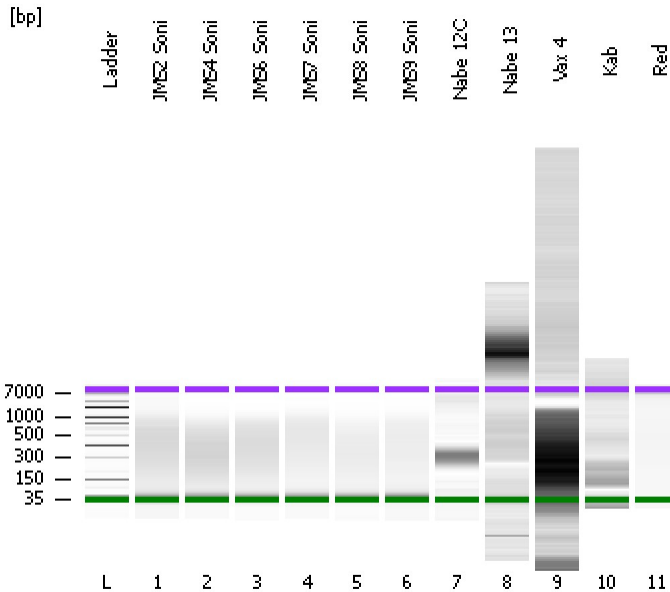


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
Modified: 4/2/2014 2:10:09 PM

Electrophoresis File Run Summary



Instrument Information:

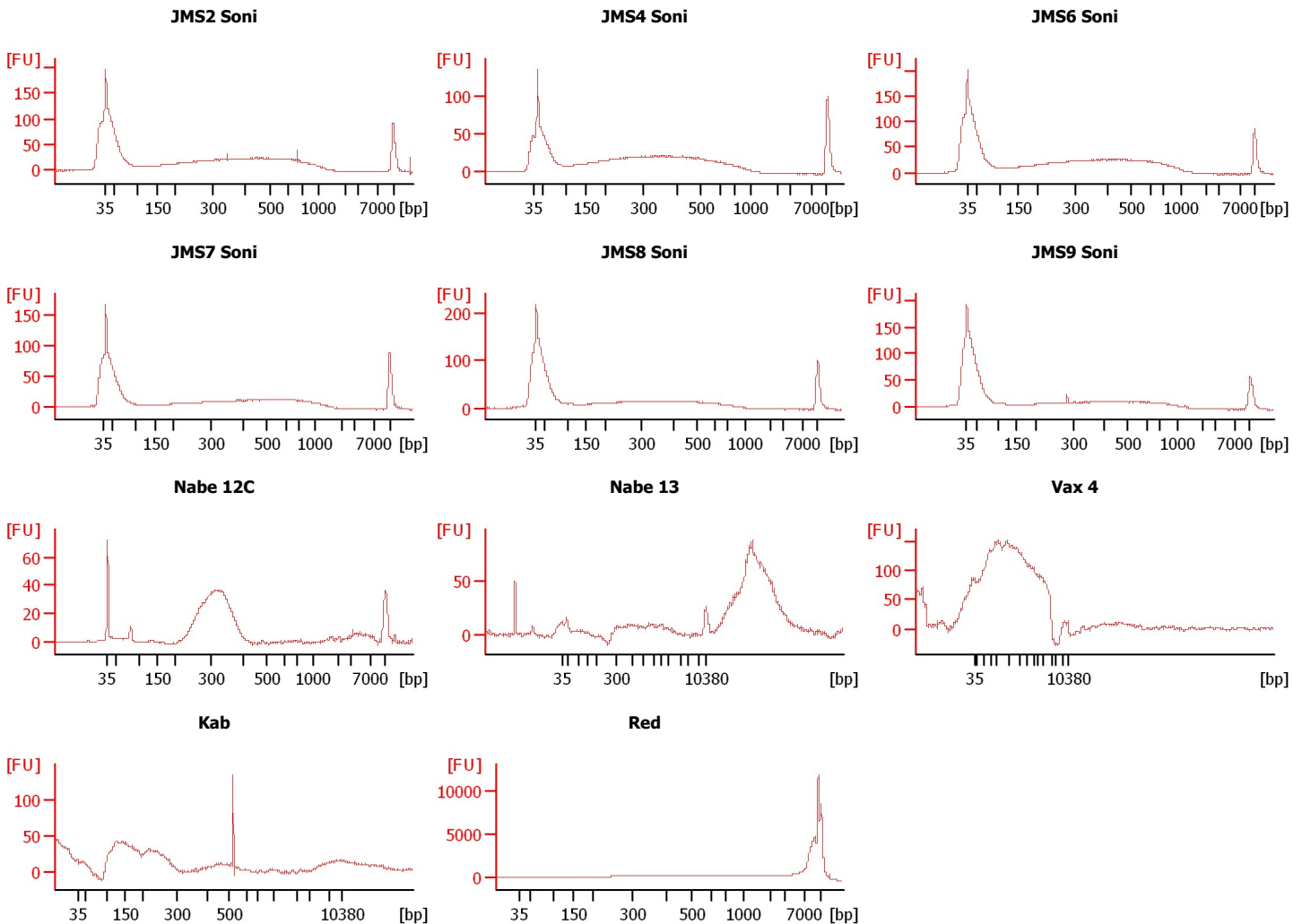
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
 Modified: 4/2/2014 2:10:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JMS2 Soni		<input type="checkbox"/>	✓			
JMS4 Soni		<input type="checkbox"/>	✓			
JMS6 Soni		<input type="checkbox"/>	✓			
JMS7 Soni		<input type="checkbox"/>	✓			
JMS8 Soni		<input type="checkbox"/>	✓			
JMS9 Soni		<input type="checkbox"/>	✓			
Nabe 12C		<input type="checkbox"/>	✓			
Nabe 13		<input type="checkbox"/>	✓			
Vax 4		<input type="checkbox"/>	✓			
Kab		<input type="checkbox"/>	✓			
Red		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
Modified: 4/2/2014 2:10:09 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

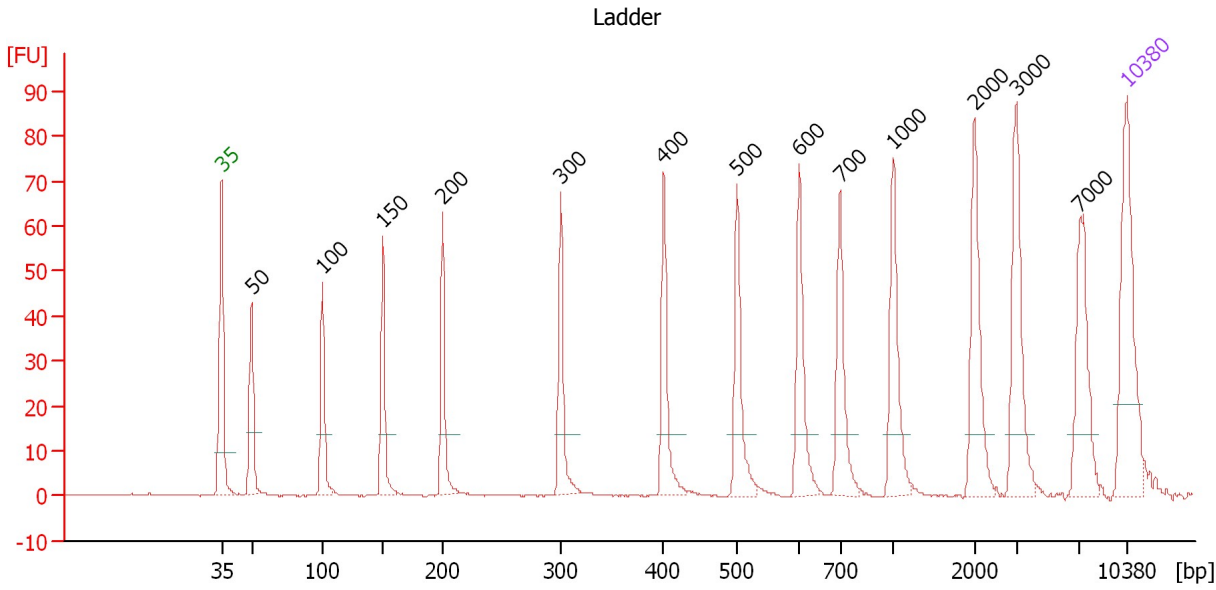
Ladder

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:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
 Modified: 4/2/2014 2:10:09 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

