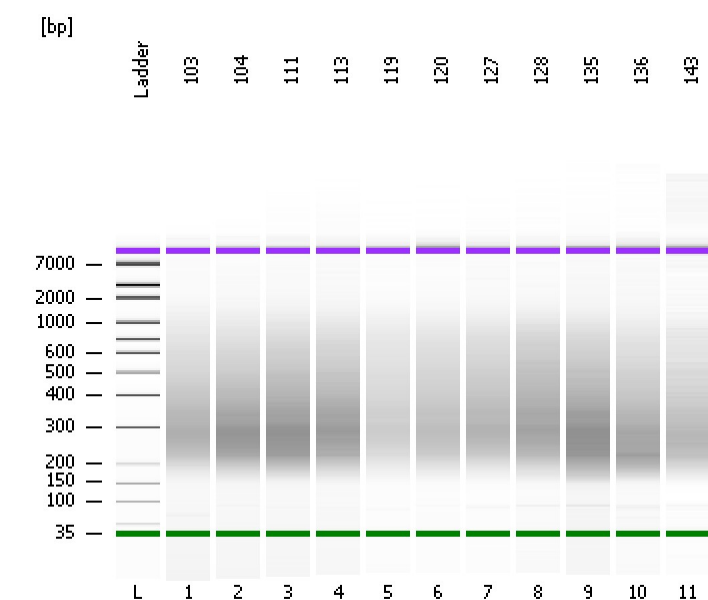


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Electrophoresis File Run Summary



Instrument Information:

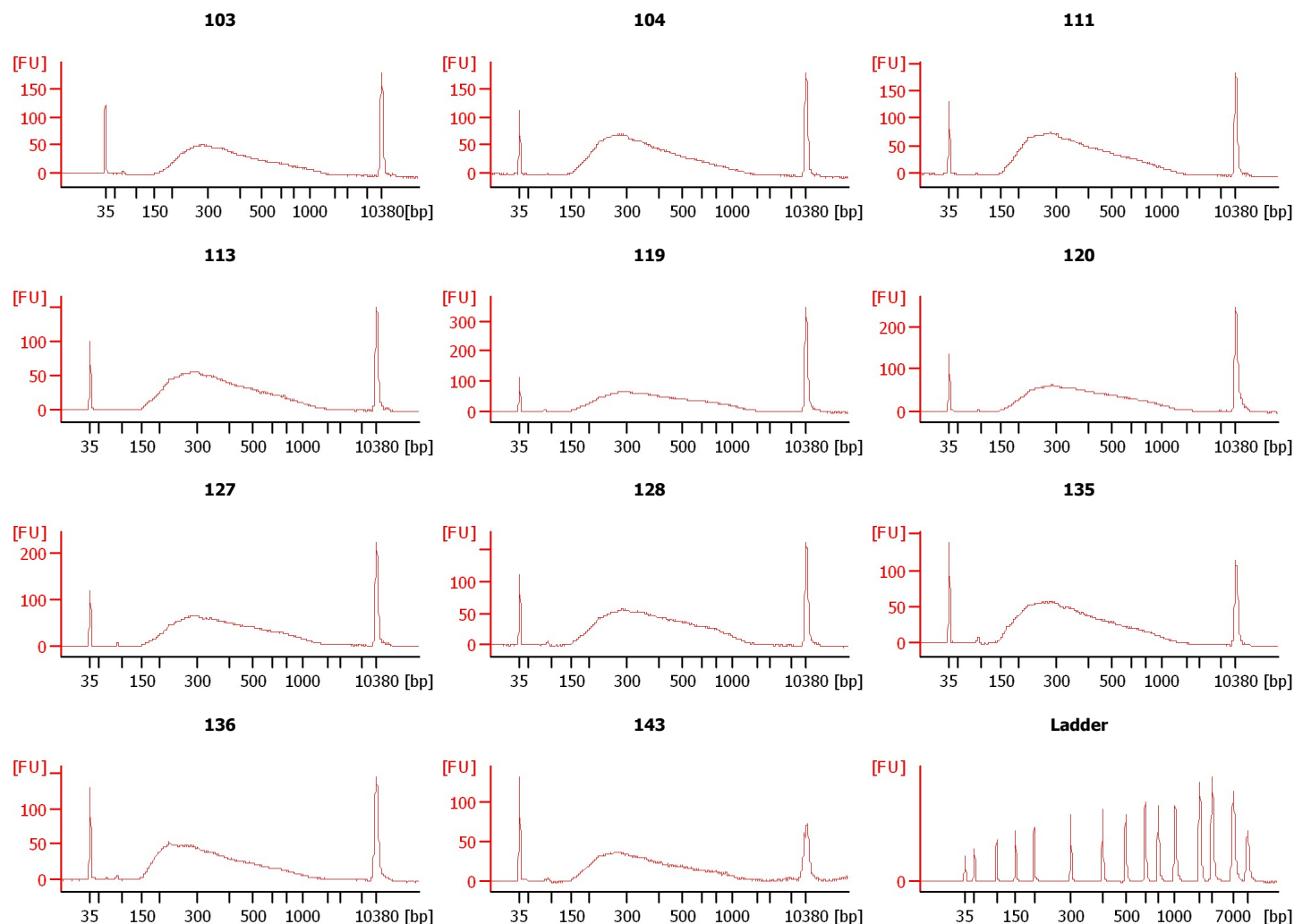
Instrument Name: DE72902486 Firmware: C.01.069
Serial#: DE72902486 Type: G2939A

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_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Stat us	Observation	Result Label	Result Color
103		<input type="checkbox"/>	✓			
104		<input type="checkbox"/>	✓			
111		<input type="checkbox"/>	✓			
113		<input type="checkbox"/>	✓			
119		<input type="checkbox"/>	✓			
120		<input type="checkbox"/>	✓			
127		<input type="checkbox"/>	✓			
128		<input type="checkbox"/>	✓			
135		<input type="checkbox"/>	✓			
136		<input type="checkbox"/>	✓			
143		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

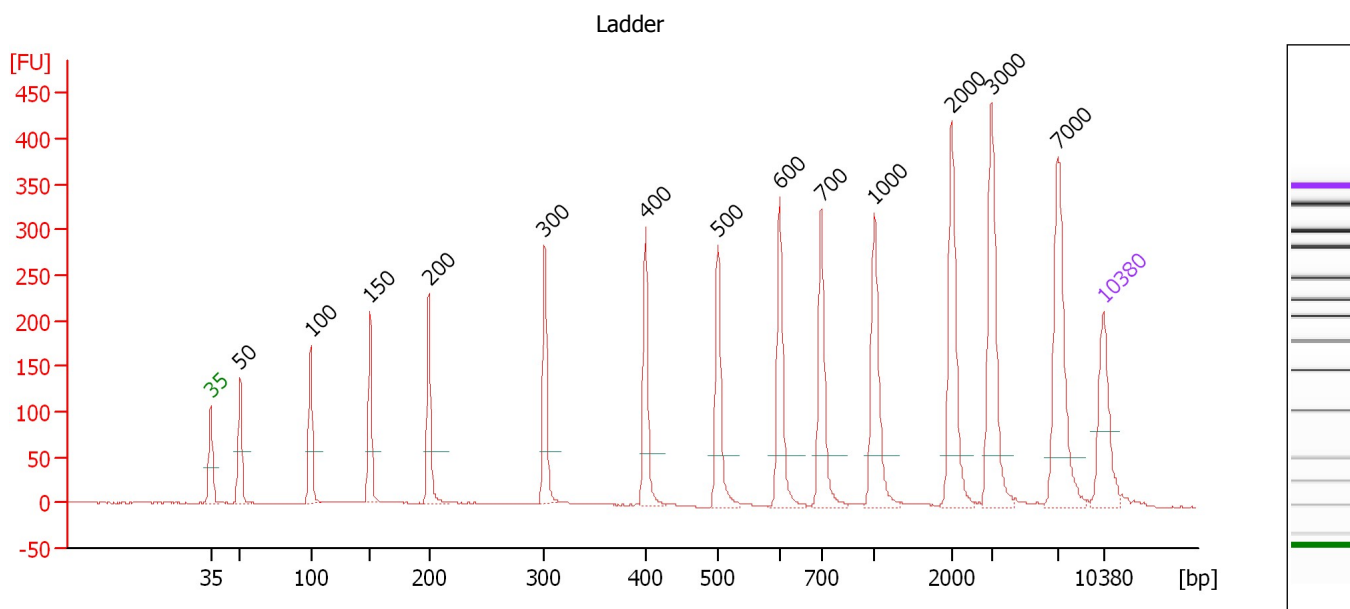
Ladder

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_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary



