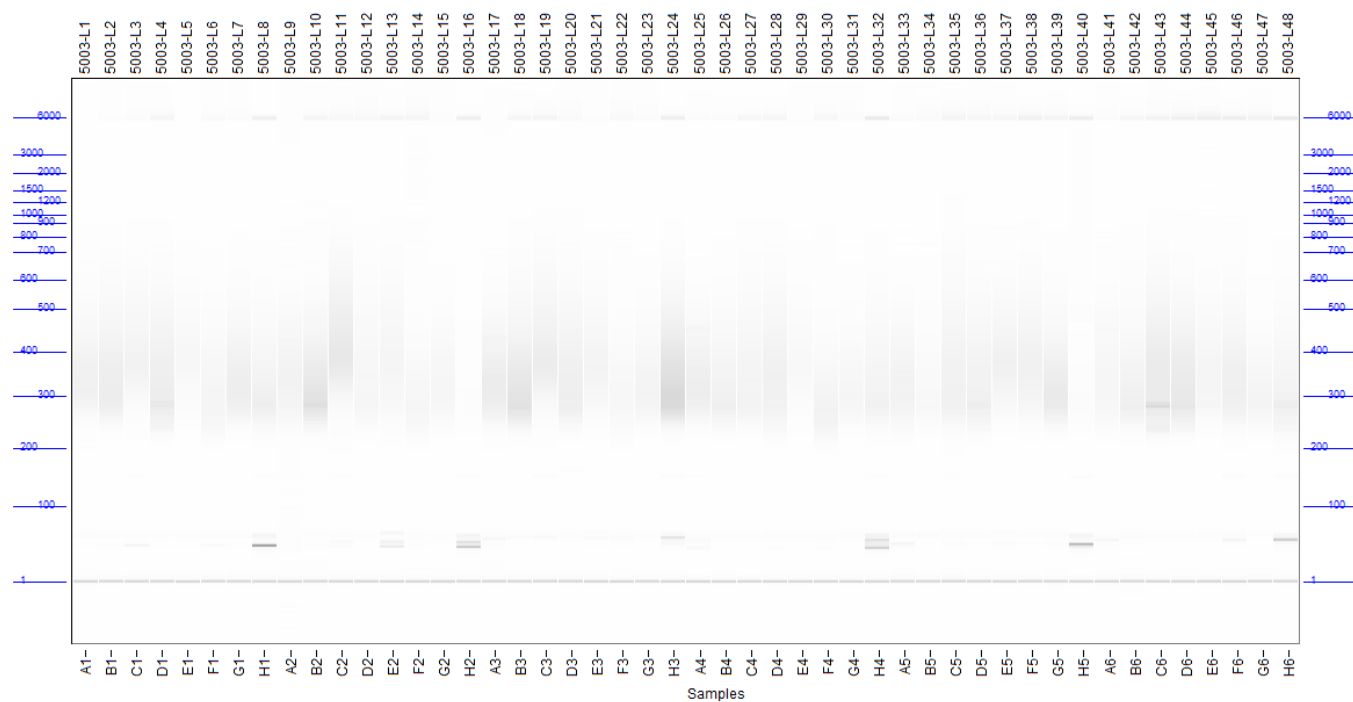
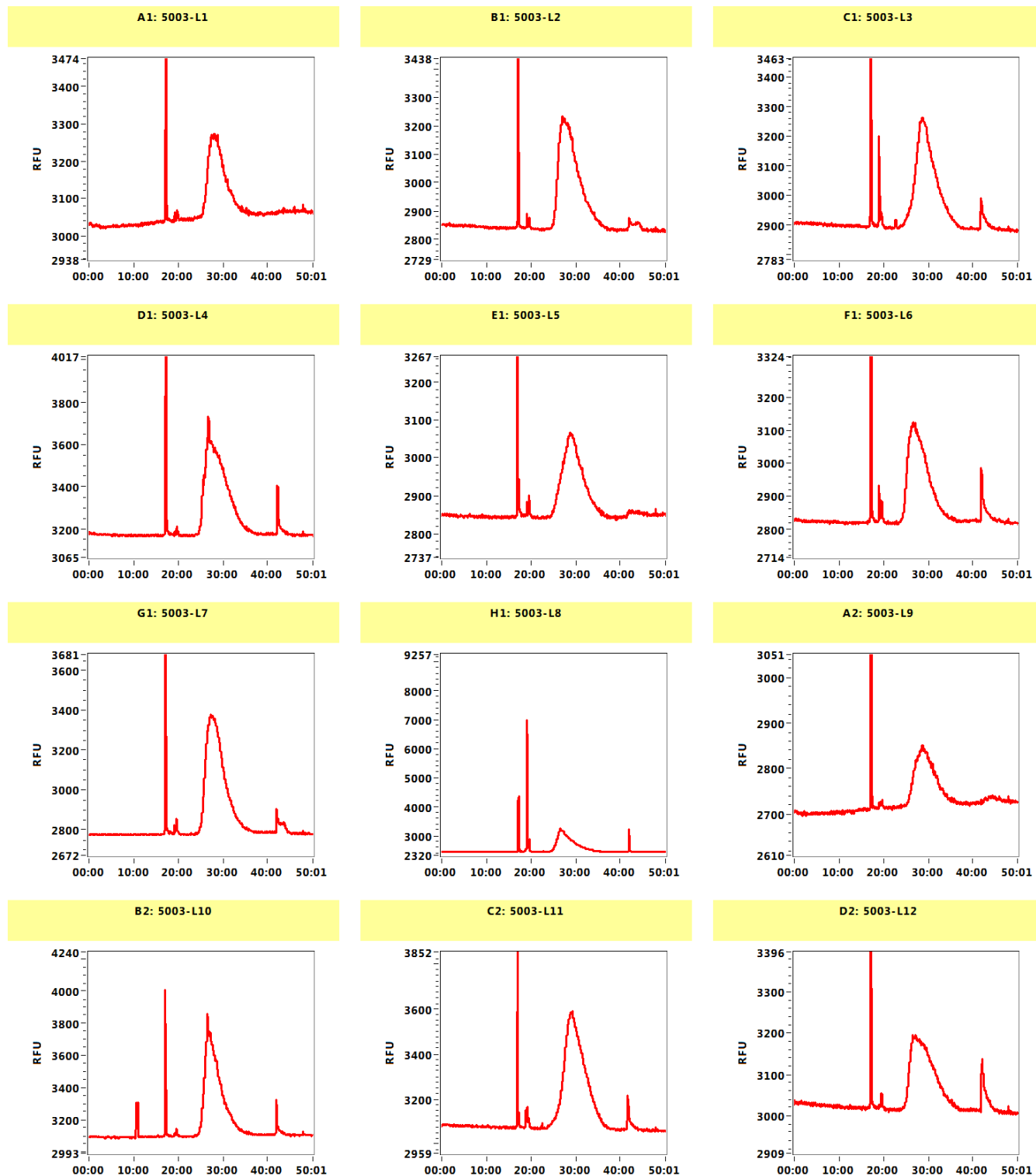


Fragment Analyzer Run Summary:**Filename and Data Path:** C:\AATI\Data\2018 07 16\11-38-42\2018 07 16 11H 38M.raw**Created:** Monday, July 16, 2018 12:08:17 PM**# of Capillaries:** 48**Array Serial #:** 061316-03SFS**Effect Length:** 33 cm**Array Usage Count:** 224**FA Version #:** 1.1.0.11**Device Serial #:** 3422**METHOD INFORMATION****Method Name:** DNF-474-33 - HS NGS Fragment 1-6000bp.mthds**Gel Prime:** No**Full Conditioning:** Yes**Gel Prime to Buffer:** No**Gel Selection:** Gel 2**Perform Prerun:** 6.0 kV, 30 sec.**Rinse:** No**Marker 1:** No**Rinse:** Tray: 3, Row: A, # Dips: 1**Sample Injection:** 5.0 kV, 30 sec.**Separation:** 6.0 kV, 50.0 min.**Tray Name:** HS-DNA-LIB**Analysis Mode:** NGS**NOTE**

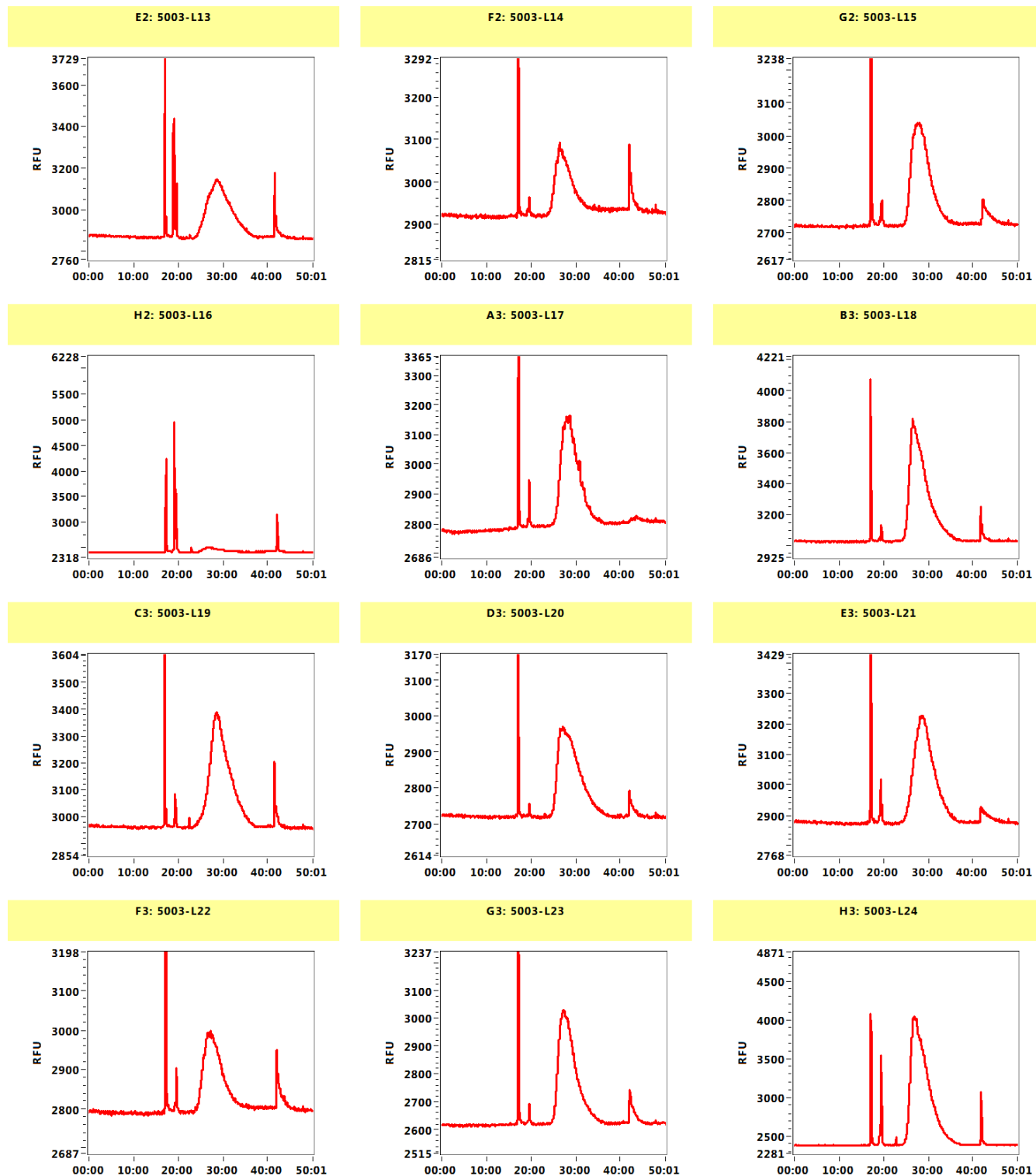
Gel Image



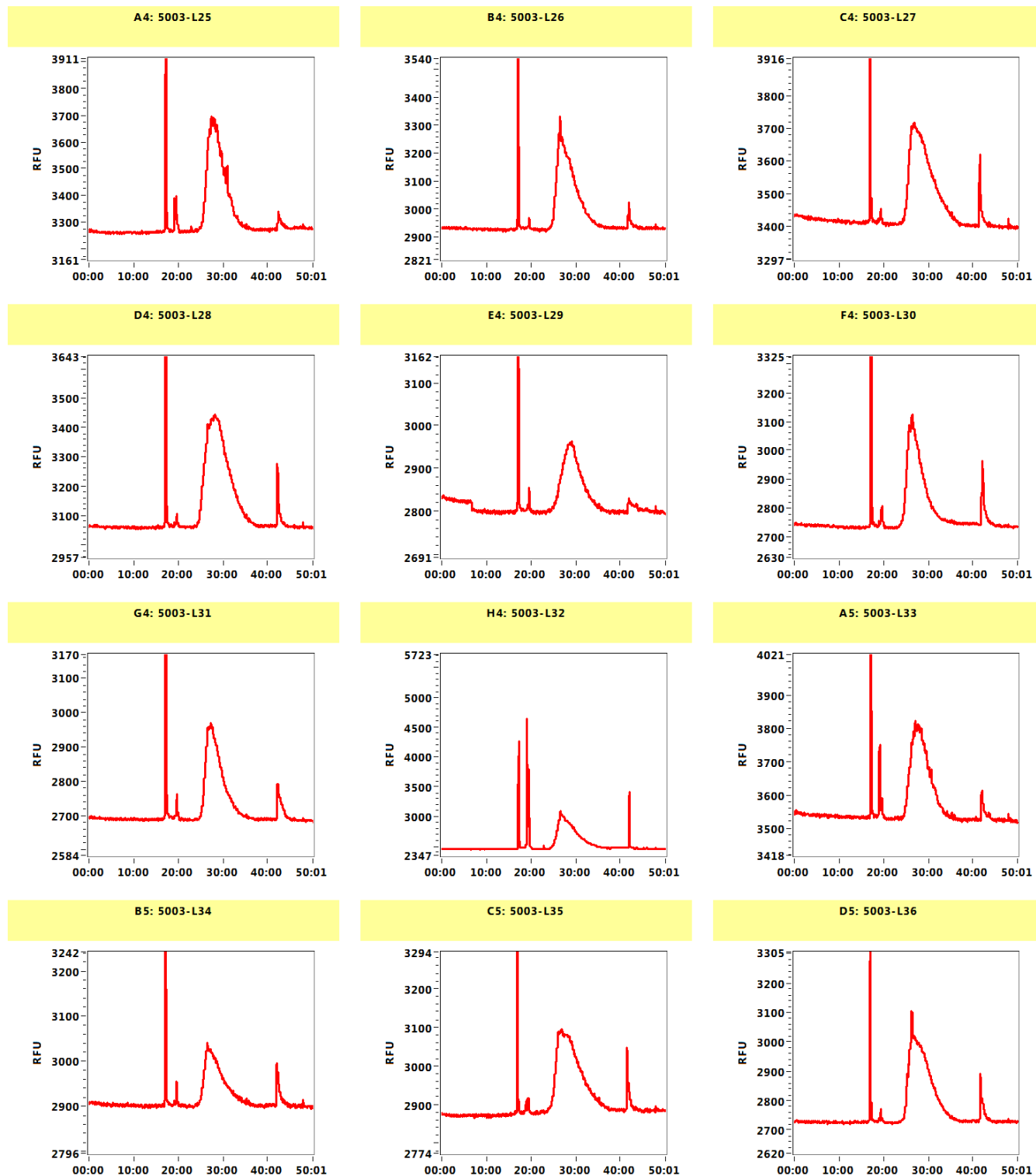
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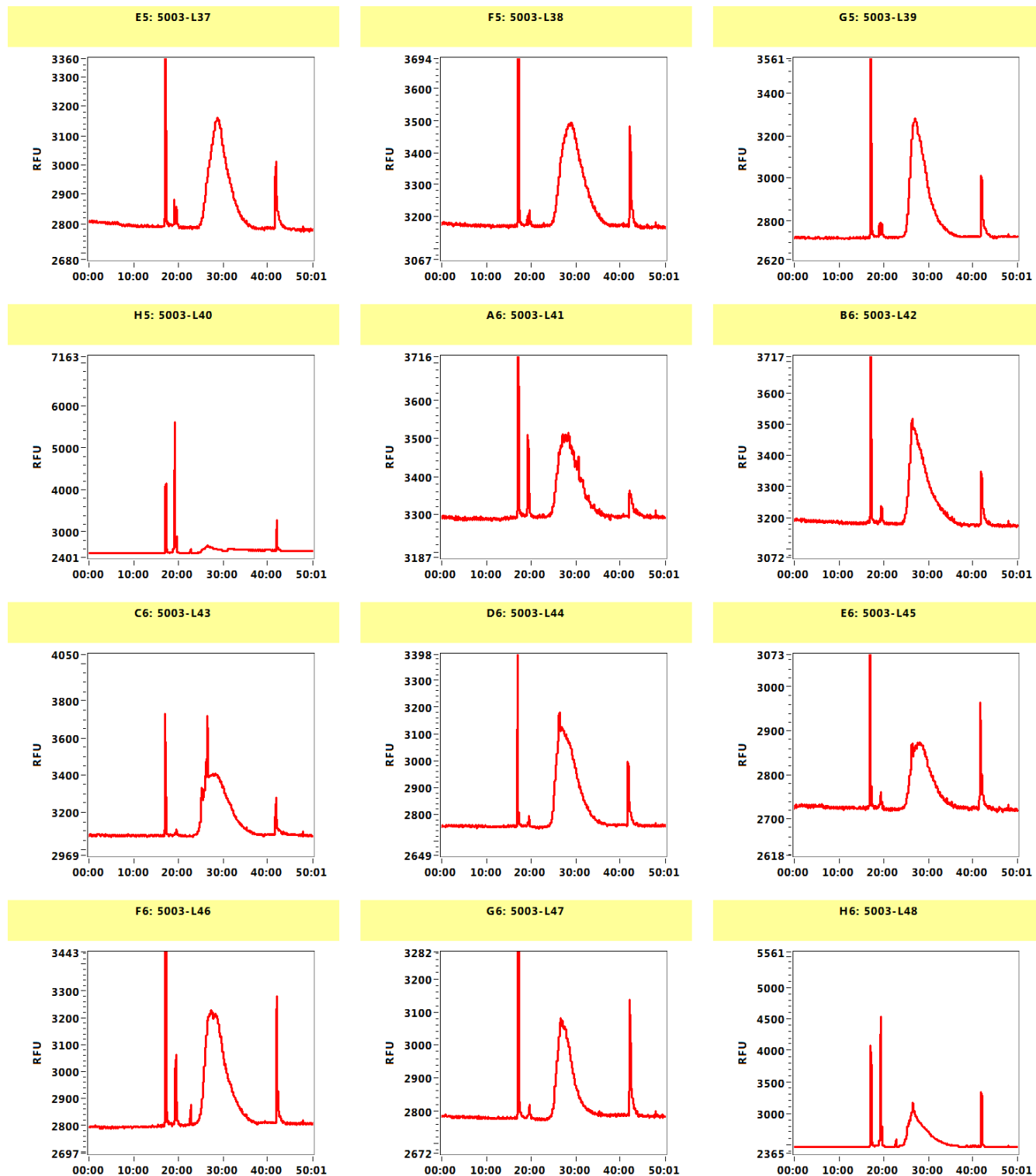
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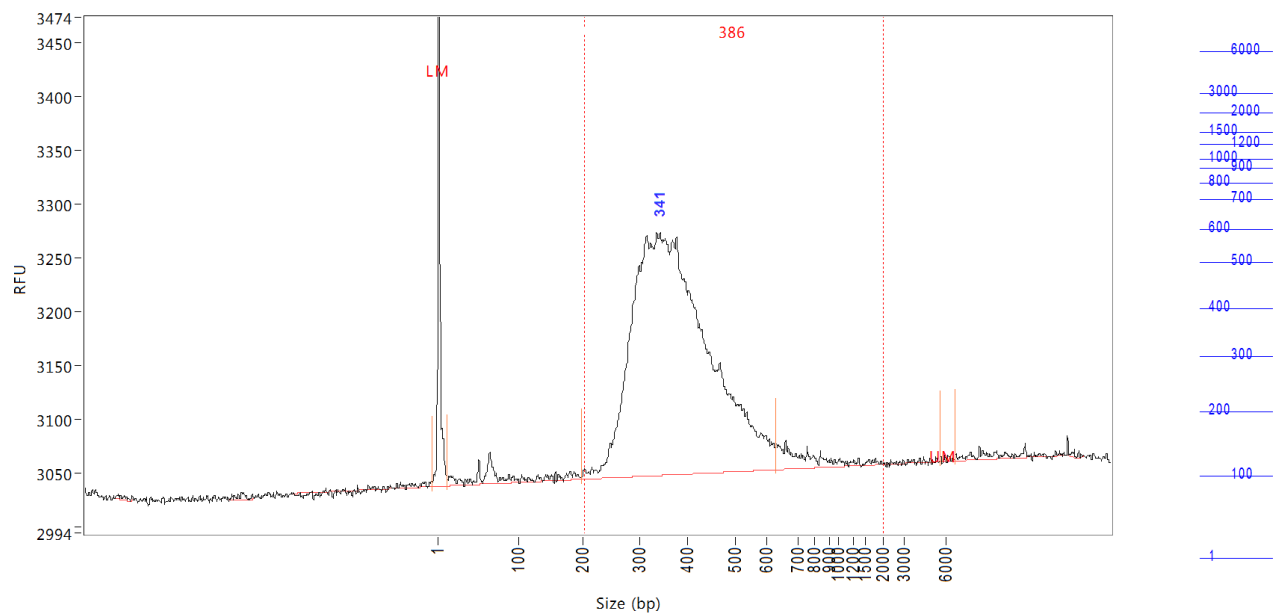


