	249	610	149
BRD9	KICH	HA_r	255	69	285	609	150
EPC2	KICH	Others	364	69	174	607	151
KDM8	KICH	HM_e	152	69	385	606	152
EED	KICH	ChRC	223	69	312	604	153
EPC1	KICH	Others	218	69	311	598	154
KDM4B	KICH	HM_e	161	69	366	596	155
CHD5	KICH	Helicases	238	69	284	591	156
PAXIP1	KICH	Others	119	69	403	591	157
ARID4B	KICH	ChRC	272	69	248	589	158
ING1	KICH	HM_r	352	69	168	589	159
PRKAA1	KICH	Others	316	69	204	589	160
FKBP5	KICH	Others	210	69	309	588	161
G2E3	KICH	Others	209	69	308	586	162
INTS12	KICH	Others	177	69	340	586	163
RNF17	KICH	Others	311	69	202	582	164
AURKB	KICH	Others	266	69	245	580	165
DNMT3L	KICH	DM_w	228	69	282	579	166
GTF2H1	KICH	Others	201	69	307	577	167
LBR	KICH	Others	144	69	364	577	168
PADI1	KICH	Others	126	69	382	577	169
H3F3A	KICH	Others	200	69	306	575	170
KDM2B	KICH	HM_e	344	69	160	573	171
ELP3	KICH	HA_w	221	69	280	570	172
HDAC5	KICH	HA_e	194	69	305	568	173
BRDT	KICH	HA_r	254	69	244	567	174
SMARCA1	KICH	Helicases	302	69	196	567	175
KDM4E	KICH	HM_e	158	69	339	566	176
FBXL19	KICH	Others	214	69	279	562	177

SRCAP	KICH	Others	298	69	195	562	178
MLLT6	KICH	HM_w	336	69	156	561	179
CBX4	KICH	HM_r	247	69	243	559	180
FKBP2	KICH	Others	211	69	278	558	181
KIAA2026	KICH	Others	151	69	337	557	182
TAF1L	KICH	HA_r	295	69	193	557	183
NCOR2	KICH	Others	334	69	153	556	184
IDH2	KICH	DM_e	182	69	304	555	185
CDYL	KICH	HM_r	242	69	242	553	186
GADD45B	KICH	Others	207	69	276	552	187
CDYL2	KICH	HM_r	241	69	241	551	188
PRMT2	KICH	HM_w	87	69	395	551	189
TDRD9	KICH	Others	291	69	191	551	190
GATAD2A	KICH	HM_r	206	69	275	550	191
MBD2	KICH	DM_r	142	69	336	547	192
TET3	KICH	DM_e	289	69	189	547	193
PHF21B	KICH	HM_r	326	69	146	541	194
PHF14	KICH	Others	107	69	362	538	195
RNF20	KICH	Others	75	69	394	538	196
ACTL6B	KICH	ChRC	280	69	187	536	197
BPTF	KICH	HA_r	425	69	42	536	198
DNMT3A	KICH	DM_w	230	69	237	536	199
KAT8	KICH	HA_w	165	69	302	536	200
MUM1	KICH	Others	133	69	334	536	201
NAP1L1	KICH	Others	132	69	333	534	202
SMARCA2	KICH	Helicases	422	69	42	533	203
AIRE	KICH	HM_r	277	69	184	530	204
DPF3	KICH	HA_r	225	69	236	530	205
SIRT2	KICH	HA_e	59	69	402	530	206
BAZ1B	KICH	HA_r	418	69	42	529	207
KDM4D	KICH	HM_e	159	69	301	529	208
DPY30	KICH	Others	224	69	235	528	209
PRDM11	KICH	HM_w	98	69	361	528	210
SP140	KICH	HA_r	43	69	416	528	211
HLTF	KICH	Others	185	69	272	526	212

PRDM2	KICH	HM_w	414	69	42	525	213
ATR	KICH	Others	411	69	42	522	214
KDM7A	KICH	HM_e	153	69	300	522	215
ING2	KICH	HM_r	181	69	270	520	216
EZH1	KICH	HM_w	216	69	234	519	217
PHC1	KICH	ChRC	114	69	332	515	218
SETD7	KICH	HM_w	66	69	380	515	219
SMARCD1	KICH	Helicases	55	69	391	515	220
L3MBTL3	KICH	Others	146	69	299	514	221
PHF1	KICH	HM_r	111	69	331	511	222
SIN3A	KICH	ChRC	304	69	135	508	223
NCOR1	KICH	ChRC	396	69	42	507	224
RAG2	KICH	HM_r	79	69	359	507	225
GATAD2B	KICH	HM_r	205	69	232	506	226
RAI1	KICH	Others	394	69	42	505	227
PHF20	KICH	HM_r	105	69	330	504	228
SETD6	KICH	HM_w	390	69	42	501	229
USP51	KICH	Others	17	69	415	501	230
CBX1	KICH	HM_r	250	69	181	500	231
SIRT1	KICH	HA_e	388	69	42	499	232
CBX2	KICH	ChRC	249	69	180	498	233
SMYD1	KICH	HM_w	384	69	42	495	234
CBX8	KICH	ChRC	243	69	179	491	235
YY1	KICH	ChRC	13	69	409	491	236
HIF1AN	KICH	Others	189	69	229	487	237
BRWD1	KICH	HA_r	375	69	42	486	238
PCGF5	KICH	Others	117	69	298	484	239
CREBBP	KICH	HA_w	368	69	42	479	240
MBD3	KICH	DM_r	141	69	267	477	241
JADE1	KICH	Others	175	69	227	471	242
HDAC11	KICH	HA_e	357	69	42	468	243
HDAC4	KICH	HA_e	356	69	42	467	244
TCEA1	KICH	Others	36	388	42	466	245
ELP4	KICH	HA_w	220	69	175	464	246
SETD3	KICH	HM_w	69	69	326	464	247

NSD1	KICH	HM_w	128	69	265	462	248
ORC1	KICH	Others	127	69	264	460	249
ERCC5	KICH	Others	217	69	173	459	250
TDRD12	KICH	Others	33	69	356	458	251
ZMYND8	KICH	HA_r	11	69	377	457	252
KDM2A	KICH	HM_e	345	69	42	456	253
SFMBT1	KICH	HM_r	62	69	325	456	254
FBXO44	KICH	Others	213	69	172	454	255
KDM5A	KICH	HM_e	342	69	42	453	256
KMT2B	KICH	HM_w	341	69	42	452	257
SIRT4	KICH	HA_e	58	69	323	450	258
KDM5B	KICH	HM_e	157	69	223	449	259
KDM6A	KICH	HM_e	155	69	222	446	260
UBR7	KICH	Others	19	385	42	446	261
PADI4	KICH	Others	333	69	42	444	262
PBRM1	KICH	HA_r	332	69	42	443	263
PHF2	KICH	Others	329	69	42	440	264
HDAC2	KICH	HA_e	196	69	171	436	265
L3MBTL1	KICH	HM_r	148	69	219	436	266
PHF3	KICH	Others	325	69	42	436	267
PHIP	KICH	HA_r	323	69	42	434	268
PHRF1	KICH	Others	322	69	42	433	269
HDAC6	KICH	HA_e	193	69	170	432	270
PRDM13	KICH	HM_w	319	69	42	430	271
PRDM16	KICH	HM_w	318	69	42	429	272
PRMT5	KICH	HM_w	315	69	42	426	273
PRMT7	KICH	HM_w	314	69	42	425	274
MEN1	KICH	ChRC	138	69	217	424	275
RBBP5	KICH	ChRC	313	69	42	424	276
IDH1	KICH	DM_e	183	69	169	421	277
RNF40	KICH	Others	310	69	42	421	278
TDRD5	KICH	Others	31	69	321	421	279
PRKCD	KICH	Others	89	69	261	419	280
RSF1	KICH	ChRC	308	69	42	419	281
MTF2	KICH	HM_r	134	69	214	417	282

PRMT1	KICH	HM_w	88	69	260	417	283
TRIM28	KICH	HA_r	26	69	320	415	284
PRMT8	KICH	HM_w	84	69	259	412	285
IWS1	KICH	Others	176	69	166	411	286
SUPT16H	KICH	Others	297	69	42	408	287
JADE3	KICH	Others	173	69	165	407	288
TCF20	KICH	Others	294	69	42	405	289
JMJD6	KICH	HM_e	171	69	164	404	290
PAF1	KICH	Others	122	69	213	404	291
KANSL1	KICH	HA_w	169	69	163	401	292
TET1	KICH	DM_e	290	69	42	401	293
RPA3	KICH	Others	73	69	258	400	294
KAT2A	KICH	HA_w	168	69	162	399	295
TP53BP1	KICH	Others	288	69	42	399	296
PCGF2	KICH	Others	118	69	211	398	297
SATB1	KICH	Others	72	69	257	398	298
UHRF1	KICH	DM_r	287	69	42	398	299
SUV39H2	KICH	HM_w	39	69	289	397	300
UHRF2	KICH	DM_r	286	69	42	397	301
USP27X	KICH	Others	285	69	42	396	302
PCGF6	KICH	Others	116	69	210	395	303
KDM1B	KICH	HM_e	164	69	161	394	304
AFF4	KICH	Others	278	69	42	389	305
AKAP1	KICH	Others	276	69	42	387	306
SFMBT2	KICH	Others	61	69	256	386	307
ASH1L	KICH	HM_w	271	69	42	382	308
KDM6B	KICH	HM_e	154	69	159	382	309
PHF7	KICH	Others	102	69	208	379	310
ATAD2B	KICH	HA_r	267	69	42	378	311
BAP1	KICH	Others	265	69	42	376	312
BMI1	KICH	ChRC	261	69	42	372	313
L3MBTL4	KICH	Others	145	69	158	372	314
SMYD3	KICH	HM_w	49	69	254	372	315
BRD2	KICH	HA_r	259	69	42	370	316
PRDM15	KICH	HM_w	95	69	206	370	317

BRD7	KICH	HA_r	257	69	42	368	318
ZCWPW1	KICH	HM_r	12	69	287	368	319
BRD8	KICH	HA_r	256	69	42	367	320
PRDM5	KICH	HM_w	93	69	205	367	321
BRPF1	KICH	HA_r	253	69	42	364	322
SP140L	KICH	HA_r	42	69	253	364	323
CBX3	KICH	HM_r	248	69	42	359	324
TAF3	KICH	HA_r	37	69	252	358	325
CBX5	KICH	HM_r	246	69	42	357	326
CBX7	KICH	HM_r	244	69	42	355	327
TCF19	KICH	Others	35	69	251	355	328
NCOA1	KICH	HA_w	129	69	154	352	329
CHD1	KICH	Helicases	239	69	42	350	330
CHD6	KICH	Helicases	237	69	42	348	331
CHD9	KICH	Helicases	235	69	42	346	332
PADI2	KICH	Others	125	69	152	346	333
CSTL1	KICH	Others	233	69	42	344	334
PADI3	KICH	Others	124	69	151	344	335
PADI6	KICH	Others	123	69	150	342	336
DPF2	KICH	Others	226	69	42	337	337
SETD5	KICH	HM_w	67	69	199	335	338
PCMT1	KICH	Others	115	69	149	333	339
SETDB2	KICH	HM_w	64	69	198	331	340
EP300	KICH	HA_w	219	69	42	330	341
PHC2	KICH	ChRC	113	69	148	330	342
PHF13	KICH	Others	108	69	147	324	343
SIRT7	KICH	HA_e	56	69	197	322	344
GADD45A	KICH	Others	208	69	42	319	345
PHF23	KICH	HM_r	104	69	145	318	346
GLYR1	KICH	HM_r	204	69	42	315	347
HAT1	KICH	HA_w	199	69	42	310	348
HDAC1	KICH	HA_e	198	69	42	309	349
PRKAA2	KICH	Others	90	69	144	303	350
HDGFL1	KICH	Others	191	69	42	302	351
HSPBAP1	KICH	Others	184	69	42	295	352

TDRD10	KICH	Others	34	69	192	295	353
PWWP2B	KICH	Others	82	69	143	294	354
PYGO2	KICH	HM_r	80	69	142	291	355
ING4	KICH	HM_r	179	69	42	290	356
RBBP7	KICH	ChRC	77	69	141	287	357
TET2	KICH	DM_e	28	69	190	287	358
JADE2	KICH	Others	174	69	42	285	359
RNF2	KICH	ChRC	76	69	140	285	360
RNF217	KICH	Others	74	69	139	282	361
TRIM66	KICH	HA_r	24	69	188	281	362
KAT5	KICH	HA_w	167	69	42	278	363
KAT6A	KICH	HA_w	166	69	42	277	364
SCML2	KICH	HM_r	70	69	138	277	365
KDM4A	KICH	HM_e	162	69	42	273	366
KDM4C	KICH	HM_e	160	69	42	271	367
SETDB1	KICH	HM_w	65	69	137	271	368
SETMAR	KICH	HM_w	63	69	136	268	369
KDM5D	KICH	HM_e	156	69	42	267	370
L3MBTL2	KICH	Others	147	69	42	258	371
SMARCE1	KICH	Helicases	52	69	134	255	372
MBD1	KICH	DM_r	143	69	42	254	373
MBD4	KICH	DM_r	140	69	42	251	374
MBTD1	KICH	Others	139	69	42	250	375
SMYD4	KICH	HM_w	48	69	133	250	376
MORF4L1	KICH	HM_r	137	69	42	248	377
MSL3	KICH	HA_w	136	69	42	247	378
MTA3	KICH	ChRC	135	69	42	246	379
SP100	KICH	HA_r	45	69	132	246	380
SUV39H1	KICH	HM_w	40	69	131	240	381
PARP1	KICH	Others	121	69	42	232	382
PARP2	KICH	Others	120	69	42	231	383
TDRKH	KICH	Others	29	69	130	228	384
PHC3	KICH	ChRC	112	69	42	223	385
TRIM33	KICH	HA_r	25	69	129	223	386
PHF11	KICH	Others	110	69	42	221	387

PHF12	KICH	Others	109	69	42	220	388
UBE2A	KICH	Others	23	69	128	220	389
PHF6	KICH	HM_r	103	69	42	214	390
POLE3	KICH	ChRC	101	69	42	212	391
POLR2B	KICH	Others	100	69	42	211	392
PRDM4	KICH	HM_w	94	69	42	205	393
PRDM6	KICH	HM_w	92	69	42	203	394
PRMT3	KICH	HM_w	86	69	42	197	395
PRMT6	KICH	HM_w	85	69	42	196	396
PSIP1	KICH	HM_r	83	69	42	194	397
RBBP4	KICH	ChRC	78	69	42	189	398
SCMH1	KICH	Others	71	69	42	182	399
SETD4	KICH	HM_w	68	69	42	179	400
SHPRH	KICH	Others	60	69	42	171	401
SIRT5	KICH	HA_e	57	69	42	168	402
SMARCD2	KICH	Helicases	54	69	42	165	403
SMNDC1	KICH	Others	51	69	42	162	404
SMYD2	KICH	HM_w	50	69	42	161	405
SMYD5	KICH	HM_w	47	69	42	158	406
SP110	KICH	HA_r	44	69	42	155	407
SSRP1	KICH	Others	41	69	42	152	408
SUZ12	KICH	ChRC	38	69	42	149	409
TDRD3	KICH	HM_r	32	69	42	143	410
TDRD7	KICH	Others	30	69	42	141	411
UBE2B	KICH	Others	22	69	42	133	412
UBE2E1	KICH	Others	21	69	42	132	413
USP22	KICH	Others	18	69	42	129	414
UTY	KICH	HM_e	16	69	42	127	415
WDR82	KICH	Others	14	69	42	125	416
NSD1	KIRC	HM_w	402	426	415	1243	1
PBRM1	KIRC	HA_r	426	410	377	1213	2
BAP1	KIRC	Others	424	408	350	1182	3
BRD8	KIRC	HA_r	335	422	422	1179	4
KMT2C	KIRC	HM_w	420	394	364	1178	5
KDM3B	KIRC	HM_e	323	424	425	1172	6

ATR	KIRC	Others	391	396	366	1153	7
KDM5C	KIRC	HM_e	423	381	347	1151	8
BRD9	KIRC	HA_r	334	385	413	1132	9
BAZ1B	KIRC	HA_r	338	372	420	1130	10
CHD1	KIRC	Helicases	370	403	348	1121	11
SETD2	KIRC	HM_w	425	417	260	1102	12
ARID1B	KIRC	ChRC	354	342	404	1100	13
EZH2	KIRC	HM_w	300	392	407	1099	14
AKAP1	KIRC	Others	342	375	373	1090	15
ZCWPW1	KIRC	HM_r	372	376	324	1072	16
KAT6A	KIRC	HA_w	380	359	330	1069	17
ASH1L	KIRC	HM_w	409	374	285	1068	18
AFF4	KIRC	Others	228	423	391	1042	19
ASH2L	KIRC	HM_w	226	397	419	1042	20
KAT2B	KIRC	HA_w	325	418	292	1035	21
SND1	KIRC	HM_r	239	350	417	1006	22
DIDO1	KIRC	Others	350	288	365	1003	23
PHF20	KIRC	HM_r	360	234	409	1003	24
SMARCA2	KIRC	Helicases	312	306	376	994	25
PHF20L1	KIRC	HM_r	291	380	318	989	26
MECOM	KIRC	Others	320	402	266	988	27
CHD3	KIRC	Helicases	412	291	283	986	28
HAT1	KIRC	HA_w	213	383	389	985	29
BAZ2B	KIRC	HA_r	404	339	238	981	30
PHF14	KIRC	Others	250	316	410	976	31
MSH6	KIRC	HM_r	319	252	395	966	32
TRIM24	KIRC	HA_r	235	345	382	962	33
SETD5	KIRC	HM_w	384	412	160	956	34
BRWD1	KIRC	HA_r	403	295	255	953	35
PAXIP1	KIRC	Others	131	390	423	944	36
CHRA1	KIRC	ChRC	154	384	402	940	37
KDM5A	KIRC	HM_e	348	324	267	939	38
RNF40	KIRC	Others	315	215	406	936	39
PRKCD	KIRC	Others	396	404	131	931	40
HDAC9	KIRC	HA_e	262	330	332	924	41

PCGF2	KIRC	Others	377	240	305	922	42
ATRX	KIRC	Helicases	405	373	143	921	43
MECP2	KIRC	DM_r	199	391	328	918	44
TDRD10	KIRC	Others	310	348	258	916	45
HDAC3	KIRC	HA_e	62	425	424	911	46
SMARCC1	KIRC	Helicases	171	411	325	907	47
BRD1	KIRC	HA_r	305	296	298	899	48
USP51	KIRC	Others	308	377	212	897	49
GLYR1	KIRC	HM_r	215	277	403	895	50
NAP1L2	KIRC	Others	193	357	340	890	51
SUPT16H	KIRC	Others	400	69	418	887	52
DNMT1	KIRC	DM_w	419	287	180	886	53
SIRT7	KIRC	HA_e	174	352	358	884	54
CHAF1A	KIRC	ChRC	332	337	211	880	55
EP400	KIRC	HA_w	417	69	390	876	56
BRWD3	KIRC	HA_r	333	370	171	874	57
ACTL6A	KIRC	ChRC	91	401	380	872	58
SETD3	KIRC	HM_w	177	308	384	869	59
SMARCC2	KIRC	Helicases	410	69	388	867	60
JMJD6	KIRC	HM_e	326	360	178	864	61
DNMT3B	KIRC	DM_w	408	69	385	862	62
KDM4B	KIRC	HM_e	204	326	329	859	63
NCOR2	KIRC	Others	379	69	411	859	64
HLTF	KIRC	Others	259	382	209	850	65
IDH2	KIRC	DM_e	328	270	251	849	66
BRD2	KIRC	HA_r	390	69	386	845	67
KDM5B	KIRC	HM_e	363	262	218	843	68
PRDM14	KIRC	HM_w	288	378	177	843	69
AFF1	KIRC	Others	229	299	314	842	70
PCGF1	KIRC	Others	378	69	394	841	71
GTF2F1	KIRC	Others	149	332	359	840	72
NCOA3	KIRC	HA_w	387	249	204	840	73
HDGF	KIRC	Others	60	363	416	839	74
KAT8	KIRC	HA_w	205	265	369	839	75
EZH1	KIRC	HM_w	218	285	334	837	76

KMT2D	KIRC	HM_w	422	69	346	837	77
PAF1	KIRC	Others	251	242	344	837	78
TDRD5	KIRC	Others	276	347	213	836	79
KDM6A	KIRC	HM_e	295	323	217	835	80
TDRD6	KIRC	Others	393	197	241	831	81
UBE2B	KIRC	Others	18	421	392	831	82
BRPF1	KIRC	HA_r	159	414	256	829	83
PHF2	KIRC	Others	190	235	393	818	84
TDRKH	KIRC	Others	166	346	300	812	85
PADI6	KIRC	Others	362	243	203	808	86
ARID1A	KIRC	ChRC	421	343	42	806	87
HR	KIRC	HM_e	209	398	197	804	88
HCFC1	KIRC	Others	366	395	42	803	89
HDAC5	KIRC	HA_e	211	272	320	803	90
SFMBT1	KIRC	HM_r	281	405	117	803	91
CHD5	KIRC	Helicases	369	290	142	801	92
BAZ2A	KIRC	HA_r	352	69	379	800	93
ATAD2	KIRC	HA_r	89	387	323	799	94
BAZ1A	KIRC	HA_r	160	340	299	799	95
PRDM10	KIRC	HM_w	376	379	42	797	96
ING3	KIRC	HM_r	52	361	383	796	97
ATM	KIRC	Others	414	69	312	795	98
ORC1	KIRC	Others	318	247	230	795	99
PADI3	KIRC	Others	292	318	185	795	100
PRDM9	KIRC	HM_w	346	221	228	795	101
SETDB1	KIRC	HM_w	395	353	42	790	102
HDAC10	KIRC	HA_e	263	274	252	789	103
HDAC7	KIRC	HA_e	146	271	370	787	104
CHD8	KIRC	Helicases	304	69	412	785	105
BPTF	KIRC	HA_r	371	371	42	784	106
KDM7A	KIRC	HM_e	355	69	357	781	107
RING1	KIRC	Others	358	69	353	780	108
BRD7	KIRC	HA_r	336	69	372	777	109
KAT2A	KIRC	HA_w	257	267	250	774	110
DPF3	KIRC	HA_r	221	393	159	773	111

MBTD1	KIRC	Others	200	321	249	770	112
GATAD2B	KIRC	HM_r	216	365	187	768	113
JADE2	KIRC	Others	272	69	426	767	114
KDM6B	KIRC	HM_e	294	261	207	762	115
ASXL1	KIRC	Others	339	69	351	759	116
FBXL19	KIRC	Others	151	334	272	757	117
PHF8	KIRC	Others	359	356	42	757	118
MLLT6	KIRC	HM_w	252	254	248	754	119
PARP1	KIRC	Others	317	241	196	754	120
RNF20	KIRC	Others	285	69	400	754	121
SIRT6	KIRC	HA_e	104	307	343	754	122
ARID2	KIRC	ChRC	341	69	342	752	123
MTA2	KIRC	ChRC	195	251	306	752	124
JMJD8	KIRC	HM_e	49	327	375	751	125
PYGO2	KIRC	HM_r	32	355	363	750	126
CBX1	KIRC	HM_r	158	294	297	749	127
CHD7	KIRC	Helicases	407	69	273	749	128
CDYL2	KIRC	HM_r	155	292	296	743	129
RBBP7	KIRC	ChRC	31	354	354	739	130
ATF7IP	KIRC	Others	353	69	313	735	131
TAF1	KIRC	HA_r	344	349	42	735	132
CBX4	KIRC	HM_r	82	368	284	734	133
ASXL3	KIRC	Others	383	69	274	726	134
RPA3	KIRC	Others	109	214	401	724	135
ARID4A	KIRC	ChRC	340	341	42	723	136
KMT2E	KIRC	HM_w	321	358	42	721	137
EED	KIRC	ChRC	74	335	311	720	138
SETMAR	KIRC	HM_w	176	409	135	720	139
RTF1	KIRC	Others	244	211	261	716	140
SATB1	KIRC	Others	179	419	118	716	141
SMARCD3	KIRC	Helicases	24	389	301	714	142
STK31	KIRC	Others	374	201	138	713	143
JADE3	KIRC	Others	307	69	336	712	144
DNMT3A	KIRC	DM_w	406	69	236	711	145
FBXO44	KIRC	Others	72	283	356	711	146

CHD1L	KIRC	Helicases	79	336	295	710	147
YY1	KIRC	ChRC	12	300	398	710	148
PRMT8	KIRC	HM_w	248	313	148	709	149
UBE2A	KIRC	Others	165	304	240	709	150
IWS1	KIRC	Others	296	69	341	706	151
MSL3	KIRC	HA_w	135	320	247	702	152
UHRF1	KIRC	DM_r	356	303	42	701	153
RBBP5	KIRC	ChRC	345	312	42	699	154
PRDM15	KIRC	HM_w	184	314	200	698	155
CBX8	KIRC	ChRC	156	367	170	693	156
TP53BP1	KIRC	Others	343	196	154	693	157
HDAC6	KIRC	HA_e	329	69	294	692	158
PHC1	KIRC	ChRC	127	238	327	692	159
PHC3	KIRC	ChRC	126	400	166	692	160
KMT2A	KIRC	HM_w	389	69	232	690	161
PHF21A	KIRC	HM_r	189	233	265	687	162
PRDM2	KIRC	HM_w	287	223	176	686	163
HDAC11	KIRC	HA_e	147	413	124	684	164
SUZ12	KIRC	ChRC	311	200	173	684	165
PRDM4	KIRC	HM_w	385	69	229	683	166
GADD45B	KIRC	Others	67	333	282	682	167
ELP3	KIRC	HA_w	152	399	128	679	168
ACTL6B	KIRC	ChRC	162	388	126	676	169
ARID4B	KIRC	ChRC	227	298	151	676	170
NCOR1	KIRC	ChRC	386	248	42	676	171
PHF12	KIRC	Others	397	237	42	676	172
CBX2	KIRC	ChRC	83	369	222	674	173
ERCC5	KIRC	Others	266	366	42	674	174
CTCF	KIRC	Others	269	69	335	673	175
JMJD1C	KIRC	HM_e	327	69	277	673	176
BOP 1	KIRC	Others	86	386	198	670	177
SMARCD2	KIRC	Helicases	102	351	214	667	178
SETD1A	KIRC	HM_w	314	309	42	665	179
TET3	KIRC	DM_e	309	69	287	665	180
CHAF1B	KIRC	ChRC	224	69	371	664	181

CREBBP	KIRC	HA_w	331	289	42	662	182
KIAA2026	KIRC	Others	254	259	149	662	183
PRDM11	KIRC	HM_w	118	227	317	662	184
TET2	KIRC	DM_e	392	69	199	660	185
ING2	KIRC	HM_r	53	328	278	659	186
KANSL1	KIRC	HA_w	349	268	42	659	187
SRCAP	KIRC	Others	415	202	42	659	188
TET1	KIRC	DM_e	275	69	315	659	189
ASXL2	KIRC	Others	399	69	190	658	190
PRDM12	KIRC	HM_w	186	226	246	658	191
MBD4	KIRC	DM_r	293	322	42	657	192
GADD45A	KIRC	Others	68	278	310	656	193
TRIM28	KIRC	HA_r	234	69	352	655	194
RAI1	KIRC	Others	245	69	338	652	195
ING1	KIRC	HM_r	54	362	233	649	196
PHF7	KIRC	Others	121	407	119	647	197
PHF23	KIRC	HM_r	122	231	290	643	198
TDRD7	KIRC	Others	167	69	405	641	199
HDAC8	KIRC	HA_e	61	364	210	635	200
CBX3	KIRC	HM_r	157	69	408	634	201
SCML4	KIRC	Others	178	210	245	633	202
CECR2	KIRC	HA_r	413	69	150	632	203
KDM2B	KIRC	HM_e	256	69	307	632	204
KDM2A	KIRC	HM_e	324	263	42	629	205
RSF1	KIRC	ChRC	375	212	42	629	206
SMYD2	KIRC	HM_w	278	205	146	629	207
ZMYND8	KIRC	HA_r	273	69	286	628	208
CHD9	KIRC	Helicases	367	69	189	625	209
SIRT4	KIRC	HA_e	313	69	243	625	210
TDG	KIRC	ChRC	169	69	387	625	211
HIST1H1C	KIRC	Others	260	69	293	622	212
KMT2B	KIRC	HM_w	322	258	42	622	213
FXR2	KIRC	Others	299	280	42	621	214
PHF1	KIRC	HM_r	347	69	202	618	215
UHRF2	KIRC	DM_r	274	302	42	618	216

ATAD2B	KIRC	HA_r	306	69	239	614	217
ELP4	KIRC	HA_w	220	69	321	610	218
KDM3A	KIRC	HM_e	143	69	397	609	219
INO80	KIRC	Helicases	297	269	42	608	220
FKBP1A	KIRC	Others	71	281	254	606	221
KDM8	KIRC	HM_e	140	260	206	606	222
PRDM16	KIRC	HM_w	117	224	264	605	223
PYGO1	KIRC	HM_r	247	69	289	605	224
FBXW9	KIRC	Others	150	282	168	600	225
USP22	KIRC	Others	164	69	367	600	226
PRMT5	KIRC	HM_w	113	69	414	596	227
SIRT2	KIRC	HA_e	26	208	362	596	228
SETD4	KIRC	HM_w	282	69	244	595	229
FMR1	KIRC	Others	265	69	253	587	230
MEN1	KIRC	ChRC	198	69	319	586	231
PRMT1	KIRC	HM_w	181	219	184	584	232
UBR7	KIRC	Others	93	69	421	583	233
SMARCA1	KIRC	Helicases	173	69	337	579	234
UBE2I	KIRC	Others	16	195	368	579	235
PRDM6	KIRC	HM_w	116	420	42	578	236
H2AFZ	KIRC	Others	65	276	235	576	237
WDR5	KIRC	ChRC	233	301	42	576	238
CXXC1	KIRC	Others	268	69	237	574	239
H3F3A	KIRC	Others	64	275	234	573	240
SMARCD1	KIRC	Helicases	103	69	399	571	241
PRDM7	KIRC	HM_w	182	222	164	568	242
UBE2E1	KIRC	Others	17	416	134	567	243
SUV39H2	KIRC	HM_w	237	69	259	565	244
TAF1L	KIRC	HA_r	357	69	137	563	245
HDAC4	KIRC	HA_e	212	69	280	561	246
POLR2B	KIRC	Others	290	228	42	560	247
AURKB	KIRC	Others	88	297	172	557	248
MUM1	KIRC	Others	133	69	355	557	249
IDH1	KIRC	DM_e	208	69	279	556	250
SCML2	KIRC	HM_r	29	310	216	555	251

BRDT	KIRC	HA_r	351	69	133	553	252
DOT1L	KIRC	HM_w	303	69	179	551	253
HNF1A	KIRC	ChRC	210	69	270	549	254
TDRD3	KIRC	HM_r	168	198	183	549	255
PRDM13	KIRC	HM_w	185	225	136	546	256
ZCWPW2	KIRC	HM_r	11	415	120	546	257
INTS12	KIRC	Others	207	69	269	545	258
PHF6	KIRC	HM_r	188	315	42	545	259
KAT5	KIRC	HA_w	144	69	331	544	260
ZGPAT	KIRC	Others	92	69	381	542	261
SETD7	KIRC	HM_w	243	69	227	539	262
G2E3	KIRC	Others	217	279	42	538	263
RNF2	KIRC	ChRC	30	311	195	536	264
SIRT1	KIRC	HA_e	241	69	226	536	265
SIRT3	KIRC	HA_e	25	207	302	534	266
SHPRH	KIRC	Others	280	209	42	531	267
SP140	KIRC	HA_r	238	69	224	531	268
EP300	KIRC	HA_w	418	69	42	529	269
TDRD9	KIRC	Others	95	305	129	529	270
CBX5	KIRC	HM_r	81	69	378	528	271
SMYD4	KIRC	HM_w	100	203	225	528	272
SUV39H1	KIRC	HM_w	98	69	360	527	273
TCF20	KIRC	Others	416	69	42	527	274
PWWP2B	KIRC	Others	33	217	275	525	275
PRMT3	KIRC	HM_w	114	69	339	522	276
SMARCA4	KIRC	Helicases	411	69	42	522	277
ATAT1	KIRC	Others	271	69	181	521	278
GTF3C4	KIRC	HA_w	148	331	42	521	279
PADI2	KIRC	Others	132	245	144	521	280
PHIP	KIRC	HA_r	249	230	42	521	281
KDM1A	KIRC	HM_e	48	264	208	520	282
CBX6	KIRC	HM_r	225	69	221	515	283
PRDM5	KIRC	HM_w	183	69	263	515	284
KAT7	KIRC	HA_w	206	266	42	514	285
PPARGC1A	KIRC	Others	289	69	156	514	286

PHF3	KIRC	Others	401	69	42	512	287
CHD4	KIRC	Helicases	398	69	42	509	288
KDM4C	KIRC	HM_e	142	325	42	509	289
PRKAA2	KIRC	Others	286	69	152	507	290
RNF17	KIRC	Others	316	69	122	507	291
TAF3	KIRC	HA_r	394	69	42	505	292
GTF2H1	KIRC	Others	214	69	220	503	293
CARM1	KIRC	HM_w	84	69	349	502	294
L3MBTL1	KIRC	HM_r	139	69	291	499	295
MLLT10	KIRC	HM_w	388	69	42	499	296
SMYD3	KIRC	HM_w	101	204	194	499	297
PHF19	KIRC	HM_r	123	69	304	496	298
MTA1	KIRC	ChRC	134	319	42	495	299
BRPF3	KIRC	HA_r	382	69	42	493	300
CHD2	KIRC	Helicases	381	69	42	492	301
NAP1L3	KIRC	Others	192	69	231	492	302
AEBP2	KIRC	HM_w	230	69	192	491	303
MPHOSPH8	KIRC	HM_r	196	253	42	491	304
SIRT5	KIRC	HA_e	105	69	316	490	305
DPF1	KIRC	ChRC	76	286	127	489	306
HELLS	KIRC	Helicases	261	69	158	488	307
SMARCE1	KIRC	Helicases	240	206	42	488	308
MTA3	KIRC	ChRC	194	250	42	486	309
SMYD5	KIRC	HM_w	21	69	396	486	310
PHF10	KIRC	Others	125	317	42	484	311
TRIM33	KIRC	HA_r	373	69	42	484	312
JADE1	KIRC	Others	232	69	182	483	313
RPH3A	KIRC	Others	284	69	130	483	314
SP140L	KIRC	HA_r	170	69	242	481	315
CHD6	KIRC	Helicases	368	69	42	479	316
KDM4E	KIRC	HM_e	141	69	268	478	317
SIN3B	KIRC	ChRC	106	69	303	478	318
KAT6B	KIRC	HA_w	365	69	42	476	319
L3MBTL4	KIRC	Others	202	69	205	476	320
KDM4A	KIRC	HM_e	364	69	42	475	321

PHC2	KIRC	ChRC	361	69	42	472	322
FKBP5	KIRC	Others	69	69	333	471	323
JARID2	KIRC	ChRC	258	69	141	468	324
DPY30	KIRC	Others	75	69	322	466	325
BRD3	KIRC	HA_r	85	338	42	465	326
SETD6	KIRC	HM_w	107	69	288	464	327
RAG2	KIRC	HM_r	246	69	147	462	328
TCEA1	KIRC	Others	19	69	374	462	329
WDR82	KIRC	Others	13	406	42	461	330
DMAP1	KIRC	Others	222	69	169	460	331
SFMBT2	KIRC	Others	175	69	215	459	332
PHRF1	KIRC	Others	187	229	42	458	333
NAP1L1	KIRC	Others	43	69	345	457	334
MARCH5	KIRC	Others	201	69	186	456	335
PRMT7	KIRC	HM_w	111	69	276	456	336
CLOCK	KIRC	HA_w	223	69	162	454	337
SP110	KIRC	HA_r	20	69	361	450	338
TDRD1	KIRC	Others	236	69	145	450	339
BRD4	KIRC	HA_r	337	69	42	448	340
PRMT6	KIRC	HM_w	112	69	262	443	341
DAXX	KIRC	ChRC	330	69	42	441	342
RNF217	KIRC	Others	180	216	42	438	343
L3MBTL3	KIRC	Others	138	257	42	437	344
LBR	KIRC	Others	137	256	42	435	345
MBD3	KIRC	DM_r	45	255	132	432	346
PRKAA1	KIRC	Others	36	220	175	431	347
ING5	KIRC	HM_r	50	69	309	428	348
HSPBAP1	KIRC	Others	55	329	42	426	349
KDM1B	KIRC	HM_e	47	69	308	424	350
SETD1B	KIRC	HM_w	28	69	326	423	351
AICDA	KIRC	DM_e	161	69	191	421	352
AIRE	KIRC	HM_r	90	69	257	416	353
GTF2B	KIRC	Others	66	69	281	416	354
TDRD12	KIRC	Others	96	199	121	416	355
CBX7	KIRC	HM_r	80	293	42	415	356

EHMT1	KIRC	HM_w	302	69	42	413	357
EPC2	KIRC	Others	301	69	42	412	358
PADI1	KIRC	Others	42	246	123	411	359
FKBP2	KIRC	Others	70	69	271	410	360
GATAD2A	KIRC	HM_r	298	69	42	409	361
PCMT1	KIRC	Others	128	239	42	409	362
PHF21B	KIRC	HM_r	38	232	139	409	363
PHF13	KIRC	Others	124	236	42	402	364
USP27X	KIRC	Others	15	344	42	401	365
FBXO17	KIRC	Others	73	284	42	399	366
ZMYND11	KIRC	HA_r	163	194	42	399	367
SCMH1	KIRC	Others	283	69	42	394	368
SMARCB1	KIRC	Helicases	279	69	42	390	369
SSRP1	KIRC	Others	277	69	42	388	370
TRIM66	KIRC	HA_r	94	69	223	386	371
CDYL	KIRC	HM_r	270	69	42	381	372
HDGFL1	KIRC	Others	145	69	167	381	373
EHMT2	KIRC	HM_w	267	69	42	378	374
HDAC2	KIRC	HA_e	63	273	42	378	375
HDAC1	KIRC	HA_e	264	69	42	375	376
KDM4D	KIRC	HM_e	255	69	42	366	377
MBD1	KIRC	DM_r	253	69	42	364	378
RPS6KA5	KIRC	Others	108	213	42	363	379
TCF19	KIRC	Others	97	69	193	359	380
PRDM1	KIRC	HM_w	119	69	165	353	381
SIN3A	KIRC	ChRC	242	69	42	353	382
PRDM8	KIRC	HM_w	115	69	161	345	383
KDM5D	KIRC	HM_e	231	69	42	342	384
ING4	KIRC	HM_r	51	69	219	339	385
PCGF5	KIRC	Others	130	69	140	339	386
CSTL1	KIRC	Others	78	69	188	335	387
EPC1	KIRC	Others	219	69	42	330	388
PADI4	KIRC	Others	41	244	42	327	389
BMI1	KIRC	ChRC	87	69	163	319	390
L3MBTL2	KIRC	Others	203	69	42	314	391

MORF4L1	KIRC	HM_r	197	69	42	308	392
PHF5A	KIRC	Others	37	69	201	307	393
NCOA1	KIRC	HA_w	191	69	42	302	394
PRMT2	KIRC	HM_w	35	218	42	295	395
SMARCA5	KIRC	Helicases	172	69	42	283	396
HIST1H3B	KIRC	Others	56	69	153	278	397
DNMT3L	KIRC	DM_w	77	69	125	271	398
SETDB2	KIRC	HM_w	27	69	174	270	399
PHF11	KIRC	Others	39	69	157	265	400
DPF2	KIRC	Others	153	69	42	264	401
MBD5	KIRC	DM_r	136	69	42	247	402
SMYD1	KIRC	HM_w	22	69	155	246	403
HIST1H1B	KIRC	Others	57	69	116	242	404
PCGF6	KIRC	Others	129	69	42	240	405
POLE3	KIRC	ChRC	120	69	42	231	406
RBBP4	KIRC	ChRC	110	69	42	221	407
SP100	KIRC	HA_r	99	69	42	210	408
HIF1AN	KIRC	Others	59	69	42	170	409
HIRA	KIRC	Others	58	69	42	169	410
MBD2	KIRC	DM_r	46	69	42	157	411
MTF2	KIRC	HM_r	44	69	42	155	412
PARP2	KIRC	Others	40	69	42	151	413
PSIP1	KIRC	HM_r	34	69	42	145	414
SMNDC1	KIRC	Others	23	69	42	134	415
UTY	KIRC	HM_e	14	69	42	125	416
KMT2C	KIRP	HM_w	426	396	408	1230	1
SRCAP	KIRP	Others	422	354	396	1172	2
CREBBP	KIRP	HA_w	418	383	364	1165	3
SIRT7	KIRP	HA_e	326	410	422	1158	4
PAXIP1	KIRP	Others	337	394	421	1152	5
BPTF	KIRP	HA_r	384	406	361	1151	6
BAZ1B	KIRP	HA_r	386	337	420	1143	7
NSD1	KIRP	HM_w	404	421	302	1127	8
EP400	KIRP	HA_w	408	323	388	1119	9
SETD1A	KIRP	HM_w	371	358	389	1118	10

ATR	KIRP	Others	387	341	387	1115	11
KAT7	KIRP	HA_w	362	399	351	1112	12
BAZ2B	KIRP	HA_r	385	387	337	1109	13
FXR2	KIRP	Others	365	319	424	1108	14
KANSL1	KIRP	HA_w	390	301	416	1107	15
CBX1	KIRP	HM_r	307	386	401	1094	16
NCOR1	KIRP	ChRC	417	281	383	1081	17
DIDO1	KIRP	Others	352	328	400	1080	18
KDM6B	KIRP	HM_e	379	292	406	1077	19
AKAP1	KIRP	Others	236	414	425	1075	20
GLYR1	KIRP	HM_r	319	376	375	1070	21
HAT1	KIRP	HA_w	296	402	372	1070	22
PHC3	KIRP	ChRC	336	367	360	1063	23
FBXL19	KIRP	Others	300	378	373	1051	24
ING4	KIRP	HM_r	344	302	393	1039	25
JMJD1C	KIRP	HM_e	415	372	246	1033	26
KMT2A	KIRP	HM_w	400	412	221	1033	27
SMARCB1	KIRP	Helicases	402	242	384	1028	28
KDM3B	KIRP	HM_e	393	297	331	1021	29
JMJD6	KIRP	HM_e	201	401	415	1017	30
AFF4	KIRP	Others	312	388	315	1015	31
KDM2B	KIRP	HM_e	342	299	374	1015	32
MBTD1	KIRP	Others	193	411	411	1015	33
KAT8	KIRP	HA_w	247	371	394	1012	34
HDGF	KIRP	Others	346	311	353	1010	35
PRMT7	KIRP	HM_w	271	362	377	1010	36
ACTL6A	KIRP	ChRC	237	389	380	1006	37
ATM	KIRP	Others	411	425	165	1001	38
CBX4	KIRP	HM_r	410	404	186	1000	39
ARID4A	KIRP	ChRC	388	344	267	999	40
BRD2	KIRP	HA_r	397	334	264	995	41
HDAC6	KIRP	HA_e	364	312	316	992	42
DAXX	KIRP	ChRC	353	329	309	991	43
L3MBTL2	KIRP	Others	287	290	414	991	44
HCFC1	KIRP	Others	318	375	290	983	45

HNF1A	KIRP	ChRC	345	305	332	982	46
PBRM1	KIRP	HA_r	421	277	279	977	47
KDM5A	KIRP	HM_e	340	295	329	964	48
MBD4	KIRP	DM_r	286	289	385	960	49
NCOR2	KIRP	Others	376	280	303	959	50
KDM6A	KIRP	HM_e	419	293	245	957	51
RNF40	KIRP	Others	167	361	426	954	52
CHD4	KIRP	Helicases	305	330	311	946	53
ZGPAT	KIRP	Others	321	227	395	943	54
UBE2I	KIRP	Others	141	390	410	941	55
ATF7IP	KIRP	Others	309	342	287	938	56
KAT6A	KIRP	HA_w	406	300	222	928	57
ARID1A	KIRP	ChRC	416	345	166	927	58
MBD5	KIRP	DM_r	378	288	259	925	59
SP140L	KIRP	HA_r	151	417	340	908	60
JMJD8	KIRP	HM_e	90	400	413	903	61
DPF3	KIRP	HA_r	304	381	212	897	62
MLLT10	KIRP	HM_w	285	287	322	894	63
DOT1L	KIRP	HM_w	409	326	145	880	64
SMYD4	KIRP	HM_w	263	240	369	872	65
EZH2	KIRP	HM_w	111	413	347	871	66
CBX8	KIRP	ChRC	123	403	336	862	67
ACTL6B	KIRP	ChRC	254	415	191	860	68
ING5	KIRP	HM_r	93	422	343	858	69
SETD2	KIRP	HM_w	424	69	362	855	70
KMT2D	KIRP	HM_w	425	69	357	851	71
SP100	KIRP	HA_r	153	420	276	849	72
G2E3	KIRP	Others	348	318	182	848	73
CTCF	KIRP	Others	222	382	242	846	74
ATAT1	KIRP	Others	253	343	248	844	75
RBBP7	KIRP	ChRC	240	255	346	841	76
TDRD6	KIRP	Others	256	391	193	840	77
EZH1	KIRP	HM_w	349	69	419	837	78
ING3	KIRP	HM_r	204	423	209	836	79
SETD3	KIRP	HM_w	161	357	318	836	80

KDM3A	KIRP	HM_e	394	298	141	833	81
CHD8	KIRP	Helicases	405	384	42	831	82
FMR1	KIRP	Others	320	320	189	829	83
CHD5	KIRP	Helicases	356	385	85	826	84
PHF14	KIRP	Others	64	365	397	826	85
KMT2E	KIRP	HM_w	399	69	356	824	86
RPA3	KIRP	Others	46	360	418	824	87
ZCWPW1	KIRP	HM_r	12	407	402	821	88
PHF20L1	KIRP	HM_r	403	69	345	817	89
GATAD2B	KIRP	HM_r	212	317	283	812	90
KDM5C	KIRP	HM_e	246	294	270	810	91
TDRD5	KIRP	Others	257	233	317	807	92
BAP1	KIRP	Others	423	339	42	804	93
PHF2	KIRP	Others	375	271	157	803	94
ARID4B	KIRP	ChRC	366	69	367	802	95
RAI1	KIRP	Others	407	257	135	799	96
L3MBTL1	KIRP	HM_r	316	69	412	797	97
SFMBT2	KIRP	Others	265	356	176	797	98
SMARCC2	KIRP	Helicases	323	69	403	795	99
PRDM10	KIRP	HM_w	275	364	155	794	100
HDAC3	KIRP	HA_e	104	313	371	788	101
BMI1	KIRP	ChRC	232	336	216	784	102
BAZ2A	KIRP	HA_r	358	69	355	782	103
SETD6	KIRP	HM_w	160	246	376	782	104
SMARCD3	KIRP	Helicases	36	392	352	780	105
SUV39H2	KIRP	HM_w	150	353	275	778	106
CHD6	KIRP	Helicases	396	69	310	775	107
FBXO44	KIRP	Others	110	377	284	771	108
GTF3C4	KIRP	HA_w	210	315	237	762	109
INO80	KIRP	Helicases	343	373	42	758	110
SIRT4	KIRP	HA_e	157	243	358	758	111
CHD9	KIRP	Helicases	354	69	334	757	112
KDM4E	KIRP	HM_e	87	397	271	755	113
NCOA3	KIRP	HA_w	281	69	405	755	114
SND1	KIRP	HM_r	154	426	175	755	115

SMYD3	KIRP	HM_w	264	355	133	752	116
PARP1	KIRP	Others	338	69	342	749	117
SMYD1	KIRP	HM_w	239	241	269	749	118
AEBP2	KIRP	HM_w	313	69	365	747	119
SCMH1	KIRP	Others	268	249	229	746	120
HIST1H3B	KIRP	Others	100	306	339	745	121
MLLT6	KIRP	HM_w	284	69	392	745	122
PHF12	KIRP	Others	335	69	341	745	123
SMARCD2	KIRP	Helicases	37	409	297	743	124
HIST1H1C	KIRP	Others	292	307	143	742	125
RING1	KIRP	Others	168	254	320	742	126
BRWD1	KIRP	HA_r	357	69	313	739	127
AURKB	KIRP	Others	132	340	266	738	128
ARID2	KIRP	ChRC	398	69	268	735	129
PHF23	KIRP	HM_r	62	269	404	735	130
EED	KIRP	ChRC	113	380	241	734	131
DMAP1	KIRP	Others	221	327	185	733	132
MSH6	KIRP	HM_r	191	284	258	733	133
HDAC4	KIRP	HA_e	207	424	101	732	134
BOP 1	KIRP	Others	131	335	265	731	135
PCGF2	KIRP	Others	279	69	382	730	136
HIST1H1B	KIRP	Others	249	308	171	728	137
TP53BP1	KIRP	Others	401	231	96	728	138
RPS6KA5	KIRP	Others	166	359	200	725	139
EHMT2	KIRP	HM_w	303	379	42	724	140
PAF1	KIRP	Others	186	278	257	721	141
RSF1	KIRP	ChRC	269	251	199	719	142
EPC2	KIRP	Others	112	321	285	718	143
ERCC5	KIRP	Others	301	69	348	718	144
EPC1	KIRP	Others	350	322	42	714	145
JADE3	KIRP	Others	317	69	327	713	146
RNF17	KIRP	Others	389	253	71	713	147
SUPT16H	KIRP	Others	261	408	42	711	148
TDRD1	KIRP	Others	367	69	274	710	149
CBX3	KIRP	HM_r	226	69	409	704	150

CHD3	KIRP	Helicases	224	331	149	704	151
PHF21B	KIRP	HM_r	180	270	254	704	152
KDM1A	KIRP	HM_e	291	370	42	703	153
KDM8	KIRP	HM_e	85	291	326	702	154
MTA1	KIRP	ChRC	377	282	42	701	155
BAZ1A	KIRP	HA_r	233	338	128	699	156
CHD1	KIRP	Helicases	382	69	244	695	157
PRDM12	KIRP	HM_w	177	264	253	694	158
KAT2A	KIRP	HA_w	200	69	423	692	159
TAF3	KIRP	HA_r	260	237	195	692	160
TRIM24	KIRP	HA_r	144	416	132	692	161
BRD3	KIRP	HA_r	231	333	127	691	162
SFMBT1	KIRP	HM_r	266	245	177	688	163
KDM7A	KIRP	HM_e	245	69	366	680	164
PRDM4	KIRP	HM_w	56	263	359	678	165
BRD7	KIRP	HA_r	230	69	378	677	166
PHF3	KIRP	Others	374	69	232	675	167
HDAC9	KIRP	HA_e	206	69	398	673	168
HDAC11	KIRP	HA_e	295	69	308	672	169
ASH1L	KIRP	HM_w	412	69	188	669	170
DPF1	KIRP	ChRC	219	325	125	669	171
FKBP1A	KIRP	Others	214	69	386	669	172
LBR	KIRP	Others	339	69	260	668	173
TRIM28	KIRP	HA_r	143	350	173	666	174
PHF13	KIRP	Others	65	366	233	664	175
UBE2B	KIRP	Others	23	349	292	664	176
BRD1	KIRP	HA_r	308	69	286	663	177
KDM5B	KIRP	HM_e	288	69	305	662	178
SP140	KIRP	HA_r	152	418	90	660	179
GTF2B	KIRP	Others	297	316	42	655	180
NAP1L1	KIRP	Others	282	69	304	655	181
TDG	KIRP	ChRC	27	235	391	653	182
BRPF1	KIRP	HA_r	228	69	354	651	183
RNF20	KIRP	Others	329	69	252	650	184
PHF20	KIRP	HM_r	181	69	399	649	185

PHF7	KIRP	Others	179	266	203	648	186
SETD4	KIRP	HM_w	328	69	251	648	187
AFF1	KIRP	Others	360	69	218	647	188
SP110	KIRP	HA_r	32	419	196	647	189
ATAD2B	KIRP	HA_r	359	69	217	645	190
EP300	KIRP	HA_w	414	69	161	644	191
HIRA	KIRP	Others	293	309	42	644	192
SUV39H1	KIRP	HM_w	238	238	167	643	193
SMYD5	KIRP	HM_w	33	239	368	640	194
ORC1	KIRP	Others	72	279	288	639	195
SETD1B	KIRP	HM_w	162	247	228	637	196
DPY30	KIRP	Others	218	69	349	636	197
SETD5	KIRP	HM_w	267	69	300	636	198
IWS1	KIRP	Others	203	69	363	635	199
PHC2	KIRP	ChRC	277	274	84	635	200
PRKCD	KIRP	Others	273	262	98	633	201
FBXW9	KIRP	Others	380	69	183	632	202
PRMT5	KIRP	HM_w	331	259	42	632	203
GADD45B	KIRP	Others	299	69	262	630	204
PSIP1	KIRP	HM_r	330	258	42	630	205
ASXL2	KIRP	Others	235	69	324	628	206
KDM4A	KIRP	HM_e	289	296	42	627	207
ATAD2	KIRP	HA_r	234	69	323	626	208
TET3	KIRP	DM_e	145	232	249	626	209
NCOA1	KIRP	HA_w	392	69	158	619	210
KDM4B	KIRP	HM_e	341	69	208	618	211
ELP3	KIRP	HA_w	216	324	77	617	212
MECP2	KIRP	DM_r	79	368	170	617	213
BRD4	KIRP	HA_r	383	69	164	616	214
DPF2	KIRP	Others	381	69	162	612	215
GTF2H1	KIRP	Others	251	69	291	611	216
CBX2	KIRP	ChRC	127	405	78	610	217
DNMT3A	KIRP	DM_w	395	69	146	610	218
JADE1	KIRP	Others	248	69	289	606	219
PHF5A	KIRP	Others	61	268	277	606	220

RPH3A	KIRP	Others	270	252	83	605	221
DNMT3B	KIRP	DM_w	351	69	184	604	222
CBX5	KIRP	HM_r	126	69	407	602	223
TDRD9	KIRP	Others	25	351	224	600	224
PHC1	KIRP	ChRC	66	275	256	597	225
ZMYND8	KIRP	HA_r	138	69	390	597	226
KDM4C	KIRP	HM_e	197	69	330	596	227
SIN3B	KIRP	ChRC	327	69	198	594	228
SMARCE1	KIRP	Helicases	155	69	370	594	229
SMARCC1	KIRP	Helicases	324	69	197	590	230
MECOM	KIRP	Others	80	369	138	587	231
ASXL1	KIRP	Others	134	69	379	582	232
HR	KIRP	HM_e	98	304	180	582	233
PRDM6	KIRP	HM_w	176	363	42	581	234
PHF1	KIRP	HM_r	185	273	122	580	235
PRDM2	KIRP	HM_w	391	69	120	580	236
HDAC1	KIRP	HA_e	105	314	160	579	237
MSL3	KIRP	HA_w	76	283	220	579	238
CHD7	KIRP	Helicases	355	69	148	572	239
PRDM7	KIRP	HM_w	175	69	328	572	240
SIN3A	KIRP	ChRC	368	69	134	571	241
TET1	KIRP	DM_e	413	69	88	570	242
AICDA	KIRP	DM_e	137	346	86	569	243
ASXL3	KIRP	Others	310	69	187	566	244
TRIM33	KIRP	HA_r	322	69	172	563	245
KAT6B	KIRP	HA_w	363	69	130	562	246
PWWP2B	KIRP	Others	170	69	321	560	247
SSRP1	KIRP	Others	262	69	226	557	248
PRDM15	KIRP	HM_w	332	69	154	555	249
PRMT1	KIRP	HM_w	172	261	119	552	250
PCGF1	KIRP	Others	69	276	206	551	251
CECR2	KIRP	HA_r	120	332	94	546	252
MPHOSPH8	KIRP	HM_r	77	285	178	540	253
SIRT1	KIRP	HA_e	43	244	250	537	254
CHRA1	KIRP	ChRC	117	69	350	536	255

CLOCK	KIRP	HA_w	223	69	243	535	256
PRDM16	KIRP	HM_w	372	69	92	533	257
SMARCA4	KIRP	Helicases	420	69	42	531	258
KDM4D	KIRP	HM_e	88	398	42	528	259
PHF19	KIRP	HM_r	182	272	73	527	260
FBXO17	KIRP	Others	215	69	240	524	261
HDAC5	KIRP	HA_e	347	69	107	523	262
CHD1L	KIRP	Helicases	118	69	335	522	263
PRDM9	KIRP	HM_w	55	393	74	522	264
TDRD10	KIRP	Others	259	69	194	522	265
H2AFZ	KIRP	Others	107	69	344	520	266
MORF4L1	KIRP	HM_r	192	286	42	520	267
GTF2F1	KIRP	Others	211	69	238	518	268
BRD8	KIRP	HA_r	229	69	215	513	269
BRD9	KIRP	HA_r	130	69	314	513	270
HSPBAP1	KIRP	Others	97	374	42	513	271
BRWD3	KIRP	HA_r	252	69	190	511	272
TAF1L	KIRP	HA_r	148	69	294	511	273
CHAF1A	KIRP	ChRC	225	69	214	508	274
PARP2	KIRP	Others	70	395	42	507	275
PHF11	KIRP	Others	183	69	255	507	276
USP22	KIRP	Others	19	69	417	505	277
CDYL	KIRP	HM_r	122	69	312	503	278
HIF1AN	KIRP	Others	101	69	333	503	279
PPARGC1A	KIRP	Others	276	69	156	501	280
JADE2	KIRP	Others	91	69	338	498	281
TCF19	KIRP	Others	29	352	117	498	282
TAF1	KIRP	HA_r	314	69	111	494	283
FKBP5	KIRP	Others	213	69	211	493	284
HDGFL1	KIRP	Others	103	310	80	493	285
PHF8	KIRP	Others	59	265	168	492	286
SMARCA2	KIRP	Helicases	325	69	97	491	287
ARID1B	KIRP	ChRC	311	69	109	489	288
SMARCD1	KIRP	Helicases	38	69	381	488	289
HDAC7	KIRP	HA_e	294	69	124	487	290

PHIP	KIRP	HA_r	373	69	42	484	291
SETDB1	KIRP	HM_w	370	69	42	481	292
SHPRH	KIRP	Others	369	69	42	480	293
ZMYND11	KIRP	HA_r	139	69	272	480	294
PRMT2	KIRP	HM_w	171	260	42	473	295
SMARCA1	KIRP	Helicases	361	69	42	472	296
ING1	KIRP	HM_r	95	69	307	471	297
HDAC8	KIRP	HA_e	250	69	150	469	298
PYGO2	KIRP	HM_r	169	69	230	468	299
INTS12	KIRP	Others	92	69	306	467	300
NAP1L3	KIRP	Others	73	69	325	467	301
WDR5	KIRP	ChRC	15	228	223	466	302
KDM1B	KIRP	HM_e	290	69	106	465	303
MUM1	KIRP	Others	189	69	207	465	304
RAG2	KIRP	HM_r	315	69	79	463	305
CARM1	KIRP	HM_w	128	69	263	460	306
BRPF3	KIRP	HA_r	227	69	163	459	307
PRMT6	KIRP	HM_w	272	69	118	459	308
H3F3A	KIRP	Others	106	69	282	457	309
PHF10	KIRP	Others	184	69	204	457	310
RTF1	KIRP	Others	165	250	42	457	311
ATRX	KIRP	Helicases	133	69	247	449	312
HLTF	KIRP	Others	99	69	281	449	313
PHRF1	KIRP	Others	334	69	42	445	314
POLR2B	KIRP	Others	333	69	42	444	315
PRKAA1	KIRP	Others	173	69	202	444	316
SUZ12	KIRP	ChRC	149	69	225	443	317
TDRD3	KIRP	HM_r	258	69	116	443	318
PRDM5	KIRP	HM_w	274	69	99	442	319
PRDM13	KIRP	HM_w	242	69	129	440	320
ING2	KIRP	HM_r	94	303	42	439	321
KDM2A	KIRP	HM_e	89	69	280	438	322
TCF20	KIRP	Others	28	236	174	438	323
DNMT1	KIRP	DM_w	220	69	147	436	324
RNF2	KIRP	ChRC	48	69	319	436	325

TET2	KIRP	DM_e	255	69	103	427	326
IDH1	KIRP	DM_e	96	69	261	426	327
PRDM14	KIRP	HM_w	241	69	113	423	328
HDAC10	KIRP	HA_e	209	69	144	422	329
PYGO1	KIRP	HM_r	51	69	301	421	330
CHD2	KIRP	Helicases	306	69	42	417	331
FKBP2	KIRP	Others	109	69	239	417	332
ELP4	KIRP	HA_w	302	69	42	413	333
UBR7	KIRP	Others	21	348	42	411	334
KAT2B	KIRP	HA_w	199	69	142	410	335
PHF21A	KIRP	HM_r	63	69	278	410	336
SIRT2	KIRP	HA_e	42	69	299	410	337
GATAD2A	KIRP	HM_r	298	69	42	409	338
TDRKH	KIRP	Others	146	69	192	407	339
SIRT6	KIRP	HA_e	39	69	298	406	340
KIAA2026	KIRP	Others	196	69	140	405	341
SCML2	KIRP	HM_r	45	248	112	405	342
YY1	KIRP	ChRC	13	347	42	402	343
CHAF1B	KIRP	ChRC	119	69	213	401	344
SMNDC1	KIRP	Others	35	69	296	400	345
PADI6	KIRP	Others	243	69	87	399	346
SMYD2	KIRP	HM_w	34	69	295	398	347
MTA3	KIRP	ChRC	283	69	42	394	348
TCEA1	KIRP	Others	30	69	293	392	349
PADI4	KIRP	Others	280	69	42	391	350
PCMT1	KIRP	Others	278	69	42	389	351
MARCH5	KIRP	Others	83	69	236	388	352
GADD45A	KIRP	Others	108	69	210	387	353
L3MBTL3	KIRP	Others	195	69	123	387	354
PRDM11	KIRP	HM_w	178	69	136	383	355
PADI2	KIRP	Others	71	69	235	375	356
IDH2	KIRP	DM_e	205	69	100	374	357
PCGF5	KIRP	Others	68	69	234	371	358
PHF6	KIRP	HM_r	60	267	42	369	359
JARID2	KIRP	ChRC	202	69	93	364	360

UBE2E1	KIRP	Others	22	69	273	364	361
TRIM66	KIRP	HA_r	142	69	151	362	362
USP51	KIRP	Others	17	229	110	356	363
KMT2B	KIRP	HM_w	244	69	42	355	364
PRMT3	KIRP	HM_w	53	69	231	353	365
HELLS	KIRP	Helicases	102	69	181	352	366
RBBP4	KIRP	ChRC	50	256	42	348	367
PCGF6	KIRP	Others	67	69	205	341	368
SATB1	KIRP	Others	164	69	105	338	369
SIRT3	KIRP	HA_e	41	69	227	337	370
MTA2	KIRP	ChRC	190	69	76	335	371
L3MBTL4	KIRP	Others	84	69	179	332	372
SETDB2	KIRP	HM_w	159	69	104	332	373
TDRD12	KIRP	Others	26	234	70	330	374
EHMT1	KIRP	HM_w	217	69	42	328	375
PADI1	KIRP	Others	188	69	69	326	376
PADI3	KIRP	Others	187	69	68	324	377
SCML4	KIRP	Others	163	69	91	323	378
CBX7	KIRP	HM_r	124	69	126	319	379
HDAC2	KIRP	HA_e	208	69	42	319	380
RBBP5	KIRP	ChRC	49	69	201	319	381
PRDM8	KIRP	HM_w	174	69	75	318	382
CXXC1	KIRP	Others	115	69	131	315	383
BRDT	KIRP	HA_r	129	69	114	312	384
NAP1L2	KIRP	Others	74	69	169	312	385
UBE2A	KIRP	Others	24	69	219	312	386
MBD2	KIRP	DM_r	82	69	159	310	387
KAT5	KIRP	HA_w	198	69	42	309	388
SETMAR	KIRP	HM_w	158	69	82	309	389
MBD1	KIRP	DM_r	194	69	42	305	390
AIRE	KIRP	HM_r	136	69	95	300	391
CDYL2	KIRP	HM_r	121	69	108	298	392
CBX6	KIRP	HM_r	125	69	102	296	393
USP27X	KIRP	Others	18	230	42	290	394
MBD3	KIRP	DM_r	81	69	139	289	395

MTF2	KIRP	HM_r	75	69	137	281	396
RNF217	KIRP	Others	47	69	153	269	397
SMARCA5	KIRP	Helicases	156	69	42	267	398
CSTL1	KIRP	Others	116	69	81	266	399
SETD7	KIRP	HM_w	44	69	152	265	400
TDRD7	KIRP	Others	147	69	42	258	401
UHRF2	KIRP	DM_r	140	69	42	251	402
DNMT3L	KIRP	DM_w	114	69	67	250	403
PRDM1	KIRP	HM_w	57	69	121	247	404
ASH2L	KIRP	HM_w	135	69	42	246	405
KDM5D	KIRP	HM_e	86	69	42	197	406
ZCWPW2	KIRP	HM_r	11	69	115	195	407
PRMT8	KIRP	HM_w	52	69	72	193	408
MEN1	KIRP	ChRC	78	69	42	189	409
STK31	KIRP	Others	31	69	89	189	410
POLE3	KIRP	ChRC	58	69	42	169	411
PRKAA2	KIRP	Others	54	69	42	165	412
SIRT5	KIRP	HA_e	40	69	42	151	413
UHRF1	KIRP	DM_r	20	69	42	131	414
UTY	KIRP	HM_e	16	69	42	127	415
WDR82	KIRP	Others	14	69	42	125	416
KDM3B	LAML	HM_e	415	419	426	1260	1
HDAC3	LAML	HA_e	400	420	402	1222	2
SUZ12	LAML	ChRC	418	401	403	1222	3
ARID4B	LAML	ChRC	406	400	390	1196	4
EZH2	LAML	HM_w	419	412	337	1168	5
ATM	LAML	Others	348	399	419	1166	6
DNMT1	LAML	DM_w	378	355	421	1154	7
ASH2L	LAML	HM_w	352	372	422	1146	8
CHAF1B	LAML	ChRC	318	408	413	1139	9
BOP 1	LAML	Others	339	368	424	1131	10
ATAD2	LAML	HA_r	351	370	398	1119	11
DNMT3A	LAML	DM_w	426	354	339	1119	12
BRDT	LAML	HA_r	331	364	415	1110	13
DNMT3B	LAML	DM_w	377	353	362	1092	14

