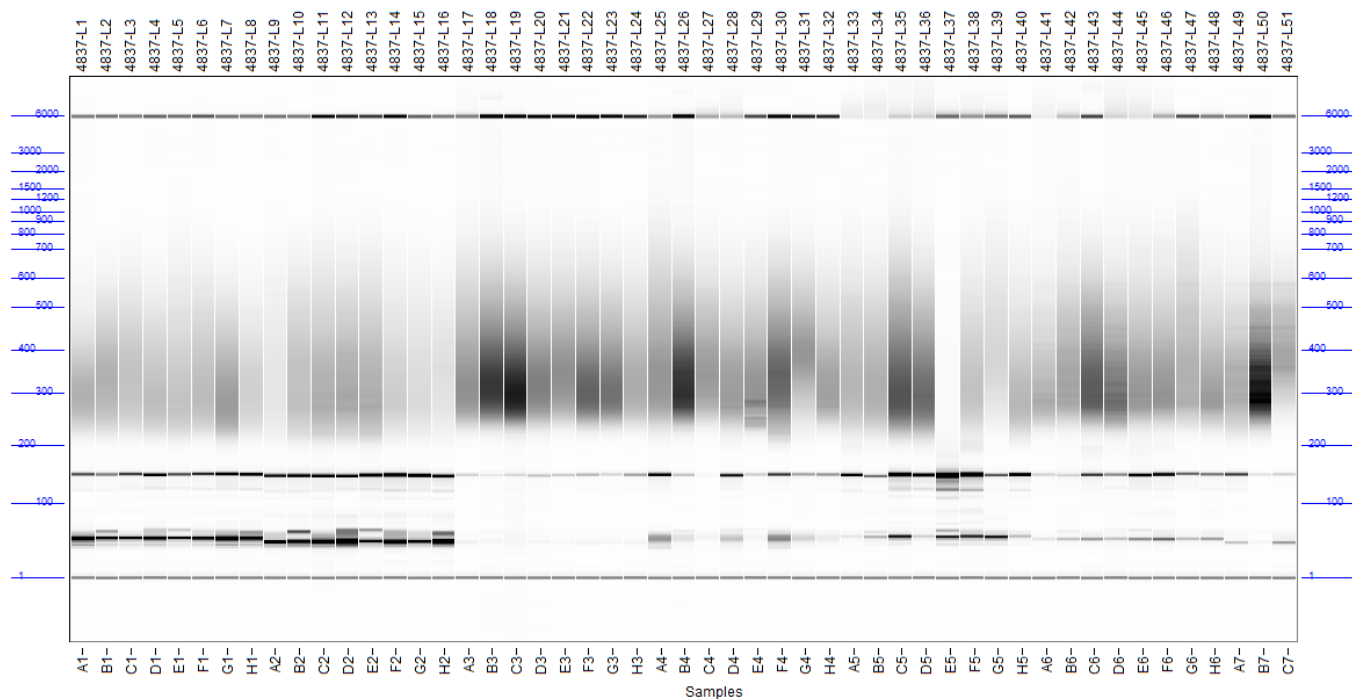
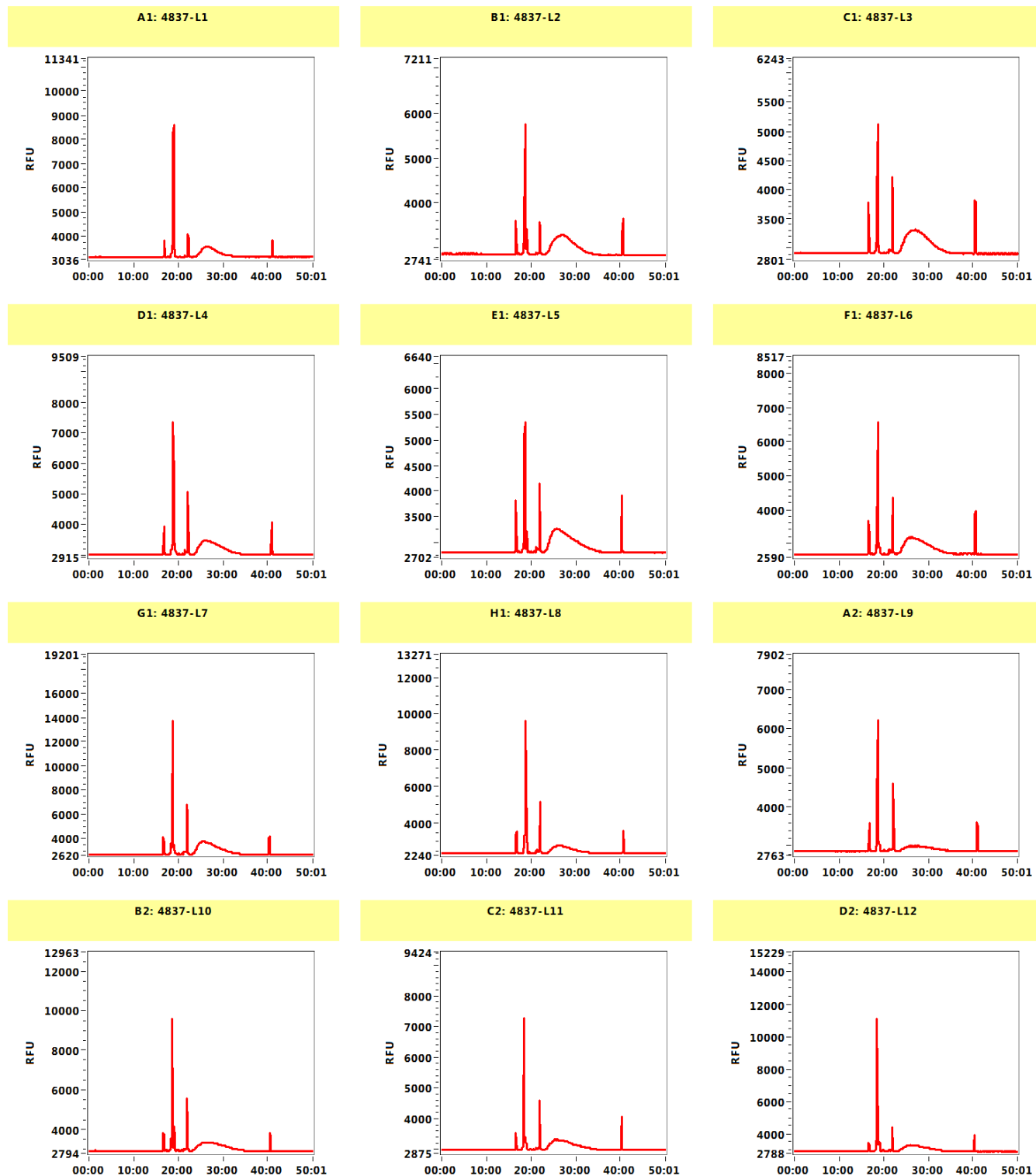


Fragment Analyzer Run Summary:**Filename and Data Path:** C:\AATI\Data\2018 04 24\4837_4822_4826_4816_4829 13-44-34\2018 04 24 13H 44M.raw**Created:** Tuesday, April 24, 2018 2:14:09 PM**# of Capillaries:** 51**Array Serial #:** 061316-03SFS**Effect Length:** 33 cm**Array Usage Count:** 184**FA Version #:** 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:** Tray-1**Analysis Mode:** NGS**NOTE**

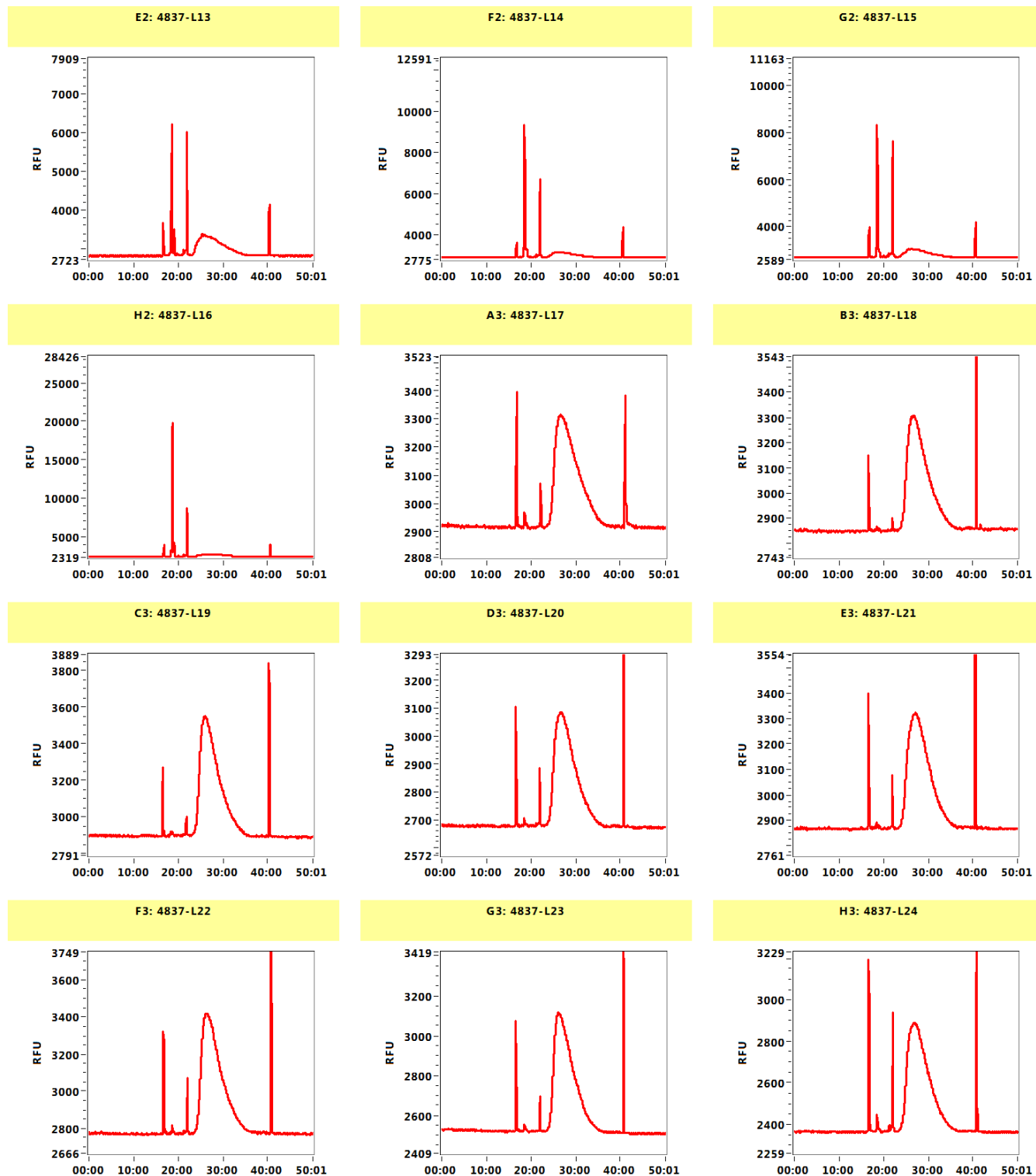
Gel Image



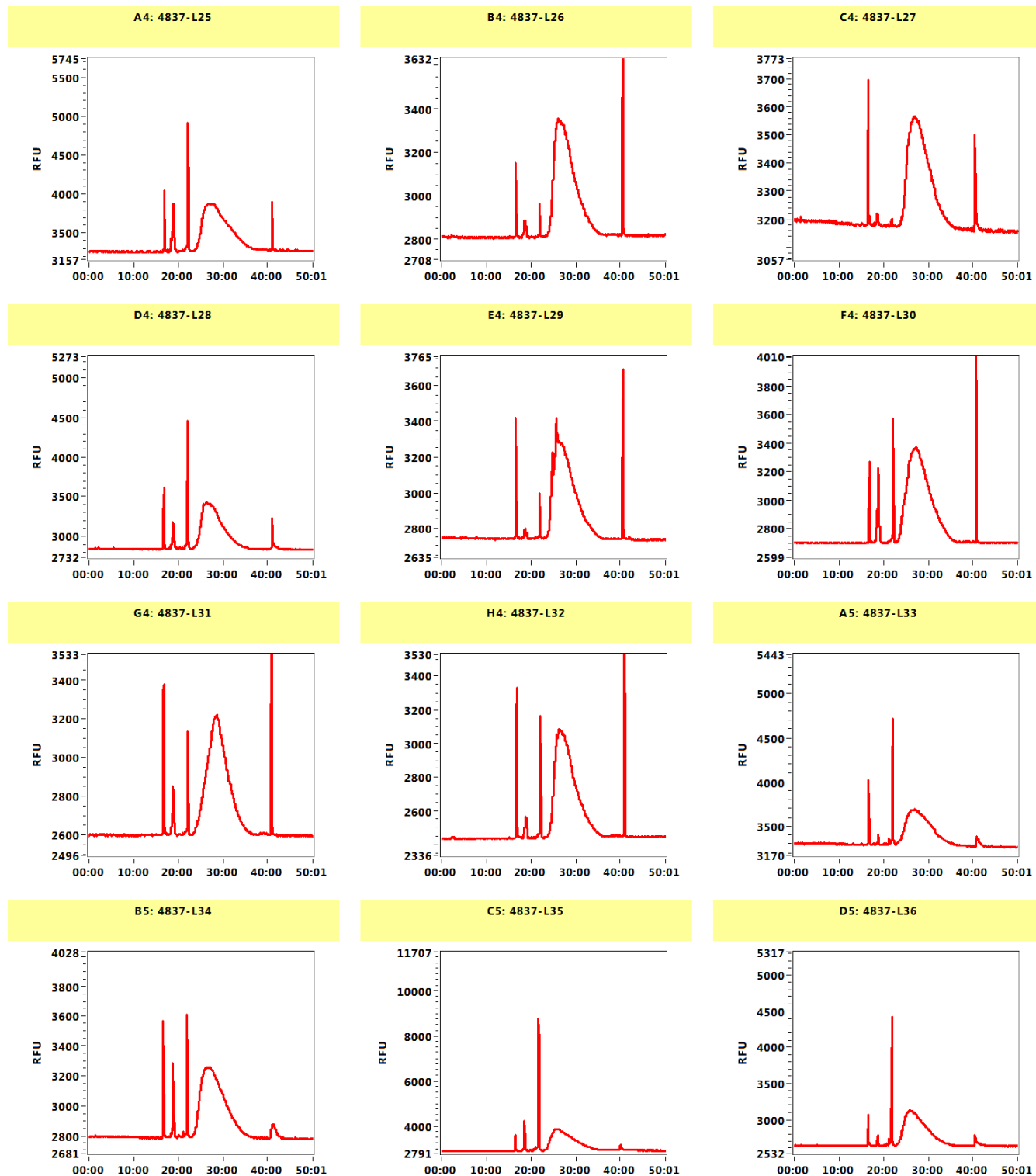
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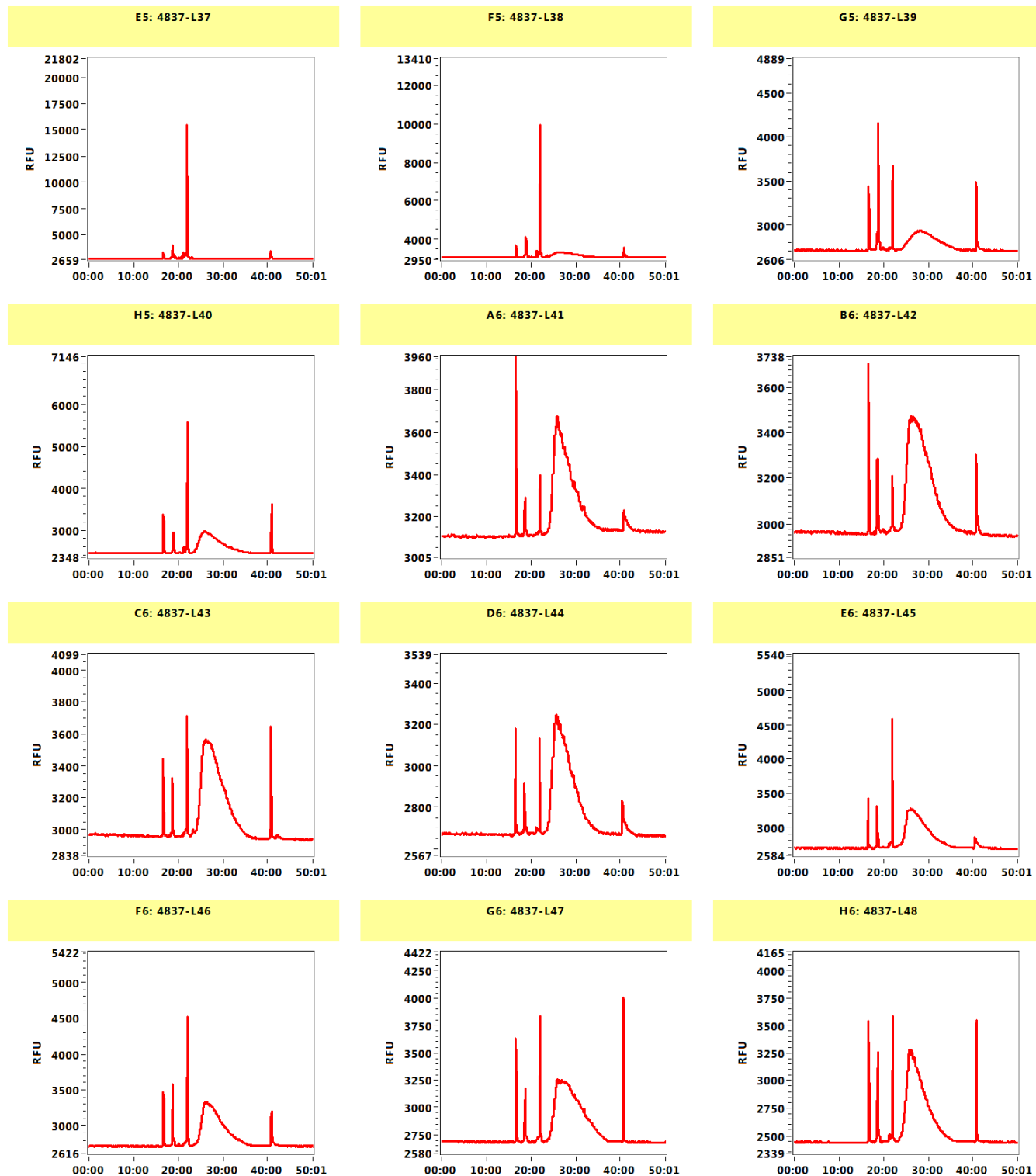
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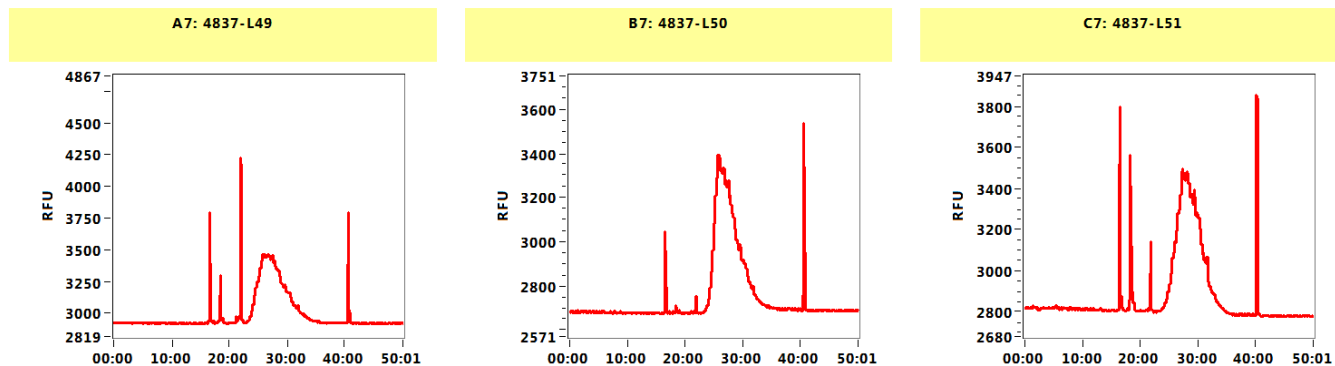
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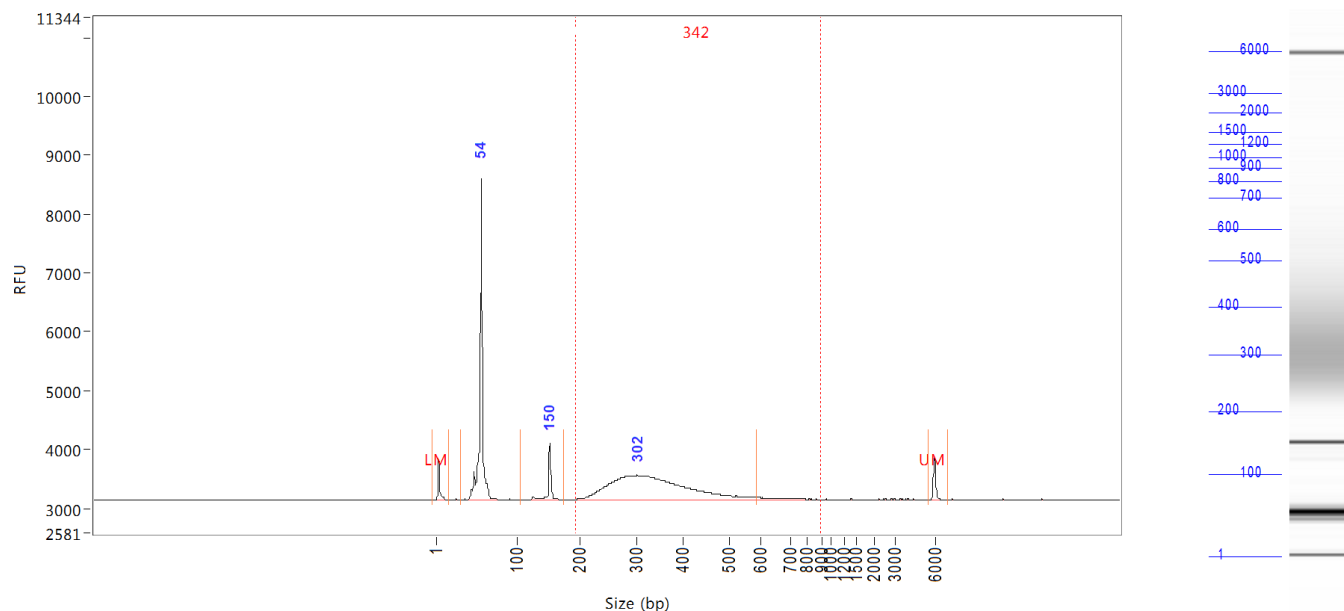


Filename and Data Path: C:\AATI\Data\2018 04 24\4837_4822_4826_4816_4829 13-44-34\2018 04 24 13H 44M.raw



