

Fragment Analyzer Run Summary:

Filename and Data Path: C:\Users\Cathy\Documents\UGenomics\Fragment analyzer results\29Nov19\

Filename and Data Path: NGS_PedroRosmaninho 15-29-00\2019 11 29 15H 29M.raw

Created: Friday, November 29, 2019 3:45:15 PM

of Capillaries: 10

Array Serial #: 083018-05USFS

Effect Length: 22 cm

Array Usage Count: 19

FA Version #: 1.1.0.11

Device Serial #: 3495

METHOD INFORMATION

Method Name: DNF-474-22 - HS NGS Fragment 1-6000bp.mthds

Gel Prime: No

Full Conditioning: Yes

Gel Prime to Buffer: No

Gel Selection: Gel 1

Perform Prerun: 7,0 kV, 30 sec.

Rinse: No

Marker 1: No

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

Sample Injection: 4,5 kV, 30 sec.

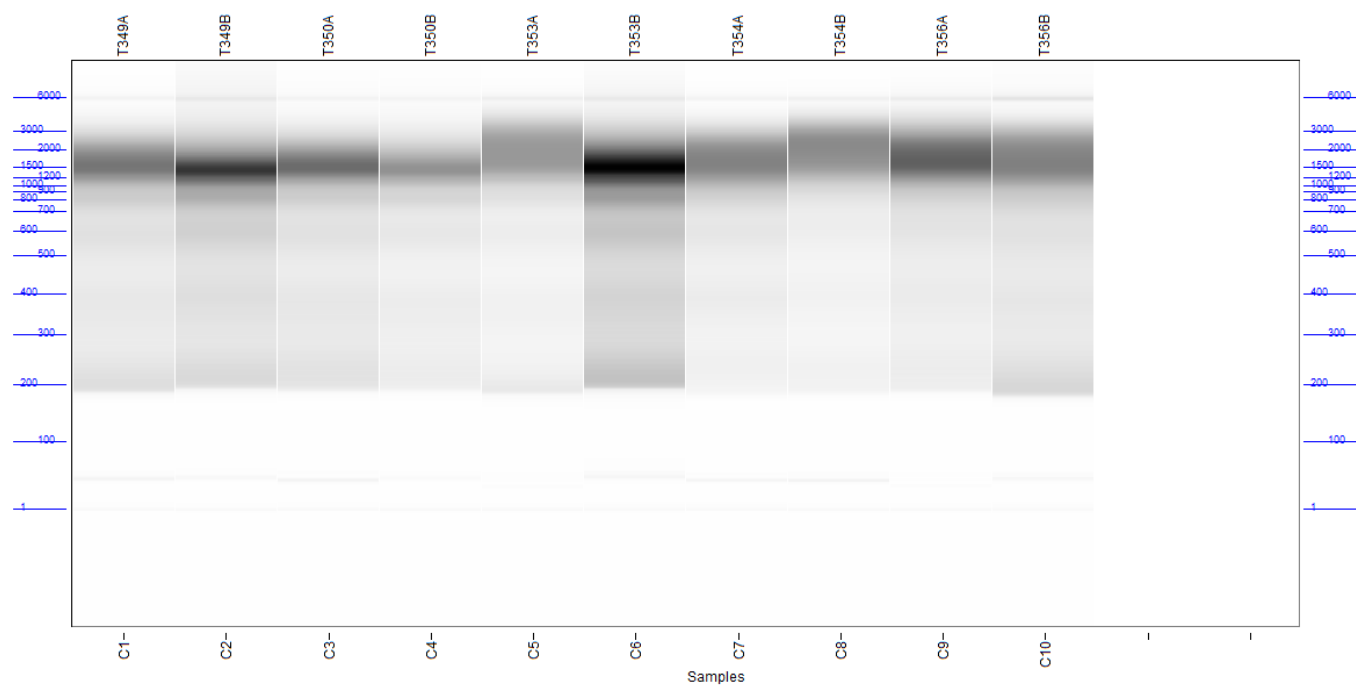
Separation: 7,0 kV, 25,0 min.