BRD4	LAML	HA_r	335	366	384	1085	15
TET2	LAML	DM_e	423	300	354	1077	16
CHRA1	LAML	ChRC	308	358	408	1074	17
DOT1L	LAML	HM_w	402	352	319	1073	18
KDM6A	LAML	HM_e	420	338	313	1071	19
BRWD1	LAML	HA_r	329	425	304	1058	20
ARID2	LAML	ChRC	407	373	264	1044	21
KMT2C	LAML	HM_w	396	424	203	1023	22
CHAF1A	LAML	ChRC	319	362	340	1021	23
PAXIP1	LAML	Others	171	418	423	1012	24
ELP4	LAML	HA_w	293	397	318	1008	25
CARM1	LAML	HM_w	328	363	303	994	26
KDM8	LAML	HM_e	397	337	256	990	27
CHD9	LAML	Helicases	309	359	320	988	28
KMT2A	LAML	HM_w	212	426	350	988	29
KAT6A	LAML	HA_w	230	341	414	985	30
NCOA3	LAML	HA_w	369	330	286	985	31
TRIM24	LAML	HA_r	363	409	213	985	32
CHD1	LAML	Helicases	317	405	261	983	33
CDYL2	LAML	HM_r	320	398	262	980	34
PADI2	LAML	Others	368	326	285	979	35
EZH1	LAML	HM_w	288	351	300	939	36
AIRE	LAML	HM_r	357	414	165	936	37
FBXW9	LAML	Others	284	350	299	933	38
L3MBTL1	LAML	HM_r	209	335	367	911	39
H3F3A	LAML	Others	268	395	236	899	40
HDAC7	LAML	HA_e	260	345	293	898	41
RNF40	LAML	Others	106	382	407	895	42
PARP1	LAML	Others	172	390	330	892	43
PRMT2	LAML	HM_w	124	411	357	892	44
JMJD8	LAML	HM_e	233	343	314	890	45
PHF20L1	LAML	HM_r	152	317	417	886	46
MBD3	LAML	DM_r	201	392	288	881	47
KAT2A	LAML	HA_w	232	342	292	866	48
SETD4	LAML	HM_w	94	406	366	866	49

NCOA1	LAML	HA_w	182	331	349	862	50
KANSL1	LAML	HA_w	416	69	370	855	51
TET1	LAML	DM_e	408	69	377	854	52
KDM4B	LAML	HM_e	223	340	290	853	53
AFF4	LAML	Others	388	422	42	852	54
CBX7	LAML	HM_r	381	69	397	847	55
KDM5B	LAML	HM_e	218	339	289	846	56
MTA2	LAML	ChRC	411	69	360	840	57
DNMT3L	LAML	DM_w	301	413	124	838	58
CHD5	LAML	Helicases	313	361	161	835	59
PHF13	LAML	Others	157	319	358	834	60
IDH1	LAML	DM_e	424	69	335	828	61
KAT8	LAML	HA_w	228	394	205	827	62
CTCF	LAML	Others	380	404	42	826	63
GADD45A	LAML	Others	277	349	195	821	64
ASXL2	LAML	Others	405	371	42	818	65
FBXL19	LAML	Others	287	396	133	816	66
GATAD2A	LAML	HM_r	275	347	194	816	67
BRPF1	LAML	HA_r	383	69	363	815	68
RNF2	LAML	ChRC	109	310	393	812	69
SMARCD3	LAML	Helicases	68	416	325	809	70
CHD6	LAML	Helicases	312	360	135	807	71
MTF2	LAML	HM_r	187	332	287	806	72
ARID1A	LAML	ChRC	387	69	342	798	73
BRD8	LAML	HA_r	333	421	42	796	74
ATAD2B	LAML	HA_r	350	69	375	794	75
BPTF	LAML	HA_r	384	367	42	793	76
BRWD3	LAML	HA_r	403	69	321	793	77
ARID4A	LAML	ChRC	354	69	365	788	78
HCFC1	LAML	Others	401	69	317	787	79
SMARCB1	LAML	Helicases	72	305	410	787	80
PHRF1	LAML	Others	144	387	253	784	81
ELP3	LAML	HA_w	294	69	420	783	82
PRMT6	LAML	HM_w	121	313	347	781	83
HDAC2	LAML	HA_e	375	69	336	780	84

BAZ2A	LAML	HA_r	342	69	364	775	85
BRD9	LAML	HA_r	332	69	374	775	86
PRMT7	LAML	HM_w	120	402	252	774	87
SMARCE1	LAML	Helicases	67	303	404	774	88
KMT2D	LAML	HM_w	395	336	42	773	89
AFF1	LAML	Others	359	69	343	771	90
SMARCC2	LAML	Helicases	391	69	309	769	91
ATRX	LAML	Helicases	346	69	351	766	92
PRDM16	LAML	HM_w	367	69	329	765	93
TCEA1	LAML	Others	46	301	416	763	94
HDAC1	LAML	HA_e	266	69	425	760	95
SMARCA4	LAML	Helicases	74	306	379	759	96
PARP2	LAML	Others	394	322	42	758	97
GADD45B	LAML	Others	276	348	132	756	98
BAZ1B	LAML	HA_r	343	369	42	754	99
DMAP1	LAML	Others	302	69	383	754	100
MLLT6	LAML	HM_w	193	333	228	754	101
RAI1	LAML	Others	114	312	328	754	102
CHD7	LAML	Helicases	311	69	373	753	103
RBBP4	LAML	ChRC	409	69	275	753	104
IDH2	LAML	DM_e	425	69	258	752	105
AEBP2	LAML	HM_w	360	69	322	751	106
PADI6	LAML	Others	174	323	254	751	107
PRMT3	LAML	HM_w	123	314	310	747	108
BRD7	LAML	HA_r	334	365	42	741	109
GATAD2B	LAML	HM_r	376	69	296	741	110
ASXL1	LAML	Others	421	69	247	737	111
SIN3B	LAML	ChRC	83	308	346	737	112
FBXO44	LAML	Others	285	69	382	736	113
HIRA	LAML	Others	254	69	412	735	114
SCML2	LAML	HM_r	414	69	251	734	115
AKAP1	LAML	Others	356	69	307	732	116
CDYL	LAML	HM_r	321	69	341	731	117
ARID1B	LAML	ChRC	355	69	306	730	118
MUM1	LAML	Others	186	391	152	729	119

KAT6B	LAML	HA_w	399	69	257	725	120
HIF1AN	LAML	Others	255	69	396	720	121
KAT5	LAML	HA_w	231	69	418	718	122
BMI1	LAML	ChRC	340	69	305	714	123
EP400	LAML	HA_w	390	69	248	707	124
DPF2	LAML	Others	299	69	338	706	125
PADI1	LAML	Others	177	327	202	706	126
CREBBP	LAML	HA_w	306	357	42	705	127
GTF2B	LAML	Others	273	69	361	703	128
ATF7IP	LAML	Others	386	69	246	701	129
DIDO1	LAML	Others	303	356	42	701	130
PHF12	LAML	Others	158	320	223	701	131
SRCAP	LAML	Others	55	377	268	700	132
AURKB	LAML	Others	385	69	245	699	133
HNF1A	LAML	ChRC	249	69	381	699	134
SETD1A	LAML	HM_w	97	381	219	697	135
KDM2A	LAML	HM_e	226	69	401	696	136
CBX4	LAML	HM_r	324	69	302	695	137
NCOR2	LAML	Others	180	328	187	695	138
ING3	LAML	HM_r	244	407	42	693	139
CBX5	LAML	HM_r	382	69	241	692	140
CECR2	LAML	HA_r	417	69	206	692	141
L3MBTL2	LAML	Others	208	69	411	688	142
KDM4D	LAML	HM_e	221	69	395	685	143
ING5	LAML	HM_r	242	69	372	683	144
SIRT3	LAML	HA_e	80	380	218	678	145
HDGF	LAML	Others	374	69	234	677	146
CXXC1	LAML	Others	304	69	301	674	147
JMJD6	LAML	HM_e	234	69	371	674	148
BAZ2B	LAML	HA_r	341	69	263	673	149
JMJD1C	LAML	HM_e	373	69	231	673	150
SETD6	LAML	HM_w	92	309	272	673	151
PRDM15	LAML	HM_w	134	423	115	672	152
L3MBTL4	LAML	Others	206	69	394	669	153
KAT7	LAML	HA_w	229	69	369	667	154

JADE1	LAML	Others	238	69	353	660	155
GTF2H1	LAML	Others	271	346	42	659	156
MSL3	LAML	HA_w	190	69	400	659	157
JADE2	LAML	Others	237	69	352	658	158
BAZ1A	LAML	HA_r	344	69	244	657	159
PHF20	LAML	HM_r	153	318	186	657	160
KDM5C	LAML	HM_e	217	69	368	654	161
BRD1	LAML	HA_r	338	69	243	650	162
FKBP2	LAML	Others	282	69	298	649	163
BRD2	LAML	HA_r	337	69	242	648	164
FKBP5	LAML	Others	281	69	297	647	165
HDAC6	LAML	HA_e	261	69	316	646	166
PHF23	LAML	HM_r	149	388	108	645	167
HDAC8	LAML	HA_e	259	69	315	643	168
IWS1	LAML	Others	239	69	334	642	169
LBR	LAML	Others	205	393	42	640	170
RAG2	LAML	HM_r	115	384	139	638	171
CBX6	LAML	HM_r	323	69	240	632	172
HAT1	LAML	HA_w	267	69	295	631	173
ATAT1	LAML	Others	349	69	209	627	174
DPF3	LAML	HA_r	298	69	260	627	175
HDAC11	LAML	HA_e	264	69	294	627	176
INO80	LAML	Helicases	241	344	42	627	177
KDM4A	LAML	HM_e	224	69	333	626	178
NSD1	LAML	HM_w	179	403	42	624	179
BAP1	LAML	Others	345	69	208	622	180
PRDM7	LAML	HM_w	129	385	107	621	181
CHD4	LAML	Helicases	413	69	136	618	182
PHF11	LAML	Others	159	69	389	617	183
SMARCA2	LAML	Helicases	364	69	177	610	184
SMYD3	LAML	HM_w	63	379	168	610	185
FMR1	LAML	Others	280	69	259	608	186
BRPF3	LAML	HA_r	330	69	207	606	187
PADI3	LAML	Others	176	325	105	606	188
MBD1	LAML	DM_r	203	69	332	604	189

BRD3	LAML	HA_r	336	69	198	603	190
PRDM9	LAML	HM_w	393	69	141	603	191
PHF8	LAML	Others	145	69	388	602	192
PRKAA2	LAML	Others	392	69	140	601	193
AICDA	LAML	DM_e	358	69	173	600	194
PHF10	LAML	Others	160	321	116	597	195
KAT2B	LAML	HA_w	372	69	154	595	196
MEN1	LAML	ChRC	195	69	331	595	197
MSH6	LAML	HM_r	370	69	153	592	198
PRDM13	LAML	HM_w	136	69	387	592	199
FKBP1A	LAML	Others	283	69	239	591	200
PHC2	LAML	ChRC	163	69	359	591	201
SMARCD1	LAML	Helicases	70	304	216	590	202
PRDM6	LAML	HM_w	130	417	42	589	203
L3MBTL3	LAML	Others	207	69	312	588	204
KDM1B	LAML	HM_e	227	69	291	587	205
ASXL3	LAML	Others	404	69	112	585	206
PHF2	LAML	Others	154	389	42	585	207
PRDM11	LAML	HM_w	138	316	129	583	208
GTF2F1	LAML	Others	272	69	238	579	209
TDRD10	LAML	Others	389	69	121	579	210
TRIM66	LAML	HA_r	30	298	250	578	211
RSF1	LAML	ChRC	102	69	406	577	212
ACTL6B	LAML	ChRC	361	69	146	576	213
H2AFZ	LAML	Others	269	69	237	575	214
MLLT10	LAML	HM_w	194	334	42	570	215
PRDM10	LAML	HM_w	139	386	42	567	216
DPF1	LAML	ChRC	300	69	197	566	217
HDAC5	LAML	HA_e	262	69	235	566	218
SMYD2	LAML	HM_w	64	302	199	565	219
SIRT6	LAML	HA_e	77	307	179	563	220
TDRD7	LAML	Others	37	376	147	560	221
CBX2	LAML	ChRC	326	69	164	559	222
ORC1	LAML	Others	178	69	311	558	223
CHD3	LAML	Helicases	314	69	172	555	224

SIRT2	LAML	HA_e	81	69	405	555	225
CBX8	LAML	ChRC	322	69	163	554	226
PRDM14	LAML	HM_w	135	315	104	554	227
SMARCA1	LAML	Helicases	75	69	409	553	228
NCOR1	LAML	ChRC	181	329	42	552	229
SETD7	LAML	HM_w	91	69	392	552	230
PYGO2	LAML	HM_r	366	69	114	549	231
CHD2	LAML	Helicases	315	69	162	546	232
ING4	LAML	HM_r	243	69	233	545	233
PRDM8	LAML	HM_w	128	69	348	545	234
UBE2B	LAML	Others	28	415	101	544	235
G2E3	LAML	Others	278	69	196	543	236
TRIM33	LAML	HA_r	31	299	212	542	237
PADI4	LAML	Others	175	324	42	541	238
SETDB2	LAML	HM_w	89	69	380	538	239
JARID2	LAML	ChRC	235	69	232	536	240
UBE2I	LAML	Others	26	297	211	534	241
PHF6	LAML	HM_r	422	69	42	533	242
RNF20	LAML	Others	108	383	42	533	243
HDAC10	LAML	HA_e	265	69	193	527	244
EHMT2	LAML	HM_w	295	69	160	524	245
EED	LAML	ChRC	412	69	42	523	246
PHIP	LAML	HA_r	410	69	42	521	247
PCGF5	LAML	Others	167	69	284	520	248
PCGF6	LAML	Others	166	69	283	518	249
HELLS	LAML	Helicases	256	69	192	517	250
PCMT1	LAML	Others	165	69	282	516	251
FBXO17	LAML	Others	286	69	159	514	252
PHC1	LAML	ChRC	164	69	281	514	253
SSRP1	LAML	Others	54	69	391	514	254
SND1	LAML	HM_r	60	410	42	512	255
KDM2B	LAML	HM_e	398	69	42	509	256
HR	LAML	HM_e	248	69	191	508	257
NAP1L2	LAML	Others	184	69	255	508	258
SIRT1	LAML	HA_e	82	69	356	507	259

SP100	LAML	HA_r	59	69	378	506	260
ING2	LAML	HM_r	245	69	190	504	261
RNF217	LAML	Others	107	69	327	503	262
MBD2	LAML	DM_r	202	69	230	501	263
DPY30	LAML	Others	297	69	134	500	264
PHF21A	LAML	HM_r	151	69	280	500	265
GTF3C4	LAML	HA_w	270	69	158	497	266
MBTD1	LAML	Others	198	69	229	496	267
SCMH1	LAML	Others	99	69	326	494	268
KDM7A	LAML	HM_e	214	69	210	493	269
TDRD6	LAML	Others	38	69	386	493	270
DAXX	LAML	ChRC	379	69	42	490	271
HDAC4	LAML	HA_e	263	69	157	489	272
PPARGC1A	LAML	Others	141	69	279	489	273
KDM6B	LAML	HM_e	215	69	204	488	274
USP51	LAML	Others	20	69	399	488	275
CSTL1	LAML	Others	305	69	111	485	276
MTA1	LAML	ChRC	189	69	227	485	277
HDAC9	LAML	HA_e	258	69	156	483	278
KDM1A	LAML	HM_e	371	69	42	482	279
SMYD4	LAML	HM_w	62	378	42	482	280
ZMYND8	LAML	HA_r	11	296	175	482	281
NAP1L1	LAML	Others	185	69	226	480	282
PRDM2	LAML	HM_w	133	69	278	480	283
JADE3	LAML	Others	236	69	174	479	284
SMYD1	LAML	HM_w	65	69	345	479	285
STK31	LAML	Others	53	69	355	477	286
TRIM28	LAML	HA_r	32	69	376	477	287
SETD2	LAML	HM_w	365	69	42	476	288
USP22	LAML	Others	22	69	385	476	289
EHMT1	LAML	HM_w	296	69	110	475	290
ACTL6A	LAML	ChRC	362	69	42	473	291
PRKCD	LAML	Others	126	69	277	472	292
HDGFL1	LAML	Others	257	69	145	471	293
ING1	LAML	HM_r	246	69	155	470	294

PRMT1	LAML	HM_w	125	69	276	470	295
PAF1	LAML	Others	173	69	225	467	296
RBBP5	LAML	ChRC	113	311	42	466	297
ASH1L	LAML	HM_w	353	69	42	464	298
SUV39H1	LAML	HM_w	51	69	344	464	299
MARCH5	LAML	Others	204	69	189	462	300
PCGF2	LAML	Others	168	69	224	461	301
ATR	LAML	Others	347	69	42	458	302
MECOM	LAML	Others	197	69	188	454	303
HLTF	LAML	Others	250	69	131	450	304
RPS6KA5	LAML	Others	103	69	274	446	305
HIST1H1B	LAML	Others	253	69	120	442	306
SATB1	LAML	Others	100	69	273	442	307
UHRF1	LAML	DM_r	24	375	42	441	308
HIST1H3B	LAML	Others	251	69	119	439	309
CBX1	LAML	HM_r	327	69	42	438	310
CBX3	LAML	HM_r	325	69	42	436	311
MECP2	LAML	DM_r	196	69	171	436	312
KDM4E	LAML	HM_e	220	69	144	433	313
PRDM1	LAML	HM_w	140	69	222	431	314
TDRD9	LAML	Others	36	69	324	429	315
ZMYND11	LAML	HA_r	12	374	42	428	316
CHD1L	LAML	Helicases	316	69	42	427	317
PHF19	LAML	HM_r	155	69	201	425	318
TAF3	LAML	HA_r	47	69	308	424	319
HIST1H1C	LAML	Others	252	69	102	423	320
CHD8	LAML	Helicases	310	69	42	421	321
SIRT4	LAML	HA_e	79	69	271	419	322
CLOCK	LAML	HA_w	307	69	42	418	323
MBD5	LAML	DM_r	199	69	143	411	324
PWWP2B	LAML	Others	117	69	221	407	325
ZGPAT	LAML	Others	13	69	323	405	326
EP300	LAML	HA_w	292	69	42	403	327
EPC1	LAML	Others	291	69	42	402	328
PHF3	LAML	Others	148	69	185	402	329

EPC2	LAML	Others	290	69	42	401	330
ERCC5	LAML	Others	289	69	42	400	331
RING1	LAML	Others	111	69	220	400	332
SMYD5	LAML	HM_w	61	69	270	400	333
SP110	LAML	HA_r	58	69	269	396	334
PHF14	LAML	Others	156	69	170	395	335
NAP1L3	LAML	Others	183	69	142	394	336
FXR2	LAML	Others	279	69	42	390	337
GLYR1	LAML	HM_r	274	69	42	385	338
TCF19	LAML	Others	45	69	267	381	339
TDRD3	LAML	HM_r	40	69	266	375	340
PYGO1	LAML	HM_r	116	69	184	369	341
PHF7	LAML	Others	146	69	151	366	342
SIRT5	LAML	HA_e	78	69	217	364	343
POLE3	LAML	ChRC	143	69	150	362	344
HSPBAP1	LAML	Others	247	69	42	358	345
PCGF1	LAML	Others	169	69	118	356	346
PRDM12	LAML	HM_w	137	69	149	355	347
SFMBT2	LAML	Others	86	69	200	355	348
SMARCD2	LAML	Helicases	69	69	215	353	349
WDR5	LAML	ChRC	18	69	265	352	350
INTS12	LAML	Others	240	69	42	351	351
SCML4	LAML	Others	98	69	183	350	352
PHF1	LAML	HM_r	161	69	117	347	353
SETD1B	LAML	HM_w	96	69	182	347	354
PHF5A	LAML	Others	147	69	130	346	355
RPA3	LAML	Others	105	69	169	343	356
SP140	LAML	HA_r	57	69	214	340	357
SETMAR	LAML	HM_w	88	69	181	338	358
KDM3A	LAML	HM_e	225	69	42	336	359
SFMBT1	LAML	HM_r	87	69	180	336	360
KDM4C	LAML	HM_e	222	69	42	333	361
ZCWPW2	LAML	HM_r	14	69	249	332	362
KDM5A	LAML	HM_e	219	69	42	330	363
PHF21B	LAML	HM_r	150	69	109	328	364

PRDM5	LAML	HM_w	131	69	128	328	365
KDM5D	LAML	HM_e	216	69	42	327	366
KIAA2026	LAML	Others	213	69	42	324	367
SIRT7	LAML	HA_e	76	69	178	323	368
KMT2B	LAML	HM_w	211	69	42	322	369
KMT2E	LAML	HM_w	210	69	42	321	370
MBD4	LAML	DM_r	200	69	42	311	371
PRMT8	LAML	HM_w	119	69	123	311	372
MORF4L1	LAML	HM_r	192	69	42	303	373
MPHOSPH8	LAML	HM_r	191	69	42	302	374
MTA3	LAML	ChRC	188	69	42	299	375
RTF1	LAML	Others	101	69	127	297	376
RPH3A	LAML	Others	104	69	113	286	377
SMNDC1	LAML	Others	66	69	148	283	378
RNF17	LAML	Others	110	69	103	282	379
PBRM1	LAML	HA_r	170	69	42	281	380
PHC3	LAML	ChRC	162	69	42	273	381
TDRKH	LAML	Others	35	69	167	271	382
TET3	LAML	DM_e	34	69	166	269	383
SMARCC1	LAML	Helicases	71	69	126	266	384
ZCWPW1	LAML	HM_r	15	69	176	260	385
POLR2B	LAML	Others	142	69	42	253	386
TDRD1	LAML	Others	42	69	138	249	387
PRDM4	LAML	HM_w	132	69	42	243	388
PRKAA1	LAML	Others	127	69	42	238	389
UBE2A	LAML	Others	29	69	137	235	390
PRMT5	LAML	HM_w	122	69	42	233	391
TDRD5	LAML	Others	39	69	122	230	392
PSIP1	LAML	HM_r	118	69	42	229	393
RBBP7	LAML	ChRC	112	69	42	223	394
UBE2E1	LAML	Others	27	69	125	221	395
TDRD12	LAML	Others	41	69	106	216	396
SETD3	LAML	HM_w	95	69	42	206	397
SETD5	LAML	HM_w	93	69	42	204	398
SETDB1	LAML	HM_w	90	69	42	201	399

SHPRH	LAML	Others	85	69	42	196	400
SIN3A	LAML	ChRC	84	69	42	195	401
SMARCA5	LAML	Helicases	73	69	42	184	402
SP140L	LAML	HA_r	56	69	42	167	403
SUPT16H	LAML	Others	52	69	42	163	404
SUV39H2	LAML	HM_w	50	69	42	161	405
TAF1	LAML	HA_r	49	69	42	160	406
TAF1L	LAML	HA_r	48	69	42	159	407
TCF20	LAML	Others	44	69	42	155	408
TDG	LAML	ChRC	43	69	42	154	409
TP53BP1	LAML	Others	33	69	42	144	410
UBR7	LAML	Others	25	69	42	136	411
UHRF2	LAML	DM_r	23	69	42	134	412
USP27X	LAML	Others	21	69	42	132	413
UTY	LAML	HM_e	19	69	42	130	414
WDR82	LAML	Others	17	69	42	128	415
YY1	LAML	ChRC	16	69	42	127	416
KDM4C	LGG	HM_e	410	395	402	1207	1
CHD4	LGG	Helicases	390	422	389	1201	2
KMT2C	LGG	HM_w	408	409	365	1182	3
KMT2E	LGG	HM_w	375	394	410	1179	4
ATAD2	LGG	HA_r	394	425	354	1173	5
ARID1B	LGG	ChRC	416	353	378	1147	6
CHD8	LGG	Helicases	414	308	408	1130	7
KMT2A	LGG	HM_w	377	390	353	1120	8
ATF7IP	LGG	Others	393	380	337	1110	9
BMI1	LGG	ChRC	348	333	396	1077	10
USP51	LGG	Others	357	400	319	1076	11
DOT1L	LGG	HM_w	331	397	334	1062	12
EHMT1	LGG	HM_w	330	345	383	1058	13
PWWP2B	LGG	Others	404	385	268	1057	14
BRWD3	LGG	HA_r	392	346	315	1053	15
JMJD6	LGG	HM_e	315	376	361	1052	16
SND1	LGG	HM_r	266	405	379	1050	17
TAF3	LGG	HA_r	262	368	417	1047	18

BOP 1	LGG	Others	237	426	375	1038	19
CHRC1	LGG	ChRC	217	424	381	1022	20
PBRM1	LGG	HA_r	419	330	271	1020	21
SMARCA4	LGG	Helicases	424	382	201	1007	22
EZH2	LGG	HM_w	202	410	392	1004	23
HCFC1	LGG	Others	385	377	241	1003	24
SFMBT2	LGG	Others	271	373	358	1002	25
SP100	LGG	HA_r	401	355	246	1002	26
ARID1A	LGG	ChRC	423	173	405	1001	27
BRD4	LGG	HA_r	235	364	397	996	28
MECOM	LGG	Others	407	260	322	989	29
AEBP2	LGG	HM_w	251	399	338	988	30
CHD5	LGG	Helicases	415	196	374	985	31
ING3	LGG	HM_r	168	403	412	983	32
HDAC4	LGG	HA_e	411	411	160	982	33
ACTL6B	LGG	ChRC	252	389	339	980	34
BPTF	LGG	HA_r	236	365	377	978	35
CHAF1A	LGG	ChRC	220	379	376	975	36
ING4	LGG	HM_r	167	421	386	974	37
CARM1	LGG	HM_w	230	363	367	960	38
BRPF1	LGG	HA_r	343	274	336	953	39
KDM5A	LGG	HM_e	151	416	385	952	40
CLOCK	LGG	HA_w	335	398	215	948	41
DNMT1	LGG	DM_w	212	388	347	947	42
PAXIP1	LGG	Others	121	408	416	945	43
CBX5	LGG	HM_r	341	309	294	944	44
KDM4B	LGG	HM_e	309	361	272	942	45
GTF2F1	LGG	Others	187	362	390	939	46
PHF20L1	LGG	HM_r	107	423	409	939	47
FBXW9	LGG	Others	198	378	362	938	48
NCOR2	LGG	Others	406	340	190	936	49
DIDO1	LGG	Others	333	214	387	934	50
HIRA	LGG	Others	321	209	399	929	51
SCML2	LGG	HM_r	274	325	328	927	52
ASXL3	LGG	Others	395	248	279	922	53

CBX4	LGG	HM_r	226	351	335	912	54
HDAC8	LGG	HA_e	178	344	388	910	55
AICDA	LGG	DM_e	355	413	136	904	56
KIAA2026	LGG	Others	147	387	370	904	57
PHF13	LGG	Others	290	186	425	901	58
GATAD2A	LGG	HM_r	191	315	391	897	59
ACTL6A	LGG	ChRC	253	287	355	895	60
ARID4B	LGG	ChRC	396	219	280	895	61
ARID2	LGG	ChRC	397	335	162	894	62
SIRT3	LGG	HA_e	58	418	418	894	63
KDM6A	LGG	HM_e	307	332	254	893	64
HDAC2	LGG	HA_e	384	284	224	892	65
PHC1	LGG	ChRC	116	407	369	892	66
PCMT1	LGG	Others	292	329	270	891	67
FKBP5	LGG	Others	326	267	290	883	68
SETD5	LGG	HM_w	272	252	359	883	69
DAXX	LGG	ChRC	214	270	394	878	70
CHD1	LGG	Helicases	339	245	292	876	71
SMARCD3	LGG	Helicases	50	415	411	876	72
PHRF1	LGG	Others	286	419	169	874	73
SMARCA1	LGG	Helicases	362	279	232	873	74
KDM4E	LGG	HM_e	308	190	371	869	75
RNF17	LGG	Others	403	358	108	869	76
TRIM28	LGG	HA_r	257	414	198	869	77
CBX8	LGG	ChRC	223	350	293	866	78
KAT6A	LGG	HA_w	313	208	344	865	79
SMARCD2	LGG	Helicases	267	347	247	861	80
SP140	LGG	HA_r	360	370	128	858	81
CBX3	LGG	HM_r	227	216	414	857	82
HDGF	LGG	Others	176	305	373	854	83
SMARCC1	LGG	Helicases	269	320	265	854	84
MTA2	LGG	ChRC	374	189	286	849	85
AKAP1	LGG	Others	247	317	281	845	86
HNF1A	LGG	ChRC	171	343	331	845	87
PRDM10	LGG	HM_w	284	326	235	845	88

MSL3	LGG	HA_w	297	341	206	844	89
ASH2L	LGG	HM_w	245	199	398	842	90
CREBBP	LGG	HA_w	413	215	214	842	91
ATAD2B	LGG	HA_r	352	172	317	841	92
BAZ1B	LGG	HA_r	350	69	421	840	93
KDM7A	LGG	HM_e	378	69	393	840	94
CSTL1	LGG	Others	216	271	348	835	95
KDM5C	LGG	HM_e	150	342	343	835	96
MUM1	LGG	Others	132	392	307	831	97
SETD3	LGG	HM_w	273	230	327	830	98
TRIM24	LGG	HA_r	27	404	395	826	99
ING1	LGG	HM_r	318	283	223	824	100
BRPF3	LGG	HA_r	231	273	316	820	101
IDH1	LGG	DM_e	426	153	239	818	102
ZCWPW1	LGG	HM_r	255	366	196	817	103
SCMH1	LGG	Others	275	121	420	816	104
PRDM9	LGG	HM_w	405	234	167	806	105
POLR2B	LGG	Others	285	374	146	805	106
TDG	LGG	ChRC	398	226	181	805	107
H3F3A	LGG	Others	386	160	256	802	108
ASXL2	LGG	Others	353	198	244	795	109
JARID2	LGG	ChRC	162	303	330	795	110
HDAC10	LGG	HA_e	324	314	153	791	111
HIST1H1C	LGG	Others	382	263	140	785	112
KDM2B	LGG	HM_e	310	349	126	785	113
TDRD10	LGG	Others	261	225	297	783	114
GADD45B	LGG	Others	192	396	194	782	115
KDM5B	LGG	HM_e	409	239	130	778	116
SIRT7	LGG	HA_e	54	371	350	775	117
ATRX	LGG	Helicases	425	69	278	772	118
EP400	LGG	HA_w	387	69	312	768	119
SETD2	LGG	HM_w	402	324	42	768	120
HDAC1	LGG	HA_e	182	158	426	766	121
KMT2D	LGG	HM_w	421	302	42	765	122
CHD7	LGG	Helicases	336	168	259	763	123

ING2	LGG	HM_r	169	401	193	763	124
HR	LGG	HM_e	319	154	288	761	125
PHF14	LGG	Others	111	235	415	761	126
CBX2	LGG	ChRC	228	352	178	758	127
ING5	LGG	HM_r	166	417	175	758	128
TAF1L	LGG	HA_r	399	177	182	758	129
PRMT8	LGG	HM_w	88	420	249	757	130
ATM	LGG	Others	242	218	296	756	131
EPC2	LGG	Others	412	69	275	756	132
MLLT10	LGG	HM_w	138	331	287	756	133
STK31	LGG	Others	264	227	263	754	134
CECR2	LGG	HA_r	221	272	260	753	135
HIF1AN	LGG	Others	174	156	423	753	136
IDH2	LGG	DM_e	422	152	176	750	137
ATAT1	LGG	Others	243	275	230	748	138
PRDM5	LGG	HM_w	366	257	125	748	139
MBD3	LGG	DM_r	140	393	209	742	140
EED	LGG	ChRC	206	163	366	735	141
CHAF1B	LGG	ChRC	340	69	325	734	142
PRDM1	LGG	HM_w	369	129	236	734	143
RPH3A	LGG	Others	74	357	300	731	144
TAF1	LGG	HA_r	400	289	42	731	145
KANSL1	LGG	HA_w	314	69	345	728	146
SHPRH	LGG	Others	363	322	42	727	147
HELLS	LGG	Helicases	322	69	332	723	148
PARP1	LGG	Others	293	69	360	722	149
MEN1	LGG	ChRC	300	69	352	721	150
PYGO2	LGG	HM_r	85	255	380	720	151
G2E3	LGG	Others	194	266	258	718	152
MECP2	LGG	DM_r	301	375	42	718	153
MBD4	LGG	DM_r	303	206	208	717	154
SUV39H2	LGG	HM_w	40	319	357	716	155
ATR	LGG	Others	351	69	295	715	156
KDM4D	LGG	HM_e	152	191	372	715	157
DNMT3A	LGG	DM_w	418	165	131	714	158

GATAD2B	LGG	HM_r	190	212	311	713	159
KDM4A	LGG	HM_e	153	147	413	713	160
SETD7	LGG	HM_w	66	348	299	713	161
HDAC3	LGG	HA_e	180	242	289	711	162
KAT5	LGG	HA_w	158	150	403	711	163
SP140L	LGG	HA_r	42	369	298	709	164
GTF3C4	LGG	HA_w	185	265	257	707	165
PRKCD	LGG	Others	94	311	302	707	166
MARCH5	LGG	Others	142	145	419	706	167
BRD1	LGG	HA_r	347	316	42	705	168
UBR7	LGG	Others	20	278	406	704	169
SIN3B	LGG	ChRC	61	321	321	703	170
PRMT5	LGG	HM_w	365	295	42	702	171
MPHOSPH8	LGG	HM_r	298	360	42	700	172
EHMT2	LGG	HM_w	388	268	42	698	173
ZMYND11	LGG	HA_r	254	402	42	698	174
HDAC9	LGG	HA_e	177	210	310	697	175
MBD5	LGG	DM_r	302	142	252	696	176
CTCF	LGG	Others	334	69	291	694	177
HDAC6	LGG	HA_e	383	69	240	692	178
SUPT16H	LGG	Others	359	290	42	691	179
PRKAA1	LGG	Others	279	69	341	689	180
CDYL2	LGG	HM_r	391	69	228	688	181
PRDM11	LGG	HM_w	368	69	251	688	182
PHF11	LGG	Others	113	386	186	685	183
GTF2B	LGG	Others	188	69	422	679	184
UHRF2	LGG	DM_r	256	381	42	679	185
PRDM15	LGG	HM_w	282	127	269	678	186
EP300	LGG	HA_w	328	307	42	677	187
HAT1	LGG	HA_w	183	159	333	675	188
RSF1	LGG	ChRC	277	69	329	675	189
CHD9	LGG	Helicases	389	69	216	674	190
BRD3	LGG	HA_r	345	286	42	673	191
JADE1	LGG	Others	381	69	222	672	192
PHF10	LGG	Others	291	339	42	672	193

FBXO17	LGG	Others	200	69	400	669	194
PPARGC1A	LGG	Others	370	130	168	668	195
NAP1L1	LGG	Others	296	237	133	666	196
POLE3	LGG	ChRC	101	183	382	666	197
SETMAR	LGG	HM_w	364	69	233	666	198
BRD9	LGG	HA_r	233	69	363	665	199
PHF23	LGG	HM_r	288	69	303	660	200
BRDT	LGG	HA_r	232	246	179	657	201
SATB1	LGG	Others	276	231	150	657	202
BRD8	LGG	HA_r	344	69	243	656	203
SETD1B	LGG	HM_w	69	337	248	654	204
RBBP7	LGG	ChRC	81	338	234	653	205
SFMBT1	LGG	HM_r	63	323	267	653	206
L3MBTL2	LGG	Others	305	301	42	648	207
SRCAP	LGG	Others	265	118	264	647	208
HDAC7	LGG	HA_e	179	306	159	644	209
DNMT3B	LGG	DM_w	332	69	242	643	210
WDR5	LGG	ChRC	16	277	349	642	211
JMJD1C	LGG	HM_e	316	151	174	641	212
INTS12	LGG	Others	164	69	404	637	213
BAZ1A	LGG	HA_r	239	217	180	636	214
KAT8	LGG	HA_w	156	207	273	636	215
KDM8	LGG	HM_e	148	146	342	636	216
BRD2	LGG	HA_r	346	247	42	635	217
NAP1L2	LGG	Others	131	313	191	635	218
RAG2	LGG	HM_r	278	204	151	633	219
ASXL1	LGG	Others	244	69	318	631	220
RBBP4	LGG	ChRC	83	123	424	630	221
PADI2	LGG	Others	372	135	122	629	222
SIRT6	LGG	HA_e	55	372	202	629	223
HDGFL1	LGG	Others	175	304	148	627	224
DPF3	LGG	HA_r	208	269	142	619	225
BAP1	LGG	Others	240	334	42	616	226
SP110	LGG	HA_r	43	354	219	616	227
ELP4	LGG	HA_w	329	244	42	615	228

RING1	LGG	Others	80	232	301	613	229
FKBP2	LGG	Others	196	69	346	611	230
KAT6B	LGG	HA_w	420	149	42	611	231
CXXC1	LGG	Others	215	167	226	608	232
CDYL	LGG	HM_r	222	69	314	605	233
PHF21B	LGG	HM_r	106	328	170	604	234
SMARCC2	LGG	Helicases	268	293	42	603	235
TRIM33	LGG	HA_r	26	175	401	602	236
PHC2	LGG	ChRC	371	188	42	601	237
UBE2B	LGG	Others	23	222	356	601	238
PHF19	LGG	HM_r	110	185	305	600	239
PRDM14	LGG	HM_w	283	128	185	596	240
TRIM66	LGG	HA_r	25	406	164	595	241
SUV39H1	LGG	HM_w	263	69	262	594	242
MBD2	LGG	DM_r	141	143	309	593	243
TDRD9	LGG	Others	260	224	109	593	244
TDRKH	LGG	Others	29	200	364	593	245
TET2	LGG	DM_e	358	69	165	592	246
FKBP1A	LGG	Others	197	69	324	590	247
PHF3	LGG	Others	417	131	42	590	248
DPY30	LGG	Others	207	69	313	589	249
FBXL19	LGG	Others	201	162	225	588	250
AURKB	LGG	Others	241	69	277	587	251
FXR2	LGG	Others	195	69	323	587	252
NAP1L3	LGG	Others	130	299	158	587	253
HDAC11	LGG	HA_e	181	243	161	585	254
KDM6B	LGG	HM_e	306	69	210	585	255
PHC3	LGG	ChRC	115	282	188	585	256
PRMT2	LGG	HM_w	92	124	368	584	257
JADE3	LGG	Others	380	69	134	583	258
MSH6	LGG	HM_r	136	139	308	583	259
EZH1	LGG	HM_w	327	213	42	582	260
PRDM16	LGG	HM_w	281	182	118	581	261
JADE2	LGG	Others	317	69	192	578	262
CBX6	LGG	HM_r	225	69	276	570	263

FBXO44	LGG	Others	199	194	177	570	264
PHF7	LGG	Others	103	327	137	567	265
SUZ12	LGG	ChRC	39	202	326	567	266
L3MBTL3	LGG	Others	145	300	120	565	267
ASH1L	LGG	HM_w	246	276	42	564	268
SMYD4	LGG	HM_w	45	178	340	563	269
KAT7	LGG	HA_w	157	148	255	560	270
PHF1	LGG	HM_r	114	259	187	560	271
SMNDC1	LGG	Others	48	291	220	559	272
PHF8	LGG	Others	102	412	42	556	273
BRWD1	LGG	HA_r	342	171	42	555	274
KDM1A	LGG	HM_e	312	69	173	554	275
BAZ2B	LGG	HA_r	349	69	135	553	276
HIST1H1B	LGG	Others	173	264	115	552	277
PAF1	LGG	Others	294	69	189	552	278
MBTD1	LGG	Others	139	205	207	551	279
RPA3	LGG	Others	75	69	407	551	280
PRDM13	LGG	HM_w	367	69	114	550	281
CHD6	LGG	Helicases	337	169	42	548	282
SMYD1	LGG	HM_w	361	69	116	546	283
HIST1H3B	LGG	Others	172	262	111	545	284
KDM2A	LGG	HM_e	311	192	42	545	285
SSRP1	LGG	Others	41	117	384	542	286
SMARCB1	LGG	Helicases	270	229	42	541	287
AFF4	LGG	Others	249	249	42	540	288
KAT2B	LGG	HA_w	159	240	138	537	289
EPC1	LGG	Others	204	285	42	531	290
PRMT1	LGG	HM_w	93	391	42	526	291
TP53BP1	LGG	Others	258	223	42	523	292
CBX7	LGG	HM_r	224	69	229	522	293
HDAC5	LGG	HA_e	323	157	42	522	294
NCOA3	LGG	HA_w	295	69	157	521	295
HLTF	LGG	Others	320	155	42	517	296
CHD3	LGG	Helicases	218	69	227	514	297
DMAP1	LGG	Others	213	166	127	506	298

IWS1	LGG	Others	163	69	274	506	299
TCF19	LGG	Others	37	251	218	506	300
SMARCD1	LGG	Helicases	51	292	155	498	301
RPS6KA5	LGG	Others	73	280	144	497	302
GADD45A	LGG	Others	193	161	141	495	303
PCGF1	LGG	Others	120	69	306	495	304
KAT2A	LGG	HA_w	160	193	139	492	305
KDM3B	LGG	HM_e	379	69	42	490	306
MBD1	LGG	DM_r	304	144	42	490	307
SETDB2	LGG	HM_w	64	384	42	490	308
PSIP1	LGG	HM_r	87	359	42	488	309
KMT2B	LGG	HM_w	376	69	42	487	310
NCOR1	LGG	ChRC	373	69	42	484	311
MLLT6	LGG	HM_w	299	141	42	482	312
TET1	LGG	DM_e	259	69	154	482	313
PHF20	LGG	HM_r	108	69	304	481	314
TDRD1	LGG	Others	35	336	110	481	315
AIRE	LGG	HM_r	248	69	163	480	316
PRDM12	LGG	HM_w	100	258	121	479	317
SMARCA2	LGG	Helicases	53	383	42	478	318
PARP2	LGG	Others	122	312	42	476	319
SIRT5	LGG	HA_e	56	69	351	476	320
TDRD3	LGG	HM_r	33	318	124	475	321
DPF1	LGG	ChRC	210	69	195	474	322
SMYD3	LGG	HM_w	46	228	200	474	323
SETD1A	LGG	HM_w	70	120	283	473	324
PRDM7	LGG	HM_w	97	125	250	472	325
INO80	LGG	Helicases	165	261	42	468	326
NSD1	LGG	HM_w	128	298	42	468	327
UTY	LGG	HM_e	356	69	42	467	328
H2AFZ	LGG	Others	184	69	213	466	329
ARID4A	LGG	ChRC	354	69	42	465	330
LBR	LGG	Others	143	69	253	465	331
PYGO1	LGG	HM_r	86	233	145	464	332
KDM1B	LGG	HM_e	155	69	238	462	333

CHD1L	LGG	Helicases	219	197	42	458	334
HSPBAP1	LGG	Others	170	241	42	453	335
L3MBTL1	LGG	HM_r	146	69	237	452	336
PRDM8	LGG	HM_w	96	69	285	450	337
SMARCA5	LGG	Helicases	52	356	42	450	338
CHD2	LGG	Helicases	338	69	42	449	339
PRDM2	LGG	HM_w	280	126	42	448	340
PHF5A	LGG	Others	105	297	42	444	341
AFF1	LGG	Others	250	69	123	442	342
ELP3	LGG	HA_w	205	195	42	442	343
GLYR1	LGG	HM_r	189	211	42	442	344
JMJD8	LGG	HM_e	161	69	212	442	345
PHF6	LGG	HM_r	104	296	42	442	346
CBX1	LGG	HM_r	229	170	42	441	347
UBE2E1	LGG	Others	22	221	197	440	348
FMR1	LGG	Others	325	69	42	436	349
ORC1	LGG	Others	127	137	172	436	350
SMYD2	LGG	HM_w	47	69	320	436	351
KDM3A	LGG	HM_e	154	69	211	434	352
RNF2	LGG	ChRC	79	69	284	432	353
UHRF1	LGG	DM_r	19	367	42	428	354
PRDM4	LGG	HM_w	99	281	42	422	355
PCGF5	LGG	Others	118	132	171	421	356
DPF2	LGG	Others	209	164	42	415	357
MTA1	LGG	ChRC	135	238	42	415	358
PADI1	LGG	Others	126	136	152	414	359
RNF217	LGG	Others	77	294	42	413	360
UBE2I	LGG	Others	21	174	217	412	361
SMARCE1	LGG	Helicases	49	179	183	411	362
PHF21A	LGG	HM_r	289	69	42	400	363
PHIP	LGG	HA_r	287	69	42	398	364
TDRD6	LGG	Others	31	201	166	398	365
PCGF6	LGG	Others	117	236	42	395	366
SIRT4	LGG	HA_e	57	69	266	392	367
PRMT3	LGG	HM_w	91	256	42	389	368

PADI3	LGG	Others	125	134	129	388	369
DNMT3L	LGG	DM_w	211	69	107	387	370
PRKAA2	LGG	Others	95	69	221	385	371
PCGF2	LGG	Others	119	133	132	384	372
RBBP5	LGG	ChRC	82	254	42	378	373
RTF1	LGG	Others	72	253	42	367	374
WDR82	LGG	Others	15	310	42	367	375
TCF20	LGG	Others	36	288	42	366	376
PRMT7	LGG	HM_w	89	69	205	363	377
ZGPAT	LGG	Others	12	69	282	363	378
RAI1	LGG	Others	84	69	204	357	379
BAZ2A	LGG	HA_r	238	69	42	349	380
USP22	LGG	Others	18	69	261	348	381
BRD7	LGG	HA_r	234	69	42	345	382
PRMT6	LGG	HM_w	90	69	184	343	383
TET3	LGG	DM_e	28	69	245	342	384
PHF12	LGG	Others	112	187	42	341	385
SETD4	LGG	HM_w	68	69	203	340	386
PADI6	LGG	Others	123	69	147	339	387
PHF2	LGG	Others	109	184	42	335	388
L3MBTL4	LGG	Others	144	69	119	332	389
PRDM6	LGG	HM_w	98	181	42	321	390
MORF4L1	LGG	HM_r	137	140	42	319	391
UBE2A	LGG	Others	24	250	42	316	392
ERCC5	LGG	Others	203	69	42	314	393
MTA3	LGG	ChRC	134	138	42	314	394
ZCWPW2	LGG	HM_r	13	69	231	313	395
SETDB1	LGG	HM_w	65	203	42	310	396
RNF20	LGG	Others	78	180	42	300	397
TDRD5	LGG	Others	32	69	199	300	398
GTF2H1	LGG	Others	186	69	42	297	399
SETD6	LGG	HM_w	67	69	156	292	400
YY1	LGG	ChRC	14	220	42	276	401
KDM5D	LGG	HM_e	149	69	42	260	402
SMYD5	LGG	HM_w	44	69	143	256	403

SCML4	LGG	Others	71	69	113	253	404
TDRD7	LGG	Others	30	176	42	248	405
SIRT2	LGG	HA_e	59	69	117	245	406
MTF2	LGG	HM_r	133	69	42	244	407
NCOA1	LGG	HA_w	129	69	42	240	408
RNF40	LGG	Others	76	122	42	240	409
PADI4	LGG	Others	124	69	42	235	410
ZMYND8	LGG	HA_r	11	69	149	229	411
SIN3A	LGG	ChRC	62	119	42	223	412
TDRD12	LGG	Others	34	69	112	215	413
TCEA1	LGG	Others	38	116	42	196	414
SIRT1	LGG	HA_e	60	69	42	171	415
USP27X	LGG	Others	17	69	42	128	416
ASH1L	LIHC	HM_w	416	421	402	1239	1
CHD7	LIHC	Helicases	397	402	410	1209	2
BPTF	LIHC	HA_r	414	390	369	1173	3
ATAD2	LIHC	HA_r	399	426	344	1169	4
CHD1L	LIHC	Helicases	349	414	401	1164	5
ELP3	LIHC	HA_w	334	397	421	1152	6
PARP1	LIHC	Others	324	404	419	1147	7
PYGO2	LIHC	HM_r	293	422	424	1139	8
JARID2	LIHC	ChRC	383	386	367	1136	9
SETDB1	LIHC	HM_w	289	417	426	1132	10
EHMT2	LIHC	HM_w	335	388	406	1129	11
DIDO1	LIHC	Others	413	328	376	1117	12
BRD9	LIHC	HA_r	311	389	411	1111	13
PHF3	LIHC	Others	322	372	396	1090	14
SMARCD2	LIHC	Helicases	316	392	370	1078	15
CDYL	LIHC	HM_r	310	394	368	1072	16
TDRD10	LIHC	Others	239	418	414	1071	17
LBR	LIHC	Others	300	405	359	1064	18
BRD2	LIHC	HA_r	274	377	408	1059	19
PRDM16	LIHC	HM_w	295	371	371	1037	20
KMT2C	LIHC	HM_w	422	352	252	1026	21
DNMT3A	LIHC	DM_w	371	340	313	1024	22

NSD1	LIHC	HM_w	380	335	307	1022	23
KDM2A	LIHC	HM_e	303	354	360	1017	24
BAZ2A	LIHC	HA_r	398	274	343	1015	25
JMJD6	LIHC	HM_e	216	395	399	1010	26
EP400	LIHC	HA_w	404	293	312	1009	27
PAXIP1	LIHC	Others	299	334	365	998	28
EZH1	LIHC	HM_w	333	307	357	997	29
AKAP1	LIHC	Others	279	370	345	994	30
KANSL1	LIHC	HA_w	330	291	372	993	31
SMYD3	LIHC	HM_w	178	411	404	993	32
BRPF3	LIHC	HA_r	228	369	395	992	33
GATAD2B	LIHC	HM_r	155	420	417	992	34
PHF20L1	LIHC	HM_r	135	425	422	982	35
ASXL2	LIHC	Others	364	342	275	981	36
BRD7	LIHC	HA_r	387	206	382	975	37
ARID2	LIHC	ChRC	425	277	260	962	38
KDM5B	LIHC	HM_e	146	413	394	953	39
NCOA1	LIHC	HA_w	326	349	278	953	40
TDRD5	LIHC	Others	419	410	124	953	41
ASH2L	LIHC	HM_w	167	393	392	952	42
ASXL1	LIHC	Others	365	208	379	952	43
HIST1H1C	LIHC	Others	331	381	239	951	44
BOP 1	LIHC	Others	102	423	423	948	45
KDM1B	LIHC	HM_e	213	383	347	943	46
RBBP5	LIHC	ChRC	126	412	403	941	47
TCF20	LIHC	Others	400	213	327	940	48
CHD3	LIHC	Helicases	385	358	194	937	49
ING1	LIHC	HM_r	264	379	291	934	50
TCEA1	LIHC	Others	114	400	416	930	51
MECOM	LIHC	Others	391	351	187	929	52
SMYD2	LIHC	HM_w	116	407	405	928	53
ATR	LIHC	Others	418	312	196	926	54
CBX4	LIHC	HM_r	350	399	176	925	55
TDRD6	LIHC	Others	368	374	181	923	56
BAZ1B	LIHC	HA_r	231	311	378	920	57

MBD5	LIHC	DM_r	343	326	251	920	58
ARID4B	LIHC	ChRC	104	408	407	919	59
HDAC5	LIHC	HA_e	266	327	325	918	60
ATAD2B	LIHC	HA_r	376	360	179	915	61
BRPF1	LIHC	HA_r	352	297	259	908	62
ZGPAT	LIHC	Others	283	329	294	906	63
ARID1B	LIHC	ChRC	415	363	122	900	64
RING1	LIHC	Others	124	364	409	897	65
PRDM14	LIHC	HM_w	296	415	185	896	66
ACTL6A	LIHC	ChRC	169	344	380	893	67
CBX8	LIHC	ChRC	98	398	397	893	68
CHRA1	LIHC	ChRC	44	424	425	893	69
HCFC1	LIHC	Others	307	356	227	890	70
PHC3	LIHC	ChRC	255	348	286	889	71
TDRKH	LIHC	Others	55	416	415	886	72
SMARCC2	LIHC	Helicases	288	317	277	882	73
CHD8	LIHC	Helicases	271	268	342	881	74
MLLT6	LIHC	HM_w	260	325	288	873	75
KMT2E	LIHC	HM_w	392	256	224	872	76
HDGF	LIHC	Others	34	419	418	871	77
BRD8	LIHC	HA_r	273	271	326	870	78
KAT7	LIHC	HA_w	148	337	385	870	79
FXR2	LIHC	Others	92	357	420	869	80
KIAA2026	LIHC	Others	393	288	188	869	81
PHF23	LIHC	HM_r	133	346	387	866	82
BRD1	LIHC	HA_r	230	272	363	865	83
ARID1A	LIHC	ChRC	426	313	123	862	84
BRD4	LIHC	HA_r	336	309	215	860	85
FMR1	LIHC	Others	222	264	374	860	86
KAT2A	LIHC	HA_w	215	290	353	858	87
CBX2	LIHC	ChRC	100	396	361	857	88
CHD2	LIHC	Helicases	386	295	174	855	89
H3F3A	LIHC	Others	36	406	413	855	90
NCOR1	LIHC	ChRC	381	375	99	855	91
FKBP5	LIHC	Others	157	384	310	851	92

NCOA3	LIHC	HA_w	390	140	321	851	93
SETD1B	LIHC	HM_w	377	176	296	849	94
TAF3	LIHC	HA_r	315	299	234	848	95
MLLT10	LIHC	HM_w	208	286	352	846	96
L3MBTL1	LIHC	HM_r	344	190	308	842	97
PHF12	LIHC	Others	198	305	339	842	98
EP300	LIHC	HA_w	411	201	229	841	99
SFMBT2	LIHC	Others	403	332	106	841	100
DAXX	LIHC	ChRC	95	367	377	839	101
HELLS	LIHC	Helicases	332	150	356	838	102
PHF1	LIHC	HM_r	72	366	400	838	103
PPARGC1A	LIHC	Others	320	251	267	838	104
SIRT5	LIHC	HA_e	61	385	389	835	105
SMARCA1	LIHC	Helicases	317	318	199	834	106
BMI1	LIHC	ChRC	275	273	283	831	107
ING3	LIHC	HM_r	151	355	323	829	108
MECP2	LIHC	DM_r	210	350	269	829	109
CBX3	LIHC	HM_r	227	270	331	828	110
ATAT1	LIHC	Others	50	391	386	827	111
CHD6	LIHC	Helicases	407	162	258	827	112
SRCAP	LIHC	Others	408	175	244	827	113
GATAD2A	LIHC	HM_r	267	263	292	822	114
L3MBTL3	LIHC	Others	328	287	207	822	115
POLR2B	LIHC	Others	321	182	318	821	116
TAF1	LIHC	HA_r	401	115	303	819	117
PRDM2	LIHC	HM_w	294	321	203	818	118
SUPT16H	LIHC	Others	241	239	333	813	119
SND1	LIHC	HM_r	177	280	355	812	120
SIRT7	LIHC	HA_e	17	401	391	809	121
SIN3B	LIHC	ChRC	318	243	247	808	122
PRKAA1	LIHC	Others	250	219	337	806	123
AFF4	LIHC	Others	312	343	147	802	124
CHD9	LIHC	Helicases	396	294	112	802	125
PRMT5	LIHC	HM_w	249	217	336	802	126
CHD5	LIHC	Helicases	372	368	60	800	127

CHAF1A	LIHC	ChRC	272	296	231	799	128
PRDM10	LIHC	HM_w	251	250	298	799	129
SMARCA4	LIHC	Helicases	402	69	328	799	130
RAI1	LIHC	Others	291	320	184	795	131
SUZ12	LIHC	ChRC	174	316	304	794	132
ZCWPW1	LIHC	HM_r	236	315	243	794	133
KDM3B	LIHC	HM_e	345	259	189	793	134
CHD1	LIHC	Helicases	373	204	214	791	135
TDG	LIHC	ChRC	240	212	332	784	136
SIRT2	LIHC	HA_e	183	242	358	783	137
SETD3	LIHC	HM_w	246	123	412	781	138
SUV39H2	LIHC	HM_w	175	300	305	780	139
HR	LIHC	HM_e	305	403	71	779	140
CBX1	LIHC	HM_r	48	341	388	777	141
PHF14	LIHC	Others	253	184	338	775	142
CHD4	LIHC	Helicases	348	233	193	774	143
PARP2	LIHC	Others	202	252	320	774	144
CREBBP	LIHC	HA_w	395	232	146	773	145
EPC1	LIHC	Others	270	308	191	769	146
RNF2	LIHC	ChRC	22	409	335	766	147
PCGF2	LIHC	Others	201	324	236	761	148
PRDM1	LIHC	HM_w	339	323	98	760	149
HDAC6	LIHC	HA_e	347	195	211	753	150
TCF19	LIHC	Others	15	382	354	751	151
PHF10	LIHC	Others	341	365	42	748	152
ATM	LIHC	Others	388	276	81	745	153
TRIM28	LIHC	HA_r	171	210	364	745	154
WDR5	LIHC	ChRC	109	330	302	741	155
BAP1	LIHC	Others	423	275	42	740	156
HDAC4	LIHC	HA_e	362	152	225	739	157
KMT2D	LIHC	HM_w	424	143	169	736	158
FBXO17	LIHC	Others	159	231	341	731	159
SHPRH	LIHC	Others	369	319	42	730	160
KMT2B	LIHC	HM_w	421	257	42	720	161
ATRX	LIHC	Helicases	375	166	178	719	162

IWS1	LIHC	Others	359	69	290	718	163
PHIP	LIHC	HA_r	370	304	42	716	164
CBX6	LIHC	HM_r	166	234	314	714	165
KDM4C	LIHC	HM_e	358	258	90	706	166
KAT6B	LIHC	HA_w	410	192	102	704	167
NCOR2	LIHC	Others	412	69	222	703	168
ING2	LIHC	HM_r	152	378	171	701	169
MBTD1	LIHC	Others	75	336	289	700	170
PRDM9	LIHC	HM_w	194	303	202	699	171
ACTL6B	LIHC	ChRC	168	314	216	698	172
PRMT1	LIHC	HM_w	130	218	350	698	173
HDAC2	LIHC	HA_e	219	306	172	697	174
ASXL3	LIHC	Others	406	168	121	695	175
SIN3A	LIHC	ChRC	185	244	265	694	176
KMT2A	LIHC	HM_w	417	144	132	693	177
PAF1	LIHC	Others	73	253	366	692	178
PRDM11	LIHC	HM_w	338	132	220	690	179
DOT1L	LIHC	HM_w	363	69	256	688	180
HIST1H3B	LIHC	Others	217	380	91	688	181
EZH2	LIHC	HM_w	268	69	348	685	182
KDM3A	LIHC	HM_e	329	145	210	684	183
SFMBT1	LIHC	HM_r	120	245	317	682	184
HDAC9	LIHC	HA_e	384	194	103	681	185
PRDM13	LIHC	HM_w	297	322	58	677	186
PRDM4	LIHC	HM_w	196	130	351	677	187
ELP4	LIHC	HA_w	223	159	293	675	188
TRIM66	LIHC	HA_r	366	112	197	675	189
ERCC5	LIHC	Others	269	362	42	673	190
JMJD1C	LIHC	HM_e	382	147	144	673	191
SMARCE1	LIHC	Helicases	16	281	375	672	192
MBD1	LIHC	DM_r	212	69	390	671	193
SETD5	LIHC	HM_w	187	216	266	669	194
SIRT6	LIHC	HA_e	181	241	245	667	195
PHF13	LIHC	Others	71	373	221	665	196
HDAC3	LIHC	HA_e	85	196	383	664	197

SATB1	LIHC	Others	357	177	129	663	198
TET1	LIHC	DM_e	354	172	137	663	199
HDGFL1	LIHC	Others	218	387	56	661	200
AEBP2	LIHC	HM_w	105	209	346	660	201
GTF3C4	LIHC	HA_w	220	199	240	659	202
IDH2	LIHC	DM_e	265	261	133	659	203
PHC2	LIHC	ChRC	323	185	151	659	204
DPY30	LIHC	Others	41	267	349	657	205
KAT6A	LIHC	HA_w	394	69	190	653	206
PHRF1	LIHC	Others	389	222	42	653	207
UBE2B	LIHC	Others	13	236	398	647	208
UBE2A	LIHC	Others	14	237	393	644	209
BRD3	LIHC	HA_r	101	310	232	643	210
PHF11	LIHC	Others	254	347	42	643	211
AURKB	LIHC	Others	103	359	177	639	212
PCGF6	LIHC	Others	200	138	299	637	213
MORF4L1	LIHC	HM_r	29	223	384	636	214
BAZ2B	LIHC	HA_r	405	69	156	630	215
SMYD5	LIHC	HM_w	243	69	316	628	216
HLTF	LIHC	Others	82	292	253	627	217
PHC1	LIHC	ChRC	199	137	287	623	218
RSF1	LIHC	ChRC	247	246	130	623	219
GTF2H1	LIHC	Others	90	230	300	620	220
TRIM24	LIHC	HA_r	54	279	284	617	221
EHMT1	LIHC	HM_w	308	266	42	616	222
SMARCA2	LIHC	Helicases	409	69	138	616	223
USP22	LIHC	Others	314	69	233	616	224
BRWD3	LIHC	HA_r	351	69	195	615	225
PHF21A	LIHC	HM_r	340	133	140	613	226
G2E3	LIHC	Others	156	200	255	611	227
FBXO44	LIHC	Others	158	339	110	607	228
MUM1	LIHC	Others	259	69	279	607	229
AFF1	LIHC	Others	353	170	82	605	230
BAZ1A	LIHC	HA_r	276	207	120	603	231
TDRD9	LIHC	Others	367	173	63	603	232

FBXL19	LIHC	Others	160	158	282	600	233
PBRM1	LIHC	HA_r	379	69	152	600	234
PRKCD	LIHC	Others	23	248	329	600	235
KAT2B	LIHC	HA_w	263	193	143	599	236
PHF20	LIHC	HM_r	197	134	268	599	237
KDM6B	LIHC	HM_e	144	353	101	598	238
SMNDC1	LIHC	Others	244	69	285	598	239
YY1	LIHC	ChRC	107	110	381	598	240
HDAC8	LIHC	HA_e	84	151	362	597	241
MSH6	LIHC	HM_r	342	69	186	597	242
MTF2	LIHC	HM_r	204	141	249	594	243
POLE3	LIHC	ChRC	67	221	306	594	244
HIST1H1B	LIHC	Others	83	376	134	593	245
GTF2F1	LIHC	Others	154	153	281	588	246
ARID4A	LIHC	ChRC	278	169	136	583	247
NAP1L1	LIHC	Others	74	187	322	583	248
BRWD1	LIHC	HA_r	374	164	42	580	249
TDRD3	LIHC	HM_r	173	331	76	580	250
ATF7IP	LIHC	Others	277	167	135	579	251
IDH1	LIHC	DM_e	360	148	70	578	252
HDAC10	LIHC	HA_e	87	262	226	575	253
PRMT6	LIHC	HM_w	193	180	201	574	254
PHF5A	LIHC	Others	70	183	319	572	255
TET3	LIHC	DM_e	237	69	263	569	256
MBD4	LIHC	DM_r	211	189	168	568	257
KDM7A	LIHC	HM_e	281	69	217	567	258
DPF2	LIHC	Others	224	69	272	565	259
FBXW9	LIHC	Others	93	157	311	561	260
MTA1	LIHC	ChRC	327	188	42	557	261
PHF7	LIHC	Others	68	285	204	557	262
HDAC11	LIHC	HA_e	86	197	271	554	263
MTA2	LIHC	ChRC	205	69	280	554	264
UBE2I	LIHC	Others	12	278	261	551	265
STK31	LIHC	Others	242	240	68	550	266
MSL3	LIHC	HA_w	206	255	88	549	267

NAP1L2	LIHC	Others	140	186	223	549	268
SIRT4	LIHC	HA_e	182	120	246	548	269
PRDM15	LIHC	HM_w	337	131	79	547	270
HDAC7	LIHC	HA_e	153	69	324	546	271
DNMT3B	LIHC	DM_w	225	202	118	545	272
KDM6A	LIHC	HM_e	145	289	108	542	273
RNF17	LIHC	Others	378	69	95	542	274
KDM4B	LIHC	HM_e	262	69	208	539	275
KDM5A	LIHC	HM_e	78	191	270	539	276
SETD6	LIHC	HM_w	121	122	295	538	277
EPC2	LIHC	Others	161	265	111	537	278
RNF20	LIHC	Others	248	126	163	537	279
FKBP1A	LIHC	Others	40	156	340	536	280
GLYR1	LIHC	HM_r	91	69	373	533	281
SUV39H1	LIHC	HM_w	176	174	182	532	282
SETD2	LIHC	HM_w	420	69	42	531	283
ING5	LIHC	HM_r	150	69	309	528	284
L3MBTL4	LIHC	Others	261	225	42	528	285
MEN1	LIHC	ChRC	209	69	250	528	286
PRMT3	LIHC	HM_w	129	181	218	528	287
CARM1	LIHC	HM_w	49	163	315	527	288
RNF217	LIHC	Others	62	302	162	526	289
RAG2	LIHC	HM_r	292	69	164	525	290
CDYL2	LIHC	HM_r	46	205	273	524	291
KDM2B	LIHC	HM_e	302	69	153	524	292
CBX7	LIHC	HM_r	99	269	155	523	293
SETD1A	LIHC	HM_w	356	124	42	522	294
GADD45A	LIHC	Others	38	338	145	521	295
PHF19	LIHC	HM_r	136	136	248	520	296
PHF2	LIHC	Others	298	135	87	520	297
SP110	LIHC	HA_r	287	118	115	520	298
SP140	LIHC	HA_r	286	117	114	517	299
TDRD1	LIHC	Others	355	69	93	517	300
KDM4A	LIHC	HM_e	79	228	209	516	301
H2AFZ	LIHC	Others	89	198	228	515	302

