

Fragment Analyzer Run Summary:

Filename and Data Path: C:\AATI\Data\2017 01 13\10-52-33\2017 01 13 10H 52M.raw

Created: Friday, January 13, 2017 11:21:21 AM

of Capillaries: 12

Array Serial #: 061316-03SFS

Effect Length: 33 cm

Array Usage Count: 35

FA Version #: 1.1.0.11

Device Serial #: 3422

METHOD INFORMATION

Method Name: DNF-473-33 - SS NGS Fragment 1-6000bp.mthds

Gel Prime: No

Full Conditioning: Yes

Gel Prime to Buffer: No

Gel Selection: Gel 1

Perform Prerun: 6.0 kV, 30 sec.

Rinse: No

Marker 1: No

Rinse: Tray: 3, Row: A, # Dips: 1

Sample Injection: 3.0 kV, 5 sec.

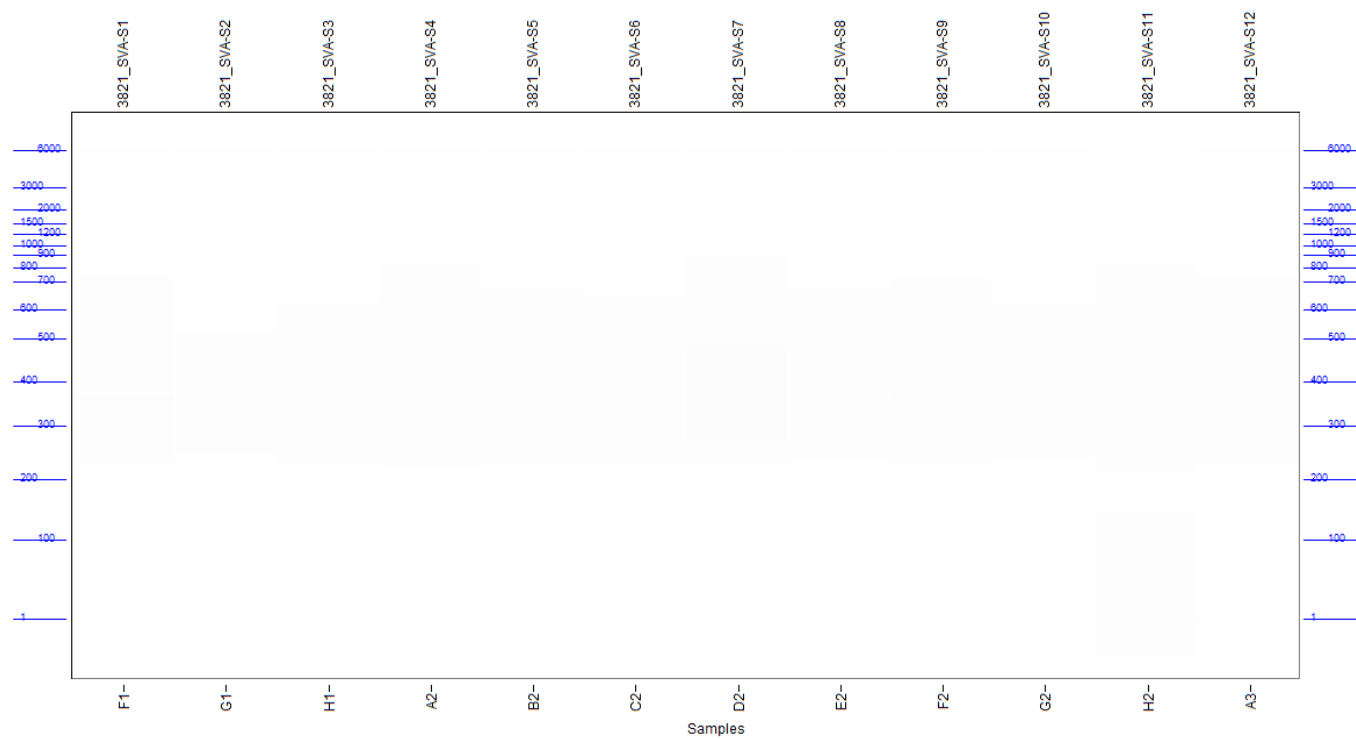
Separation: 6.0 kV, 50.0 min.