Tray Name: Tray-1

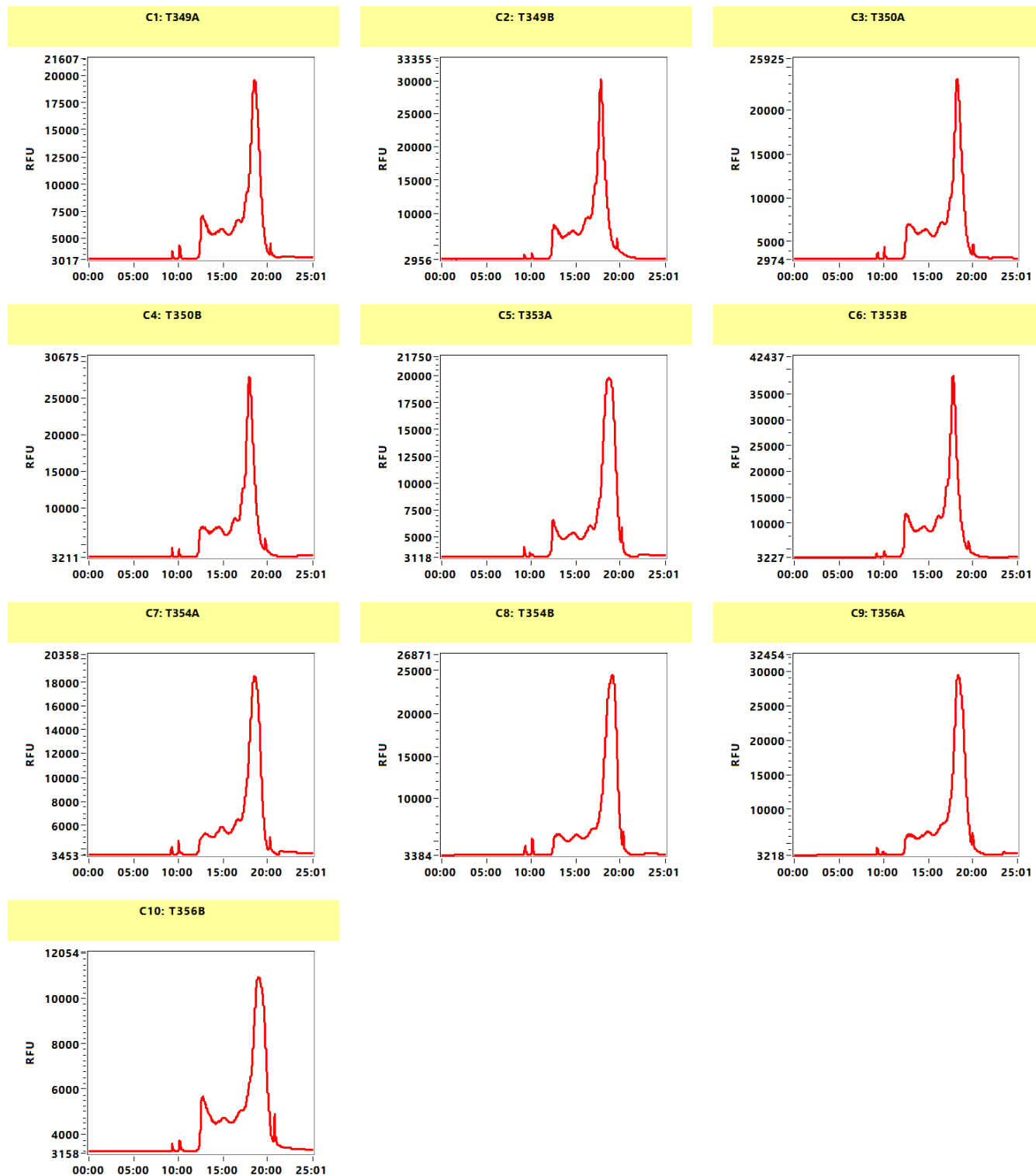
Analysis Mode: NGS

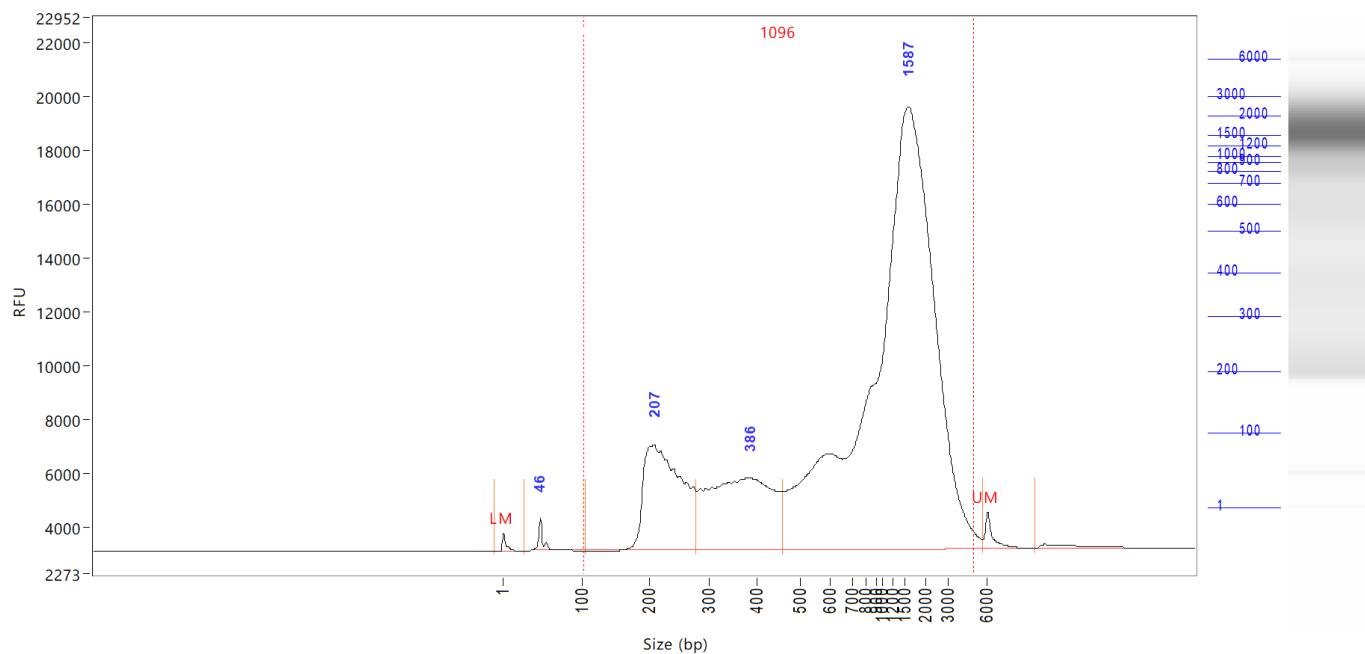
NOTES

Gel Image



Filename and Data Path: C:\Users\Cathy\Documents\UGenomics\Fragment analyzer results\29Nov19\NGS_PedroRosmaninho
15-29-00\2019 11 29 15H 29M.raw

