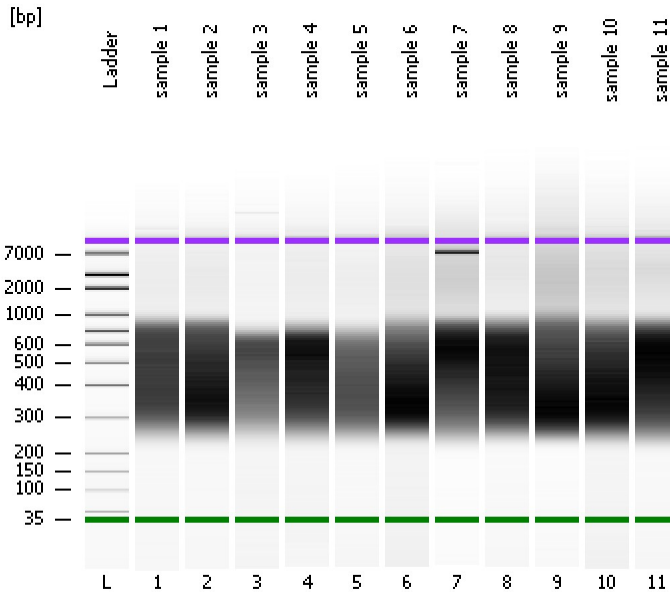


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

Created: 4/11/2017 12:31:58 PM  
Modified: 4/11/2017 1:13:18 PM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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: 1.03  
Assay Comments: Copyright © 2003-2010 Agilent Technologies

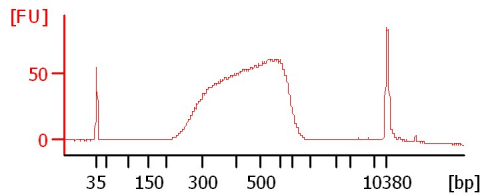
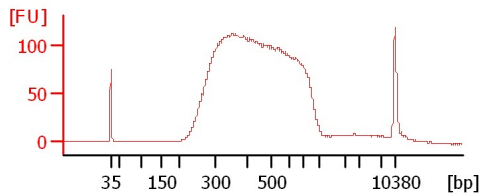
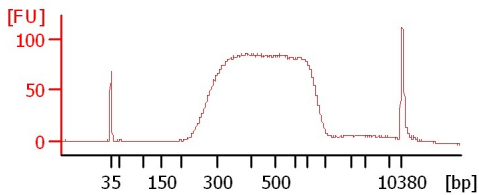
#### Chip Information:

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

sample 1

sample 2

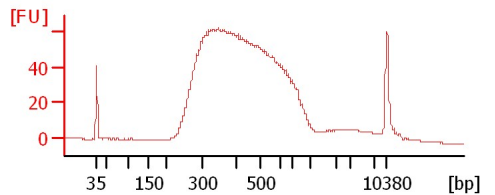
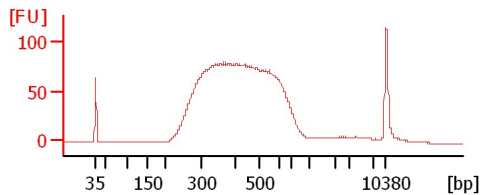
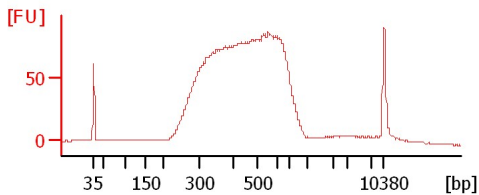
sample 3



sample 4

sample 5

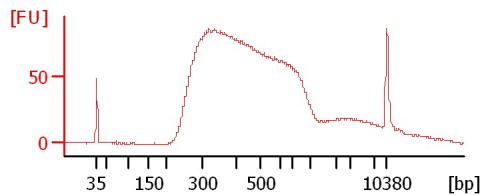
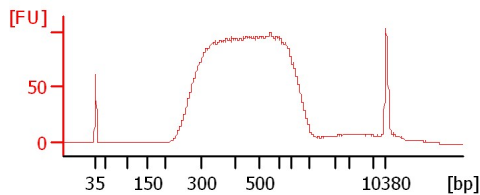
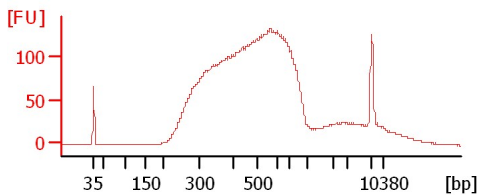
sample 6



sample 7

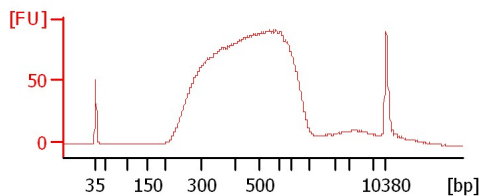
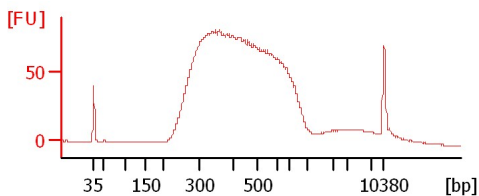
sample 8

sample 9



sample 10

sample 11



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

Created: 4/11/2017 12:31:58 PM  
 Modified: 4/11/2017 1:13:18 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		<input type="checkbox"/>				
sample 2		<input type="checkbox"/>				
sample 3		<input type="checkbox"/>				
sample 4		<input type="checkbox"/>				
sample 5		<input type="checkbox"/>				
sample 6		<input type="checkbox"/>				
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

Created: 4/11/2017 12:31:58 PM  
Modified: 4/11/2017 1:13:18 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/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