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Filename and Data Path: C:\AATI\Data\2018 07 16\11-38-42\2018 07 16 11H 38M.raw

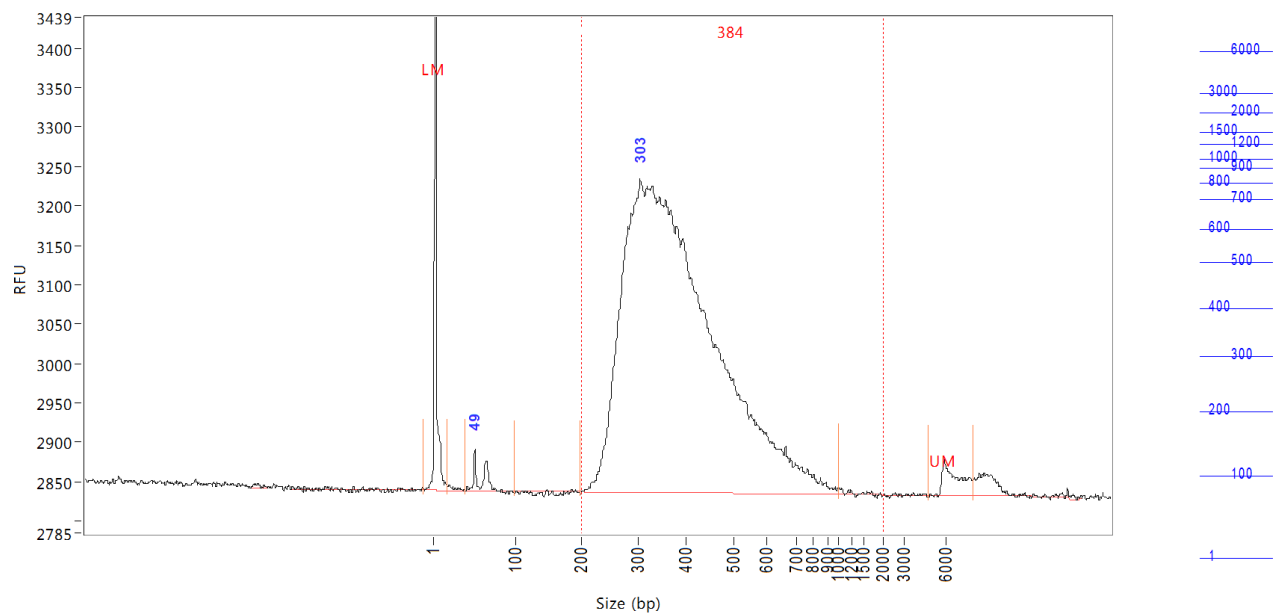


Sample: 5003-L1**Well Location:** A1**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	12	1	186.68	617	4.067
341	3.1726	196	629	371	21.35	226	34.346
6000 (UM)	0.0003	5727	6715	6233	4.03	6	0.035
TIC:		3.1726	ng/uL				
TIM:		15.311	nmole/L				
Total Conc.:		3.4360	ng/uL				

Smear Analysis 200 bp to 2000 bp 3.2765 ng/ul 95.4 %Total 13.963 nmole/L 386 Avg. Size (b.p.) 31.75 %CV

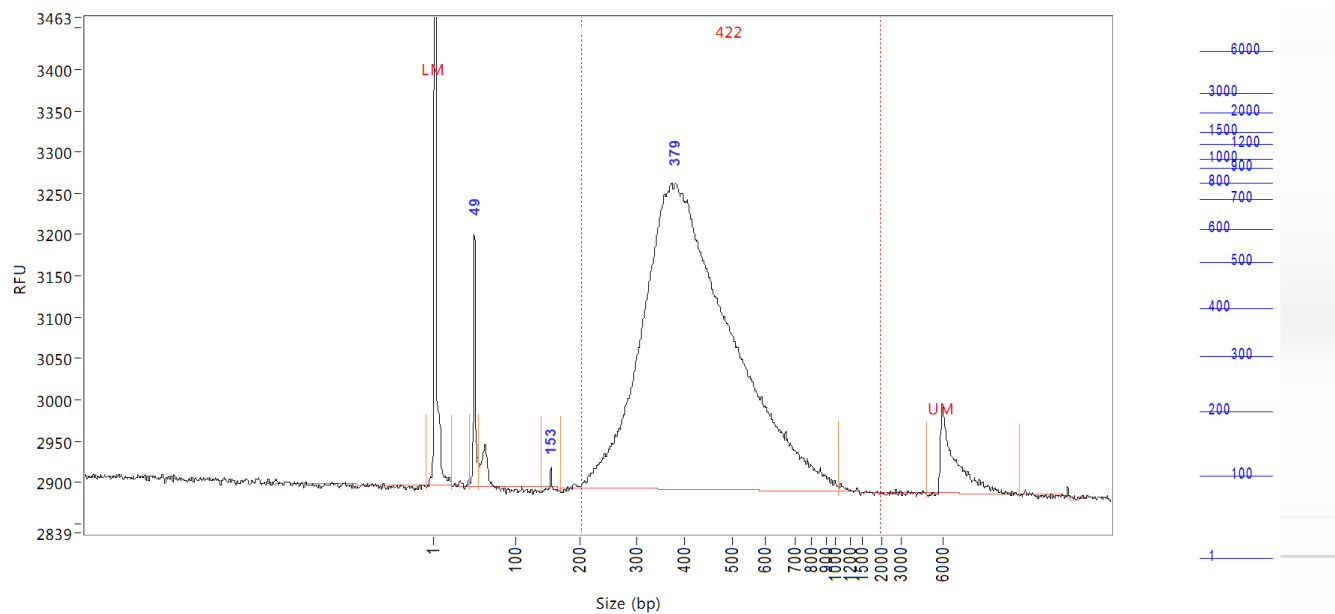
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L2**Well Location:** B1**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	16	2	160.87	847	5.734
49	0.0584	38	98	57	14.06	53	0.891
303	4.6030	199	1016	383	28.09	398	70.258
6000 (UM)	0.0052	4835	8021	6704	10.40	45	0.945
TIC:		4.6614	ng/uL				
TIM:		26.930	nmole/L				
Total Conc.:		4.6816	ng/uL				

Smear Analysis 200 bp to 2000 bp 4.6101 ng/uL 98.5 %Total 19.755 nmole/L 384 Avg. Size (b.p.) 29.57 %CV

Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

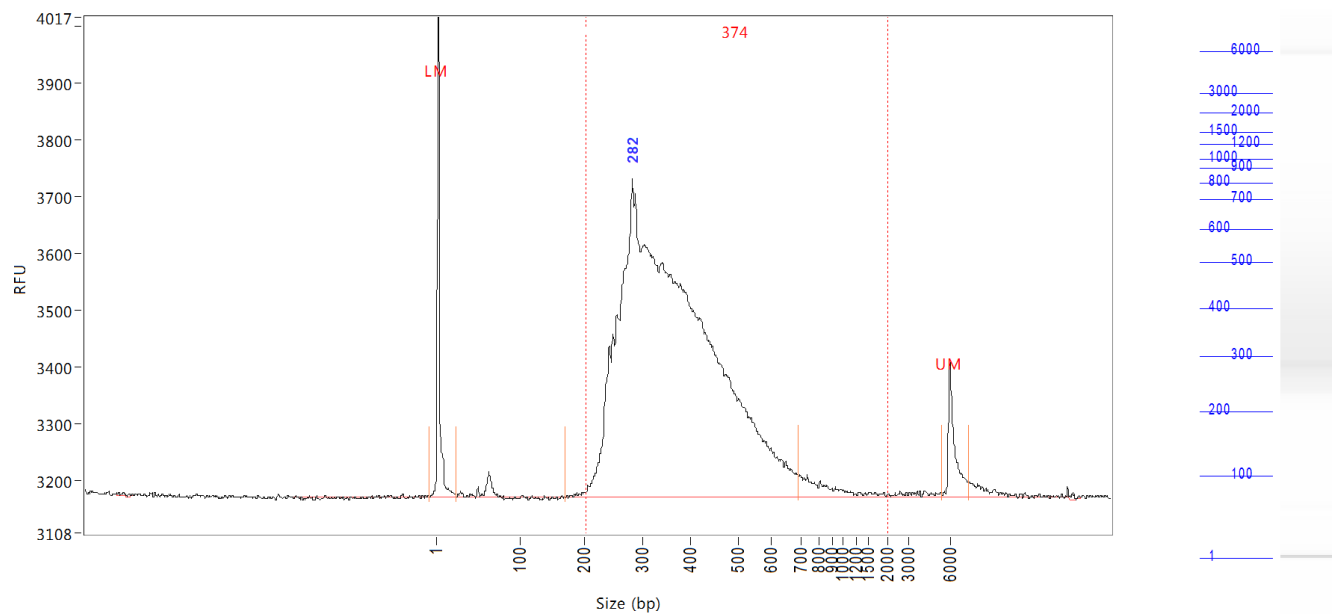
Sample: 5003-L3**Well Location:** C1**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	22	2	175.69	1160	7.514
49	0.0903	44	55	49	4.15	304	1.806
153	0.0040	139	169	153	0.57	24	0.079
379	3.1364	169	1041	421	26.92	371	62.732
6000 (UM)	0.0084	4885	11593	7014	15.59	103	2.019

TIC: 3.2307 ng/uL
 TIM: 16.665 nmole/L
 Total Conc.: 3.2824 ng/uL

Smear Analysis 200 bp to 2000 bp 3.1391 ng/uL 95.6 %Total 12.237 nmole/L 422 Avg. Size (b.p.) 27.74 %CV

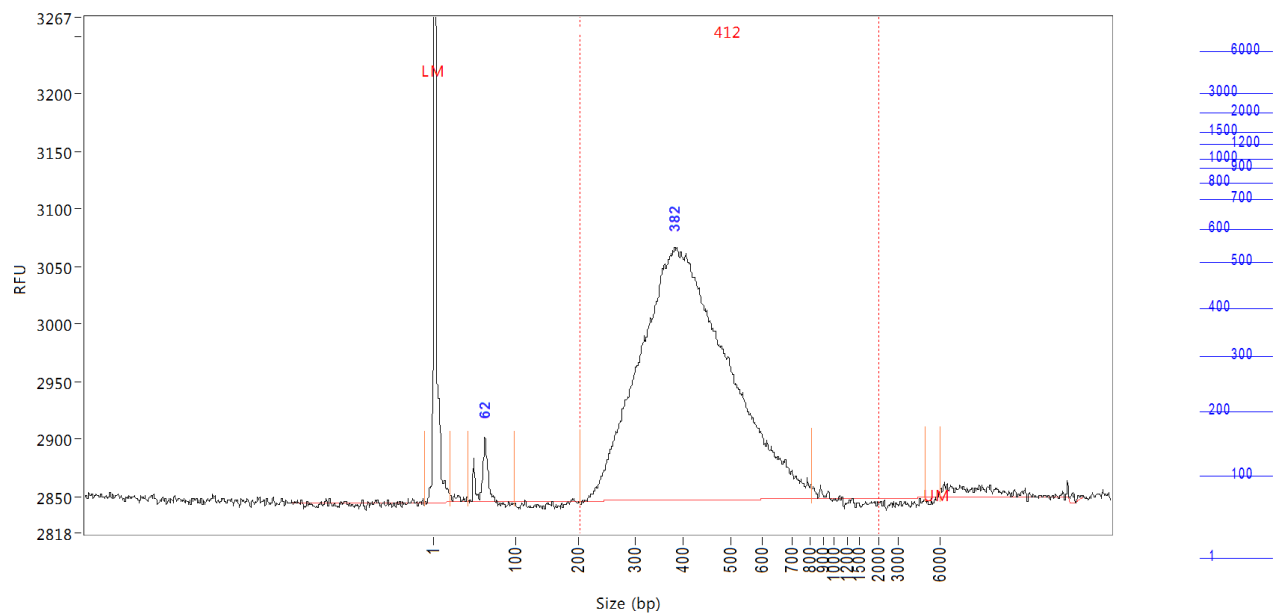
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
 Manual Baseline Start (min): 10 Manual Baseline End (min): 48
 Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
 Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L4**Well Location:** D1**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	23	2	172.20	975	6.536
282	5.0843	169	692	364	26.55	561	88.448
6000 (UM)	0.0096	5455	7331	6269	6.28	237	2.007
TIC:		5.0843	ng/uL				
TIM:		29.644	nmole/L				
Total Conc.:		5.2438	ng/uL				

Smear Analysis 200 bp to 2000 bp 5.1687 ng/uL 98.6 %Total 22.746 nmole/L 374 Avg. Size (b.p.) 33.47 %CV

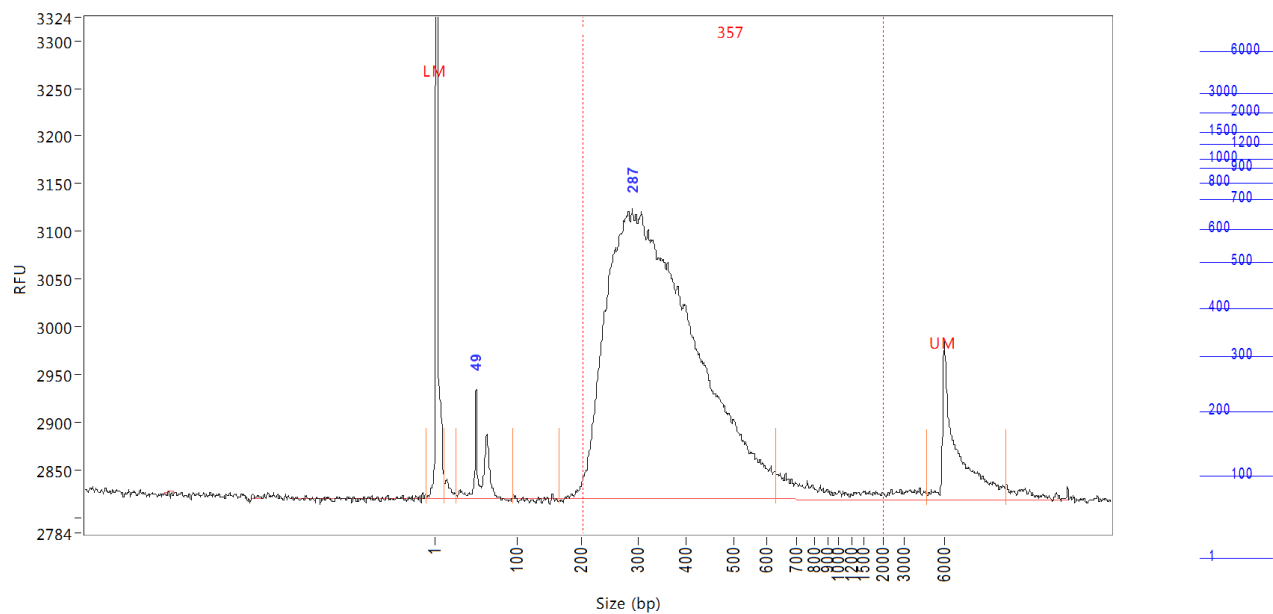
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L5**Well Location:** E1**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	21	2	205.57	1181	8.026
62	0.0485	43	99	60	11.28	56	1.037
382	1.7590	202	813	410	24.37	220	37.579
6000 (UM)	0.0000	5033	6025	5976	1.11	3	0.005
TIC:		1.8075	ng/uL				
TIM:		8.847	nmole/L				
Total Conc.:		1.8222	ng/uL				

Smear Analysis 200 bp to 2000 bp 1.7651 ng/uL 96.9 %Total 7.055 nmole/L 412 Avg. Size (b.p.) 25.12 %CV

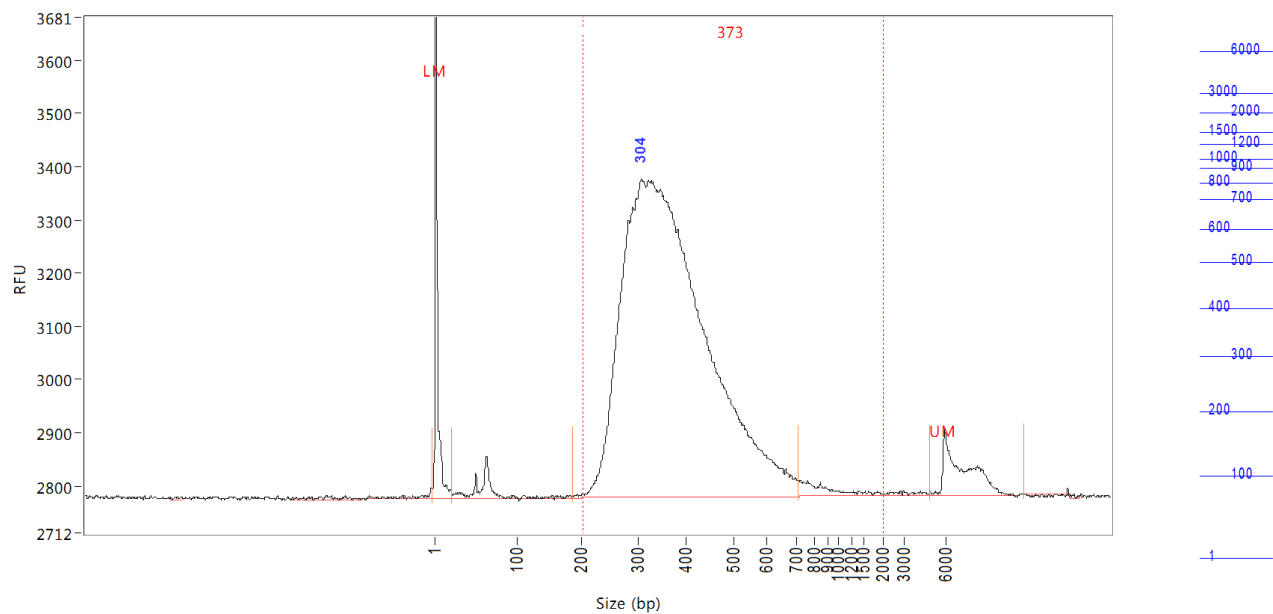
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L6**Well Location:** F1**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	11	2	154.66	1221	8.009
49	0.0929	26	94	55	18.95	114	1.981
287	2.5617	165	632	340	25.48	305	54.610
6000 (UM)	0.0120	4761	10435	7102	17.73	165	3.065
TIC:		2.6547	ng/uL				
TIM:		17.740	nmole/L				
Total Conc.:		2.7655	ng/uL				

Smear Analysis 200 bp to 2000 bp 2.6253 ng/uL 94.9 %Total 12.111 nmole/L 357 Avg. Size (b.p.) 38.60 %CV

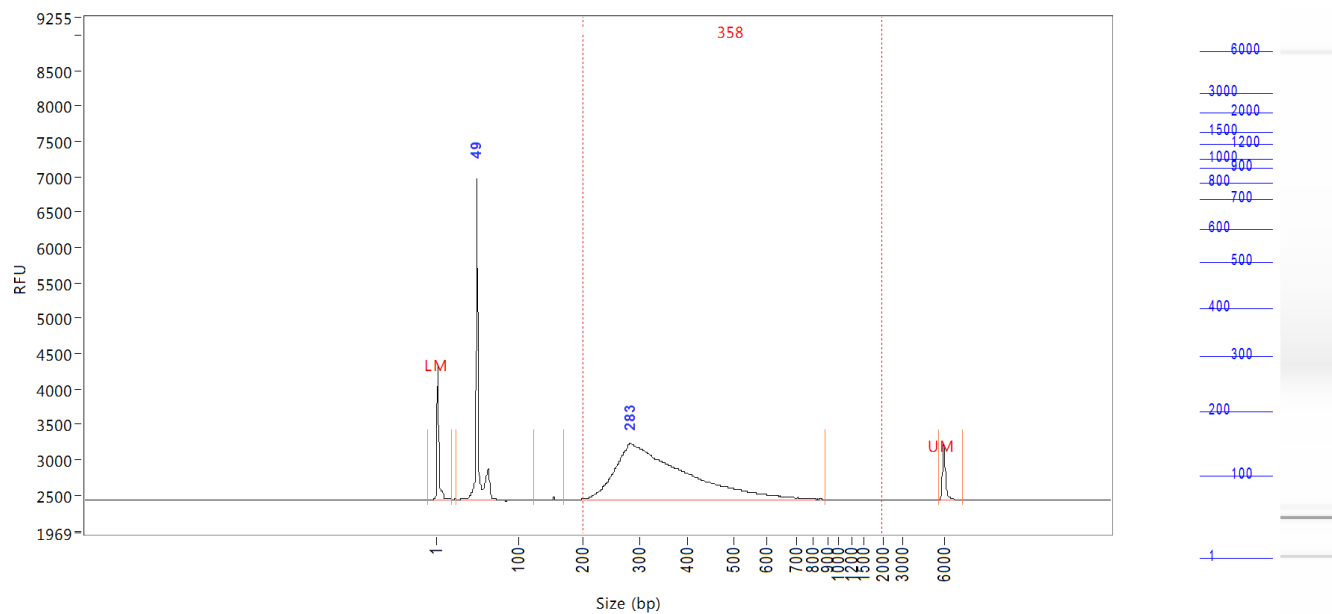
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L7**Well Location:** G1**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	21	2	165.59	1406	9.486
304	3.9613	187	709	365	24.20	599	100.018
6000 (UM)	0.0107	4885	11717	7322	15.98	122	3.243
TIC:		3.9613	ng/uL				
TIM:		21.445	nmole/L				
Total Conc.:		4.1171	ng/uL				