Setpoint Deviations for sample 12 : Ladder

Height Threshold [FU] : 20 Baseline Plateau [s] : 0.3
 Area Threshold : 0

Overall Results for Ladder

Noise: 0.2

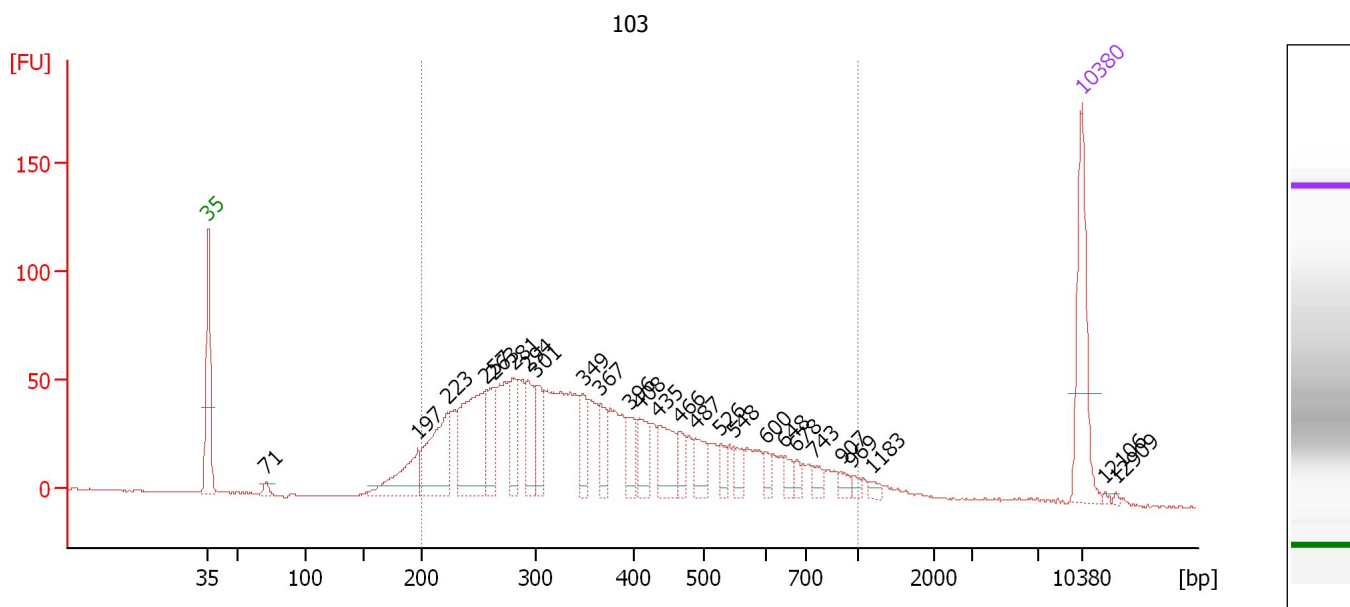
Peak table for Ladder

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
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_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 103

Number of peaks found: 26 Corr. Area 1: 1,679.0
 Noise: 0.4

Peak table for sample 1 : 103

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	71	7.83	167.3	
3	197	67.47	520.1	
4	223	108.05	734.6	
5	257	145.87	860.8	
6	263	52.30	301.5	
7	281	48.06	258.9	
8	294	50.64	261.1	
9	301	45.31	228.0	
10	349	32.86	142.8	
11	367	32.14	132.9	
12	396	27.85	106.7	
13	408	35.54	131.9	
14	435	48.97	170.5	
15	466	20.00	65.0	
16	487	27.78	86.4	
17	526	13.41	38.6	
18	548	17.25	47.7	
19	600	10.41	26.3	
20	648	10.76	25.2	
21	678	7.87	17.6	
22	743	9.88	20.2	
23	907	7.78	13.0	
24	969	5.08	7.9	
25	1,183	5.14	6.6	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...**... Peak table for sample 1 : 103**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	12,106	0.00	0.0	
28	12,909	0.00	0.0	

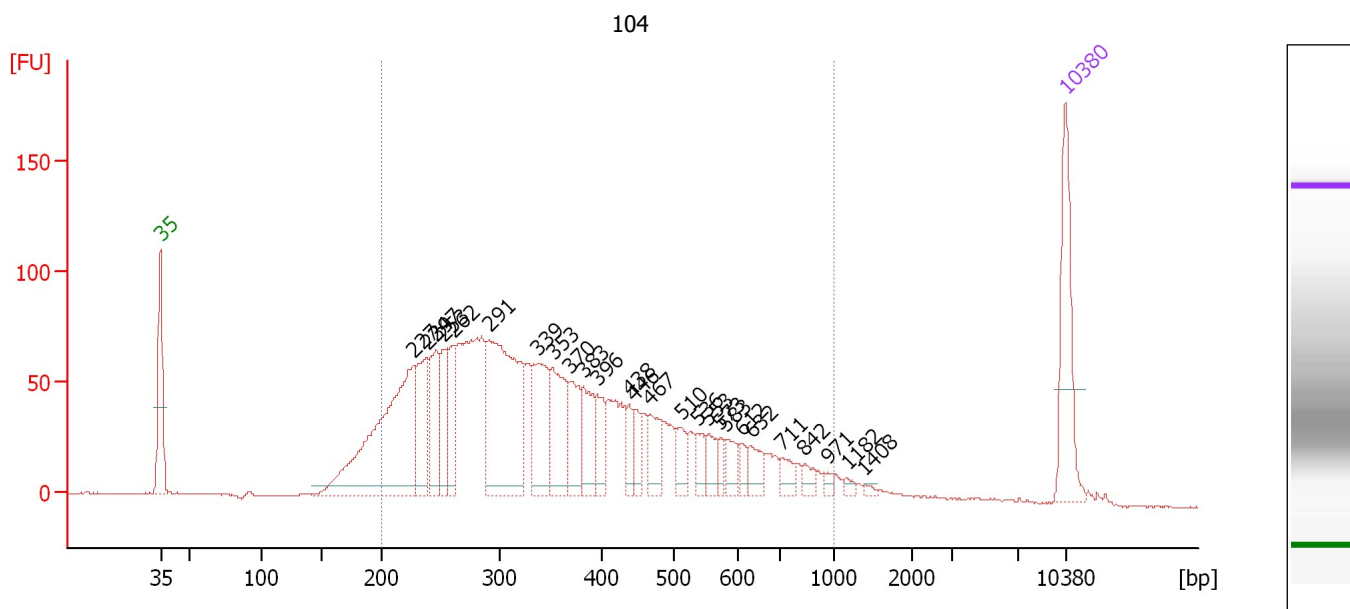
Region table for sample 1 : 103

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	1,679.0	92	392	39.8	1,300.25	6,004.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 104

