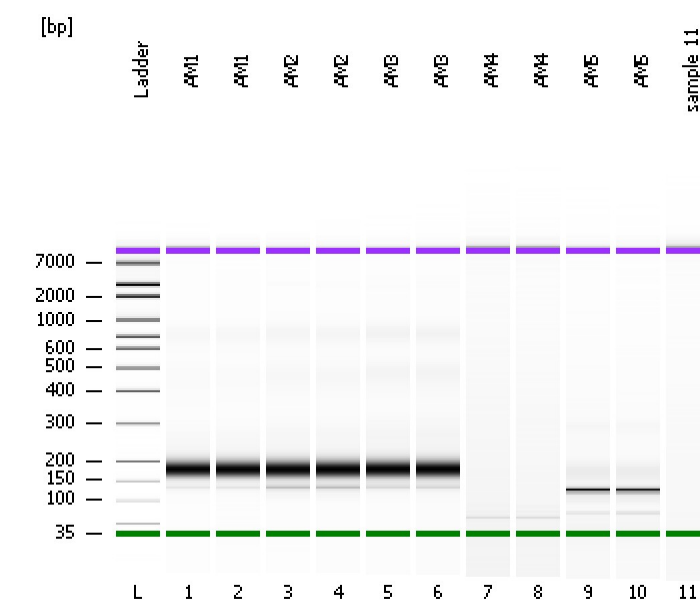


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE72901048\_2023-03-08\_15-31-14.xad

Created: 3/8/2023 3:31:14 PM  
Modified: 3/9/2023 10:08:53 AM

### Electrophoresis File Run Summary



#### Instrument Information:

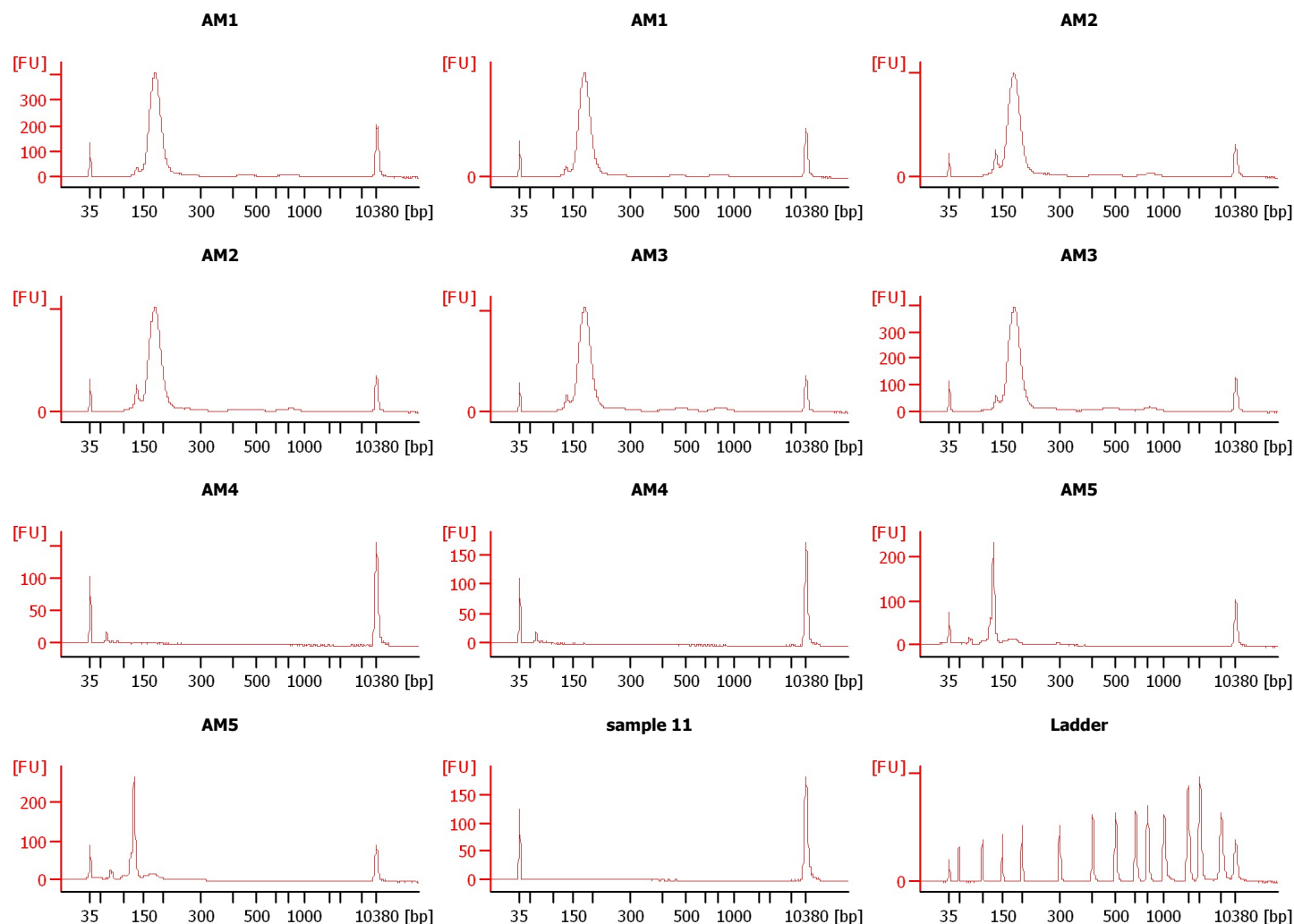
Instrument Name: DE72901048 Firmware: C.01.069  
Serial#: DE72901048 Type: G2939A

#### Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy  
Assay Class: High Sensitivity DNA Assay  
Version: 1.0  
Assay Comments: Copyright © 2003-2009 Agilent Technologies

#### Chip Information:

Chip Lot #:  
Reagent Kit Lot #:  
Chip Comments:



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE72901048\_2023-03-08\_15-31-14.xad

Created: 3/8/2023 3:31:14 PM  
Modified: 3/9/2023 10:08:53 AM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
AM1		<input type="checkbox"/>	✓			
AM1		<input type="checkbox"/>	✓			
AM2		<input type="checkbox"/>	✓			
AM2		<input type="checkbox"/>	✓			
AM3		<input type="checkbox"/>	✓			
AM3		<input type="checkbox"/>	✓			
AM4		<input type="checkbox"/>	✓			
AM4		<input type="checkbox"/>	✓			
AM5		<input type="checkbox"/>	✓			
AM5		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			

**Chip Lot #****Reagent Kit Lot #****Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE72901048\_2023-03-08\_15-31-14.xad

Created: 3/8/2023 3:31:14 PM  
Modified: 3/9/2023 10:08:53 AM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 32  
Maximum Visible Range [s] : 138  
Start Analysis Time Range [s] : 33  
End Analysis Time Range [s] : 137.5  
Ladder Concentration [pg/μl] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/μl] : 125  
Upper Marker Concentration [pg/μl] : 75  
Used Upper Marker for Quantitation  
Standard Curve Fit is Point to Point  
Show Data Aligned to Lower and Upper Marker

### Integrator Settings

Integration Start Time [s] : 33.05  
Integration End Time [s] : 137  
Slope Threshold : 0.8  
Height Threshold [FU] : 5  
Area Threshold : 0.1  
Width Threshold [s] : 0.6  
Baseline Plateau [s] : 0.5

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

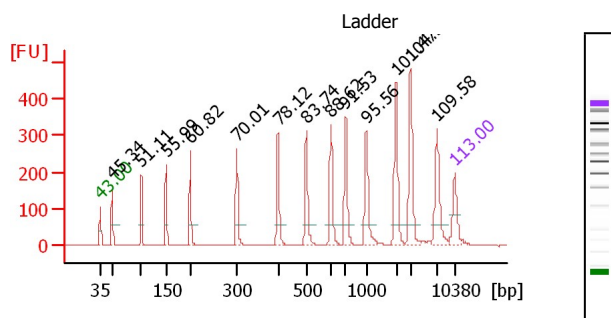
### Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901048\_2023-03-08\_15-31-14.xad

Created: 3/8/2023 3:31:14 PM  
 Modified: 3/9/2023 10:08:53 AM

### Electropherogram Summary



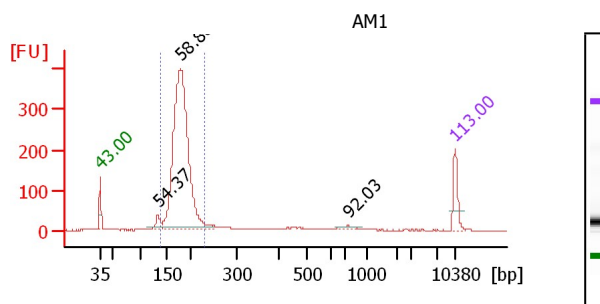
#### Overall Results for Ladder

Noise: 0.3

#### Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 1 : AM1

Number of peaks found: 3  
 Noise: 0.3  
 Corr. Area 1: 2,483.9

#### Region table for sample 1 : AM1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
140	233	2,483.9	85	181	8.5	1,848.24	15,531.3	Blue