Smear Analysis 200 bp to 2000 bp 4.0111 ng/ul 97.4 %Total 17.685 nmole/L 373 Avg. Size (b.p.) 31.22 %CV

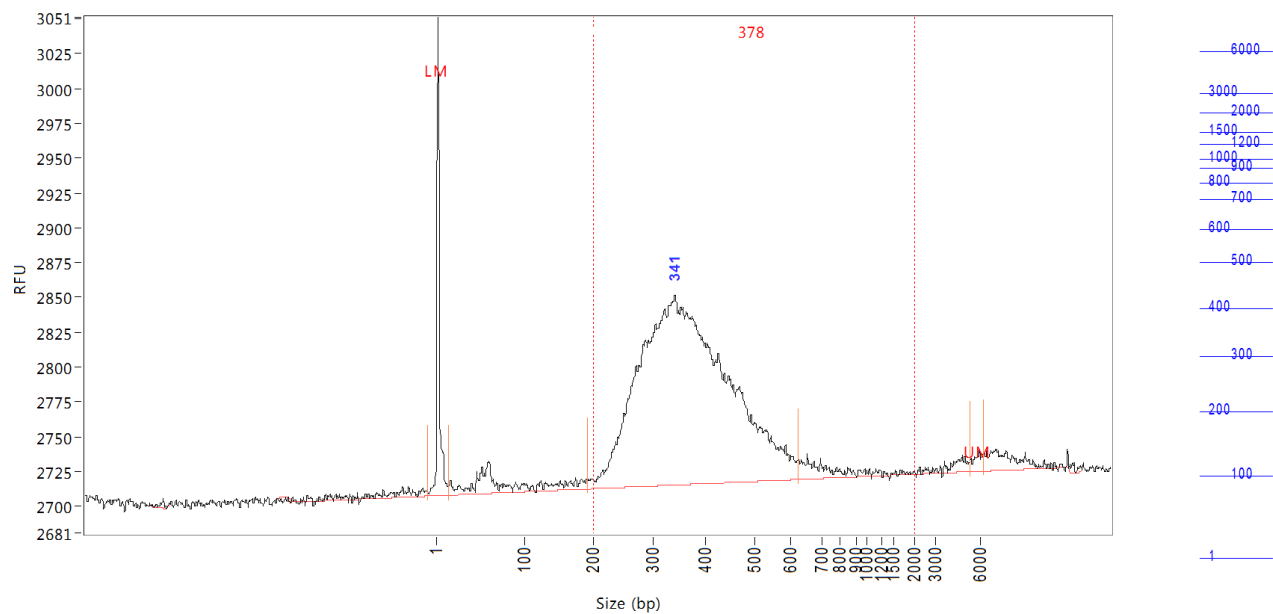
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L8**Well Location:** H1**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	20	2	187.44	1932	12.499
49	1.0094	25	125	50	12.61	4550	33.580
283	3.4437	169	881	352	27.84	806	114.565
6000 (UM)	0.0088	5678	7404	6056	3.88	788	3.496
TIC:		4.4530	ng/uL				
TIM:		54.082	nmole/L				
Total Conc.:		4.5018	ng/uL				

Smear Analysis 200 bp to 2000 bp 3.4507 ng/uL 76.7 %Total 15.866 nmole/L 358 Avg. Size (b.p.) 33.77 %CV

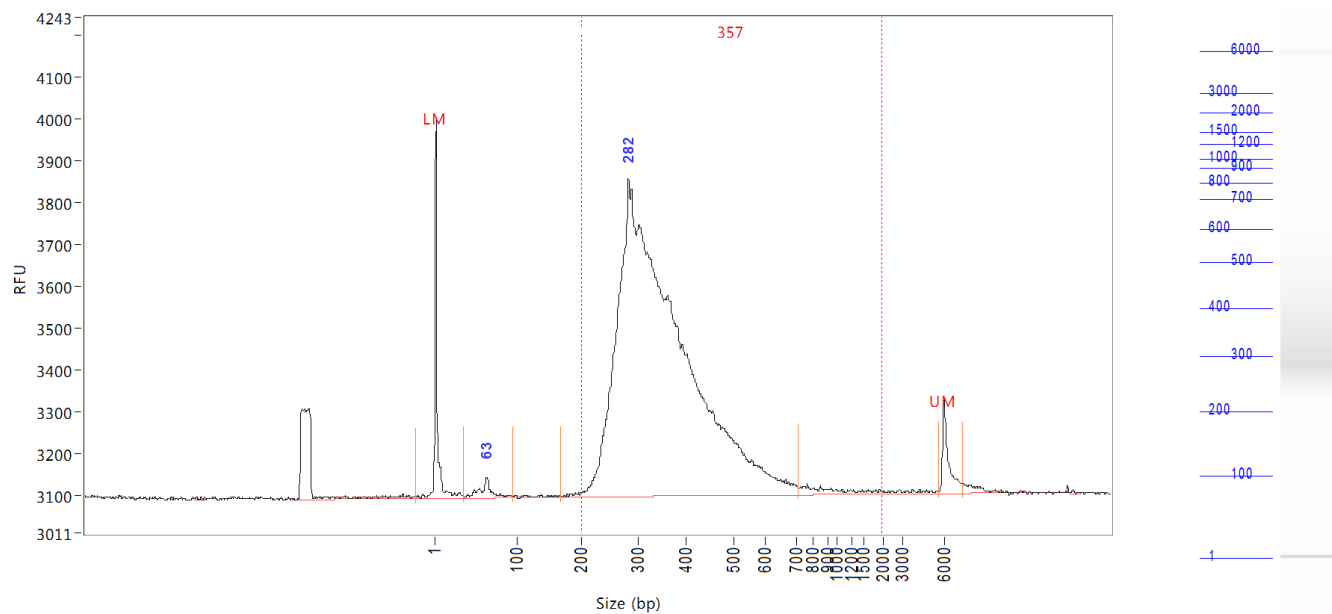
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L9**Well Location:** A2**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	13	1	238.34	406	2.909
341	3.0301	193	625	364	23.15	136	23.458
6000 (UM)	0.0017	5331	6246	5830	4.57	15	0.156
TIC:		3.0301	ng/uL				
TIM:		14.623	nmole/L				
Total Conc.:		3.4075	ng/uL				

Smear Analysis 200 bp to 2000 bp 3.1155 ng/ul 91.4 %Total 13.564 nmole/L 378 Avg. Size (b.p.) 32.33 %CV

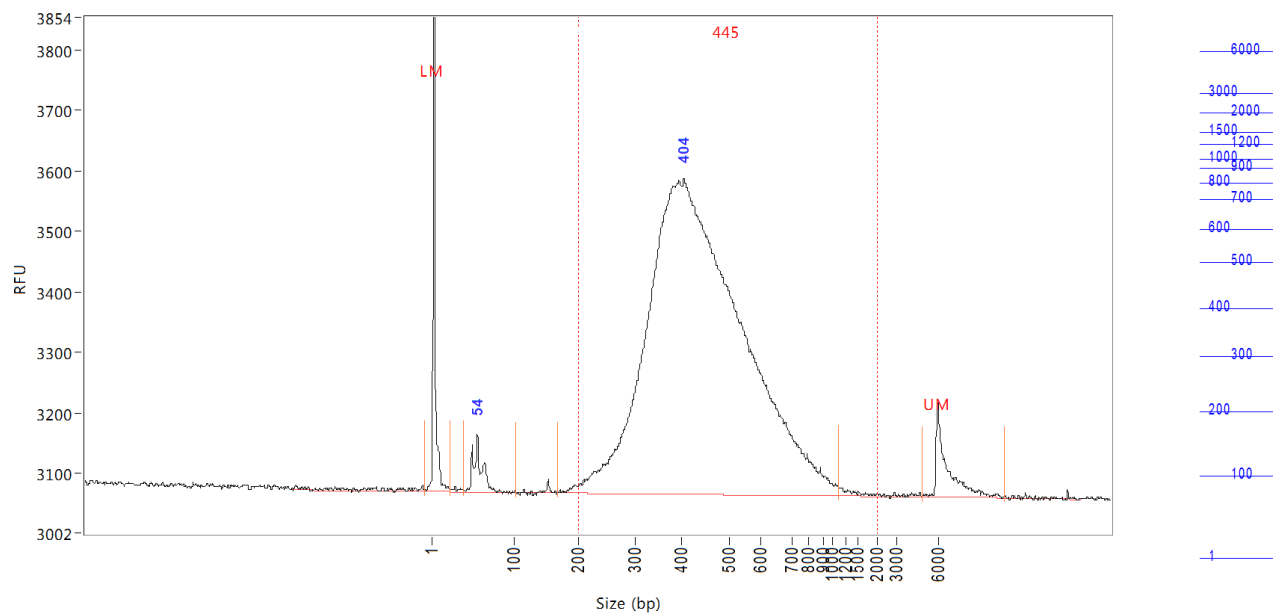
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L10**Well Location:** B2**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	36	3	251.74	910	6.858
63	0.0809	36	94	61	19.43	49	1.477
282	5.2710	169	711	348	24.60	760	96.217
6000 (UM)	0.0082	5628	7355	6266	6.36	224	1.806
TIC:		5.3519	ng/uL				
TIM:		32.843	nmole/L				
Total Conc.:		5.4522	ng/uL				

Smear Analysis 200 bp to 2000 bp 5.3256 ng/uL 97.7 %Total 24.520 nmole/L 357 Avg. Size (b.p.) 33.85 %CV

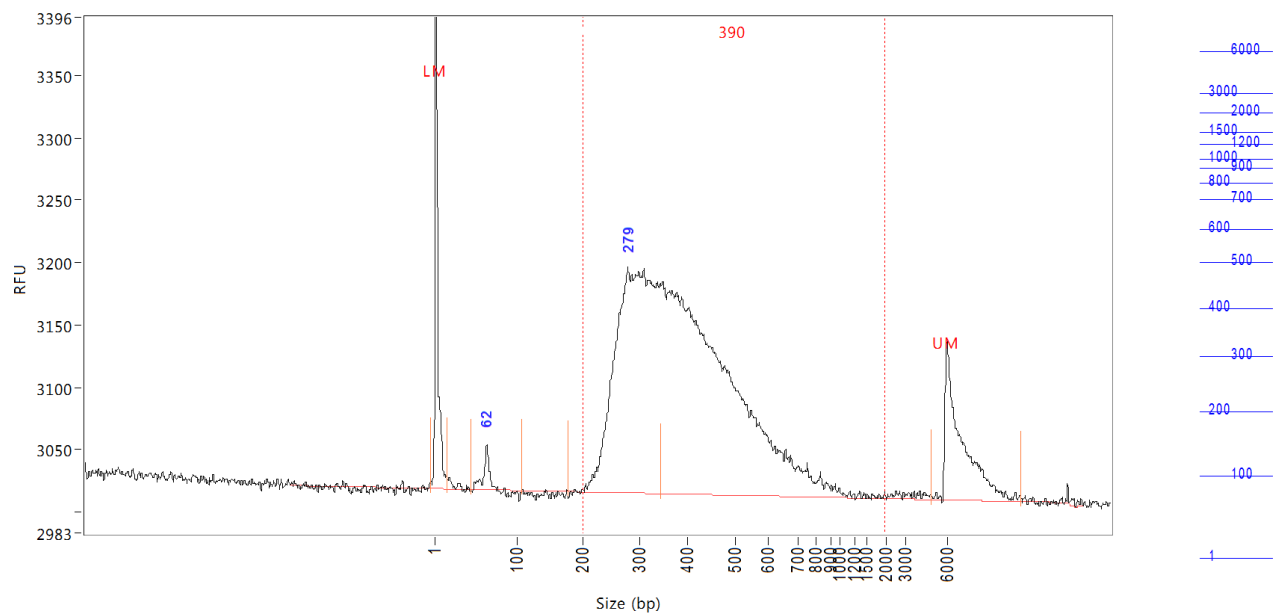
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L11**Well Location:** C2**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	23	2	189.22	884	6.018
54	0.1418	39	103	56	15.51	96	2.271
404	5.8191	167	1096	441	27.52	522	93.208
6000 (UM)	0.0117	4835	10879	6830	15.69	155	2.246
TIC:		5.9608	ng/uL				
TIM:		27.986	nmole/L				
Total Conc.:		6.0081	ng/uL				

Smear Analysis 200 bp to 2000 bp 5.8200 ng/uL 96.9 %Total 21.538 nmole/L 445 Avg. Size (b.p.) 29.56 %CV

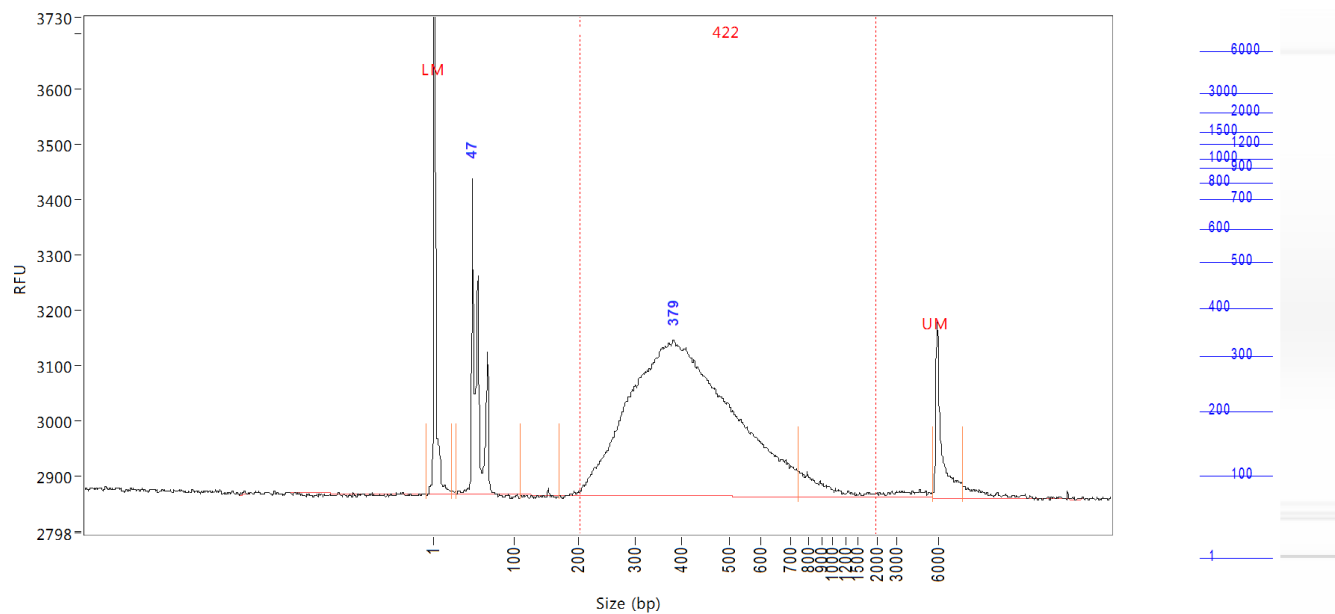
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L12**Well Location:** D2**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	15	2	156.35	841	5.422
62	0.0412	45	107	60	10.64	36	0.595
279	1.1258	178	345	291	10.75	181	16.249
6000 (UM)	0.0159	4860	11347	7079	16.75	127	2.751
TIC:		1.1671	ng/uL				
TIM:		7.739	nmole/L				
Total Conc.:		2.6756	ng/uL				

Smear Analysis 200 bp to 2000 bp 2.6096 ng/uL 97.5 %Total 10.996 nmole/L 390 Avg. Size (b.p.) 33.51 %CV

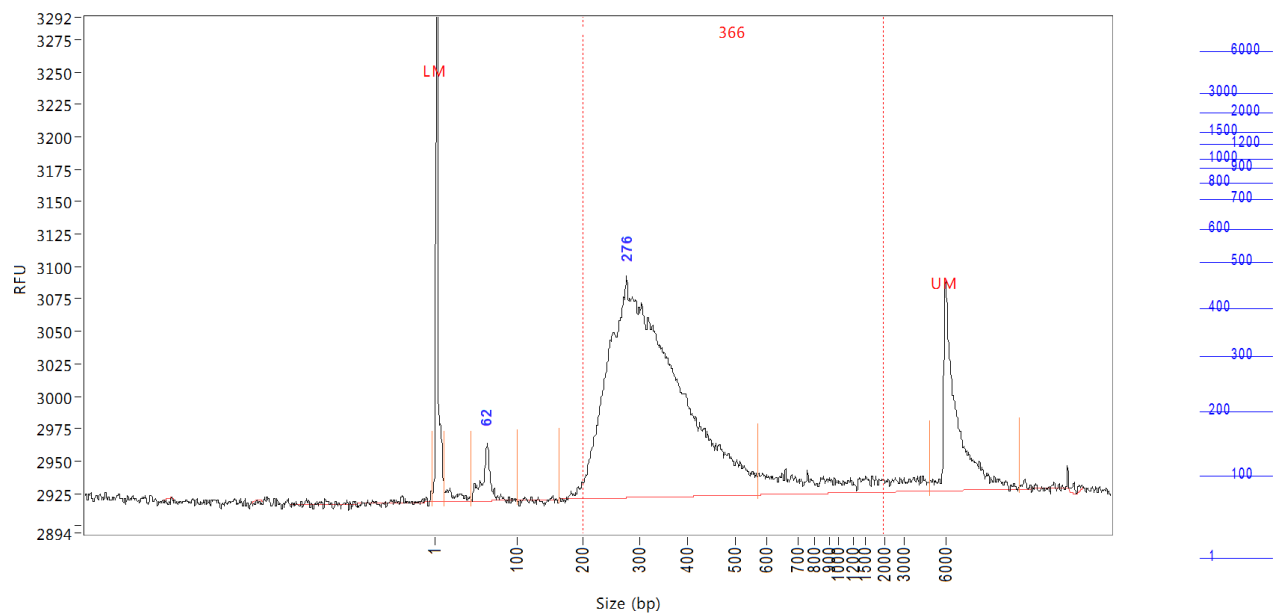
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 3 Marker Min Peak Height: 47 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L13**Well Location:** E2**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	22	2	193.17	1146	7.650
47	0.4405	29	108	54	13.60	571	8.970
379	2.7628	168	743	404	27.07	281	56.256
6000 (UM)	0.0104	5727	7873	6379	8.53	318	2.546
TIC:		3.2034	ng/uL				
TIM:		27.225	nmole/L				
Total Conc.:		3.3239	ng/uL				

Smear Analysis 200 bp to 2000 bp 2.8460 ng/uL 85.6 %Total 11.106 nmole/L 422 Avg. Size (b.p.) 36.09 %CV

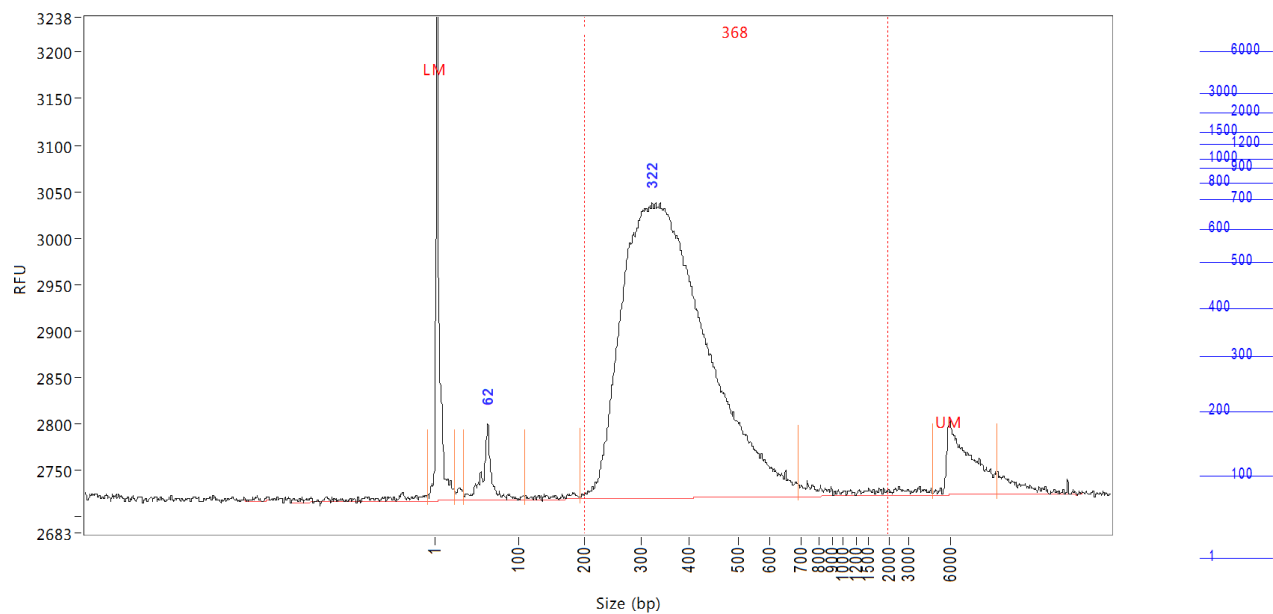
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L14**Well Location:** F2**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	11	1	170.94	713	4.583
62	0.0822	44	100	60	13.87	44	1.002
276	1.9979	164	571	324	23.45	171	24.373
6000 (UM)	0.0191	4909	11322	6881	16.33	161	2.790
TIC:		2.0801	ng/uL				
TIM:		14.058	nmole/L				
Total Conc.:		2.2972	ng/uL				