ORC1	LIHC	Others	139	139	237	515	303
DMAP1	LIHC	Others	94	161	257	512	304
PCMT1	LIHC	Others	137	333	42	512	305
TP53BP1	LIHC	Others	284	69	159	512	306
TET2	LIHC	DM_e	238	211	62	511	307
RPH3A	LIHC	Others	290	125	94	509	308
MBD3	LIHC	DM_r	76	224	206	506	309
SMYD4	LIHC	HM_w	59	361	84	504	310
ZCWPW2	LIHC	HM_r	235	109	158	502	311
UBE2E1	LIHC	Others	112	111	276	499	312
PRKAA2	LIHC	Others	24	249	219	492	313
KDM1A	LIHC	HM_e	304	69	117	490	314
TRIM33	LIHC	HA_r	113	113	262	488	315
CLOCK	LIHC	HA_w	165	203	119	487	316
DNMT1	LIHC	DM_w	226	69	192	487	317
PWWP2B	LIHC	Others	63	127	297	487	318
BRDT	LIHC	HA_r	229	165	92	486	319
JADE1	LIHC	Others	313	69	104	486	320
PRMT8	LIHC	HM_w	192	129	165	486	321
SIRT3	LIHC	HA_e	119	215	150	484	322
SMARCC1	LIHC	Helicases	180	69	235	484	323
TDRD7	LIHC	Others	172	114	198	484	324
JADE3	LIHC	Others	233	69	180	482	325
PYGO1	LIHC	HM_r	128	247	107	482	326
PRDM12	LIHC	HM_w	25	284	166	475	327
RPS6KA5	LIHC	Others	319	69	86	474	328
EED	LIHC	ChRC	162	69	241	472	329
HNF1A	LIHC	ChRC	361	69	42	472	330
KDM8	LIHC	HM_e	143	227	100	470	331
SETMAR	LIHC	HM_w	186	121	160	467	332
TAF1L	LIHC	HA_r	285	69	113	467	333
RPA3	LIHC	Others	21	282	161	464	334
SMARCD1	LIHC	Helicases	60	69	334	463	335
JADE2	LIHC	Others	234	69	157	460	336
PADI1	LIHC	Others	325	69	66	460	337

KDM5C	LIHC	HM_e	301	69	89	459	338
INO80	LIHC	Helicases	346	69	42	457	339
PRDM6	LIHC	HM_w	132	283	42	457	340
SCMH1	LIHC	Others	188	69	200	457	341
SMYD1	LIHC	HM_w	179	214	64	457	342
INTS12	LIHC	Others	149	260	42	451	343
SMARCB1	LIHC	Helicases	118	69	264	451	344
WDR82	LIHC	Others	108	298	42	448	345
HIF1AN	LIHC	Others	33	149	254	436	346
SETDB2	LIHC	HM_w	18	345	73	436	347
HAT1	LIHC	HA_w	35	69	330	434	348
AIRE	LIHC	HM_r	280	69	75	424	349
ZMYND11	LIHC	HA_r	51	69	301	421	350
CTCF	LIHC	Others	309	69	42	420	351
SMARCA5	LIHC	Helicases	245	69	105	419	352
GTF2B	LIHC	Others	221	154	42	417	353
HIRA	LIHC	Others	306	69	42	417	354
ING4	LIHC	HM_r	32	229	154	415	355
NAP1L3	LIHC	Others	203	69	141	413	356
L3MBTL2	LIHC	Others	142	226	42	410	357
RNF40	LIHC	Others	190	178	42	410	358
CHAF1B	LIHC	ChRC	97	69	242	408	359
FKBP2	LIHC	Others	39	155	213	407	360
PHF8	LIHC	Others	252	69	80	401	361
SCML4	LIHC	Others	20	301	77	398	362
CXXC1	LIHC	Others	96	69	230	395	363
KDM5D	LIHC	HM_e	282	69	42	393	364
CBX5	LIHC	HM_r	47	69	274	390	365
DPF1	LIHC	ChRC	164	160	61	385	366
PADI2	LIHC	Others	258	69	57	384	367
PADI3	LIHC	Others	257	69	55	381	368
SIRT1	LIHC	HA_e	184	69	127	380	369
PCGF5	LIHC	Others	138	69	167	374	370
HDAC1	LIHC	HA_e	88	69	212	369	371
AICDA	LIHC	DM_e	232	69	67	368	372

PADI4	LIHC	Others	256	69	42	367	373
TDRD12	LIHC	Others	56	238	72	366	374
ZMYND8	LIHC	HA_r	106	108	148	362	375
PSIP1	LIHC	HM_r	191	128	42	361	376
KDM4D	LIHC	HM_e	147	69	142	358	377
PRDM5	LIHC	HM_w	195	69	78	342	378
PRDM7	LIHC	HM_w	66	220	54	340	379
PRMT7	LIHC	HM_w	64	179	96	339	380
KDM4E	LIHC	HM_e	30	69	238	337	381
SETD4	LIHC	HM_w	122	69	139	330	382
UHRF2	LIHC	DM_r	52	235	42	329	383
KAT5	LIHC	HA_w	214	69	42	325	384
RBBP7	LIHC	ChRC	125	69	131	325	385
MTA3	LIHC	ChRC	28	254	42	324	386
USP27X	LIHC	Others	111	171	42	324	387
SCML2	LIHC	HM_r	123	69	128	320	388
JMJD8	LIHC	HM_e	80	69	170	319	389
MPHOSPH8	LIHC	HM_r	207	69	42	318	390
SMARCD3	LIHC	Helicases	117	69	126	312	391
SSRP1	LIHC	Others	57	69	183	309	392
PCGF1	LIHC	Others	26	69	205	300	393
RTF1	LIHC	Others	189	69	42	300	394
SP140L	LIHC	HA_r	58	116	125	299	395
PRDM8	LIHC	HM_w	131	69	97	297	396
DPF3	LIHC	HA_r	163	69	59	291	397
CECR2	LIHC	HA_r	45	69	175	289	398
CSTL1	LIHC	Others	43	69	173	285	399
UTY	LIHC	HM_e	170	69	42	281	400
SP100	LIHC	HA_r	115	119	42	276	401
UBR7	LIHC	Others	53	69	149	271	402
PHF21B	LIHC	HM_r	134	69	65	268	403
USP51	LIHC	Others	110	69	83	262	404
MBD2	LIHC	DM_r	77	142	42	261	405
MARCH5	LIHC	Others	141	69	42	252	406
PRMT2	LIHC	HM_w	65	69	116	250	407

RBBP4	LIHC	ChRC	127	69	42	238	408
KAT8	LIHC	HA_w	31	146	42	219	409
GADD45B	LIHC	Others	37	69	109	215	410
HSPBAP1	LIHC	Others	81	69	42	192	411
DNMT3L	LIHC	DM_w	42	69	74	185	412
PHF6	LIHC	HM_r	69	69	42	180	413
SETD7	LIHC	HM_w	19	69	85	173	414
PADI6	LIHC	Others	27	69	69	165	415
UHRF1	LIHC	DM_r	11	69	42	122	416
ASH1L	LUAD	HM_w	416	419	415	1250	1
DIDO1	LUAD	Others	420	402	389	1211	2
KDM5B	LUAD	HM_e	378	404	419	1201	3
CHD7	LUAD	Helicases	414	384	402	1200	4
ATAD2	LUAD	HA_r	367	414	413	1194	5
BAZ1A	LUAD	HA_r	353	418	417	1188	6
PHF20L1	LUAD	HM_r	332	412	421	1165	7
STK31	LUAD	Others	385	367	397	1149	8
G2E3	LUAD	Others	308	410	411	1129	9
PHF14	LUAD	Others	335	386	407	1128	10
CHD8	LUAD	Helicases	409	326	379	1114	11
KDM5A	LUAD	HM_e	361	378	375	1114	12
GATAD2B	LUAD	HM_r	277	420	416	1113	13
BPTF	LUAD	HA_r	383	373	341	1097	14
SRCAP	LUAD	Others	411	279	398	1088	15
ARID4B	LUAD	ChRC	243	405	420	1068	16
ZGPAT	LUAD	Others	245	403	409	1057	17
CDYL	LUAD	HM_r	391	275	388	1054	18
CBX2	LUAD	ChRC	363	381	305	1049	19
CHD1L	LUAD	Helicases	236	421	392	1049	20
PYGO2	LUAD	HM_r	202	423	423	1048	21
TDRD5	LUAD	Others	384	406	256	1046	22
ARID1B	LUAD	ChRC	392	338	310	1040	23
BRD9	LUAD	HA_r	186	426	426	1038	24
ATR	LUAD	Others	397	277	361	1035	25
BAZ2A	LUAD	HA_r	318	347	370	1035	26

PRDM14	LUAD	HM_w	408	359	266	1033	27
PHF20	LUAD	HM_r	333	316	374	1023	28
ZMYND8	LUAD	HA_r	355	343	324	1022	29
NCOA3	LUAD	HA_w	359	345	312	1016	30
SETD1A	LUAD	HM_w	372	283	360	1015	31
FMR1	LUAD	Others	347	335	329	1011	32
EHMT2	LUAD	HM_w	279	336	395	1010	33
HDAC9	LUAD	HA_e	413	390	205	1008	34
SND1	LUAD	HM_r	371	300	337	1008	35
PARP1	LUAD	Others	213	394	399	1006	36
CHD6	LUAD	Helicases	415	252	335	1002	37
JARID2	LUAD	ChRC	362	290	347	999	38
MBD1	LUAD	DM_r	268	321	410	999	39
CBX3	LUAD	HM_r	239	365	393	997	40
SETDB1	LUAD	HM_w	146	425	425	996	41
DAXX	LUAD	ChRC	314	271	391	976	42
LBR	LUAD	Others	167	395	412	974	43
PAF1	LUAD	Others	263	354	353	970	44
BRD2	LUAD	HA_r	284	298	385	967	45
EZH2	LUAD	HM_w	278	355	330	963	46
RNF2	LUAD	ChRC	201	399	362	962	47
BOP 1	LUAD	Others	132	411	418	961	48
RSF1	LUAD	ChRC	199	382	372	953	49
PRDM9	LUAD	HM_w	425	417	109	951	50
ACTL6A	LUAD	ChRC	188	356	401	945	51
EED	LUAD	ChRC	280	361	304	945	52
PRKAA1	LUAD	Others	155	416	373	944	53
ATF7IP	LUAD	Others	366	351	225	942	54
JMJD6	LUAD	HM_e	169	364	408	941	55
HLTF	LUAD	Others	272	333	334	939	56
HDGF	LUAD	Others	173	415	348	936	57
CBX4	LUAD	HM_r	238	380	317	935	58
TDRKH	LUAD	Others	80	424	422	926	59
PRDM16	LUAD	HM_w	329	301	294	924	60
SUPT16H	LUAD	Others	250	312	357	919	61

RBBP5	LUAD	ChRC	95	409	414	918	62
CHD9	LUAD	Helicases	404	272	238	914	63
PCGF2	LUAD	Others	212	318	384	914	64
SMARCC2	LUAD	Helicases	196	313	405	914	65
DNMT3A	LUAD	DM_w	350	179	382	911	66
CHRA1	LUAD	ChRC	72	408	424	904	67
KDM1B	LUAD	HM_e	303	245	354	902	68
ASXL1	LUAD	Others	319	211	368	898	69
AEBP2	LUAD	HM_w	136	391	364	891	70
PAXIP1	LUAD	Others	160	362	369	891	71
RNF40	LUAD	Others	200	285	406	891	72
PHF2	LUAD	Others	334	289	267	890	73
ELP4	LUAD	HA_w	310	294	285	889	74
TDRD10	LUAD	Others	289	422	177	888	75
MECOM	LUAD	Others	302	383	202	887	76
SMARCA2	LUAD	Helicases	386	368	126	880	77
AKAP1	LUAD	Others	321	327	226	874	78
SMYD3	LUAD	HM_w	194	413	265	872	79
PARP2	LUAD	Others	161	344	366	871	80
PHC3	LUAD	ChRC	211	370	289	870	81
NCOA1	LUAD	HA_w	394	195	278	867	82
SMARCA1	LUAD	Helicases	356	282	229	867	83
KDM2A	LUAD	HM_e	222	244	400	866	84
MECP2	LUAD	DM_r	218	387	259	864	85
MLLT10	LUAD	HM_w	341	217	302	860	86
KDM4D	LUAD	HM_e	270	323	260	853	87
SMARCD2	LUAD	Helicases	254	357	240	851	88
TRIM24	LUAD	HA_r	246	339	264	849	89
BRPF3	LUAD	HA_r	185	308	352	845	90
PRMT5	LUAD	HM_w	151	348	345	844	91
TCEA1	LUAD	Others	82	366	394	842	92
HDAC6	LUAD	HA_e	274	306	261	841	93
SFMBT2	LUAD	Others	407	225	208	840	94
KAT6A	LUAD	HA_w	51	407	381	839	95
HCFC1	LUAD	Others	403	388	42	833	96

ASXL2	LUAD	Others	368	185	279	832	97
ATAD2B	LUAD	HA_r	285	184	363	832	98
BAZ2B	LUAD	HA_r	405	154	273	832	99
HR	LUAD	HM_e	345	396	91	832	100
ING3	LUAD	HM_r	170	332	327	829	101
MLLT6	LUAD	HM_w	217	319	283	819	102
KIAA2026	LUAD	Others	395	377	42	814	103
GLYR1	LUAD	HM_r	231	204	378	813	104
CLOCK	LUAD	HA_w	282	296	232	810	105
PRDM7	LUAD	HM_w	328	353	129	810	106
BRWD3	LUAD	HA_r	419	140	247	806	107
RPA3	LUAD	Others	27	393	386	806	108
ARID2	LUAD	ChRC	417	69	319	805	109
TDRD6	LUAD	Others	370	329	106	805	110
PPARGC1A	LUAD	Others	377	216	210	803	111
PRDM2	LUAD	HM_w	376	69	358	803	112
SIRT7	LUAD	HA_e	144	376	282	802	113
DNMT3B	LUAD	DM_w	312	178	309	799	114
INO80	LUAD	Helicases	271	331	196	798	115
MSL3	LUAD	HA_w	340	242	213	795	116
RNF17	LUAD	Others	400	315	80	795	117
HAT1	LUAD	HA_w	275	203	315	793	118
RAI1	LUAD	Others	357	286	150	793	119
CBX8	LUAD	ChRC	127	379	286	792	120
H3F3A	LUAD	Others	63	401	328	792	121
RAG2	LUAD	HM_r	327	287	178	792	122
DPF2	LUAD	Others	311	139	340	790	123
MBD5	LUAD	DM_r	342	243	203	788	124
ARID4A	LUAD	ChRC	320	299	166	785	125
ATM	LUAD	Others	423	69	292	784	126
POLR2B	LUAD	Others	208	230	346	784	127
KDM4A	LUAD	HM_e	221	201	359	781	128
BAP1	LUAD	Others	242	141	396	779	129
FBXO17	LUAD	Others	69	360	349	778	130
CREBBP	LUAD	HA_w	390	69	316	775	131

KDM4C	LUAD	HM_e	343	389	42	774	132
ATAT1	LUAD	Others	75	342	356	773	133
CXXC1	LUAD	Others	179	325	262	766	134
CHD5	LUAD	Helicases	410	273	81	764	135
SCML4	LUAD	Others	373	258	128	759	136
RING1	LUAD	Others	94	260	404	758	137
TAF1L	LUAD	HA_r	424	255	78	757	138
TAF3	LUAD	HA_r	393	69	295	757	139
CBX1	LUAD	HM_r	73	297	383	753	140
PHF12	LUAD	Others	103	263	387	753	141
BRD8	LUAD	HA_r	365	69	318	752	142
NSD1	LUAD	HM_w	339	371	42	752	143
SMARCD1	LUAD	Helicases	293	160	296	749	144
SMARCE1	LUAD	Helicases	143	214	390	747	145
SMYD5	LUAD	HM_w	252	145	350	747	146
ZCWPW1	LUAD	HM_r	137	375	233	745	147
IDH1	LUAD	DM_e	225	219	291	735	148
IWS1	LUAD	Others	224	134	376	734	149
PRMT6	LUAD	HM_w	204	288	241	733	150
RPS6KA5	LUAD	Others	257	227	249	733	151
BRD1	LUAD	HA_r	352	337	42	731	152
HIRA	LUAD	Others	346	341	42	729	153
SMARCA4	LUAD	Helicases	406	281	42	729	154
DPF1	LUAD	ChRC	235	372	120	727	155
MSH6	LUAD	HM_r	215	167	343	725	156
PRDM1	LUAD	HM_w	358	229	137	724	157
HDAC7	LUAD	HA_e	229	248	244	721	158
SMYD2	LUAD	HM_w	84	398	239	721	159
FBXL19	LUAD	Others	123	293	303	719	160
TET3	LUAD	DM_e	287	143	288	718	161
KMT2C	LUAD	HM_w	41	363	313	717	162
MTA1	LUAD	ChRC	267	69	380	716	163
KMT2E	LUAD	HM_w	39	350	326	715	164
SMARCD3	LUAD	Helicases	195	352	168	715	165
CBX5	LUAD	HM_r	129	254	331	714	166

HDGFL1	LUAD	Others	305	292	117	714	167
ATRX	LUAD	Helicases	422	142	142	706	168
SMYD4	LUAD	HM_w	142	280	281	703	169
KAT7	LUAD	HA_w	49	304	344	697	170
SCMH1	LUAD	Others	92	284	321	697	171
MBTD1	LUAD	Others	108	320	268	696	172
SETD3	LUAD	HM_w	256	69	371	696	173
HIST1H1C	LUAD	Others	226	247	222	695	174
PRDM15	LUAD	HM_w	330	165	200	695	175
ERCC5	LUAD	Others	381	269	42	692	176
PADI2	LUAD	Others	338	239	113	690	177
ELP3	LUAD	HA_w	125	397	165	687	178
PADI6	LUAD	Others	300	236	146	682	179
NCOR2	LUAD	Others	401	69	211	681	180
KDM2B	LUAD	HM_e	379	169	130	678	181
SHPRH	LUAD	Others	412	224	42	678	182
UBE2A	LUAD	Others	139	278	255	672	183
SUV39H1	LUAD	HM_w	83	311	275	669	184
HDAC5	LUAD	HA_e	174	249	245	668	185
TP53BP1	LUAD	Others	286	340	42	668	186
GTF2F1	LUAD	Others	176	221	270	667	187
KAT8	LUAD	HA_w	48	268	351	667	188
NAP1L2	LUAD	Others	301	116	250	667	189
HIST1H3B	LUAD	Others	304	246	116	666	190
HIST1H1B	LUAD	Others	273	291	101	665	191
SP100	LUAD	HA_r	324	124	217	665	192
TCF19	LUAD	Others	81	310	274	665	193
PADI3	LUAD	Others	337	238	88	663	194
TDG	LUAD	ChRC	192	144	325	661	195
CHAF1A	LUAD	ChRC	237	208	215	660	196
TRIM28	LUAD	HA_r	141	158	355	654	197
HDAC2	LUAD	HA_e	306	220	125	651	198
NCOR1	LUAD	ChRC	402	69	180	651	199
L3MBTL1	LUAD	HM_r	38	303	307	648	200
PHF1	LUAD	HM_r	210	265	173	648	201

DNMT1	LUAD	DM_w	313	180	148	641	202
ING1	LUAD	HM_r	171	305	163	639	203
SETDB2	LUAD	HM_w	295	257	87	639	204
PHF13	LUAD	Others	102	234	297	633	205
CHD3	LUAD	Helicases	316	274	42	632	206
SETD6	LUAD	HM_w	147	226	257	630	207
UBR7	LUAD	Others	138	156	336	630	208
PHF10	LUAD	Others	34	317	277	628	209
BRD7	LUAD	HA_r	130	309	188	627	210
TRIM33	LUAD	HA_r	140	328	156	624	211
ZMYND11	LUAD	HA_r	244	69	311	624	212
EPC1	LUAD	Others	309	270	42	621	213
DOT1L	LUAD	HM_w	349	176	95	620	214
PHF3	LUAD	Others	331	69	219	619	215
SUV39H2	LUAD	HM_w	249	69	301	619	216
MTF2	LUAD	HM_r	214	69	333	616	217
PADI4	LUAD	Others	336	237	42	615	218
PSIP1	LUAD	HM_r	203	369	42	614	219
AIRE	LUAD	HM_r	322	186	105	613	220
SCML2	LUAD	HM_r	296	69	248	613	221
CHD2	LUAD	Helicases	317	253	42	612	222
SUZ12	LUAD	ChRC	21	213	377	611	223
CECR2	LUAD	HA_r	351	69	187	607	224
MPHOSPH8	LUAD	HM_r	216	349	42	607	225
SP140	LUAD	HA_r	292	122	192	606	226
L3MBTL3	LUAD	Others	220	266	114	600	227
AURKB	LUAD	Others	134	276	189	599	228
GATAD2A	LUAD	HM_r	307	250	42	599	229
DMAP1	LUAD	Others	71	295	231	597	230
GADD45A	LUAD	Others	120	206	271	597	231
JMJD1C	LUAD	HM_e	380	69	147	596	232
SATB1	LUAD	Others	326	162	108	596	233
SMARCB1	LUAD	Helicases	86	190	320	596	234
ASXL3	LUAD	Others	426	69	99	594	235
JMJD8	LUAD	HM_e	53	202	339	594	236

PADI1	LUAD	Others	264	240	89	593	237
AFF1	LUAD	Others	323	69	198	590	238
CSTL1	LUAD	Others	180	307	103	590	239
KANSL1	LUAD	HA_w	52	170	367	589	240
SETD2	LUAD	HM_w	421	126	42	589	241
SIRT5	LUAD	HA_e	24	223	342	589	242
TET1	LUAD	DM_e	398	69	122	589	243
BRDT	LUAD	HA_r	364	69	154	587	244
TDRD1	LUAD	Others	290	69	228	587	245
MTA2	LUAD	ChRC	164	130	290	584	246
HDAC4	LUAD	HA_e	389	69	124	582	247
RBBP4	LUAD	ChRC	96	163	322	581	248
KAT2A	LUAD	HA_w	115	151	314	580	249
PRMT8	LUAD	HM_w	375	69	135	579	250
HDAC10	LUAD	HA_e	61	334	182	577	251
CHD1	LUAD	Helicases	181	181	214	576	252
SIRT2	LUAD	HA_e	89	358	127	574	253
CBX6	LUAD	HM_r	128	182	263	573	254
USP51	LUAD	Others	369	69	134	572	255
UBE2I	LUAD	Others	16	188	365	569	256
HDAC11	LUAD	HA_e	230	137	197	564	257
FKBP5	LUAD	Others	121	324	118	563	258
PHRF1	LUAD	Others	259	262	42	563	259
PHF21B	LUAD	HM_r	298	148	112	558	260
SIRT1	LUAD	HA_e	90	192	276	558	261
PRDM4	LUAD	HM_w	156	69	332	557	262
DPF3	LUAD	HA_r	281	69	206	556	263
TDRD7	LUAD	Others	248	212	96	556	264
PRDM5	LUAD	HM_w	297	114	144	555	265
PCGF1	LUAD	Others	106	149	298	553	266
PHF23	LUAD	HM_r	209	232	111	552	267
AFF4	LUAD	Others	354	155	42	551	268
TAF1	LUAD	HA_r	291	69	191	551	269
EZH1	LUAD	HM_w	233	174	141	548	270
NAP1L1	LUAD	Others	266	69	212	547	271

BAZ1B	LUAD	HA_r	74	69	403	546	272
DNMT3L	LUAD	DM_w	178	177	186	541	273
SP110	LUAD	HA_r	251	123	167	541	274
KDM3A	LUAD	HM_e	113	117	308	538	275
MBD2	LUAD	DM_r	166	330	42	538	276
PRMT1	LUAD	HM_w	153	127	258	538	277
PHF21A	LUAD	HM_r	262	233	42	537	278
MORF4L1	LUAD	HM_r	165	150	221	536	279
KDM6A	LUAD	HM_e	269	69	195	533	280
PHIP	LUAD	HA_r	260	231	42	533	281
ACTL6B	LUAD	ChRC	76	374	82	532	282
PRKAA2	LUAD	Others	29	261	242	532	283
EPC2	LUAD	Others	124	222	185	531	284
HIF1AN	LUAD	Others	227	69	235	531	285
ARID1A	LUAD	ChRC	418	69	42	529	286
HNF1A	LUAD	ChRC	58	172	299	529	287
GTF3C4	LUAD	HA_w	276	69	183	528	288
RPH3A	LUAD	Others	374	69	85	528	289
HELLS	LUAD	Helicases	228	135	164	527	290
PWWP2B	LUAD	Others	98	215	209	522	291
SMARCC1	LUAD	Helicases	255	110	157	522	292
IDH2	LUAD	DM_e	172	218	131	521	293
KDM1A	LUAD	HM_e	168	69	284	521	294
SP140L	LUAD	HA_r	193	121	207	521	295
CHAF1B	LUAD	ChRC	126	69	323	518	296
ING2	LUAD	HM_r	57	346	115	518	297
SIN3B	LUAD	ChRC	198	125	193	516	298
MEN1	LUAD	ChRC	107	69	338	514	299
PRDM8	LUAD	HM_w	206	128	179	513	300
SIRT3	LUAD	HA_e	88	256	169	513	301
RBBP7	LUAD	ChRC	149	69	293	511	302
TCF20	LUAD	Others	399	69	42	510	303
EP400	LUAD	HA_w	396	69	42	507	304
ORC1	LUAD	Others	36	241	230	507	305
PRDM10	LUAD	HM_w	388	69	42	499	306

RNF20	LUAD	Others	387	69	42	498	307
GTF2H1	LUAD	Others	175	69	253	497	308
CBX7	LUAD	HM_r	183	209	104	496	309
KDM8	LUAD	HM_e	44	199	252	495	310
CHD4	LUAD	Helicases	382	69	42	493	311
TDRD12	LUAD	Others	20	392	79	491	312
FBXW9	LUAD	Others	232	152	102	486	313
KMT2B	LUAD	HM_w	42	400	42	484	314
SIN3A	LUAD	ChRC	294	147	42	483	315
CARM1	LUAD	HM_w	283	153	42	478	316
SMNDC1	LUAD	Others	85	159	234	478	317
KDM6B	LUAD	HM_e	112	267	98	477	318
TET2	LUAD	DM_e	247	108	121	476	319
CDYL2	LUAD	HM_r	182	69	224	475	320
HDAC1	LUAD	HA_e	62	173	237	472	321
NAP1L3	LUAD	Others	265	69	138	472	322
BMI1	LUAD	ChRC	133	183	155	471	323
KDM5C	LUAD	HM_e	360	69	42	471	324
FXR2	LUAD	Others	177	251	42	470	325
PRDM11	LUAD	HM_w	258	69	136	463	326
UBE2B	LUAD	Others	18	157	287	462	327
EHMT1	LUAD	HM_w	348	69	42	459	328
FBXO44	LUAD	Others	68	207	184	459	329
KMT2D	LUAD	HM_w	40	168	251	459	330
ING4	LUAD	HM_r	118	69	269	456	331
KDM3B	LUAD	HM_e	344	69	42	455	332
DPY30	LUAD	Others	70	138	246	454	333
KDM4E	LUAD	HM_e	46	322	84	452	334
EP300	LUAD	HA_w	234	175	42	451	335
KAT2B	LUAD	HA_w	223	133	94	450	336
L3MBTL4	LUAD	Others	219	69	162	450	337
SMARCA5	LUAD	Helicases	197	146	107	450	338
RTF1	LUAD	Others	93	314	42	449	339
MBD3	LUAD	DM_r	110	198	140	448	340
PHC1	LUAD	ChRC	158	69	220	447	341

PRMT3	LUAD	HM_w	205	69	172	446	342
PHF6	LUAD	HM_r	100	302	42	444	343
PRDM13	LUAD	HM_w	99	194	151	444	344
TDRD9	LUAD	Others	288	69	86	443	345
UHRF2	LUAD	DM_r	14	385	42	441	346
PHF8	LUAD	Others	261	69	110	440	347
SMYD1	LUAD	HM_w	253	109	77	439	348
PRMT7	LUAD	HM_w	150	69	218	437	349
BRWD1	LUAD	HA_r	184	210	42	436	350
SETD5	LUAD	HM_w	325	69	42	436	351
PYGO1	LUAD	HM_r	97	193	143	433	352
AICDA	LUAD	DM_e	135	69	227	431	353
HDAC8	LUAD	HA_e	59	136	236	431	354
PCMT1	LUAD	Others	35	235	161	431	355
KAT5	LUAD	HA_w	114	132	181	427	356
CTCF	LUAD	Others	315	69	42	426	357
SFMBT1	LUAD	HM_r	145	111	170	426	358
YY1	LUAD	ChRC	77	69	280	426	359
JADE3	LUAD	Others	54	69	300	423	360
PRMT2	LUAD	HM_w	152	228	42	422	361
PHC2	LUAD	ChRC	104	166	145	415	362
MARCH5	LUAD	Others	37	131	243	411	363
PBRM1	LUAD	HA_r	299	69	42	410	364
PHF7	LUAD	Others	157	129	123	409	365
FKBP1A	LUAD	Others	67	69	272	408	366
BRD4	LUAD	HA_r	241	119	42	402	367
MTA3	LUAD	ChRC	163	197	42	402	368
PCGF6	LUAD	Others	159	69	174	402	369
MUM1	LUAD	Others	162	196	42	400	370
SSRP1	LUAD	Others	22	69	306	397	371
ING5	LUAD	HM_r	117	69	204	390	372
SETD4	LUAD	HM_w	148	69	171	388	373
RNF217	LUAD	Others	28	259	92	379	374
SIRT6	LUAD	HA_e	23	191	158	372	375
PRDM12	LUAD	HM_w	207	69	93	369	376

KDM7A	LUAD	HM_e	45	69	254	368	377
PHF19	LUAD	HM_r	101	69	194	364	378
SETD7	LUAD	HM_w	91	113	160	364	379
GADD45B	LUAD	Others	66	205	90	361	380
GTF2B	LUAD	Others	65	69	223	357	381
BRPF1	LUAD	HA_r	240	69	42	351	382
TDRD3	LUAD	HM_r	191	69	83	343	383
JADE2	LUAD	Others	55	69	216	340	384
PHF11	LUAD	Others	33	264	42	339	385
INTS12	LUAD	Others	116	69	153	338	386
HSPBAP1	LUAD	Others	119	171	42	332	387
JADE1	LUAD	Others	56	69	199	324	388
WDR5	LUAD	ChRC	78	69	176	323	389
MBD4	LUAD	DM_r	109	69	139	317	390
PCGF5	LUAD	Others	105	115	97	317	391
SIRT4	LUAD	HA_e	87	69	159	315	392
H2AFZ	LUAD	Others	64	118	132	314	393
UBE2E1	LUAD	Others	17	107	190	314	394
FKBP2	LUAD	Others	122	69	119	310	395
TRIM66	LUAD	HA_r	19	189	100	308	396
KDM5D	LUAD	HM_e	190	69	42	301	397
POLE3	LUAD	ChRC	31	69	201	301	398
UTY	LUAD	HM_e	189	69	42	300	399
ASH2L	LUAD	HM_w	187	69	42	298	400
KAT6B	LUAD	HA_w	50	69	175	294	401
KDM4B	LUAD	HM_e	47	200	42	289	402
SETMAR	LUAD	HM_w	25	112	149	286	403
PRKCD	LUAD	Others	154	69	42	265	404
ZCWPW2	LUAD	HM_r	11	120	133	264	405
PHF5A	LUAD	Others	32	69	152	253	406
UHRF1	LUAD	DM_r	15	187	42	244	407
BRD3	LUAD	HA_r	131	69	42	242	408
PRDM6	LUAD	HM_w	30	164	42	236	409
SETD1B	LUAD	HM_w	26	161	42	229	410
L3MBTL2	LUAD	Others	111	69	42	222	411

USP22	LUAD	Others	79	69	42	190	412
HDAC3	LUAD	HA_e	60	69	42	171	413
WDR82	LUAD	Others	12	106	42	160	414
KMT2A	LUAD	HM_w	43	69	42	154	415
USP27X	LUAD	Others	13	69	42	124	416
ATR	LUSC	Others	395	422	425	1242	1
ATAD2	LUSC	HA_r	396	402	415	1213	2
PHC3	LUSC	ChRC	365	424	424	1213	3
KDM5A	LUSC	HM_e	392	403	416	1211	4
HLTF	LUSC	Others	355	423	423	1201	5
ASXL1	LUSC	Others	408	396	384	1188	6
PHF20L1	LUSC	HM_r	364	405	417	1186	7
ASH1L	LUSC	HM_w	384	387	397	1168	8
PHF3	LUSC	Others	379	385	382	1146	9
ACTL6A	LUSC	ChRC	287	426	426	1139	10
TDRD5	LUSC	Others	418	373	343	1134	11
ASH2L	LUSC	HM_w	286	419	420	1125	12
HIRA	LUSC	Others	307	400	400	1107	13
SETDB1	LUSC	HM_w	295	401	410	1106	14
ARID4B	LUSC	ChRC	377	334	389	1100	15
POLR2B	LUSC	Others	323	374	403	1100	16
CHD1L	LUSC	Helicases	283	408	406	1097	17
BPTF	LUSC	HA_r	414	371	308	1093	18
BRD9	LUSC	HA_r	243	421	419	1083	19
MSH6	LUSC	HM_r	302	369	407	1078	20
KDM6A	LUSC	HM_e	351	394	330	1075	21
CHD6	LUSC	Helicases	405	332	331	1068	22
DIDO1	LUSC	Others	422	271	367	1060	23
ARID2	LUSC	ChRC	409	343	302	1054	24
MLLT10	LUSC	HM_w	380	324	350	1054	25
BAZ1B	LUSC	HA_r	375	300	375	1050	26
CHD4	LUSC	Helicases	357	383	301	1041	27
BRD4	LUSC	HA_r	337	342	361	1040	28
SIRT2	LUSC	HA_e	218	415	405	1038	29
FMR1	LUSC	Others	332	331	374	1037	30

CHD7	LUSC	Helicases	426	366	244	1036	31
ATF7IP	LUSC	Others	407	357	267	1031	32
STK31	LUSC	Others	398	306	325	1029	33
PYGO2	LUSC	HM_r	222	376	413	1011	34
ATRX	LUSC	Helicases	406	287	315	1008	35
NCOA1	LUSC	HA_w	389	226	391	1006	36
MBD4	LUSC	DM_r	175	412	418	1005	37
AEBP2	LUSC	HM_w	208	384	411	1003	38
PHF20	LUSC	HM_r	263	380	356	999	39
HDAC9	LUSC	HA_e	416	330	248	994	40
TAF1L	LUSC	HA_r	425	397	172	994	41
LBR	LUSC	Others	271	328	387	986	42
PRDM9	LUSC	HM_w	421	420	142	983	43
KDM2A	LUSC	HM_e	273	339	366	978	44
UBR7	LUSC	Others	339	317	321	977	45
TAF1	LUSC	HA_r	411	318	247	976	46
NCOA3	LUSC	HA_w	268	311	393	972	47
CLOCK	LUSC	HA_w	282	404	285	971	48
SRCAP	LUSC	Others	412	241	316	969	49
HDGF	LUSC	Others	183	382	402	967	50
GATAD2B	LUSC	HM_r	188	389	386	963	51
BOP 1	LUSC	Others	135	409	412	956	52
TDRKH	LUSC	Others	142	399	408	949	53
PARP1	LUSC	Others	325	338	281	944	54
SMARCA2	LUSC	Helicases	316	391	237	944	55
L3MBTL4	LUSC	Others	303	329	310	942	56
TET3	LUSC	DM_e	315	302	324	941	57
DNMT3A	LUSC	DM_w	393	204	341	938	58
RSF1	LUSC	ChRC	297	292	347	936	59
PAF1	LUSC	Others	103	414	414	931	60
FBXO17	LUSC	Others	128	416	381	925	61
MECOM	LUSC	Others	402	425	95	922	62
MTA1	LUSC	ChRC	173	364	377	914	63
BAZ2B	LUSC	HA_r	417	286	208	911	64
PARP2	LUSC	Others	169	361	370	900	65

RBBP5	LUSC	ChRC	154	337	409	900	66
SMYD2	LUSC	HM_w	216	289	394	899	67
CHRA1	LUSC	ChRC	69	406	422	897	68
ASXL3	LUSC	Others	424	367	105	896	69
SFMBT2	LUSC	Others	413	308	174	895	70
ATAD2B	LUSC	HA_r	285	239	369	893	71
RPS6KA5	LUSC	Others	257	336	293	886	72
SMARCA4	LUSC	Helicases	361	320	203	884	73
EP300	LUSC	HA_w	382	201	299	882	74
CBX4	LUSC	HM_r	201	350	327	878	75
TDRD6	LUSC	Others	385	303	190	878	76
SETD1A	LUSC	HM_w	387	217	269	873	77
TCF20	LUSC	Others	341	183	349	873	78
KDM3A	LUSC	HM_e	305	267	296	868	79
PRKAA1	LUSC	Others	29	418	421	868	80
KAT6A	LUSC	HA_w	53	413	401	867	81
FBXW9	LUSC	Others	279	299	284	862	82
HAT1	LUSC	HA_w	185	326	351	862	83
JMJD1C	LUSC	HM_e	369	297	196	862	84
GATAD2A	LUSC	HM_r	189	284	388	861	85
RNF40	LUSC	Others	258	245	358	861	86
KDM4D	LUSC	HM_e	353	266	241	860	87
NAP1L2	LUSC	Others	326	322	212	860	88
KDM5B	LUSC	HM_e	352	312	195	859	89
MECP2	LUSC	DM_r	174	365	319	858	90
AKAP1	LUSC	Others	207	301	342	850	91
JMJD6	LUSC	HM_e	111	362	373	846	92
MSL3	LUSC	HA_w	269	346	230	845	93
PRDM11	LUSC	HM_w	262	249	329	840	94
EED	LUSC	ChRC	196	269	371	836	95
PHC1	LUSC	ChRC	100	377	359	836	96
SMARCB1	LUSC	Helicases	85	354	395	834	97
CBX2	LUSC	ChRC	202	351	279	832	98
DPF1	LUSC	ChRC	197	417	217	831	99
FKBP1A	LUSC	Others	67	363	399	829	100

INO80	LUSC	Helicases	331	162	336	829	101
SIRT7	LUSC	HA_e	151	344	334	829	102
CARM1	LUSC	HM_w	133	327	368	828	103
CECR2	LUSC	HA_r	394	69	364	827	104
DPF2	LUSC	Others	280	236	306	822	105
SMYD3	LUSC	HM_w	215	368	236	819	106
CBX8	LUSC	ChRC	200	349	266	815	107
ARID1A	LUSC	ChRC	415	210	188	813	108
ASXL2	LUSC	Others	312	208	292	812	109
H3F3A	LUSC	Others	122	348	340	810	110
ARID1B	LUSC	ChRC	397	209	201	807	111
DNMT3B	LUSC	DM_w	310	386	111	807	112
SMYD5	LUSC	HM_w	81	319	404	804	113
HCFC1	LUSC	Others	121	370	312	803	114
ELP4	LUSC	HA_w	193	255	354	802	115
TCEA1	LUSC	Others	80	360	362	802	116
DNMT1	LUSC	DM_w	281	270	243	794	117
HR	LUSC	HM_e	274	398	120	792	118
CBX3	LUSC	HM_r	72	333	383	788	119
KDM4B	LUSC	HM_e	328	228	232	788	120
ZGPAT	LUSC	Others	210	258	320	788	121
BAZ1A	LUSC	HA_r	404	69	314	787	122
TP53BP1	LUSC	Others	314	213	259	786	123
BRD1	LUSC	HA_r	338	69	378	785	124
GTF3C4	LUSC	HA_w	236	233	313	782	125
RAG2	LUSC	HM_r	259	246	276	781	126
CHD8	LUSC	Helicases	372	69	326	767	127
KAT5	LUSC	HA_w	179	230	357	766	128
SIN3A	LUSC	ChRC	294	153	317	764	129
YY1	LUSC	ChRC	11	353	398	762	130
TRIM28	LUSC	HA_r	78	359	323	760	131
KDM5C	LUSC	HM_e	327	69	363	759	132
L3MBTL2	LUSC	Others	176	193	390	759	133
ZMYND8	LUSC	HA_r	248	288	220	756	134
SMARCC2	LUSC	Helicases	342	152	260	754	135

ING3	LUSC	HM_r	232	298	223	753	136
RNF2	LUSC	ChRC	28	345	379	752	137
CREBBP	LUSC	HA_w	423	285	42	750	138
PRMT7	LUSC	HM_w	299	189	261	749	139
SMARCD2	LUSC	Helicases	20	335	392	747	140
ZCWPW1	LUSC	HM_r	138	388	221	747	141
IWS1	LUSC	Others	180	177	385	742	142
CHD2	LUSC	Helicases	358	341	42	741	143
UBE2A	LUSC	Others	141	275	322	738	144
CBX6	LUSC	HM_r	132	273	332	737	145
NSD1	LUSC	HM_w	399	295	42	736	146
PHF14	LUSC	Others	227	279	229	735	147
KDM2B	LUSC	HM_e	330	161	242	733	148
CHAF1B	LUSC	ChRC	242	272	218	732	149
DMAP1	LUSC	Others	198	256	278	732	150
PRMT8	LUSC	HM_w	224	392	114	730	151
KDM1B	LUSC	HM_e	177	347	205	729	152
PRKAA2	LUSC	Others	300	154	272	726	153
GTF2H1	LUSC	Others	186	234	305	725	154
BRWD3	LUSC	HA_r	420	69	233	722	155
PYGO1	LUSC	HM_r	260	172	289	721	156
KMT2E	LUSC	HM_w	42	381	295	718	157
SMARCE1	LUSC	Helicases	82	307	328	717	158
MEN1	LUSC	ChRC	231	143	339	713	159
CSTL1	LUSC	Others	199	315	198	712	160
PRDM10	LUSC	HM_w	348	321	42	711	161
ING1	LUSC	HM_r	114	313	283	710	162
KDM4A	LUSC	HM_e	272	253	185	710	163
SND1	LUSC	HM_r	293	69	346	708	164
NCOR1	LUSC	ChRC	401	264	42	707	165
TAF3	LUSC	HA_r	360	305	42	707	166
ACTL6B	LUSC	ChRC	247	390	68	705	167
SUPT16H	LUSC	Others	291	69	344	704	168
TRIM24	LUSC	HA_r	289	276	139	704	169
AICDA	LUSC	DM_e	246	379	67	692	170

ARID4A	LUSC	ChRC	378	69	245	692	171
PCGF1	LUSC	Others	36	280	376	692	172
PHF21A	LUSC	HM_r	165	262	263	690	173
BRWD1	LUSC	HA_r	373	274	42	689	174
SETD4	LUSC	HM_w	220	259	210	689	175
PPARGC1A	LUSC	Others	322	250	116	688	176
SUZ12	LUSC	ChRC	253	69	365	687	177
HSPBAP1	LUSC	Others	233	411	42	686	178
KANSL1	LUSC	HA_w	54	296	335	685	179
TDRD10	LUSC	Others	143	375	166	684	180
IDH1	LUSC	DM_e	182	197	304	683	181
BRDT	LUSC	HA_r	336	167	179	682	182
PHIP	LUSC	HA_r	388	251	42	681	183
HDAC8	LUSC	HA_e	116	314	250	680	184
MPHOSPH8	LUSC	HM_r	230	69	380	679	185
NCOR2	LUSC	Others	400	142	136	678	186
ING2	LUSC	HM_r	113	395	161	669	187
TET1	LUSC	DM_e	410	69	189	668	188
MTA3	LUSC	ChRC	301	323	42	666	189
CXXC1	LUSC	Others	240	69	355	664	190
RNF17	LUSC	Others	344	137	182	663	191
MBTD1	LUSC	Others	107	281	273	661	192
BRPF3	LUSC	HA_r	335	69	256	660	193
ING4	LUSC	HM_r	181	378	101	660	194
PBRM1	LUSC	HA_r	366	252	42	660	195
TDRD9	LUSC	Others	212	372	75	659	196
EZH2	LUSC	HM_w	370	69	216	655	197
FBXL19	LUSC	Others	191	200	264	655	198
SETD3	LUSC	HM_w	256	355	42	653	199
KAT7	LUSC	HA_w	51	229	372	652	200
EHMT2	LUSC	HM_w	195	202	253	650	201
PRDM14	LUSC	HM_w	225	356	69	650	202
TRIM33	LUSC	HA_r	250	358	42	650	203
MBD2	LUSC	DM_r	108	325	214	647	204
PRDM5	LUSC	HM_w	345	174	125	644	205

CTCF	LUSC	Others	241	148	254	643	206
MBD5	LUSC	DM_r	390	69	184	643	207
SIN3B	LUSC	ChRC	219	243	181	643	208
RPA3	LUSC	Others	26	218	396	640	209
PRDM1	LUSC	HM_w	321	191	126	638	210
EPC2	LUSC	Others	192	180	265	637	211
PADI3	LUSC	Others	229	224	183	636	212
SETD2	LUSC	HM_w	296	187	151	634	213
SUV39H2	LUSC	HM_w	144	277	209	630	214
ELP3	LUSC	HA_w	194	393	42	629	215
EZH1	LUSC	HM_w	308	69	252	629	216
PRDM15	LUSC	HM_w	261	278	86	625	217
SSRP1	LUSC	Others	146	133	345	624	218
G2E3	LUSC	Others	278	69	274	621	219
HDAC4	LUSC	HA_e	381	69	171	621	220
PRDM13	LUSC	HM_w	347	69	204	620	221
SCMH1	LUSC	Others	90	260	270	620	222
DPF3	LUSC	HA_r	309	203	107	619	223
PCGF2	LUSC	Others	35	223	360	618	224
CBX1	LUSC	HM_r	73	206	337	616	225
DAXX	LUSC	ChRC	239	69	307	615	226
PHF10	LUSC	Others	266	69	277	612	227
PRMT3	LUSC	HM_w	158	261	193	612	228
BRD7	LUSC	HA_r	204	69	338	611	229
HDAC7	LUSC	HA_e	117	268	224	609	230
RNF217	LUSC	Others	27	310	271	608	231
PRDM2	LUSC	HM_w	363	69	175	607	232
L3MBTL1	LUSC	HM_r	41	282	282	605	233
L3MBTL3	LUSC	Others	391	69	144	604	234
DPY30	LUSC	Others	68	235	300	603	235
SP140	LUSC	HA_r	292	214	94	600	236
TDRD3	LUSC	HM_r	251	304	42	597	237
TDRD1	LUSC	Others	340	150	106	596	238
PRMT6	LUSC	HM_w	156	247	192	595	239
USP51	LUSC	Others	249	69	275	593	240

ERCC5	LUSC	Others	371	179	42	592	241
ATM	LUSC	Others	376	69	146	591	242
RPH3A	LUSC	Others	320	136	133	589	243
IDH2	LUSC	DM_e	60	340	186	586	244
PHRF1	LUSC	Others	324	219	42	585	245
SMARCA1	LUSC	Helicases	362	69	150	581	246
EHMT1	LUSC	HM_w	333	69	178	580	247
MBD1	LUSC	DM_r	270	69	240	579	248
PRMT5	LUSC	HM_w	157	69	352	578	249
SCML2	LUSC	HM_r	318	69	191	578	250
SP100	LUSC	HA_r	214	215	149	578	251
GTF2B	LUSC	Others	187	165	225	577	252
BAP1	LUSC	Others	206	238	129	573	253
TDRD12	LUSC	Others	18	407	147	572	254
BRD3	LUSC	HA_r	134	237	200	571	255
PADI1	LUSC	Others	349	69	153	571	256
DOT1L	LUSC	HM_w	356	69	145	570	257
HIST1H1B	LUSC	Others	235	231	102	568	258
PCGF6	LUSC	Others	168	263	135	566	259
NAP1L3	LUSC	Others	367	69	127	563	260
KAT2B	LUSC	HA_w	306	176	80	562	261
CHD5	LUSC	Helicases	403	69	89	561	262
SMARCC1	LUSC	Helicases	255	216	90	561	263
PHF11	LUSC	Others	167	294	99	560	264
KAT8	LUSC	HA_w	50	195	311	556	265
TDG	LUSC	ChRC	252	69	235	556	266
TDRD7	LUSC	Others	213	182	156	551	267
NAP1L1	LUSC	Others	38	158	353	549	268
PRMT1	LUSC	HM_w	94	190	262	546	269
SETD5	LUSC	HM_w	317	186	42	545	270
CHD1	LUSC	Helicases	334	166	42	542	271
JARID2	LUSC	ChRC	354	69	119	542	272
KAT6B	LUSC	HA_w	52	283	207	542	273
ATAT1	LUSC	Others	75	207	257	539	274
FXR2	LUSC	Others	237	178	123	538	275

SMARCD1	LUSC	Helicases	84	151	303	538	276
AFF4	LUSC	Others	313	181	42	536	277
PHC2	LUSC	ChRC	228	155	152	535	278
SATB1	LUSC	Others	319	135	79	533	279
ZMYND11	LUSC	HA_r	137	352	42	531	280
EP400	LUSC	HA_w	419	69	42	530	281
PRDM16	LUSC	HM_w	346	69	115	530	282
HNF1A	LUSC	ChRC	275	144	110	529	283
SP140L	LUSC	HA_r	147	242	140	529	284
PHF2	LUSC	Others	264	69	194	527	285
BRD2	LUSC	HA_r	205	69	249	523	286
SCML4	LUSC	Others	221	188	113	522	287
PAXIP1	LUSC	Others	102	69	348	519	288
CDYL2	LUSC	HM_r	284	69	165	518	289
GLYR1	LUSC	HM_r	277	199	42	518	290
CHD3	LUSC	Helicases	311	69	137	517	291
PHF8	LUSC	Others	226	69	222	517	292
RING1	LUSC	Others	153	69	294	516	293
CBX7	LUSC	HM_r	131	257	124	512	294
TCF19	LUSC	Others	79	184	246	509	295
PCMT1	LUSC	Others	34	156	318	508	296
RAI1	LUSC	Others	298	69	141	508	297
HIST1H1C	LUSC	Others	276	69	162	507	298
ING5	LUSC	HM_r	112	196	197	505	299
ZCWPW2	LUSC	HM_r	211	211	83	505	300
PHF19	LUSC	HM_r	265	141	98	504	301
SUV39H1	LUSC	HM_w	145	69	287	501	302
KMT2B	LUSC	HM_w	45	410	42	497	303
SHPRH	LUSC	Others	386	69	42	497	304
MORF4L1	LUSC	HM_r	106	159	231	496	305
CHD9	LUSC	Helicases	383	69	42	494	306
KDM6B	LUSC	HM_e	350	69	74	493	307
PHF5A	LUSC	Others	33	221	238	492	308
PCGF5	LUSC	Others	101	222	167	490	309
HDAC10	LUSC	HA_e	120	69	298	487	310

BRPF1	LUSC	HA_r	374	69	42	485	311
SP110	LUSC	HA_r	148	185	148	481	312
PRKCD	LUSC	Others	160	248	72	480	313
KIAA2026	LUSC	Others	368	69	42	479	314
KAT2A	LUSC	HA_w	110	69	297	476	315
CBX5	LUSC	HM_r	71	205	199	475	316
PHF13	LUSC	Others	166	69	239	474	317
HIST1H3B	LUSC	Others	234	69	169	472	318
AFF1	LUSC	Others	359	69	42	470	319
PADI2	LUSC	Others	171	225	71	467	320
MTA2	LUSC	ChRC	105	69	290	464	321
PRDM4	LUSC	HM_w	97	140	227	464	322
MTF2	LUSC	HM_r	172	69	213	454	323
RNF20	LUSC	Others	343	69	42	454	324
KDM1A	LUSC	HM_e	178	69	206	453	325
HDAC1	LUSC	HA_e	184	146	122	452	326
H2AFZ	LUSC	Others	123	164	163	450	327
RBBP7	LUSC	ChRC	92	69	288	449	328
FBXO44	LUSC	Others	190	69	187	446	329
TET2	LUSC	DM_e	290	69	85	444	330
RBBP4	LUSC	ChRC	93	138	211	442	331
SETMAR	LUSC	HM_w	21	309	112	442	332
USP22	LUSC	Others	139	69	234	442	333
KDM3B	LUSC	HM_e	329	69	42	440	334
BAZ2A	LUSC	HA_r	244	149	42	435	335
SIRT5	LUSC	HA_e	86	69	280	435	336
MLLT6	LUSC	HM_w	39	227	168	434	337
PHF12	LUSC	Others	98	293	42	433	338
GADD45A	LUSC	Others	126	147	154	427	339
PWWP2B	LUSC	Others	223	69	134	426	340
EPC1	LUSC	Others	129	254	42	425	341
HDAC2	LUSC	HA_e	64	69	291	424	342
KDM8	LUSC	HM_e	47	160	215	422	343
UHRF1	LUSC	DM_r	140	240	42	422	344
CDYL	LUSC	HM_r	130	69	219	418	345

SIRT6	LUSC	HA_e	217	69	131	417	346
UBE2I	LUSC	Others	14	69	333	416	347
KDM4C	LUSC	HM_e	304	69	42	415	348
SMNDC1	LUSC	Others	19	170	226	415	349
PHF23	LUSC	HM_r	163	175	73	411	350
KDM4E	LUSC	HM_e	49	265	96	410	351
SFMBT1	LUSC	HM_r	89	244	76	409	352
AIRE	LUSC	HM_r	245	69	93	407	353
KDM7A	LUSC	HM_e	48	69	286	403	354
SMYD1	LUSC	HM_w	254	69	78	401	355
DNMT3L	LUSC	DM_w	238	69	92	399	356
KDM5D	LUSC	HM_e	288	69	42	399	357
PHF6	LUSC	HM_r	162	192	42	396	358
CHAF1A	LUSC	ChRC	70	69	255	394	359
SETDB2	LUSC	HM_w	22	290	81	393	360
SMYD4	LUSC	HM_w	149	69	173	391	361
WDR5	LUSC	ChRC	12	69	309	390	362
BMI1	LUSC	ChRC	136	69	180	385	363
HDAC6	LUSC	HA_e	63	69	251	383	364
JADE3	LUSC	Others	56	69	258	383	365
HELLS	LUSC	Helicases	62	198	121	381	366
PADI4	LUSC	Others	267	69	42	378	367
SIRT4	LUSC	HA_e	87	134	157	378	368
BRD8	LUSC	HA_r	203	69	104	376	369
FKBP2	LUSC	Others	127	69	177	373	370
USP27X	LUSC	Others	13	316	42	371	371
KMT2D	LUSC	HM_w	43	194	128	365	372
SETD6	LUSC	HM_w	24	69	268	361	373
HDAC5	LUSC	HA_e	118	69	170	357	374
SETD7	LUSC	HM_w	23	291	42	356	375
ORC1	LUSC	Others	37	157	160	354	376
SMARCD3	LUSC	Helicases	83	69	202	354	377
PHF21B	LUSC	HM_r	164	69	117	350	378
PRDM7	LUSC	HM_w	96	139	109	344	379
PHF7	LUSC	Others	32	220	91	343	380

TRIM66	LUSC	HA_r	17	169	155	341	381
HIF1AN	LUSC	Others	61	232	42	335	382
WDR82	LUSC	Others	76	212	42	330	383
POLE3	LUSC	ChRC	31	69	228	328	384
PHF1	LUSC	HM_r	99	69	159	327	385
HDAC3	LUSC	HA_e	119	163	42	324	386
PADI6	LUSC	Others	170	69	82	321	387
UTY	LUSC	HM_e	209	69	42	320	388
SIRT1	LUSC	HA_e	88	69	158	315	389
RTF1	LUSC	Others	91	171	42	304	390
PRDM12	LUSC	HM_w	161	69	70	300	391
FKBP5	LUSC	Others	66	69	164	299	392
HDAC11	LUSC	HA_e	65	145	87	297	393
MUM1	LUSC	Others	104	69	118	291	394
KMT2C	LUSC	HM_w	44	69	176	289	395
HDGFL1	LUSC	Others	115	69	103	287	396
GADD45B	LUSC	Others	125	69	88	282	397
MARCH5	LUSC	Others	109	69	100	278	398
AURKB	LUSC	Others	74	69	130	273	399
PRDM8	LUSC	HM_w	95	69	108	272	400
PRMT2	LUSC	HM_w	159	69	42	270	401
UBE2B	LUSC	Others	16	168	84	268	402
PSIP1	LUSC	HM_r	155	69	42	266	403
JADE2	LUSC	Others	57	69	138	264	404
SIRT3	LUSC	HA_e	152	69	42	263	405
SMARCA5	LUSC	Helicases	150	69	42	261	406
MBD3	LUSC	DM_r	40	69	143	252	407
PRDM6	LUSC	HM_w	30	173	42	245	408
UBE2E1	LUSC	Others	15	132	97	244	409
GTF2F1	LUSC	Others	124	69	42	235	410
SETD1B	LUSC	HM_w	25	69	132	226	411
JADE1	LUSC	Others	58	69	77	204	412
UHRF2	LUSC	DM_r	77	69	42	188	413
INTS12	LUSC	Others	59	69	42	170	414
JMJD8	LUSC	HM_e	55	69	42	166	415

KMT2A	LUSC	HM_w	46	69	42	157	416
BAP1	MESO	Others	426	426	426	1278	1
SETD2	MESO	HM_w	425	400	413	1238	2
EP400	MESO	HA_w	423	389	417	1229	3
PBRM1	MESO	HA_r	394	409	424	1227	4
INO80	MESO	Helicases	401	412	405	1218	5
ASH1L	MESO	HM_w	389	395	418	1202	6
SETDB1	MESO	HM_w	411	359	423	1193	7
BRD4	MESO	HA_r	424	394	372	1190	8
KAT8	MESO	HA_w	399	374	391	1164	9
CBX4	MESO	HM_r	382	414	359	1155	10
BRD7	MESO	HA_r	385	336	425	1146	11
ATR	MESO	Others	407	341	395	1143	12
RTF1	MESO	Others	321	407	414	1142	13
FBXW9	MESO	Others	372	403	357	1132	14
CBX1	MESO	HM_r	274	422	399	1095	15
AKAP1	MESO	Others	298	424	361	1083	16
RNF40	MESO	Others	322	362	398	1082	17
DPF1	MESO	ChRC	376	321	384	1081	18
BPTF	MESO	HA_r	284	423	373	1080	19
BRD9	MESO	HA_r	279	406	394	1079	20
CBX8	MESO	ChRC	268	413	393	1074	21
CHD2	MESO	Helicases	418	391	255	1064	22
SMARCA4	MESO	Helicases	317	397	348	1062	23
CTCF	MESO	Others	378	325	358	1061	24
ARID4B	MESO	ChRC	296	344	412	1052	25
DNMT1	MESO	DM_w	252	404	392	1048	26
HDAC1	MESO	HA_e	368	380	290	1038	27
GATAD2B	MESO	HM_r	229	383	416	1028	28
CBX2	MESO	ChRC	273	415	338	1026	29
SIN3B	MESO	ChRC	318	398	308	1024	30
GLYR1	MESO	HM_r	228	382	411	1021	31
CARM1	MESO	HM_w	275	405	339	1019	32
KDM5A	MESO	HM_e	350	303	365	1018	33
KDM4A	MESO	HM_e	398	373	245	1016	34

HDAC3	MESO	HA_e	366	313	332	1011	35
BOP 1	MESO	Others	285	339	386	1010	36
ACTL6A	MESO	ChRC	303	349	343	995	37
KMT2C	MESO	HM_w	414	297	283	994	38
SETD1A	MESO	HM_w	320	360	311	991	39
ARID1A	MESO	ChRC	420	346	223	989	40
KDM4B	MESO	HM_e	397	306	284	987	41
KANSL1	MESO	HA_w	193	410	383	986	42
KAT7	MESO	HA_w	190	421	366	977	43
HCFC1	MESO	Others	222	381	369	972	44
BRPF1	MESO	HA_r	277	334	360	971	45
CHRA1	MESO	ChRC	258	327	385	970	46
KDM5B	MESO	HM_e	185	402	382	969	47
BMI1	MESO	ChRC	286	340	341	967	48
FBXO17	MESO	Others	373	386	206	965	49
CHD5	MESO	Helicases	381	329	254	964	50
KMT2A	MESO	HM_w	422	299	243	964	51
TDRD6	MESO	Others	421	242	301	964	52
CHD1L	MESO	Helicases	261	330	371	962	53
HDGF	MESO	Others	215	378	367	960	54
CREBBP	MESO	HA_w	417	326	214	957	55
BRD8	MESO	HA_r	280	335	340	955	56
PADI6	MESO	Others	395	283	277	955	57
H3F3A	MESO	Others	224	315	410	949	58
GATAD2A	MESO	HM_r	230	384	333	947	59
NSD1	MESO	HM_w	338	289	319	946	60
CHAF1A	MESO	ChRC	264	332	337	933	61
ATAD2	MESO	HA_r	293	342	297	932	62
TRIM28	MESO	HA_r	307	352	264	923	63
CHD7	MESO	Helicases	379	328	215	922	64
MORF4L1	MESO	HM_r	162	371	389	922	65
CDYL	MESO	HM_r	267	393	257	917	66
DAXX	MESO	ChRC	254	323	335	912	67
RBBP5	MESO	ChRC	97	408	407	912	68
IDH2	MESO	DM_e	207	376	328	911	69

KAT6B	MESO	HA_w	356	308	246	910	70
MBTD1	MESO	Others	167	420	321	908	71
MECP2	MESO	DM_r	166	372	364	902	72
HDAC5	MESO	HA_e	365	379	156	900	73
GTF2F1	MESO	Others	370	316	203	889	74
SETD5	MESO	HM_w	319	260	309	888	75
DOT1L	MESO	HM_w	402	322	160	884	76
FBXL19	MESO	Others	239	387	252	878	77
MBD1	MESO	DM_r	172	295	409	876	78
SMARCD2	MESO	Helicases	61	418	397	876	79
SIN3A	MESO	ChRC	74	399	401	874	80
CECR2	MESO	HA_r	265	392	216	873	81
MBD4	MESO	DM_r	169	293	404	866	82
PYGO2	MESO	HM_r	99	364	402	865	83
ARID2	MESO	ChRC	419	396	42	857	84
JMJD8	MESO	HM_e	194	309	354	857	85
DMAP1	MESO	Others	253	390	213	856	86
KAT2A	MESO	HA_w	192	375	286	853	87
CHD1	MESO	Helicases	262	331	256	849	88
BRD1	MESO	HA_r	283	338	219	840	89
KDM2B	MESO	HM_e	355	69	415	839	90
LBR	MESO	Others	346	296	196	838	91
EZH1	MESO	HM_w	240	388	207	835	92
PADI2	MESO	Others	151	286	381	818	93
CDYL2	MESO	HM_r	266	333	217	816	94
MPHOSPH8	MESO	HM_r	344	69	403	816	95
RNF2	MESO	ChRC	94	401	314	809	96
HDAC9	MESO	HA_e	364	69	368	801	97
KDM6A	MESO	HM_e	348	302	150	800	98
PHRF1	MESO	Others	412	69	318	799	99
SRCAP	MESO	Others	50	356	388	794	100
JMJD1C	MESO	HM_e	196	310	287	793	101
PARP1	MESO	Others	148	282	363	793	102
SIRT7	MESO	HA_e	67	419	307	793	103
PHC3	MESO	ChRC	336	69	379	784	104

PHF7	MESO	Others	126	425	233	784	105
DNMT3L	MESO	DM_w	377	69	334	780	106
FKBP5	MESO	Others	235	385	159	779	107
SND1	MESO	HM_r	314	69	396	779	108
SETD1B	MESO	HM_w	393	69	310	772	109
RAI1	MESO	Others	324	262	183	769	110
ASXL2	MESO	Others	294	343	131	768	111
FBXO44	MESO	Others	238	320	205	763	112
HNF1A	MESO	ChRC	361	69	330	760	113
ACTL6B	MESO	ChRC	391	69	299	759	114
HR	MESO	HM_e	360	69	329	758	115
FMR1	MESO	Others	234	319	204	757	116
PAF1	MESO	Others	149	369	238	756	117
ATRX	MESO	Helicases	387	69	296	752	118
ASH2L	MESO	HM_w	295	69	387	751	119
TDRKH	MESO	Others	33	353	362	748	120
MBD3	MESO	DM_r	170	294	281	745	121
ASXL1	MESO	Others	409	69	262	740	122
ATM	MESO	Others	408	69	261	738	123
PRDM8	MESO	HM_w	329	268	140	737	124
EP300	MESO	HA_w	375	69	292	736	125
MLLT6	MESO	HM_w	163	292	280	735	126
EZH2	MESO	HM_w	374	69	291	734	127
MSH6	MESO	HM_r	343	69	320	732	128
BAZ1B	MESO	HA_r	287	69	374	730	129
PHF3	MESO	Others	129	367	234	730	130
PRKAA1	MESO	Others	109	267	352	728	131
JMJD6	MESO	HM_e	195	411	121	727	132
RAG2	MESO	HM_r	325	263	138	726	133
MTA2	MESO	ChRC	160	370	195	725	134
NAP1L1	MESO	Others	156	290	279	725	135
KIAA2026	MESO	Others	180	300	244	724	136
FXR2	MESO	Others	233	69	420	722	137
PADI4	MESO	Others	396	284	42	722	138
SCMH1	MESO	Others	86	361	270	717	139

SMARCC1	MESO	Helicases	64	252	400	716	140
BAZ2A	MESO	HA_r	386	69	260	715	141
BRD3	MESO	HA_r	281	337	97	715	142
SETD6	MESO	HM_w	81	259	375	715	143
PRMT1	MESO	HM_w	328	69	316	713	144
HSPBAP1	MESO	Others	359	311	42	712	145
BRWD3	MESO	HA_r	383	69	259	711	146
GADD45A	MESO	Others	232	318	158	708	147
KDM3A	MESO	HM_e	354	69	285	708	148
GTF2B	MESO	Others	227	69	406	702	149
ARID1B	MESO	ChRC	410	69	222	701	150
AURKB	MESO	Others	289	69	342	700	151
KDM4C	MESO	HM_e	352	305	42	699	152
PHC2	MESO	ChRC	140	368	191	699	153
DNMT3B	MESO	DM_w	415	69	212	696	154
TDRD10	MESO	Others	38	355	303	696	155
PHF1	MESO	HM_r	139	280	276	695	156
AEBP2	MESO	HM_w	302	348	42	692	157
AFF4	MESO	Others	301	347	42	690	158
KDM4D	MESO	HM_e	186	304	200	690	159
MUM1	MESO	Others	157	291	240	688	160
NCOR2	MESO	Others	339	69	278	686	161
EHMT2	MESO	HM_w	246	69	370	685	162
SUV39H2	MESO	HM_w	311	69	305	685	163
ARID4A	MESO	ChRC	297	345	42	684	164
KDM8	MESO	HM_e	181	301	198	680	165
ASXL3	MESO	Others	388	69	221	678	166
PHF2	MESO	Others	335	69	274	678	167
GADD45B	MESO	Others	231	317	127	675	168
JARID2	MESO	ChRC	358	69	248	675	169
PRDM10	MESO	HM_w	121	366	187	674	170
KAT2B	MESO	HA_w	357	69	247	673	171
AICDA	MESO	DM_e	300	69	298	667	172
CHD4	MESO	Helicases	259	69	336	664	173
PCGF2	MESO	Others	145	281	237	663	174