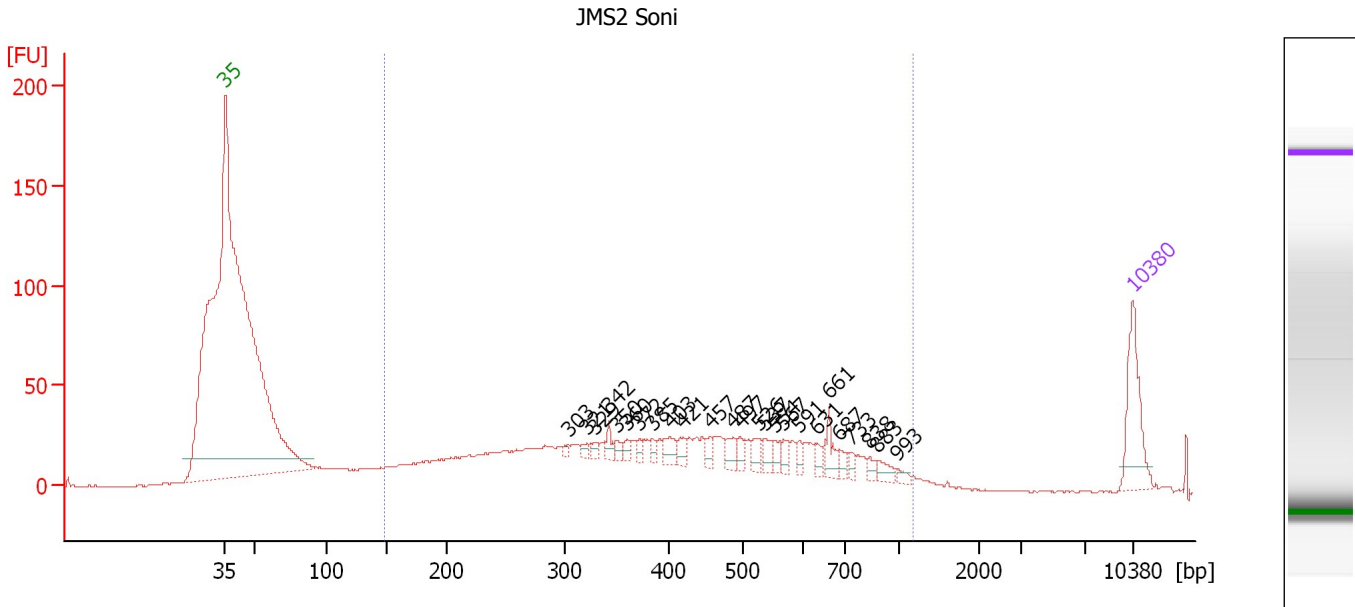
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.31	50	150.00	4,545.5	Ladder Peak
3	50.79	100	150.00	2,272.7	Ladder Peak
4	55.45	150	150.00	1,515.2	Ladder Peak
5	60.11	200	150.00	1,136.4	Ladder Peak
6	69.22	300	150.00	757.6	Ladder Peak
7	77.18	400	150.00	568.2	Ladder Peak
8	82.86	500	150.00	454.5	Ladder Peak
9	87.65	600	150.00	378.8	Ladder Peak
10	90.82	700	150.00	324.7	Ladder Peak
11	94.94	1,000	150.00	227.3	Ladder Peak
12	101.21	2,000	150.00	113.6	Ladder Peak
13	104.43	3,000	150.00	75.8	Ladder Peak
14	109.37	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

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 Modified: 4/2/2014 2:10:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : JMS2 Soni

Number of peaks found: 25 Corr. Area 1: 1,004.3
 Noise: 0.3

Peak table for sample 1 : JMS2 Soni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	69.46	303	5.34	26.7	
3	70.86	321	7.68	36.3	
4	71.52	329	7.89	36.3	
5	72.59	342	14.12	62.5	
6	73.16	350	9.29	40.3	
7	74.03	360	9.17	38.6	
8	74.98	372	9.84	40.0	
9	75.96	385	10.04	39.5	
10	77.32	403	21.14	79.6	
11	78.35	421	15.44	55.6	
12	80.41	457	12.07	40.0	
13	82.14	487	20.30	63.1	
14	82.71	497	15.08	46.0	
15	84.11	526	17.51	50.4	
16	84.65	537	16.35	46.1	
17	85.47	554	13.17	36.0	
18	86.09	567	15.76	42.1	
19	87.20	591	11.06	28.4	
20	88.64	631	12.20	29.3	
21	89.58	661	23.44	53.7	
22	90.41	687	9.90	21.8	
23	91.27	733	8.54	17.7	
24	92.71	838	8.65	15.6	
25	93.33	883	14.37	24.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
 Modified: 4/2/2014 2:10:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : JMS2 Soni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	94.85	993	6.54	10.0	
27	113.00	10,380	75.00	10.9	Upper Marker

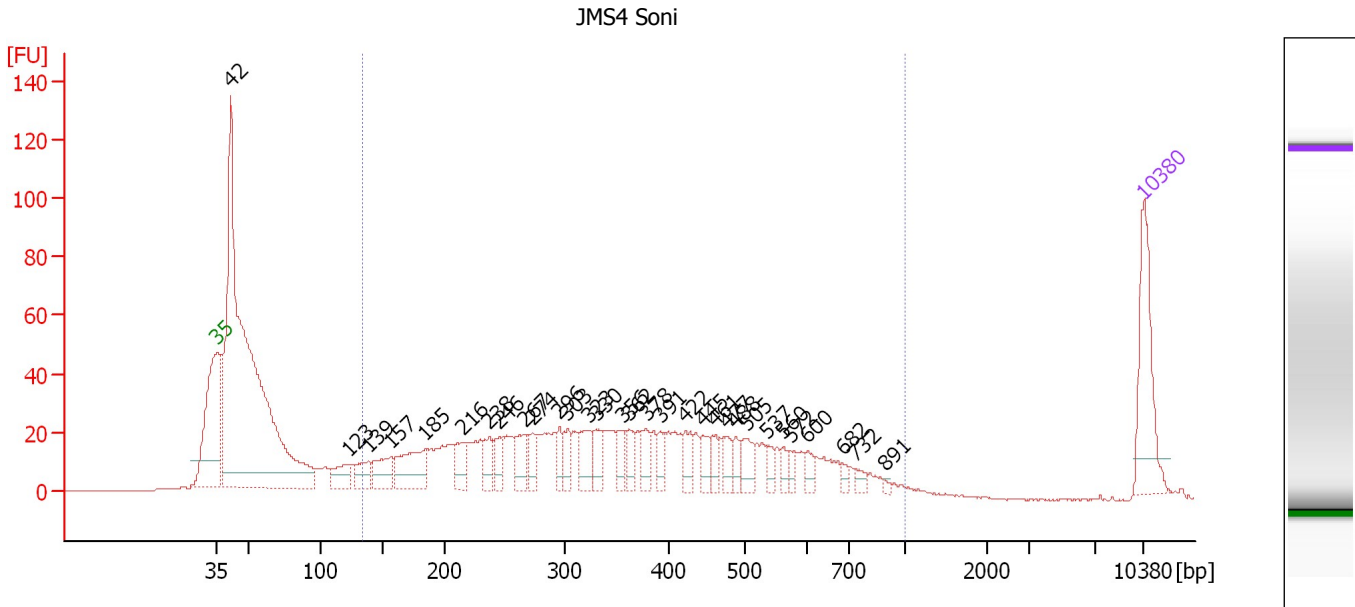
Region table for sample 1 : JMS2 Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
149	1,185	426	5,701.3	1,211.29	1,004.3	91	43.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : JMS4 Soni