Tray Name: Tray-1

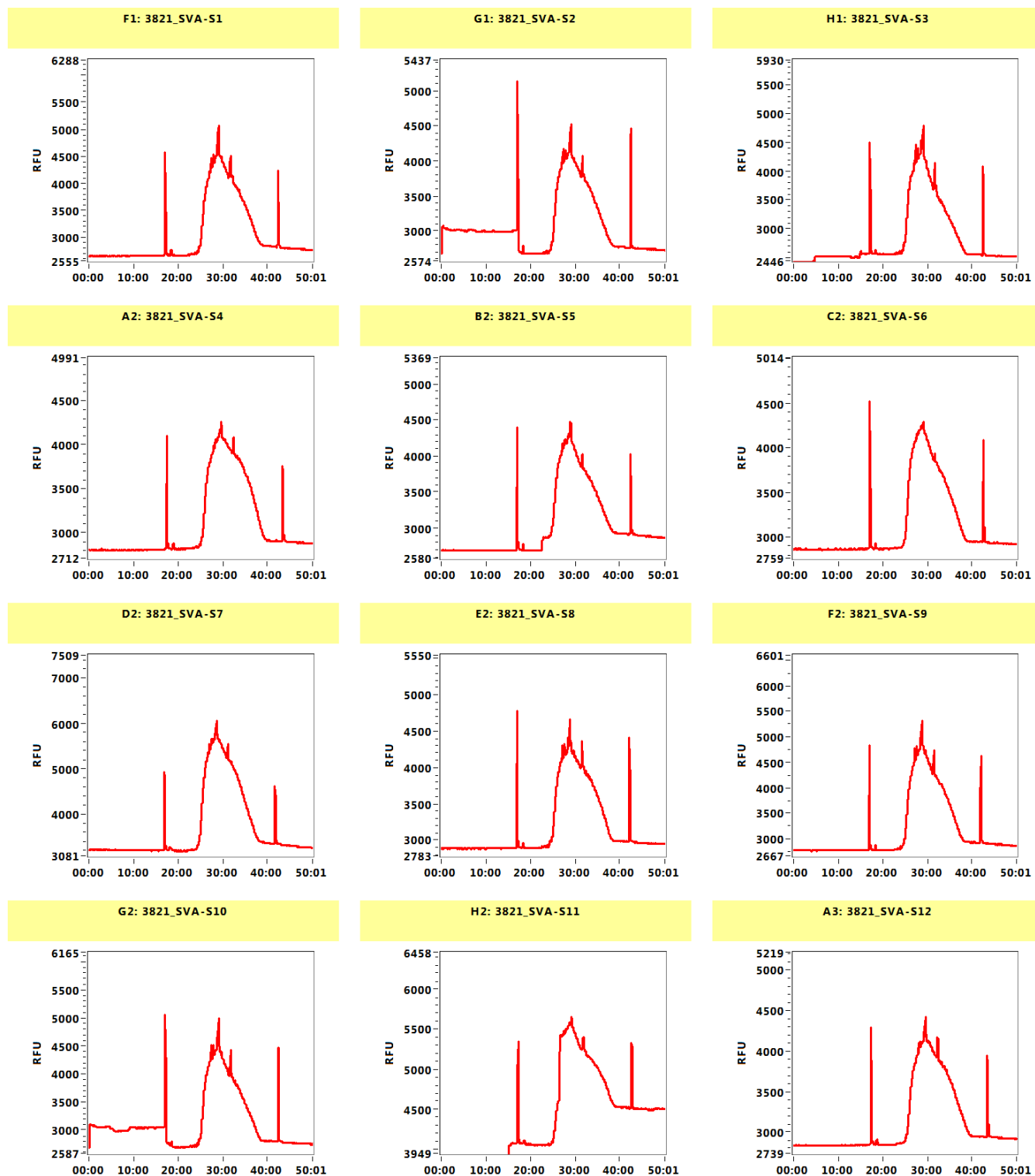
Analysis Mode: NGS

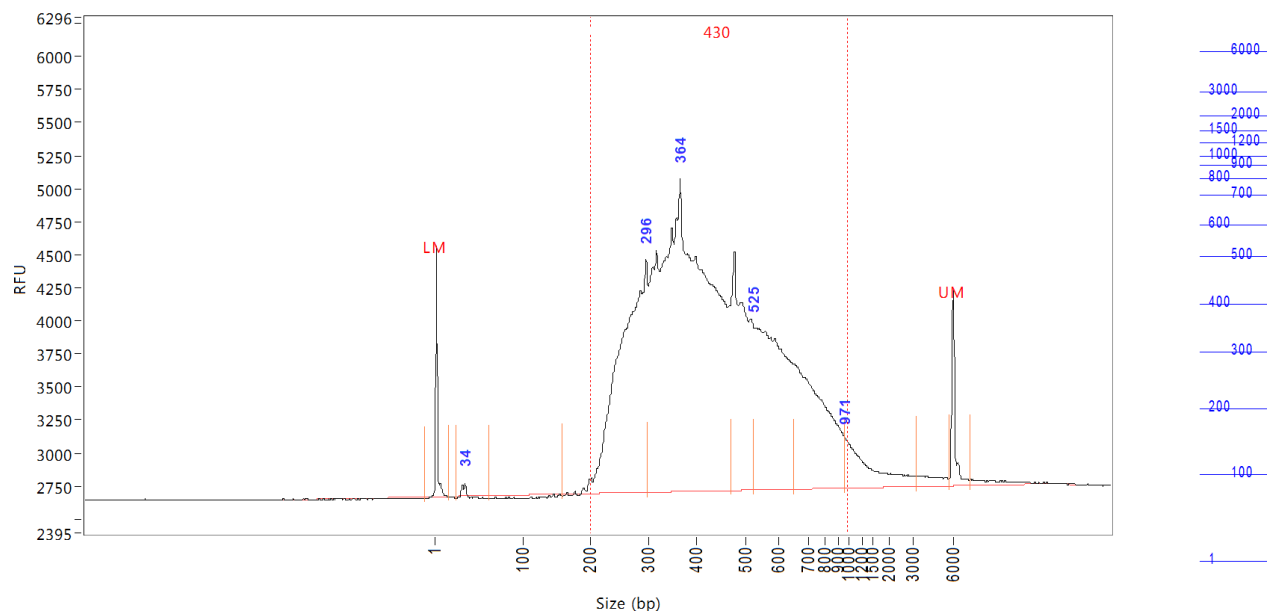
NOTE

Gel Image



Filename and Data Path: C:\AATI\Data\2017 01 13\10-52-33\2017 01 13 10H 52M.raw

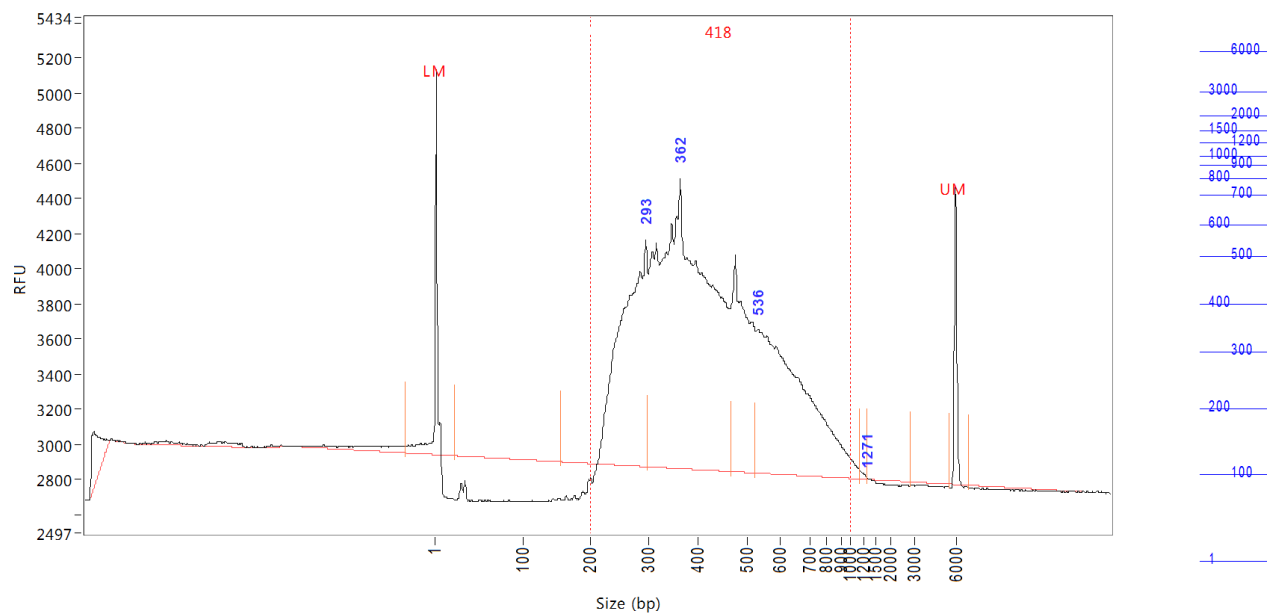


Sample: 3821_SVA-S1**Well Location:** F1**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	17	1	148.17	1901	11.369
34	0.2258	24	61	32	5.83	91	1.061
296	22.0352	158	299	263	9.25	1768	103.558
364	49.8805	299	470	379	12.60	2369	234.420
525	14.0584	525	654	584	6.30	1236	66.069
971	2.9351	971	3269	1554	39.76	377	13.794
6000 (UM)	0.1119	5707	7213	6086	4.59	1476	6.310
TIC:		89.1350	ng/uL				
TIM:		407.964	nmole/L				
Total Conc.:		109.5102	ng/uL				

