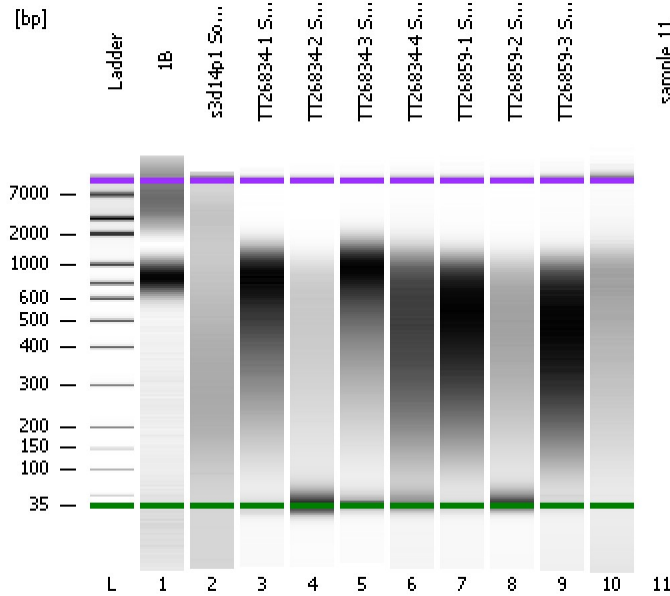


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
Modified: 3/25/2014 12:10:55 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

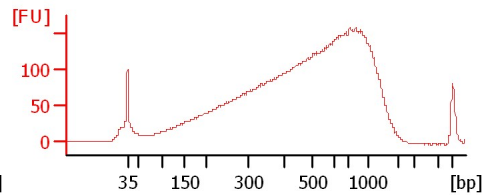
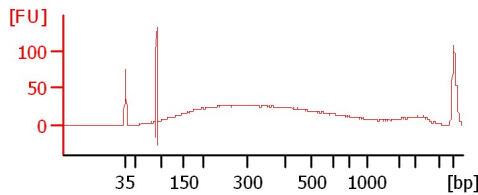
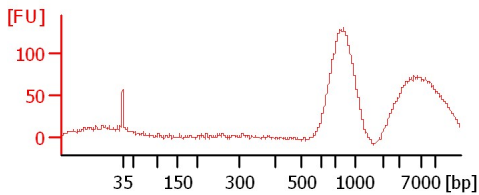
Chip Information:

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

1B

s3d14p1 Soni 1:4

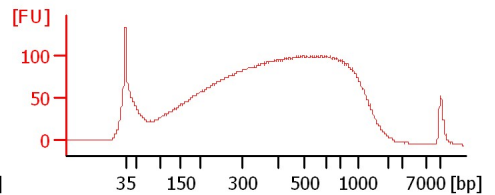
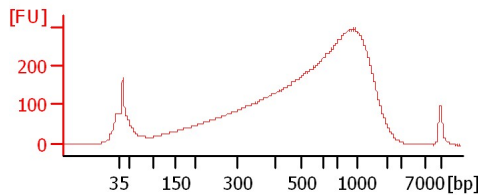
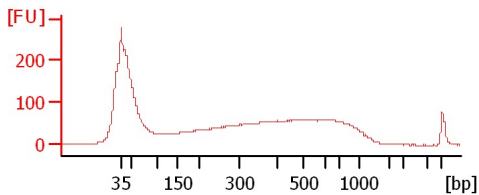
TT26834-1 Soni 6cyc



TT26834-2 Soni 6cyc

TT26834-3 Soni 6cyc

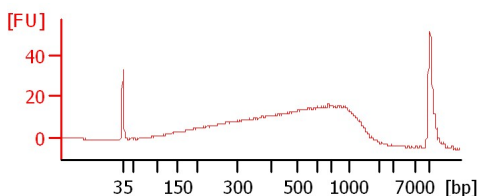
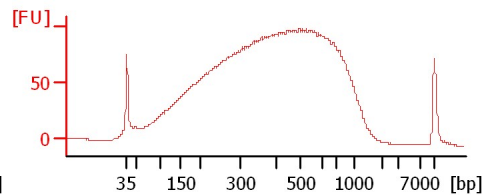
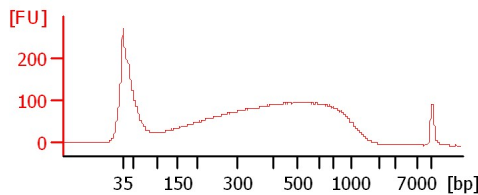
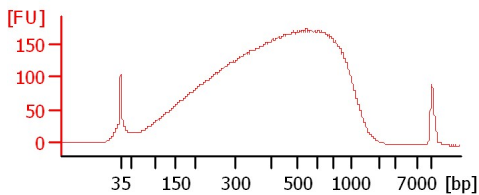
TT26834-4 Soni 6cyc



TT26859-1 Soni 6cyc

TT26859-2 Soni 6cyc

TT26859-3 Soni 6cyc



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
Modified: 3/25/2014 12:10:55 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1B		<input type="checkbox"/>	✓			
s3d14p1 Soni 1:4		<input type="checkbox"/>	✓			
TT26834-1 Soni 6cyc		<input type="checkbox"/>	✓			
TT26834-2 Soni 6cyc		<input type="checkbox"/>	✓			
TT26834-3 Soni 6cyc		<input type="checkbox"/>	✓			
TT26834-4 Soni 6cyc		<input type="checkbox"/>	✓			
TT26859-1 Soni 6cyc		<input type="checkbox"/>	✓			
TT26859-2 Soni 6cyc		<input type="checkbox"/>	✓			
TT26859-3 Soni 6cyc		<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:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
Modified: 3/25/2014 12:10:55 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