Smear Analysis 200 bp to 2000 bp 2.1308 ng/uL 92.8 %Total 9.574 nmole/L 366 Avg. Size (b.p.) 53.23 %CV

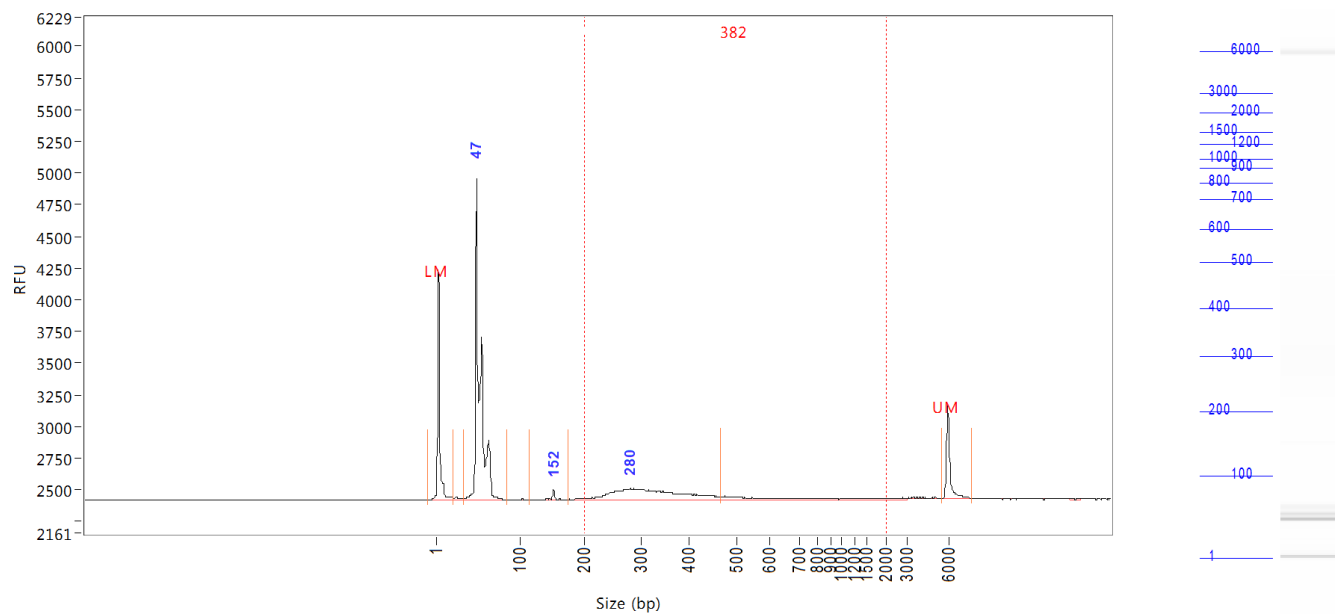
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L15**Well Location:** G2**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	24	2	206.92	1450	10.046
62	0.0770	34	109	61	20.49	83	2.060
322	2.0142	194	691	359	23.52	317	53.862
6000 (UM)	0.0078	4686	9327	7050	14.77	79	2.508
TIC:		2.0913	ng/uL				
TIM:		12.351	nmole/L				
Total Conc.:		2.1491	ng/uL				

Smear Analysis 200 bp to 2000 bp 2.0394 ng/uL 94.9 %Total 9.128 nmole/L 368 Avg. Size (b.p.) 32.94 %CV

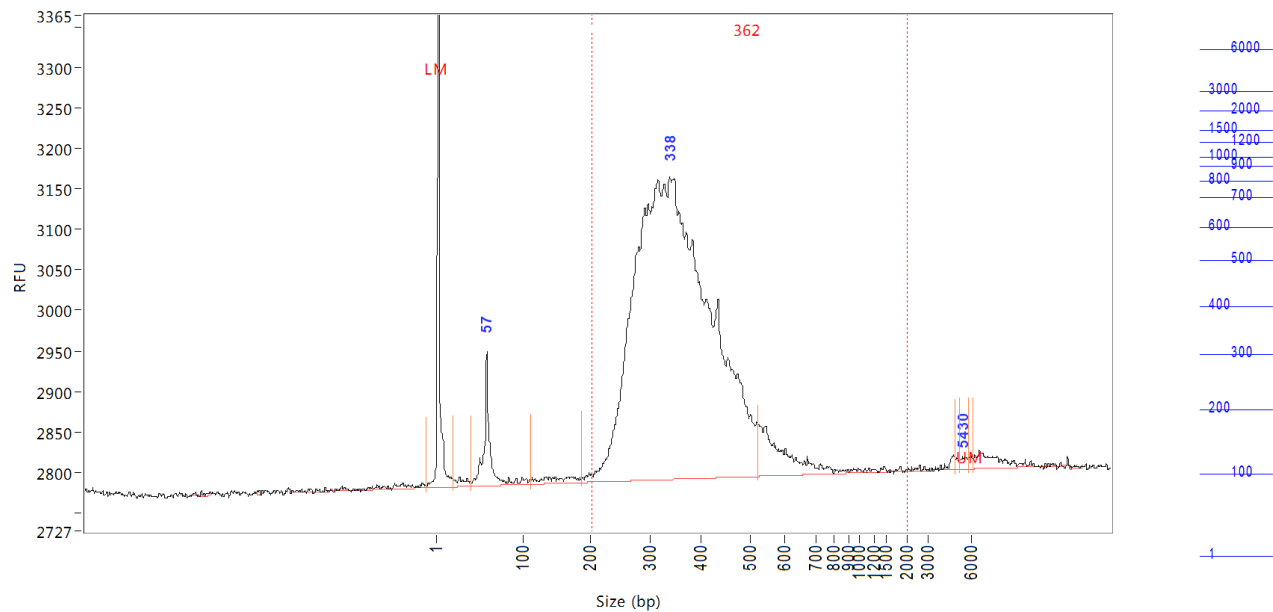
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L16**Well Location:** H2**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	20	2	176.42	1811	11.876
47	1.0477	32	84	51	11.53	2536	33.120
152	0.0155	115	174	151	4.89	82	0.491
280	0.3787	174	466	316	20.14	86	11.970
6000 (UM)	0.0097	5603	7676	6125	5.64	732	3.696
TIC:		1.4419	ng/uL				
TIM:		38.954	nmole/L				
Total Conc.:		1.5418	ng/uL				

Smear Analysis 200 bp to 2000 bp 0.4382 ng/uL 28.4 %Total 1.888 nmole/L 382 Avg. Size (b.p.) 58.12 %CV

Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

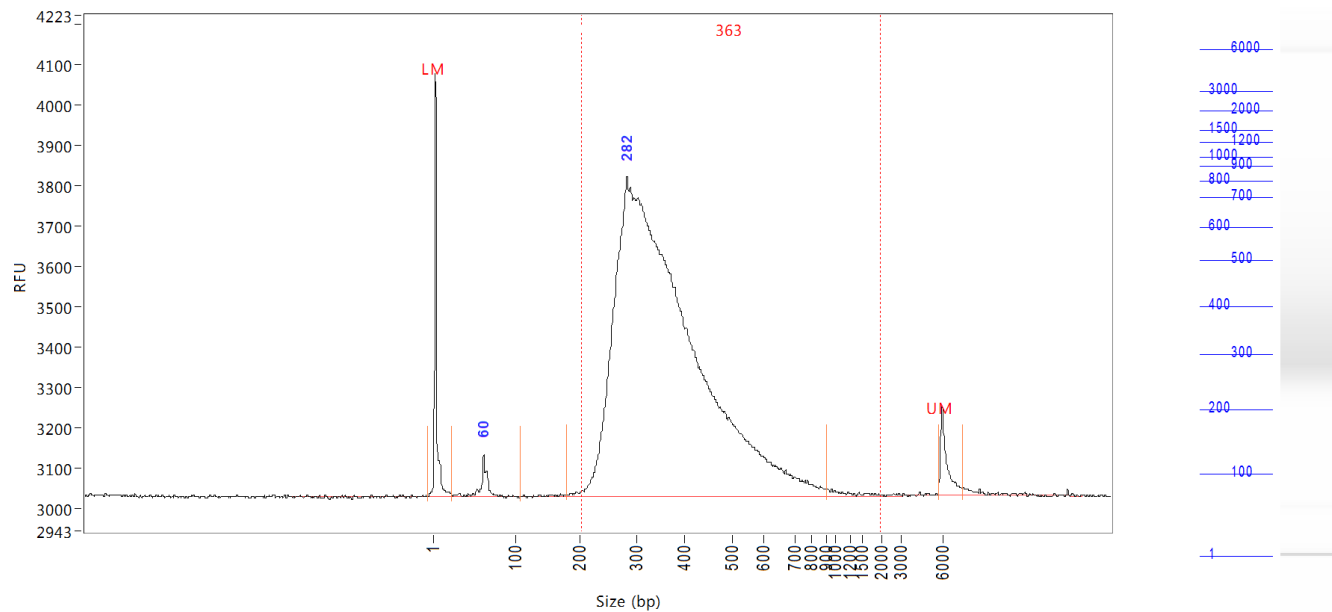
Sample: 5003-L17**Well Location:** A3**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	20	2	197.98	761	5.458
57	0.1814	40	112	61	22.67	166	2.635
338	3.8960	186	521	347	19.44	374	56.604
5430	0.0147	4860	5802	5339	5.26	16	0.214
6000 (UM)	0.0013	5182	6148	5671	4.92	17	0.221

TIC: 4.0921 ng/uL
TIM: 24.169 nmole/L
Total Conc.: 4.3641 ng/uL

Smear Analysis 200 bp to 2000 bp 4.0905 ng/uL 93.7 %Total 18.597 nmole/L 362 Avg. Size (b.p.) 27.85 %CV

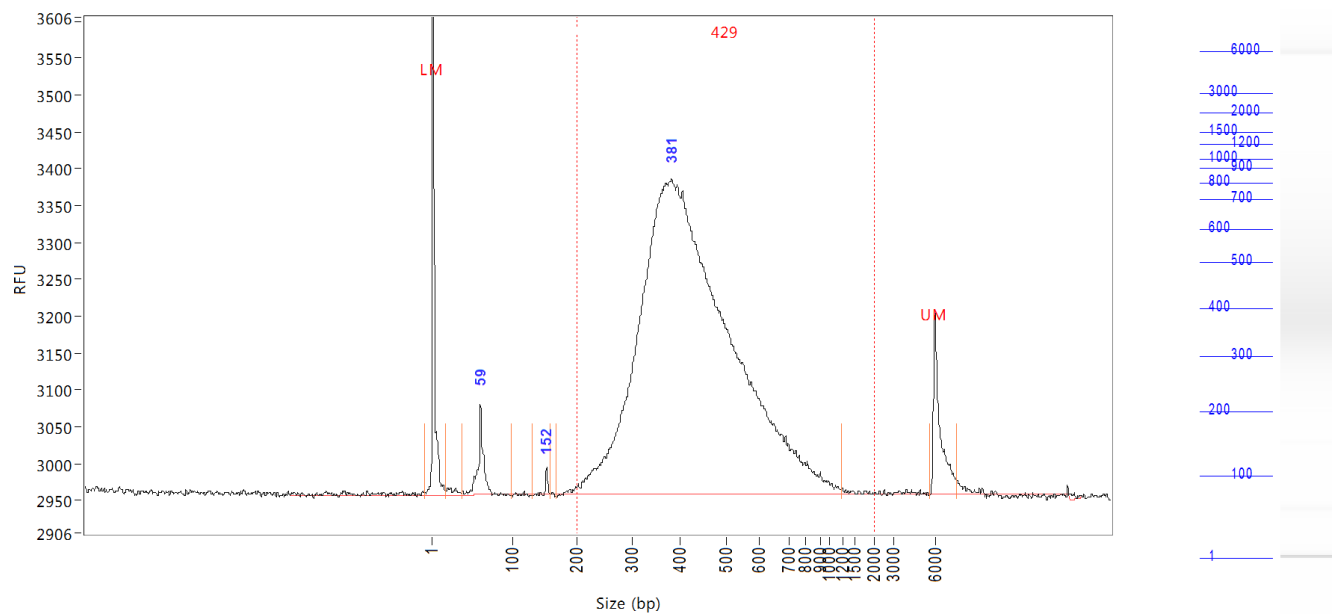
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L18**Well Location:** B3**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	22	2	172.28	1050	7.004
60	0.0869	22	107	58	16.86	103	1.621
282	6.4580	179	900	360	28.12	793	120.395
6000 (UM)	0.0085	5727	7478	6293	6.55	221	1.891
TIC:		6.5449	ng/uL				
TIM:		40.125	nmole/L				
Total Conc.:		6.5844	ng/uL				

Smear Analysis 200 bp to 2000 bp 6.4732 ng/uL 98.3 %Total 29.309 nmole/L 363 Avg. Size (b.p.) 31.58 %CV

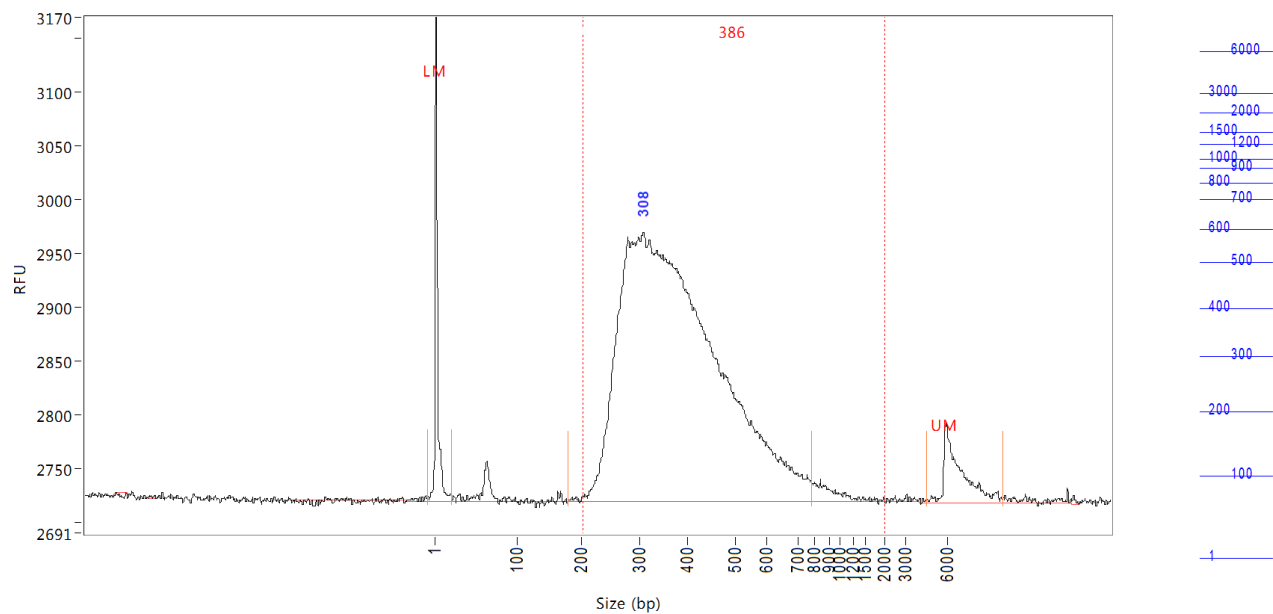
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L19**Well Location:** C3**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	18	2	152.89	905	6.155
59	0.1094	39	98	59	10.30	123	1.792
152	0.0119	130	158	150	2.86	37	0.195
381	4.5151	167	1185	426	28.41	429	73.967
6000 (UM)	0.0113	5653	7552	6348	6.98	245	2.226
TIC:		4.6364	ng/uL				
TIM:		22.668	nmole/L				
Total Conc.:		4.6720	ng/uL				

Smear Analysis 200 bp to 2000 bp 4.5128 ng/uL 96.6 %Total 17.322 nmole/L 429 Avg. Size (b.p.) 30.10 %CV

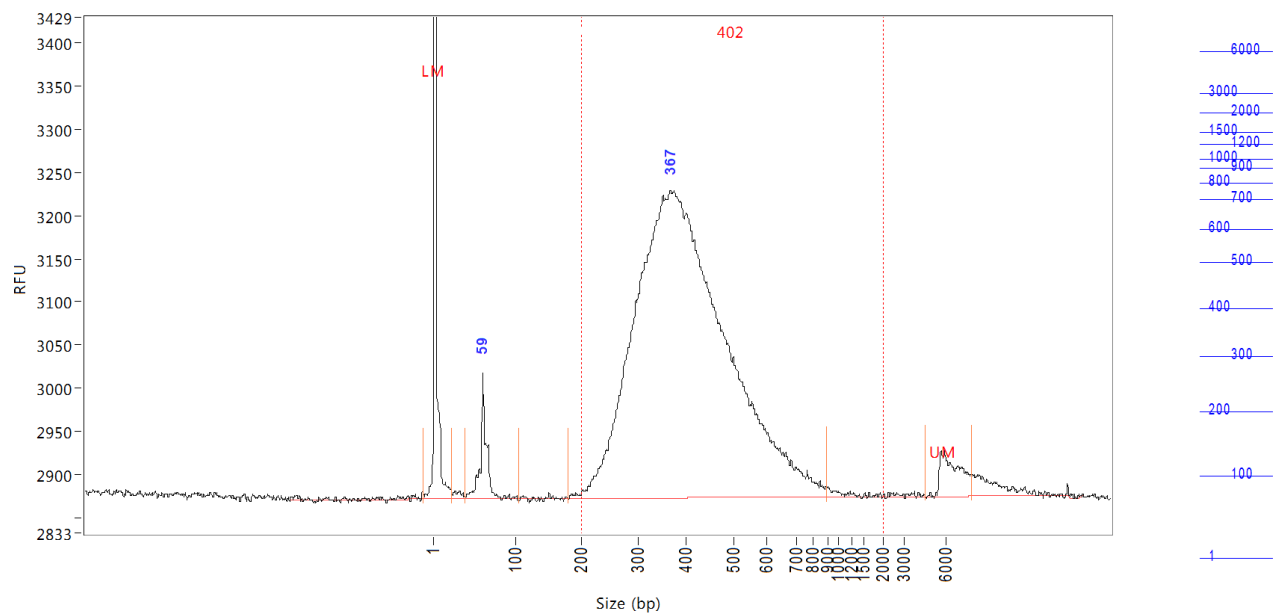
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L20**Well Location:** D3**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	20	2	168.34	597	4.100
308	4.3843	179	780	377	27.45	250	47.848
6000 (UM)	0.0124	4587	10115	6947	15.74	72	1.628
TIC:		4.3843	ng/uL				
TIM:		23.406	nmole/L				
Total Conc.:		4.5507	ng/uL				