TAF1L	MESO	HA_r	310	246	106	662	175
SMARCE1	MESO	Helicases	59	251	347	657	176
MECOM	MESO	Others	345	69	241	655	177
PHF20L1	MESO	HM_r	333	277	42	652	178
POLR2B	MESO	Others	332	274	42	648	179
KDM1A	MESO	HM_e	189	307	151	647	180
DNMT3A	MESO	DM_w	416	69	161	646	181
KDM2A	MESO	HM_e	187	69	390	646	182
BAZ2B	MESO	HA_r	406	69	167	642	183
BRPF3	MESO	HA_r	276	69	295	640	184
HIF1AN	MESO	Others	213	69	356	638	185
CHD9	MESO	Helicases	404	69	164	637	186
HLTF	MESO	Others	209	69	355	633	187
ORC1	MESO	Others	153	288	192	633	188
HIRA	MESO	Others	212	377	42	631	189
TDG	MESO	ChRC	40	244	346	630	190
TET1	MESO	DM_e	308	241	81	630	191
HDAC10	MESO	HA_e	221	314	93	628	192
NCOR1	MESO	ChRC	413	69	146	628	193
CHAF1B	MESO	ChRC	263	69	294	626	194
CXXC1	MESO	Others	255	324	42	621	195
KAT6A	MESO	HA_w	400	69	152	621	196
PCMT1	MESO	Others	142	69	408	619	197
PHF21B	MESO	HM_r	131	69	419	619	198
PHF5A	MESO	Others	128	69	422	619	199
HDAC6	MESO	HA_e	218	69	331	618	200
KDM5C	MESO	HM_e	349	69	199	617	201
KAT5	MESO	HA_w	191	69	353	613	202
KMT2E	MESO	HM_w	347	69	197	613	203
EED	MESO	ChRC	248	69	293	610	204
UBE2I	MESO	Others	24	239	345	608	205
NAP1L3	MESO	Others	341	69	194	604	206
PHF13	MESO	Others	135	278	190	603	207
NCOA3	MESO	HA_w	340	69	193	602	208
ING3	MESO	HM_r	204	69	327	600	209

CBX5	MESO	HM_r	271	69	258	598	210
ING4	MESO	HM_r	203	69	326	598	211
PRMT7	MESO	HM_w	102	264	232	598	212
SUZ12	MESO	ChRC	46	247	304	597	213
INTS12	MESO	Others	201	69	325	595	214
PAXIP1	MESO	Others	146	69	380	595	215
JADE2	MESO	Others	198	69	324	591	216
HELLS	MESO	Helicases	363	69	155	587	217
PRDM9	MESO	HM_w	110	365	112	587	218
PRDM14	MESO	HM_w	330	69	186	585	219
PPARGC1A	MESO	Others	122	273	188	583	220
ATAD2B	MESO	HA_r	292	69	220	581	221
PADI3	MESO	Others	150	285	145	580	222
TDRD5	MESO	Others	35	243	302	580	223
PYGO1	MESO	HM_r	326	69	184	579	224
HDAC11	MESO	HA_e	220	69	289	578	225
SMYD2	MESO	HM_w	56	249	267	572	226
HDAC8	MESO	HA_e	216	312	42	570	227
KMT2D	MESO	HM_w	178	69	323	570	228
CHD8	MESO	Helicases	405	69	95	569	229
G2E3	MESO	Others	371	69	128	568	230
L3MBTL2	MESO	Others	176	69	322	567	231
ELP4	MESO	HA_w	244	69	253	566	232
UBE2B	MESO	Others	26	240	300	566	233
BRDT	MESO	HA_r	278	69	218	565	234
IDH1	MESO	DM_e	208	69	288	565	235
HDAC2	MESO	HA_e	367	69	126	562	236
PRDM4	MESO	HM_w	114	69	378	561	237
AFF1	MESO	Others	390	69	99	558	238
PADI1	MESO	Others	152	287	117	556	239
PRMT2	MESO	HM_w	106	69	377	552	240
TDRD7	MESO	Others	309	69	173	551	241
PCGF1	MESO	Others	337	69	144	550	242
PRMT3	MESO	HM_w	105	69	376	550	243
SMARCA1	MESO	Helicases	66	254	227	547	244

GTF3C4	MESO	HA_w	226	69	251	546	245
TRIM66	MESO	HA_r	306	69	171	546	246
PRDM1	MESO	HM_w	331	69	143	543	247
HAT1	MESO	HA_w	223	69	250	542	248
KDM4E	MESO	HM_e	351	69	120	540	249
AIRE	MESO	HM_r	299	69	169	537	250
HDAC7	MESO	HA_e	217	69	249	535	251
PWWP2B	MESO	Others	327	69	139	535	252
DPF2	MESO	Others	251	69	211	531	253
TCF20	MESO	Others	41	69	421	531	254
ATAT1	MESO	Others	291	69	168	528	255
DPY30	MESO	Others	249	69	210	528	256
HIST1H1C	MESO	Others	362	69	92	523	257
MBD2	MESO	DM_r	171	69	282	522	258
PRDM7	MESO	HM_w	111	269	141	521	259
EPC2	MESO	Others	242	69	209	520	260
KMT2B	MESO	HM_w	179	298	42	519	261
PHF20	MESO	HM_r	334	69	116	519	262
ERCC5	MESO	Others	241	69	208	518	263
SP100	MESO	HA_r	313	69	135	517	264
SETMAR	MESO	HM_w	78	258	180	516	265
DIDO1	MESO	Others	403	69	42	514	266
POLE3	MESO	ChRC	123	69	317	509	267
PHF10	MESO	Others	138	279	90	507	268
SATB1	MESO	Others	87	69	351	507	269
ZGPAT	MESO	Others	305	69	133	507	270
CBX6	MESO	HM_r	270	69	166	505	271
ZMYND8	MESO	HA_r	304	69	132	505	272
SCML2	MESO	HM_r	85	69	350	504	273
RBBP4	MESO	ChRC	98	363	42	503	274
SMYD4	MESO	HM_w	392	69	42	503	275
PRDM16	MESO	HM_w	116	272	114	502	276
SIRT6	MESO	HA_e	68	255	179	502	277
SETD4	MESO	HM_w	82	69	349	500	278
PRDM2	MESO	HM_w	115	271	113	499	279

H2AFZ	MESO	Others	225	69	202	496	280
BRWD1	MESO	HA_r	384	69	42	495	281
CHD3	MESO	Helicases	260	69	165	494	282
TDRD12	MESO	Others	37	354	103	494	283
CHD6	MESO	Helicases	380	69	42	491	284
ATF7IP	MESO	Others	290	69	130	489	285
CLOCK	MESO	HA_w	257	69	163	489	286
STK31	MESO	Others	312	69	108	489	287
TP53BP1	MESO	Others	30	417	42	489	288
L3MBTL1	MESO	HM_r	177	69	242	488	289
CSTL1	MESO	Others	256	69	162	487	290
PRKAA2	MESO	Others	108	266	111	485	291
PRKCD	MESO	Others	107	265	110	482	292
SMYD3	MESO	HM_w	55	248	178	481	293
GTF2H1	MESO	Others	369	69	42	480	294
RBBP7	MESO	ChRC	96	69	315	480	295
RNF17	MESO	Others	323	69	87	479	296
PHF14	MESO	Others	134	69	275	478	297
RPA3	MESO	Others	91	69	313	473	298
SIRT1	MESO	HA_e	73	358	42	473	299
WDR82	MESO	Others	15	416	42	473	300
SIRT2	MESO	HA_e	72	357	42	471	301
RSF1	MESO	ChRC	88	69	312	469	302
PHF8	MESO	Others	125	69	273	467	303
KDM3B	MESO	HM_e	353	69	42	464	304
NCOA1	MESO	HA_w	154	69	239	462	305
RNF217	MESO	Others	92	261	109	462	306
PRDM13	MESO	HM_w	118	69	272	459	307
KDM1B	MESO	HM_e	188	69	201	458	308
PRDM15	MESO	HM_w	117	69	271	457	309
BAZ1A	MESO	HA_r	288	69	98	455	310
MTA1	MESO	ChRC	342	69	42	453	311
PHC1	MESO	ChRC	141	69	236	446	312
HDAC4	MESO	HA_e	219	69	157	445	313
PHF6	MESO	HM_r	127	276	42	445	314

PHIP	MESO	HA_r	124	275	42	441	315
SMARCC2	MESO	Helicases	63	69	306	438	316
PHF19	MESO	HM_r	133	69	235	437	317
CBX7	MESO	HM_r	269	69	96	434	318
FKBP2	MESO	Others	236	69	129	434	319
HIST1H3B	MESO	Others	210	69	154	433	320
ING2	MESO	HM_r	205	69	153	427	321
SMARCA5	MESO	Helicases	316	69	42	427	322
YY1	MESO	ChRC	14	69	344	427	323
SMARCB1	MESO	Helicases	315	69	42	426	324
PRDM6	MESO	HM_w	112	270	42	424	325
TRIM33	MESO	HA_r	28	351	42	421	326
SFMBT1	MESO	HM_r	77	257	85	419	327
DPF3	MESO	HA_r	250	69	94	413	328
HDGFL1	MESO	Others	214	69	125	408	329
SIRT4	MESO	HA_e	70	69	269	408	330
SIRT5	MESO	HA_e	69	69	268	406	331
HIST1H1B	MESO	Others	211	69	124	404	332
ZMYND11	MESO	HA_r	11	350	42	403	333
SMARCA2	MESO	Helicases	65	253	84	402	334
ING1	MESO	HM_r	206	69	123	398	335
BRD2	MESO	HA_r	282	69	42	393	336
L3MBTL3	MESO	Others	175	69	149	393	337
RNF20	MESO	Others	93	69	231	393	338
SMYD1	MESO	HM_w	57	250	83	390	339
RPH3A	MESO	Others	90	69	230	389	340
JADE3	MESO	Others	197	69	122	388	341
PHF23	MESO	HM_r	130	69	189	388	342
RPS6KA5	MESO	Others	89	69	229	387	343
CBX3	MESO	HM_r	272	69	42	383	344
MSL3	MESO	HA_w	161	69	148	378	345
TDRD1	MESO	Others	39	69	266	374	346
SFMBT2	MESO	Others	76	69	228	373	347
SHPRH	MESO	Others	75	256	42	373	348
NAP1L2	MESO	Others	155	69	147	371	349

KDM7A	MESO	HM_e	182	69	119	370	350
TET3	MESO	DM_e	31	69	265	365	351
L3MBTL4	MESO	Others	174	69	118	361	352
EHMT1	MESO	HM_w	247	69	42	358	353
SMARCD1	MESO	Helicases	62	69	226	357	354
ELP3	MESO	HA_w	245	69	42	356	355
PRMT8	MESO	HM_w	101	69	185	355	356
EPC1	MESO	Others	243	69	42	354	357
SMARCD3	MESO	Helicases	60	69	225	354	358
USP51	MESO	Others	18	69	263	350	359
FKBP1A	MESO	Others	237	69	42	348	360
RING1	MESO	Others	95	69	182	346	361
KDM6B	MESO	HM_e	183	69	91	343	362
SCML4	MESO	Others	84	69	181	334	363
TCEA1	MESO	Others	43	245	42	330	364
PRDM5	MESO	HM_w	113	69	142	324	365
ING5	MESO	HM_r	202	69	42	313	366
IWS1	MESO	Others	200	69	42	311	367
JADE1	MESO	Others	199	69	42	310	368
ZCWPW2	MESO	HM_r	12	69	224	305	369
PRDM12	MESO	HM_w	119	69	115	303	370
UHRF1	MESO	DM_r	22	238	42	302	371
UHRF2	MESO	DM_r	21	237	42	300	372
SP110	MESO	HA_r	53	69	177	299	373
SP140	MESO	HA_r	52	69	176	297	374
USP27X	MESO	Others	19	236	42	297	375
KDM5D	MESO	HM_e	184	69	42	295	376
PHF11	MESO	Others	137	69	89	295	377
SP140L	MESO	HA_r	51	69	175	295	378
SETD7	MESO	HM_w	80	69	137	286	379
MARCH5	MESO	Others	173	69	42	284	380
MBD5	MESO	DM_r	168	69	42	279	381
TDRD3	MESO	HM_r	36	69	174	279	382
PRDM11	MESO	HM_w	120	69	88	277	383
MEN1	MESO	ChRC	165	69	42	276	384

SIRT3	MESO	HA_e	71	69	136	276	385
MLLT10	MESO	HM_w	164	69	42	275	386
MTA3	MESO	ChRC	159	69	42	270	387
TRIM24	MESO	HA_r	29	69	172	270	388
MTF2	MESO	HM_r	158	69	42	269	389
PARP2	MESO	Others	147	69	42	258	390
PCGF5	MESO	Others	144	69	42	255	391
PCGF6	MESO	Others	143	69	42	254	392
ZCWPW1	MESO	HM_r	13	69	170	252	393
SUV39H1	MESO	HM_w	47	69	134	250	394
PHF12	MESO	Others	136	69	42	247	395
PHF21A	MESO	HM_r	132	69	42	243	396
SETDB2	MESO	HM_w	79	69	86	234	397
SUPT16H	MESO	Others	48	69	107	224	398
TAF3	MESO	HA_r	44	69	105	218	399
PRMT5	MESO	HM_w	104	69	42	215	400
TCF19	MESO	Others	42	69	104	215	401
PRMT6	MESO	HM_w	103	69	42	214	402
PSIP1	MESO	HM_r	100	69	42	211	403
SMYD5	MESO	HM_w	54	69	82	205	404
TDRD9	MESO	Others	34	69	102	205	405
TET2	MESO	DM_e	32	69	101	202	406
SETD3	MESO	HM_w	83	69	42	194	407
WDR5	MESO	ChRC	16	69	100	185	408
SMNDC1	MESO	Others	58	69	42	169	409
SSRP1	MESO	Others	49	69	42	160	410
TAF1	MESO	HA_r	45	69	42	156	411
UBE2A	MESO	Others	27	69	42	138	412
UBE2E1	MESO	Others	25	69	42	136	413
UBR7	MESO	Others	23	69	42	134	414
USP22	MESO	Others	20	69	42	131	415
UTY	MESO	HM_e	17	69	42	128	416
DIDO1	OV	Others	418	415	411	1244	1
SMARCA4	OV	Helicases	420	410	413	1243	2
PHF20L1	OV	HM_r	357	426	426	1209	3

ATAD2	OV	HA_r	375	424	404	1203	4
KMT2C	OV	HM_w	426	411	343	1180	5
CHRA1	OV	ChRC	334	423	420	1177	6
SETDB1	OV	HM_w	352	408	414	1174	7
BRD4	OV	HA_r	336	419	417	1172	8
NCOA3	OV	HA_w	406	384	359	1149	9
ASH1L	OV	HM_w	376	380	376	1132	10
ATR	OV	Others	340	406	381	1127	11
CHD4	OV	Helicases	425	383	311	1119	12
ARID4B	OV	ChRC	343	388	377	1108	13
ACTL6A	OV	ChRC	265	420	422	1107	14
ZGPAT	OV	Others	268	418	419	1105	15
JARID2	OV	ChRC	363	386	345	1094	16
CHD7	OV	Helicases	395	374	324	1093	17
SIN3B	OV	ChRC	280	414	397	1091	18
RSF1	OV	ChRC	283	412	394	1089	19
BRD9	OV	HA_r	253	417	395	1065	20
ARID2	OV	ChRC	423	268	369	1060	21
EED	OV	ChRC	331	376	353	1060	22
CHD1L	OV	Helicases	371	375	312	1058	23
PHC1	OV	ChRC	299	373	382	1054	24
HDAC6	OV	HA_e	391	347	308	1046	25
DNMT1	OV	DM_w	332	394	319	1045	26
KAT6A	OV	HA_w	362	320	356	1038	27
MECOM	OV	Others	309	425	304	1038	28
AEBP2	OV	HM_w	263	377	396	1036	29
KDM5B	OV	HM_e	317	323	388	1028	30
PRDM9	OV	HM_w	414	366	248	1028	31
PHC3	OV	ChRC	181	421	424	1026	32
TAF3	OV	HA_r	347	343	335	1025	33
BAZ1B	OV	HA_r	398	251	373	1022	34
EHMT2	OV	HM_w	330	325	365	1020	35
HIST1H1C	OV	Others	390	352	277	1019	36
ATAT1	OV	Others	341	327	346	1014	37
EPC1	OV	Others	393	256	364	1013	38

KDM5A	OV	HM_e	203	398	410	1011	39
HCFC1	OV	Others	367	362	278	1007	40
KAT6B	OV	HA_w	421	294	287	1002	41
ASXL1	OV	Others	259	328	409	996	42
DNMT3B	OV	DM_w	369	306	318	993	43
MBD4	OV	DM_r	312	319	362	993	44
BAZ2B	OV	HA_r	374	295	313	982	45
ING4	OV	HM_r	211	382	389	982	46
SND1	OV	HM_r	278	356	347	981	47
BOP 1	OV	Others	140	422	418	980	48
HIST1H3B	OV	Others	323	357	299	979	49
PHF20	OV	HM_r	296	292	390	978	50
GATAD2A	OV	HM_r	224	370	371	965	51
PAXIP1	OV	Others	184	413	368	965	52
TDRD5	OV	Others	275	331	357	963	53
ATF7IP	OV	Others	258	365	332	955	54
KDM2A	OV	HM_e	389	270	294	953	55
KDM5C	OV	HM_e	416	265	270	951	56
PRMT8	OV	HM_w	384	397	167	948	57
DNMT3A	OV	DM_w	394	192	361	947	58
TDRKH	OV	Others	150	389	407	946	59
KMT2E	OV	HM_w	360	322	261	943	60
INO80	OV	Helicases	364	218	360	942	61
CHD6	OV	Helicases	422	163	354	939	62
CDYL	OV	HM_r	132	387	412	931	63
ZMYND8	OV	HA_r	267	396	268	931	64
RING1	OV	Others	284	297	348	929	65
HLTF	OV	Others	106	416	406	928	66
CARM1	OV	HM_w	137	405	385	927	67
FBXW9	OV	Others	228	390	309	927	68
HAT1	OV	HA_w	326	299	301	926	69
LBR	OV	Others	313	349	252	914	70
RTF1	OV	Others	282	225	402	909	71
PAF1	OV	Others	82	403	421	906	72
ATAD2B	OV	HA_r	342	222	340	904	73

FMR1	OV	Others	328	312	264	904	74
SETD5	OV	HM_w	412	233	256	901	75
KDM1B	OV	HM_e	96	399	405	900	76
ATM	OV	Others	399	296	203	898	77
JMJD1C	OV	HM_e	417	205	276	898	78
PARP1	OV	Others	186	361	349	896	79
DPF1	OV	ChRC	235	393	267	895	80
FBXO17	OV	Others	123	409	363	895	81
CTCF	OV	Others	333	220	338	891	82
GATAD2B	OV	HM_r	119	369	400	888	83
ING3	OV	HM_r	212	335	334	881	84
BRD1	OV	HA_r	139	401	339	879	85
JMJD6	OV	HM_e	321	305	253	879	86
SFMBT2	OV	Others	405	346	126	877	87
FKBP1A	OV	Others	122	353	401	876	88
BRPF3	OV	HA_r	251	318	305	874	89
PHF8	OV	Others	386	278	208	872	90
RBBP4	OV	ChRC	169	348	352	869	91
ASXL3	OV	Others	400	313	153	866	92
AICDA	OV	DM_e	262	372	230	864	93
CBX8	OV	ChRC	246	355	254	855	94
ARID1B	OV	ChRC	344	230	280	854	95
HDAC1	OV	HA_e	221	330	300	851	96
L3MBTL2	OV	Others	387	73	387	847	97
TRIM24	OV	HA_r	149	391	303	843	98
KMT2B	OV	HM_w	415	385	42	842	99
DAXX	OV	ChRC	237	300	302	839	100
EZH2	OV	HM_w	124	404	310	838	101
SCMH1	OV	Others	50	395	393	838	102
PYGO2	OV	HM_r	56	363	415	834	103
PRDM14	OV	HM_w	356	367	101	824	104
DMAP1	OV	Others	129	354	337	820	105
MSH6	OV	HM_r	308	254	258	820	106
BMI1	OV	ChRC	256	275	288	819	107
TET1	OV	DM_e	419	167	231	817	108

SMARCC2	OV	Helicases	158	277	374	809	109
PRKAA2	OV	Others	288	301	219	808	110
KDM4A	OV	HM_e	95	368	344	807	111
SUPT16H	OV	Others	153	285	367	805	112
HR	OV	HM_e	322	341	138	801	113
MECP2	OV	DM_r	87	364	350	801	114
PHF1	OV	HM_r	180	298	323	801	115
NCOA1	OV	HA_w	305	209	285	799	116
CBX4	OV	HM_r	248	350	200	798	117
MBD5	OV	DM_r	311	188	297	796	118
PHF21B	OV	HM_r	295	316	177	788	119
RNF2	OV	ChRC	54	329	403	786	120
SMARCA2	OV	Helicases	279	360	143	782	121
ARID1A	OV	ChRC	378	69	333	780	122
STK31	OV	Others	348	237	193	778	123
SMARCD3	OV	Helicases	156	402	218	776	124
CHD5	OV	Helicases	370	288	115	773	125
PRDM7	OV	HM_w	355	263	155	773	126
TET3	OV	DM_e	346	138	289	773	127
NSD1	OV	HM_w	304	259	209	772	128
BPTF	OV	HA_r	397	244	130	771	129
PCGF1	OV	Others	358	158	250	766	130
SIRT2	OV	HA_e	45	407	314	766	131
RBBP5	OV	ChRC	55	315	392	762	132
MBD3	OV	DM_r	199	286	275	760	133
PRKAA1	OV	Others	63	311	386	760	134
USP51	OV	Others	270	195	295	760	135
SP100	OV	HA_r	411	109	238	758	136
BAZ2A	OV	HA_r	257	194	306	757	137
TCEA1	OV	Others	29	371	355	755	138
HDGF	OV	Others	110	324	320	754	139
HDAC11	OV	HA_e	366	174	213	753	140
PRDM16	OV	HM_w	290	304	156	750	141
TAF1	OV	HA_r	402	116	232	750	142
PARP2	OV	Others	185	280	284	749	143

SIRT5	OV	HA_e	42	378	327	747	144
BRWD3	OV	HA_r	396	103	245	744	145
ORC1	OV	Others	188	302	251	741	146
PHF3	OV	Others	294	140	307	741	147
HDAC9	OV	HA_e	218	321	199	738	148
MLLT10	OV	HM_w	86	281	370	737	149
HDAC10	OV	HA_e	113	400	223	736	150
ZMYND11	OV	HA_r	11	359	366	736	151
H3F3A	OV	Others	114	358	263	735	152
SUV39H2	OV	HM_w	152	257	326	735	153
TDRD6	OV	Others	274	269	192	735	154
TDG	OV	ChRC	345	139	249	733	155
SMARCA1	OV	Helicases	382	169	181	732	156
CXXC1	OV	Others	238	69	423	730	157
DPF2	OV	Others	234	229	266	729	158
HDGFL1	OV	Others	109	379	241	729	159
MTA1	OV	ChRC	84	309	336	729	160
FKBP5	OV	Others	227	310	189	726	161
CHD9	OV	Helicases	335	69	321	725	162
CHD8	OV	Helicases	409	273	42	724	163
BRD2	OV	HA_r	373	307	42	722	164
KDM2B	OV	HM_e	205	217	298	720	165
PADI6	OV	Others	301	185	234	720	166
GTF2B	OV	Others	223	219	273	715	167
TDRD9	OV	Others	272	252	191	715	168
SMYD4	OV	HM_w	154	168	391	713	169
KDM7A	OV	HM_e	266	69	372	707	170
MBTD1	OV	Others	310	160	235	705	171
FBXO44	OV	Others	229	260	214	703	172
ERCC5	OV	Others	408	250	42	700	173
KDM4C	OV	HM_e	318	339	42	699	174
TDRD10	OV	Others	151	342	206	699	175
SMYD3	OV	HM_w	35	381	282	698	176
SUV39H1	OV	HM_w	32	344	322	698	177
KMT2A	OV	HM_w	407	248	42	697	178

MUM1	OV	Others	193	293	211	697	179
MBD1	OV	DM_r	200	69	425	694	180
PRMT7	OV	HM_w	59	226	408	693	181
CBX2	OV	ChRC	135	351	201	687	182
EP300	OV	HA_w	231	191	265	687	183
TCF20	OV	Others	410	231	42	683	184
PRDM15	OV	HM_w	385	184	113	682	185
PADI2	OV	Others	359	187	135	681	186
GADD45B	OV	Others	225	266	188	679	187
IDH2	OV	DM_e	104	303	271	678	188
SMARCB1	OV	Helicases	404	232	42	678	189
SETDB2	OV	HM_w	162	198	315	675	190
BRWD1	OV	HA_r	250	177	246	673	191
ZCWPW1	OV	HM_r	145	290	236	671	192
SMYD2	OV	HM_w	155	276	239	670	193
EPC2	OV	Others	230	122	317	669	194
PCMT1	OV	Others	183	157	328	668	195
CLOCK	OV	HA_w	239	147	279	665	196
GLYR1	OV	HM_r	118	161	384	663	197
SP140	OV	HA_r	381	107	173	661	198
L3MBTL1	OV	HM_r	201	173	286	660	199
ACTL6B	OV	ChRC	264	289	103	656	200
PBRM1	OV	HA_r	300	159	197	656	201
PPARGC1A	OV	Others	291	208	157	656	202
SETD6	OV	HM_w	164	91	398	653	203
ASXL2	OV	Others	142	179	330	651	204
PADI3	OV	Others	303	203	145	651	205
HIRA	OV	Others	324	282	42	648	206
KDM4D	OV	HM_e	93	334	221	648	207
KMT2D	OV	HM_w	314	74	260	648	208
GADD45A	OV	Others	226	242	179	647	209
MTF2	OV	HM_r	306	142	198	646	210
PHF13	OV	Others	76	279	291	646	211
KAT5	OV	HA_w	97	228	316	641	212
SIRT7	OV	HA_e	41	345	255	641	213

HDAC7	OV	HA_e	219	190	229	638	214
PWWP2B	OV	Others	57	291	290	638	215
ATRX	OV	Helicases	339	148	149	636	216
RPH3A	OV	Others	354	171	110	635	217
KDM8	OV	HM_e	315	75	244	634	218
BAZ1A	OV	HA_r	337	123	172	632	219
L3MBTL3	OV	Others	401	69	161	631	220
BRPF1	OV	HA_r	372	211	42	625	221
TCF19	OV	Others	28	314	281	623	222
FXR2	OV	Others	120	86	416	622	223
KDM6A	OV	HM_e	316	69	228	613	224
MTA3	OV	ChRC	307	264	42	613	225
RBBP7	OV	ChRC	285	69	257	611	226
AIRE	OV	HM_r	143	262	204	609	227
CHD2	OV	Helicases	241	326	42	609	228
SETD2	OV	HM_w	413	154	42	609	229
NCOR2	OV	Others	189	234	184	607	230
HDAC4	OV	HA_e	365	69	170	604	231
TP53BP1	OV	Others	380	181	42	603	232
SSRP1	OV	Others	276	82	243	601	233
SETD3	OV	HM_w	47	153	399	599	234
ZCWPW2	OV	HM_r	269	124	205	598	235
TRIM33	OV	HA_r	148	151	296	595	236
TRIM28	OV	HA_r	24	245	325	594	237
INTS12	OV	Others	102	114	375	591	238
AKAP1	OV	Others	261	149	180	590	239
ING2	OV	HM_r	213	240	137	590	240
MARCH5	OV	Others	89	120	380	589	241
NCOR1	OV	ChRC	190	130	269	589	242
ASH2L	OV	HM_w	260	284	42	586	243
CBX5	OV	HM_r	134	236	216	586	244
CHAF1B	OV	ChRC	243	193	148	584	245
DPY30	OV	Others	127	267	190	584	246
PRDM2	OV	HM_w	289	253	42	584	247
HIST1H1B	OV	Others	107	336	140	583	248

TDRD12	OV	Others	26	392	163	581	249
SP110	OV	HA_r	277	108	194	579	250
PRDM10	OV	HM_w	70	332	176	578	251
CHAF1A	OV	ChRC	244	235	97	576	252
PHF19	OV	HM_r	298	119	158	575	253
KDM3A	OV	HM_e	204	77	293	574	254
PRMT5	OV	HM_w	286	246	42	574	255
BRDT	OV	HA_r	252	212	109	573	256
EP400	OV	HA_w	368	162	42	572	257
HDAC8	OV	HA_e	111	189	272	572	258
MEN1	OV	ChRC	198	132	240	570	259
MPHOSPH8	OV	HM_r	196	143	227	566	260
CBX3	OV	HM_r	249	274	42	565	261
HNF1A	OV	ChRC	216	210	139	565	262
SMARCD1	OV	Helicases	157	125	283	565	263
KDM3B	OV	HM_e	388	133	42	563	264
CBX1	OV	HM_r	136	221	202	559	265
BAP1	OV	Others	338	178	42	558	266
EHMT1	OV	HM_w	232	283	42	557	267
HIF1AN	OV	Others	108	69	379	556	268
MSL3	OV	HA_w	195	69	292	556	269
DOT1L	OV	HM_w	236	272	42	550	270
G2E3	OV	Others	327	175	42	544	271
PRDM1	OV	HM_w	175	216	151	542	272
L3MBTL4	OV	Others	90	239	212	541	273
PHC2	OV	ChRC	182	317	42	541	274
PHF21A	OV	HM_r	178	141	220	539	275
SMYD1	OV	HM_w	349	72	118	539	276
GTF2F1	OV	Others	117	69	351	537	277
CREBBP	OV	HA_w	424	69	42	535	278
POLR2B	OV	Others	292	201	42	535	279
SRCAP	OV	Others	403	89	42	534	280
IDH1	OV	DM_e	105	241	187	533	281
PRMT1	OV	HM_w	287	69	175	531	282
DNMT3L	OV	DM_w	128	261	141	530	283

KDM4E	OV	HM_e	92	333	105	530	284
PADI4	OV	Others	302	186	42	530	285
HSPBAP1	OV	Others	215	271	42	528	286
PADI1	OV	Others	187	204	136	527	287
SMARCC1	OV	Helicases	39	213	274	526	288
GTF2H1	OV	Others	116	80	329	525	289
KAT2B	OV	HA_w	208	145	168	521	290
SCML4	OV	Others	353	69	99	521	291
RAG2	OV	HM_r	171	183	166	520	292
SETD1B	OV	HM_w	48	224	247	519	293
MORF4L1	OV	HM_r	85	247	185	517	294
EZH1	OV	HM_w	392	81	42	515	295
JADE1	OV	Others	101	69	342	512	296
ING1	OV	HM_r	214	255	42	511	297
CBX7	OV	HM_r	247	164	98	509	298
JADE3	OV	Others	99	69	341	509	299
SMYD5	OV	HM_w	34	117	358	509	300
ELP3	OV	HA_w	126	337	42	505	301
KDM1A	OV	HM_e	319	144	42	505	302
JMJD8	OV	HM_e	209	249	42	500	303
CDYL2	OV	HM_r	131	243	124	498	304
SUZ12	OV	ChRC	31	88	378	497	305
RNF20	OV	Others	383	70	42	495	306
SMARCD2	OV	Helicases	38	223	233	494	307
TDRD7	OV	Others	273	69	150	492	308
CSTL1	OV	Others	130	146	215	491	309
AFF4	OV	Others	379	69	42	490	310
ARID4A	OV	ChRC	377	69	42	488	311
CECR2	OV	HA_r	245	69	171	485	312
KDM6B	OV	HM_e	202	97	186	485	313
SETMAR	OV	HM_w	161	197	119	477	314
PRMT2	OV	HM_w	173	258	42	473	315
FBXL19	OV	Others	329	101	42	472	316
KIAA2026	OV	Others	361	69	42	472	317
CHD1	OV	Helicases	242	69	160	471	318

TET2	OV	DM_e	271	104	96	471	319
NAP1L1	OV	Others	192	96	178	466	320
WDR5	OV	ChRC	13	69	383	465	321
SHPRH	OV	Others	351	69	42	462	322
SATB1	OV	Others	166	69	226	461	323
SIN3A	OV	ChRC	350	69	42	461	324
PHF12	OV	Others	179	238	42	459	325
USP22	OV	Others	147	150	162	459	326
SFMBT1	OV	HM_r	160	152	144	456	327
ELP4	OV	HA_w	125	287	42	454	328
HDAC3	OV	HA_e	325	85	42	452	329
CBX6	OV	HM_r	133	176	142	451	330
PYGO1	OV	HM_r	172	83	196	451	331
CHD3	OV	Helicases	240	87	123	450	332
RNF217	OV	Others	53	215	182	450	333
DPF3	OV	HA_r	233	102	112	447	334
HELLS	OV	Helicases	217	84	146	447	335
PHF6	OV	HM_r	177	227	42	446	336
SIRT3	OV	HA_e	44	69	331	444	337
HDAC2	OV	HA_e	112	69	262	443	338
KAT2A	OV	HA_w	320	79	42	441	339
UBE2A	OV	Others	22	180	237	439	340
SIRT4	OV	HA_e	43	170	225	438	341
BRD8	OV	HA_r	254	134	42	430	342
SETD7	OV	HM_w	163	127	127	417	343
AFF1	OV	Others	144	165	107	416	344
MBD2	OV	DM_r	88	69	259	416	345
SETD1A	OV	HM_w	281	92	42	415	346
SIRT6	OV	HA_e	159	214	42	415	347
GTF3C4	OV	HA_w	222	69	122	413	348
PHF11	OV	Others	77	202	134	413	349
NAP1L3	OV	Others	191	69	152	412	350
PHF7	OV	Others	72	156	183	411	351
PHF2	OV	Others	297	69	42	408	352
PSIP1	OV	HM_r	58	308	42	408	353

RPS6KA5	OV	Others	167	199	42	408	354
PHRF1	OV	Others	293	69	42	404	355
USP27X	OV	Others	15	340	42	397	356
UBR7	OV	Others	18	136	242	396	357
UHRF2	OV	DM_r	16	338	42	396	358
ING5	OV	HM_r	103	69	222	394	359
PHIP	OV	HA_r	176	172	42	390	360
SETD4	OV	HM_w	165	182	42	389	361
NAP1L2	OV	Others	83	95	210	388	362
PRDM11	OV	HM_w	69	112	207	388	363
MLLT6	OV	HM_w	197	69	121	387	364
JADE2	OV	Others	100	69	217	386	365
RNF17	OV	Others	168	118	100	386	366
RAI1	OV	Others	170	110	104	384	367
UBE2E1	OV	Others	20	137	224	381	368
KAT7	OV	HA_w	207	121	42	370	369
PRDM13	OV	HM_w	68	200	102	370	370
FKBP2	OV	Others	121	100	147	368	371
MTA2	OV	ChRC	194	131	42	367	372
BRD3	OV	HA_r	255	69	42	366	373
KANSL1	OV	HA_w	98	98	169	365	374
PRMT6	OV	HM_w	60	128	174	362	375
HDAC5	OV	HA_e	220	99	42	361	376
PRDM12	OV	HM_w	174	69	114	357	377
TDRD1	OV	Others	27	207	117	351	378
H2AFZ	OV	Others	115	115	108	338	379
SIRT1	OV	HA_e	46	126	165	337	380
KAT8	OV	HA_w	206	78	42	326	381
WDR82	OV	Others	146	135	42	323	382
IWS1	OV	Others	210	69	42	321	383
AURKB	OV	Others	141	69	106	316	384
SCML2	OV	HM_r	49	69	195	313	385
PRDM8	OV	HM_w	64	111	133	308	386
PCGF6	OV	Others	79	69	159	307	387
SP140L	OV	HA_r	33	106	164	303	388

PRMT3	OV	HM_w	61	94	129	284	389
SMARCA5	OV	Helicases	40	196	42	278	390
PCGF2	OV	Others	81	69	120	270	391
UBE2I	OV	Others	19	206	42	267	392
TAF1L	OV	HA_r	30	105	131	266	393
PRKCD	OV	Others	62	155	42	259	394
BRD7	OV	HA_r	138	69	42	249	395
RPA3	OV	Others	51	69	128	248	396
PRDM5	OV	HM_w	66	69	111	246	397
UBE2B	OV	Others	21	69	154	244	398
PRDM4	OV	HM_w	67	129	42	238	399
SMARCE1	OV	Helicases	37	69	132	238	400
PHF23	OV	HM_r	74	113	42	229	401
YY1	OV	ChRC	12	166	42	220	402
TRIM66	OV	HA_r	23	69	125	217	403
TDRD3	OV	HM_r	25	69	116	210	404
KDM4B	OV	HM_e	94	69	42	205	405
KDM5D	OV	HM_e	91	69	42	202	406
PCGF5	OV	Others	80	69	42	191	407
PHF10	OV	Others	78	69	42	189	408
POLE3	OV	ChRC	71	76	42	189	409
RNF40	OV	Others	52	93	42	187	410
PHF14	OV	Others	75	69	42	186	411
PHF5A	OV	Others	73	71	42	186	412
PRDM6	OV	HM_w	65	69	42	176	413
SMNDC1	OV	Others	36	90	42	168	414
UHRF1	OV	DM_r	17	69	42	128	415
UTY	OV	HM_e	14	69	42	125	416
GATAD2B	PAAD	HM_r	392	404	410	1206	1
CHD4	PAAD	Helicases	396	390	406	1192	2
KDM6A	PAAD	HM_e	409	401	378	1188	3
KDM5B	PAAD	HM_e	418	340	418	1176	4
MBD1	PAAD	DM_r	332	412	423	1167	5
PHF20L1	PAAD	HM_r	322	425	416	1163	6
KDM5A	PAAD	HM_e	335	413	413	1161	7

MECP2	PAAD	DM_r	385	363	393	1141	8
ARID1A	PAAD	ChRC	426	331	374	1131	9
ATAD2	PAAD	HA_r	281	423	424	1128	10
ASH1L	PAAD	HM_w	416	407	293	1116	11
CHRA1	PAAD	ChRC	260	424	425	1109	12
CHD1L	PAAD	Helicases	263	415	421	1099	13
AEBP2	PAAD	HM_w	285	410	398	1093	14
HDAC5	PAAD	HA_e	391	371	315	1077	15
IDH2	PAAD	DM_e	388	402	285	1075	16
PRMT8	PAAD	HM_w	314	395	351	1060	17
ACTL6A	PAAD	ChRC	286	349	422	1057	18
ASXL1	PAAD	Others	364	330	361	1055	19
CHD7	PAAD	Helicases	261	389	405	1055	20
DIDO1	PAAD	Others	424	268	360	1052	21
HDGF	PAAD	Others	234	403	414	1051	22
DNMT3B	PAAD	DM_w	411	267	359	1037	23
TDRD5	PAAD	Others	293	351	388	1032	24
HDAC9	PAAD	HA_e	419	319	287	1025	25
HR	PAAD	HM_e	389	315	313	1017	26
ATF7IP	PAAD	Others	280	391	342	1013	27
CHD6	PAAD	Helicases	420	273	319	1012	28
MECOM	PAAD	Others	407	400	202	1009	29
BAZ1B	PAAD	HA_r	278	329	397	1004	30
ARID1B	PAAD	ChRC	368	288	343	999	31
CBX1	PAAD	HM_r	268	406	321	995	32
ELP3	PAAD	HA_w	251	322	420	993	33
EZH1	PAAD	HM_w	247	345	396	988	34
HCFC1	PAAD	Others	237	372	379	988	35
SIRT2	PAAD	HA_e	153	420	415	988	36
BAZ2B	PAAD	HA_r	276	328	373	977	37
MBD2	PAAD	DM_r	331	411	232	974	38
SETD2	PAAD	HM_w	375	208	390	973	39
SETDB1	PAAD	HM_w	160	383	426	969	40
IDH1	PAAD	DM_e	226	343	395	964	41
PYGO2	PAAD	HM_r	166	394	404	964	42

MORF4L1	PAAD	HM_r	208	384	367	959	43
CLOCK	PAAD	HA_w	259	324	371	954	44
ING1	PAAD	HM_r	344	251	357	952	45
MBTD1	PAAD	Others	330	364	257	951	46
SMYD4	PAAD	HM_w	300	300	347	947	47
CHD5	PAAD	Helicases	358	376	209	943	48
STK31	PAAD	Others	372	295	274	941	49
TRIM28	PAAD	HA_r	290	350	296	936	50
FBXO17	PAAD	Others	245	421	266	932	51
TAF1L	PAAD	HA_r	297	354	273	924	52
BOP 1	PAAD	Others	114	426	381	921	53
KDM1B	PAAD	HM_e	340	244	336	920	54
PHF5A	PAAD	Others	183	357	366	906	55
SMARCC2	PAAD	Helicases	150	355	400	905	56
KAT2A	PAAD	HA_w	221	342	337	900	57
KDM6B	PAAD	HM_e	386	311	203	900	58
NCOR1	PAAD	ChRC	383	235	282	900	59
PAF1	PAAD	Others	58	422	417	897	60
TDRKH	PAAD	Others	133	381	382	896	61
BRD7	PAAD	HA_r	271	282	341	894	62
L3MBTL4	PAAD	Others	334	385	174	893	63
ATR	PAAD	Others	415	69	403	887	64
SMARCD2	PAAD	Helicases	148	334	399	881	65
EHMT2	PAAD	HM_w	252	388	239	879	66
PHF21B	PAAD	HM_r	321	358	200	879	67
EZH2	PAAD	HM_w	246	262	370	878	68
CDYL2	PAAD	HM_r	360	274	243	877	69
PRDM16	PAAD	HM_w	380	338	155	873	70
CBX2	PAAD	ChRC	267	280	320	867	71
TAF1	PAAD	HA_r	371	193	299	863	72
SMYD3	PAAD	HM_w	144	393	324	861	73
JARID2	PAAD	ChRC	342	313	204	859	74
KAT7	PAAD	HA_w	77	386	394	857	75
DPF1	PAAD	ChRC	255	419	179	853	76
SP140	PAAD	HA_r	373	297	183	853	77

FXR2	PAAD	Others	241	321	289	851	78
TCF20	PAAD	Others	136	352	363	851	79
HIST1H1B	PAAD	Others	390	253	205	848	80
MLLT6	PAAD	HM_w	64	399	383	846	81
SETD6	PAAD	HM_w	307	206	328	841	82
PARP2	PAAD	Others	195	234	409	838	83
CHD9	PAAD	Helicases	357	271	208	836	84
KIAA2026	PAAD	Others	214	310	311	835	85
BPTF	PAAD	HA_r	414	377	42	833	86
PCGF2	PAAD	Others	57	398	377	832	87
ING4	PAAD	HM_r	87	387	356	830	88
SFMBT2	PAAD	Others	306	303	221	830	89
BRD8	PAAD	HA_r	113	327	387	827	90
EP300	PAAD	HA_w	410	375	42	827	91
HELLS	PAAD	Helicases	233	254	338	825	92
ASH2L	PAAD	HM_w	365	416	42	823	93
KAT2B	PAAD	HA_w	220	341	260	821	94
TCEA1	PAAD	Others	24	382	411	817	95
L3MBTL2	PAAD	Others	408	366	42	816	96
PHF10	PAAD	Others	325	69	419	813	97
PRDM11	PAAD	HM_w	403	223	186	812	98
HIST1H1C	PAAD	Others	230	318	263	811	99
NSD1	PAAD	HM_w	406	362	42	810	100
PARP1	PAAD	Others	196	361	253	810	101
RNF2	PAAD	ChRC	42	356	412	810	102
HIST1H3B	PAAD	Others	229	317	262	808	103
GLYR1	PAAD	HM_r	100	320	386	806	104
SMARCA1	PAAD	Helicases	305	200	300	805	105
DNMT1	PAAD	DM_w	394	69	340	803	106
ACTL6B	PAAD	ChRC	121	408	268	797	107
H3F3A	PAAD	Others	97	373	317	787	108
BRD2	PAAD	HA_r	398	346	42	786	109
FKBP5	PAAD	Others	349	259	177	785	110
ING5	PAAD	HM_r	224	249	312	785	111
PHF1	PAAD	HM_r	326	231	227	784	112

TDRD1	PAAD	Others	294	192	298	784	113
RNF40	PAAD	Others	311	69	401	781	114
CHD3	PAAD	Helicases	413	325	42	780	115
PWWP2B	PAAD	Others	313	215	252	780	116
PRMT5	PAAD	HM_w	170	216	392	778	117
SMARCD3	PAAD	Helicases	147	301	325	773	118
RBBP5	PAAD	ChRC	43	336	391	770	119
PRDM13	PAAD	HM_w	381	221	165	767	120
ZMYND8	PAAD	HA_r	287	69	408	764	121
KDM3A	PAAD	HM_e	338	69	355	762	122
TCF19	PAAD	Others	137	353	272	762	123
AFF1	PAAD	Others	370	69	322	761	124
CBX5	PAAD	HM_r	110	278	372	760	125
PCGF5	PAAD	Others	192	232	331	755	126
NCOR2	PAAD	Others	328	69	353	750	127
BRWD3	PAAD	HA_r	425	69	245	739	128
ATM	PAAD	Others	421	69	247	737	129
PRMT1	PAAD	HM_w	48	337	352	737	130
H2AFZ	PAAD	Others	347	69	318	734	131
ZCWPW1	PAAD	HM_r	123	392	217	732	132
NAP1L2	PAAD	Others	329	69	333	731	133
KAT6B	PAAD	HA_w	78	368	284	730	134
PRDM14	PAAD	HM_w	178	396	156	730	135
SMYD2	PAAD	HM_w	145	332	250	727	136
SND1	PAAD	HM_r	143	195	389	727	137
CREBBP	PAAD	HA_w	412	270	42	724	138
TRIM33	PAAD	HA_r	289	69	362	720	139
HLTF	PAAD	Others	89	316	314	719	140
CXXC1	PAAD	Others	257	414	42	713	141
CHD2	PAAD	Helicases	262	405	42	709	142
CHD8	PAAD	Helicases	395	272	42	709	143
ARID4B	PAAD	ChRC	284	379	42	705	144
HDAC6	PAAD	HA_e	345	69	288	702	145
RPA3	PAAD	Others	162	210	330	702	146
EHMT1	PAAD	HM_w	393	266	42	701	147

MPHOSPH8	PAAD	HM_r	207	238	256	701	148
TET1	PAAD	DM_e	292	189	218	699	149
BAZ2A	PAAD	HA_r	277	378	42	697	150
JMJD6	PAAD	HM_e	82	246	369	697	151
ARID2	PAAD	ChRC	367	287	42	696	152
SUV39H2	PAAD	HM_w	138	194	364	696	153
ARID4A	PAAD	ChRC	366	286	42	694	154
GTF3C4	PAAD	HA_w	98	257	339	694	155
JMJD8	PAAD	HM_e	81	245	368	694	156
PPARGC1A	PAAD	Others	319	69	306	694	157
AICDA	PAAD	DM_e	119	380	194	693	158
ELP4	PAAD	HA_w	250	265	178	693	159
NCOA1	PAAD	HA_w	201	236	255	692	160
PBRM1	PAAD	HA_r	417	233	42	692	161
PRDM10	PAAD	HM_w	318	69	305	692	162
KDM3B	PAAD	HM_e	337	312	42	691	163
DOT1L	PAAD	HM_w	354	69	267	690	164
SATB1	PAAD	Others	308	209	172	689	165
PYGO1	PAAD	HM_r	167	214	304	685	166
HNF1A	PAAD	ChRC	228	69	385	682	167
RPS6KA5	PAAD	Others	310	69	302	681	168
RING1	PAAD	Others	163	212	303	678	169
CECR2	PAAD	HA_r	397	69	211	677	170
MTA1	PAAD	ChRC	205	69	402	676	171
SMARCE1	PAAD	Helicases	301	333	42	676	172
KDM2A	PAAD	HM_e	387	243	42	672	173
PRKCD	PAAD	Others	379	69	224	672	174
PHF14	PAAD	Others	55	309	307	671	175
CHAF1B	PAAD	ChRC	359	69	242	670	176
KDM5C	PAAD	HM_e	215	69	384	668	177
POLR2B	PAAD	Others	320	306	42	668	178
DAXX	PAAD	ChRC	356	269	42	667	179
MEN1	PAAD	ChRC	384	239	42	665	180
KDM4C	PAAD	HM_e	336	69	259	664	181
SMARCA2	PAAD	Helicases	304	199	161	664	182

BRD1	PAAD	HA_r	274	347	42	663	183
ING3	PAAD	HM_r	88	314	261	663	184
HDAC8	PAAD	HA_e	235	69	358	662	185
PADI3	PAAD	Others	405	69	187	661	186
FMR1	PAAD	Others	242	374	42	658	187
EPC2	PAAD	Others	351	264	42	657	188
TDRD10	PAAD	Others	23	409	219	651	189
HDAC4	PAAD	HA_e	346	69	235	650	190
PADI1	PAAD	Others	327	69	254	650	191
GATAD2A	PAAD	HM_r	348	258	42	648	192
SMARCA4	PAAD	Helicases	303	302	42	647	193
ATAT1	PAAD	Others	117	348	181	646	194
ASXL2	PAAD	Others	283	69	292	644	195
HDAC10	PAAD	HA_e	94	344	206	644	196
KDM4B	PAAD	HM_e	217	69	354	640	197
KAT6A	PAAD	HA_w	79	369	189	637	198
SP140L	PAAD	HA_r	298	296	42	636	199
CBX3	PAAD	HM_r	266	326	42	634	200
INO80	PAAD	Helicases	343	248	42	633	201
MTA2	PAAD	ChRC	62	237	334	633	202
TAF3	PAAD	HA_r	296	292	42	630	203
CBX7	PAAD	HM_r	108	276	244	628	204
PHC3	PAAD	ChRC	187	397	42	626	205
CARM1	PAAD	HM_w	362	69	193	624	206
SETD5	PAAD	HM_w	374	207	42	623	207
AKAP1	PAAD	Others	118	289	215	622	208
CSTL1	PAAD	Others	106	323	191	620	209
KDM4D	PAAD	HM_e	216	69	335	620	210
LBR	PAAD	Others	213	365	42	620	211
AURKB	PAAD	Others	116	285	214	615	212
MARCH5	PAAD	Others	333	240	42	615	213
PRKAA1	PAAD	Others	173	217	225	615	214
PRDM5	PAAD	HM_w	315	69	226	610	215
EPC1	PAAD	Others	249	69	291	609	216
RPH3A	PAAD	Others	377	69	163	609	217

AIRE	PAAD	HM_r	369	69	170	608	218
PRMT3	PAAD	HM_w	171	69	365	605	219
DMAP1	PAAD	Others	355	69	180	604	220
FBXW9	PAAD	Others	244	69	290	603	221
NCOA3	PAAD	HA_w	200	69	332	601	222
RAG2	PAAD	HM_r	45	305	251	601	223
BMI1	PAAD	ChRC	275	283	42	600	224
RNF17	PAAD	Others	378	69	153	600	225
CBX6	PAAD	HM_r	109	277	213	599	226
ZMYND11	PAAD	HA_r	122	183	294	599	227
TDRD12	PAAD	Others	22	418	158	598	228
PHF12	PAAD	Others	324	229	42	595	229
CBX8	PAAD	ChRC	107	275	212	594	230
BRPF1	PAAD	HA_r	269	281	42	592	231
PHF2	PAAD	Others	323	227	42	592	232
PHC1	PAAD	ChRC	189	360	42	591	233
TRIM24	PAAD	HA_r	131	188	271	590	234
MBD4	PAAD	DM_r	211	69	309	589	235
FBXO44	PAAD	Others	350	69	169	588	236
PRDM12	PAAD	HM_w	179	222	185	586	237
BRDT	PAAD	HA_r	270	69	246	585	238
SETMAR	PAAD	HM_w	159	204	222	585	239
RBBP7	PAAD	ChRC	164	69	350	583	240
CBX4	PAAD	HM_r	111	279	192	582	241
PRDM7	PAAD	HM_w	176	219	184	579	242
KDM1A	PAAD	HM_e	341	69	167	577	243
RAI1	PAAD	Others	165	213	199	577	244
SIRT7	PAAD	HA_e	28	201	348	577	245
UBE2I	PAAD	Others	16	186	375	577	246
PAXIP1	PAAD	Others	194	339	42	575	247
PHF7	PAAD	Others	182	226	166	574	248
FKBP2	PAAD	Others	103	260	207	570	249
SMYD5	PAAD	HM_w	299	69	198	566	250
SUZ12	PAAD	ChRC	25	293	248	566	251
RNF20	PAAD	Others	312	211	42	565	252

DPF3	PAAD	HA_r	253	69	241	563	253
BRD9	PAAD	HA_r	112	69	380	561	254
SIRT3	PAAD	HA_e	32	202	326	560	255
NAP1L3	PAAD	Others	202	69	283	554	256
SFMBT1	PAAD	HM_r	158	69	327	554	257
ERCC5	PAAD	Others	248	263	42	553	258
KDM7A	PAAD	HM_e	73	69	407	549	259
PRDM8	PAAD	HM_w	175	218	154	547	260
FKBP1A	PAAD	Others	243	261	42	546	261
CHAF1A	PAAD	ChRC	265	69	210	544	262
SMARCC1	PAAD	Helicases	302	198	42	542	263
USP51	PAAD	Others	127	69	346	542	264
MBD3	PAAD	DM_r	212	69	258	539	265
BRWD1	PAAD	HA_r	423	69	42	534	266
HIRA	PAAD	Others	231	69	234	534	267
PHF21A	PAAD	HM_r	184	308	42	534	268
DNMT3A	PAAD	DM_w	422	69	42	533	269
HDAC7	PAAD	HA_e	236	255	42	533	270
SIN3A	PAAD	ChRC	156	335	42	533	271
SETD4	PAAD	HM_w	161	69	301	531	272
PRDM1	PAAD	HM_w	180	69	281	530	273
KMT2B	PAAD	HM_w	70	417	42	529	274
UBE2A	PAAD	Others	18	187	323	528	275
PRDM15	PAAD	HM_w	177	69	280	526	276
TDRD6	PAAD	Others	135	191	197	523	277
HSPBAP1	PAAD	Others	227	252	42	521	278
ING2	PAAD	HM_r	225	250	42	517	279
PRMT7	PAAD	HM_w	168	69	279	516	280
DNMT3L	PAAD	DM_w	256	69	190	515	281
PHIP	PAAD	HA_r	404	69	42	515	282
SETDB2	PAAD	HM_w	33	205	277	515	283
SRCAP	PAAD	Others	402	69	42	513	284
TET2	PAAD	DM_e	401	69	42	512	285
ATAD2B	PAAD	HA_r	400	69	42	511	286
JMJD1C	PAAD	HM_e	222	247	42	511	287

ATRX	PAAD	Helicases	399	69	42	510	288
ASXL3	PAAD	Others	282	69	157	508	289
SIN3B	PAAD	ChRC	155	69	276	500	290
JADE1	PAAD	Others	85	69	345	499	291
PHF20	PAAD	HM_r	54	69	376	499	292
JADE2	PAAD	Others	84	69	344	497	293
ZCWPW2	PAAD	HM_r	12	290	195	497	294
PADI6	PAAD	Others	197	69	229	495	295
SMARCB1	PAAD	Helicases	151	69	275	495	296
PHF3	PAAD	Others	382	69	42	493	297
KANSL1	PAAD	HA_w	80	370	42	492	298
WDR5	PAAD	ChRC	126	69	295	490	299
KDM8	PAAD	HM_e	72	242	175	489	300
SETD1A	PAAD	HM_w	376	69	42	487	301
PHC2	PAAD	ChRC	188	69	228	485	302
SP100	PAAD	HA_r	142	299	42	483	303
SP110	PAAD	HA_r	141	298	42	481	304
HDAC3	PAAD	HA_e	91	69	316	476	305
KMT2E	PAAD	HM_w	67	367	42	476	306
SUPT16H	PAAD	Others	139	294	42	475	307
BRPF3	PAAD	HA_r	363	69	42	474	308
CDYL	PAAD	HM_r	361	69	42	472	309
EED	PAAD	ChRC	353	69	42	464	310
EP400	PAAD	HA_w	352	69	42	463	311
PCGF1	PAAD	Others	193	69	201	463	312
UBE2E1	PAAD	Others	130	291	42	463	313
PHF11	PAAD	Others	186	230	42	458	314
SSRP1	PAAD	Others	140	69	249	458	315
PHF13	PAAD	Others	56	359	42	457	316
PADI2	PAAD	Others	199	69	188	456	317
PHF19	PAAD	HM_r	185	228	42	455	318
KDM2B	PAAD	HM_e	339	69	42	450	319
SIRT4	PAAD	HA_e	31	69	349	449	320
PHRF1	PAAD	Others	181	225	42	448	321
HDGFL1	PAAD	Others	90	69	286	445	322

L3MBTL1	PAAD	HM_r	66	69	310	445	323
BAP1	PAAD	Others	115	284	42	441	324
ORC1	PAAD	Others	59	69	308	436	325
SCML2	PAAD	HM_r	38	69	329	436	326
GTF2B	PAAD	Others	99	69	265	433	327
HDAC1	PAAD	HA_e	95	69	264	428	328
PRDM2	PAAD	HM_w	317	69	42	428	329
PRDM4	PAAD	HM_w	316	69	42	427	330
JADE3	PAAD	Others	83	69	269	421	331
RTF1	PAAD	Others	309	69	42	420	332
DPY30	PAAD	Others	105	69	240	414	333
PRKAA2	PAAD	Others	172	69	173	414	334
FBXL19	PAAD	Others	104	69	238	411	335
ZGPAT	PAAD	Others	11	184	216	411	336
GADD45A	PAAD	Others	102	69	237	408	337
PRDM9	PAAD	HM_w	174	69	164	407	338
TDG	PAAD	ChRC	295	69	42	406	339
TDRD7	PAAD	Others	20	190	196	406	340
TET3	PAAD	DM_e	291	69	42	402	341
PHF6	PAAD	HM_r	52	307	42	401	342
SIRT1	PAAD	HA_e	154	203	42	399	343
UHRF1	PAAD	DM_r	288	69	42	399	344
HDAC11	PAAD	HA_e	93	69	236	398	345
HAT1	PAAD	HA_w	96	256	42	394	346
BAZ1A	PAAD	HA_r	279	69	42	390	347
SMARCD1	PAAD	Helicases	149	197	42	388	348
TDRD3	PAAD	HM_r	21	69	297	387	349
SCMH1	PAAD	Others	39	304	42	385	350
TDRD9	PAAD	Others	134	69	182	385	351
BRD3	PAAD	HA_r	273	69	42	384	352
BRD4	PAAD	HA_r	272	69	42	383	353
SETD7	PAAD	HM_w	34	69	278	381	354
KDM4E	PAAD	HM_e	75	69	233	377	355
CHD1	PAAD	Helicases	264	69	42	375	356
SMYD1	PAAD	HM_w	146	69	159	374	357

CTCF	PAAD	Others	258	69	42	369	358
DPF2	PAAD	Others	254	69	42	365	359
MSL3	PAAD	HA_w	63	69	231	363	360
MUM1	PAAD	Others	60	69	230	359	361
TRIM66	PAAD	HA_r	19	69	270	358	362
G2E3	PAAD	Others	240	69	42	351	363
KMT2D	PAAD	HM_w	68	241	42	351	364
GTF2F1	PAAD	Others	239	69	42	350	365
GTF2H1	PAAD	Others	238	69	42	349	366
HIF1AN	PAAD	Others	232	69	42	343	367
PRMT2	PAAD	HM_w	47	69	223	339	368
GADD45B	PAAD	Others	101	69	168	338	369
IWS1	PAAD	Others	223	69	42	334	370
KAT5	PAAD	HA_w	219	69	42	330	371
KDM4A	PAAD	HM_e	218	69	42	329	372
KAT8	PAAD	HA_w	76	69	176	321	373
MBD5	PAAD	DM_r	210	69	42	321	374
MLLT10	PAAD	HM_w	209	69	42	320	375
MSH6	PAAD	HM_r	206	69	42	317	376
POLE3	PAAD	ChRC	50	224	42	316	377
MTF2	PAAD	HM_r	204	69	42	315	378
SUV39H1	PAAD	HM_w	26	69	220	315	379
NAP1L1	PAAD	Others	203	69	42	314	380
PRDM6	PAAD	HM_w	49	220	42	311	381
PADI4	PAAD	Others	198	69	42	309	382
PCGF6	PAAD	Others	191	69	42	302	383
PCMT1	PAAD	Others	190	69	42	301	384
PRMT6	PAAD	HM_w	169	69	42	280	385
SIRT5	PAAD	HA_e	30	69	171	270	386
SCML4	PAAD	Others	37	69	162	268	387
SHPRH	PAAD	Others	157	69	42	268	388
SMNDC1	PAAD	Others	27	196	42	265	389
SMARCA5	PAAD	Helicases	152	69	42	263	390
SIRT6	PAAD	HA_e	29	69	160	258	391
TP53BP1	PAAD	Others	132	69	42	243	392

USP22	PAAD	Others	15	185	42	242	393
UBR7	PAAD	Others	129	69	42	240	394
UHRF2	PAAD	DM_r	128	69	42	239	395
WDR82	PAAD	Others	125	69	42	236	396
YY1	PAAD	ChRC	124	69	42	235	397
AFF4	PAAD	Others	120	69	42	231	398
HDAC2	PAAD	HA_e	92	69	42	203	399
INTS12	PAAD	Others	86	69	42	197	400
KDM5D	PAAD	HM_e	74	69	42	185	401
KMT2A	PAAD	HM_w	71	69	42	182	402
KMT2C	PAAD	HM_w	69	69	42	180	403
L3MBTL3	PAAD	Others	65	69	42	176	404
MTA3	PAAD	ChRC	61	69	42	172	405
PHF23	PAAD	HM_r	53	69	42	164	406
PHF8	PAAD	Others	51	69	42	162	407
PSIP1	PAAD	HM_r	46	69	42	157	408
RBBP4	PAAD	ChRC	44	69	42	155	409
RNF217	PAAD	Others	41	69	42	152	410
RSF1	PAAD	ChRC	40	69	42	151	411
SETD1B	PAAD	HM_w	36	69	42	147	412
SETD3	PAAD	HM_w	35	69	42	146	413
UBE2B	PAAD	Others	17	69	42	128	414
USP27X	PAAD	Others	14	69	42	125	415
UTY	PAAD	HM_e	13	69	42	124	416
GATAD2B	PCPG	HM_r	413	425	391	1229	1
EP400	PCPG	HA_w	425	409	392	1226	2
KDM4B	PCPG	HM_e	365	416	380	1161	3
SETDB1	PCPG	HM_w	332	421	400	1153	4
BAZ2A	PCPG	HA_r	394	366	383	1143	5
PRDM2	PCPG	HM_w	343	376	417	1136	6
ASH1L	PCPG	HM_w	399	417	310	1126	7
LBR	PCPG	Others	358	406	345	1109	8
PARP1	PCPG	Others	352	404	323	1079	9
ELP4	PCPG	HA_w	380	290	402	1072	10
CARM1	PCPG	HM_w	389	307	368	1064	11

KDM5B	PCPG	HM_e	363	423	272	1058	12
GTF2B	PCPG	Others	231	392	426	1049	13
KDM5C	PCPG	HM_e	362	341	346	1049	14
SETD2	PCPG	HM_w	423	221	404	1048	15
HDGF	PCPG	Others	215	424	408	1047	16
BAP1	PCPG	Others	297	316	425	1038	17
HDAC1	PCPG	HA_e	224	390	423	1037	18
DPF2	PCPG	Others	256	354	415	1025	19
CHRA1	PCPG	ChRC	267	357	397	1021	20
CBX5	PCPG	HM_r	281	360	379	1020	21
BPTF	PCPG	HA_r	422	365	228	1015	22
KDM4A	PCPG	HM_e	184	407	424	1015	23
CHD5	PCPG	Helicases	386	398	225	1009	24
AKAP1	PCPG	Others	308	367	332	1007	25
BRPF1	PCPG	HA_r	287	310	409	1006	26
CHAF1A	PCPG	ChRC	275	399	330	1004	27
UBR7	PCPG	Others	317	328	355	1000	28
CBX3	PCPG	HM_r	282	362	352	996	29
KDM6B	PCPG	HM_e	410	260	326	996	30
GTF2F1	PCPG	Others	230	391	374	995	31
PWWP2B	PCPG	Others	340	336	318	994	32
FXR2	PCPG	Others	237	352	399	988	33
H3F3A	PCPG	Others	226	408	349	983	34
NAP1L2	PCPG	Others	406	252	325	983	35
CBX1	PCPG	HM_r	284	364	331	979	36
PADI6	PCPG	Others	419	380	180	979	37
CBX4	PCPG	HM_r	388	361	227	976	38
AIRE	PCPG	HM_r	309	325	333	967	39
BAZ1B	PCPG	HA_r	295	315	353	963	40
MTF2	PCPG	HM_r	157	387	416	960	41
HDAC7	PCPG	HA_e	218	351	389	958	42
DAXX	PCPG	ChRC	263	296	393	952	43
ARID1A	PCPG	ChRC	307	411	231	949	44
ATAD2	PCPG	HA_r	398	321	230	949	45
PADI2	PCPG	Others	353	383	212	948	46

KAT5	PCPG	HA_w	194	344	406	944	47
KDM1A	PCPG	HM_e	190	389	363	942	48
HELLS	PCPG	Helicases	213	350	373	936	49
CSTL1	PCPG	Others	384	298	253	935	50
DNMT1	PCPG	DM_w	261	295	377	933	51
CXXC1	PCPG	Others	264	297	367	928	52
ATAT1	PCPG	Others	299	319	309	927	53
KAT2A	PCPG	HA_w	366	345	216	927	54
ORC1	PCPG	Others	355	385	181	921	55
EHMT2	PCPG	HM_w	252	292	376	920	56
BRDT	PCPG	HA_r	391	400	128	919	57
JARID2	PCPG	ChRC	370	268	273	911	58
PADI3	PCPG	Others	404	382	116	902	59
CBX2	PCPG	ChRC	283	363	255	901	60
SMARCC2	PCPG	Helicases	327	208	358	893	61
ING1	PCPG	HM_r	374	269	248	891	62
JMJD6	PCPG	HM_e	196	347	347	890	63
HIF1AN	PCPG	Others	212	349	328	889	64
CDYL2	PCPG	HM_r	387	305	195	887	65
ATR	PCPG	Others	395	69	418	882	66
CHAF1B	PCPG	ChRC	274	304	304	882	67
CHD7	PCPG	Helicases	270	358	254	882	68
MUM1	PCPG	Others	156	386	340	882	69
KMT2C	PCPG	HM_w	424	69	388	881	70
CHD3	PCPG	Helicases	414	303	162	879	71
HDAC6	PCPG	HA_e	219	278	382	879	72
TCF19	PCPG	Others	321	199	357	877	73
GADD45B	PCPG	Others	234	393	249	876	74
RBBP4	PCPG	ChRC	96	374	405	875	75
CHD9	PCPG	Helicases	268	300	302	870	76
DNMT3A	PCPG	DM_w	382	294	194	870	77
DPF1	PCPG	ChRC	257	355	251	863	78
PCGF6	PCPG	Others	142	379	337	858	79
HDAC2	PCPG	HA_e	377	69	411	857	80
PADI1	PCPG	Others	354	384	117	855	81

