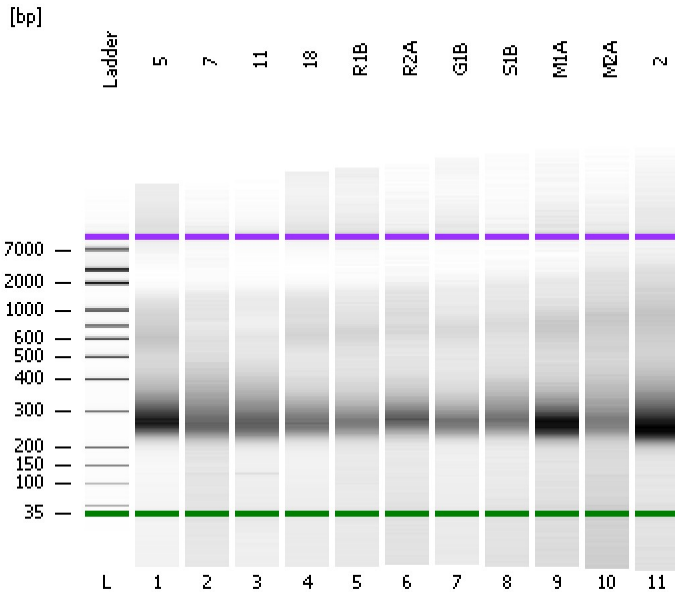


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
Modified: 8/3/2016 7:55:08 PM

**Electrophoresis File Run Summary**



Instrument Information:

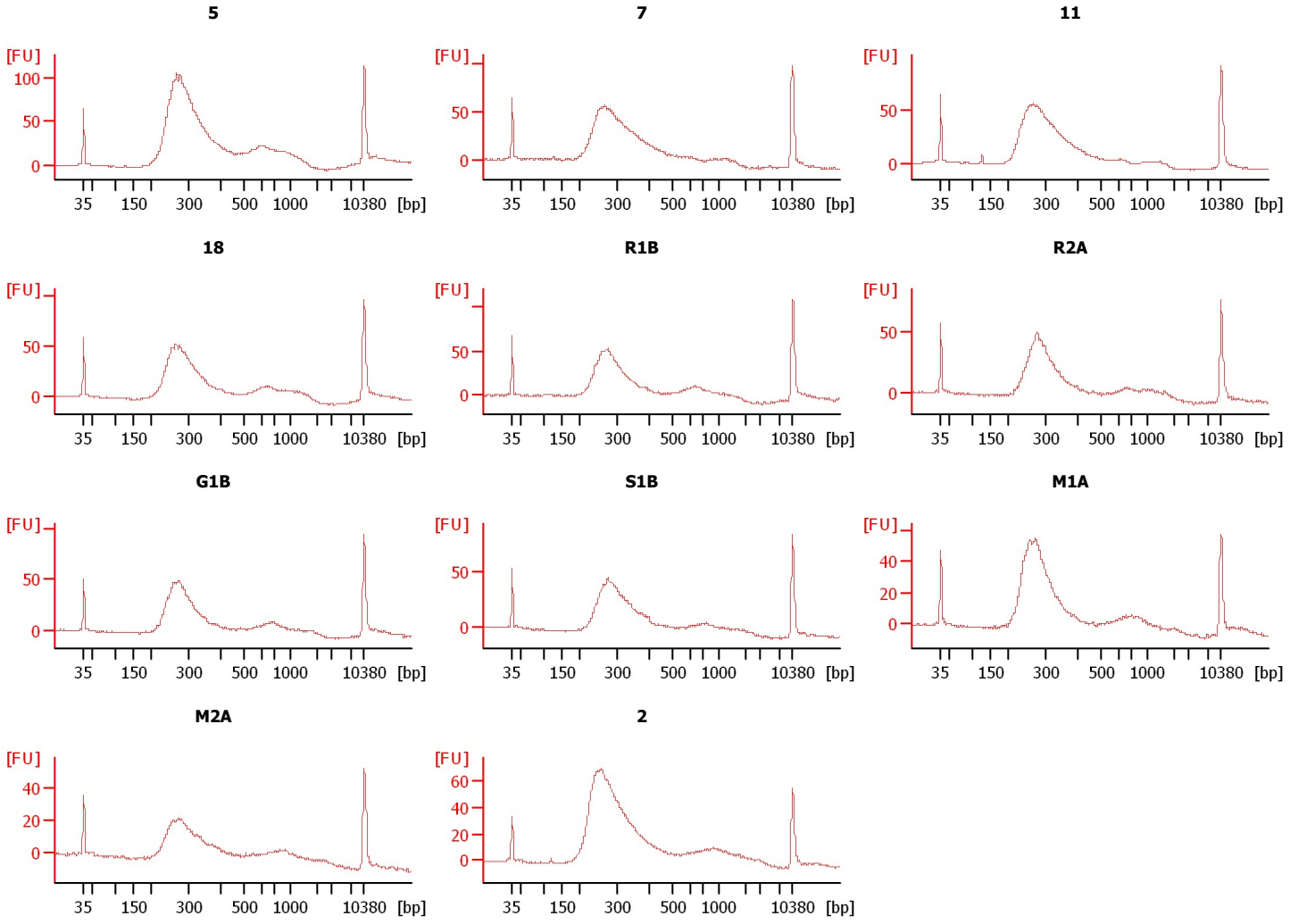
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
 Modified: 8/3/2016 7:55:08 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
5		<input type="checkbox"/>	✓			
7		<input type="checkbox"/>	✓			
11		<input type="checkbox"/>	✓			
18		<input type="checkbox"/>	✓			
R1B		<input type="checkbox"/>	✓			
R2A		<input type="checkbox"/>	✓			
G1B		<input type="checkbox"/>	✓			
S1B		<input type="checkbox"/>	✓			
M1A		<input type="checkbox"/>	✓			
M2A		<input type="checkbox"/>	✓			
2		<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\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
Modified: 8/3/2016 7:55:08 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

