

Fragment Analyzer Run Summary:

Filename and Data Path: C:\AATI\Data\2014 07 04\15-21-29\2014 07 04 15H 21M.raw

Created: 04 July, 2014 15:37:11

of Capillaries: 4

Array Serial #: 061113-02SFS

Effect Length: 33 cm

Array Usage Count: 136

FA Version #: 1.0.2.9

Device Serial #: 2764

METHOD INFORMATION

Method Name: DNF-486-33 - HS NGS Fragment 35-6000bp.mthds

Gel Prime: No

Full Conditioning: Yes

Gel Prime to Bufer: 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: 5.0 kV, 30 sec.

Separation: 6.0 kV, 50.0 min.

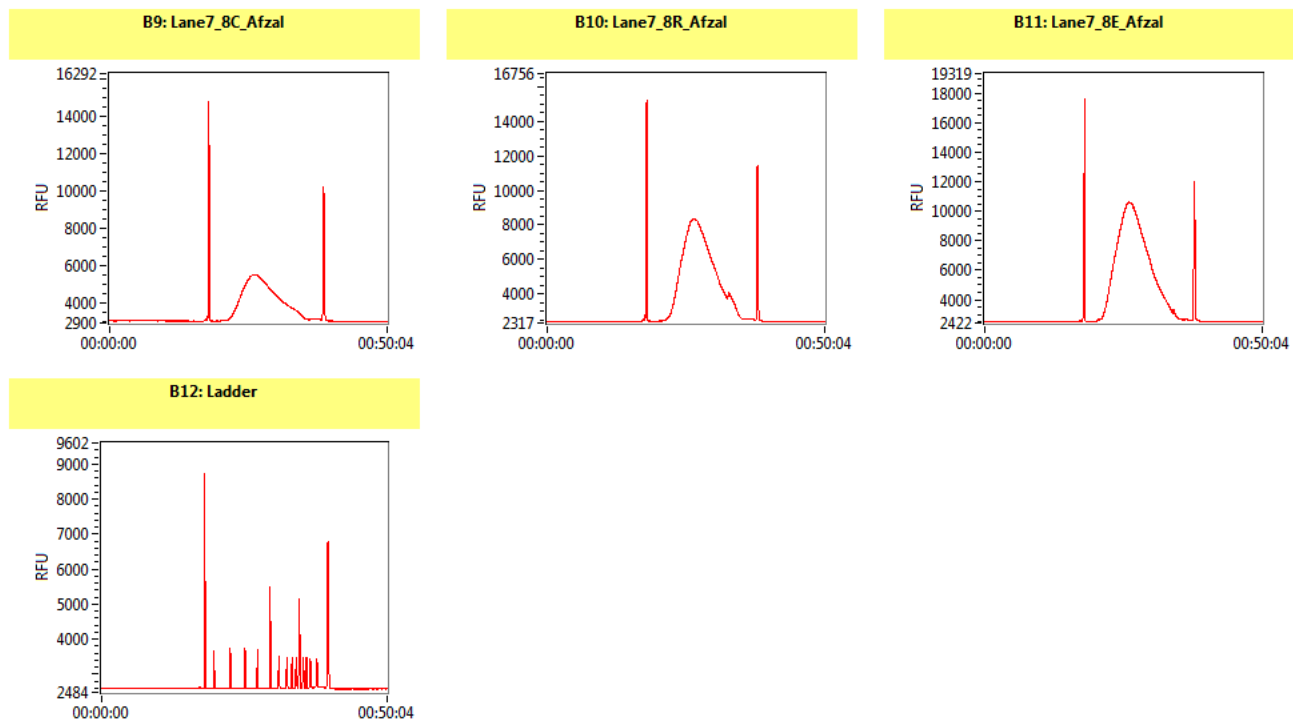
