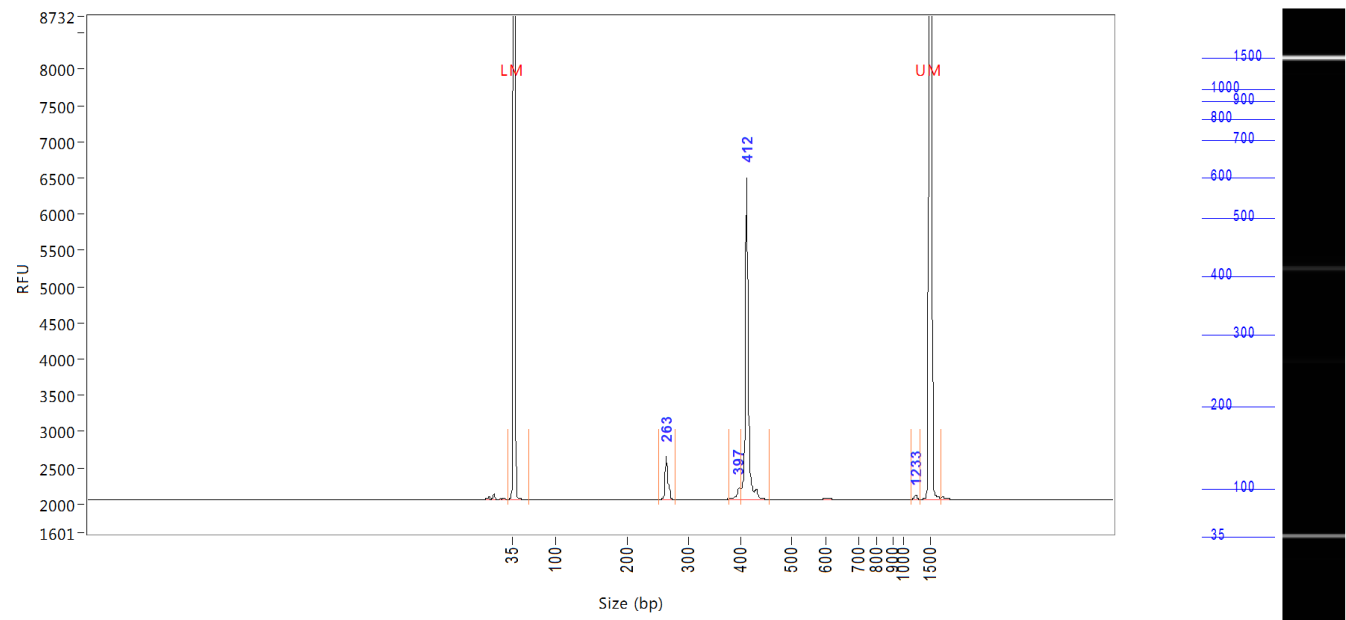


Supplemental Figure S5

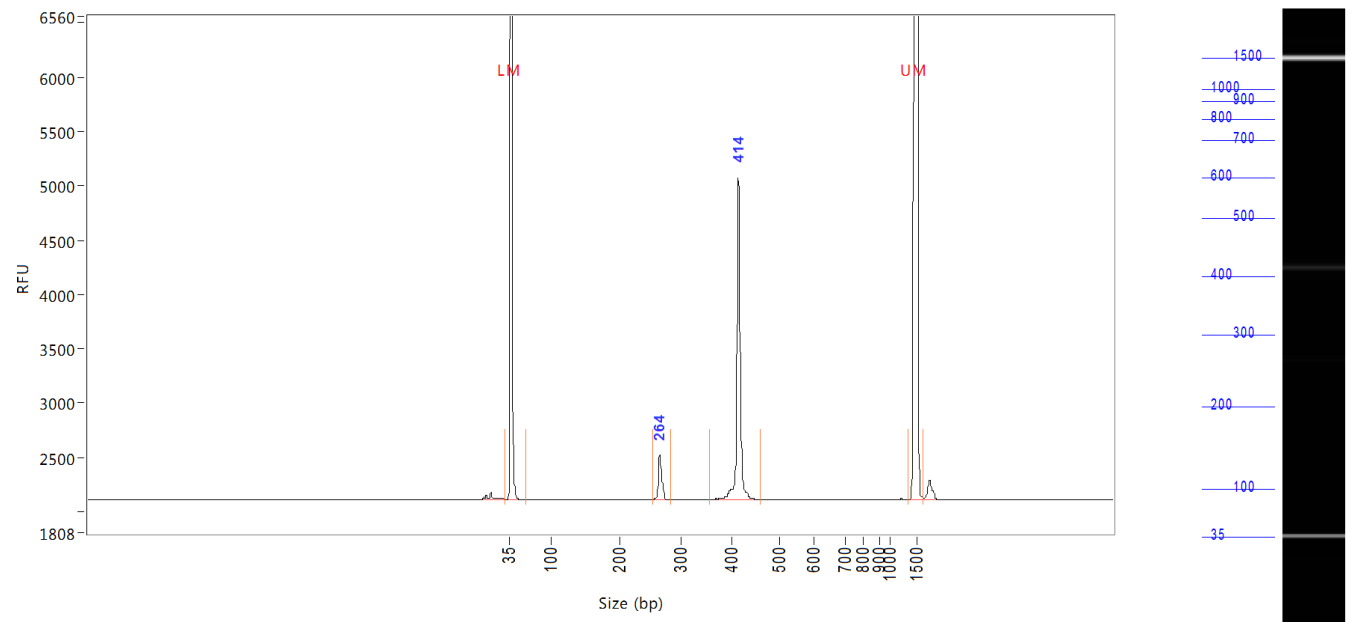
Supplemental Figure S5. Capillary fragment analyzer results for RT-PCR products of wild-type and mutant midigenes. For each sample, RT-PCR was performed in duplicate, indicated as (1) and (2), and products were run onto a capillary electrophoresis system to quantify the different fragment quantities expressed over the entire fragment mix. Bp = base pair; LM = lower marker; UM = upper marker; RFU = Relative Fluorescence Unit; CV% = Coefficient of Variation; TIC = Total Integrated Concentration; TIM = Total Integrated Molarity

BA1_WT(1)



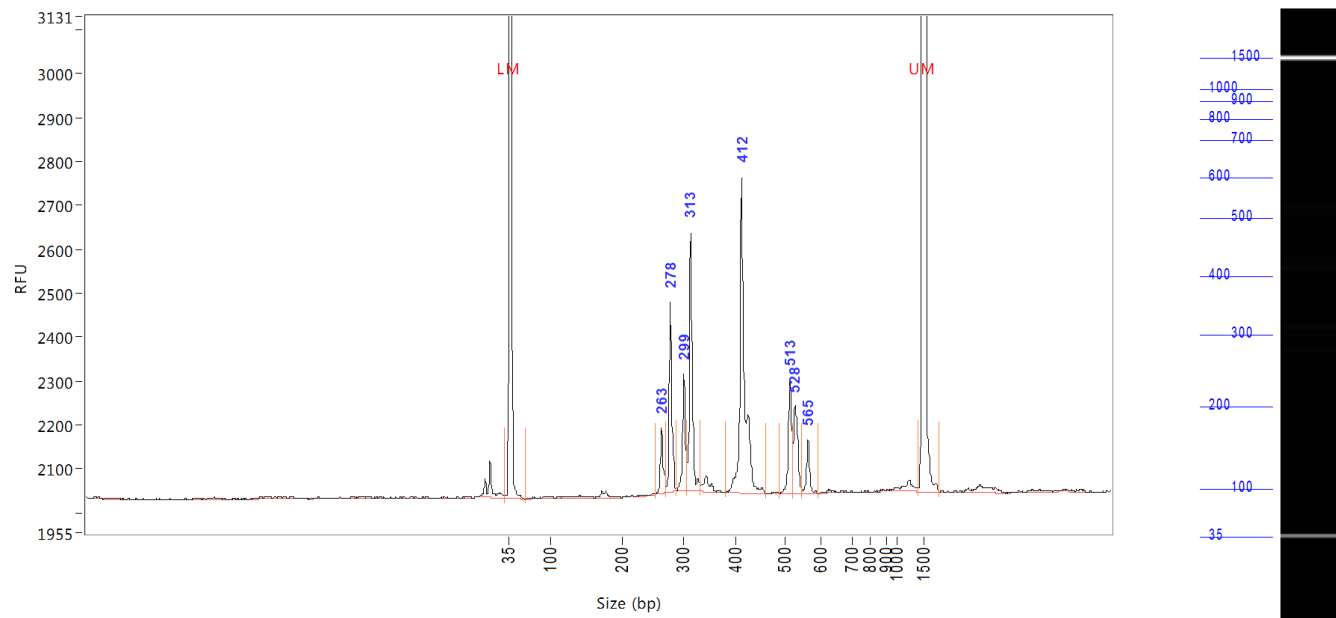
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4243	35	4.50	15989	73.125
2	263	0.2550	263	1.14	613	3.662
3	397	0.0894	394	1.40	160	1.284
4	412	1.6474	413	1.33	4447	23.661
5	1233	0.0197	1231	2.42	65	0.283
6	1500 (UM)	0.5000	1495	1.42	26346	86.173
TIC:		2.0115	ng/uL			
TIM:		8.563	nmole/L			
Total Conc.:		2.1062	ng/uL			

BA1_WT(2)



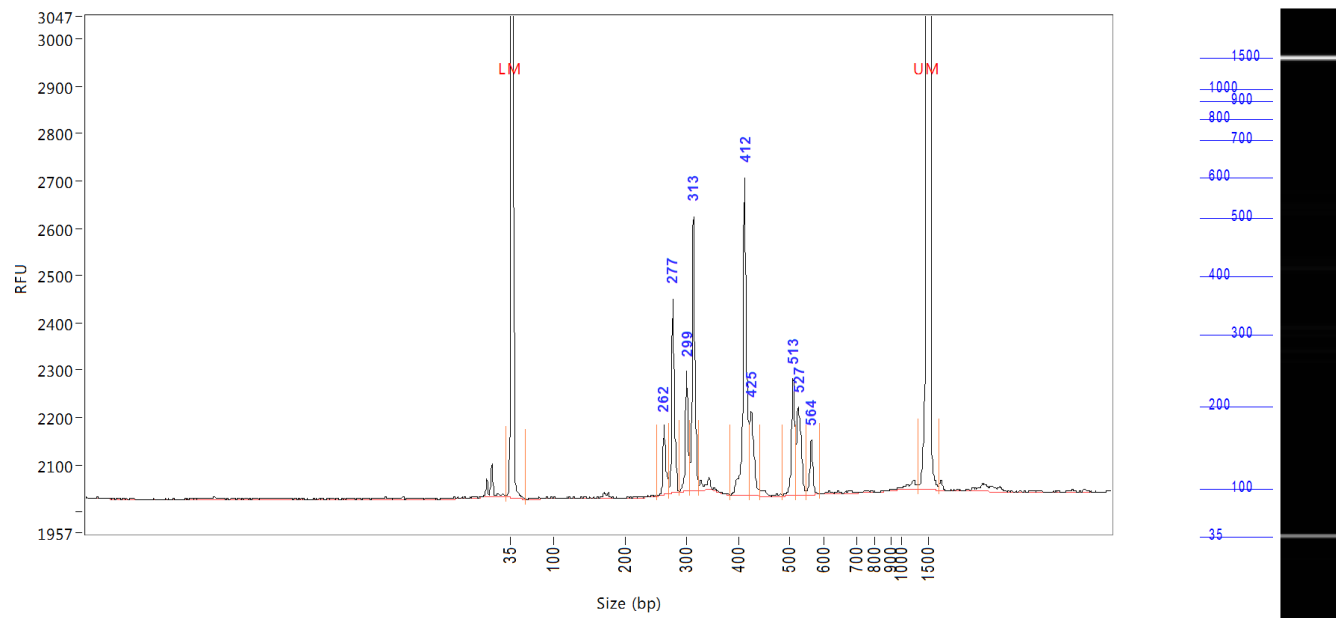
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3979	35	4.83	13038	60.826
2	264	0.2095	265	1.23	417	2.669
3	414	1.4194	413	1.89	2966	18.082
4	1500 (UM)	0.5000	1493	1.60	19558	76.433
TIC:		1.6289	ng/uL			
TIM:		6.945	nmole/L			
Total Conc.:		1.7211	ng/uL			

BA1_c.160+5G>C(1)



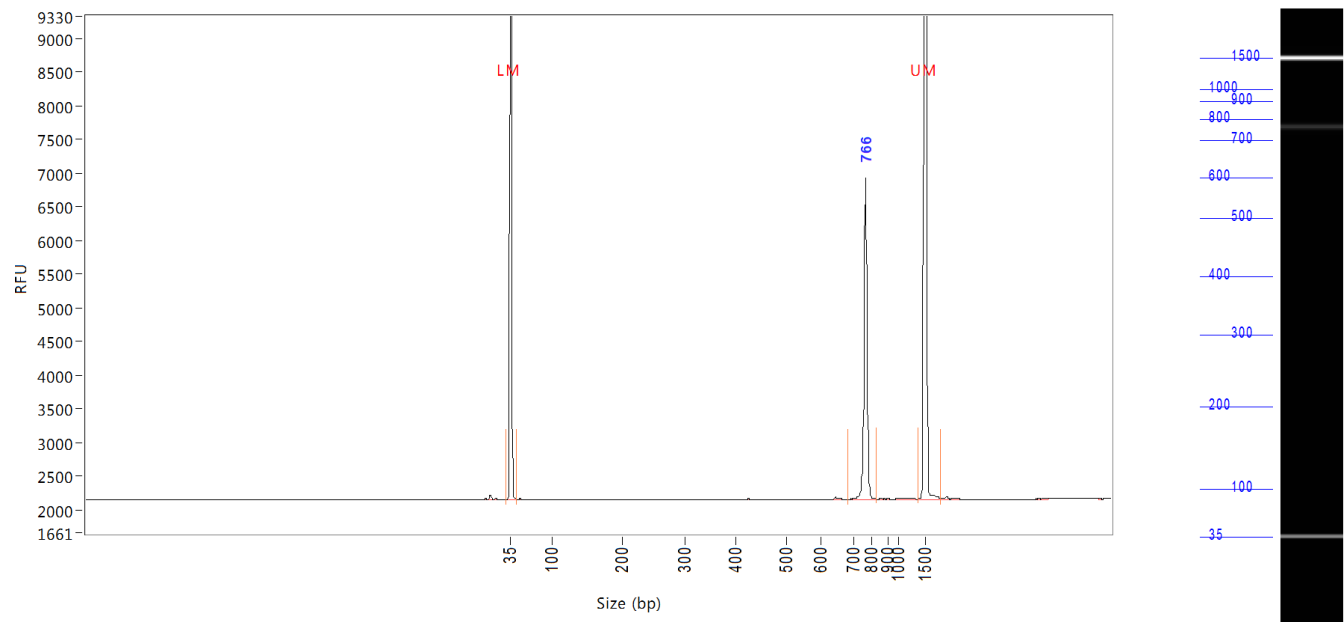
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4003	35	4.32	14980	69.802
2	263	0.0608	264	1.10	150	0.884
3	278	0.1597	278	0.88	432	2.320
4	299	0.1057	300	1.16	266	1.536
5	313	0.2275	314	1.37	587	3.306
6	412	0.4173	416	2.38	718	6.063
7	513	0.1012	513	1.07	259	1.470
8	528	0.1004	530	1.03	199	1.458
9	565	0.0434	565	1.11	123	0.630
10	1500 (UM)	0.5000	1494	1.47	26782	87.178
	TIC:	1.2160	ng/uL			
	TIM:	5.531	nmole/L			
	Total Conc.:	1.3237	ng/uL			

BA1_c.160+5G>C(2)



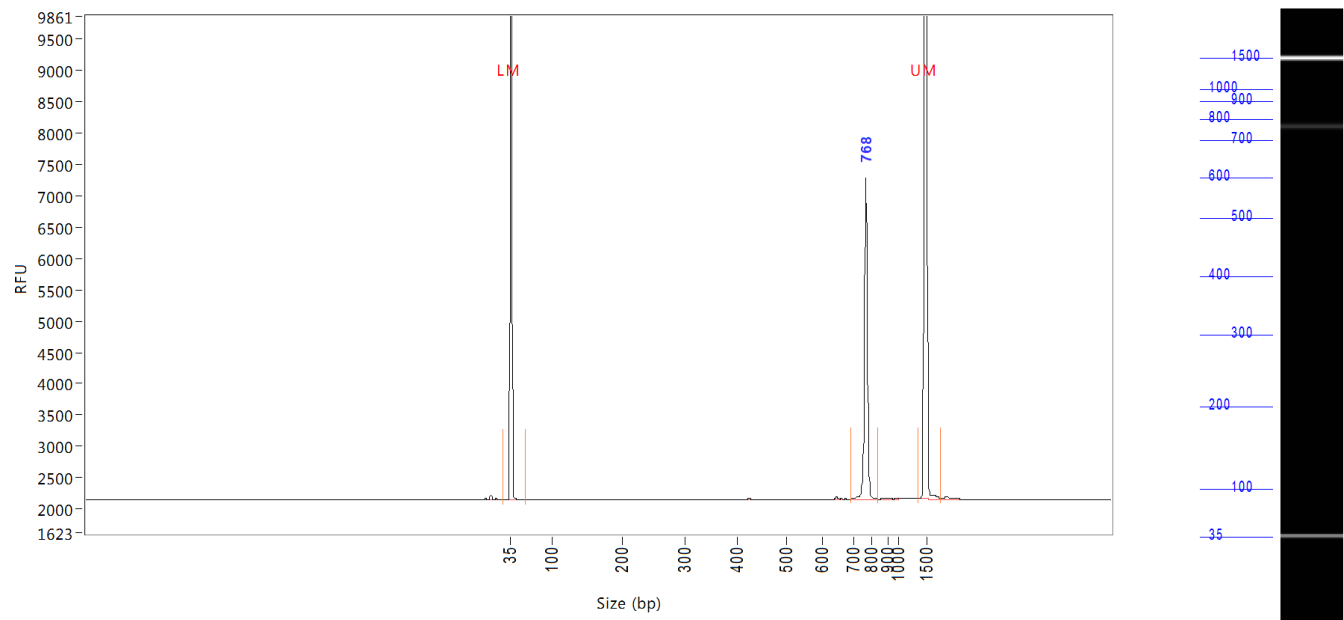
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4190	35	4.33	12882	58.895
2	262	0.0727	263	1.08	146	0.851
3	277	0.1888	277	0.90	410	2.211
4	299	0.1231	299	1.10	255	1.442
5	313	0.2582	312	0.88	579	3.024
6	412	0.3660	411	1.35	671	4.287
7	425	0.1207	427	1.14	178	1.414
8	513	0.1236	512	1.13	248	1.448
9	527	0.1159	530	1.00	188	1.358
10	564	0.0498	563	0.99	116	0.584
11	1500 (UM)	0.5000	1493	1.46	21349	70.283
TIC:		1.4187	ng/uL			
TIM:		6.440	nmole/L			
Total Conc.:		1.5326	ng/uL			

BA7_WT(1)



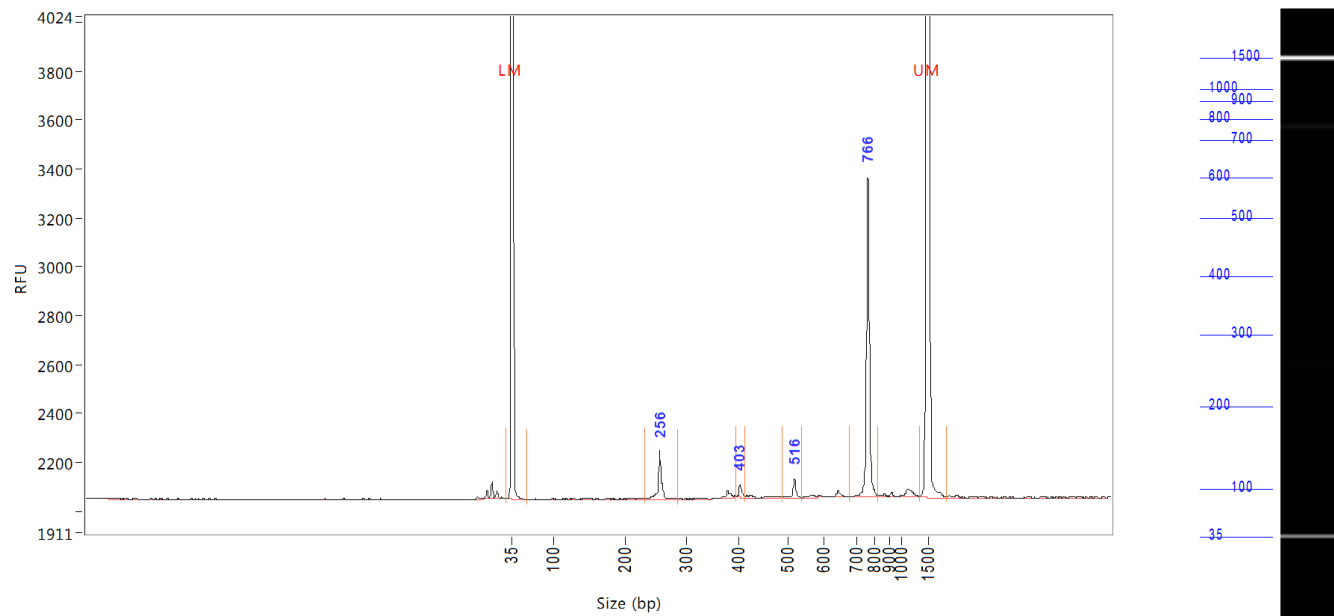
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4000	34	4.00	13895	65.079
2	766	1.6001	764	1.41	4776	21.697
3	1500 (UM)	0.5000	1493	1.64	24928	81.358
TIC:		1.6001	ng/uL			
TIM:		3.437	nmole/L			
Total Conc.:		1.7629	ng/uL			

BA7_WT(2)



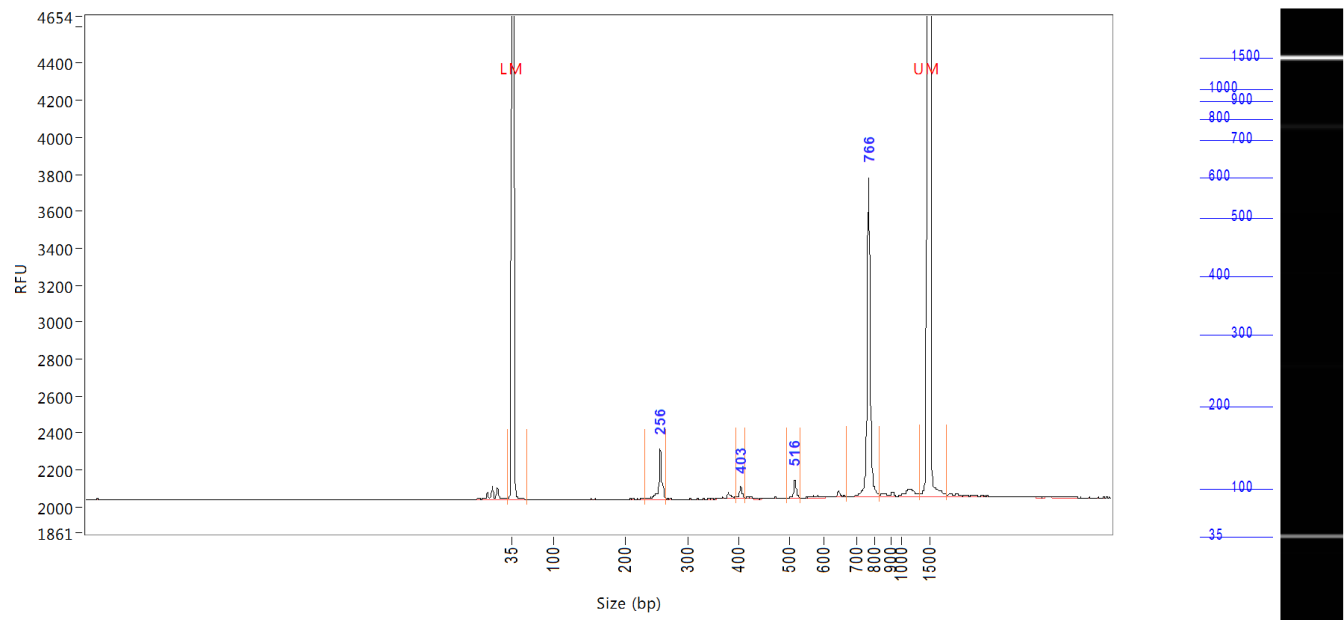
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4006	35	4.51	14649	68.394
2	768	1.6012	766	1.34	5128	22.781
3	1500 (UM)	0.5000	1492	1.62	26341	85.364
TIC:		1.6012	ng/uL			
TIM:		3.430	nmole/L			
Total Conc.:		1.7358	ng/uL			

BA7_c.859-9T>C(1)