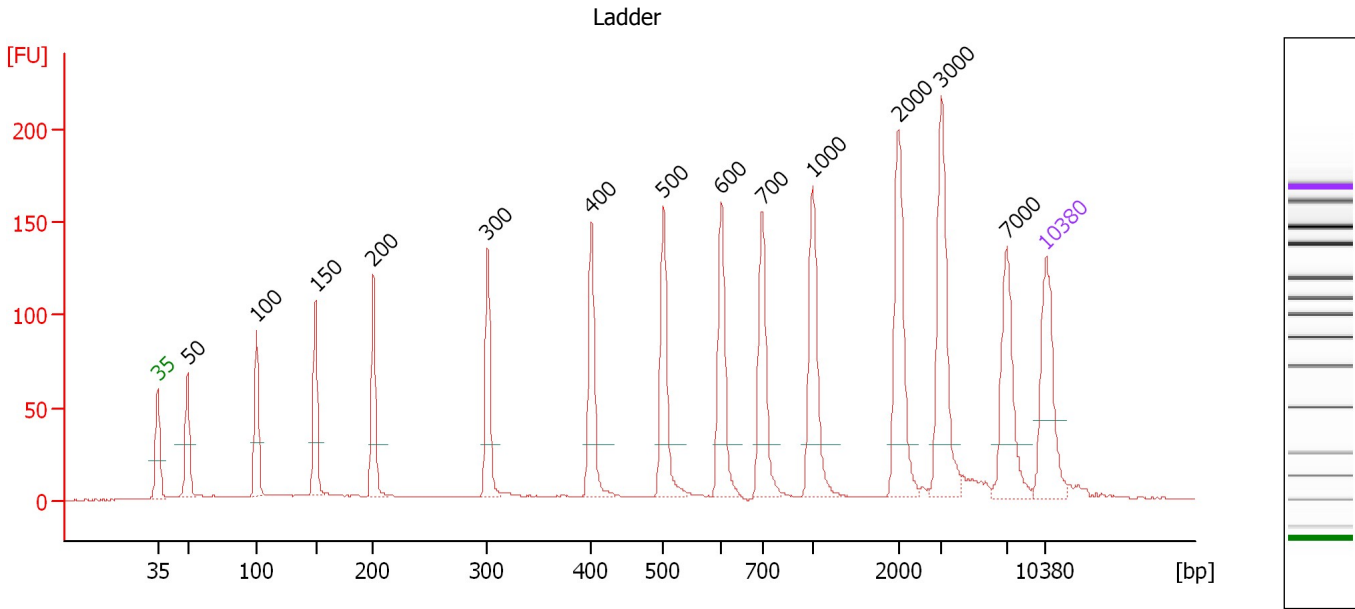
**Ladder**

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\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

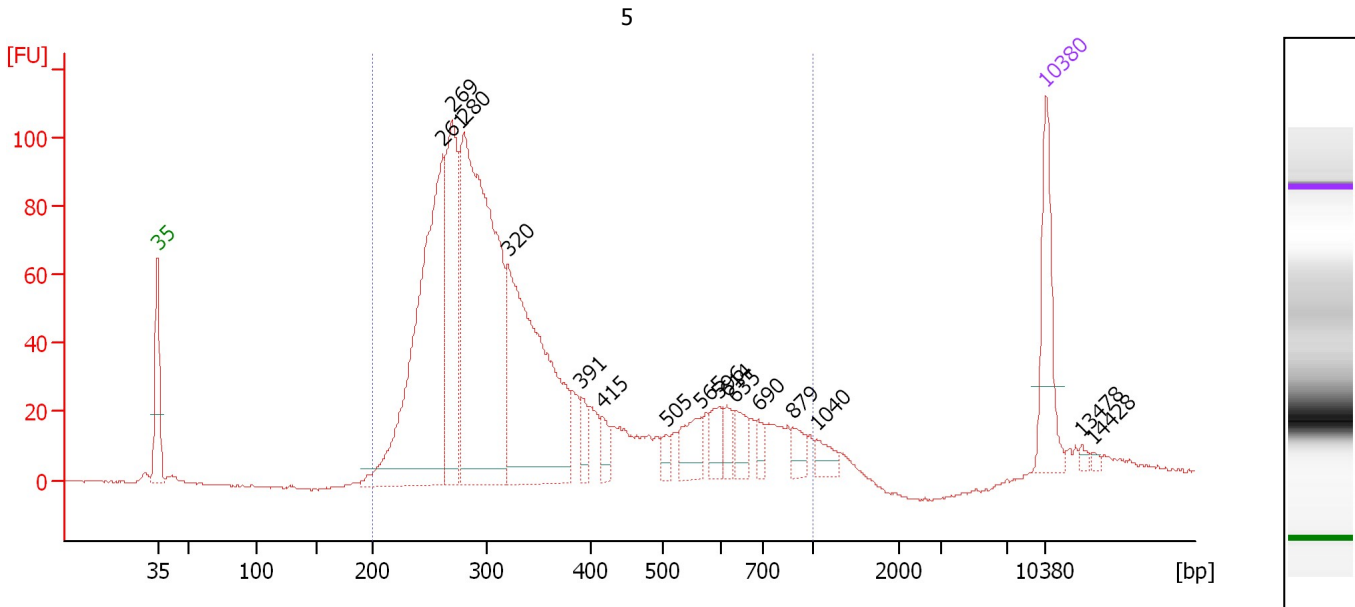
**Peak table for Ladder**

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	45.36
3	100	150.00	2,272.7	Ladder Peak	50.81
4	150	150.00	1,515.2	Ladder Peak	55.45
5	200	150.00	1,136.4	Ladder Peak	60.00
6	300	150.00	757.6	Ladder Peak	69.01
7	400	150.00	568.2	Ladder Peak	77.17
8	500	150.00	454.5	Ladder Peak	82.89
9	600	150.00	378.8	Ladder Peak	87.44
10	700	150.00	324.7	Ladder Peak	90.65
11	1,000	150.00	227.3	Ladder Peak	94.62
12	2,000	150.00	113.6	Ladder Peak	101.36
13	3,000	150.00	75.8	Ladder Peak	104.75
14	7,000	150.00	32.5	Ladder Peak	109.92
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

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 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 5**

Number of peaks found: 16                      Corr. Area 1: 1,610.5  
 Noise: 0.4

**Peak table for sample 1 : 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	261	492.52	2,860.6		65.48
3	269	223.48	1,259.0		66.21
4	280	608.57	3,298.3		67.17
5	320	394.88	1,870.9		70.63
6	391	24.29	94.2		76.41
7	415	19.01	69.4		78.05
8	505	13.65	41.0		83.10
9	565	39.56	106.1		85.83
10	596	26.82	68.2		87.24
11	614	19.03	47.0		87.88
12	635	26.77	63.9		88.56
13	690	14.34	31.5		90.33
14	879	17.30	29.8		93.02
15	1,040	17.44	25.4		94.89
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,478	0.00	0.0		115.82
18	14,428	0.00	0.0		116.69

