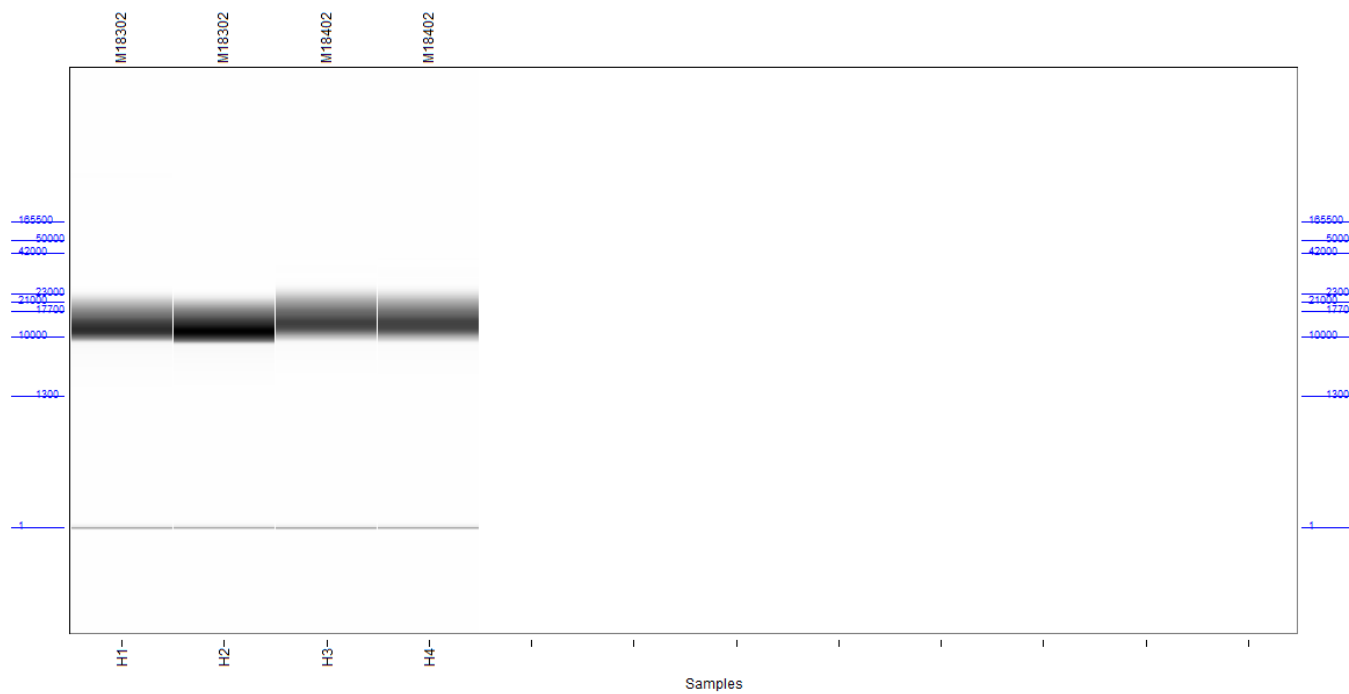


***FEMTO Pulse Run Summary:*****Filename and Data Path:** C:\AATI\Data\2024 04 23\12-54-32\2024 04 23 12H 54M.raw**Created:** 4/23/2024 1:11 PM**# of Capillaries:** 4**Array Serial #:** 040919-02USFP**Effect Length:** 22 cm**Array Usage Count:** 533**FEMTO Pulse Version #:** 1.0.0.32**Device Serial #:** F12143**METHOD INFORMATION****Method Name:** FP-1002-22 - gDNA 165Kb.mthds**Gel Prime:** No**Full Conditioning:** Yes**Gel Prime to Buffer:** No**Gel Selection:** Gel 1**Perform Prerun:** -5.0 kV, 60 sec.**Rinse:** No**Marker 1:** No**Rinse:** Tray: 3, Row: A, # Dips: 1**Sample Injection:** -5.0 kV, 30 sec.**Separation:** 70.0 min.**Tray Name:** Tray-2**Analysis Mode:** gDNA**NOTES**