Number of peaks found: 31 Corr. Area 1: 1,016.5
 Noise: 0.2

Peak table for sample 2 : JMS4 Soni


Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	44.01	42	1,020.17	37,201.2	
3	52.96	123	37.02	455.0	
4	54.41	139	31.81	347.1	
5	56.06	157	46.80	452.8	
6	58.73	185	80.56	659.2	
7	61.59	216	33.05	231.6	
8	63.56	238	27.95	178.0	
9	64.33	246	23.23	142.8	
10	66.23	267	37.15	210.7	
11	66.83	274	21.84	120.8	
12	68.85	296	20.39	104.4	
13	69.49	303	22.89	114.3	
14	71.06	323	39.50	185.2	
15	71.63	330	26.29	120.6	
16	73.65	356	20.61	87.8	
17	74.13	362	20.33	85.1	
18	75.42	378	22.42	89.9	
19	76.47	391	18.53	71.8	
20	78.40	422	23.72	85.2	
21	79.73	445	20.90	71.2	
22	80.62	461	16.16	53.1	
23	81.55	477	16.72	53.1	
24	82.19	488	15.14	47.0	
25	83.08	505	24.24	72.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

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 Modified: 4/2/2014 2:10:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : JMS4 Soni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	84.61	537	11.40	32.2	
27	85.74	560	11.33	30.6	
28	86.31	572	9.17	24.3	
29	87.64	600	11.44	28.9	
30	90.26	682	6.08	13.5	
31	91.27	732	8.61	17.8	
32	93.44	891	2.81	4.8	
33	 113.00	10,380	75.00	10.9	Upper Marker

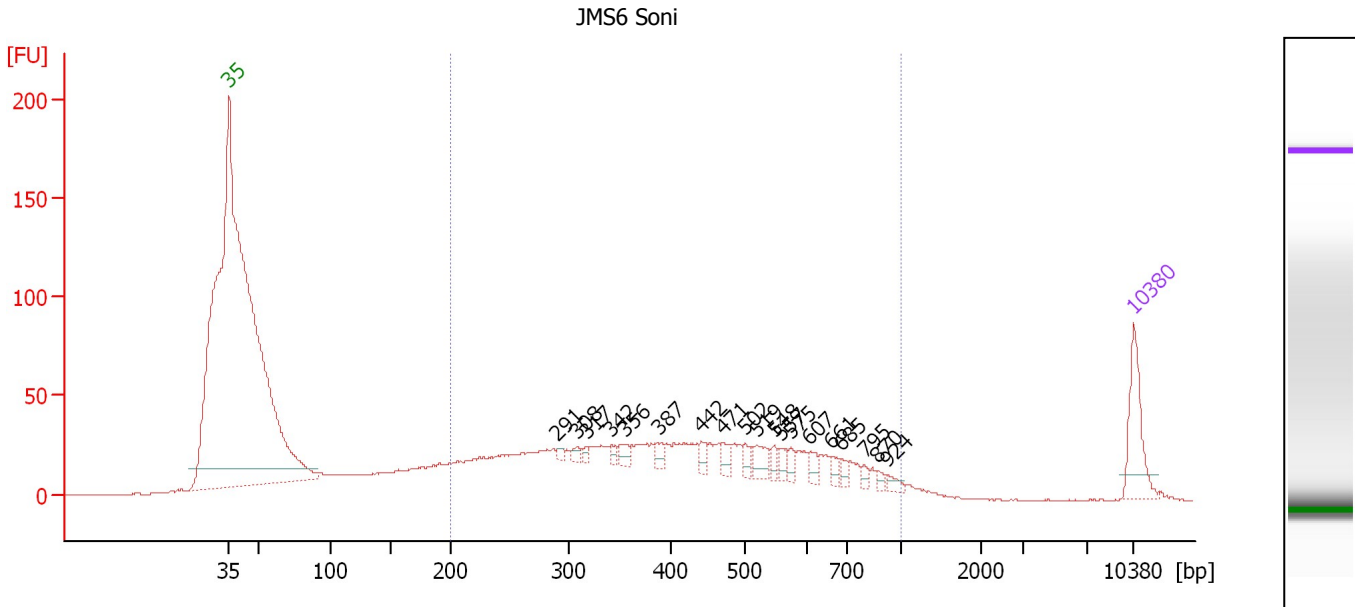
Region table for sample 2 : JMS4 Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
133	1,000	377	6,359.3	1,195.82	 1,016.5	58	42.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : JMS6 Soni

Number of peaks found: 19 Corr. Area 1: 1,106.8
 Noise: 0.2

Peak table for sample 3 : JMS6 Soni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	68.41	291	8.43	43.9	
3	69.89	308	11.06	54.3	
4	70.60	317	8.13	38.8	
5	72.58	342	10.01	44.3	
6	73.65	356	20.64	87.9	
7	76.16	387	17.05	66.7	
8	79.55	442	15.80	54.2	
9	81.20	471	20.44	65.8	
10	82.97	502	15.80	47.7	
11	83.80	519	31.70	92.5	
12	85.16	548	13.11	36.3	
13	85.61	557	14.37	39.1	
14	86.44	575	13.21	34.8	
15	87.88	607	17.36	43.3	
16	89.57	661	12.98	29.8	
17	90.35	685	13.03	28.8	
18	92.13	795	8.73	16.6	
19	93.16	870	6.94	12.1	
20	93.90	924	10.39	17.0	
21	113.00	10,380	75.00	10.9	Upper Marker