SMARCA4	PCPG	Helicases	329	210	315	854	82
SMYD3	PCPG	HM_w	56	413	384	853	83
BRPF3	PCPG	HA_r	286	309	256	851	84
HIRA	PCPG	Others	211	276	364	851	85
PRKAA2	PCPG	Others	341	375	133	849	86
TRIM33	PCPG	HA_r	28	418	403	849	87
IWS1	PCPG	Others	372	69	407	848	88
PRDM16	PCPG	HM_w	344	377	118	839	89
HAT1	PCPG	HA_w	378	69	390	837	90
BOP 1	PCPG	Others	293	314	229	836	91
NAP1L1	PCPG	Others	155	339	339	833	92
PHC3	PCPG	ChRC	350	69	412	831	93
DPF3	PCPG	HA_r	255	353	222	830	94
PHRF1	PCPG	Others	346	69	413	828	95
RPS6KA5	PCPG	Others	337	224	267	828	96
SIRT7	PCPG	HA_e	68	370	386	824	97
ASXL2	PCPG	Others	302	322	197	821	98
JADE1	PCPG	Others	371	69	381	821	99
SMARCB1	PCPG	Helicases	328	69	419	816	100
KAT6A	PCPG	HA_w	411	265	135	811	101
JMJD8	PCPG	HM_e	368	69	372	809	102
H2AFZ	PCPG	Others	227	282	298	807	103
PRDM9	PCPG	HM_w	342	69	396	807	104
SUV39H1	PCPG	HM_w	324	201	281	806	105
DNMT3L	PCPG	DM_w	259	293	252	804	106
CBX8	PCPG	ChRC	278	359	164	801	107
BRD3	PCPG	HA_r	291	311	196	798	108
ARID2	PCPG	ChRC	417	69	311	797	109
DMAP1	PCPG	Others	262	397	138	797	110
FBXO44	PCPG	Others	243	395	159	797	111
RBBP5	PCPG	ChRC	339	414	42	795	112
ACTL6A	PCPG	ChRC	314	69	410	793	113
DOT1L	PCPG	HM_w	258	396	137	791	114
JMJD1C	PCPG	HM_e	369	267	154	790	115
CLOCK	PCPG	HA_w	266	299	224	789	116

CHD2	PCPG	Helicases	415	69	303	787	117
TDRKH	PCPG	Others	34	419	334	787	118
SETDB2	PCPG	HM_w	331	217	237	785	119
CTCF	PCPG	Others	383	356	42	781	120
AURKB	PCPG	Others	298	317	165	780	121
AFF1	PCPG	Others	311	326	140	777	122
KDM2B	PCPG	HM_e	187	263	327	777	123
PPARGC1A	PCPG	Others	345	69	362	776	124
FKBP2	PCPG	Others	240	285	250	775	125
ATF7IP	PCPG	Others	397	69	308	774	126
HDAC5	PCPG	HA_e	220	279	275	774	127
KDM6A	PCPG	HM_e	361	261	151	773	128
KMT2A	PCPG	HM_w	409	69	295	773	129
PHF1	PCPG	HM_r	138	246	387	771	130
MARCH5	PCPG	Others	357	69	344	770	131
MBTD1	PCPG	Others	167	388	214	769	132
PHF23	PCPG	HM_r	126	239	401	766	133
HDGFL1	PCPG	Others	214	277	274	765	134
BRWD3	PCPG	HA_r	390	69	305	764	135
MBD3	PCPG	DM_r	169	405	184	758	136
ARID4B	PCPG	ChRC	305	410	42	757	137
ATM	PCPG	Others	396	318	42	756	138
MTA1	PCPG	ChRC	160	254	342	756	139
GADD45A	PCPG	Others	235	394	126	755	140
KANSL1	PCPG	HA_w	367	346	42	755	141
MTA2	PCPG	ChRC	159	253	341	753	142
MBD2	PCPG	DM_r	170	340	242	752	143
BRD1	PCPG	HA_r	392	313	42	747	144
CDYL	PCPG	HM_r	277	306	163	746	145
MECP2	PCPG	DM_r	407	69	270	746	146
ARID1B	PCPG	ChRC	418	69	257	744	147
FKBP5	PCPG	Others	239	284	221	744	148
RNF17	PCPG	Others	401	227	115	743	149
EED	PCPG	ChRC	253	69	420	742	150
NCOA1	PCPG	HA_w	153	251	338	742	151

RNF2	PCPG	ChRC	93	373	268	734	152
CHD6	PCPG	Helicases	385	302	42	729	153
AFF4	PCPG	Others	400	69	258	727	154
YY1	PCPG	ChRC	316	368	42	726	155
ASXL3	PCPG	Others	301	69	354	724	156
RNF20	PCPG	Others	338	69	317	724	157
L3MBTL1	PCPG	HM_r	359	69	294	722	158
CHD1L	PCPG	Helicases	272	69	378	719	159
SCML2	PCPG	HM_r	334	69	316	719	160
MBD5	PCPG	DM_r	408	69	241	718	161
MSH6	PCPG	HM_r	356	69	293	718	162
DIDO1	PCPG	Others	421	69	223	713	163
RSF1	PCPG	ChRC	336	335	42	713	164
SMARCD2	PCPG	Helicases	62	334	314	710	165
SMYD2	PCPG	HM_w	57	369	284	710	166
HDAC10	PCPG	HA_e	223	281	192	696	167
DNMT3B	PCPG	DM_w	260	69	366	695	168
HR	PCPG	HM_e	205	271	218	694	169
MECOM	PCPG	Others	166	257	271	694	170
HDAC11	PCPG	HA_e	222	280	191	693	171
TDRD10	PCPG	Others	39	420	233	692	172
FBXO17	PCPG	Others	244	287	160	691	173
KDM4C	PCPG	HM_e	183	262	245	690	174
FBXW9	PCPG	Others	242	286	158	686	175
PRDM15	PCPG	HM_w	114	235	336	685	176
RING1	PCPG	Others	94	228	361	683	177
FMR1	PCPG	Others	238	69	375	682	178
AEBP2	PCPG	HM_w	312	327	42	681	179
FBXL19	PCPG	Others	245	69	365	679	180
KDM5A	PCPG	HM_e	364	69	243	676	181
PHC2	PCPG	ChRC	139	403	134	676	182
SIRT6	PCPG	HA_e	69	371	236	676	183
ARID4A	PCPG	ChRC	306	324	42	672	184
BAZ1A	PCPG	HA_r	296	69	307	672	185
ASH2L	PCPG	HM_w	304	323	42	669	186

GTF2H1	PCPG	Others	229	283	157	669	187
JADE2	PCPG	Others	412	69	188	669	188
HNF1A	PCPG	ChRC	206	272	190	668	189
PHF14	PCPG	Others	133	243	292	668	190
TDRD7	PCPG	Others	320	69	279	668	191
SETD1B	PCPG	HM_w	85	222	360	667	192
HDAC4	PCPG	HA_e	376	69	220	665	193
BRD8	PCPG	HA_r	289	69	306	664	194
ATAD2B	PCPG	HA_r	300	320	42	662	195
FKBP1A	PCPG	Others	241	69	351	661	196
PRDM14	PCPG	HM_w	115	338	207	660	197
TDRD9	PCPG	Others	319	196	144	659	198
L3MBTL2	PCPG	Others	174	69	414	657	199
NCOA3	PCPG	HA_w	405	69	183	657	200
SETD6	PCPG	HM_w	81	372	202	655	201
GATAD2A	PCPG	HM_r	233	69	350	652	202
SSRP1	PCPG	Others	48	204	398	650	203
BRD2	PCPG	HA_r	292	312	42	646	204
STK31	PCPG	Others	47	203	395	645	205
EHMT1	PCPG	HM_w	381	69	193	643	206
ACTL6B	PCPG	ChRC	313	69	259	641	207
MLLT6	PCPG	HM_w	420	69	149	638	208
BRD4	PCPG	HA_r	290	69	277	636	209
TDRD5	PCPG	Others	36	401	199	636	210
BRWD1	PCPG	HA_r	285	308	42	635	211
HDAC9	PCPG	HA_e	216	69	348	633	212
KAT8	PCPG	HA_w	191	69	371	631	213
PAXIP1	PCPG	Others	351	69	211	631	214
PHF7	PCPG	Others	348	238	42	628	215
TET2	PCPG	DM_e	32	329	263	624	216
HCFC1	PCPG	Others	225	69	329	623	217
KDM7A	PCPG	HM_e	179	69	370	618	218
EZH2	PCPG	HM_w	246	69	301	616	219
KMT2D	PCPG	HM_w	360	69	186	615	220
PHF5A	PCPG	Others	124	69	422	615	221

KAT2B	PCPG	HA_w	195	266	153	614	222
NCOR2	PCPG	Others	151	250	213	614	223
CHD8	PCPG	Helicases	269	301	42	612	224
UBE2E1	PCPG	Others	24	194	394	612	225
PRDM8	PCPG	HM_w	109	233	269	611	226
CREBBP	PCPG	HA_w	265	69	276	610	227
HIST1H1B	PCPG	Others	210	275	121	606	228
G2E3	PCPG	Others	236	69	300	605	229
KDM1B	PCPG	HM_e	189	264	152	605	230
ZCWPW2	PCPG	HM_r	13	426	166	605	231
PRMT1	PCPG	HM_w	403	69	132	604	232
RPA3	PCPG	Others	90	226	288	604	233
HIST1H1C	PCPG	Others	209	274	120	603	234
RAI1	PCPG	Others	402	69	131	602	235
GLYR1	PCPG	HM_r	232	69	299	600	236
HIST1H3B	PCPG	Others	208	273	119	600	237
IDH1	PCPG	DM_e	375	69	156	600	238
SATB1	PCPG	Others	335	223	42	600	239
INTS12	PCPG	Others	198	348	42	588	240
ELP3	PCPG	HA_w	251	291	42	584	241
PCGF1	PCPG	Others	145	69	369	583	242
L3MBTL4	PCPG	Others	172	259	150	581	243
NSD1	PCPG	HM_w	150	249	182	581	244
ERCC5	PCPG	Others	248	289	42	579	245
EZH1	PCPG	HM_w	247	288	42	577	246
KAT7	PCPG	HA_w	192	343	42	577	247
PHF21A	PCPG	HM_r	128	240	209	577	248
MORF4L1	PCPG	HM_r	163	69	343	575	249
SMYD4	PCPG	HM_w	326	207	42	575	250
KDM2A	PCPG	HM_e	188	342	42	572	251
PADI4	PCPG	Others	149	381	42	572	252
SND1	PCPG	HM_r	54	205	313	572	253
ASXL1	PCPG	Others	303	69	198	570	254
IDH2	PCPG	DM_e	203	69	297	569	255
SUPT16H	PCPG	Others	325	202	42	569	256

CHD4	PCPG	Helicases	271	69	226	566	257
PYG02	PCPG	HM_r	98	422	42	562	258
PRMT6	PCPG	HM_w	103	415	42	560	259
TAF1L	PCPG	HA_r	322	69	169	560	260
PHF11	PCPG	Others	136	245	178	559	261
SMARCC1	PCPG	Helicases	64	209	286	559	262
SIN3A	PCPG	ChRC	76	214	265	555	263
PHF13	PCPG	Others	134	378	42	554	264
TP53BP1	PCPG	Others	318	69	167	554	265
PHF19	PCPG	HM_r	132	242	177	551	266
ZMYND8	PCPG	HA_r	315	188	42	545	267
TDRD6	PCPG	Others	35	197	312	544	268
KDM8	PCPG	HM_e	178	69	296	543	269
PAF1	PCPG	Others	148	69	324	541	270
ATRX	PCPG	Helicases	426	69	42	537	271
PCMT1	PCPG	Others	141	69	322	532	272
SCMH1	PCPG	Others	87	402	42	531	273
PHC1	PCPG	ChRC	140	69	321	530	274
BRD7	PCPG	HA_r	416	69	42	527	275
SMYD5	PCPG	HM_w	55	206	264	525	276
RPH3A	PCPG	Others	89	225	205	519	277
SMARCD1	PCPG	Helicases	63	69	385	517	278
HSPBAP1	PCPG	Others	204	270	42	516	279
INO80	PCPG	Helicases	199	69	247	515	280
TDRD1	PCPG	Others	40	330	145	515	281
TDRD3	PCPG	HM_r	37	198	280	515	282
USP22	PCPG	Others	20	69	421	510	283
PRDM1	PCPG	HM_w	120	69	320	509	284
AICDA	PCPG	DM_e	310	69	129	508	285
KAT6B	PCPG	HA_w	193	69	246	508	286
PRDM10	PCPG	HM_w	119	69	319	507	287
HDAC8	PCPG	HA_e	217	69	219	505	288
PRMT7	PCPG	HM_w	102	229	174	505	289
PRMT8	PCPG	HM_w	101	69	335	505	290
SETD4	PCPG	HM_w	83	219	203	505	291

BAZ2B	PCPG	HA_r	393	69	42	504	292
SIN3B	PCPG	ChRC	75	69	359	503	293
KDM4D	PCPG	HM_e	182	69	244	495	294
EPC1	PCPG	Others	379	69	42	490	295
PRKAA1	PCPG	Others	108	337	42	487	296
PRKCD	PCPG	Others	107	232	148	487	297
ING5	PCPG	HM_r	200	69	217	486	298
DPY30	PCPG	Others	254	69	161	484	299
ING3	PCPG	HM_r	373	69	42	484	300
SIRT5	PCPG	HA_e	70	212	201	483	301
POLE3	PCPG	ChRC	122	69	291	482	302
CHD1	PCPG	Helicases	273	69	139	481	303
UHRF1	PCPG	DM_r	22	412	42	476	304
PRDM13	PCPG	HM_w	116	69	290	475	305
CECR2	PCPG	HA_r	276	69	127	472	306
CBX6	PCPG	HM_r	280	69	122	471	307
MBD1	PCPG	DM_r	171	258	42	471	308
USP51	PCPG	Others	18	191	262	471	309
KDM3A	PCPG	HM_e	186	69	215	470	310
MSL3	PCPG	HA_w	161	69	240	470	311
PRDM7	PCPG	HM_w	110	234	124	468	312
MEN1	PCPG	ChRC	165	256	42	463	313
NAP1L3	PCPG	Others	154	69	239	462	314
ZGPAT	PCPG	Others	12	189	260	461	315
ING2	PCPG	HM_r	202	69	189	460	316
PHF6	PCPG	HM_r	349	69	42	460	317
MPHOSPH8	PCPG	HM_r	162	255	42	459	318
PHIP	PCPG	HA_r	347	69	42	458	319
SIRT4	PCPG	HA_e	71	213	172	456	320
RAG2	PCPG	HM_r	97	69	289	455	321
TRIM28	PCPG	HA_r	29	69	356	454	322
SMARCA2	PCPG	Helicases	66	211	171	448	323
SETD1A	PCPG	HM_w	333	69	42	444	324
SHPRH	PCPG	Others	330	69	42	441	325
KDM4E	PCPG	HM_e	181	69	187	437	326

PARP2	PCPG	Others	147	248	42	437	327
SETD7	PCPG	HM_w	80	69	287	436	328
PBRM1	PCPG	HA_r	146	247	42	435	329
SMNDC1	PCPG	Others	59	333	42	434	330
TAF1	PCPG	HA_r	323	69	42	434	331
GTF3C4	PCPG	HA_w	228	69	136	433	332
L3MBTL3	PCPG	Others	173	69	185	427	333
PCGF5	PCPG	Others	143	69	210	422	334
JADE3	PCPG	Others	197	69	155	421	335
PHF12	PCPG	Others	135	244	42	421	336
TCEA1	PCPG	Others	43	332	42	417	337
SMARCD3	PCPG	Helicases	61	69	285	415	338
TCF20	PCPG	Others	42	331	42	415	339
PHF20L1	PCPG	HM_r	129	241	42	412	340
SFMBT2	PCPG	Others	77	69	266	412	341
BMI1	PCPG	ChRC	294	69	42	405	342
PHF21B	PCPG	HM_r	127	69	208	404	343
SP110	PCPG	HA_r	52	69	283	404	344
PHF8	PCPG	Others	123	237	42	402	345
SP140L	PCPG	HA_r	50	69	282	401	346
BRD9	PCPG	HA_r	288	69	42	399	347
POLR2B	PCPG	Others	121	236	42	399	348
RNF217	PCPG	Others	92	69	238	399	349
PCGF2	PCPG	Others	144	69	179	392	350
CBX7	PCPG	HM_r	279	69	42	390	351
TAF3	PCPG	HA_r	44	200	146	390	352
PRMT2	PCPG	HM_w	106	231	42	379	353
PRMT3	PCPG	HM_w	105	230	42	377	354
PYGO1	PCPG	HM_r	99	69	206	374	355
TRIM66	PCPG	HA_r	27	69	278	374	356
SMARCA1	PCPG	Helicases	67	69	235	371	357
TRIM24	PCPG	HA_r	30	195	142	367	358
PRDM11	PCPG	HM_w	118	69	176	363	359
EP300	PCPG	HA_w	250	69	42	361	360
EPC2	PCPG	Others	249	69	42	360	361

SCML4	PCPG	Others	86	69	204	359	362
PRDM5	PCPG	HM_w	112	69	175	356	363
SETD3	PCPG	HM_w	84	220	42	346	364
TDG	PCPG	ChRC	41	69	234	344	365
ZCWPW1	PCPG	HM_r	14	69	261	344	366
SETD5	PCPG	HM_w	82	218	42	342	367
SETMAR	PCPG	HM_w	79	216	42	337	368
SFMBT1	PCPG	HM_r	78	215	42	335	369
TET1	PCPG	DM_e	33	69	232	334	370
HDAC3	PCPG	HA_e	221	69	42	332	371
SP140	PCPG	HA_r	51	69	200	320	372
HLTF	PCPG	Others	207	69	42	318	373
SIRT2	PCPG	HA_e	73	69	173	315	374
ING4	PCPG	HM_r	201	69	42	312	375
PRDM12	PCPG	HM_w	117	69	125	311	376
KDM3B	PCPG	HM_e	185	69	42	296	377
SP100	PCPG	HA_r	53	69	170	292	378
KDM5D	PCPG	HM_e	180	69	42	291	379
KIAA2026	PCPG	Others	177	69	42	288	380
SIRT3	PCPG	HA_e	72	69	147	288	381
KMT2B	PCPG	HM_w	176	69	42	287	382
RBBP7	PCPG	ChRC	95	69	123	287	383
KMT2E	PCPG	HM_w	175	69	42	286	384
MBD4	PCPG	DM_r	168	69	42	279	385
MLLT10	PCPG	HM_w	164	69	42	275	386
TDRD12	PCPG	Others	38	69	168	275	387
SIRT1	PCPG	HA_e	74	69	130	273	388
MTA3	PCPG	ChRC	158	69	42	269	389
NCOR1	PCPG	ChRC	152	69	42	263	390
UHRF2	PCPG	DM_r	21	193	42	256	391
USP27X	PCPG	Others	19	192	42	253	392
PHF10	PCPG	Others	137	69	42	248	393
WDR82	PCPG	Others	15	190	42	247	394
TET3	PCPG	DM_e	31	69	143	243	395
PHF2	PCPG	Others	131	69	42	242	396

PHF20	PCPG	HM_r	130	69	42	241	397
SMYD1	PCPG	HM_w	58	69	114	241	398
PHF3	PCPG	Others	125	69	42	236	399
UBE2A	PCPG	Others	26	69	141	236	400
PRDM4	PCPG	HM_w	113	69	42	224	401
PRDM6	PCPG	HM_w	111	69	42	222	402
PRMT5	PCPG	HM_w	104	69	42	215	403
PSIP1	PCPG	HM_r	100	69	42	211	404
RNF40	PCPG	Others	91	69	42	202	405
RTF1	PCPG	Others	88	69	42	199	406
SMARCA5	PCPG	Helicases	65	69	42	176	407
SMARCE1	PCPG	Helicases	60	69	42	171	408
SRCAP	PCPG	Others	49	69	42	160	409
SUV39H2	PCPG	HM_w	46	69	42	157	410
SUZ12	PCPG	ChRC	45	69	42	156	411
UBE2B	PCPG	Others	25	69	42	136	412
UBE2I	PCPG	Others	23	69	42	134	413
UTY	PCPG	HM_e	17	69	42	128	414
WDR5	PCPG	ChRC	16	69	42	127	415
ZMYND11	PCPG	HA_r	11	69	42	122	416
CHD1	PRAD	Helicases	411	416	408	1235	1
HDAC2	PRAD	HA_e	385	421	417	1223	2
IWS1	PRAD	Others	383	398	420	1201	3
FXR2	PRAD	Others	342	410	424	1176	4
ATAD2	PRAD	HA_r	346	405	416	1167	5
ARID4B	PRAD	ChRC	393	374	364	1131	6
ATR	PRAD	Others	373	366	385	1124	7
KAT6A	PRAD	HA_w	339	412	370	1121	8
MBD4	PRAD	DM_r	306	385	415	1106	9
PHF3	PRAD	Others	379	335	387	1101	10
PRDM14	PRAD	HM_w	295	399	405	1099	11
HLTF	PRAD	Others	340	369	388	1097	12
PHC3	PRAD	ChRC	298	389	401	1088	13
ACTL6A	PRAD	ChRC	272	387	409	1068	14
KDM2A	PRAD	HM_e	310	359	397	1066	15

ASH1L	PRAD	HM_w	420	340	305	1065	16
ATF7IP	PRAD	Others	374	392	276	1042	17
CHD7	PRAD	Helicases	403	397	231	1031	18
BRD3	PRAD	HA_r	321	303	406	1030	19
ASH2L	PRAD	HM_w	188	415	425	1028	20
ERCC5	PRAD	Others	255	361	412	1028	21
MBD1	PRAD	DM_r	335	271	419	1025	22
RNF20	PRAD	Others	352	265	407	1024	23
ELP3	PRAD	HA_w	174	418	426	1018	24
INO80	PRAD	Helicases	364	348	302	1014	25
CREBBP	PRAD	HA_w	410	249	354	1013	26
EP400	PRAD	HA_w	426	299	287	1012	27
HDAC5	PRAD	HA_e	341	401	268	1010	28
CHRA1	PRAD	ChRC	179	403	421	1003	29
KMT2C	PRAD	HM_w	425	324	244	993	30
ATM	PRAD	Others	423	380	175	978	31
NCOA3	PRAD	HA_w	408	210	356	974	32
TDRKH	PRAD	Others	278	314	378	970	33
DIDO1	PRAD	Others	416	192	361	969	34
SETDB1	PRAD	HM_w	286	284	396	966	35
BAZ1B	PRAD	HA_r	371	254	337	962	36
KMT2A	PRAD	HM_w	402	358	200	960	37
ASXL1	PRAD	Others	392	229	338	959	38
ASXL2	PRAD	Others	347	351	257	955	39
MECOM	PRAD	Others	401	384	169	954	40
BAZ2B	PRAD	HA_r	397	395	161	953	41
KAT6B	PRAD	HA_w	362	364	226	952	42
CHD9	PRAD	Helicases	368	377	206	951	43
AKAP1	PRAD	Others	375	305	259	939	44
AURKB	PRAD	Others	267	391	274	932	45
ZCWPW1	PRAD	HM_r	275	309	347	931	46
TCEA1	PRAD	Others	104	396	423	923	47
KAT7	PRAD	HA_w	242	272	403	917	48
CHD1L	PRAD	Helicases	318	222	374	914	49
KAT5	PRAD	HA_w	243	326	345	914	50

LBR	PRAD	Others	307	357	243	907	51
HDGFL1	PRAD	Others	246	339	320	905	52
CHAF1A	PRAD	ChRC	390	223	290	903	53
PAXIP1	PRAD	Others	300	208	394	902	54
TDRD1	PRAD	Others	279	279	340	898	55
BRD7	PRAD	HA_r	88	379	422	889	56
PPARGC1A	PRAD	Others	355	290	240	885	57
BOP 1	PRAD	Others	89	400	395	884	58
PRKAA2	PRAD	Others	353	334	194	881	59
KDM6B	PRAD	HM_e	337	409	133	879	60
EHMT1	PRAD	HM_w	175	300	399	874	61
RPS6KA5	PRAD	Others	290	286	297	873	62
HDGF	PRAD	Others	156	327	389	872	63
PHF20L1	PRAD	HM_r	46	408	418	872	64
TCF20	PRAD	Others	394	198	277	869	65
GLYR1	PRAD	HM_r	250	219	398	867	66
PHF11	PRAD	Others	48	426	393	867	67
CHD3	PRAD	Helicases	417	406	42	865	68
TET3	PRAD	DM_e	327	278	260	865	69
DPF2	PRAD	Others	176	329	353	858	70
HDAC6	PRAD	HA_e	312	188	358	858	71
BPTF	PRAD	HA_r	370	253	233	856	72
PRDM15	PRAD	HM_w	215	289	352	856	73
HELLS	PRAD	Helicases	155	386	312	853	74
HIF1AN	PRAD	Others	72	376	402	850	75
BRD9	PRAD	HA_r	266	195	384	845	76
CBX4	PRAD	HM_r	345	226	272	843	77
CHD4	PRAD	Helicases	405	251	185	841	78
SSRP1	PRAD	Others	329	132	380	841	79
SND1	PRAD	HM_r	106	316	410	832	80
ARID1A	PRAD	ChRC	412	230	189	831	81
BRWD1	PRAD	HA_r	369	417	42	828	82
NCOR1	PRAD	ChRC	419	269	136	824	83
PRDM7	PRAD	HM_w	294	411	119	824	84
CXXC1	PRAD	Others	259	274	289	822	85

PRDM5	PRAD	HM_w	214	383	220	817	86
BRPF1	PRAD	HA_r	396	378	42	816	87
GTF3C4	PRAD	HA_w	248	298	269	815	88
EED	PRAD	ChRC	257	173	383	813	89
BAZ1A	PRAD	HA_r	322	196	292	810	90
HNF1A	PRAD	ChRC	365	69	372	806	91
PRDM2	PRAD	HM_w	332	207	262	801	92
TET2	PRAD	DM_e	194	313	294	801	93
PRDM12	PRAD	HM_w	216	321	263	800	94
IDH1	PRAD	DM_e	384	187	228	799	95
TAF3	PRAD	HA_r	280	281	235	796	96
KANSL1	PRAD	HA_w	363	390	42	795	97
DNMT3B	PRAD	DM_w	388	69	336	793	98
KMT2D	PRAD	HM_w	424	169	199	792	99
PHC1	PRAD	ChRC	299	323	168	790	100
PHIP	PRAD	HA_r	333	413	42	788	101
WDR5	PRAD	ChRC	97	277	414	788	102
PADI6	PRAD	Others	380	183	222	785	103
SCML2	PRAD	HM_r	124	331	330	785	104
TDRD7	PRAD	Others	100	315	367	782	105
TP53BP1	PRAD	Others	398	342	42	782	106
RNF17	PRAD	Others	331	344	106	781	107
GATAD2A	PRAD	HM_r	252	146	382	780	108
KIAA2026	PRAD	Others	409	325	42	776	109
POLE3	PRAD	ChRC	43	322	411	776	110
SMARCA1	PRAD	Helicases	399	69	308	776	111
KDM6A	PRAD	HM_e	422	69	283	774	112
PYGO2	PRAD	HM_r	34	333	404	771	113
DAXX	PRAD	ChRC	316	149	304	769	114
BRWD3	PRAD	HA_r	319	174	273	766	115
PRDM16	PRAD	HM_w	354	69	343	766	116
CLOCK	PRAD	HA_w	260	250	255	765	117
USP22	PRAD	Others	276	311	177	764	118
NSD1	PRAD	HM_w	357	209	195	761	119
KDM7A	PRAD	HM_e	324	69	365	758	120

HCFC1	PRAD	Others	366	69	322	757	121
SIRT5	PRAD	HA_e	203	202	351	756	122
MEN1	PRAD	ChRC	305	69	381	755	123
PBRM1	PRAD	HA_r	334	241	179	754	124
CBX3	PRAD	HM_r	86	252	413	751	125
PRMT3	PRAD	HM_w	293	139	318	750	126
DNMT3A	PRAD	DM_w	367	69	313	749	127
ARID2	PRAD	ChRC	421	69	258	748	128
DOT1L	PRAD	HM_w	387	221	140	748	129
KAT2A	PRAD	HA_w	148	373	227	748	130
SMARCA2	PRAD	Helicases	351	353	42	746	131
CECR2	PRAD	HA_r	344	194	207	745	132
JADE2	PRAD	Others	348	69	326	743	133
TRIM33	PRAD	HA_r	376	177	190	743	134
CBX8	PRAD	ChRC	262	224	256	742	135
SETD2	PRAD	HM_w	414	285	42	741	136
SMARCD2	PRAD	Helicases	200	234	307	741	137
CTCF	PRAD	Others	317	381	42	740	138
CBX1	PRAD	HM_r	87	276	375	738	139
GADD45A	PRAD	Others	75	360	303	738	140
SMYD2	PRAD	HM_w	199	261	278	738	141
BRD1	PRAD	HA_r	391	304	42	737	142
TET1	PRAD	DM_e	350	69	315	734	143
ZMYND8	PRAD	HA_r	326	69	339	734	144
EPC1	PRAD	Others	256	247	230	733	145
MBD3	PRAD	DM_r	235	186	310	731	146
RSF1	PRAD	ChRC	208	204	317	729	147
JADE3	PRAD	Others	273	69	386	728	148
BRDT	PRAD	HA_r	265	350	111	726	149
PCGF5	PRAD	Others	51	393	282	726	150
PYGO1	PRAD	HM_r	128	266	332	726	151
AIRE	PRAD	HM_r	91	258	376	725	152
PHF7	PRAD	Others	133	237	355	725	153
NAP1L1	PRAD	Others	230	270	224	724	154
TRIM28	PRAD	HA_r	349	69	306	724	155

AFF4	PRAD	Others	92	306	325	723	156
CARM1	PRAD	HM_w	181	151	390	722	157
CBX2	PRAD	ChRC	263	227	232	722	158
CDYL	PRAD	HM_r	261	275	186	722	159
BRD2	PRAD	HA_r	183	175	363	721	160
L3MBTL1	PRAD	HM_r	309	213	198	720	161
AICDA	PRAD	DM_e	269	341	108	718	162
ATRX	PRAD	Helicases	372	69	275	716	163
TDG	PRAD	ChRC	103	280	327	710	164
HDAC10	PRAD	HA_e	160	297	252	709	165
RBBP7	PRAD	ChRC	33	332	342	707	166
ARID1B	PRAD	ChRC	407	257	42	706	167
PARP1	PRAD	Others	301	363	42	706	168
UBE2B	PRAD	Others	15	312	377	704	169
KDM1A	PRAD	HM_e	241	215	246	702	170
SETD5	PRAD	HM_w	287	372	42	701	171
PHRF1	PRAD	Others	297	69	333	699	172
FKBP5	PRAD	Others	167	246	285	698	173
GTF2B	PRAD	Others	165	349	184	698	174
HDAC11	PRAD	HA_e	159	217	321	697	175
HR	PRAD	HM_e	153	425	118	696	176
MSL3	PRAD	HA_w	57	292	344	693	177
RPH3A	PRAD	Others	291	287	114	692	178
PRMT7	PRAD	HM_w	131	388	167	686	179
SCML4	PRAD	Others	123	422	141	686	180
AFF1	PRAD	Others	323	69	293	685	181
MBTD1	PRAD	Others	58	293	334	685	182
SMARCA4	PRAD	Helicases	202	133	350	685	183
ACTL6B	PRAD	ChRC	271	308	105	684	184
MBD5	PRAD	DM_r	234	407	42	683	185
PRDM8	PRAD	HM_w	395	69	219	683	186
ING4	PRAD	HM_r	66	242	371	679	187
PHF21B	PRAD	HM_r	219	336	123	678	188
RING1	PRAD	Others	209	138	331	678	189
GTF2F1	PRAD	Others	249	69	359	677	190

FBXO44	PRAD	Others	169	220	286	675	191
SETD1A	PRAD	HM_w	288	69	316	673	192
SUPT16H	PRAD	Others	282	155	236	673	193
UBE2E1	PRAD	Others	14	259	400	673	194
ASXL3	PRAD	Others	268	256	146	670	195
CDYL2	PRAD	HM_r	82	414	174	670	196
SIRT7	PRAD	HA_e	111	263	295	669	197
DPY30	PRAD	Others	79	301	288	668	198
G2E3	PRAD	Others	253	69	346	668	199
EZH1	PRAD	HM_w	254	371	42	667	200
PHF23	PRAD	HM_r	218	404	42	664	201
RAI1	PRAD	Others	377	69	217	663	202
SRCAP	PRAD	Others	413	69	178	660	203
JMJD6	PRAD	HM_e	64	294	301	659	204
JARID2	PRAD	ChRC	150	171	335	656	205
HDAC4	PRAD	HA_e	158	245	251	654	206
NAP1L2	PRAD	Others	139	142	369	650	207
SETMAR	PRAD	HM_w	117	317	216	650	208
TAF1L	PRAD	HA_r	418	69	162	649	209
PRDM10	PRAD	HM_w	296	69	279	644	210
SIRT6	PRAD	HA_e	112	201	328	641	211
DMAP1	PRAD	Others	178	148	314	640	212
PRKCD	PRAD	Others	36	236	368	640	213
DNMT1	PRAD	DM_w	315	69	254	638	214
RAG2	PRAD	HM_r	211	319	107	637	215
PHF2	PRAD	Others	356	238	42	636	216
JMJD1C	PRAD	HM_e	382	69	181	632	217
FBXW9	PRAD	Others	168	191	270	629	218
SMARCC1	PRAD	Helicases	109	283	237	629	219
UBE2I	PRAD	Others	193	69	366	628	220
HIST1H1C	PRAD	Others	70	243	311	624	221
CHD6	PRAD	Helicases	404	69	150	623	222
GATAD2B	PRAD	HM_r	251	328	42	621	223
H3F3A	PRAD	Others	73	365	183	621	224
ORC1	PRAD	Others	138	355	128	621	225

PWWP2B	PRAD	Others	212	267	142	621	226
AEBP2	PRAD	HM_w	270	307	42	619	227
NCOA1	PRAD	HA_w	229	167	223	619	228
EPC2	PRAD	Others	172	402	42	616	229
SMARCD1	PRAD	Helicases	108	158	349	615	230
EZH2	PRAD	HM_w	171	69	373	613	231
MLLT10	PRAD	HM_w	358	212	42	612	232
CHAF1B	PRAD	ChRC	180	69	362	611	233
TDRD6	PRAD	Others	328	69	213	610	234
PHF14	PRAD	Others	221	69	319	609	235
HDAC1	PRAD	HA_e	161	218	229	608	236
PHF1	PRAD	HM_r	224	141	241	606	237
H2AFZ	PRAD	Others	163	189	253	605	238
KDM2B	PRAD	HM_e	361	69	172	602	239
CBX5	PRAD	HM_r	85	225	291	601	240
HIST1H3B	PRAD	Others	245	216	139	600	241
FBXL19	PRAD	Others	170	69	360	599	242
CHD2	PRAD	Helicases	406	150	42	598	243
KDM5A	PRAD	HM_e	359	69	170	598	244
PHF20	PRAD	HM_r	220	69	309	598	245
SMYD5	PRAD	HM_w	23	232	341	596	246
PHF12	PRAD	Others	135	180	280	595	247
UHRF2	PRAD	DM_r	191	362	42	595	248
SFMBT1	PRAD	HM_r	206	264	124	594	249
PCGF1	PRAD	Others	52	240	300	592	250
PRDM1	PRAD	HM_w	42	423	127	592	251
RTF1	PRAD	Others	207	343	42	592	252
FKBP1A	PRAD	Others	77	190	324	591	253
PADI3	PRAD	Others	303	166	120	589	254
EHMT2	PRAD	HM_w	314	69	205	588	255
PRDM9	PRAD	HM_w	415	69	104	588	256
RNF40	PRAD	Others	126	69	392	587	257
UBR7	PRAD	Others	192	352	42	586	258
SETDB2	PRAD	HM_w	118	424	42	584	259
SMARCE1	PRAD	Helicases	107	262	215	584	260

MARCH5	PRAD	Others	143	394	42	579	261
SUV39H1	PRAD	HM_w	22	178	379	579	262
CHD8	PRAD	Helicases	343	193	42	578	263
KDM4B	PRAD	HM_e	338	69	171	578	264
SIRT3	PRAD	HA_e	114	134	329	577	265
EP300	PRAD	HA_w	386	147	42	575	266
PHC2	PRAD	ChRC	225	69	281	575	267
SHPRH	PRAD	Others	330	203	42	575	268
CHD5	PRAD	Helicases	389	69	116	574	269
HAT1	PRAD	HA_w	162	370	42	574	270
KDM5B	PRAD	HM_e	238	69	266	573	271
BAZ2A	PRAD	HA_r	185	176	208	569	272
PRDM13	PRAD	HM_w	40	420	109	569	273
SIN3B	PRAD	ChRC	204	69	296	569	274
TDRD10	PRAD	Others	102	330	134	566	275
MTA1	PRAD	ChRC	231	69	265	565	276
HDAC9	PRAD	HA_e	311	69	182	562	277
MSH6	PRAD	HM_r	304	211	42	557	278
KDM4C	PRAD	HM_e	145	368	42	555	279
KDM3A	PRAD	HM_e	240	69	245	554	280
GADD45B	PRAD	Others	74	273	203	550	281
PRDM11	PRAD	HM_w	41	354	155	550	282
RNF217	PRAD	Others	31	382	135	548	283
HIRA	PRAD	Others	154	244	149	547	284
DNMT3L	PRAD	DM_w	177	248	121	546	285
PADI1	PRAD	Others	228	185	132	545	286
SP140L	PRAD	HA_r	283	69	192	544	287
L3MBTL3	PRAD	Others	237	168	138	543	288
MLLT6	PRAD	HM_w	232	69	242	543	289
PHF19	PRAD	HM_r	47	337	157	541	290
HIST1H1B	PRAD	Others	71	296	173	540	291
PADI2	PRAD	Others	227	184	125	536	292
PRMT8	PRAD	HM_w	130	288	117	535	293
BRPF3	PRAD	HA_r	264	228	42	534	294
MBD2	PRAD	DM_r	59	338	137	534	295

MPHOSPH8	PRAD	HM_r	141	347	42	530	296
PRMT6	PRAD	HM_w	132	179	218	529	297
SETD6	PRAD	HM_w	120	367	42	529	298
ATAD2B	PRAD	HA_r	187	153	187	527	299
MECP2	PRAD	DM_r	233	69	225	527	300
HDAC8	PRAD	HA_e	247	69	202	518	301
SP110	PRAD	HA_r	197	156	163	516	302
PHF8	PRAD	Others	217	140	156	513	303
SATB1	PRAD	Others	125	235	153	513	304
STK31	PRAD	Others	105	282	126	513	305
PHF13	PRAD	Others	222	69	221	512	306
NCOR2	PRAD	Others	400	69	42	511	307
PADI4	PRAD	Others	302	165	42	509	308
PCGF2	PRAD	Others	136	69	299	504	309
PHF10	PRAD	Others	223	239	42	504	310
ZCWPW2	PRAD	HM_r	95	197	210	502	311
PRKAA1	PRAD	Others	37	163	298	498	312
TCF19	PRAD	Others	195	69	234	498	313
DPF3	PRAD	HA_r	80	302	115	497	314
PRMT5	PRAD	HM_w	292	162	42	496	315
ING2	PRAD	HM_r	68	69	357	494	316
KMT2E	PRAD	HM_w	381	69	42	492	317
PSIP1	PRAD	HM_r	129	320	42	491	318
JADE1	PRAD	Others	274	69	147	490	319
RPA3	PRAD	Others	30	69	391	490	320
POLR2B	PRAD	Others	378	69	42	489	321
INTS12	PRAD	Others	151	295	42	488	322
JMJD8	PRAD	HM_e	149	69	267	485	323
BAP1	PRAD	Others	186	255	42	483	324
SETD3	PRAD	HM_w	122	318	42	482	325
TDRD3	PRAD	HM_r	18	419	42	479	326
HDAC7	PRAD	HA_e	157	69	250	476	327
PAF1	PRAD	Others	226	69	180	475	328
ING1	PRAD	HM_r	244	69	160	473	329
MTA2	PRAD	ChRC	140	69	264	473	330

KDM3B	PRAD	HM_e	360	69	42	471	331
SUZ12	PRAD	ChRC	20	260	191	471	332
FKBP2	PRAD	Others	76	69	323	468	333
SCMH1	PRAD	Others	289	137	42	468	334
PARP2	PRAD	Others	137	182	148	467	335
PCGF6	PRAD	Others	50	375	42	467	336
L3MBTL4	PRAD	Others	236	69	158	463	337
WDR82	PRAD	Others	190	231	42	463	338
KDM1B	PRAD	HM_e	146	170	143	459	339
MTF2	PRAD	HM_r	55	356	42	453	340
YY1	PRAD	ChRC	96	310	42	448	341
KMT2B	PRAD	HM_w	336	69	42	447	342
ARID4A	PRAD	ChRC	189	69	188	446	343
SETD4	PRAD	HM_w	121	159	166	446	344
SIRT4	PRAD	HA_e	113	69	261	443	345
SMARCC2	PRAD	Helicases	201	200	42	443	346
SFMBT2	PRAD	Others	205	69	164	438	347
DPF1	PRAD	ChRC	258	69	110	437	348
KDM5D	PRAD	HM_e	325	69	42	436	349
PRMT1	PRAD	HM_w	213	69	154	436	350
SUV39H2	PRAD	HM_w	21	199	214	434	351
PHF21A	PRAD	HM_r	45	346	42	433	352
UBE2A	PRAD	Others	16	69	348	433	353
BRD4	PRAD	HA_r	320	69	42	431	354
RNF2	PRAD	ChRC	32	160	239	431	355
KDM4A	PRAD	HM_e	239	145	42	426	356
PRDM6	PRAD	HM_w	38	345	42	425	357
HDAC3	PRAD	HA_e	313	69	42	424	358
CBX7	PRAD	HM_r	83	69	271	423	359
SIRT2	PRAD	HA_e	115	69	238	422	360
SETD7	PRAD	HM_w	119	136	165	420	361
L3MBTL2	PRAD	Others	308	69	42	419	362
KDM4D	PRAD	HM_e	62	69	284	415	363
KDM4E	PRAD	HM_e	144	69	201	414	364
RBBP5	PRAD	ChRC	210	161	42	413	365

SIRT1	PRAD	HA_e	285	69	42	396	366
SP140	PRAD	HA_r	196	69	131	396	367
SMARCA5	PRAD	Helicases	284	69	42	395	368
TAF1	PRAD	HA_r	281	69	42	392	369
MTA3	PRAD	ChRC	56	291	42	389	370
UHRF1	PRAD	DM_r	277	69	42	388	371
IDH2	PRAD	DM_e	69	69	249	387	372
ING5	PRAD	HM_r	65	69	248	382	373
KAT8	PRAD	HA_w	63	69	247	379	374
TRIM24	PRAD	HA_r	98	69	212	379	375
BMI1	PRAD	ChRC	184	152	42	378	376
GTF2H1	PRAD	Others	164	172	42	378	377
KAT2B	PRAD	HA_w	147	69	159	375	378
RBBP4	PRAD	ChRC	127	205	42	374	379
ZGPAT	PRAD	Others	94	69	209	372	380
FBXO17	PRAD	Others	78	69	204	351	381
PRDM4	PRAD	HM_w	39	268	42	349	382
PHF5A	PRAD	Others	134	164	42	340	383
ATAT1	PRAD	Others	90	69	176	335	384
MORF4L1	PRAD	HM_r	142	143	42	327	385
TDRD5	PRAD	Others	101	69	151	321	386
MUM1	PRAD	Others	54	69	197	320	387
NAP1L3	PRAD	Others	53	69	196	318	388
KDM8	PRAD	HM_e	60	214	42	316	389
SP100	PRAD	HA_r	198	69	42	309	390
SMYD4	PRAD	HM_w	24	233	42	299	391
CBX6	PRAD	HM_r	84	69	145	298	392
TRIM66	PRAD	HA_r	17	69	211	297	393
CSTL1	PRAD	Others	81	69	144	294	394
BRD8	PRAD	HA_r	182	69	42	293	395
SIN3A	PRAD	ChRC	116	135	42	293	396
SMARCD3	PRAD	Helicases	28	69	193	290	397
TDRD9	PRAD	Others	99	69	122	290	398
TDRD12	PRAD	Others	19	154	112	285	399
ELP4	PRAD	HA_w	173	69	42	284	400

PRMT2	PRAD	HM_w	35	206	42	283	401
FMR1	PRAD	Others	166	69	42	277	402
USP51	PRAD	Others	12	131	130	273	403
PCMT1	PRAD	Others	49	181	42	272	404
ING3	PRAD	HM_r	67	69	129	265	405
HSPBAP1	PRAD	Others	152	69	42	263	406
KDM5C	PRAD	HM_e	61	144	42	247	407
SMYD3	PRAD	HM_w	25	69	152	246	408
SMNDC1	PRAD	Others	27	157	42	226	409
SMARCB1	PRAD	Helicases	110	69	42	221	410
SMYD1	PRAD	HM_w	26	69	113	208	411
ZMYND11	PRAD	HA_r	93	69	42	204	412
PHF6	PRAD	HM_r	44	69	42	155	413
SETD1B	PRAD	HM_w	29	69	42	140	414
USP27X	PRAD	Others	13	69	42	124	415
UTY	PRAD	HM_e	11	69	42	122	416
KDM5C	SARC	HM_e	418	370	418	1206	1
CHAF1A	SARC	ChRC	409	395	392	1196	2
BRD9	SARC	HA_r	351	418	422	1191	3
ASH1L	SARC	HM_w	421	404	353	1178	4
KDM4B	SARC	HM_e	403	408	357	1168	5
DNMT1	SARC	DM_w	346	409	412	1167	6
NCOR1	SARC	ChRC	328	426	411	1165	7
SCML2	SARC	HM_r	397	355	393	1145	8
RAI1	SARC	Others	316	425	394	1135	9
ATRX	SARC	Helicases	426	423	281	1130	10
SETDB1	SARC	HM_w	311	407	383	1101	11
ERCC5	SARC	Others	342	332	426	1100	12
RBBP7	SARC	ChRC	315	358	414	1087	13
GATAD2A	SARC	HM_r	383	275	420	1078	14
BPTF	SARC	HA_r	353	375	348	1076	15
PHF20L1	SARC	HM_r	325	345	396	1066	16
HDGF	SARC	Others	253	386	425	1064	17
EP400	SARC	HA_w	384	364	313	1061	18
CBX8	SARC	ChRC	389	335	326	1050	19

BAZ2A	SARC	HA_r	410	282	349	1041	20
PCMT1	SARC	Others	217	400	423	1040	21
KDM3A	SARC	HM_e	378	347	308	1033	22
ATAD2	SARC	HA_r	288	389	351	1028	23
HDAC6	SARC	HA_e	341	318	366	1025	24
AURKB	SARC	Others	286	367	369	1022	25
ARID1B	SARC	ChRC	412	351	258	1021	26
KMT2C	SARC	HM_w	417	328	272	1017	27
NCOR2	SARC	Others	374	267	373	1014	28
CHD6	SARC	Helicases	407	320	277	1004	29
PAF1	SARC	Others	221	392	390	1003	30
PYGO2	SARC	HM_r	201	381	419	1001	31
HDAC7	SARC	HA_e	255	363	377	995	32
HIRA	SARC	Others	250	385	358	993	33
CARM1	SARC	HM_w	162	410	417	989	34
PRKAA1	SARC	Others	206	391	388	985	35
KDM5A	SARC	HM_e	237	371	375	983	36
CHD1L	SARC	Helicases	274	415	278	967	37
PRKAA2	SARC	Others	319	382	266	967	38
CHD2	SARC	Helicases	408	366	187	961	39
BAZ1A	SARC	HA_r	284	308	368	960	40
SIRT2	SARC	HA_e	192	380	387	959	41
GATAD2B	SARC	HM_r	136	412	405	953	42
MBD3	SARC	DM_r	331	417	201	949	43
CHD7	SARC	Helicases	419	334	185	938	44
CHD8	SARC	Helicases	387	190	360	937	45
CHRA1	SARC	ChRC	156	374	407	937	46
MECOM	SARC	Others	375	327	224	926	47
KAT6A	SARC	HA_w	241	316	365	922	48
SETD5	SARC	HM_w	312	288	320	920	49
SMARCA5	SARC	Helicases	308	285	327	920	50
CREBBP	SARC	HA_w	405	189	325	919	51
PRDM2	SARC	HM_w	368	219	330	917	52
RSF1	SARC	ChRC	314	314	288	916	53
ING1	SARC	HM_r	245	361	309	915	54

CBX3	SARC	HM_r	159	349	399	907	55
GTF2F1	SARC	Others	135	387	385	907	56
BRD8	SARC	HA_r	390	280	234	904	57
SUV39H1	SARC	HM_w	182	311	408	901	58
BRPF1	SARC	HA_r	164	321	415	900	59
ARID2	SARC	ChRC	394	309	191	894	60
ASH2L	SARC	HM_w	169	390	335	894	61
HDAC9	SARC	HA_e	254	362	274	890	62
DNMT3B	SARC	DM_w	345	157	386	888	63
BRD4	SARC	HA_r	165	322	400	887	64
KMT2A	SARC	HM_w	402	329	156	887	65
ASXL1	SARC	Others	289	245	352	886	66
HDAC1	SARC	HA_e	258	302	324	884	67
ATM	SARC	Others	424	350	108	882	68
SIRT3	SARC	HA_e	309	287	285	881	69
GTF2B	SARC	Others	260	274	346	880	70
AEBP2	SARC	HM_w	291	352	235	878	71
SP140	SARC	HA_r	413	378	85	876	72
KMT2E	SARC	HM_w	376	269	225	870	73
CXXC1	SARC	Others	348	188	333	869	74
PRDM9	SARC	HM_w	398	413	57	868	75
BOP 1	SARC	Others	166	338	361	865	76
PBRM1	SARC	HA_r	371	224	269	864	77
ING2	SARC	HM_r	380	348	135	863	78
UBE2I	SARC	Others	296	203	362	861	79
USP22	SARC	Others	16	424	421	861	80
ATR	SARC	Others	411	194	255	860	81
G2E3	SARC	Others	138	319	398	855	82
ATF7IP	SARC	Others	287	376	189	852	83
NSD1	SARC	HM_w	327	325	199	851	84
SETD1B	SARC	HM_w	396	212	243	851	85
PHF8	SARC	Others	72	383	395	850	86
ORC1	SARC	Others	87	346	416	849	87
TDRD6	SARC	Others	360	205	283	848	88
KDM6A	SARC	HM_e	104	369	374	847	89

DIDO1	SARC	Others	347	333	165	845	90
L3MBTL3	SARC	Others	332	393	115	840	91
KDM3B	SARC	HM_e	335	300	204	839	92
KANSL1	SARC	HA_w	379	135	323	837	93
DPF2	SARC	Others	344	240	252	836	94
GLYR1	SARC	HM_r	261	238	332	831	95
DPF1	SARC	ChRC	151	365	298	814	96
FBXW9	SARC	Others	142	304	367	813	97
NAP1L1	SARC	Others	90	401	322	813	98
ARID1A	SARC	ChRC	422	246	144	812	99
PPARGC1A	SARC	Others	321	315	174	810	100
SMYD4	SARC	HM_w	306	284	220	810	101
MSL3	SARC	HA_w	93	360	356	809	102
RPH3A	SARC	Others	366	289	152	807	103
SHPRH	SARC	Others	363	399	42	804	104
HDAC2	SARC	HA_e	128	330	345	803	105
HNF1A	SARC	ChRC	404	237	162	803	106
ELP4	SARC	HA_w	148	305	347	800	107
GADD45A	SARC	Others	262	373	164	799	108
SATB1	SARC	Others	365	170	264	799	109
TAF1L	SARC	HA_r	423	252	123	798	110
PHF13	SARC	Others	326	295	175	796	111
PYGO1	SARC	HM_r	317	171	306	794	112
SETD1A	SARC	HM_w	364	102	328	794	113
SIRT7	SARC	HA_e	191	341	261	793	114
MPHOSPH8	SARC	HM_r	228	384	179	791	115
SETDB2	SARC	HM_w	49	422	319	790	116
TDRKH	SARC	Others	25	411	354	790	117
TAF1	SARC	HA_r	361	69	355	785	118
CECR2	SARC	HA_r	425	278	81	784	119
CHD5	SARC	Helicases	420	306	55	781	120
JMJD6	SARC	HM_e	114	372	294	780	121
NCOA3	SARC	HA_w	224	152	403	779	122
BRD2	SARC	HA_r	352	145	280	777	123
KMT2B	SARC	HM_w	333	402	42	777	124

PRDM11	SARC	HM_w	320	262	195	777	125
TDRD12	SARC	Others	300	405	71	776	126
BAZ1B	SARC	HA_r	354	69	350	773	127
PRMT8	SARC	HM_w	318	343	111	772	128
PHF14	SARC	Others	79	359	331	769	129
DOT1L	SARC	HM_w	152	403	212	767	130
CBX5	SARC	HM_r	158	307	300	765	131
PRMT5	SARC	HM_w	64	291	409	764	132
MEN1	SARC	ChRC	231	131	397	759	133
EP300	SARC	HA_w	385	142	231	758	134
HDAC3	SARC	HA_e	257	273	228	758	135
CLOCK	SARC	HA_w	155	243	359	757	136
CBX4	SARC	HM_r	279	336	140	755	137
MBTD1	SARC	Others	232	178	344	754	138
RPA3	SARC	Others	56	356	340	752	139
IDH2	SARC	DM_e	124	317	310	751	140
HCFC1	SARC	Others	382	69	297	748	141
PADI1	SARC	Others	415	229	103	747	142
RNF217	SARC	Others	197	357	193	747	143
SFMBT2	SARC	Others	414	69	263	746	144
PHF3	SARC	Others	323	174	244	741	145
ZMYND8	SARC	HA_r	293	146	302	741	146
FBXO17	SARC	Others	144	388	208	740	147
KDM5B	SARC	HM_e	334	180	226	740	148
PHC2	SARC	ChRC	215	177	342	734	149
CHAF1B	SARC	ChRC	275	144	314	733	150
UHRF1	SARC	DM_r	295	396	42	733	151
KAT7	SARC	HA_w	337	234	160	731	152
SND1	SARC	HM_r	305	207	219	731	153
PHF20	SARC	HM_r	76	265	389	730	154
MUM1	SARC	Others	225	414	89	728	155
SUPT16H	SARC	Others	183	166	379	728	156
ZGPAT	SARC	Others	11	339	378	728	157
BRWD1	SARC	HA_r	280	193	254	727	158
HIST1H3B	SARC	Others	340	137	249	726	159

HLTF	SARC	Others	247	184	295	726	160
SMARCD1	SARC	Helicases	187	254	284	725	161
RNF20	SARC	Others	58	324	341	723	162
SFMBT1	SARC	HM_r	194	210	318	722	163
FXR2	SARC	Others	263	416	42	721	164
HR	SARC	HM_e	381	112	227	720	165
CHD4	SARC	Helicases	273	277	166	716	166
CBX7	SARC	HM_r	278	158	279	715	167
KDM2B	SARC	HM_e	108	231	376	715	168
PARP2	SARC	Others	219	151	343	713	169
ACTL6A	SARC	ChRC	177	199	336	712	170
CBX2	SARC	ChRC	160	337	214	711	171
PRMT6	SARC	HM_w	203	217	290	710	172
KDM1A	SARC	HM_e	110	233	364	707	173
POLR2B	SARC	Others	70	221	410	701	174
PRMT2	SARC	HM_w	367	292	42	701	175
CDYL	SARC	HM_r	277	191	232	700	176
PHF11	SARC	Others	81	421	196	698	177
PRDM1	SARC	HM_w	211	263	222	696	178
TP53BP1	SARC	Others	358	120	218	696	179
SMARCA4	SARC	Helicases	189	406	99	694	180
PRDM4	SARC	HM_w	68	261	363	692	181
SUZ12	SARC	ChRC	303	69	317	689	182
KMT2D	SARC	HM_w	416	69	203	688	183
SP110	SARC	HA_r	185	379	124	688	184
CBX1	SARC	HM_r	161	192	334	687	185
HDGFL1	SARC	Others	252	139	296	687	186
PHF21B	SARC	HM_r	324	69	293	686	187
TET3	SARC	DM_e	395	121	170	686	188
IDH1	SARC	DM_e	339	136	207	682	189
AFF4	SARC	Others	174	247	259	680	190
ATAD2B	SARC	HA_r	355	69	256	680	191
PHC1	SARC	ChRC	216	266	198	680	192
SMYD1	SARC	HM_w	307	312	60	679	193
RNF2	SARC	ChRC	59	290	329	678	194

PADI2	SARC	Others	373	228	75	676	195
SIN3B	SARC	ChRC	47	256	370	673	196
KAT6B	SARC	HA_w	240	271	161	672	197
FKBP1A	SARC	Others	141	276	251	668	198
GADD45B	SARC	Others	137	394	136	667	199
KDM4A	SARC	HM_e	239	270	158	667	200
PRMT3	SARC	HM_w	204	172	291	667	201
RNF17	SARC	Others	198	342	127	667	202
TCF19	SARC	Others	302	123	238	663	203
TCEA1	SARC	Others	30	251	381	662	204
ING4	SARC	HM_r	244	236	181	661	205
TDRD10	SARC	Others	28	397	236	661	206
PRDM14	SARC	HM_w	209	344	101	654	207
PADI3	SARC	Others	372	227	54	653	208
BRWD3	SARC	HA_r	350	69	233	652	209
HDAC4	SARC	HA_e	127	419	105	651	210
SIN3A	SARC	ChRC	310	168	172	650	211
BAZ2B	SARC	HA_r	392	69	188	649	212
CSTL1	SARC	Others	154	242	253	649	213
SMARCA1	SARC	Helicases	190	286	171	647	214
TET2	SARC	DM_e	359	96	192	647	215
MLLT10	SARC	HM_w	230	326	90	646	216
POLE3	SARC	ChRC	71	173	402	646	217
FMR1	SARC	Others	264	69	312	645	218
CHD3	SARC	Helicases	388	69	186	643	219
SIRT6	SARC	HA_e	44	354	242	640	220
SMARCB1	SARC	Helicases	43	209	382	634	221
AKAP1	SARC	Others	290	196	145	631	222
MORF4L1	SARC	HM_r	94	230	307	631	223
PRDM13	SARC	HM_w	210	293	128	631	224
ZCWPW1	SARC	HM_r	178	147	303	628	225
PHF5A	SARC	Others	74	129	424	627	226
ARID4B	SARC	ChRC	170	195	257	622	227
EHMT1	SARC	HM_w	149	69	404	622	228
EHMT2	SARC	HM_w	268	143	211	622	229

JMJD8	SARC	HM_e	113	301	206	620	230
KAT5	SARC	HA_w	112	235	273	620	231
DMAP1	SARC	Others	271	241	107	619	232
DPF3	SARC	HA_r	343	156	120	619	233
MBD4	SARC	DM_r	96	132	391	619	234
BMI1	SARC	ChRC	167	281	168	616	235
ASXL2	SARC	Others	356	69	190	615	236
CBX6	SARC	HM_r	157	159	299	615	237
EED	SARC	ChRC	269	69	276	614	238
KDM2A	SARC	HM_e	336	232	42	610	239
PARP1	SARC	Others	220	69	321	610	240
RTF1	SARC	Others	196	127	287	610	241
RBBP4	SARC	ChRC	61	259	289	609	242
L3MBTL4	SARC	Others	235	296	76	607	243
MTA1	SARC	ChRC	92	268	246	606	244
ING5	SARC	HM_r	122	420	63	605	245
KDM6B	SARC	HM_e	377	69	157	603	246
STK31	SARC	Others	184	353	65	602	247
AICDA	SARC	DM_e	173	368	59	600	248
PHF2	SARC	Others	77	150	372	599	249
YY1	SARC	ChRC	357	200	42	599	250
PHRF1	SARC	Others	400	69	129	598	251
DNMT3L	SARC	DM_w	270	187	138	595	252
SMARCD2	SARC	Helicases	41	313	241	595	253
SMARCC2	SARC	Helicases	188	255	149	592	254
FBXL19	SARC	Others	265	115	209	589	255
AFF1	SARC	Others	175	198	215	588	256
PHC3	SARC	ChRC	214	176	197	587	257
TDRD7	SARC	Others	299	165	122	586	258
PRDM15	SARC	HM_w	369	128	88	585	259
BRPF3	SARC	HA_r	163	279	141	583	260
TDG	SARC	ChRC	29	250	304	583	261
PRDM12	SARC	HM_w	69	220	292	581	262
MARCH5	SARC	Others	98	69	413	580	263
SETD3	SARC	HM_w	195	258	126	579	264

L3MBTL1	SARC	HM_r	101	297	180	578	265
ZCWPW2	SARC	HM_r	12	248	316	576	266
BAP1	SARC	Others	285	244	42	571	267
H3F3A	SARC	Others	132	185	250	567	268
JADE2	SARC	Others	117	69	380	566	269
MSH6	SARC	HM_r	227	69	270	566	270
RNF40	SARC	Others	57	103	406	566	271
SETD2	SARC	HM_w	313	211	42	566	272
EPC2	SARC	Others	147	140	275	562	273
CHD1	SARC	Helicases	349	69	139	557	274
CHD9	SARC	Helicases	406	69	80	555	275
USP51	SARC	Others	15	323	216	554	276
HDAC5	SARC	HA_e	256	114	183	553	277
SCMH1	SARC	Others	54	213	286	553	278
SRCAP	SARC	Others	304	99	148	551	279
SETD4	SARC	HM_w	52	126	371	549	280
DNMT3A	SARC	DM_w	386	69	93	548	281
PHF6	SARC	HM_r	212	294	42	548	282
MTA2	SARC	ChRC	91	69	384	544	283
JARID2	SARC	ChRC	338	69	134	541	284
MBD5	SARC	DM_r	233	153	155	541	285
PRDM10	SARC	HM_w	370	69	102	541	286
TRIM66	SARC	HA_r	297	148	96	541	287
KAT2B	SARC	HA_w	242	181	117	540	288
RBBP5	SARC	ChRC	60	215	265	540	289
KDM4E	SARC	HM_e	106	298	133	537	290
FKBP5	SARC	Others	139	303	92	534	291
PRDM16	SARC	HM_w	399	69	66	534	292
USP27X	SARC	Others	179	310	42	531	293
ASXL3	SARC	Others	393	69	64	526	294
SUV39H2	SARC	HM_w	32	253	239	524	295
KDM4D	SARC	HM_e	107	299	116	522	296
RAG2	SARC	HM_r	200	260	62	522	297
PHF19	SARC	HM_r	78	175	268	521	298
TDRD1	SARC	Others	301	122	97	520	299

HDAC11	SARC	HA_e	129	331	58	518	300
PHF7	SARC	Others	73	222	223	518	301
UBE2E1	SARC	Others	19	161	337	517	302
TCF20	SARC	Others	181	97	237	515	303
PADI6	SARC	Others	222	225	67	514	304
TET1	SARC	DM_e	298	164	52	514	305
CDYL2	SARC	HM_r	276	69	167	512	306
PAXIP1	SARC	Others	401	69	42	512	307
NCOA1	SARC	HA_w	329	69	113	511	308
PRKCD	SARC	Others	205	218	87	510	309
SP140L	SARC	HA_r	34	377	98	509	310
HDAC8	SARC	HA_e	126	69	311	506	311
HIST1H1C	SARC	Others	248	138	119	505	312
SMARCE1	SARC	Helicases	40	125	339	504	313
PCGF6	SARC	Others	218	108	177	503	314
BRD7	SARC	HA_r	391	69	42	502	315
UBR7	SARC	Others	18	202	282	502	316
SMYD5	SARC	HM_w	36	124	338	498	317
KAT2A	SARC	HA_w	243	134	118	495	318
BRD3	SARC	HA_r	282	69	142	493	319
PADI4	SARC	Others	223	226	42	491	320
PWWP2B	SARC	Others	202	216	73	491	321
GTF2H1	SARC	Others	259	186	42	487	322
ING3	SARC	HM_r	123	182	182	487	323
KDM7A	SARC	HM_e	103	69	315	487	324
EPC1	SARC	Others	266	141	79	486	325
JADE3	SARC	Others	116	69	301	486	326
WDR5	SARC	ChRC	14	69	401	484	327
DAXX	SARC	ChRC	153	116	213	482	328
MTA3	SARC	ChRC	330	109	42	481	329
PHF10	SARC	Others	82	223	176	481	330
SP100	SARC	HA_r	35	398	42	475	331
SMARCA2	SARC	Helicases	362	69	42	473	332
HSPBAP1	SARC	Others	246	183	42	471	333
SMARCC1	SARC	Helicases	42	208	221	471	334

TDRD3	SARC	HM_r	180	206	84	470	335
AIRE	SARC	HM_r	172	197	94	463	336
PCGF1	SARC	Others	86	130	245	461	337
SIRT4	SARC	HA_e	46	149	262	457	338
RING1	SARC	Others	199	104	153	456	339
MBD1	SARC	DM_r	234	179	42	455	340
SETMAR	SARC	HM_w	48	257	150	455	341
FBXO44	SARC	Others	143	239	70	452	342
PHF21A	SARC	HM_r	75	264	112	451	343
TRIM33	SARC	HA_r	22	163	260	445	344
DPY30	SARC	Others	150	155	137	442	345
HIST1H1B	SARC	Others	249	113	77	439	346
PHF23	SARC	HM_r	213	69	154	436	347
SSRP1	SARC	Others	33	98	305	436	348
MECP2	SARC	DM_r	95	69	271	435	349
ARID4A	SARC	ChRC	171	119	143	433	350
GTF3C4	SARC	HA_w	134	69	230	433	351
IWS1	SARC	Others	119	272	42	433	352
PHIP	SARC	HA_r	322	69	42	433	353
BRDT	SARC	HA_r	281	69	82	432	354
ACTL6B	SARC	ChRC	176	160	95	431	355
CTCF	SARC	Others	272	117	42	431	356
HAT1	SARC	HA_w	131	69	229	429	357
TAF3	SARC	HA_r	31	340	56	427	358
KAT8	SARC	HA_w	111	110	205	426	359
EZH2	SARC	HM_w	145	69	210	424	360
KDM8	SARC	HM_e	102	69	248	419	361
LBR	SARC	Others	99	69	247	415	362
MTF2	SARC	HM_r	226	69	114	409	363
ATAT1	SARC	Others	168	118	121	407	364
ZMYND11	SARC	HA_r	294	69	42	405	365
UTY	SARC	HM_e	292	69	42	403	366
MLLT6	SARC	HM_w	229	69	104	402	367
PRDM8	SARC	HM_w	66	69	267	402	368
SIRT1	SARC	HA_e	193	167	42	402	369