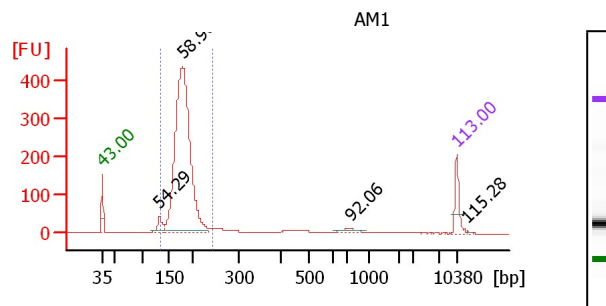
Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901048\_2023-03-08\_15-31-14.xad

Created: 3/8/2023 3:31:14 PM  
 Modified: 3/9/2023 10:08:53 AM

### Electropherogram Summary Continued ...

#### Peak table for sample 1 : AM1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	133	64.56	733.1	
3	180	1,849.59	15,572.5	
4	738	18.93	38.9	
5	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 2 : AM1

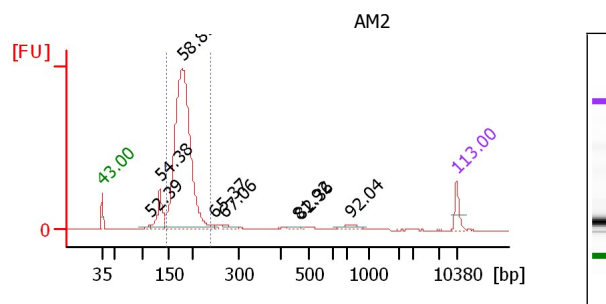
Number of peaks found: 4  
 Noise: 0.3  
 Corr. Area 1: 2,743.1

#### Region table for sample 2 : AM1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
136	242	2,743.1	87	181	9.1	2,130.84	17,945.2	Blue

#### Peak table for sample 2 : AM1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	133	76.14	869.7	
3	180	2,067.08	17,384.2	
4	740	22.25	45.6	
5	10,380	75.00	10.9	Upper Marker
6	12,630	0.00	0.0	



#### Overall Results for sample 3 : AM2

Number of peaks found: 8  
 Noise: 0.3  
 Corr. Area 1: 3,195.7

#### Region table for sample 3 : AM2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
146	240	3,195.7	79	182	8.9	3,149.46	26,427.4	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901048\_2023-03-08\_15-31-14.xad

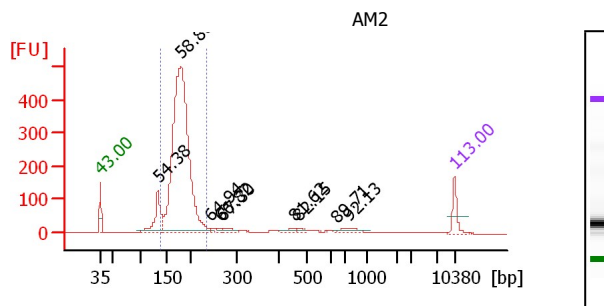
Created: 3/8/2023 3:31:14 PM  
 Modified: 3/9/2023 10:08:53 AM

### Electropherogram Summary Continued ...

#### Peak table for sample 3 :

AM2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	113	26.83	359.4	
3	133	290.56	3,298.2	
4	179	3,128.69	26,419.2	
5	249	11.45	69.5	
6	268	34.86	197.1	
7	468	15.48	50.2	
8	475	5.11	16.3	
9	738	40.64	83.4	
10	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 4 :

AM2

Number of peaks found: 9  
 Noise: 0.4  
 Corr. Area 1: 3,295.0

#### Region table for sample 4 :

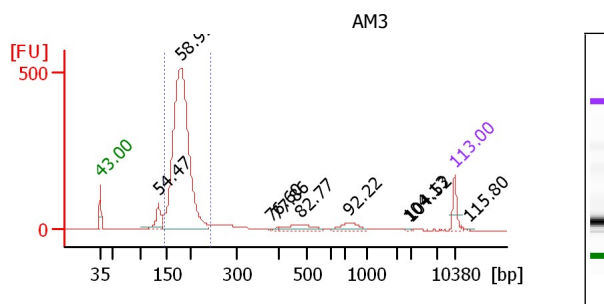
AM2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
140	234	3,295.0	81	181	9.0	2,902.52	24,490.4	Blue