Tray Name: Tray-1

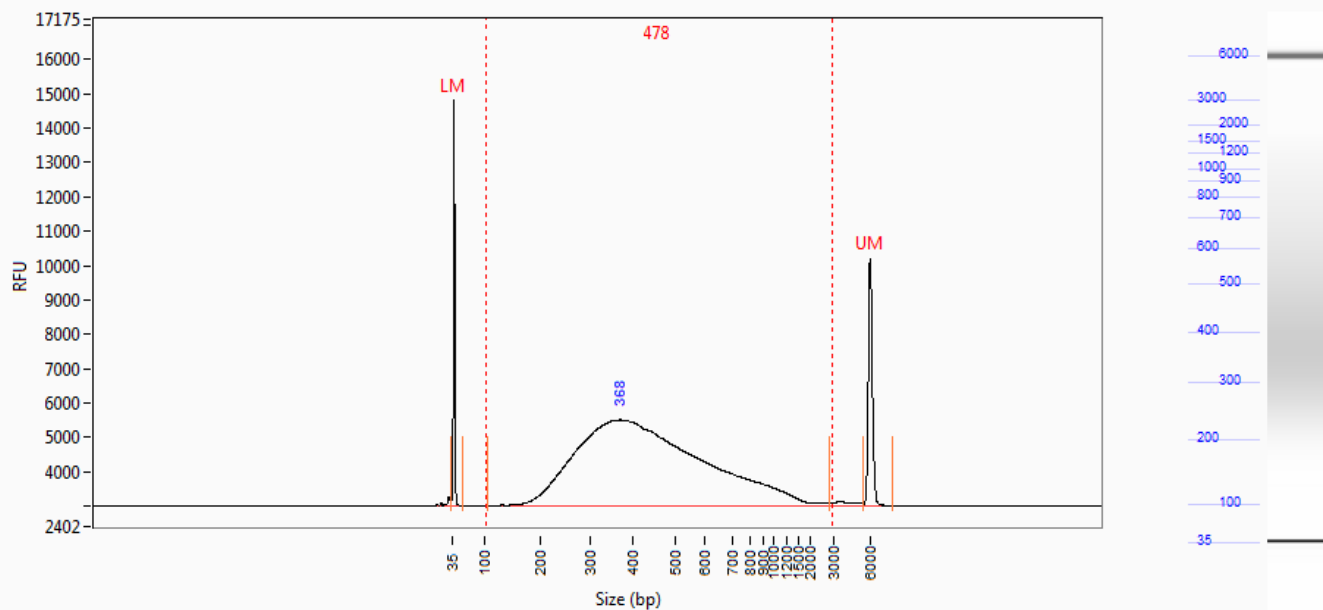
Analysis Mode: NGS

NOTE



Filename and Data Path: C:\AATI\Data\2014 07 04\15-21-29\2014 07 04 15H 21M.raw

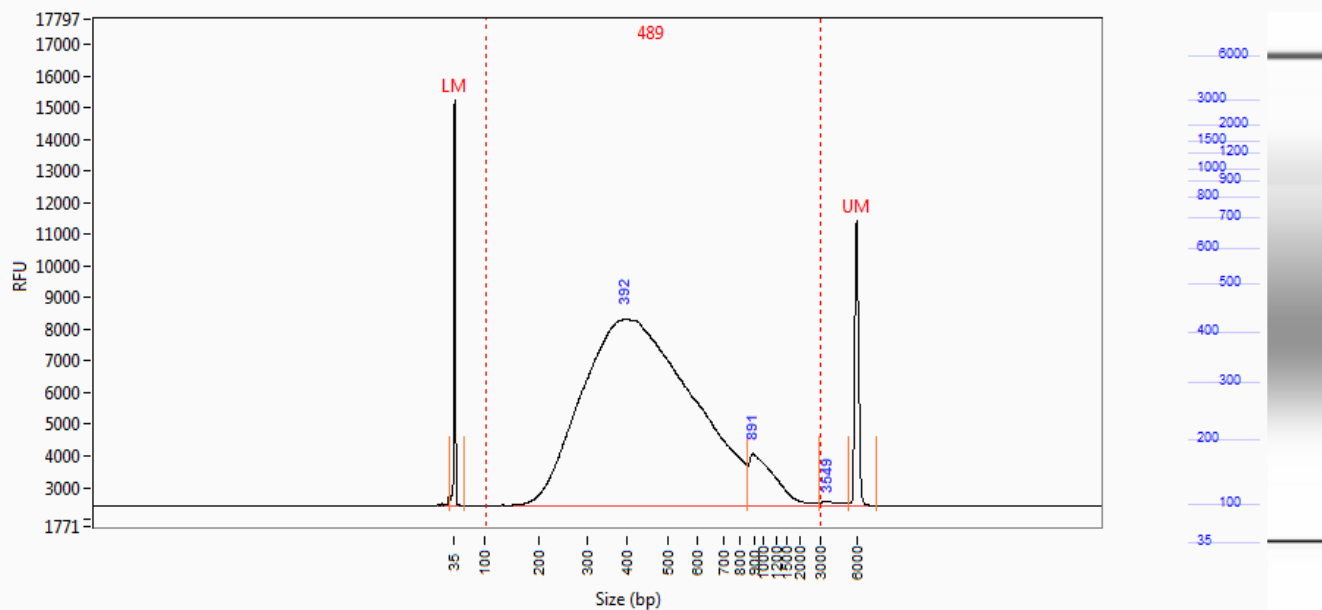


Sample: Lane7_8C_Afzal**Well Location:** B9**Created:** 04 July, 2014 15:37:11

Peak	Size (bp)	Molarity (nmole/L)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	1.398	29	53	34	4.56	11802	55.379
2	368	19.469	103	2824	476	51.80	2504	671.901
3	6000 (UM)	0.007	5452	7787	6031	3.07	7212	45.002
TIC:		4.3578	ng/uL					
TIM:		19.469	nmole/L					
Total Conc.:		4.3848	ng/uL					

