

## ***Fragment Analyzer Run Summary:***

**Filename and Data Path:** C:\AATI\Data\2020 10 05\15-40-27\2020 10 05 15H 40M.raw

**Created:** Monday, October 05, 2020 3:56:35 PM

**# of Capillaries:** 3

**Array Serial #:** 121817-06SFS

**Effect Length:** 33 cm

**Array Usage Count:** 764

**FA Version #:** 1.1.0.11

**Device Serial #:** 2745

### **METHOD INFORMATION**

**Method Name:** DNF-474-33 - HS NGS Fragment 1-6000bp.mthds

**Gel Prime:** No

**Full Conditioning:** Yes

**Gel Prime to Bufer:** 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.

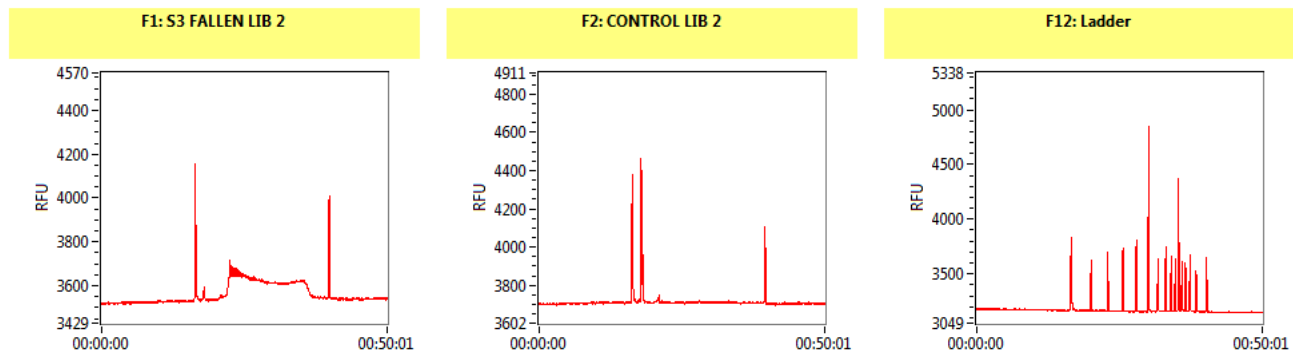
**Tray Name:** Tray-3

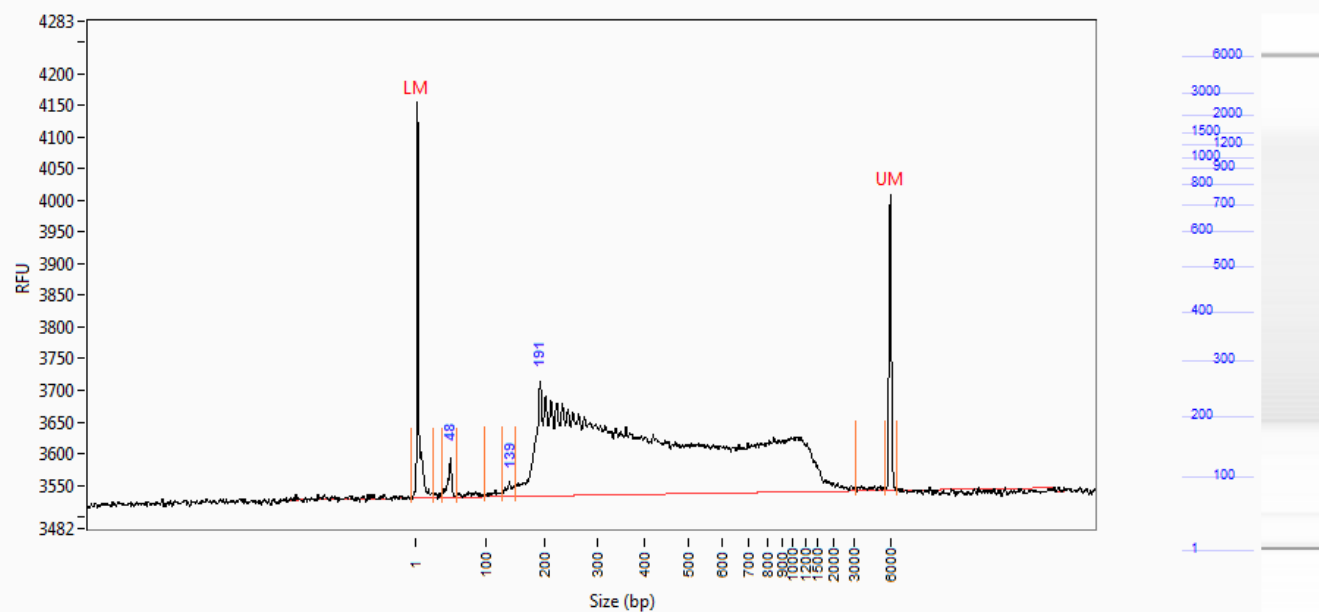
**Analysis Mode:** NGS

### **NOTE**



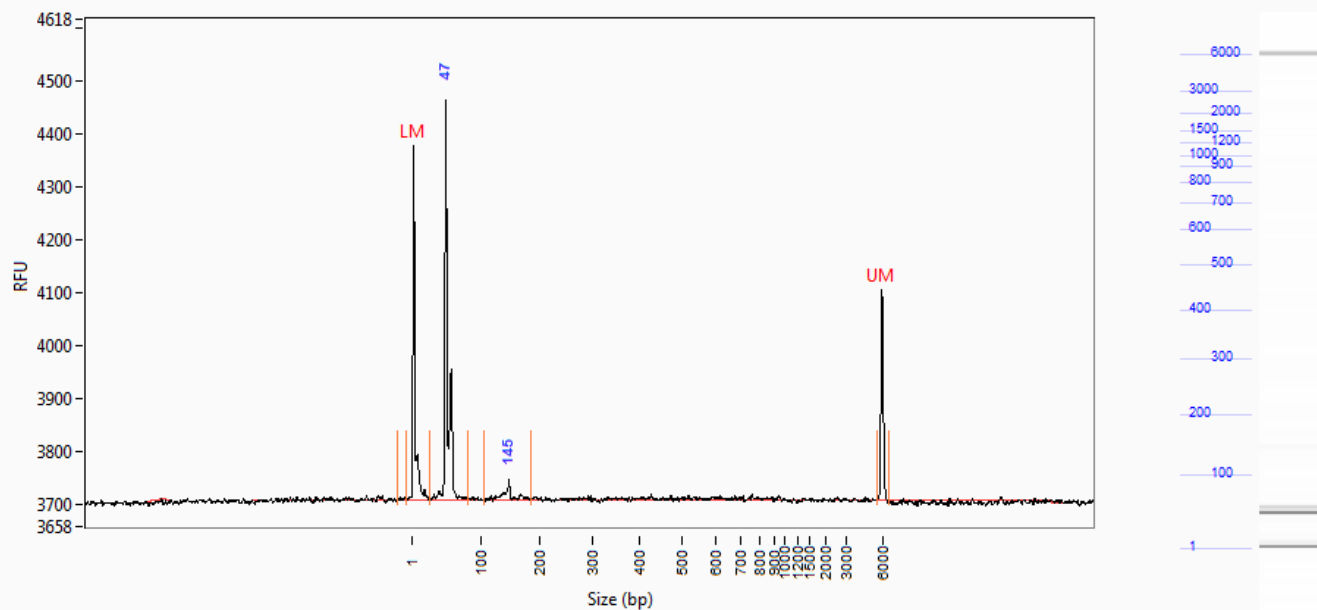
**Filename and Data Path:** C:\AATI\Data\2020 10 05\15-40-27\2020 10 05 15H 40M.raw