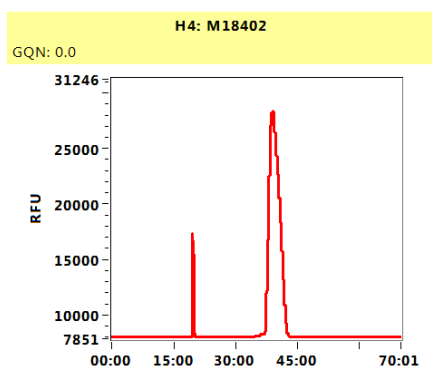
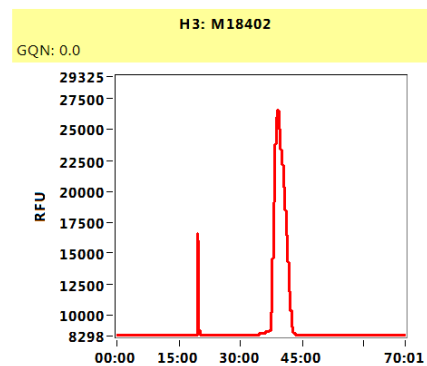
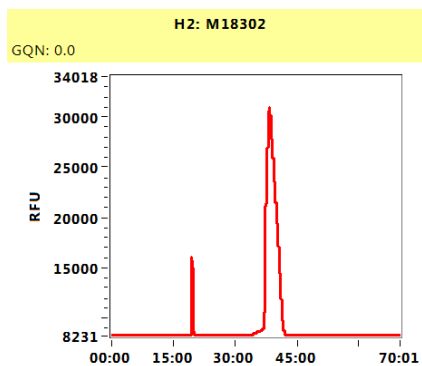
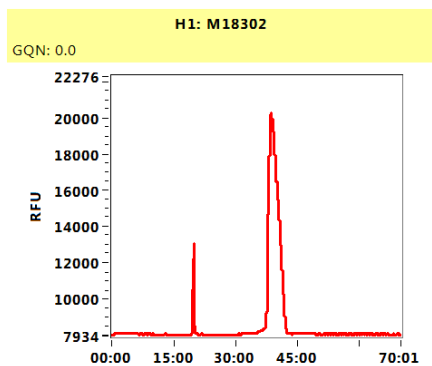
Time Shift: Using configured: slope=0.00025, intercept=0.0