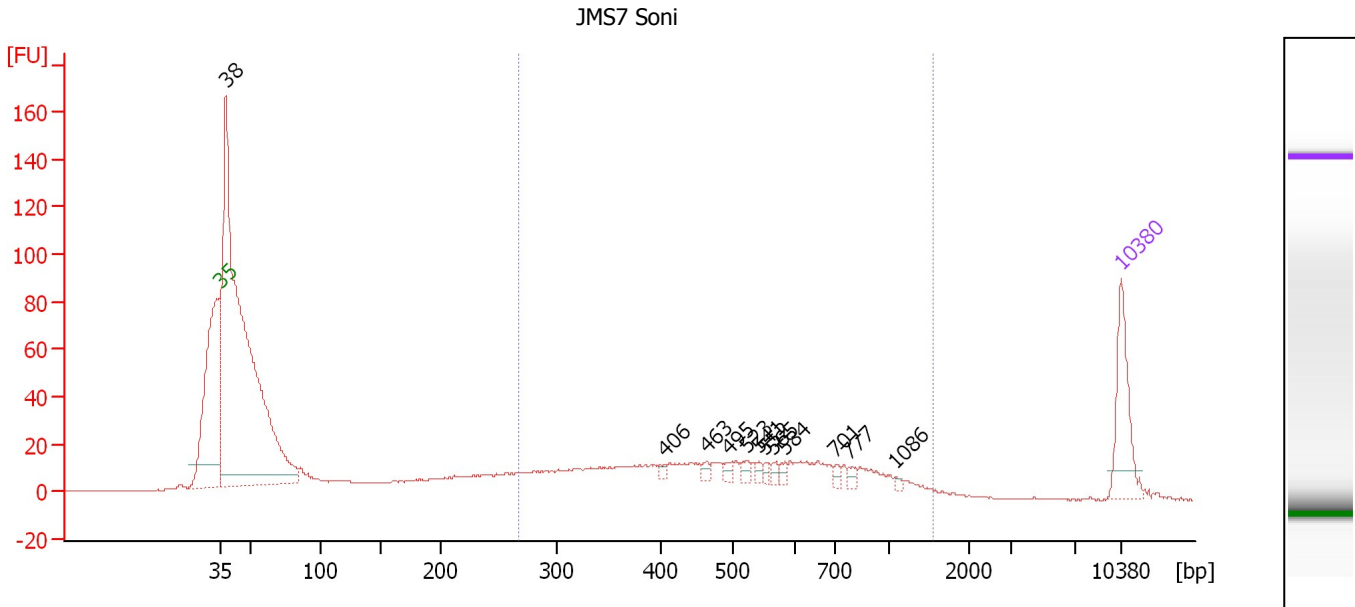
Region table for sample 3 : JMS6 Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	437	6,178.9	1,455.35	1,106.8	80	38.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : JMS7 Soni

Number of peaks found: 12 Corr. Area 1: 508.5
 Noise: 0.2

Peak table for sample 4 : JMS7 Soni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	43.46	38	1,450.06	57,877.5	
3	77.54	406	5.87	21.9	
4	80.78	463	7.65	25.0	
5	82.60	495	9.29	28.4	
6	83.96	523	11.14	32.3	
7	84.83	541	6.75	18.9	
8	85.33	552	6.68	18.4	
9	85.95	565	8.20	22.0	
10	86.86	584	7.64	19.8	
11	90.84	701	7.64	16.5	
12	91.88	777	8.37	16.3	
13	95.48	1,086	3.94	5.5	
14	113.00	10,380	75.00	10.9	Upper Marker

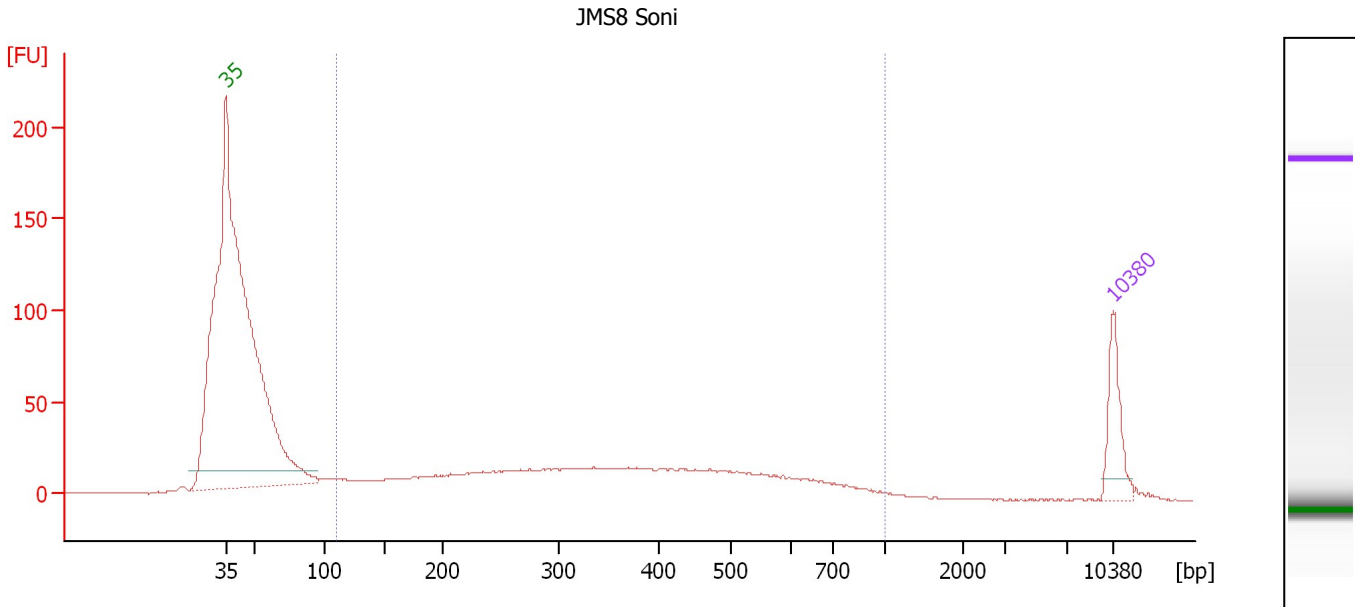
Region table for sample 4 : JMS7 Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
266	1,559	549	2,066.1	605.29	508.5	33	44.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : JMS8 Soni

Number of peaks found: 0 Corr. Area 1: 763.4
 Noise: 0.2

Peak table for sample 5 : JMS8 Soni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

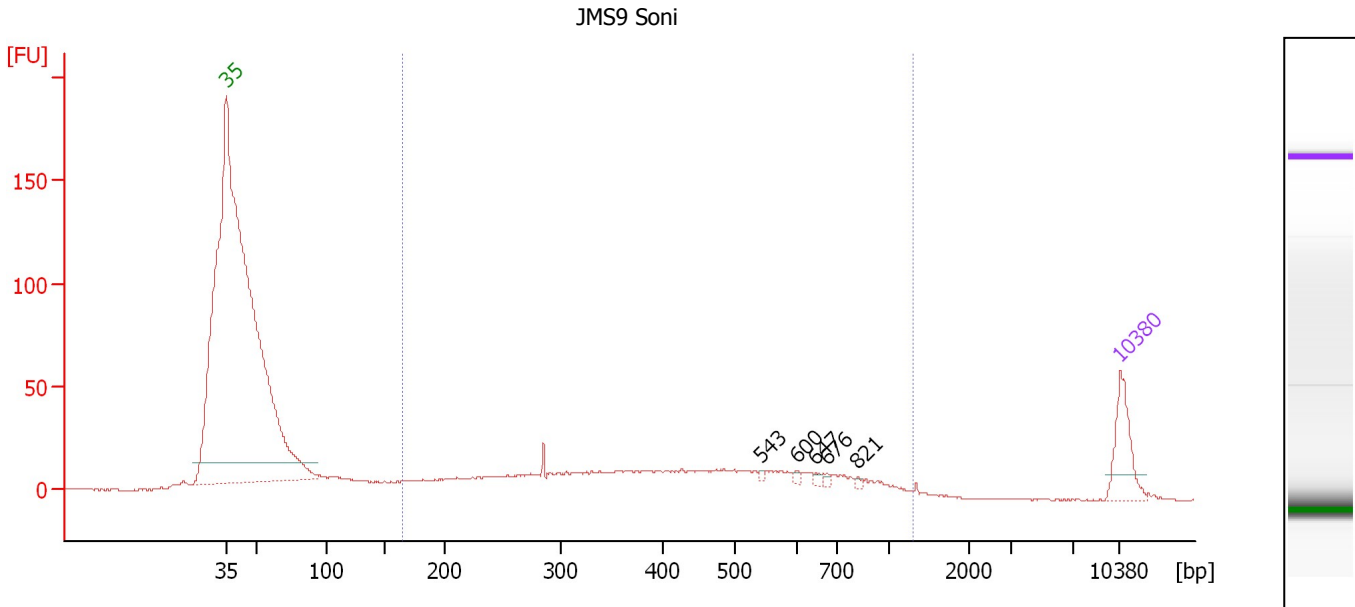
Region table for sample 5 : JMS8 Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
110	1,000	377	5,034.0	884.85	763.4	93	45.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : JMS9 Soni