Number of peaks found: 26 Corr. Area 1: 2,196.9
 Noise: 0.3

Peak table for sample 2 : 104

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	227	301.72	2,011.0	
3	239	80.63	512.1	
4	247	71.81	440.8	
5	253	52.25	312.6	
6	262	60.56	350.9	
7	291	242.25	1,260.1	
8	339	93.31	417.4	
9	353	80.94	347.6	
10	370	53.44	219.1	
11	383	54.23	214.5	
12	396	30.74	117.7	
13	438	23.28	80.5	
14	446	20.62	70.1	
15	467	34.48	111.9	
16	510	24.49	72.7	
17	536	17.72	50.1	
18	553	19.58	53.6	
19	573	11.81	31.2	
20	583	19.62	51.0	
21	612	11.00	27.2	
22	632	19.93	47.7	
23	711	14.50	30.9	
24	842	10.20	18.4	
25	971	4.72	7.4	
26	1,182	4.24	5.4	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...**... Peak table for sample 2 : 104**

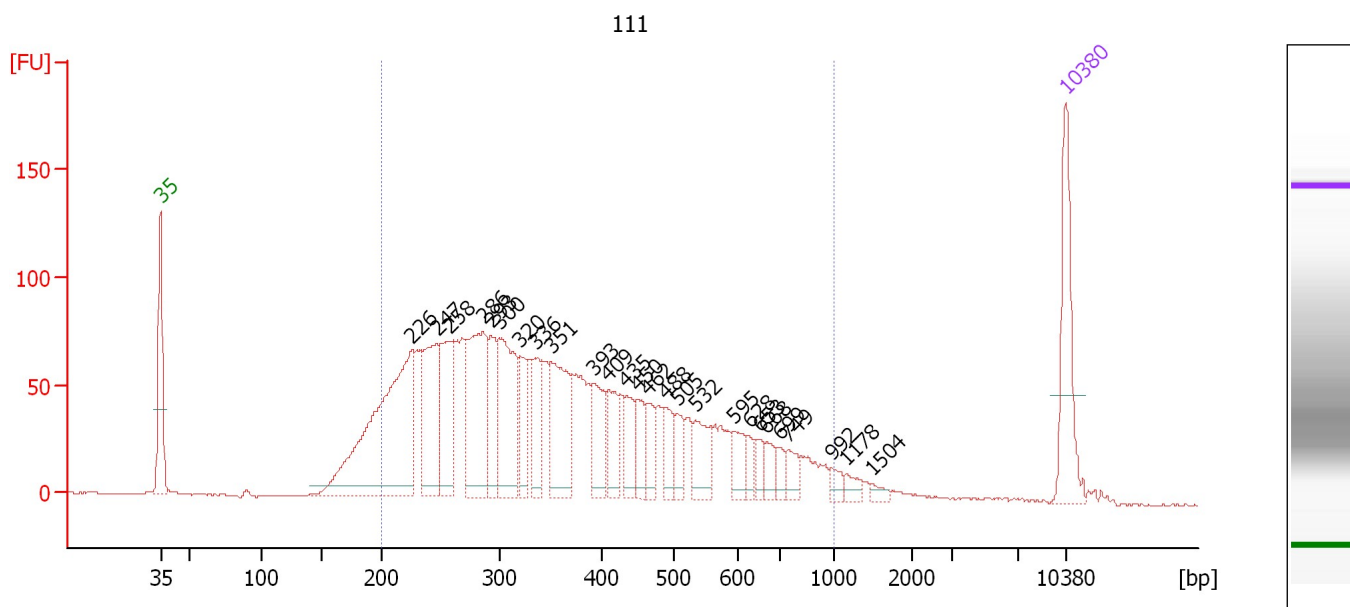
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,408	2.61	2.8	
28	10,380	75.00	10.9	Upper Marker

Region table for sample 2 : 104

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	2,196.9	91	382	39.8	1,700.49	8,026.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 111**

Number of peaks found: 26 Corr. Area 1: 2,460.2
 Noise: 0.3

Peak table for sample 3 : 111

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	226	345.81	2,322.1	
3	247	131.35	806.1	
4	258	101.16	595.2	
5	286	158.07	836.3	
6	293	62.45	323.0	
7	300	134.88	681.1	
8	320	47.77	225.9	
9	336	55.28	249.6	
10	351	117.54	507.1	
11	393	52.63	202.9	
12	409	42.79	158.5	
13	435	35.96	125.3	
14	450	34.26	115.3	
15	462	27.35	89.6	
16	488	26.95	83.7	
17	505	24.90	74.7	
18	532	45.71	130.1	
19	595	24.92	63.5	
20	628	13.19	31.9	
21	653	13.50	31.3	
22	668	17.26	39.1	
23	699	12.61	27.3	
24	749	18.06	36.6	
25	992	10.25	15.7	
26	1,178	10.02	12.9	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...**... Peak table for sample 3 : 111**

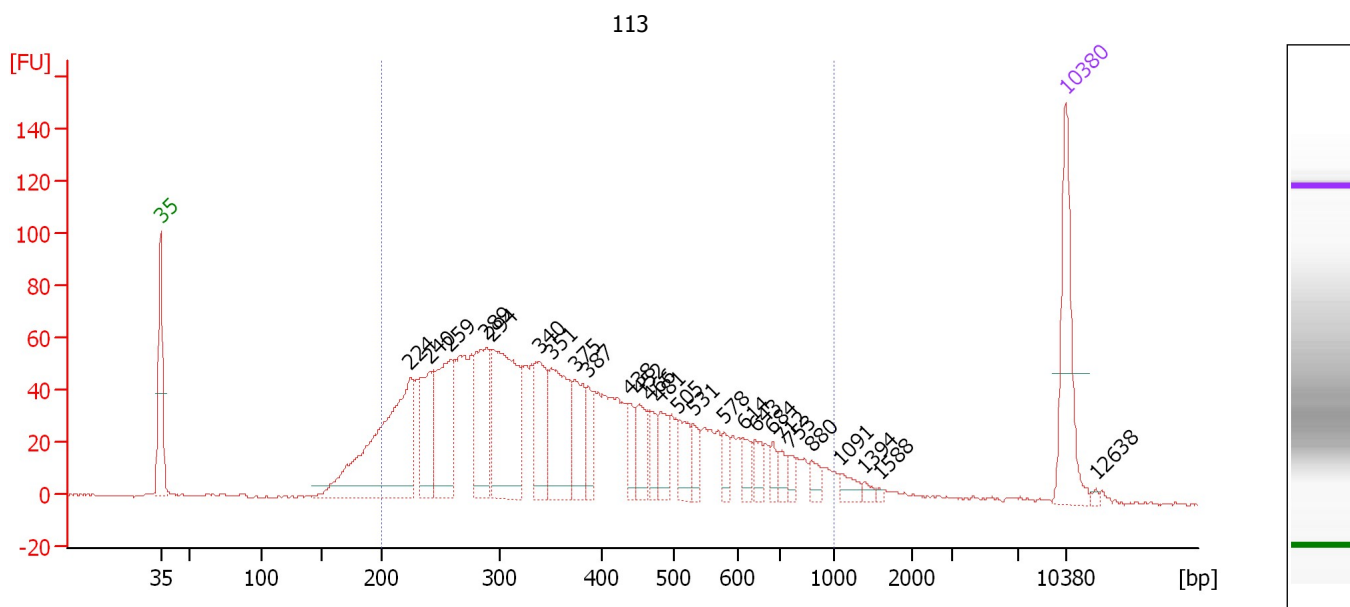
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,504	5.80	5.8	
28	10,380	75.00	10.9	Upper Marker

Region table for sample 3 : 111

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	2,460.1	90	389	40.5	1,873.64	8,788.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 113**