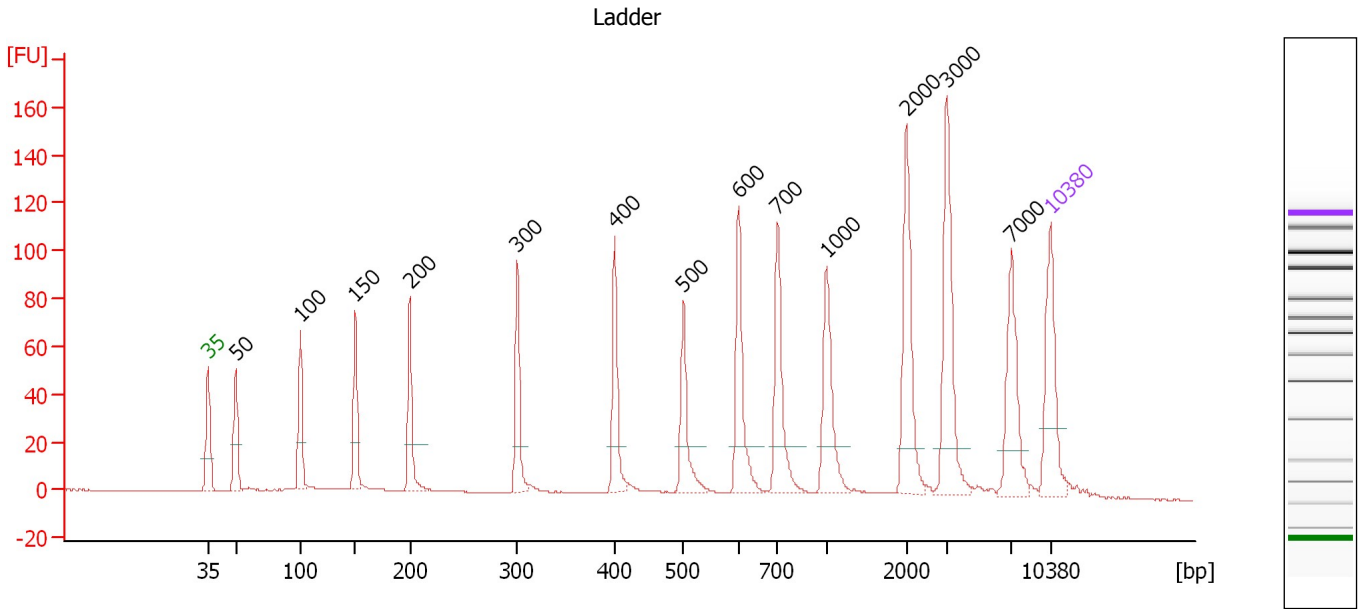
**Ladder**

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:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

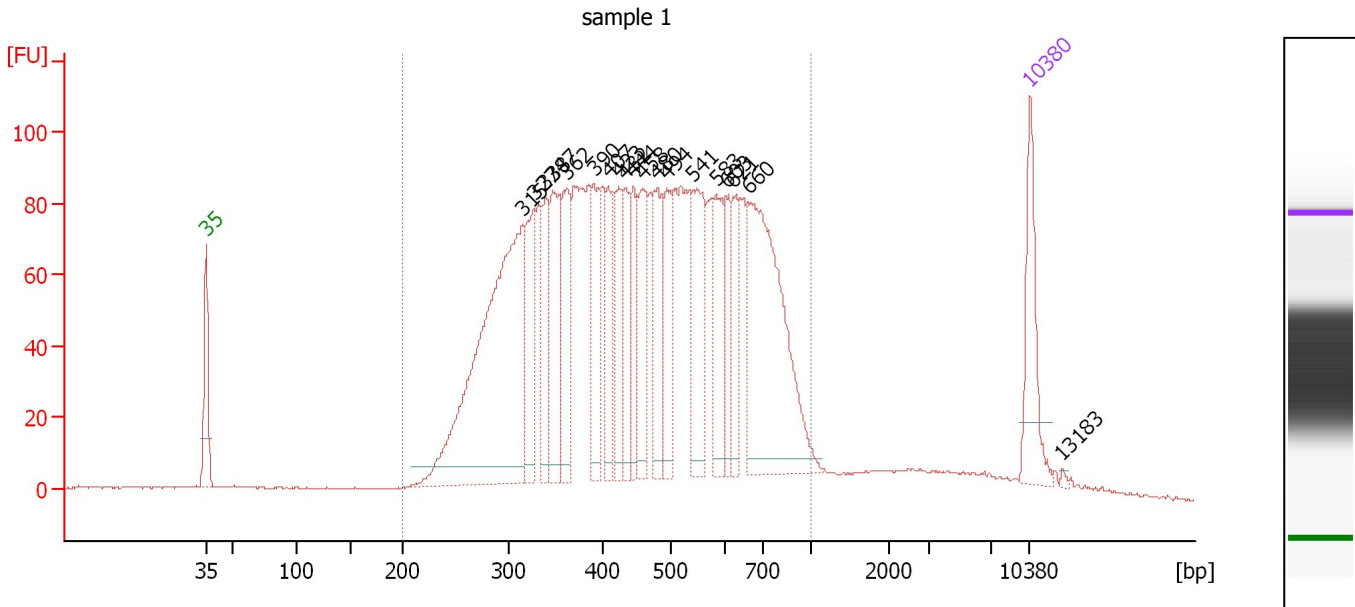
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.26
3	100	150.00	2,272.7	Ladder Peak	50.62
4	150	150.00	1,515.2	Ladder Peak	55.23
5	200	150.00	1,136.4	Ladder Peak	59.75
6	300	150.00	757.6	Ladder Peak	68.70
7	400	150.00	568.2	Ladder Peak	76.76
8	500	150.00	454.5	Ladder Peak	82.47
9	600	150.00	378.8	Ladder Peak	87.08
10	700	150.00	324.7	Ladder Peak	90.32
11	1,000	150.00	227.3	Ladder Peak	94.39
12	2,000	150.00	113.6	Ladder Peak	100.99
13	3,000	150.00	75.8	Ladder Peak	104.36
14	7,000	150.00	32.5	Ladder Peak	109.72
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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 Modified: 4/11/2017 1:13:18 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sample 1**

Number of peaks found: 19                      Corr. Area 1: 2,893.8  
 Noise: 0.1

**Peak table for sample 1 : sample 1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	315	586.15	2,823.6		69.87
3	327	109.52	507.6		70.86
4	338	88.01	394.4		71.77
5	347	144.52	631.9		72.45
6	362	110.11	461.2		73.67
7	390	98.74	383.8		75.94
8	407	78.28	291.4		77.16
9	423	71.81	257.3		78.07
10	432	76.46	268.4		78.57
11	444	75.06	256.0		79.29
12	458	100.92	334.0		80.06
13	480	103.82	327.7		81.33
14	494	87.56	268.4		82.15
15	541	128.97	361.2		84.37
16	583	92.30	239.7		86.31
17	603	59.88	150.5		87.17
18	621	64.52	157.4		87.76
19	660	326.47	749.1		89.03
20	10,380	75.00	10.9	Upper Marker	113.00
21	13,183	0.00	0.0		115.72