#### Peak table for sample 4 :

AM2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	133	294.79	3,345.8	
3	180	2,848.11	24,007.0	
4	245	9.62	59.5	
5	265	13.26	75.8	
6	271	27.59	154.5	
7	462	19.02	62.4	
8	472	12.31	39.6	
9	638	2.44	5.8	
10	745	35.63	72.5	
11	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 5 :

AM3

Number of peaks found: 9  
 Noise: 0.4  
 Corr. Area 1: 3,306.6

#### Region table for sample 5 :

AM3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
147	244	3,306.6	80	183	9.0	2,960.90	24,720.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901048\_2023-03-08\_15-31-14.xad

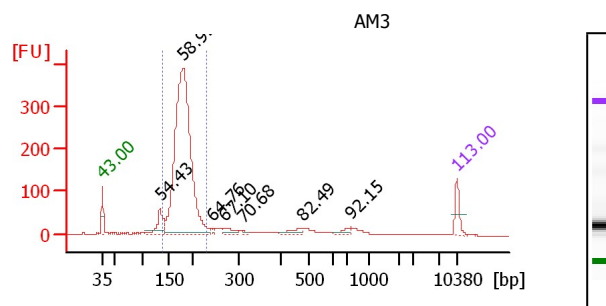
Created: 3/8/2023 3:31:14 PM  
 Modified: 3/9/2023 10:08:53 AM

### Electropherogram Summary Continued ...

#### Peak table for sample 5 :

AM3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	134	194.56	2,192.1	
3	180	2,961.68	24,895.2	
4	381	3.41	13.6	
5	397	6.88	26.3	
6	483	95.47	299.6	
7	752	72.34	145.8	
8	2,931	2.75	1.4	
9	3,144	1.57	0.8	
10	10,380	75.00	10.9	Upper Marker
11	13,141	0.00	0.0	



#### Overall Results for sample 6 :

AM3

Number of peaks found: 7  
 Noise: 0.5  
 Corr. Area 1: 2,541.4

#### Region table for sample 6 :

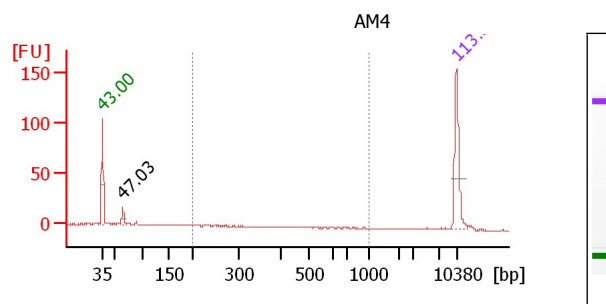
AM3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
139	232	2,541.4	81	181	9.0	2,906.48	24,510.7	Blue

#### Peak table for sample 6 :

AM3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	134	177.91	2,011.6	
3	180	2,850.83	23,945.4	
4	243	14.55	90.8	
5	268	52.57	296.8	
6	308	10.00	49.2	
7	478	44.24	140.3	
8	747	30.59	62.1	
9	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 7 :

AM4

Number of peaks found: 1  
 Noise: 0.4  
 Corr. Area 1: 9.4

#### Region table for sample 7 :

AM4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	9.4	14	381	44.2	7.80	37.9	Blue

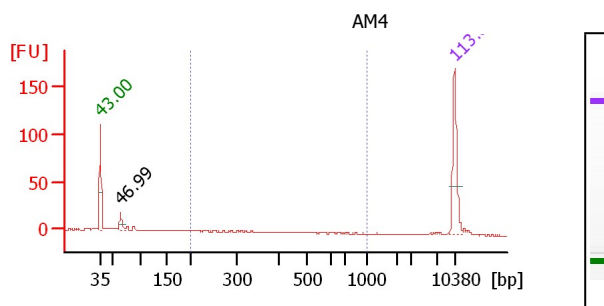
Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901048\_2023-03-08\_15-31-14.xad

Created: 3/8/2023 3:31:14 PM  
 Modified: 3/9/2023 10:08:53 AM

### Electropherogram Summary Continued ...

#### Peak table for sample 7 : AM4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	65	21.46	503.0	
3	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 8 : AM4