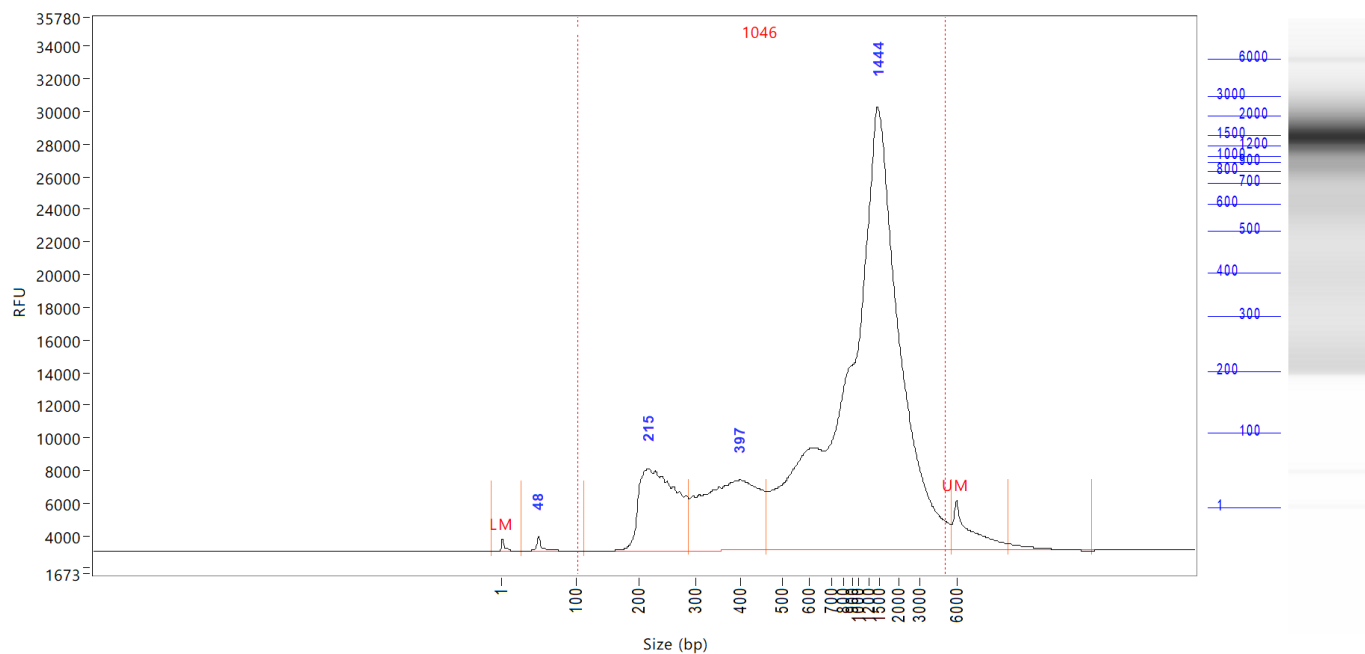


Sample: T349A**Well Location:** C1**Created:** Friday, November 29, 2019 3:45:15 PM

Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0,0158	0	27	2	143,45	646	6,175
2	46	0,4180	27	105	48	12,21	1180	13,577
3	207	9,4057	105	279	226	11,93	3907	305,509
4	386	9,9049	279	458	363	14,02	2664	321,724
5	1587	46,4644	458	9688	1490	61,46	16458	1509,231
6	6000 (UM)	0,0355	5684	9688	6441	11,59	1356	13,849
TIC:		66,1929	ng/uL					
TIM:		178,9211	nmole/L					
Total Conc.:		65,6240	ng/uL					

Smear Analysis 100 bp to 5000 bp 65,0724 ng/uL 99,2 %Total 97,6911 nmole/L 1096 Avg. Size (bp) 75,48 %CV

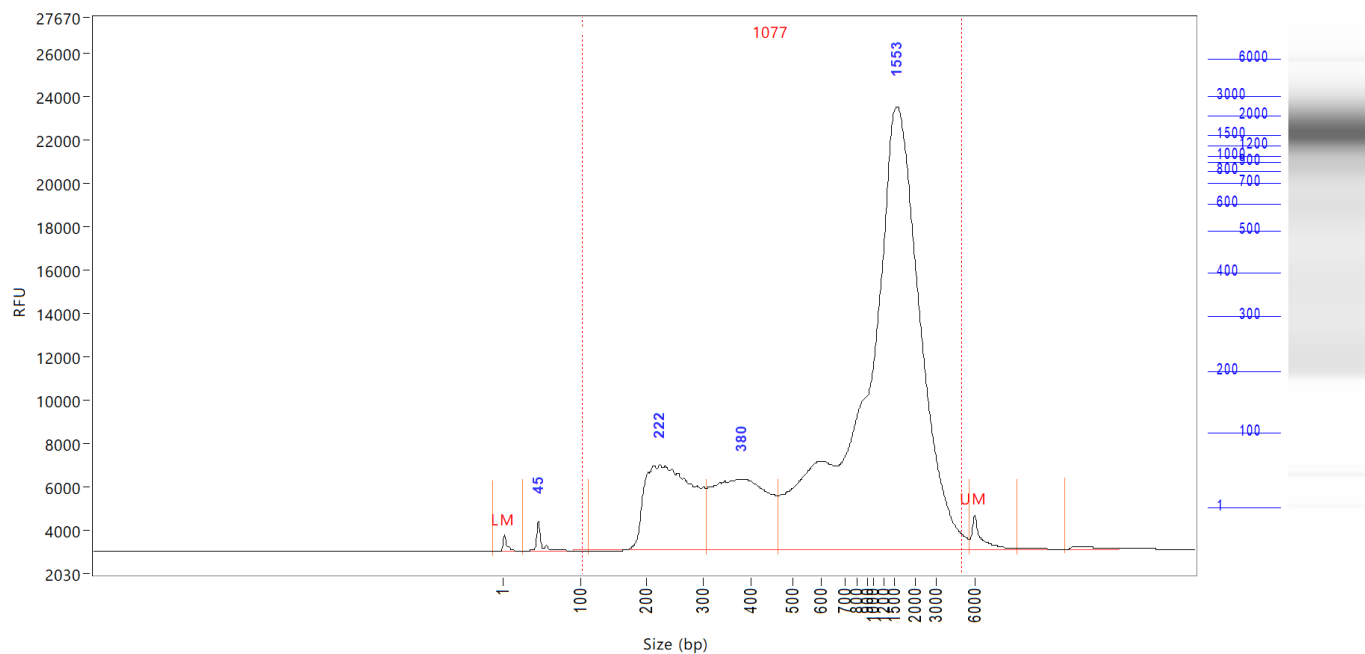
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 25
Manual Baseline Start (min): 5 Manual Baseline End (min): 24
Marker Peak Width (sec): 3 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: T349B**Well Location:** C2**Created:** Friday, November 29, 2019 3:45:15 PM

Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0,0158	0	25	1	236,08	727	6,904
2	48	0,2922	25	110	50	15,91	878	10,614
3	215	10,9942	110	288	235	11,85	5033	399,311
4	397	12,8089	288	461	372	13,19	4323	465,224
5	1444	62,4354	461	16804	1575	90,25	27208	2267,669
6	6000 (UM)	0,1597	5579	10051	7119	16,96	3018	69,600
TIC:		86,5308	ng/uL					
TIM:		208,4132	nmole/L					
Total Conc.:		84,1936	ng/uL					

Smear Analysis 100 bp to 5000 bp 83,5149 ng/uL 99,2 %Total 131,4247 nmole/L 1046 Avg. Size (bp) 76,40 %CV

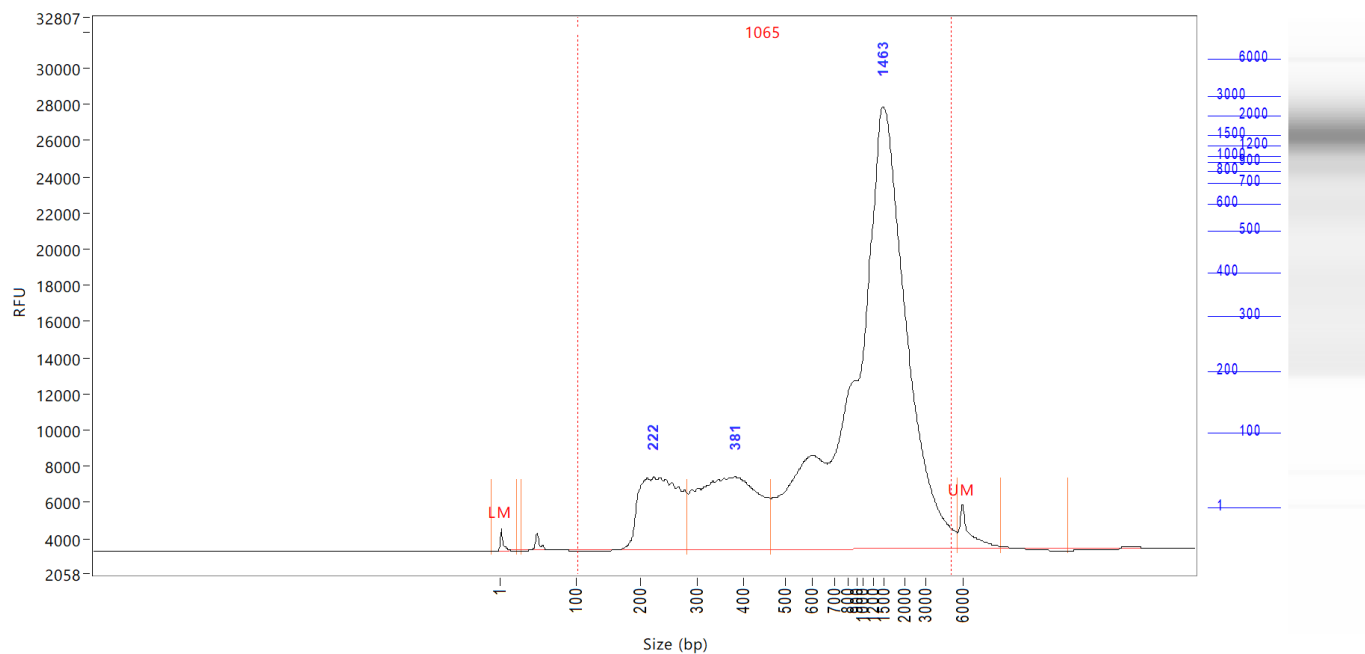
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 25
Manual Baseline Start (min): 5 Manual Baseline End (min): 24
Marker Peak Width (sec): 3 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: T350A**Well Location:** C3**Created:** Friday, November 29, 2019 3:45:15 PM

Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0,0158	0	26	2	150,49	748	6,937
2	45	0,4108	26	111	46	13,75	1377	14,991
3	222	10,7216	111	304	242	13,58	3935	391,283
4	380	9,1740	304	464	379	11,83	3279	334,802
5	1553	46,3077	464	13012	1487	63,81	20428	1689,984
6	6000 (UM)	0,0430	5579	9272	6476	11,78	1584	18,820
TIC:		66,6141	ng/uL					
TIM:		178,5679	nmole/L					
Total Conc.:		65,9161	ng/uL					

Smear Analysis 100 bp to 5000 bp 65,3777 ng/uL 99,2 %Total 99,9467 nmole/L 1077 Avg. Size (bp) 74,62 %CV