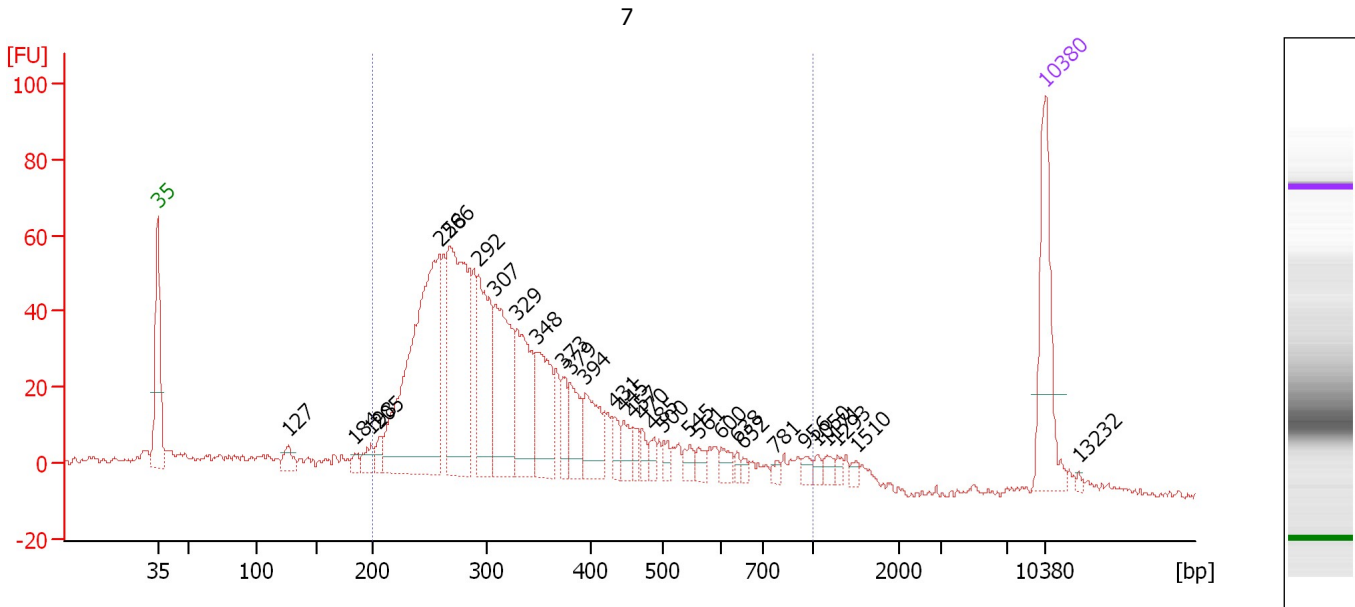
**Region table for sample 1 : 5**

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	362	1,610.5	9,746.6	2,004.64	97	41.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

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 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 7**

Number of peaks found: 31                      Corr. Area 1: 1,155.8  
 Noise: 1.0

**Peak table for sample 2 : 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	127	17.24	205.9		53.30
3	184	8.36	68.8		58.54
4	198	15.72	120.3		59.82
5	205	12.18	90.0		60.45
6	258	325.11	1,908.1		65.24
7	266	217.88	1,239.9		65.97
8	292	115.60	599.7		68.29
9	307	125.28	617.5		69.61
10	329	89.97	414.8		71.35
11	348	74.92	326.0		72.94
12	373	25.68	104.2		74.99
13	379	37.12	148.2		75.49
14	394	51.35	197.2		76.72
15	431	15.25	53.6		78.96
16	445	17.54	59.8		79.73
17	457	11.27	37.4		80.42
18	470	10.45	33.7		81.19
19	485	9.21	28.7		82.06
20	500	9.69	29.4		82.88
21	545	10.36	28.8		84.93
22	561	8.54	23.1		85.66
23	600	10.49	26.5		87.43
24	638	4.95	11.7		88.66
25	652	4.62	10.7		89.12

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad


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 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 2 :** Z

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	781	4.65	9.0		91.72
27	956	6.11	9.7		94.04
28	1,050	5.13	7.4		94.95
29	1,171	6.35	8.2		95.77
30	1,293	3.99	4.7		96.59
31	1,510	4.18	4.2		98.05
32	10,380	75.00	10.9	Upper Marker	113.00
33	13,232	0.00	0.0		115.60

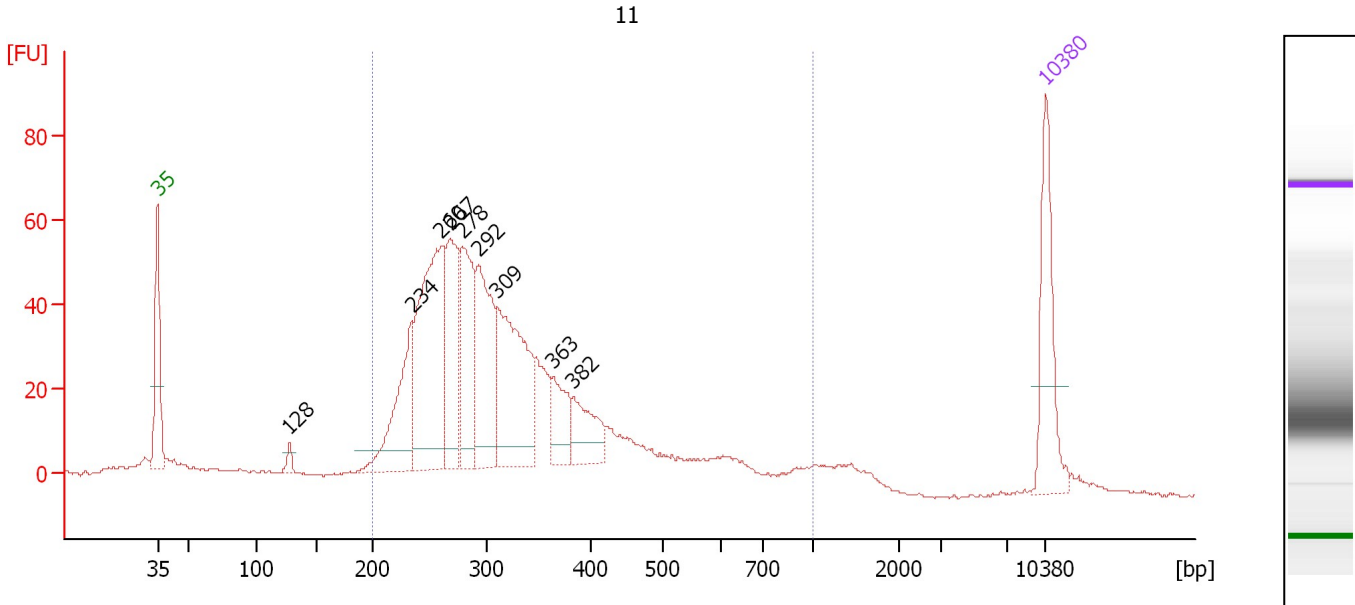
**Region table for sample 2 :** Z

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	351	1,155.8	6,971.8	 1,416.99	85	38.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

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 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 11**

Number of peaks found: 9                      Corr. Area 1: 1,033.6  
 Noise: 0.2

**Peak table for sample 3 : 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	128	10.02	118.9		53.38
3	234	120.93	784.3		63.03
4	260	253.05	1,476.2		65.38
5	267	126.20	715.1		66.07
6	278	130.56	712.5		66.99
7	292	140.19	726.2		68.33
8	309	186.85	917.2		69.72
9	363	47.17	196.9		74.15
10	382	53.54	212.3		75.72
11	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 3 : 11**

