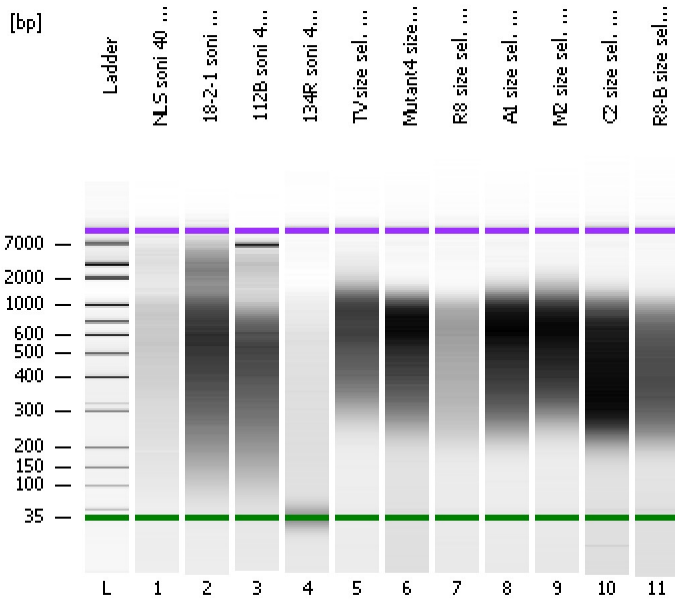


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

Created: 3/11/2016 9:46:29 AM  
Modified: 3/11/2016 11:36:23 AM

Electrophoresis File Run Summary



Instrument Information:

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

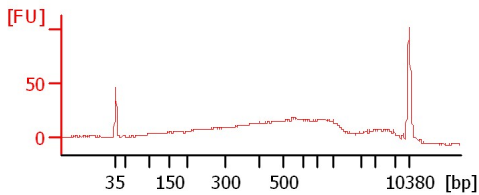
Assay Information:

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

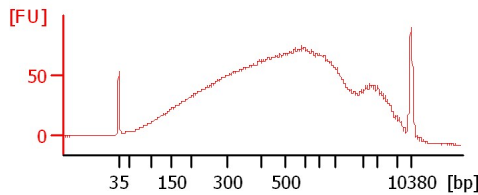
Chip Information:

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

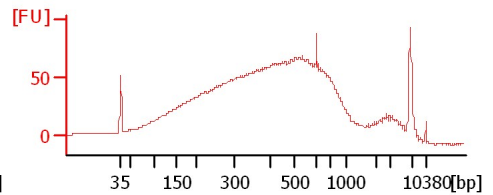
NLS soni 40 sec



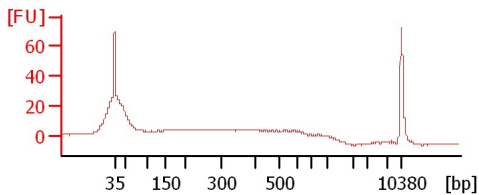
18-2-1 soni 40 sec



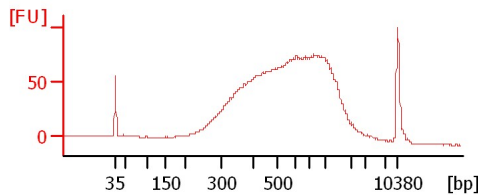
112B soni 40 sec



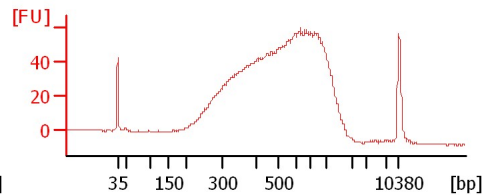
134R soni 40 sec



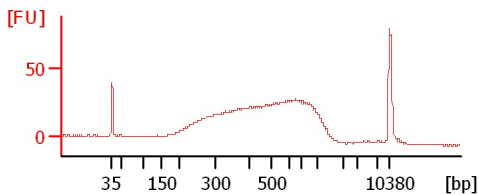
TV size sel. soni gDNA



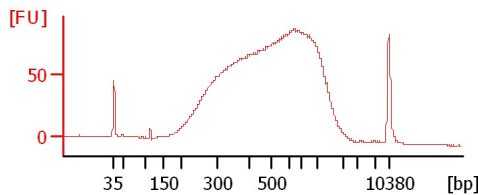
Mutant4 size sel. soni gDNA



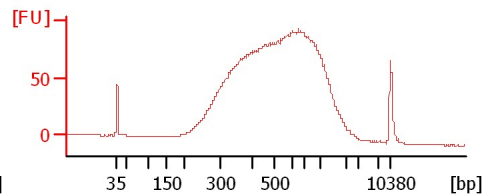
R8 size sel. soni gDNA



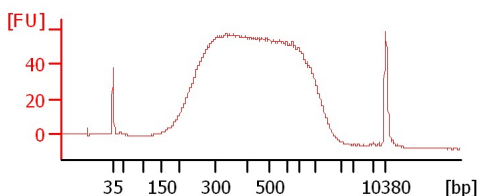
A1 size sel. soni gDNA



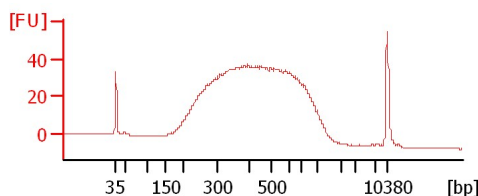
M2 size sel. soni gDNA



C2 size sel. soni gDNA



R8-B size sel. soni gDNA



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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Modified: 3/11/2016 11:36:23 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
NLS soni 40 sec		<input type="checkbox"/>	✓			
18-2-1 soni 40 sec		<input type="checkbox"/>	✓			
112B soni 40 sec		<input type="checkbox"/>	✓			
134R soni 40 sec		<input type="checkbox"/>	✓			
TV size sel. soni gDNA		<input type="checkbox"/>	✓			
Mutant4 size sel. soni gDNA		<input type="checkbox"/>	✓			
R8 size sel. soni gDNA		<input type="checkbox"/>	✓			
A1 size sel. soni gDNA		<input type="checkbox"/>	✓			
M2 size sel. soni gDNA		<input type="checkbox"/>	✓			
C2 size sel. soni gDNA		<input type="checkbox"/>	✓			
R8-B size sel. soni gDNA		<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\2016-03-11\2016-03-11\_001.xad

Created: 3/11/2016 9:46:29 AM  
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**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