Smear Analysis	200 bp to 2000 bp	4.4433 ng/ul	97.6 %Total	18.934 nmole/L	386 Avg. Size (b.p.)	33.82 %CV
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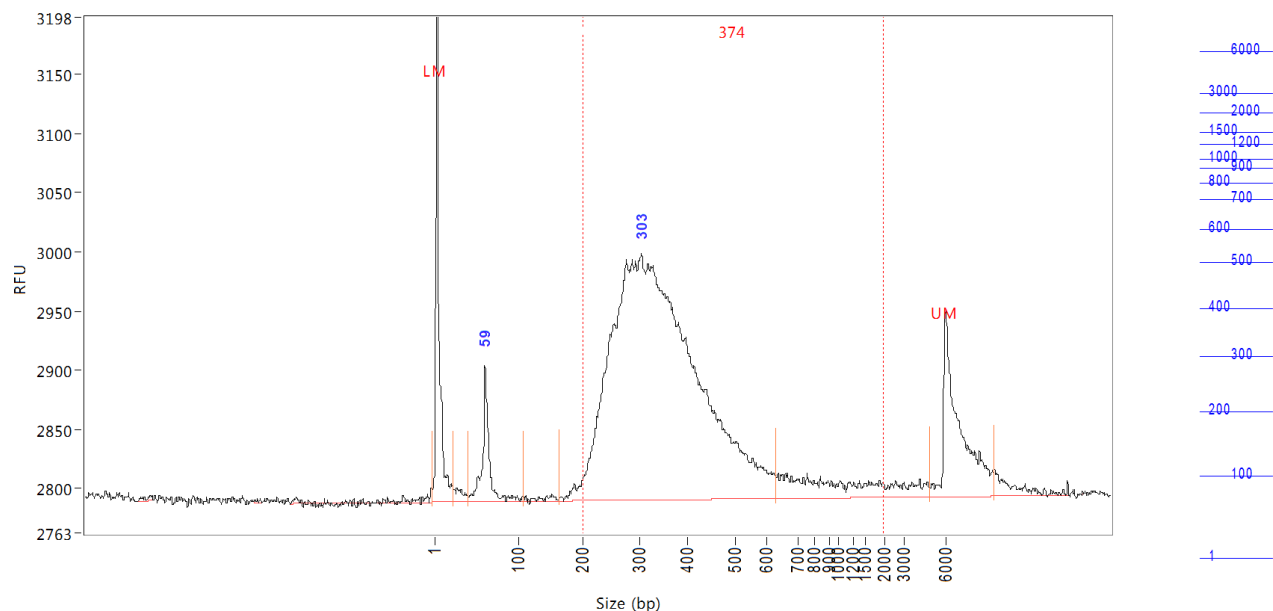
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
 Manual Baseline Start (min): 10 Manual Baseline End (min): 48
 Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
 Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L21**Well Location:** E3**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	22	2	215.39	1261	8.662
59	0.1044	38	104	60	14.20	145	2.407
367	2.7141	179	895	398	26.03	355	62.575
6000 (UM)	0.0048	4637	7897	6562	10.68	53	1.342
TIC:		2.8185	ng/uL				
TIM:		15.095	nmole/L				
Total Conc.:		2.8474	ng/uL				

Smear Analysis 200 bp to 2000 bp 2.7199 ng/uL 95.5 %Total 11.146 nmole/L 402 Avg. Size (b.p.) 28.63 %CV

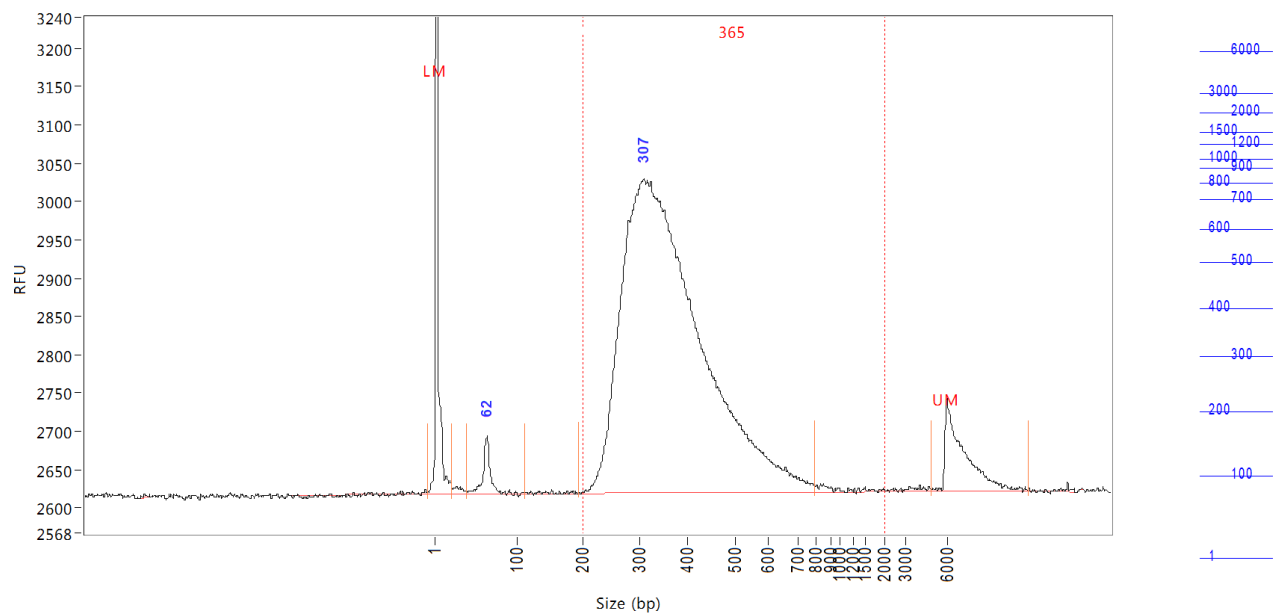
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L22**Well Location:** F3**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	21	2	190.02	1102	7.629
59	0.1047	40	109	61	17.90	115	2.127
303	1.7748	163	631	340	25.33	208	36.043
6000 (UM)	0.0135	4909	9499	6961	14.89	157	3.295
TIC:		1.8795	ng/uL				
TIM:		12.532	nmole/L				
Total Conc.:		2.0251	ng/uL				

Smear Analysis 200 bp to 2000 bp 1.8500 ng/uL 91.3 %Total 8.137 nmole/L 374 Avg. Size (b.p.) 49.57 %CV

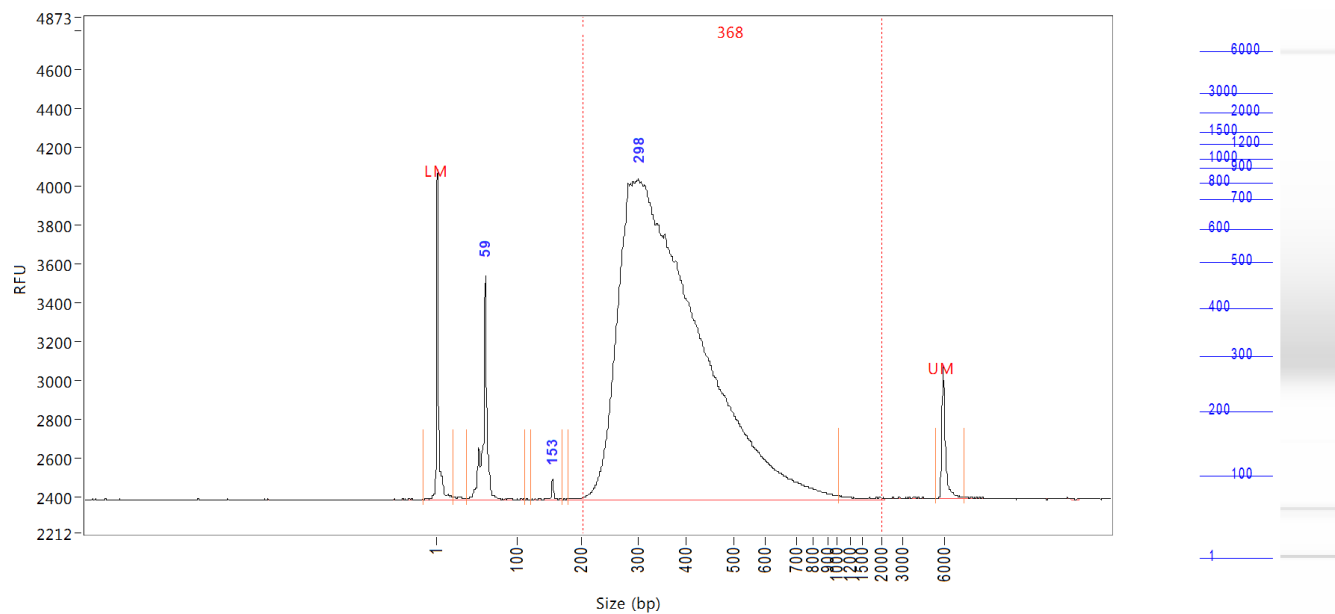
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L23**Well Location:** G3**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	21	2	175.27	1436	9.629
62	0.0617	39	112	62	15.50	76	1.580
307	2.5019	193	794	361	24.89	410	64.121
6000 (UM)	0.0097	4860	11914	7155	16.99	122	2.985
TIC:		2.5636	ng/uL				
TIM:		15.018	nmole/L				
Total Conc.:		2.5982	ng/uL				

Smear Analysis 200 bp to 2000 bp 2.5143 ng/uL 96.8 %Total 11.339 nmole/L 365 Avg. Size (b.p.) 28.90 %CV

Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

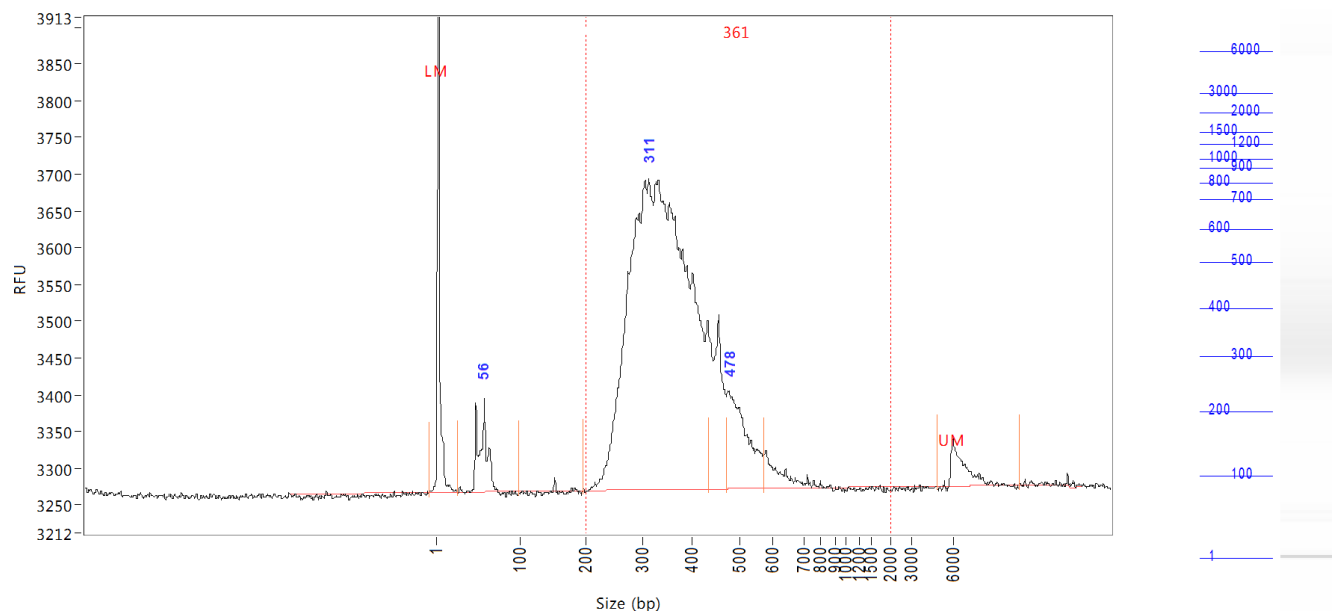
Sample: 5003-L24**Well Location:** H3**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	22	2	216.11	1701	11.531
59	0.4139	38	110	58	11.09	1152	12.702
153	0.0209	119	168	150	5.12	109	0.641
298	8.6524	178	1031	366	27.27	1657	265.561
6000 (UM)	0.0096	5529	7552	6120	5.03	685	3.520

TIC: 9.0871 ng/uL
 TIM: 59.417 nmole/L
 Total Conc.: 9.1296 ng/uL

Smear Analysis 200 bp to 2000 bp 8.6620 ng/uL 94.9 %Total 38.708 nmole/L 368 Avg. Size (b.p.) 29.61 %CV

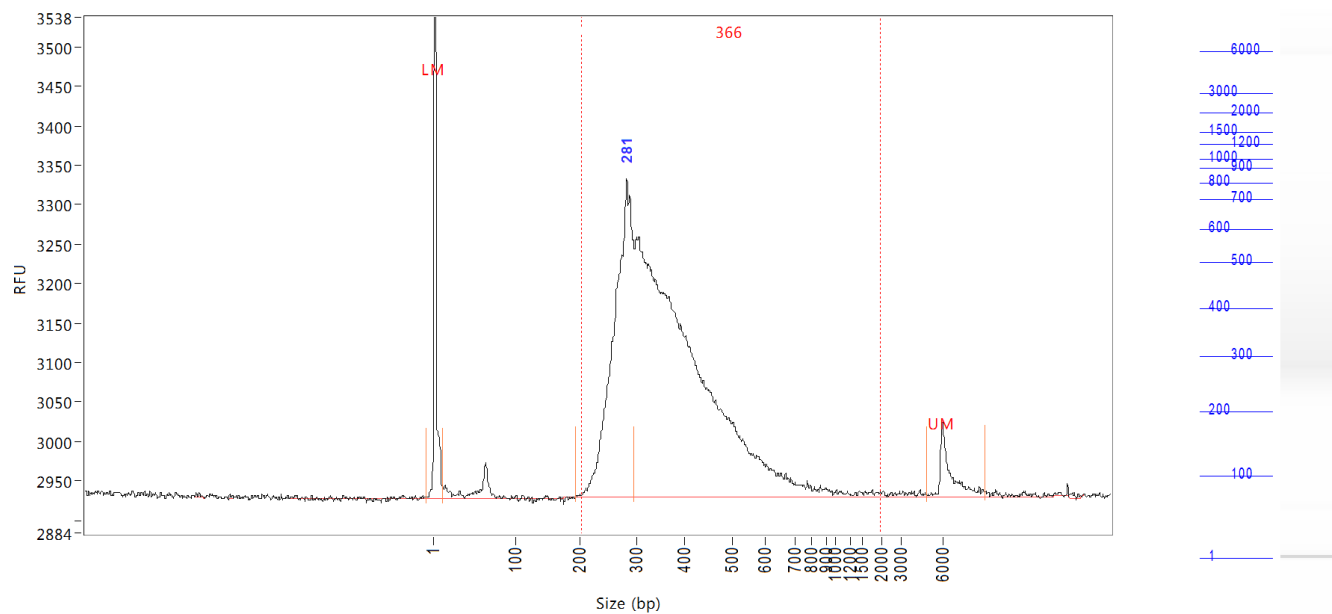
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
 Manual Baseline Start (min): 10 Manual Baseline End (min): 48
 Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
 Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L25**Well Location:** A4**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	24	2	203.16	948	6.323
56	0.1766	24	97	53	13.25	127	2.972
311	3.1522	195	436	333	15.20	423	53.052
478	0.2833	473	576	509	5.63	133	4.768
6000 (UM)	0.0055	4885	10780	6720	12.01	64	1.107
TIC:		3.6120	ng/uL				
TIM:		22.826	nmole/L				
Total Conc.:		3.9776	ng/uL				

Smear Analysis 200 bp to 2000 bp 3.7954 ng/uL 95.4 %Total 17.296 nmole/L 361 Avg. Size (b.p.) 22.59 %CV

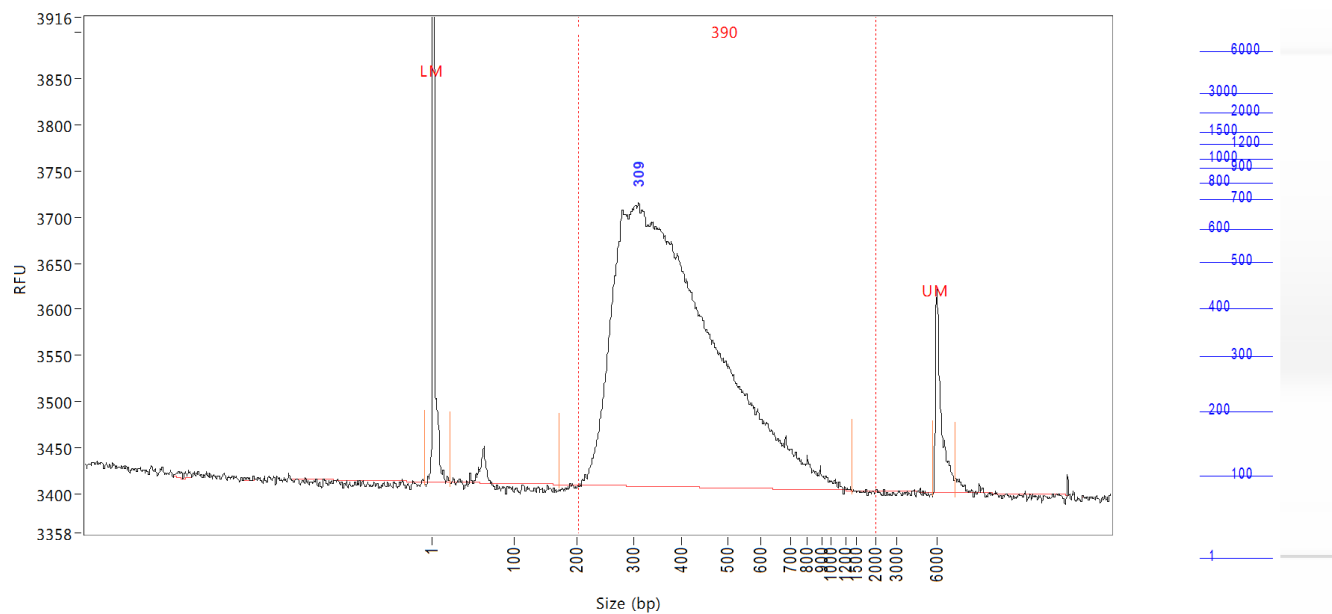
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L26**Well Location:** B4**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	12	1	195.31	937	6.286
281	1.0099	194	295	268	7.09	404	16.897
6000 (UM)	0.0062	4885	9154	6634	13.03	95	1.249
TIC:		1.0099	ng/uL				
TIM:		5.913	nmole/L				
Total Conc.:		3.4432	ng/uL				

Smear Analysis 200 bp to 2000 bp 3.3506 ng/uL 97.3 %Total 15.041 nmole/L 366 Avg. Size (b.p.) 35.35 %CV

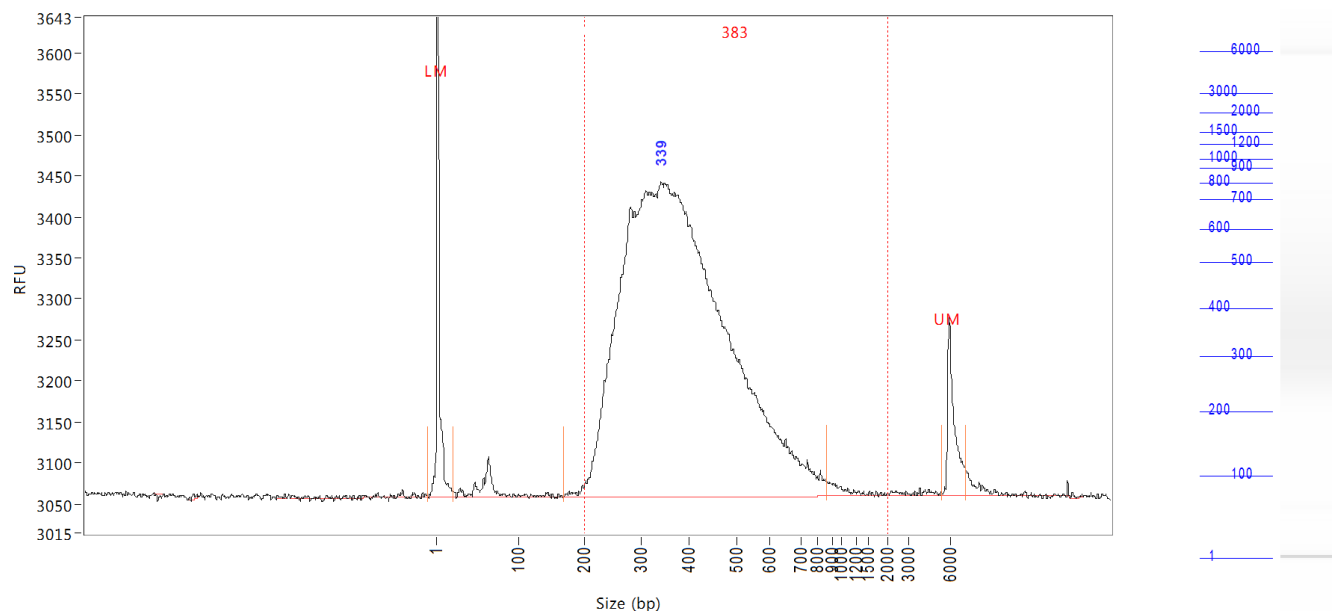
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L27**Well Location:** C4**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	23	2	173.74	1023	6.640
309	3.4124	172	1368	390	31.48	307	60.315
6000 (UM)	0.0082	5703	7331	6245	5.81	219	1.730
TIC:		3.4124	ng/uL				
TIM:		18.176	nmole/L				
Total Conc.:		3.4530	ng/uL				

Smear Analysis 200 bp to 2000 bp 3.4125 ng/uL 98.8 %Total 14.410 nmole/L 390 Avg. Size (b.p.) 31.58 %CV