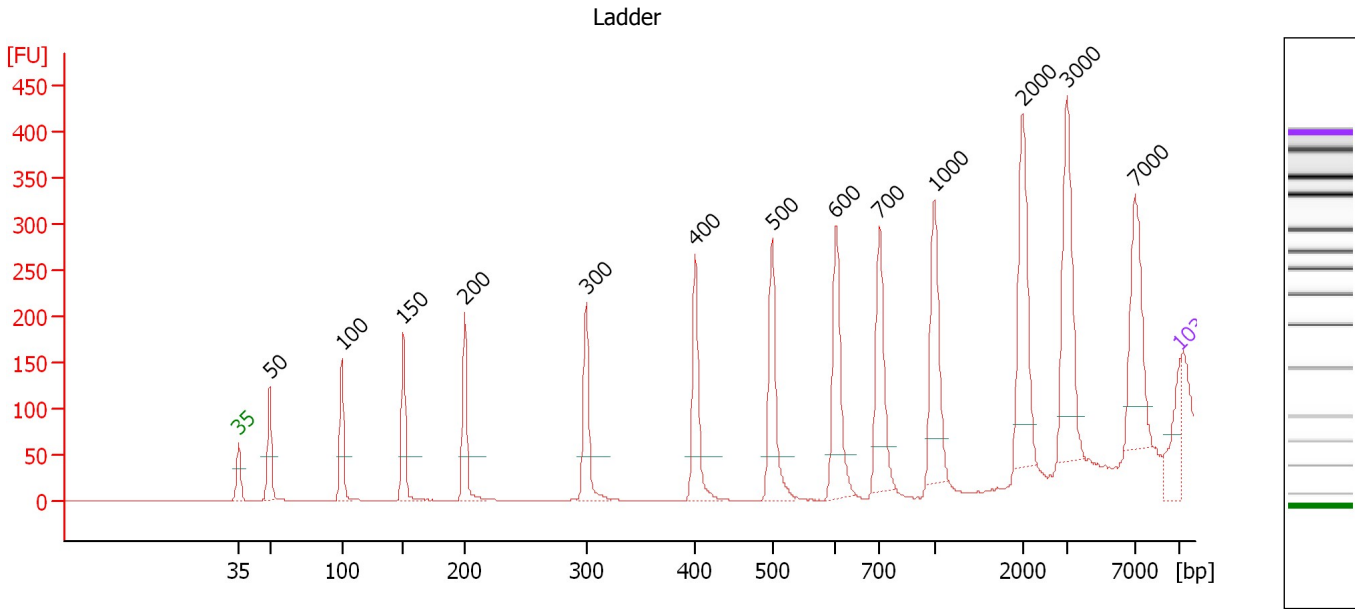
**Ladder**

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\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
 Modified: 3/25/2014 12:10:55 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

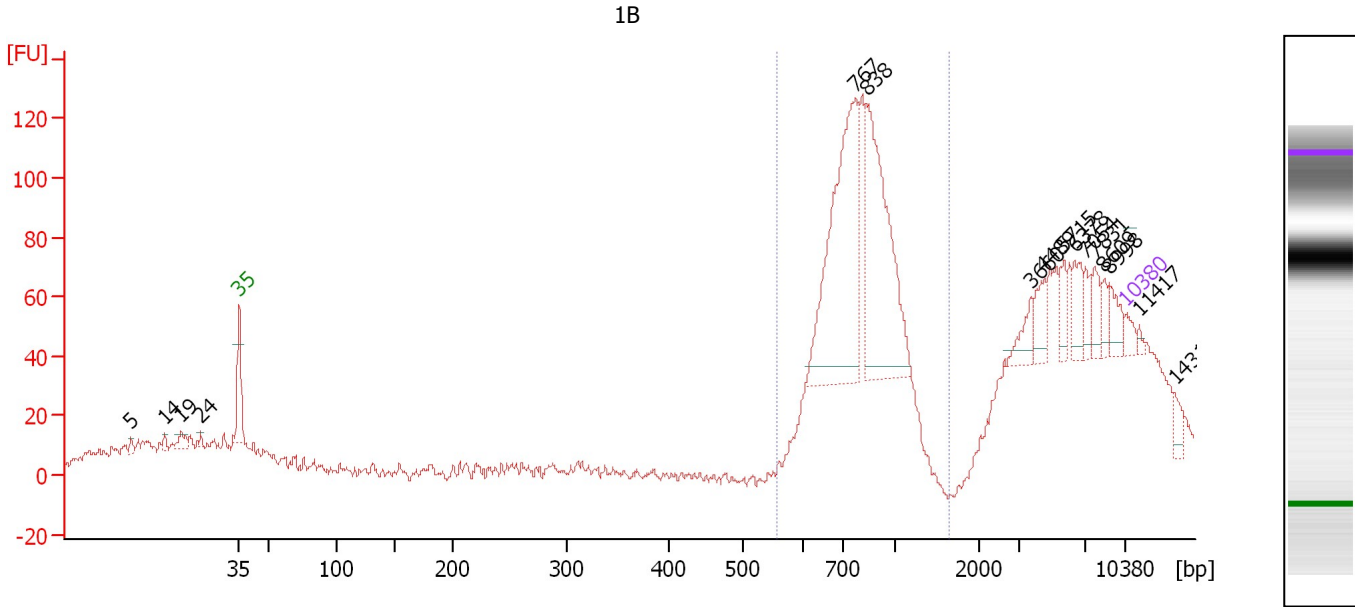
**Peak table for Ladder**

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	45.30	50	150.00	4,545.5	Ladder Peak
3	50.66	100	150.00	2,272.7	Ladder Peak
4	55.26	150	150.00	1,515.2	Ladder Peak
5	59.83	200	150.00	1,136.4	Ladder Peak
6	68.87	300	150.00	757.6	Ladder Peak
7	76.97	400	150.00	568.2	Ladder Peak
8	82.68	500	150.00	454.5	Ladder Peak
9	87.44	600	150.00	378.8	Ladder Peak
10	90.66	700	150.00	324.7	Ladder Peak
11	94.75	1,000	150.00	227.3	Ladder Peak
12	101.33	2,000	150.00	113.6	Ladder Peak
13	104.63	3,000	150.00	75.8	Ladder Peak
14	109.71	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\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
 Modified: 3/25/2014 12:10:55 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 16                      Corr. Area 1: 708.9  
 Noise: 1.9