Smear Analysis 100 bp to 3000 bp 4.359 ng/ul 99.4 %Total 15.0020 nmole/L 478 Avg. Size (b.p.) 53.72 %CV

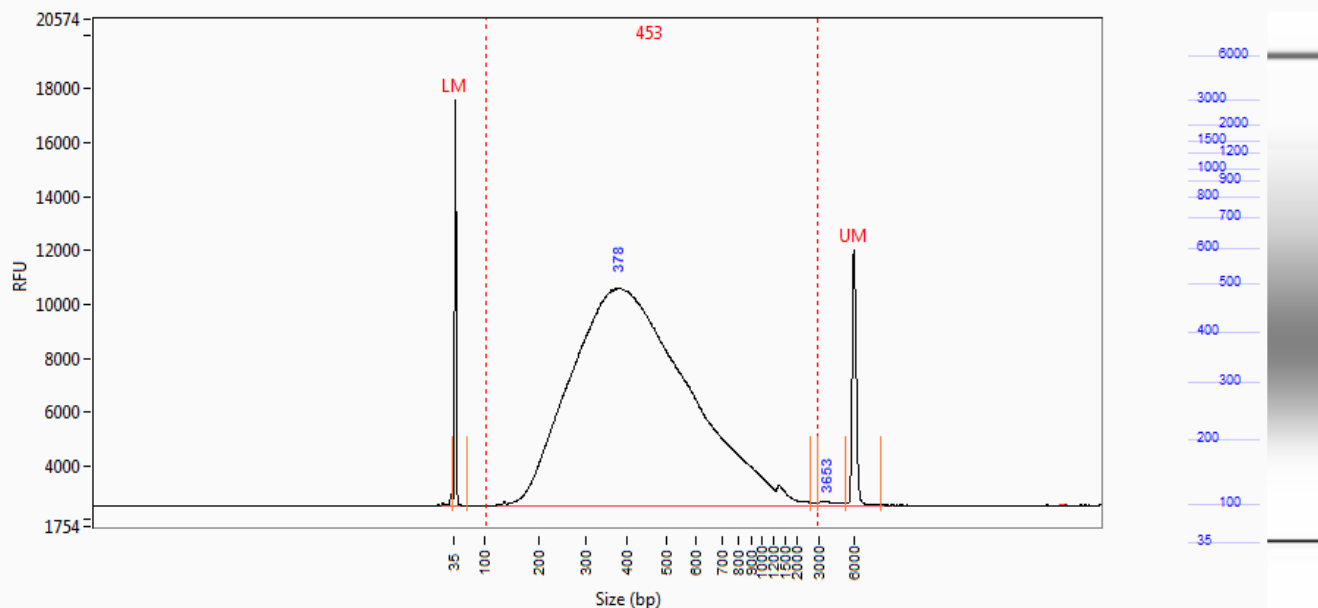
Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 35, 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: Lane7_8R_Afzal**Well Location:** B10**Created:** 04 July, 2014 15:37:11

Peak	Size (bp)	Molarity (nmole/L)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	1.398	26	56	34	5.49	12811	62.542
2	392	33.500	56	856	445	30.53	5907	1388.691
3	891	0.792	856	2941	1144	31.69	1650	74.663
4	3549	0.012	2941	5400	4020	17.43	143	4.361
5	6000 (UM)	0.007	5400	7658	6011	3.06	9007	54.210
TIC:		8.4291	ng/uL					
TIM:		34.304	nmole/L					
Total Conc.:		8.4291	ng/uL					

Smear Analysis 100 bp to 3000 bp 8.402 ng/ul 99.7 %Total 28.2719 nmole/L 489 Avg. Size (b.p.) 47.85 %CV

Sample Peak Width (sec): 50 Sample Min Peak Height: 25 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 50
Manual Baseline Start (min): 10 Manual Baseline End (min): 48
Marker Peak Width (sec): 5 Marker Min Peak Height: 200 Marker Baseline V to V?: Y Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 35, 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