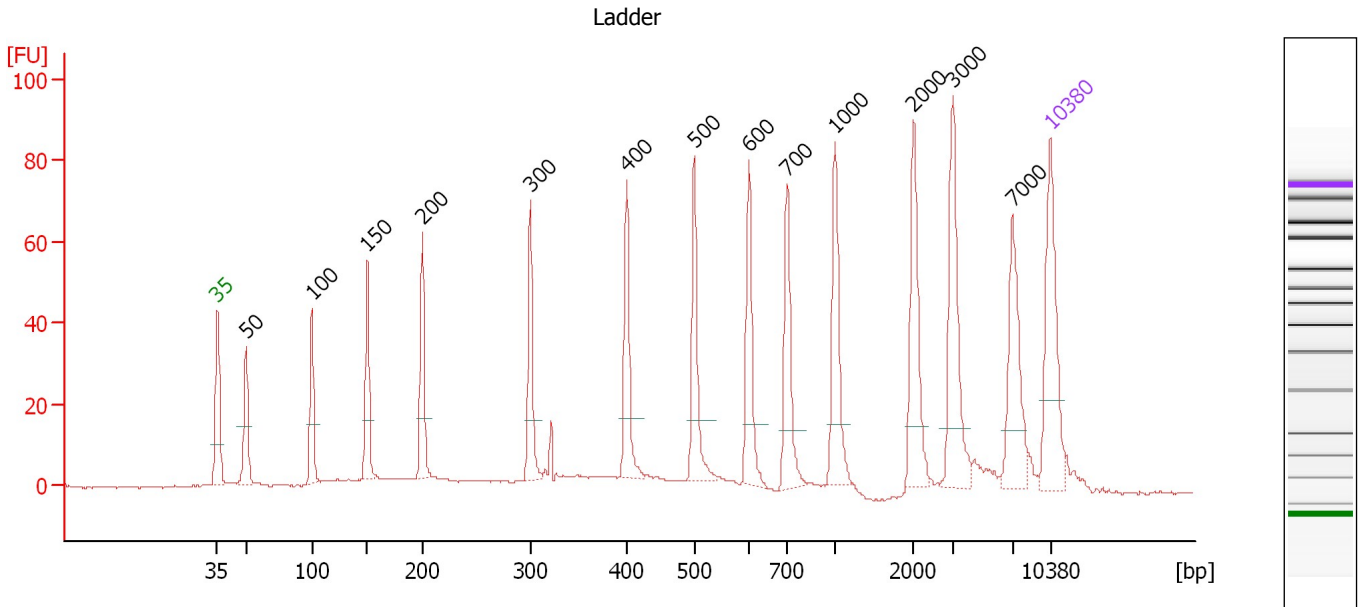
**Ladder**

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\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

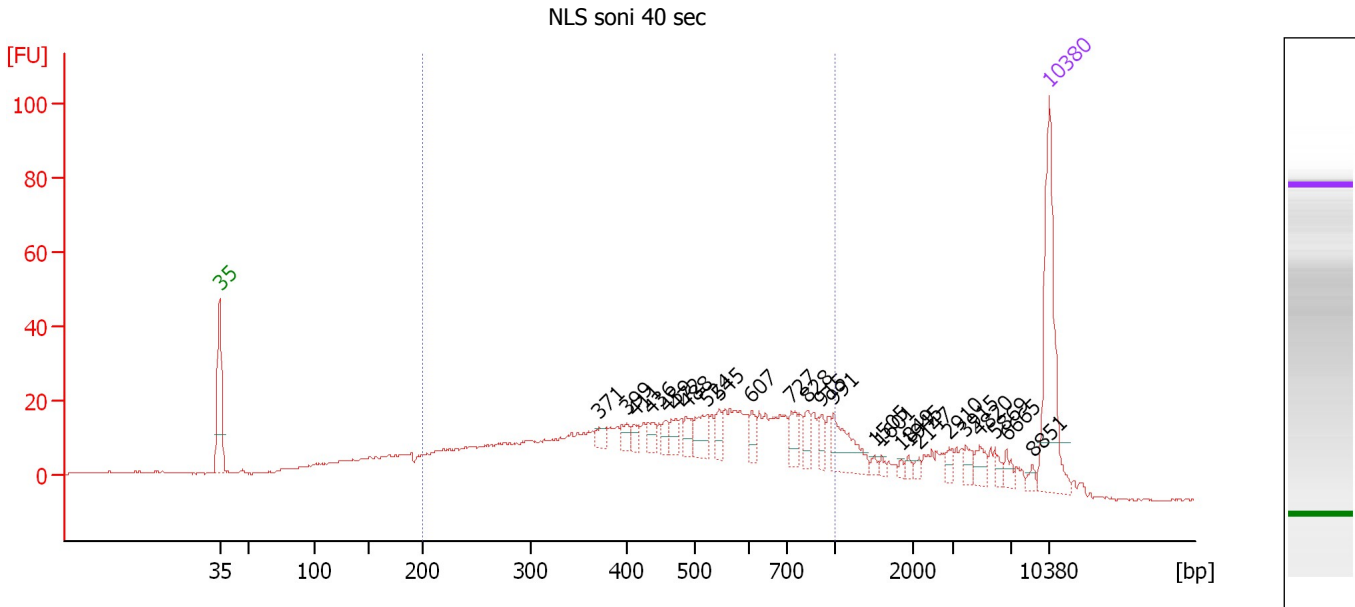
**Peak table for Ladder**

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	45.42
3	100	150.00	2,272.7	Ladder Peak	50.93
4	150	150.00	1,515.2	Ladder Peak	55.59
5	200	150.00	1,136.4	Ladder Peak	60.21
6	300	150.00	757.6	Ladder Peak	69.31
7	400	150.00	568.2	Ladder Peak	77.42
8	500	150.00	454.5	Ladder Peak	83.06
9	600	150.00	378.8	Ladder Peak	87.68
10	700	150.00	324.7	Ladder Peak	90.91
11	1,000	150.00	227.3	Ladder Peak	94.94
12	2,000	150.00	113.6	Ladder Peak	101.48
13	3,000	150.00	75.8	Ladder Peak	104.84
14	7,000	150.00	32.5	Ladder Peak	109.82
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : NLS soni 40 sec**

Number of peaks found: 25                      Corr. Area 1: 681.0  
 Noise: 0.2

**Peak table for sample 1 : NLS soni 40 sec**

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	371	8.14	33.2		75.08
3	399	8.58	32.5		77.37
4	411	7.40	27.3		78.04
5	436	9.45	32.9		79.44
6	459	7.31	24.1		80.74
7	472	10.28	33.0		81.51
8	488	11.49	35.7		82.36
9	524	20.58	59.5		84.16
10	545	10.39	28.9		85.15
11	607	9.96	24.9		87.90
12	727	13.88	28.9		91.27
13	828	10.58	19.4		92.62
14	915	8.81	14.6		93.79
15	991	31.02	47.4		94.83
16	1,505	2.85	2.9		98.24
17	1,601	2.46	2.3		98.87
18	1,849	2.00	1.6		100.49
19	1,945	2.60	2.0		101.12
20	2,147	2.98	2.1		101.98
21	2,910	4.88	2.5		104.54
22	3,915	5.85	2.3		105.98
23	4,820	8.93	2.8		107.11
24	5,869	4.72	1.2		108.41
25	6,665	5.88	1.3		109.40

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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### Electropherogram Summary Continued ...

#### ... Peak table for sample 1 : NLS soni 40 sec

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	8,851	3.47	0.6		111.56
27	10,380	75.00	10.9	Upper Marker	113.00

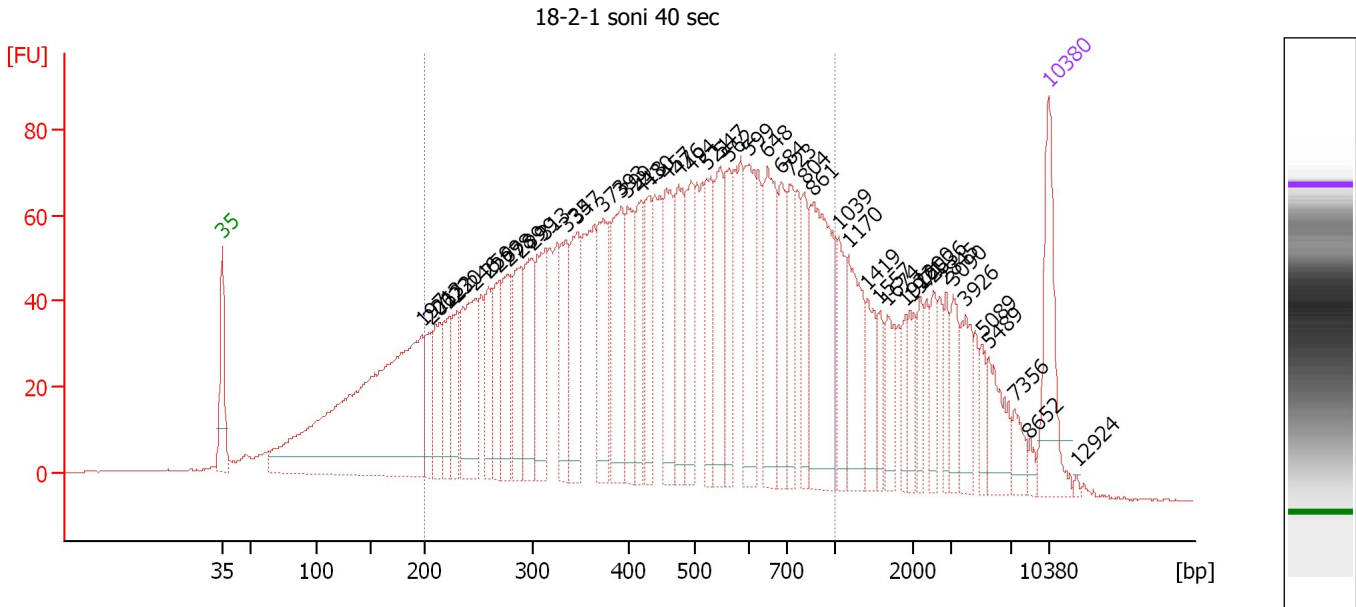
#### Region table for sample 1 : NLS soni 40 sec