HELLS	SARC	Helicases	251	69	78	398	370
BRD1	SARC	HA_r	283	69	42	394	371
TDRD5	SARC	Others	27	283	83	393	372
TDRD9	SARC	Others	26	249	110	385	373
HDAC10	SARC	HA_e	130	69	184	383	374
ELP3	SARC	HA_w	267	69	42	378	375
SCML4	SARC	Others	53	169	151	373	376
UBE2A	SARC	Others	21	204	147	372	377
MBD2	SARC	DM_r	97	69	202	368	378
H2AFZ	SARC	Others	133	69	163	365	379
PRMT1	SARC	HM_w	65	106	194	365	380
JMJD1C	SARC	HM_e	115	154	91	360	381
NAP1L2	SARC	Others	89	69	200	358	382
JADE1	SARC	Others	118	69	169	356	383
KDM4C	SARC	HM_e	238	69	42	349	384
KIAA2026	SARC	Others	236	69	42	347	385
SMYD2	SARC	HM_w	38	69	240	347	386
KDM1B	SARC	HM_e	109	69	159	337	387
NAP1L3	SARC	Others	88	69	178	335	388
RPS6KA5	SARC	Others	55	214	61	330	389
PRDM7	SARC	HM_w	207	69	53	329	390
UBE2B	SARC	Others	20	162	146	328	391
SMARCD3	SARC	Helicases	186	69	72	327	392
EZH1	SARC	HM_w	146	69	106	321	393
PHF1	SARC	HM_r	83	107	130	320	394
PRDM6	SARC	HM_w	208	69	42	319	395
TRIM24	SARC	HA_r	24	69	217	310	396
SETD7	SARC	HM_w	50	69	173	292	397
PCGF2	SARC	Others	85	69	132	286	398
PCGF5	SARC	Others	84	69	131	284	399
FKBP2	SARC	Others	140	69	69	278	400
L3MBTL2	SARC	Others	100	133	42	275	401
INTS12	SARC	Others	120	111	42	273	402
HIF1AN	SARC	Others	125	69	68	262	403
WDR82	SARC	Others	13	201	42	256	404

PRMT7	SARC	HM_w	63	105	74	242	405
SIRT5	SARC	HA_e	45	69	125	239	406
PRDM5	SARC	HM_w	67	69	100	236	407
INO80	SARC	Helicases	121	69	42	232	408
KDM5D	SARC	HM_e	105	69	42	216	409
TRIM28	SARC	HA_r	23	69	109	201	410
SETD6	SARC	HM_w	51	101	42	194	411
SMYD3	SARC	HM_w	37	69	86	192	412
PHF12	SARC	Others	80	69	42	191	413
SMNDC1	SARC	Others	39	100	42	181	414
PSIP1	SARC	HM_r	62	69	42	173	415
UHRF2	SARC	DM_r	17	69	42	128	416
BPTF	SKCM	HA_r	402	395	369	1166	1
EP300	SKCM	HA_w	355	407	403	1165	2
ASH1L	SKCM	HM_w	407	362	393	1162	3
DIDO1	SKCM	Others	417	324	418	1159	4
KDM5B	SKCM	HM_e	349	402	408	1159	5
BRPF3	SKCM	HA_r	345	388	424	1157	6
TCF20	SKCM	Others	369	390	394	1153	7
TRIM24	SKCM	HA_r	306	420	415	1141	8
JARID2	SKCM	ChRC	295	417	422	1134	9
EZH2	SKCM	HM_w	312	419	395	1126	10
ATAD2	SKCM	HA_r	315	424	378	1117	11
KMT2A	SKCM	HM_w	413	355	344	1112	12
EHMT2	SKCM	HM_w	305	397	401	1103	13
CHD6	SKCM	Helicases	408	317	375	1100	14
BRD9	SKCM	HA_r	290	409	392	1091	15
PHF20L1	SKCM	HM_r	250	422	409	1081	16
DAXX	SKCM	ChRC	280	383	413	1076	17
CHD7	SKCM	Helicases	404	346	322	1072	18
SND1	SKCM	HM_r	266	415	388	1069	19
AKAP1	SKCM	Others	316	377	374	1067	20
HIRA	SKCM	Others	320	333	399	1052	21
TDRD5	SKCM	Others	418	328	305	1051	22
TP53BP1	SKCM	Others	388	308	346	1042	23

HR	SKCM	HM_e	330	345	363	1038	24
PHF21B	SKCM	HM_r	382	373	283	1038	25
PRDM10	SKCM	HM_w	337	371	327	1035	26
STK31	SKCM	Others	416	293	325	1034	27
PAXIP1	SKCM	Others	215	392	417	1024	28
TDRKH	SKCM	Others	323	348	349	1020	29
BAZ1B	SKCM	HA_r	314	306	397	1017	30
CECR2	SKCM	HA_r	378	335	304	1017	31
BRD2	SKCM	HA_r	222	384	410	1016	32
SETDB1	SKCM	HM_w	228	367	421	1016	33
SMYD3	SKCM	HM_w	211	421	384	1016	34
HDAC9	SKCM	HA_e	415	375	223	1013	35
PYGO2	SKCM	HM_r	229	378	398	1005	36
ACTL6B	SKCM	ChRC	303	325	376	1004	37
PARP1	SKCM	Others	261	352	389	1002	38
KMT2C	SKCM	HM_w	423	401	163	987	39
PHF14	SKCM	Others	259	342	385	986	40
KDM1B	SKCM	HM_e	163	410	406	979	41
CHD1L	SKCM	Helicases	198	408	368	974	42
L3MBTL2	SKCM	Others	165	405	400	970	43
JMJD6	SKCM	HM_e	153	411	405	969	44
RBBP5	SKCM	ChRC	144	418	407	969	45
SIRT5	SKCM	HA_e	139	416	414	969	46
GATAD2B	SKCM	HM_r	178	376	412	966	47
PHF20	SKCM	HM_r	277	312	377	966	48
DNMT3B	SKCM	DM_w	340	285	338	963	49
CDYL	SKCM	HM_r	112	423	426	961	50
ASXL1	SKCM	Others	297	291	372	960	51
CBX8	SKCM	ChRC	199	412	339	950	52
BRD7	SKCM	HA_r	273	289	387	949	53
SMARCD3	SKCM	Helicases	138	398	404	940	54
ZMYND8	SKCM	HA_r	334	249	357	940	55
ATR	SKCM	Others	397	174	366	937	56
L3MBTL4	SKCM	Others	384	266	274	924	57
CBX4	SKCM	HM_r	221	413	286	920	58

KDM5A	SKCM	HM_e	329	300	291	920	59
KMT2D	SKCM	HM_w	424	314	178	916	60
ZGPAT	SKCM	Others	207	326	383	916	61
CBX6	SKCM	HM_r	201	347	360	908	62
BRD4	SKCM	HA_r	380	218	309	907	63
RING1	SKCM	Others	99	381	425	905	64
KMT2E	SKCM	HM_w	301	331	270	902	65
PHF1	SKCM	HM_r	147	382	370	899	66
CHRC1	SKCM	ChRC	51	425	420	896	67
BOP 1	SKCM	Others	53	426	411	890	68
KANSL1	SKCM	HA_w	302	241	345	888	69
KDM2A	SKCM	HM_e	173	374	341	888	70
L3MBTL1	SKCM	HM_r	352	283	247	882	71
SMYD2	SKCM	HM_w	119	366	396	881	72
ING3	SKCM	HM_r	107	406	359	872	73
HDAC4	SKCM	HA_e	292	380	198	870	74
BRWD3	SKCM	HA_r	367	288	210	865	75
ASH2L	SKCM	HM_w	204	278	380	862	76
TRIM33	SKCM	HA_r	166	338	358	862	77
SIRT7	SKCM	HA_e	78	399	379	856	78
ARID4B	SKCM	ChRC	254	389	212	855	79
CHD4	SKCM	Helicases	401	275	175	851	80
TCF19	SKCM	Others	95	391	365	851	81
PRDM1	SKCM	HM_w	395	372	82	849	82
SIN3B	SKCM	ChRC	309	187	353	849	83
HCFC1	SKCM	Others	386	303	158	847	84
PHF5A	SKCM	Others	45	386	416	847	85
HDGF	SKCM	Others	86	357	402	845	86
CHD2	SKCM	Helicases	350	318	176	844	87
PHF12	SKCM	Others	291	233	319	843	88
SETD1A	SKCM	HM_w	399	127	317	843	89
PRDM9	SKCM	HM_w	421	330	85	836	90
ATAT1	SKCM	Others	75	404	352	831	91
KAT7	SKCM	HA_w	164	315	351	830	92
ATM	SKCM	Others	372	361	94	827	93

SMARCD2	SKCM	Helicases	120	385	318	823	94
RNF2	SKCM	ChRC	56	370	391	817	95
TDRD6	SKCM	Others	373	364	80	817	96
PPARGC1A	SKCM	Others	374	296	146	816	97
RPA3	SKCM	Others	43	349	423	815	98
ZCWPW1	SKCM	HM_r	317	292	200	809	99
SETD5	SKCM	HM_w	268	256	282	806	100
CXXC1	SKCM	Others	253	215	334	802	101
ARID1B	SKCM	ChRC	396	363	42	801	102
HNF1A	SKCM	ChRC	359	204	235	798	103
NCOR2	SKCM	Others	405	261	132	798	104
BRD1	SKCM	HA_r	346	69	382	797	105
RSF1	SKCM	ChRC	354	400	42	796	106
CBX7	SKCM	HM_r	200	336	258	794	107
CBX2	SKCM	ChRC	202	414	177	793	108
PHRF1	SKCM	Others	327	138	328	793	109
TDRD10	SKCM	Others	244	365	183	792	110
ORC1	SKCM	Others	264	235	292	791	111
PRKAA2	SKCM	Others	400	193	193	786	112
DNMT1	SKCM	DM_w	360	166	256	782	113
MBD5	SKCM	DM_r	419	149	214	782	114
ATF7IP	SKCM	Others	347	307	126	780	115
SCML2	SKCM	HM_r	341	228	211	780	116
FKBP5	SKCM	Others	289	387	102	778	117
TCEA1	SKCM	Others	58	339	381	778	118
NAP1L2	SKCM	Others	385	263	127	775	119
ARID2	SKCM	ChRC	412	319	42	773	120
TAF1L	SKCM	HA_r	422	69	281	772	121
ATRX	SKCM	Helicases	371	290	107	768	122
CLOCK	SKCM	HA_w	220	304	244	768	123
H3F3A	SKCM	Others	23	359	386	768	124
HDAC11	SKCM	HA_e	176	269	321	766	125
HDAC1	SKCM	HA_e	131	270	364	765	126
HIST1H1C	SKCM	Others	67	394	303	764	127
CBX3	SKCM	HM_r	52	287	419	758	128

LBR	SKCM	Others	172	353	233	758	129
SRCAP	SKCM	Others	410	120	226	756	130
MORF4L1	SKCM	HM_r	66	298	390	754	131
NCOA3	SKCM	HA_w	375	262	115	752	132
HIST1H1B	SKCM	Others	252	396	100	748	133
AEBP2	SKCM	HM_w	72	320	355	747	134
CDYL2	SKCM	HM_r	365	276	104	745	135
PRDM14	SKCM	HM_w	322	340	83	745	136
SMARCA2	SKCM	Helicases	348	309	87	744	137
PAF1	SKCM	Others	193	234	312	739	138
KDM7A	SKCM	HM_e	333	69	335	737	139
HIST1H3B	SKCM	Others	155	393	186	734	140
ING5	SKCM	HM_r	106	323	302	731	141
SIN3A	SKCM	ChRC	294	69	367	730	142
NSD1	SKCM	HM_w	363	322	42	727	143
PRMT5	SKCM	HM_w	230	231	264	725	144
BAZ2B	SKCM	HA_r	393	172	159	724	145
PYGO1	SKCM	HM_r	169	258	297	724	146
TDRD9	SKCM	Others	307	252	164	723	147
YY1	SKCM	ChRC	117	250	356	723	148
MECP2	SKCM	DM_r	115	299	307	721	149
TET3	SKCM	DM_e	381	115	224	720	150
HDGFL1	SKCM	Others	239	403	77	719	151
CREBBP	SKCM	HA_w	392	69	257	718	152
JMJD1C	SKCM	HM_e	338	267	111	716	153
L3MBTL3	SKCM	Others	262	354	99	715	154
BRPF1	SKCM	HA_r	281	69	361	711	155
NCOA1	SKCM	HA_w	287	236	184	707	156
PHF3	SKCM	Others	285	379	42	706	157
MSH6	SKCM	HM_r	127	265	313	705	158
KAT5	SKCM	HA_w	47	356	301	704	159
PHF8	SKCM	Others	282	232	190	704	160
HDAC6	SKCM	HA_e	227	205	271	703	161
KAT8	SKCM	HA_w	225	152	324	701	162
PRDM7	SKCM	HM_w	189	259	252	700	163

BAP1	SKCM	Others	181	173	340	694	164
RNF217	SKCM	Others	248	369	76	693	165
KDM4A	SKCM	HM_e	151	240	300	691	166
KDM6B	SKCM	HM_e	358	200	133	691	167
ASXL2	SKCM	Others	366	176	148	690	168
SMARCA4	SKCM	Helicases	394	69	227	690	169
HDAC8	SKCM	HA_e	182	284	222	688	170
KMT2B	SKCM	HM_w	406	239	42	687	171
SMARCA1	SKCM	Helicases	263	225	199	687	172
KDM5C	SKCM	HM_e	238	201	246	685	173
RPH3A	SKCM	Others	357	229	96	682	174
HDAC7	SKCM	HA_e	218	302	161	681	175
BAZ2A	SKCM	HA_r	332	305	42	679	176
PWWP2B	SKCM	Others	269	311	97	677	177
DOT1L	SKCM	HM_w	339	69	268	676	178
SHPRH	SKCM	Others	267	321	88	676	179
CHD9	SKCM	Helicases	356	274	42	672	180
IDH1	SKCM	DM_e	343	156	173	672	181
KIAA2026	SKCM	Others	265	69	336	670	182
SMARCB1	SKCM	Helicases	121	254	295	670	183
PBRM1	SKCM	HA_r	328	146	195	669	184
EPC2	SKCM	Others	234	164	267	665	185
INO80	SKCM	Helicases	304	316	42	662	186
PADI1	SKCM	Others	275	69	315	659	187
BRDT	SKCM	HA_r	362	217	79	658	188
TET1	SKCM	DM_e	403	69	182	654	189
PHF7	SKCM	Others	214	139	299	652	190
CHAF1A	SKCM	ChRC	296	69	285	650	191
GTF2F1	SKCM	Others	158	159	333	650	192
RNF40	SKCM	Others	247	128	273	648	193
TDRD1	SKCM	Others	389	181	75	645	194
PRDM13	SKCM	HM_w	146	351	145	642	195
SCML4	SKCM	Others	123	368	151	642	196
AFF4	SKCM	Others	351	248	42	641	197
PARP2	SKCM	Others	125	195	320	640	198

CHD8	SKCM	Helicases	377	216	42	635	199
SMARCA5	SKCM	Helicases	122	224	288	634	200
ING4	SKCM	HM_r	130	268	234	632	201
ASXL3	SKCM	Others	426	69	136	631	202
SFMBT2	SKCM	Others	310	188	129	627	203
SUZ12	SKCM	ChRC	137	119	371	627	204
SMYD1	SKCM	HM_w	319	222	84	625	205
MBTD1	SKCM	Others	82	344	196	622	206
RNF17	SKCM	Others	414	130	78	622	207
CHD1	SKCM	Helicases	293	286	42	621	208
AFF1	SKCM	Others	298	279	42	619	209
BAZ1A	SKCM	HA_r	274	220	125	619	210
EHMT1	SKCM	HM_w	331	246	42	619	211
EZH1	SKCM	HM_w	233	211	174	618	212
FBXW9	SKCM	Others	179	162	275	616	213
PRDM12	SKCM	HM_w	190	136	290	616	214
ZMYND11	SKCM	HA_r	40	337	239	616	215
MEN1	SKCM	ChRC	128	282	205	615	216
POLR2B	SKCM	Others	276	297	42	615	217
PHIP	SKCM	HA_r	231	341	42	614	218
SIRT2	SKCM	HA_e	97	226	289	612	219
MECOM	SKCM	Others	425	69	116	610	220
HDAC5	SKCM	HA_e	195	206	208	609	221
KDM2B	SKCM	HM_e	364	202	42	608	222
PRMT8	SKCM	HM_w	240	294	74	608	223
RAI1	SKCM	Others	387	69	152	608	224
FBXL19	SKCM	Others	160	163	284	607	225
SMYD5	SKCM	HM_w	185	121	294	600	226
PRDM15	SKCM	HM_w	336	69	194	599	227
KDM3A	SKCM	HM_e	194	151	253	598	228
PRDM16	SKCM	HM_w	398	69	131	598	229
PRDM2	SKCM	HM_w	326	69	203	598	230
SMARCC1	SKCM	Helicases	246	185	167	598	231
BRD3	SKCM	HA_r	236	171	188	595	232
ELP3	SKCM	HA_w	219	334	42	595	233

PRDM5	SKCM	HM_w	257	194	144	595	234
SCMH1	SKCM	Others	213	190	192	595	235
RAG2	SKCM	HM_r	368	131	93	592	236
SETD7	SKCM	HM_w	142	281	169	592	237
PHC2	SKCM	ChRC	191	69	331	591	238
DPF3	SKCM	HA_r	271	214	103	588	239
FKBP1A	SKCM	Others	35	210	342	587	240
MTF2	SKCM	HM_r	16	238	332	586	241
PRKCD	SKCM	Others	188	192	202	582	242
SATB1	SKCM	Others	342	69	170	581	243
SUPT16H	SKCM	Others	255	183	143	581	244
DNMT3A	SKCM	DM_w	272	69	237	578	245
PRDM11	SKCM	HM_w	270	137	171	578	246
ING1	SKCM	HM_r	154	69	354	577	247
RBBP7	SKCM	ChRC	39	230	306	575	248
HSPBAP1	SKCM	Others	175	69	329	573	249
SP140	SKCM	HA_r	409	69	95	573	250
KDM4C	SKCM	HM_e	150	332	90	572	251
CHD3	SKCM	Helicases	344	69	157	570	252
GATAD2A	SKCM	HM_r	110	243	217	570	253
UBE2E1	SKCM	Others	27	280	262	569	254
KDM3B	SKCM	HM_e	376	150	42	568	255
TET2	SKCM	DM_e	318	69	181	568	256
ATAD2B	SKCM	HA_r	203	175	189	567	257
MTA3	SKCM	ChRC	104	196	266	566	258
IDH2	SKCM	DM_e	48	301	216	565	259
DPF2	SKCM	Others	161	360	42	563	260
SMARCC2	SKCM	Helicases	335	184	42	561	261
DMAP1	SKCM	Others	36	247	276	559	262
ERCC5	SKCM	Others	242	272	42	556	263
PRMT3	SKCM	HM_w	171	133	251	555	264
SMYD4	SKCM	HM_w	245	69	241	555	265
SFMBT1	SKCM	HM_r	256	69	228	553	266
SSRP1	SKCM	Others	168	69	316	553	267
CHD5	SKCM	Helicases	411	69	72	552	268

NAP1L3	SKCM	Others	224	69	259	552	269
PADI4	SKCM	Others	383	69	98	550	270
CARM1	SKCM	HM_w	235	69	245	549	271
SETD4	SKCM	HM_w	79	125	343	547	272
PHF10	SKCM	Others	64	343	139	546	273
SMARCD1	SKCM	Helicases	60	223	263	546	274
KDM4B	SKCM	HM_e	279	69	197	545	275
KAT6B	SKCM	HA_w	353	69	118	540	276
PADI3	SKCM	Others	390	69	81	540	277
HDAC2	SKCM	HA_e	87	358	91	536	278
JMJD8	SKCM	HM_e	20	154	362	536	279
MLLT6	SKCM	HM_w	278	148	110	536	280
PADI6	SKCM	Others	361	69	106	536	281
KDM8	SKCM	HM_e	205	69	260	534	282
SETD6	SKCM	HM_w	7	255	272	534	283
KAT2A	SKCM	HA_w	174	153	206	533	284
PRMT7	SKCM	HM_w	170	132	231	533	285
FKBP2	SKCM	Others	34	244	254	532	286
PRMT1	SKCM	HM_w	100	134	298	532	287
EP400	SKCM	HA_w	420	69	42	531	288
PCMT1	SKCM	Others	12	313	204	529	289
PHC1	SKCM	ChRC	192	69	265	526	290
BRD8	SKCM	HA_r	313	170	42	525	291
PCGF1	SKCM	Others	32	145	348	525	292
PRMT6	SKCM	HM_w	29	295	201	525	293
USP51	SKCM	Others	54	251	220	525	294
CBX1	SKCM	HM_r	26	277	219	522	295
PHF13	SKCM	Others	102	69	350	521	296
CSTL1	SKCM	Others	135	69	314	518	297
CHAF1B	SKCM	ChRC	136	168	213	517	298
PSIP1	SKCM	HM_r	124	350	42	516	299
SIRT3	SKCM	HA_e	96	123	296	515	300
SP100	SKCM	HA_r	308	69	138	515	301
KAT2B	SKCM	HA_w	288	69	155	512	302
PRDM6	SKCM	HM_w	10	260	242	512	303

UHRF2	SKCM	DM_r	41	327	142	510	304
TDRD7	SKCM	Others	243	116	150	509	305
TDRD3	SKCM	HM_r	210	69	225	504	306
KAT6A	SKCM	HA_w	391	69	42	502	307
TRIM28	SKCM	HA_r	183	69	250	502	308
AURKB	SKCM	Others	71	221	209	501	309
PADI2	SKCM	Others	311	69	121	501	310
SP140L	SKCM	HA_r	324	69	108	501	311
RPS6KA5	SKCM	Others	187	191	120	498	312
TDRD12	SKCM	Others	4	253	240	497	313
RTF1	SKCM	Others	143	310	42	495	314
HLTF	SKCM	Others	217	69	207	493	315
SETD2	SKCM	HM_w	325	126	42	493	316
KDM4D	SKCM	HM_e	251	69	172	492	317
ARID1A	SKCM	ChRC	379	69	42	490	318
SIRT4	SKCM	HA_e	140	186	160	486	319
SETDB2	SKCM	HM_w	186	69	229	484	320
MSL3	SKCM	HA_w	114	264	105	483	321
FBXO17	SKCM	Others	50	245	187	482	322
NCOR1	SKCM	ChRC	370	69	42	481	323
SETD3	SKCM	HM_w	212	227	42	481	324
DPF1	SKCM	ChRC	70	273	134	477	325
AIRE	SKCM	HM_r	283	69	119	471	326
PHF2	SKCM	Others	286	141	42	469	327
RBBP4	SKCM	ChRC	162	257	42	461	328
KMT5B	SKCM	Others	18	69	373	460	329
UHRF1	SKCM	DM_r	209	69	180	458	330
BMI1	SKCM	ChRC	113	219	124	456	331
DPY30	SKCM	Others	25	213	218	456	332
SIRT6	SKCM	HA_e	61	69	326	456	333
UBE2I	SKCM	Others	94	69	293	456	334
JADE3	SKCM	Others	206	69	179	454	335
UBE2A	SKCM	Others	55	69	330	454	336
MARCH5	SKCM	Others	46	69	337	452	337
PHF6	SKCM	HM_r	74	140	238	452	338

MBD3	SKCM	DM_r	149	69	232	450	339
MBD4	SKCM	DM_r	129	198	122	449	340
TDG	SKCM	ChRC	167	117	165	449	341
USP22	SKCM	Others	118	69	261	448	342
USP27X	SKCM	Others	1	178	269	448	343
KDM6A	SKCM	HM_e	91	69	287	447	344
SETD1B	SKCM	HM_w	28	189	230	447	345
TAF3	SKCM	HA_r	284	118	42	444	346
G2E3	SKCM	Others	159	161	123	443	347
PHF23	SKCM	HM_r	63	69	311	443	348
DNMT3L	SKCM	DM_w	299	69	73	441	349
PRDM4	SKCM	HM_w	62	69	310	441	350
SUV39H1	SKCM	HM_w	38	182	221	441	351
MTA1	SKCM	ChRC	126	69	243	438	352
JADE2	SKCM	Others	226	69	141	436	353
EPC1	SKCM	Others	180	212	42	434	354
BRWD1	SKCM	HA_r	321	69	42	432	355
FMR1	SKCM	Others	116	271	42	429	356
ZCWPW2	SKCM	HM_r	208	69	149	426	357
JADE1	SKCM	Others	241	69	113	423	358
MTA2	SKCM	ChRC	232	147	42	421	359
SMNDC1	SKCM	Others	5	69	347	421	360
RNF20	SKCM	Others	249	129	42	420	361
SP110	SKCM	HA_r	184	69	166	419	362
ARID4A	SKCM	ChRC	237	69	112	418	363
PRKAA1	SKCM	Others	44	329	42	415	364
HELLS	SKCM	Helicases	156	157	101	414	365
FBXO44	SKCM	Others	89	69	255	413	366
IWS1	SKCM	Others	216	155	42	413	367
TAF1	SKCM	HA_r	300	69	42	411	368
KDM1A	SKCM	HM_e	152	69	185	406	369
NAP1L1	SKCM	Others	15	237	153	405	370
ELP4	SKCM	HA_w	197	165	42	404	371
RIOX2	SKCM	Others	8	69	323	400	372
KMT5A	SKCM	Others	19	69	308	396	373

GTF2B	SKCM	Others	109	242	42	393	374
ING2	SKCM	HM_r	108	69	215	392	375
SIRT1	SKCM	HA_e	98	124	168	390	376
MLLT10	SKCM	HM_w	148	197	42	387	377
PCGF2	SKCM	Others	103	144	140	387	378
AICDA	SKCM	DM_e	223	69	92	384	379
FXR2	SKCM	Others	132	209	42	383	380
GTF3C4	SKCM	HA_w	157	69	156	382	381
GLYR1	SKCM	HM_r	177	160	42	379	382
HDAC10	SKCM	HA_e	68	69	236	373	383
PHC3	SKCM	ChRC	260	69	42	371	384
PHF21A	SKCM	HM_r	258	69	42	369	385
KMT5C	SKCM	Others	17	69	280	366	386
NSD2	SKCM	Others	14	69	279	362	387
GADD45A	SKCM	Others	33	208	117	358	388
RIOX1	SKCM	Others	9	69	278	356	389
SGF29	SKCM	Others	6	69	277	352	390
INTS12	SKCM	Others	105	203	42	350	391
CTCF	SKCM	Others	133	167	42	342	392
CBX5	SKCM	HM_r	37	169	135	341	393
HDGFL2	SKCM	Others	22	69	249	340	394
SETMAR	SKCM	HM_w	141	69	130	340	395
HDGFL3	SKCM	Others	21	69	248	338	396
PHF19	SKCM	HM_r	80	142	114	336	397
MBD1	SKCM	DM_r	84	199	42	325	398
PRDM8	SKCM	HM_w	101	135	86	322	399
GTF2H1	SKCM	Others	69	207	42	318	400
TRIM66	SKCM	HA_r	3	114	191	308	401
HDAC3	SKCM	HA_e	196	69	42	307	402
MBD2	SKCM	DM_r	83	69	154	306	403
WDR82	SKCM	Others	76	177	42	295	404
KDM4E	SKCM	HM_e	92	69	128	289	405
HAT1	SKCM	HA_w	88	158	42	288	406
GADD45B	SKCM	Others	49	69	147	265	407
SUV39H2	SKCM	HM_w	59	69	137	265	408

UBR7	SKCM	Others	42	179	42	263	409
PRMT2	SKCM	HM_w	145	69	42	256	410
H2AFZ	SKCM	Others	24	69	162	255	411
KDM5D	SKCM	HM_e	134	69	42	245	412
SMARCE1	SKCM	Helicases	77	122	42	241	413
UBE2B	SKCM	Others	2	180	42	224	414
PCGF5	SKCM	Others	65	69	89	223	415
EED	SKCM	ChRC	111	69	42	222	416
PCGF6	SKCM	Others	31	143	42	216	417
WDR5	SKCM	ChRC	57	113	42	212	418
PHF11	SKCM	Others	30	69	109	208	419
MPHOSPH8	SKCM	HM_r	93	69	42	204	420
ACTL6A	SKCM	ChRC	90	69	42	201	421
HIF1AN	SKCM	Others	85	69	42	196	422
MUM1	SKCM	Others	81	69	42	192	423
UTY	SKCM	HM_e	73	69	42	184	424
NSD3	SKCM	Others	13	69	42	124	425
POLE3	SKCM	ChRC	11	69	42	122	426
DIDO1	STAD	Others	421	420	424	1265	1
ATAD2	STAD	HA_r	392	426	421	1239	2
CHD6	STAD	Helicases	412	406	411	1229	3
CHD7	STAD	Helicases	415	377	396	1188	4
SETDB1	STAD	HM_w	367	391	418	1176	5
PHF20L1	STAD	HM_r	337	417	420	1174	6
ASXL1	STAD	Others	383	363	423	1169	7
ZMYND8	STAD	HA_r	320	418	425	1163	8
KAT6A	STAD	HA_w	401	382	374	1157	9
ATR	STAD	Others	405	362	381	1148	10
PHF3	STAD	Others	360	386	387	1133	11
ZGPAT	STAD	Others	300	419	407	1126	12
L3MBTL1	STAD	HM_r	305	409	405	1119	13
ASH1L	STAD	HM_w	411	364	341	1116	14
KDM5A	STAD	HM_e	381	348	373	1102	15
ARID4B	STAD	ChRC	350	407	342	1099	16
KDM2A	STAD	HM_e	307	388	403	1098	17

NCOA3	STAD	HA_w	343	423	332	1098	18
KMT2E	STAD	HM_w	373	408	313	1094	19
DNMT3B	STAD	DM_w	324	369	390	1083	20
SMARCC2	STAD	Helicases	389	341	351	1081	21
MECOM	STAD	Others	315	425	340	1080	22
KAT6B	STAD	HA_w	375	403	290	1068	23
MLLT6	STAD	HM_w	264	402	395	1061	24
PHF20	STAD	HM_r	242	387	419	1048	25
PHC3	STAD	ChRC	282	422	337	1041	26
CHD4	STAD	Helicases	413	295	317	1025	27
CHD2	STAD	Helicases	340	400	284	1024	28
FMR1	STAD	Others	269	376	368	1013	29
TCEA1	STAD	Others	208	390	415	1013	30
SMARCE1	STAD	Helicases	173	421	417	1011	31
PHF14	STAD	Others	261	392	353	1006	32
KMT2C	STAD	HM_w	424	381	197	1002	33
BPTF	STAD	HA_r	403	300	296	999	34
BRD9	STAD	HA_r	170	413	412	995	35
CHD1L	STAD	Helicases	217	384	393	994	36
PYGO2	STAD	HM_r	238	343	413	994	37
ACTL6A	STAD	ChRC	171	415	406	992	38
LBR	STAD	Others	293	332	366	991	39
ING1	STAD	HM_r	201	404	380	985	40
BAZ1B	STAD	HA_r	273	302	402	977	41
CREBBP	STAD	HA_w	419	351	205	975	42
HDGF	STAD	Others	250	315	410	975	43
KDM5B	STAD	HM_e	345	241	384	970	44
TRIM28	STAD	HA_r	221	339	409	969	45
EHMT1	STAD	HM_w	353	319	293	965	46
ERCC5	STAD	Others	189	383	389	961	47
BRD3	STAD	HA_r	370	271	319	960	48
HCFC1	STAD	Others	368	399	188	955	49
BAZ2A	STAD	HA_r	298	301	350	949	50
RSF1	STAD	ChRC	291	395	252	938	51
KANSL1	STAD	HA_w	347	289	301	937	52

ARID1B	STAD	ChRC	394	353	189	936	53
BRPF1	STAD	HA_r	333	249	349	931	54
STK31	STAD	Others	235	371	323	929	55
TAF1L	STAD	HA_r	408	340	176	924	56
CTCF	STAD	Others	354	270	294	918	57
PRKAA1	STAD	Others	107	416	394	917	58
TDRD6	STAD	Others	407	379	129	915	59
MPHOSPH8	STAD	HM_r	263	311	339	913	60
PAF1	STAD	Others	161	347	400	908	61
HDAC4	STAD	HA_e	387	360	158	905	62
SETD1A	STAD	HM_w	386	186	330	902	63
SETDB2	STAD	HM_w	223	355	324	902	64
BOP 1	STAD	Others	80	414	401	895	65
BRPF3	STAD	HA_r	219	299	376	894	66
KAT2A	STAD	HA_w	200	333	354	887	67
KMT2A	STAD	HM_w	417	312	155	884	68
PCGF2	STAD	Others	110	401	372	883	69
CBX3	STAD	HM_r	145	337	397	879	70
KDM6A	STAD	HM_e	286	373	215	874	71
CHRA1	STAD	ChRC	23	424	426	873	72
IWS1	STAD	Others	265	227	379	871	73
PRDM14	STAD	HM_w	225	372	268	865	74
PWWP2B	STAD	Others	278	283	299	860	75
PHF12	STAD	Others	304	219	336	859	76
CHAF1A	STAD	ChRC	289	361	206	856	77
TDRKH	STAD	Others	84	370	399	853	78
HDAC6	STAD	HA_e	268	268	315	851	79
ATM	STAD	Others	416	352	79	847	80
SRCAP	STAD	Others	418	180	249	847	81
ARID1A	STAD	ChRC	426	378	42	846	82
CBX8	STAD	ChRC	190	321	334	845	83
IDH2	STAD	DM_e	74	410	361	845	84
PRDM9	STAD	HM_w	379	405	59	843	85
HIRA	STAD	Others	294	266	282	842	86
RNF40	STAD	Others	277	187	378	842	87

TDRD5	STAD	Others	207	276	359	842	88
TET1	STAD	DM_e	384	275	175	834	89
KMT2B	STAD	HM_w	422	367	42	831	90
RAI1	STAD	Others	404	307	120	831	91
ELP3	STAD	HA_w	167	247	414	828	92
KDM2B	STAD	HM_e	346	201	280	827	93
MECP2	STAD	DM_r	216	396	213	825	94
PHF11	STAD	Others	109	346	365	820	95
PHF21A	STAD	HM_r	281	356	180	817	96
RPA3	STAD	Others	25	385	404	814	97
SND1	STAD	HM_r	371	69	369	809	98
EP400	STAD	HA_w	423	69	316	808	99
ATAT1	STAD	Others	98	389	320	807	100
MSH6	STAD	HM_r	352	171	279	802	101
KDM5C	STAD	HM_e	374	240	186	800	102
SMARCD2	STAD	Helicases	86	329	382	797	103
WDR5	STAD	ChRC	149	250	398	797	104
NCOR1	STAD	ChRC	395	358	42	795	105
DOT1L	STAD	HM_w	348	320	124	792	106
CBX4	STAD	HM_r	191	322	275	788	107
CBX2	STAD	ChRC	146	323	318	787	108
DNMT3A	STAD	DM_w	252	207	328	787	109
MTA1	STAD	ChRC	226	221	338	785	110
PHRF1	STAD	Others	342	69	371	782	111
H3F3A	STAD	Others	77	349	355	781	112
EHMT2	STAD	HM_w	363	69	347	779	113
KAT7	STAD	HA_w	186	226	367	779	114
PBRM1	STAD	HA_r	380	357	42	779	115
TDRD10	STAD	Others	233	354	190	777	116
BAZ2B	STAD	HA_r	365	272	138	775	117
JARID2	STAD	ChRC	414	69	292	775	118
KDM6B	STAD	HM_e	377	223	169	769	119
PSIP1	STAD	HM_r	359	365	42	766	120
GATAD2B	STAD	HM_r	59	368	333	760	121
SMARCB1	STAD	Helicases	313	183	264	760	122

HLTF	STAD	Others	164	314	281	759	123
AEBP2	STAD	HM_w	46	326	386	758	124
CHD3	STAD	Helicases	391	231	136	758	125
HDAC2	STAD	HA_e	140	316	302	758	126
MBD3	STAD	DM_r	285	288	185	758	127
CHD9	STAD	Helicases	390	230	135	755	128
PRDM15	STAD	HM_w	302	309	144	755	129
TET3	STAD	DM_e	358	148	248	754	130
GTF3C4	STAD	HA_w	308	244	201	753	131
PRDM13	STAD	HM_w	279	366	108	753	132
AFF4	STAD	Others	311	338	101	750	133
PRMT1	STAD	HM_w	179	217	352	748	134
SFMBT1	STAD	HM_r	276	281	191	748	135
BRWD1	STAD	HA_r	378	324	42	744	136
EZH1	STAD	HM_w	204	335	204	743	137
PCMT1	STAD	Others	69	262	408	739	138
SMARCA1	STAD	Helicases	236	278	225	739	139
CSTL1	STAD	Others	45	336	357	738	140
FBXO17	STAD	Others	44	318	375	737	141
TDRD7	STAD	Others	222	252	263	737	142
ZCWPW1	STAD	HM_r	102	412	223	737	143
BRD8	STAD	HA_r	420	69	247	736	144
EED	STAD	ChRC	168	293	274	735	145
PHF2	STAD	Others	410	69	254	733	146
SHPRH	STAD	Others	385	306	42	733	147
ELP4	STAD	HA_w	121	246	362	729	148
HDAC9	STAD	HA_e	295	375	58	728	149
TAF3	STAD	HA_r	275	211	239	725	150
CXXC1	STAD	Others	288	394	42	724	151
BRD1	STAD	HA_r	355	325	42	722	152
JMJD1C	STAD	HM_e	396	69	257	722	153
PHIP	STAD	HA_r	336	344	42	722	154
KAT8	STAD	HA_w	247	173	300	720	155
PARP1	STAD	Others	321	287	112	720	156
POLE3	STAD	ChRC	180	191	346	717	157

NAP1L2	STAD	Others	284	197	234	715	158
BRD4	STAD	HA_r	369	69	276	714	159
HELLS	STAD	Helicases	287	267	157	711	160
NCOR2	STAD	Others	409	69	233	711	161
FKBP1A	STAD	Others	43	245	422	710	162
RAG2	STAD	HM_r	176	342	192	710	163
KMT2D	STAD	HM_w	425	69	214	708	164
SMARCA4	STAD	Helicases	398	69	240	707	165
TDRD3	STAD	HM_r	274	69	364	707	166
ING5	STAD	HM_r	73	359	272	704	167
RBBP5	STAD	ChRC	105	216	383	704	168
SETD3	STAD	HM_w	174	215	309	698	169
CHD8	STAD	Helicases	382	69	246	697	170
SIRT2	STAD	HA_e	88	280	329	697	171
EPC1	STAD	Others	142	269	283	694	172
TAF1	STAD	HA_r	334	69	286	689	173
DAXX	STAD	ChRC	271	69	348	688	174
IDH1	STAD	DM_e	115	313	258	686	175
CHD1	STAD	Helicases	296	296	91	683	176
MBD1	STAD	DM_r	245	393	42	680	177
PRDM2	STAD	HM_w	400	69	210	679	178
PRDM16	STAD	HM_w	397	69	211	677	179
KDM4B	STAD	HM_e	331	224	121	676	180
SIRT1	STAD	HA_e	210	237	228	675	181
BRD2	STAD	HA_r	310	69	295	674	182
KAT5	STAD	HA_w	138	242	291	671	183
MBD4	STAD	DM_r	112	199	360	671	184
KDM4A	STAD	HM_e	227	225	216	668	185
SIN3A	STAD	ChRC	290	69	308	667	186
TRIM24	STAD	HA_r	206	69	391	666	187
CBX5	STAD	HM_r	253	297	115	665	188
YY1	STAD	ChRC	148	209	307	664	189
L3MBTL4	STAD	Others	185	151	327	663	190
CBX1	STAD	HM_r	60	298	304	662	191
PRDM11	STAD	HM_w	108	285	269	662	192

MBTD1	STAD	Others	71	263	326	660	193
DMAP1	STAD	Others	230	208	220	658	194
EZH2	STAD	HM_w	120	334	203	657	195
SETD5	STAD	HM_w	301	69	287	657	196
UBE2I	STAD	Others	31	327	297	655	197
BRWD3	STAD	HA_r	364	69	221	654	198
SUV39H2	STAD	HM_w	33	234	385	652	199
RNF17	STAD	Others	341	256	54	651	200
RNF20	STAD	Others	237	69	345	651	201
PRMT3	STAD	HM_w	178	162	310	650	202
JMJD6	STAD	HM_e	114	264	271	649	203
MBD5	STAD	DM_r	330	222	96	648	204
G2E3	STAD	Others	317	69	261	647	205
PRKCD	STAD	Others	211	258	178	647	206
SUZ12	STAD	ChRC	48	277	321	646	207
GLYR1	STAD	HM_r	316	69	260	645	208
HR	STAD	HM_e	339	69	236	644	209
RBBP4	STAD	ChRC	131	282	231	644	210
SMARCA5	STAD	Helicases	195	184	265	644	211
RNF2	STAD	ChRC	35	238	370	643	212
GTF2H1	STAD	Others	119	165	356	640	213
PAXIP1	STAD	Others	183	69	388	640	214
TDG	STAD	ChRC	151	154	335	640	215
HNF1A	STAD	ChRC	249	203	187	639	216
MLLT10	STAD	HM_w	244	69	325	638	217
ING3	STAD	HM_r	57	265	314	636	218
SIN3B	STAD	ChRC	314	161	161	636	219
SMARCC1	STAD	Helicases	258	235	141	634	220
KIAA2026	STAD	Others	322	69	242	633	221
SETD2	STAD	HM_w	329	254	42	625	222
SUPT16H	STAD	Others	234	69	322	625	223
MBD2	STAD	DM_r	184	397	42	623	224
UBE2A	STAD	Others	47	232	344	623	225
TDRD1	STAD	Others	257	233	130	620	226
SP100	STAD	HA_r	328	159	131	618	227

PRDM10	STAD	HM_w	280	260	76	616	228
JMJD8	STAD	HM_e	39	374	199	612	229
PHF19	STAD	HM_r	157	261	194	612	230
TP53BP1	STAD	Others	357	153	102	612	231
NSD1	STAD	HM_w	361	69	181	611	232
SMYD3	STAD	HM_w	126	69	416	611	233
SP140	STAD	HA_r	366	157	85	608	234
ATRX	STAD	Helicases	388	69	149	606	235
PRMT8	STAD	HM_w	177	331	94	602	236
BAP1	STAD	Others	254	303	42	599	237
SMYD5	STAD	HM_w	153	69	377	599	238
MTF2	STAD	HM_r	344	69	184	597	239
MEN1	STAD	ChRC	215	69	312	596	240
KDM1A	STAD	HM_e	137	202	256	595	241
EP300	STAD	HA_w	376	69	147	592	242
FBXO44	STAD	Others	141	206	244	591	243
ASXL2	STAD	Others	299	69	222	590	244
SCMH1	STAD	Others	155	255	177	587	245
SMARCD1	STAD	Helicases	34	160	392	586	246
POLR2B	STAD	Others	241	190	153	584	247
AKAP1	STAD	Others	99	178	306	583	248
DPF2	STAD	Others	96	248	237	581	249
BMI1	STAD	ChRC	147	69	363	579	250
PRDM5	STAD	HM_w	212	188	179	579	251
UHRF1	STAD	DM_r	327	210	42	579	252
SIRT7	STAD	HA_e	63	236	277	576	253
DPF1	STAD	ChRC	143	350	82	575	254
HDAC10	STAD	HA_e	118	317	133	568	255
ACTL6B	STAD	ChRC	100	411	55	566	256
PRMT2	STAD	HM_w	239	284	42	565	257
SMYD4	STAD	HM_w	172	253	140	565	258
SMYD2	STAD	HM_w	127	181	251	559	259
AIRE	STAD	HM_r	193	304	61	558	260
RPH3A	STAD	Others	259	69	230	558	261
PPARGC1A	STAD	Others	303	189	64	556	262

PADI3	STAD	Others	292	194	69	555	263
SIRT6	STAD	HA_e	50	279	226	555	264
ARID4A	STAD	ChRC	356	69	127	552	265
NCOA1	STAD	HA_w	338	69	145	552	266
SETMAR	STAD	HM_w	64	380	105	549	267
ING4	STAD	HM_r	40	290	217	547	268
KDM3A	STAD	HM_e	306	69	170	545	269
RING1	STAD	Others	198	69	278	545	270
SFMBT2	STAD	Others	372	69	104	545	271
ATF7IP	STAD	Others	349	69	126	544	272
CARM1	STAD	HM_w	169	69	305	543	273
CECR2	STAD	HA_r	325	69	148	542	274
CHD5	STAD	Helicases	402	69	71	542	275
ASXL3	STAD	Others	406	69	66	541	276
PARP2	STAD	Others	160	69	311	540	277
HDAC1	STAD	HA_e	251	69	218	538	278
RNF217	STAD	Others	260	69	209	538	279
FXR2	STAD	Others	203	292	42	537	280
ING2	STAD	HM_r	41	398	98	537	281
PRKAA2	STAD	Others	224	149	164	537	282
NAP1L3	STAD	Others	283	69	182	534	283
SIRT4	STAD	HA_e	51	185	298	534	284
SMARCD3	STAD	Helicases	85	328	118	531	285
SP140L	STAD	HA_r	125	156	250	531	286
USP51	STAD	Others	312	69	150	531	287
DNMT3L	STAD	DM_w	144	294	90	528	288
SCML2	STAD	HM_r	104	330	93	527	289
CDYL2	STAD	HM_r	297	69	159	525	290
MORF4L1	STAD	HM_r	92	198	235	525	291
PADI2	STAD	Others	262	195	68	525	292
UBR7	STAD	Others	30	147	343	520	293
BRD7	STAD	HA_r	205	176	137	518	294
UBE2B	STAD	Others	62	305	151	518	295
TCF20	STAD	Others	351	69	92	512	296
SATB1	STAD	Others	335	69	107	511	297

SMARCA2	STAD	Helicases	399	69	42	510	298
USP22	STAD	Others	194	274	42	510	299
PRMT5	STAD	HM_w	89	257	163	509	300
MSL3	STAD	HA_w	243	69	196	508	301
EPC2	STAD	Others	166	168	172	506	302
TCF19	STAD	Others	152	69	285	506	303
HDAC11	STAD	HA_e	202	204	99	505	304
KDM8	STAD	HM_e	135	172	198	505	305
MARCH5	STAD	Others	16	200	289	505	306
ARID2	STAD	ChRC	393	69	42	504	307
GATAD2A	STAD	HM_r	229	69	202	500	308
RTF1	STAD	Others	197	170	132	499	309
FBXL19	STAD	Others	78	175	245	498	310
HDAC5	STAD	HA_e	228	69	200	497	311
RBBP7	STAD	ChRC	175	69	253	497	312
CBX6	STAD	HM_r	218	69	207	494	313
DPF3	STAD	HA_r	309	69	114	492	314
PRMT7	STAD	HM_w	156	69	267	492	315
TET2	STAD	DM_e	256	169	67	492	316
BAZ1A	STAD	HA_r	319	69	100	488	317
PHF8	STAD	Others	213	218	56	487	318
GTF2B	STAD	Others	94	166	219	479	319
INTS12	STAD	Others	139	243	97	479	320
AFF1	STAD	Others	326	69	80	475	321
PRDM8	STAD	HM_w	240	69	165	474	322
DNMT1	STAD	DM_w	270	69	134	473	323
KDM3B	STAD	HM_e	362	69	42	473	324
KDM4D	STAD	HM_e	246	69	156	471	325
SSRP1	STAD	Others	103	155	208	466	326
SETD4	STAD	HM_w	129	69	266	464	327
PHC2	STAD	ChRC	159	192	111	462	328
PRDM12	STAD	HM_w	36	259	166	461	329
KDM1B	STAD	HM_e	136	69	255	460	330
HDAC7	STAD	HA_e	267	69	123	459	331
SMNDC1	STAD	Others	49	182	224	455	332

FKBP2	STAD	Others	28	152	273	453	333
SP110	STAD	HA_r	209	158	86	453	334
ORC1	STAD	Others	214	69	168	451	335
SIRT5	STAD	HA_e	87	212	152	451	336
PRDM4	STAD	HM_w	67	150	232	449	337
AURKB	STAD	Others	97	177	173	447	338
HDAC8	STAD	HA_e	117	69	259	445	339
KDM7A	STAD	HM_e	17	69	358	444	340
INO80	STAD	Helicases	332	69	42	443	341
PHC1	STAD	ChRC	132	69	241	442	342
PHF6	STAD	HM_r	53	345	42	440	343
KAT2B	STAD	HA_w	248	69	122	439	344
PCGF1	STAD	Others	38	69	331	438	345
ATAD2B	STAD	HA_r	192	69	174	435	346
KDM4C	STAD	HM_e	323	69	42	434	347
TDRD9	STAD	Others	150	179	103	432	348
CDYL	STAD	HM_r	318	69	42	429	349
PHF13	STAD	Others	90	69	270	429	350
FBXW9	STAD	Others	188	69	171	428	351
CLOCK	STAD	HA_w	231	69	125	425	352
PADI6	STAD	Others	91	239	95	425	353
PADI4	STAD	Others	162	220	42	424	354
PHF7	STAD	Others	26	286	109	421	355
TRIM33	STAD	HA_r	232	69	117	418	356
HIST1H1B	STAD	Others	266	69	81	416	357
MTA2	STAD	ChRC	134	69	212	415	358
BRDT	STAD	HA_r	272	69	72	413	359
HIST1H1C	STAD	Others	93	229	89	411	360
PRDM7	STAD	HM_w	52	69	288	409	361
MTA3	STAD	ChRC	56	310	42	408	362
SCML4	STAD	Others	196	69	142	407	363
ZMYND11	STAD	HA_r	220	69	116	405	364
HDGFL1	STAD	Others	58	291	53	402	365
DPY30	STAD	Others	29	69	303	401	366
WDR82	STAD	Others	83	273	42	398	367

HDAC3	STAD	HA_e	187	164	42	393	368
HAT1	STAD	HA_w	76	69	243	388	369
SETD6	STAD	HM_w	128	214	42	384	370
SETD7	STAD	HM_w	65	213	106	384	371
GTF2F1	STAD	Others	165	174	42	381	372
PCGF5	STAD	Others	133	193	42	368	373
UHRF2	STAD	DM_r	255	69	42	366	374
PRDM6	STAD	HM_w	15	308	42	365	375
JADE3	STAD	Others	18	69	262	349	376
HIST1H3B	STAD	Others	21	228	88	337	377
PHF1	STAD	HM_r	158	69	110	337	378
PHF23	STAD	HM_r	181	69	87	337	379
L3MBTL3	STAD	Others	113	69	154	336	380
PHF10	STAD	Others	68	69	195	332	381
SUV39H1	STAD	HM_w	124	69	139	332	382
PADI1	STAD	Others	70	196	65	331	383
PRDM1	STAD	HM_w	199	69	63	331	384
HSPBAP1	STAD	Others	116	163	42	321	385
PYGO1	STAD	HM_r	106	69	143	318	386
RPS6KA5	STAD	Others	130	69	119	318	387
TRIM66	STAD	HA_r	11	69	238	318	388
USP27X	STAD	Others	24	251	42	317	389
SETD1B	STAD	HM_w	14	69	229	312	390
PHF21B	STAD	HM_r	182	69	60	311	391
FKBP5	STAD	Others	95	69	146	310	392
SIRT3	STAD	HA_e	13	69	227	309	393
CBX7	STAD	HM_r	79	69	160	308	394
NAP1L1	STAD	Others	55	69	183	307	395
GADD45B	STAD	Others	27	205	70	302	396
PHF5A	STAD	Others	37	69	193	299	397
SMYD1	STAD	HM_w	154	69	75	298	398
PRMT6	STAD	HM_w	66	69	162	297	399
PCGF6	STAD	Others	54	69	167	290	400
L3MBTL2	STAD	Others	163	69	42	274	401
CHAF1B	STAD	ChRC	122	69	78	269	402

GADD45A	STAD	Others	22	167	77	266	403
ZCWPW2	STAD	HM_r	101	69	74	244	404
ASH2L	STAD	HM_w	123	69	42	234	405
UBE2E1	STAD	Others	32	69	128	229	406
H2AFZ	STAD	Others	42	69	113	224	407
MUM1	STAD	Others	111	69	42	222	408
AICDA	STAD	DM_e	81	69	62	212	409
KDM4E	STAD	HM_e	72	69	57	198	410
UTY	STAD	HM_e	82	69	42	193	411
HIF1AN	STAD	Others	75	69	42	186	412
JADE1	STAD	Others	20	69	83	172	413
KDM5D	STAD	HM_e	61	69	42	172	414
TDRD12	STAD	Others	12	69	84	165	415
JADE2	STAD	Others	19	69	73	161	416
BAZ1B	TGCT	HA_r	376	408	424	1208	1
ATAD2	TGCT	HA_r	406	359	421	1186	2
BRWD1	TGCT	HA_r	402	350	410	1162	3
ATRX	TGCT	Helicases	418	358	370	1146	4
BRD1	TGCT	HA_r	374	353	407	1134	5
HDAC9	TGCT	HA_e	359	378	385	1122	6
ASXL1	TGCT	Others	380	386	315	1081	7
BAP1	TGCT	Others	377	357	347	1081	8
JARID2	TGCT	ChRC	414	417	245	1076	9
KDM5C	TGCT	HM_e	393	400	282	1075	10
HIRA	TGCT	Others	292	406	375	1073	11
RSF1	TGCT	ChRC	338	370	362	1070	12
DOT1L	TGCT	HM_w	399	339	309	1047	13
AIRE	TGCT	HM_r	324	363	358	1045	14
FBXL19	TGCT	Others	397	333	285	1015	15
CHD7	TGCT	Helicases	185	407	422	1014	16
STK31	TGCT	Others	225	368	411	1004	17
DNMT3B	TGCT	DM_w	305	341	357	1003	18
ARID1B	TGCT	ChRC	409	362	228	999	19
SND1	TGCT	HM_r	331	250	418	999	20
CHD5	TGCT	Helicases	367	382	249	998	21

CBX3	TGCT	HM_r	192	383	412	987	22
SETD3	TGCT	HM_w	335	261	388	984	23
HDAC8	TGCT	HA_e	293	321	368	982	24
EED	TGCT	ChRC	177	409	395	981	25
ORC1	TGCT	Others	275	294	409	978	26
KAT8	TGCT	HA_w	356	316	304	976	27
DNMT3L	TGCT	DM_w	304	340	330	974	28
BRWD3	TGCT	HA_r	371	349	252	972	29
PBRM1	TGCT	HA_r	344	286	341	971	30
CLOCK	TGCT	HA_w	307	410	248	965	31
CHD9	TGCT	Helicases	308	345	310	963	32
HDAC4	TGCT	HA_e	361	380	219	960	33
PADI6	TGCT	Others	388	289	278	955	34
CHRA1	TGCT	ChRC	184	344	420	948	35
ARID2	TGCT	ChRC	204	361	382	947	36
BAZ2B	TGCT	HA_r	317	356	267	940	37
BRD3	TGCT	HA_r	315	385	226	926	38
BRD9	TGCT	HA_r	403	384	134	921	39
KDM4E	TGCT	HM_e	124	412	384	920	40
PRMT2	TGCT	HM_w	257	270	389	916	41
BRPF1	TGCT	HA_r	372	352	189	913	42
ACTL6A	TGCT	ChRC	209	387	316	912	43
EZH2	TGCT	HM_w	415	69	416	900	44
MSH6	TGCT	HM_r	348	302	242	892	45
PADI3	TGCT	Others	273	291	326	890	46
PRDM16	TGCT	HM_w	340	373	175	888	47
SCML2	TGCT	HM_r	245	369	274	888	48
ATM	TGCT	Others	379	414	94	887	49
BOP 1	TGCT	Others	198	354	332	884	50
EP400	TGCT	HA_w	420	69	394	883	51
BAZ2A	TGCT	HA_r	405	69	408	882	52
EPC2	TGCT	Others	301	334	247	882	53
CHD4	TGCT	Helicases	417	422	42	881	54
CHD8	TGCT	Helicases	309	346	224	879	55
KDM6A	TGCT	HM_e	351	377	148	876	56

SMARCA2	TGCT	Helicases	332	402	141	875	57
RPA3	TGCT	Others	56	392	423	871	58
PHF14	TGCT	Others	85	395	390	870	59
SMARCD1	TGCT	Helicases	234	254	378	866	60
JMJD1C	TGCT	HM_e	395	319	149	863	61
PRMT7	TGCT	HM_w	255	268	340	863	62
PHF20L1	TGCT	HM_r	386	69	402	857	63
KDM5A	TGCT	HM_e	394	420	42	856	64
TCF20	TGCT	Others	382	69	404	855	65
NAP1L1	TGCT	Others	101	397	355	853	66
TCEA1	TGCT	Others	32	415	405	852	67
CDYL2	TGCT	HM_r	370	348	132	850	68
PRDM10	TGCT	HM_w	385	418	42	845	69
H3F3A	TGCT	Others	160	326	356	842	70
SRCAP	TGCT	Others	425	249	165	839	71
HDAC11	TGCT	HA_e	294	323	221	838	72
EP300	TGCT	HA_w	364	69	399	832	73
MBD1	TGCT	DM_r	391	69	372	832	74
SMYD2	TGCT	HM_w	231	252	349	832	75
IWS1	TGCT	Others	139	320	367	826	76
CECR2	TGCT	HA_r	369	69	386	824	77
FMR1	TGCT	Others	167	329	328	824	78
KAT5	TGCT	HA_w	131	317	373	821	79
KMT2D	TGCT	HM_w	118	311	391	820	80
KMT2C	TGCT	HM_w	119	312	383	814	81
ARID4B	TGCT	ChRC	408	69	335	812	82
TRIM24	TGCT	HA_r	329	69	413	811	83
ASXL2	TGCT	Others	407	69	334	810	84
PHC3	TGCT	ChRC	91	396	323	810	85
FKBP2	TGCT	Others	169	331	307	807	86
PADI2	TGCT	Others	274	292	240	806	87
MECOM	TGCT	Others	107	398	300	805	88
KDM2B	TGCT	HM_e	355	69	380	804	89
POLR2B	TGCT	Others	78	404	322	804	90
LBR	TGCT	Others	281	308	211	800	91

BRPF3	TGCT	HA_r	195	351	253	799	92
AEBP2	TGCT	HM_w	326	426	42	794	93
RBBP7	TGCT	ChRC	60	371	363	794	94
ASH2L	TGCT	HM_w	320	69	400	789	95
PRDM2	TGCT	HM_w	411	274	101	786	96
ZMYND8	TGCT	HA_r	327	69	387	783	97
HDAC6	TGCT	HA_e	155	379	246	780	98
NCOR1	TGCT	ChRC	276	296	208	780	99
DMAP1	TGCT	Others	306	69	403	778	100
EHMT1	TGCT	HM_w	398	336	42	776	101
GTF3C4	TGCT	HA_w	296	327	153	776	102
ING3	TGCT	HM_r	287	69	419	775	103
ASXL3	TGCT	Others	319	360	95	774	104
NCOR2	TGCT	Others	426	69	279	774	105
DPF1	TGCT	ChRC	303	338	131	772	106
KAT6A	TGCT	HA_w	286	69	415	770	107
KIAA2026	TGCT	Others	282	399	89	770	108
FBXO44	TGCT	Others	172	332	265	769	109
KDM2A	TGCT	HM_e	413	314	42	769	110
SUPT16H	TGCT	Others	224	248	294	766	111
PRDM14	TGCT	HM_w	75	393	297	765	112
SIRT6	TGCT	HA_e	333	69	361	763	113
MBD3	TGCT	DM_r	111	306	345	762	114
NSD1	TGCT	HM_w	423	295	42	760	115
DNMT3A	TGCT	DM_w	400	69	286	755	116
MUM1	TGCT	Others	278	298	179	755	117
HR	TGCT	HM_e	289	69	392	750	118
GATAD2B	TGCT	HM_r	298	69	381	748	119
KDM1A	TGCT	HM_e	129	315	303	747	120
MTA1	TGCT	ChRC	102	301	343	746	121
SETD1B	TGCT	HM_w	336	69	338	743	122
PRDM13	TGCT	HM_w	262	276	203	741	123
EPC1	TGCT	Others	363	335	42	740	124
FBXO17	TGCT	Others	300	69	369	738	125
CHAF1A	TGCT	ChRC	401	69	266	736	126

SMYD3	TGCT	HM_w	230	251	255	736	127
INO80	TGCT	Helicases	358	69	305	732	128
KDM5B	TGCT	HM_e	284	69	379	732	129
MTA2	TGCT	ChRC	390	300	42	732	130
MEN1	TGCT	ChRC	280	304	146	730	131
KDM3A	TGCT	HM_e	354	69	301	724	132
DIDO1	TGCT	Others	365	69	287	721	133
ATAD2B	TGCT	HA_r	318	69	333	720	134
SETD1A	TGCT	HM_w	337	263	120	720	135
PRMT8	TGCT	HM_w	254	423	42	719	136
TDRD1	TGCT	Others	220	245	254	719	137
PHF13	TGCT	Others	86	375	257	718	138
NAP1L3	TGCT	Others	389	69	258	716	139
ATR	TGCT	Others	378	69	268	715	140
BMI1	TGCT	ChRC	199	355	160	714	141
CSTL1	TGCT	Others	183	343	188	714	142
HDAC10	TGCT	HA_e	295	324	91	710	143
SMARCA1	TGCT	Helicases	235	69	406	710	144
PARP2	TGCT	Others	97	287	325	709	145
DNMT1	TGCT	DM_w	416	69	223	708	146
PRDM7	TGCT	HM_w	261	273	174	708	147
SUV39H1	TGCT	HM_w	223	367	117	707	148
L3MBTL3	TGCT	Others	115	309	281	705	149
KDM4B	TGCT	HM_e	352	69	283	704	150
PHF21A	TGCT	HM_r	343	282	78	703	151
SETD5	TGCT	HM_w	244	260	199	703	152
PHRF1	TGCT	Others	265	394	42	701	153
SETD6	TGCT	HM_w	243	259	198	700	154
MTF2	TGCT	HM_r	346	69	280	695	155
PHF8	TGCT	Others	80	374	238	692	156
MTA3	TGCT	ChRC	347	299	42	688	157
UBE2E1	TGCT	Others	215	242	231	688	158
RPS6KA5	TGCT	Others	248	265	173	686	159
TET1	TGCT	DM_e	422	69	192	683	160
ARID4A	TGCT	ChRC	322	69	290	681	161

PAXIP1	TGCT	Others	270	69	342	681	162
ASH1L	TGCT	HM_w	321	69	289	679	163
MBD5	TGCT	DM_r	109	305	260	674	164
AICDA	TGCT	DM_e	206	425	42	673	165
CHAF1B	TGCT	ChRC	187	69	417	673	166
NCOA1	TGCT	HA_w	277	69	327	673	167
RING1	TGCT	Others	251	69	353	673	168
PHF10	TGCT	Others	89	284	299	672	169
ELP3	TGCT	HA_w	176	69	425	670	170
HAT1	TGCT	HA_w	159	325	186	670	171
PRDM15	TGCT	HM_w	74	275	321	670	172
SIRT3	TGCT	HA_e	46	390	234	670	173
TDRKH	TGCT	Others	330	69	270	669	174
ACTL6B	TGCT	ChRC	208	364	96	668	175
PPARGC1A	TGCT	Others	264	279	125	668	176
SETMAR	TGCT	HM_w	241	257	170	668	177
PSIP1	TGCT	HM_r	253	372	42	667	178
HDAC2	TGCT	HA_e	157	322	185	664	179
ATF7IP	TGCT	Others	202	419	42	663	180
PHC2	TGCT	ChRC	387	69	206	662	181
TAF1L	TGCT	HA_r	222	246	194	662	182
SIN3B	TGCT	ChRC	240	69	352	661	183
SIRT2	TGCT	HA_e	238	69	351	658	184
NCOA3	TGCT	HA_w	345	69	241	655	185
PRDM9	TGCT	HM_w	259	272	123	654	186
FKBP5	TGCT	Others	168	330	154	652	187
TAF3	TGCT	HA_r	221	389	42	652	188
ZCWPW1	TGCT	HM_r	13	235	401	649	189
CREBBP	TGCT	HA_w	424	69	155	648	190
PHF11	TGCT	Others	88	283	277	648	191
RNF40	TGCT	Others	339	266	42	647	192
CHD1L	TGCT	Helicases	186	347	113	646	193
RBBP5	TGCT	ChRC	252	69	319	640	194
ELP4	TGCT	HA_w	175	381	80	636	195
BPTF	TGCT	HA_r	375	69	190	634	196

CBX6	TGCT	HM_r	312	69	251	632	197
L3MBTL1	TGCT	HM_r	350	69	213	632	198
UBR7	TGCT	Others	20	241	371	632	199
SHPRH	TGCT	Others	334	255	42	631	200
CHD3	TGCT	Helicases	310	69	250	629	201
KDM4D	TGCT	HM_e	125	413	90	628	202
DPY30	TGCT	Others	178	69	377	624	203
MSL3	TGCT	HA_w	103	376	145	624	204
TDRD9	TGCT	Others	218	244	162	624	205
HDAC7	TGCT	HA_e	154	69	398	621	206
HDAC1	TGCT	HA_e	158	69	393	620	207
RNF217	TGCT	Others	57	267	296	620	208
MLLT10	TGCT	HM_w	105	303	210	618	209
KMT2A	TGCT	HM_w	121	416	79	616	210
TDRD6	TGCT	Others	381	69	163	613	211
GADD45A	TGCT	Others	165	69	376	610	212
SMNDC1	TGCT	Others	39	253	318	610	213
KDM6B	TGCT	HM_e	392	69	147	608	214
CBX4	TGCT	HM_r	313	69	225	607	215
L3MBTL4	TGCT	Others	114	405	88	607	216
KDM7A	TGCT	HM_e	123	69	414	606	217
NAP1L2	TGCT	Others	100	297	209	606	218
ING4	TGCT	HM_r	142	421	42	605	219
PADI4	TGCT	Others	272	290	42	604	220
CXXC1	TGCT	Others	421	69	112	602	221
GADD45B	TGCT	Others	164	328	110	602	222
BRDT	TGCT	HA_r	196	69	331	596	223
RNF20	TGCT	Others	250	69	276	595	224
CHD1	TGCT	Helicases	368	69	157	594	225
EHMT2	TGCT	HM_w	302	69	222	593	226
PHF19	TGCT	HM_r	268	69	256	593	227
SMYD5	TGCT	HM_w	229	69	295	593	228
CHD6	TGCT	Helicases	366	69	156	591	229
PHIP	TGCT	HA_r	266	280	42	588	230
AURKB	TGCT	Others	201	69	314	584	231