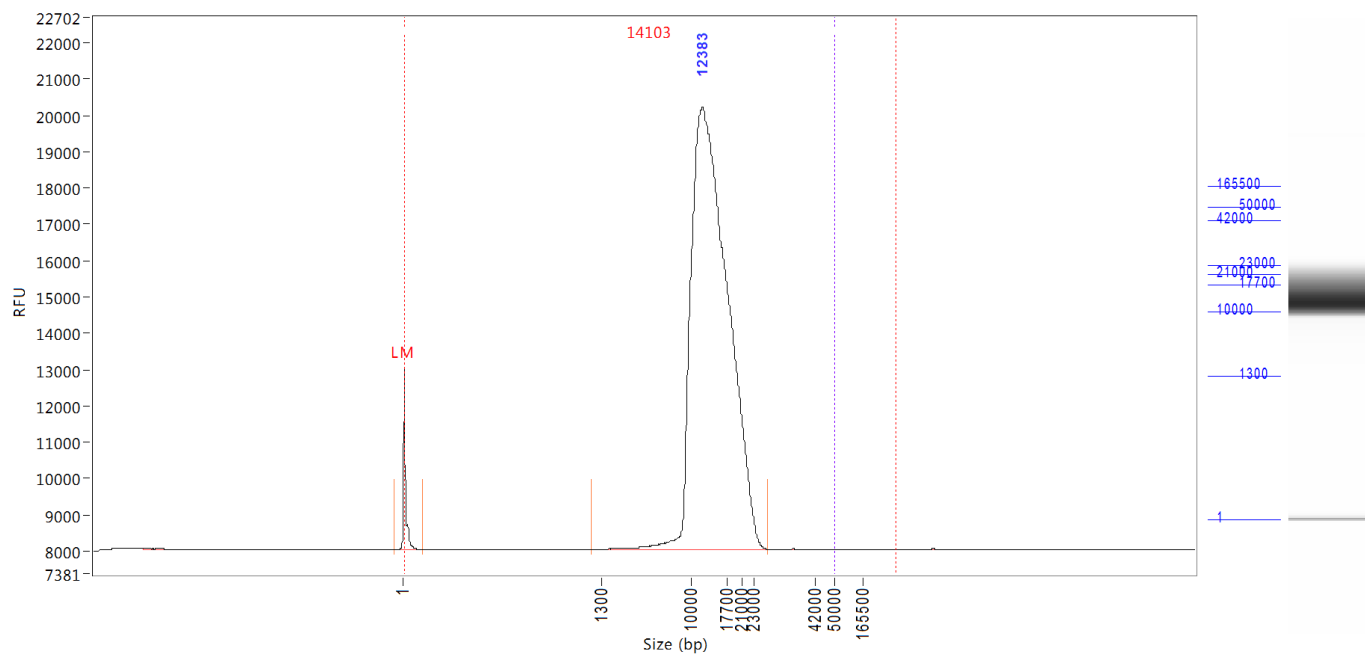
## Gel Image



## GQN Summary

Filename and Data Path: C:\AATI\Data\2024 04 23\12-54-32\2024 04 23 12H 54M.raw



**Sample:** M18302**Well Location:** H1**Created:** 4/23/2024 1:11 PM

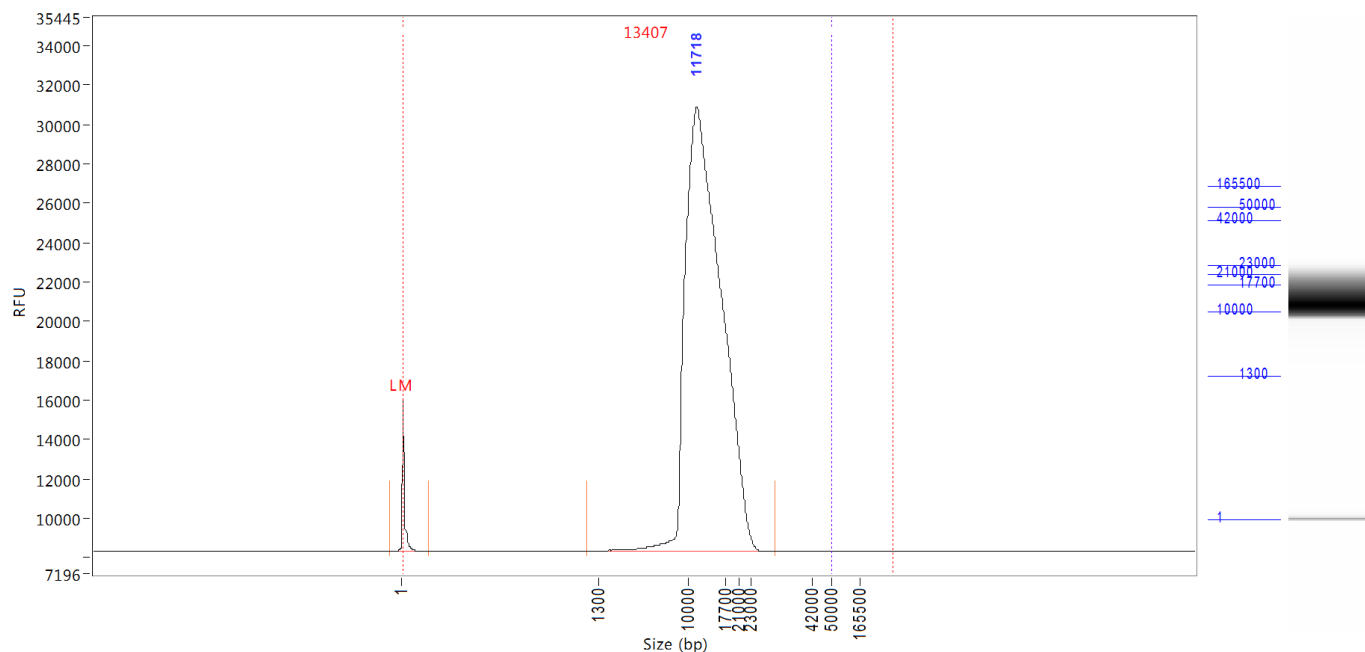
Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0.0026	0	128	5	296.26	5011	37.530
2	12383	0.5863	1231	27160	14312	24.80	12211	843.749