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
200	1,000	500	681.0	3,045.1	797.03	68	39.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 18-2-1 soni 40 sec**

Number of peaks found: 48                      Corr. Area 1: 2,702.1  
 Noise: 0.1

**Peak table for sample 2 : 18-2-1 soni 40 sec**

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	197	609.16	4,693.0		59.90
3	206	52.75	388.8		60.71
4	213	74.31	528.5		61.39
5	222	59.73	407.7		62.21
6	230	60.67	399.9		62.93
7	246	140.19	862.4		64.42
8	259	60.31	353.2		65.55
9	269	74.21	418.5		66.45
10	278	79.90	436.1		67.27
11	289	80.27	420.8		68.31
12	299	99.88	505.4		69.26
13	313	104.74	507.4		70.34
14	335	86.03	389.1		72.15
15	347	94.79	414.2		73.10
16	373	99.58	404.6		75.22
17	393	120.80	465.8		76.85
18	399	80.78	306.7		77.34
19	418	58.52	212.2		78.43
20	430	68.53	241.5		79.11
21	457	96.01	318.2		80.64
22	476	91.15	290.4		81.68
23	494	82.15	252.0		82.72
24	521	80.92	235.3		84.03
25	547	84.07	232.7		85.25

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : 18-2-1 soni 40 sec**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	562	65.34	176.1		85.93
27	599	96.13	243.0		87.65
28	648	117.18	274.0		89.23
29	684	63.46	140.5		90.40
30	723	58.73	123.0		91.22
31	804	54.00	101.8		92.30
32	861	162.56	286.1		93.07
33	1,039	48.11	70.2		95.19
34	1,170	82.33	106.6		96.05
35	1,419	39.19	41.8		97.68
36	1,557	22.70	22.1		98.58
37	1,674	33.11	30.0		99.35
38	1,916	20.84	16.5		100.93
39	1,971	22.87	17.6		101.30
40	2,200	22.24	15.3		102.15
41	2,536	24.57	14.7		103.28
42	2,845	21.96	11.7		104.32
43	3,090	29.90	14.7		104.96
44	3,926	39.07	15.1		106.00
45	5,089	17.68	5.3		107.44
46	5,489	41.88	11.6		107.94
47	7,356	18.18	3.7		110.15
48	8,652	6.16	1.1		111.37
49	10,380	75.00	10.9	Upper Marker	113.00
50	12,924	0.00	0.0		115.40

**Region table for sample 2 : 18-2-1 soni 40 sec**

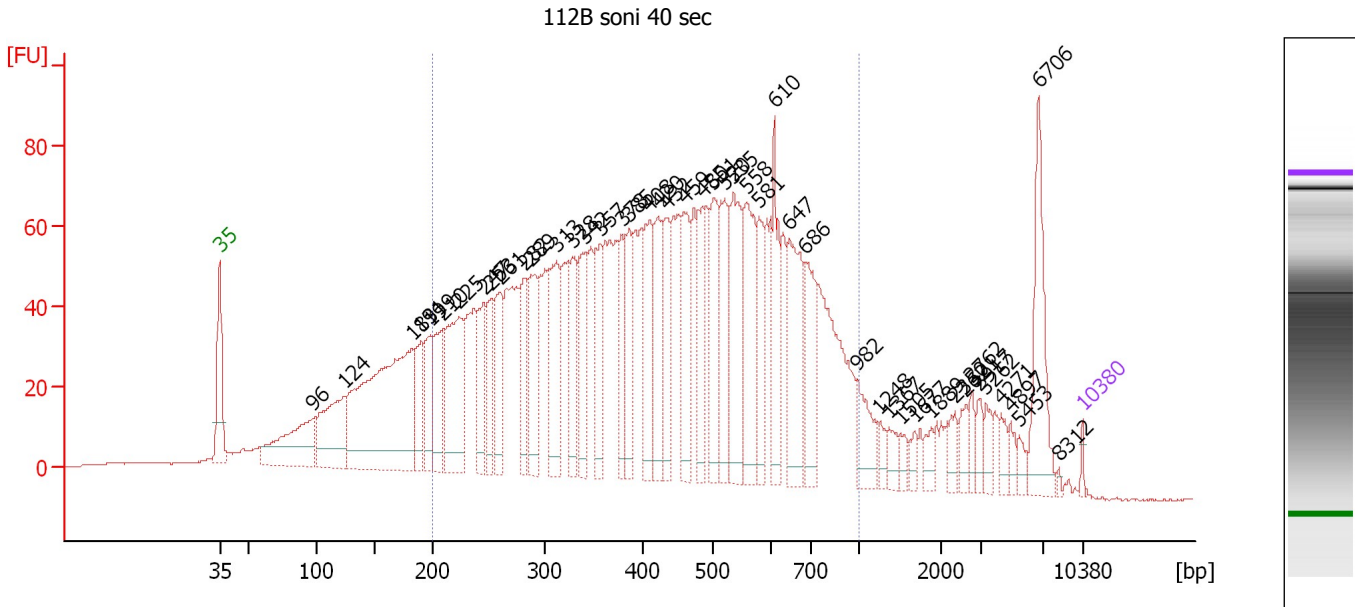
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	479	2,702.1	13,142.5	3,313.11	70	39.7



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 112B soni 40 sec**

Number of peaks found: 47                      Corr. Area 1: 2,583.7  
 Noise: 0.2

**Peak table for sample 3 : 112B soni 40 sec**

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	96	2,797.62	44,001.9		50.53
3	124	2,619.96	32,140.1		53.12
4	183	7,797.86	64,643.8		58.62
5	199	1,243.78	9,880.2		59.35
6	199	1,446.94	11,033.2		60.09
7	210	1,535.87	11,076.2		61.13
8	225	3,018.92	20,343.9		62.47
9	247	1,409.23	8,654.5		64.46
10	253	1,258.65	7,526.6		65.06
11	261	1,551.51	9,007.4		65.76
12	282	1,215.45	6,521.6		67.70
13	289	1,702.24	8,923.1		68.31
14	313	2,071.86	10,019.4		70.39
15	328	1,408.47	6,501.4		71.60
16	342	1,585.37	7,032.3		72.68
17	357	1,397.22	5,938.1		73.89
18	378	1,201.98	4,813.1		75.66
19	385	1,207.51	4,748.2		76.23
20	408	1,766.80	6,560.9		77.87
21	420	1,497.33	5,398.1		78.56
22	432	1,304.56	4,577.9		79.21
23	459	1,583.16	5,230.7		80.73
24	485	1,396.01	4,357.5		82.24
25	501	1,608.69	4,866.1		83.11