Filename and Data Path: C:\AATI\Data\2018 04 24\4837_4822_4826_4816_4829 13-44-34\2018 04 24 13H 44M.raw

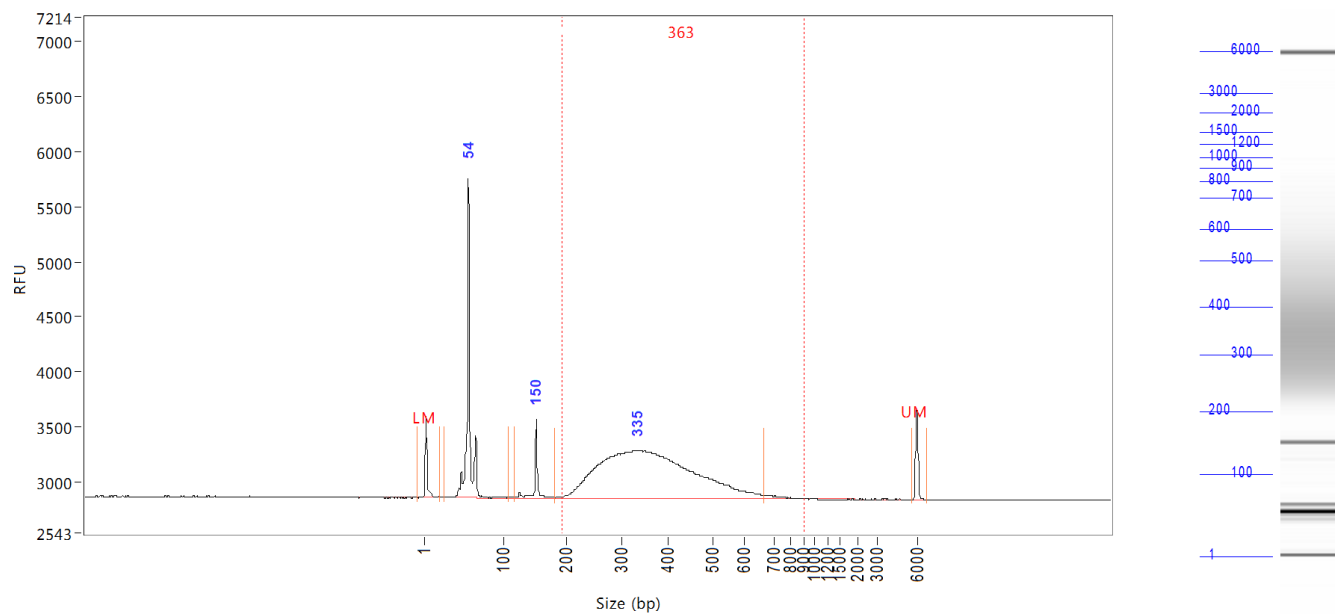


Sample: 4837-L1**Well Location:** A1**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	15	2	154.78	704	4.487
54	1.0595	29	105	53	9.69	5468	43.667
150	0.1544	105	173	147	6.41	964	6.362
302	1.6286	173	590	333	23.14	420	67.122
6000 (UM)	0.0051	5517	6934	5991	2.28	700	2.524
TIC:		2.8424	ng/uL				
TIM:		42.755	nmole/L				
Total Conc.:		2.9134	ng/uL				

Smear Analysis 190 bp to 900 bp 1.6668 ng/uL 57.2 %Total 8.024 nmole/L 342 Avg. Size (b.p.) 27.38 %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

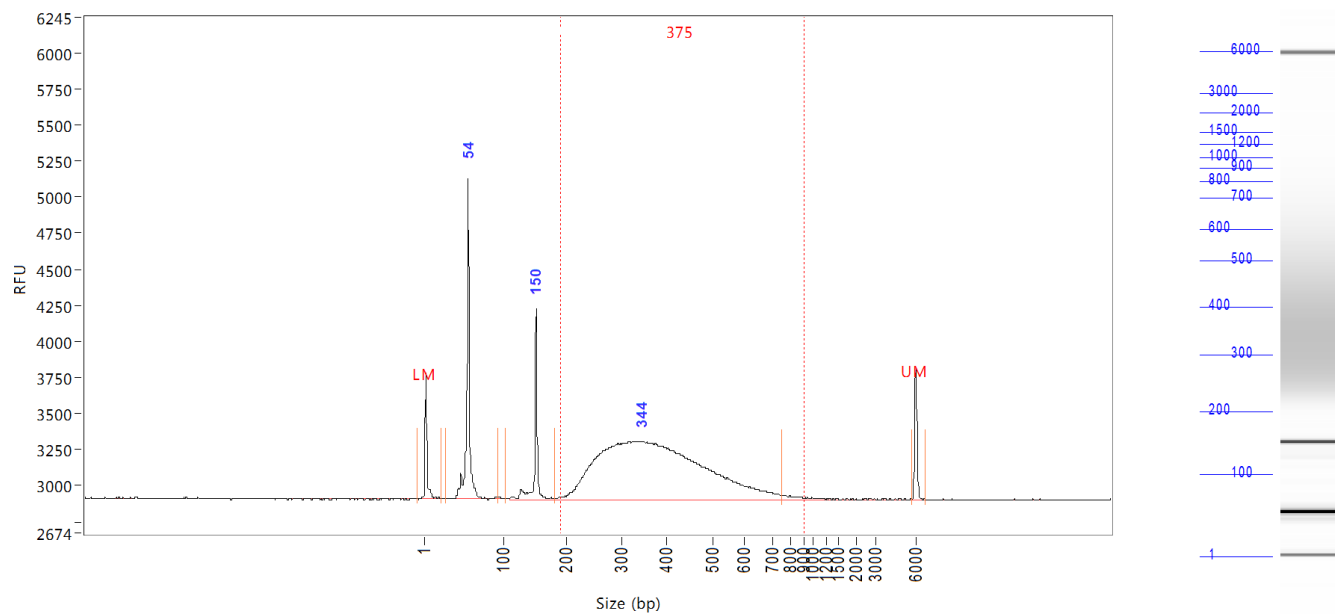
Sample: 4837-L2**Well Location:** B1**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	20	2	195.19	733	4.784
54	0.5673	25	106	55	11.34	2893	24.928
150	0.1020	116	179	147	5.96	711	4.482
335	1.9565	179	665	359	25.70	435	85.978
6000 (UM)	0.0053	5619	6732	5992	1.50	808	2.795

TIC: 2.6258 ng/uL
 TIM: 27.837 nmole/L
 Total Conc.: 2.6512 ng/uL

Smear Analysis 190 bp to 900 bp 1.9761 ng/uL 74.5 %Total 8.958 nmole/L 363 Avg. Size (b.p.) 27.29 %CV

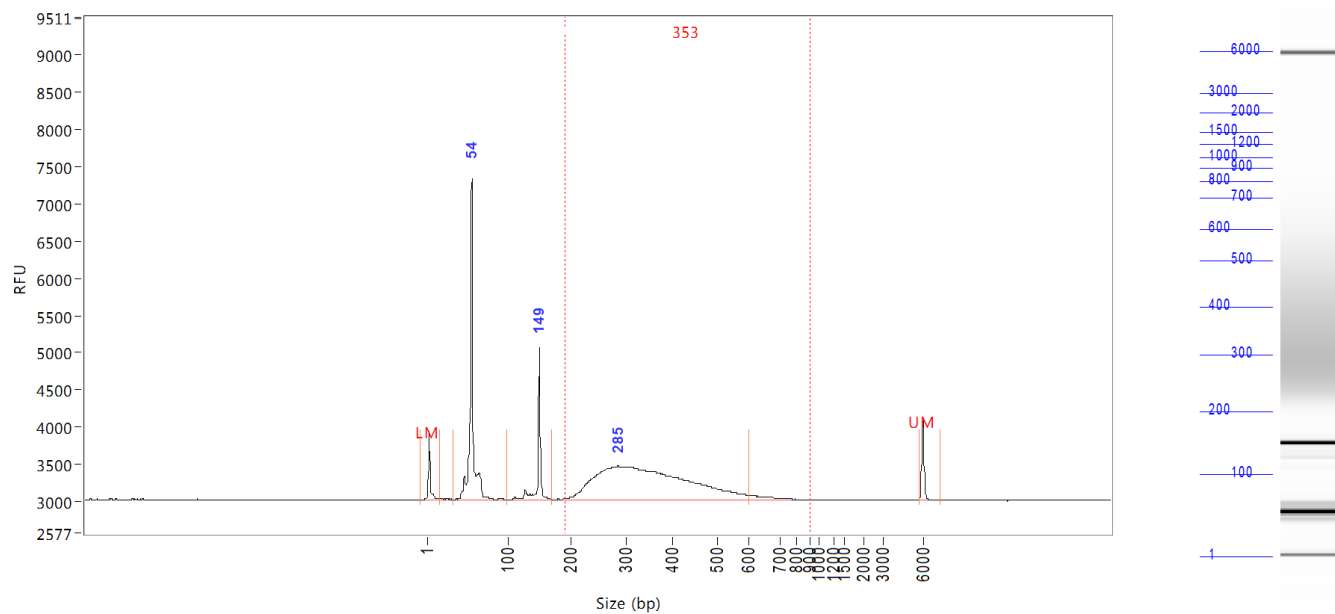
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
 Manual Baseline Start (min): 10 Manual Baseline End (min): 48
 Marker Peak Width (sec): 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: 4837-L3**Well Location:** C1**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	22	2	174.86	875	5.644
54	0.3527	28	93	54	11.61	2222	18.287
150	0.1665	103	181	147	7.02	1315	8.632
344	1.7118	181	757	372	28.38	403	88.741
6000 (UM)	0.0050	5720	6732	5996	1.65	905	3.137
TIC:		2.2310	ng/uL				
TIM:		20.636	nmole/L				
Total Conc.:		2.2589	ng/uL				

Smear Analysis 190 bp to 900 bp 1.7215 ng/uL 76.2 %Total 7.544 nmole/L 375 Avg. Size (b.p.) 29.66 %CV

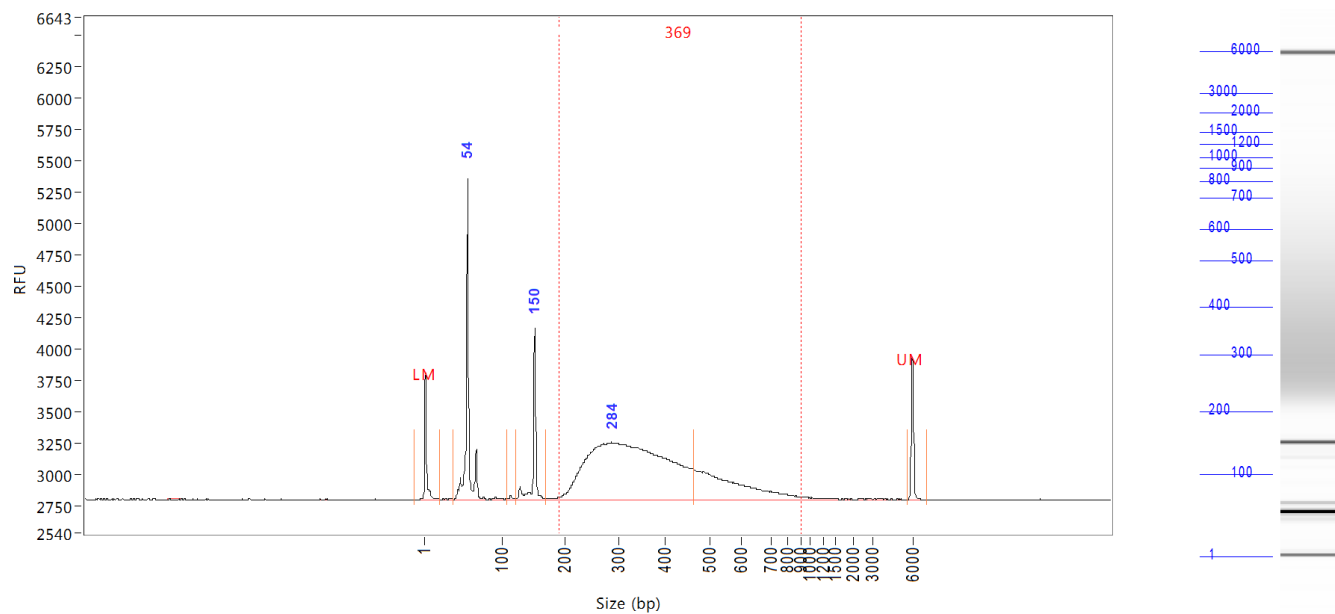
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L4**Well Location:** D1**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	15	2	158.71	918	6.277
54	0.6685	33	99	55	12.13	4326	38.549
149	0.2275	99	169	145	7.03	2046	13.117
285	1.5203	169	597	343	25.46	461	87.660
6000 (UM)	0.0055	5695	7238	5991	2.12	1078	3.783
TIC:		2.4163	ng/uL				
TIM:		31.426	nmole/L				
Total Conc.:		2.4839	ng/uL				

Smear Analysis 190 bp to 900 bp 1.5604 ng/uL 62.8 %Total 7.265 nmole/L 353 Avg. Size (b.p.) 29.00 %CV

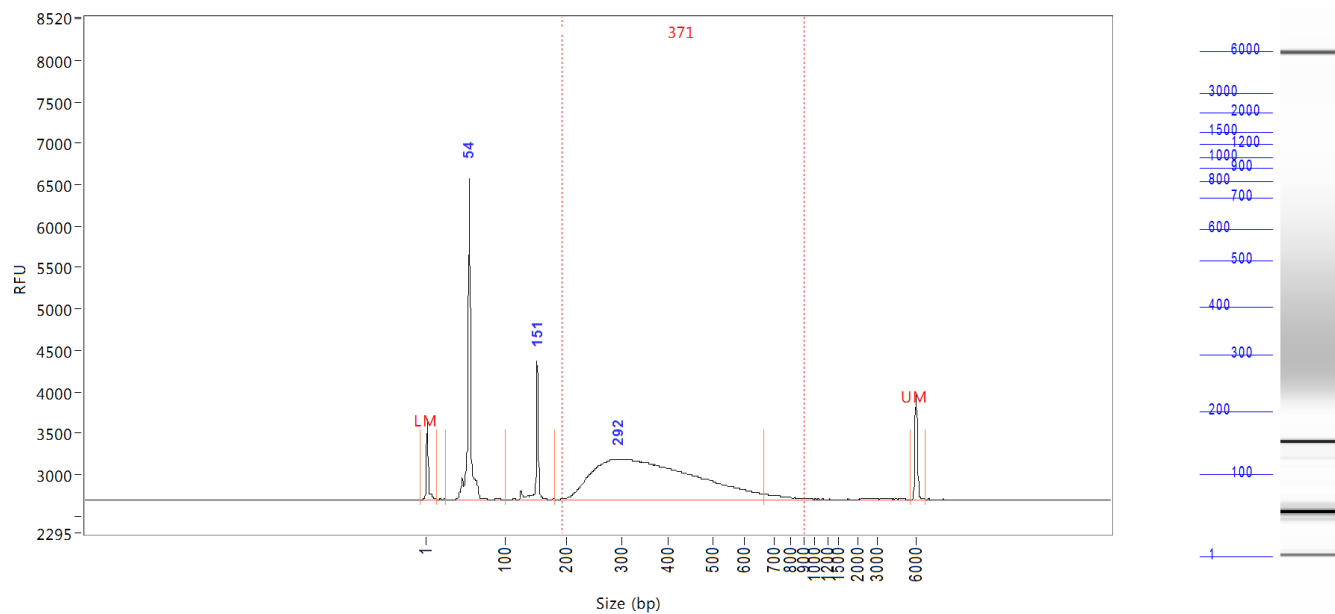
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L5**Well Location:** E1**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	20	2	194.15	1009	6.693
54	0.3462	37	107	55	14.57	2560	21.282
150	0.1434	122	170	147	5.58	1364	8.818
284	1.3373	170	463	321	21.30	460	82.221
6000 (UM)	0.0054	5695	7137	6003	2.23	1130	3.971
TIC:		1.8269	ng/uL				
TIM:		19.753	nmole/L				
Total Conc.:		2.1759	ng/uL				

Smear Analysis 190 bp to 900 bp 1.6454 ng/uL 75.6 %Total 7.339 nmole/L 369 Avg. Size (b.p.) 33.14 %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

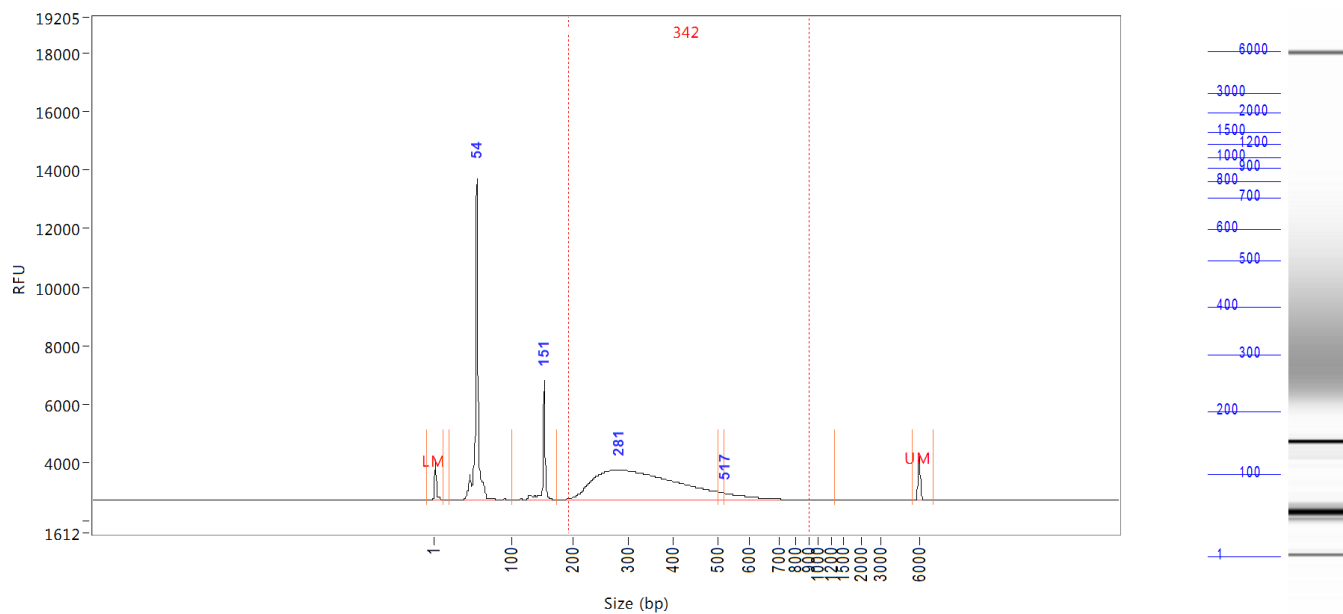
Sample: 4837-L6**Well Location:** F1**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	13	2	167.52	973	6.187
54	0.5710	26	102	54	11.59	3885	32.450
151	0.1880	102	180	147	7.12	1673	10.687
292	1.8449	180	668	363	27.83	493	104.851
6000 (UM)	0.0066	5568	6707	5998	1.89	1272	4.525

TIC: 2.6040 ng/uL
TIM: 29.788 nmole/L
Total Conc.: 2.6732 ng/uL

Smear Analysis 190 bp to 900 bp 1.8835 ng/uL 70.5 %Total 8.351 nmole/L 371 Avg. Size (b.p.) 30.74 %CV

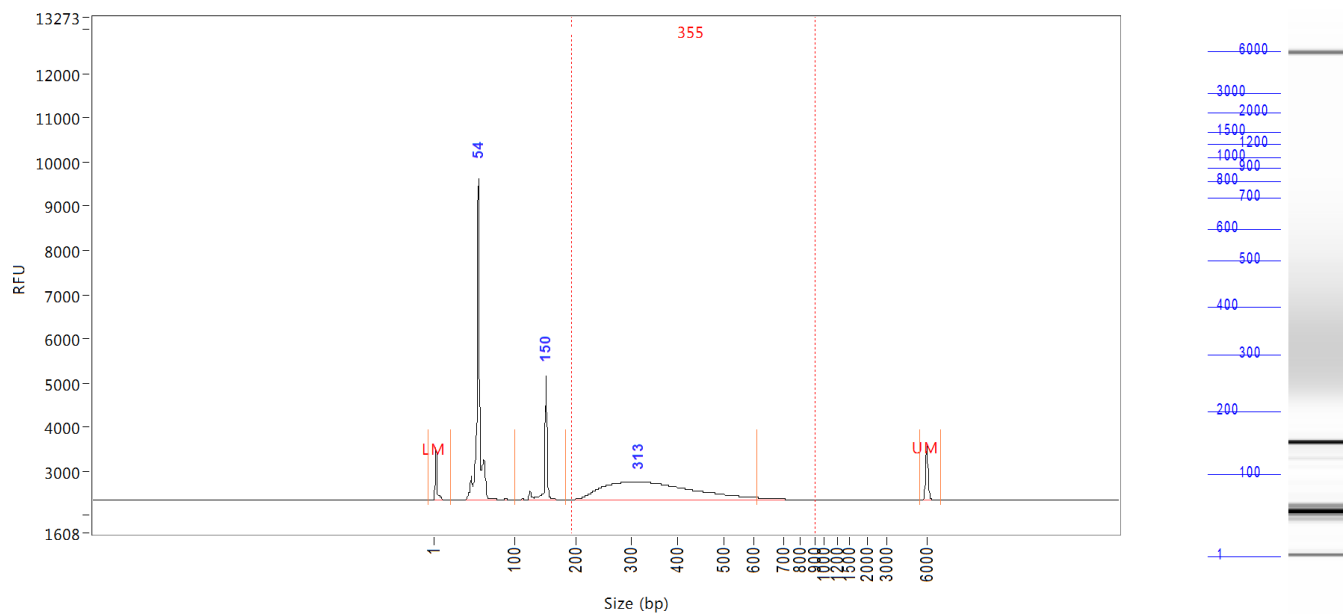
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L7**Well Location:** G1**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	13	2	155.79	1384	8.813
54	1.1213	20	99	54	11.43	10989	90.772
151	0.3241	99	171	147	6.61	4087	26.235
281	2.2889	171	499	323	22.86	1044	185.296
517	0.1497	517	1283	611	16.61	251	12.118
6000 (UM)	0.0055	5543	7035	5986	2.05	1489	5.345
TIC:		3.8839	ng/uL				
TIM:		51.468	nmole/L				
Total Conc.:		3.9295	ng/uL				

Smear Analysis 190 bp to 900 bp 2.4561 ng/uL 62.5 %Total 11.798 nmole/L 342 Avg. Size (b.p.) 29.07 %CV