Number of peaks found: 5 Corr. Area 1: 544.9
 Noise: 0.3

Peak table for sample 6 : JMS9 Soni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	84.92	543	4.30	12.0	
3	87.63	600	4.74	12.0	
4	89.14	647	5.87	13.8	
5	90.06	676	6.50	14.6	
6	92.48	821	4.01	7.4	
7	113.00	10,380	75.00	10.9	Upper Marker

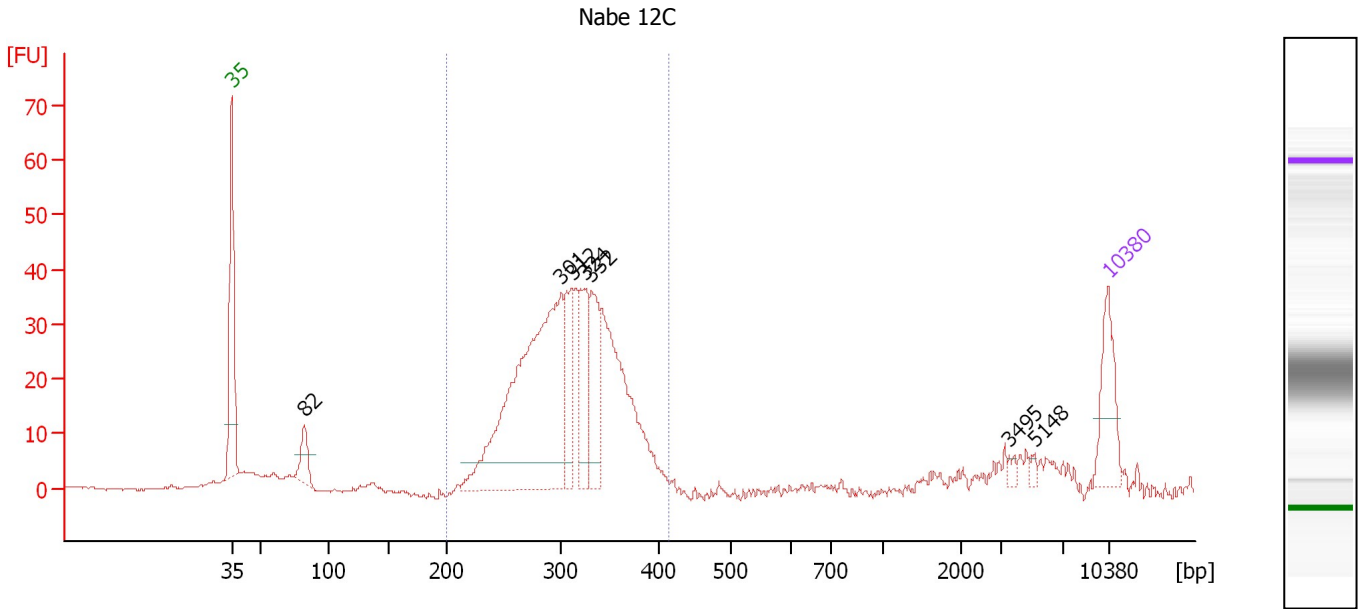
Region table for sample 6 : JMS9 Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
165	1,291	456	3,627.6	818.38	544.9	83	45.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

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 Modified: 4/2/2014 2:10:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nabe 12C

Number of peaks found: 7 Corr. Area 1: 497.3
 Noise: 0.2

Peak table for sample 7 : Nabe 12C

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	48.79	82	57.70	1,069.3	
3	69.27	301	696.92	3,512.1	
4	70.17	312	123.44	599.7	
5	71.14	324	126.89	593.0	
6	71.74	332	131.99	602.9	
7	105.04	3,495	7.24	3.1	
8	107.08	5,148	6.32	1.9	
9	113.00	10,380	75.00	10.9	Upper Marker

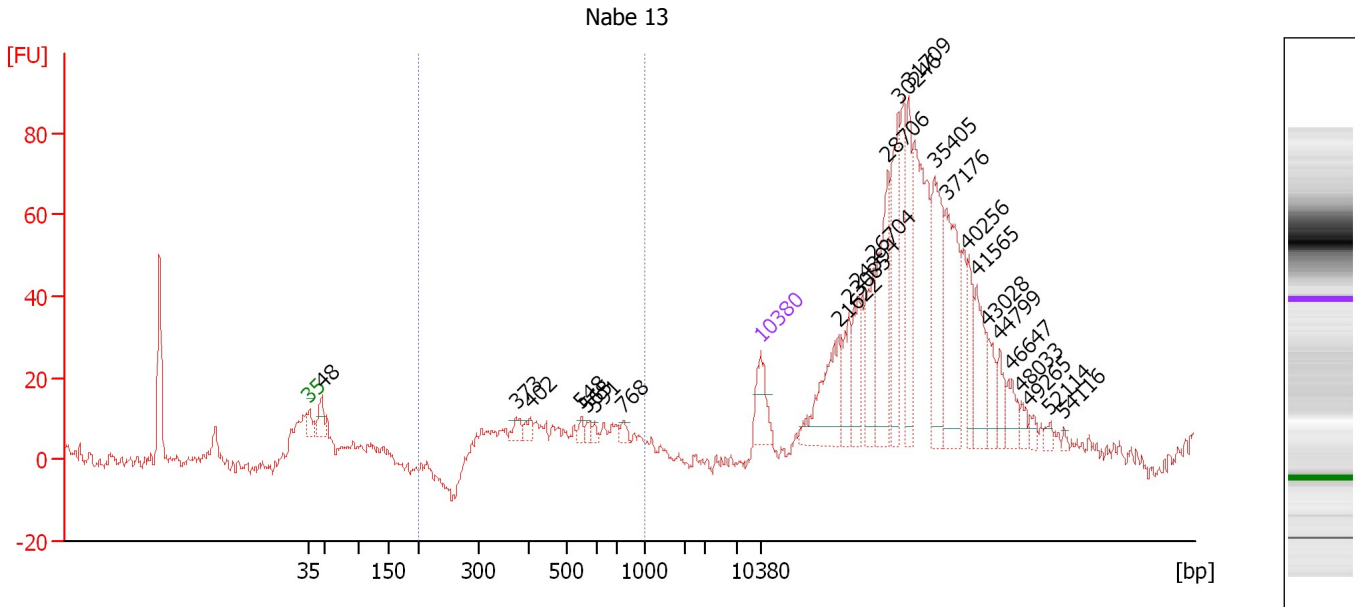
Region table for sample 7 : Nabe 12C

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	414	311	7,478.6	1,503.48	497.3	85	12.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : Nabe 13

