Instrument controller software run summary:

Filename and data path: C:\Agilent Technologies\Data\2022 09 29\12-24-47\2022 09 29 12H 24M.raw
Created: Thursday, September 29, 2022 12:40:21 PM
Number of capillaries: 2
Array serial number: 030918-02USFS
Effect length: 22 cm
Array usage count: 1577
Instrument type: 5300 Fragment Analyzer
Instrument controller software version: 3.1.0.12
Device serial number: 2551

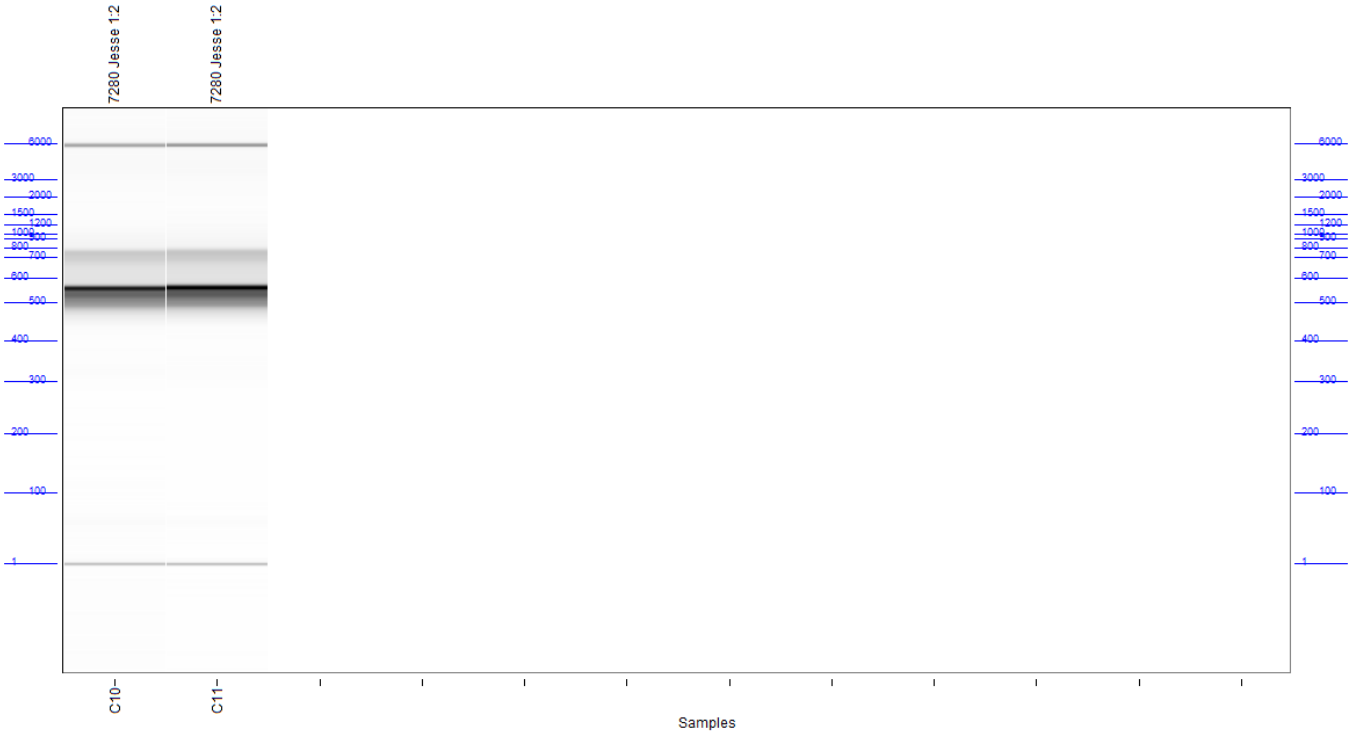
Method Information

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: Marker, Row: A, Dip count: 1
Sample injection: 4.5 kV, 30 sec.
Separation: 7.0 kV, 25.0 min.
Tray name: Tray-1