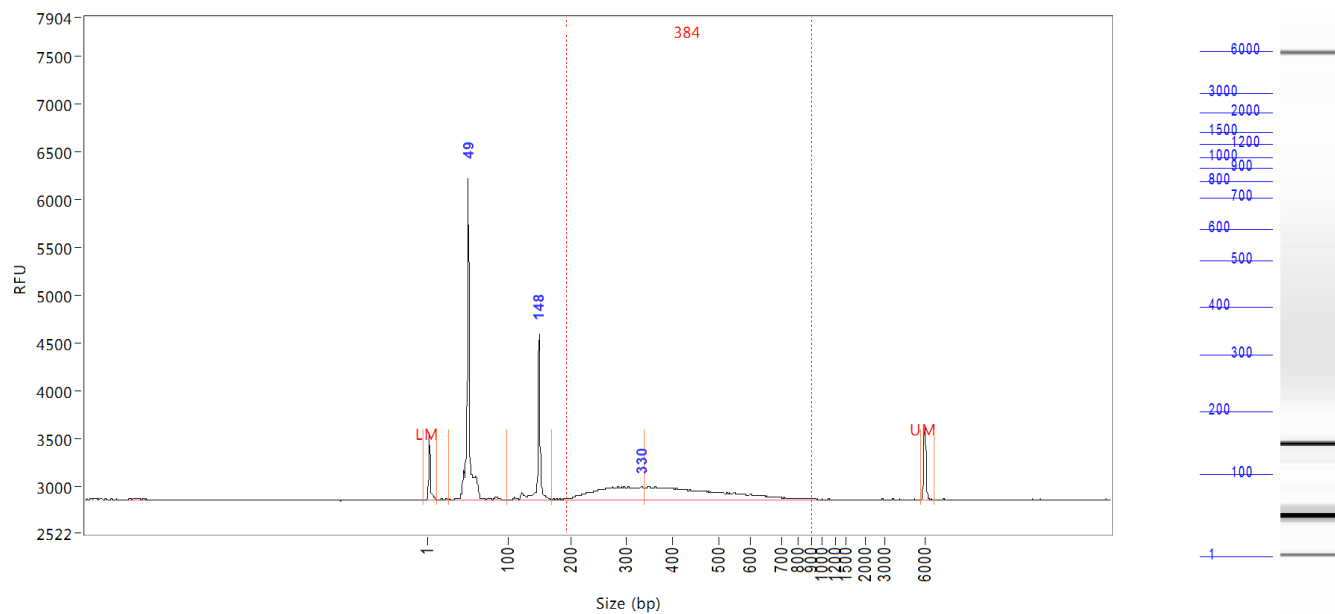
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L8**Well Location:** H1**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	20	2	175.71	1180	7.650
54	0.8929	20	102	54	11.33	7284	62.750
150	0.2566	102	182	146	6.60	2818	18.029
313	1.1460	182	607	345	25.26	417	80.534
6000 (UM)	0.0054	5517	7061	6000	2.19	1229	4.588
TIC:		2.2955	ng/uL				
TIM:		35.750	nmole/L				
Total Conc.:		2.3442	ng/uL				

Smear Analysis 190 bp to 900 bp 1.1777 ng/uL 50.2 %Total 5.459 nmole/L 355 Avg. Size (b.p.) 29.09 %CV

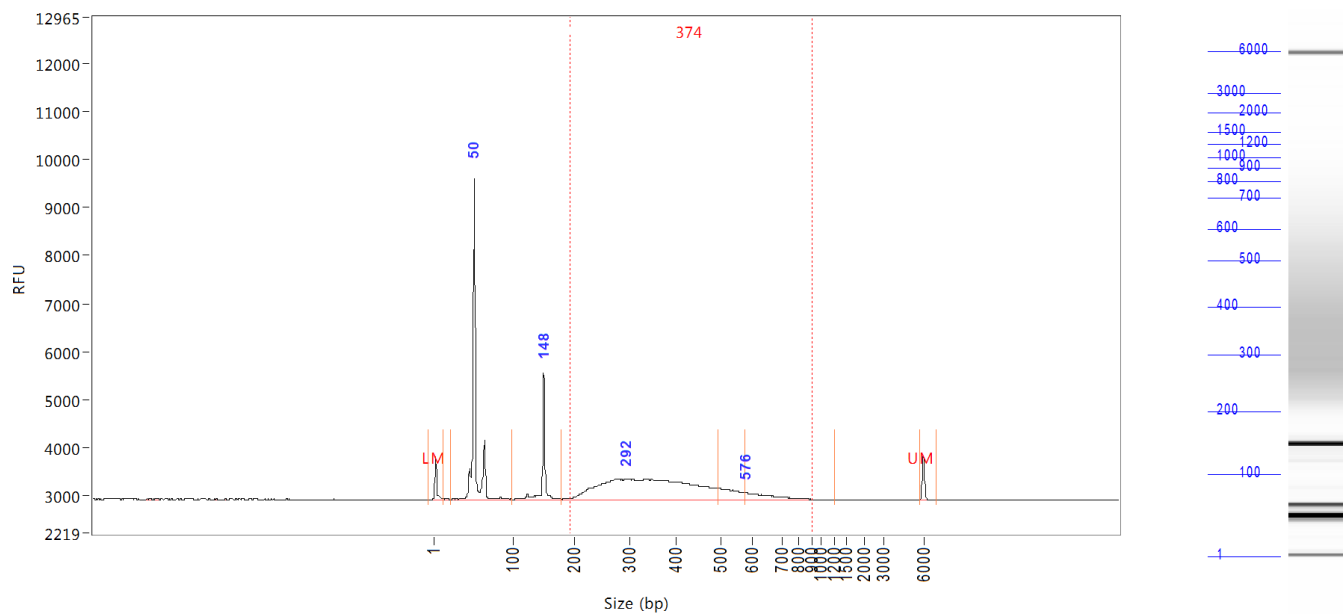
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L9**Well Location:** A2**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	1	157.49	712	4.350
49	0.6947	26	98	51	14.07	3360	27.762
148	0.2813	98	169	144	6.74	1731	11.240
330	0.3778	169	337	273	14.06	137	15.098
6000 (UM)	0.0056	5670	6682	5983	1.81	753	2.676
TIC:		1.3538	ng/uL				
TIM:		28.082	nmole/L				
Total Conc.:		1.8742	ng/uL				

Smear Analysis 190 bp to 900 bp 0.8648 ng/uL 46.1 %Total 3.706 nmole/L 384 Avg. Size (b.p.) 33.26 %CV

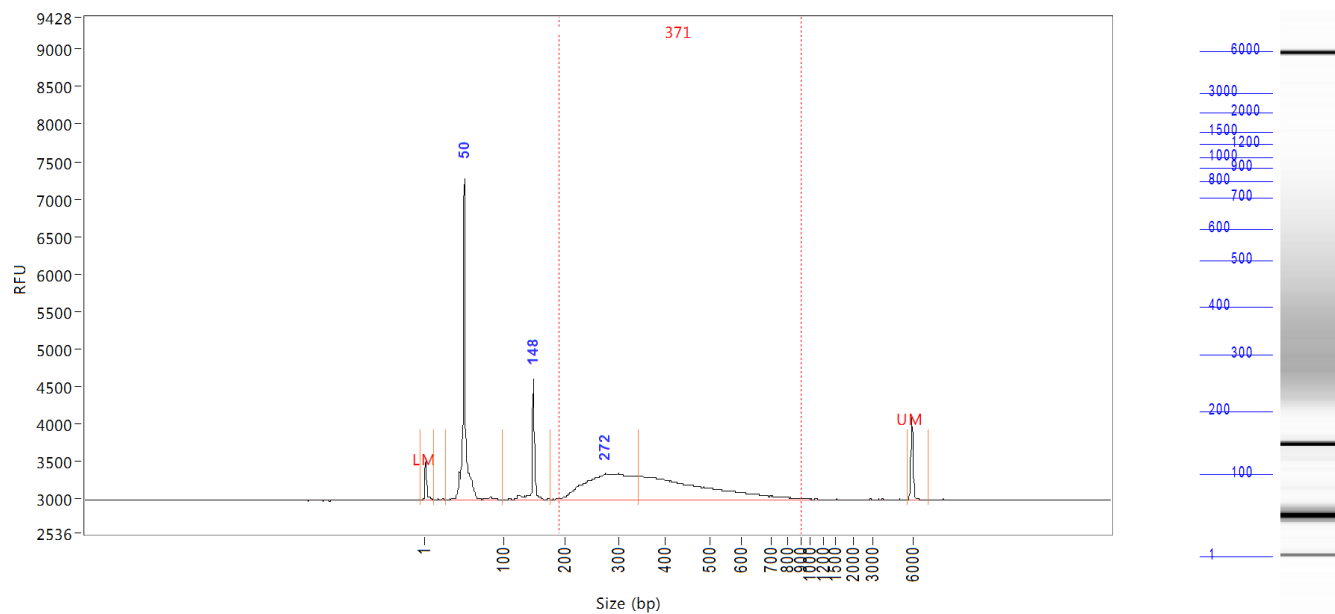
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L10**Well Location:** B2**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	1	154.41	897	5.499
50	1.0923	21	98	52	14.61	6694	55.175
148	0.3338	98	177	145	6.97	2641	16.861
292	1.7473	177	493	336	23.00	430	88.258
576	0.1459	576	1210	667	13.16	152	7.369
6000 (UM)	0.0053	5720	6934	5987	1.67	918	3.213
TIC:		3.3193	ng/uL				
TIM:		49.942	nmole/L				
Total Conc.:		3.4849	ng/uL				

Smear Analysis 190 bp to 900 bp 2.0438 ng/ul 58.6 %Total 8.994 nmole/L 374 Avg. Size (b.p.) 31.72 %CV

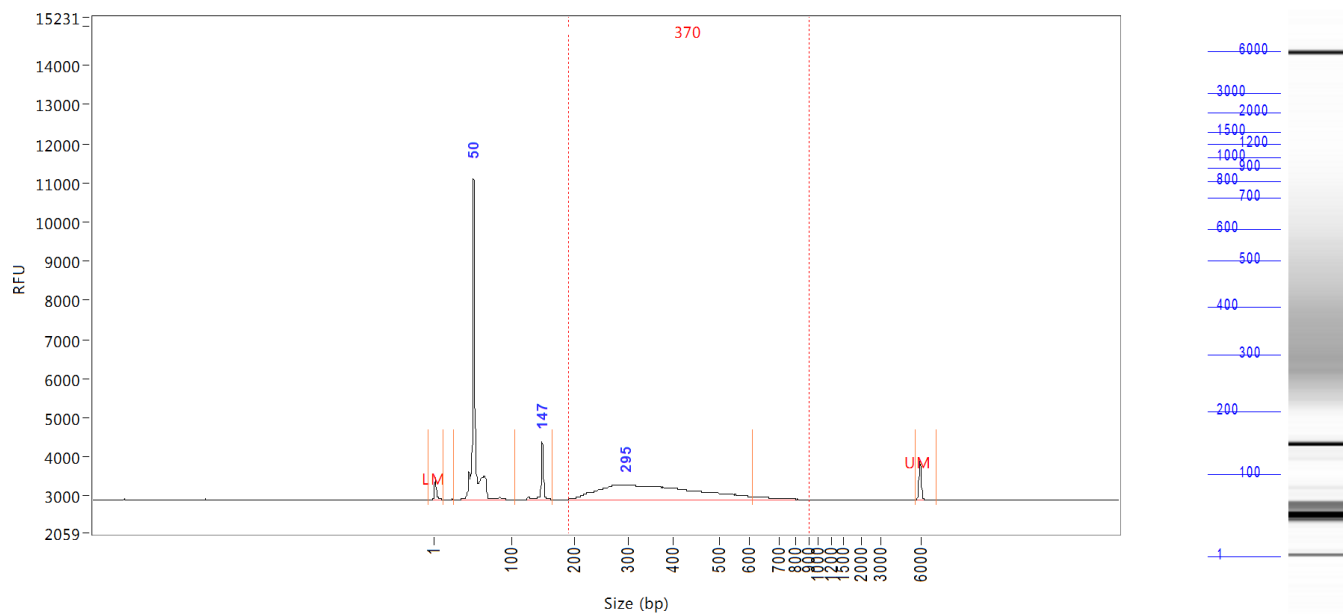
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L11**Well Location:** C2**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	1	176.71	565	3.610
50	1.0929	26	99	51	14.63	4304	36.242
148	0.3314	99	175	144	7.56	1621	10.991
272	1.1740	175	340	275	13.58	356	38.931
6000 (UM)	0.0096	5695	7187	5995	2.31	1090	3.804
TIC:		2.5984	ng/uL				
TIM:		46.762	nmole/L				
Total Conc.:		3.8769	ng/uL				

Smear Analysis 190 bp to 900 bp 2.3950 ng/uL 61.8 %Total 10.616 nmole/L 371 Avg. Size (b.p.) 33.31 %CV

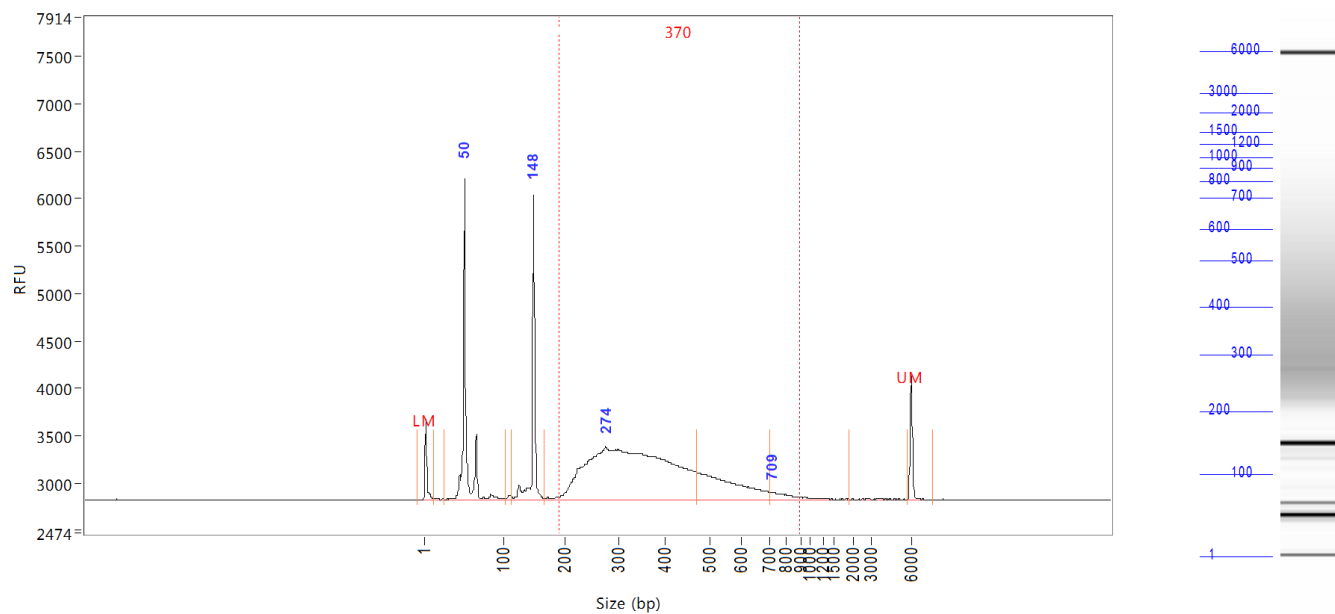
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L12**Well Location:** D2**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	13	2	158.43	578	3.695
50	2.0334	25	104	52	13.50	8212	69.025
147	0.2762	104	164	144	5.48	1475	9.377
295	2.3613	164	608	353	26.87	391	80.156
6000 (UM)	0.0088	5619	7187	6000	2.22	1002	3.583
TIC:		4.6710	ng/uL				
TIM:		83.202	nmole/L				
Total Conc.:		4.8170	ng/uL				

Smear Analysis 190 bp to 900 bp 2.4686 ng/uL 51.2 %Total 10.974 nmole/L 370 Avg. Size (b.p.) 31.77 %CV

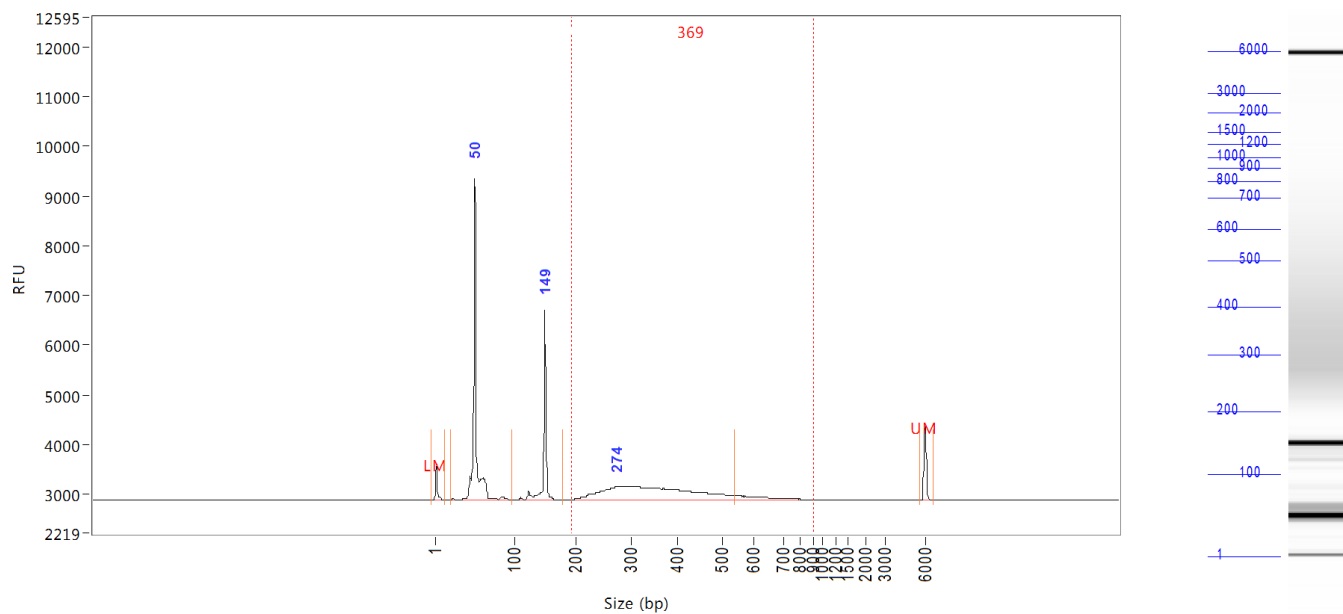
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L13**Well Location:** E2**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	1	157.63	853	5.225
50	0.6231	26	104	53	18.40	3392	29.902
148	0.4226	113	166	145	5.46	3209	20.282
274	2.0981	166	470	323	22.20	560	100.691
709	0.0623	703	1917	879	25.45	77	2.988
6000 (UM)	0.0079	5695	7616	5994	2.19	1307	4.530
TIC:		3.2060	ng/uL				
TIM:		37.786	nmole/L				
Total Conc.:		3.6583	ng/uL				

Smear Analysis 190 bp to 900 bp 2.5569 ng/uL 69.9 %Total 11.375 nmole/L 370 Avg. Size (b.p.) 33.21 %CV

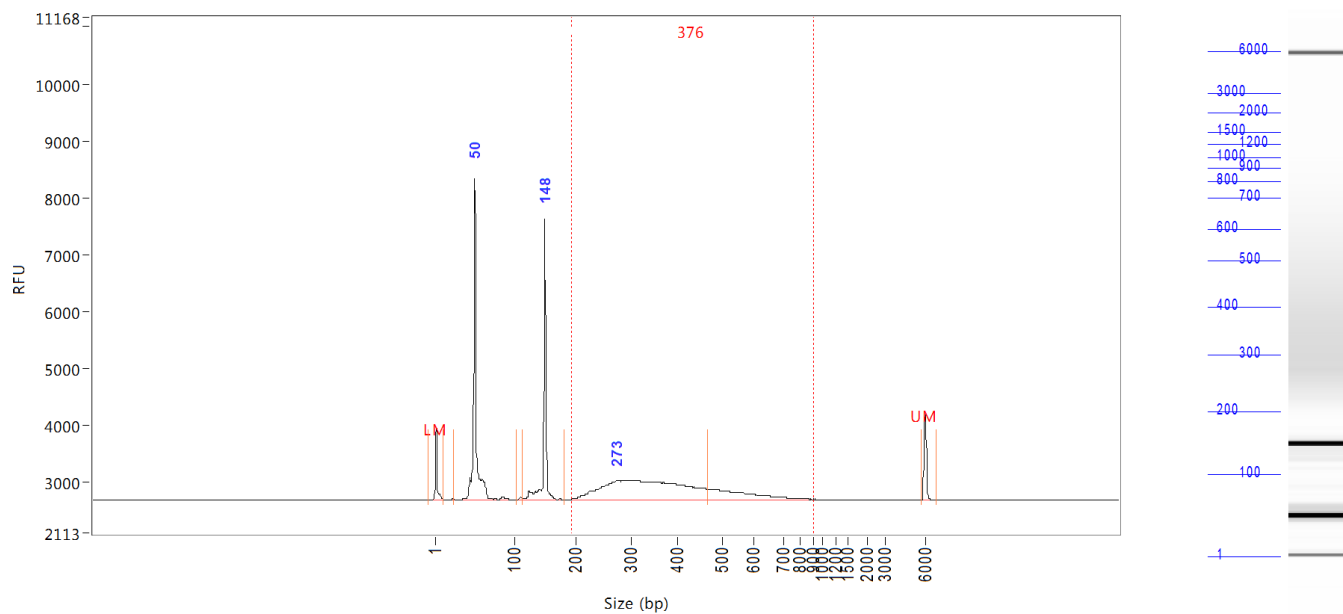
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L14**Well Location:** F2**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	13	2	138.83	726	4.624
50	1.2380	21	96	51	14.56	6476	52.584
149	0.5580	96	179	145	6.68	3836	23.701
274	1.2466	179	538	342	23.94	285	52.948
6000 (UM)	0.0100	5619	6606	5988	1.59	1477	5.080
TIC:		3.0425	ng/uL				
TIM:		54.422	nmole/L				
Total Conc.:		3.1958	ng/uL				

Smear Analysis 190 bp to 900 bp 1.3737 ng/uL 43.0 %Total 6.118 nmole/L 369 Avg. Size (b.p.) 31.91 %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