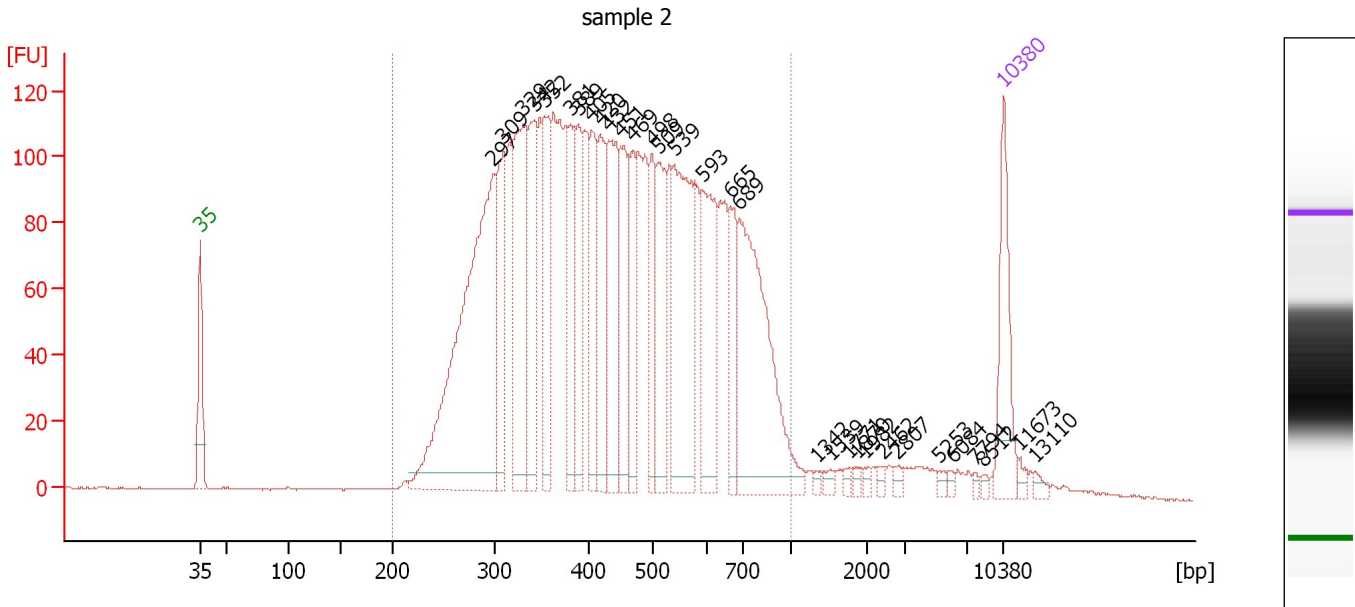
**Region table for sample 1 : sample 1**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	474	2,893.8	12,396.9	3,347.97	94	32.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : sample 2**

Number of peaks found: 31                      Corr. Area 1: 3,602.0  
 Noise: 0.2

**Peak table for sample 2 : sample 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	297	553.83	2,822.5		68.45
3	309	129.03	633.7		69.38
4	329	212.10	976.0		71.06
5	342	164.02	726.8		72.08
6	352	116.42	500.7		72.91
7	381	92.17	366.4		75.24
8	389	97.32	378.9		75.89
9	405	99.24	371.2		77.05
10	420	109.85	396.6		77.88
11	432	139.28	488.7		78.58
12	451	104.03	349.8		79.65
13	469	77.40	249.9		80.72
14	498	74.56	227.0		82.34
15	509	105.68	314.4		82.90
16	539	216.15	607.1		84.29
17	593	138.41	353.7		86.76
18	665	63.00	143.6		89.17
19	689	277.26	609.7		89.96
20	1,342	3.93	4.4		96.65
21	1,539	6.16	6.1		97.95
22	1,771	4.15	3.6		99.48
23	1,870	4.82	3.9		100.13
24	1,982	3.86	3.0		100.88
25	2,462	4.85	3.0		102.55

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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 Modified: 4/11/2017 1:13:18 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 2 : sample 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,807	5.20	2.8		103.71
27	5,253	4.70	1.4		107.38
28	6,084	3.64	0.9		108.49
29	7,794	2.93	0.6		110.49
30	8,512	3.51	0.6		111.19
31	10,380	75.00	10.9	Upper Marker	113.00
32	11,673	0.00	0.0		114.25
33	13,110	0.00	0.0		115.65

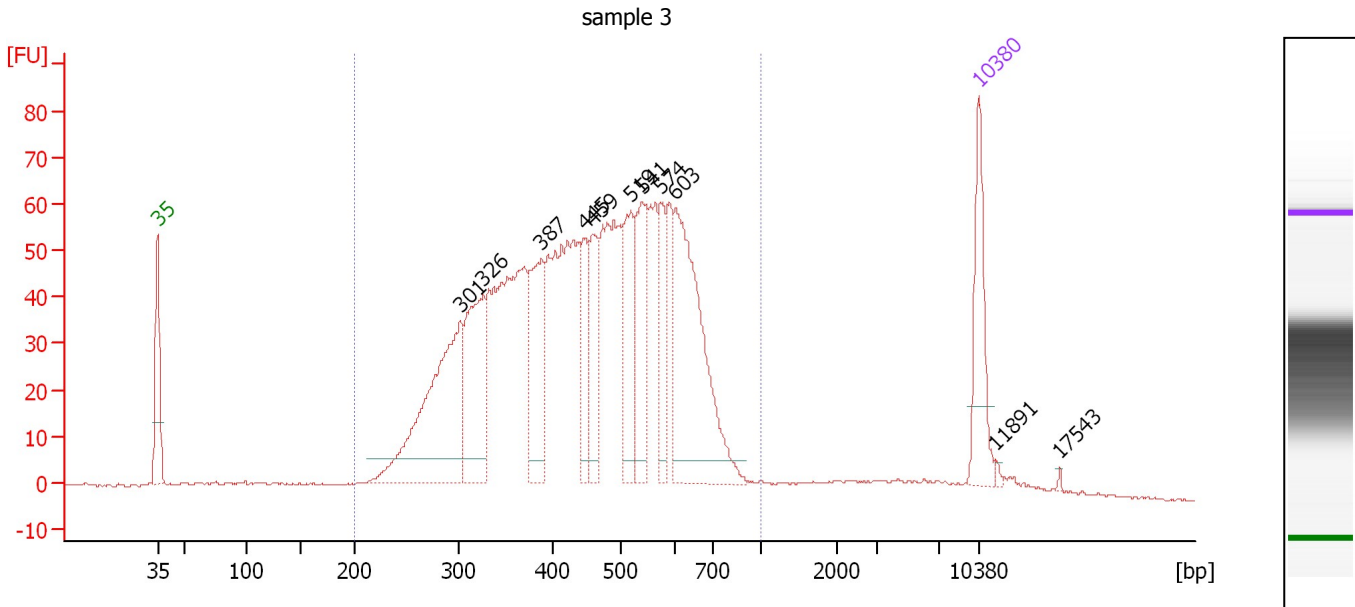
#### Region table for sample 2 : sample 2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	460	3,602.0	14,028.9	3,686.77	95	33.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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 Modified: 4/11/2017 1:13:18 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : sample 3**

Number of peaks found: 11                      Corr. Area 1: 1,611.3  
 Noise: 0.3

**Peak table for sample 3 : sample 3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	301	303.89	1,527.8		68.81
3	326	171.91	799.0		70.79
4	387	133.55	522.9		75.71
5	445	62.44	212.5		79.35
6	459	77.42	255.8		80.10
7	519	98.36	287.0		83.36
8	541	113.31	317.4		84.36
9	574	70.45	186.1		85.87
10	603	268.97	675.4		87.19
11	10,380	75.00	10.9	Upper Marker	113.00
12	11,891	0.00	0.0		114.47
13	17,543	0.00	0.0		119.95