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

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	34.41	5	0.00	0.0	
2	37.11	14	0.00	0.0	
3	38.41	19	0.00	0.0	
4	39.97	24	0.00	0.0	
5	43.00	35	125.00	5,411.3	Lower Marker
6	91.57	767	2,428.57	4,795.9	
7	92.54	838	1,874.48	3,387.9	
8	105.47	3,660	177.98	73.7	
9	106.52	4,489	199.42	67.3	
10	108.08	5,715	135.93	36.0	
11	108.92	6,378	203.14	48.3	
12	109.76	7,054	131.87	28.3	
13	110.52	7,831	150.13	29.0	
14	111.27	8,609	93.72	16.5	
15	111.65	8,998	160.54	27.0	
16	113.00	10,380	75.00	10.9	Upper Marker
17	114.01	11,417	0.00	0.0	
18	116.83	14,311	0.00	0.0	

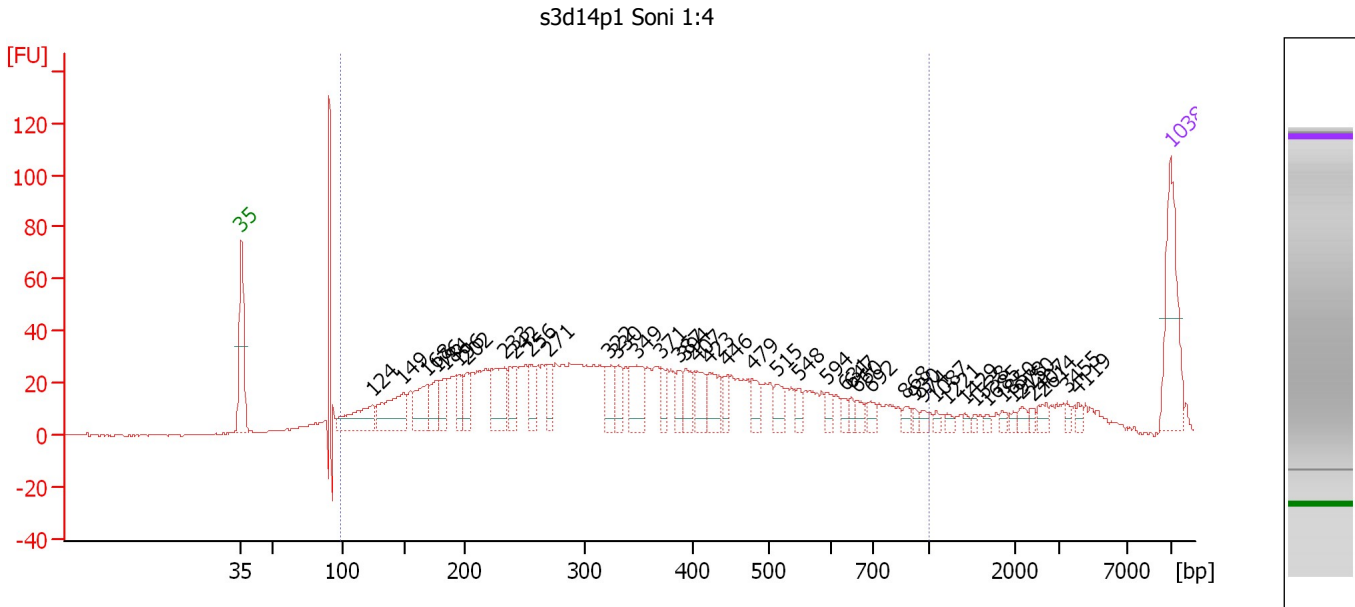
**Region table for sample 1 : 1B**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
559	1,646	814	12,363.1	6,457.13	708.9	52	17.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
 Modified: 3/25/2014 12:10:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : s3d14p1 Soni 1:4**

Number of peaks found: 43                      Corr. Area 1: 1,075.2  
 Noise: 0.3

**Peak table for sample 2 : s3d14p1 Soni 1:4**


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	52.89	124	71.51	872.5	
3	55.18	149	87.59	890.3	
4	56.94	168	53.76	483.6	
5	57.67	176	33.75	289.9	
6	58.35	184	34.83	287.1	
7	59.44	196	29.50	228.4	
8	60.04	202	29.60	221.6	
9	62.85	233	75.15	487.8	
10	63.61	242	36.73	230.1	
11	64.86	256	29.45	174.6	
12	66.23	271	28.92	161.9	
13	70.69	322	38.13	179.2	
14	71.33	330	24.19	111.0	
15	72.86	349	53.25	231.0	
16	74.58	371	22.79	93.2	
17	75.95	387	19.62	76.7	
18	76.47	394	29.85	114.8	
19	77.36	407	32.90	122.5	
20	78.28	423	37.95	135.9	
21	79.61	446	16.95	57.6	
22	81.50	479	24.15	76.4	
23	83.38	515	20.11	59.2	
24	84.95	548	13.19	36.5	
25	87.16	594	11.79	30.1	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad