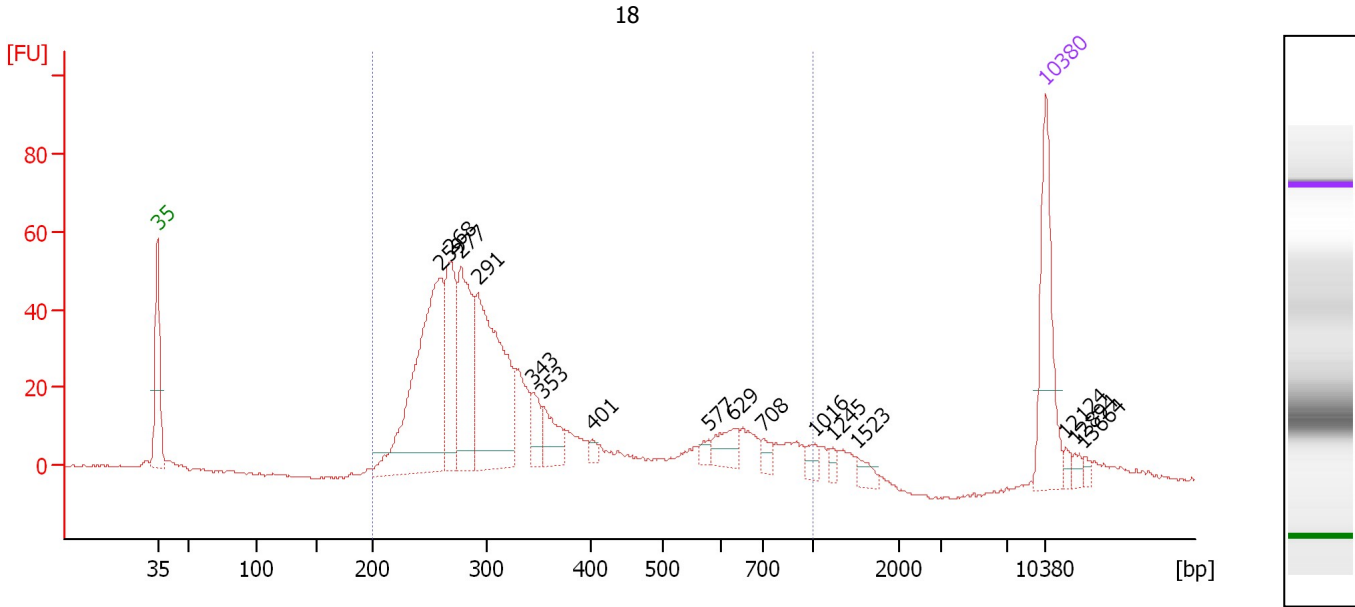
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	336	1,033.6	6,900.2	1,371.46	90	35.6



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

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 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 18**

Number of peaks found: 16                      Corr. Area 1: 775.6  
 Noise: 0.4

**Peak table for sample 4 : 18**

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	259	267.85	1,565.5		65.34
3	268	106.19	601.4		66.08
4	277	128.49	703.1		66.93
5	291	210.96	1,097.0		68.23
6	343	24.74	109.4		72.49
7	353	35.31	151.4		73.37
8	401	5.90	22.3		77.25
9	577	7.27	19.1		86.41
10	629	23.31	56.1		88.37
11	708	8.69	18.6		90.76
12	1,016	9.58	14.3		94.73
13	1,245	5.84	7.1		96.27
14	1,523	9.46	9.4		98.14
15	10,380	75.00	10.9	Upper Marker	113.00
16	12,124	0.00	0.0		114.59
17	12,894	0.00	0.0		115.29
18	13,664	0.00	0.0		115.99

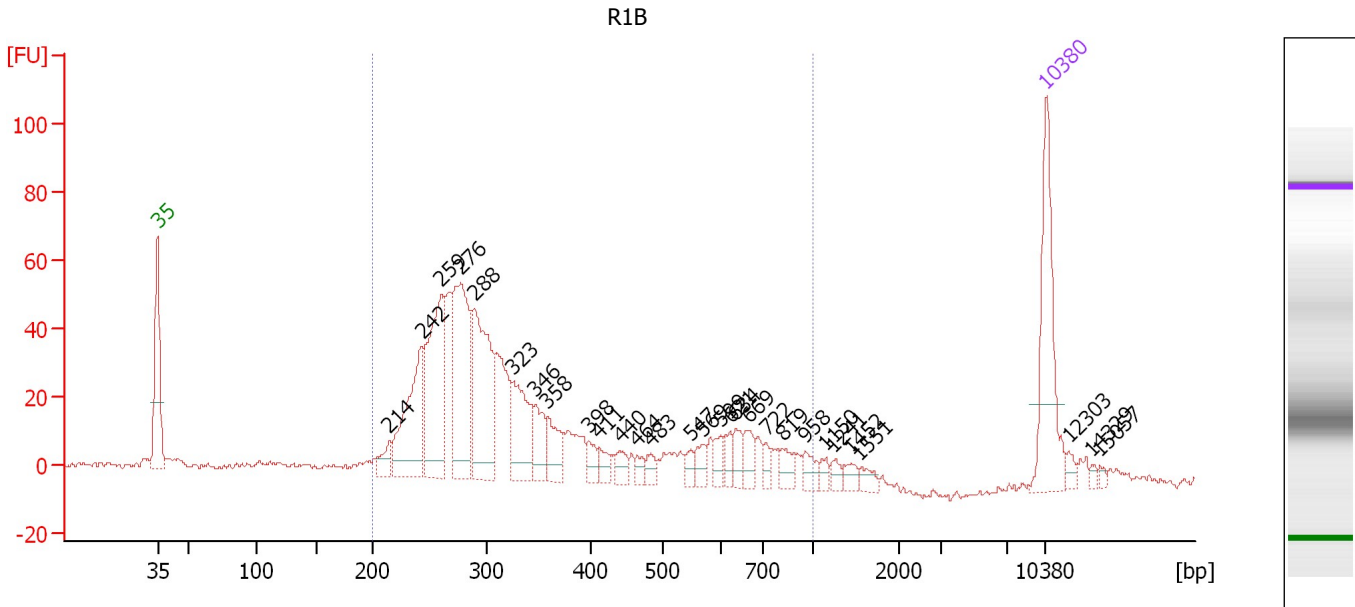
**Region table for sample 4 : 18**

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	358	775.6	4,841.7	975.24	94	44.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

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 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : R1B**

Number of peaks found: 29                      Corr. Area 1: 814.1  
 Noise: 0.9

**Peak table for sample 5 : R1B**

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	214	16.44	116.3		61.27
3	242	104.16	650.9		63.82
4	259	137.07	801.1		65.34
5	276	137.19	752.9		66.85
6	288	128.54	675.9		67.94
7	323	63.62	298.0		70.92
8	346	29.81	130.5		72.77
9	358	29.18	123.6		73.72
10	398	12.39	47.2		76.98
11	411	11.90	43.9		77.79
12	440	12.10	41.7		79.44
13	464	7.28	23.8		80.82
14	483	9.46	29.7		81.90
15	547	8.44	23.4		85.03
16	569	12.53	33.4		86.02
17	599	10.61	26.8		87.39
18	621	10.66	26.0		88.10
19	634	12.99	31.0		88.53
20	669	15.82	35.8		89.67
21	722	7.98	16.7		90.94
22	819	12.79	23.7		92.22
23	958	11.49	18.2		94.07
24	1,150	6.00	7.9		95.63
25	1,241	7.16	8.7		96.25