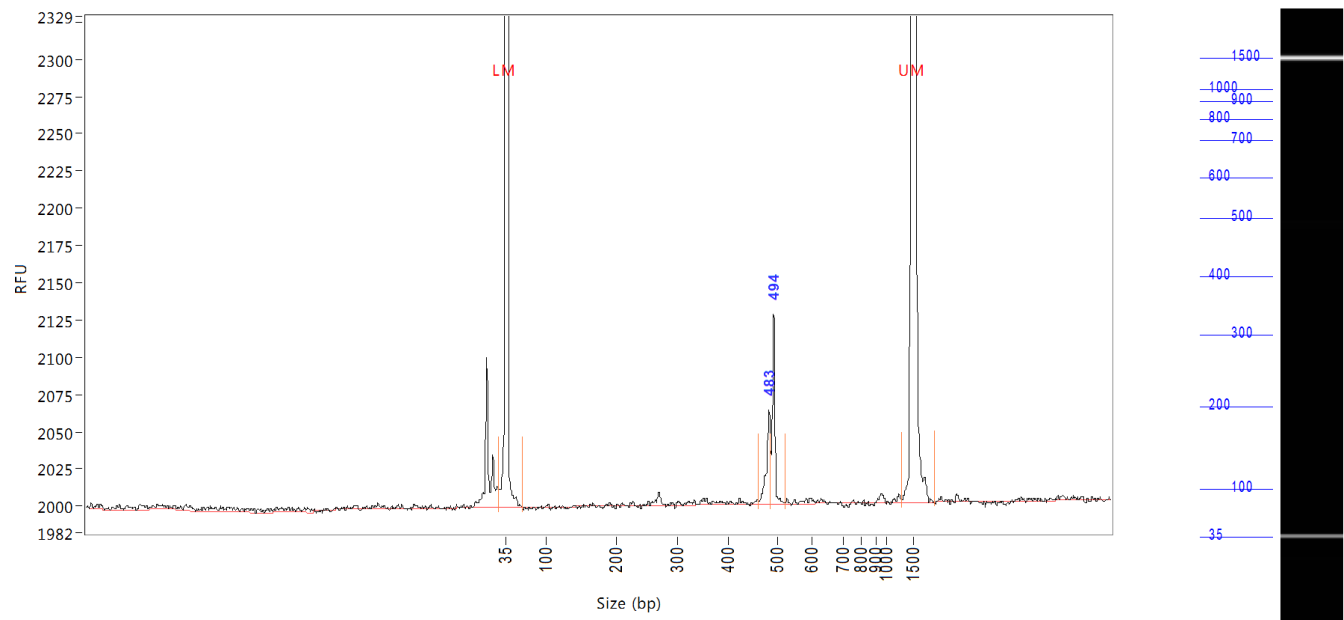
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3945	34	4.16	12171	56.337
2	256	0.1088	255	2.49	199	1.295
3	403	0.0238	404	0.85	54	0.283
4	516	0.0322	515	1.32	79	0.383
5	766	0.5038	765	1.67	1307	5.996
6	1500 (UM)	0.5000	1493	1.60	21871	71.408
TIC:		0.6686	ng/uL			
TIM:		1.981	nmole/L			
Total Conc.:		0.8361	ng/uL			

BA7_c.859-9T>C(2)



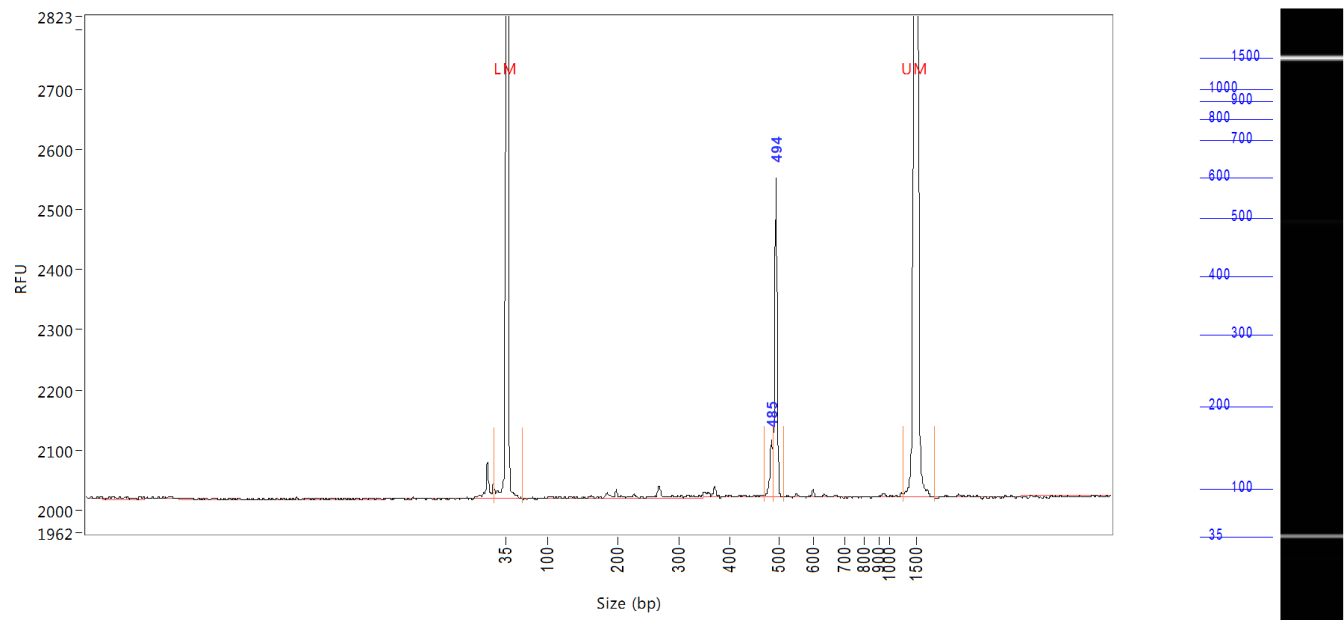
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4059	34	4.30	12260	56.860
2	256	0.1452	254	2.06	278	1.695
3	403	0.0307	402	0.91	66	0.358
4	516	0.0403	515	1.07	101	0.471
5	766	0.6876	765	1.83	1726	8.026
6	1500 (UM)	0.5000	1496	1.68	21360	70.035
TIC:		0.9038	ng/uL			
TIM:		2.665	nmole/L			
Total Conc.:		1.1012	ng/uL			

BA15_WT(1)



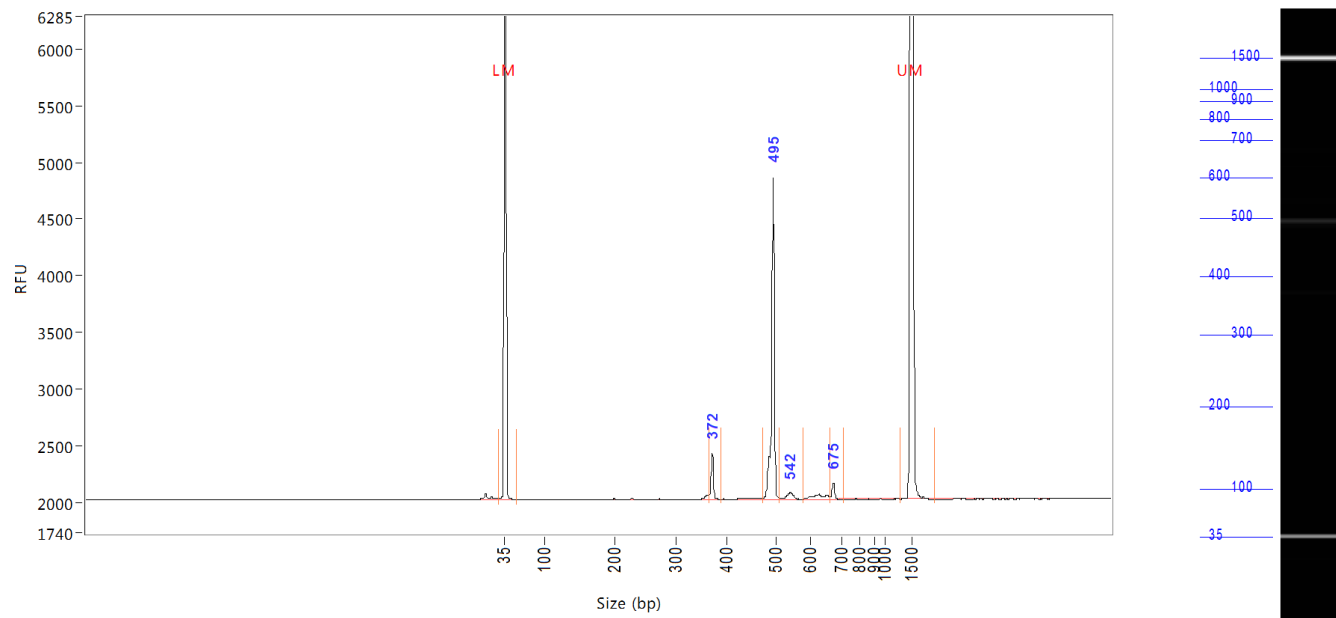
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4252	35	4.47	11209	52.032
2	483	0.0429	480	1.12	64	0.437
3	494	0.0559	493	0.81	127	0.570
4	1500 (UM)	0.5000	1493	1.63	17397	61.186
TIC:		0.0988	ng/uL			
TIM:		0.332	nmole/L			
Total Conc.:		0.1514	ng/uL			

BA15_WT(2)



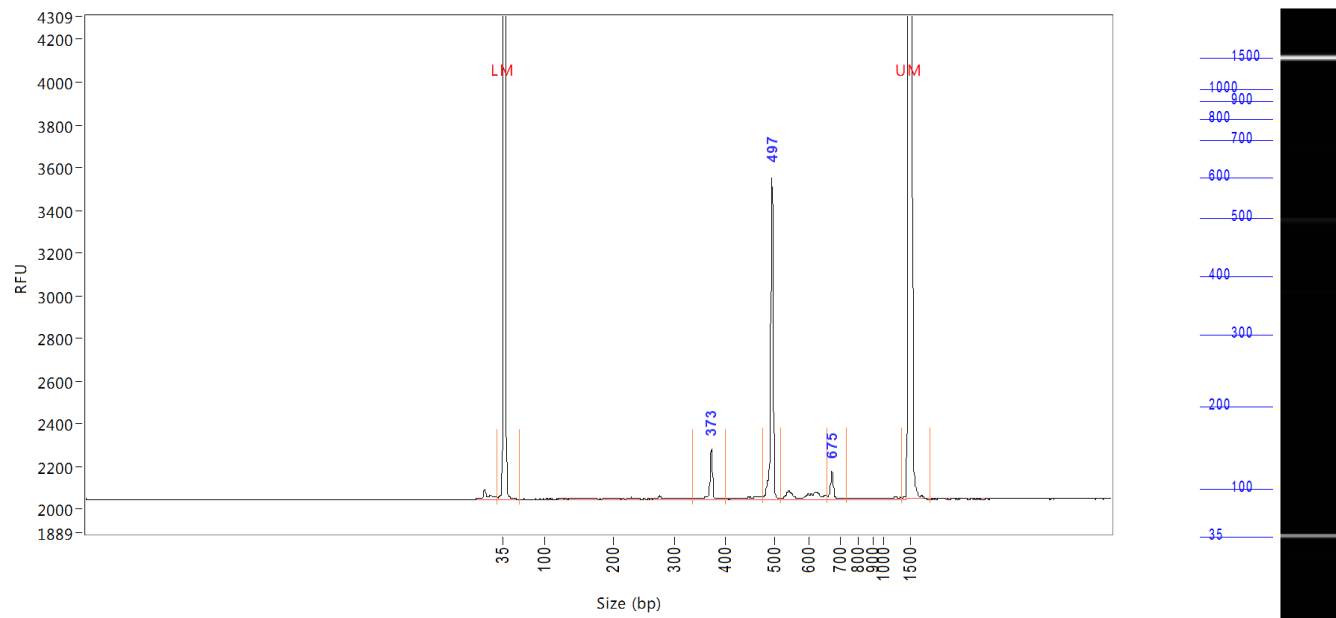
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4245	34	4.90	11010	51.600
2	485	0.0477	483	0.69	95	0.483
3	494	0.2140	493	0.47	533	2.168
4	1500 (UM)	0.5000	1491	1.61	17328	60.778
TIC:		0.2618	ng/uL			
TIM:		0.875	nmole/L			
Total Conc.:		0.3750	ng/uL			

BA15_c.2919-6C>A(1)



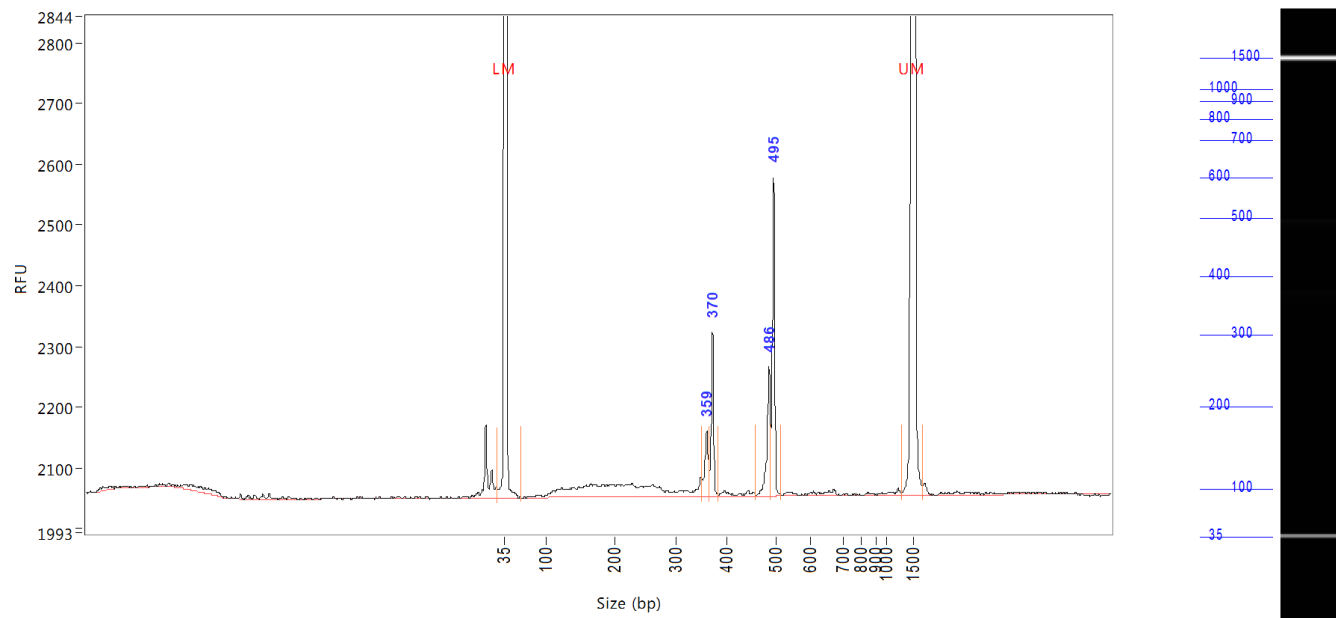
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4333	34	4.19	12094	57.430
2	372	0.1610	371	0.64	410	1.778
3	495	1.2223	493	0.83	2830	13.500
4	542	0.0567	539	1.83	56	0.626
5	675	0.0551	673	0.59	142	0.609
6	1500 (UM)	0.5000	1491	1.58	18790	66.269
TIC:		1.4951	ng/uL			
TIM:		5.078	nmole/L			
Total Conc.:		1.6261	ng/uL			

BA15_c.2919-6C>A(2)



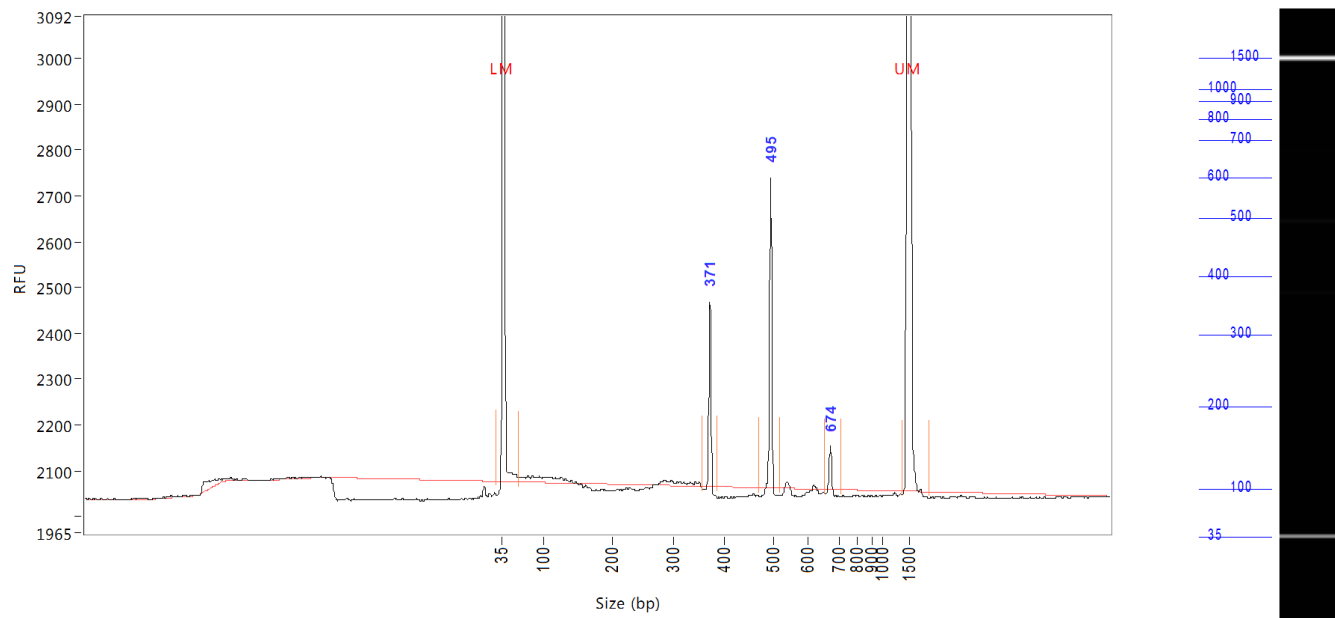
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4371	35	4.53	12390	59.116
2	373	0.1157	371	2.34	235	1.303
3	497	0.6008	495	0.79	1507	6.771
4	675	0.0603	677	1.96	129	0.679
5	1500 (UM)	0.5000	1496	1.58	19017	67.615
TIC:		0.7767	ng/uL			
TIM:		2.647	nmole/L			
Total Conc.:		1.0485	ng/uL			

BA15_c.2919-10T>C(1)



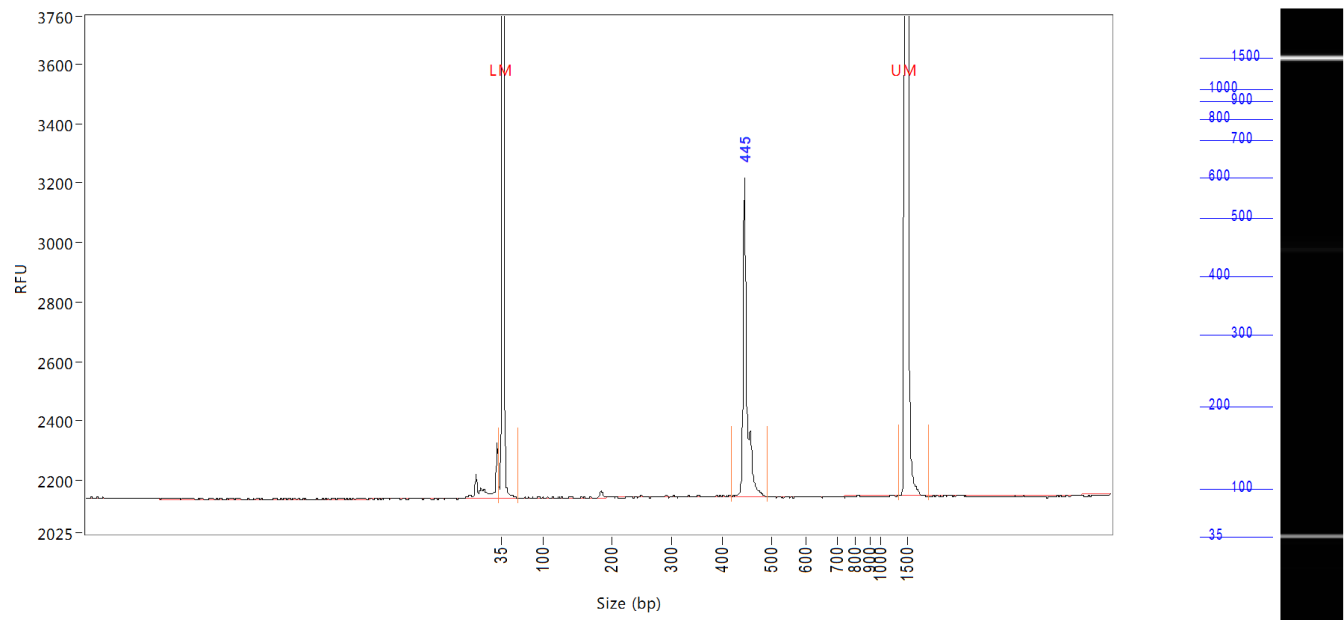
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4139	35	4.52	12387	58.410
2	359	0.0576	358	0.92	109	0.678
3	370	0.1021	370	0.69	271	1.201
4	486	0.1097	483	1.08	214	1.290
5	495	0.1834	494	0.49	525	2.157
6	1500 (UM)	0.5000	1493	1.53	20184	70.562
TIC:		0.4528	ng/uL			
TIM:		1.699	nmole/L			
Total Conc.:		0.8944	ng/uL			

BA15_c.2919-10T>C(2)



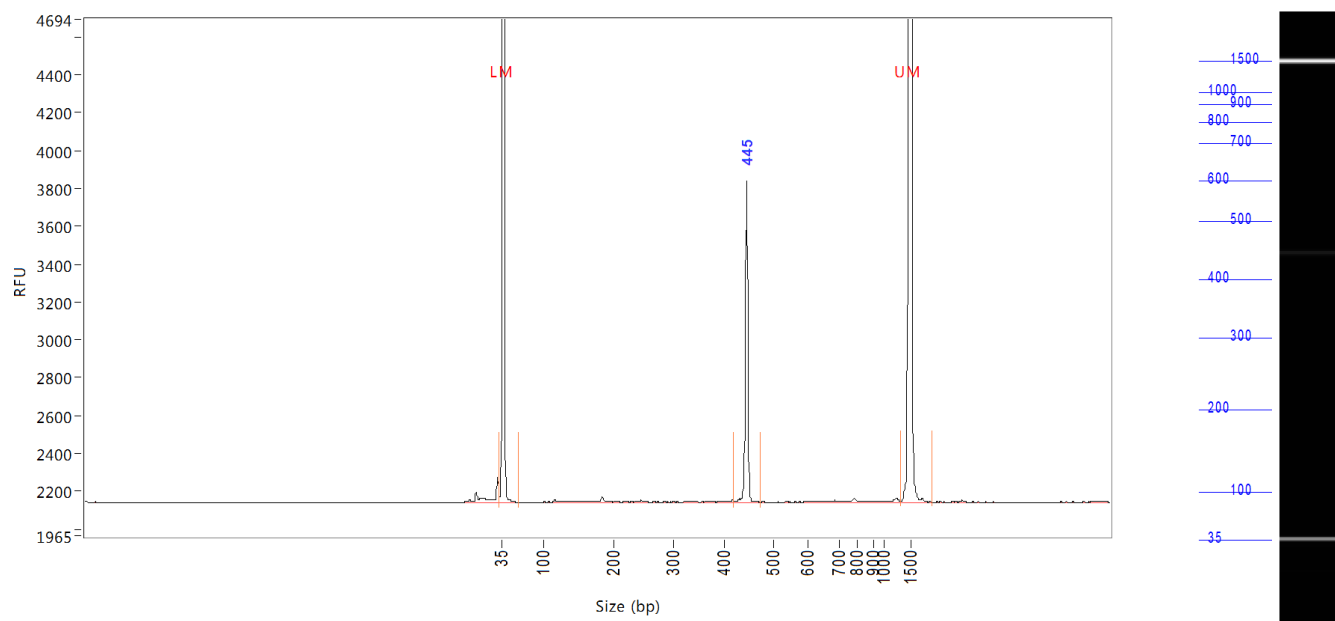
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4100	34	5.64	12335	57.755
2	371	0.1374	370	0.50	404	1.614
3	495	0.2251	494	0.45	678	2.643
4	674	0.0290	672	0.46	95	0.341
5	1500 (UM)	0.5000	1491	1.46	20133	70.440
TIC:		0.3916	ng/uL			
TIM:		1.428	nmole/L			
Total Conc.:		0.5471	ng/uL			

BA16_WT(1)



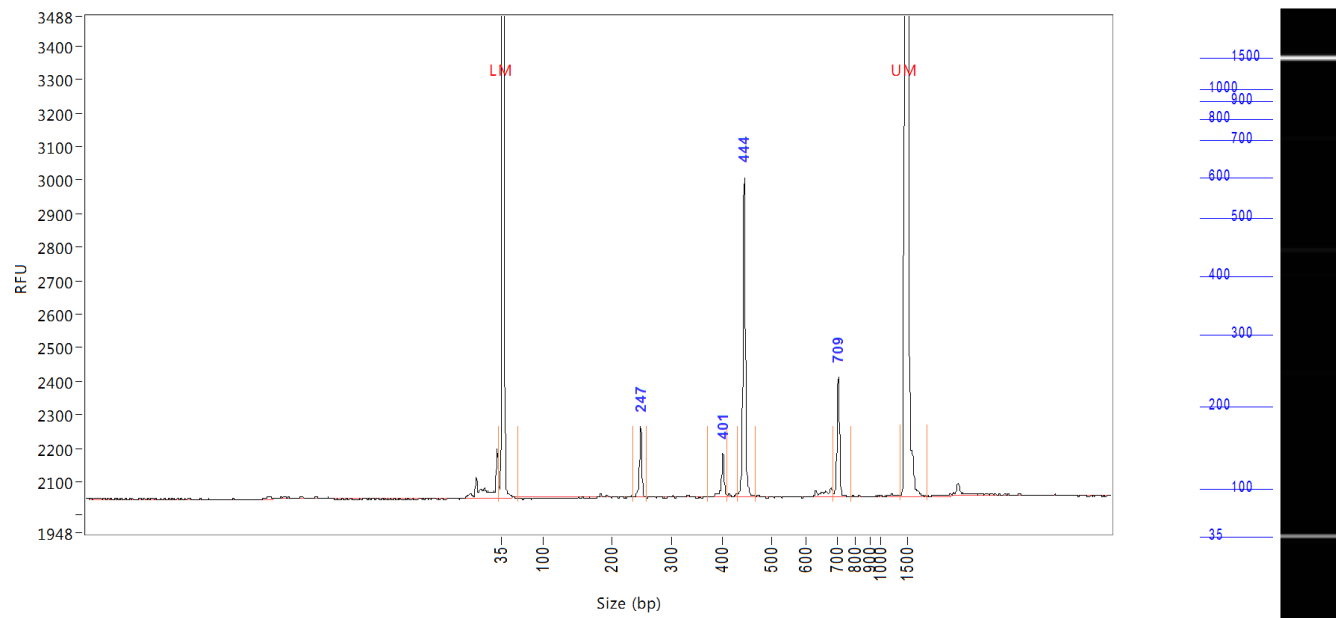
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4192	34	4.45	12149	58.157
2	445	0.6268	448	1.70	1072	7.246
3	1500 (UM)	0.5000	1491	1.63	19387	69.365
TIC:		0.6268	ng/uL			
TIM:		2.317	nmole/L			
Total Conc.:		0.6778	ng/uL			