BAZ1A	TGCT	HA_r	200	69	313	582	232
UBE2A	TGCT	Others	22	243	317	582	233
HDAC5	TGCT	HA_e	360	69	152	581	234
JADE3	TGCT	Others	136	69	374	579	235
TET3	TGCT	DM_e	217	69	293	579	236
DPF3	TGCT	HA_r	179	69	329	577	237
TP53BP1	TGCT	Others	216	69	292	577	238
PHF3	TGCT	Others	267	69	239	575	239
ING1	TGCT	HM_r	288	69	216	573	240
CBX8	TGCT	ChRC	189	69	312	570	241
KDM4C	TGCT	HM_e	126	401	42	569	242
CDYL	TGCT	HM_r	188	69	311	568	243
PWWP2B	TGCT	Others	65	403	99	567	244
SP140L	TGCT	HA_r	226	69	272	567	245
CTCF	TGCT	Others	182	342	42	566	246
KAT7	TGCT	HA_w	130	69	366	565	247
PARP1	TGCT	Others	98	288	178	564	248
HNF1A	TGCT	ChRC	147	69	346	562	249
DPF2	TGCT	Others	180	337	42	559	250
ZMYND11	TGCT	HA_r	11	411	137	559	251
PHC1	TGCT	ChRC	92	424	42	558	252
TRIM28	TGCT	HA_r	328	69	161	558	253
KAT2B	TGCT	HA_w	132	318	107	557	254
PCMT1	TGCT	Others	93	285	177	555	255
KANSL1	TGCT	HA_w	357	69	128	554	256
CARM1	TGCT	HM_w	194	69	288	551	257
FBXW9	TGCT	Others	171	69	308	548	258
SETD4	TGCT	HM_w	52	69	426	547	259
PCGF6	TGCT	Others	269	69	207	545	260
HIST1H1B	TGCT	Others	291	69	184	544	261
SIRT1	TGCT	HA_e	239	69	235	543	262
HIST1H1C	TGCT	Others	290	69	183	542	263
SFMBT1	TGCT	HM_r	49	256	236	541	264
PRDM4	TGCT	HM_w	73	69	397	539	265
RAI1	TGCT	Others	384	69	83	536	266

SMARCA5	TGCT	Helicases	383	69	81	533	267
KMT2E	TGCT	HM_w	117	310	105	532	268
HCFC1	TGCT	Others	419	69	42	530	269
PCGF2	TGCT	Others	95	69	365	529	270
HDGF	TGCT	Others	153	69	306	528	271
KDM3B	TGCT	HM_e	353	69	106	528	272
MLLT6	TGCT	HM_w	279	69	180	528	273
ARID1A	TGCT	ChRC	323	69	135	527	274
PRMT3	TGCT	HM_w	256	69	202	527	275
GATAD2A	TGCT	HM_r	362	69	93	524	276
USP51	TGCT	Others	16	239	269	524	277
MBD2	TGCT	DM_r	112	307	104	523	278
PHF2	TGCT	Others	412	69	42	523	279
SFMBT2	TGCT	Others	48	391	82	521	280
SMARCA4	TGCT	Helicases	410	69	42	521	281
PADI1	TGCT	Others	99	293	126	518	282
MORF4L1	TGCT	HM_r	104	69	344	517	283
SATB1	TGCT	Others	247	69	200	516	284
SETDB1	TGCT	HM_w	51	69	396	516	285
BRD4	TGCT	HA_r	404	69	42	515	286
PHF21B	TGCT	HM_r	342	69	102	513	287
PRDM11	TGCT	HM_w	263	69	176	508	288
GTF2H1	TGCT	Others	396	69	42	507	289
MPHOSPH8	TGCT	HM_r	349	69	86	504	290
SIRT5	TGCT	HA_e	237	69	197	503	291
SIRT7	TGCT	HA_e	236	69	196	501	292
ATAT1	TGCT	Others	203	69	227	499	293
G2E3	TGCT	Others	166	69	264	499	294
KDM1B	TGCT	HM_e	128	69	302	499	295
IDH2	TGCT	DM_e	144	69	284	497	296
GTF2F1	TGCT	Others	162	69	263	494	297
RBBP4	TGCT	ChRC	61	69	364	494	298
SP100	TGCT	HA_r	228	69	195	492	299
WDR5	TGCT	ChRC	211	238	42	491	300
PCGF1	TGCT	Others	96	69	324	489	301

SCML4	TGCT	Others	54	264	171	489	302
SCMH1	TGCT	Others	246	69	172	487	303
PYGO2	TGCT	HM_r	63	69	354	486	304
BRD8	TGCT	HA_r	373	69	42	484	305
PRKCD	TGCT	Others	69	271	143	483	306
KAT6B	TGCT	HA_w	285	69	127	481	307
YY1	TGCT	ChRC	14	236	230	480	308
KMT2B	TGCT	HM_w	120	313	42	475	309
ZCWPW2	TGCT	HM_r	12	234	229	475	310
SMARCB1	TGCT	Helicases	44	69	360	473	311
PRKAA2	TGCT	Others	258	69	144	471	312
SMARCE1	TGCT	Helicases	233	69	169	471	313
SMYD1	TGCT	HM_w	232	69	168	469	314
RNF2	TGCT	ChRC	58	69	339	466	315
JMJD8	TGCT	HM_e	134	69	262	465	316
SIRT4	TGCT	HA_e	45	69	350	464	317
SP140	TGCT	HA_r	227	69	166	462	318
KDM4A	TGCT	HM_e	127	69	261	457	319
PRMT6	TGCT	HM_w	66	69	320	455	320
SIN3A	TGCT	ChRC	47	69	337	453	321
PHF23	TGCT	HM_r	341	69	42	452	322
TDRD12	TGCT	Others	219	69	164	452	323
TRIM33	TGCT	HA_r	24	69	359	452	324
PHF20	TGCT	HM_r	84	69	298	451	325
UHRF2	TGCT	DM_r	19	388	42	449	326
JMJD6	TGCT	HM_e	135	69	244	448	327
TDG	TGCT	ChRC	30	69	348	447	328
SMARCD2	TGCT	Helicases	41	69	336	446	329
HDAC3	TGCT	HA_e	156	69	220	445	330
KAT2A	TGCT	HA_w	133	69	243	445	331
PAF1	TGCT	Others	271	69	103	443	332
TAF1	TGCT	HA_r	33	366	42	441	333
PRDM1	TGCT	HM_w	77	278	85	440	334
HDGFL1	TGCT	Others	152	69	218	439	335
PHF7	TGCT	Others	81	281	77	439	336

PRDM12	TGCT	HM_w	76	277	84	437	337
AFF4	TGCT	Others	325	69	42	436	338
HLTF	TGCT	Others	148	69	217	434	339
MECP2	TGCT	DM_r	106	69	259	434	340
SETD7	TGCT	HM_w	242	69	119	430	341
PRDM8	TGCT	HM_w	260	69	100	429	342
BRD2	TGCT	HA_r	316	69	42	427	343
FKBP1A	TGCT	Others	170	69	187	426	344
CBX1	TGCT	HM_r	314	69	42	425	345
INTS12	TGCT	Others	140	69	215	424	346
USP27X	TGCT	Others	17	365	42	424	347
CHD2	TGCT	Helicases	311	69	42	422	348
CBX2	TGCT	ChRC	193	69	159	421	349
CBX5	TGCT	HM_r	191	69	158	418	350
ZGPAT	TGCT	Others	210	69	138	417	351
AKAP1	TGCT	Others	205	69	136	410	352
FXR2	TGCT	Others	299	69	42	410	353
GLYR1	TGCT	HM_r	297	69	42	408	354
SETDB2	TGCT	HM_w	50	258	98	406	355
KDM8	TGCT	HM_e	122	69	214	405	356
RTF1	TGCT	Others	55	69	275	399	357
UBE2I	TGCT	Others	214	69	115	398	358
L3MBTL2	TGCT	Others	116	69	212	397	359
ING2	TGCT	HM_r	143	69	182	394	360
KDM5D	TGCT	HM_e	283	69	42	394	361
RPH3A	TGCT	Others	249	69	76	394	362
CBX7	TGCT	HM_r	190	69	133	392	363
ING5	TGCT	HM_r	141	69	181	391	364
AFF1	TGCT	Others	207	69	114	390	365
POLE3	TGCT	ChRC	79	69	237	385	366
SMARCC2	TGCT	Helicases	42	69	273	384	367
UBE2B	TGCT	Others	21	69	291	381	368
PRMT5	TGCT	HM_w	67	269	42	378	369
SUZ12	TGCT	ChRC	34	69	271	374	370
ERCC5	TGCT	Others	174	69	130	373	371

HIST1H3B	TGCT	Others	149	69	151	369	372
IDH1	TGCT	DM_e	145	69	150	364	373
PHF1	TGCT	HM_r	90	69	205	364	374
DAXX	TGCT	ChRC	181	69	111	361	375
PHF12	TGCT	Others	87	69	204	360	376
SETD2	TGCT	HM_w	53	262	42	357	377
JADE1	TGCT	Others	138	69	129	336	378
PYGO1	TGCT	HM_r	64	69	201	334	379
TDRD10	TGCT	Others	29	69	233	331	380
HELLS	TGCT	Helicases	151	69	109	329	381
TDRD5	TGCT	Others	27	69	232	328	382
SUV39H2	TGCT	HM_w	35	247	42	324	383
UHRF1	TGCT	DM_r	213	69	42	324	384
UTY	TGCT	HM_e	212	69	42	323	385
H2AFZ	TGCT	Others	161	69	92	322	386
JADE2	TGCT	Others	137	69	108	314	387
BRD7	TGCT	HA_r	197	69	42	308	388
USP22	TGCT	Others	18	240	42	300	389
WDR82	TGCT	Others	15	237	42	294	390
TCF19	TGCT	Others	31	69	193	293	391
EZH1	TGCT	HM_w	173	69	42	284	392
TRIM66	TGCT	HA_r	23	69	191	283	393
PRMT1	TGCT	HM_w	68	69	142	279	394
GTF2B	TGCT	Others	163	69	42	274	395
SMYD4	TGCT	HM_w	38	69	167	274	396
PRDM5	TGCT	HM_w	72	69	124	265	397
MBTD1	TGCT	Others	108	69	87	264	398
HIF1AN	TGCT	Others	150	69	42	261	399
HSPBAP1	TGCT	Others	146	69	42	257	400
RAG2	TGCT	HM_r	62	69	122	253	401
RNF17	TGCT	Others	59	69	121	249	402
SMARCD3	TGCT	Helicases	40	69	140	249	403
SP110	TGCT	HA_r	37	69	139	245	404
SMARCC1	TGCT	Helicases	43	69	118	230	405
MARCH5	TGCT	Others	113	69	42	224	406

MBD4	TGCT	DM_r	110	69	42	221	407
TDRD7	TGCT	Others	26	69	116	211	408
PCGF5	TGCT	Others	94	69	42	205	409
PHF5A	TGCT	Others	83	69	42	194	410
PHF6	TGCT	HM_r	82	69	42	193	411
TET2	TGCT	DM_e	25	69	97	191	412
PRDM6	TGCT	HM_w	71	69	42	182	413
PRKAA1	TGCT	Others	70	69	42	181	414
TDRD3	TGCT	HM_r	28	69	75	172	415
SSRP1	TGCT	Others	36	69	42	147	416
CDYL2	THCA	HM_r	405	398	378	1181	1
CBX1	THCA	HM_r	367	402	410	1179	2
KAT6B	THCA	HA_w	396	419	347	1162	3
CHAF1A	THCA	ChRC	363	373	377	1113	4
KDM4B	THCA	HM_e	337	364	412	1113	5
HDAC10	THCA	HA_e	349	396	360	1105	6
BRD8	THCA	HA_r	370	375	353	1098	7
NSD1	THCA	HM_w	415	359	320	1094	8
BRD1	THCA	HA_r	257	403	424	1084	9
BAZ1B	THCA	HA_r	372	349	354	1075	10
CHD3	THCA	Helicases	420	344	311	1075	11
HDAC9	THCA	HA_e	347	329	391	1067	12
KAT2A	THCA	HA_w	397	392	278	1067	13
MECP2	THCA	DM_r	393	361	302	1056	14
BPTF	THCA	HA_r	421	404	221	1046	15
AFF4	THCA	Others	275	376	392	1043	16
HDAC5	THCA	HA_e	398	395	242	1035	17
PRDM2	THCA	HM_w	387	306	330	1023	18
ATRX	THCA	Helicases	374	351	289	1014	19
SP140	THCA	HA_r	381	290	343	1014	20
HELLS	THCA	Helicases	346	328	337	1011	21
KDM5B	THCA	HM_e	161	418	417	996	22
HDAC3	THCA	HA_e	198	367	422	987	23
DPF3	THCA	HA_r	357	341	284	982	24
TRIM24	THCA	HA_r	286	280	400	966	25

CBX2	THCA	ChRC	366	401	195	962	26
PCGF2	THCA	Others	392	389	180	961	27
CBX4	THCA	HM_r	247	400	312	959	28
FXR2	THCA	Others	213	336	409	958	29
AKAP1	THCA	Others	272	405	264	941	30
GTF2H1	THCA	Others	206	333	402	941	31
CBX8	THCA	ChRC	245	399	287	931	32
GTF2F1	THCA	Others	207	334	383	924	33
EPC1	THCA	Others	222	339	362	923	34
DOT1L	THCA	HM_w	358	371	193	922	35
KDM6B	THCA	HM_e	394	321	204	919	36
ZCWPW1	THCA	HM_r	282	276	355	913	37
H3F3A	THCA	Others	203	421	281	905	38
FKBP5	THCA	Others	214	337	350	901	39
NCOR1	THCA	ChRC	416	313	170	899	40
POLE3	THCA	ChRC	103	385	411	899	41
PCGF5	THCA	Others	121	388	389	898	42
STK31	THCA	Others	411	288	197	896	43
CHRA1	THCA	ChRC	238	372	285	895	44
RBBP5	THCA	ChRC	84	412	394	890	45
SMARCA1	THCA	Helicases	383	296	210	889	46
GADD45B	THCA	Others	211	369	308	888	47
PARP1	THCA	Others	126	415	346	887	48
JMJD1C	THCA	HM_e	424	420	42	886	49
HDAC8	THCA	HA_e	348	330	206	884	50
TET1	THCA	DM_e	287	407	187	881	51
KMT2E	THCA	HM_w	152	317	407	876	52
SP140L	THCA	HA_r	291	289	295	875	53
SMYD2	THCA	HM_w	48	409	413	870	54
HDAC6	THCA	HA_e	196	331	338	865	55
KDM5A	THCA	HM_e	335	323	205	863	56
TDRD5	THCA	Others	288	282	293	863	57
PRDM9	THCA	HM_w	413	303	146	862	58
PHF11	THCA	Others	113	414	332	859	59
NAP1L3	THCA	Others	326	314	216	856	60

SMYD3	THCA	HM_w	47	424	385	856	61
ASH1L	THCA	HM_w	422	69	364	855	62
UBE2A	THCA	Others	284	279	291	854	63
TAF1L	THCA	HA_r	379	285	188	852	64
HDAC4	THCA	HA_e	197	332	322	851	65
JMJD6	THCA	HM_e	172	394	279	845	66
EZH1	THCA	HM_w	399	397	42	838	67
PHF2	THCA	Others	108	311	419	838	68
BRD3	THCA	HA_r	371	423	42	836	69
MLLT6	THCA	HM_w	140	390	301	831	70
SMARCE1	THCA	Helicases	51	379	401	831	71
CECR2	THCA	HA_r	243	425	162	830	72
GATAD2B	THCA	HM_r	351	69	408	828	73
PRDM4	THCA	HM_w	386	69	369	824	74
KDM2B	THCA	HM_e	340	69	414	823	75
KDM6A	THCA	HM_e	334	322	166	822	76
LBR	THCA	Others	147	417	257	821	77
CARM1	THCA	HM_w	249	346	220	815	78
CBX5	THCA	HM_r	365	69	379	813	79
MUM1	THCA	Others	132	316	359	807	80
ACTL6B	THCA	ChRC	278	353	175	806	81
SIRT7	THCA	HA_e	57	381	365	803	82
ATAD2	THCA	HA_r	407	352	42	801	83
GTF3C4	THCA	HA_w	205	422	173	800	84
HIRA	THCA	Others	191	366	241	798	85
HIST1H1C	THCA	Others	345	69	375	789	86
PRDM16	THCA	HM_w	388	69	331	788	87
USP22	THCA	Others	18	377	393	788	88
CTCF	THCA	Others	402	343	42	787	89
MPHOSPH8	THCA	HM_r	328	69	390	787	90
TDRD6	THCA	Others	377	69	341	787	91
DNMT1	THCA	DM_w	401	342	42	785	92
FBXW9	THCA	Others	217	338	230	785	93
KAT8	THCA	HA_w	341	69	373	783	94
BAP1	THCA	Others	373	69	339	781	95

BRWD3	THCA	HA_r	250	347	184	781	96
MBD3	THCA	DM_r	144	362	275	781	97
SIRT4	THCA	HA_e	295	69	416	780	98
KANSL1	THCA	HA_w	342	393	42	777	99
DPY30	THCA	Others	228	340	208	776	100
PRDM15	THCA	HM_w	389	69	318	776	101
FBXO44	THCA	Others	354	69	351	774	102
MEN1	THCA	ChRC	330	69	372	771	103
PHF10	THCA	Others	114	312	345	771	104
SETDB1	THCA	HM_w	298	69	404	771	105
RBBP7	THCA	ChRC	83	358	329	770	106
SIRT6	THCA	HA_e	58	356	356	770	107
RBBP4	THCA	ChRC	304	69	395	768	108
AURKB	THCA	Others	262	350	155	767	109
RNF20	THCA	Others	80	299	387	766	110
FMR1	THCA	Others	353	370	42	765	111
HCFC1	THCA	Others	350	368	42	760	112
SMARCD2	THCA	Helicases	52	380	327	759	113
JMJD8	THCA	HM_e	171	325	258	754	114
SETD6	THCA	HM_w	299	69	386	754	115
MSL3	THCA	HA_w	137	360	256	753	116
IDH1	THCA	DM_e	184	327	240	751	117
SETDB2	THCA	HM_w	66	411	270	747	118
KDM3B	THCA	HM_e	338	365	42	745	119
PRMT3	THCA	HM_w	307	69	368	744	120
SMYD4	THCA	HM_w	46	293	403	742	121
PHRF1	THCA	Others	390	307	42	739	122
ARID4B	THCA	ChRC	269	426	42	737	123
CHD2	THCA	Helicases	404	69	262	735	124
PRMT1	THCA	HM_w	309	69	357	735	125
EPC2	THCA	Others	355	69	310	734	126
ATAD2B	THCA	HA_r	265	69	399	733	127
TP53BP1	THCA	Others	410	69	249	728	128
RNF2	THCA	ChRC	303	382	42	727	129
SETD1A	THCA	HM_w	385	69	271	725	130

INO80	THCA	Helicases	344	69	307	720	131
NAP1L2	THCA	Others	131	315	274	720	132
PRDM8	THCA	HM_w	414	69	237	720	133
CHD4	THCA	Helicases	362	69	286	717	134
EP300	THCA	HA_w	224	69	420	713	135
EHMT2	THCA	HM_w	356	69	283	708	136
TCF20	THCA	Others	378	283	42	703	137
KDM4C	THCA	HM_e	336	324	42	702	138
POLR2B	THCA	Others	313	69	319	701	139
SCML2	THCA	HM_r	72	357	272	701	140
TDRD7	THCA	Others	376	281	42	699	141
ASXL3	THCA	Others	266	69	363	698	142
TET3	THCA	DM_e	375	69	250	694	143
TRIM28	THCA	HA_r	285	69	340	694	144
EP400	THCA	HA_w	223	69	398	690	145
PRMT7	THCA	HM_w	90	302	298	690	146
CREBBP	THCA	HA_w	359	69	260	688	147
SMARCD3	THCA	Helicases	292	69	326	687	148
HDGF	THCA	Others	194	69	421	684	149
PHF23	THCA	HM_r	319	309	42	670	150
BRD9	THCA	HA_r	253	374	42	669	151
PHF20L1	THCA	HM_r	106	310	253	669	152
PHF6	THCA	HM_r	317	308	42	667	153
SMARCA2	THCA	Helicases	56	295	316	667	154
DNMT3B	THCA	DM_w	232	69	352	653	155
PRDM12	THCA	HM_w	100	413	139	652	156
SFMBT2	THCA	Others	384	69	199	652	157
ASH2L	THCA	HM_w	268	69	314	651	158
HAT1	THCA	HA_w	202	69	376	647	159
RAI1	THCA	Others	305	300	42	647	160
HDAC7	THCA	HA_e	195	69	382	646	161
BRD4	THCA	HA_r	255	348	42	645	162
L3MBTL2	THCA	Others	150	69	425	644	163
BAZ2A	THCA	HA_r	260	69	313	642	164
CBX6	THCA	HM_r	364	69	209	642	165

PHF7	THCA	Others	316	69	252	637	166
SIN3B	THCA	ChRC	297	298	42	637	167
AFF1	THCA	Others	276	69	290	635	168
SIRT2	THCA	HA_e	296	69	269	634	169
HDAC1	THCA	HA_e	201	69	361	631	170
SMARCA4	THCA	Helicases	294	294	42	630	171
HR	THCA	HM_e	186	69	374	629	172
CHD1	THCA	Helicases	241	345	42	628	173
UBE2B	THCA	Others	24	355	248	627	174
BRDT	THCA	HA_r	369	69	185	623	175
CHD7	THCA	Helicases	360	69	194	623	176
PRDM7	THCA	HM_w	96	384	140	620	177
NCOR2	THCA	Others	323	69	227	619	178
TAF1	THCA	HA_r	290	286	42	618	179
BRD2	THCA	HA_r	256	69	288	613	180
BRWD1	THCA	HA_r	368	69	174	611	181
RNF17	THCA	Others	81	383	145	609	182
SIRT3	THCA	HA_e	60	297	251	608	183
MECOM	THCA	Others	141	69	397	607	184
HNF1A	THCA	ChRC	187	69	349	605	185
PRDM5	THCA	HM_w	98	305	201	604	186
GTF2B	THCA	Others	208	69	323	600	187
KAT7	THCA	HA_w	167	391	42	600	188
MBTD1	THCA	Others	142	416	42	600	189
PAXIP1	THCA	Others	124	69	406	599	190
ATAT1	THCA	Others	264	69	263	596	191
FBXO17	THCA	Others	218	69	309	596	192
ING4	THCA	HM_r	179	69	348	596	193
PHF5A	THCA	Others	104	69	423	596	194
PPARGC1A	THCA	Others	312	69	214	595	195
SUV39H1	THCA	HM_w	39	287	268	594	196
HLTF	THCA	Others	188	69	336	593	197
CHD5	THCA	Helicases	361	69	161	591	198
MORF4L1	THCA	HM_r	139	69	381	589	199
GATAD2A	THCA	HM_r	210	335	42	587	200

PYGO1	THCA	HM_r	306	69	212	587	201
NCOA1	THCA	HA_w	325	69	190	584	202
ZGPAT	THCA	Others	281	69	233	583	203
USP51	THCA	Others	283	69	224	576	204
PADI6	THCA	Others	320	69	181	570	205
CLOCK	THCA	HA_w	237	69	261	567	206
KDM4D	THCA	HM_e	163	69	335	567	207
NAP1L1	THCA	Others	327	69	171	567	208
RNF40	THCA	Others	78	69	418	565	209
ATF7IP	THCA	Others	263	69	232	564	210
JARID2	THCA	ChRC	343	69	151	563	211
PCGF1	THCA	Others	122	69	371	562	212
ASXL2	THCA	Others	267	69	223	559	213
DPF1	THCA	ChRC	230	69	259	558	214
KDM1A	THCA	HM_e	166	69	321	556	215
H2AFZ	THCA	Others	204	69	282	555	216
PADI2	THCA	Others	321	69	165	555	217
PHF1	THCA	HM_r	115	69	370	554	218
PRMT8	THCA	HM_w	89	69	396	554	219
BAZ1A	THCA	HA_r	261	69	222	552	220
KDM7A	THCA	HM_e	158	69	324	551	221
L3MBTL4	THCA	Others	148	69	334	551	222
MARCH5	THCA	Others	146	363	42	551	223
SMARCB1	THCA	Helicases	55	69	426	550	224
CXXC1	THCA	Others	235	69	245	549	225
HDAC11	THCA	HA_e	200	69	280	549	226
DAXX	THCA	ChRC	234	69	244	547	227
ING5	THCA	HM_r	178	326	42	546	228
PADI1	THCA	Others	322	69	153	544	229
PYGO2	THCA	HM_r	86	69	388	543	230
SETD3	THCA	HM_w	69	69	405	543	231
PHF12	THCA	Others	112	387	42	541	232
KDM1B	THCA	HM_e	165	69	306	540	233
ARID1B	THCA	ChRC	426	69	42	537	234
PHF19	THCA	HM_r	109	386	42	537	235

ATM	THCA	Others	425	69	42	536	236
KDM4E	THCA	HM_e	162	69	305	536	237
ATR	THCA	Others	423	69	42	534	238
DMAP1	THCA	Others	233	69	231	533	239
SP110	THCA	HA_r	42	291	198	531	240
CHAF1B	THCA	ChRC	242	69	219	530	241
CHD9	THCA	Helicases	419	69	42	530	242
DIDO1	THCA	Others	418	69	42	529	243
KMT2A	THCA	HM_w	156	69	304	529	244
DNMT3A	THCA	DM_w	417	69	42	528	245
FKBP1A	THCA	Others	216	69	243	528	246
SND1	THCA	HM_r	44	69	415	528	247
PARP2	THCA	Others	125	69	333	527	248
PRDM13	THCA	HM_w	310	69	147	526	249
SETD5	THCA	HM_w	412	69	42	523	250
PRKAA2	THCA	Others	94	69	358	521	251
ARID2	THCA	ChRC	409	69	42	520	252
ASXL1	THCA	Others	408	69	42	519	253
KIAA2026	THCA	Others	157	320	42	519	254
BAZ2B	THCA	HA_r	406	69	42	517	255
MBD2	THCA	DM_r	145	69	303	517	256
KAT2B	THCA	HA_w	170	69	277	516	257
KMT2B	THCA	HM_w	155	319	42	516	258
PRDM1	THCA	HM_w	102	69	344	515	259
CHD6	THCA	Helicases	403	69	42	514	260
KMT2C	THCA	HM_w	154	318	42	514	261
BOP 1	THCA	Others	258	69	186	513	262
SIRT1	THCA	HA_e	61	410	42	513	263
ZMYND8	THCA	HA_r	280	69	164	513	264
EED	THCA	ChRC	400	69	42	511	265
RPS6KA5	THCA	Others	75	69	367	511	266
GADD45A	THCA	Others	212	69	229	510	267
EZH2	THCA	HM_w	220	69	218	507	268
KDM2A	THCA	HM_e	395	69	42	506	269
SETD1B	THCA	HM_w	70	69	366	505	270

AICDA	THCA	DM_e	274	69	160	503	271
PHF21A	THCA	HM_r	391	69	42	502	272
KMT2D	THCA	HM_w	153	69	276	498	273
TDRD1	THCA	Others	289	69	138	496	274
SMARCA5	THCA	Helicases	382	69	42	493	275
FKBP2	THCA	Others	215	69	207	491	276
SRCAP	THCA	Others	380	69	42	491	277
JADE1	THCA	Others	175	69	246	490	278
AIRE	THCA	HM_r	273	69	144	486	279
PHC2	THCA	ChRC	117	69	300	486	280
TDG	THCA	ChRC	33	69	384	486	281
FBXL19	THCA	Others	219	69	192	480	282
TDRD3	THCA	HM_r	30	408	42	480	283
RING1	THCA	Others	82	69	328	479	284
CBX7	THCA	HM_r	246	69	163	478	285
ELP3	THCA	HA_w	226	69	183	478	286
TAF3	THCA	HA_r	36	284	156	476	287
PHF21B	THCA	HM_r	105	69	299	473	288
G2E3	THCA	Others	352	69	42	463	289
WDR5	THCA	ChRC	15	406	42	463	290
ZMYND11	THCA	HA_r	11	69	380	460	291
SATB1	THCA	Others	73	69	317	459	292
SUZ12	THCA	ChRC	37	378	42	457	293
KAT6A	THCA	HA_w	168	69	217	454	294
ORC1	THCA	Others	130	69	255	454	295
KDM3A	THCA	HM_e	339	69	42	450	296
PAF1	THCA	Others	127	69	254	450	297
CSTL1	THCA	Others	236	69	142	447	298
TCEA1	THCA	Others	35	69	342	446	299
KDM8	THCA	HM_e	333	69	42	444	300
DNMT3L	THCA	DM_w	231	69	143	443	301
MBD1	THCA	DM_r	332	69	42	443	302
MTA2	THCA	ChRC	135	69	239	443	303
PRDM6	THCA	HM_w	97	304	42	443	304
MBD5	THCA	DM_r	331	69	42	442	305

MLLT10	THCA	HM_w	329	69	42	440	306
HIST1H3B	THCA	Others	189	69	179	437	307
SMARCD1	THCA	Helicases	53	69	315	437	308
NCOA3	THCA	HA_w	324	69	42	435	309
MTA1	THCA	ChRC	136	69	228	433	310
PSIP1	THCA	HM_r	88	301	42	431	311
HDGFL1	THCA	Others	193	69	168	430	312
PHF3	THCA	Others	318	69	42	429	313
ING2	THCA	HM_r	181	69	178	428	314
HIST1H1B	THCA	Others	190	69	167	426	315
PHF8	THCA	Others	315	69	42	426	316
PHIP	THCA	HA_r	314	69	42	425	317
TDRD9	THCA	Others	29	69	325	423	318
PRDM10	THCA	HM_w	311	69	42	422	319
SMARCC1	THCA	Helicases	54	69	297	420	320
PRMT2	THCA	HM_w	308	69	42	419	321
RPA3	THCA	Others	77	69	273	419	322
PHF13	THCA	Others	111	69	238	418	323
UHRF1	THCA	DM_r	20	354	42	416	324
RSF1	THCA	ChRC	302	69	42	413	325
SCMH1	THCA	Others	301	69	42	412	326
SETD2	THCA	HM_w	300	69	42	411	327
SMYD5	THCA	HM_w	45	69	296	410	328
L3MBTL3	THCA	Others	149	69	191	409	329
IDH2	THCA	DM_e	183	69	154	406	330
SMARCC2	THCA	Helicases	293	69	42	404	331
L3MBTL1	THCA	HM_r	151	69	182	402	332
PHC1	THCA	ChRC	118	69	215	402	333
PBRM1	THCA	HA_r	123	69	203	395	334
TDRD10	THCA	Others	32	69	294	395	335
JADE3	THCA	Others	173	69	152	394	336
ACTL6A	THCA	ChRC	279	69	42	390	337
MBD4	THCA	DM_r	143	69	177	389	338
AEBP2	THCA	HM_w	277	69	42	388	339
KDM5C	THCA	HM_e	160	69	159	388	340

TRIM66	THCA	HA_r	25	69	292	386	341
ARID1A	THCA	ChRC	271	69	42	382	342
ARID4A	THCA	ChRC	270	69	42	381	343
SP100	THCA	HA_r	43	292	42	377	344
MTF2	THCA	HM_r	133	69	172	374	345
SETD4	THCA	HM_w	68	69	236	373	346
BMI1	THCA	ChRC	259	69	42	370	347
PRDM14	THCA	HM_w	99	69	202	370	348
TCF19	THCA	Others	34	69	267	370	349
PWWP2B	THCA	Others	87	69	213	369	350
SETMAR	THCA	HM_w	65	69	235	369	351
SCML4	THCA	Others	71	69	226	366	352
BRD7	THCA	HA_r	254	69	42	365	353
BRPF1	THCA	HA_r	252	69	42	363	354
BRPF3	THCA	HA_r	251	69	42	362	355
SIRT5	THCA	HA_e	59	69	234	362	356
CBX3	THCA	HM_r	248	69	42	359	357
UBE2I	THCA	Others	22	69	266	357	358
CDYL	THCA	HM_r	244	69	42	355	359
CHD1L	THCA	Helicases	240	69	42	351	360
CHD8	THCA	Helicases	239	69	42	350	361
YY1	THCA	ChRC	13	69	265	347	362
PADI3	THCA	Others	129	69	148	346	363
PRDM11	THCA	HM_w	101	69	176	346	364
SFMBT1	THCA	HM_r	64	69	211	344	365
DPF2	THCA	Others	229	69	42	340	366
UHRF2	THCA	DM_r	19	278	42	339	367
EHMT1	THCA	HM_w	227	69	42	338	368
PHF14	THCA	Others	110	69	158	337	369
RNF217	THCA	Others	79	69	189	337	370
ELP4	THCA	HA_w	225	69	42	336	371
SETD7	THCA	HM_w	67	69	200	336	372
USP27X	THCA	Others	17	277	42	336	373
ERCC5	THCA	Others	221	69	42	332	374
SUV39H2	THCA	HM_w	38	69	225	332	375

ZCWPW2	THCA	HM_r	12	69	247	328	376
GLYR1	THCA	HM_r	209	69	42	320	377
PRKCD	THCA	Others	93	69	157	319	378
RTF1	THCA	Others	74	69	169	312	379
HDAC2	THCA	HA_e	199	69	42	310	380
RAG2	THCA	HM_r	85	69	150	304	381
HIF1AN	THCA	Others	192	69	42	303	382
HSPBAP1	THCA	Others	185	69	42	296	383
TDRD12	THCA	Others	31	69	196	296	384
RPH3A	THCA	Others	76	69	149	294	385
ING1	THCA	HM_r	182	69	42	293	386
ING3	THCA	HM_r	180	69	42	291	387
INTS12	THCA	Others	177	69	42	288	388
IWS1	THCA	Others	176	69	42	287	389
JADE2	THCA	Others	174	69	42	285	390
KAT5	THCA	HA_w	169	69	42	280	391
KDM4A	THCA	HM_e	164	69	42	275	392
KDM5D	THCA	HM_e	159	69	42	270	393
SMYD1	THCA	HM_w	49	69	141	259	394
MSH6	THCA	HM_r	138	69	42	249	395
MTA3	THCA	ChRC	134	69	42	245	396
PADI4	THCA	Others	128	69	42	239	397
PCGF6	THCA	Others	120	69	42	231	398
PCMT1	THCA	Others	119	69	42	230	399
PHC3	THCA	ChRC	116	69	42	227	400
PHF20	THCA	HM_r	107	69	42	218	401
PRKAA1	THCA	Others	95	69	42	206	402
PRMT5	THCA	HM_w	92	69	42	203	403
PRMT6	THCA	HM_w	91	69	42	202	404
SHPRH	THCA	Others	63	69	42	174	405
SIN3A	THCA	ChRC	62	69	42	173	406
SMNDC1	THCA	Others	50	69	42	161	407
SSRP1	THCA	Others	41	69	42	152	408
SUPT16H	THCA	Others	40	69	42	151	409
TDRKH	THCA	Others	28	69	42	139	410

TET2	THCA	DM_e	27	69	42	138	411
TRIM33	THCA	HA_r	26	69	42	137	412
UBE2E1	THCA	Others	23	69	42	134	413
UBR7	THCA	Others	21	69	42	132	414
UTY	THCA	HM_e	16	69	42	127	415
WDR82	THCA	Others	14	69	42	125	416
CHD3	THYM	Helicases	421	412	398	1231	1
ARID4B	THYM	ChRC	408	416	390	1214	2
ASH1L	THYM	HM_w	425	399	389	1213	3
MECP2	THYM	DM_r	417	353	415	1185	4
AKAP1	THYM	Others	342	400	421	1163	5
CHD1L	THYM	Helicases	300	387	420	1107	6
BPTF	THYM	HA_r	323	393	388	1104	7
CBX6	THYM	HM_r	309	414	364	1087	8
CDYL	THYM	HM_r	306	426	327	1059	9
BAZ1A	THYM	HA_r	328	396	333	1057	10
PRMT5	THYM	HM_w	370	339	346	1055	11
BAZ2B	THYM	HA_r	326	395	332	1053	12
CBX7	THYM	HM_r	308	413	329	1050	13
CHRA1	THYM	ChRC	296	385	363	1044	14
FXR2	THYM	Others	265	411	362	1038	15
AICDA	THYM	DM_e	344	401	276	1021	16
HDAC5	THYM	HA_e	247	371	396	1014	17
BRPF1	THYM	HA_r	402	391	217	1010	18
PHF10	THYM	Others	415	349	245	1009	19
ATF7IP	THYM	Others	332	397	274	1003	20
PARP1	THYM	Others	153	424	426	1003	21
GATAD2B	THYM	HM_r	261	377	361	999	22
HAT1	THYM	HA_w	255	375	360	990	23
ARID1B	THYM	ChRC	340	417	225	982	24
PCMT1	THYM	Others	146	422	410	978	25
HDGF	THYM	Others	242	369	358	969	26
KDM5B	THYM	HM_e	198	359	411	968	27
CDYL2	THYM	HM_r	305	390	271	966	28
GADD45A	THYM	Others	263	379	317	959	29

ATAD2	THYM	HA_r	335	398	223	956	30
EPC1	THYM	Others	392	383	171	946	31
HDAC11	THYM	HA_e	251	373	315	939	32
BOP 1	THYM	Others	324	394	219	937	33
ING2	THYM	HM_r	228	368	312	908	34
CHD1	THYM	Helicases	301	388	216	905	35
BRD7	THYM	HA_r	403	69	418	890	36
HDAC4	THYM	HA_e	248	372	264	884	37
SMYD3	THYM	HM_w	55	403	422	880	38
KDM1A	THYM	HM_e	208	361	309	878	39
SETD5	THYM	HM_w	364	330	184	878	40
AURKB	THYM	Others	330	415	131	876	41
CHD8	THYM	Helicases	399	69	405	873	42
AFF1	THYM	Others	410	69	391	870	43
CHD2	THYM	Helicases	401	69	399	869	44
KDM5A	THYM	HM_e	199	360	307	866	45
PYGO2	THYM	HM_r	102	336	425	863	46
BRD2	THYM	HA_r	404	69	387	860	47
RAI1	THYM	Others	368	335	156	859	48
PHF21B	THYM	HM_r	133	346	378	857	49
KMT2A	THYM	HM_w	190	357	305	852	50
IWS1	THYM	Others	223	365	261	849	51
GTF3C4	THYM	HA_w	258	376	212	846	52
PRDM12	THYM	HM_w	124	344	377	845	53
BRD3	THYM	HA_r	322	392	130	844	54
JMJD1C	THYM	HM_e	218	364	260	842	55
CECR2	THYM	HA_r	304	389	146	839	56
GATAD2A	THYM	HM_r	419	378	42	839	57
HCFC1	THYM	Others	254	374	211	839	58
PRDM4	THYM	HM_w	371	69	394	834	59
PRDM7	THYM	HM_w	116	341	376	833	60
L3MBTL3	THYM	Others	426	356	42	824	61
PRMT1	THYM	HM_w	110	340	374	824	62
H3F3A	THYM	Others	256	425	142	823	63
SETDB1	THYM	HM_w	79	329	407	815	64

PBRM1	THYM	HA_r	416	351	42	809	65
KDM6A	THYM	HM_e	195	358	255	808	66
BRD1	THYM	HA_r	405	69	331	805	67
EPC2	THYM	Others	277	382	144	803	68
MBTD1	THYM	Others	383	69	351	803	69
KAT6A	THYM	HA_w	418	69	311	798	70
NSD1	THYM	HM_w	380	69	348	797	71
RNF217	THYM	Others	93	406	298	797	72
ING5	THYM	HM_r	388	366	42	796	73
AEBP2	THYM	HM_w	346	402	42	790	74
DMAP1	THYM	Others	396	69	323	788	75
MBD5	THYM	DM_r	178	354	254	786	76
EP400	THYM	HA_w	393	69	321	783	77
SETMAR	THYM	HM_w	413	328	42	783	78
ASH2L	THYM	HM_w	338	69	367	774	79
RNF2	THYM	ChRC	95	333	345	773	80
ASXL2	THYM	Others	337	69	366	772	81
BRWD1	THYM	HA_r	317	69	386	772	82
LBR	THYM	Others	183	423	166	772	83
NCOR1	THYM	ChRC	161	409	201	771	84
CSTL1	THYM	Others	293	69	404	766	85
TDRD9	THYM	Others	356	69	341	766	86
TDRD5	THYM	Others	33	320	412	765	87
KDM2B	THYM	HM_e	386	69	308	763	88
TET2	THYM	DM_e	354	69	340	763	89
USP22	THYM	Others	22	317	424	763	90
FBXO17	THYM	Others	272	69	417	758	91
TDRD10	THYM	Others	36	321	400	757	92
WDR5	THYM	ChRC	18	316	423	757	93
SMARCD2	THYM	Helicases	61	324	371	756	94
ACTL6B	THYM	ChRC	347	69	337	753	95
ARID2	THYM	ChRC	409	69	275	753	96
CHD7	THYM	Helicases	297	69	385	751	97
ELP3	THYM	HA_w	279	69	403	751	98
BRWD3	THYM	HA_r	316	69	365	750	99

DPF2	THYM	Others	283	69	397	749	100
SMYD2	THYM	HM_w	56	404	287	747	101
KAT2B	THYM	HA_w	213	362	169	744	102
ASXL3	THYM	Others	336	69	336	741	103
MBD3	THYM	DM_r	180	355	205	740	104
CHD6	THYM	Helicases	400	69	270	739	105
ATAD2B	THYM	HA_r	334	69	335	738	106
SETD2	THYM	HM_w	365	331	42	738	107
ATAT1	THYM	Others	333	69	334	736	108
CHD9	THYM	Helicases	398	69	269	736	109
CTCF	THYM	Others	397	69	268	734	110
PHF23	THYM	HM_r	132	407	195	734	111
CHD4	THYM	Helicases	299	386	42	727	112
SETDB2	THYM	HM_w	363	69	293	725	113
FBXW9	THYM	Others	270	69	384	723	114
MUM1	THYM	Others	167	352	203	722	115
SIRT3	THYM	HA_e	362	69	291	722	116
IDH1	THYM	DM_e	389	69	262	720	117
ATRX	THYM	Helicases	423	69	222	714	118
CARM1	THYM	HM_w	315	69	330	714	119
GADD45B	THYM	Others	262	69	383	714	120
TAF1L	THYM	HA_r	360	69	285	714	121
DOT1L	THYM	HM_w	285	384	42	711	122
TDRD6	THYM	Others	357	69	283	709	123
SP100	THYM	HA_r	52	421	234	707	124
TET1	THYM	DM_e	355	69	282	706	125
CBX8	THYM	ChRC	307	69	328	704	126
EP300	THYM	HA_w	420	69	214	703	127
TET3	THYM	DM_e	353	69	281	703	128
MPHOSPH8	THYM	HM_r	381	69	252	702	129
EZH1	THYM	HM_w	275	381	42	698	130
ACTL6A	THYM	ChRC	348	69	278	695	131
CHD5	THYM	Helicases	298	69	326	693	132
AFF4	THYM	Others	345	69	277	691	133
CLOCK	THYM	HA_w	295	69	325	689	134

FMR1	THYM	Others	266	380	42	688	135
CREBBP	THYM	HA_w	294	69	324	687	136
PPARGC1A	THYM	Others	373	69	243	685	137
PRMT8	THYM	HM_w	105	338	240	683	138
DNMT3A	THYM	DM_w	288	69	322	679	139
KAT2A	THYM	HA_w	214	69	395	678	140
PHF20L1	THYM	HM_r	135	347	196	678	141
RTF1	THYM	Others	367	69	239	675	142
ATM	THYM	Others	331	69	273	673	143
HDAC8	THYM	HA_e	244	69	359	672	144
MBD1	THYM	DM_r	181	69	416	666	145
HIF1AN	THYM	Others	239	69	357	665	146
PRDM10	THYM	HM_w	126	345	193	664	147
HIST1H1C	THYM	Others	236	69	356	661	148
JADE1	THYM	Others	222	69	369	660	149
BRPF3	THYM	HA_r	318	69	272	659	150
FKBP1A	THYM	Others	269	69	320	658	151
HDAC6	THYM	HA_e	246	370	42	658	152
JADE2	THYM	Others	221	69	368	658	153
MLLT6	THYM	HM_w	175	69	414	658	154
SATB1	THYM	Others	87	332	238	657	155
HR	THYM	HM_e	232	69	355	656	156
FKBP5	THYM	Others	267	69	319	655	157
KDM4C	THYM	HM_e	202	69	382	653	158
BAZ2A	THYM	HA_r	406	69	176	651	159
G2E3	THYM	Others	264	69	318	651	160
UBE2B	THYM	Others	350	69	230	649	161
PADI3	THYM	Others	379	69	199	647	162
KDM6B	THYM	HM_e	194	410	42	646	163
PHF2	THYM	Others	378	69	197	644	164
JMJD6	THYM	HM_e	217	69	354	640	165
BRD4	THYM	HA_r	422	69	148	639	166
HDAC10	THYM	HA_e	252	69	316	637	167
POLE3	THYM	ChRC	374	69	194	637	168
ARID1A	THYM	ChRC	341	69	226	636	169

EHMT2	THYM	HM_w	394	69	172	635	170
ING4	THYM	HM_r	226	367	42	635	171
L3MBTL4	THYM	Others	184	69	381	634	172
ARID4A	THYM	ChRC	339	69	224	632	173
KAT8	THYM	HA_w	209	69	353	631	174
KDM3B	THYM	HM_e	205	69	352	626	175
SP110	THYM	HA_r	51	420	154	625	176
HDGFL1	THYM	Others	241	69	314	624	177
DNMT3B	THYM	DM_w	287	69	267	623	178
KMT2C	THYM	HM_w	385	69	167	621	179
KANSL1	THYM	HA_w	215	363	42	620	180
SCML2	THYM	HM_r	366	69	185	620	181
HIST1H1B	THYM	Others	237	69	313	619	182
PRDM2	THYM	HM_w	119	342	158	619	183
RBBP5	THYM	ChRC	99	334	186	619	184
PCGF6	THYM	Others	147	69	402	618	185
BAZ1B	THYM	HA_r	327	69	221	617	186
MECOM	THYM	Others	382	69	165	616	187
BMI1	THYM	ChRC	325	69	220	614	188
SMYD4	THYM	HM_w	54	323	236	613	189
FBXL19	THYM	Others	273	69	266	608	190
BRD9	THYM	HA_r	320	69	218	607	191
FBXO44	THYM	Others	271	69	265	605	192
ZMYND11	THYM	HA_r	12	314	279	605	193
GTF2B	THYM	Others	391	69	143	603	194
SP140	THYM	HA_r	50	419	134	603	195
KDM7A	THYM	HM_e	193	69	338	600	196
PWWP2B	THYM	Others	104	337	157	598	197
PHC3	THYM	ChRC	143	69	380	592	198
KAT6B	THYM	HA_w	211	69	310	590	199
PHF12	THYM	Others	140	408	42	590	200
NAP1L2	THYM	Others	165	69	350	584	201
PHF20	THYM	HM_r	136	69	379	584	202
NAP1L3	THYM	Others	164	69	349	582	203
TAF3	THYM	HA_r	359	69	152	580	204

RING1	THYM	Others	97	69	413	579	205
TRIM66	THYM	HA_r	351	69	149	569	206
HIST1H3B	THYM	Others	235	69	263	567	207
PAXIP1	THYM	Others	151	69	347	567	208
KIAA2026	THYM	Others	191	69	306	566	209
DPY30	THYM	Others	281	69	215	565	210
SCML4	THYM	Others	85	69	409	563	211
PRDM1	THYM	HM_w	372	69	121	562	212
RNF40	THYM	Others	92	69	401	562	213
KMT2D	THYM	HM_w	188	69	304	561	214
L3MBTL1	THYM	HM_r	186	69	303	558	215
SETD6	THYM	HM_w	81	69	408	558	216
PRKCD	THYM	Others	111	69	375	555	217
FKBP2	THYM	Others	268	69	213	550	218
PYGO1	THYM	HM_r	103	69	373	545	219
SETD3	THYM	HM_w	83	69	393	545	220
AIRE	THYM	HM_r	343	69	132	544	221
PHC1	THYM	ChRC	145	350	42	537	222
CXXC1	THYM	Others	292	69	175	536	223
ASXL1	THYM	Others	424	69	42	535	224
BRDT	THYM	HA_r	319	69	147	535	225
RNF20	THYM	Others	94	69	372	535	226
SIRT2	THYM	HA_e	73	69	392	534	227
SIRT7	THYM	HA_e	69	327	137	533	228
HDAC1	THYM	HA_e	253	69	210	532	229
KDM4B	THYM	HM_e	203	69	259	531	230
KDM4D	THYM	HM_e	201	69	258	528	231
PHF14	THYM	Others	138	348	42	528	232
DPF1	THYM	ChRC	284	69	174	527	233
SMARCB1	THYM	Helicases	65	326	136	527	234
KDM4E	THYM	HM_e	200	69	257	526	235
SETD1A	THYM	HM_w	414	69	42	525	236
DPF3	THYM	HA_r	282	69	173	524	237
SHPRH	THYM	Others	76	405	42	523	238
SIN3A	THYM	ChRC	412	69	42	523	239

KDM5C	THYM	HM_e	197	69	256	522	240
SMARCA4	THYM	Helicases	411	69	42	522	241
HDAC9	THYM	HA_e	243	69	209	521	242
SUPT16H	THYM	Others	45	69	406	520	243
SUV39H1	THYM	HM_w	44	322	153	519	244
ATR	THYM	Others	407	69	42	518	245
HELLS	THYM	Helicases	240	69	208	517	246
JADE3	THYM	Others	220	69	227	516	247
PHF1	THYM	HM_r	142	69	302	513	248
CBX2	THYM	ChRC	313	69	129	511	249
CBX3	THYM	HM_r	312	69	128	509	250
SP140L	THYM	HA_r	49	418	42	509	251
EED	THYM	ChRC	395	69	42	506	252
PRDM15	THYM	HM_w	121	343	42	506	253
ZCWPW2	THYM	HM_r	14	315	177	506	254
ZCWPW1	THYM	HM_r	15	69	419	503	255
GTF2F1	THYM	Others	390	69	42	501	256
PHF5A	THYM	Others	131	69	301	501	257
DNMT3L	THYM	DM_w	286	69	145	500	258
CHAF1A	THYM	ChRC	303	69	127	499	259
KDM2A	THYM	HM_e	387	69	42	498	260
CHAF1B	THYM	ChRC	302	69	126	497	261
MORF4L1	THYM	HM_r	174	69	253	496	262
MBD2	THYM	DM_r	384	69	42	495	263
PRDM11	THYM	HM_w	125	69	300	494	264
MSH6	THYM	HM_r	173	69	251	493	265
JMJD8	THYM	HM_e	216	69	207	492	266
SFMBT2	THYM	Others	77	69	344	490	267
MTA2	THYM	ChRC	170	69	250	489	268
HDAC3	THYM	HA_e	249	69	170	488	269
PHF3	THYM	Others	377	69	42	488	270
PHIP	THYM	HA_r	376	69	42	487	271
MTF2	THYM	HM_r	168	69	249	486	272
PHRF1	THYM	Others	375	69	42	486	273
PRDM5	THYM	HM_w	118	69	299	486	274

SIRT4	THYM	HA_e	72	69	343	484	275
KDM3A	THYM	HM_e	206	69	206	481	276
NCOA1	THYM	HA_w	163	69	248	480	277
PSIP1	THYM	HM_r	369	69	42	480	278
PADI2	THYM	Others	157	69	247	473	279
SND1	THYM	HM_r	361	69	42	472	280
TDRD7	THYM	Others	32	69	370	471	281
PAF1	THYM	Others	154	69	246	469	282
TCF20	THYM	Others	358	69	42	469	283
TP53BP1	THYM	Others	352	69	42	463	284
UHRF1	THYM	DM_r	349	69	42	460	285
RPA3	THYM	Others	91	69	297	457	286
RPS6KA5	THYM	Others	89	69	296	454	287
SUV39H2	THYM	HM_w	43	69	342	454	288
PHF13	THYM	Others	139	69	244	452	289
RSF1	THYM	ChRC	88	69	295	452	290
H2AFZ	THYM	Others	257	69	125	451	291
MSL3	THYM	HA_w	172	69	204	445	292
SETD4	THYM	HM_w	82	69	294	445	293
KDM1B	THYM	HM_e	207	69	168	444	294
BAP1	THYM	Others	329	69	42	440	295
SFMBT1	THYM	HM_r	78	69	292	439	296
HDAC7	THYM	HA_e	245	69	124	438	297
NCOA3	THYM	HA_w	162	69	202	433	298
BRD8	THYM	HA_r	321	69	42	432	299
SMARCC1	THYM	Helicases	64	325	42	431	300
NCOR2	THYM	Others	160	69	200	429	301
SIRT6	THYM	HA_e	70	69	290	429	302
CBX1	THYM	HM_r	314	69	42	425	303
SMARCA2	THYM	Helicases	67	69	289	425	304
PRKAA1	THYM	Others	113	69	242	424	305
CBX4	THYM	HM_r	311	69	42	422	306
IDH2	THYM	DM_e	230	69	123	422	307
CBX5	THYM	HM_r	310	69	42	421	308
ZGPAT	THYM	Others	13	69	339	421	309

SMARCD1	THYM	Helicases	62	69	288	419	310
PCGF2	THYM	Others	149	69	198	416	311
PRMT7	THYM	HM_w	106	69	241	416	312
SRCAP	THYM	Others	48	69	286	403	313
DAXX	THYM	ChRC	291	69	42	402	314
DIDO1	THYM	Others	290	69	42	401	315
DNMT1	THYM	DM_w	289	69	42	400	316
KMT2E	THYM	HM_w	187	69	141	397	317
TDRKH	THYM	Others	31	319	42	392	318
EHMT1	THYM	HM_w	280	69	42	391	319
PADI1	THYM	Others	158	69	164	391	320
ELP4	THYM	HA_w	278	69	42	389	321
TDRD12	THYM	Others	35	69	284	388	322
ERCC5	THYM	Others	276	69	42	387	323
PADI6	THYM	Others	155	69	163	387	324
UBE2E1	THYM	Others	26	318	42	386	325
EZH2	THYM	HM_w	274	69	42	385	326
PRDM14	THYM	HM_w	122	69	192	383	327
TRIM33	THYM	HA_r	28	69	280	377	328
PRDM8	THYM	HM_w	115	69	191	375	329
PRDM9	THYM	HM_w	114	69	190	373	330
PHF11	THYM	Others	141	69	162	372	331
SMARCA5	THYM	Helicases	66	69	237	372	332
GLYR1	THYM	HM_r	260	69	42	371	333
GTF2H1	THYM	Others	259	69	42	370	334
PRKAA2	THYM	Others	112	69	189	370	335
HDAC2	THYM	HA_e	250	69	42	361	336
PCGF1	THYM	Others	150	69	140	359	337
PHF7	THYM	Others	129	69	161	359	338
RAG2	THYM	HM_r	101	69	188	358	339
PHF8	THYM	Others	128	69	160	357	340
SMYD5	THYM	HM_w	53	69	235	357	341
RBBP4	THYM	ChRC	100	69	187	356	342
ORC1	THYM	Others	159	69	122	350	343
HIRA	THYM	Others	238	69	42	349	344

PRDM16	THYM	HM_w	120	69	159	348	345
HLTF	THYM	Others	234	69	42	345	346
HNF1A	THYM	ChRC	233	69	42	344	347
TAF1	THYM	HA_r	41	69	233	343	348
HSPBAP1	THYM	Others	231	69	42	342	349
TCEA1	THYM	Others	40	69	232	341	350
ING1	THYM	HM_r	229	69	42	340	351
ING3	THYM	HM_r	227	69	42	338	352
TDG	THYM	ChRC	38	69	231	338	353
INO80	THYM	Helicases	225	69	42	336	354
INTS12	THYM	Others	224	69	42	335	355
JARID2	THYM	ChRC	219	69	42	330	356
SIN3B	THYM	ChRC	75	69	183	327	357
KAT5	THYM	HA_w	212	69	42	323	358
KAT7	THYM	HA_w	210	69	42	321	359
SMARCA1	THYM	Helicases	68	69	182	319	360
USP51	THYM	Others	20	69	229	318	361
KDM4A	THYM	HM_e	204	69	42	315	362
SMARCC2	THYM	Helicases	63	69	181	313	363
PRDM13	THYM	HM_w	123	69	120	312	364
SMARCD3	THYM	Helicases	60	69	180	309	365
ZMYND8	THYM	HA_r	11	69	228	308	366
KDM5D	THYM	HM_e	196	69	42	307	367
SETD7	THYM	HM_w	80	69	155	304	368
KDM8	THYM	HM_e	192	69	42	303	369
KMT2B	THYM	HM_w	189	69	42	300	370
RPH3A	THYM	Others	90	69	139	298	371
L3MBTL2	THYM	Others	185	69	42	296	372
MARCH5	THYM	Others	182	69	42	293	373
MBD4	THYM	DM_r	179	69	42	290	374
SUZ12	THYM	ChRC	42	69	179	290	375
MEN1	THYM	ChRC	177	69	42	288	376
MLLT10	THYM	HM_w	176	69	42	287	377
RNF17	THYM	Others	96	69	119	284	378
MTA1	THYM	ChRC	171	69	42	282	379

SIRT1	THYM	HA_e	74	69	138	281	380
MTA3	THYM	ChRC	169	69	42	280	381
NAP1L1	THYM	Others	166	69	42	277	382
UBR7	THYM	Others	24	69	178	271	383
PADI4	THYM	Others	156	69	42	267	384
PARP2	THYM	Others	152	69	42	263	385
SMYD1	THYM	HM_w	57	69	135	261	386
PCGF5	THYM	Others	148	69	42	259	387
TDRD1	THYM	Others	37	69	151	257	388
PHC2	THYM	ChRC	144	69	42	255	389
PHF19	THYM	HM_r	137	69	42	248	390
TRIM28	THYM	HA_r	29	69	150	248	391
PHF21A	THYM	HM_r	134	69	42	245	392
PHF6	THYM	HM_r	130	69	42	241	393
POLR2B	THYM	Others	127	69	42	238	394
STK31	THYM	Others	46	69	118	233	395
TRIM24	THYM	HA_r	30	69	133	232	396
PRDM6	THYM	HM_w	117	69	42	228	397
PRMT2	THYM	HM_w	109	69	42	220	398
PRMT3	THYM	HM_w	108	69	42	219	399
PRMT6	THYM	HM_w	107	69	42	218	400
RBBP7	THYM	ChRC	98	69	42	209	401
SCMH1	THYM	Others	86	69	42	197	402
SETD1B	THYM	HM_w	84	69	42	195	403
SIRT5	THYM	HA_e	71	69	42	182	404
SMARCE1	THYM	Helicases	59	69	42	170	405
SMNDC1	THYM	Others	58	69	42	169	406
SSRP1	THYM	Others	47	69	42	158	407
TCF19	THYM	Others	39	69	42	150	408
TDRD3	THYM	HM_r	34	69	42	145	409
UBE2A	THYM	Others	27	69	42	138	410
UBE2I	THYM	Others	25	69	42	136	411
UHRF2	THYM	DM_r	23	69	42	134	412
USP27X	THYM	Others	21	69	42	132	413
UTY	THYM	HM_e	19	69	42	130	414

WDR82	THYM	Others	17	69	42	128	415
YY1	THYM	ChRC	16	69	42	127	416
ASH1L	UCEC	HM_w	408	417	414	1239	1
SETDB1	UCEC	HM_w	364	421	425	1210	2
SMARCA4	UCEC	Helicases	386	420	400	1206	3
ATAD2	UCEC	HA_r	353	416	415	1184	4
CHD7	UCEC	Helicases	401	365	403	1169	5
KDM5B	UCEC	HM_e	368	379	417	1164	6
ASXL1	UCEC	Others	347	405	411	1163	7
BPTF	UCEC	HA_r	389	366	399	1154	8
DIDO1	UCEC	Others	387	373	389	1149	9
ATR	UCEC	Others	414	376	354	1144	10
PHC3	UCEC	ChRC	313	425	406	1144	11
KAT6A	UCEC	HA_w	350	418	372	1140	12
KAT6B	UCEC	HA_w	370	396	362	1128	13
PHF20L1	UCEC	HM_r	312	406	402	1120	14
BRD4	UCEC	HA_r	265	422	410	1097	15
KDM5A	UCEC	HM_e	378	319	396	1093	16
SIN3B	UCEC	ChRC	288	411	394	1093	17
SRCAP	UCEC	Others	380	337	373	1090	18
DNMT1	UCEC	DM_w	321	413	327	1061	19
BRD1	UCEC	HA_r	266	400	391	1057	20
ARID4B	UCEC	ChRC	306	386	363	1055	21
CHD1L	UCEC	Helicases	217	414	419	1050	22
MECOM	UCEC	Others	329	426	289	1044	23
NCOA3	UCEC	HA_w	279	398	360	1037	24
PARP1	UCEC	Others	253	368	409	1030	25
BRD9	UCEC	HA_r	238	393	398	1029	26
GATAD2B	UCEC	HM_r	188	415	423	1026	27
ZMYND8	UCEC	HA_r	322	401	302	1025	28
HLTF	UCEC	Others	358	390	274	1022	29
DNMT3B	UCEC	DM_w	332	347	341	1020	30
KDM1B	UCEC	HM_e	331	331	349	1011	31
KDM2A	UCEC	HM_e	295	342	374	1011	32
ACTL6A	UCEC	ChRC	165	424	421	1010	33

RNF40	UCEC	Others	250	351	408	1009	34
PAF1	UCEC	Others	227	395	383	1005	35
HDAC6	UCEC	HA_e	383	309	300	992	36
PHF12	UCEC	Others	220	378	392	990	37
SETD1A	UCEC	HM_w	289	358	332	979	38
GATAD2A	UCEC	HM_r	213	372	387	972	39
SMARCC2	UCEC	Helicases	223	377	358	958	40
LBR	UCEC	Others	183	361	413	957	41
BAP1	UCEC	Others	239	355	361	955	42
ARID2	UCEC	ChRC	336	276	342	954	43
PYGO2	UCEC	HM_r	121	408	424	953	44
L3MBTL1	UCEC	HM_r	269	270	412	951	45
ASXL2	UCEC	Others	335	314	298	947	46
CDYL	UCEC	HM_r	264	323	352	939	47
CHD4	UCEC	Helicases	422	354	161	937	48
CARM1	UCEC	HM_w	161	419	353	933	49
EHMT1	UCEC	HM_w	299	292	340	931	50
TDRKH	UCEC	Others	78	423	426	927	51
ING1	UCEC	HM_r	314	321	291	926	52
CHD6	UCEC	Helicases	396	312	212	920	53
MSH6	UCEC	HM_r	357	235	326	918	54
DNMT3A	UCEC	DM_w	236	311	370	917	55
NSD1	UCEC	HM_w	413	326	178	917	56
JARID2	UCEC	ChRC	344	259	310	913	57
HDAC7	UCEC	HA_e	158	369	385	912	58
JADE3	UCEC	Others	421	69	422	912	59
NCOR2	UCEC	Others	363	307	240	910	60
RSF1	UCEC	ChRC	249	325	333	907	61
PRDM15	UCEC	HM_w	311	267	324	902	62
PHF20	UCEC	HM_r	206	305	384	895	63
DPF2	UCEC	Others	191	322	381	894	64
HCFC1	UCEC	Others	411	345	138	894	65
TDRD5	UCEC	Others	200	336	357	893	66
HDGF	UCEC	Others	68	407	416	891	67
ZMYND11	UCEC	HA_r	171	356	364	891	68

RBBP5	UCEC	ChRC	120	388	382	890	69
BRPF1	UCEC	HA_r	346	224	317	887	70
CHD8	UCEC	Helicases	388	221	278	887	71
PHF14	UCEC	Others	293	254	336	883	72
FBXO17	UCEC	Others	140	391	350	881	73
TCEA1	UCEC	Others	80	394	407	881	74
JADE1	UCEC	Others	400	69	405	874	75
KDM7A	UCEC	HM_e	384	69	418	871	76
MLLT6	UCEC	HM_w	255	328	288	871	77
PRDM14	UCEC	HM_w	282	374	215	871	78
FMR1	UCEC	Others	351	174	345	870	79
KMT2B	UCEC	HM_w	420	402	42	864	80
CBX3	UCEC	HM_r	166	293	404	863	81
JADE2	UCEC	Others	417	69	377	863	82
CHRA1	UCEC	ChRC	38	404	420	862	83
MBD5	UCEC	DM_r	377	136	347	860	84
BAZ2B	UCEC	HA_r	398	226	235	859	85
EED	UCEC	ChRC	261	247	351	859	86
HR	UCEC	HM_e	258	389	209	856	87
ATAD2B	UCEC	HA_r	318	324	213	855	88
H3F3A	UCEC	Others	98	371	386	855	89
KDM4A	UCEC	HM_e	184	362	309	855	90
DAXX	UCEC	ChRC	216	248	390	854	91
MBD4	UCEC	DM_r	154	352	348	854	92
SMARCA1	UCEC	Helicases	399	156	299	854	93
FBXL19	UCEC	Others	101	364	388	853	94
MECP2	UCEC	DM_r	168	341	344	853	95
ELP3	UCEC	HA_w	190	397	257	844	96
PBRM1	UCEC	HA_r	270	375	194	839	97
EP300	UCEC	HA_w	404	272	160	836	98
ASXL3	UCEC	Others	410	144	281	835	99
HDAC4	UCEC	HA_e	298	243	294	835	100
PRDM9	UCEC	HM_w	392	359	84	835	101
SUV39H1	UCEC	HM_w	195	296	343	834	102
MTA1	UCEC	ChRC	181	257	395	833	103