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
 Modified: 8/3/2016 7:55:08 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 5 :

R1B

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,452	7.22	7.5		97.67
27	1,551	7.32	7.2		98.33
28	10,380	75.00	10.9	Upper Marker	113.00
29	12,303	0.00	0.0		114.75
30	14,329	0.00	0.0		116.60
31	15,057	0.00	0.0		117.26

#### Region table for sample 5 :

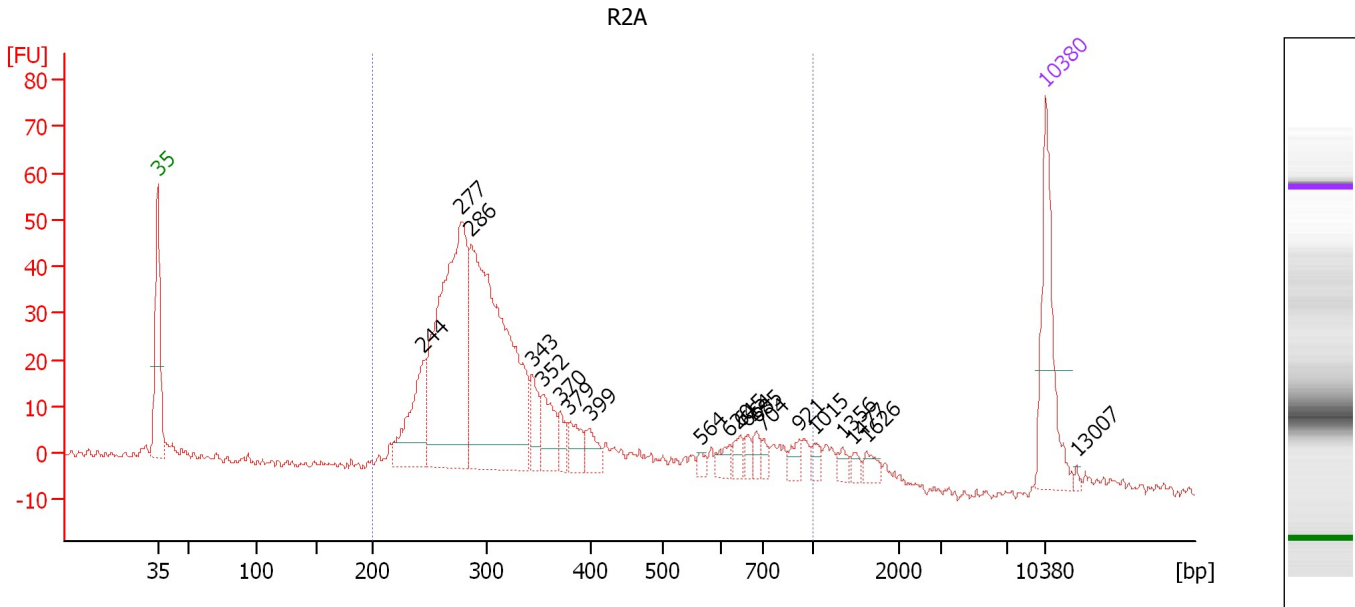
R1B

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	360	814.1	4,423.3	894.51	92	43.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

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 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : R2A**

Number of peaks found: 20                      Corr. Area 1: 673.1  
 Noise: 0.7

**Peak table for sample 6 : R2A**

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	244	89.44	555.5		63.96
3	277	332.05	1,817.3		66.92
4	286	391.72	2,076.2		67.74
5	343	33.55	148.2		72.52
6	352	38.73	166.5		73.29
7	370	17.51	71.7		74.72
8	379	24.55	98.2		75.44
9	399	19.90	75.6		77.07
10	564	6.29	16.9		85.78
11	620	11.21	27.4		88.07
12	645	11.25	26.4		88.89
13	664	8.24	18.8		89.51
14	685	9.20	20.3		90.18
15	704	7.33	15.8		90.70
16	921	9.41	15.5		93.57
17	1,015	7.77	11.6		94.72
18	1,356	6.46	7.2		97.02
19	1,477	5.91	6.1		97.83
20	1,626	9.09	8.5		98.84
21	10,380	75.00	10.9	Upper Marker	113.00
22	13,007	0.00	0.0		115.39

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**

... Region table for sample 6 :

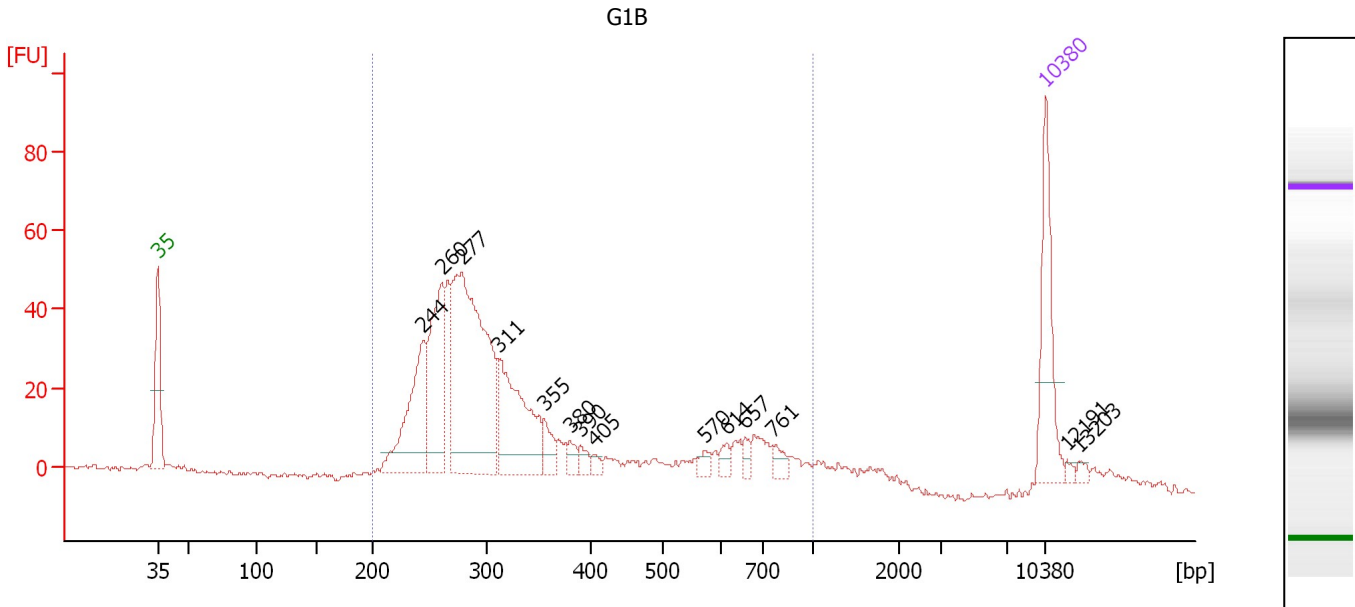
R2A

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	361	673.1	5,236.3	1,073.42	92	43.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : G1B**