BA16_WT(2)



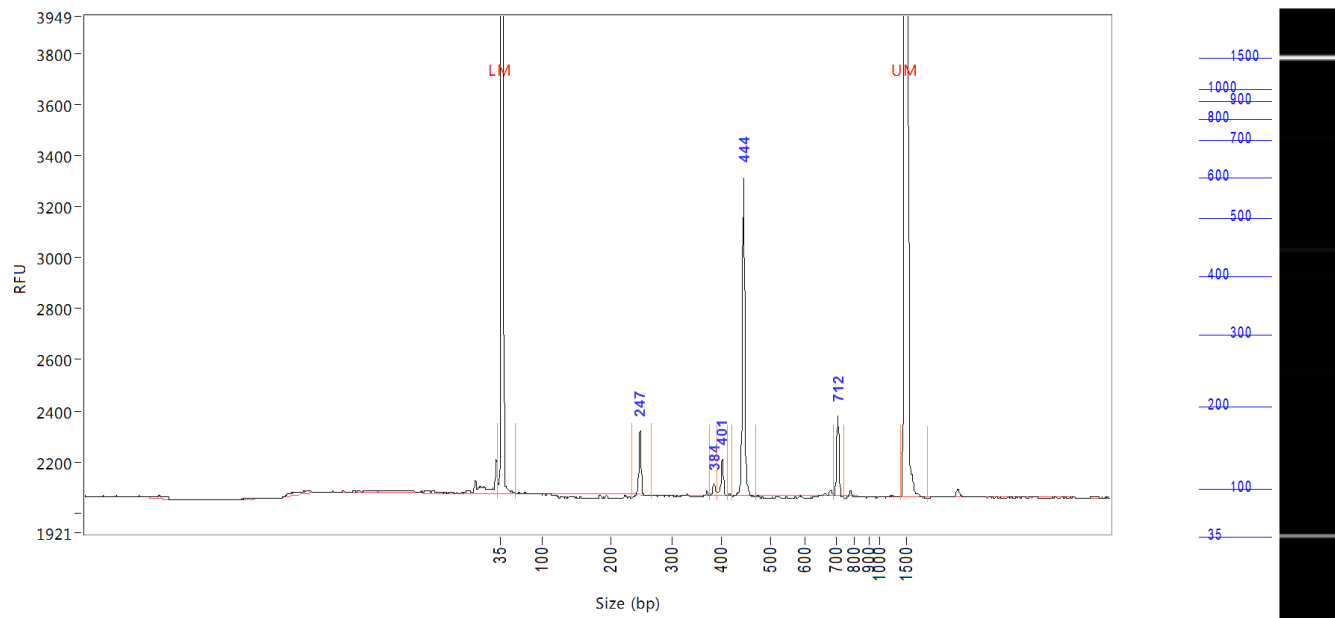
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4267	35	4.45	12179	57.298
2	445	0.6750	444	0.85	1700	7.553
3	1500 (UM)	0.5000	1492	1.65	19434	67.139
TIC:		0.6750	ng/uL			
TIM:		2.495	nmole/L			
Total Conc.:		0.9117	ng/uL			

BA16_c.3522+5del(1)



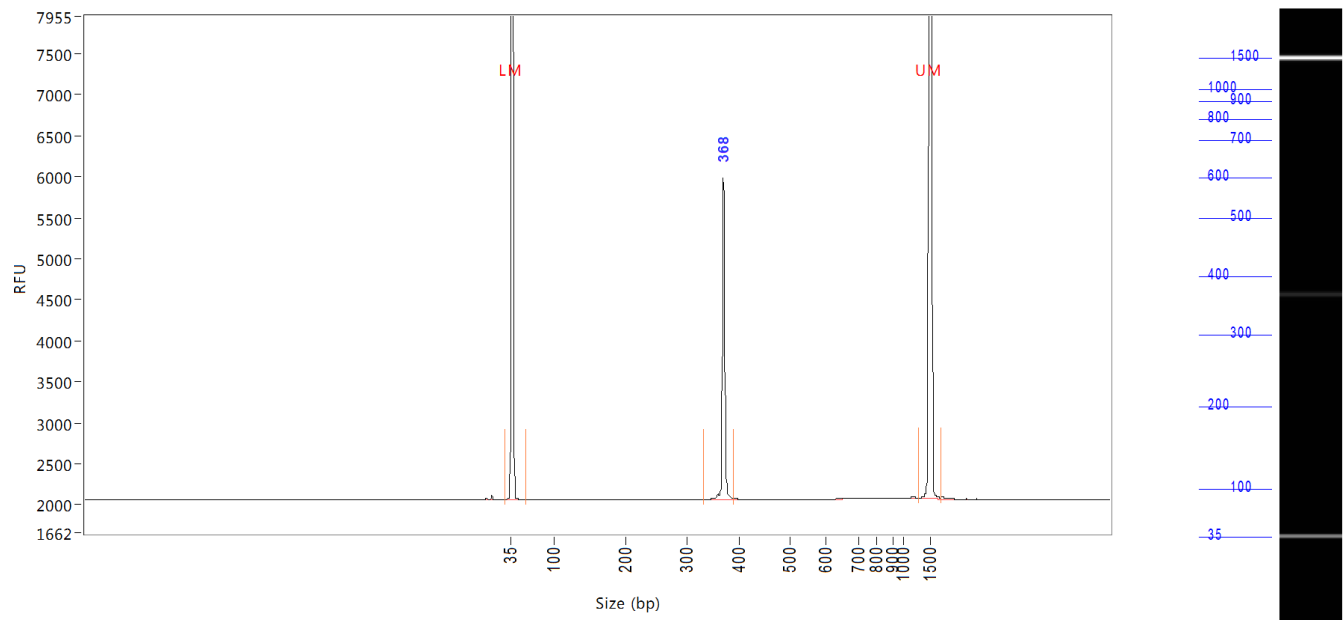
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4059	34	4.21	11144	52.161
2	247	0.0996	246	0.98	210	1.067
3	401	0.0641	398	1.33	130	0.687
4	444	0.4003	444	0.73	952	4.286
5	709	0.1354	708	1.04	357	1.450
6	1500 (UM)	0.5000	1493	1.69	18092	64.256
TIC:		0.6994	ng/uL			
TIM:		2.722	nmole/L			
Total Conc.:		0.7607	ng/uL			

BA16_c.3522+5del(2)



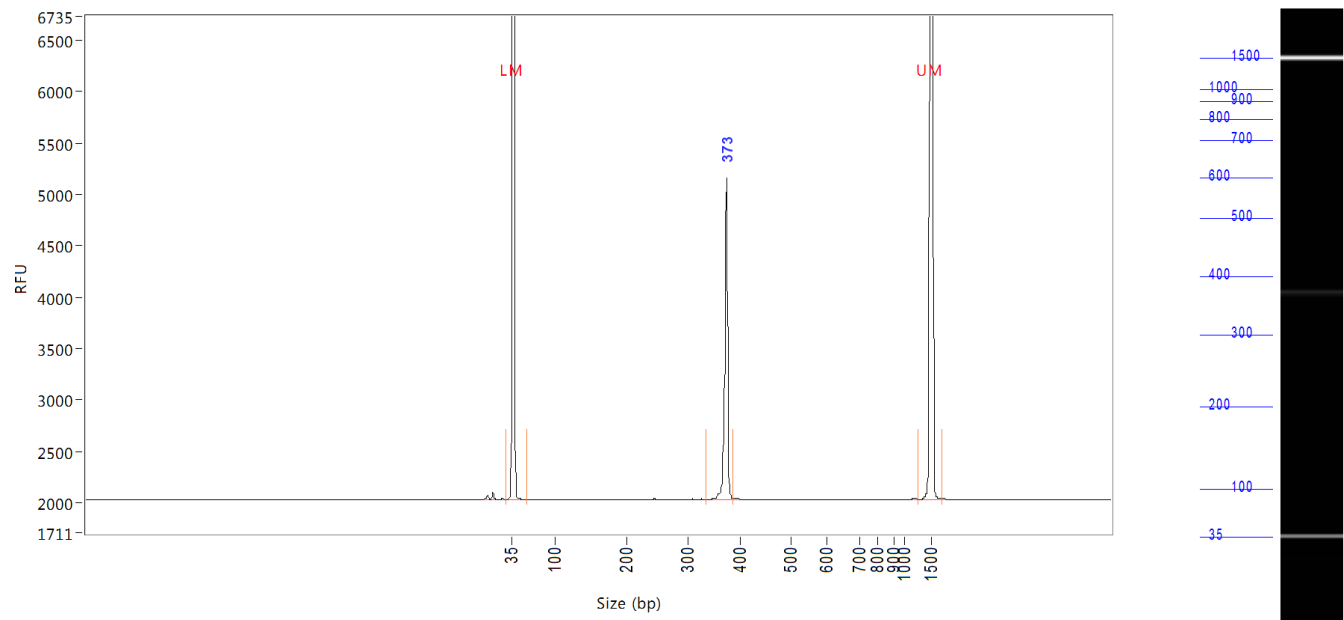
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4077	35	4.53	12642	58.878
2	247	0.0953	246	0.70	250	1.147
3	384	0.0190	384	0.77	44	0.228
4	401	0.0530	400	0.69	142	0.638
5	444	0.4569	444	0.69	1247	5.498
6	712	0.1007	708	0.84	317	1.212
7	1500 (UM)	0.5000	1496	1.55	20343	72.212
	TIC:	0.7249	ng/uL			
	TIM:	2.857	nmole/L			
	Total Conc.:	0.7529	ng/uL			

BA17_WT(1)



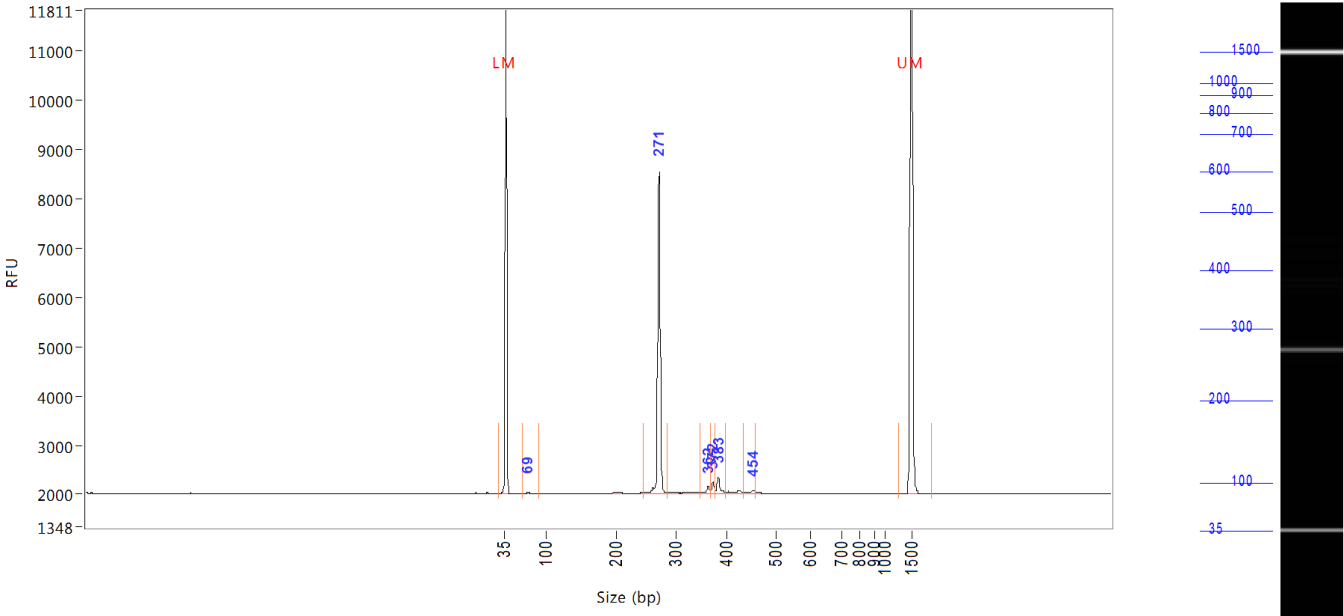
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3886	34	4.44	14169	64.764
2	368	1.2748	368	1.07	3924	17.706
3	1500 (UM)	0.5000	1494	1.48	25419	83.332
TIC:		1.2748	ng/uL			
TIM:		5.696	nmole/L			
Total Conc.:		1.3897	ng/uL			

BA17_WT(2)



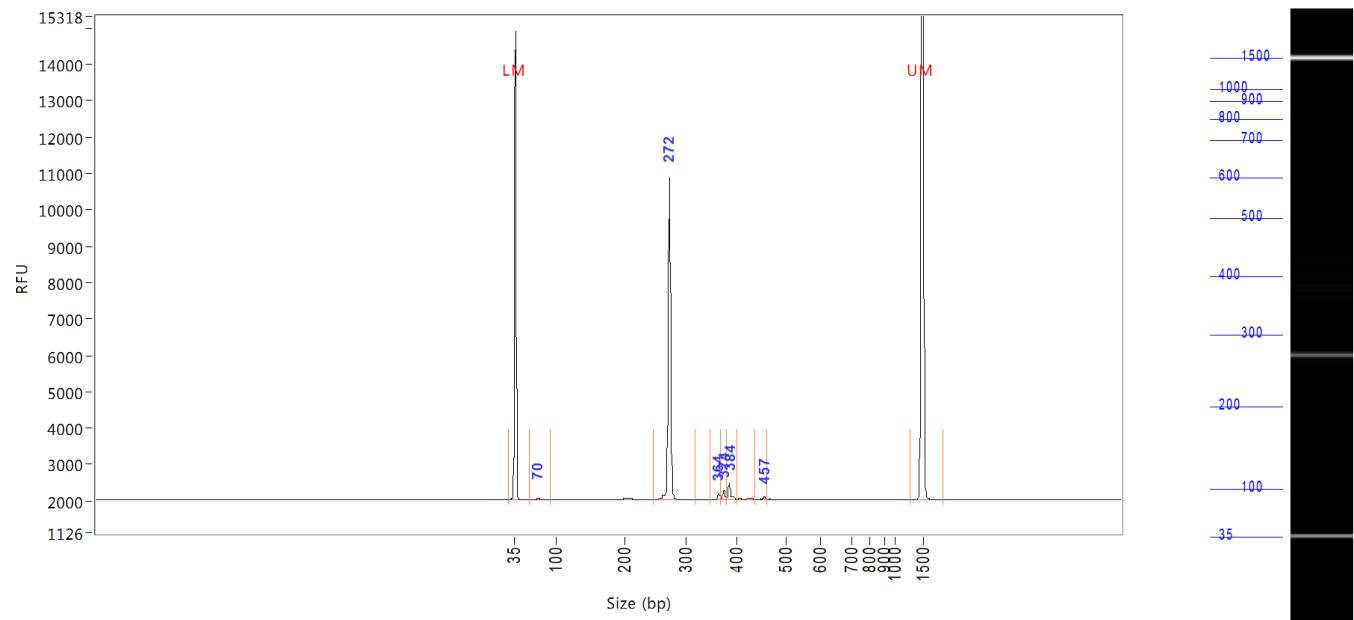
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4087	34	4.37	13133	60.074
2	373	1.3597	370	1.14	3134	16.655
3	1500 (UM)	0.5000	1494	1.49	22036	73.492
TIC:		1.3597	ng/uL			
TIM:		6.003	nmole/L			
Total Conc.:		1.4817	ng/uL			

BA17_c.3607G>A(1)

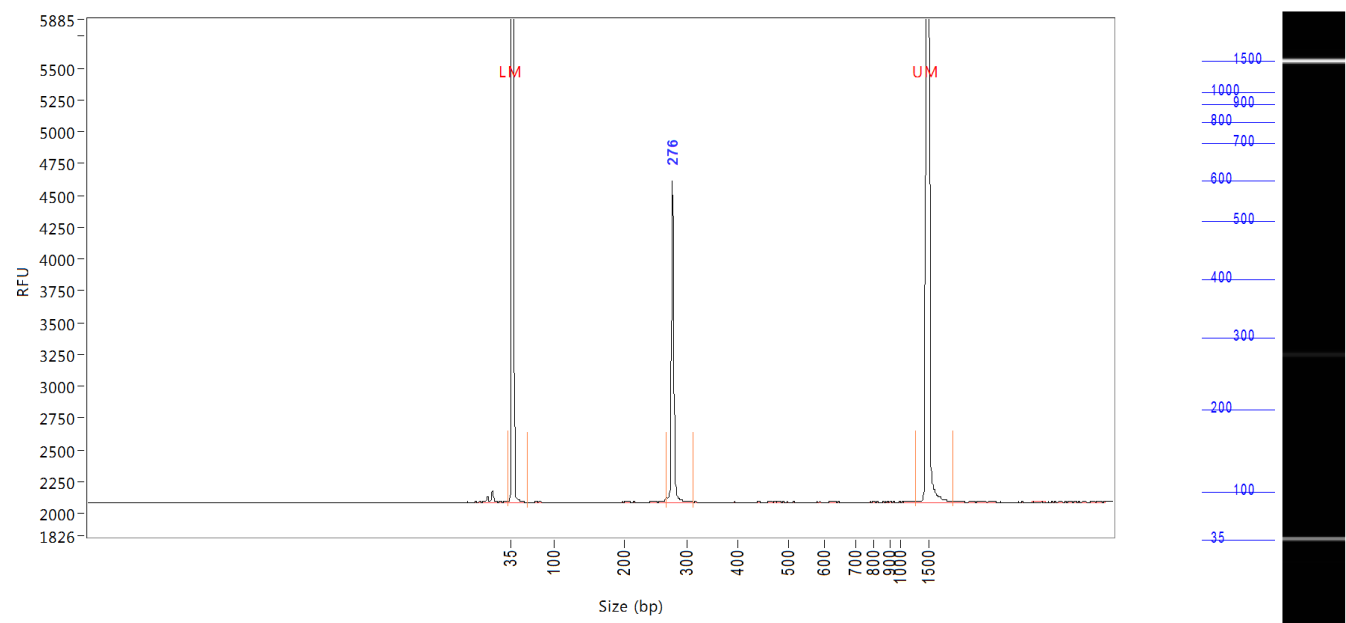


Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4367	34	4.85	10048	47.463
2	69	0.0521	71	5.29	52	0.472
3	271	3.5295	270	1.23	6533	31.967
4	362	0.1284	360	1.33	164	1.163
5	372	0.1369	372	0.65	242	1.240
6	383	0.2389	384	1.21	350	2.164
7	454	0.0787	449	1.40	76	0.713
8	1500 (UM)	0.5000	1492	1.56	15372	54.342
TIC:		4.1646	ng/uL			
TIM:		25.145	nmole/L			
Total Conc.:		4.7472	ng/uL			

BA17_c.3607G>A(2)

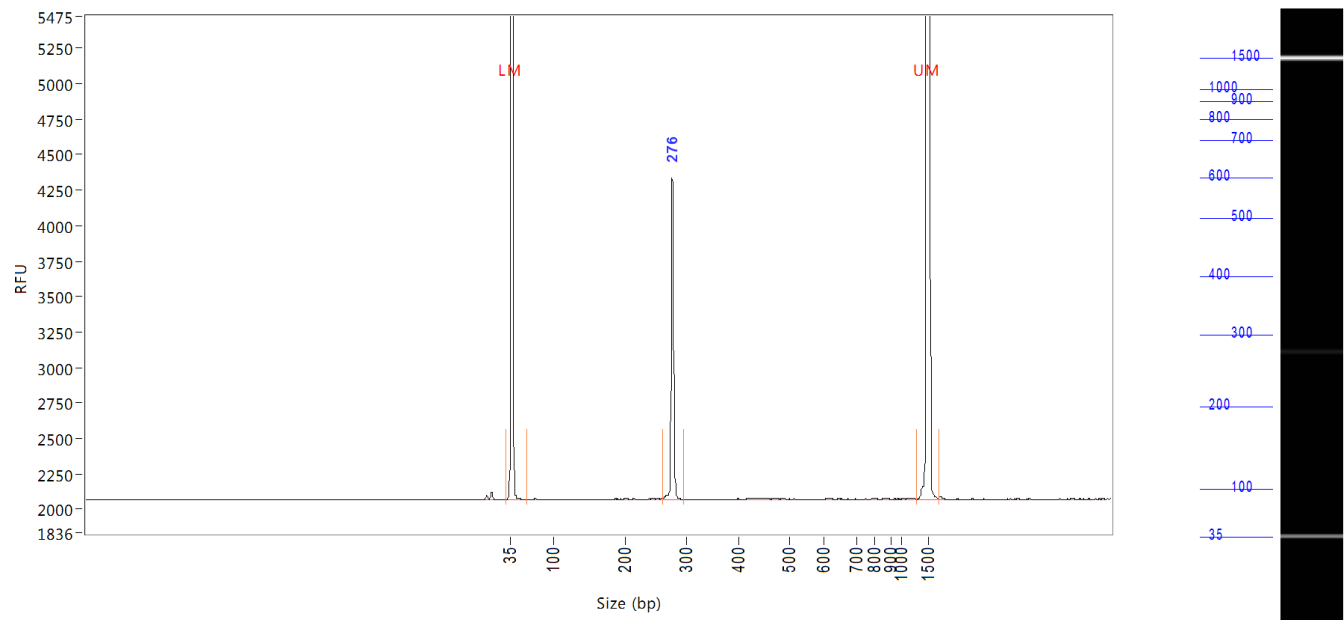


BA17_c.3607+3A>T(1)



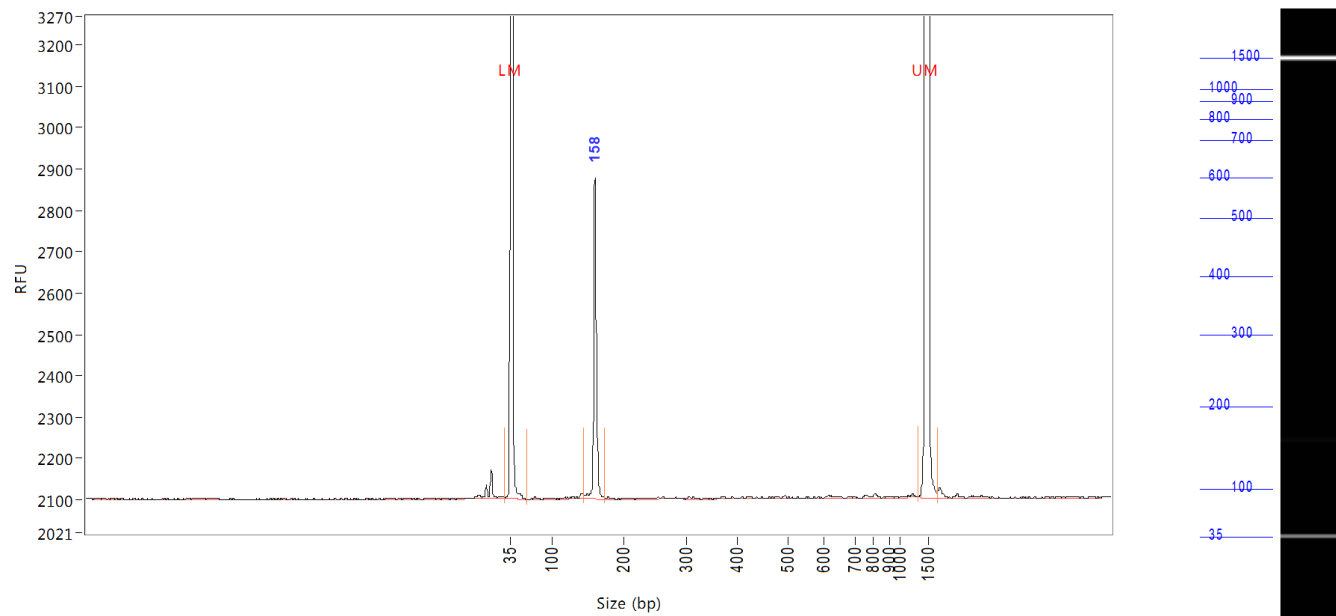
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4160	35	4.50	14655	68.359
2	276	0.9139	277	1.32	2528	12.516
3	1500 (UM)	0.5000	1494	1.99	25003	82.165
TIC:		0.9139	ng/uL			
TIM:		5.446	nmole/L			
Total Conc.:		1.0487	ng/uL			

BA17_c.3607+3A>T(2)