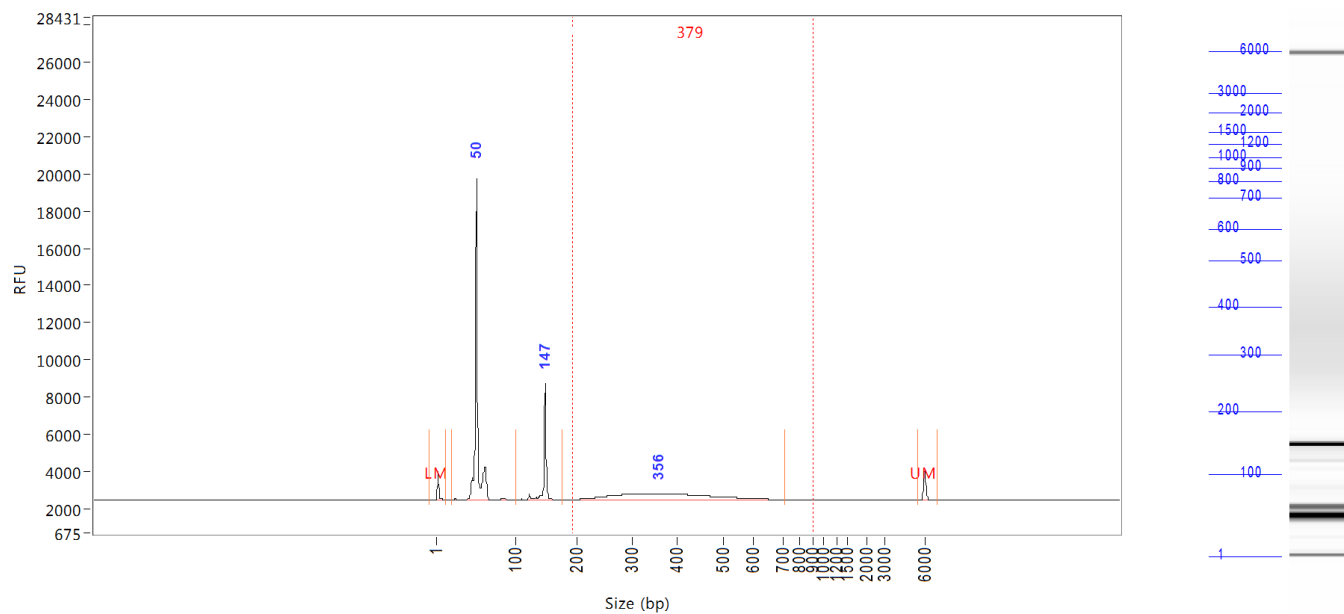
Sample: 4837-L15**Well Location:** G2**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	1	173.69	1268	7.742
50	0.6436	25	104	51	15.39	5654	45.769
148	0.4206	113	181	145	5.59	4946	29.910
273	0.8906	181	468	328	21.14	355	63.335
6000 (UM)	0.0061	5695	6783	5975	1.75	1512	5.227

TIC: 1.9548 ng/uL
 TIM: 31.222 nmole/L
 Total Conc.: 2.2045 ng/uL

Smear Analysis 190 bp to 900 bp 1.1047 ng/uL 50.1 %Total 4.834 nmole/L 376 Avg. Size (b.p.) 32.21 %CV

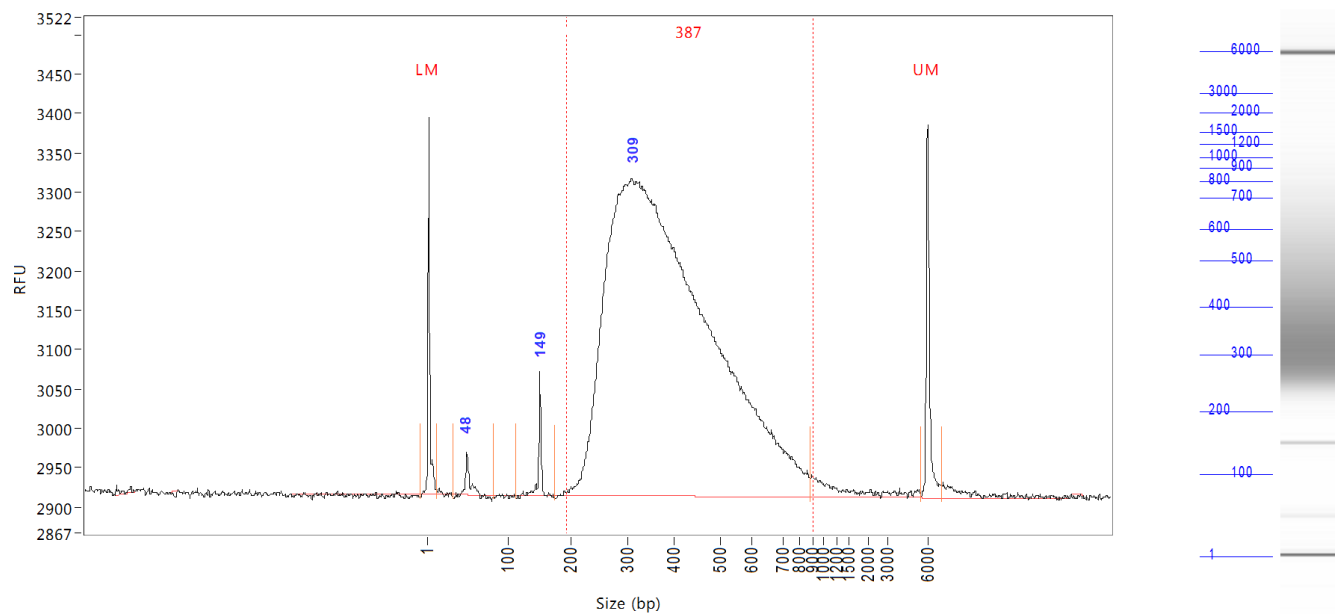
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
 Manual Baseline Start (min): 10 Manual Baseline End (min): 48
 Marker Peak Width (sec): 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: 4837-L16**Well Location:** H2**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	1	168.69	1574	9.670
50	1.5204	20	100	51	13.23	17345	135.051
147	0.4323	100	176	144	6.21	6308	38.400
356	0.9423	176	709	373	28.64	387	83.703
6000 (UM)	0.0055	5492	6909	5991	2.10	1598	5.864
TIC:		2.8950	ng/uL				
TIM:		59.247	nmole/L				
Total Conc.:		2.9294	ng/uL				

Smear Analysis 190 bp to 900 bp 0.9498 ng/uL 32.4 %Total 4.119 nmole/L 379 Avg. Size (b.p.) 30.36 %CV

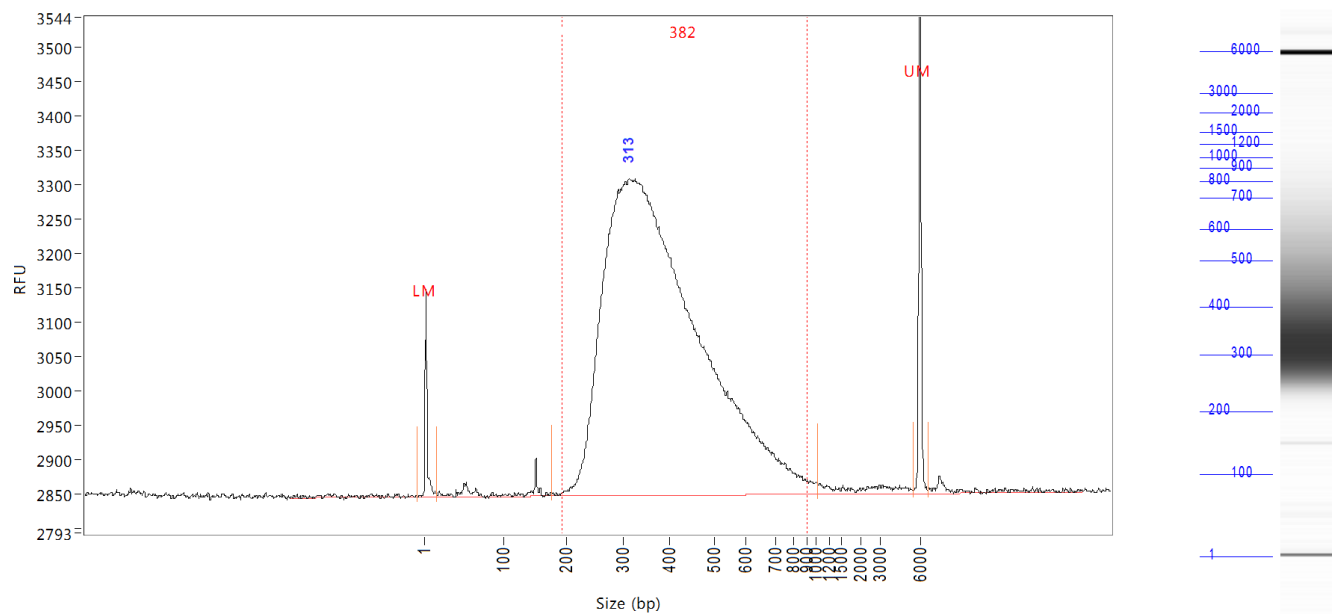
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L17**Well Location:** A3**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	2	148.96	480	3.118
48	0.0235	32	82	50	9.41	54	0.673
149	0.0333	112	173	147	3.84	157	0.955
309	2.9055	173	883	387	30.48	403	83.212
6000 (UM)	0.0063	5492	7086	6072	4.15	473	2.159
TIC:		2.9624	ng/uL				
TIM:		16.632	nmole/L				
Total Conc.:		3.0092	ng/uL				

Smear Analysis 190 bp to 900 bp 2.9078 ng/uL 96.6 %Total 12.359 nmole/L 387 Avg. Size (b.p.) 30.69 %CV

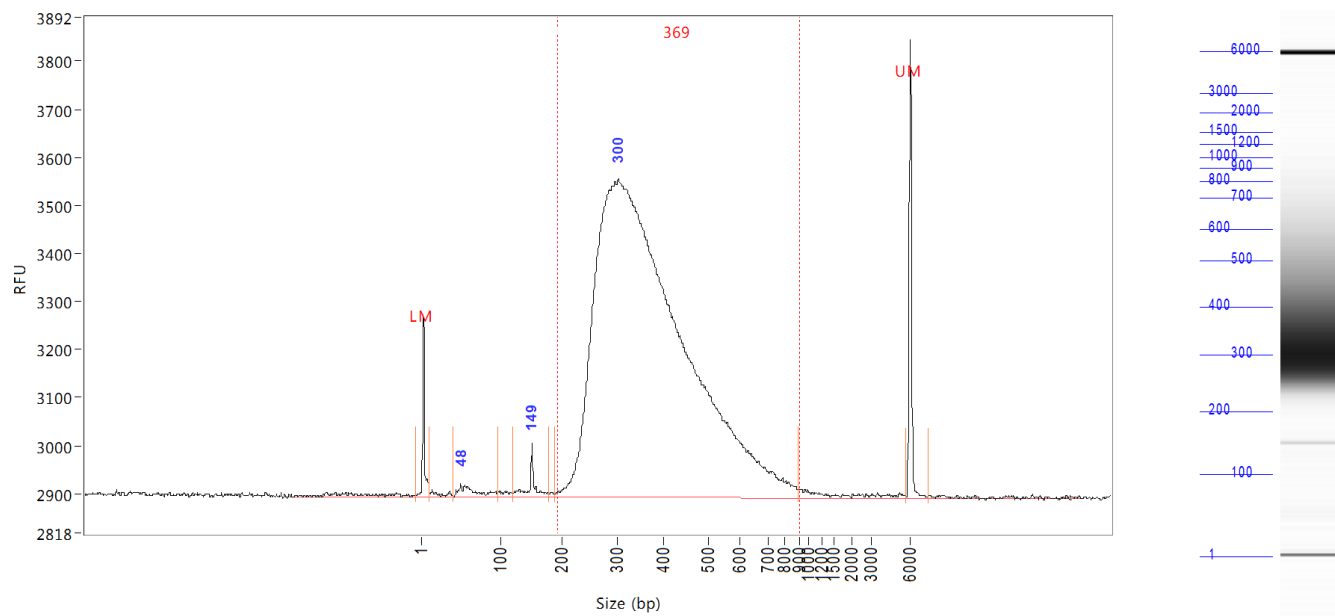
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L18**Well Location:** B3**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	16	2	158.39	303	2.039
313	4.7487	176	1011	383	30.32	462	88.927
6000 (UM)	0.0128	5517	6581	5989	1.81	815	2.876
TIC:		4.7487	ng/uL				
TIM:		24.978	nmole/L				
Total Conc.:		4.8737	ng/uL				

Smear Analysis 190 bp to 900 bp 4.7324 ng/ul 97.1 %Total 20.393 nmole/L 382 Avg. Size (b.p.) 29.41 %CV

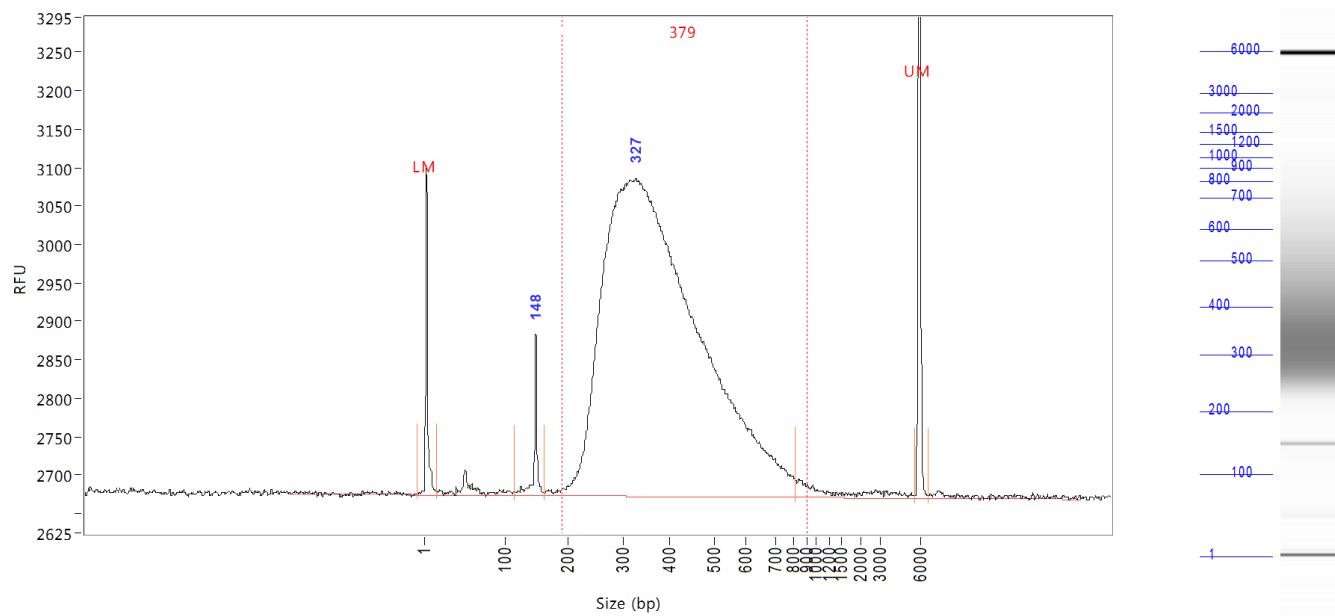
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L19**Well Location:** C3**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	10	1	186.72	380	2.500
48	0.0571	39	95	63	24.35	28	1.311
149	0.0590	120	178	148	8.93	111	1.354
300	5.1692	187	898	369	29.14	664	118.707
6000 (UM)	0.0121	5720	7313	6013	2.71	953	3.344
TIC:		5.2853	ng/uL				
TIM:		30.941	nmole/L				
Total Conc.:		5.3622	ng/uL				

Smear Analysis 190 bp to 900 bp 5.1683 ng/uL 96.4 %Total 23.046 nmole/L 369 Avg. Size (b.p.) 29.15 %CV

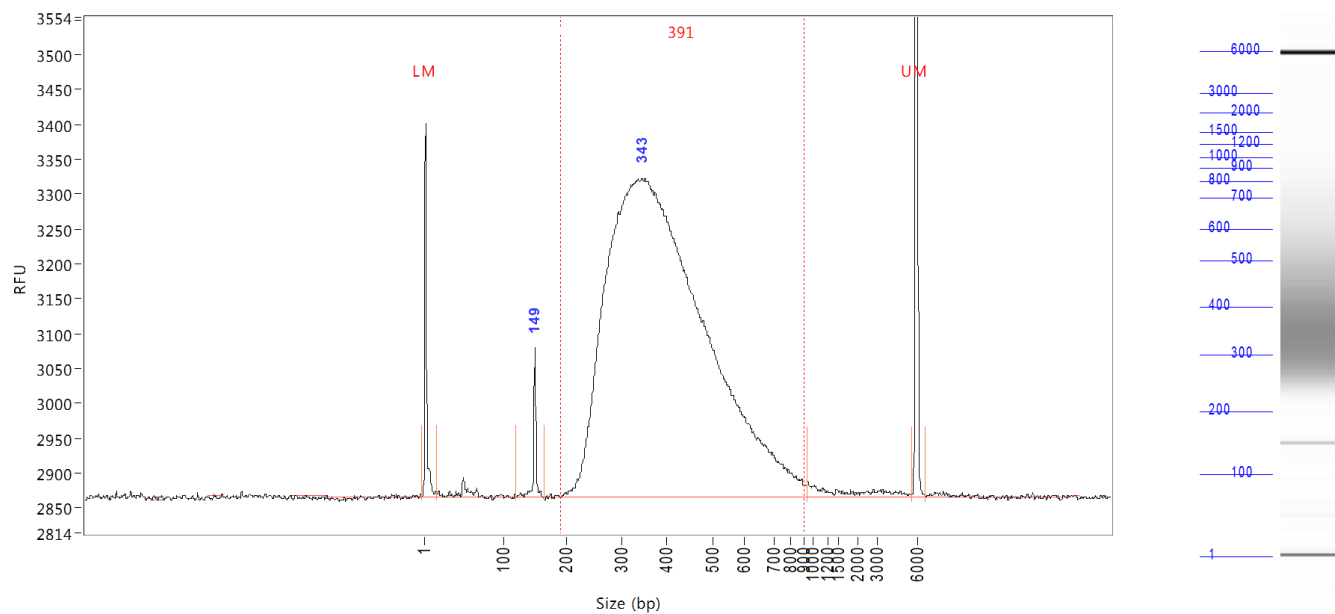
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L20**Well Location:** D3**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	15	2	182.06	428	2.841
148	0.0577	115	162	144	5.90	211	1.507
327	3.0948	162	823	377	28.61	414	80.760
6000 (UM)	0.0103	5670	6657	5974	1.65	940	3.211
TIC:		3.1526	ng/uL				
TIM:		16.194	nmole/L				
Total Conc.:		3.2440	ng/uL				

Smear Analysis 190 bp to 900 bp 3.0977 ng/uL 95.5 %Total 13.431 nmole/L 379 Avg. Size (b.p.) 29.28 %CV

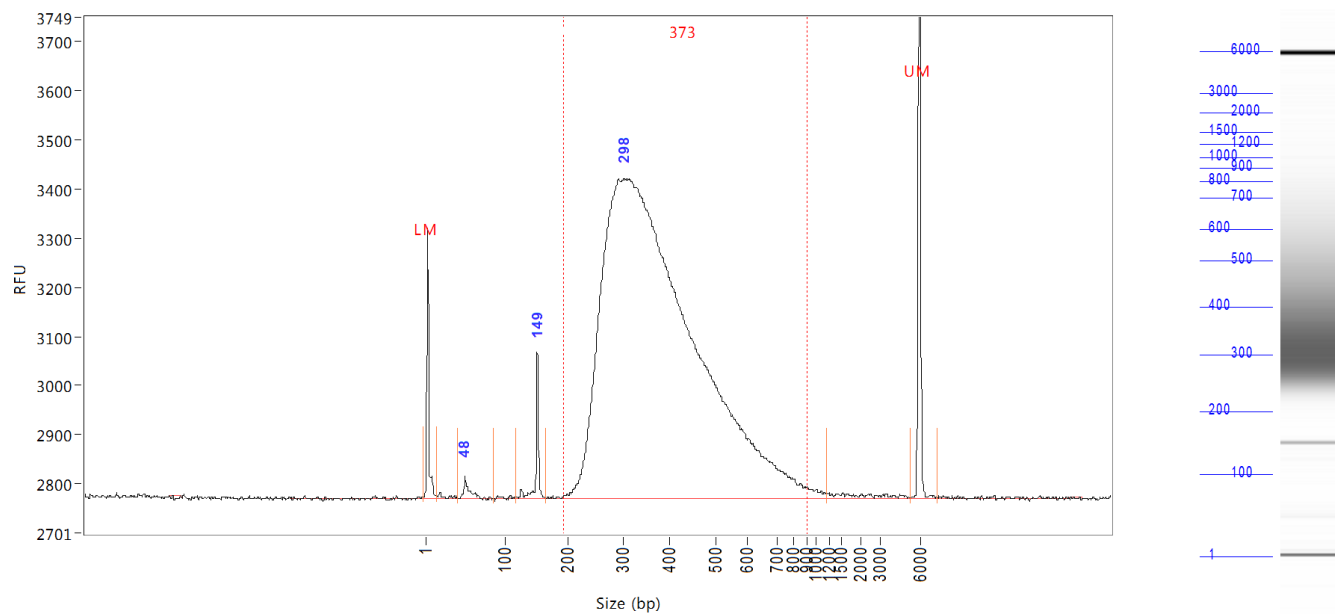
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L21**Well Location:** E3**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	15	2	154.52	536	3.340
149	0.0397	119	165	147	3.77	214	1.217
343	2.9746	165	934	391	28.75	457	91.271
6000 (UM)	0.0099	5619	6657	5987	1.57	1067	3.642
TIC:		3.0142	ng/uL				
TIM:		14.714	nmole/L				
Total Conc.:		3.0658	ng/uL				

Smear Analysis 190 bp to 900 bp 2.9711 ng/uL 96.9 %Total 12.508 nmole/L 391 Avg. Size (b.p.) 28.49 %CV

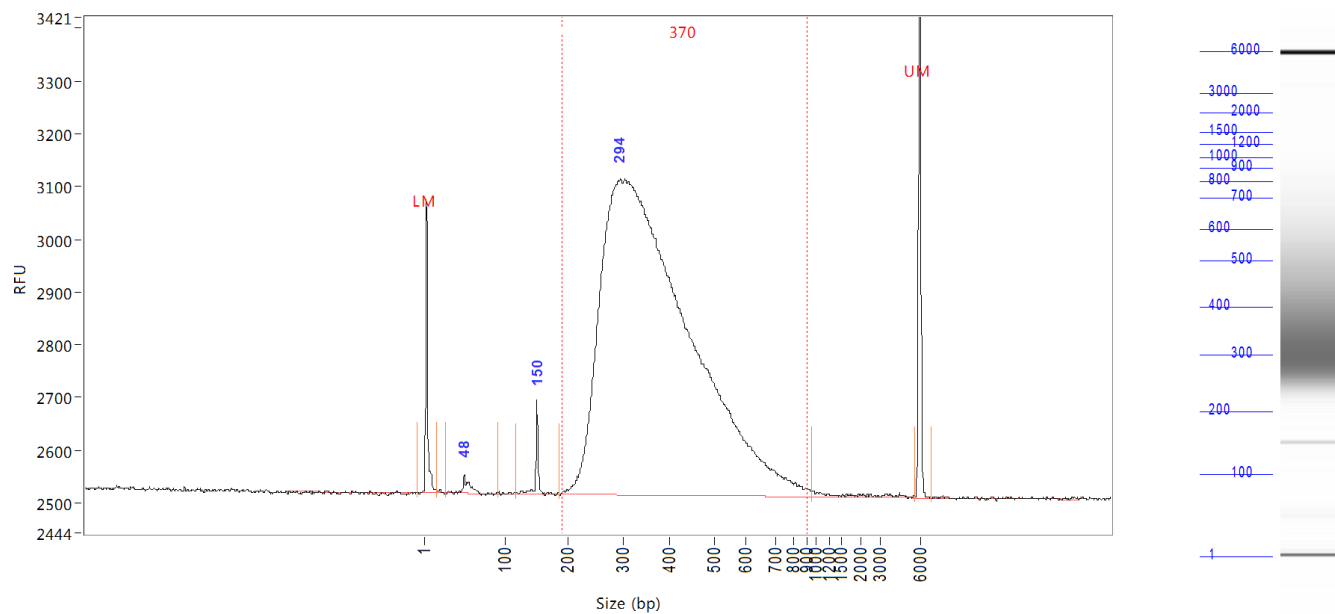
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L22**Well Location:** F3**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	14	2	151.51	550	3.442
48	0.0208	39	85	52	11.75	46	0.659
149	0.0583	116	163	146	5.25	297	1.842
298	3.8024	163	1149	376	30.53	650	120.239
6000 (UM)	0.0119	5365	7389	5978	2.38	1310	4.528
TIC:		3.8815	ng/uL				
TIM:		22.335	nmole/L				
Total Conc.:		3.9082	ng/uL				