Number of peaks found: 26 Corr. Area 1: 1,838.3
 Noise: 0.3

Peak table for sample 4 : 113

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	224	260.88	1,761.7	
3	240	71.95	453.3	
4	259	118.67	695.2	
5	289	103.37	541.5	
6	294	177.50	915.0	
7	340	70.68	315.4	
8	351	106.05	457.2	
9	375	54.05	218.6	
10	387	29.61	115.9	
11	438	24.03	83.2	
12	452	37.19	124.7	
13	466	23.31	75.8	
14	481	30.75	96.9	
15	505	34.38	103.2	
16	531	19.33	55.2	
17	578	15.17	39.7	
18	614	16.65	41.1	
19	643	16.91	39.8	
20	684	11.31	25.1	
21	712	11.67	24.8	
22	753	11.27	22.7	
23	880	11.07	19.1	
24	1,091	11.38	15.8	
25	1,394	4.71	5.1	
26	1,588	2.15	2.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...**... Peak table for sample 4 : 113**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker
28	12,638	0.00	0.0	

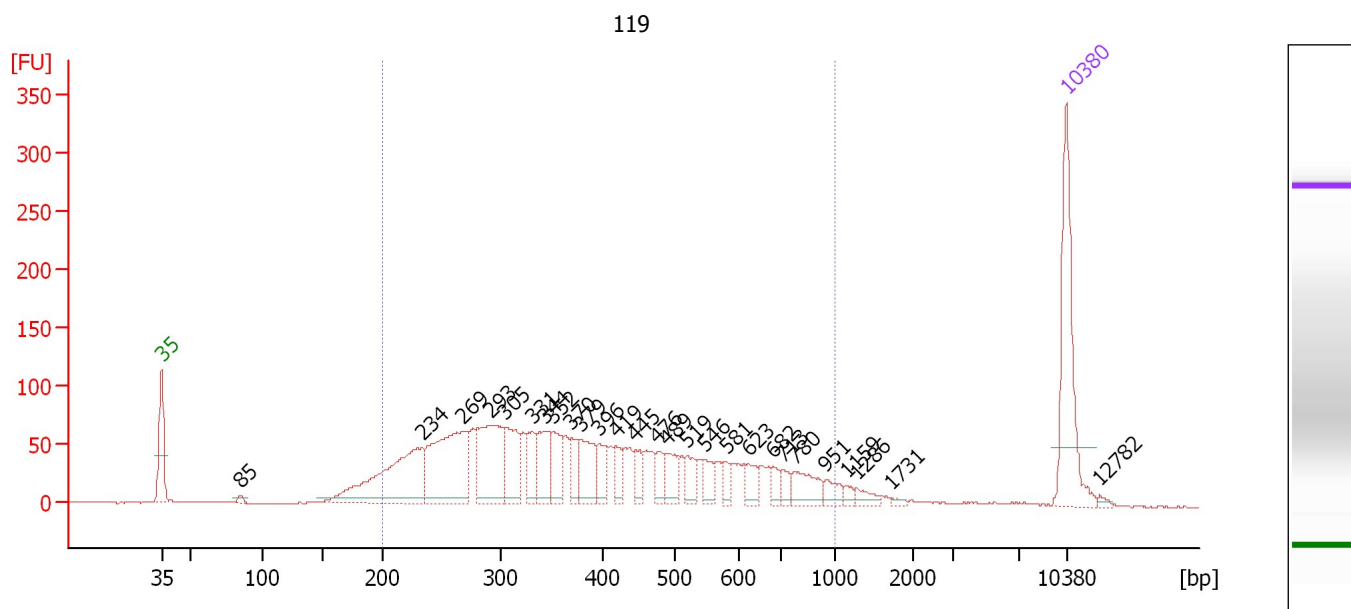
Region table for sample 4 : 113

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	1,838.3	90	394	39.8	1,626.73	7,505.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 119

Number of peaks found: 27 Corr. Area 1: 2,241.5
 Noise: 0.4

Peak table for sample 5 : 119

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	85	3.75	67.2	
3	234	135.50	878.9	
4	269	125.16	705.9	
5	293	87.39	452.6	
6	305	48.25	239.8	
7	331	26.87	122.9	
8	344	34.43	151.7	
9	352	33.01	141.9	
10	370	18.26	74.7	
11	379	36.63	146.3	
12	396	20.31	77.6	
13	419	14.60	52.8	
14	445	14.46	49.2	
15	476	13.69	43.6	
16	489	20.56	63.7	
17	519	15.17	44.3	
18	546	15.19	42.2	
19	581	9.04	23.6	
20	623	13.98	34.0	
21	682	8.24	18.3	
22	713	9.72	20.6	
23	780	22.88	44.4	
24	951	10.09	16.1	
25	1,159	4.16	5.4	
26	1,286	7.06	8.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...**... Peak table for sample 5 : 119**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,731	2.03	1.8	
28	10,380	75.00	10.9	Upper Marker
29	12,782	0.00	0.0	

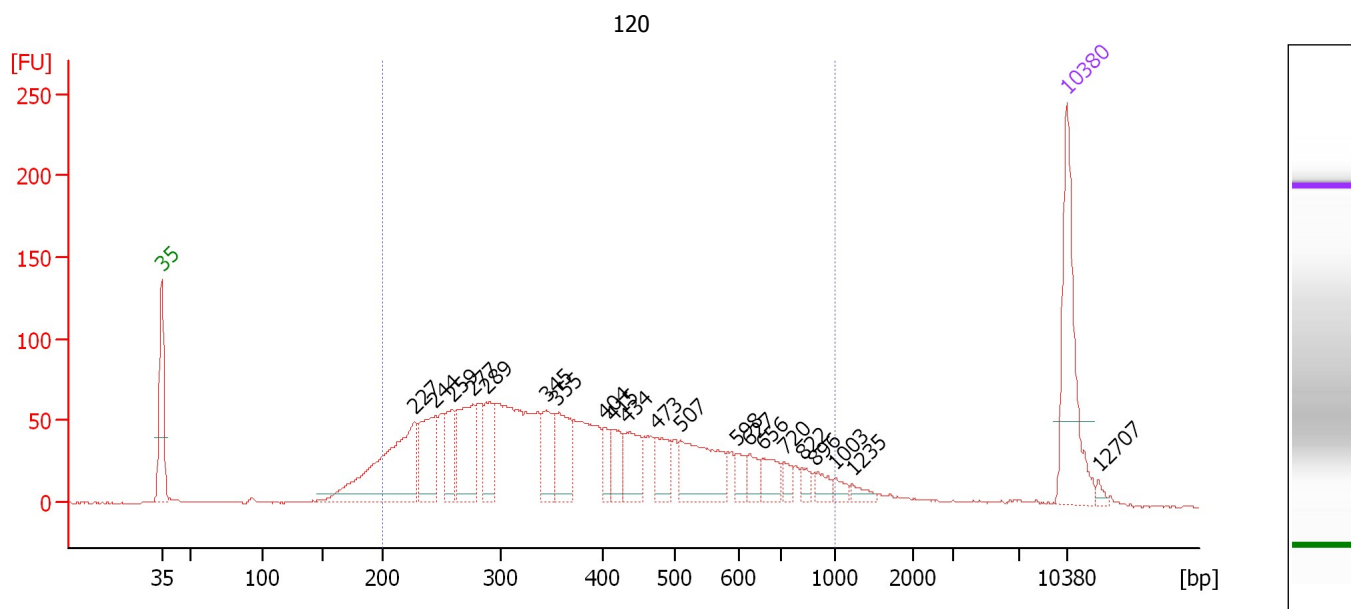
Region table for sample 5 : 119

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	2,241.5	90	412	40.3	868.19	3,867.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 120