Smear Analysis 200 bp to 1000 bp 105.8958 ng/ul 96.7 %Total 404.809 nmole/L 430 Avg. Size (b.p.) 35.54 %CV

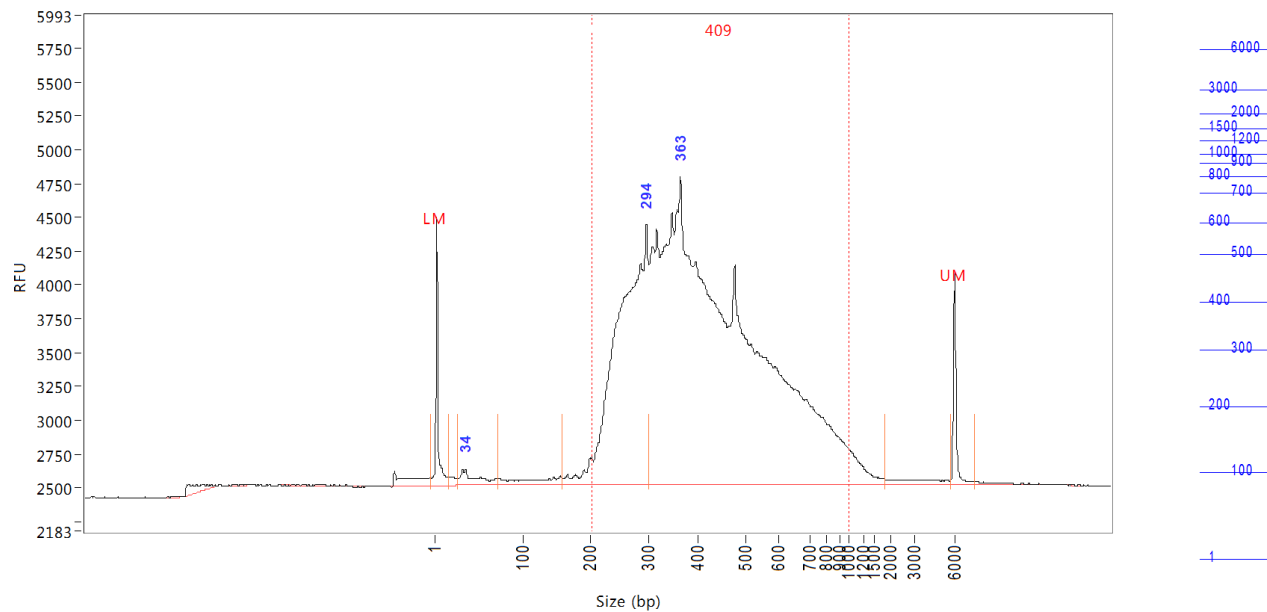
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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): 2.0830 Dilution Factor: 12.0

Sample: 3821_SVA-S2**Well Location:** G1**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	23	0	-296.81	2192	18.237
293	9.3705	156	297	264	8.01	1290	70.644
362	21.4399	297	470	377	12.87	1653	161.635
536	9.0559	525	1155	652	17.33	817	68.272
1271	0.0034	1271	2847	1298	1.84	12	0.025
6000 (UM)	0.0641	5561	6994	5976	1.49	1688	5.802
TIC:		39.8697	ng/uL				
TIM:		177.780	nmole/L				
Total Conc.:		44.1160	ng/uL				

Smear Analysis 200 bp to 1000 bp 43.9390 ng/uL 99.6 %Total 172.854 nmole/L 418 Avg. Size (b.p.) 33.95 %CV