**Region table for sample 3 : sample 3**

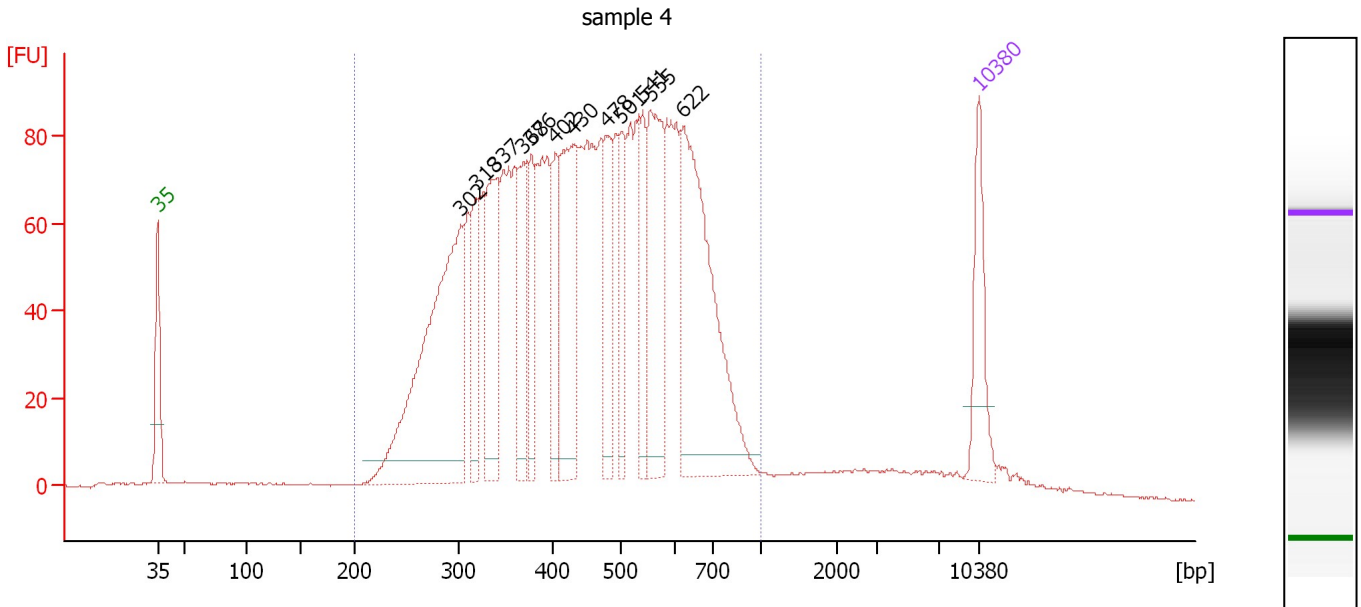
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	459	1,611.3	9,272.1	2,502.48	95	27.6



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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 Modified: 4/11/2017 1:13:18 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sample 4**

Number of peaks found: 12                      Corr. Area 1: 2,521.7  
 Noise: 0.2

**Peak table for sample 4 : sample 4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	302	506.76	2,545.5		68.83
3	318	94.59	451.0		70.13
4	337	165.53	744.3		71.68
5	368	115.49	475.4		74.19
6	376	87.43	351.9		74.86
7	402	90.22	339.8		76.89
8	430	213.18	750.9		78.48
9	478	109.25	346.1		81.23
10	501	82.68	249.9		82.54
11	541	80.81	226.2		84.37
12	555	190.03	519.0		85.00
13	622	369.01	898.6		87.80
14	10,380	75.00	10.9	Upper Marker	113.00

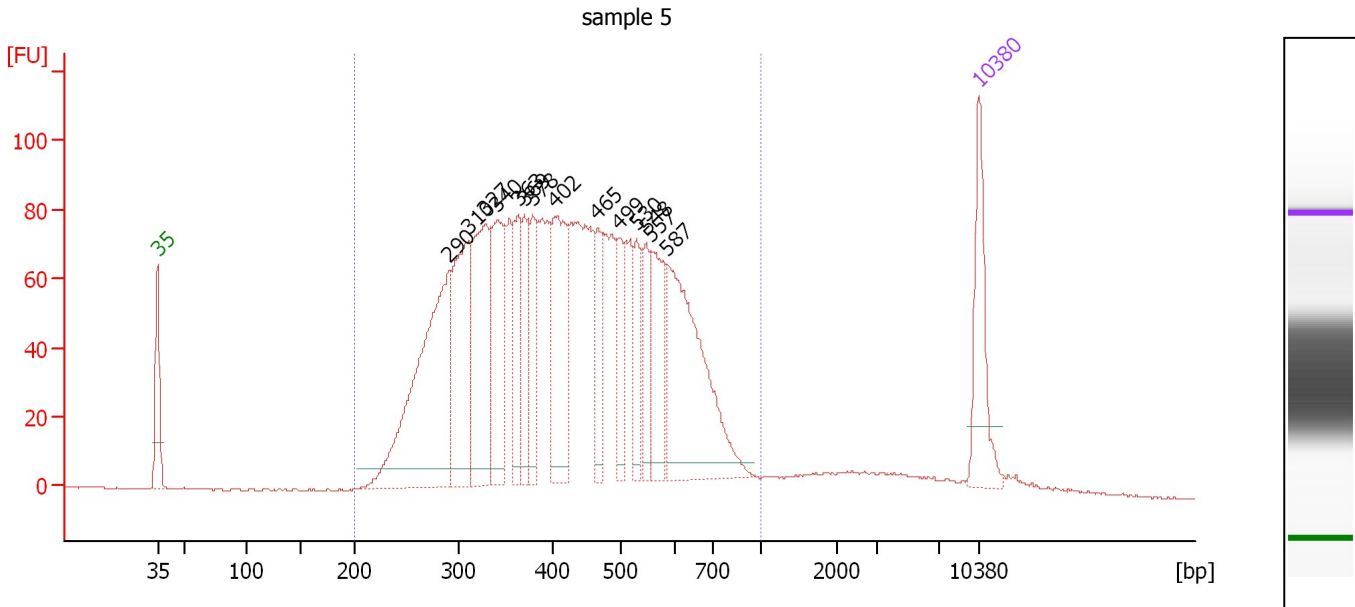
**Region table for sample 4 : sample 4**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	461	2,521.7	13,212.5	3,533.57	94	30.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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 Modified: 4/11/2017 1:13:18 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sample 5**

Number of peaks found: 14                      Corr. Area 1: 2,416.1  
 Noise: 0.2

**Peak table for sample 5 : sample 5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	290	366.12	1,911.6		67.82
3	310	177.61	868.8		69.48
4	327	202.96	939.4		70.90
5	340	139.06	619.5		71.93
6	363	83.63	348.9		73.79
7	369	71.55	293.6		74.28
8	378	75.31	301.6		75.01
9	402	146.98	554.0		76.87
10	465	69.03	224.7		80.50
11	499	60.72	184.5		82.41
12	530	52.42	149.7		83.87
13	548	50.38	139.2		84.71
14	557	88.25	240.1		85.10
15	587	245.13	633.1		86.47
16	10,380	75.00	10.9	Upper Marker	113.00