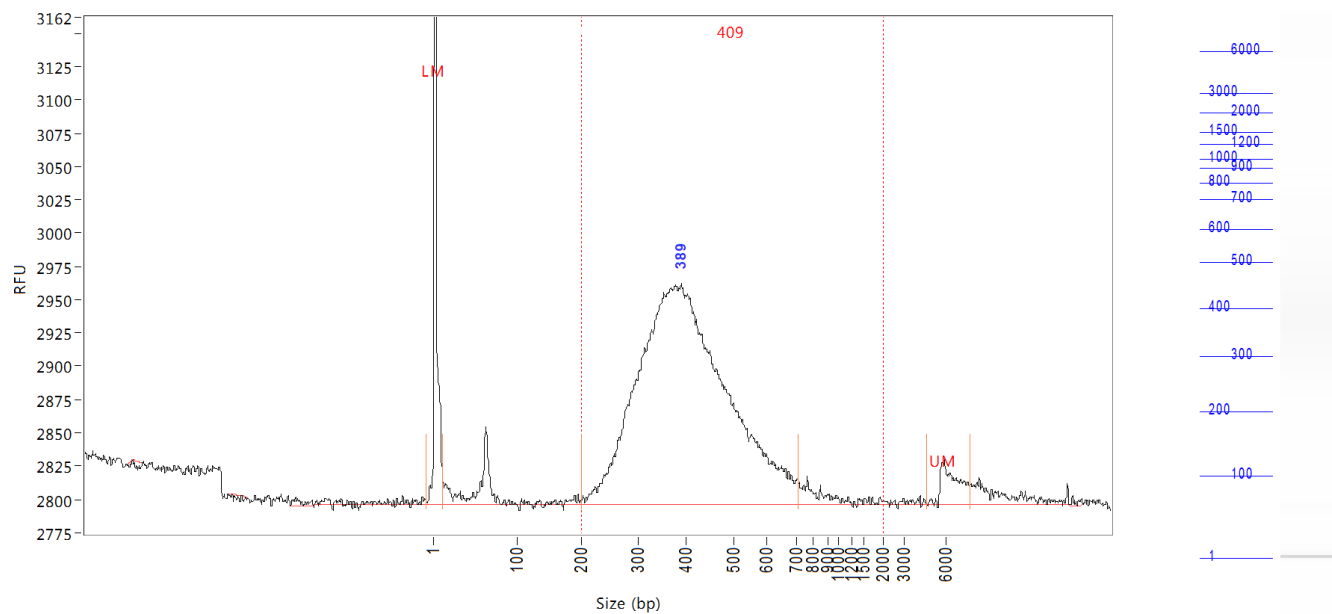
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L28**Well Location:** D4**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	21	2	214.16	1059	7.380
339	4.0680	169	867	378	28.97	384	79.906
6000 (UM)	0.0085	5504	7207	6269	5.89	217	2.013
TIC:		4.0680	ng/uL				
TIM:		19.714	nmole/L				
Total Conc.:		4.1876	ng/uL				

Smear Analysis 200 bp to 2000 bp 4.0807 ng/uL 97.4 %Total 17.514 nmole/L 383 Avg. Size (b.p.) 32.50 %CV

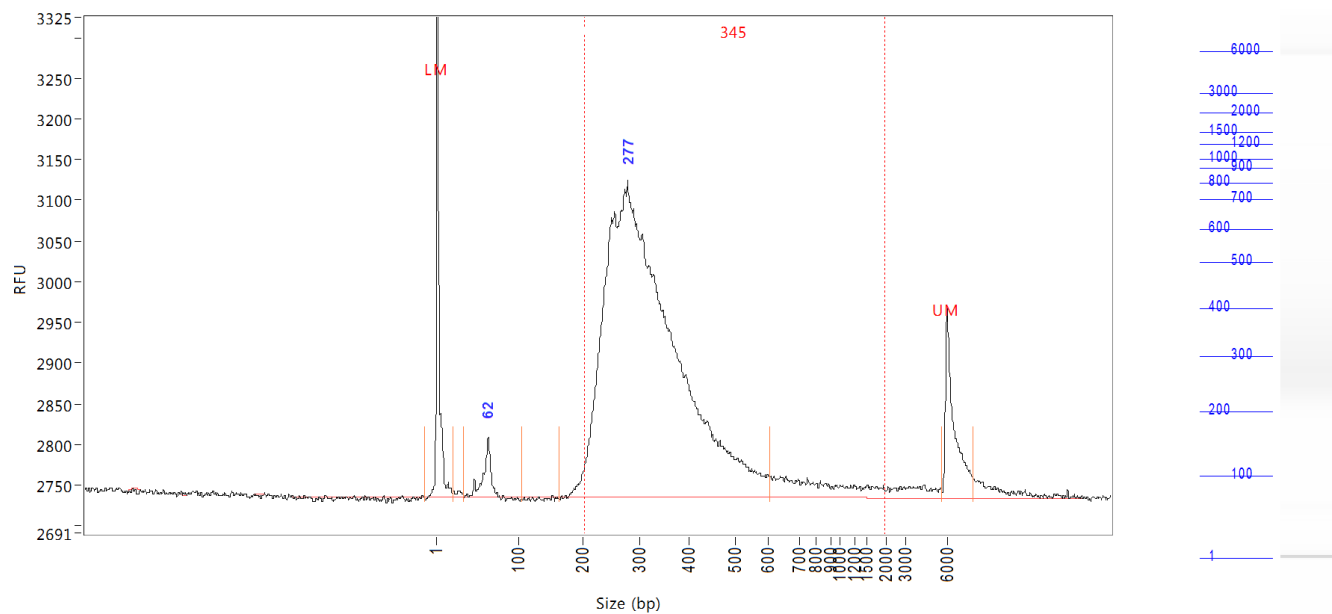
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L29**Well Location:** E4**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	12	1	202.74	1076	7.160
389	1.4868	199	709	398	23.98	166	28.335
6000 (UM)	0.0033	4711	7848	6537	10.60	34	0.751
TIC:		1.4868	ng/uL				
TIM:		6.283	nmole/L				
Total Conc.:		1.6311	ng/uL				

Smear Analysis	200 bp to 2000 bp	1.5192 ng/ul	93.1 %Total	6.107 nmole/L	409 Avg. Size (b.p.)	32.04 %CV
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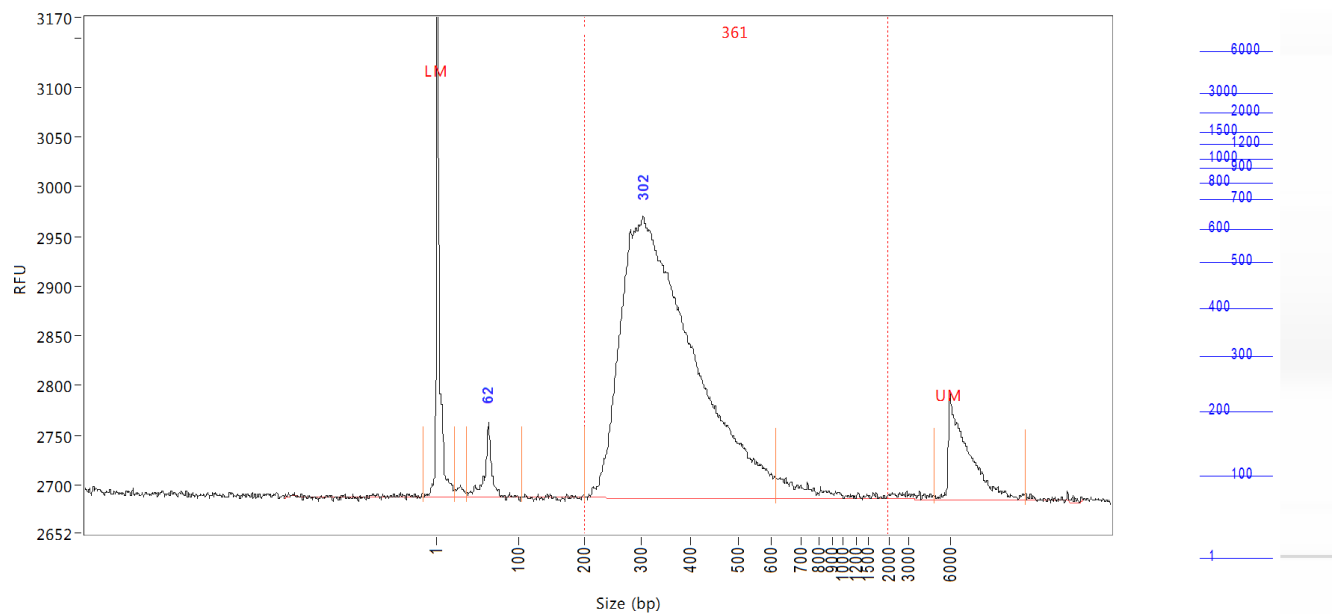
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
 Manual Baseline Start (min): 10 Manual Baseline End (min): 48
 Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
 Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L30**Well Location:** F4**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	21	2	196.07	1194	7.908
62	0.0732	33	104	59	12.44	74	1.540
277	2.6126	163	606	316	24.72	390	54.992
6000 (UM)	0.0109	5628	7922	6466	8.60	232	2.748
TIC:		2.6858	ng/uL				
TIM:		17.462	nmole/L				
Total Conc.:		2.8504	ng/uL				

Smear Analysis 200 bp to 2000 bp 2.7122 ng/uL 95.2 %Total 12.946 nmole/L 345 Avg. Size (b.p.) 48.49 %CV

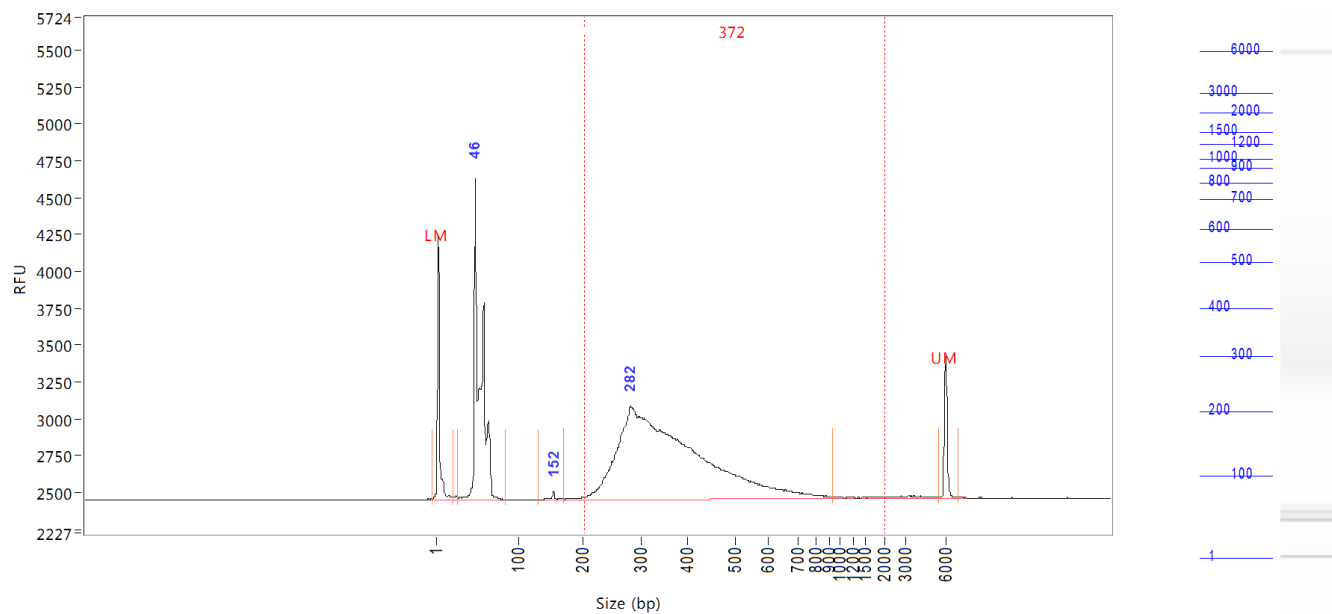
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L31**Well Location:** G4**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	24	2	218.74	1209	8.384
62	0.0662	38	103	61	14.19	76	1.477
302	1.8419	200	620	349	22.39	283	41.103
6000 (UM)	0.0102	4860	11396	7126	16.29	106	2.721
TIC:		1.9081	ng/uL				
TIM:		11.792	nmole/L				
Total Conc.:		1.9830	ng/uL				

Smear Analysis 200 bp to 2000 bp 1.8921 ng/uL 95.4 %Total 8.615 nmole/L 361 Avg. Size (b.p.) 32.44 %CV

Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

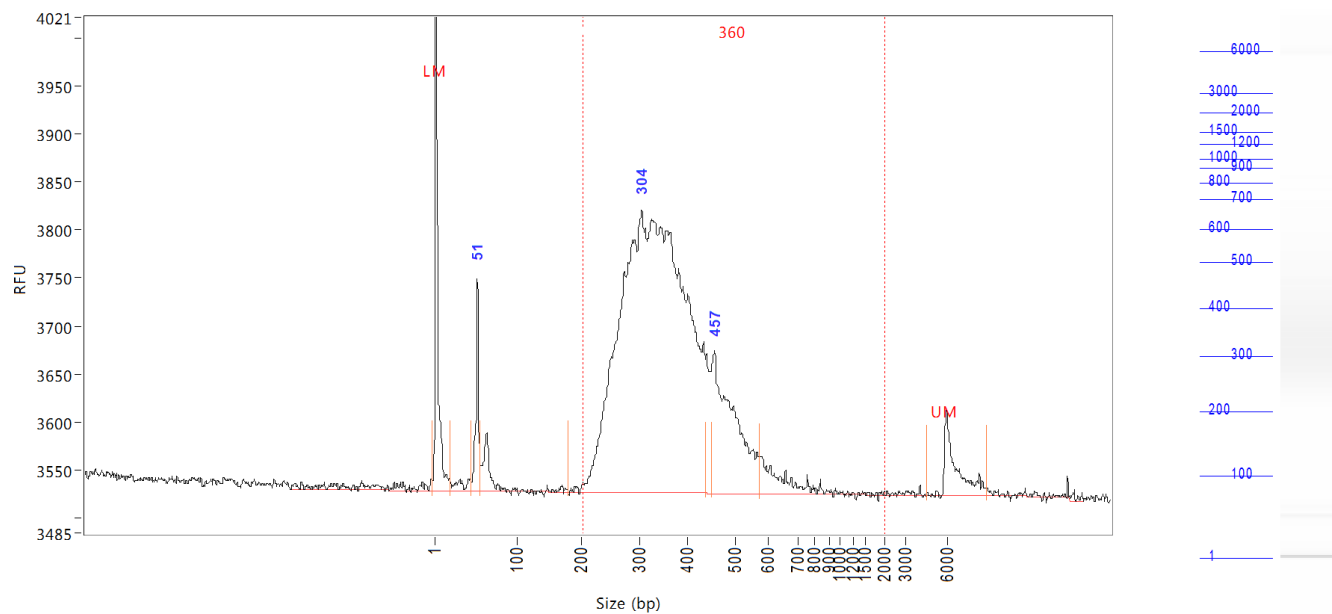
Sample: 5003-L32**Well Location:** H4**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	20	2	199.61	1801	11.865
46	1.1573	25	83	52	12.66	2179	36.550
152	0.0118	130	168	151	3.76	62	0.373
282	3.0488	168	927	364	29.27	636	96.284
6000 (UM)	0.0100	5529	6887	6001	2.51	961	3.779

TIC: 4.2179 ng/uL
TIM: 59.407 nmole/L
Total Conc.: 4.2790 ng/uL

Smear Analysis 200 bp to 2000 bp 3.0605 ng/uL 71.5 %Total 13.518 nmole/L 372 Avg. Size (b.p.) 37.50 %CV

Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

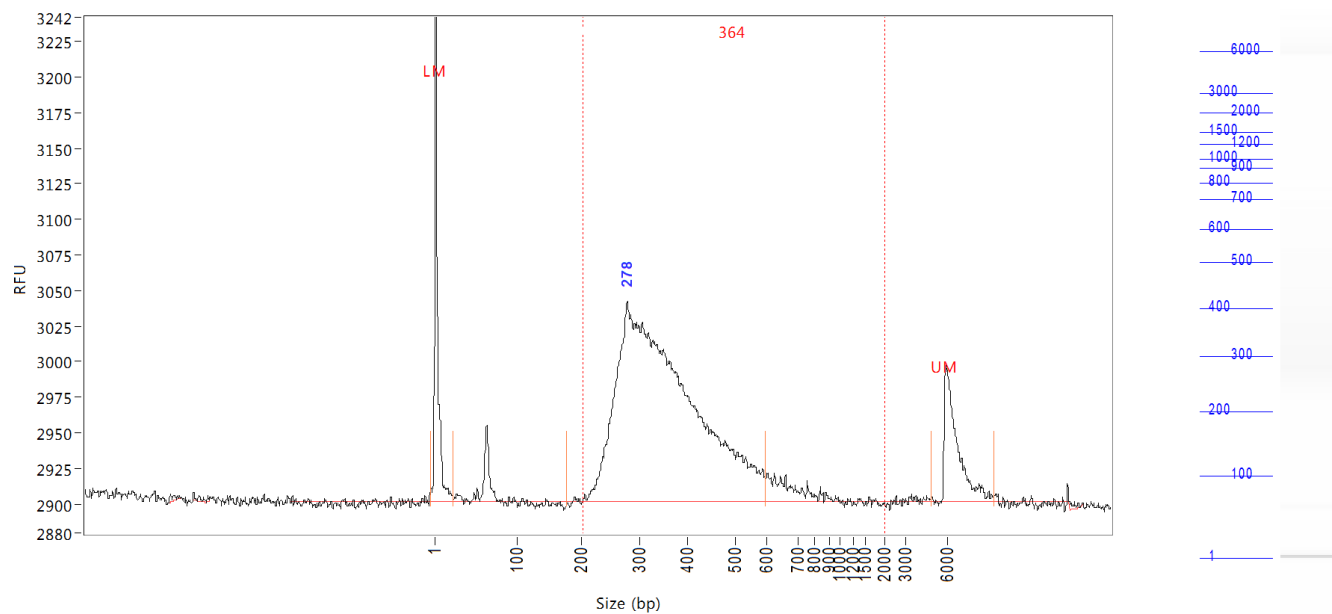
Sample: 5003-L33**Well Location:** A5**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	20	2	155.13	890	6.110
51	0.1061	44	55	50	4.52	221	1.725
304	2.5030	179	438	327	17.01	295	40.706
457	0.3642	451	578	494	6.83	149	5.922
6000 (UM)	0.0067	4612	8883	6730	12.85	89	1.313

TIC: 2.9733 ng/uL
TIM: 18.269 nmole/L
Total Conc.: 3.2414 ng/uL

Smear Analysis 200 bp to 2000 bp 3.0220 ng/uL 93.2 %Total 13.793 nmole/L 360 Avg. Size (b.p.) 28.36 %CV

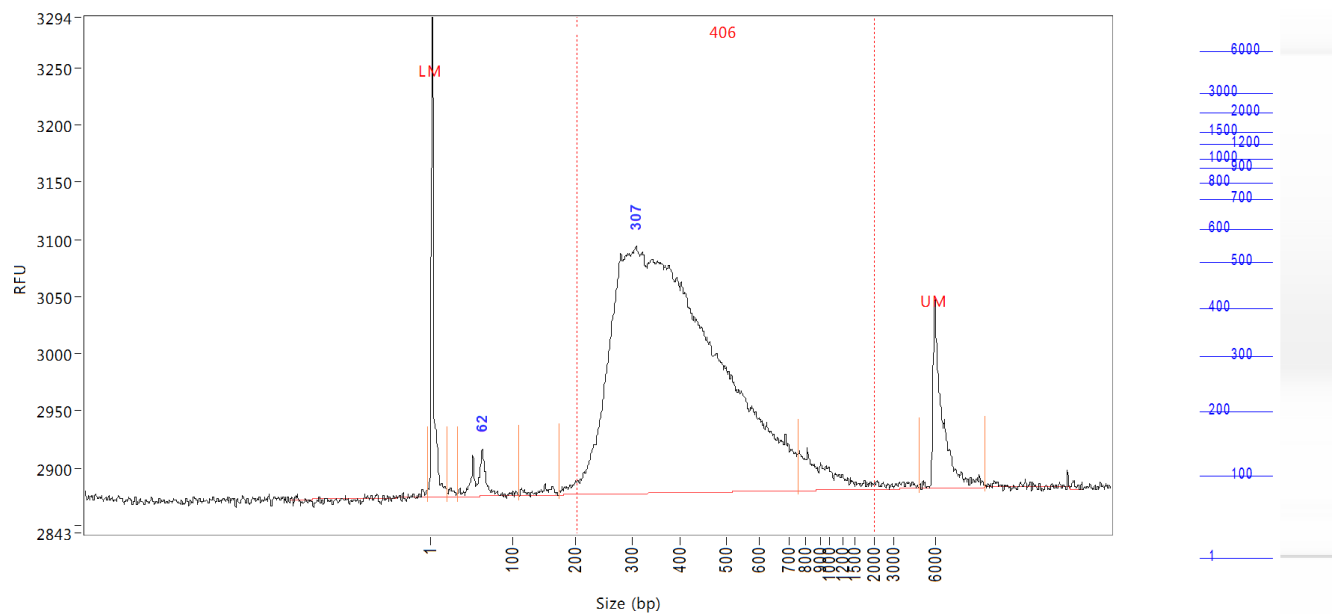
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L34**Well Location:** B5**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	22	2	164.46	798	5.279
278	1.4503	175	595	349	23.35	140	20.377
6000 (UM)	0.0097	4909	9499	6680	12.06	95	1.639
TIC:		1.4503	ng/uL				
TIM:		8.583	nmole/L				
Total Conc.:		1.5793	ng/uL				