TIC: 0.5863 ng/uL  
TIM: 0.0674 nmole/L  
Total Conc.: 0.5903 ng/uL

GQN: 0.0  
Threshold: 50000

Smear Analysis      1 bp to 300000 bp      0.6061 ng/ul      102.7 %Total      0.0708 nmole/L      14103 Avg. Size (bp)      44.06 %CV

Sample Peak Width (sec): 20      Sample Min Peak Height: 50      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): 70  
Manual Baseline Start (min): 25      Manual Baseline End (min): 70  
Marker Peak Width (sec): 8      Marker Min Peak Height: 500      Marker Baseline V to V?: N      Marker Baseline V to V pts: 3  
Lower Marker Selection: First Peak > 500 RFU      Upper Marker Selection: Last Peak > 500 RFU  
Ladder Size (bp): 1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500  
Quantification Using: Ladder      Final Concentration (ng/uL): 0.0200      Dilution Factor: 10.0  
Min. RFU for Data Processing: 1      Size Threshold (b.p.): 50000

**Sample:** M18302**Well Location:** H2**Created:** 4/23/2024 1:11 PM

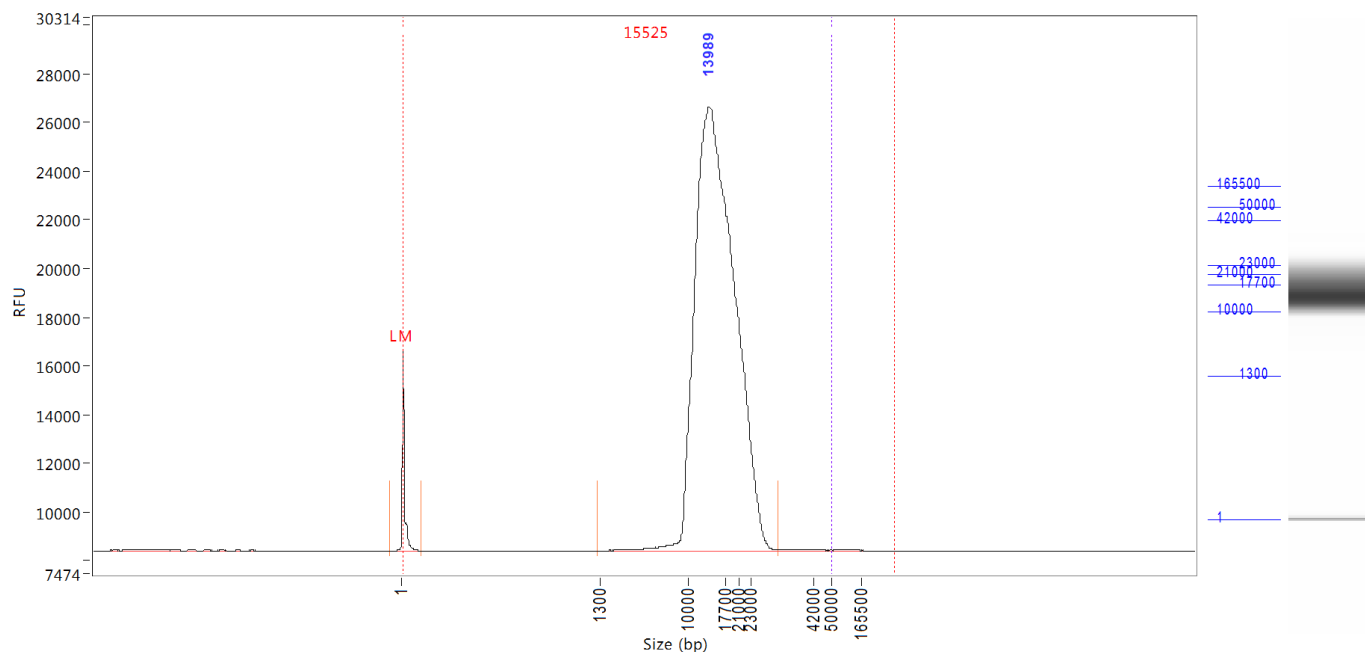
Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0.0026	0	178	7	285.24	7688	57.591
2	11718	0.6959	1221	30177	13672	25.11	22581	1536.559