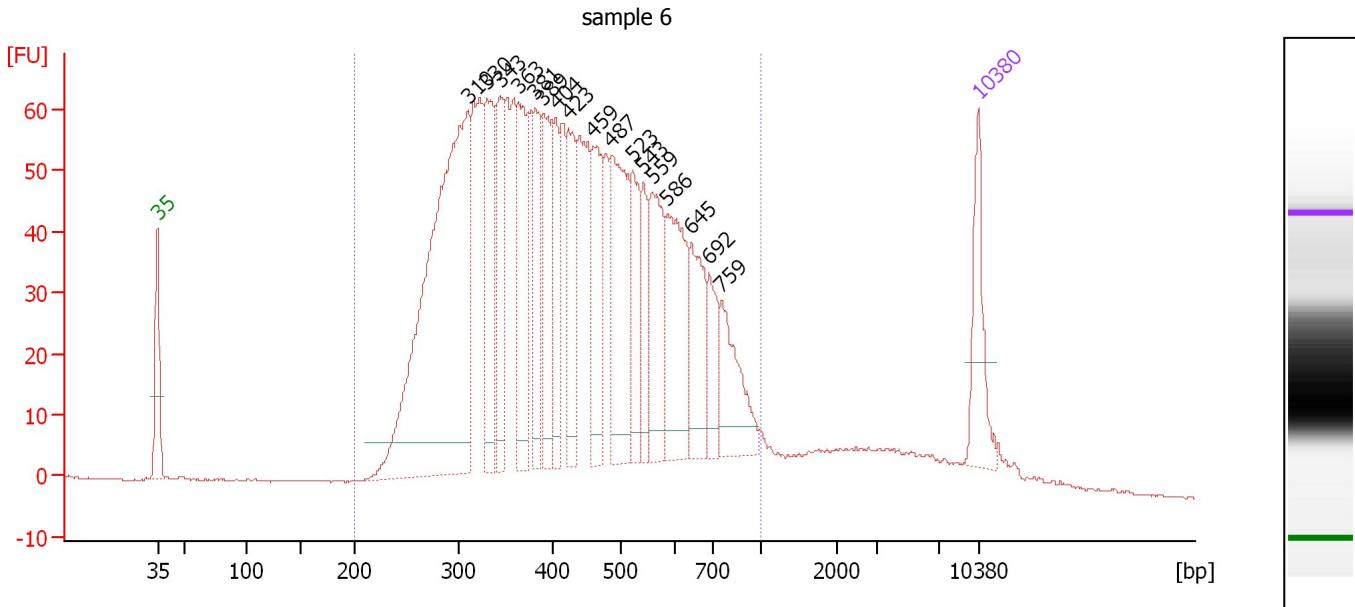
**Region table for sample 5 : sample 5**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	436	2,416.1	10,163.2	2,593.00	95	29.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

Created: 4/11/2017 12:31:58 PM  
 Modified: 4/11/2017 1:13:18 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : sample 6**

Number of peaks found: 17                      Corr. Area 1: 1,900.7  
 Noise: 0.2

**Peak table for sample 6 : sample 6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	310	818.41	4,003.3		69.48
3	330	178.72	821.1		71.10
4	343	128.36	566.8		72.17
5	363	153.35	639.8		73.79
6	381	113.09	450.0		75.21
7	389	139.94	544.7		75.90
8	404	96.42	361.9		76.97
9	423	120.47	432.0		78.05
10	459	130.20	429.4		80.15
11	487	210.45	655.0		81.72
12	523	98.19	284.5		83.53
13	543	66.20	184.7		84.46
14	559	138.44	375.2		85.20
15	586	173.18	448.1		86.42
16	645	107.17	251.9		88.52
17	692	62.20	136.3		90.04
18	759	103.61	206.8		91.12
19	10,380	75.00	10.9	Upper Marker	113.00

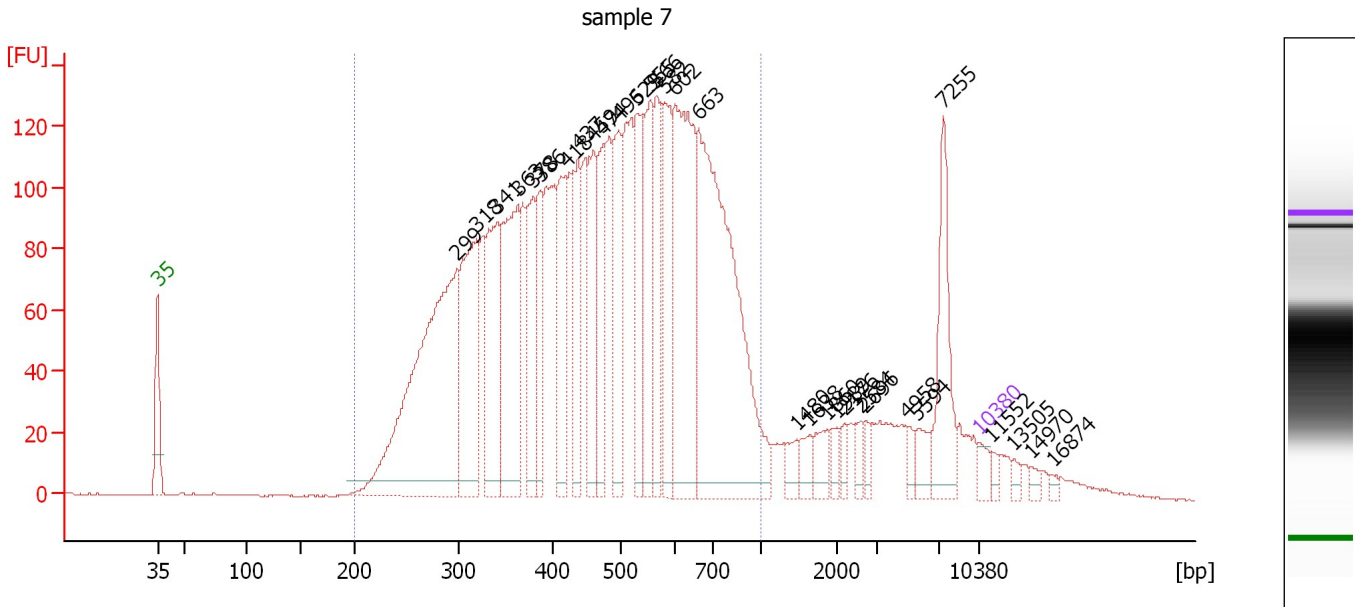
**Region table for sample 6 : sample 6**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	446	1,900.7	15,652.1	4,020.54	93	33.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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 Modified: 4/11/2017 1:13:18 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : sample 7**

Number of peaks found: 31                      Corr. Area 1: 3,761.9  
 Noise: 0.2

**Peak table for sample 7 : sample 7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	299	3,125.47	15,856.7		68.58
3	318	1,262.15	6,004.8		70.19
4	341	1,012.81	4,503.0		71.99
5	363	1,303.46	5,447.8		73.74
6	378	680.31	2,724.2		75.02
7	386	496.20	1,947.6		75.63
8	418	688.21	2,492.3		77.81
9	437	549.27	1,906.1		78.85
10	459	675.52	2,229.9		80.13
11	474	641.99	2,052.5		80.98
12	496	698.37	2,132.1		82.26
13	529	577.44	1,652.9		83.83
14	555	728.31	1,988.2		85.01
15	566	567.20	1,517.5		85.53
16	582	626.30	1,631.2		86.24
17	602	1,596.30	4,018.9		87.14
18	663	2,877.76	6,573.4		89.13
19	1,480	110.58	113.2		97.56
20	1,638	102.71	95.0		98.60
21	1,860	139.43	113.6		100.07
22	1,989	72.47	55.2		100.92
23	2,176	70.29	48.9		101.59
24	2,584	71.67	42.0		102.96
25	2,696	66.68	37.5		103.34