Number of peaks found: 14                      Corr. Area 1: 690.4  
 Noise: 0.7

**Peak table for sample 7 : G1B**

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	244	138.61	861.0		63.96
3	260	143.27	834.7		65.41
4	277	354.94	1,939.4		66.96
5	311	148.76	724.3		69.92
6	355	22.28	95.2		73.46
7	380	13.19	52.7		75.50
8	390	11.75	45.7		76.33
9	405	7.00	26.2		77.44
10	570	9.27	24.6		86.08
11	614	10.60	26.2		87.87
12	657	8.73	20.1		89.28
13	761	12.39	24.6		91.46
14	10,380	75.00	10.9	Upper Marker	113.00
15	12,191	0.00	0.0		114.65
16	13,203	0.00	0.0		115.57

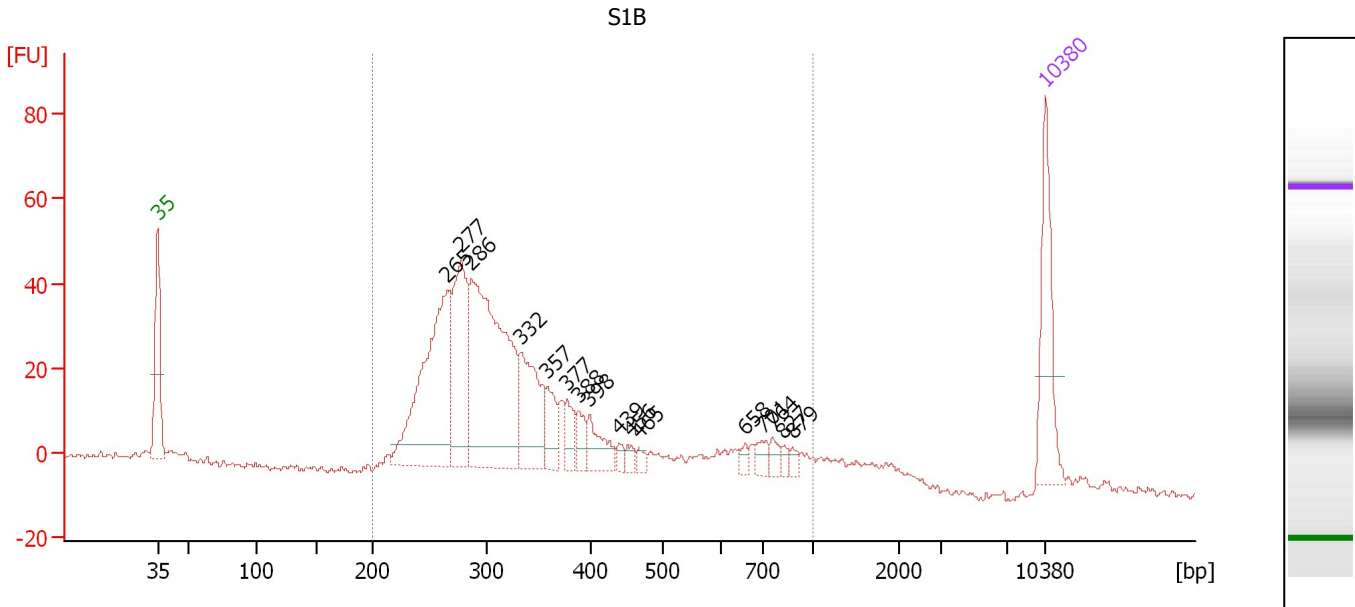
**Region table for sample 7 : G1B**

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	356	690.4	5,229.2	1,050.45	94	43.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : S1B**

Number of peaks found: 16                      Corr. Area 1: 731.9  
 Noise: 0.7

**Peak table for sample 8 : S1B**

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	265	261.06	1,494.5		65.83
3	277	147.39	805.7		66.96
4	286	337.20	1,786.9		67.74
5	332	104.97	479.1		71.62
6	357	37.53	159.2		73.68
7	377	26.05	104.7		75.30
8	388	20.73	81.0		76.18
9	398	35.05	133.4		77.02
10	439	7.50	25.9		79.37
11	456	8.63	28.7		80.36
12	465	7.75	25.2		80.90
13	658	7.28	16.8		89.29
14	701	13.26	28.6		90.66
15	764	10.14	20.1		91.50
16	827	6.10	11.2		92.33
17	879	6.24	10.8		93.02
18	10,380	75.00	10.9	Upper Marker	113.00

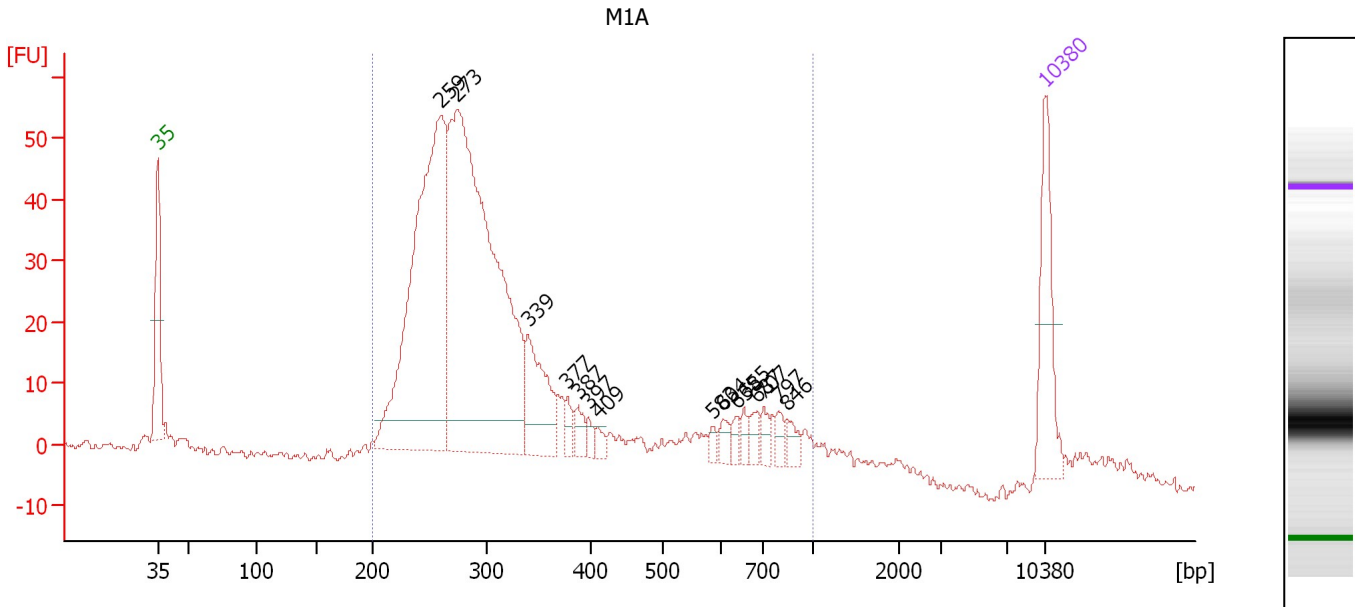
**Region table for sample 8 : S1B**

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	367	731.9	5,576.1	1,166.25	92	41.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : M1A**