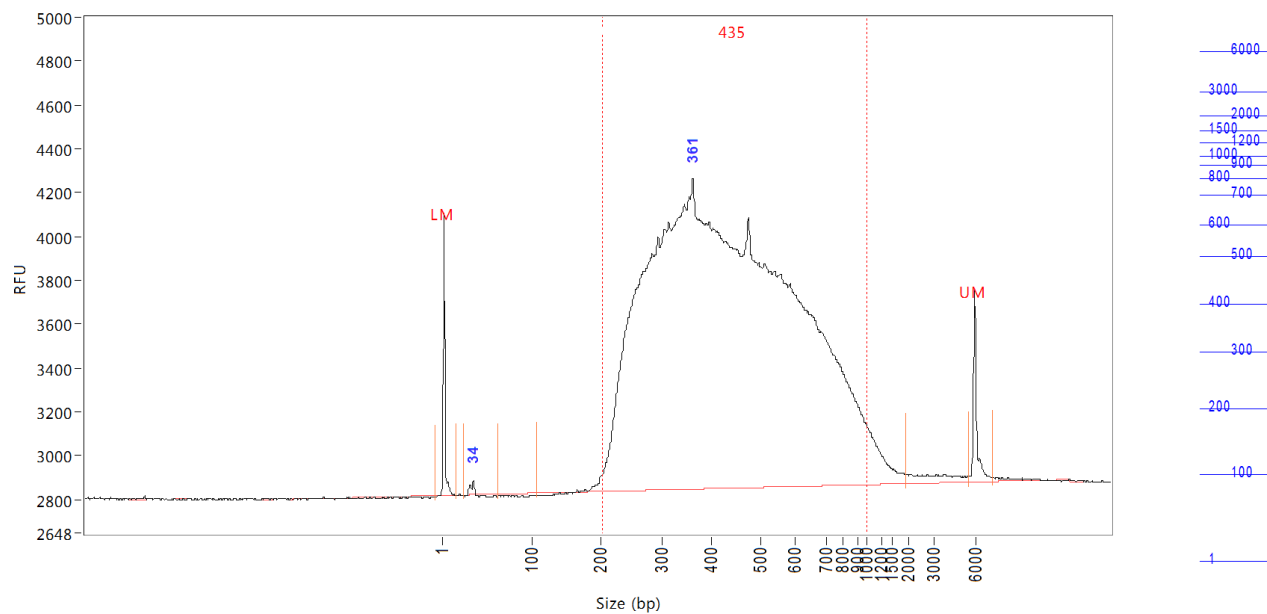
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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): 2.0830 Dilution Factor: 12.0

Sample: 3821_SVA-S3**Well Location:** H1**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	16	2	170.27	1981	14.569
34	0.9692	25	71	44	30.05	116	5.837
294	20.3247	158	298	258	10.93	1931	122.410
363	58.8112	298	1834	470	35.46	2282	354.204
6000 (UM)	0.0845	5707	7455	6066	4.49	1561	6.110
TIC:		80.1051	ng/uL				
TIM:		426.510	nmole/L				
Total Conc.:		81.5657	ng/uL				

Smear Analysis 200 bp to 1000 bp 77.2999 ng/uL 94.8 %Total 311.049 nmole/L 409 Avg. Size (b.p.) 36.04 %CV

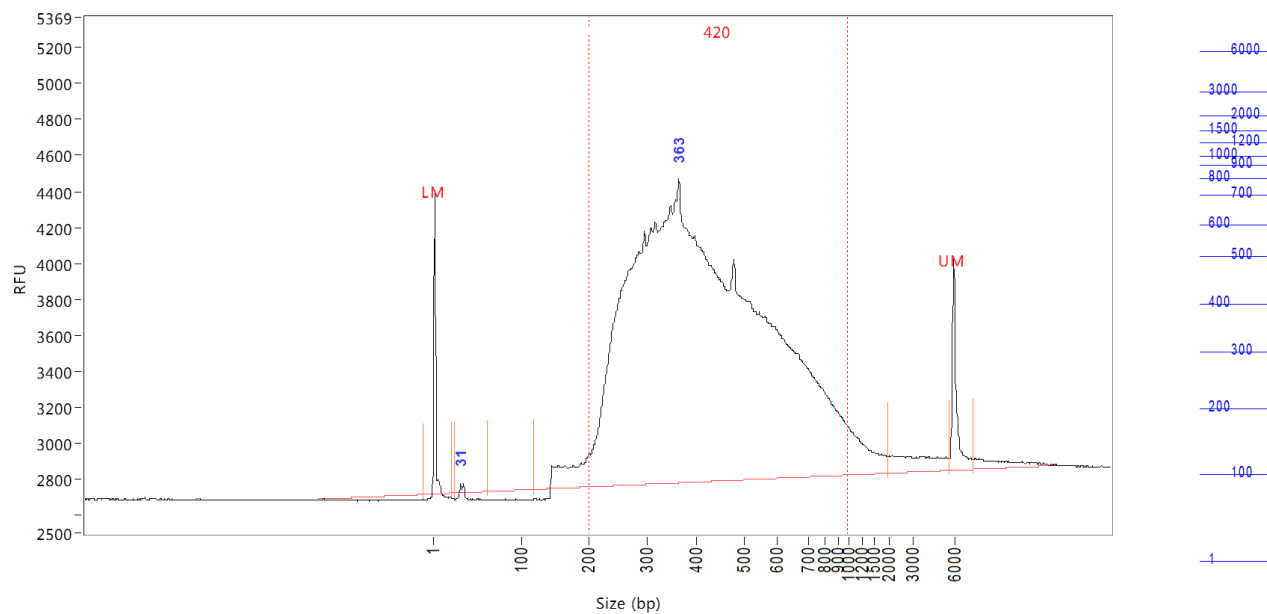
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
 Manual Baseline Start (min): 10 Manual Baseline End (min): 48
 Marker Peak Width (sec): 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): 2.0830 Dilution Factor: 12.0

Sample: 3821_SVA-S4**Well Location:** A2**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	16	1	135.77	1288	7.608
34	0.2256	24	62	32	6.78	63	0.709
361	120.0786	105	1945	447	42.00	1417	377.627
6000 (UM)	0.1007	5561	7213	6085	4.54	875	3.801
TIC:		120.3042	ng/uL				
TIM:		557.567	nmole/L				
Total Conc.:		121.0387	ng/uL				