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 3 : 112B soni 40 sec**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	520	1,654.10	4,823.0		83.97
27	535	2,250.33	6,377.5		84.66
28	558	2,105.21	5,715.7		85.74
29	581	1,103.63	2,880.3		86.78
30	610	1,540.30	3,827.6		87.99
31	647	2,141.81	5,013.6		89.21
32	686	1,521.69	3,360.2		90.46
33	982	839.84	1,295.6		94.70
34	1,248	220.27	267.5		96.56
35	1,367	303.48	336.5		97.34
36	1,505	168.97	170.1		98.25
37	1,677	177.87	160.7		99.37
38	1,889	242.46	194.5		100.76
39	2,350	280.85	181.1		102.66
40	2,621	295.42	170.8		103.57
41	2,762	252.13	138.3		104.04
42	2,917	262.60	136.4		104.56
43	3,262	264.25	122.7		105.17
44	4,271	259.36	92.0		106.42
45	4,897	206.36	63.9		107.20
46	5,453	189.85	52.7		107.89
47	6,706	1,679.68	379.5		109.45
48	8,312	48.17	8.8		111.05
49	10,380	75.00	10.9	Upper Marker	113.00

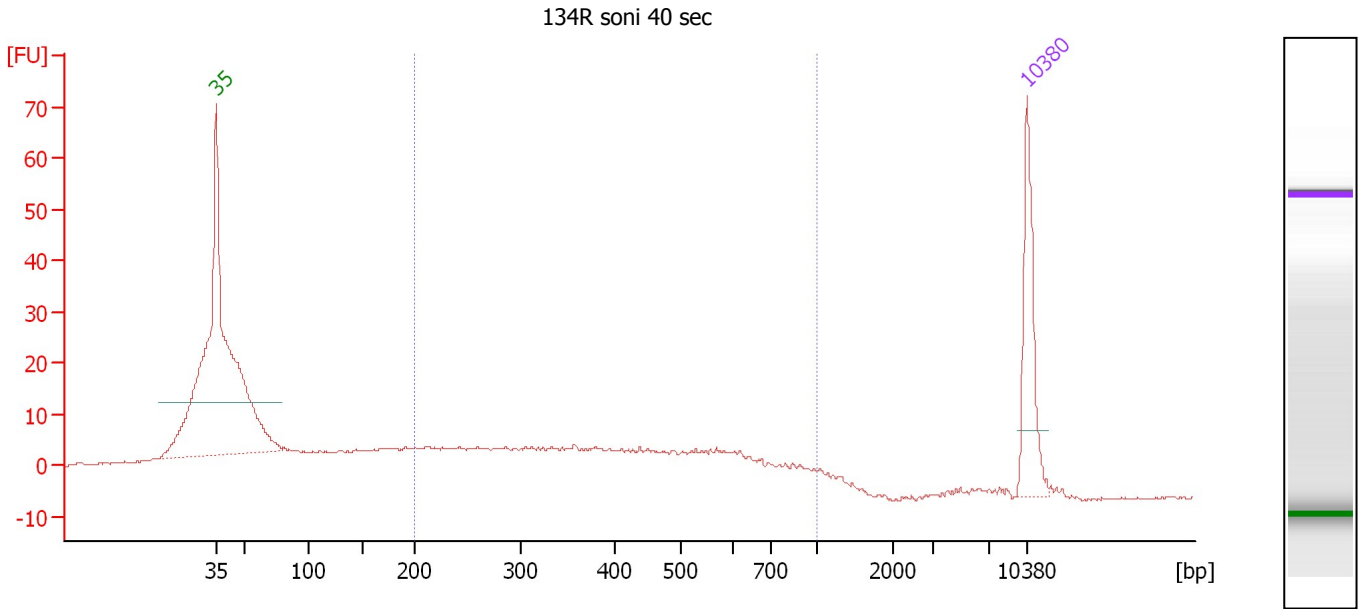
**Region table for sample 3 : 112B soni 40 sec**

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	454	2,583.7	279,059.6	68,101.05	73	37.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 134R soni 40 sec**

Number of peaks found: 0                      Corr. Area 1: 255.8  
 Noise: 0.2

**Peak table for sample 4 : 134R soni 40 sec**

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	10,380	75.00	10.9	Upper Marker	113.00

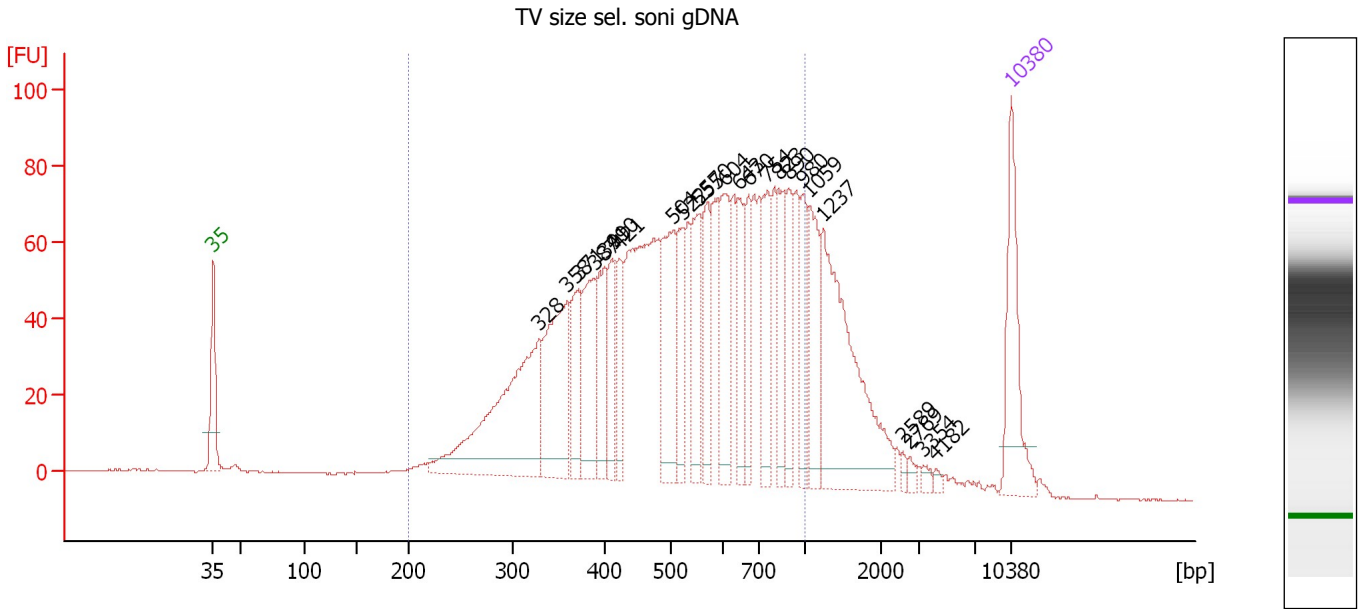
**Region table for sample 4 : 134R soni 40 sec**

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	255.8	1,827.9	424.11	69	40.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : TV size sel. soni gDNA**

Number of peaks found: 24                      Corr. Area 1: 2,076.2  
 Noise: 0.2

**Peak table for sample 5 : TV size sel. soni gDNA**

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	328	262.43	1,212.5		71.57
3	358	151.77	641.5		74.05
4	371	72.55	296.6		75.03
5	387	90.91	355.7		76.39
6	399	66.07	250.6		77.37
7	410	50.52	186.7		77.98
8	421	50.68	182.2		78.63
9	504	110.60	332.3		83.26
10	522	56.94	165.1		84.10
11	555	75.97	207.4		85.60
12	570	61.70	164.0		86.30
13	604	88.63	222.5		87.80
14	643	49.68	117.1		89.06
15	670	50.06	113.2		89.95
16	754	68.67	138.0		91.63
17	823	52.04	95.8		92.57
18	890	53.70	91.5		93.45
19	980	49.70	76.8		94.67
20	1,059	69.68	99.7		95.32
21	1,237	203.06	248.6		96.49
22	2,589	4.38	2.6		103.46
23	2,769	4.51	2.5		104.07
24	3,354	4.90	2.2		105.28
25	4,182	3.54	1.3		106.31