Smear Analysis 200 bp to 2000 bp 1.5091 ng/uL 95.6 %Total 6.828 nmole/L 364 Avg. Size (b.p.) 30.35 %CV

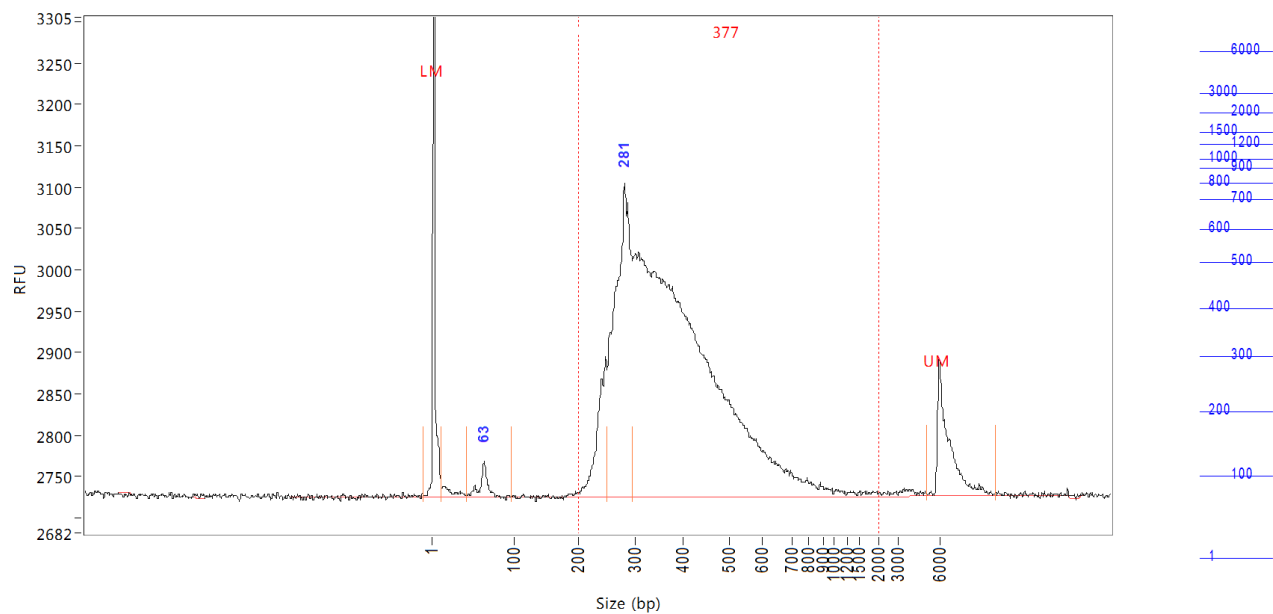
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L35**Well Location:** C5**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	21	2	148.51	623	4.328
62	0.1098	33	109	59	21.82	41	1.265
307	3.9493	175	758	386	28.81	217	45.500
6000 (UM)	0.0150	4835	9671	6565	12.41	165	2.079
TIC:		4.0591	ng/uL				
TIM:		24.017	nmole/L				
Total Conc.:		4.2429	ng/uL				

Smear Analysis 200 bp to 2000 bp 4.0598 ng/uL 95.7 %Total 16.450 nmole/L 406 Avg. Size (b.p.) 39.46 %CV

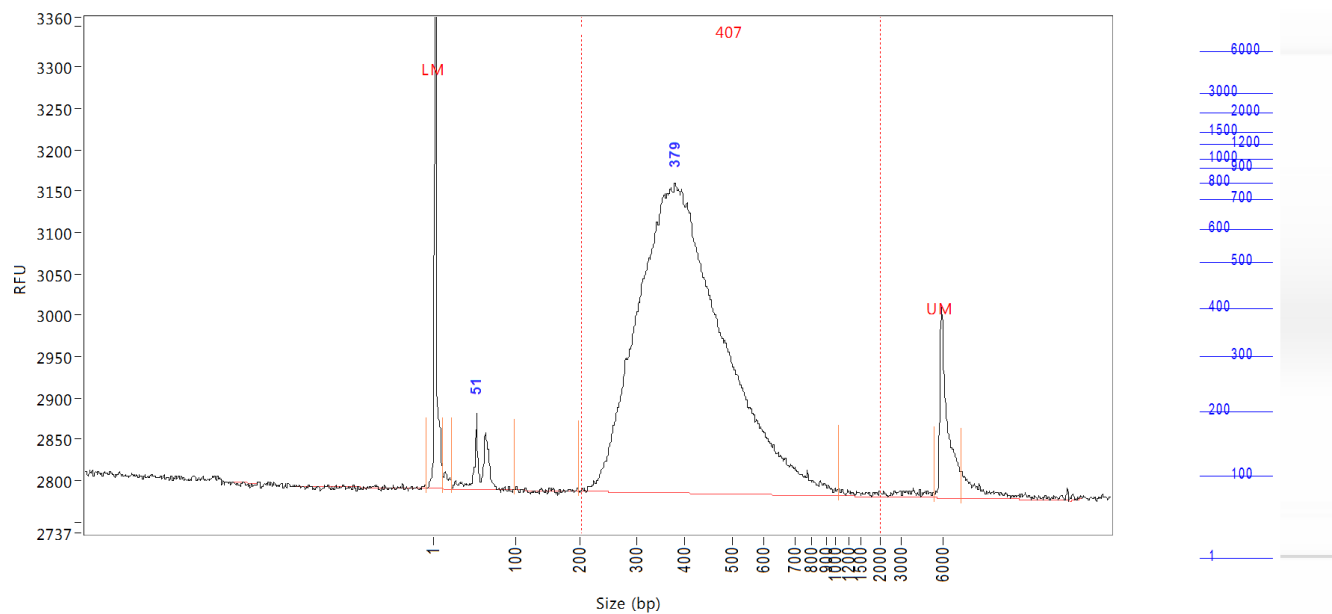
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L36**Well Location:** D5**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	11	2	167.66	836	5.500
63	0.0629	42	96	61	13.62	44	0.920
281	0.8944	249	295	274	4.59	380	13.094
6000 (UM)	0.0145	5083	10090	6715	13.24	166	2.551
TIC:		0.9573	ng/uL				
TIM:		6.877	nmole/L				
Total Conc.:		4.1540	ng/uL				

Smear Analysis 200 bp to 2000 bp 4.0308 ng/uL 97.0 %Total 17.609 nmole/L 377 Avg. Size (b.p.) 35.17 %CV

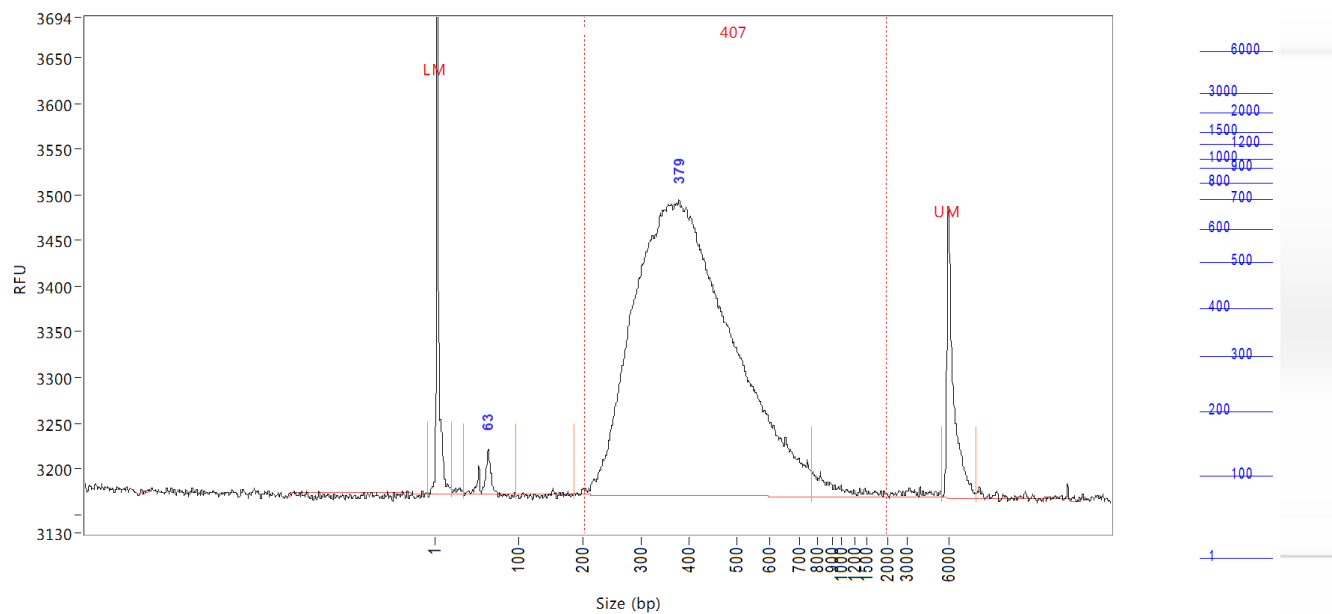
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L37**Well Location:** E5**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	11	1	186.50	1039	6.795
51	0.1188	22	98	55	21.77	93	2.148
379	3.4219	198	1036	404	25.75	375	61.894
6000 (UM)	0.0110	5455	7404	6328	6.83	231	2.382
TIC:		3.5406	ng/uL				
TIM:		18.683	nmole/L				
Total Conc.:		3.5946	ng/uL				

Smear Analysis 200 bp to 2000 bp 3.4345 ng/uL 95.5 %Total 13.869 nmole/L 407 Avg. Size (b.p.) 30.01 %CV

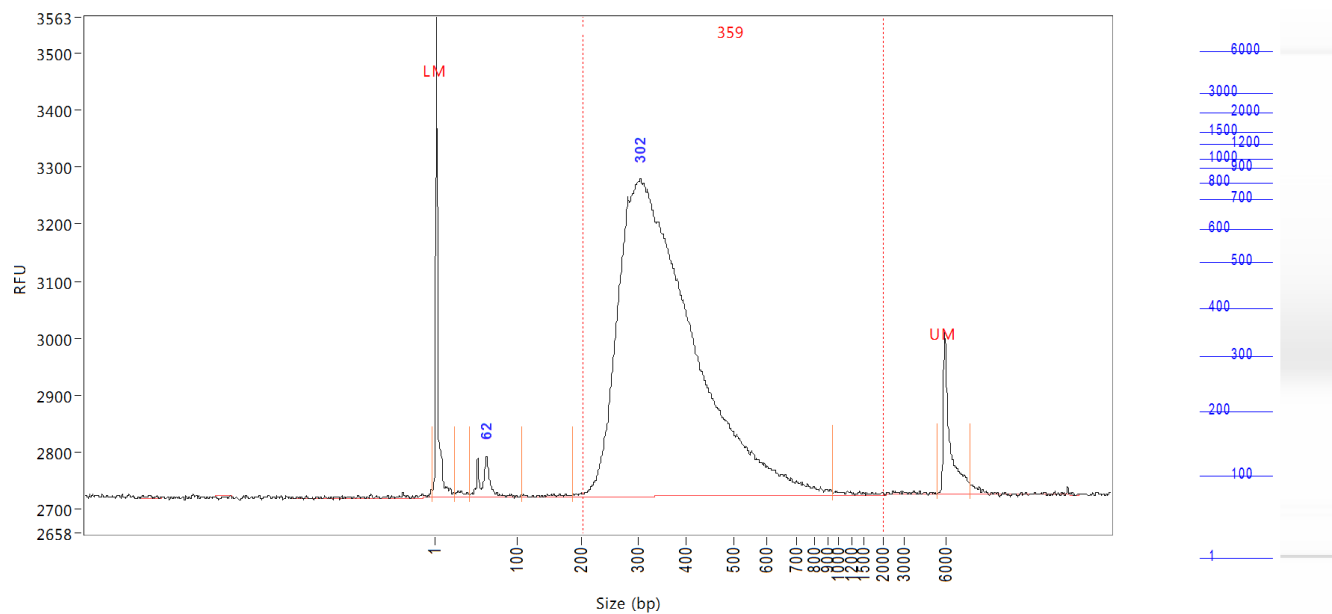
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L38**Well Location:** F5**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	19	2	160.72	934	6.193
63	0.0572	33	97	59	13.32	50	0.943
379	3.7317	185	770	397	25.75	323	61.516
6000 (UM)	0.0142	5554	7996	6296	7.05	314	2.818
TIC:		3.7889	ng/uL				
TIM:		17.708	nmole/L				
Total Conc.:		3.8761	ng/uL				

Smear Analysis 200 bp to 2000 bp 3.7864 ng/uL 97.7 %Total 15.321 nmole/L 407 Avg. Size (b.p.) 32.54 %CV

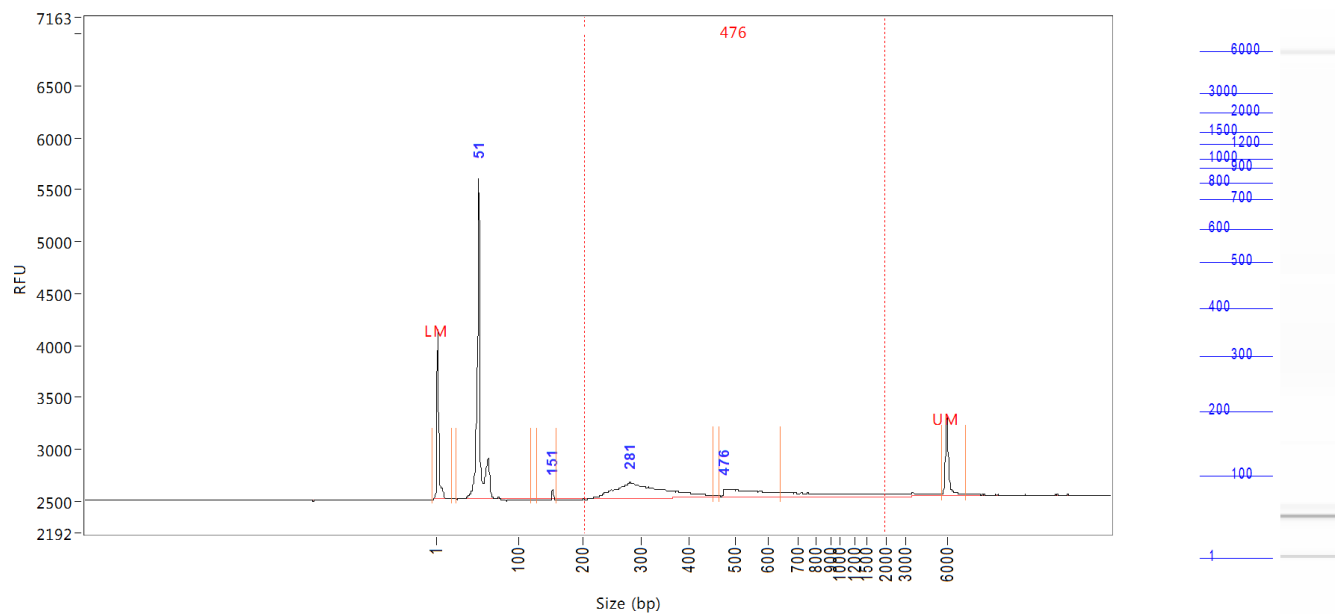
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L39**Well Location:** G5**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	25	2	171.61	1045	7.164
62	0.1002	41	108	61	18.97	71	1.911
302	4.3765	185	938	356	26.13	558	83.456
6000 (UM)	0.0111	5430	7799	6372	7.98	285	2.532
TIC:		4.4767	ng/uL				
TIM:		26.471	nmole/L				
Total Conc.:		4.5258	ng/uL				

Smear Analysis 200 bp to 2000 bp 4.3833 ng/uL 96.9 %Total 20.082 nmole/L 359 Avg. Size (b.p.) 29.51 %CV

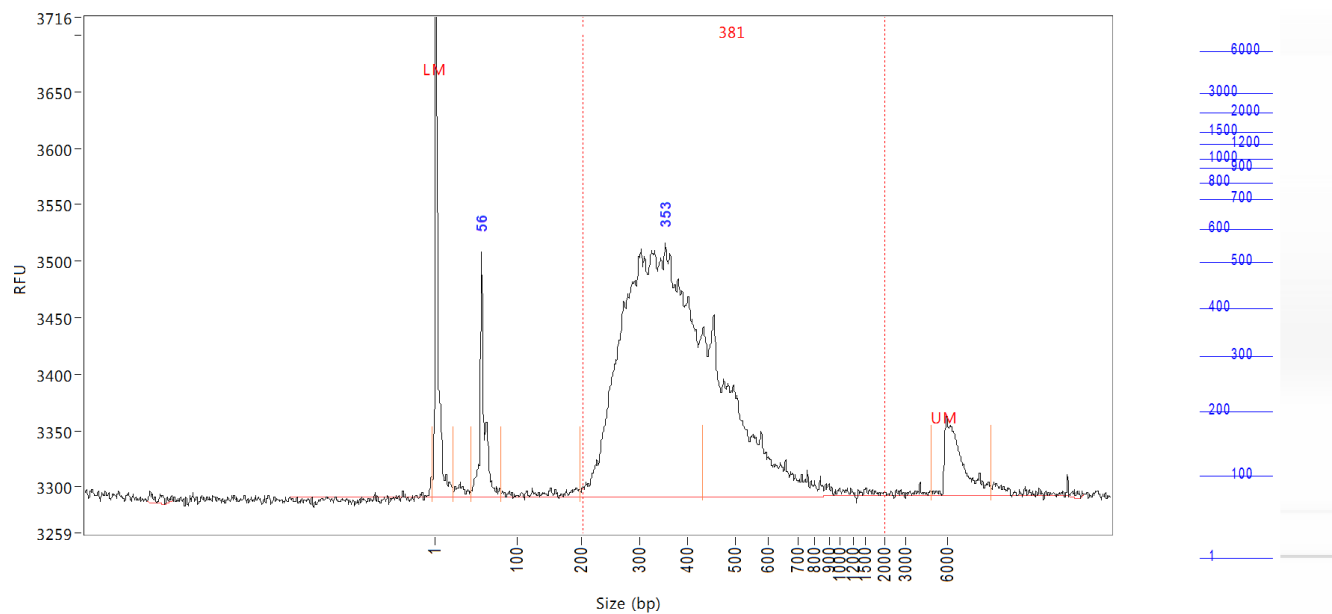
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L40**Well Location:** H5**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	19	1	177.89	1640	10.090
51	1.0334	25	118	51	10.72	3091	27.753
151	0.0121	127	158	151	0.60	93	0.324
281	0.5600	158	454	312	17.17	149	15.039
476	0.1939	466	640	539	9.14	81	5.206
6000 (UM)	0.0110	5653	7380	6093	4.90	749	3.535
TIC:		1.7993	ng/uL				
TIM:		37.539	nmole/L				
Total Conc.:		2.0194	ng/uL				

Smear Analysis 200 bp to 2000 bp 0.9117 ng/ul 45.1 %Total 3.155 nmole/L 476 Avg. Size (b.p.) 62.32 %CV

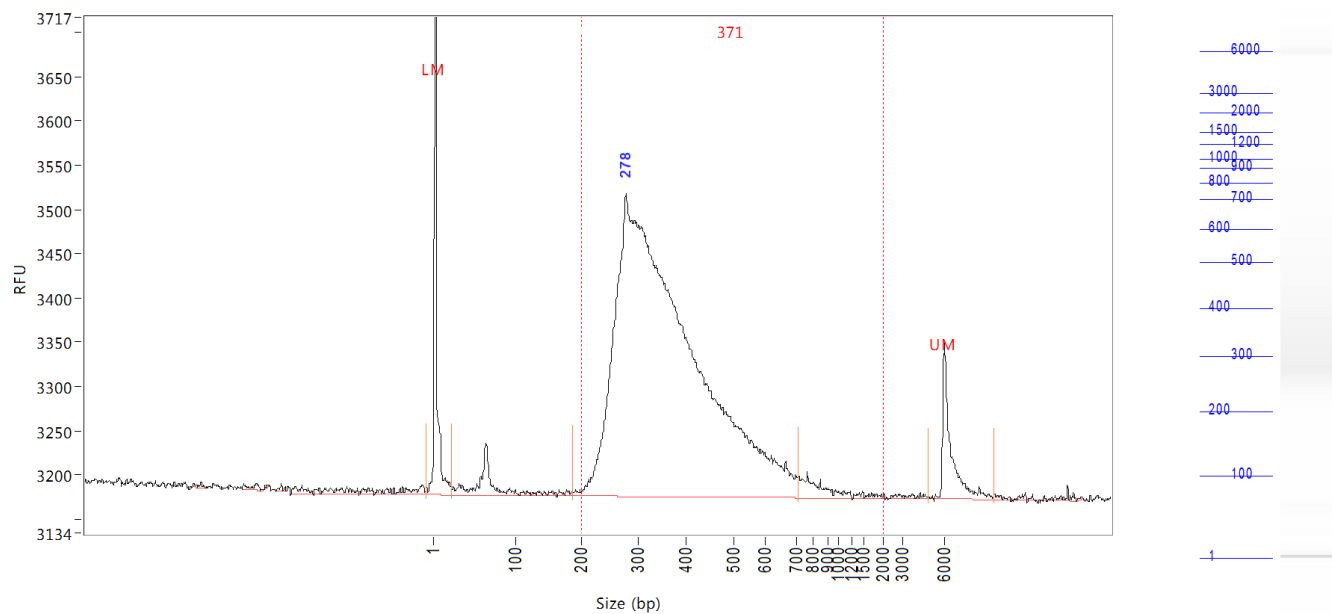
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L41**Well Location:** A6**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	22	2	173.68	1006	6.871
56	0.1456	44	80	58	9.80	217	2.663
353	1.6987	197	433	329	16.71	224	31.069
6000 (UM)	0.0074	4909	9179	6819	13.02	70	1.627
TIC:		1.8443	ng/uL				
TIM:		12.185	nmole/L				
Total Conc.:		2.4637	ng/uL				