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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 Modified: 4/11/2017 1:13:18 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 7 : sample 7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,958	60.44	18.5		106.99
27	5,594	121.06	32.8		107.84
28	7,255	558.95	116.7		109.97
29	10,380	75.00	10.9	Upper Marker	113.00
30	11,552	0.00	0.0		114.14
31	13,505	0.00	0.0		116.03
32	14,970	0.00	0.0		117.45
33	16,874	0.00	0.0		119.30

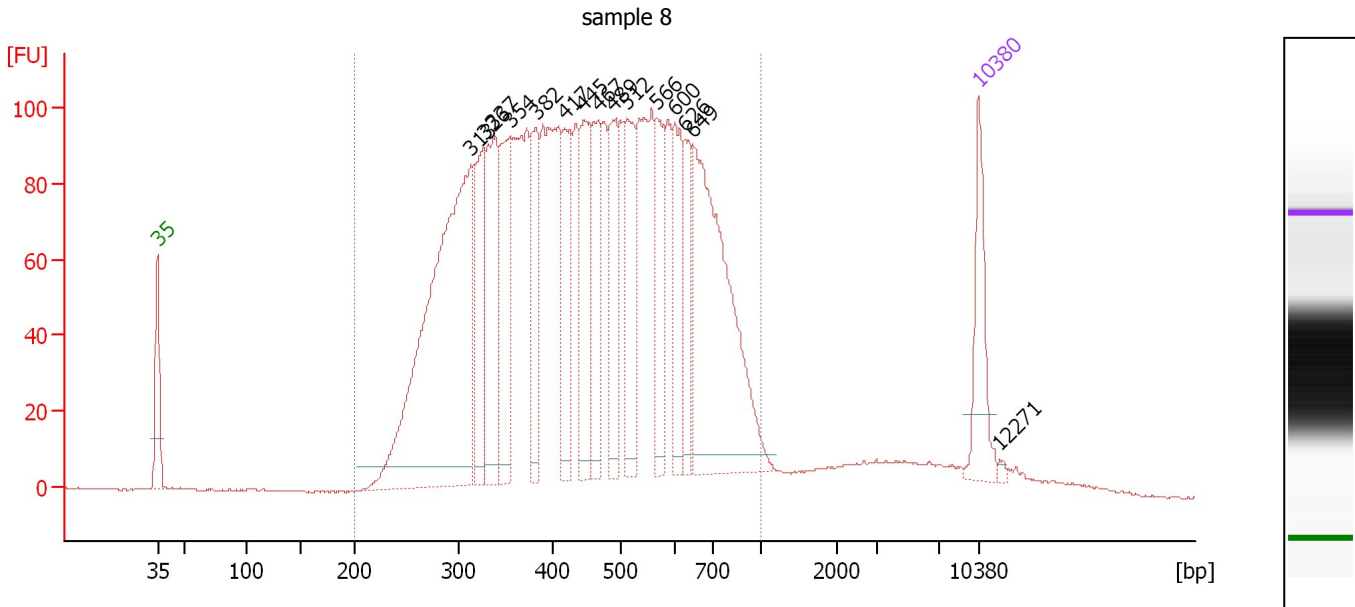
#### Region table for sample 7 : sample 7

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	488	3,761.9	81,296.3	22,394.04	87	32.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

Created: 4/11/2017 12:31:58 PM  
 Modified: 4/11/2017 1:13:18 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : sample 8**

Number of peaks found: 15      Corr. Area 1: 3,187.2  
 Noise: 0.2

**Peak table for sample 8 : sample 8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	313	700.91	3,396.1		69.72
3	326	152.37	707.6		70.81
4	337	194.87	877.0		71.65
5	354	165.05	706.6		73.04
6	382	120.41	478.1		75.27
7	417	121.29	440.3		77.75
8	445	127.85	435.2		79.34
9	467	118.78	385.5		80.58
10	489	123.36	381.9		81.87
11	512	139.95	414.5		83.01
12	566	98.12	262.5		85.54
13	600	107.69	272.0		87.07
14	626	77.00	186.4		87.92
15	649	386.82	903.4		88.66
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,271	0.00	0.0		114.83

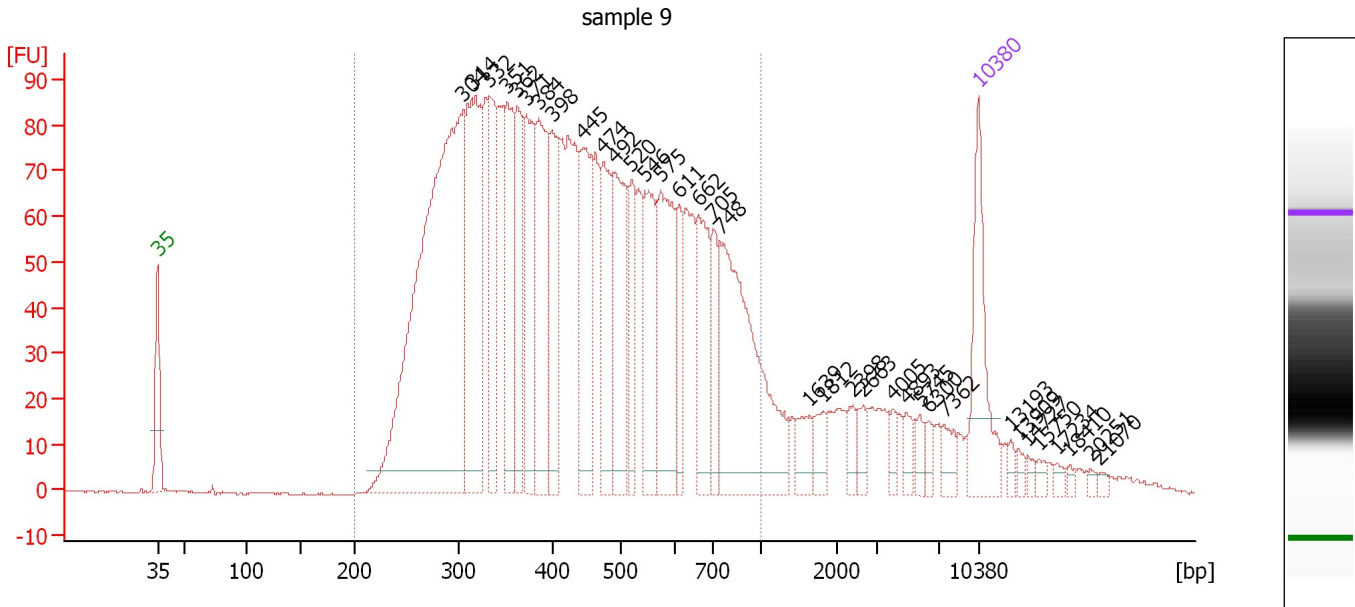
**Region table for sample 8 : sample 8**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	470	3,187.2	14,641.5	3,936.40	94	32.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