Smear Analysis 190 bp to 900 bp 3.7886 ng/uL 96.9 %Total 16.688 nmole/L 373 Avg. Size (b.p.) 29.16 %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

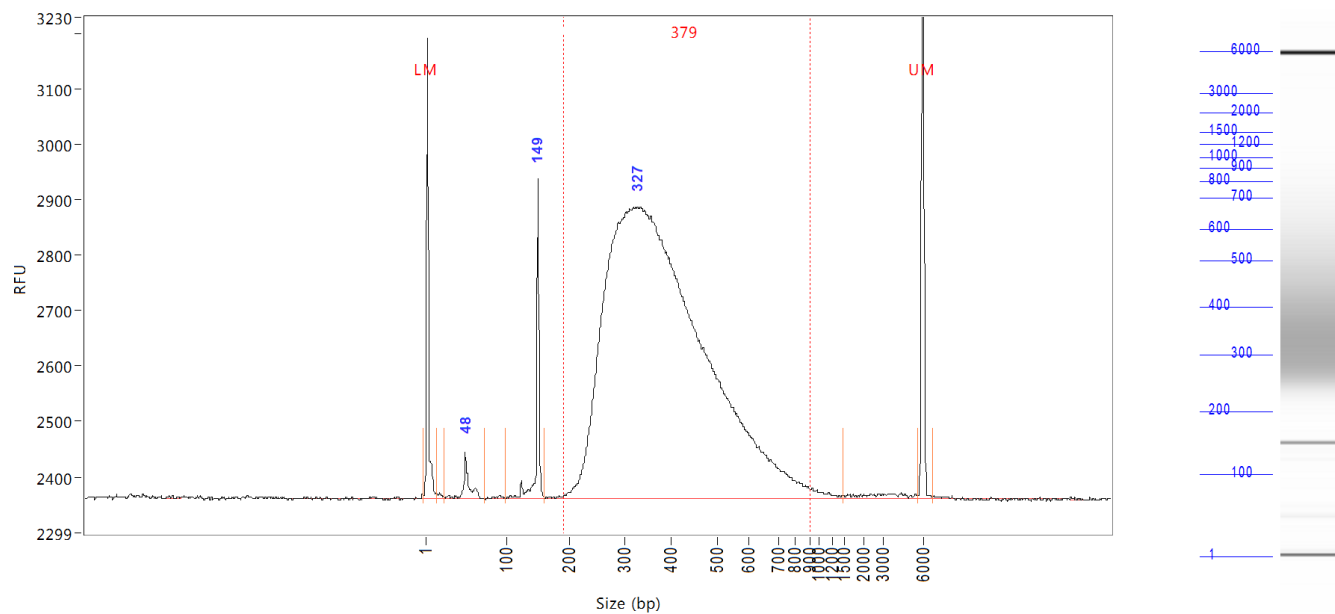
Sample: 4837-L23**Well Location:** G3**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	14	2	155.98	556	3.495
48	0.0212	26	92	52	18.03	35	0.681
150	0.0345	117	186	148	5.70	178	1.109
294	3.3834	186	956	370	28.51	600	108.632
6000 (UM)	0.0101	5695	6909	5992	1.59	1146	3.890

TIC: 3.4392 ng/uL
TIM: 20.039 nmole/L
Total Conc.: 3.4579 ng/uL

Smear Analysis 190 bp to 900 bp 3.3803 ng/uL 97.8 %Total 15.037 nmole/L 370 Avg. Size (b.p.) 28.20 %CV

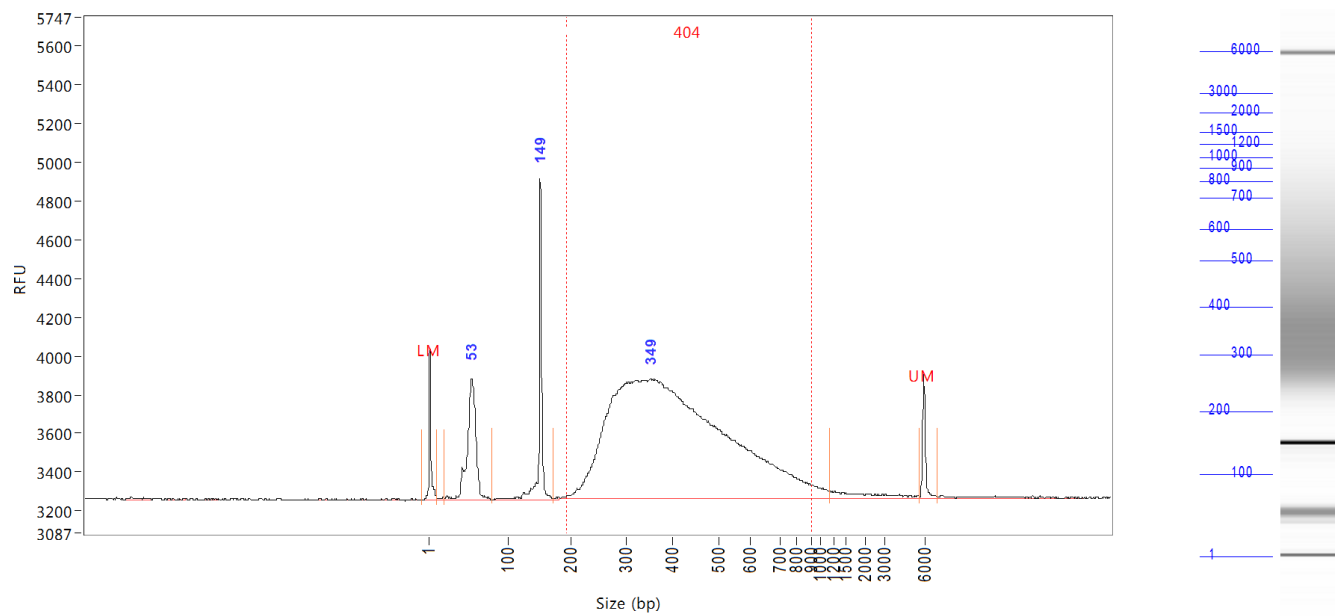
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L24**Well Location:** H3**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	15	2	144.27	833	5.420
48	0.0258	23	73	50	16.44	84	1.282
149	0.0718	98	159	145	6.58	579	3.577
327	2.1242	159	1473	382	31.12	528	105.754
6000 (UM)	0.0079	5593	6732	5972	1.65	1385	4.737
TIC:		2.2218	ng/uL				
TIM:		12.366	nmole/L				
Total Conc.:		2.2393	ng/uL				

Smear Analysis 190 bp to 900 bp 2.1125 ng/uL 94.3 %Total 9.165 nmole/L 379 Avg. Size (b.p.) 28.89 %CV

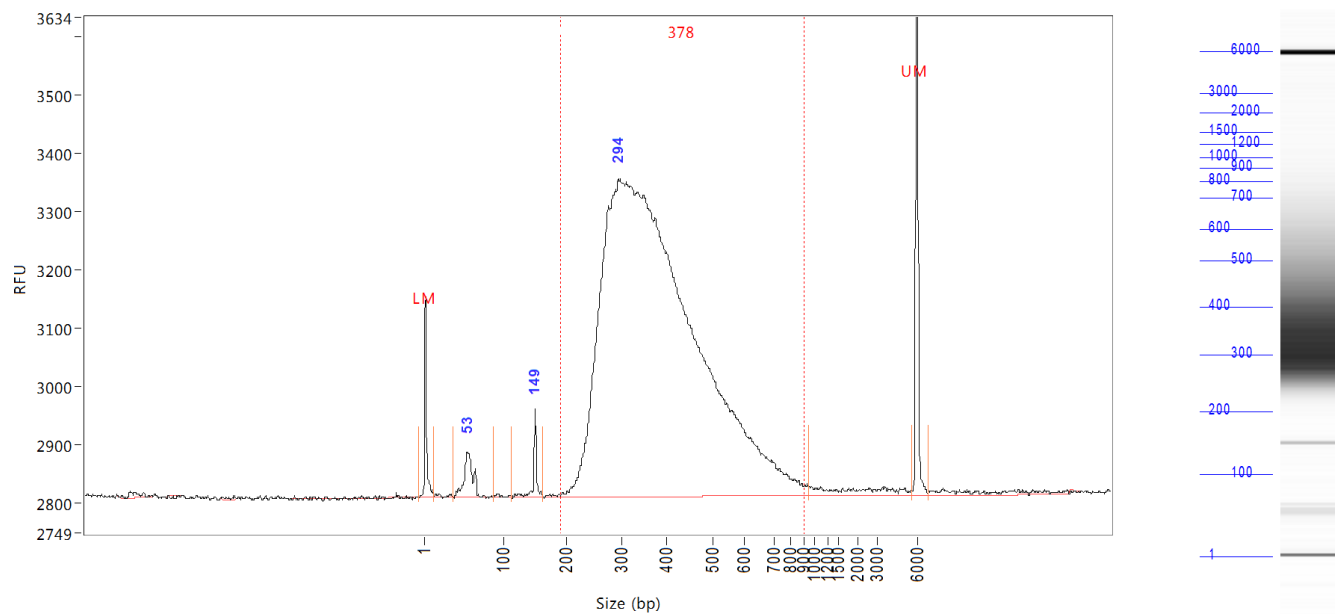
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L25**Well Location:** A4**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	11	1	190.35	778	4.908
53	0.3552	20	79	52	13.01	621	16.015
149	0.2421	79	171	146	7.46	1655	10.913
349	3.2094	171	1144	409	34.66	620	144.687
6000 (UM)	0.0049	5720	7010	6022	3.12	642	2.629
TIC:		3.8067	ng/uL				
TIM:		28.740	nmole/L				
Total Conc.:		3.8590	ng/uL				

Smear Analysis 190 bp to 900 bp 3.1737 ng/uL 82.2 %Total 12.941 nmole/L 404 Avg. Size (b.p.) 32.12 %CV

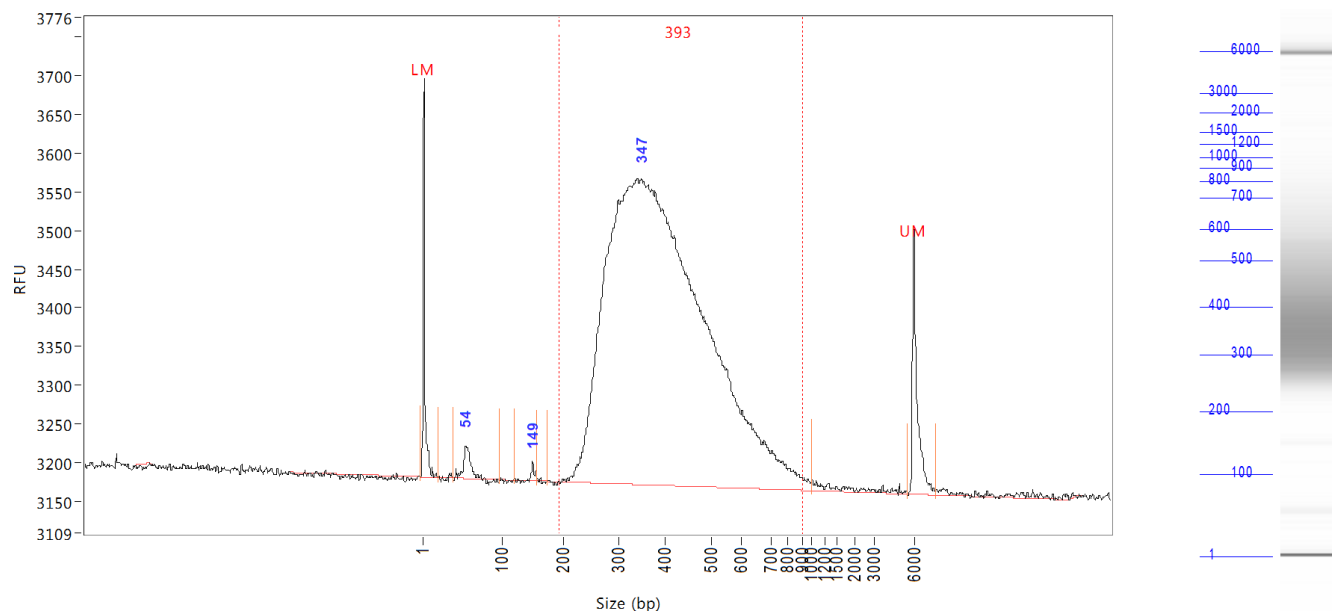
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L26**Well Location:** B4**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	1	175.01	345	2.216
53	0.1031	37	87	55	13.07	78	2.100
149	0.0521	111	163	146	6.04	152	1.061
294	5.0600	163	941	378	29.04	546	103.019
6000 (UM)	0.0138	5644	6808	6009	2.17	930	3.380
TIC:		5.2152	ng/uL				
TIM:		32.077	nmole/L				
Total Conc.:		5.2904	ng/uL				

Smear Analysis 190 bp to 900 bp 5.0508 ng/uL 95.5 %Total 22.007 nmole/L 378 Avg. Size (b.p.) 28.72 %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

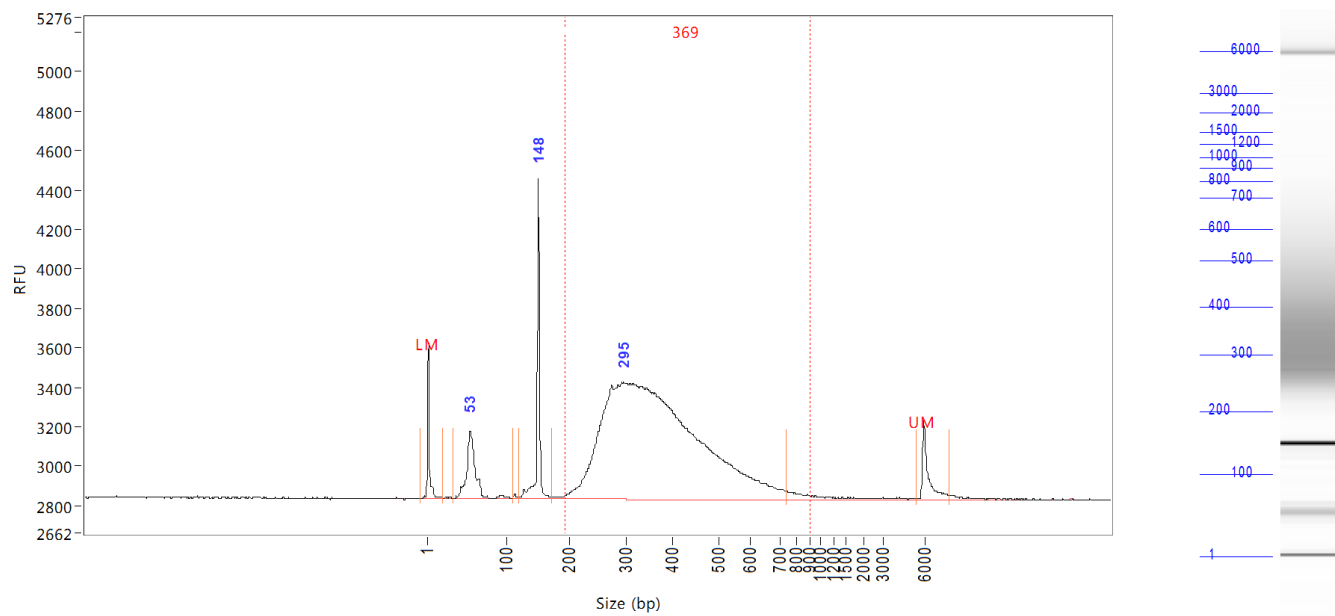
Sample: 4837-L27**Well Location:** C4**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	20	2	159.49	515	3.236
54	0.0322	40	97	55	12.21	43	0.958
149	0.0070	121	157	148	2.99	25	0.207
347	2.6692	172	1006	395	28.67	396	79.348
6000 (UM)	0.0063	5568	7642	6187	5.72	342	2.260

TIC: 2.7083 ng/uL
 TIM: 13.703 nmole/L
 Total Conc.: 2.7293 ng/uL

Smear Analysis 190 bp to 900 bp 2.6628 ng/uL 97.6 %Total 11.139 nmole/L 393 Avg. Size (b.p.) 27.96 %CV

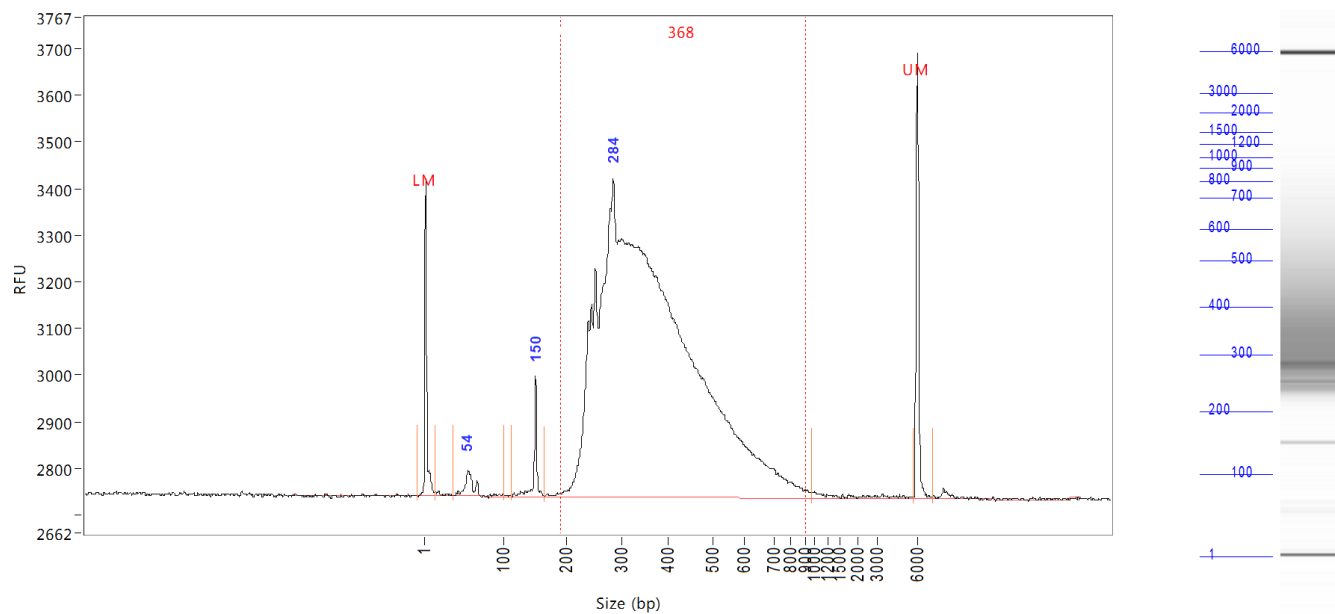
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
 Manual Baseline Start (min): 10 Manual Baseline End (min): 48
 Marker Peak Width (sec): 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: 4837-L28**Well Location:** D4**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	20	2	179.23	787	5.187
53	0.1946	34	108	56	19.97	346	9.273
148	0.2102	117	170	146	4.73	1626	10.013
295	2.4313	170	738	365	27.59	593	115.843
6000 (UM)	0.0056	5492	7844	6319	7.99	403	3.201
TIC:		2.8361	ng/uL				
TIM:		21.938	nmole/L				
Total Conc.:		2.8898	ng/uL				

Smear Analysis 190 bp to 900 bp 2.4456 ng/uL 84.6 %Total 10.902 nmole/L 369 Avg. Size (b.p.) 29.15 %CV

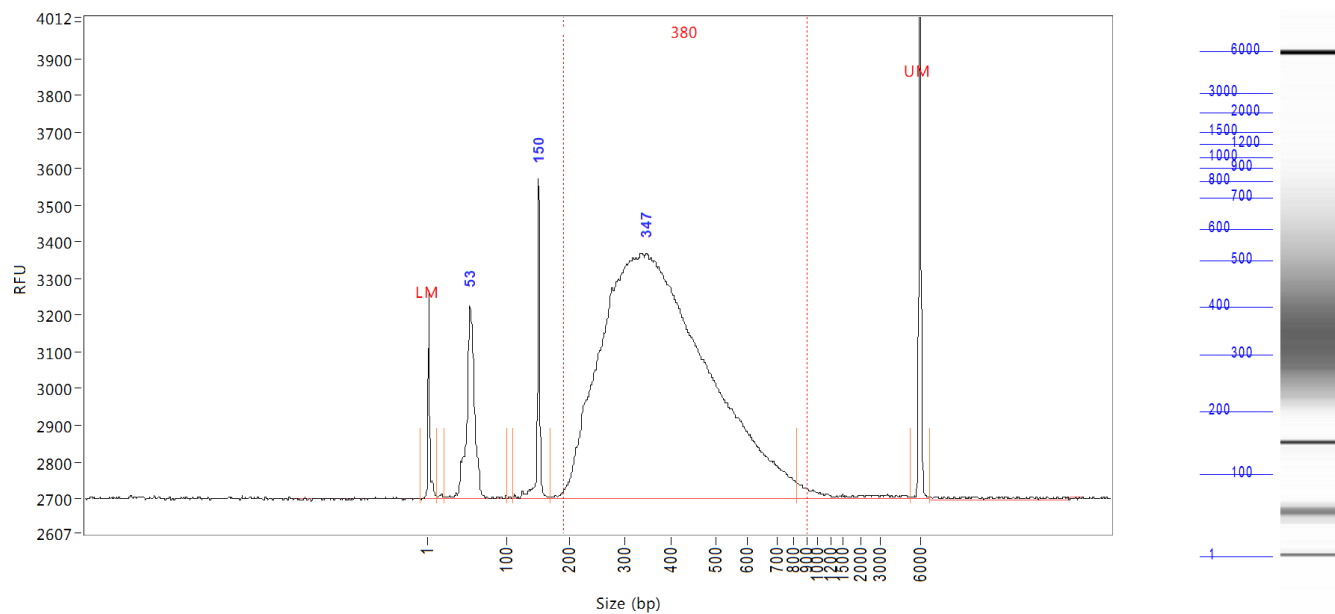
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L29**Well Location:** E4**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	15	2	148.14	680	4.480
54	0.0354	38	99	57	18.84	56	1.456
150	0.0418	113	164	146	5.93	260	1.722
284	2.7653	164	978	369	30.42	683	113.791
6000 (UM)	0.0071	5720	7086	6006	2.43	955	3.501
TIC:		2.8425	ng/uL				
TIM:		17.544	nmole/L				
Total Conc.:		2.8632	ng/uL				