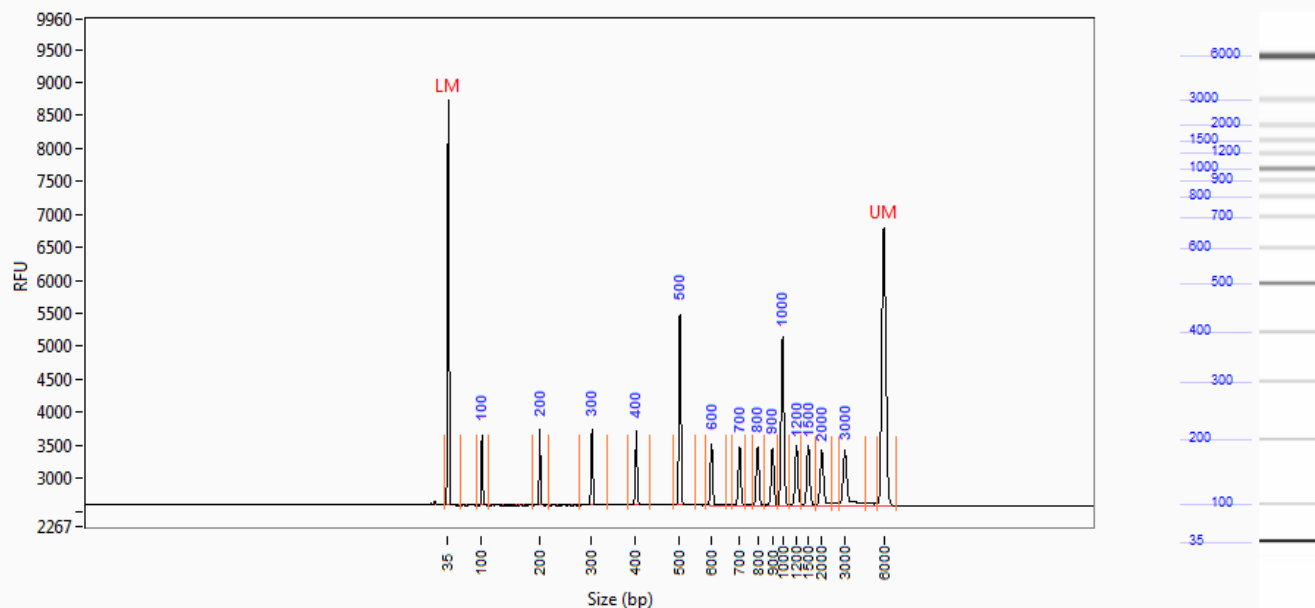
Sample: Lane7_8E_Afzal**Well Location:** B11**Created:** 04 July, 2014 15:37:11

Peak	Size (bp)	Molarity (nmole/L)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	1.398	29	62	34	5.27	15043	71.275
2	378	45.082	62	2662	451	46.01	8074	2055.845
3	3653	0.010	2956	5270	3988	16.62	147	4.381
4	6000 (UM)	0.007	5270	8228	6036	3.82	9485	59.738
	TIC:	10.3821	ng/uL					
	TIM:	45.092	nmole/L					
	Total Conc.:	10.3869	ng/uL					

Smear Analysis 100 bp to 3000 bp 10.361 ng/uL 99.8 %Total 37.6163 nmole/L 453 Avg. Size (b.p.) 47.92 %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 > 500 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 35, 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: Ladder
Well Location: B12
Created: 04 July, 2014 15:37:11



Peak	Size (bp)	Molarity (nmole/L)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	35 (LM)	1.398	30	61	35	4.02	6132	28.675
2	100	0.857	90	113	99	1.27	1054	4.168
3	200	0.447	188	218	199	0.64	1140	4.336
4	300	0.302	278	336	300	0.76	1142	4.393
5	400	0.240	381	432	400	0.90	1122	4.660
6	500	0.508	485	549	499	0.69	2889	12.327
7	600	0.143	582	653	600	0.94	928	4.151
8	700	0.120	674	733	699	0.75	891	4.088
9	800	0.107	772	845	798	0.92	886	4.138
10	900	0.095	845	945	899	1.15	866	4.143
11	1000	0.253	945	1103	998	1.54	2555	12.274
12	1200	0.076	1103	1315	1197	2.15	894	4.423
13	1500	0.065	1315	1795	1497	3.69	897	4.693
14	2000	0.048	1795	2412	2007	4.42	830	4.659
15	3000	0.040	2736	4618	3161	12.29	848	5.869
16	6000 (UM)	0.007	5478	6984	5996	2.54	4206	25.483
TIC:		0.9811	ng/uL					
TIM:		3.300	nmole/L					
Total Conc.:		0.9960	ng/uL					

Sample Peak Width (sec): 10 Sample Min Peak Height: 100 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 > 500 RFU Upper Marker Selection: Last Peak > 200 RFU
Ladder Size (bp): 35, 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: Ladder
Well Location: B12
Created: 04 July, 2014 15:37:11
Fit Type: Point to Point

Calibration Curve