Number of peaks found: 15                      Corr. Area 1: 818.5  
 Noise: 0.6

**Peak table for sample 9 : M1A**

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	259	544.10	3,183.9		65.31
3	273	735.53	4,078.7		66.60
4	339	96.72	432.2		72.20
5	377	14.12	56.8		75.27
6	387	15.92	62.3		76.12
7	397	8.78	33.5		76.91
8	409	9.26	34.3		77.70
9	583	7.92	20.6		86.68
10	604	11.97	30.0		87.57
11	638	9.21	21.9		88.66
12	655	10.30	23.8		89.20
13	687	13.66	30.1		90.25
14	707	13.80	29.6		90.74
15	797	11.38	21.6		91.93
16	846	13.47	24.1		92.58
17	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 9 : M1A**

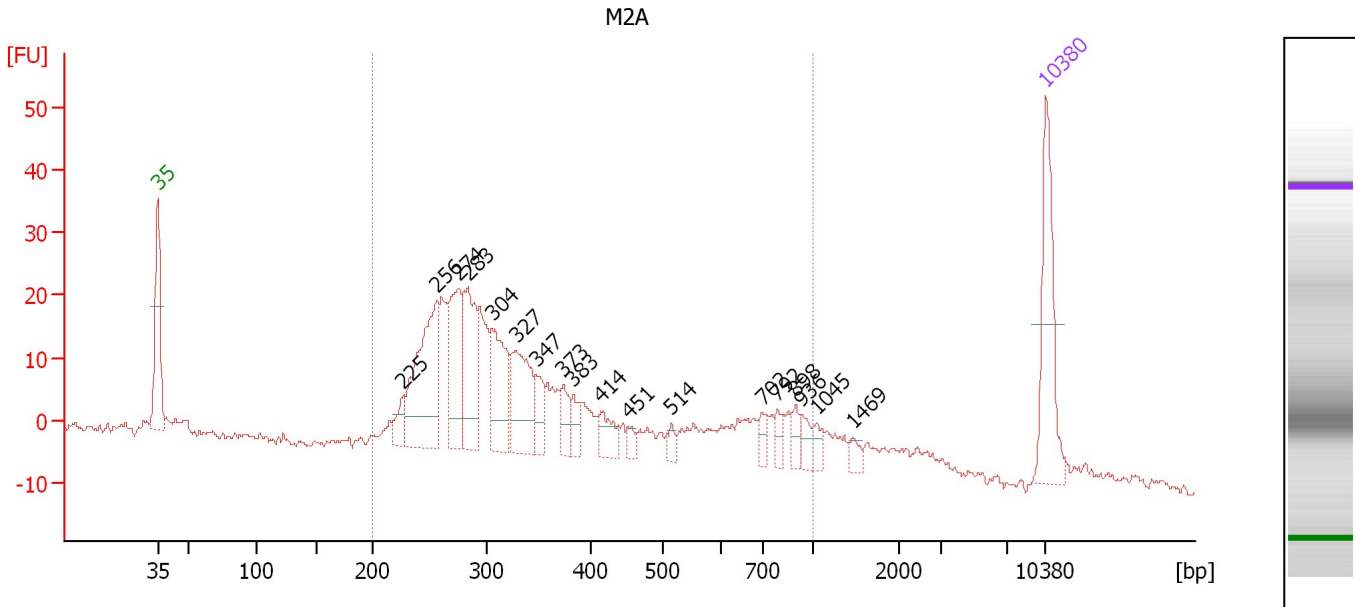
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	351	818.5	8,654.2	1,707.98	92	44.9



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : M2A**

Number of peaks found: 18                      Corr. Area 1: 468.5  
 Noise: 0.6

**Peak table for sample 10 : M2A**

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	225	20.11	135.3		62.28
3	256	145.69	862.8		65.03
4	274	93.60	517.3		66.68
5	283	90.12	483.3		67.43
6	304	78.55	391.5		69.34
7	327	84.28	390.1		71.24
8	347	23.39	102.2		72.84
9	373	20.08	81.5		75.00
10	383	17.21	68.2		75.75
11	414	24.01	88.0		77.95
12	451	8.64	29.0		80.10
13	514	7.75	22.9		83.51
14	702	12.45	26.9		90.67
15	792	10.68	20.4		91.87
16	898	10.81	18.2		93.27
17	936	12.33	20.0		93.77
18	1,045	8.72	12.6		94.92
19	1,469	7.95	8.2		97.78
20	10,380	75.00	10.9	Upper Marker	113.00