Created: 3/25/2014 11:31:01 AM  
 Modified: 3/25/2014 12:10:55 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : s3d14p1 Soni 1:4**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
26	88.45	631	9.02	21.6	
27	88.97	647	8.25	19.3	
28	89.37	660	9.37	21.5	
29	90.42	692	11.36	24.9	
30	92.95	868	8.11	14.2	
31	93.79	930	4.87	7.9	
32	94.39	974	5.47	8.5	
33	95.32	1,087	4.31	6.0	
34	96.20	1,221	4.72	5.9	
35	97.57	1,429	3.72	4.0	
36	98.29	1,538	3.10	3.0	
37	99.26	1,685	3.68	3.3	
38	100.34	1,850	4.67	3.8	
39	101.19	1,978	3.40	2.6	
40	101.83	2,150	6.97	4.9	
41	102.67	2,407	4.00	2.5	
42	103.36	2,614	8.38	4.9	
43	105.20	3,455	4.76	2.1	
44	106.05	4,119	4.45	1.6	
45	 113.00	10,380	75.00	10.9	Upper Marker

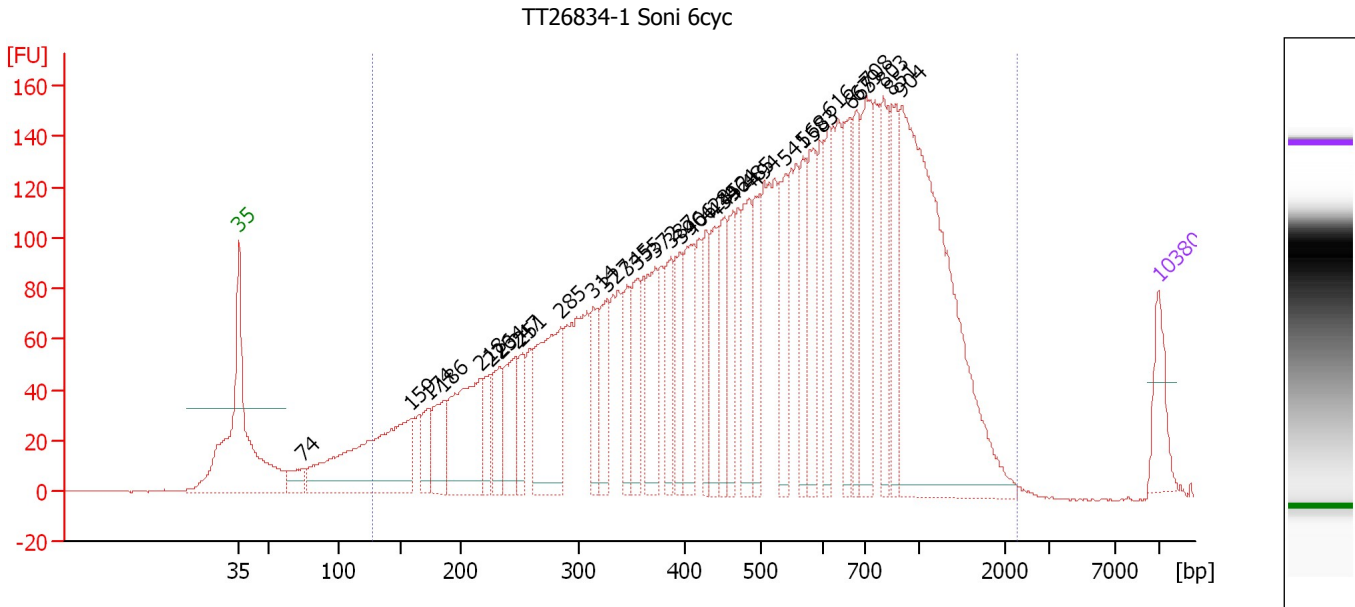
**Region table for sample 2 : s3d14p1 Soni 1:4**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
99	1,000	341	8,468.8	1,407.70	 1,075.2	92	45.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
 Modified: 3/25/2014 12:10:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : TT26834-1 Soni 6cyc**

Number of peaks found: 34                      Corr. Area 1: 5,384.2  
 Noise: 0.3

**Peak table for sample 3 : TT26834-1 Soni 6cyc**

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	47.87	74	57.84	1,184.9	
3	56.11	159	558.12	5,309.7	
4	57.45	174	81.73	712.0	
5	58.58	186	136.96	1,113.4	
6	61.42	218	330.45	2,300.3	
7	62.15	226	94.24	632.5	
8	62.88	234	114.10	739.4	
9	64.10	247	164.10	1,005.6	
10	64.47	251	91.62	552.4	
11	67.51	285	352.89	1,876.5	
12	69.99	314	118.24	571.0	
13	71.04	327	118.16	547.9	
14	72.50	345	114.68	503.9	
15	73.35	355	137.57	586.6	
16	74.69	372	173.93	708.6	
17	75.91	387	125.24	490.4	
18	76.64	396	133.65	511.4	
19	77.33	406	158.84	592.3	
20	78.59	428	101.64	359.5	
21	79.20	439	126.52	436.7	
22	79.97	452	144.85	485.0	
23	80.62	464	122.48	400.1	
24	81.83	485	175.56	548.3	
25	82.32	494	135.59	416.1	




Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad


Created: 3/25/2014 11:31:01 AM  
 Modified: 3/25/2014 12:10:55 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 3 : TT26834-1 Soni 6cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
26	84.63	541	151.46	424.2	
27	85.93	568	119.29	318.0	
28	86.62	583	162.49	422.5	
29	87.96	616	123.27	303.1	
30	89.54	665	146.63	333.9	
31	89.99	679	130.97	292.1	
32	90.76	708	238.60	510.9	
33	92.06	803	144.76	273.2	
34	92.71	851	139.70	248.9	
35	93.44	904	913.08	1,530.1	
36	 113.00	10,380	75.00	10.9	Upper Marker