Number of peaks found: 21 Corr. Area 1: 2,074.6
 Noise: 0.3

Peak table for sample 6 : 120

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	227	151.12	1,008.2	
3	244	62.55	388.0	
4	259	38.76	226.6	
5	277	72.68	397.0	
6	289	41.70	218.9	
7	345	42.11	184.8	
8	355	44.48	189.8	
9	404	18.47	69.2	
10	415	24.01	87.6	
11	434	36.81	128.5	
12	473	27.94	89.4	
13	507	68.92	206.0	
14	598	12.17	30.8	
15	627	13.48	32.6	
16	656	19.83	45.8	
17	720	9.62	20.3	
18	822	6.83	12.6	
19	896	9.42	15.9	
20	1,003	6.72	10.2	
21	1,235	5.95	7.3	
22	10,380	75.00	10.9	Upper Marker
23	12,707	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

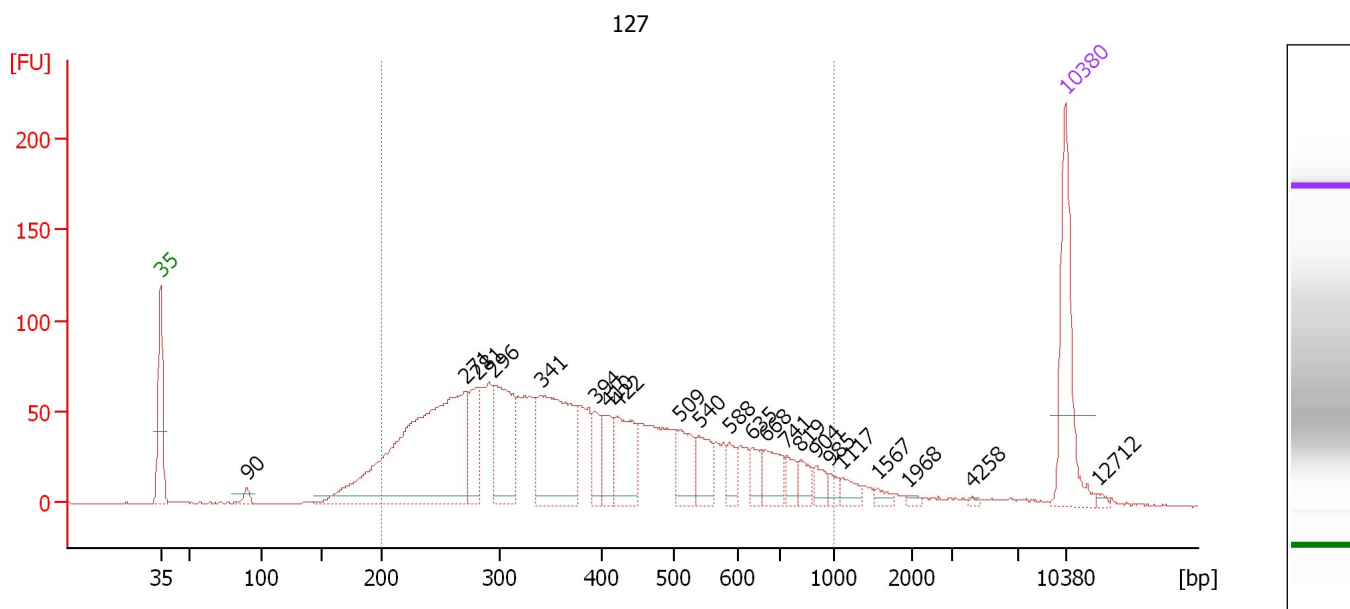
Electropherogram Summary Continued ...**... Region table for sample 6 : 120**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/ μ l]	Molarity [pmol/l]	Co lor
200	1,000	2,074.6	90	405	40.2	1,009.41	4,569.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 127

Number of peaks found: 22 Corr. Area 1: 2,145.1
 Noise: 0.4

Peak table for sample 7 : 127

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.2	Lower Marker
2	90	8.40	142.2	
3	271	375.13	2,097.4	
4	281	54.45	293.4	
5	296	107.23	548.5	
6	341	152.06	675.3	
7	394	29.46	113.2	
8	410	29.84	110.3	
9	422	62.91	226.0	
10	509	39.23	116.9	
11	540	32.24	90.5	
12	588	16.43	42.4	
13	635	15.11	36.0	
14	668	29.35	66.5	
15	741	14.51	29.7	
16	819	14.37	26.6	
17	904	11.83	19.8	
18	985	8.12	12.5	
19	1,117	10.79	14.6	
20	1,567	5.20	5.0	
21	1,968	2.60	2.0	
22	4,258	1.50	0.5	
23	10,380	75.00	10.9	Upper Marker
24	12,712	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

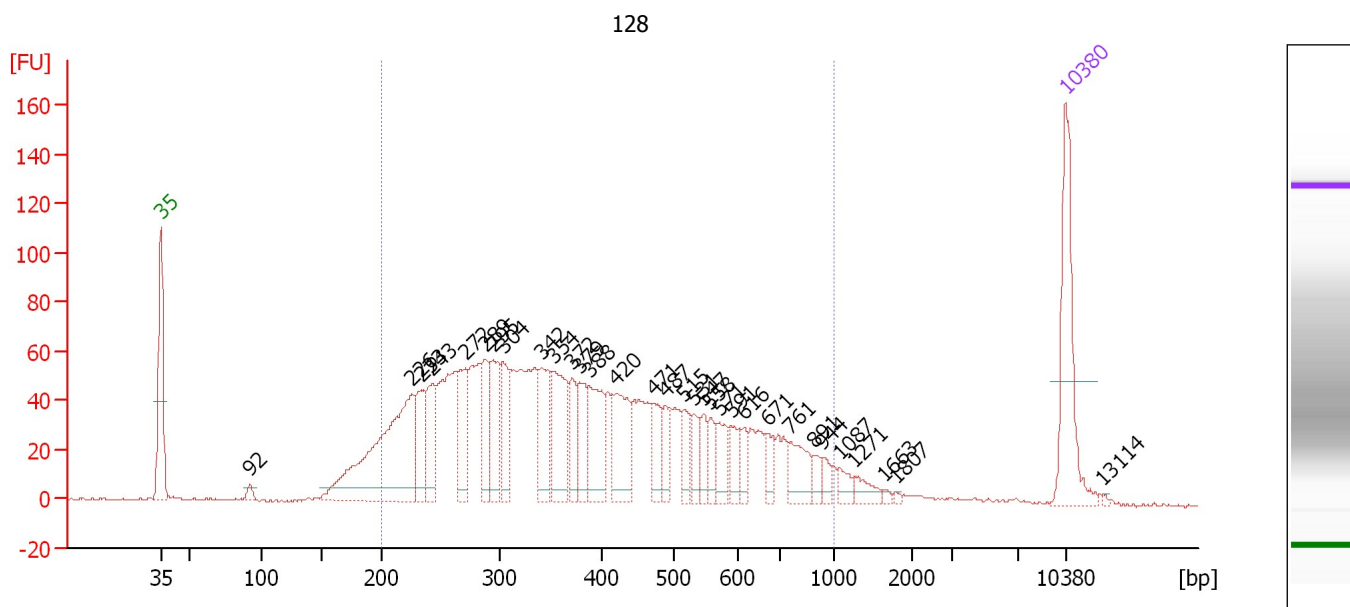
Electropherogram Summary Continued ...**... Region table for sample 7 : 127**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
200	1,000	2,145.1	90	409	39.9	1,277.73	5,717.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 128