Created: 4/11/2017 12:31:58 PM  
 Modified: 4/11/2017 1:13:18 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : sample 9**

Number of peaks found: 35                      Corr. Area 1: 2,726.8  
 Noise: 0.1

**Peak table for sample 9 : sample 9**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	304	682.37	3,397.3		69.05
3	314	232.56	1,123.8		69.79
4	332	104.84	478.4		71.28
5	351	112.70	486.4		72.82
6	362	101.80	425.9		73.71
7	371	123.48	503.8		74.45
8	384	143.00	563.8		75.49
9	398	100.11	380.7		76.64
10	445	118.86	405.0		79.31
11	474	95.28	304.4		81.00
12	492	129.29	398.5		81.99
13	520	59.07	172.2		83.38
14	546	97.07	269.6		84.57
15	575	131.11	345.7		85.91
16	611	48.51	120.2		87.45
17	662	88.82	203.3		89.09
18	705	44.30	95.3		90.38
19	748	239.86	485.6		90.97
20	1,639	22.04	20.4		98.61
21	1,812	16.25	13.6		99.75
22	2,398	14.24	9.0		102.33
23	2,663	14.18	8.1		103.23
24	4,005	9.70	3.7		105.71
25	4,893	10.51	3.3		106.90

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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 Modified: 4/11/2017 1:13:18 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 9 : sample 9**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	5,745	12.14	3.2		108.04
27	6,300	8.94	2.1		108.78
28	7,362	14.86	3.1		110.07
29	10,380	75.00	10.9	Upper Marker	113.00
30	13,193	0.00	0.0		115.73
31	13,909	0.00	0.0		116.42
32	14,727	0.00	0.0		117.22
33	15,750	0.00	0.0		118.21
34	17,234	0.00	0.0		119.65
35	18,410	0.00	0.0		120.79
36	20,251	0.00	0.0		122.57
37	21,070	0.00	0.0		123.37

**Region table for sample 9 : sample 9**

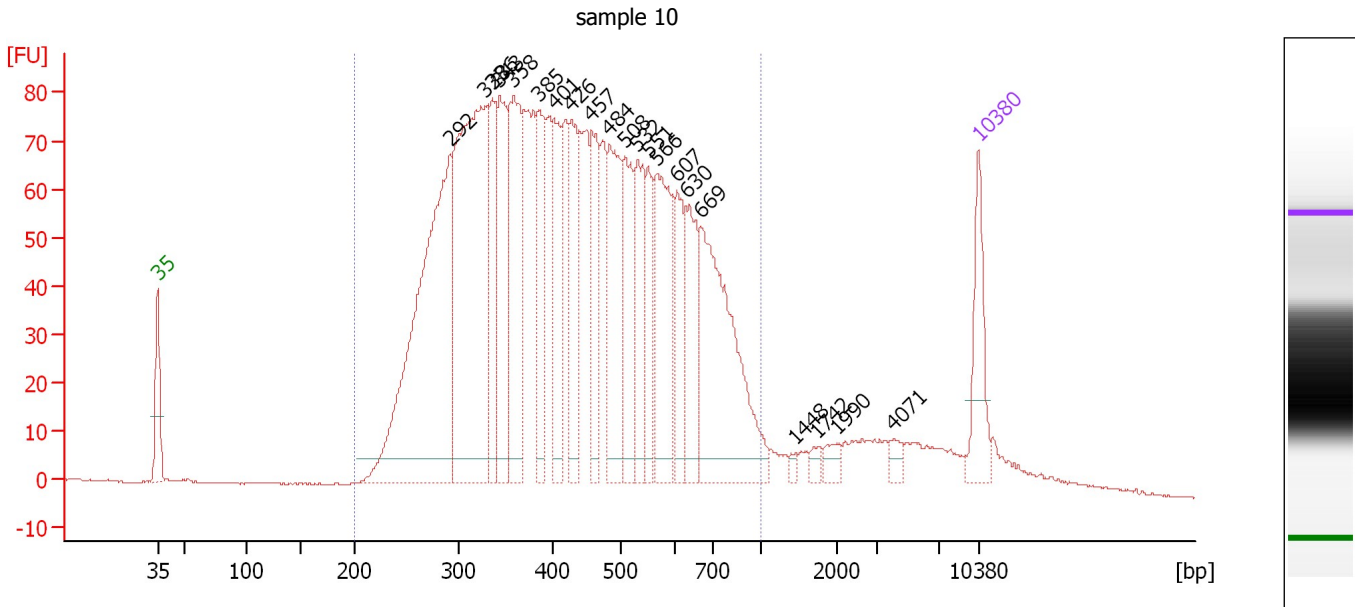
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	458	2,726.8	12,616.8	3,240.20	87	36.2



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : sample 10**

Number of peaks found: 21                      Corr. Area 1: 2,479.7  
 Noise: 0.1

**Peak table for sample 10 : sample 10**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	292	679.40	3,524.1		67.99
3	328	632.42	2,925.1		70.92
4	336	145.28	655.9		71.57
5	343	183.51	810.6		72.16
6	358	264.99	1,122.2		73.35
7	385	135.22	532.3		75.54
8	401	144.27	544.7		76.83
9	426	148.73	528.4		78.27
10	457	116.98	387.9		80.01
11	484	196.70	616.0		81.55
12	508	137.91	411.3		82.84
13	532	131.47	374.6		83.94
14	551	81.41	223.8		84.83
15	566	195.22	522.4		85.53
16	607	96.04	239.7		87.32
17	630	120.85	290.5		88.06
18	669	333.72	756.2		89.30
19	1,448	5.97	6.2		97.35
20	1,742	9.67	8.4		99.29
21	1,990	15.59	11.9		100.93
22	4,071	11.87	4.4		105.80
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