Smear Analysis 200 bp to 1000 bp 117.8899 ng/uL 97.4 %Total 445.470 nmole/L 435 Avg. Size (b.p.) 36.29 %CV

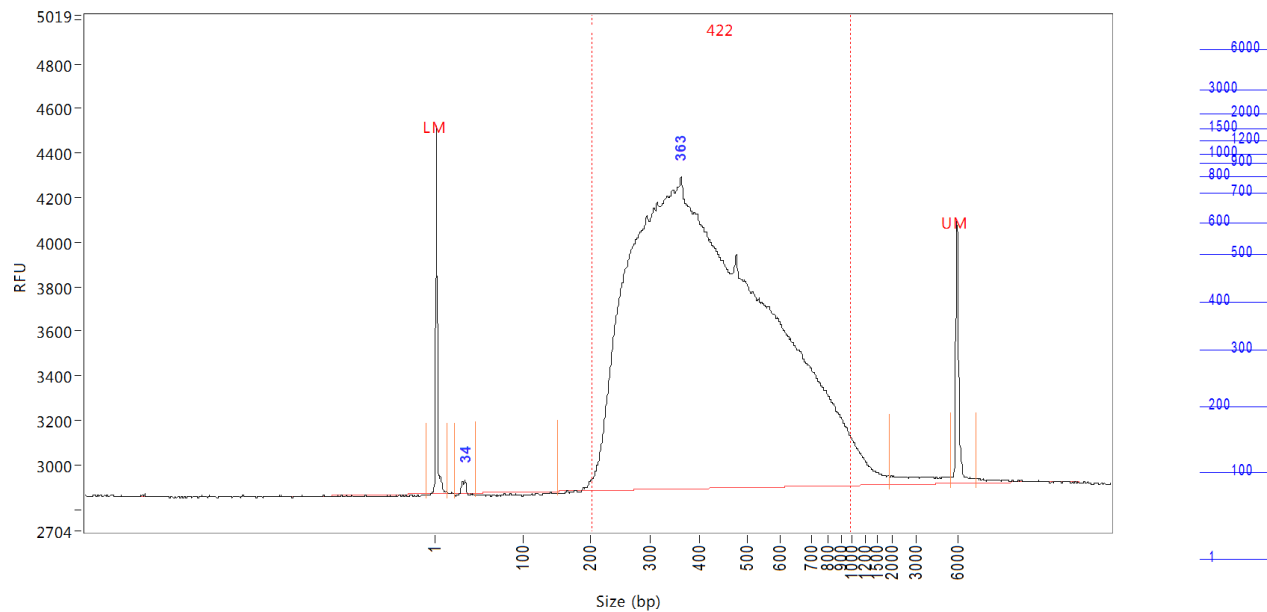
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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): 2.0830 Dilution Factor: 12.0

Sample: 3821_SVA-S5**Well Location:** B2**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	22	1	141.52	1684	9.736
31	0.1112	25	61	32	5.20	48	0.448
363	104.3471	117	2000	431	46.79	1693	419.948
6000 (UM)	0.1357	5732	7479	6200	6.17	1177	6.555
TIC:		104.4583	ng/uL				
TIM:		479.242	nmole/L				
Total Conc.:		105.9421	ng/uL				

Smear Analysis 200 bp to 1000 bp 99.9121 ng/ul 94.3 %Total 391.371 nmole/L 420 Avg. Size (b.p.) 36.47 %CV

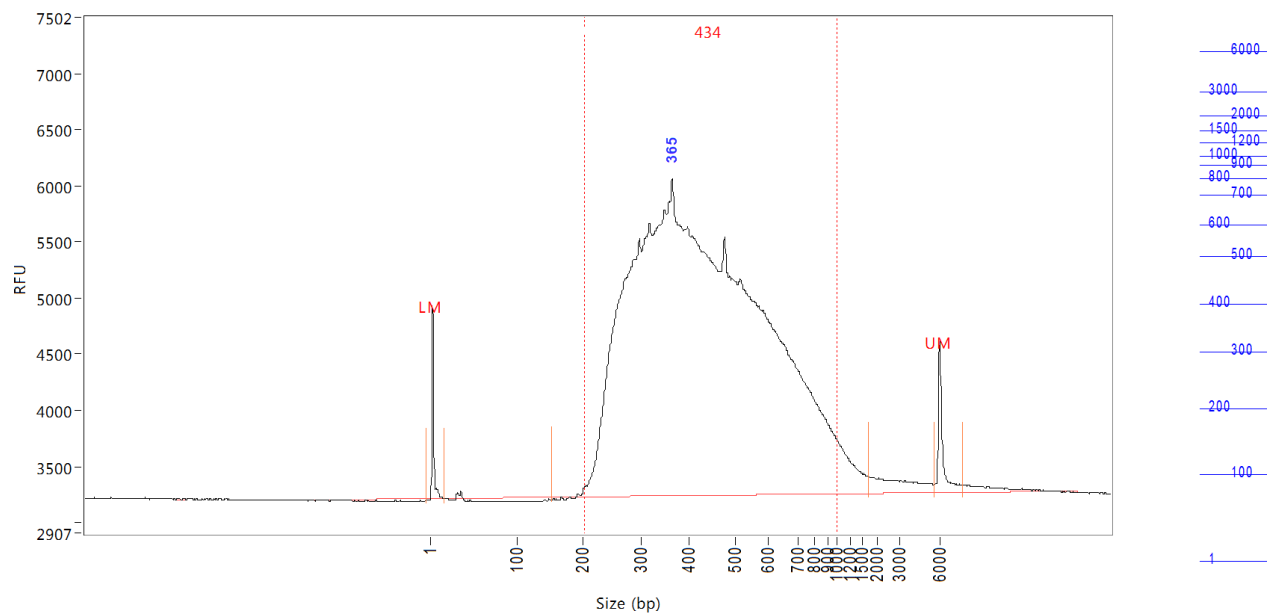
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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): 2.0830 Dilution Factor: 12.0