TIC: 0.6959 ng/uL  
 TIM: 0.0838 nmole/L  
 Total Conc.: 0.6972 ng/uL

GQN: 0.0  
 Threshold: 50000

Smear Analysis      1 bp to 300000 bp      0.7155 ng/ul      102.6 %Total      0.0879 nmole/L      13407 Avg. Size (bp)      34.37 %CV

Sample Peak Width (sec): 20      Sample Min Peak Height: 50      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): 70  
 Manual Baseline Start (min): 25      Manual Baseline End (min): 70  
 Marker Peak Width (sec): 8      Marker Min Peak Height: 500      Marker Baseline V to V?: N      Marker Baseline V to V pts: 3  
 Lower Marker Selection: First Peak > 500 RFU      Upper Marker Selection: Last Peak > 500 RFU  
 Ladder Size (bp): 1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500  
 Quantification Using: Ladder      Final Concentration (ng/uL): 0.0200      Dilution Factor: 10.0  
 Min. RFU for Data Processing: 1      Size Threshold (b.p.): 50000

**Sample:** M18402**Well Location:** H3**Created:** 4/23/2024 1:11 PM

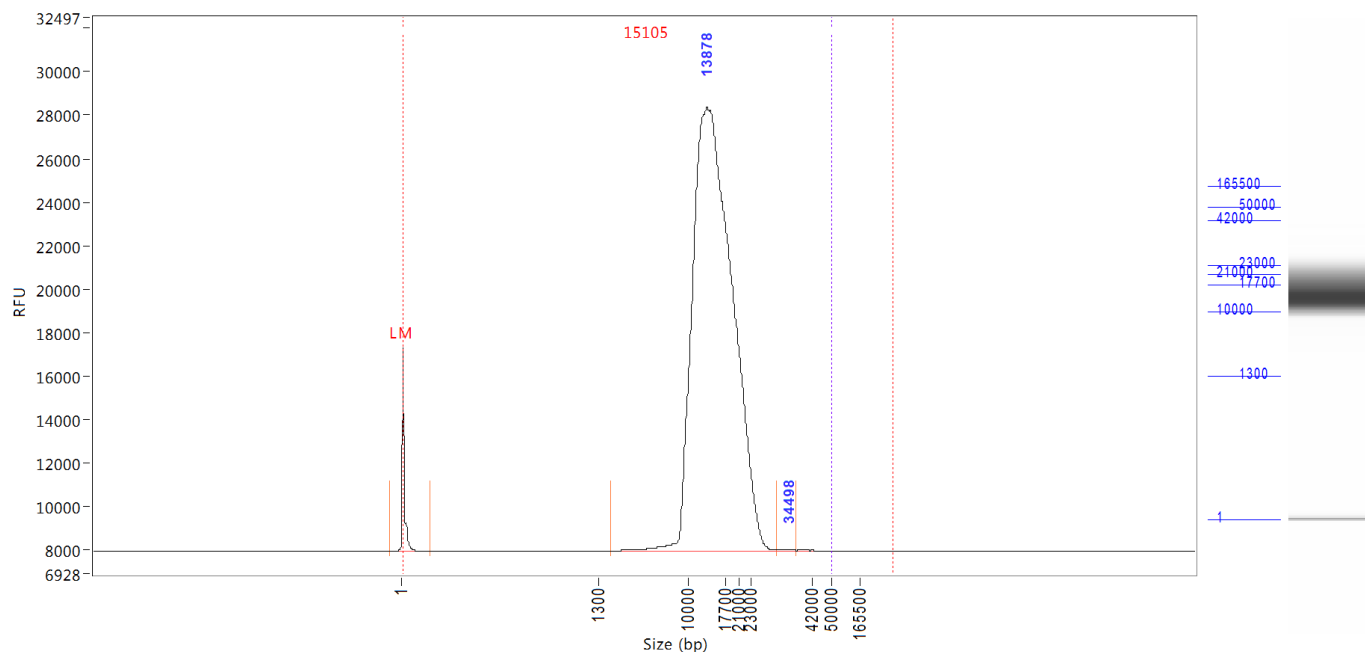
Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0.0026	0	128	5	340.79	8228	62.240
2	13989	0.5684	1281	31155	15753	24.12	18252	1356.331