Created: 4/11/2017 12:31:58 PM  
Modified: 4/11/2017 1:13:18 PM

**Electropherogram Summary Continued ...**

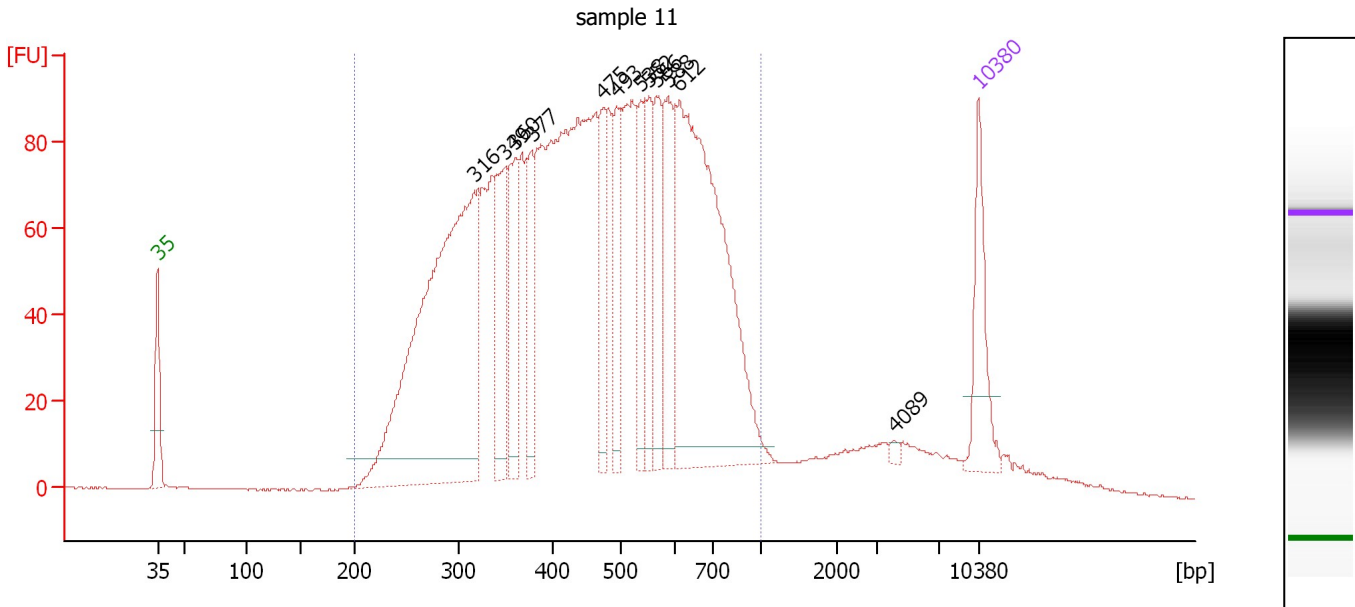
... Region table for sample 10 : sample 10

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	450	2,479.7	17,536.4	4,510.22	92	33.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : sample 11**

Number of peaks found: 12                      Corr. Area 1: 2,810.9  
 Noise: 0.2

**Peak table for sample 11 : sample 11**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	316	766.11	3,668.1		70.02
3	349	143.67	624.4		72.62
4	360	123.61	520.6		73.51
5	377	94.23	378.6		74.91
6	475	88.29	281.7		81.04
7	493	87.04	267.4		82.09
8	538	83.13	234.1		84.23
9	552	81.94	224.8		84.88
10	566	104.67	280.1		85.53
11	588	124.31	320.4		86.53
12	612	540.95	1,339.1		87.47
13	4,089	4.54	1.7		105.82
14	10,380	75.00	10.9	Upper Marker	113.00

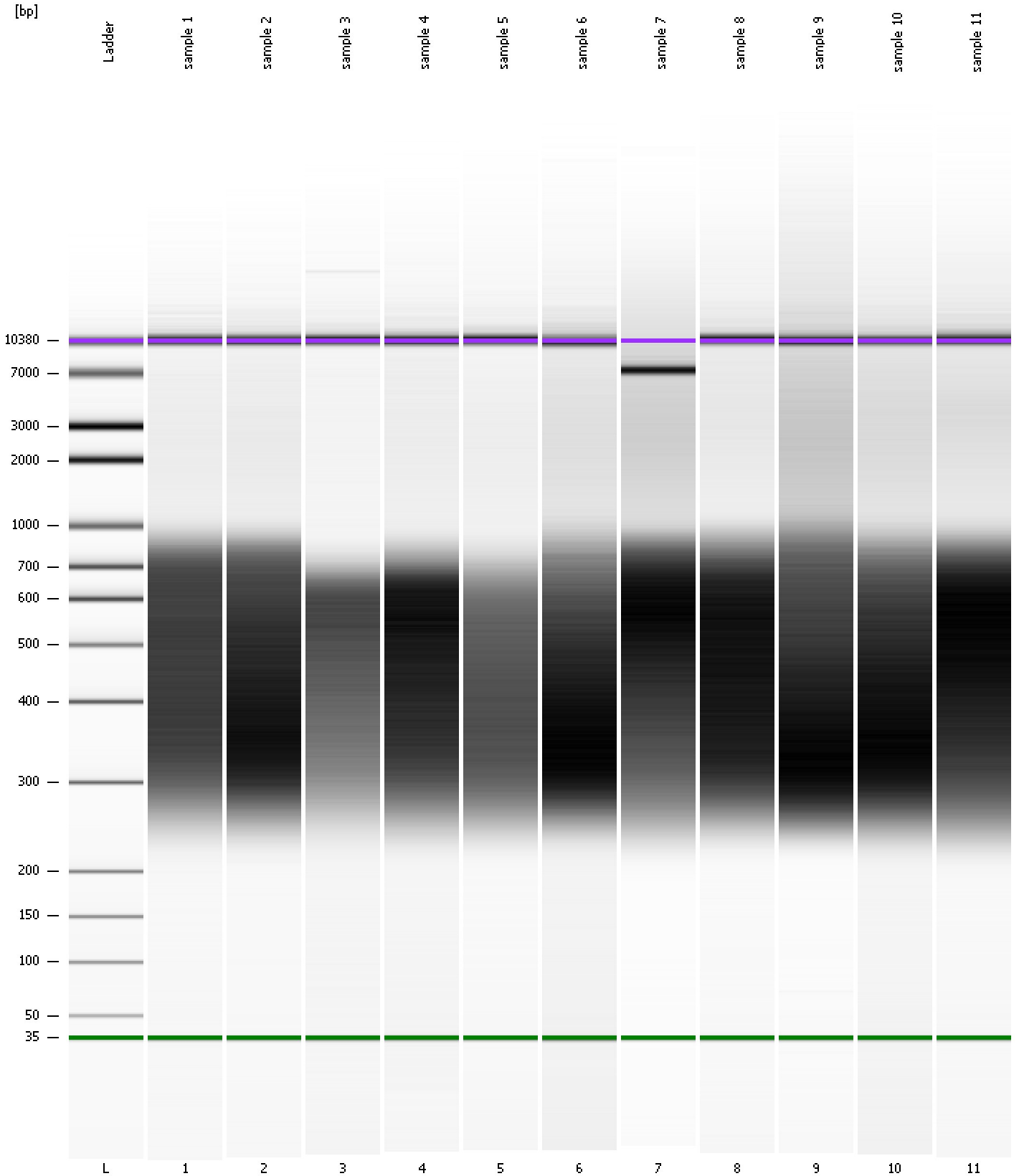
**Region table for sample 11 : sample 11**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	473	2,810.9	14,186.2	3,801.75	93	32.9

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

Created: 4/11/2017 12:31:58 PM  
Modified: 4/11/2017 1:13:18 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-11\2017-04-11\_002.xad

Created: 4/11/2017 12:31:58 PM  
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**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		4/11/2017 1:13:17 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-04-11\2017-04-11_002.xad)		Instrument	Run		4/11/2017 12:32:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/11/2017 12:32:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/11/2017 12:32:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/11/2017 12:32:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/11/2017 12:32:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/11/2017 12:32:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/11/2017 12:32:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1