POLR2B	UCEC	Others	367	131	335	833	104
SMYD3	UCEC	HM_w	112	383	329	824	105
ZGPAT	UCEC	Others	56	387	378	821	106
SIRT2	UCEC	HA_e	147	384	286	817	107
SMARCB1	UCEC	Helicases	170	300	346	816	108
DMAP1	UCEC	Others	215	334	258	807	109
SUPT16H	UCEC	Others	273	205	328	806	110
TRIM28	UCEC	HA_r	221	316	268	805	111
KMT2A	UCEC	HM_w	382	286	136	804	112
SIRT7	UCEC	HA_e	114	357	331	802	113
BOP 1	UCEC	Others	19	403	376	798	114
SMYD2	UCEC	HM_w	202	350	246	798	115
RNF2	UCEC	ChRC	29	367	401	797	116
BAZ2A	UCEC	HA_r	374	227	195	796	117
EP400	UCEC	HA_w	418	219	159	796	118
BAZ1B	UCEC	HA_r	302	228	260	790	119
CBX1	UCEC	HM_r	71	348	371	790	120
GTF2H1	UCEC	Others	243	191	356	790	121
NCOA1	UCEC	HA_w	328	308	153	789	122
AKAP1	UCEC	Others	337	277	165	779	123
HDAC5	UCEC	HA_e	283	190	301	774	124
FBXW9	UCEC	Others	48	412	313	773	125
PRMT5	UCEC	HM_w	203	211	359	773	126
SIRT5	UCEC	HA_e	115	279	379	773	127
CREBBP	UCEC	HA_w	407	69	296	772	128
TDRD6	UCEC	Others	403	148	218	769	129
SATB1	UCEC	Others	381	185	200	766	130
TAF1	UCEC	HA_r	423	150	191	764	131
MBD1	UCEC	DM_r	256	137	369	762	132
ING4	UCEC	HM_r	46	333	380	759	133
MEN1	UCEC	ChRC	182	269	308	759	134
PARP2	UCEC	Others	153	268	338	759	135
DPF1	UCEC	ChRC	50	392	316	758	136
HDAC1	UCEC	HA_e	139	344	275	758	137
BRWD3	UCEC	HA_r	406	69	282	757	138

KIAA2026	UCEC	Others	385	329	42	756	139
SETD1B	UCEC	HM_w	326	282	147	755	140
STK31	UCEC	Others	287	297	171	755	141
TAF1L	UCEC	HA_r	409	204	142	755	142
G2E3	UCEC	Others	281	194	276	751	143
L3MBTL4	UCEC	Others	210	285	255	750	144
TET3	UCEC	DM_e	245	278	217	740	145
HDAC9	UCEC	HA_e	259	353	126	738	146
KDM4D	UCEC	HM_e	155	239	339	733	147
PCGF2	UCEC	Others	21	340	368	729	148
SFMBT1	UCEC	HM_r	224	281	220	725	149
TET1	UCEC	DM_e	402	180	141	723	150
SMARCD3	UCEC	Helicases	222	252	247	721	151
TAF3	UCEC	HA_r	272	203	244	719	152
CBX2	UCEC	ChRC	39	381	297	717	153
KMT2D	UCEC	HM_w	424	188	103	715	154
TDRD12	UCEC	Others	108	409	198	715	155
MTA2	UCEC	ChRC	132	256	325	713	156
SMARCD2	UCEC	Helicases	81	299	330	710	157
PHF3	UCEC	Others	343	114	252	709	158
KMT2C	UCEC	HM_w	419	69	216	704	159
KDM4C	UCEC	HM_e	330	330	42	702	160
BRPF3	UCEC	HA_r	237	275	187	699	161
PHF7	UCEC	Others	88	360	251	699	162
ATRX	UCEC	Helicases	412	118	168	698	163
KAT8	UCEC	HA_w	145	288	264	697	164
CHAF1B	UCEC	ChRC	193	222	279	694	165
PRMT2	UCEC	HM_w	62	266	366	694	166
RING1	UCEC	Others	150	210	334	694	167
PRKAA1	UCEC	Others	151	339	202	692	168
CXXC1	UCEC	Others	316	141	234	691	169
PRMT1	UCEC	HM_w	87	317	287	691	170
SCML2	UCEC	HM_r	304	69	318	691	171
PRMT3	UCEC	HM_w	204	163	323	690	172
SFMBT2	UCEC	Others	375	207	108	690	173

HDAC11	UCEC	HA_e	138	370	180	688	174
CTCF	UCEC	Others	425	220	42	687	175
HDAC2	UCEC	HA_e	137	173	375	685	176
SP140L	UCEC	HA_r	201	181	303	685	177
TDRD9	UCEC	Others	307	295	83	685	178
SMARCC1	UCEC	Helicases	247	265	172	684	179
PRDM2	UCEC	HM_w	365	69	249	683	180
CECR2	UCEC	HA_r	333	69	280	682	181
PHC2	UCEC	ChRC	225	306	151	682	182
FXR2	UCEC	Others	189	195	295	679	183
KMT2E	UCEC	HM_w	371	69	238	678	184
TCF20	UCEC	Others	390	69	219	678	185
TDRD10	UCEC	Others	173	410	93	676	186
ATM	UCEC	Others	416	69	190	675	187
SCMH1	UCEC	Others	248	385	42	675	188
ARID1B	UCEC	ChRC	369	69	236	674	189
KDM8	UCEC	HM_e	198	237	239	674	190
CBX4	UCEC	HM_r	105	382	186	673	191
JMJD1C	UCEC	HM_e	391	69	208	668	192
SIN3A	UCEC	ChRC	394	230	42	666	193
SSRP1	UCEC	Others	246	151	269	666	194
SETD4	UCEC	HM_w	177	183	305	665	195
SMARCA5	UCEC	Helicases	309	155	199	663	196
ARID4A	UCEC	ChRC	379	119	164	662	197
BRWD1	UCEC	HA_r	397	223	42	662	198
RPS6KA5	UCEC	Others	276	162	221	659	199
KDM2B	UCEC	HM_e	280	287	91	658	200
SUV39H2	UCEC	HM_w	109	229	320	658	201
BRDT	UCEC	HA_r	320	143	193	656	202
L3MBTL3	UCEC	Others	230	169	256	655	203
PSIP1	UCEC	HM_r	310	302	42	654	204
IWS1	UCEC	Others	187	69	397	653	205
CHD2	UCEC	Helicases	360	249	42	651	206
SETD5	UCEC	HM_w	305	301	42	648	207
BAZ1A	UCEC	HA_r	334	199	114	647	208

JMJD8	UCEC	HM_e	23	332	290	645	209
PHF8	UCEC	Others	339	69	237	645	210
EZH1	UCEC	HM_w	235	176	233	644	211
EHMT2	UCEC	HM_w	37	291	315	643	212
RNF217	UCEC	Others	119	253	270	642	213
USP51	UCEC	Others	218	69	355	642	214
CBX8	UCEC	ChRC	142	380	113	635	215
YY1	UCEC	ChRC	41	201	393	635	216
AIRE	UCEC	HM_r	164	335	133	632	217
ERCC5	UCEC	Others	345	245	42	632	218
CSTL1	UCEC	Others	169	197	265	631	219
JMJD6	UCEC	HM_e	134	343	154	631	220
MBTD1	UCEC	Others	54	258	319	631	221
MLLT10	UCEC	HM_w	209	216	206	631	222
UHRF2	UCEC	DM_r	271	315	42	628	223
HDAC10	UCEC	HA_e	47	399	181	627	224
SND1	UCEC	HM_r	274	206	144	624	225
ZCWPW1	UCEC	HM_r	76	264	283	623	226
BRD8	UCEC	HA_r	317	117	188	622	227
PHF21A	UCEC	HM_r	205	213	204	622	228
RAG2	UCEC	HM_r	338	69	214	621	229
SETD2	UCEC	HM_w	395	184	42	621	230
SP100	UCEC	HA_r	325	153	143	621	231
ATF7IP	UCEC	Others	352	69	196	617	232
EZH2	UCEC	HM_w	315	69	232	616	233
SMARCD1	UCEC	Helicases	175	154	285	614	234
DPY30	UCEC	Others	26	310	277	613	235
ARID1A	UCEC	ChRC	426	69	117	612	236
KDM6A	UCEC	HM_e	349	69	192	610	237
CHD1	UCEC	Helicases	300	142	162	604	238
USP27X	UCEC	Others	267	294	42	603	239
CHD3	UCEC	Helicases	415	69	116	600	240
ORC1	UCEC	Others	240	214	135	589	241
PRKCD	UCEC	Others	122	318	149	589	242
HIST1H3B	UCEC	Others	35	240	312	587	243

KANSL1	UCEC	HA_w	373	171	42	586	244
PRMT7	UCEC	HM_w	178	232	175	585	245
PRDM5	UCEC	HM_w	251	130	203	584	246
SP140	UCEC	HA_r	308	182	94	584	247
FKBP2	UCEC	Others	36	363	184	583	248
EPC2	UCEC	Others	141	127	314	582	249
KAT2B	UCEC	HA_w	232	170	179	581	250
IDH2	UCEC	DM_e	135	289	155	579	251
MPHOSPH8	UCEC	HM_r	229	125	225	579	252
SMYD1	UCEC	HM_w	196	122	261	579	253
HIST1H1B	UCEC	Others	67	218	293	578	254
PRMT6	UCEC	HM_w	86	186	306	578	255
CHD5	UCEC	Helicases	405	69	99	573	256
KAT2A	UCEC	HA_w	296	69	207	572	257
PCGF1	UCEC	Others	65	234	273	572	258
SP110	UCEC	HA_r	174	152	245	571	259
CHAF1A	UCEC	ChRC	263	177	130	570	260
FBXO44	UCEC	Others	49	290	231	570	261
PHF21B	UCEC	HM_r	180	304	86	570	262
SMARCA2	UCEC	Helicases	362	69	139	570	263
PRDM4	UCEC	HM_w	252	69	248	569	264
MTF2	UCEC	HM_r	208	135	224	567	265
PRDM13	UCEC	HM_w	152	165	250	567	266
UBR7	UCEC	Others	146	179	241	566	267
AFF1	UCEC	Others	361	69	134	564	268
TET2	UCEC	DM_e	355	69	140	564	269
KDM3B	UCEC	HM_e	393	126	42	561	270
EPC1	UCEC	Others	102	246	210	558	271
CHD9	UCEC	Helicases	359	69	129	557	272
PRDM16	UCEC	HM_w	366	69	121	556	273
ATAT1	UCEC	Others	27	262	266	555	274
PRDM1	UCEC	HM_w	292	166	96	554	275
HIST1H1C	UCEC	Others	17	241	292	550	276
PHF1	UCEC	HM_r	90	255	205	550	277
PHIP	UCEC	HA_r	376	132	42	550	278

PHC1	UCEC	ChRC	129	167	253	549	279
RNF17	UCEC	Others	348	112	89	549	280
KAT5	UCEC	HA_w	186	320	42	548	281
SIRT1	UCEC	HA_e	116	128	304	548	282
TRIM33	UCEC	HA_r	354	147	42	543	283
AFF4	UCEC	Others	319	120	101	540	284
SHPRH	UCEC	Others	340	158	42	540	285
BMI1	UCEC	ChRC	53	225	259	537	286
NCOR1	UCEC	ChRC	356	69	112	537	287
L3MBTL2	UCEC	Others	257	236	42	535	288
PCMT1	UCEC	Others	64	134	337	535	289
PRDM7	UCEC	HM_w	31	233	271	535	290
FKBP5	UCEC	Others	160	244	128	532	291
HIRA	UCEC	Others	233	69	229	531	292
RPH3A	UCEC	Others	149	208	174	531	293
NAP1L3	UCEC	Others	197	69	263	529	294
PWWP2B	UCEC	Others	44	283	201	528	295
PYGO1	UCEC	HM_r	277	129	120	526	296
DNMT3L	UCEC	DM_w	75	346	104	525	297
PHF10	UCEC	Others	89	69	367	525	298
CLOCK	UCEC	HA_w	192	116	211	519	299
KDM4E	UCEC	HM_e	144	238	137	519	300
PRKAA2	UCEC	Others	179	164	176	519	301
SETD6	UCEC	HM_w	83	69	365	517	302
DPF3	UCEC	HA_r	262	69	185	516	303
TDRD3	UCEC	HM_r	324	149	42	515	304
SETD3	UCEC	HM_w	117	69	322	508	305
SETMAR	UCEC	HM_w	176	159	173	508	306
SIRT4	UCEC	HA_e	82	280	145	507	307
TRIM24	UCEC	HA_r	59	202	243	504	308
HNF1A	UCEC	ChRC	157	189	157	503	309
BRD3	UCEC	HA_r	301	69	132	502	310
KAT7	UCEC	HA_w	242	217	42	501	311
SMYD5	UCEC	HM_w	110	69	321	500	312
INTS12	UCEC	Others	94	172	228	494	313

KDM4B	UCEC	HM_e	294	69	125	488	314
HDGFL1	UCEC	Others	74	242	167	483	315
KDM5C	UCEC	HM_e	372	69	42	483	316
KDM3A	UCEC	HM_e	185	69	227	481	317
NAP1L2	UCEC	Others	241	69	166	476	318
RPA3	UCEC	Others	43	209	222	474	319
PRDM10	UCEC	HM_w	291	69	111	471	320
PHF13	UCEC	Others	127	69	272	468	321
BRD2	UCEC	HA_r	162	261	42	465	322
CDYL2	UCEC	HM_r	51	313	100	464	323
MTA3	UCEC	ChRC	92	327	42	461	324
TDRD1	UCEC	Others	285	69	107	461	325
HDAC3	UCEC	HA_e	260	69	127	456	326
ACTL6B	UCEC	ChRC	106	263	85	454	327
PADI1	UCEC	Others	131	69	254	454	328
PHRF1	UCEC	Others	342	69	42	453	329
SETDB2	UCEC	HM_w	275	69	109	453	330
RAI1	UCEC	Others	341	69	42	452	331
SMYD4	UCEC	HM_w	111	298	42	451	332
WDR82	UCEC	Others	57	349	42	448	333
PCGF5	UCEC	Others	226	69	152	447	334
TDRD7	UCEC	Others	284	69	90	443	335
RBBP4	UCEC	ChRC	61	338	42	441	336
HELLS	UCEC	Helicases	212	69	158	439	337
RBBP7	UCEC	ChRC	268	69	102	439	338
PAXIP1	UCEC	Others	327	69	42	438	339
TP53BP1	UCEC	Others	323	69	42	434	340
TCF19	UCEC	Others	12	250	170	432	341
FKBP1A	UCEC	Others	25	175	230	430	342
UBE2I	UCEC	Others	42	146	242	430	343
BRD7	UCEC	HA_r	194	69	163	426	344
PRMT8	UCEC	HM_w	85	231	110	426	345
AURKB	UCEC	Others	163	69	189	421	346
CBX5	UCEC	HM_r	104	274	42	420	347
MBD2	UCEC	DM_r	93	284	42	419	348

PHF19	UCEC	HM_r	126	69	223	418	349
CBX7	UCEC	HM_r	52	273	92	417	350
MBD3	UCEC	DM_r	22	168	226	416	351
ASH2L	UCEC	HM_w	303	69	42	414	352
PCGF6	UCEC	Others	34	69	307	410	353
AICDA	UCEC	DM_e	143	178	88	409	354
INO80	UCEC	Helicases	297	69	42	408	355
POLE3	UCEC	ChRC	63	303	42	408	356
MSL3	UCEC	HA_w	167	124	115	406	357
PRDM11	UCEC	HM_w	124	187	95	406	358
SMARCE1	UCEC	Helicases	113	251	42	406	359
GTF3C4	UCEC	HA_w	234	69	98	401	360
RNF20	UCEC	Others	290	69	42	401	361
CBX6	UCEC	HM_r	70	198	131	399	362
HSPBAP1	UCEC	Others	96	260	42	398	363
SUZ12	UCEC	ChRC	286	69	42	397	364
ING5	UCEC	HM_r	16	69	311	396	365
GADD45A	UCEC	Others	18	193	183	394	366
UBE2E1	UCEC	Others	58	69	267	394	367
SCML4	UCEC	Others	84	160	148	392	368
PHF2	UCEC	Others	278	69	42	389	369
PADI3	UCEC	Others	228	69	87	384	370
ZCWPW2	UCEC	HM_r	40	145	197	382	371
ING2	UCEC	HM_r	66	271	42	379	372
PHF23	UCEC	HM_r	125	212	42	379	373
PPARGC1A	UCEC	Others	199	69	105	373	374
SMNDC1	UCEC	Others	20	69	284	373	375
PADI4	UCEC	Others	254	69	42	365	376
PHF11	UCEC	Others	128	115	122	365	377
SETD7	UCEC	HM_w	148	69	146	363	378
IDH1	UCEC	DM_e	136	69	156	361	379
USP22	UCEC	Others	244	69	42	355	380
TRIM66	UCEC	HA_r	172	69	106	347	381
PADI6	UCEC	Others	14	69	262	345	382
KDM6B	UCEC	HM_e	231	69	42	342	383

ELP4	UCEC	HA_w	103	196	42	341	384
GTF2F1	UCEC	Others	159	139	42	340	385
GLYR1	UCEC	HM_r	100	192	42	334	386
PHF6	UCEC	HM_r	219	69	42	330	387
DOT1L	UCEC	HM_w	214	69	42	325	388
HIF1AN	UCEC	Others	211	69	42	322	389
PADI2	UCEC	Others	130	69	123	322	390
RTF1	UCEC	Others	118	161	42	321	391
PRDM8	UCEC	HM_w	30	113	177	320	392
MUM1	UCEC	Others	207	69	42	318	393
WDR5	UCEC	ChRC	77	69	169	315	394
AEBP2	UCEC	HM_w	72	200	42	314	395
MORF4L1	UCEC	HM_r	45	215	42	302	396
PRDM6	UCEC	HM_w	123	123	42	288	397
SIRT6	UCEC	HA_e	13	157	118	288	398
NAP1L1	UCEC	Others	91	69	124	284	399
GTF2B	UCEC	Others	99	140	42	281	400
HAT1	UCEC	HA_w	97	138	42	277	401
GADD45B	UCEC	Others	24	69	182	275	402
KDM1A	UCEC	HM_e	156	69	42	267	403
PRDM12	UCEC	HM_w	32	69	150	251	404
SIRT3	UCEC	HA_e	60	69	119	248	405
MARCH5	UCEC	Others	133	69	42	244	406
UBE2A	UCEC	Others	73	121	42	236	407
H2AFZ	UCEC	Others	69	69	97	235	408
UHRF1	UCEC	DM_r	107	69	42	218	409
PHF5A	UCEC	Others	33	133	42	208	410
ING3	UCEC	HM_r	95	69	42	206	411
TDG	UCEC	ChRC	79	69	42	190	412
HDAC8	UCEC	HA_e	55	69	42	166	413
UBE2B	UCEC	Others	28	69	42	139	414
KDM5D	UCEC	HM_e	15	69	42	126	415
UTY	UCEC	HM_e	11	69	42	122	416
ATAD2	UCS	HA_r	401	411	426	1238	1
SETDB1	UCS	HM_w	410	396	407	1213	2

SMARCC2	UCS	Helicases	407	386	401	1194	3
ACTL6A	UCS	ChRC	357	403	410	1170	4
CHD7	UCS	Helicases	391	410	337	1138	5
DNMT3B	UCS	DM_w	336	401	399	1136	6
BPTF	UCS	HA_r	397	366	369	1132	7
SMARCA4	UCS	Helicases	408	395	322	1125	8
ERCC5	UCS	Others	328	382	414	1124	9
AEBP2	UCS	HM_w	356	368	381	1105	10
PHC3	UCS	ChRC	280	416	403	1099	11
HDAC6	UCS	HA_e	389	356	350	1095	12
ATR	UCS	Others	399	330	356	1085	13
CHD4	UCS	Helicases	426	363	281	1070	14
CTCF	UCS	Others	419	273	366	1058	15
DPF2	UCS	Others	334	362	353	1049	16
HDAC7	UCS	HA_e	388	355	306	1049	17
SETD1A	UCS	HM_w	366	338	345	1049	18
ARID2	UCS	ChRC	354	333	357	1044	19
NCOA1	UCS	HA_w	284	388	348	1020	20
CHRA1	UCS	ChRC	190	405	423	1018	21
BOP 1	UCS	Others	208	406	400	1014	22
HAT1	UCS	HA_w	321	358	333	1012	23
BRD4	UCS	HA_r	206	393	405	1004	24
EZH2	UCS	HM_w	327	323	351	1001	25
HIST1H1B	UCS	Others	315	353	332	1000	26
KAT6A	UCS	HA_w	304	418	274	996	27
FBXL19	UCS	Others	326	381	279	986	28
HLTF	UCS	Others	314	316	330	960	29
ARID4B	UCS	ChRC	217	332	409	958	30
HDAC2	UCS	HA_e	319	260	378	957	31
KDM1B	UCS	HM_e	301	350	301	952	32
PRDM8	UCS	HM_w	369	222	361	952	33
ARID1B	UCS	ChRC	405	289	257	951	34
SUZ12	UCS	ChRC	237	295	419	951	35
BAZ1B	UCS	HA_r	350	285	314	949	36
CHD2	UCS	Helicases	342	324	282	948	37

HDGF	UCS	Others	155	389	404	948	38
CBX4	UCS	HM_r	199	365	380	944	39
ATF7IP	UCS	Others	214	331	394	939	40
EHMT1	UCS	HM_w	332	269	334	935	41
DNMT1	UCS	DM_w	186	391	355	932	42
JARID2	UCS	ChRC	309	314	304	927	43
NSD1	UCS	HM_w	412	307	208	927	44
BRD9	UCS	HA_r	205	328	393	926	45
ING1	UCS	HM_r	147	379	397	923	46
DNMT3A	UCS	DM_w	185	383	354	922	47
GATAD2B	UCS	HM_r	167	390	365	922	48
SUV39H1	UCS	HM_w	239	336	343	918	49
MEN1	UCS	ChRC	288	238	391	917	50
ASH1L	UCS	HM_w	216	415	285	916	51
PHF20L1	UCS	HM_r	89	409	418	916	52
PHF8	UCS	Others	275	344	296	915	53
CBX8	UCS	ChRC	197	325	392	914	54
HDAC5	UCS	HA_e	318	319	277	914	55
KAT6B	UCS	HA_w	136	378	396	910	56
MBD4	UCS	DM_r	290	240	375	905	57
H3F3A	UCS	Others	161	321	420	902	58
FMR1	UCS	Others	325	322	252	899	59
CBX2	UCS	ChRC	201	326	368	895	60
AKAP1	UCS	Others	218	334	340	892	61
KDM5A	UCS	HM_e	130	377	385	892	62
NCOR2	UCS	Others	413	235	243	891	63
RTF1	UCS	Others	256	210	424	890	64
PRDM1	UCS	HM_w	411	343	134	888	65
SCMH1	UCS	Others	254	340	292	886	66
USP51	UCS	Others	226	370	289	885	67
DPY30	UCS	Others	182	361	336	879	68
TCEA1	UCS	Others	34	420	425	879	69
ACTL6B	UCS	ChRC	222	369	287	878	70
TDRD12	UCS	Others	32	426	417	875	71
KMT2E	UCS	HM_w	292	309	271	872	72

L3MBTL3	UCS	Others	383	243	245	871	73
ATAT1	UCS	Others	215	367	283	865	74
PRDM15	UCS	HM_w	371	224	268	863	75
TAF1	UCS	HA_r	406	193	261	860	76
BAZ2B	UCS	HA_r	349	283	227	859	77
HIST1H3B	UCS	Others	151	317	386	854	78
ASH2L	UCS	HM_w	404	407	42	853	79
PYGO2	UCS	HM_r	69	397	384	850	80
CBX3	UCS	HM_r	200	278	367	845	81
KDM4D	UCS	HM_e	297	248	299	844	82
SRCAP	UCS	Others	243	371	230	844	83
KMT2A	UCS	HM_w	293	376	174	843	84
SIRT7	UCS	HA_e	48	373	422	843	85
BRPF3	UCS	HA_r	204	327	311	842	86
ATM	UCS	Others	400	69	370	839	87
ASXL3	UCS	Others	402	288	148	838	88
FKBP5	UCS	Others	171	359	308	838	89
AFF4	UCS	Others	221	292	317	830	90
CHD5	UCS	Helicases	420	69	338	827	91
RNF2	UCS	ChRC	261	303	263	827	92
AIRE	UCS	HM_r	219	290	316	825	93
ELP4	UCS	HA_w	179	267	379	825	94
L3MBTL1	UCS	HM_r	384	399	42	825	95
PARP1	UCS	Others	103	346	374	823	96
SCML2	UCS	HM_r	367	69	383	819	97
ASXL1	UCS	Others	352	424	42	818	98
KDM6A	UCS	HM_e	295	310	211	816	99
BRD8	UCS	HA_r	346	281	188	815	100
ING2	UCS	HM_r	312	256	247	815	101
KDM5B	UCS	HM_e	296	246	272	814	102
TDRD10	UCS	Others	232	385	192	809	103
BAZ2A	UCS	HA_r	210	284	313	807	104
PHF3	UCS	Others	374	228	201	803	105
CBX5	UCS	HM_r	393	69	339	801	106
HIST1H1C	UCS	Others	152	318	331	801	107

JMJD6	UCS	HM_e	139	253	408	800	108
CREBBP	UCS	HA_w	421	69	309	799	109
AICDA	UCS	DM_e	220	291	286	797	110
DPF1	UCS	ChRC	335	419	42	796	111
KDM3B	UCS	HM_e	299	250	246	795	112
FKBP2	UCS	Others	172	400	222	794	113
PADI6	UCS	Others	378	69	347	794	114
RNF40	UCS	Others	63	341	390	794	115
KAT5	UCS	HA_w	137	352	302	791	116
ING4	UCS	HM_r	145	315	329	789	117
IDH2	UCS	DM_e	313	257	217	787	118
PRDM14	UCS	HM_w	83	408	295	786	119
SIN3A	UCS	ChRC	250	301	234	785	120
PHC1	UCS	ChRC	282	232	270	784	121
DIDO1	UCS	Others	337	404	42	783	122
EHMT2	UCS	HM_w	331	268	184	783	123
KDM4A	UCS	HM_e	132	349	300	781	124
HDAC4	UCS	HA_e	157	258	364	779	125
PBRM1	UCS	HA_r	376	234	167	777	126
CHD6	UCS	Helicases	341	392	42	775	127
BRWD3	UCS	HA_r	394	69	310	773	128
SCML4	UCS	Others	61	339	373	773	129
KDM5C	UCS	HM_e	416	311	42	769	130
PHF10	UCS	Others	96	375	297	768	131
BRD1	UCS	HA_r	396	329	42	767	132
SIN3B	UCS	ChRC	53	300	412	765	133
PPARGC1A	UCS	Others	372	227	165	764	134
TDRD9	UCS	Others	230	189	342	761	135
ASXL2	UCS	Others	403	69	284	756	136
SND1	UCS	HM_r	362	198	195	755	137
PHC2	UCS	ChRC	281	231	241	753	138
EPC1	UCS	Others	329	69	352	750	139
CDYL	UCS	HM_r	343	364	42	749	140
SIRT5	UCS	HA_e	50	337	359	746	141
BRWD1	UCS	HA_r	422	279	42	743	142

IWS1	UCS	Others	310	69	363	742	143
TDRD5	UCS	Others	231	190	320	741	144
ARID4A	UCS	ChRC	353	69	315	737	145
NCOA3	UCS	HA_w	283	412	42	737	146
SMARCA2	UCS	Helicases	409	203	124	736	147
DNMT3L	UCS	DM_w	184	271	280	735	148
HDAC11	UCS	HA_e	159	357	219	735	149
L3MBTL4	UCS	Others	125	308	298	731	150
SMARCE1	UCS	Helicases	42	299	389	730	151
SFMBT2	UCS	Others	365	207	156	728	152
NAP1L2	UCS	Others	414	69	244	727	153
TRIM28	UCS	HA_r	26	294	406	726	154
PHIP	UCS	HA_r	373	304	42	719	155
BRPF1	UCS	HA_r	395	280	42	717	156
EP400	UCS	HA_w	424	69	223	716	157
DMAP1	UCS	Others	187	272	253	712	158
SIRT2	UCS	HA_e	248	421	42	711	159
KDM4B	UCS	HM_e	417	249	42	708	160
ZCWPW1	UCS	HM_r	225	293	190	708	161
MECOM	UCS	Others	119	417	170	706	162
HDAC8	UCS	HA_e	387	69	249	705	163
KDM4E	UCS	HM_e	131	247	327	705	164
TCF20	UCS	Others	361	191	153	705	165
ING5	UCS	HM_r	144	254	305	703	166
KMT2D	UCS	HM_w	423	69	210	702	167
KAT8	UCS	HA_w	135	351	213	699	168
CDYL2	UCS	HM_r	196	276	224	696	169
STK31	UCS	Others	241	297	154	692	170
TAF3	UCS	HA_r	235	69	388	692	171
PRDM7	UCS	HM_w	267	223	200	690	172
TDRD1	UCS	Others	233	69	387	689	173
HDGFL1	UCS	Others	154	354	179	687	174
HDAC10	UCS	HA_e	320	320	42	682	175
SMYD3	UCS	HM_w	39	298	344	681	176
JMJD1C	UCS	HM_e	308	69	303	680	177

ZMYND8	UCS	HA_r	223	413	42	678	178
ATAD2B	UCS	HA_r	351	69	256	676	179
FBXW9	UCS	Others	174	360	142	676	180
ING3	UCS	HM_r	146	255	275	676	181
RBBP7	UCS	ChRC	263	214	197	674	182
SMYD2	UCS	HM_w	40	372	262	674	183
PHF1	UCS	HM_r	279	69	325	673	184
SMYD1	UCS	HM_w	246	69	358	673	185
KDM6B	UCS	HM_e	385	245	42	672	186
PHF21B	UCS	HM_r	87	345	240	672	187
BRD7	UCS	HA_r	347	282	42	671	188
PHF12	UCS	Others	94	374	203	671	189
ZMYND11	UCS	HA_r	224	183	258	665	190
KAT7	UCS	HA_w	303	313	42	658	191
KDM2A	UCS	HM_e	134	312	212	658	192
PRMT1	UCS	HM_w	77	342	239	658	193
TDRD6	UCS	Others	360	69	228	657	194
CHD9	UCS	Helicases	339	274	42	655	195
CARM1	UCS	HM_w	203	402	42	647	196
CHD1	UCS	Helicases	392	69	186	647	197
GTF2B	UCS	Others	165	262	220	647	198
KDM1A	UCS	HM_e	302	69	273	644	199
ARID1A	UCS	ChRC	425	69	149	643	200
BAZ1A	UCS	HA_r	211	286	146	643	201
G2E3	UCS	Others	323	69	251	643	202
FBXO17	UCS	Others	176	423	42	641	203
FKBP1A	UCS	Others	173	69	398	640	204
BRDT	UCS	HA_r	345	69	225	639	205
EP300	UCS	HA_w	330	266	42	638	206
FXR2	UCS	Others	324	265	42	631	207
RPH3A	UCS	Others	259	211	158	628	208
PRDM13	UCS	HM_w	270	225	132	627	209
INO80	UCS	Helicases	143	69	413	625	210
KMT2C	UCS	HM_w	415	69	139	623	211
SMARCB1	UCS	Helicases	47	202	372	621	212

CHD1L	UCS	Helicases	192	384	42	618	213
PRMT8	UCS	HM_w	72	387	159	618	214
TET1	UCS	DM_e	229	69	319	617	215
ATRX	UCS	Helicases	398	69	147	614	216
AFF1	UCS	Others	355	69	189	613	217
SHPRH	UCS	Others	364	206	42	612	218
PRDM11	UCS	HM_w	271	69	269	609	219
TCF19	UCS	Others	33	192	382	607	220
GTF2F1	UCS	Others	164	261	181	606	221
PHF11	UCS	Others	95	305	204	604	222
PRDM4	UCS	HM_w	268	69	267	604	223
PRDM5	UCS	HM_w	370	69	162	601	224
KANSL1	UCS	HA_w	306	252	42	600	225
PRDM9	UCS	HM_w	368	69	161	598	226
HDAC3	UCS	HA_e	158	259	180	597	227
RPA3	UCS	Others	62	212	323	597	228
PRKAA1	UCS	Others	80	221	294	595	229
SP110	UCS	HA_r	244	196	155	595	230
KMT2B	UCS	HM_w	126	425	42	593	231
BMI1	UCS	ChRC	209	69	312	590	232
KAT2B	UCS	HA_w	305	69	214	588	233
DPF3	UCS	HA_r	333	69	185	587	234
EED	UCS	ChRC	181	69	335	585	235
PADI1	UCS	Others	379	69	137	585	236
PHF19	UCS	HM_r	375	69	136	580	237
L3MBTL2	UCS	Others	291	244	42	577	238
TRIM33	UCS	HA_r	358	69	150	577	239
SUV39H2	UCS	HM_w	238	296	42	576	240
HIRA	UCS	Others	153	380	42	575	241
KDM8	UCS	HM_e	127	69	377	573	242
POLE3	UCS	ChRC	85	69	416	570	243
RNF217	UCS	Others	64	213	293	570	244
RNF17	UCS	Others	262	69	238	569	245
MARCH5	UCS	Others	123	69	376	568	246
PAF1	UCS	Others	104	422	42	568	247

SMARCD2	UCS	Helicases	44	200	321	565	248
NAP1L3	UCS	Others	285	69	209	563	249
RSF1	UCS	ChRC	257	69	237	563	250
TDG	UCS	ChRC	234	69	260	563	251
BRD3	UCS	HA_r	348	69	145	562	252
PRMT2	UCS	HM_w	76	219	266	561	253
KDM3A	UCS	HM_e	133	251	176	560	254
JMJD8	UCS	HM_e	307	69	178	554	255
CLOCK	UCS	HA_w	338	69	144	551	256
MLLT10	UCS	HM_w	118	69	362	549	257
PHF23	UCS	HM_r	278	229	42	549	258
KDM2B	UCS	HM_e	300	69	177	546	259
RBBP5	UCS	ChRC	66	215	264	545	260
GATAD2A	UCS	HM_r	168	69	307	544	261
TDRKH	UCS	Others	29	394	121	544	262
AURKB	UCS	Others	213	287	42	542	263
SSRP1	UCS	Others	242	69	229	540	264
LBR	UCS	Others	124	242	173	539	265
JADE3	UCS	Others	140	69	328	537	266
SMARCC1	UCS	Helicases	46	69	421	536	267
MBTD1	UCS	Others	120	239	171	530	268
PHF20	UCS	HM_r	90	398	42	530	269
HCFC1	UCS	Others	418	69	42	529	270
SETD6	UCS	HM_w	58	69	402	529	271
NAP1L1	UCS	Others	110	69	349	528	272
SMARCD3	UCS	Helicases	43	69	415	527	273
UBE2E1	UCS	Others	22	186	318	526	274
PWWP2B	UCS	Others	265	217	42	524	275
MLLT6	UCS	HM_w	117	237	169	523	276
MTF2	UCS	HM_r	286	69	168	523	277
FBXO44	UCS	Others	175	69	278	522	278
RAI1	UCS	Others	264	216	42	522	279
SMNDC1	UCS	Others	41	69	411	521	280
SP140L	UCS	HA_r	35	194	291	520	281
CBX7	UCS	HM_r	198	277	42	517	282

CHAF1B	UCS	ChRC	193	69	255	517	283
PAXIP1	UCS	Others	102	69	346	517	284
DAXX	UCS	ChRC	188	69	254	511	285
CHD3	UCS	Helicases	191	275	42	508	286
MPHOSPH8	UCS	HM_r	115	348	42	505	287
PRDM10	UCS	HM_w	272	69	164	505	288
BRD2	UCS	HA_r	207	69	226	502	289
CXXC1	UCS	Others	390	69	42	501	290
MTA3	UCS	ChRC	112	347	42	501	291
PRDM2	UCS	HM_w	269	69	163	501	292
SETD7	UCS	HM_w	57	209	235	501	293
TAF1L	UCS	HA_r	236	69	193	498	294
HR	UCS	HM_e	386	69	42	497	295
SIRT1	UCS	HA_e	249	205	42	496	296
DOT1L	UCS	HM_w	183	270	42	495	297
HNF1A	UCS	ChRC	150	69	276	495	298
RING1	UCS	Others	65	69	360	494	299
MBD1	UCS	DM_r	382	69	42	493	300
PCGF6	UCS	Others	98	69	326	493	301
MBD5	UCS	DM_r	381	69	42	492	302
TP53BP1	UCS	Others	28	69	395	492	303
MSH6	UCS	HM_r	380	69	42	491	304
PARP2	UCS	Others	377	69	42	488	305
PHF14	UCS	Others	92	230	166	488	306
PHF13	UCS	Others	93	69	324	486	307
SMYD4	UCS	HM_w	245	199	42	486	308
RPS6KA5	UCS	Others	258	69	157	484	309
PHF7	UCS	Others	276	69	135	480	310
HDAC1	UCS	HA_e	160	69	250	479	311
SMARCD1	UCS	Helicases	45	201	232	478	312
SMYD5	UCS	HM_w	38	69	371	478	313
GADD45B	UCS	Others	169	264	42	475	314
SMARCA5	UCS	Helicases	363	69	42	474	315
GLYR1	UCS	HM_r	166	263	42	471	316
TET2	UCS	DM_e	359	69	42	470	317

UBE2B	UCS	Others	23	187	259	469	318
ZGPAT	UCS	Others	11	414	42	467	319
IDH1	UCS	DM_e	148	69	248	465	320
PRMT3	UCS	HM_w	266	69	130	465	321
SP100	UCS	HA_r	37	197	231	465	322
GADD45A	UCS	Others	170	69	221	460	323
PRKCD	UCS	Others	78	220	160	458	324
RNF20	UCS	Others	260	69	128	457	325
CBX6	UCS	HM_r	344	69	42	455	326
CECR2	UCS	HA_r	195	69	187	451	327
CHD8	UCS	Helicases	340	69	42	451	328
SATB1	UCS	Others	255	69	127	451	329
TET3	UCS	DM_e	228	69	152	449	330
PCGF2	UCS	Others	100	306	42	448	331
SETD4	UCS	HM_w	252	69	126	447	332
HDAC9	UCS	HA_e	156	69	218	443	333
PRDM12	UCS	HM_w	84	226	133	443	334
GTF2H1	UCS	Others	322	69	42	433	335
SUPT16H	UCS	Others	240	69	123	432	336
EPC2	UCS	Others	178	69	183	430	337
EZH1	UCS	HM_w	177	69	182	428	338
HELLS	UCS	Helicases	317	69	42	428	339
USP22	UCS	Others	18	69	341	428	340
HIF1AN	UCS	Others	316	69	42	427	341
JADE2	UCS	Others	141	69	216	426	342
SP140	UCS	HA_r	36	195	194	425	343
INTS12	UCS	Others	311	69	42	422	344
KAT2A	UCS	HA_w	138	69	215	422	345
ORC1	UCS	Others	108	69	242	419	346
UBR7	UCS	Others	227	69	120	416	347
KDM4C	UCS	HM_e	298	69	42	409	348
PRMT6	UCS	HM_w	74	69	265	408	349
KIAA2026	UCS	Others	294	69	42	405	350
MBD3	UCS	DM_r	121	241	42	404	351
CSTL1	UCS	Others	189	69	143	401	352

MECP2	UCS	DM_r	289	69	42	400	353
SETDB2	UCS	HM_w	56	302	42	400	354
MTA2	UCS	ChRC	287	69	42	398	355
USP27X	UCS	Others	17	335	42	394	356
MTA1	UCS	ChRC	113	236	42	391	357
PHF6	UCS	HM_r	277	69	42	388	358
SFMBT1	UCS	HM_r	54	208	125	387	359
PHRF1	UCS	Others	274	69	42	385	360
POLR2B	UCS	Others	273	69	42	384	361
PADI2	UCS	Others	107	69	207	383	362
UBE2A	UCS	Others	24	69	290	383	363
PADI3	UCS	Others	106	69	206	381	364
PCGF1	UCS	Others	101	69	205	375	365
GTF3C4	UCS	HA_w	163	69	141	373	366
KDM7A	UCS	HM_e	128	69	175	372	367
PCMT1	UCS	Others	97	233	42	372	368
H2AFZ	UCS	Others	162	69	140	371	369
ZCWPW2	UCS	HM_r	12	69	288	369	370
TRIM24	UCS	HA_r	27	188	151	366	371
SETD2	UCS	HM_w	253	69	42	364	372
SETD3	UCS	HM_w	59	69	236	364	373
MBD2	UCS	DM_r	122	69	172	363	374
PHF2	UCS	Others	91	69	202	362	375
SETD5	UCS	HM_w	251	69	42	362	376
SMARCA1	UCS	Helicases	247	69	42	358	377
SIRT4	UCS	HA_e	51	69	233	353	378
PRKAA2	UCS	Others	79	69	199	347	379
PRMT5	UCS	HM_w	75	218	42	335	380
RAG2	UCS	HM_r	68	69	198	335	381
SETD1B	UCS	HM_w	60	69	196	325	382
BAP1	UCS	Others	212	69	42	323	383
MSL3	UCS	HA_w	114	69	138	321	384
CBX1	UCS	HM_r	202	69	42	313	385
CHAF1A	UCS	ChRC	194	69	42	305	386
SIRT6	UCS	HA_e	49	204	42	295	387

ELP3	UCS	HA_w	180	69	42	291	388
TRIM66	UCS	HA_r	25	69	191	285	389
PRDM16	UCS	HM_w	82	69	131	282	390
PYGO1	UCS	HM_r	70	69	129	268	391
HSPBAP1	UCS	Others	149	69	42	260	392
JADE1	UCS	Others	142	69	42	253	393
UHRF1	UCS	DM_r	20	185	42	247	394
WDR5	UCS	ChRC	15	184	42	241	395
KDM5D	UCS	HM_e	129	69	42	240	396
MORF4L1	UCS	HM_r	116	69	42	227	397
MUM1	UCS	Others	111	69	42	222	398
TDRD7	UCS	Others	30	69	122	221	399
NCOR1	UCS	ChRC	109	69	42	220	400
PADI4	UCS	Others	105	69	42	216	401
PCGF5	UCS	Others	99	69	42	210	402
PHF21A	UCS	HM_r	88	69	42	199	403
PHF5A	UCS	Others	86	69	42	197	404
PRDM6	UCS	HM_w	81	69	42	192	405
PRMT7	UCS	HM_w	73	69	42	184	406
PSIP1	UCS	HM_r	71	69	42	182	407
RBBP4	UCS	ChRC	67	69	42	178	408
SETMAR	UCS	HM_w	55	69	42	166	409
SIRT3	UCS	HA_e	52	69	42	163	410
TDRD3	UCS	HM_r	31	69	42	142	411
UBE2I	UCS	Others	21	69	42	132	412
UHRF2	UCS	DM_r	19	69	42	130	413
UTY	UCS	HM_e	16	69	42	127	414
WDR82	UCS	Others	14	69	42	125	415
YY1	UCS	ChRC	13	69	42	124	416
EHMT2	UVM	HM_w	408	408	408	1224	1
ATAT1	UVM	Others	358	417	419	1194	2
BOP 1	UVM	Others	349	425	418	1192	3
ATAD2	UVM	HA_r	359	426	406	1191	4
TCF19	UVM	Others	376	404	402	1182	5
BRD2	UVM	HA_r	347	411	421	1179	6

CBX2	UVM	ChRC	414	394	371	1179	7
CDYL	UVM	HM_r	330	422	415	1167	8
CHRA1	UVM	ChRC	317	424	425	1166	9
BRPF3	UVM	HA_r	340	402	413	1155	10
CHD7	UVM	Helicases	320	410	420	1150	11
DAXX	UVM	ChRC	311	409	424	1144	12
CBX4	UVM	HM_r	334	393	401	1128	13
BRD4	UVM	HA_r	415	362	348	1125	14
CBX8	UVM	ChRC	331	392	389	1112	15
KAT6A	UVM	HA_w	424	337	341	1102	16
JARID2	UVM	ChRC	240	421	426	1087	17
MUM1	UVM	Others	392	325	358	1075	18
KDM3B	UVM	HM_e	397	334	339	1070	19
HIST1H1C	UVM	Others	257	415	393	1065	20
AFF4	UVM	Others	370	369	323	1062	21
ELP3	UVM	HA_w	299	349	412	1060	22
HIST1H3B	UVM	Others	256	414	386	1056	23
BRD7	UVM	HA_r	345	361	347	1053	24
CTCF	UVM	Others	313	352	388	1053	25
KDM1B	UVM	HM_e	230	420	400	1050	26
AIRE	UVM	HM_r	368	388	285	1041	27
EZH1	UVM	HM_w	294	386	343	1023	28
PCGF2	UVM	Others	389	378	254	1021	29
HDAC5	UVM	HA_e	425	383	198	1006	30
ATF7IP	UVM	Others	418	365	219	1002	31
CHAF1A	UVM	ChRC	327	356	319	1002	32
ING5	UVM	HM_r	246	382	365	993	33
PHF20L1	UVM	HM_r	155	423	410	988	34
HDAC3	UVM	HA_e	268	342	366	976	35
CARM1	UVM	HM_w	337	358	280	975	36
PHF1	UVM	HM_r	164	407	404	975	37
CBX1	UVM	HM_r	336	357	279	972	38
KAT7	UVM	HA_w	232	336	392	960	39
HIST1H1B	UVM	Others	258	416	269	943	40
ATM	UVM	Others	357	364	218	939	41

RING1	UVM	Others	115	406	414	935	42
DOT1L	UVM	HM_w	305	350	273	928	43
HDAC10	UVM	HA_e	271	343	312	926	44
KDM5B	UVM	HM_e	220	331	361	912	45
BAP1	UVM	Others	426	69	416	911	46
SIRT5	UVM	HA_e	82	419	403	904	47
DNMT3L	UVM	DM_w	306	387	209	902	48
LBR	UVM	Others	207	330	360	897	49
FKBP5	UVM	Others	286	401	206	893	50
H3F3A	UVM	Others	274	344	272	890	51
CHD4	UVM	Helicases	322	354	213	889	52
KAT2A	UVM	HA_w	399	380	105	884	53
CHD9	UVM	Helicases	318	353	212	883	54
TCEA1	UVM	Others	48	405	422	875	55
ARID1B	UVM	ChRC	422	403	42	867	56
KMT2A	UVM	HM_w	213	391	263	867	57
IDH1	UVM	DM_e	251	339	268	858	58
BRWD1	UVM	HA_r	339	359	158	856	59
SMARCA4	UVM	Helicases	377	311	168	856	60
AICDA	UVM	DM_e	369	368	117	854	61
HDAC4	UVM	HA_e	267	384	199	850	62
PHRF1	UVM	Others	386	69	394	849	63
PRMT2	UVM	HM_w	128	321	396	845	64
FBXW9	UVM	Others	289	348	207	844	65
FXR2	UVM	Others	405	69	367	841	66
SIRT7	UVM	HA_e	80	376	384	840	67
PRDM15	UVM	HM_w	138	323	375	836	68
BRPF1	UVM	HA_r	341	69	423	833	69
GATAD2A	UVM	HM_r	281	346	203	830	70
HDGFL1	UVM	Others	261	418	151	830	71
MBTD1	UVM	Others	200	327	303	830	72
KMT2D	UVM	HM_w	423	69	335	827	73
ACTL6A	UVM	ChRC	374	69	381	824	74
GTF2F1	UVM	Others	277	345	202	824	75
BRD1	UVM	HA_r	416	363	42	821	76

MEN1	UVM	ChRC	393	69	359	821	77
DNMT1	UVM	DM_w	309	351	155	815	78
ATAD2B	UVM	HA_r	419	69	322	810	79
ARID1A	UVM	ChRC	366	69	373	808	80
KANSL1	UVM	HA_w	236	381	191	808	81
RAI1	UVM	Others	380	69	357	806	82
SMARCD2	UVM	Helicases	72	375	352	799	83
MBD3	UVM	DM_r	203	329	261	793	84
RBBP5	UVM	ChRC	117	318	356	791	85
HNF1A	UVM	ChRC	254	341	195	790	86
BRD3	UVM	HA_r	346	69	372	787	87
HR	UVM	HM_e	253	340	194	787	88
H2AFZ	UVM	Others	404	69	313	786	89
GADD45B	UVM	Others	282	347	153	782	90
ASXL1	UVM	Others	361	69	349	779	91
AKAP1	UVM	Others	367	367	42	776	92
CHD3	UVM	Helicases	323	69	380	772	93
KDM6A	UVM	HM_e	396	69	307	772	94
ASXL3	UVM	Others	420	69	282	771	95
ASH2L	UVM	HM_w	362	366	42	770	96
KMT2C	UVM	HM_w	395	69	306	770	97
SETD4	UVM	HM_w	98	316	355	769	98
TET3	UVM	DM_e	375	69	325	769	99
L3MBTL2	UVM	Others	394	69	304	767	100
PADI2	UVM	Others	390	69	301	760	101
CHD1	UVM	Helicases	412	69	276	757	102
CLOCK	UVM	HA_w	316	69	370	755	103
PRDM11	UVM	HM_w	385	69	300	754	104
PRDM2	UVM	HM_w	384	69	299	752	105
DPY30	UVM	Others	302	69	379	750	106
PRDM4	UVM	HM_w	383	69	298	750	107
L3MBTL3	UVM	Others	209	399	140	748	108
BRD8	UVM	HA_r	344	360	42	746	109
HDAC1	UVM	HA_e	272	69	405	746	110
ATRX	UVM	Helicases	355	69	321	745	111

PHC1	UVM	ChRC	167	324	252	743	112
PHF10	UVM	Others	163	397	183	743	113
BAZ2B	UVM	HA_r	351	69	320	740	114
PRMT7	UVM	HM_w	124	320	295	739	115
EP400	UVM	HA_w	297	69	369	735	116
IWS1	UVM	Others	400	69	266	735	117
GTF2B	UVM	Others	278	69	387	734	118
KDM1A	UVM	HM_e	398	69	264	731	119
CREBBP	UVM	HA_w	315	69	346	730	120
PRDM16	UVM	HM_w	137	412	179	728	121
FKBP1A	UVM	Others	288	69	368	725	122
CHAF1B	UVM	ChRC	326	355	42	723	123
DNMT3A	UVM	DM_w	308	69	345	722	124
SIRT6	UVM	HA_e	81	312	328	721	125
ASH1L	UVM	HM_w	363	69	284	716	126
DPF2	UVM	Others	303	69	344	716	127
PRDM1	UVM	HM_w	143	390	180	713	128
ASXL2	UVM	Others	360	69	283	712	129
CHD1L	UVM	Helicases	325	69	318	712	130
MTA1	UVM	ChRC	191	326	186	703	131
BMI1	UVM	ChRC	350	69	281	700	132
HDAC2	UVM	HA_e	269	385	42	696	133
KDM4A	UVM	HM_e	226	69	398	693	134
SIN3B	UVM	ChRC	87	314	291	692	135
PRDM7	UVM	HM_w	134	377	178	689	136
EPC2	UVM	Others	406	69	208	683	137
FBXL19	UVM	Others	292	69	317	678	138
CDYL2	UVM	HM_r	329	69	278	676	139
FBXO17	UVM	Others	291	69	316	676	140
MECOM	UVM	Others	199	69	407	675	141
CECR2	UVM	HA_r	328	69	277	674	142
JADE3	UVM	Others	241	69	364	674	143
SP100	UVM	HA_r	62	373	237	672	144
FKBP2	UVM	Others	287	69	315	671	145
JMJD8	UVM	HM_e	237	69	363	669	146

CHD2	UVM	Helicases	324	69	275	668	147
SMYD2	UVM	HM_w	67	310	288	665	148
SP140L	UVM	HA_r	59	370	236	665	149
GATAD2B	UVM	HM_r	280	69	314	663	150
ING3	UVM	HM_r	401	69	193	663	151
AFF1	UVM	Others	371	69	222	662	152
KDM4B	UVM	HM_e	225	333	103	661	153
KDM2A	UVM	HM_e	229	69	362	660	154
MORF4L1	UVM	HM_r	195	69	395	659	155
ARID4A	UVM	ChRC	365	69	221	655	156
ARID4B	UVM	ChRC	364	69	220	653	157
DNMT3B	UVM	DM_w	307	69	274	650	158
ARID2	UVM	ChRC	421	69	159	649	159
HDAC6	UVM	HA_e	266	69	311	646	160
KAT5	UVM	HA_w	234	69	342	645	161
HDAC9	UVM	HA_e	263	69	310	642	162
AURKB	UVM	Others	354	69	217	640	163
KAT8	UVM	HA_w	231	69	340	640	164
PARP1	UVM	Others	174	69	397	640	165
RNF217	UVM	Others	111	396	128	635	166
BPTF	UVM	HA_r	348	69	216	633	167
KDM4D	UVM	HM_e	223	69	338	630	168
MBD5	UVM	DM_r	201	328	101	630	169
PHF13	UVM	Others	160	69	399	628	170
ING4	UVM	HM_r	247	338	42	627	171
ING2	UVM	HM_r	248	69	309	626	172
PADI1	UVM	Others	179	69	378	626	173
KDM5C	UVM	HM_e	219	69	337	625	174
PRDM10	UVM	HM_w	142	389	94	625	175
KDM8	UVM	HM_e	215	69	336	620	176
PHC2	UVM	ChRC	166	69	385	620	177
CBX3	UVM	HM_r	335	69	215	619	178
MLLT6	UVM	HM_w	196	379	42	617	179
JMJD1C	UVM	HM_e	239	69	308	616	180
PCGF1	UVM	Others	170	69	377	616	181

CBX7	UVM	HM_r	332	69	214	615	182
HCFC1	UVM	Others	273	69	271	613	183
PRKCD	UVM	Others	130	69	411	610	184
PCMT1	UVM	Others	168	398	42	608	185
PHF12	UVM	Others	161	69	376	606	186
KDM2B	UVM	HM_e	228	335	42	605	187
AEBP2	UVM	HM_w	372	69	160	601	188
HDGF	UVM	Others	262	69	270	601	189
SP110	UVM	HA_r	61	372	166	599	190
SP140	UVM	HA_r	60	371	165	596	191
KDM5A	UVM	HM_e	221	332	42	595	192
PRDM14	UVM	HM_w	139	413	42	594	193
CHD5	UVM	Helicases	411	69	113	593	194
MTA2	UVM	ChRC	190	69	334	593	195
CXXC1	UVM	Others	312	69	211	592	196
PHF3	UVM	Others	387	69	135	591	197
DMAP1	UVM	Others	310	69	210	589	198
DPF3	UVM	HA_r	409	69	110	588	199
IDH2	UVM	DM_e	250	69	267	586	200
EP300	UVM	HA_w	407	69	109	585	201
L3MBTL1	UVM	HM_r	210	69	305	584	202
PRDM8	UVM	HM_w	382	69	131	582	203
HAT1	UVM	HA_w	403	69	107	579	204
JADE2	UVM	Others	242	69	265	576	205
SMARCE1	UVM	Helicases	70	374	126	570	206
RBBP4	UVM	ChRC	118	69	374	561	207
SMARCC1	UVM	Helicases	75	69	417	561	208
ACTL6B	UVM	ChRC	373	69	118	560	209
CBX6	UVM	HM_r	333	69	157	559	210
FMR1	UVM	Others	285	69	205	559	211
NAP1L1	UVM	Others	187	69	302	558	212
GADD45A	UVM	Others	283	69	204	556	213
TDRD6	UVM	Others	40	395	120	555	214
PHF23	UVM	HM_r	152	69	333	554	215
PCGF6	UVM	Others	388	69	96	553	216

CHD6	UVM	Helicases	321	69	156	546	217
GTF3C4	UVM	HA_w	275	69	201	545	218
PPARGC1A	UVM	Others	144	69	332	545	219
ATR	UVM	Others	356	69	116	541	220
PRDM12	UVM	HM_w	141	69	331	541	221
HDAC11	UVM	HA_e	270	69	200	539	222
RPH3A	UVM	Others	379	69	91	539	223
BAZ1A	UVM	HA_r	353	69	115	537	224
MBD2	UVM	DM_r	204	69	262	535	225
PRMT8	UVM	HM_w	123	319	92	534	226
HDAC7	UVM	HA_e	265	69	197	531	227
SHPRH	UVM	Others	89	400	42	531	228
BAZ2A	UVM	HA_r	417	69	42	528	229
SMARCB1	UVM	Helicases	76	69	383	528	230
HELLS	UVM	Helicases	260	69	196	525	231
CBX5	UVM	HM_r	413	69	42	524	232
BRWD3	UVM	HA_r	338	69	114	521	233
DIDO1	UVM	Others	410	69	42	521	234
SETD5	UVM	HM_w	97	69	354	520	235
EZH2	UVM	HM_w	293	69	154	516	236
HIRA	UVM	Others	402	69	42	513	237
NCOA1	UVM	HA_w	184	69	260	513	238
NCOA3	UVM	HA_w	183	69	259	511	239
NCOR2	UVM	Others	181	69	258	508	240
RPA3	UVM	Others	109	69	330	508	241
SSRP1	UVM	Others	57	69	382	508	242
SIRT3	UVM	HA_e	84	69	353	506	243
UBE2E1	UVM	Others	27	69	409	505	244
NSD1	UVM	HM_w	391	69	42	502	245
PADI6	UVM	Others	176	69	257	502	246
GLYR1	UVM	HM_r	279	69	152	500	247
PAF1	UVM	Others	175	69	256	500	248
JMJD6	UVM	HM_e	238	69	192	499	249
PRDM6	UVM	HM_w	135	322	42	499	250
PRDM9	UVM	HM_w	133	69	297	499	251

PARP2	UVM	Others	173	69	255	497	252
CSTL1	UVM	Others	314	69	112	495	253
PSIP1	UVM	HM_r	381	69	42	492	254
PCGF5	UVM	Others	169	69	253	491	255
PRMT6	UVM	HM_w	125	69	296	490	256
SETD2	UVM	HM_w	378	69	42	489	257
SFMBT1	UVM	HM_r	91	69	329	489	258
PWWP2B	UVM	Others	122	69	294	485	259
DPF1	UVM	ChRC	304	69	111	484	260
SMYD5	UVM	HM_w	64	69	351	484	261
PHF11	UVM	Others	162	69	251	482	262
USP22	UVM	Others	22	69	391	482	263
PHF19	UVM	HM_r	158	69	250	477	264
RNF2	UVM	ChRC	113	69	293	475	265
HLTF	UVM	Others	255	69	150	474	266
ZGPAT	UVM	Others	13	69	390	472	267
L3MBTL4	UVM	Others	208	69	190	467	268
TDRD9	UVM	Others	38	308	119	465	269
SCML2	UVM	HM_r	103	69	292	464	270
SMYD1	UVM	HM_w	68	69	327	464	271
BAZ1B	UVM	HA_r	352	69	42	463	272
INO80	UVM	Helicases	245	69	149	463	273
G2E3	UVM	Others	284	69	108	461	274
JADE1	UVM	Others	243	69	148	460	275
TDRD5	UVM	Others	41	69	350	460	276
SETD1B	UVM	HM_w	100	317	42	459	277
MECP2	UVM	DM_r	198	69	189	456	278
BRD9	UVM	HA_r	343	69	42	454	279
MLLT10	UVM	HM_w	197	69	188	454	280
PRDM5	UVM	HM_w	136	69	249	454	281
BRDT	UVM	HA_r	342	69	42	453	282
SETD6	UVM	HM_w	96	315	42	453	283
SRCAP	UVM	Others	58	69	326	453	284
MPHOSPH8	UVM	HM_r	194	69	187	450	285
KAT6B	UVM	HA_w	233	69	147	449	286

PRKAA1	UVM	Others	132	69	248	449	287
SUZ12	UVM	ChRC	52	309	88	449	288
KDM3A	UVM	HM_e	227	69	146	442	289
NAP1L2	UVM	Others	186	69	185	440	290
KDM4C	UVM	HM_e	224	69	145	438	291
SIRT4	UVM	HA_e	83	313	42	438	292
SMARCA5	UVM	Helicases	77	69	290	436	293
KDM4E	UVM	HM_e	222	69	144	435	294
HIF1AN	UVM	Others	259	69	106	434	295
ORC1	UVM	Others	180	69	184	433	296
SMARCC2	UVM	Helicases	74	69	289	432	297
CHD8	UVM	Helicases	319	69	42	430	298
KDM6B	UVM	HM_e	217	69	143	429	299
KDM7A	UVM	HM_e	216	69	142	427	300
RNF40	UVM	Others	110	69	247	426	301
KMT2E	UVM	HM_w	211	69	141	421	302
SETD1A	UVM	HM_w	101	69	246	416	303
EED	UVM	ChRC	301	69	42	412	304
EHMT1	UVM	HM_w	300	69	42	411	305
WDR5	UVM	ChRC	18	69	324	411	306
MBD4	UVM	DM_r	202	69	139	410	307
PHF14	UVM	Others	159	69	182	410	308
ELP4	UVM	HA_w	298	69	42	409	309
SETD7	UVM	HM_w	95	69	245	409	310
KAT2B	UVM	HA_w	235	69	104	408	311
EPC1	UVM	Others	296	69	42	407	312
ERCC5	UVM	Others	295	69	42	406	313
SFMBT2	UVM	Others	90	69	244	403	314
FBXO44	UVM	Others	290	69	42	401	315
PHF5A	UVM	Others	151	69	181	401	316
SIRT2	UVM	HA_e	85	69	243	397	317
SMARCA1	UVM	Helicases	79	69	242	390	318
GTF2H1	UVM	Others	276	69	42	387	319
KIAA2026	UVM	Others	214	69	102	385	320
SMARCD3	UVM	Helicases	71	69	241	381	321

SMNDC1	UVM	Others	69	69	240	378	322
PRKAA2	UVM	Others	131	69	177	377	323
UBE2B	UVM	Others	28	307	42	377	324
HDAC8	UVM	HA_e	264	69	42	375	325
SMYD3	UVM	HM_w	66	69	239	374	326
PHC3	UVM	ChRC	165	69	138	372	327
UHRF1	UVM	DM_r	24	306	42	372	328
ZCWPW1	UVM	HM_r	15	69	287	371	329
SND1	UVM	HM_r	63	69	238	370	330
PYGO1	UVM	HM_r	121	69	176	366	331
ZMYND8	UVM	HA_r	11	69	286	366	332
PYGO2	UVM	HM_r	120	69	175	364	333
HSPBAP1	UVM	Others	252	69	42	363	334
ING1	UVM	HM_r	249	69	42	360	335
PHF21A	UVM	HM_r	154	69	137	360	336
SUPT16H	UVM	Others	55	69	235	359	337
ZMYND11	UVM	HA_r	12	305	42	359	338
PHF21B	UVM	HM_r	153	69	136	358	339
MTF2	UVM	HM_r	188	69	100	357	340
RNF17	UVM	Others	114	69	174	357	341
SUV39H1	UVM	HM_w	54	69	234	357	342
INTS12	UVM	Others	244	69	42	355	343
NAP1L3	UVM	Others	185	69	99	353	344
PHF7	UVM	Others	149	69	134	352	345
PHF8	UVM	Others	148	69	133	350	346
RSF1	UVM	ChRC	107	69	173	349	347
TCF20	UVM	Others	47	69	233	349	348
TDG	UVM	ChRC	46	69	232	347	349
SATB1	UVM	Others	105	69	172	346	350
PADI3	UVM	Others	178	69	98	345	351
SCML4	UVM	Others	102	69	171	342	352
TDRD3	UVM	HM_r	42	69	231	342	353
PRDM13	UVM	HM_w	140	69	132	341	354
TDRD7	UVM	Others	39	69	230	338	355
PBRM1	UVM	HA_r	171	69	97	337	356

TET1	UVM	DM_e	36	69	229	334	357
SETDB1	UVM	HM_w	94	69	170	333	358
TET2	UVM	DM_e	35	69	228	332	359
SETDB2	UVM	HM_w	93	69	169	331	360
TP53BP1	UVM	Others	34	69	227	330	361
KDM5D	UVM	HM_e	218	69	42	329	362
PRMT1	UVM	HM_w	129	69	130	328	363
TRIM28	UVM	HA_r	32	69	226	327	364
KMT2B	UVM	HM_w	212	69	42	323	365
UBE2A	UVM	Others	29	69	225	323	366
UBE2I	UVM	Others	26	69	224	319	367
MARCH5	UVM	Others	206	69	42	317	368
RAG2	UVM	HM_r	119	69	129	317	369
MBD1	UVM	DM_r	205	69	42	316	370
USP51	UVM	Others	20	69	223	312	371
POLE3	UVM	ChRC	146	69	95	310	372
MSH6	UVM	HM_r	193	69	42	304	373
MSL3	UVM	HA_w	192	69	42	303	374
SMYD4	UVM	HM_w	65	69	167	301	375
MTA3	UVM	ChRC	189	69	42	300	376
NCOR1	UVM	ChRC	182	69	42	293	377
PRMT3	UVM	HM_w	127	69	93	289	378
PADI4	UVM	Others	177	69	42	288	379
PAXIP1	UVM	Others	172	69	42	283	380
SIRT1	UVM	HA_e	86	69	127	282	381
TDRD10	UVM	Others	44	69	164	277	382
TDRKH	UVM	Others	37	69	163	269	383
PHF2	UVM	Others	157	69	42	268	384
PHF20	UVM	HM_r	156	69	42	267	385
RPS6KA5	UVM	Others	108	69	90	267	386
RTF1	UVM	Others	106	69	89	264	387
TRIM33	UVM	HA_r	31	69	162	262	388
PHF6	UVM	HM_r	150	69	42	261	389
TRIM66	UVM	HA_r	30	69	161	260	390
PHIP	UVM	HA_r	147	69	42	258	391

POLR2B	UVM	Others	145	69	42	256	392
STK31	UVM	Others	56	69	125	250	393
TAF1	UVM	HA_r	51	69	124	244	394
TAF1L	UVM	HA_r	50	69	123	242	395
TAF3	UVM	HA_r	49	69	122	240	396
PRMT5	UVM	HM_w	126	69	42	237	397
TDRD1	UVM	Others	45	69	121	235	398
RBBP7	UVM	ChRC	116	69	42	227	399
RNF20	UVM	Others	112	69	42	223	400
SCMH1	UVM	Others	104	69	42	215	401
SETD3	UVM	HM_w	99	69	42	210	402
SETMAR	UVM	HM_w	92	69	42	203	403
SIN3A	UVM	ChRC	88	69	42	199	404
TDRD12	UVM	Others	43	69	87	199	405
SMARCA2	UVM	Helicases	78	69	42	189	406
SMARCD1	UVM	Helicases	73	69	42	184	407
ZCWPW2	UVM	HM_r	14	69	86	169	408
SUV39H2	UVM	HM_w	53	69	42	164	409
TRIM24	UVM	HA_r	33	69	42	144	410
UBR7	UVM	Others	25	69	42	136	411
UHRF2	UVM	DM_r	23	69	42	134	412
USP27X	UVM	Others	21	69	42	132	413
UTY	UVM	HM_e	19	69	42	130	414
WDR82	UVM	Others	17	69	42	128	415
YY1	UVM	ChRC	16	69	42	127	416