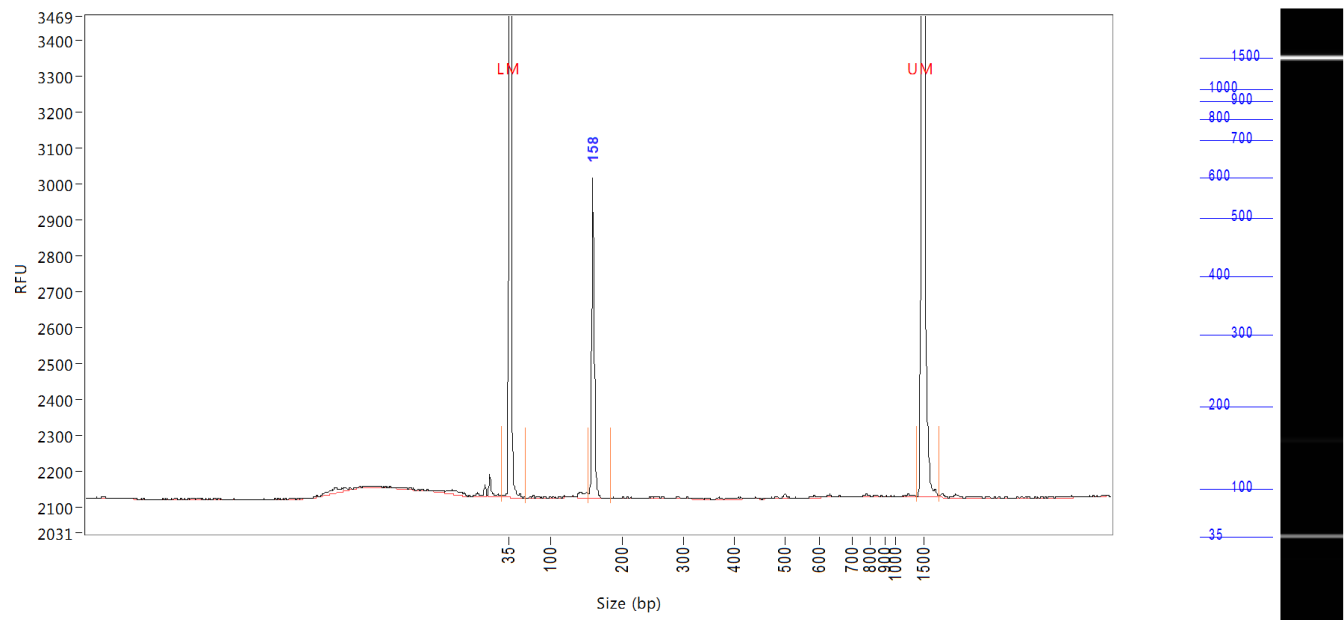
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4053	34	4.52	12497	57.608
2	276	0.9178	276	0.92	2269	10.870
3	1500 (UM)	0.5000	1491	1.53	21393	71.061
TIC:		0.9178	ng/uL			
TIM:		5.469	nmole/L			
Total Conc.:		1.0666	ng/uL			

BA17_c.3812A>G(1)



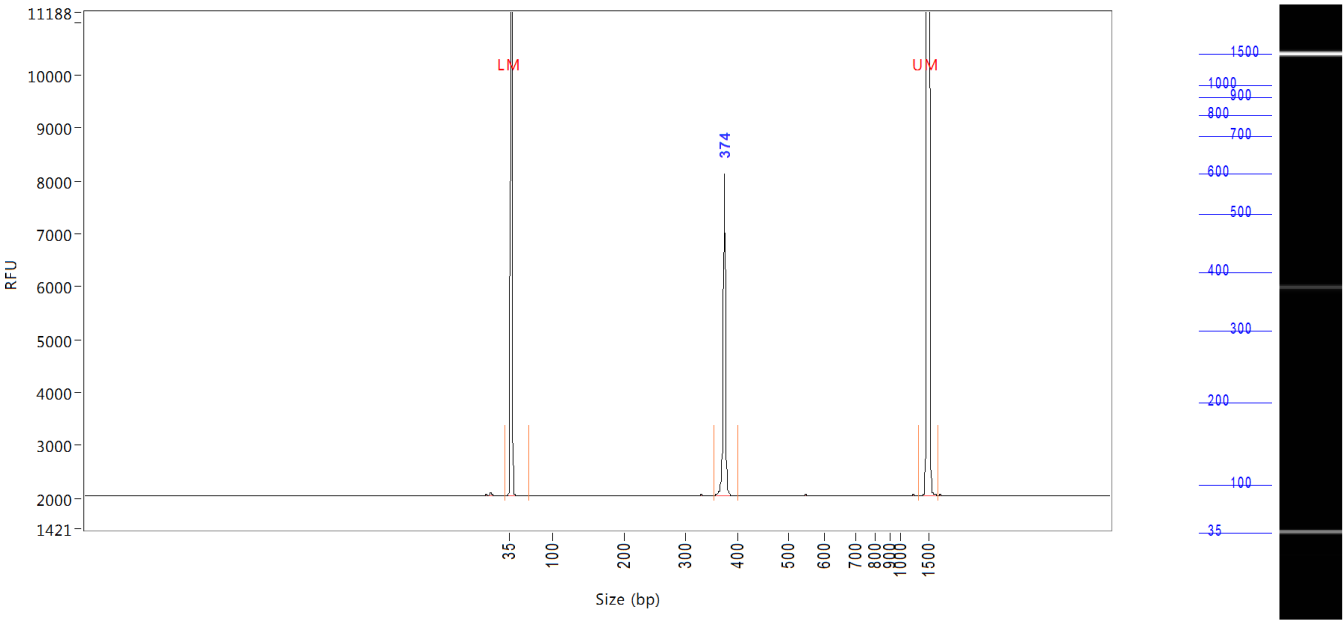
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3900	34	4.47	13401	61.304
2	158	0.3615	158	1.80	777	4.735
3	1500 (UM)	0.5000	1492	1.41	24217	78.589
TIC:		0.3615	ng/uL			
TIM:		3.754	nmole/L			
Total Conc.:		0.4692	ng/uL			

BA17_c.3812A>G(2)



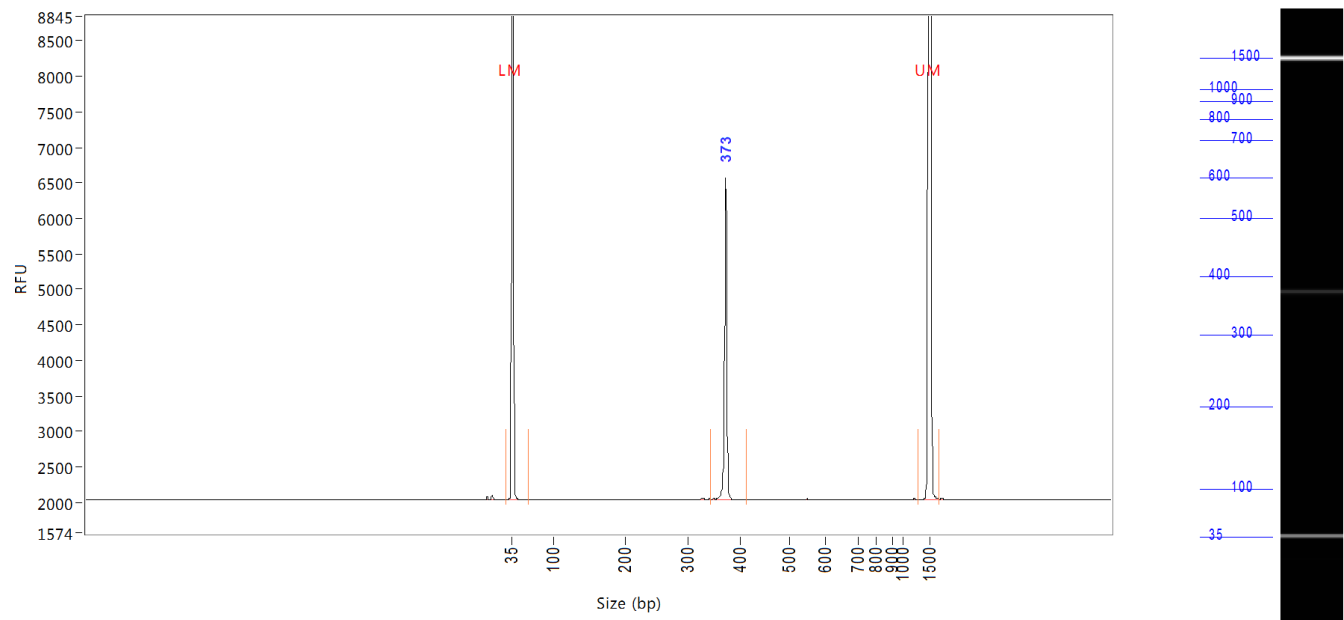
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4009	34	4.71	12096	56.495
2	158	0.4437	158	1.51	892	5.211
3	1500 (UM)	0.5000	1496	1.60	21236	70.455
TIC:		0.4437	ng/uL			
TIM:		4.624	nmole/L			
Total Conc.:		0.5865	ng/uL			

BA18_WT(1)



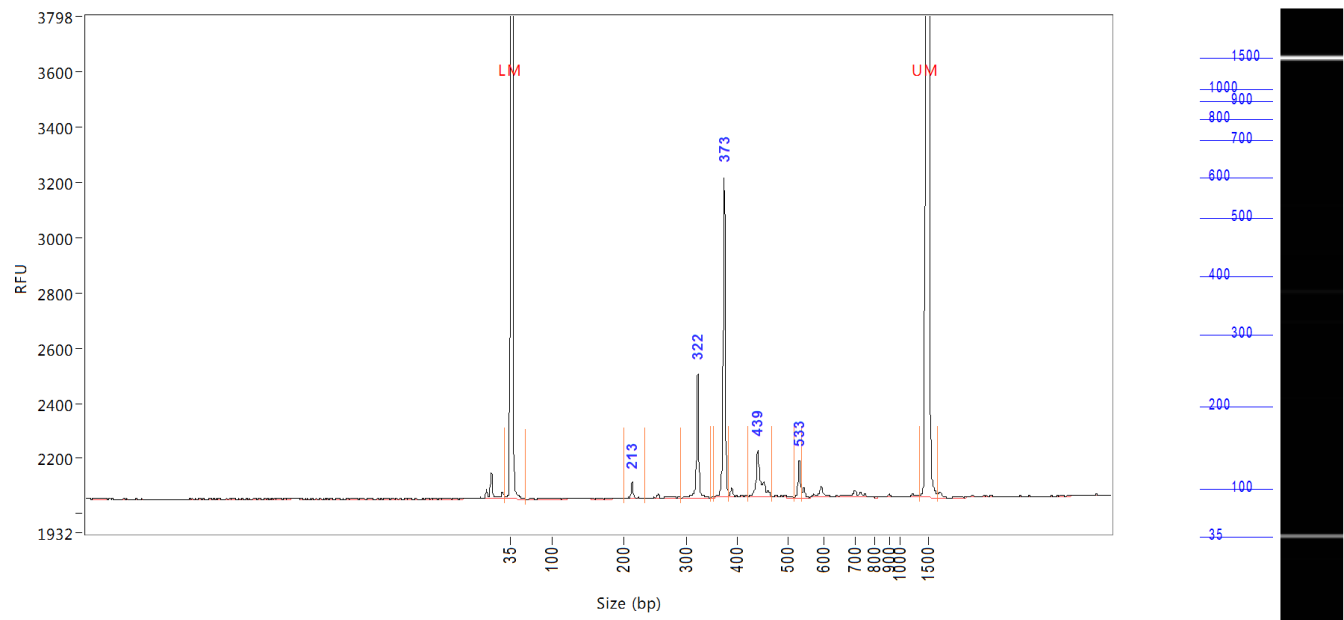
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4000	35	4.43	13932	65.070
2	374	1.8851	373	0.83	6093	25.556
3	1500 (UM)	0.5000	1496	1.41	24577	81.344
TIC:		1.8851	ng/uL			
TIM:		8.289	nmole/L			
Total Conc.:		2.0037	ng/uL			

BA18_WT(2)



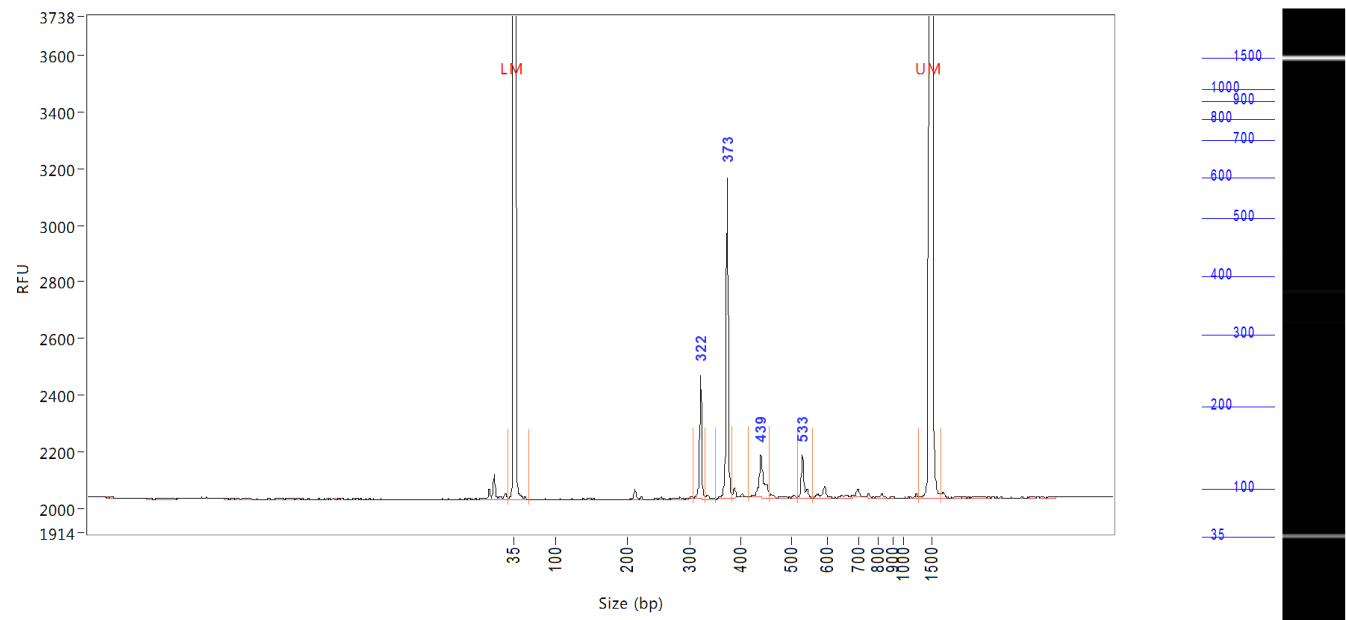
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4122	35	4.43	13477	62.001
2	373	1.5302	372	1.01	4538	19.181
3	1500 (UM)	0.5000	1489	1.42	23000	75.212
TIC:		1.5302	ng/uL			
TIM:		6.742	nmole/L			
Total Conc.:		1.6597	ng/uL			

BA18_c.3862+3A>G(1)



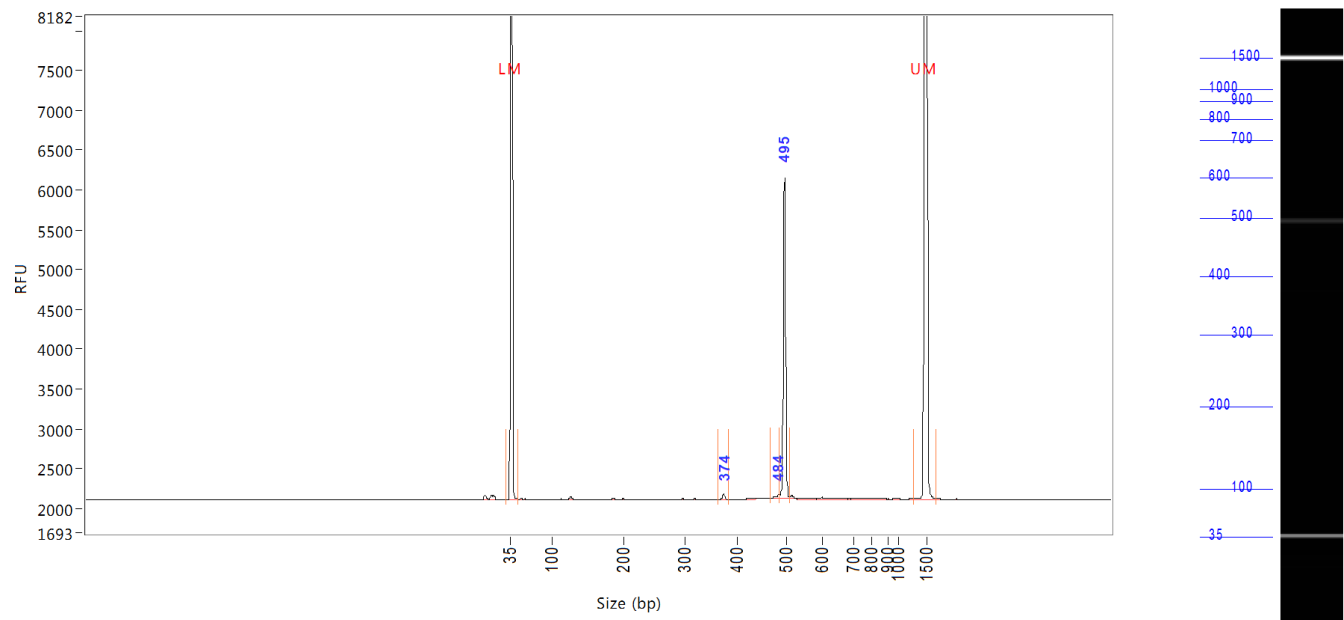
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3949	34	4.34	15117	68.746
2	213	0.0219	213	2.32	60	0.318
3	322	0.1370	321	1.66	449	1.987
4	373	0.3185	372	0.74	1154	4.621
5	439	0.0972	443	1.84	168	1.411
6	533	0.0353	531	0.67	134	0.512
7	1500 (UM)	0.5000	1492	1.39	26912	87.050
TIC:		0.6098	ng/uL			
TIM:		2.745	nmole/L			
Total Conc.:		0.7434	ng/uL			

BA18_c.3862+3A>G(2)



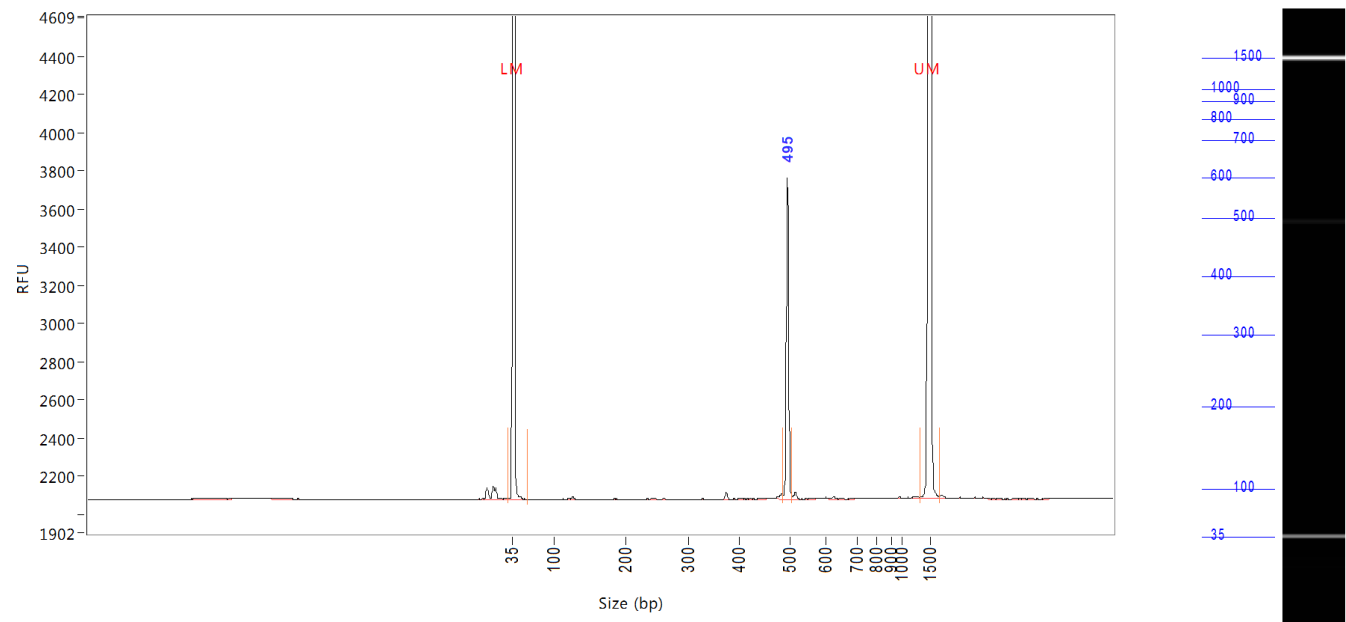
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4002	35	4.47	15234	69.446
2	322	0.1227	321	0.86	439	1.775
3	373	0.3118	372	0.79	1132	4.510
4	439	0.0879	440	1.60	148	1.270
5	533	0.0493	534	1.21	151	0.713
6	1500 (UM)	0.5000	1491	1.40	26726	86.765
TIC:		0.5717	ng/uL			
TIM:		2.486	nmole/L			
Total Conc.:		0.7248	ng/uL			

BA19_WT(1)



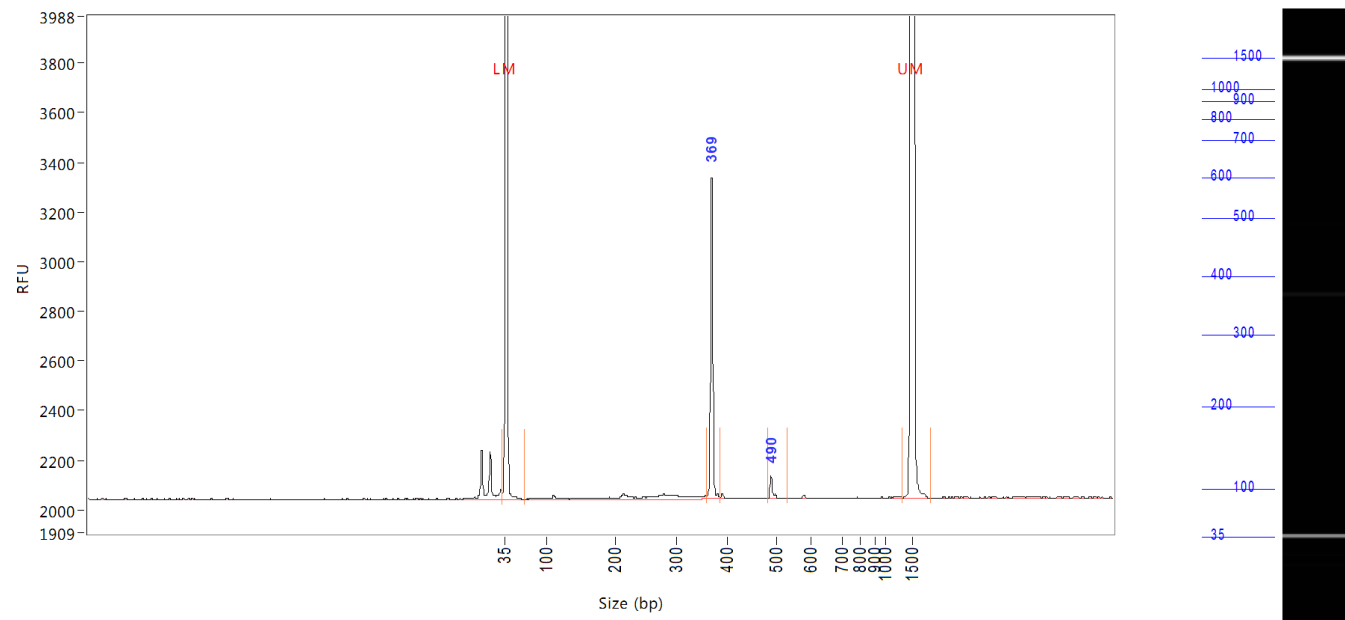
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3940	35	4.10	13552	63.359
2	374	0.0250	373	0.75	73	0.334
3	484	0.0313	481	0.96	67	0.419
4	495	1.1671	495	0.47	4037	15.640
5	1500 (UM)	0.5000	1495	1.41	24533	80.404
TIC:		1.2233	ng/uL			
TIM:		4.092	nmole/L			
Total Conc.:		1.4266	ng/uL			

BA19_WT(2)