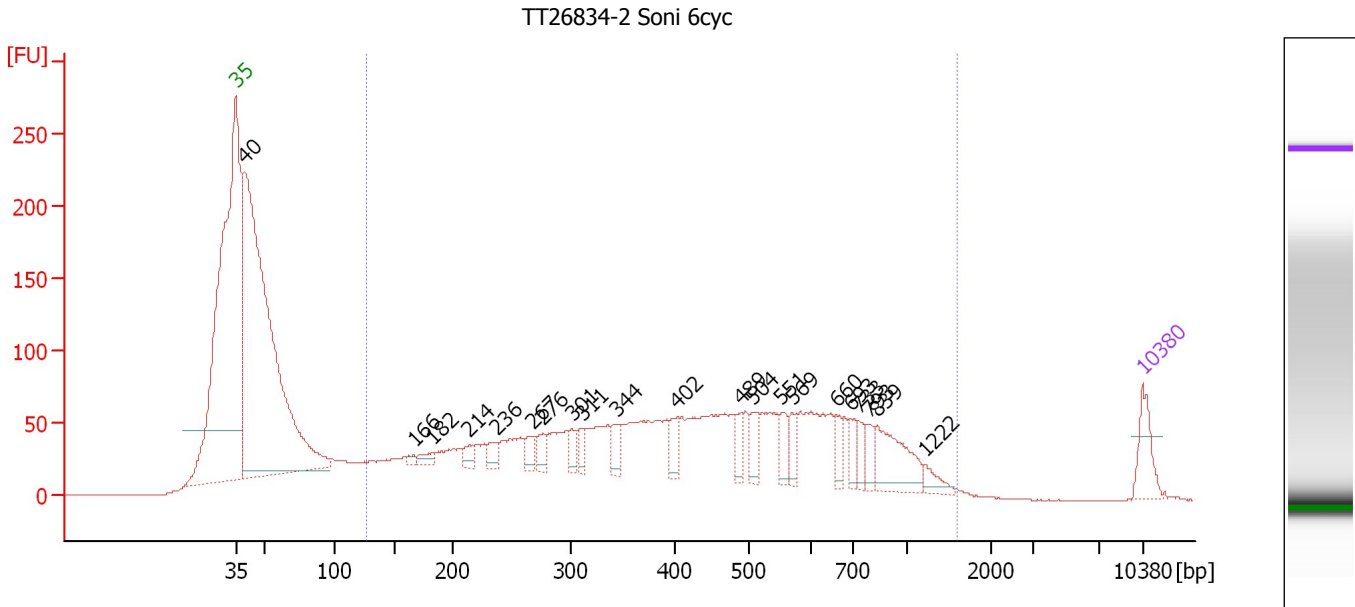
#### Region table for sample 3 : TT26834-1 Soni 6cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. for Area	% of Total	Size distribution in CV [%]
128	2,264	591	30,526.4	7,633.57	 5,384.2	97	56.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
 Modified: 3/25/2014 12:10:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : TT26834-2 Soni 6cyc**

Number of peaks found: 21                      Corr. Area 1: 2,803.6  
 Noise: 0.2

**Peak table for sample 4 : TT26834-2 Soni 6cyc**

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	43.70	40	2,680.47	102,663.7	
3	56.74	166	15.00	136.7	
4	58.23	182	34.83	289.2	
5	61.07	214	40.78	289.1	
6	63.12	236	45.11	289.1	
7	65.92	267	46.78	265.1	
8	66.74	276	49.28	270.1	
9	68.97	301	40.35	203.0	
10	69.79	311	40.86	198.9	
11	72.47	344	55.14	242.6	
12	77.07	402	60.81	229.3	
13	82.05	489	44.32	137.3	
14	82.88	504	61.65	185.3	
15	85.10	551	58.07	159.8	
16	85.96	569	47.30	126.0	
17	89.38	660	45.70	104.9	
18	90.45	693	50.18	109.6	
19	91.11	733	44.51	92.0	
20	91.93	793	41.56	79.4	
21	92.55	839	168.86	305.1	
22	96.21	1,222	33.50	41.5	
23	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
Modified: 3/25/2014 12:10:55 PM