Number of peaks found: 32 Corr. Area 1: 1,956.0
 Noise: 0.4

Peak table for sample 8 : 128

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	92	6.49	107.0	
3	226	225.11	1,510.9	
4	233	49.89	324.1	
5	243	57.44	357.6	
6	272	47.63	265.6	
7	289	48.62	255.1	
8	295	54.76	281.1	
9	304	48.91	244.0	
10	342	52.09	231.0	
11	354	69.70	298.3	
12	372	32.09	130.8	
13	379	35.57	142.2	
14	388	59.80	233.3	
15	420	59.91	215.9	
16	471	30.16	97.1	
17	487	22.24	69.2	
18	515	20.55	60.5	
19	531	20.61	58.9	
20	547	18.31	50.7	
21	558	17.47	47.5	
22	571	22.46	59.6	
23	591	16.37	42.0	
24	616	14.66	36.1	
25	671	15.67	35.4	
26	761	31.31	62.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...**... Peak table for sample 8 : 128**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	891	9.08	15.4	
28	944	8.66	13.9	
29	1,087	10.03	14.0	
30	1,271	11.65	13.9	
31	1,663	2.47	2.3	
32	1,807	1.86	1.6	
33	10,380	75.00	10.9	Upper Marker
34	13,114	0.00	0.0	

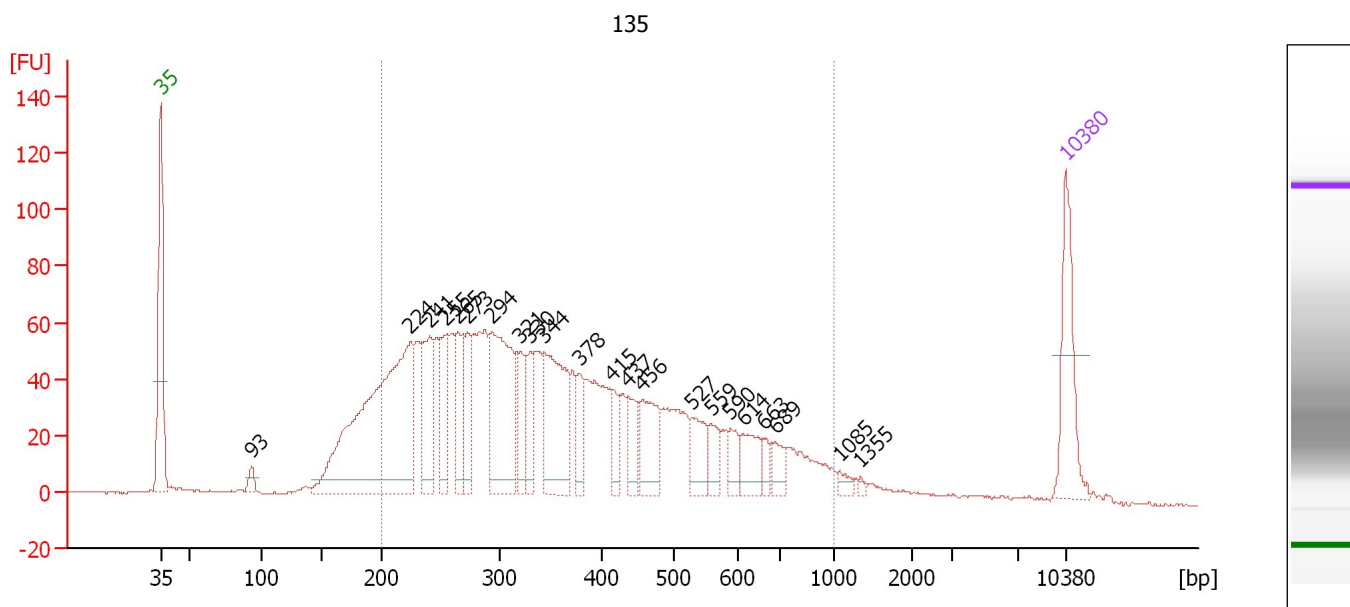
Region table for sample 8 : 128

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	1,956.0	91	411	40.1	1,520.66	6,802.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 135

Number of peaks found: 22 Corr. Area 1: 1,890.7
 Noise: 0.4

Peak table for sample 9 : 135

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	93	13.68	223.4	
3	224	482.00	3,258.4	
4	241	98.17	617.0	
5	255	71.56	424.5	
6	265	65.84	376.5	
7	273	64.27	356.1	
8	294	198.17	1,022.7	
9	321	50.44	237.9	
10	330	49.51	227.1	
11	344	141.38	622.0	
12	378	37.24	149.1	
13	415	30.48	111.3	
14	437	38.37	133.1	
15	456	68.57	227.7	
16	527	42.68	122.7	
17	559	25.42	68.9	
18	590	23.67	60.8	
19	614	37.01	91.3	
20	663	13.28	30.4	
21	689	21.56	47.4	
22	1,085	8.29	11.6	
23	1,355	2.97	3.3	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...

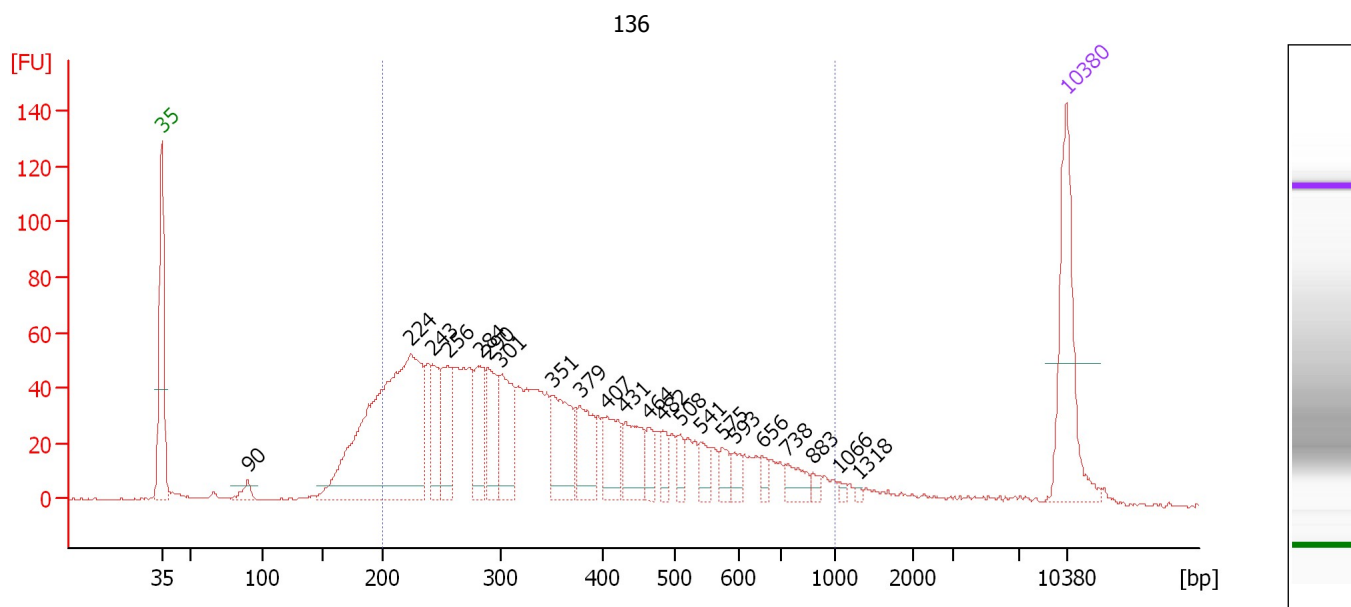
... Region table for sample 9 : 135

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
200	1,000	1,890.7	86	386	40.6	2,068.74	9,778.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 136

Number of peaks found: 22 Corr. Area 1: 1,524.9
 Noise: 0.4

Peak table for sample 10 : 136

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	90	10.87	183.4	
3	224	342.61	2,314.8	
4	243	41.72	260.5	
5	256	54.52	322.9	
6	284	48.08	256.7	
7	290	48.48	253.7	
8	301	60.26	303.0	
9	351	67.66	292.2	
10	379	46.00	184.1	
11	407	38.35	143.0	
12	431	41.33	145.3	
13	464	14.59	47.7	
14	482	14.73	46.3	
15	508	12.62	37.7	
16	541	14.17	39.7	
17	575	12.14	32.0	
18	593	10.51	26.8	
19	656	6.89	15.9	
20	738	15.87	32.6	
21	883	4.99	8.6	
22	1,066	2.40	3.4	
23	1,318	1.67	1.9	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...