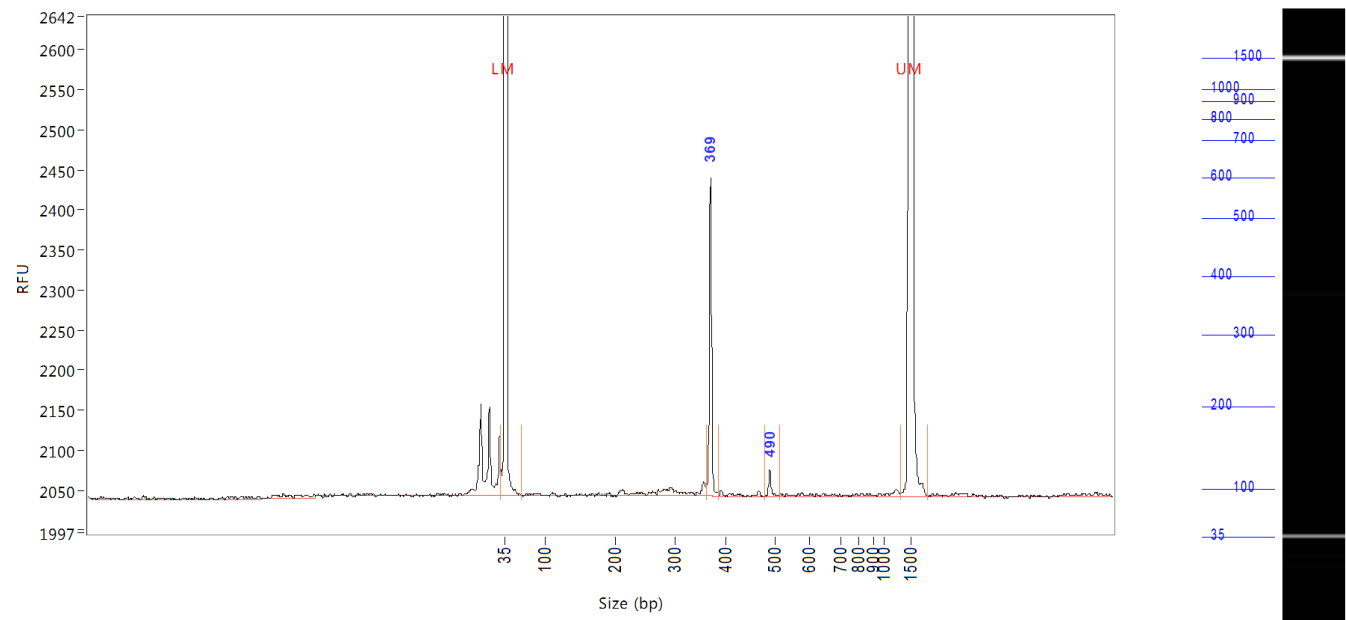
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4085	34	4.31	13642	62.711
2	495	0.5172	494	0.48	1685	6.617
3	1500 (UM)	0.5000	1493	1.41	23482	76.763
TIC:		0.5172	ng/uL			
TIM:		1.720	nmole/L			
Total Conc.:		0.6785	ng/uL			

BA19_c.4253+4C>T(1)



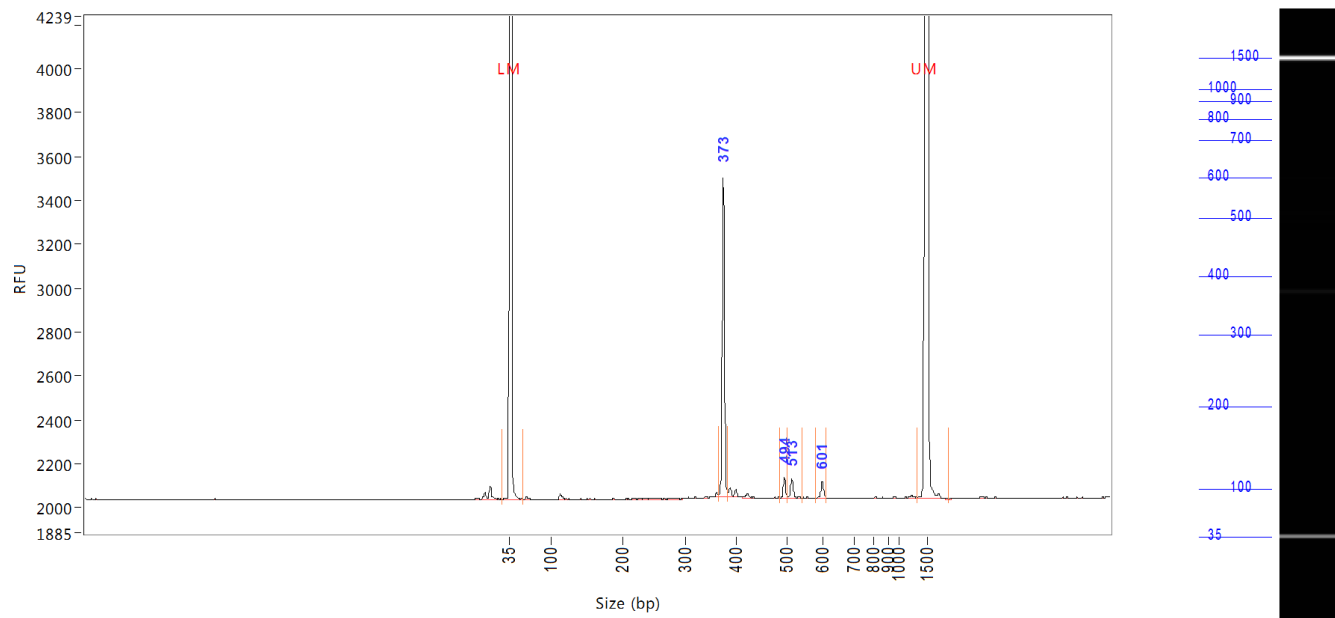
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4308	35	4.66	13195	62.473
2	369	0.4678	368	0.74	1294	5.654
3	490	0.0394	492	1.57	93	0.476
4	1500 (UM)	0.5000	1492	1.63	20388	72.507
TIC:		0.5072	ng/uL			
TIM:		2.218	nmole/L			
Total Conc.:		0.7726	ng/uL			

BA19_c.4253+4C>T(2)



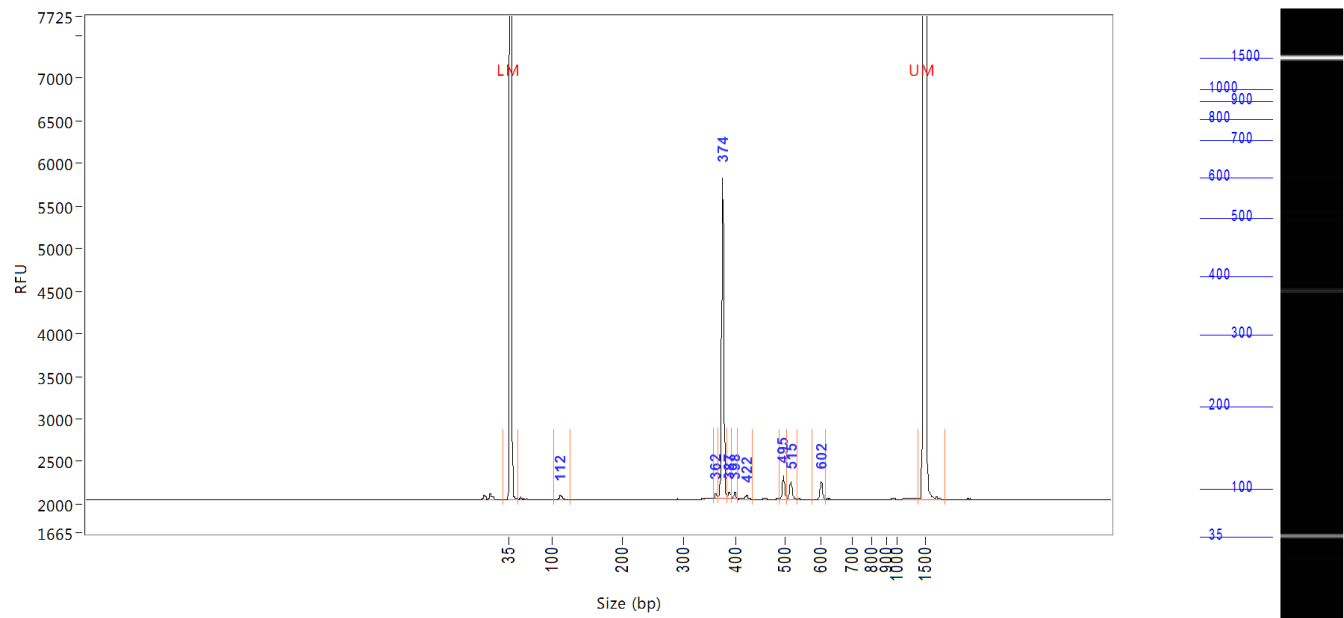
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4415	34	4.62	10975	51.735
2	369	0.1767	369	0.75	398	1.726
3	490	0.0150	492	1.28	32	0.146
4	1500 (UM)	0.5000	1495	1.63	16294	58.587
TIC:		0.1917	ng/uL			
TIM:		0.838	nmole/L			
Total Conc.:		0.3388	ng/uL			

BA19_c.4253+5G>T(1)



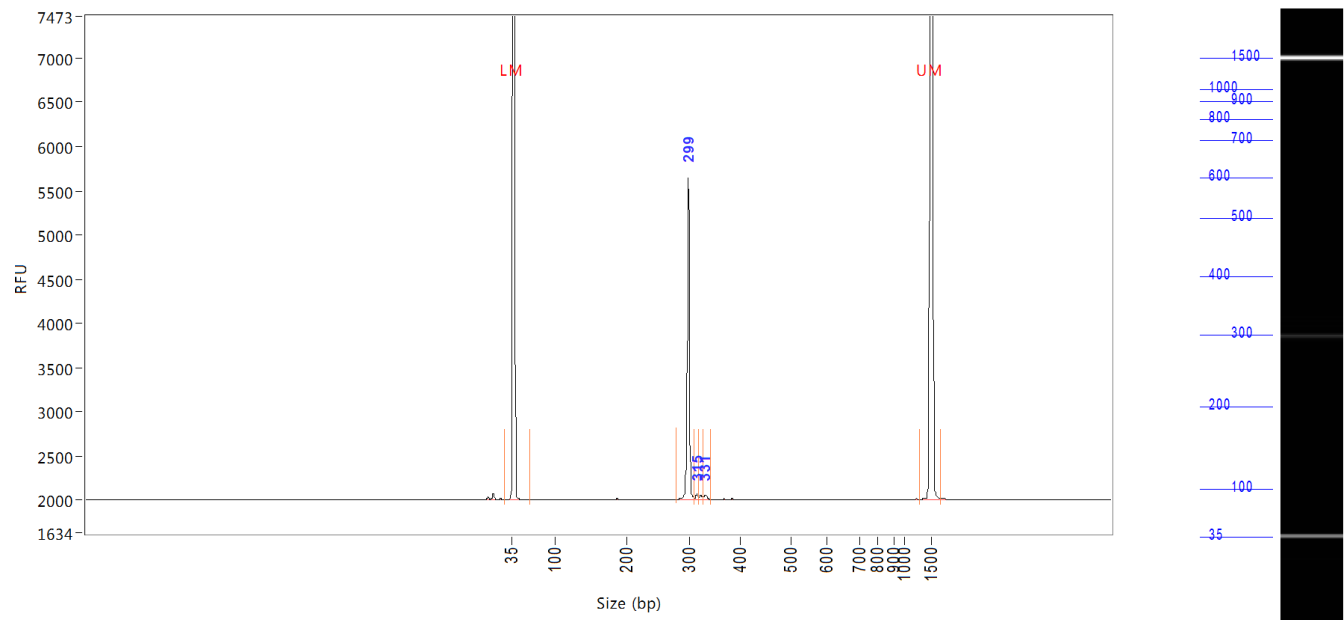
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3986	34	4.37	13980	65.239
2	373	0.4523	373	0.61	1456	6.170
3	494	0.0291	494	0.49	98	0.397
4	513	0.0338	514	1.34	89	0.460
5	601	0.0264	599	0.85	78	0.360
6	1500 (UM)	0.5000	1492	1.55	25124	81.840
TIC:		0.5416	ng/uL			
TIM:		2.270	nmole/L			
Total Conc.:		0.7004	ng/uL			

BA19_c.4253+5G>T(2)



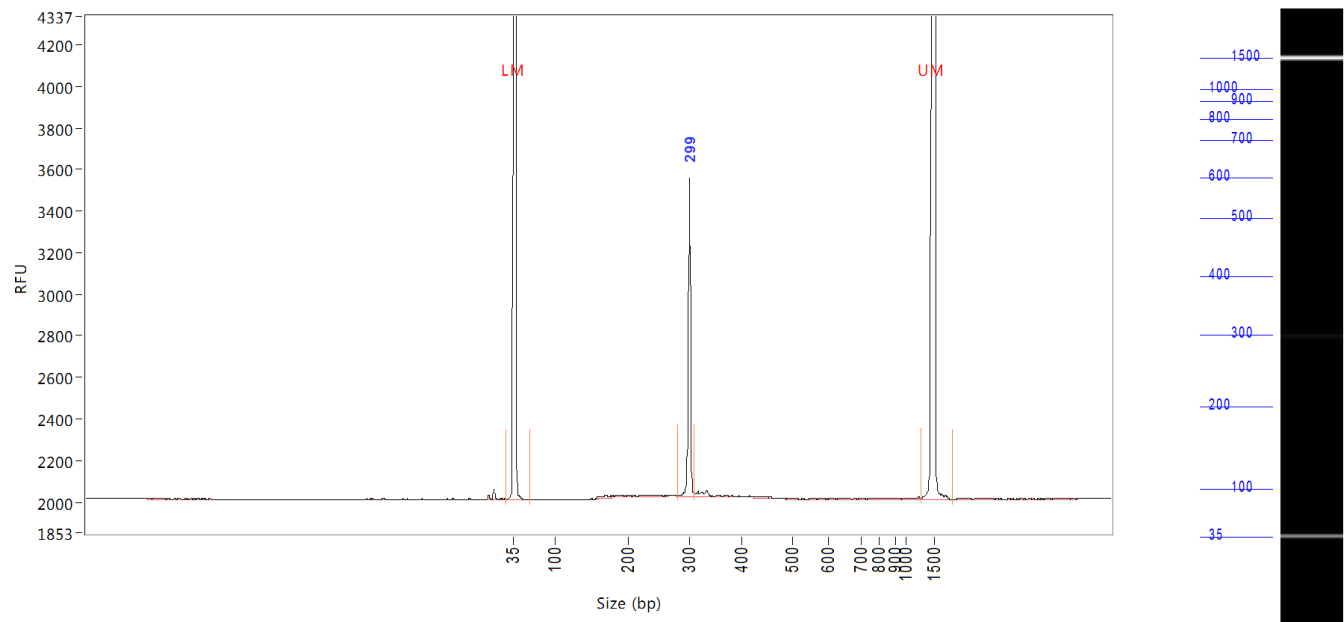
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4031	35	4.14	14080	64.214
2	112	0.0337	113	2.94	63	0.447
3	362	0.0191	361	0.58	63	0.254
4	374	1.1707	374	0.59	3767	15.543
5	387	0.0254	387	0.55	78	0.338
6	398	0.0242	397	0.52	78	0.321
7	422	0.0222	421	1.05	51	0.294
8	495	0.0811	495	0.53	270	1.077
9	515	0.0746	515	0.86	202	0.990
10	602	0.0653	601	0.71	205	0.866
11	1500 (UM)	0.5000	1496	1.54	24276	79.657
TIC:		1.5162	ng/uL			
TIM:		6.711	nmole/L			
Total Conc.:		1.6346	ng/uL			

BA20_WT(1)



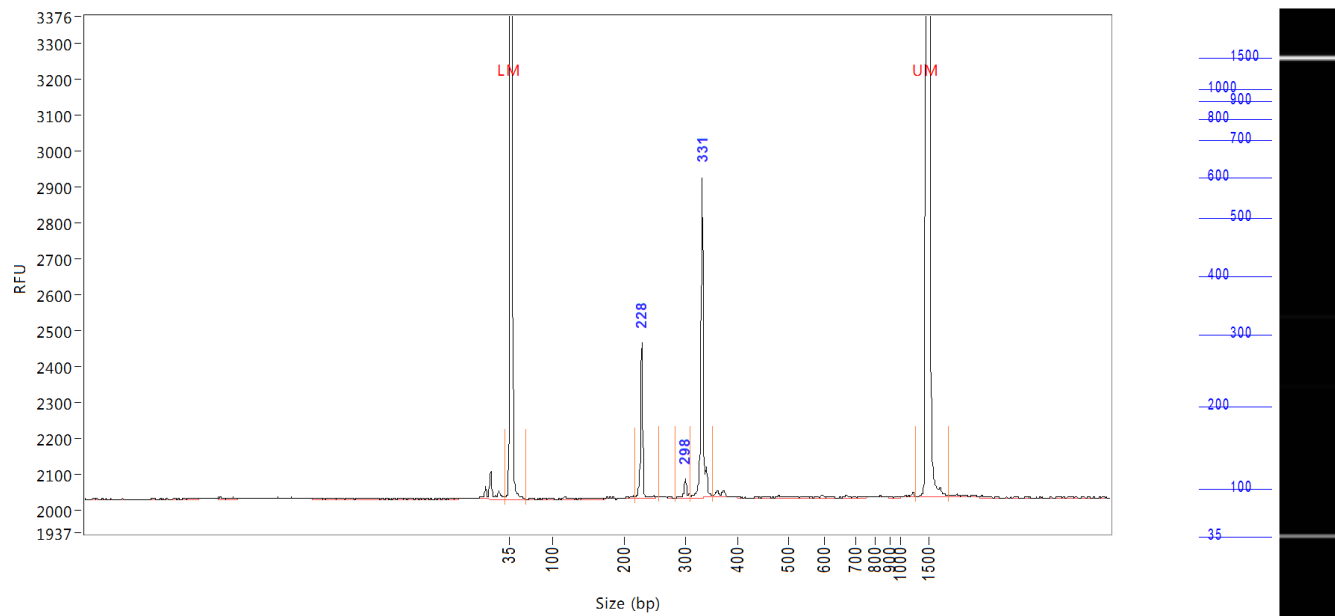
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3948	35	4.52	11736	53.539
2	299	1.3359	298	0.75	3638	15.098
3	315	0.0265	314	0.74	59	0.299
4	331	0.0284	331	0.71	57	0.321
5	1500 (UM)	0.5000	1495	1.41	20869	67.808
TIC:		1.3908	ng/uL			
TIM:		7.634	nmole/L			
Total Conc.:		1.5239	ng/uL			

BA20_WT(2)

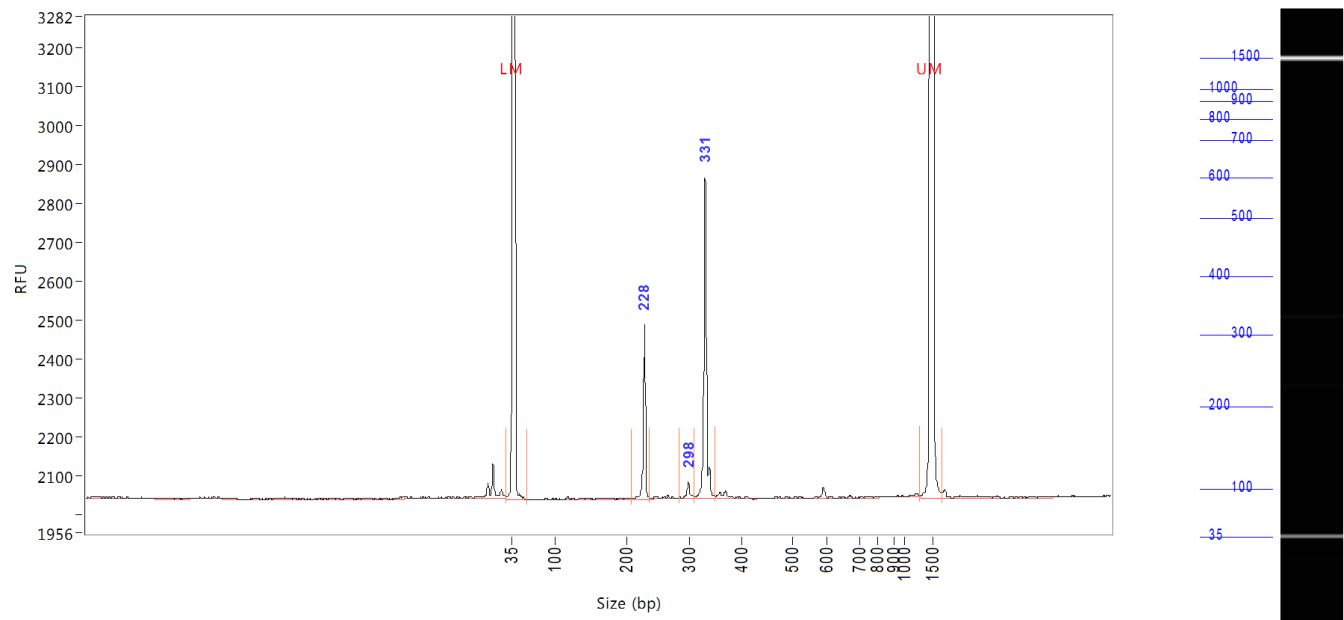


Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4113	34	4.41	12715	57.857
2	299	0.5584	298	0.86	1532	6.545
3	1500 (UM)	0.5000	1493	1.56	21848	70.326
TIC:		0.5584	ng/uL			
TIM:		3.075	nmole/L			
Total Conc.:		0.7371	ng/uL			

BA20_c.4538A>C(1)

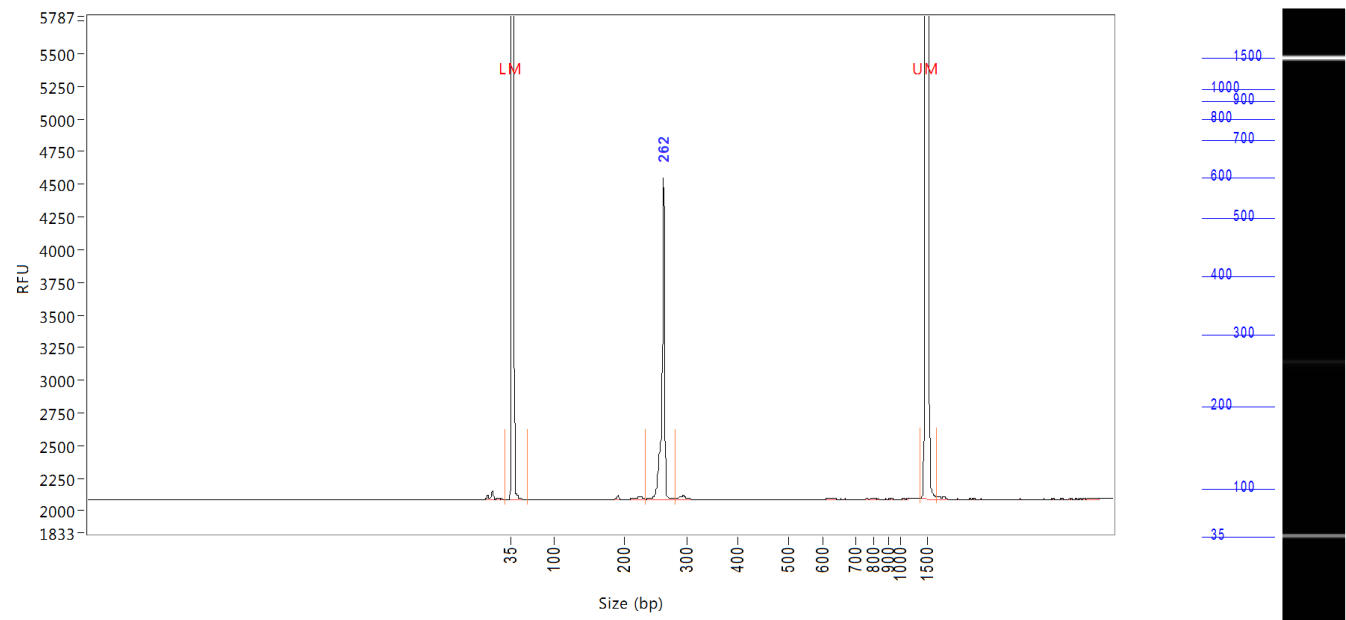


Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4200	34	4.65	13681	63.201
2	228	0.1589	228	1.55	432	1.993
3	298	0.0240	298	1.43	54	0.300
4	331	0.3373	330	1.32	892	4.229
5	1500 (UM)	0.5000	1491	1.66	22837	75.236
TIC:		0.5201	ng/uL			
TIM:		2.957	nmole/L			
Total Conc.:		0.6352	ng/uL			



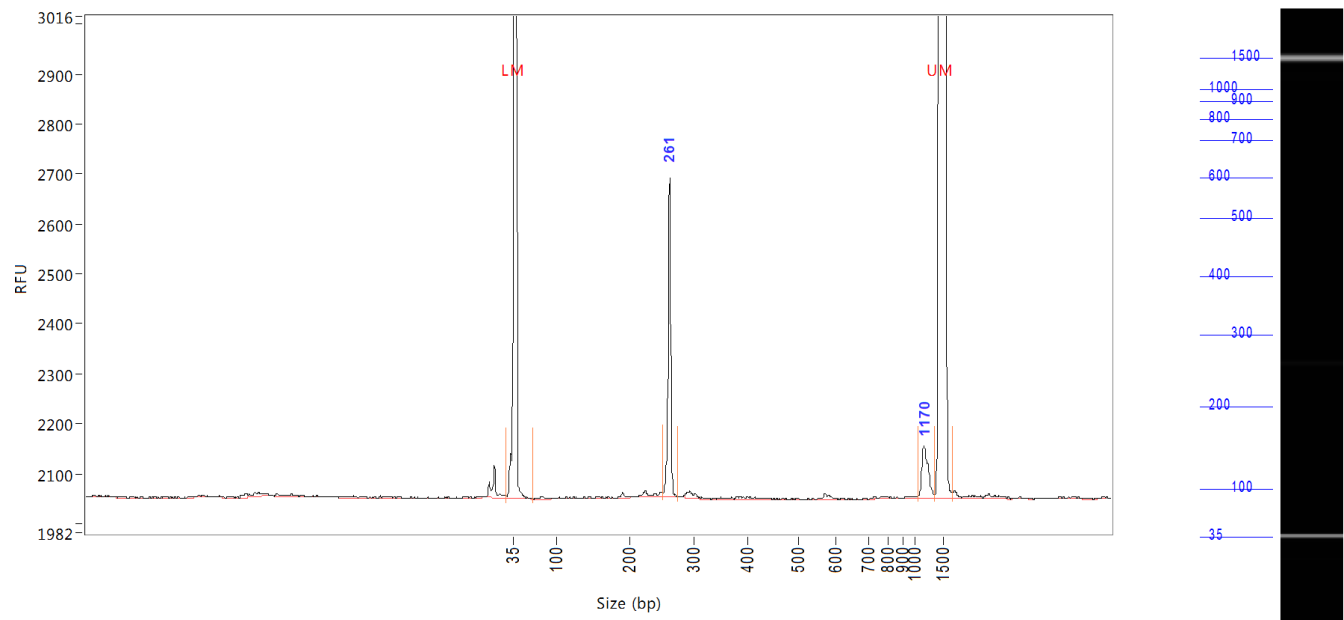
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4177	34	4.33	13407	62.020
2	228	0.1661	227	1.37	448	2.056
3	298	0.0202	298	1.42	42	0.250
4	331	0.3127	330	1.17	822	3.869
5	1500 (UM)	0.5000	1488	1.45	22687	74.246
TIC:		0.4991	ng/uL			
TIM:		2.866	nmole/L			
Total Conc.:		0.6096	ng/uL			