Number of peaks found: 25 Corr. Area 1: 113.9
 Noise: 1.9

Peak table for sample 8 : Nabe 13

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	44.98	48	65.69	2,078.4	
3	75.07	373	28.18	114.3	
4	77.30	402	26.16	98.6	
5	85.15	548	14.52	40.2	
6	85.98	565	14.08	37.7	
7	87.21	591	10.54	27.0	
8	91.76	768	17.62	34.7	
9	113.00	10,380	75.00	10.9	Upper Marker
10	125.07	21,622	0.00	0.0	
11	126.64	23,085	0.00	0.0	
12	128.04	24,394	0.00	0.0	
13	130.52	26,704	0.00	0.0	
14	132.67	28,706	0.00	0.0	
15	134.32	30,246	0.00	0.0	
16	135.89	31,709	0.00	0.0	
17	139.86	35,405	0.00	0.0	
18	141.76	37,176	0.00	0.0	
19	145.07	40,256	0.00	0.0	
20	146.47	41,565	0.00	0.0	
21	148.04	43,028	0.00	0.0	
22	149.94	44,799	0.00	0.0	
23	151.93	46,647	0.00	0.0	
24	153.41	48,033	0.00	0.0	
25	154.74	49,265	0.00	0.0	


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

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Electropherogram Summary Continued ...**... Peak table for sample 8 : Nabe 13**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	157.79	52,114	0.00	0.0	
27	159.94	54,116	0.00	0.0	

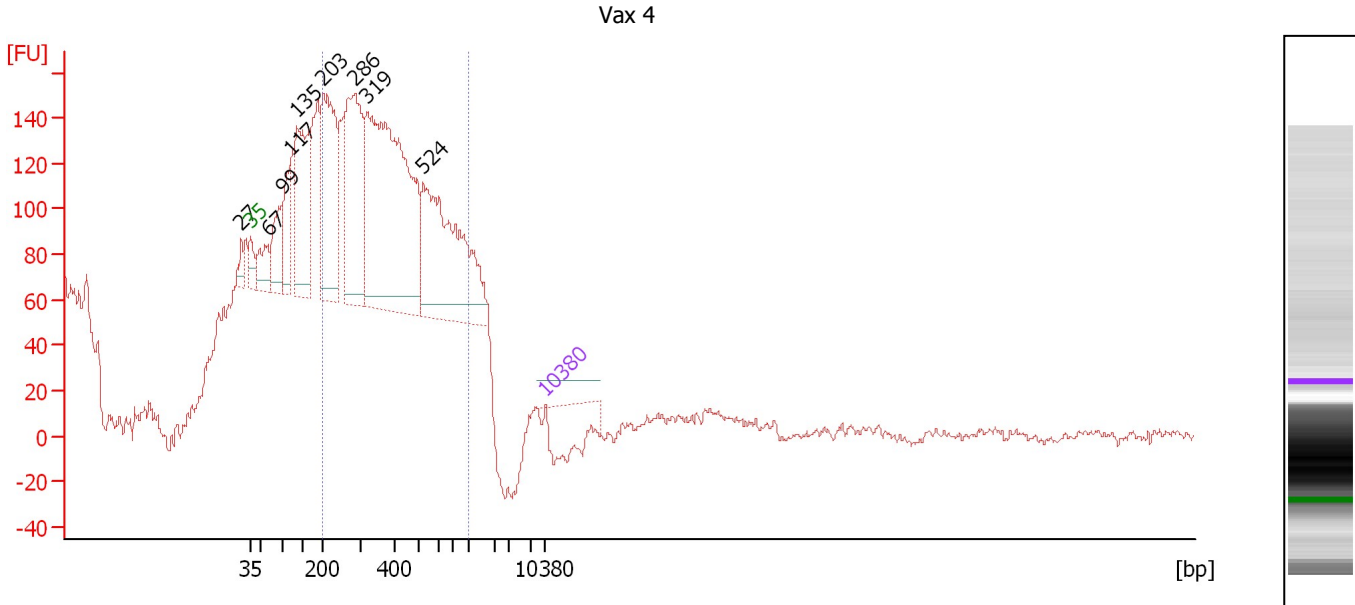
Region table for sample 8 : Nabe 13

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	508	1,568.5	467.42	 113.9	11	31.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
 Modified: 4/2/2014 2:10:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Vax 4

Number of peaks found: 9 Corr. Area 1: 1,710.1
 Noise: 2.0

Peak table for sample 9 : Vax 4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	40.85	27	0.00	0.0	
2	43.00	35	125.00	5,411.2	Lower Marker
3	47.18	67	26,546.18	599,958.4	
4	50.72	99	41,174.12	627,856.9	
5	52.37	117	33,807.50	438,140.3	
6	54.01	135	104,494.06	1,176,489.6	
7	60.34	203	121,521.93	908,975.8	
8	67.94	286	128,597.24	681,452.7	
9	70.72	319	269,738.03	1,281,639.6	
10	84.01	524	142,502.41	412,040.1	
11	113.00	10,380	75.00	10.9	Upper Marker

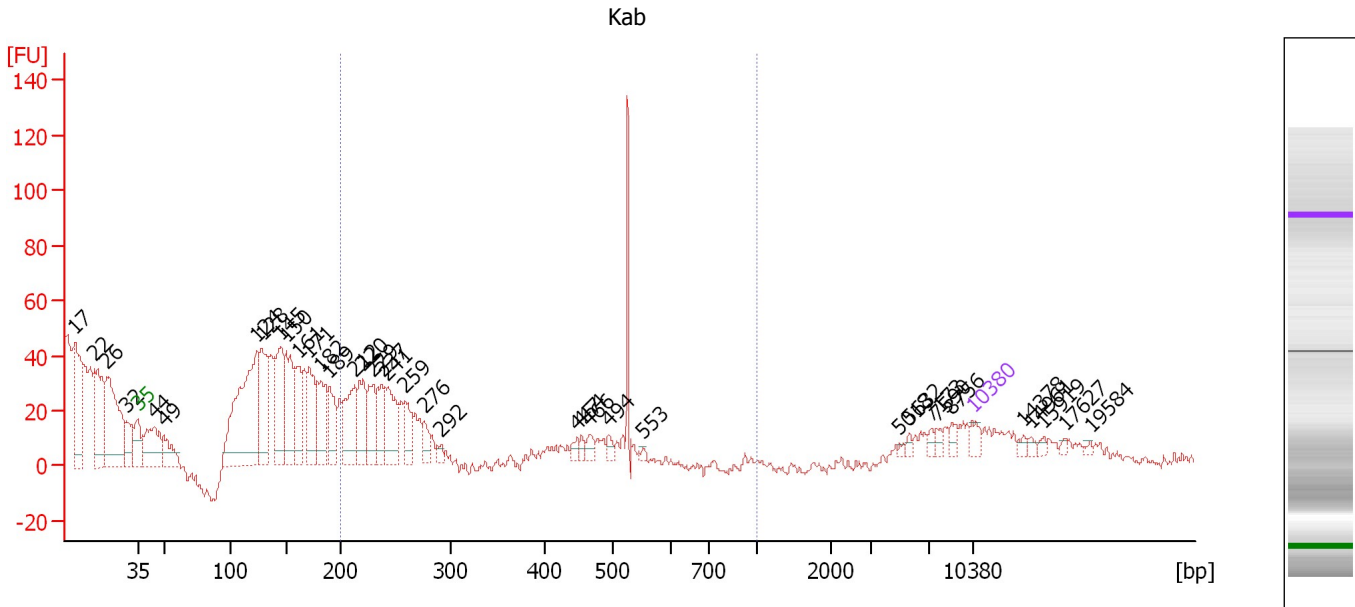
Region table for sample 9 : Vax 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	406	3,188,919.5	706,461.88	1,710.1	66	42.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
 Modified: 4/2/2014 2:10:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Kab