**Electropherogram Summary Continued ...**

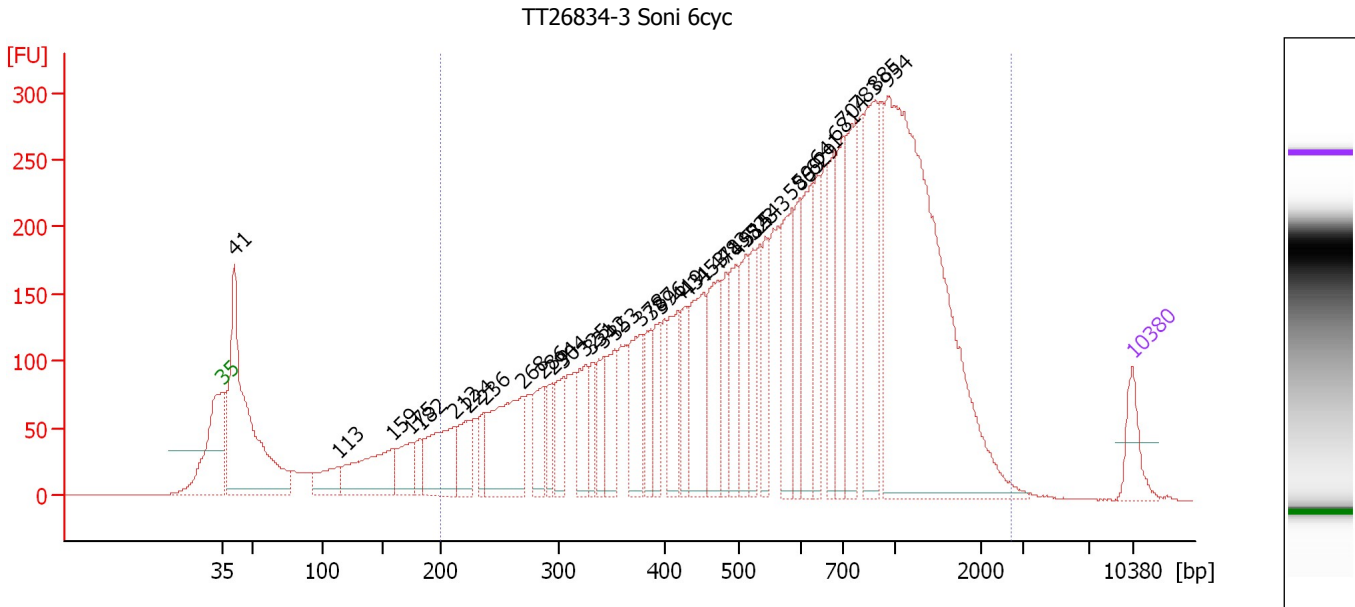
... Region table for sample 4 : TT26834-2 Soni 6cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
127	1,599	467	19,741.3	4,088.99	 2,803.6	62	52.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
 Modified: 3/25/2014 12:10:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : TT26834-3 Soni 6cyc**

Number of peaks found: 37                      Corr. Area 1: 8,239.2  
 Noise: 0.3

**Peak table for sample 5 : TT26834-3 Soni 6cyc**


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	43.90	41	1,075.16	39,845.9	
3	51.86	113	121.07	1,622.2	
4	56.09	159	310.95	2,962.0	
5	57.53	175	131.84	1,142.8	
6	58.18	182	66.11	550.4	
7	60.89	212	272.92	1,952.7	
8	62.00	224	140.62	951.2	
9	63.11	236	72.83	467.1	
10	66.02	268	393.45	2,220.6	
11	67.62	286	150.21	795.4	
12	68.32	294	80.56	415.4	
13	69.18	304	126.38	630.4	
14	70.90	325	144.74	674.7	
15	71.39	331	87.28	399.3	
16	72.26	342	121.75	539.7	
17	73.16	353	151.50	650.4	
18	75.21	378	200.04	801.2	
19	75.91	387	124.75	488.5	
20	76.65	396	119.44	457.0	
21	78.04	419	176.77	639.6	
22	78.74	431	111.04	390.4	
23	79.97	453	277.78	930.1	
24	81.04	471	241.35	776.1	
25	81.69	483	124.64	391.2	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
 Modified: 3/25/2014 12:10:55 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : TT26834-3 Soni 6cyc**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	82.55	498	163.85	498.8	
27	83.33	514	184.65	544.7	
28	83.79	523	122.39	354.5	
29	84.73	543	124.12	346.3	
30	86.78	586	224.23	579.7	
31	87.40	599	170.50	431.3	
32	88.38	629	220.27	530.5	
33	88.75	641	142.04	335.9	
34	90.06	681	174.73	388.5	
35	90.72	704	218.37	469.6	
36	91.79	783	278.31	538.7	
37	93.18	885	349.97	599.0	
38	94.13	954	1,481.43	2,351.7	
39	 113.00	10,380	75.00	10.9	Upper Marker

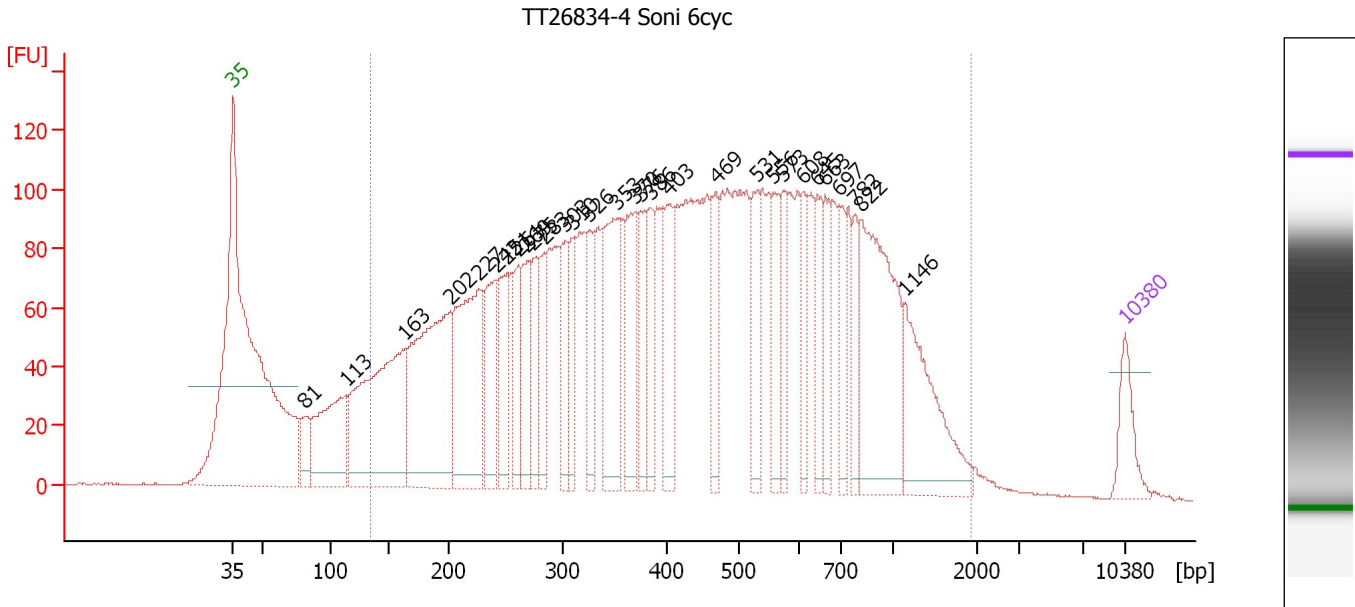
**Region table for sample 5 : TT26834-3 Soni 6cyc**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	2,726	720	25,483.7	8,058.68	 8,239.2	86	57.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
 Modified: 3/25/2014 12:10:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : TT26834-4 Soni 6cyc**