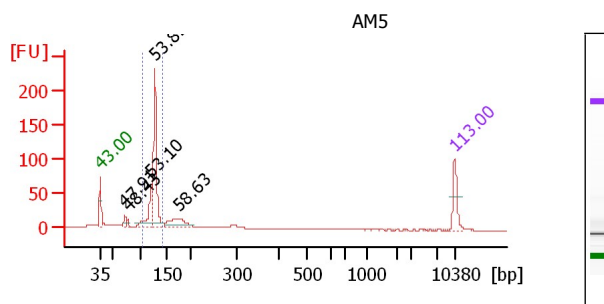
Number of peaks found: 1  
 Noise: 0.5  
 Corr. Area 1: 6.6

#### Region table for sample 8 : AM4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	6.6	9	366	41.2	5.27	25.5	Blue

#### Peak table for sample 8 : AM4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	64	24.53	578.2	
3	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 9 : AM5

Number of peaks found: 5  
 Noise: 0.4  
 Corr. Area 1: 407.0

#### Region table for sample 9 : AM5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
103	144	407.0	61	126	5.2	684.82	8,251.6	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901048\_2023-03-08\_15-31-14.xad

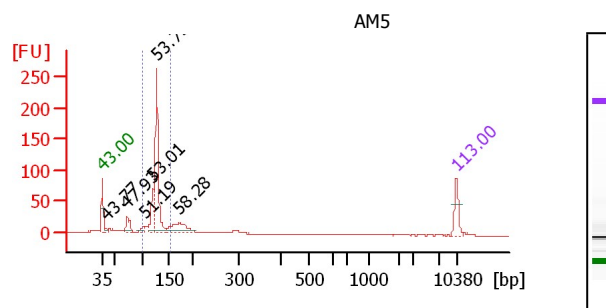
Created: 3/8/2023 3:31:14 PM  
 Modified: 3/9/2023 10:08:53 AM

### Electropherogram Summary Continued ...

#### Peak table for sample 9 :

AM5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	72	35.52	745.0	
3	77	17.94	354.1	
4	120	173.64	2,184.8	
5	128	531.93	6,309.1	
6	177	136.61	1,167.0	
7	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 10 : AM5

Number of peaks found: 6  
 Noise: 0.4  
 Corr. Area 1: 484.3

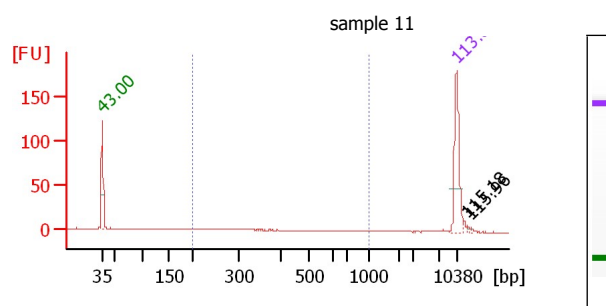
#### Region table for sample 10 : AM5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
98	155	484.3	66	126	7.0	950.94	11,489.8	Blue

#### Peak table for sample 10 :

AM5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	16.20	615.1	
3	72	98.43	2,058.2	
4	101	36.45	547.7	
5	120	170.22	2,158.1	
6	127	696.18	8,313.7	
7	174	184.89	1,612.0	
8	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 11 : sample 11

Number of peaks found: 2  
 Noise: 0.3  
 Corr. Area 1: 10.8

#### Region table for sample 11 : sample 11

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	10.8	24	315	39.2	7.33	39.8	Blue

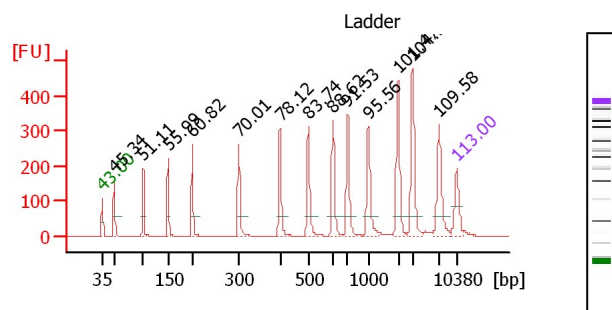
Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901048\_2023-03-08\_15-31-14.xad

Created: 3/8/2023 3:31:14 PM  
 Modified: 3/9/2023 10:08:53 AM

### Electropherogram Summary Continued ...

#### Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	12,533	0.00	0.0	
4	13,298	0.00	0.0	



#### Overall Results for Ladder

Noise: 0.3

#### Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE72901048\_2023-03-08\_15-31-14.xad

Created: 3/8/2023 3:31:14 PM  
Modified: 3/9/2023 10:08:53 AM

**Gel Image**