Number of peaks found: 37 Corr. Area 1: 24.2
 Noise: 2.2

Peak table for sample 10 : Kab

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	37.77	17	0.00	0.0	
2	39.42	22	0.00	0.0	
3	40.41	26	0.00	0.0	
4	42.11	32	0.00	0.0	
5	43.00	35	125.00	5,411.3	Lower Marker
6	44.43	44	830.41	28,405.5	
7	45.19	49	363.15	11,176.2	
8	53.01	124	2,445.29	29,917.2	
9	53.42	128	974.87	11,525.3	
10	54.98	145	931.24	9,734.1	
11	55.47	150	903.11	9,108.5	
12	56.50	161	583.97	5,486.7	
13	57.39	171	713.05	6,323.2	
14	58.42	182	641.14	5,340.6	
15	59.09	189	458.39	3,673.0	
16	61.24	212	656.02	4,679.9	
17	61.91	220	534.93	3,688.2	
18	62.76	229	474.14	3,136.1	
19	63.47	237	412.16	2,635.8	
20	63.83	241	569.98	3,585.6	
21	65.44	259	253.60	1,486.3	
22	67.05	276	168.54	924.6	
23	68.48	292	71.64	371.9	
24	79.83	447	62.86	213.2	
25	80.23	454	62.13	207.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
 Modified: 4/2/2014 2:10:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 10 :

Kab

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	80.91	466	90.15	293.4	
27	82.51	494	72.23	221.6	
28	85.38	553	27.81	76.3	
29	106.92	5,018	24.25	7.3	
30	107.68	5,632	29.19	7.9	
31	109.56	7,173	39.01	8.2	
32	110.01	7,590	47.22	9.4	
33	111.26	8,756	54.74	9.5	
34	113.00	10,380	75.00	10.9	Upper Marker
35	117.29	14,378	0.00	0.0	
36	117.92	14,961	0.00	0.0	
37	118.95	15,919	0.00	0.0	
38	120.78	17,627	0.00	0.0	
39	122.88	19,584	0.00	0.0	

Region table for sample 10 :

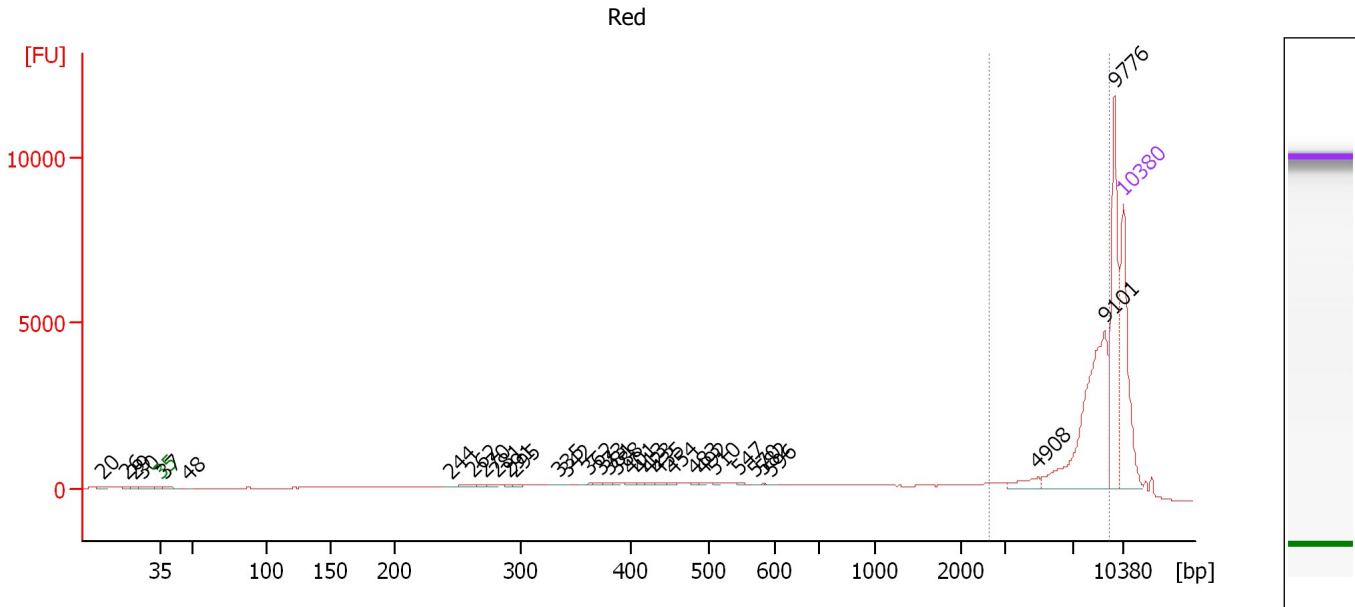
Kab

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	526	641.8	222.71	24.2	33	0.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : Red

Number of peaks found: 33 Corr. Area 1: 13,488.2
 Noise: 1.8

Peak table for sample 11 : Red

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	38.77	20	0.00	0.0	
2	40.52	26	0.00	0.0	
3	41.17	29	0.00	0.0	
4	41.70	30	0.00	0.0	
5	43.00	35	125.00	5,411.3	Lower Marker
6	43.38	37	1.81	73.4	
7	45.06	48	0.25	7.8	
8	64.12	244	0.08	0.5	
9	65.76	262	1.43	8.3	
10	66.52	270	0.96	5.4	
11	67.48	281	1.27	6.8	
12	68.35	291	0.89	4.6	
13	68.77	295	0.90	4.6	
14	71.98	335	1.08	4.9	
15	72.55	342	0.77	3.4	
16	74.19	362	1.54	6.4	
17	75.03	373	1.12	4.6	
18	75.64	381	1.18	4.7	
19	76.25	388	1.14	4.5	
20	77.24	401	1.49	5.6	
21	77.92	413	0.86	3.2	
22	78.46	423	1.27	4.6	
23	79.18	435	1.58	5.5	
24	80.25	454	0.96	3.2	
25	81.89	483	0.84	2.6	


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
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Electropherogram Summary Continued ...