BA21_WT(1)



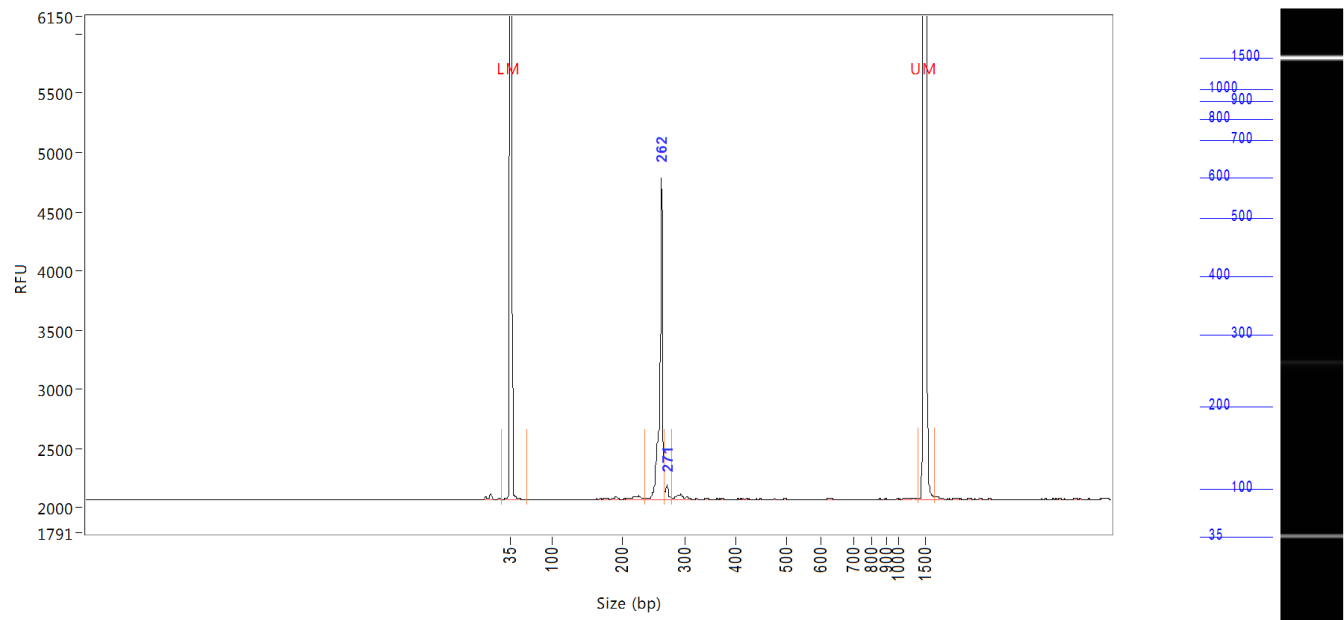
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3935	35	4.50	15207	70.798
2	262	0.8744	260	1.63	2466	13.111
3	1500 (UM)	0.5000	1492	1.39	27831	89.962
TIC:		0.8744	ng/uL			
TIM:		5.479	nmole/L			
Total Conc.:		1.0166	ng/uL			

BA21_WT(2)



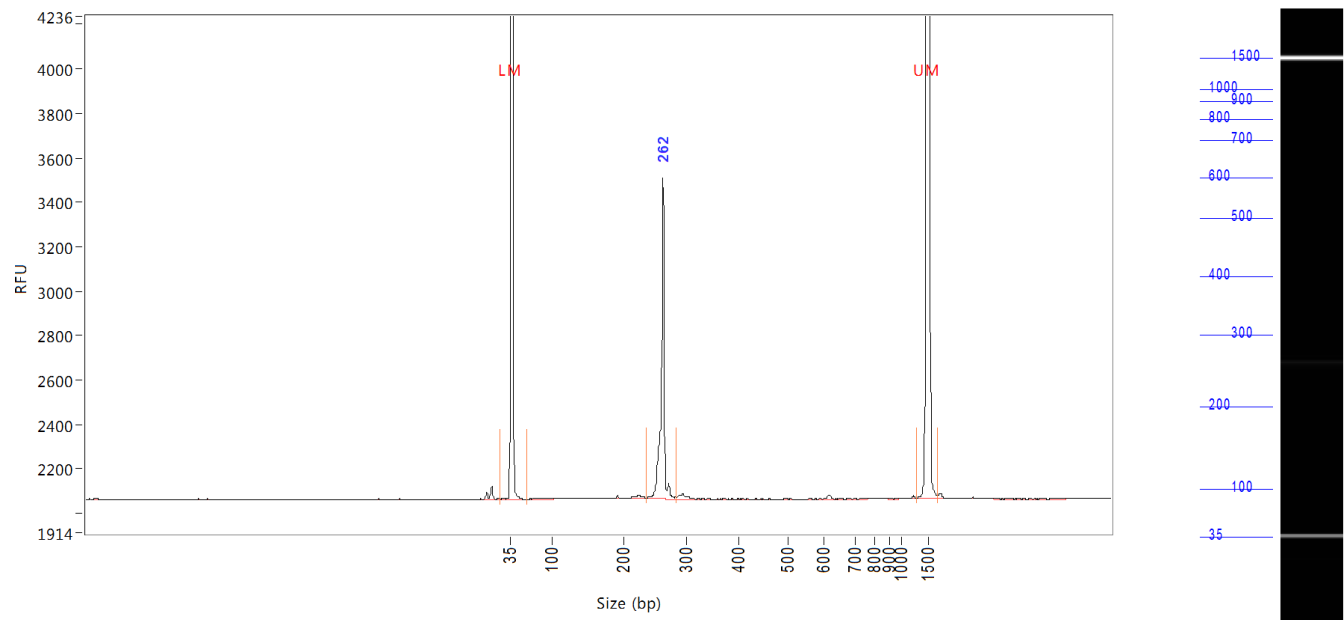
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4271	35	4.73	13152	61.901
2	261	0.2788	260	0.92	639	3.368
3	1170	0.0759	1194	4.68	104	0.917
4	1500 (UM)	0.5000	1491	2.04	15035	72.470
TIC:		0.3547	ng/uL			
TIM:		1.866	nmole/L			
Total Conc.:		0.4872	ng/uL			

BA21_c.4634G>A(1)



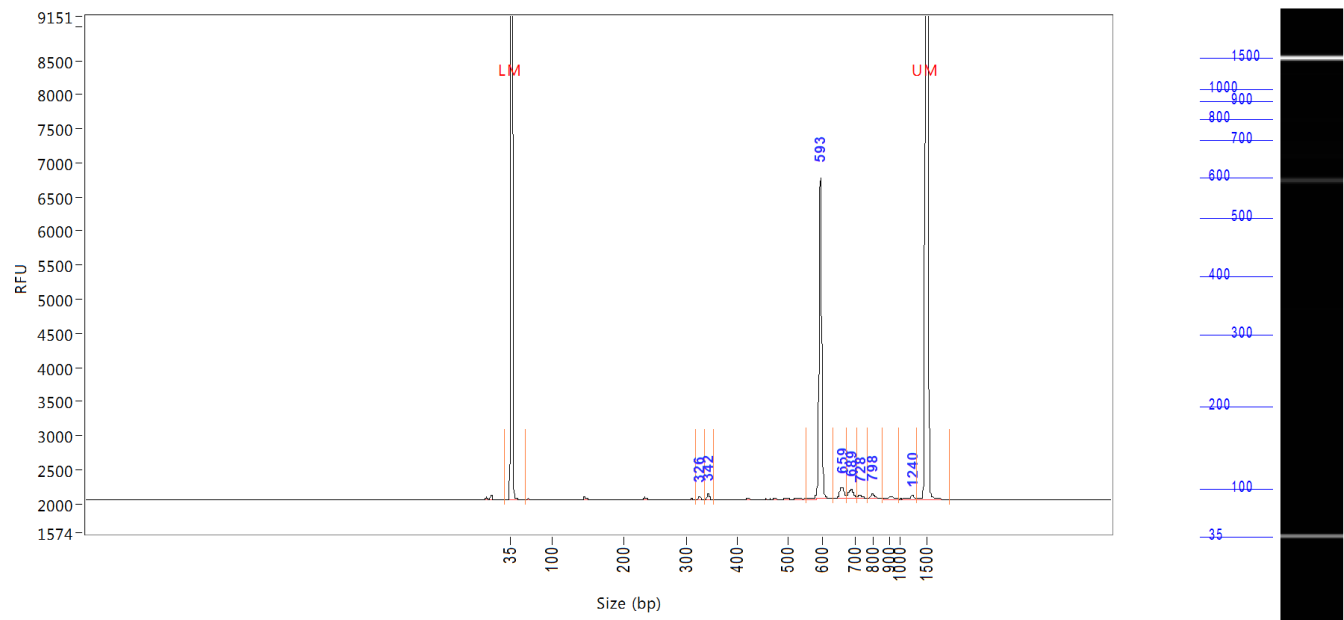
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3880	34	4.52	14310	65.416
2	262	1.0843	259	1.54	2716	15.235
3	271	0.0480	271	1.07	124	0.675
4	1500 (UM)	0.5000	1494	1.40	25865	84.304
TIC:		1.1323	ng/uL			
TIM:		7.101	nmole/L			
Total Conc.:		1.3133	ng/uL			

BA21_c.4634G>A(2)



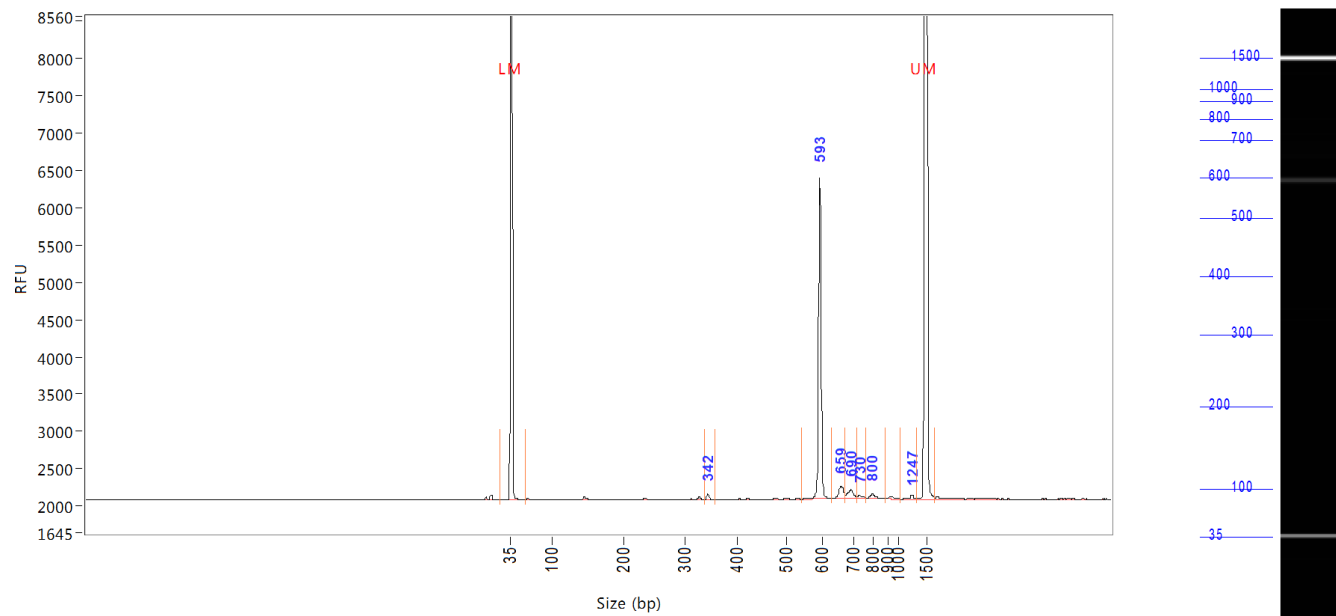
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3932	35	4.59	12982	60.577
2	262	0.6647	260	1.90	1445	8.534
3	1500 (UM)	0.5000	1493	1.43	23688	77.033
TIC:		0.6647	ng/uL			
TIM:		4.175	nmole/L			
Total Conc.:		0.8121	ng/uL			

BA23_WT(1)



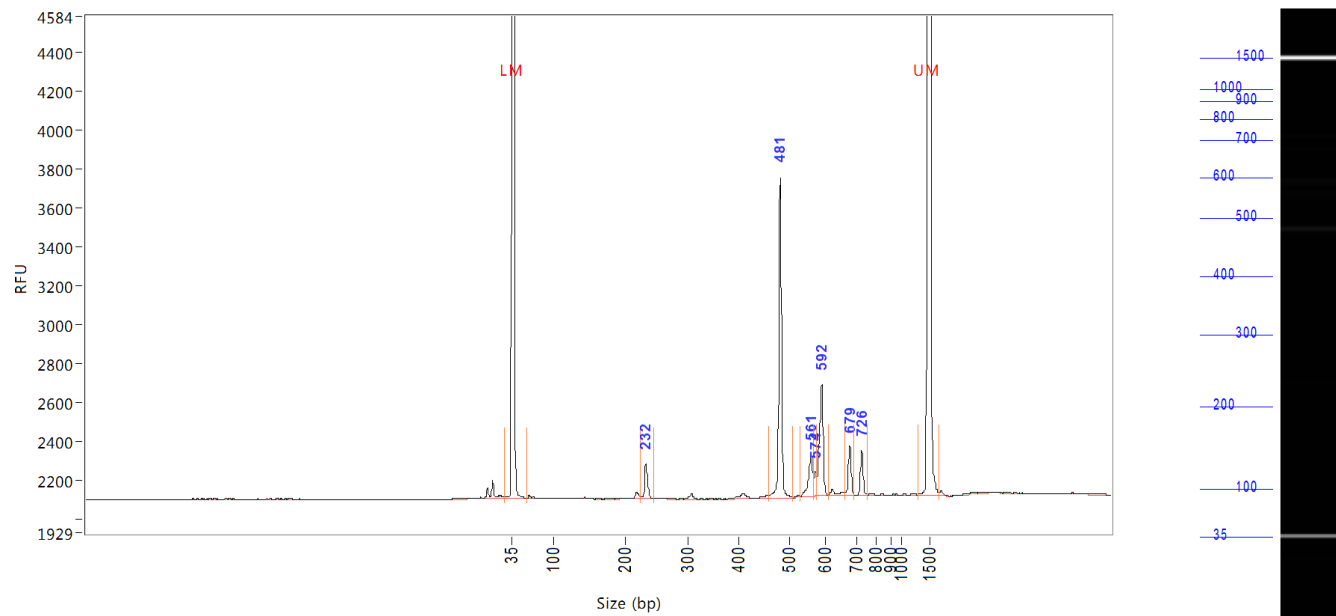
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3999	34	4.32	13910	63.266
2	326	0.0230	326	1.02	54	0.303
3	342	0.0309	343	0.77	80	0.407
4	593	1.4986	592	0.81	4714	19.756
5	659	0.1003	659	1.10	168	1.323
6	689	0.0879	689	1.27	137	1.159
7	728	0.0312	736	2.15	52	0.412
8	798	0.0373	799	1.82	70	0.492
9	1240	0.0234	1215	4.57	64	0.309
10	1500 (UM)	0.5000	1492	1.54	24309	79.101
TIC:		1.8327	ng/uL			
TIM:		5.059	nmole/L			
Total Conc.:		2.0307	ng/uL			

BA23_WT(2)



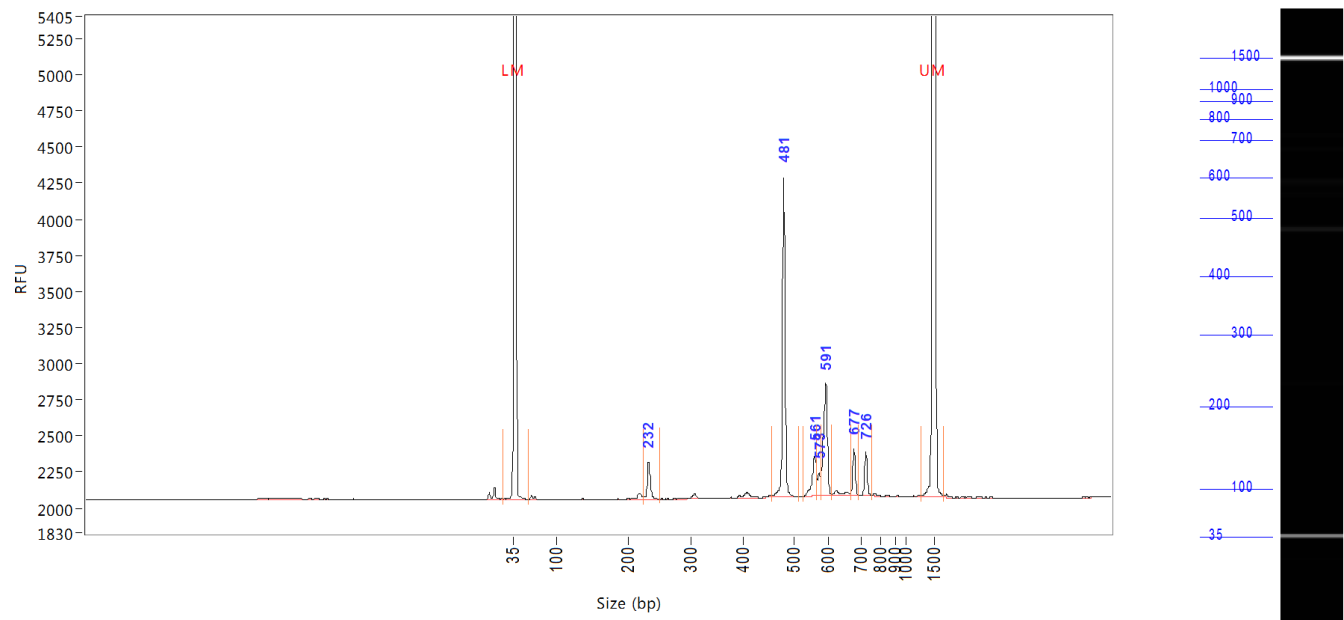
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3983	35	4.56	12837	59.830
2	342	0.0307	343	0.93	74	0.384
3	593	1.4466	593	0.85	4301	18.107
4	659	0.1027	659	1.17	161	1.285
5	690	0.0801	690	1.24	118	1.002
6	730	0.0305	736	2.10	50	0.382
7	800	0.0390	802	2.00	66	0.488
8	1247	0.0226	1232	3.40	58	0.282
9	1500 (UM)	0.5000	1491	1.43	23170	75.099
TIC:		1.7522	ng/uL			
TIM:		4.785	nmole/L			
Total Conc.:		1.9556	ng/uL			

BA23_c.4773+3A>G(1)



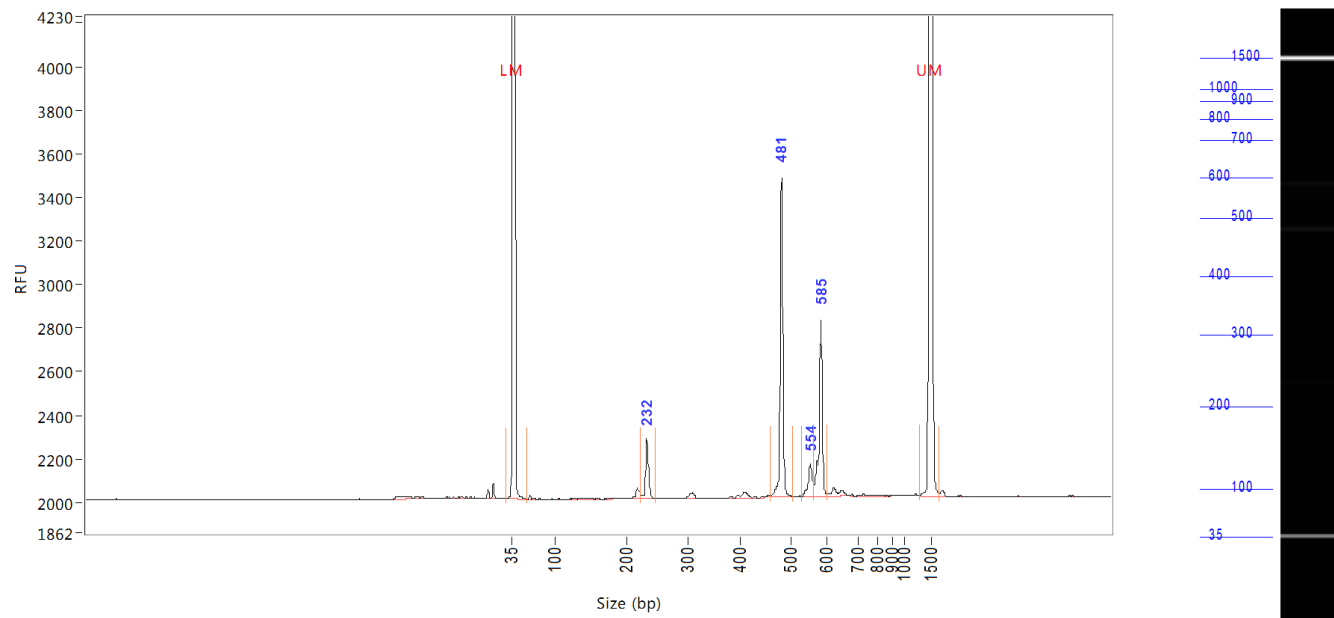
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4098	35	4.33	14529	66.324
2	232	0.0866	232	1.21	183	1.168
3	481	0.5605	481	0.84	1646	7.560
4	561	0.1114	557	1.38	217	1.503
5	574	0.0406	573	0.52	125	0.548
6	592	0.2557	589	0.87	573	3.449
7	679	0.0756	677	0.56	253	1.019
8	726	0.0718	724	1.16	235	0.968
9	1500 (UM)	0.5000	1495	1.45	24877	80.925
TIC:		1.2022	ng/uL			
TIM:		4.032	nmole/L			
Total Conc.:		1.3617	ng/uL			

BA23_c.4773+3A>G(2)



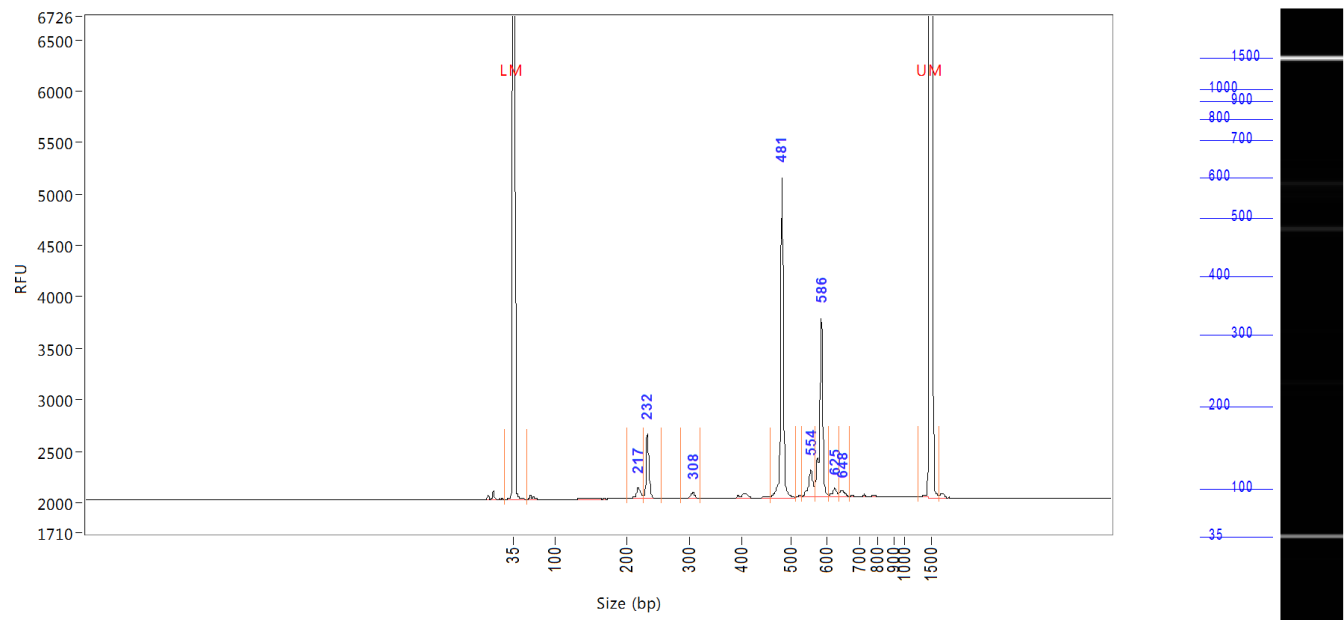
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4055	35	4.69	14706	68.121
2	232	0.1170	233	1.25	261	1.638
3	481	0.7237	480	0.83	2212	10.131
4	561	0.1409	556	1.37	293	1.972
5	573	0.0497	572	0.52	161	0.696
6	591	0.3304	589	0.88	773	4.625
7	677	0.0914	677	0.56	324	1.279
8	726	0.0896	724	1.07	304	1.254
9	1500 (UM)	0.5000	1492	1.49	25970	83.989
TIC:		1.5427	ng/uL			
TIM:		5.207	nmole/L			
Total Conc.:		1.7292	ng/uL			