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...****... Peak table for sample 5 : TV size sel. soni gDNA**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00

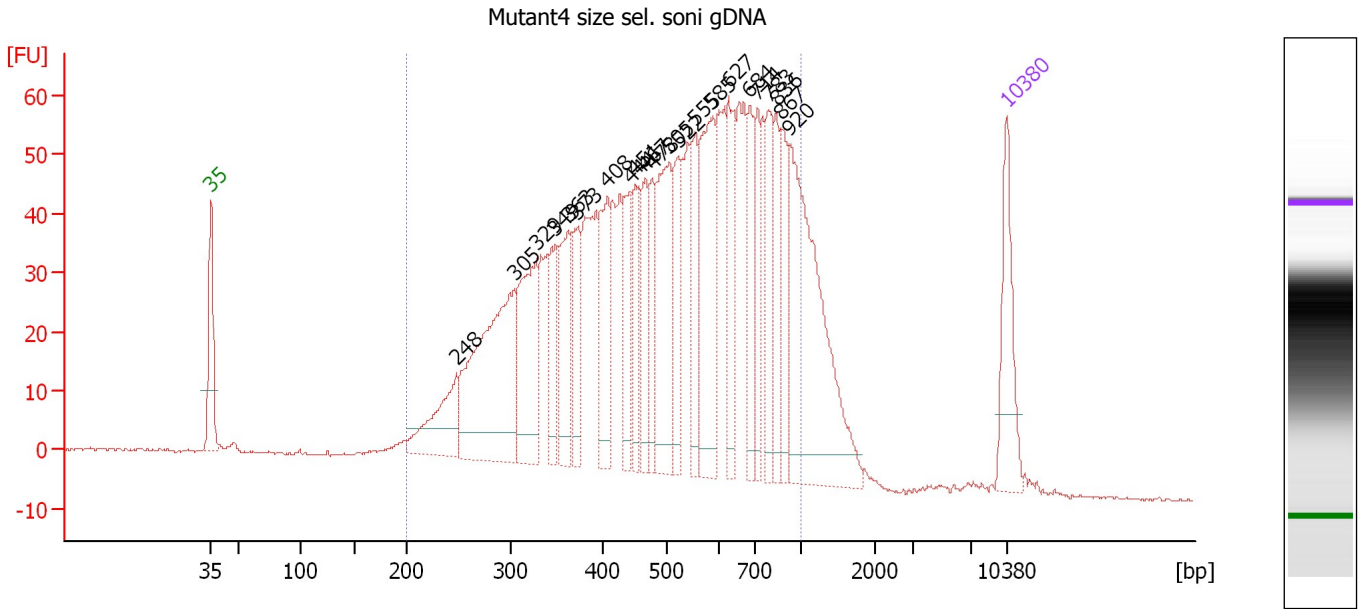
**Region table for sample 5 : TV size sel. soni gDNA**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
200	1,000	541	2,076.2	7,213.2	2,166.25	82	34.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Mutant4 size sel. soni gDNA**

Number of peaks found: 22                      Corr. Area 1: 1,755.9  
 Noise: 0.3

**Peak table for sample 6 : Mutant4 size sel. soni gDNA**

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	248	110.45	674.6		64.58
3	305	320.83	1,594.8		69.70
4	329	169.05	779.7		71.62
5	349	80.77	350.3		73.31
6	363	110.16	459.5		74.43
7	373	79.23	321.8		75.23
8	408	101.53	377.2		77.86
9	444	79.33	271.0		79.88
10	451	71.04	238.6		80.30
11	467	71.36	231.6		81.19
12	478	66.21	210.0		81.80
13	505	165.26	495.7		83.30
14	522	78.36	227.3		84.10
15	555	80.10	218.7		85.60
16	585	164.69	426.2		87.01
17	627	99.07	239.3		88.56
18	684	71.70	158.9		90.39
19	714	70.47	149.6		91.09
20	783	78.58	152.0		92.03
21	836	64.94	117.7		92.73
22	867	66.15	115.6		93.15
23	920	318.36	524.6		93.86
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

Created: 3/11/2016 9:46:29 AM  
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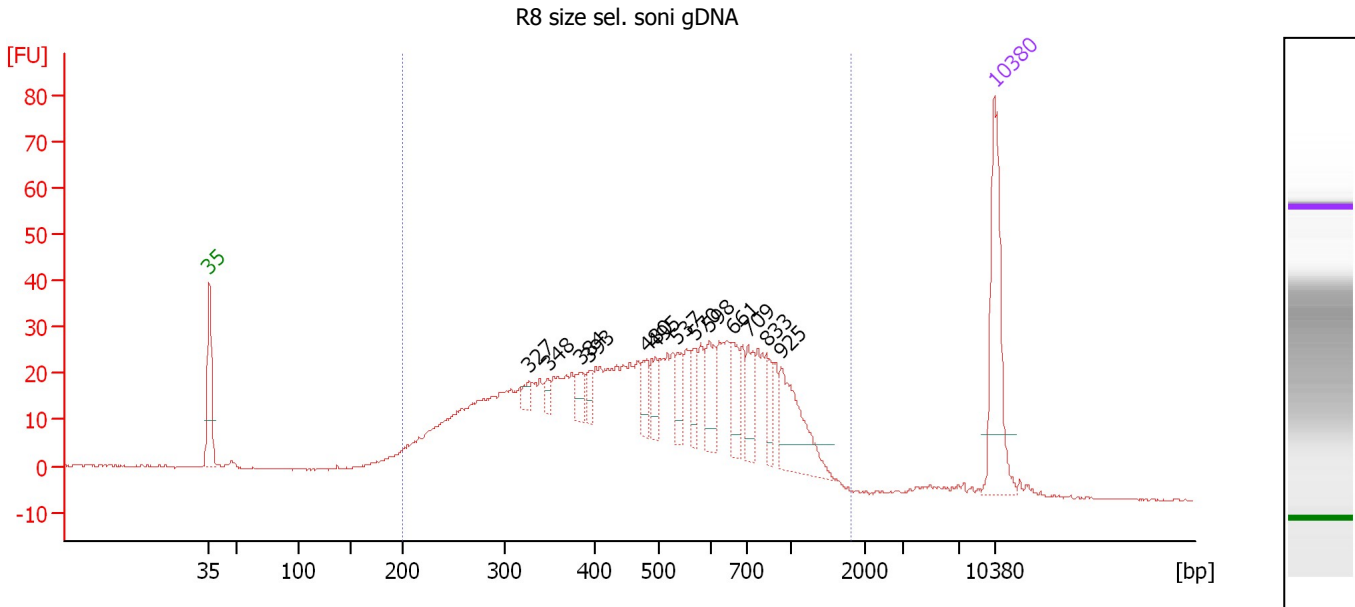
**Electropherogram Summary Continued ...****... Region table for sample 6 : Mutant4 size sel. soni gDNA**

<b>From [bp]</b>	<b>To [bp]</b>	<b>Average Size [bp]</b>	<b>Corr. Area</b>	<b>Molarity [pmol/l]</b>	<b>Co Conc. lor [pg/μl]</b>	<b>% of Total</b>	<b>Size distribution in CV [%]</b>
200	1,000	523	1,755.9	11,158.3	■ 3,179.06	90	36.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : R8 size sel. soni gDNA**

Number of peaks found: 13                      Corr. Area 1: 1,015.5  
 Noise: 0.2