Sample: 3821_SVA-S6**Well Location:** C2**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	15	1	157.82	1652	9.807
34	0.1643	23	46	32	5.46	57	0.666
363	88.7192	150	1933	432	41.40	1403	359.684
6000 (UM)	0.0996	5512	7431	6066	4.64	1174	4.847
TIC:		88.8835	ng/uL				
TIM:		410.416	nmole/L				
Total Conc.:		89.4512	ng/uL				

Smear Analysis 200 bp to 1000 bp 87.4651 ng/ul 97.8 %Total 341.131 nmole/L 422 Avg. Size (b.p.) 35.89 %CV

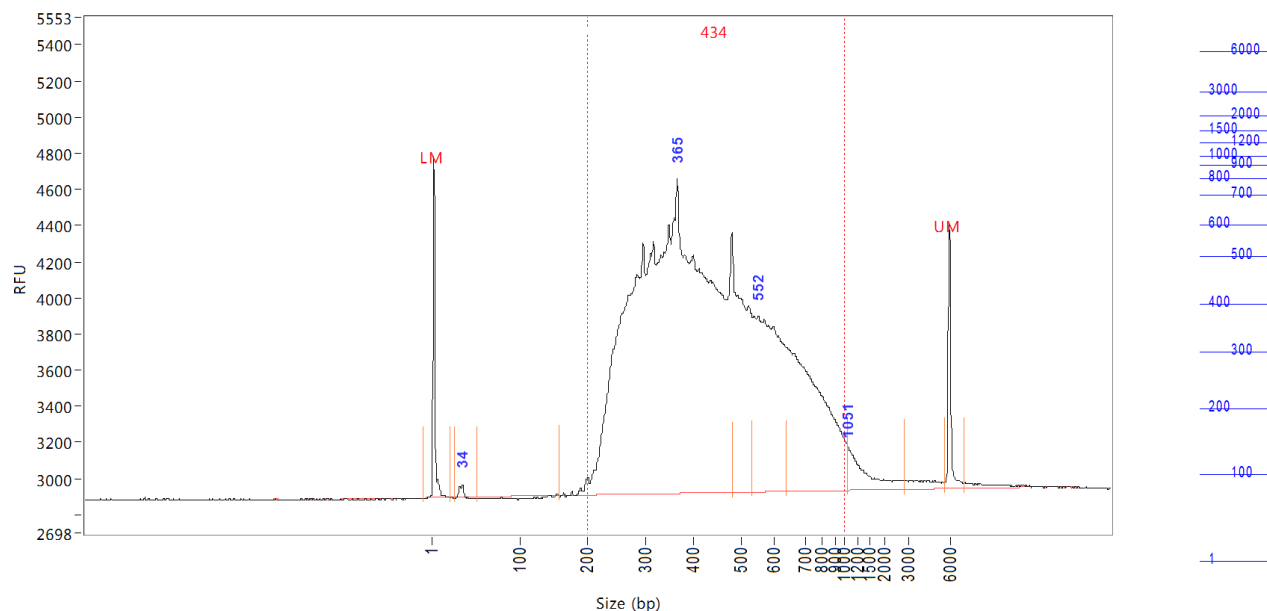
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
 Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
 Manual Baseline Start (min): 10 Manual Baseline End (min): 48
 Marker Peak Width (sec): 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): 2.0830 Dilution Factor: 12.0

Sample: 3821_SVA-S7**Well Location:** D2**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	15	2	135.31	1713	10.303
365	161.6895	152	1767	448	41.43	2828	688.641
6000 (UM)	0.1523	5537	7673	6204	7.33	1344	7.785
TIC:		161.6895	ng/uL				
TIM:		729.314	nmole/L				
Total Conc.:		163.8094	ng/uL				

Smear Analysis 200 bp to 1000 bp 158.8492 ng/ul 97.0 %Total 602.111 nmole/L 434 Avg. Size (b.p.) 35.12 %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): 2.0830 Dilution Factor: 12.0

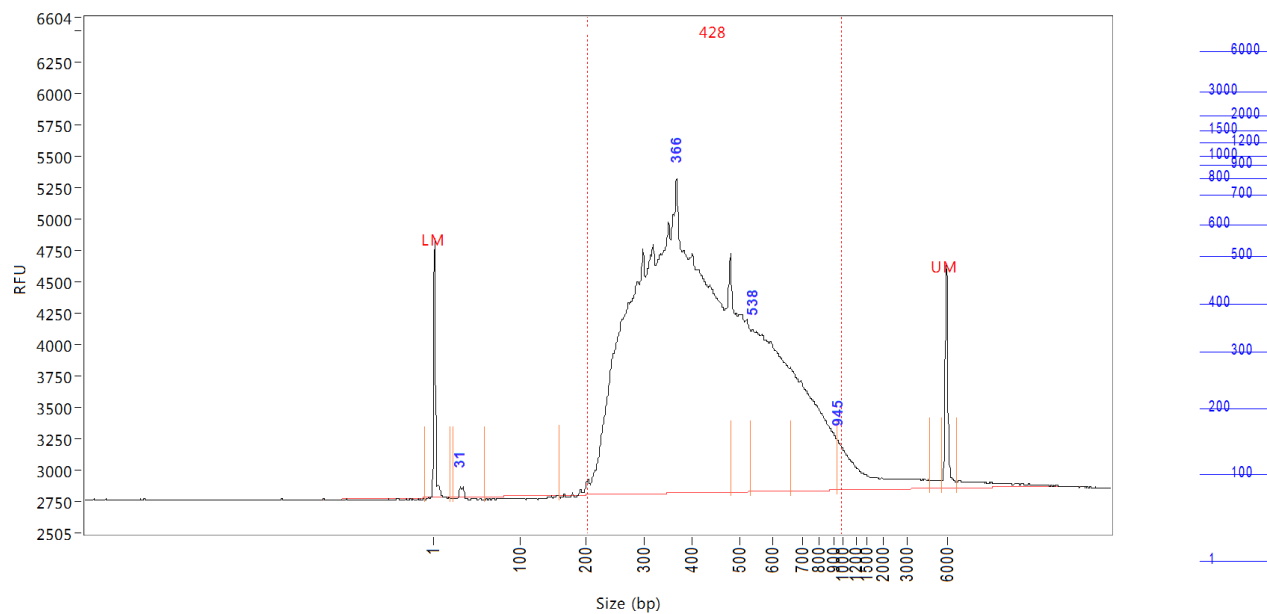
Sample: 3821_SVA-S8**Well Location:** E2**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	21	1	184.29	1891	11.468
34	0.1729	25	51	32	5.62	68	0.820
365	56.0752	158	479	346	20.60	1744	265.824
552	9.5585	530	637	581	5.29	976	45.312
1051	1.3314	1051	2806	1519	32.32	243	6.311
6000 (UM)	0.0987	5586	7067	6032	3.70	1462	5.614