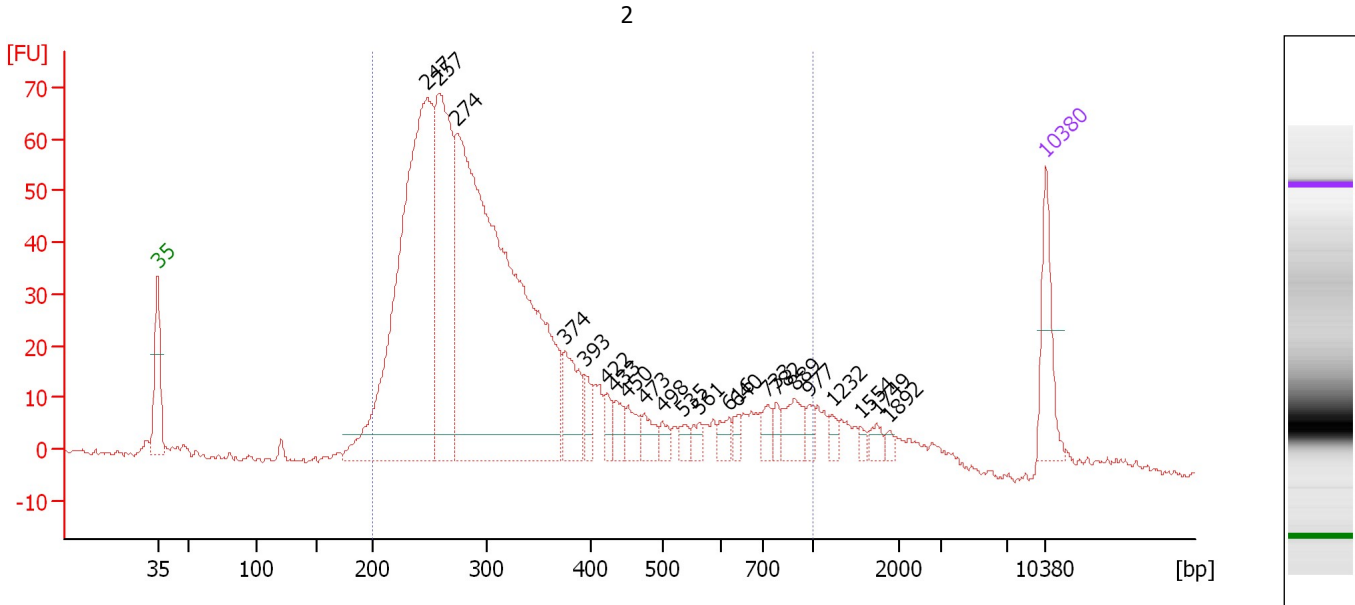
**Region table for sample 10 : M2A**

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	398	468.5	4,638.3	995.44	86	46.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
 Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 2**

Number of peaks found: 22                      Corr. Area 1: 1,269.6  
 Noise: 0.7

**Peak table for sample 11 : 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	247	939.50	5,755.6		64.26
3	257	437.63	2,576.0		65.17
4	274	1,338.23	7,409.3		66.64
5	374	96.51	391.4		75.02
6	393	31.42	121.0		76.64
7	422	23.79	85.3		78.45
8	433	29.09	101.8		79.06
9	450	31.46	106.0		80.02
10	473	31.26	100.2		81.33
11	498	18.01	54.8		82.75
12	535	15.23	43.1		84.46
13	561	16.76	45.3		85.68
14	616	19.36	47.6		87.95
15	640	14.69	34.8		88.71
16	733	23.19	48.0		91.08
17	782	15.89	30.8		91.74
18	889	42.78	72.9		93.15
19	977	16.77	26.0		94.31
20	1,232	11.74	14.4		96.18
21	1,554	8.53	8.3		98.35
22	1,749	14.03	12.2		99.67
23	1,892	7.50	6.0		100.63
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
Modified: 8/3/2016 7:55:08 PM

**Electropherogram Summary Continued ...**

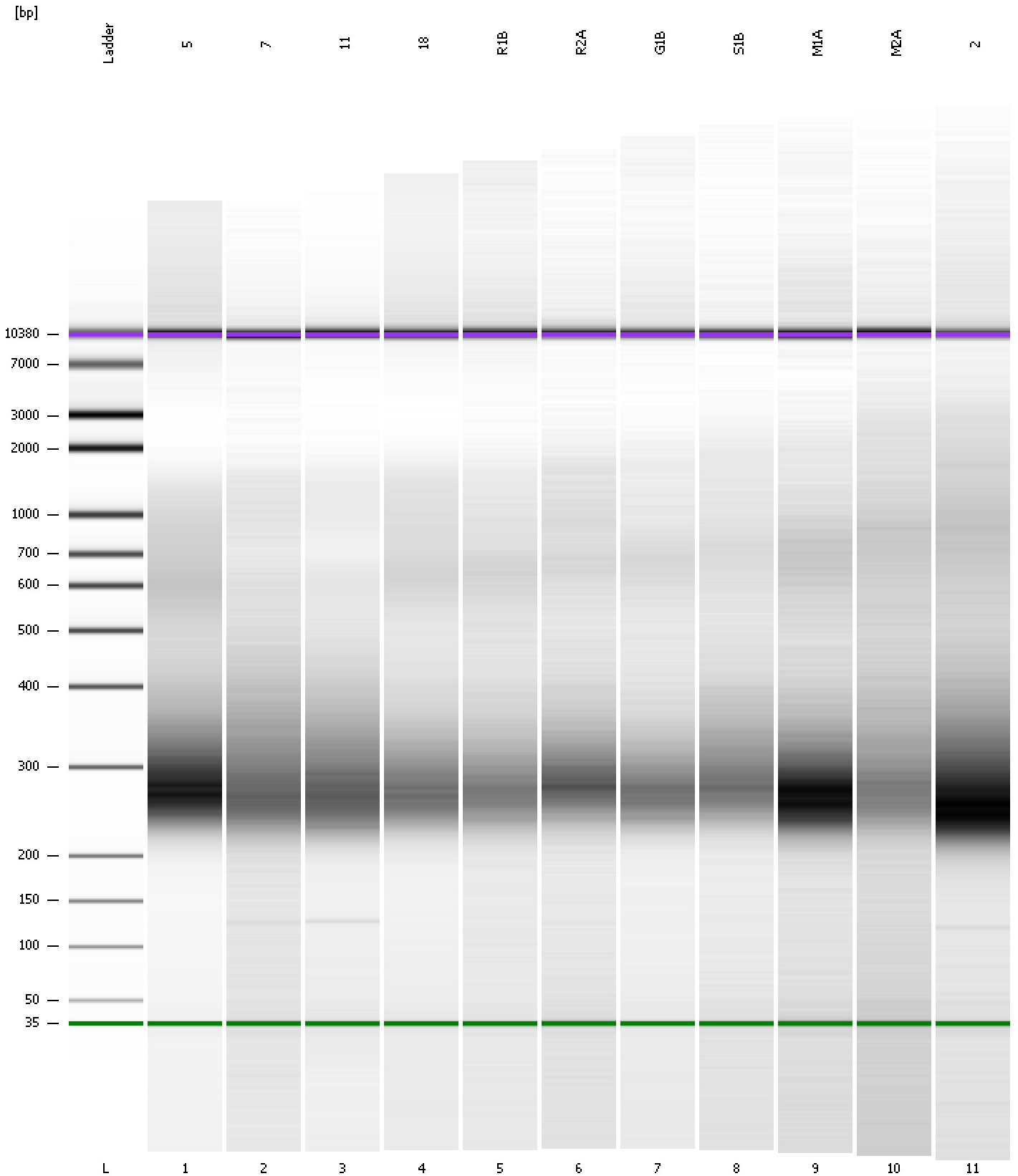
... Region table for sample 11 : 2

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	358	1,269.6	16,934.6	 3,362.50	84	45.4

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad

Created: 8/3/2016 7:14:41 PM  
Modified: 8/3/2016 7:55:08 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay Created: 8/3/2016 7:14:41 PM  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-03\2016-08-03\_004.xad Modified: 8/3/2016 7:55:08 PM

**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		8/3/2016 7:55:07 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\2016-08-03\2016-08-03_004.xad)		Instrument	Run		8/3/2016 7:14:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/3/2016 7:14:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/3/2016 7:14:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/3/2016 7:14:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/3/2016 7:14:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/3/2016 7:14:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/3/2016 7:14:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1