**Peak table for sample 7 : R8 size sel. soni gDNA**

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	327	9.34	43.2		71.53
3	348	8.41	36.6		73.20
4	384	16.36	64.6		76.10
5	393	11.99	46.2		76.86
6	480	21.04	66.4		81.95
7	495	19.17	58.6		82.80
8	537	19.47	55.0		84.75
9	570	18.84	50.1		86.27
10	598	32.81	83.1		87.61
11	661	28.68	65.7		89.65
12	709	27.75	59.3		91.03
13	833	18.04	32.8		92.69
14	925	62.99	103.2		93.93
15	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 7 : R8 size sel. soni gDNA**

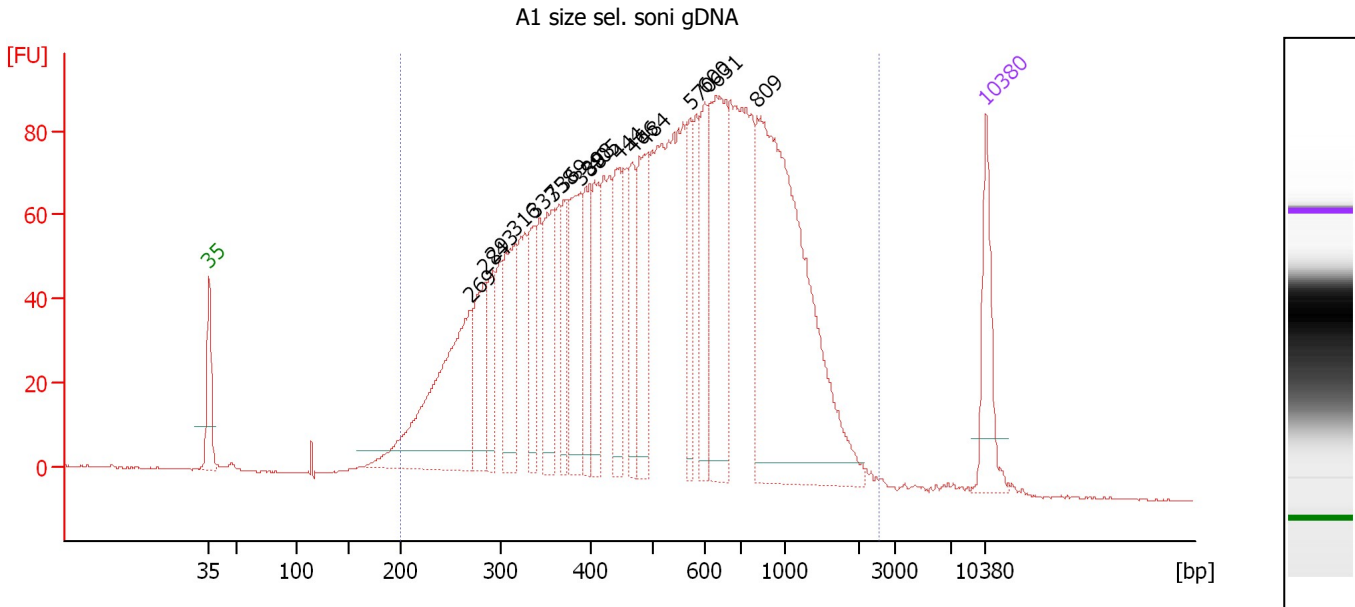
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,817	534	1,015.5	4,998.2	1,356.96	94	46.3



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : A1 size sel. soni gDNA**

Number of peaks found: 17                      Corr. Area 1: 3,020.1  
 Noise: 0.2

**Peak table for sample 8 : A1 size sel. soni gDNA**

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	269	368.78	2,075.2		66.51
3	284	117.88	629.9		67.81
4	293	80.96	419.3		68.63
5	316	141.05	676.5		70.60
6	337	85.88	386.5		72.28
7	358	121.40	513.8		74.01
8	369	76.93	315.7		74.92
9	388	150.83	588.7		76.46
10	398	99.27	377.6		77.28
11	405	94.18	352.2		77.71
12	444	113.84	388.9		79.88
13	466	90.16	293.4		81.13
14	484	140.25	438.7		82.18
15	570	79.03	209.9		86.32
16	600	96.87	244.8		87.66
17	631	229.66	551.6		88.67
18	809	622.84	1,166.2		92.38
19	10,380	75.00	10.9	Upper Marker	113.00

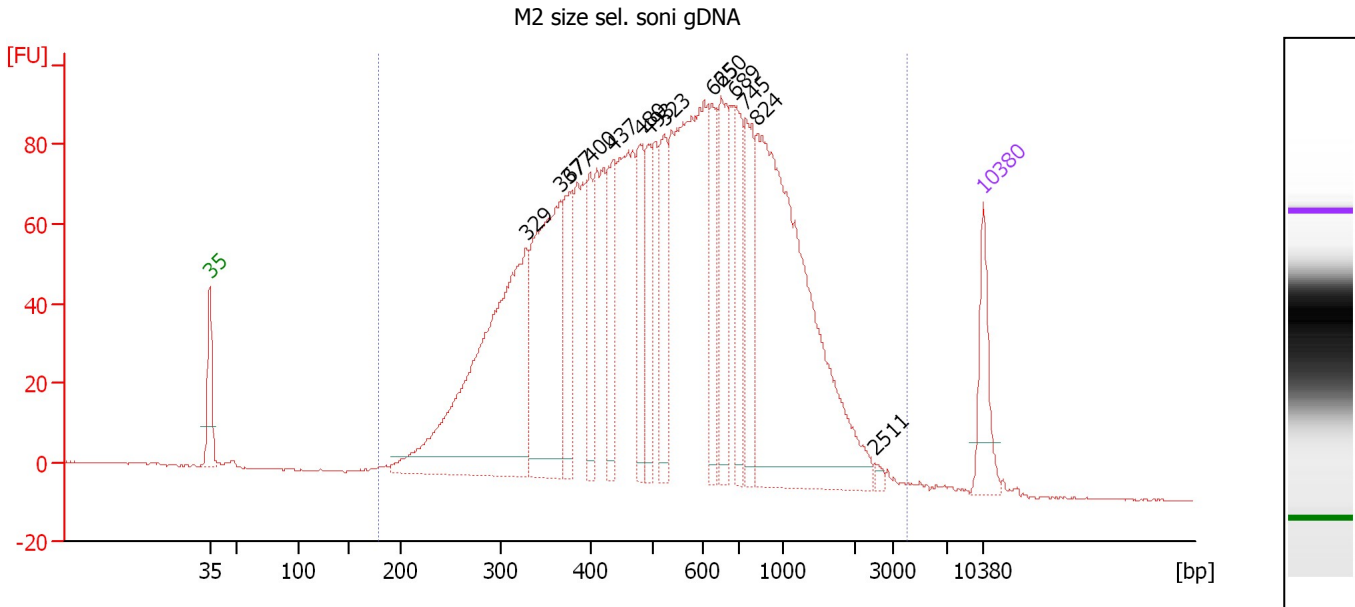
**Region table for sample 8 : A1 size sel. soni gDNA**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	2,582	596	3,020.1	14,349.2	4,141.26	98	54.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : M2 size sel. soni gDNA**

Number of peaks found: 14                      Corr. Area 1: 2,998.3  
 Noise: 0.2

**Peak table for sample 9 : M2 size sel. soni gDNA**

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	329	777.08	3,582.8		71.63
3	367	444.37	1,836.0		74.72
4	377	163.45	657.2		75.54
5	400	118.01	446.9		77.42
6	437	136.05	471.9		79.50
7	480	138.99	438.3		81.96
8	493	106.03	325.7		82.68
9	523	136.08	394.1		84.13
10	625	118.55	287.5		88.48
11	650	175.74	409.6		89.30
12	689	133.53	293.6		90.55
13	745	154.67	314.4		91.52
14	824	806.67	1,482.5		92.58
15	2,511	6.94	4.2		103.20
16	10,380	75.00	10.9	Upper Marker	113.00