TIC: 67.1380 ng/uL
TIM: 291.957 nmole/L
Total Conc.: 84.1863 ng/uL

Smear Analysis 200 bp to 1000 bp 81.8312 ng/uL 97.2 %Total 310.115 nmole/L 434 Avg. Size (b.p.) 36.00 %CV

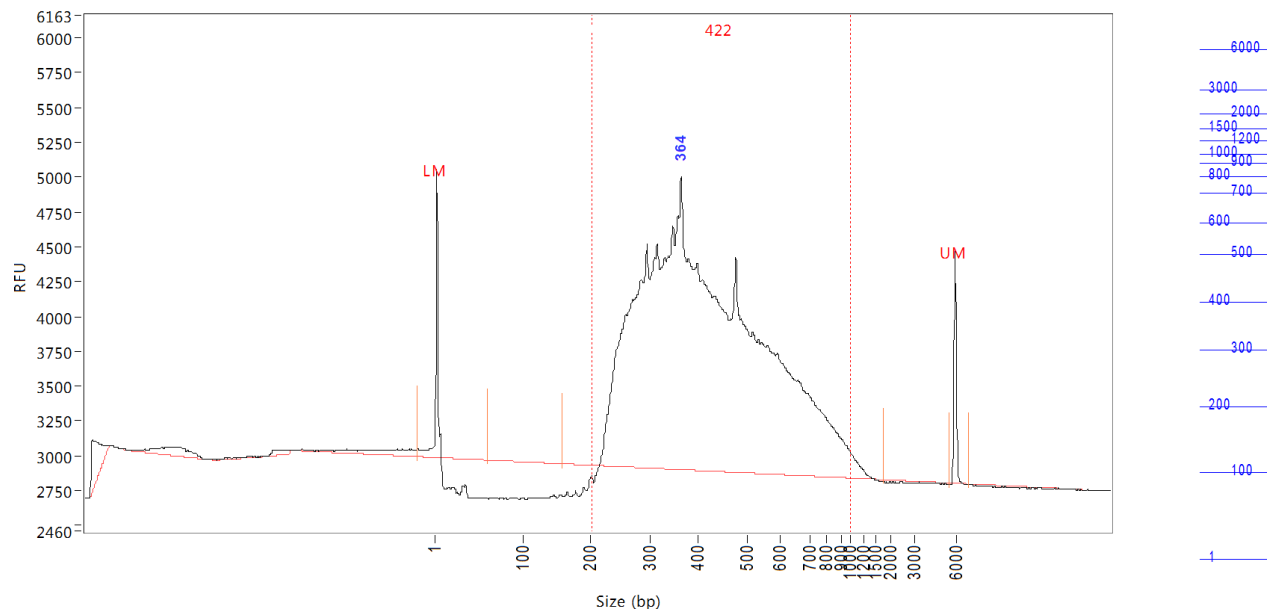
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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): 2.0830 Dilution Factor: 12.0

Sample: 3821_SVA-S9**Well Location:** F2**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	21	1	128.96	2055	12.215
31	0.1906	24	59	32	5.42	87	0.962
366	73.8198	159	481	348	20.25	2502	372.749
538	13.8250	530	664	591	6.47	1289	69.809
945	3.0488	945	4757	1777	56.10	406	15.395
6000 (UM)	0.1146	5634	6703	6014	2.70	1769	6.944
TIC:		90.8843	ng/uL				
TIM:		389.357	nmole/L				
Total Conc.:		107.4800	ng/uL				

Smear Analysis 200 bp to 1000 bp 104.4545 ng/ul 97.2 %Total 401.334 nmole/L 428 Avg. Size (b.p.) 35.30 %CV

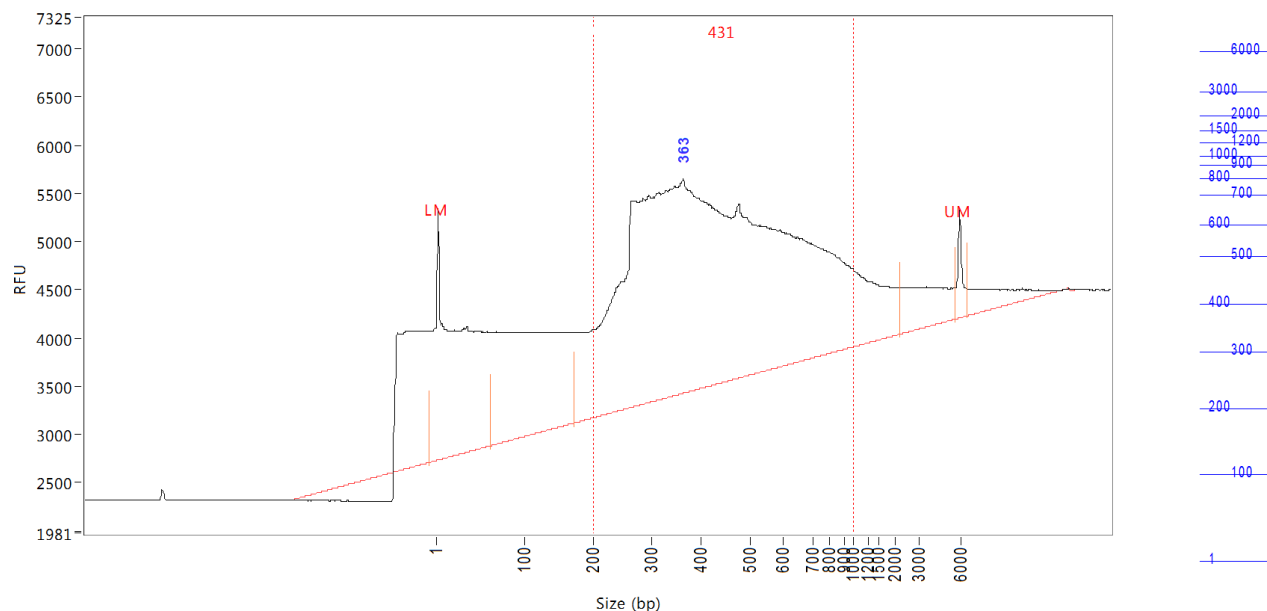
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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): 2.0830 Dilution Factor: 12.0