Number of peaks found: 30                      Corr. Area 1: 5,032.7  
 Noise: 0.3

**Peak table for sample 6 : TT26834-4 Soni 6cyc**


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	48.65	81	112.17	2,091.3	
3	51.88	113	389.51	5,212.7	
4	56.48	163	755.80	7,010.2	
5	60.04	202	740.34	5,543.1	
6	62.26	227	540.21	3,607.5	
7	63.60	242	238.14	1,492.9	
8	64.44	251	221.51	1,337.4	
9	65.36	261	151.75	880.5	
10	66.07	269	173.19	975.5	
11	66.57	275	154.20	851.0	
12	67.37	283	132.90	710.7	
13	69.08	303	163.63	819.3	
14	69.67	310	133.09	650.8	
15	70.97	326	131.88	613.2	
16	73.14	353	335.31	1,440.2	
17	74.53	370	234.25	959.7	
18	74.99	376	155.82	628.7	
19	75.82	386	124.73	489.8	
20	77.16	403	178.37	669.9	
21	80.89	469	156.95	507.5	
22	84.15	531	156.58	446.9	
23	85.37	556	133.74	364.2	
24	86.16	573	114.67	303.2	
25	87.71	608	109.95	273.9	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad


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### Electropherogram Summary Continued ...

#### ... Peak table for sample 6 : TT26834-4 Soni 6cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
26	88.89	645	108.86	255.8	
27	89.47	663	131.30	300.0	
28	90.56	697	105.82	230.1	
29	91.77	782	97.09	188.2	
30	92.32	822	477.98	881.2	
31	95.71	1,146	276.10	365.0	
32	 113.00	10,380	75.00	10.9	Upper Marker

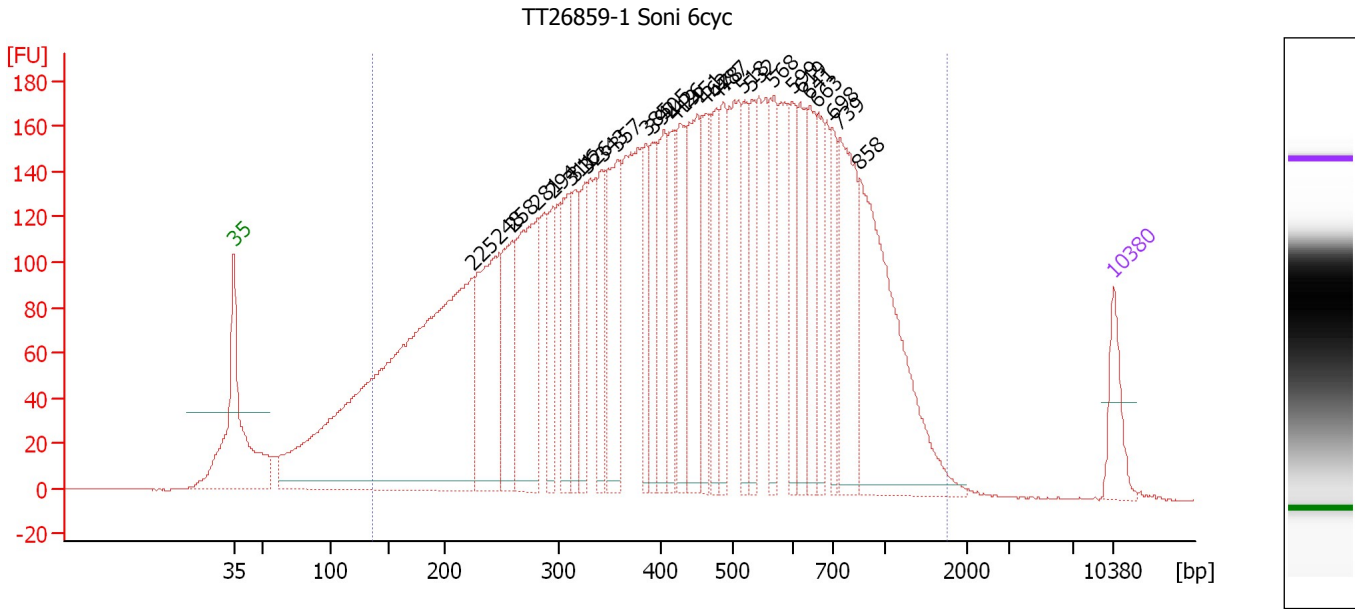
#### Region table for sample 6 : TT26834-4 Soni 6cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
134	1,940	500	42,384.7	9,149.65	 5,032.7	93	59.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : TT26859-1 Soni 6cyc**

Number of peaks found: 29                      Corr. Area 1: 7,641.1  
 Noise: 0.2