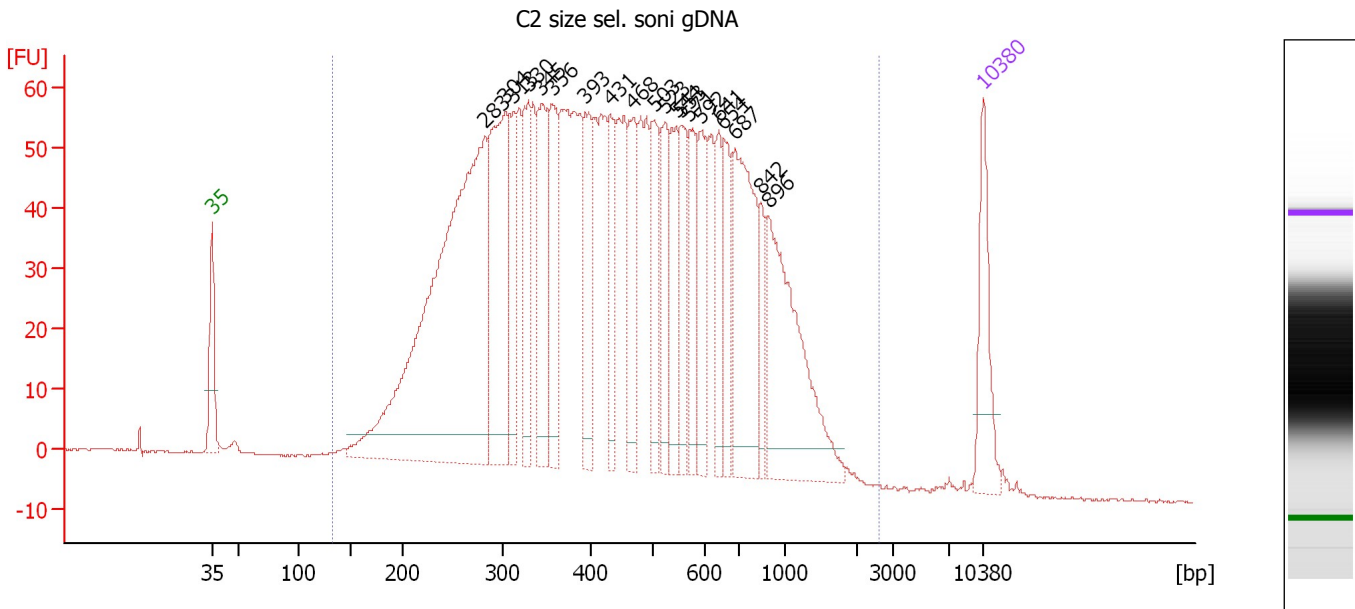
**Region table for sample 9 : M2 size sel. soni gDNA**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
178	4,073	634	2,998.3	16,097.3	4,924.09	99	60.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : C2 size sel. soni gDNA**

Number of peaks found: 20                      Corr. Area 1: 2,436.5  
 Noise: 0.2

**Peak table for sample 10 : C2 size sel. soni gDNA**

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	283	907.95	4,856.2		67.79
3	304	309.27	1,541.7		69.63
4	313	101.31	490.6		70.35
5	330	129.90	597.2		71.71
6	345	147.75	649.8		72.92
7	356	129.56	550.7		73.89
8	393	117.40	452.1		76.89
9	431	81.44	286.4		79.16
10	468	115.13	372.9		81.24
11	503	105.59	318.4		83.18
12	523	96.03	277.9		84.15
13	544	92.40	257.1		85.12
14	553	86.37	236.7		85.50
15	571	88.60	235.2		86.33
16	592	80.57	206.3		87.29
17	641	64.46	152.5		88.99
18	654	77.68	179.9		89.42
19	687	224.64	495.4		90.49
20	842	47.51	85.5		92.81
21	896	252.37	426.8		93.54
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**

... Region table for sample 10 :

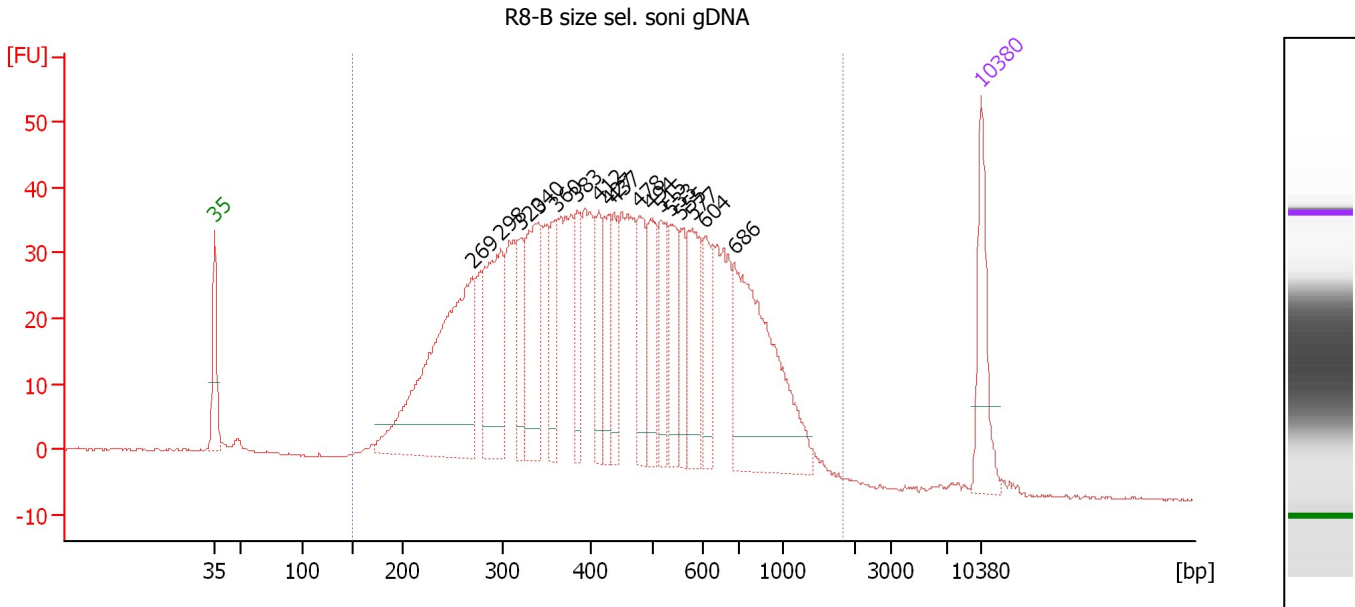
**C2 size sel. soni qDNA**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
132	2,635	496	2,436.5	18,379.4	4,501.72	99	52.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : R8-B size sel. soni gDNA**

Number of peaks found: 17                      Corr. Area 1: 1,466.5  
 Noise: 0.1

**Peak table for sample 11 : R8-B size sel. soni gDNA**

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	269	444.93	2,501.7		66.53
3	298	199.82	1,016.5		69.11
4	320	72.14	341.8		70.91
5	340	164.98	734.7		72.57
6	360	81.42	342.6		74.18
7	383	70.44	278.3		76.08
8	412	62.31	229.4		78.07
9	427	80.13	284.2		78.95
10	437	60.97	211.6		79.49
11	478	85.81	272.0		81.82
12	494	88.67	271.7		82.75
13	515	77.59	228.1		83.77
14	533	70.42	200.1		84.60
15	555	51.15	139.5		85.62
16	577	102.62	269.7		86.60
17	604	71.12	178.4		87.82
18	686	294.06	649.7		90.45
19	10,380	75.00	10.9	Upper Marker	113.00