Sample: 3821_SVA-S10**Well Location:** G2**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	60	0	-586.86	2070	15.439
364	63.2590	158	1767	426	36.16	2106	403.719
6000 (UM)	0.0712	5586	6946	5971	1.45	1661	5.454
TIC:		63.2590	ng/uL				
TIM:		285.866	nmole/L				
Total Conc.:		63.2590	ng/uL				

Smear Analysis 200 bp to 1000 bp 62.8755 ng/ul 99.4 %Total 245.359 nmole/L 422 Avg. Size (b.p.) 34.39 %CV

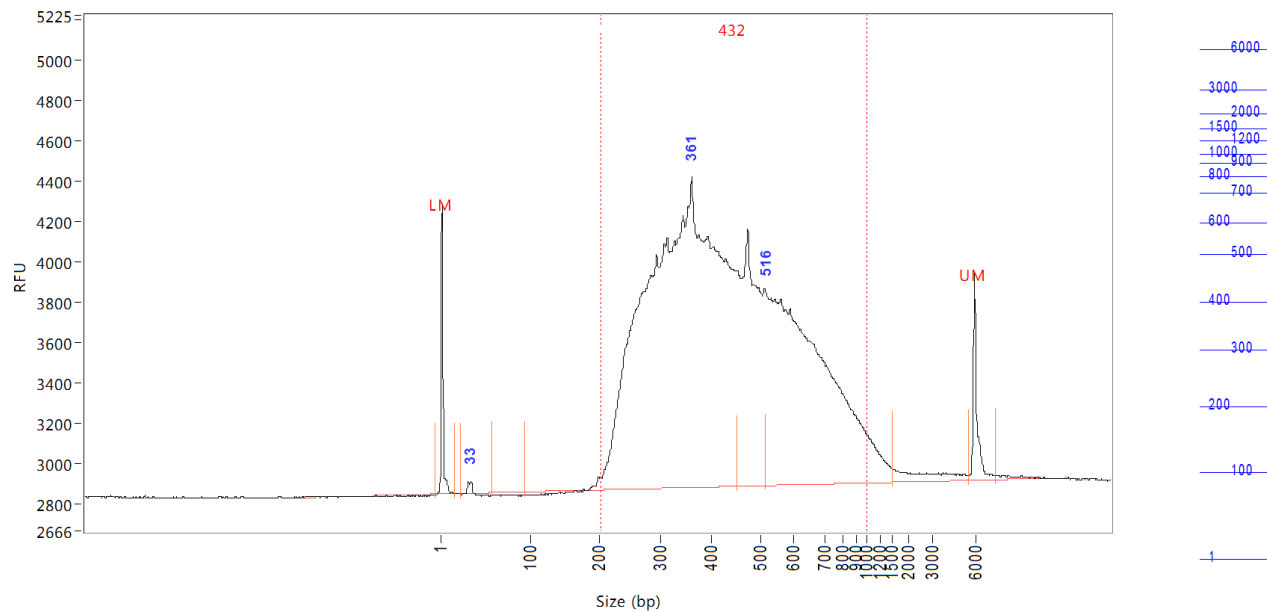
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 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): 2.0830 Dilution Factor: 12.0

Sample: 3821_SVA-S11**Well Location:** H2**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	60	24	83.18	2605	214.993
363	8.1490	172	2223	468	61.61	2226	724.237
6000 (UM)	0.0070	5634	6582	6051	3.87	1124	7.488
TIC:		8.1490	ng/uL				
TIM:		36.963	nmole/L				
Total Conc.:		10.6847	ng/uL				

Smear Analysis 200 bp to 1000 bp 7.3679 ng/ul 69.0 %Total 28.122 nmole/L 431 Avg. Size (b.p.) 39.35 %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): 2.0830 Dilution Factor: 12.0

Sample: 3821_SVA-S12**Well Location:** A3**Created:** Friday, January 13, 2017 11:21:21 AM

Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1 (LM)	0.2016	0	16	1	147.17	1437	8.701
33	0.2027	23	58	31	5.68	58	0.729
361	63.2823	93	453	336	19.19	1544	227.607
516	26.3048	516	1501	678	23.40	965	94.610
6000 (UM)	0.1159	5586	7479	6112	5.13	1023	5.002

TIC: 89.7898 ng/uL
 TIM: 381.956 nmole/L
 Total Conc.: 102.8477 ng/uL

Smear Analysis 200 bp to 1000 bp 100.1477 ng/uL 97.4 %Total 381.348 nmole/L 432 Avg. Size (b.p.) 35.57 %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): 2.0830 Dilution Factor: 12.0

Sample: H12:**Well Location:** Friday, January 13, 2017 11:21:21 AM**Created:** Point to Point

Calibration Curve