... Peak table for sample 11 :

Red

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	82.42	492	0.70	2.2	
27	83.34	510	0.62	1.8	
28	85.09	547	0.48	1.3	
29	86.24	570	0.23	0.6	
30	86.81	582	0.22	0.6	
31	87.46	596	0.05	0.1	
32	106.79	4,908	9.44	2.9	
33	111.63	9,101	130.83	21.8	
34	112.35	9,776	83.09	12.9	
35	 113.00	10,380	75.00	10.9	Upper Marker

Region table for sample 11 :

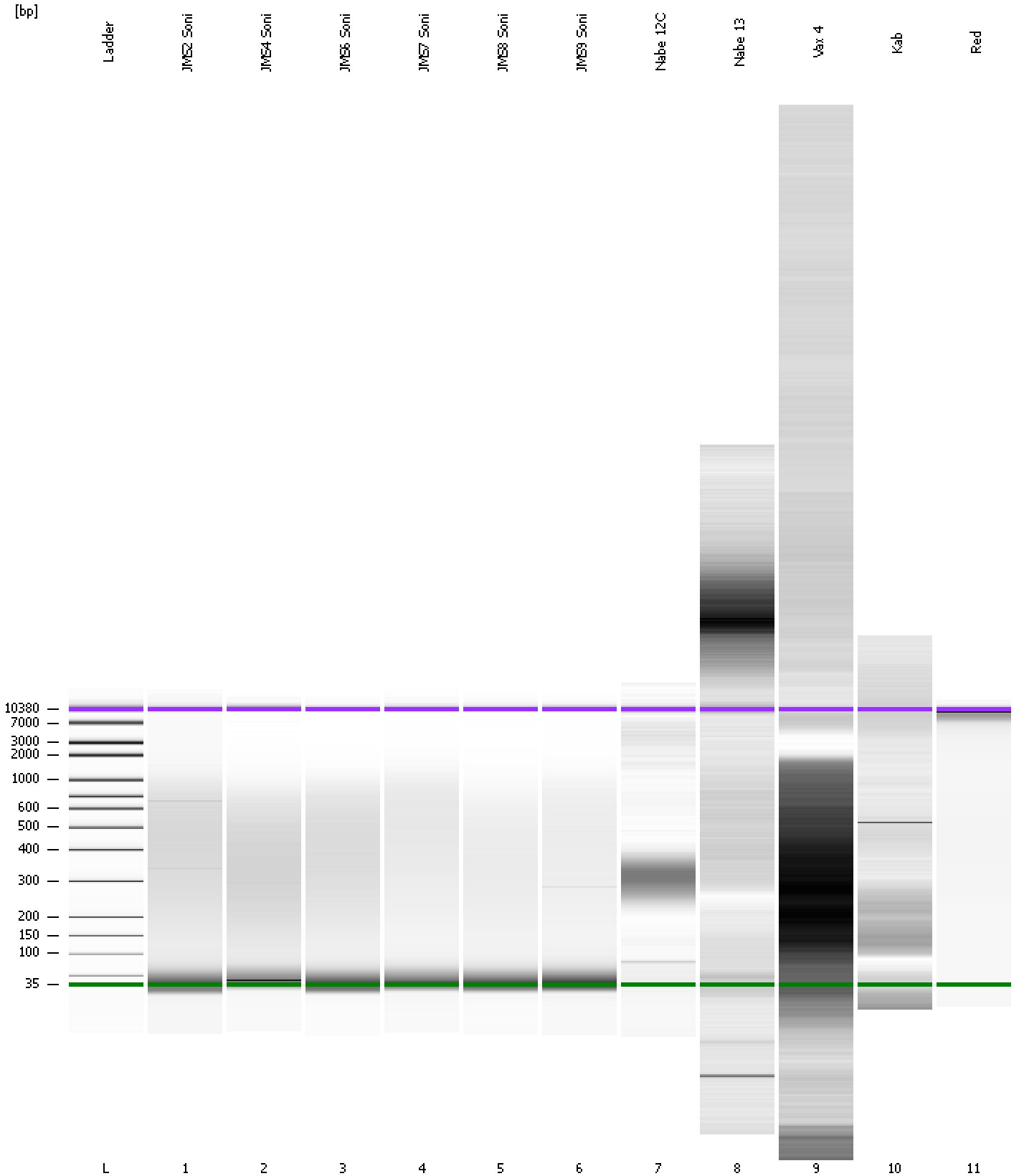
Red

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
2,627	9,349	7,300	40.9	180.51	 13,488.2	31	25.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
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Gel Image

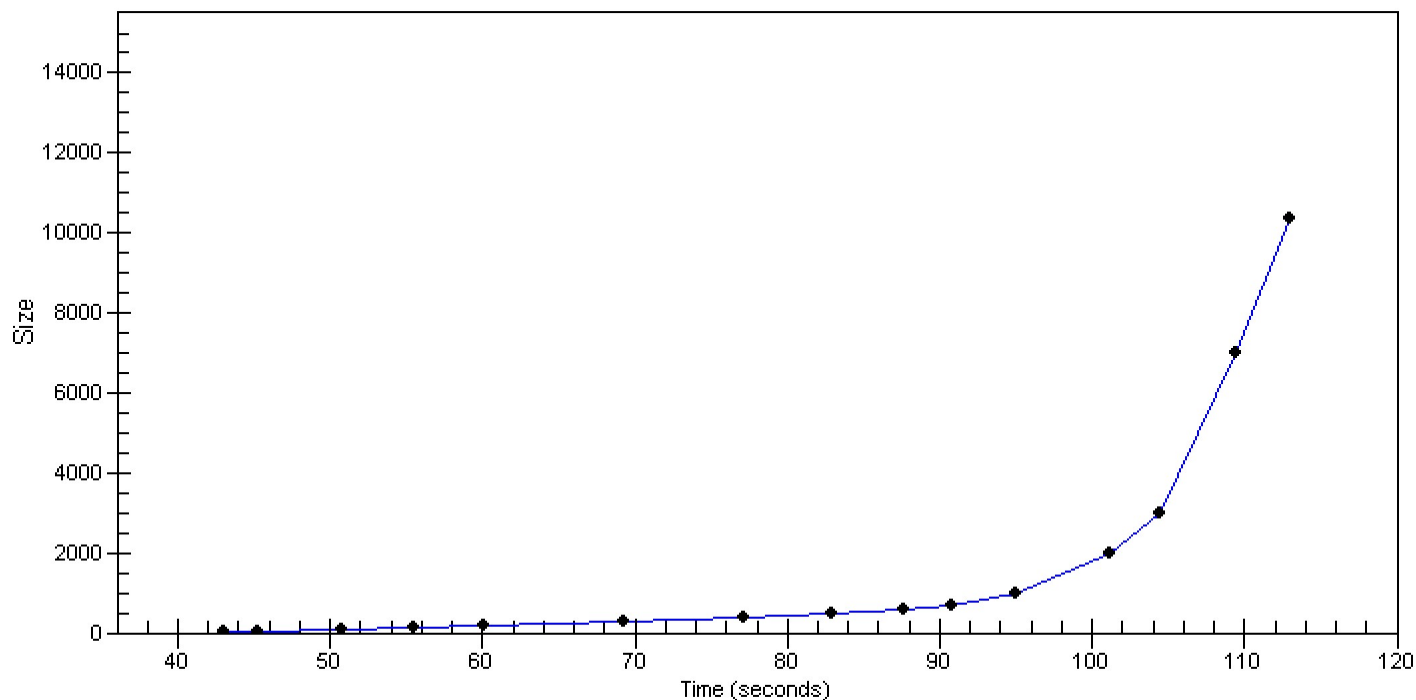


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
Modified: 4/2/2014 2:10:09 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad

Created: 4/2/2014 1:10:22 PM
 Modified: 4/2/2014 2:10:09 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		4/2/2014 1:50:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-04-02\2014-04-02_008.xad)		Instrument	Run		4/2/2014 1:10:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/2/2014 1:10:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/2/2014 1:10:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/2/2014 1:10:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/2/2014 1:10:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/2/2014 1:10:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/2/2014 1:10:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1