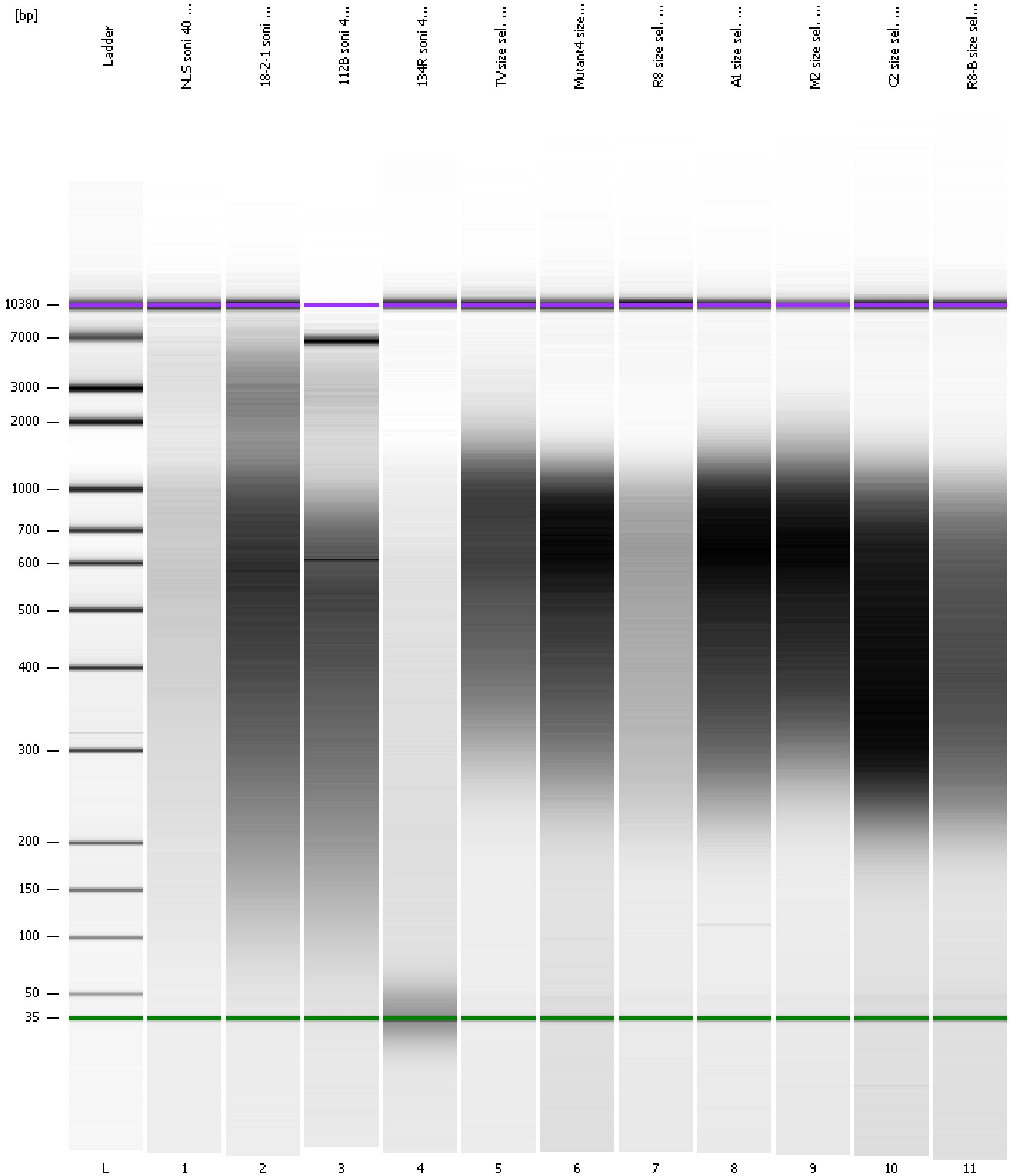
**Region table for sample 11 : R8-B size sel. soni gDNA**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
149	1,836	478	1,466.5	12,724.1	3,143.76	98	46.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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**Gel Image**

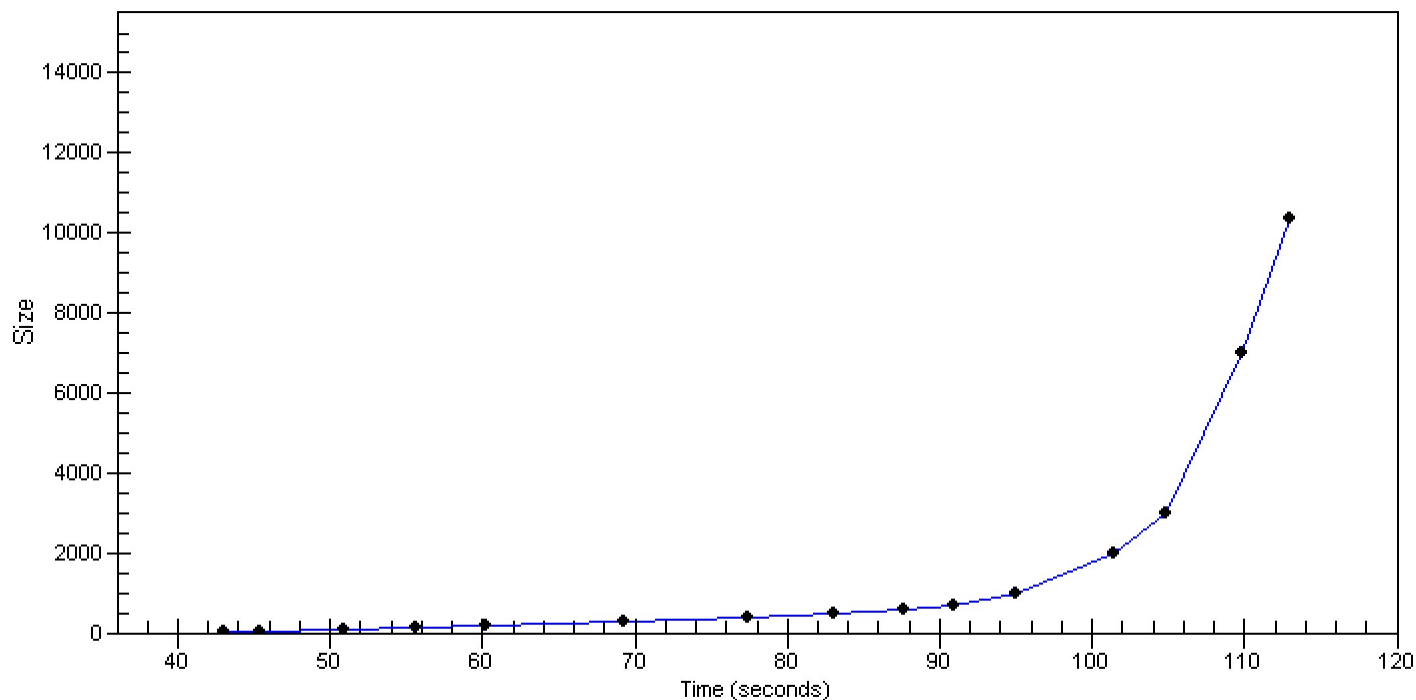


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

Created: 3/11/2016 9:46:29 AM  
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**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11\_001.xad

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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		3/11/2016 10:27:48 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-03-11\2016-03-11_001.xad)		Instrument	Run		3/11/2016 9:46:34 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/11/2016 9:46:34 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/11/2016 9:46:34 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/11/2016 9:46:34 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/11/2016 9:46:34 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/11/2016 9:46:34 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/11/2016 9:46:34 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1