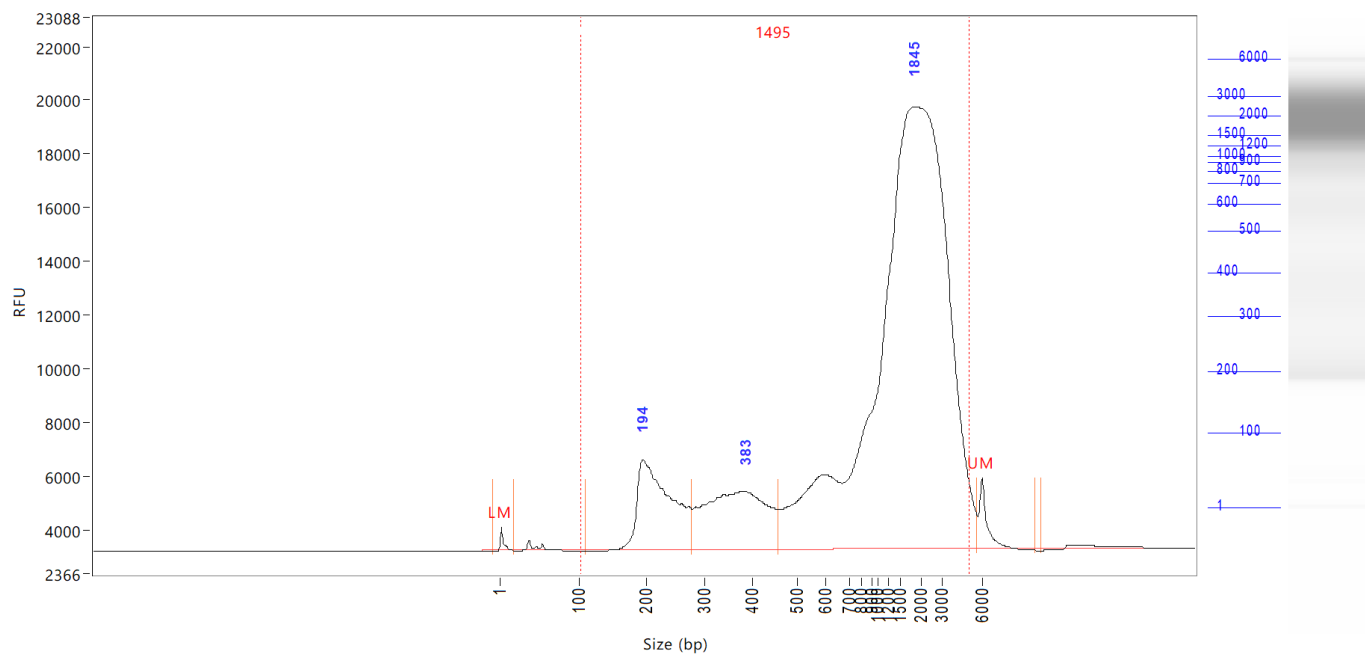
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 25
Manual Baseline Start (min): 5 Manual Baseline End (min): 24
Marker Peak Width (sec): 3 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: T350B**Well Location:** C4**Created:** Friday, November 29, 2019 3:45:15 PM

Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0,0158	0	22	1	241,88	1209	10,487
2	222	6,4885	28	283	227	18,73	4028	357,967
3	381	8,3874	283	465	366	13,96	4008	462,729
4	1463	36,3144	465	14311	1480	69,14	24458	2003,449
5	6000 (UM)	0,0497	5579	8961	6545	12,38	2443	32,925
TIC:		51,1903	ng/uL					
TIM:		125,0963	nmole/L					
Total Conc.:		50,4672	ng/uL					

Smear Analysis 100 bp to 5000 bp 50,1089 ng/uL 99,3 %Total 77,4748 nmole/L 1065 Avg. Size (bp) 74,61 %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): 25
Manual Baseline Start (min): 5 Manual Baseline End (min): 24
Marker Peak Width (sec): 3 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

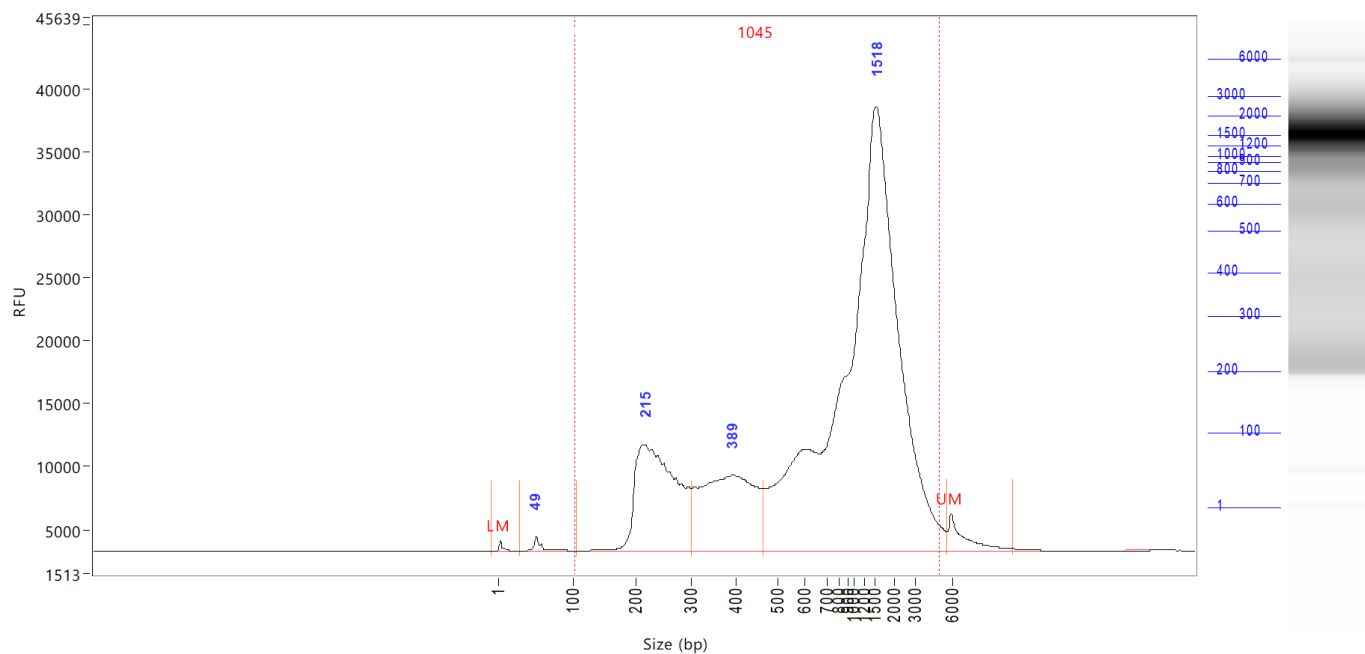
Sample: T353A**Well Location:** C5**Created:** Friday, November 29, 2019 3:45:15 PM

Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0,0158	0	16	2	175,66	864	8,191
2	194	5,4308	108	277	220	12,61	3368	234,011
3	383	5,8138	277	458	361	13,91	2160	250,517
4	1845	40,0949	458	10467	1934	59,30	16475	1727,686
5	6000 (UM)	0,0495	5684	9999	6230	7,74	2618	25,602

TIC: 51,3395 ng/uL
TIM: 101,2153 nmole/L
Total Conc.: 50,8351 ng/uL

Smear Analysis 100 bp to 5000 bp 50,2878 ng/uL 98,9 %Total 55,3627 nmole/L 1495 Avg. Size (bp) 72,42 %CV

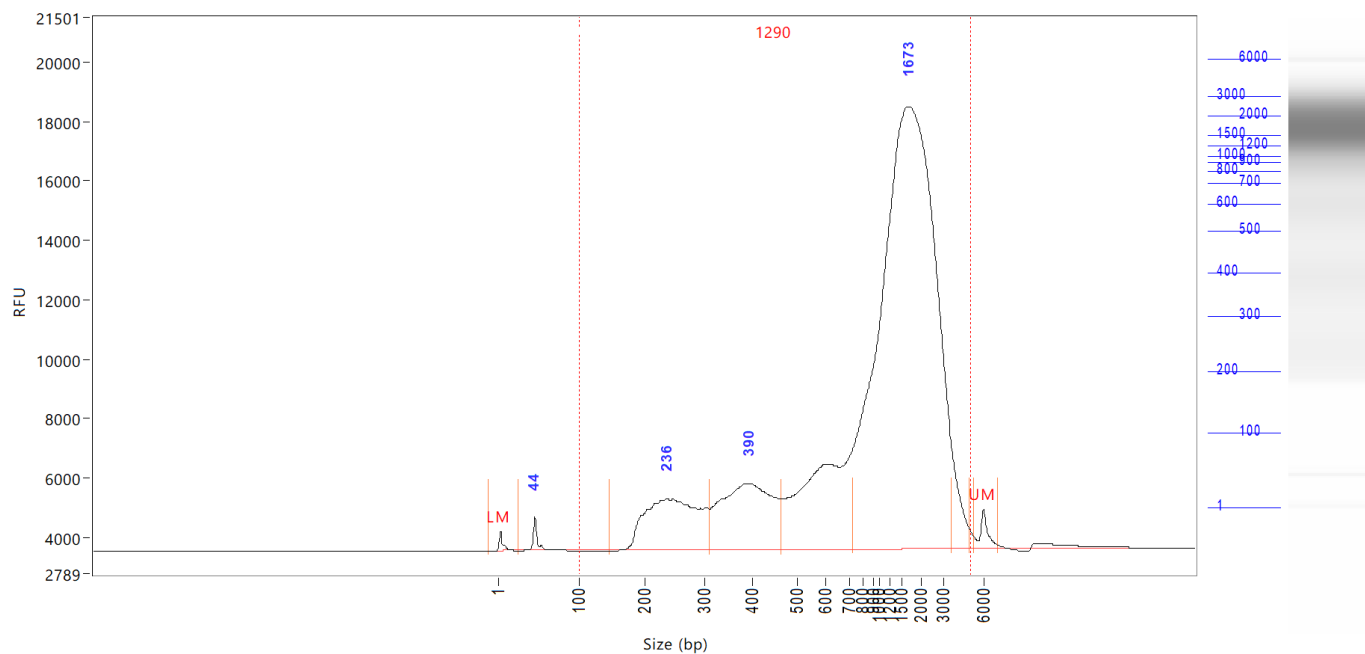
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 25
Manual Baseline Start (min): 5 Manual Baseline End (min): 24
Marker Peak Width (sec): 3 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: T353B**Well Location:** C6**Created:** Friday, November 29, 2019 3:45:15 PM

Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0,0158	0	28	3	169,78	747	8,074
2	49	0,4796	28	104	54	22,20	1114	20,371
3	215	16,8727	104	299	238	13,18	8403	716,632
4	389	14,7533	299	465	379	12,43	5967	626,617
5	1518	69,0131	465	5579	1409	58,11	35240	2931,191
6	6000 (UM)	0,1174	5579	10883	7028	18,13	2965	59,827
TIC:		101,1187	ng/uL					
TIM:		275,8099	nmole/L					
Total Conc.:		100,8491	ng/uL					

Smear Analysis 100 bp to 5000 bp 100,0331 ng/ul 99,2 %Total 157,6258 nmole/L 1045 Avg. Size (bp) 78,38 %CV