Smear Analysis 190 bp to 900 bp 2.7583 ng/uL 96.3 %Total 12.316 nmole/L 368 Avg. Size (b.p.) 29.93 %CV

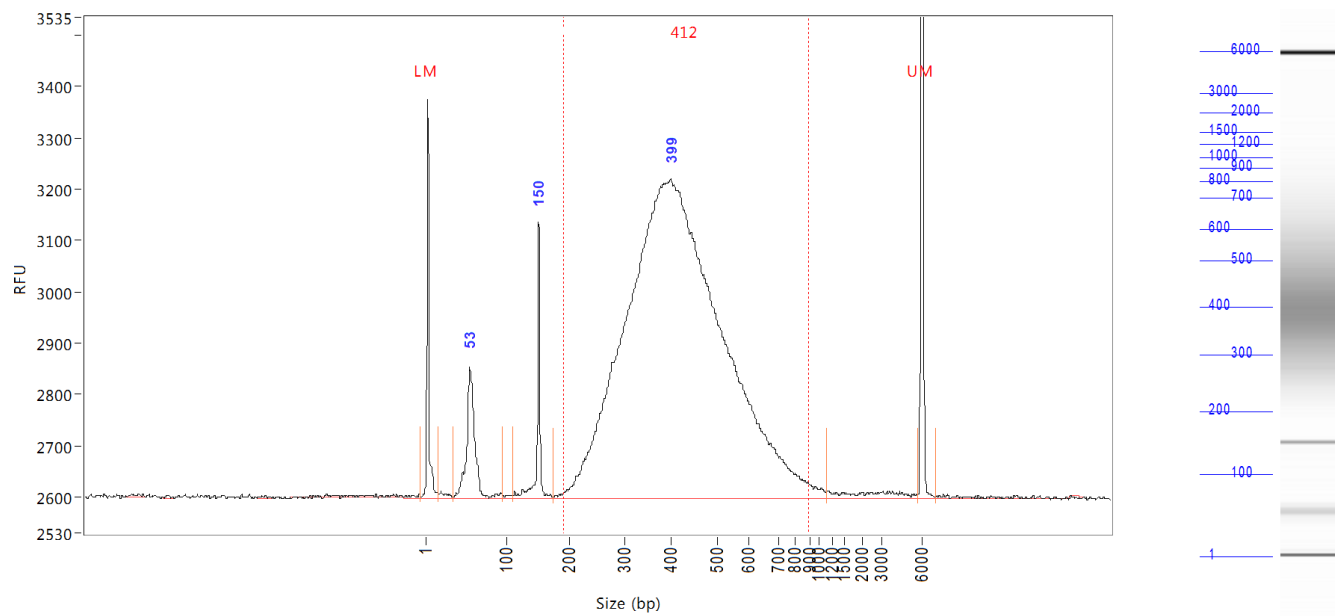
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L30**Well Location:** F4**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	2	140.09	567	3.502
53	0.3880	22	100	53	13.07	523	12.482
150	0.1612	110	171	147	5.05	873	5.186
347	4.4869	171	826	378	29.93	671	144.339
6000 (UM)	0.0123	5339	6732	5985	1.87	1364	4.737
TIC:		5.0361	ng/uL				
TIM:		35.003	nmole/L				
Total Conc.:		5.0984	ng/uL				

Smear Analysis 190 bp to 900 bp 4.4954 ng/uL 88.2 %Total 19.468 nmole/L 380 Avg. Size (b.p.) 30.58 %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

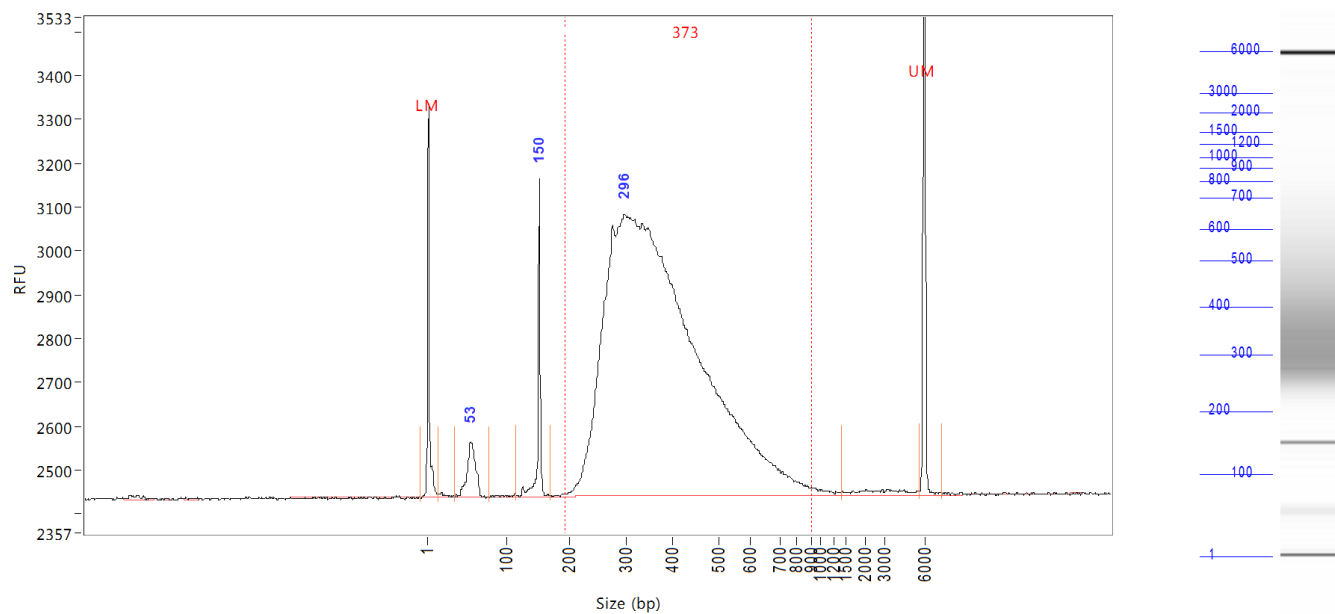
Sample: 4837-L31**Well Location:** G4**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	16	2	194.47	777	5.067
53	0.1312	33	94	55	15.04	255	6.107
150	0.0750	109	173	146	6.38	538	3.489
399	2.5189	173	1113	414	28.37	623	117.241
6000 (UM)	0.0084	5644	7010	5985	2.07	1335	4.675

TIC: 2.7250 ng/uL
 TIM: 15.271 nmole/L
 Total Conc.: 2.7578 ng/uL

Smear Analysis 190 bp to 900 bp 2.5063 ng/uL 90.9 %Total 10.000 nmole/L 412 Avg. Size (b.p.) 27.13 %CV

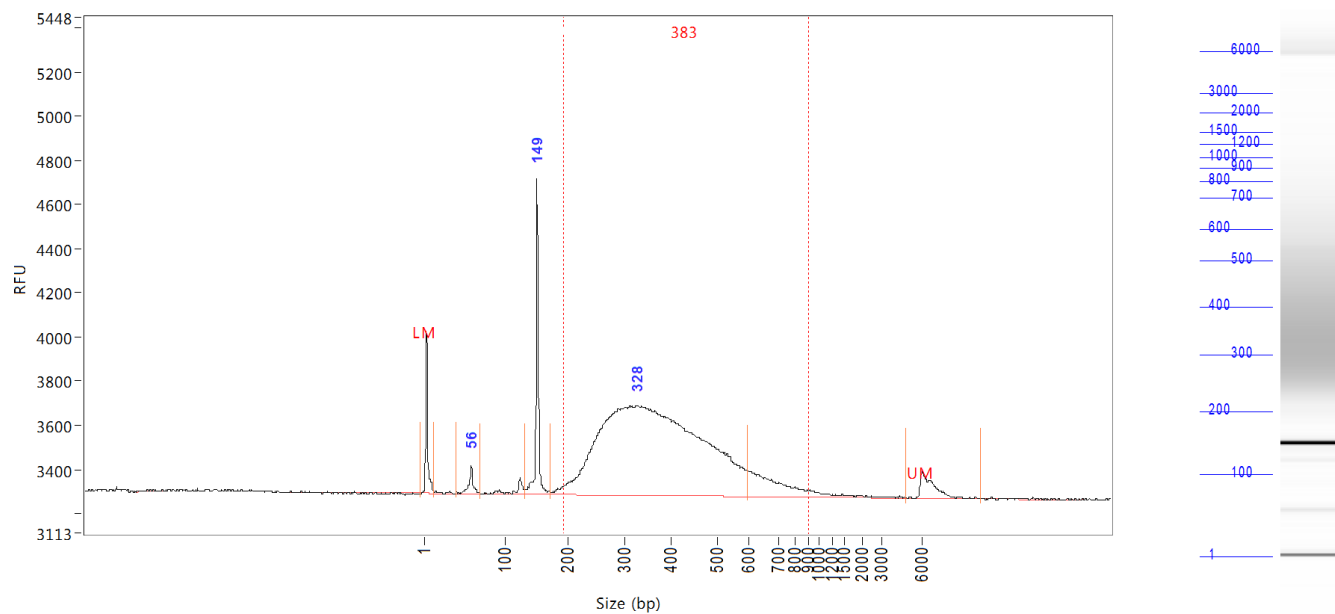
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
 Manual Baseline Start (min): 10 Manual Baseline End (min): 48
 Marker Peak Width (sec): 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: 4837-L32**Well Location:** H4**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	15	2	155.70	896	5.649
53	0.0611	34	76	54	10.05	127	3.173
150	0.0800	114	169	147	4.45	725	4.153
296	2.3364	169	1400	375	30.38	642	121.243
6000 (UM)	0.0083	5644	7288	5983	2.17	1495	5.153
TIC:		2.4775	ng/uL				
TIM:		15.734	nmole/L				
Total Conc.:		2.4977	ng/uL				

Smear Analysis 190 bp to 900 bp 2.3272 ng/uL 93.2 %Total 10.262 nmole/L 373 Avg. Size (b.p.) 28.57 %CV

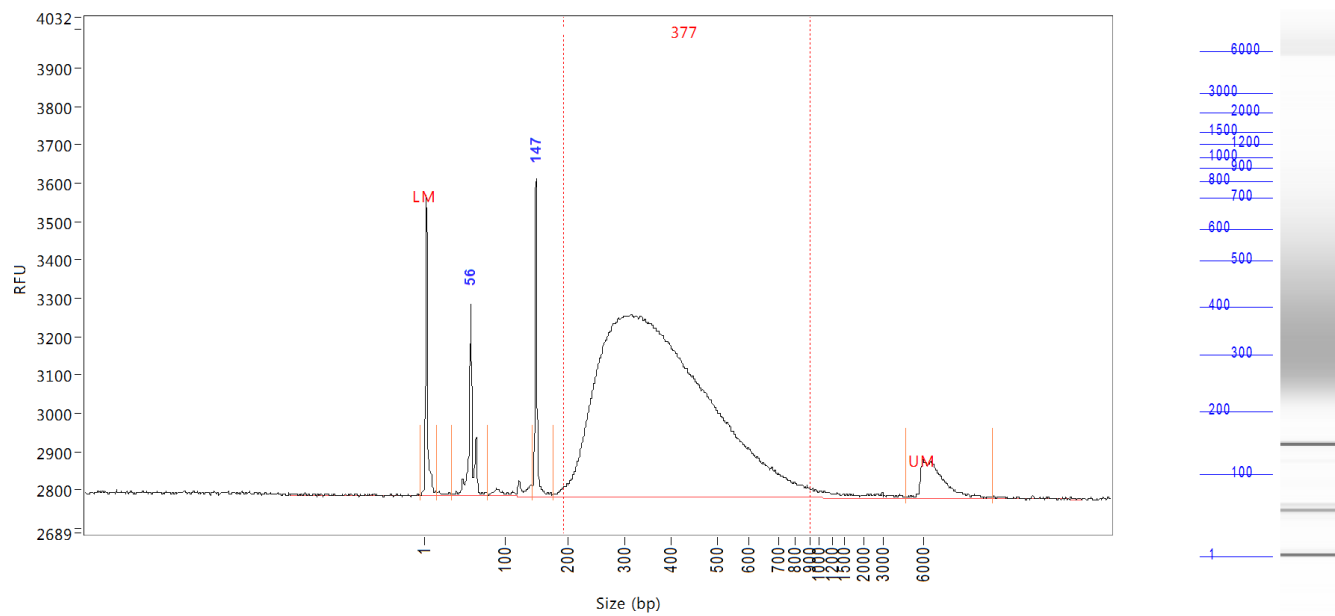
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L33**Well Location:** A5**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	10	1	150.89	731	4.625
56	0.0344	38	68	55	7.99	127	1.461
149	0.2072	131	172	148	3.28	1431	8.802
328	2.0672	172	600	361	25.89	406	87.826
6000 (UM)	0.0044	4831	10294	6705	12.44	118	2.222
TIC:		2.3088	ng/uL				
TIM:		13.654	nmole/L				
Total Conc.:		2.5049	ng/uL				

Smear Analysis 190 bp to 900 bp 2.1903 ng/uL 87.4 %Total 9.421 nmole/L 383 Avg. Size (b.p.) 31.60 %CV

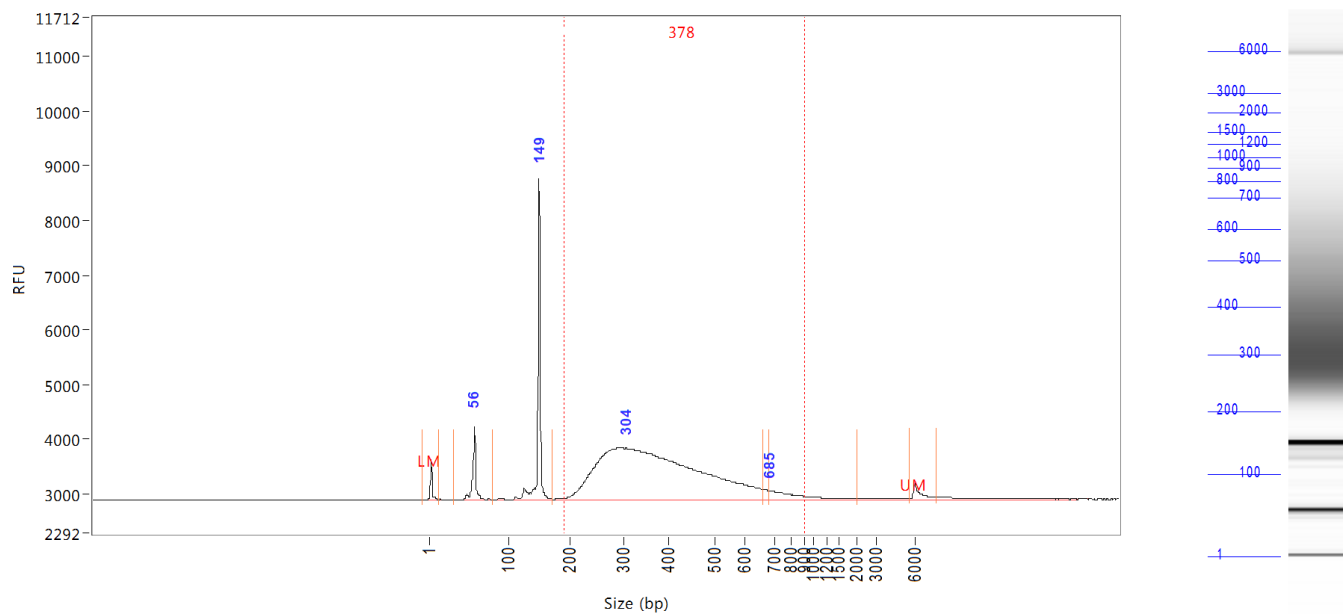
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L34**Well Location:** B5**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	15	2	183.61	785	5.195
56	0.1087	34	77	56	10.37	499	5.186
147	0.0926	142	175	148	3.02	829	4.421
6000 (UM)	0.0054	4755	11203	7021	15.73	100	3.117
TIC:		0.2013	ng/uL				
TIM:		4.238	nmole/L				
Total Conc.:		2.4912	ng/uL				

Smear Analysis 190 bp to 900 bp 2.2251 ng/uL 89.3 %Total 9.718 nmole/L 377 Avg. Size (b.p.) 30.89 %CV

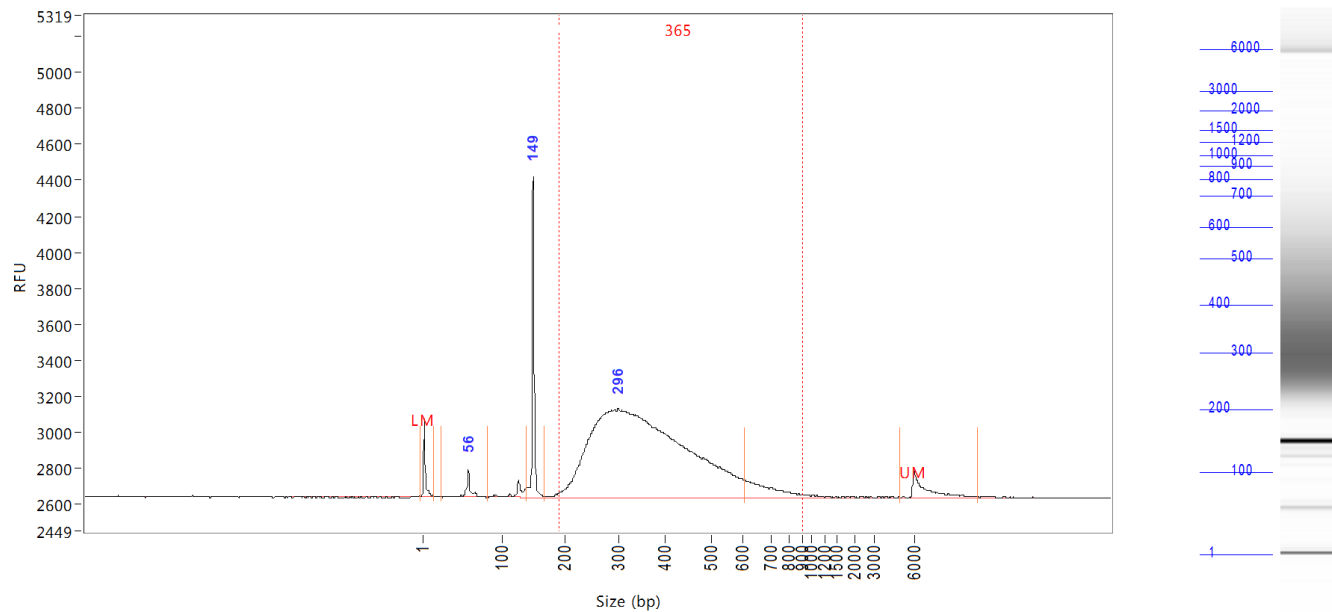
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L35**Well Location:** C5**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	2	157.81	728	4.600
56	0.2960	31	80	55	9.09	1343	12.504
149	0.8692	80	172	145	7.66	5876	36.724
304	4.7319	172	665	366	28.28	950	199.923
685	0.1787	685	2001	902	30.82	160	7.552
6000 (UM)	0.0057	5593	7692	6414	8.04	280	2.906
TIC:		6.0759	ng/uL				
TIM:		44.211	nmole/L				
Total Conc.:		6.1428	ng/uL				

Smear Analysis 190 bp to 900 bp 4.8833 ng/ul 79.5 %Total 21.233 nmole/L 378 Avg. Size (b.p.) 32.32 %CV

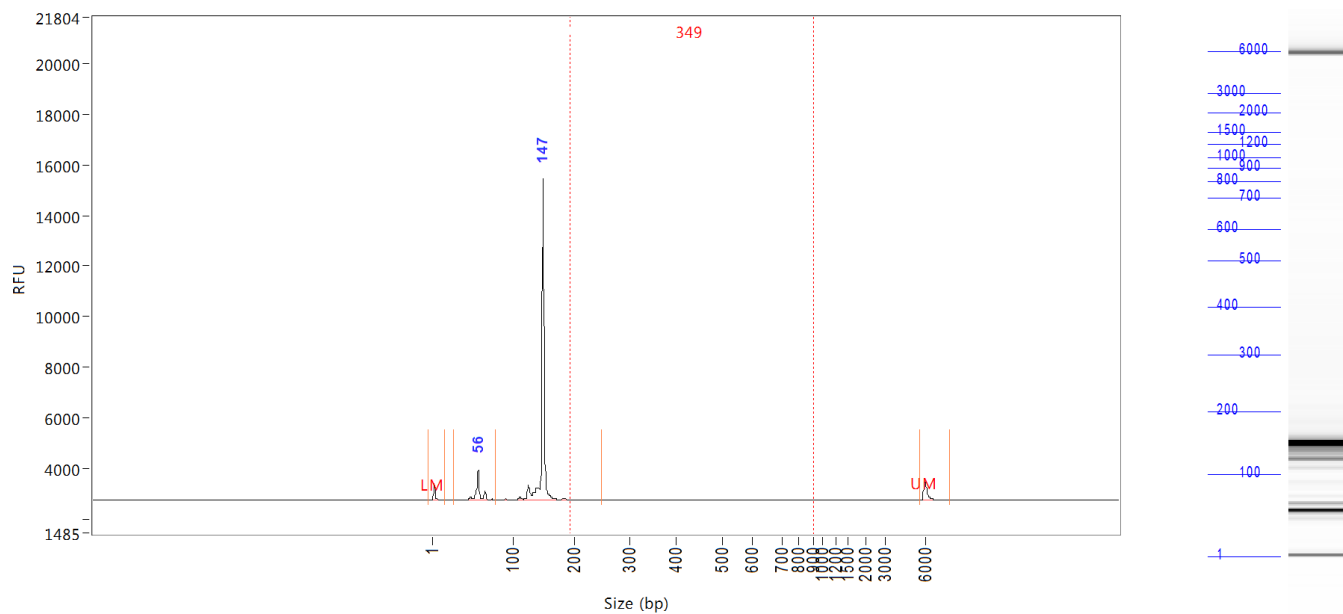
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L36**Well Location:** D5**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	15	2	138.52	432	2.883
56	0.0653	24	82	56	11.84	153	1.730
149	0.3490	139	168	148	1.87	1786	9.242
296	3.7029	168	609	351	26.23	497	98.044
6000 (UM)	0.0085	4856	10748	7117	17.88	151	2.695
TIC:		4.1173	ng/uL				
TIM:		26.312	nmole/L				
Total Conc.:		4.3700	ng/uL				