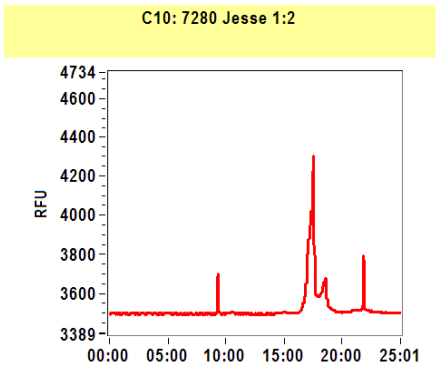
Analysis mode: NGS

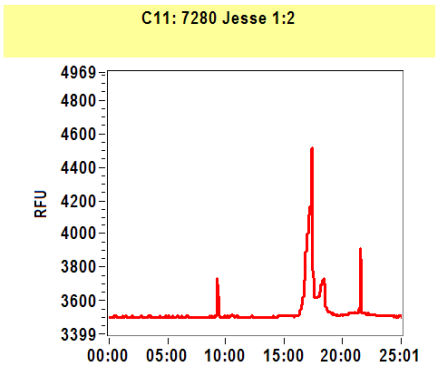
Notes

Gel Image

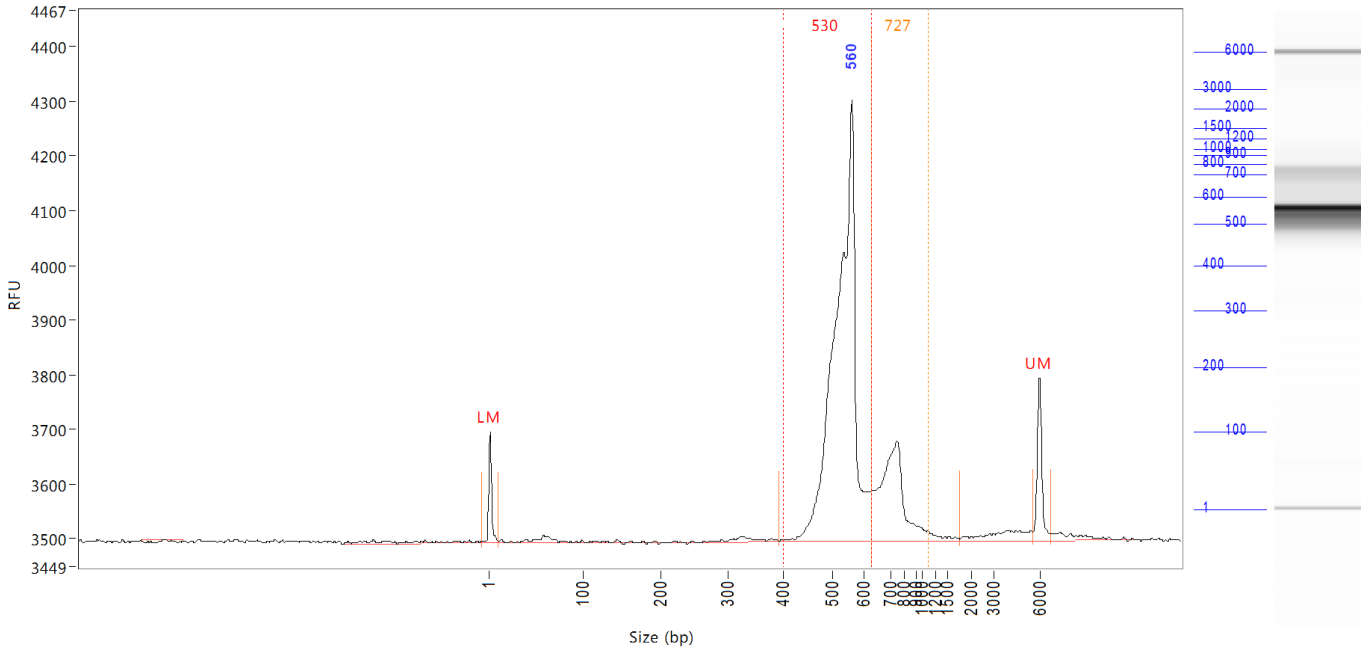

7280 Jesse 1:2
7280 Jesse 1:2
6000
3000
2000
1500
1200
1000
800
700
600
500
400
300
200
100
1
C10
C11
Samples

Filename and data path: C:\Agilent Technologies\Data\2022 09 29\12-24-47\2022 09 29 12H 24M.raw





Sample: 7280 Jesse 1:2
Well location: C10
Created: Thursday, September 29, 2022 12:40:21 PM