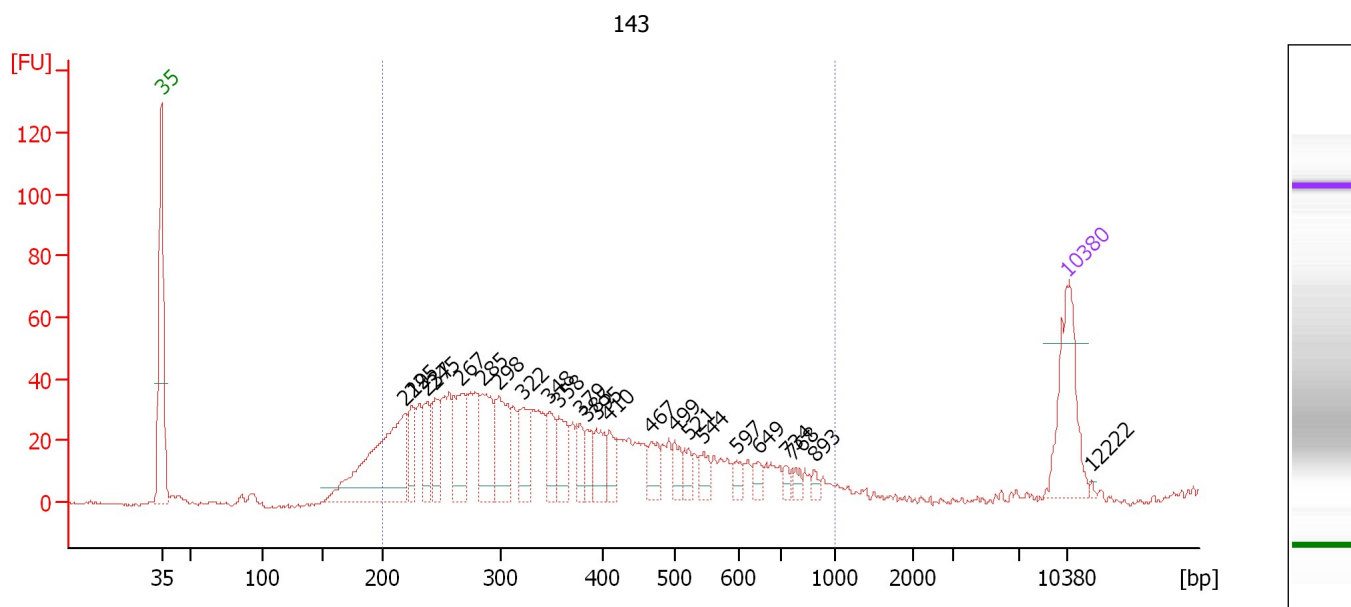
... Region table for sample 10 : 136

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
200	1,000	1,524.9	86	374	40.7	1,108.73	5,385.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 143

Number of peaks found: 24 Corr. Area 1: 1,025.0
 Noise: 0.5

Peak table for sample 11 : 143

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	219	206.98	1,433.4	
3	225	40.75	274.5	
4	237	41.56	265.4	
5	245	42.26	261.4	
6	267	70.70	401.0	
7	285	72.72	387.1	
8	298	75.07	381.1	
9	322	46.21	217.1	
10	348	36.31	157.9	
11	358	40.79	172.7	
12	379	22.29	89.1	
13	385	22.33	87.9	
14	395	32.10	123.3	
15	410	25.67	94.7	
16	467	25.74	83.5	
17	499	19.63	59.6	
18	521	15.44	44.9	
19	544	15.90	44.3	
20	597	12.52	31.8	
21	649	10.94	25.5	
22	734	7.14	14.7	
23	768	8.24	16.3	
24	893	5.82	9.9	
25	10,380	75.00	10.9	Upper Marker
26	12,222	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...

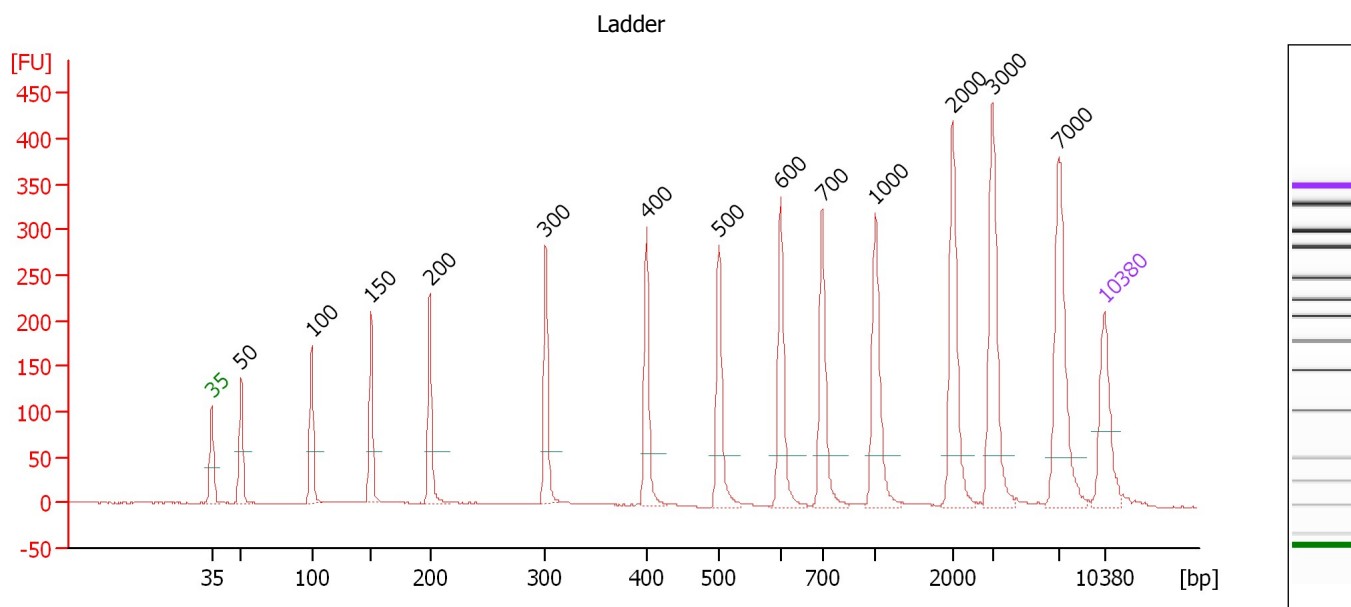
... Region table for sample 11 : 143

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/ μ l]	Molarity [pmol/l]	Co lor
200	1,000	1,025.0	92	375	39.6	1,204.98	5,775.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
 Modified: 12/5/2016 3:50:40 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 12 : Ladder