Smear Analysis 200 bp to 2000 bp 2.2604 ng/uL 91.7 %Total 9.764 nmole/L 381 Avg. Size (b.p.) 34.15 %CV

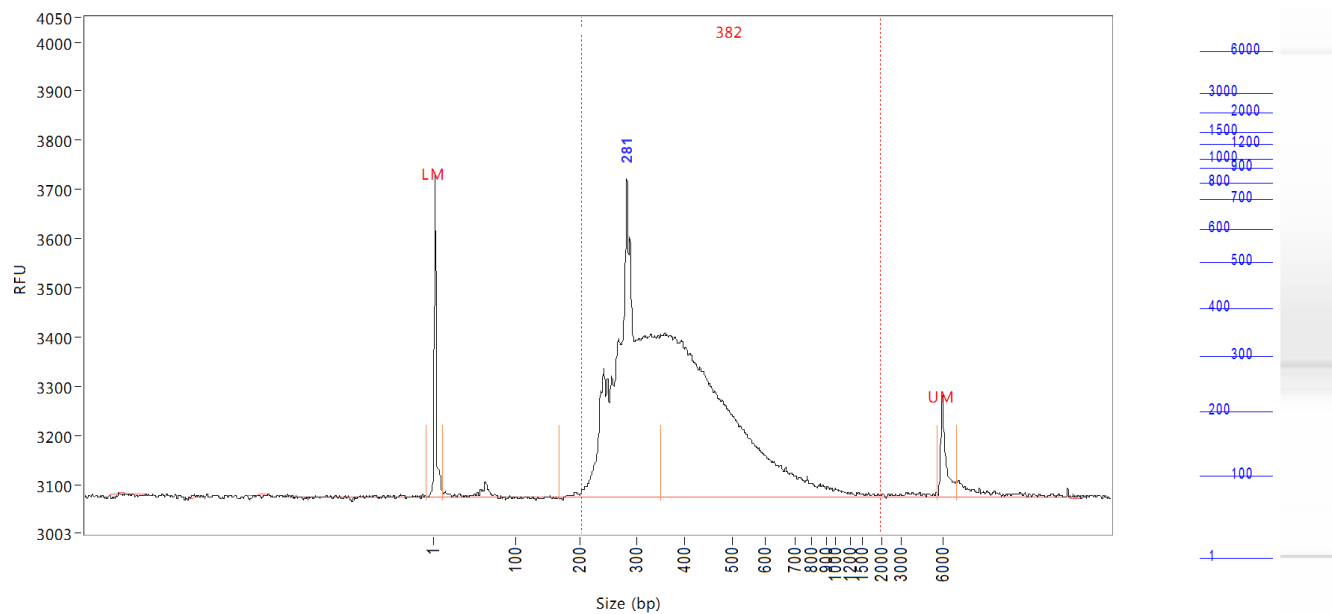
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L42**Well Location:** B6**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	22	2	169.90	856	6.257
278	3.0909	186	711	359	26.90	342	51.477
6000 (UM)	0.0095	4885	9548	6532	12.23	176	1.898
TIC:		3.0909	ng/uL				
TIM:		18.292	nmole/L				
Total Conc.:		3.2872	ng/uL				

Smear Analysis 200 bp to 2000 bp 3.1460 ng/ul 95.7 %Total 13.958 nmole/L 371 Avg. Size (b.p.) 35.31 %CV

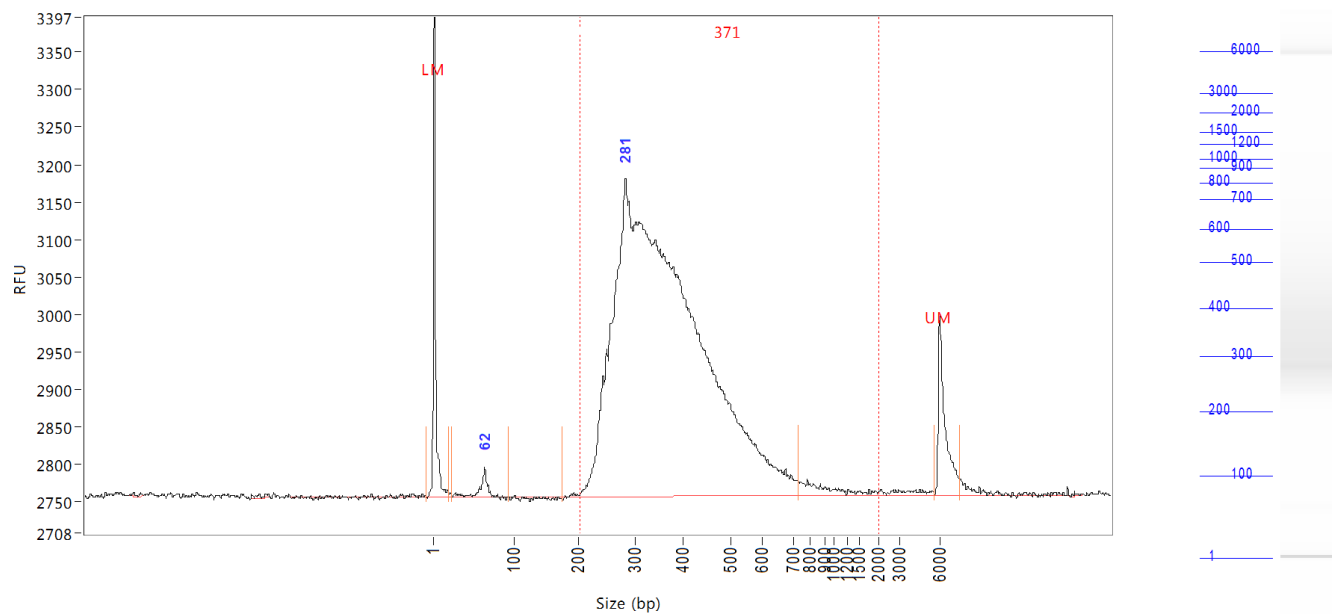
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L43**Well Location:** C6**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	12	1	170.62	656	4.279
281	3.3025	167	349	287	11.88	646	37.617
6000 (UM)	0.0104	5678	7035	6187	5.16	206	1.423
TIC:		3.3025	ng/uL				
TIM:		19.337	nmole/L				
Total Conc.:		6.9935	ng/uL				

Smear Analysis 200 bp to 2000 bp 6.8966 ng/uL 98.6 %Total 29.738 nmole/L 382 Avg. Size (b.p.) 34.62 %CV

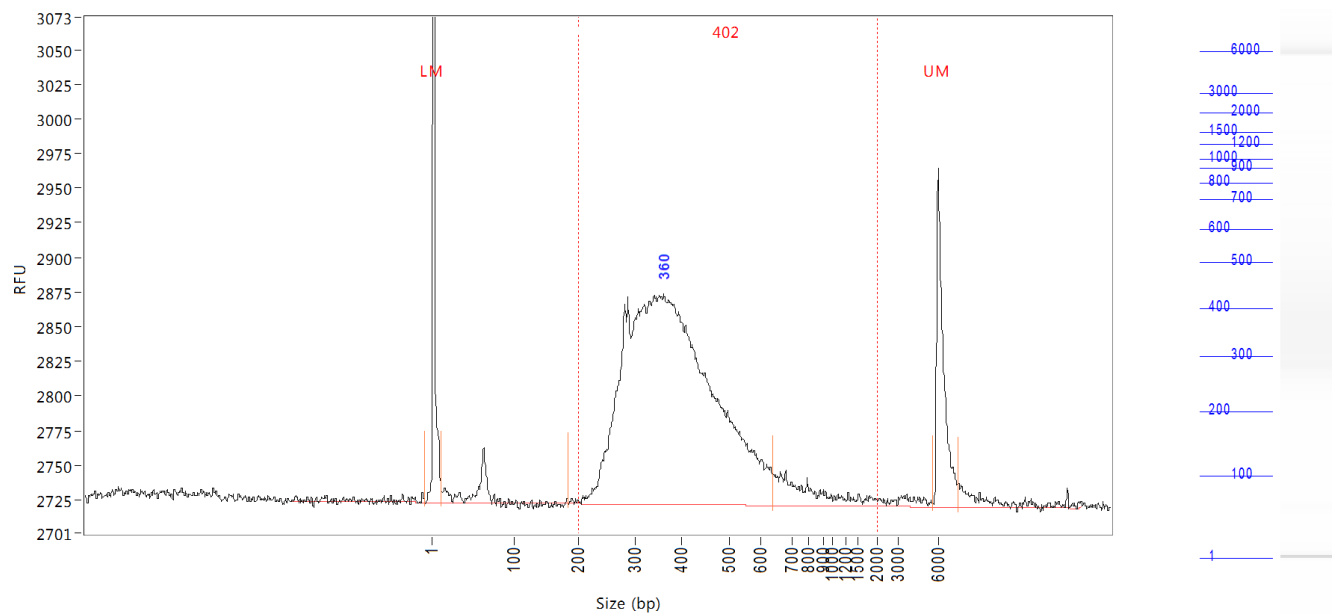
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L44**Well Location:** D6**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	20	2	185.71	665	4.480
62	0.0633	23	91	57	20.21	39	0.754
281	5.6873	174	731	362	26.02	425	67.821
6000 (UM)	0.0155	5603	7454	6309	6.60	239	2.221
TIC:		5.7505	ng/uL				
TIM:		34.973	nmole/L				
Total Conc.:		5.8608	ng/uL				

Smear Analysis 200 bp to 2000 bp 5.7628 ng/uL 98.3 %Total 25.531 nmole/L 371 Avg. Size (b.p.) 34.06 %CV

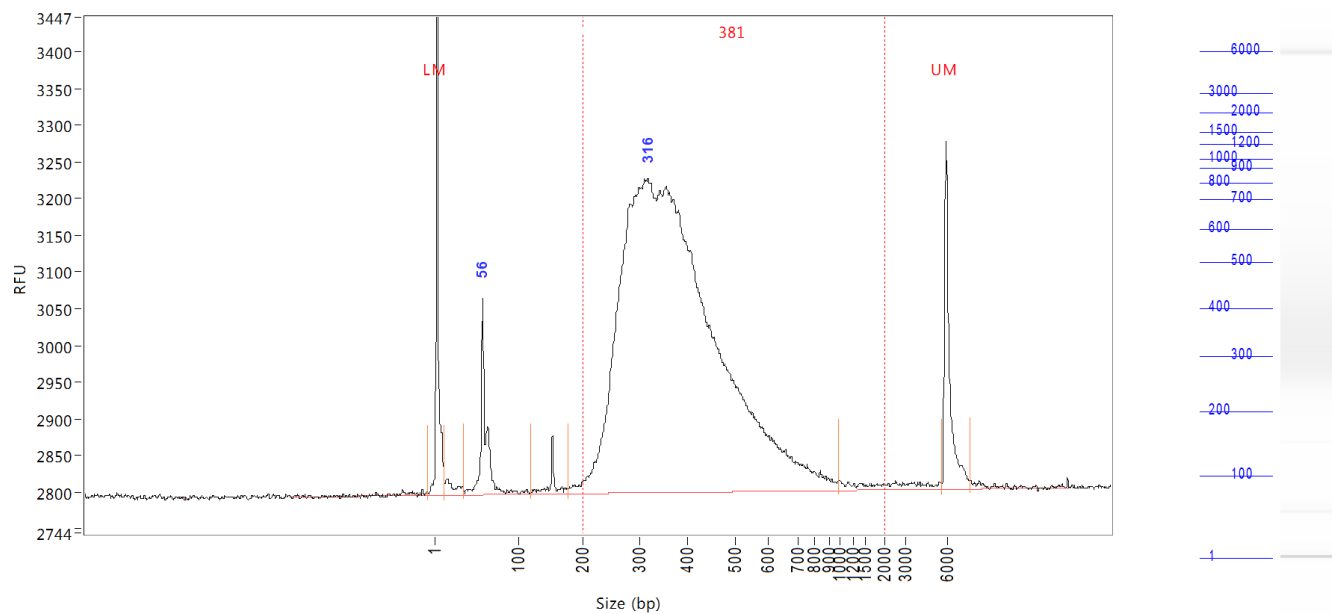
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L45**Well Location:** E6**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	12	2	172.02	616	4.105
360	2.5167	184	638	376	23.36	152	27.495
6000 (UM)	0.0172	5653	7429	6268	6.01	245	2.253
TIC:		2.5167	ng/uL				
TIM:		11.497	nmole/L				
Total Conc.:		2.7820	ng/uL				

Smear Analysis	200 bp to 2000 bp	2.6436 ng/ul	95.0 %Total	10.812 nmole/L	402 Avg. Size (b.p.)	39.50 %CV
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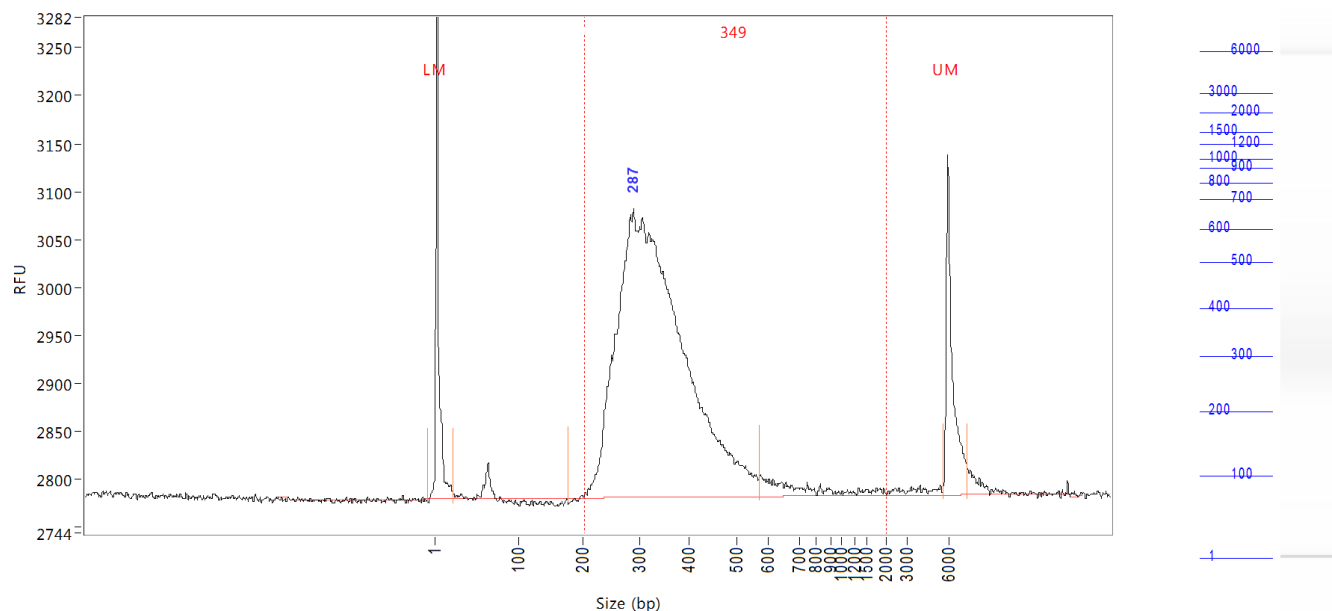
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
 Manual Baseline Start (min): 10 Manual Baseline End (min): 48
 Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
 Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
 Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
 Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L46**Well Location:** F6**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	11	1	197.77	1108	7.290
56	0.1992	35	120	60	20.15	268	3.864
316	4.1318	176	1000	375	29.23	428	80.172
6000 (UM)	0.0139	5703	7749	6223	6.59	474	3.234
TIC:		4.3310	ng/uL				
TIM:		27.350	nmole/L				
Total Conc.:		4.4522	ng/uL				

Smear Analysis 200 bp to 2000 bp 4.1370 ng/uL 92.9 %Total 17.845 nmole/L 381 Avg. Size (b.p.) 35.16 %CV

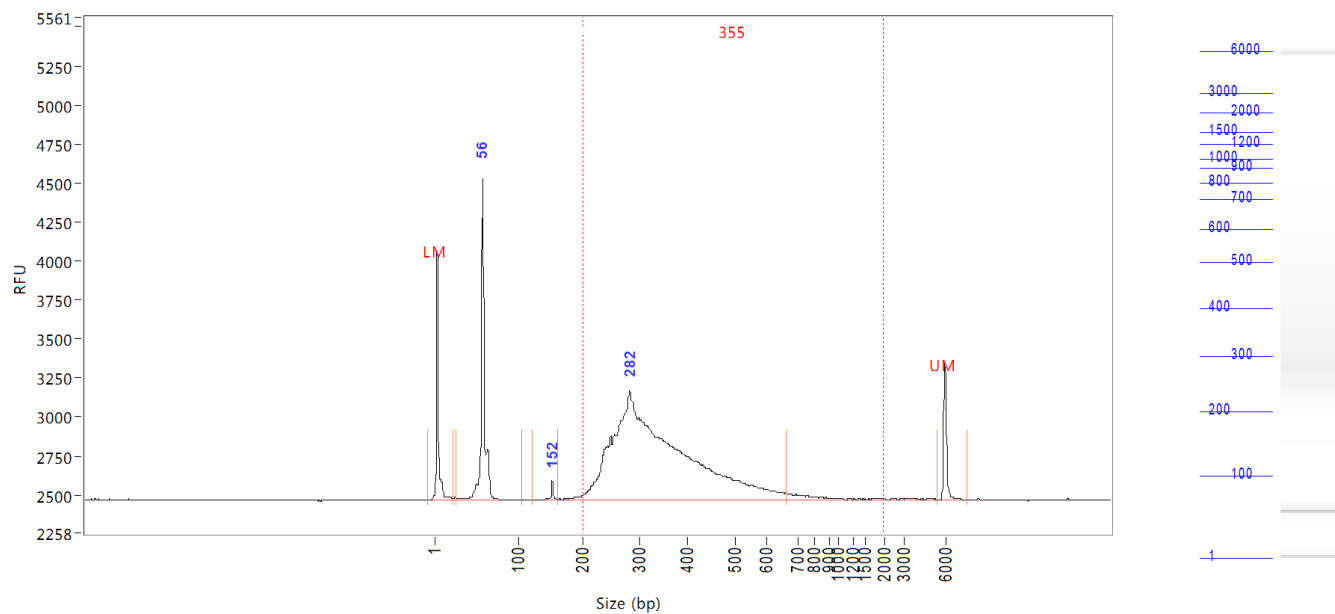
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L47**Well Location:** G6**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	22	2	161.60	1100	7.511
287	2.0210	176	574	333	20.64	301	40.406
6000 (UM)	0.0126	5628	7404	6276	6.40	354	3.012
TIC:		2.0210	ng/uL				
TIM:		11.564	nmole/L				
Total Conc.:		2.1384	ng/uL				

Smear Analysis 200 bp to 2000 bp 2.0855 ng/ul 97.5 %Total 9.844 nmole/L 349 Avg. Size (b.p.) 36.45 %CV

Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: 5003-L48**Well Location:** H6**Created:** Monday, July 16, 2018 12:08:17 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0313	0	21	2	169.84	1600	10.751
56	0.6640	25	105	56	10.85	2063	19.002
152	0.0269	122	161	149	4.58	123	0.770
282	3.1931	161	665	341	26.99	701	91.375
6000 (UM)	0.0104	5455	7577	6021	3.54	871	3.561

TIC: 3.8840 ng/uL
TIM: 38.234 nmole/L
Total Conc.: 3.9793 ng/uL

Smear Analysis 200 bp to 2000 bp 3.2405 ng/uL 81.4 %Total 15.030 nmole/L 355 Avg. Size (b.p.) 37.12 %CV

Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 200 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification Using: Ladder Final Concentration (ng/uL): 0.0830 Dilution Factor: 12.0

Sample: DNA Size Ladder

Well Location: H12

Created: Monday, July 16, 2018 12:08:17 PM

Import From: C:\Users\aatl\Desktop\Ladders\HSDNAbetter.SCAL

Fit Type: Point to Point

Calibration Curve