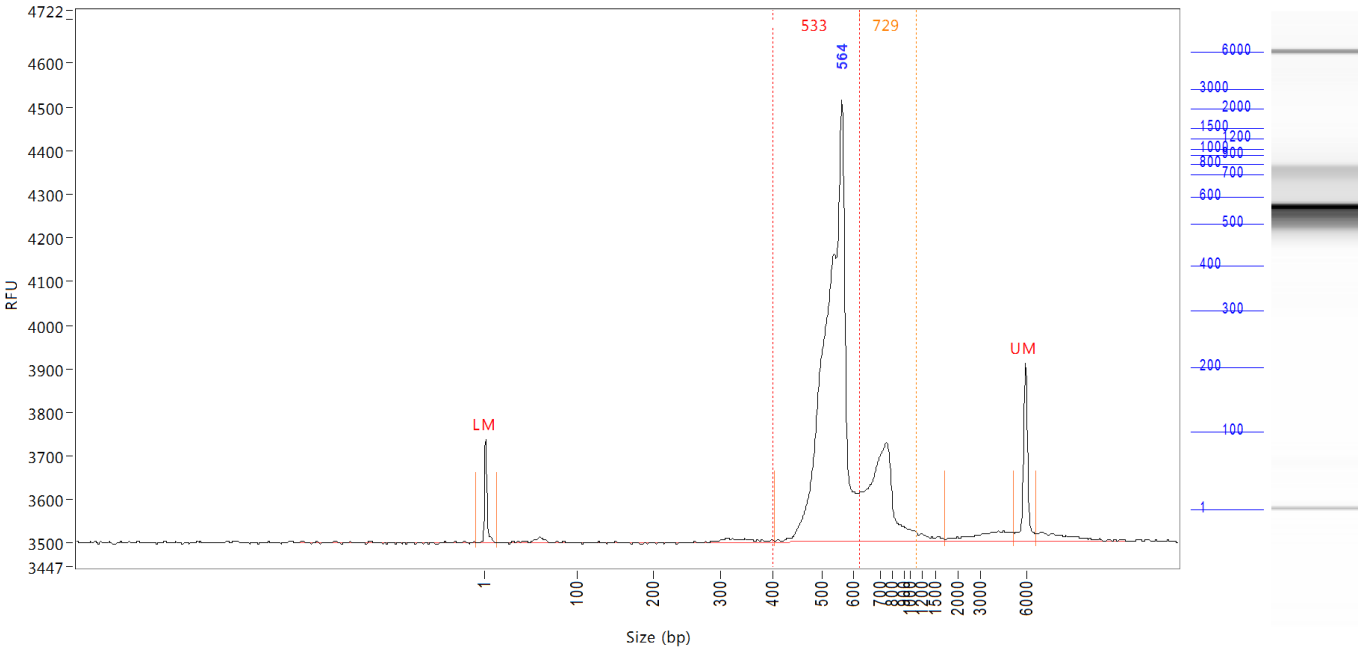
Peak	Size (bp)	Concentration (ng/uL)	From (bp)	To (bp)	Average size (bp)	CV%	RFU	Corrected peak area
1	1 (LM)	0.0062	0	10	1	365.85	204	1.677
2	560	1.3054	393	1766	578	21.39	809	29.589
3	6000 (UM)	0.0062	5578	6696	5965	3.13	297	1.688

TIC:	1.3054	ng/uL
TIM:	3.7167	nmole/L
Total concentration:	1.4097	ng/uL

Smear Analysis	400 bp to 625 bp	1.0259 ng/ul	72.8 %Total	3.1833 nmole/L	530 Avg. Size (bp)	6.95 %CV
	625 bp to 1100 bp	0.2704 ng/ul	19.2 %Total	0.6123 nmole/L	727 Avg. Size (bp)	12.07 %CV

```
Sample peak width (sec): 50   Sample min peak height: 25    Sample baseline V to V?: Y    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 3  Sample start region (min): 0  Sample end region (min): 25
Manual baseline start (min): 6     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 points: 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: 7280 Jesse 1:2
Well location: C11
Created: Thursday, September 29, 2022 12:40:21 PM



Peak	Size (bp)	Concentration (ng/uL)	From (bp)	To (bp)	Average size (bp)	CV%	RFU	Corrected peak area
1	1 (LM)	0.0062	0	13	0	414.43	237	1.916
2	564	1.4067	402	1719	581	21.18	1014	36.417
3	6000 (UM)	0.0072	5203	6696	5946	3.88	407	2.229

TIC:	1.4067	ng/uL
TIM:	3.9843	nmole/L
Total concentration:	1.4845	ng/uL

Smear Analysis						
400 bp to 625 bp	1.1021 ng/ul	74.2 %Total	3.4017 nmole/L	533 Avg. Size (bp)	6.81 %CV
625 bp to 1100 bp	0.2943 ng/ul	19.8 %Total	0.6647 nmole/L	729 Avg. Size (bp)	11.98 %CV

```
Sample peak width (sec): 50   Sample min peak height: 25    Sample baseline V to V?: Y    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points 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 points: 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: NGS Ladder
Well location: C12
Created: Thursday, September 29, 2022 12:40:21 PM
Fit type: Point to point