Height Threshold [FU] : 20 Baseline Plateau [s] : 0.3
 Area Threshold : 0

Overall Results for Ladder

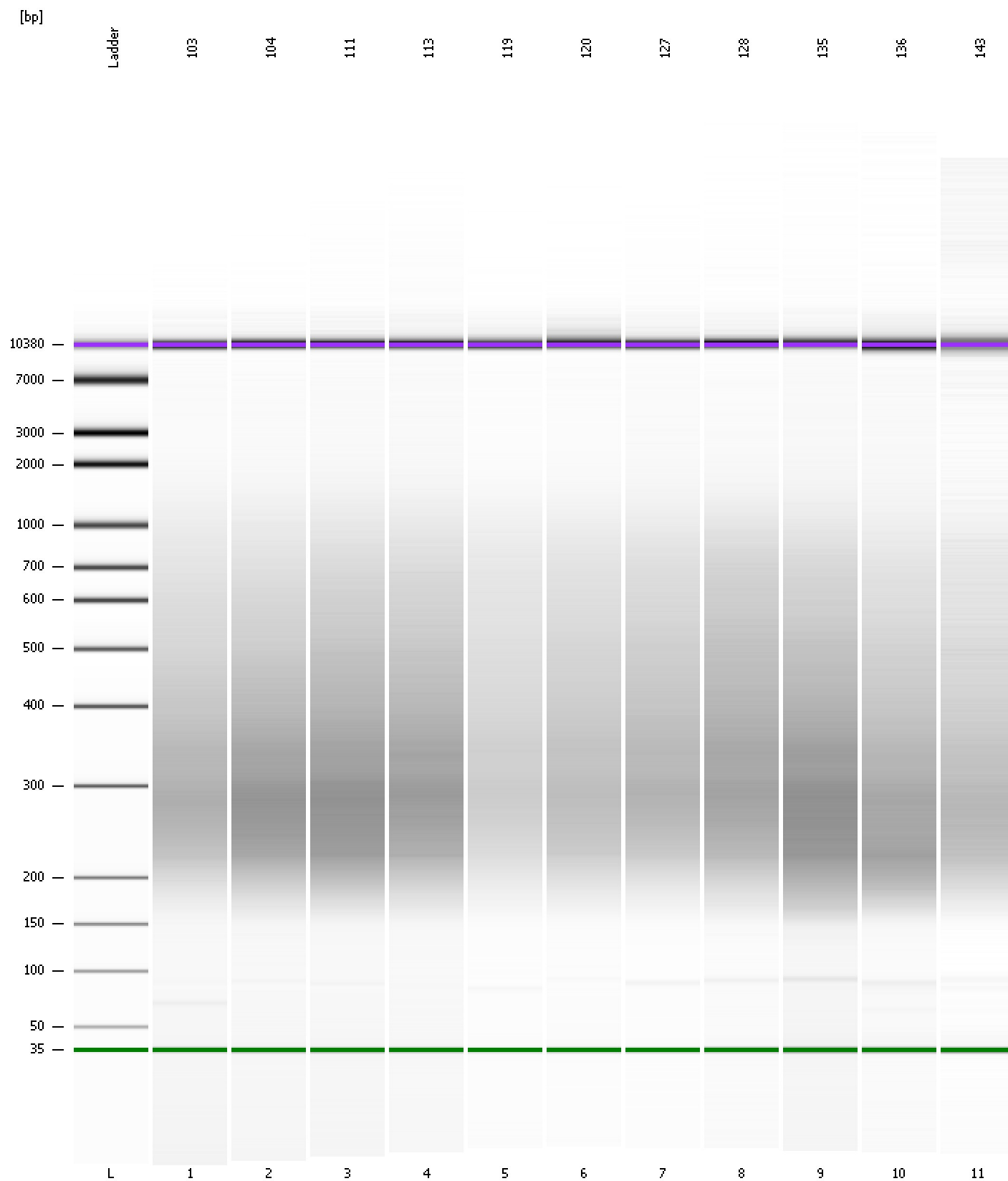
Noise: 0.2

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
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_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

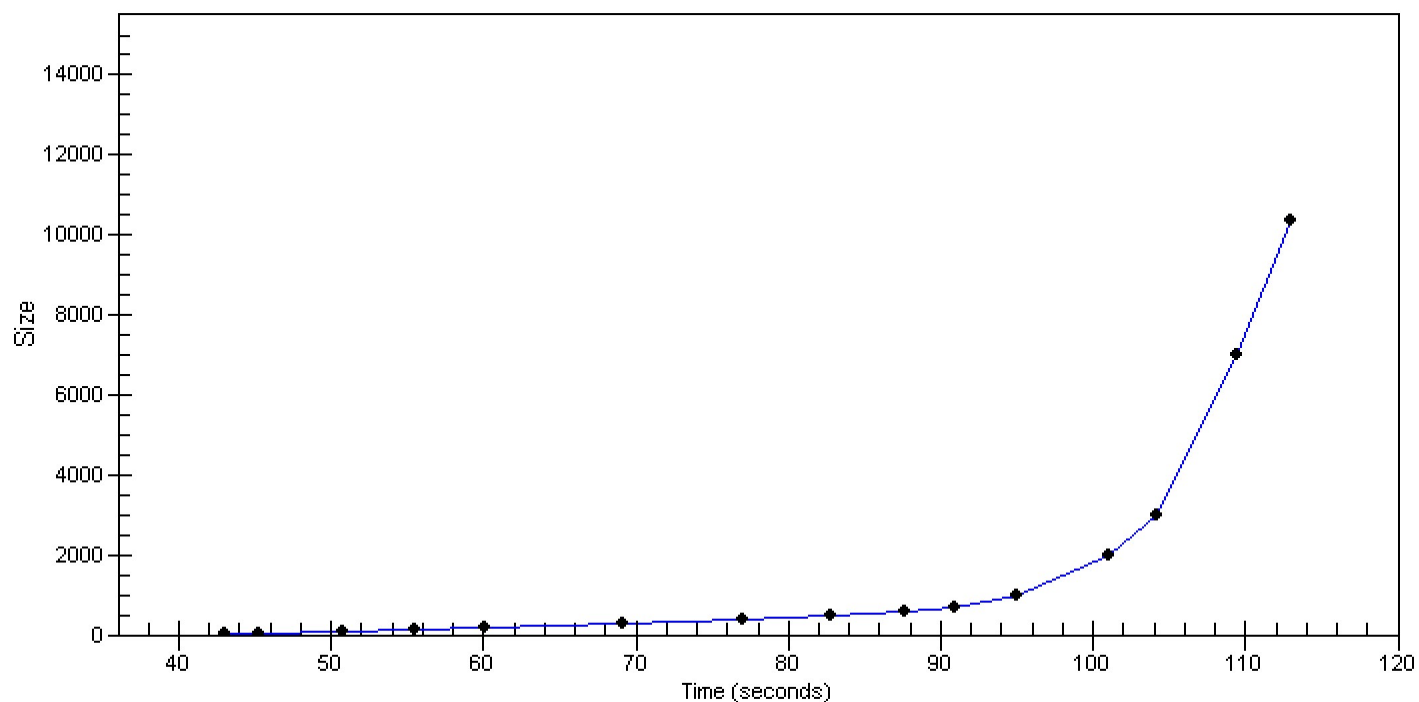
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad

Created: 12/5/2016 3:09:17 PM
Modified: 12/5/2016 3:50:40 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay Created: 12/5/2016 3:09:17 PM
 Data Path: C:\...gh Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad Modified: 12/5/2016 3:50:40 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12/5/2016 3:50:34 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2016-12-05\2100 expert_High Sensitivity DNA Assay_DE72902486_2016-12-05_15-09-17.xad)		Instrument	Run		12/5/2016 3:09:23 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Product Number : G2939A		Instrument	Run		12/5/2016 3:09:23 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		12/5/2016 3:09:23 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		12/5/2016 3:09:23 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Serial# : DE72902486		Instrument	Run		12/5/2016 3:09:23 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		12/5/2016 3:09:23 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Cartridge : Electrode		Instrument	Run		12/5/2016 3:09:22 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01