TIC: 0.5684 ng/uL  
 TIM: 0.0594 nmole/L  
 Total Conc.: 0.5713 ng/uL

GQN: 0.0  
 Threshold: 50000

Smear Analysis      1 bp to 300000 bp      0.5869 ng/ul      102.7 %Total      0.0622 nmole/L      15525 Avg. Size (bp)      40.23 %CV

Sample Peak Width (sec): 20      Sample Min Peak Height: 50      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): 70  
 Manual Baseline Start (min): 25      Manual Baseline End (min): 70  
 Marker Peak Width (sec): 8      Marker Min Peak Height: 500      Marker Baseline V to V?: N      Marker Baseline V to V pts: 3  
 Lower Marker Selection: First Peak > 500 RFU      Upper Marker Selection: Last Peak > 500 RFU  
 Ladder Size (bp): 1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500  
 Quantification Using: Ladder      Final Concentration (ng/uL): 0.0200      Dilution Factor: 10.0  
 Min. RFU for Data Processing: 1      Size Threshold (b.p.): 50000

**Sample:** M18402**Well Location:** H4**Created:** 4/23/2024 1:11 PM

Peak	Size (bp)	Conc. (ng/uL)	From (bp)	To (bp)	Avg. Size (bp)	CV%	RFU	Corr. Peak Area
1	1 (LM)	0.0026	0	180	6	298.96	9361	69.095
2	13878	0.5758	2356	30666	15360	24.27	20447	1525.540
3	34498	0.0006	30666	37026	33809	5.22	67	1.542

TIC: 0.5764 ng/uL  
TIM: 0.0617 nmole/L  
Total Conc.: 0.5785 ng/uL

GQN: 0.0  
Threshold: 50000

Smear Analysis      1 bp to 300000 bp      0.5960 ng/ul      103.0 %Total      0.0650 nmole/L      15105 Avg. Size (bp)      39.16 %CV

Sample Peak Width (sec): 20      Sample Min Peak Height: 50      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): 70  
Manual Baseline Start (min): 25      Manual Baseline End (min): 70  
Marker Peak Width (sec): 8      Marker Min Peak Height: 500      Marker Baseline V to V?: N      Marker Baseline V to V pts: 3  
Lower Marker Selection: First Peak > 500 RFU      Upper Marker Selection: Last Peak > 500 RFU  
Ladder Size (bp): 1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500  
Quantification Using: Ladder      Final Concentration (ng/uL): 0.0200      Dilution Factor: 10.0  
Min. RFU for Data Processing: 1      Size Threshold (b.p.): 50000



**Sample:** ladder**Well Location:** H12**Created:** 4/23/2024 1:11 PM**Fit Type:** Point to Point

Calibration Curve