BA23_c.4773+5G>A(1)



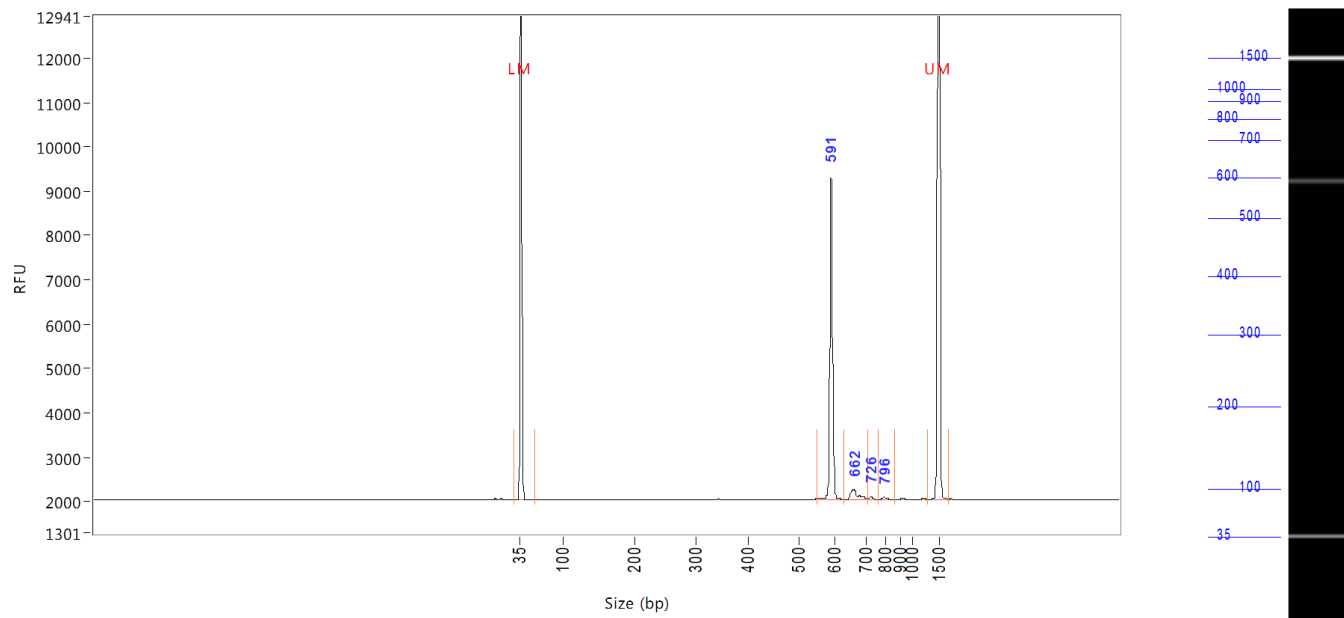
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4019	35	4.24	13972	63.623
2	232	0.1294	232	1.22	274	1.707
3	481	0.5134	480	0.83	1466	6.772
4	554	0.0795	553	1.34	147	1.049
5	585	0.3138	583	1.01	810	4.139
6	1500 (UM)	0.5000	1490	1.41	24419	79.147
TIC:		1.0361	ng/uL			
TIM:		3.794	nmole/L			
Total Conc.:		1.2258	ng/uL			

BA23_c.4773+5G>A(2)



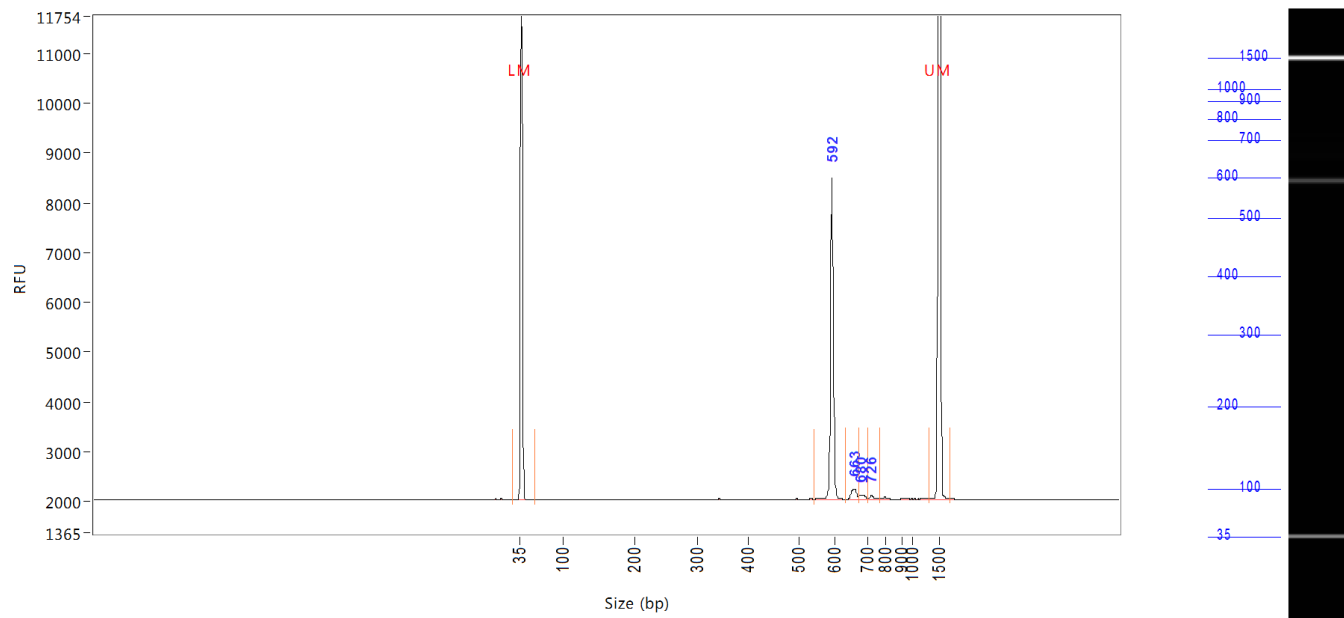
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
	35 (LM)					
1		0.4176	34	4.42	14307	66.682
2	217	0.0849	218	2.41	112	1.129
3	232	0.2823	233	1.22	628	3.757
4	308	0.0426	305	1.85	59	0.567
5	481	1.0879	480	0.87	3109	14.478
6	554	0.1468	553	1.38	262	1.954
7	586	0.6701	583	1.05	1733	8.918
8	625	0.0430	624	1.11	85	0.573
9	648	0.0355	648	1.04	58	0.473
10	1500 (UM)	0.5000	1488	1.41	24621	79.849
	TIC:	2.3932	ng/uL			
	TIM:	9.118	nmole/L			
	Total Conc.:	2.5654	ng/uL			

BA23_c.5196+3_5196+8del(1)



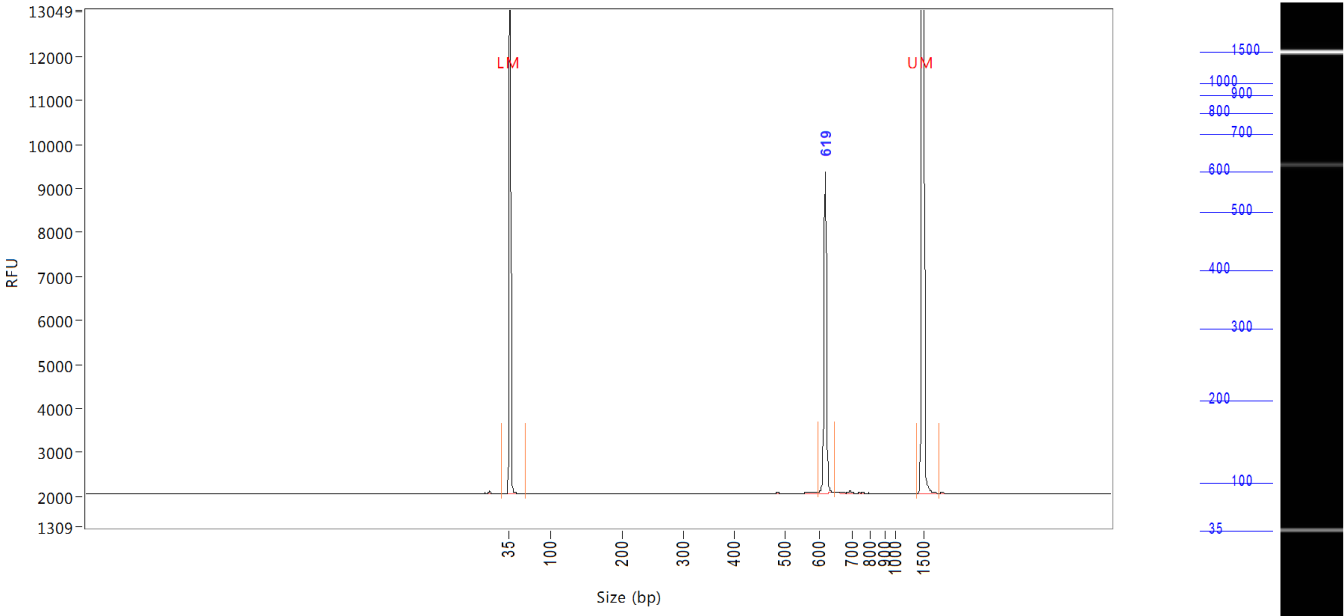
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4244	34	4.34	12974	60.129
2	591	2.5960	591	0.83	7259	30.651
3	662	0.2289	666	2.14	225	2.703
4	726	0.0368	727	1.84	77	0.434
5	796	0.0319	798	2.28	52	0.377
6	1500 (UM)	0.5000	1490	1.42	21870	70.842
	TIC:	2.8937	ng/uL			
	TIM:	7.944	nmole/L			
	Total Conc.:	3.0644	ng/uL			

BA23_c.5196+3_5196+8del(2)



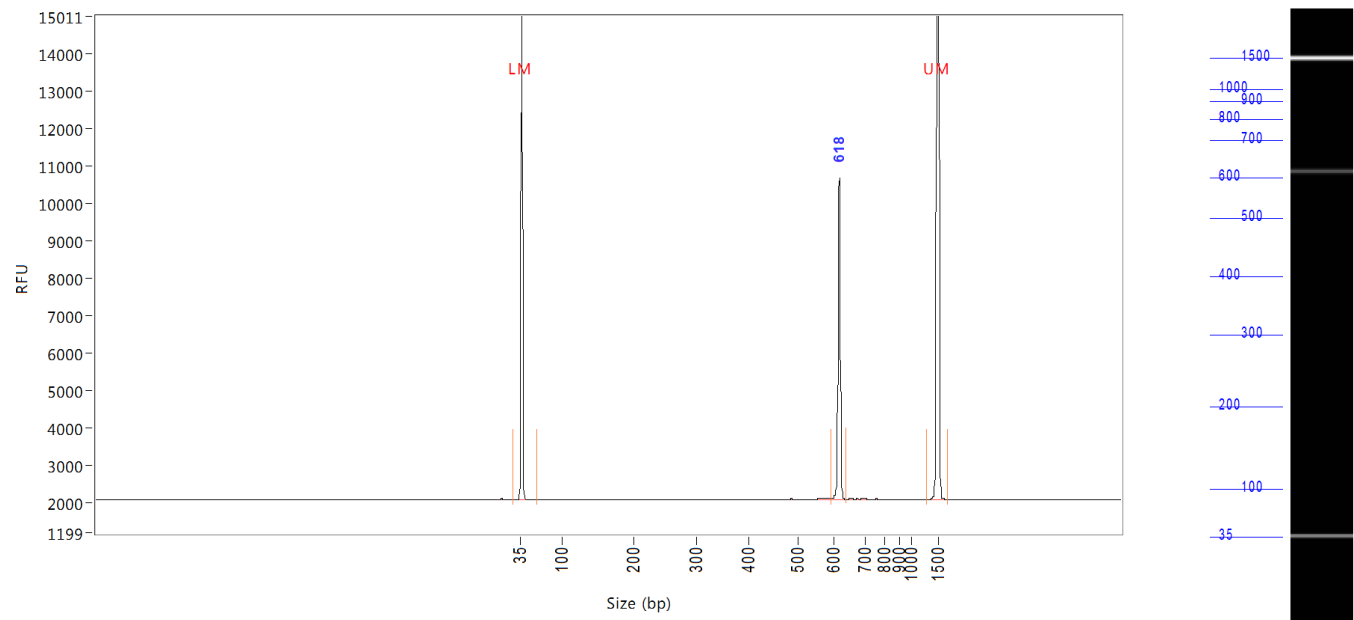
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4111	34	4.40	13152	61.366
2	592	2.2136	592	0.92	6471	27.535
3	663	0.1376	659	1.05	205	1.711
4	680	0.0621	686	1.25	82	0.773
5	726	0.0340	731	2.06	70	0.423
6	1500 (UM)	0.5000	1494	1.44	22833	74.633
TIC:		2.4473	ng/uL			
TIM:		6.718	nmole/L			
Total Conc.:		2.6135	ng/uL			

BA27_WT(1)



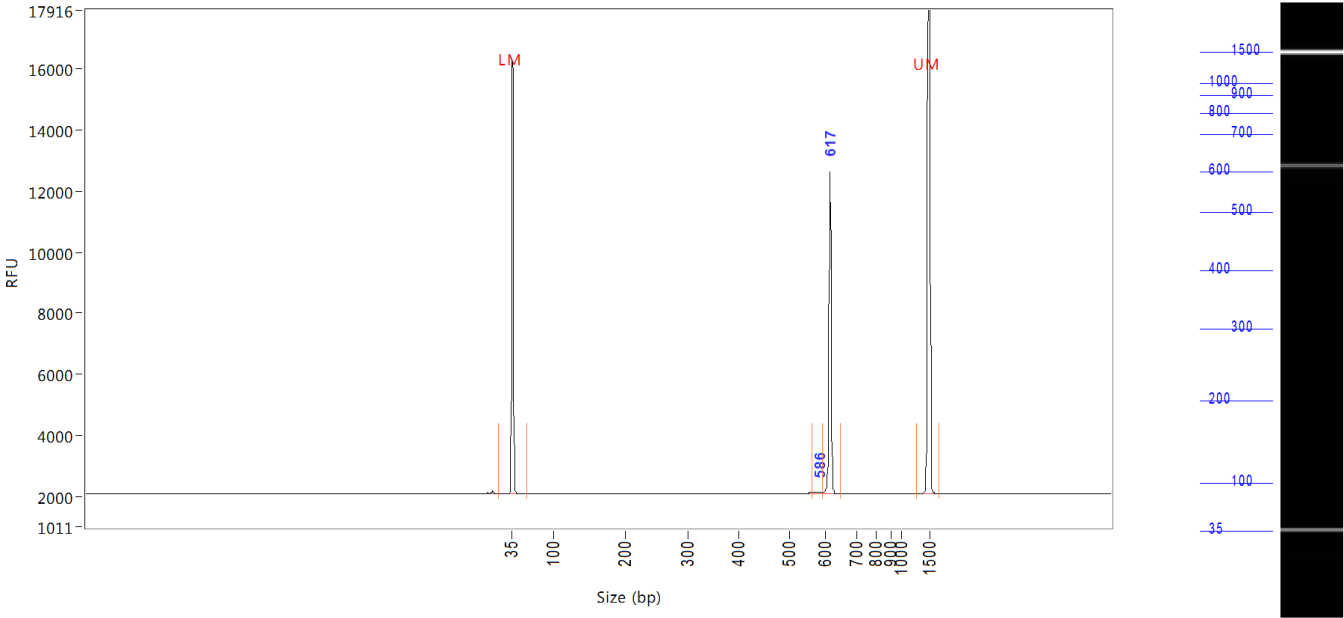
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3947	34	4.76	13983	64.726
2	619	1.9427	617	0.68	7306	26.547
3	1500 (UM)	0.5000	1493	1.68	24994	81.987
TIC:		1.9427	ng/uL			
TIM:		5.166	nmole/L			
Total Conc.:		2.1196	ng/uL			

BA27_WT(2)



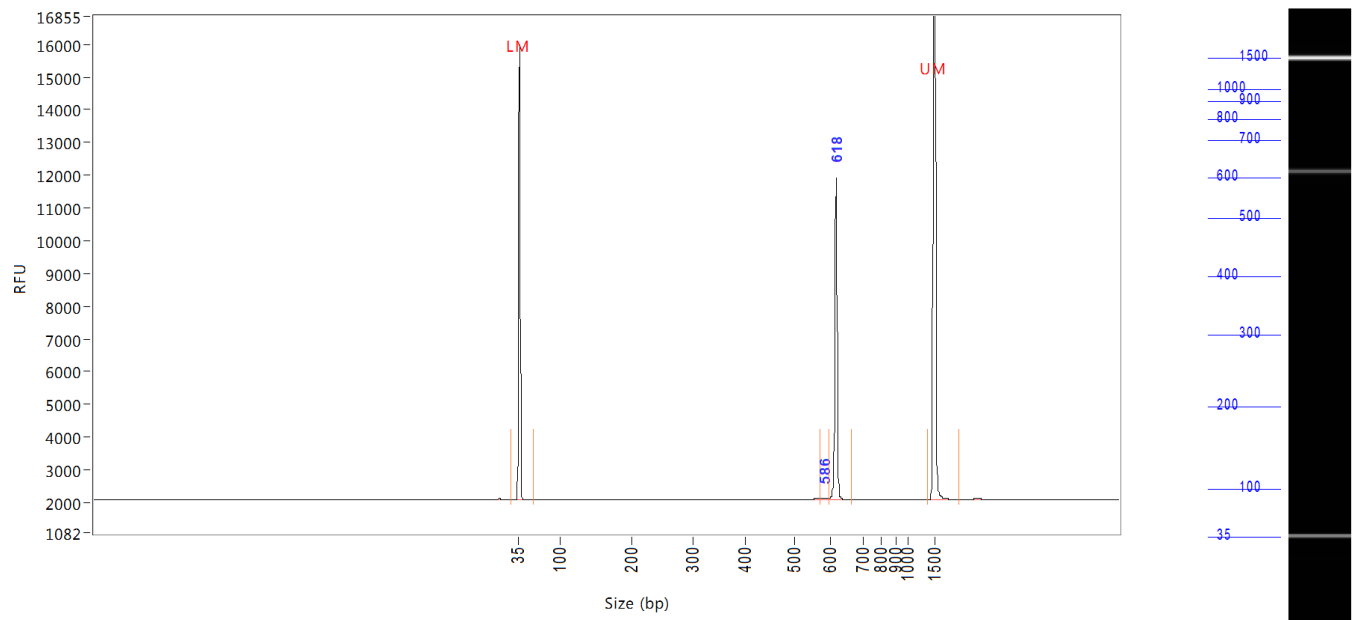
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4062	35	4.48	14057	65.153
2	618	2.3252	616	0.64	8604	31.076
3	1500 (UM)	0.5000	1490	1.45	24389	80.189
TIC:		2.3252	ng/uL			
TIM:		6.195	nmole/L			
Total Conc.:		2.5317	ng/uL			

BA27_c.5585-10T>C(1)



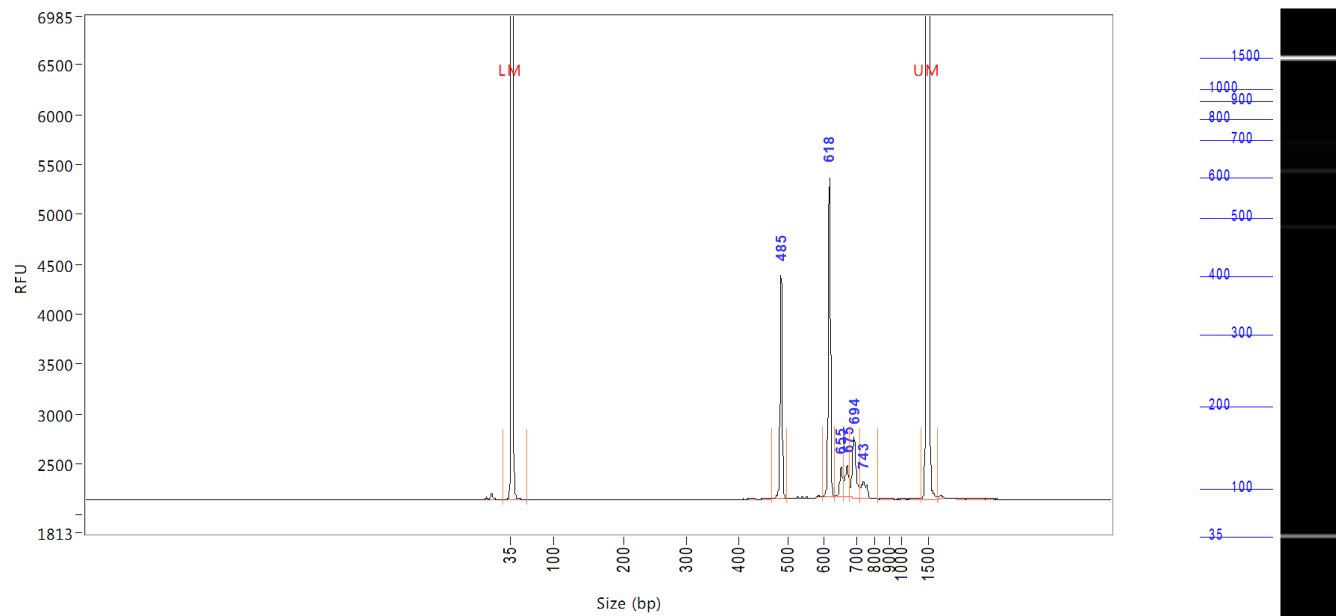
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4023	35	5.07	14295	66.618
2	586	0.0484	583	1.35	64	0.668
3	617	2.7286	615	0.62	10546	37.651
4	1500 (UM)	0.5000	1490	1.44	25430	82.794
TIC:		2.7769	ng/uL			
TIM:		7.419	nmole/L			
Total Conc.:		2.9042	ng/uL			

BA27_c.5585-10T>C(2)



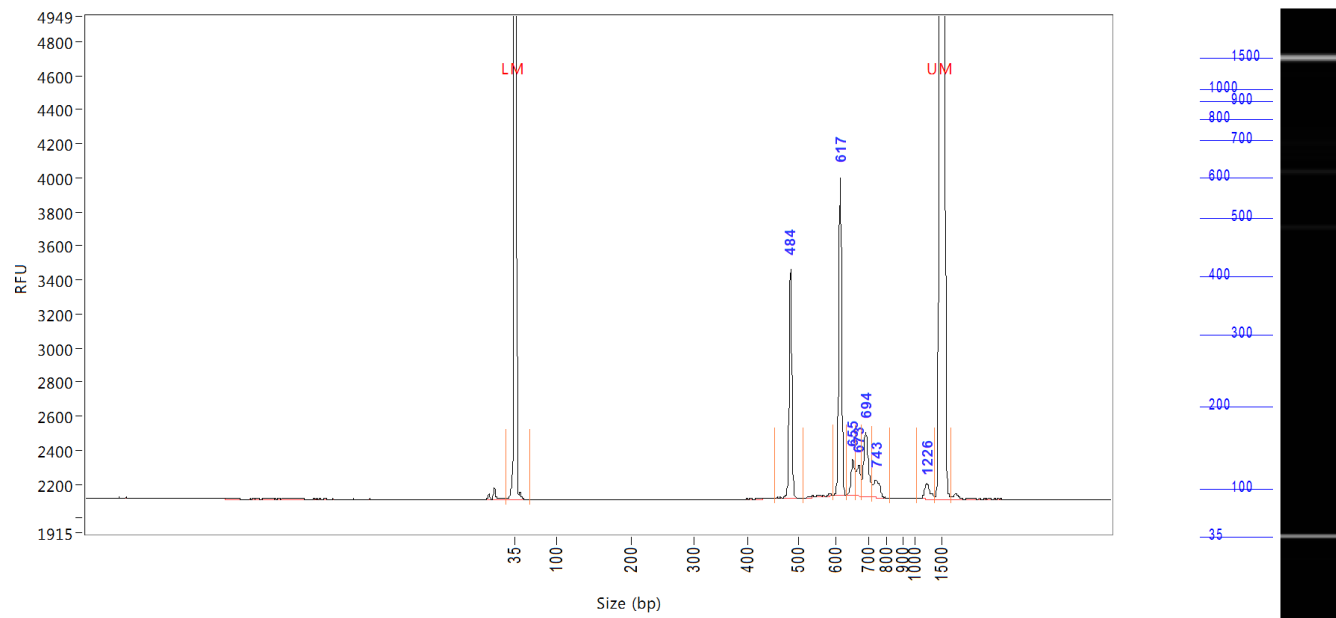
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4190	35	4.61	13904	64.784
2	586	0.0441	585	1.24	58	0.568
3	618	2.7650	616	0.67	9831	35.626
4	1500 (UM)	0.5000	1496	1.97	23135	77.307
TIC:		2.8091	ng/uL			
TIM:		7.490	nmole/L			
Total Conc.:		2.9446	ng/uL			

BA27_c.5714+5G>A(1)