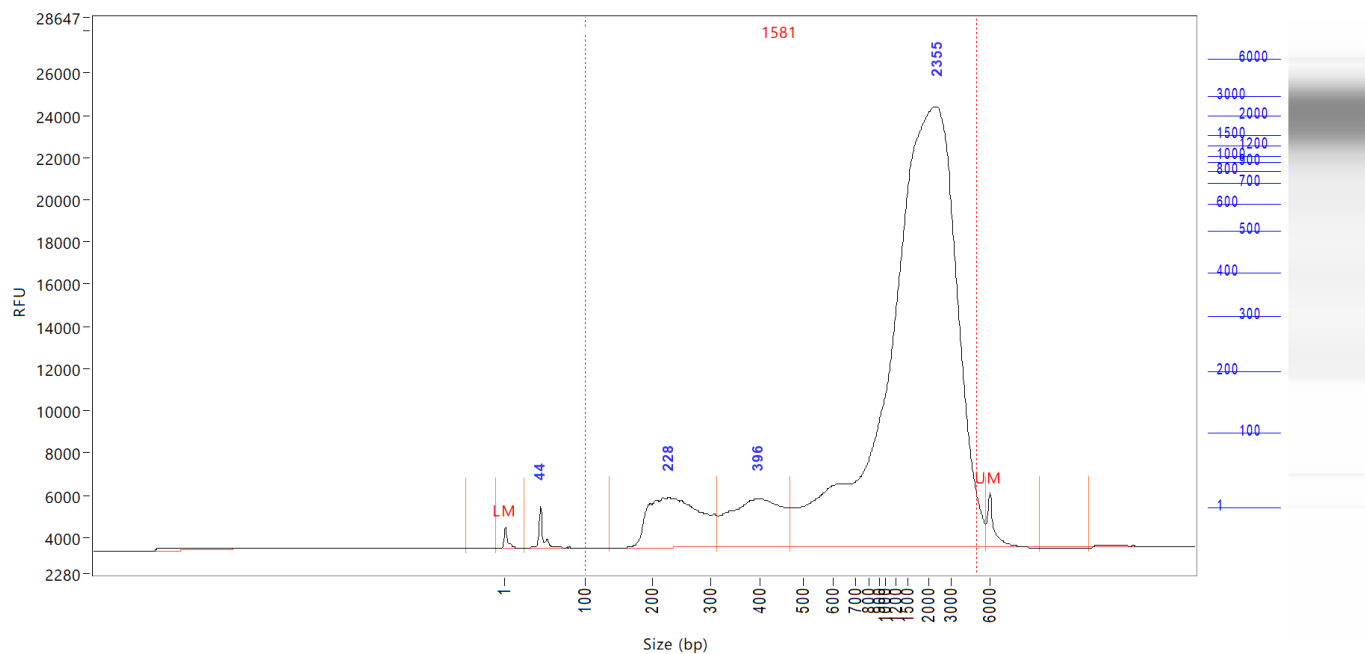
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 25
Manual Baseline Start (min): 5 Manual Baseline End (min): 24
Marker Peak Width (sec): 3 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: T354A**Well Location:** C7**Created:** Friday, November 29, 2019 3:45:15 PM

Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0,0158	0	25	2	133,96	644	6,689
2	44	0,3215	25	144	45	11,11	1134	11,311
3	236	5,4516	144	310	243	14,68	1720	191,818
4	390	5,9434	310	464	385	11,02	2232	209,123
5	1673	33,4185	723	3580	1689	37,76	14887	1175,855
6	6000	0,0323	5211	7091	6026	6,90	1342	13,635
7	6000 (UM)	0,0393	4895	7091	5861	9,12	1342	16,594
TIC:		45,1673	ng/uL					
TIM:		106,5670	nmole/L					
Total Conc.:		52,8925	ng/uL					

Smear Analysis 100 bp to 5000 bp 52,5241 ng/uL 99,3 %Total 67,0276 nmole/L 1290 Avg. Size (bp) 68,40 %CV

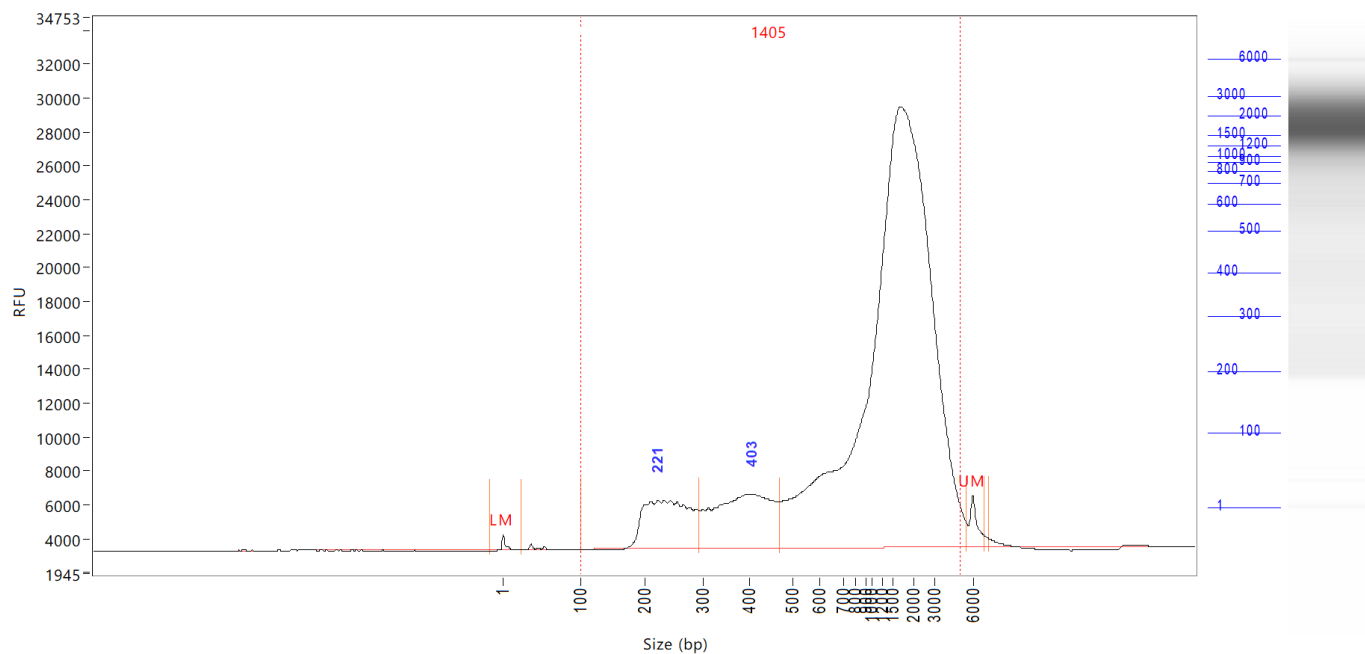
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 25
Manual Baseline Start (min): 5 Manual Baseline End (min): 24
Marker Peak Width (sec): 3 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: T354B**Well Location:** C8**Created:** Friday, November 29, 2019 3:45:15 PM

Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0,0158	0	25	1	207,44	965	9,194
2	44	0,6393	0	136	32	64,57	1949	30,919
3	228	5,3622	136	312	241	14,92	2374	259,330
4	396	4,4960	312	470	391	11,17	2304	217,440
5	2355	41,9421	470	13428	1957	55,54	20878	2028,438
6	6000 (UM)	0,0398	5684	9792	6191	7,43	2531	23,101
TIC:		52,4396	ng/uL					
TIM:		123,4172	nmole/L					
Total Conc.:		51,7139	ng/uL					

Smear Analysis 100 bp to 5000 bp 50,9419 ng/uL 98,5 %Total 53,0443 nmole/L 1581 Avg. Size (bp) 67,46 %CV

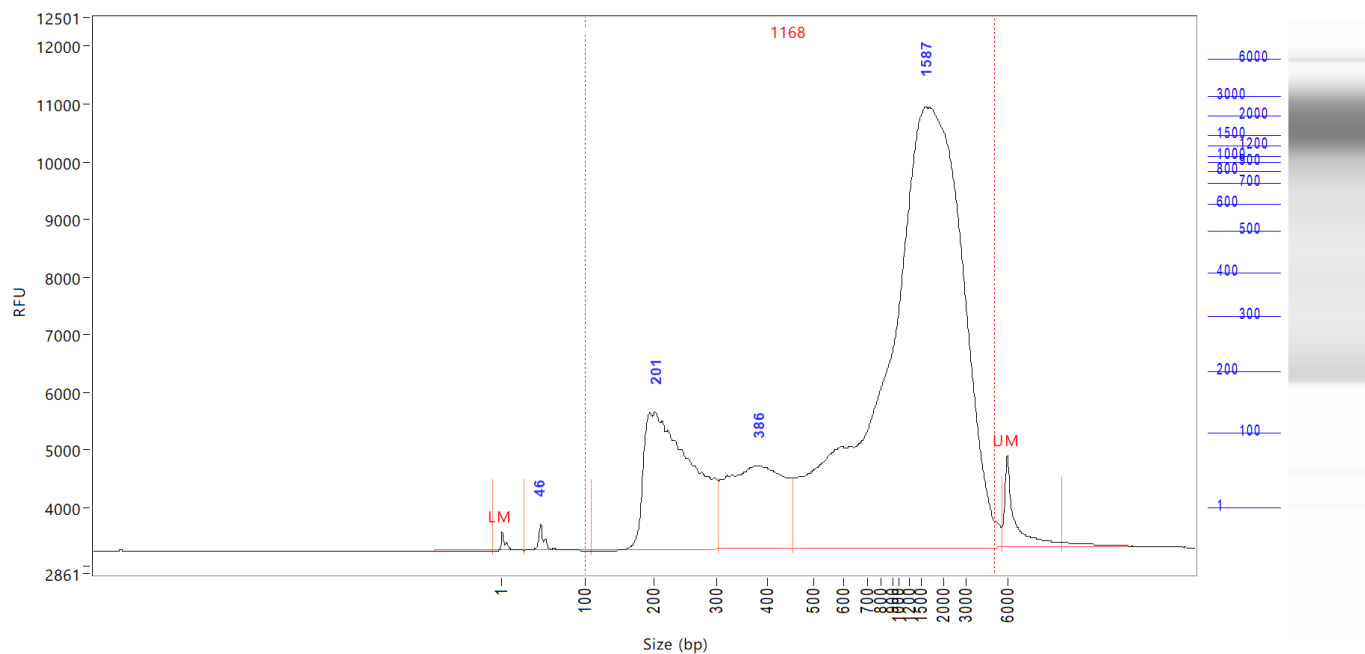
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 25
Manual Baseline Start (min): 5 Manual Baseline End (min): 24
Marker Peak Width (sec): 3 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: T356A**Well Location:** C9**Created:** Friday, November 29, 2019 3:45:15 PM

Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0,0158	0	24	1	198,76	881	7,600
2	221	7,0336	102	294	237	13,14	2885	281,216
3	403	8,6845	294	472	382	13,11	3191	347,223
4	6000	0,0690	5421	6935	6044	6,33	2986	33,118
5	6000 (UM)	0,0736	5421	7194	6103	7,26	2986	35,335
TIC:		15,7872	ng/uL					
TIM:		86,2290	nmole/L					
Total Conc.:		75,6596	ng/uL					

Smear Analysis 100 bp to 5000 bp 75,2878 ng/uL 99,5 %Total 88,2144 nmole/L 1405 Avg. Size (bp) 69,27 %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): 25
Manual Baseline Start (min): 5 Manual Baseline End (min): 24
Marker Peak Width (sec): 3 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: T356B**Well Location:** C10**Created:** Friday, November 29, 2019 3:45:15 PM

Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0,0158	0	28	2	132,97	325	3,614
2	46	0,3325	28	110	48	10,73	454	6,323
3	201	12,3193	110	302	230	15,28	2386	234,232
4	386	7,8729	302	458	377	11,60	1440	149,690
5	1587	45,3226	458	5579	1579	57,10	7650	861,736
6	6000 (UM)	0,0908	5579	9999	6734	16,32	1596	20,718
TIC:		65,8473	ng/uL					
TIM:		181,0331	nmole/L					
Total Conc.:		65,7078	ng/uL					

Smear Analysis 100 bp to 5000 bp 65,1816 ng/uL 99,2 %Total 91,8619 nmole/L 1168 Avg. Size (bp) 80,06 %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): 25
Manual Baseline Start (min): 5 Manual Baseline End (min): 24
Marker Peak Width (sec): 3 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: A12

Created: Friday, November 29, 2019 3:45:15 PM

Import From: C:\Users\Cathy\Documents\UGenomics\Fragment analyzer results\29Nov19\NGS_ladder.SCAL

Fit Type: Point to Point

Calibration Curve