Smear Analysis 190 bp to 900 bp 3.8535 ng/uL 88.2 %Total 17.355 nmole/L 365 Avg. Size (b.p.) 31.06 %CV

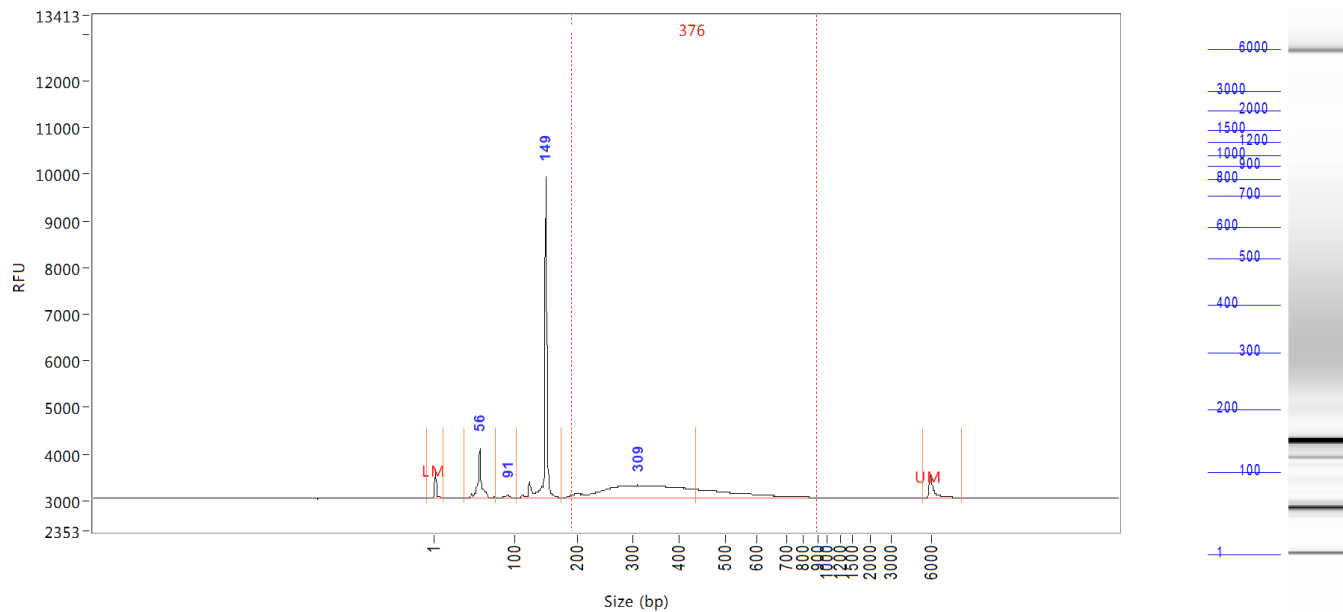
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L37**Well Location:** E5**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	15	1	189.04	648	4.091
56	0.3502	27	78	56	11.50	1190	13.159
147	2.1903	78	248	146	10.53	12693	82.304
6000 (UM)	0.0094	5644	7869	6162	6.03	736	4.252
TIC:		2.5404	ng/uL				
TIM:		34.733	nmole/L				
Total Conc.:		2.6833	ng/uL				

Smear Analysis 190 bp to 900 bp 0.1705 ng/uL 6.4 %Total 0.803 nmole/L 349 Avg. Size (b.p.) 40.15 %CV

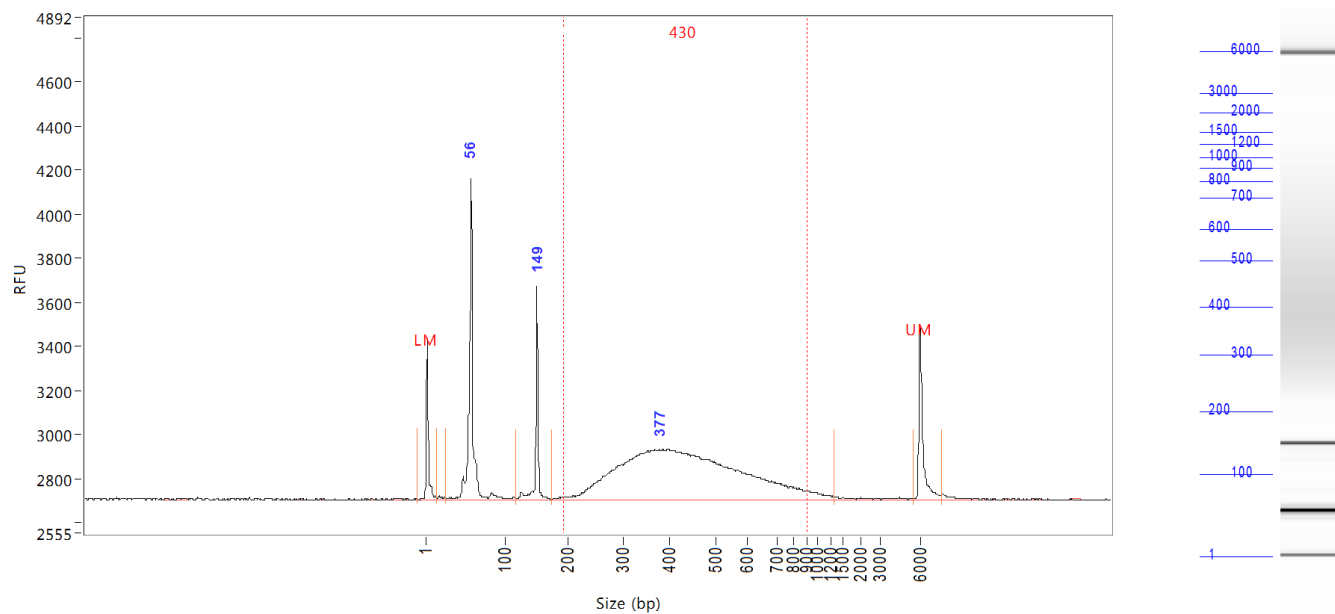
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L38**Well Location:** F5**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	2	140.59	616	3.885
56	0.3274	38	77	56	9.56	1051	11.683
91	0.0395	77	104	90	6.29	67	1.409
149	1.1610	104	175	146	6.01	6907	41.430
309	1.3527	175	436	315	20.38	281	48.270
6000 (UM)	0.0084	5441	8273	6333	8.73	499	3.590
TIC:		2.8805	ng/uL				
TIM:		30.212	nmole/L				
Total Conc.:		3.3935	ng/uL				

Smear Analysis 190 bp to 900 bp 1.8080 ng/uL 53.3 %Total 7.905 nmole/L 376 Avg. Size (b.p.) 32.95 %CV

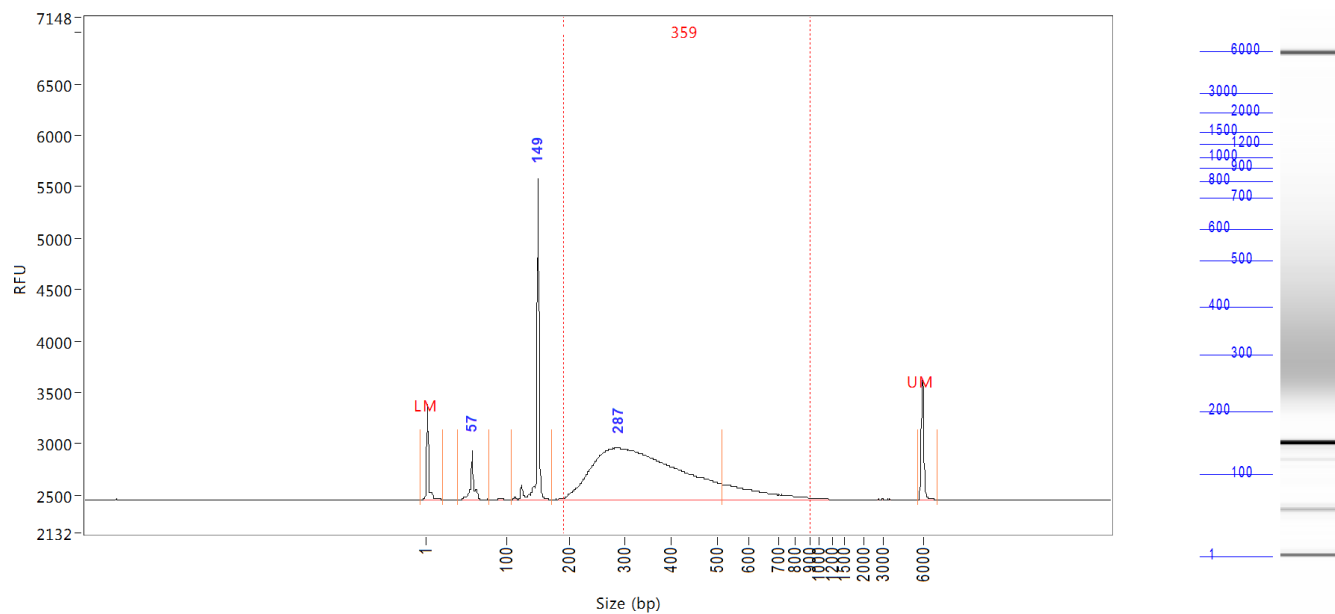
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L39**Well Location:** G5**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	14	2	184.20	731	4.712
56	0.3448	25	117	57	17.09	1456	14.924
149	0.1322	117	172	146	5.22	964	5.723
377	1.2794	172	1292	440	35.46	228	55.369
6000 (UM)	0.0085	5466	7591	6173	5.98	783	4.420
TIC:		1.7564	ng/uL				
TIM:		17.214	nmole/L				
Total Conc.:		1.7797	ng/uL				

Smear Analysis 190 bp to 900 bp 1.2543 ng/uL 70.5 %Total 4.795 nmole/L 430 Avg. Size (b.p.) 31.39 %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

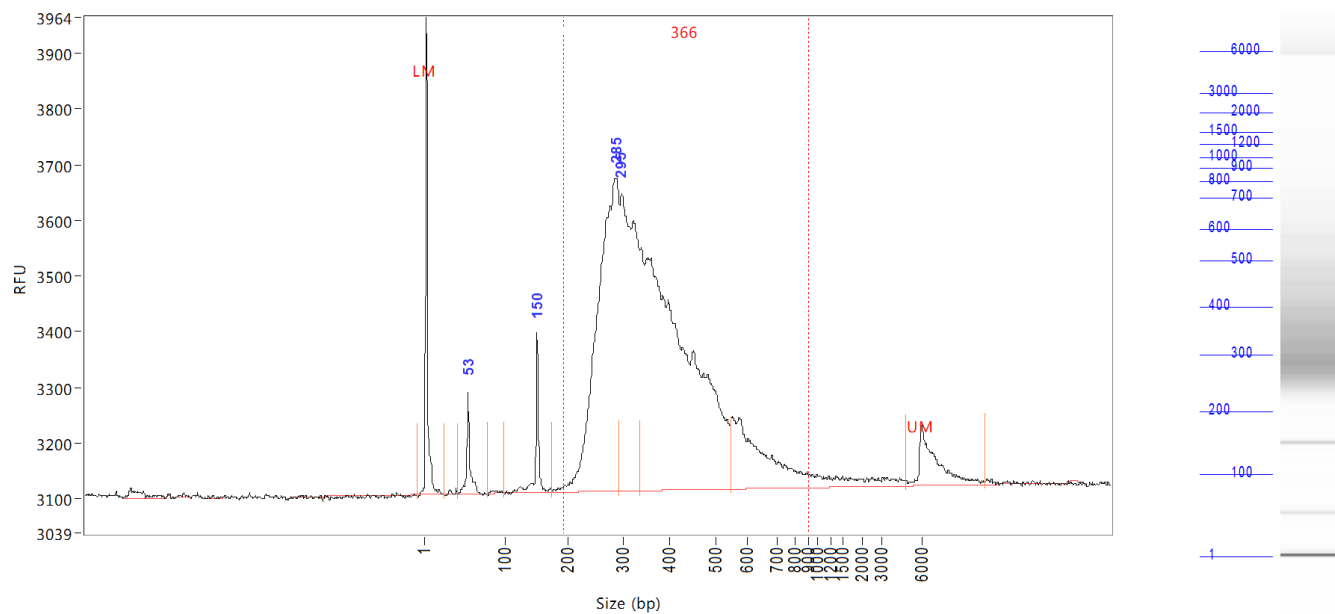
Sample: 4837-L40**Well Location:** H5**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	21	2	203.29	934	6.167
57	0.0824	38	77	56	7.80	484	4.669
149	0.3141	107	172	147	5.29	3128	17.796
287	1.6146	172	516	332	23.14	511	91.467
6000 (UM)	0.0064	5619	7137	5996	2.40	1170	4.357

TIC: 2.0112 ng/uL
TIM: 15.085 nmole/L
Total Conc.: 2.2029 ng/uL

Smear Analysis 190 bp to 900 bp 1.7830 ng/uL 80.9 %Total 8.160 nmole/L 359 Avg. Size (b.p.) 31.88 %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

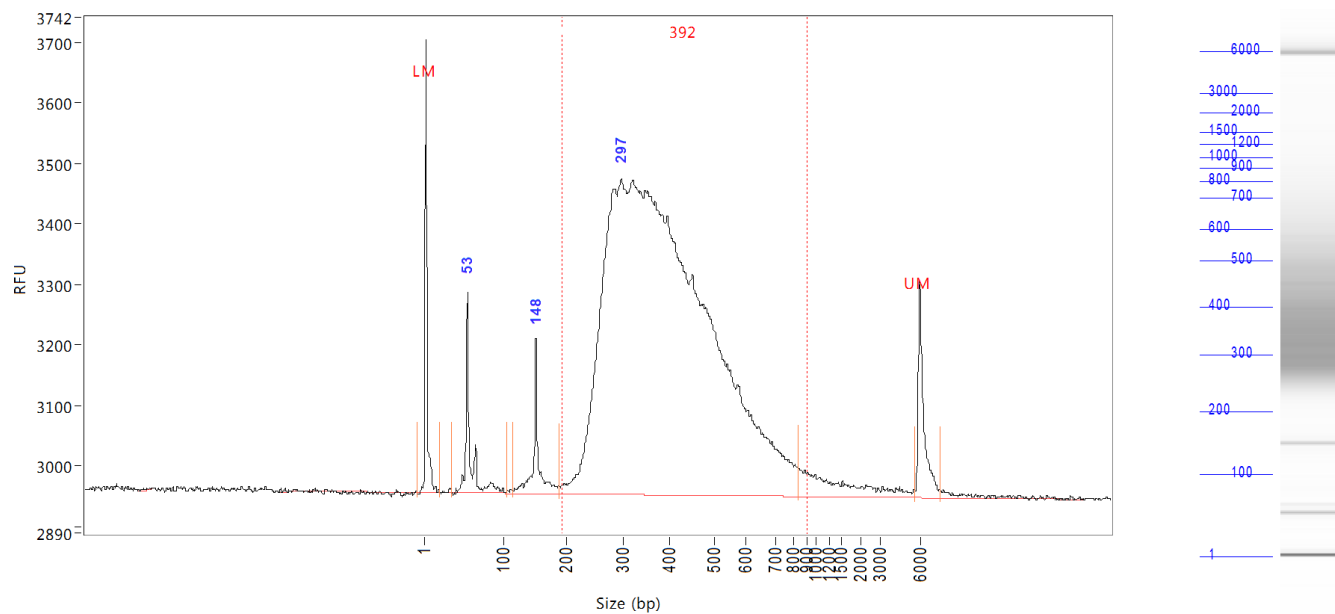
Sample: 4837-L41**Well Location:** A6**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	25	2	200.48	871	5.742
53	0.0329	40	77	53	7.62	181	1.733
150	0.0413	97	174	146	7.37	286	2.177
285	1.6340	174	547	343	22.57	561	86.182
295	0.3456	291	333	311	4.01	533	18.227
6000 (UM)	0.0040	4856	10698	7007	16.56	108	2.517

TIC: 2.0537 ng/uL
TIM: 12.833 nmole/L
Total Conc.: 1.8816 ng/uL

Smear Analysis 190 bp to 900 bp 1.7669 ng/uL 93.9 %Total 7.936 nmole/L 366 Avg. Size (b.p.) 30.34 %CV

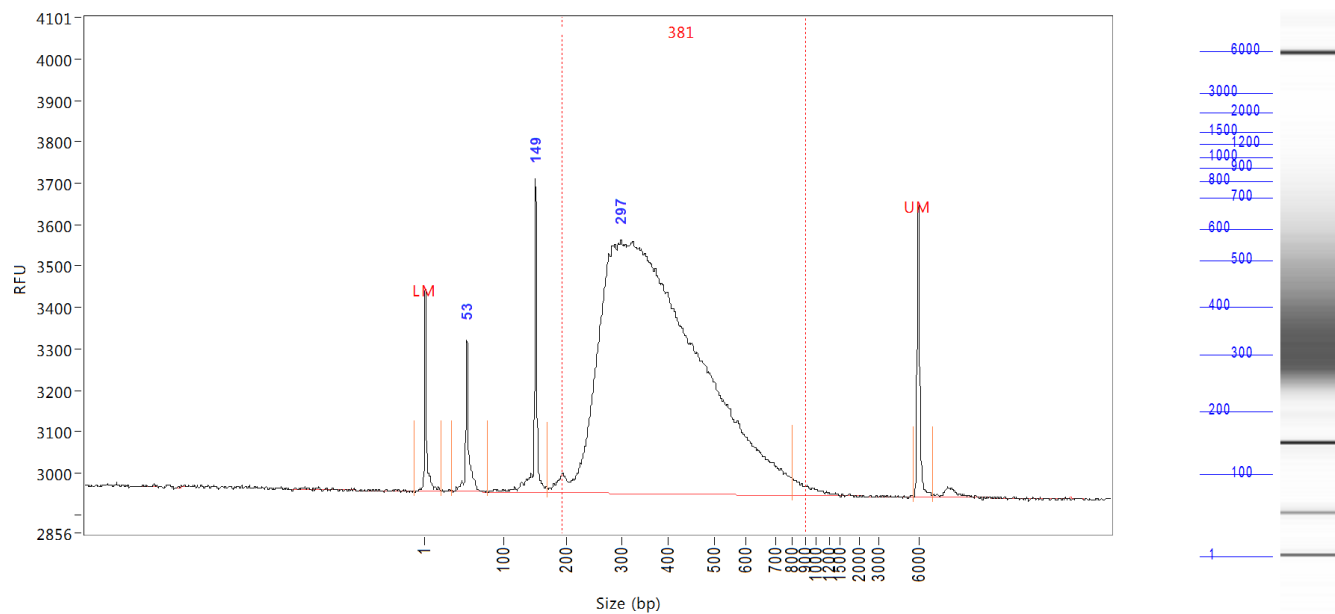
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L42**Well Location:** B6**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	20	2	158.42	748	4.876
53	0.0862	35	104	58	20.24	331	3.859
148	0.0677	113	188	150	9.59	256	3.033
297	2.4507	188	841	389	29.27	522	109.774
6000 (UM)	0.0051	5619	7465	6213	5.95	356	2.762
TIC:		2.6045	ng/uL				
TIM:		16.985	nmole/L				
Total Conc.:		2.6762	ng/uL				

Smear Analysis 190 bp to 900 bp 2.4606 ng/uL 91.9 %Total 10.339 nmole/L 392 Avg. Size (b.p.) 30.13 %CV

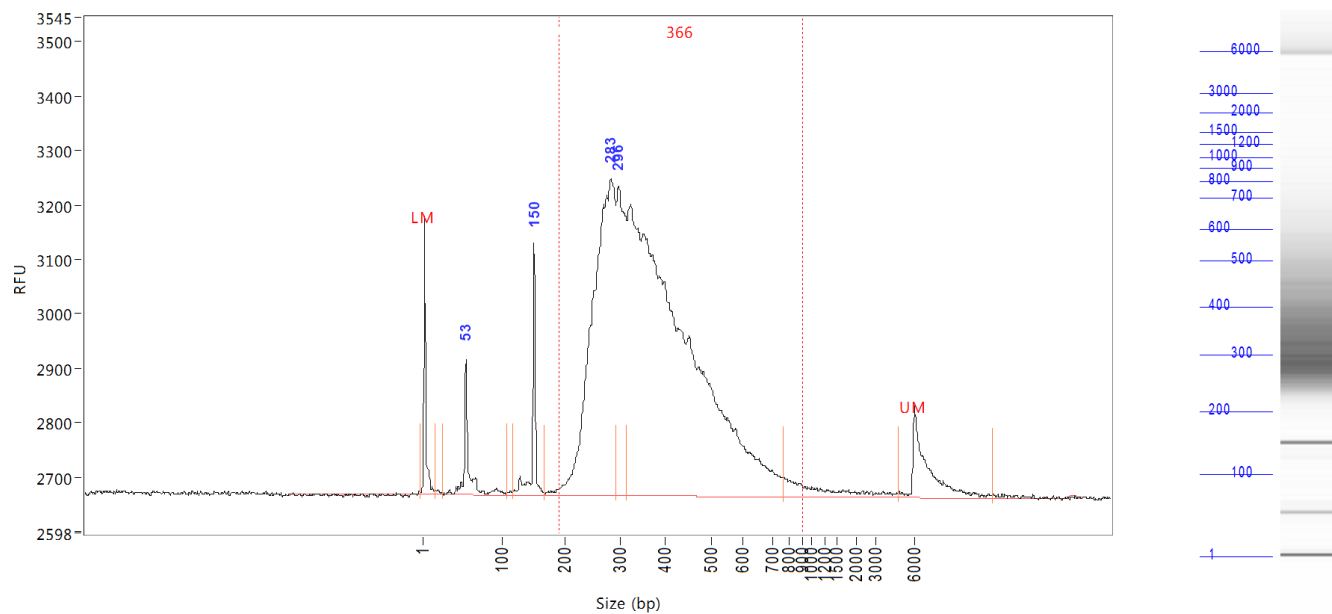
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L43**Well Location:** C6**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	22	2	204.56	488	3.441
53	0.1103	36	79	53	8.76	368	3.486
149	0.1677	79	169	144	9.19	758	5.302
297	3.8982	169	803	378	28.75	613	123.217
6000 (UM)	0.0072	5670	7035	6015	2.84	703	2.744
TIC:		4.1762	ng/uL				
TIM:		26.872	nmole/L				
Total Conc.:		4.2139	ng/uL				

Smear Analysis 190 bp to 900 bp 3.8981 ng/uL 92.5 %Total 16.845 nmole/L 381 Avg. Size (b.p.) 29.47 %CV