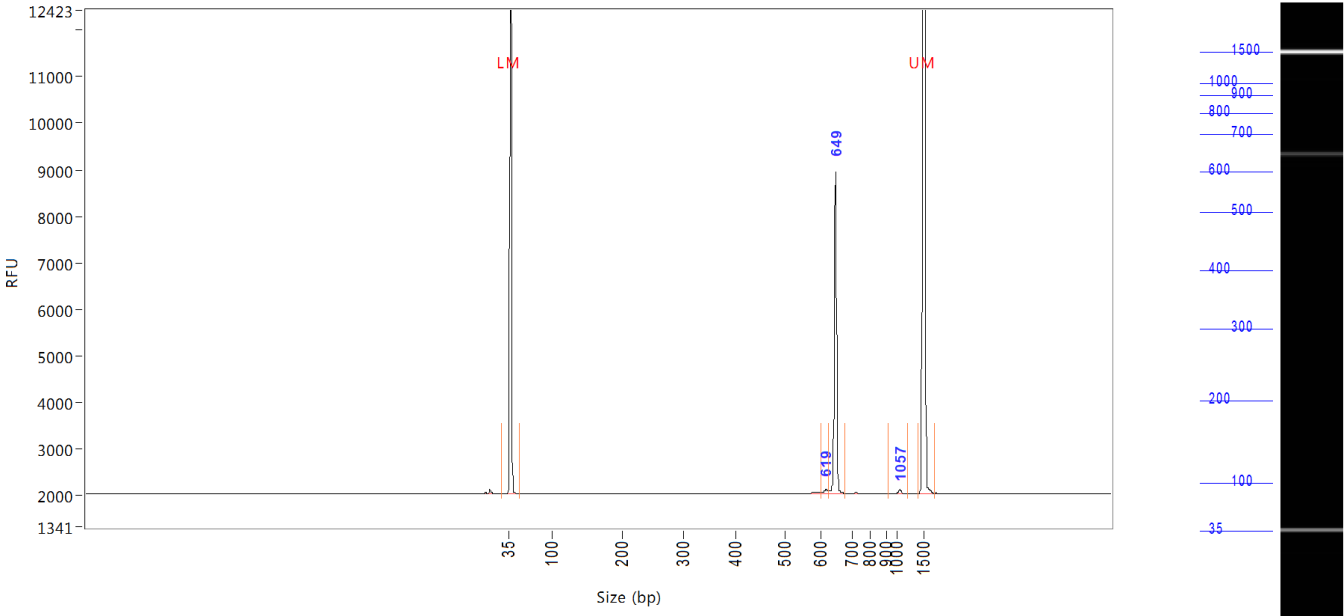
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3984	34	4.77	13818	63.473
2	485	0.6067	484	0.48	2235	8.056
3	618	0.8505	617	0.57	3197	11.292
4	655	0.1083	654	0.76	298	1.438
5	675	0.1436	671	0.79	321	1.907
6	694	0.2856	696	1.31	603	3.793
7	743	0.1059	746	1.98	158	1.406
8	1500 (UM)	0.5000	1491	1.41	24502	79.667
TIC:		2.1006	ng/uL			
TIM:		5.859	nmole/L			
Total Conc.:		2.1957	ng/uL			

BA27_c.5714+5G>A(2)



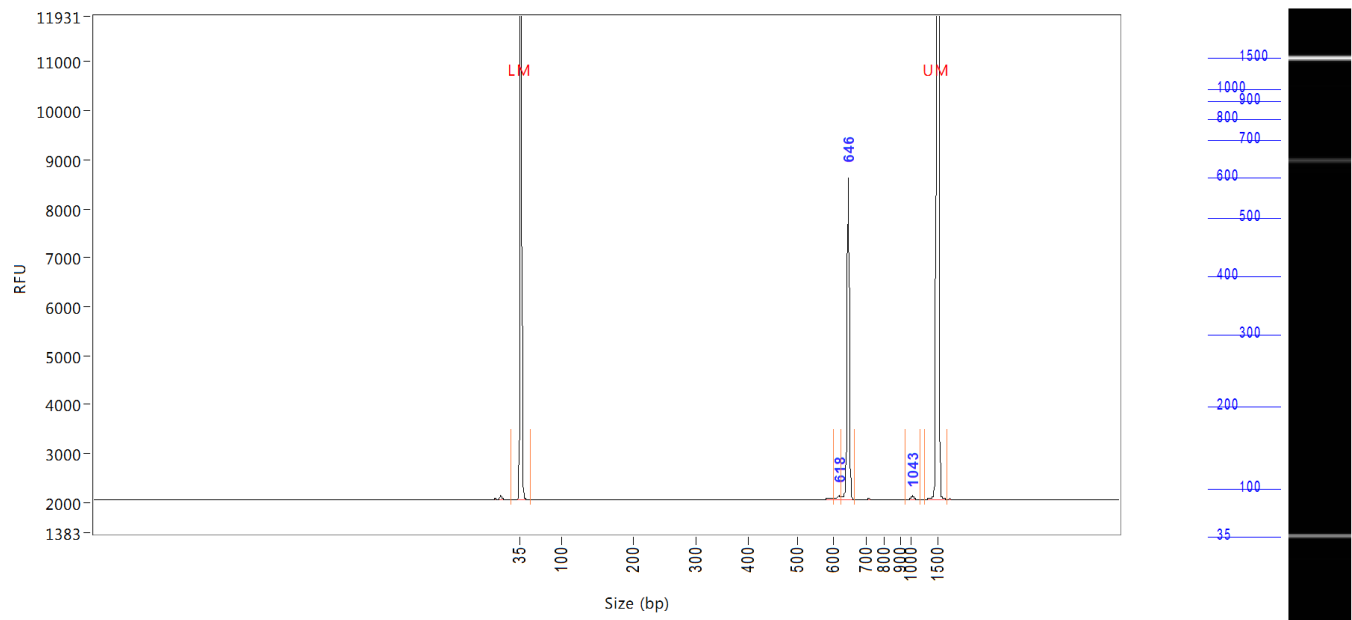
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4215	34	4.67	14224	66.084
2	484	0.4711	483	0.81	1347	6.155
3	617	0.6499	615	0.68	1867	8.492
4	655	0.0973	654	0.83	208	1.272
5	673	0.0936	672	0.81	180	1.223
6	694	0.2184	696	1.34	380	2.854
7	743	0.0762	747	2.11	102	0.996
8	1226	0.0557	1237	4.65	88	0.728
9	1500 (UM)	0.5000	1495	1.96	17032	78.398
TIC:		1.6623	ng/uL			
TIM:		4.572	nmole/L			
Total Conc.:		1.7361	ng/uL			

BA27_c.5836-3C>A(1)



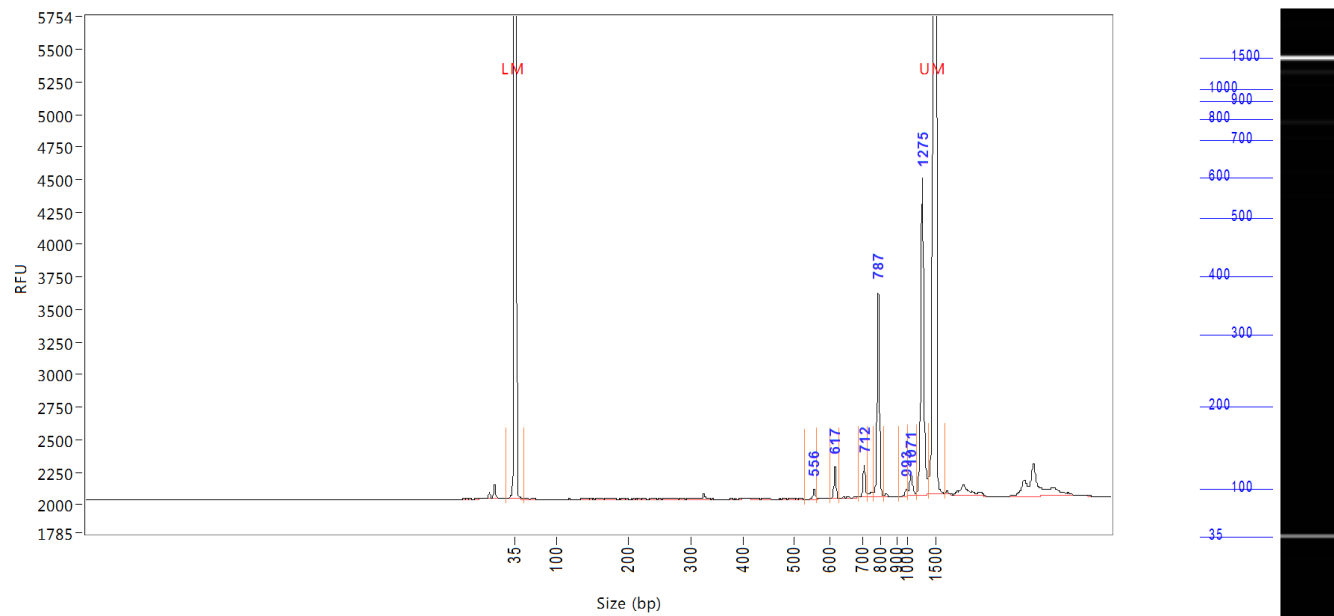
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4123	35	4.24	14141	64.630
2	619	0.0404	617	0.97	82	0.528
3	649	1.9165	647	0.62	6906	25.037
4	1057	0.0326	1045	3.74	85	0.425
5	1500 (UM)	0.5000	1494	1.42	24293	78.383
TIC:		1.9895	ng/uL			
TIM:		5.020	nmole/L			
Total Conc.:		2.1282	ng/uL			

BA27_c.5836-3C>A(2)



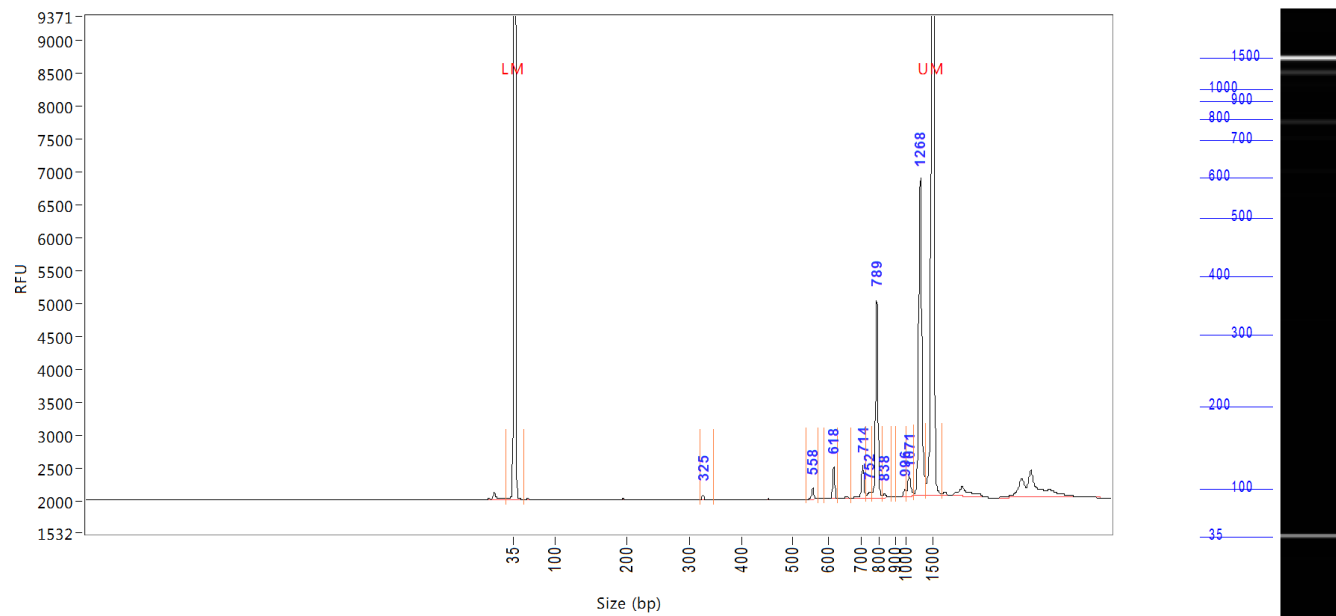
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4176	35	4.29	14397	66.176
2	618	0.0371	614	1.02	74	0.490
3	646	1.7813	645	0.60	6576	23.525
4	1043	0.0285	1036	3.20	74	0.376
5	1500 (UM)	0.5000	1489	1.45	24353	79.243
TIC:		1.8468	ng/uL			
TIM:		4.679	nmole/L			
Total Conc.:		1.9985	ng/uL			

BA27_c.5898+5del(1)



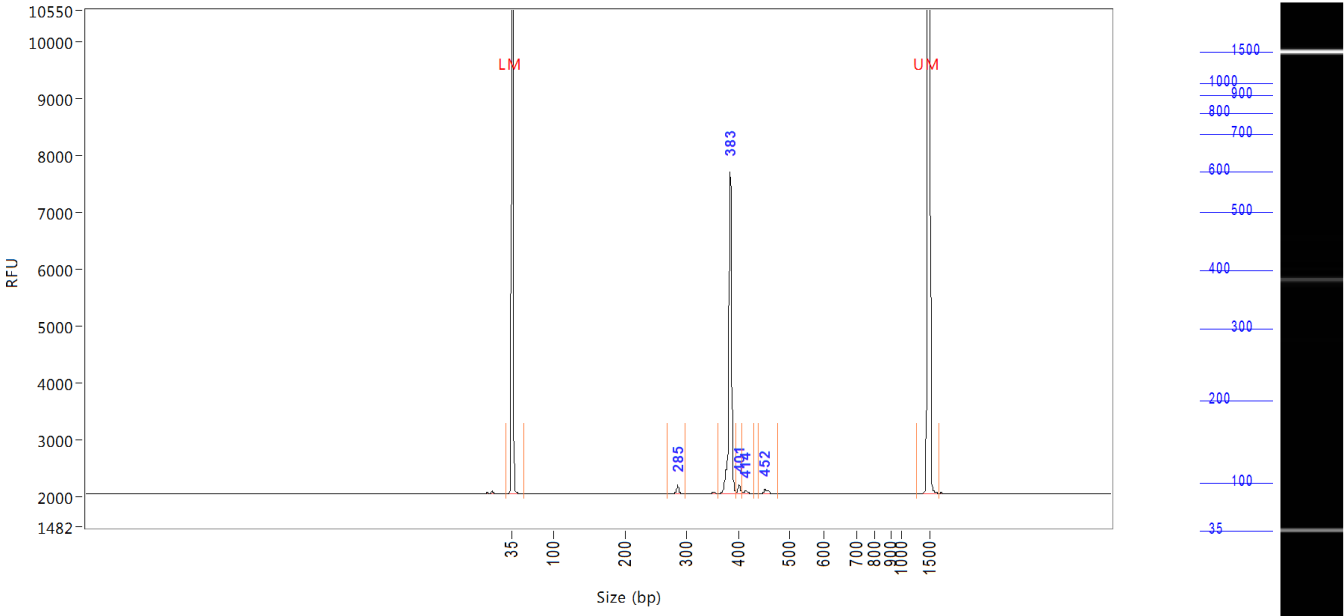
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.3996	34	4.19	14568	66.403
2	556	0.0203	555	0.77	77	0.282
3	617	0.0623	615	0.59	245	0.863
4	712	0.0650	711	0.98	242	0.901
5	787	0.4145	786	0.94	1564	5.740
6	993	0.0157	991	1.45	53	0.218
7	1071	0.0558	1070	2.98	161	0.773
8	1275	0.7360	1270	2.52	2437	10.193
9	1500 (UM)	0.5000	1492	1.45	25434	83.093
TIC:		1.3698	ng/uL			
TIM:		2.305	nmole/L			
Total Conc.:		1.5106	ng/uL			

BA27_c.5898+5del(2)



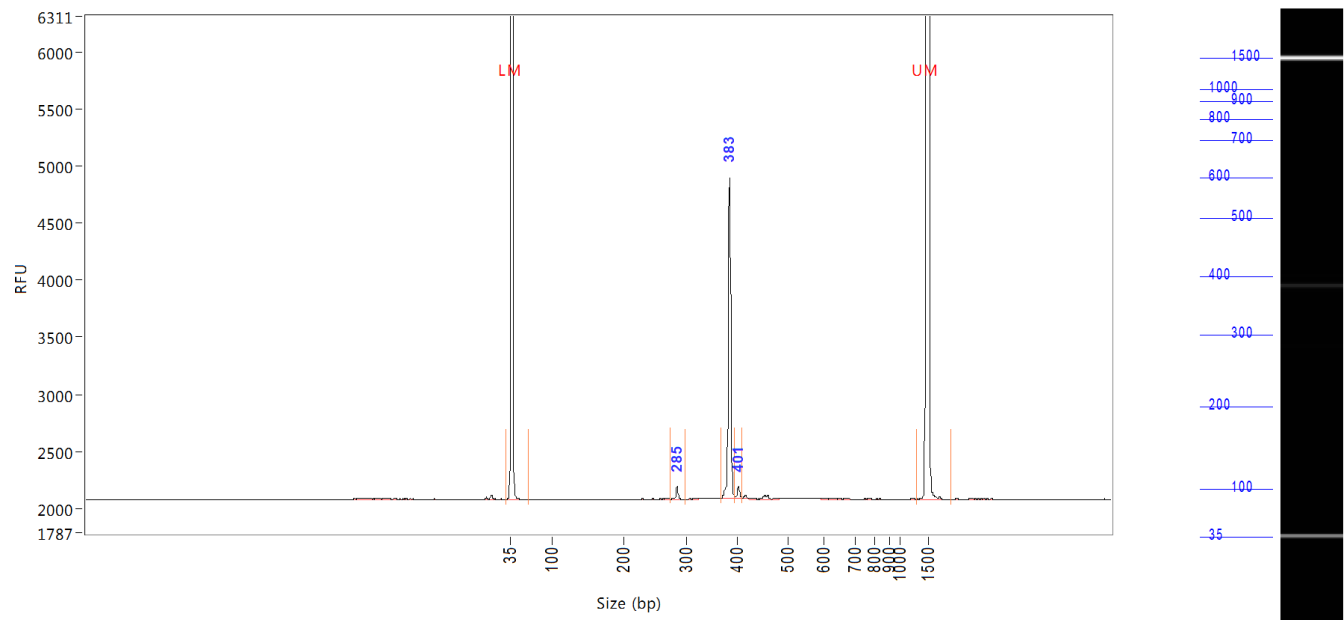
Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4212	35	4.38	12969	60.884
2	325	0.0273	325	1.15	80	0.329
3	558	0.0461	556	0.58	160	0.556
4	618	0.1369	616	0.72	475	1.650
5	714	0.1584	711	1.19	494	1.908
6	752	0.0361	747	1.09	77	0.434
7	789	0.9053	788	0.98	2983	10.905
8	838	0.0193	837	0.90	58	0.233
9	996	0.0334	992	1.40	106	0.403
10	1071	0.1211	1072	2.99	304	1.459
11	1268	1.6375	1266	2.45	4823	19.727
12	1500 (UM)	0.5000	1490	1.62	21606	72.280
TIC:		3.1216	ng/uL			
TIM:		5.376	nmole/L			
Total Conc.:		3.2212	ng/uL			

BA29_WT(1)

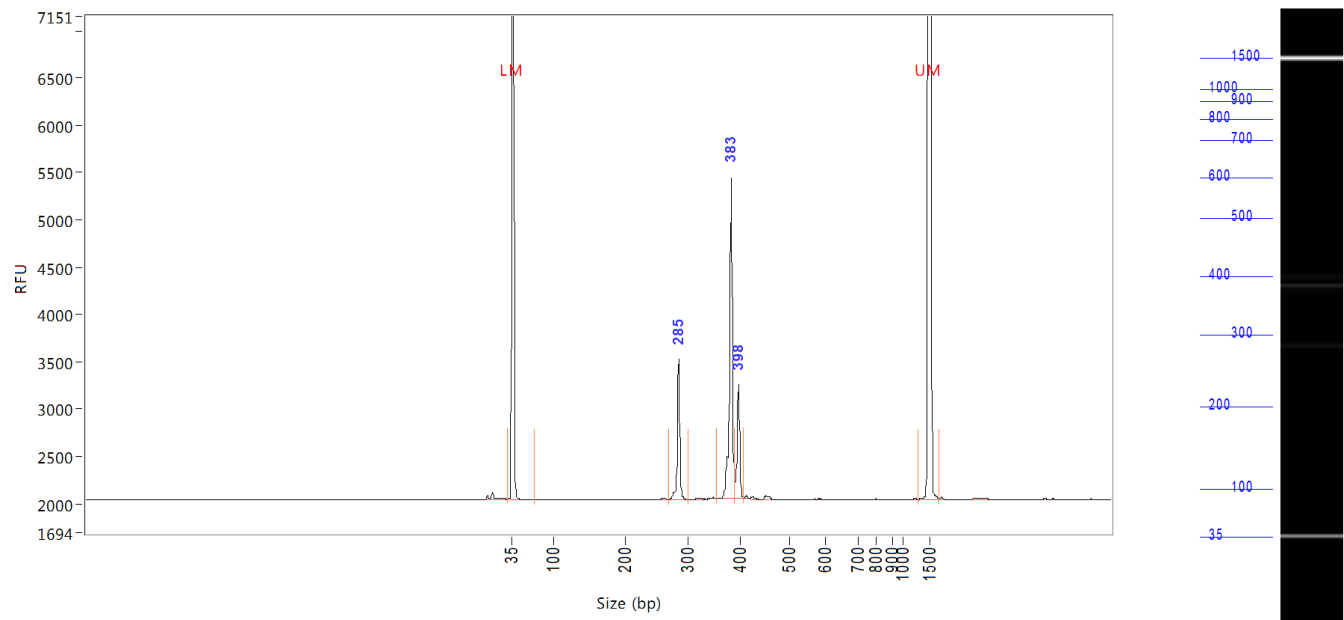


Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4032	34	4.28	12252	57.526
2	285	0.0651	284	1.09	161	0.774
3	383	2.1809	382	0.90	5652	25.929
4	401	0.0624	400	0.70	154	0.742
5	414	0.0282	415	1.03	55	0.335
6	452	0.0499	454	1.14	70	0.593
7	1500 (UM)	0.5000	1495	1.44	21623	71.336
TIC:		2.3864	ng/uL			
TIM:		10.294	nmole/L			
Total Conc.:		2.4924	ng/uL			

BA29_WT(2)

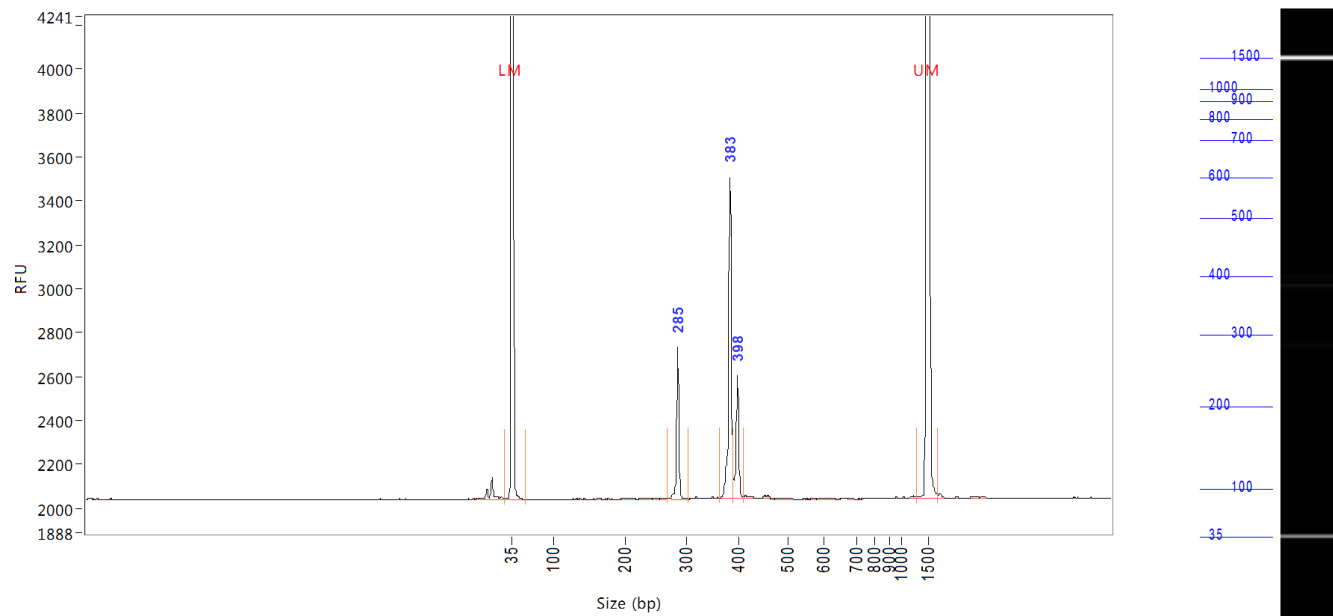


BA29_c.6478A>G(1)



Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4139	35	4.53	14655	66.533
2	285	0.5340	284	1.02	1481	7.153
3	383	1.2332	381	1.03	3392	16.518
4	398	0.4363	397	0.69	1207	5.844
5	1500 (UM)	0.5000	1490	1.40	24873	80.366
TIC:		2.2035	ng/uL			
TIM:		10.188	nmole/L			
Total Conc.:		2.3450	ng/uL			

BA29_c.6478A>G(2)



Peak	Size (bp)	Conc. (ng/uL)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	0.4189	34	4.31	14617	67.965
2	285	0.2299	284	0.95	691	3.109
3	383	0.5061	382	0.92	1461	6.844
4	398	0.1947	397	0.70	559	2.632
5	1500 (UM)	0.5000	1495	1.40	24885	81.126
TIC:		0.9308	ng/uL			
TIM:		4.305	nmole/L			
Total Conc.:		1.0364	ng/uL			