**Sample:** S3 FALLEN LIB 2**Well Location:** F1**Created:** Monday, October 05, 2020 3:56:35 PM

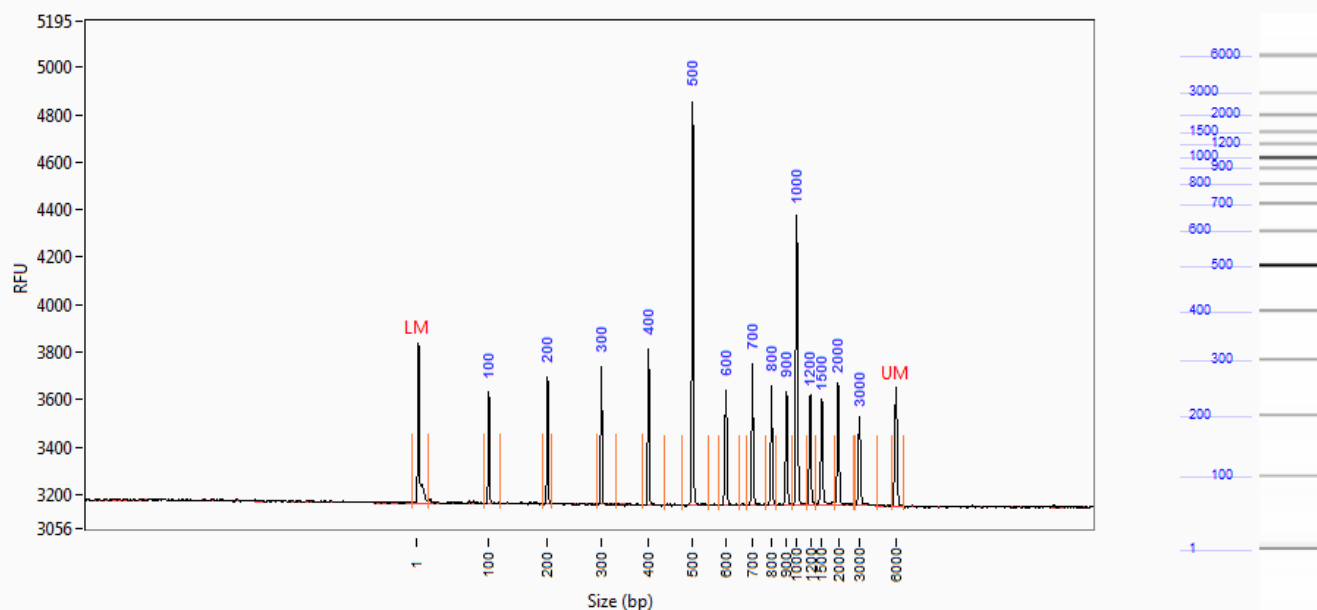
Peak	Size (bp)	Conc. (ng/uL)	Molarity (nmole/L)	Rel. Conc. %	Avg. Size (bp)	RFU	CV%	Corr. Peak Area
1	1 (LM)	0.0128	16.683		3	625	165.66	4.404
2	48	0.0251	0.858	1.5	46	61	7.76	0.723
3	139	0.0152	0.180	0.9	139	24	4.39	0.437
4	191	1.6562	14.264	97.6	508	181	66.85	47.610
5	6000 (UM)	0.0048	0.001		5981	466	1.60	1.645
TIC:		1.6965	ng/uL					
TIM:		15.303	nmole/L					
Total Conc.:		1.7013	ng/uL					

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:** CONTROL LIB 2**Well Location:** F2**Created:** Monday, October 05, 2020 3:56:35 PM

Peak	Size (bp)	Conc. (ng/uL)	Molarity (nmole/L)	Rel. Conc. %	Avg. Size (bp)	RFU	CV%	Corr. Peak Area
1	1 (LM)	0.0128	16.683		3	670	153.09	4.776
2	47	0.3808	13.132	94.1	31	756	74.41	11.872
3	145	0.0238	0.269	5.9	145	40	11.47	0.742
4	6000 (UM)	0.0037	0.001		5974	399	1.60	1.391
	TIC:	0.4046	ng/uL					
	TIM:	13.401	nmole/L					
	Total Conc.:	0.2942	ng/uL					

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:** Ladder**Well Location:** F12**Created:** Monday, October 05, 2020 3:56:35 PM

Peak	Size (bp)	Conc. (ng/uL)	Molarity (nmole/L)	Rel. Conc. %	Avg. Size (bp)	RFU	CV%	Corr. Peak Area
1	1 (LM)	0.0128	16.683		2	674	142.76	4.557
2	100	0.0635	1.043	6.5	100	469	2.31	1.889
3	200	0.0628	0.516	6.4	200	532	0.66	1.869
4	300	0.0626	0.343	6.4	299	577	0.51	1.863
5	400	0.0695	0.286	7.1	400	653	0.44	2.067
6	500	0.1715	0.564	17.4	499	1696	0.54	5.101
7	600	0.0604	0.166	6.1	598	485	0.68	1.798
8	700	0.0623	0.147	6.3	700	595	0.99	1.854
9	800	0.0512	0.105	5.2	799	502	0.62	1.523
10	900	0.0498	0.091	5.1	898	480	1.04	1.481
11	1000	0.1286	0.212	13.1	1000	1223	1.70	3.824
12	1200	0.0488	0.067	5.0	1195	464	1.83	1.453
13	1500	0.0541	0.059	5.5	1511	446	5.26	1.608
14	2000	0.0569	0.047	5.8	2017	518	5.70	1.692
15	3000	0.0425	0.023	4.3	3036	376	6.25	1.264
16	6000 (UM)	0.0046	0.001		5982	497	1.58	1.633
TIC:		0.9845	ng/uL					
TIM:		3.670	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 > 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:** Ladder**Well Location:** F12**Created:** Monday, October 05, 2020 3:56:35 PM**Fit Type:** Point to Point

Calibration Curve