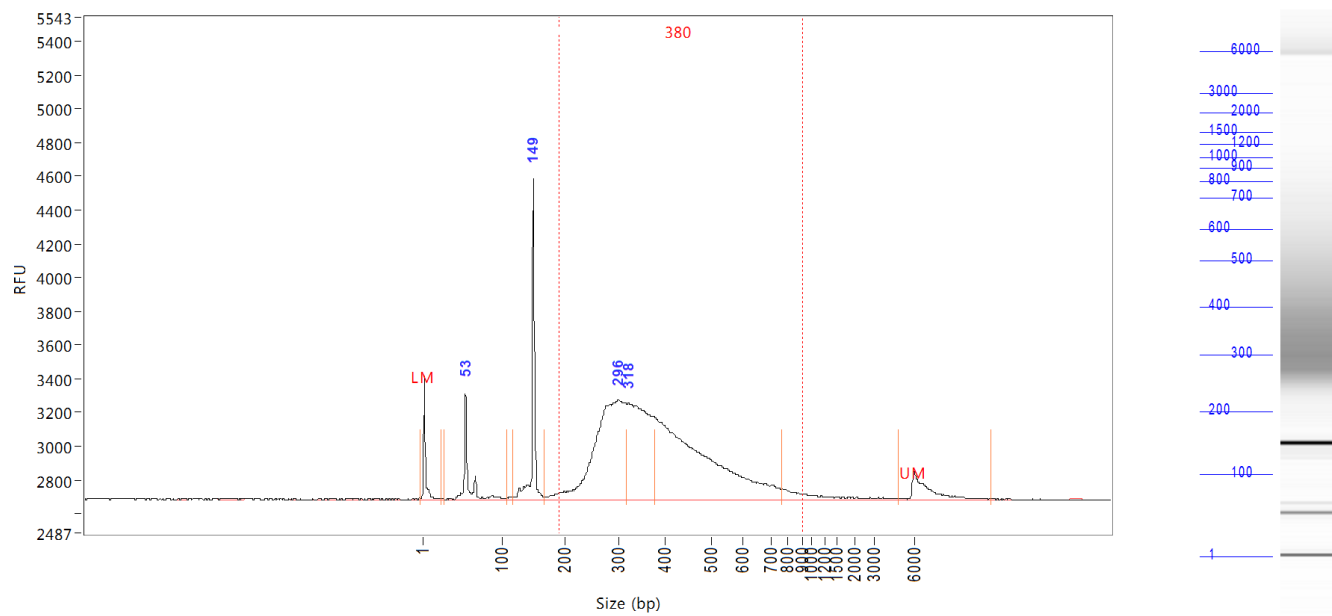
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L44**Well Location:** D6**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	17	2	146.92	512	3.479
53	0.0965	25	106	57	22.91	247	3.086
150	0.1013	116	168	146	6.16	464	3.239
283	3.2625	168	765	362	28.20	582	104.274
296	0.3613	291	315	302	2.33	569	11.547
6000 (UM)	0.0083	4729	11834	7104	19.15	168	3.195
TIC:		3.8217	ng/uL				
TIM:		25.067	nmole/L				
Total Conc.:		3.5297	ng/uL				

Smear Analysis 190 bp to 900 bp 3.2794 ng/uL 92.9 %Total 14.737 nmole/L 366 Avg. Size (b.p.) 29.73 %CV

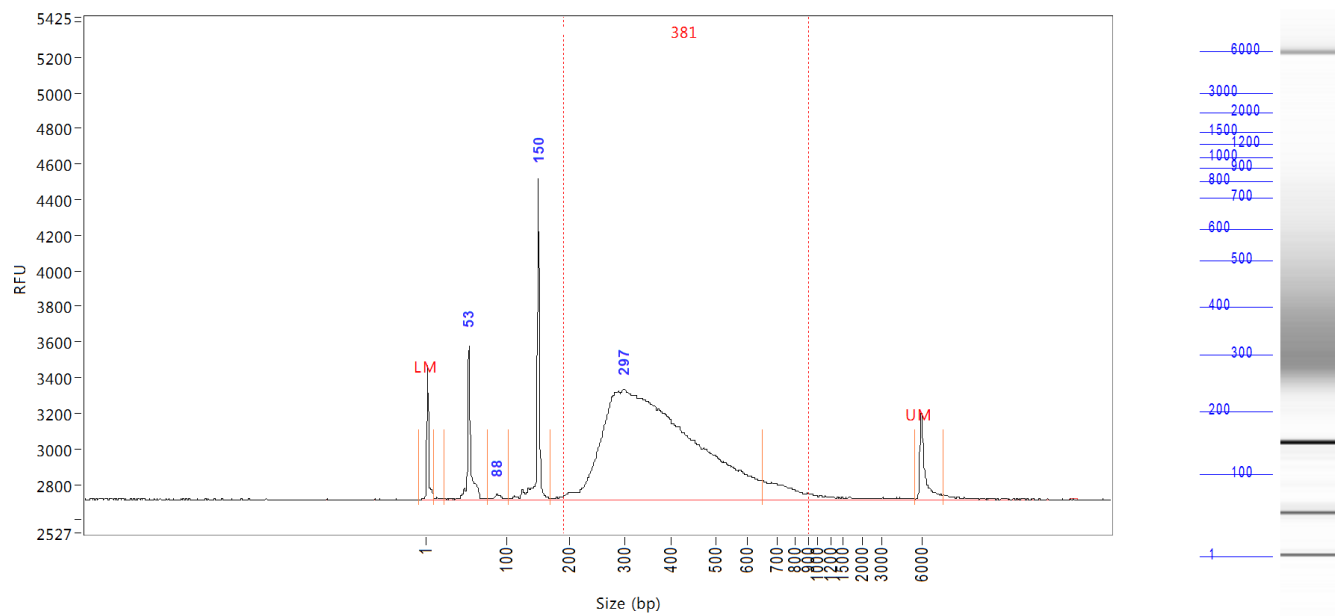
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L45**Well Location:** E6**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	23	2	186.24	736	4.979
53	0.1482	27	106	58	21.97	622	6.777
149	0.2677	116	168	146	5.21	1904	12.246
296	2.5264	168	767	374	29.28	596	115.556
318	0.5964	315	376	344	5.15	575	27.276
6000 (UM)	0.0072	4831	11784	7192	19.47	170	3.931
TIC:		3.5387	ng/uL				
TIM:		24.679	nmole/L				
Total Conc.:		3.0192	ng/uL				

Smear Analysis 190 bp to 900 bp 2.5369 ng/uL 84.0 %Total 10.970 nmole/L 380 Avg. Size (b.p.) 30.98 %CV

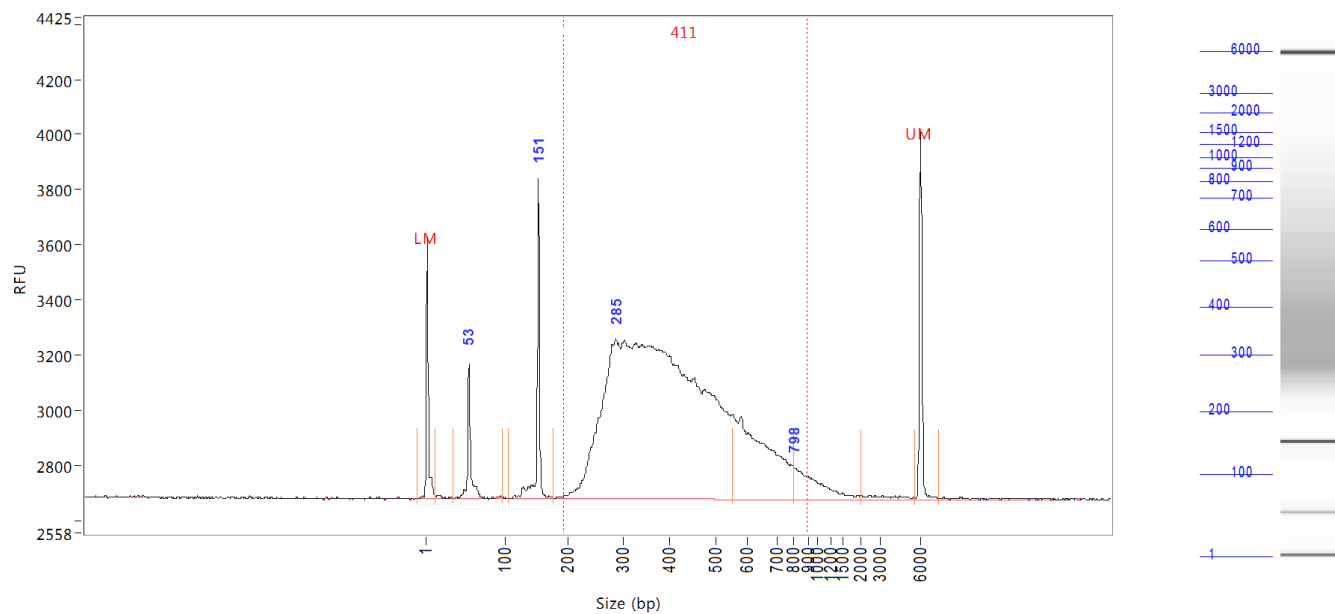
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L46**Well Location:** F6**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	10	1	179.63	756	4.818
53	0.1882	22	77	53	11.55	863	8.330
88	0.0166	77	103	89	6.46	34	0.734
150	0.2563	103	171	147	6.26	1808	11.344
297	2.5812	171	649	367	25.87	625	114.227
6000 (UM)	0.0063	5568	7616	6254	6.76	489	3.371
TIC:		3.0424	ng/uL				
TIM:		23.278	nmole/L				
Total Conc.:		3.1873	ng/uL				

Smear Analysis 190 bp to 900 bp 2.6772 ng/uL 84.0 %Total 11.547 nmole/L 381 Avg. Size (b.p.) 30.60 %CV

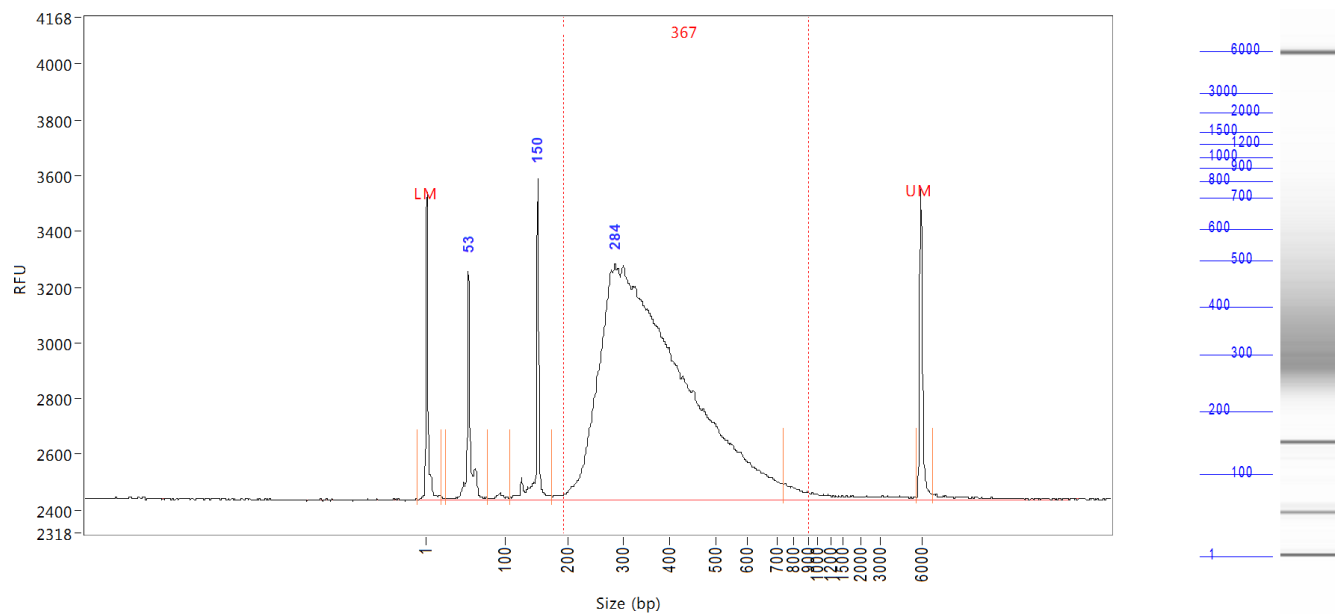
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L47**Well Location:** G6**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	12	1	177.44	947	6.101
53	0.0811	34	95	55	14.58	489	4.543
151	0.1283	105	176	147	6.12	1160	7.190
285	2.0602	176	551	367	22.59	582	115.451
798	0.0823	798	2001	1025	25.25	119	4.612
6000 (UM)	0.0074	5593	7364	6019	2.95	1332	4.951
TIC:		2.3519	ng/uL				
TIM:		15.972	nmole/L				
Total Conc.:		2.6976	ng/uL				

Smear Analysis 190 bp to 900 bp 2.4222 ng/uL 89.8 %Total 9.693 nmole/L 411 Avg. Size (b.p.) 32.41 %CV

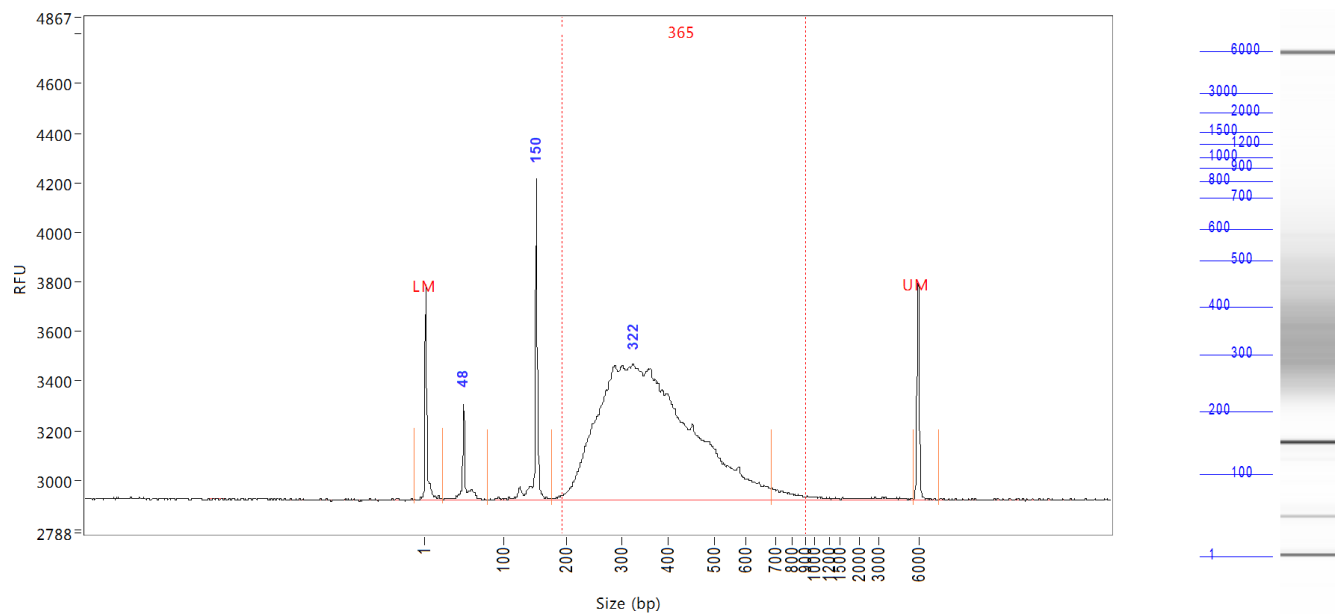
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L48**Well Location:** H6**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	21	2	196.35	1103	7.359
53	0.1142	25	78	54	10.75	819	7.722
150	0.1158	108	173	146	6.96	1153	7.825
284	2.1486	173	734	362	27.50	843	145.235
6000 (UM)	0.0057	5695	6884	6030	2.83	1114	4.657
TIC:		2.3786	ng/uL				
TIM:		17.257	nmole/L				
Total Conc.:		2.4305	ng/uL				

Smear Analysis 190 bp to 900 bp 2.1637 ng/uL 89.0 %Total 9.703 nmole/L 367 Avg. Size (b.p.) 29.32 %CV

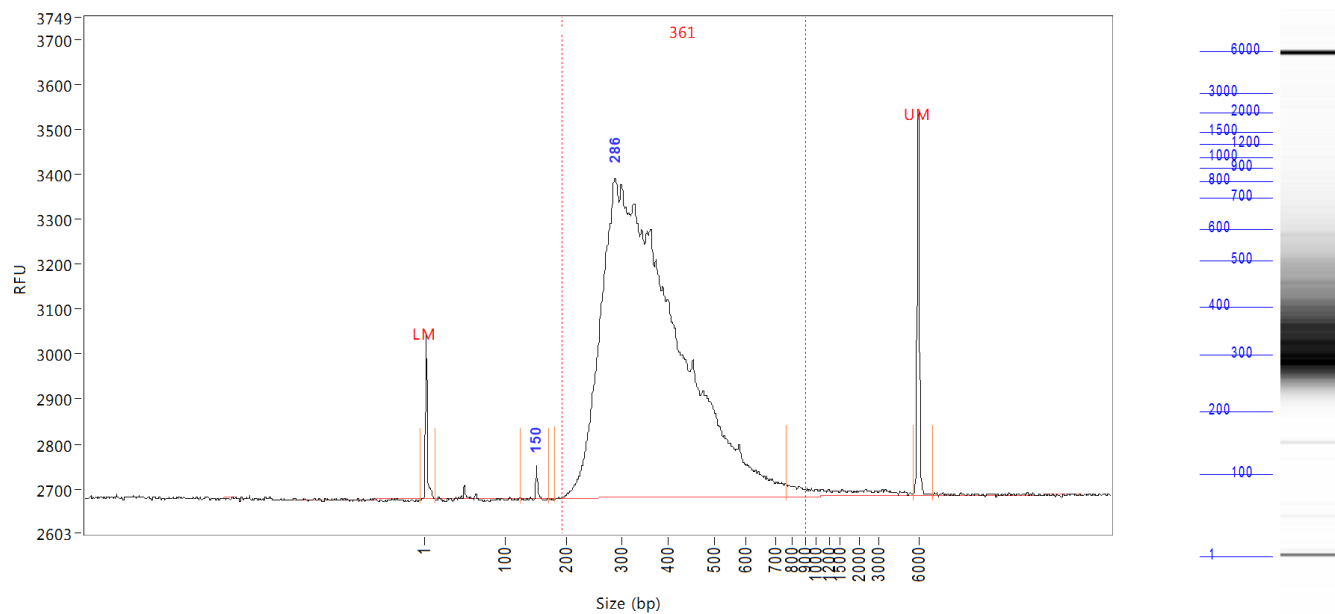
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L49**Well Location:** A7**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	23	2	190.07	866	5.746
48	0.0642	23	79	50	13.29	381	3.387
150	0.1601	79	176	146	7.60	1295	8.451
322	1.9976	176	690	360	26.72	547	105.434
6000 (UM)	0.0049	5644	7515	6009	2.88	878	3.103
TIC:		2.2219	ng/uL				
TIM:		14.164	nmole/L				
Total Conc.:		2.2681	ng/uL				

Smear Analysis 190 bp to 900 bp 2.0195 ng/uL 89.0 %Total 9.099 nmole/L 365 Avg. Size (b.p.) 28.89 %CV

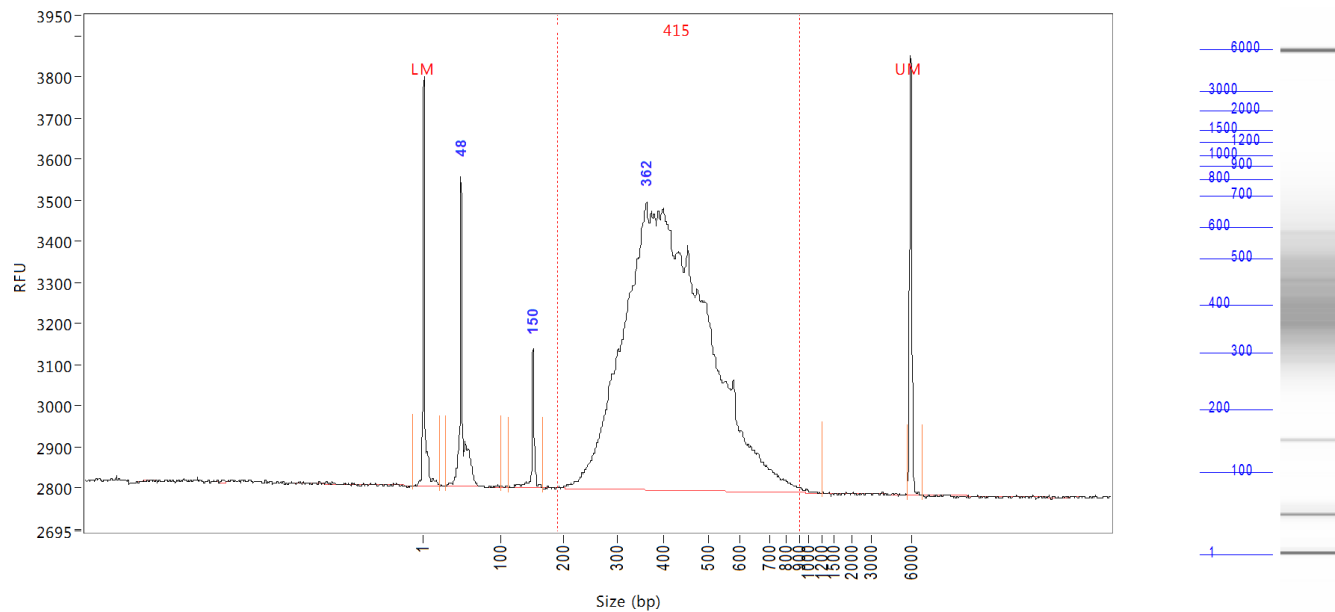
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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: 4837-L50**Well Location:** B7**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	13	1	146.32	369	2.221
150	0.0168	125	171	149	1.28	72	0.343
286	5.4342	181	763	359	25.63	710	110.850
6000 (UM)	0.0120	5619	7061	5980	2.12	851	2.950
TIC:		5.4510	ng/uL				
TIM:		31.445	nmole/L				
Total Conc.:		5.5655	ng/uL				

Smear Analysis 190 bp to 900 bp 5.4619 ng/uL 98.1 %Total 24.861 nmole/L 361 Avg. Size (b.p.) 27.00 %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: 4837-L51**Well Location:** C7**Created:** Tuesday, April 24, 2018 2:14:09 PM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.0091	0	23	2	205.23	996	6.612
48	0.1138	29	99	50	13.53	755	6.910
150	0.0339	112	168	148	4.83	339	2.060
362	1.9252	168	1201	415	24.10	700	116.924
6000 (UM)	0.0050	5746	6934	5991	1.60	1070	3.641
TIC:		2.0729	ng/uL				
TIM:		13.000	nmole/L				
Total Conc.:		2.0742	ng/uL				

Smear Analysis 190 bp to 900 bp 1.9225 ng/uL 92.7 %Total 7.630 nmole/L 415 Avg. Size (b.p.) 23.69 %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: Tuesday, April 24, 2018 2:14:09 PM**Well Location:** Point to Point

Calibration Curve