**Peak table for sample 7 : TT26859-1 Soni 6cyc**

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	62.05	225	1,939.15	13,083.2	
3	64.13	248	478.87	2,931.0	
4	65.10	258	262.29	1,538.4	
5	67.14	281	471.10	2,541.6	
6	68.37	294	169.84	874.0	
7	69.73	311	213.07	1,039.6	
8	70.19	316	139.62	668.8	
9	71.00	326	149.30	693.3	
10	72.32	343	182.11	805.6	
11	73.50	357	307.04	1,302.4	
12	75.79	385	147.55	579.9	
13	76.35	392	156.91	606.0	
14	77.24	405	198.53	743.3	
15	78.04	419	156.95	567.8	
16	78.47	426	190.10	675.8	
17	79.91	451	272.98	916.1	
18	80.50	462	158.82	521.0	
19	81.44	478	190.18	602.6	
20	81.95	487	138.11	429.6	
21	83.56	518	134.38	392.8	
22	84.19	532	132.15	376.5	
23	85.93	568	173.47	462.5	
24	87.42	599	146.00	369.0	
25	88.05	619	154.05	377.1	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

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### Electropherogram Summary Continued ...

#### ... Peak table for sample 7 : TT26859-1 Soni 6cyc

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	88.78	641	161.90	382.4	
27	89.45	663	123.93	283.4	
28	90.60	698	111.23	241.4	
29	91.19	739	297.87	610.5	
30	92.81	858	575.22	1,016.2	
31	113.00	10,380	75.00	10.9	Upper Marker

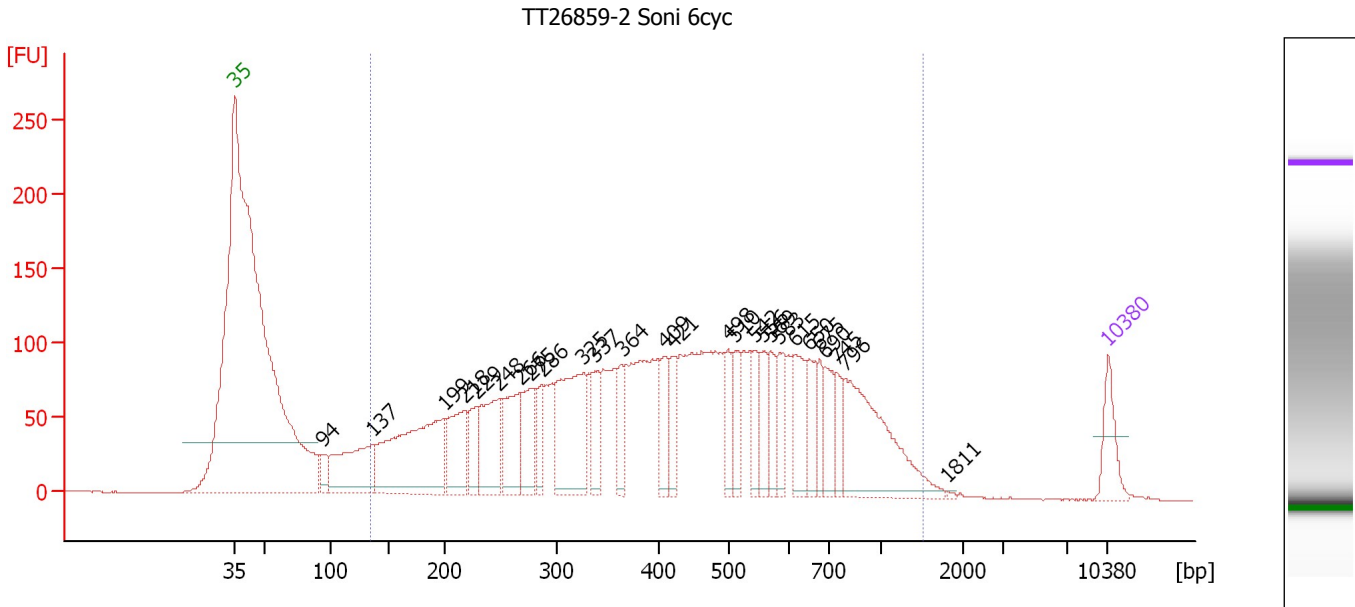
#### Region table for sample 7 : TT26859-1 Soni 6cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
137	1,757	485	42,317.7	9,406.52	7,641.1	94	52.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : TT26859-2 Soni 6cyc**

Number of peaks found: 27                      Corr. Area 1: 4,392.0  
 Noise: 0.2

**Peak table for sample 8 : TT26859-2 Soni 6cyc**

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	49.97	94	49.93	808.4	
3	54.03	137	322.35	3,574.3	
4	59.76	199	595.98	4,530.7	
5	61.47	218	215.66	1,497.4	
6	62.46	229	115.41	763.4	
7	64.12	248	234.68	1,436.6	
8	65.83	266	211.28	1,201.6	
9	66.65	275	162.56	894.4	
10	67.63	286	81.85	433.2	
11	70.92	325	378.82	1,764.3	
12	71.91	337	101.56	456.0	
13	74.04	364	81.68	340.1	
14	77.47	409	103.79	384.8	
15	78.15	421	97.49	351.1	
16	82.55	498	77.81	236.8	
17	83.15	510	99.88	296.8	
18	84.69	542	78.69	219.9	
19	85.33	556	98.62	268.9	
20	85.97	569	79.89	212.7	
21	86.62	583	88.37	229.8	
22	87.94	615	134.13	330.2	
23	89.05	650	87.35	203.6	
24	89.87	675	62.13	139.4	
25	90.34	690	95.92	210.6	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : TT26859-2 Soni 6cyc**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	91.28	745	59.43	120.8	
27	91.96	796	386.23	735.5	
28	100.09	1,811	3.08	2.6	
29	113.00	10,380	75.00	10.9	Upper Marker

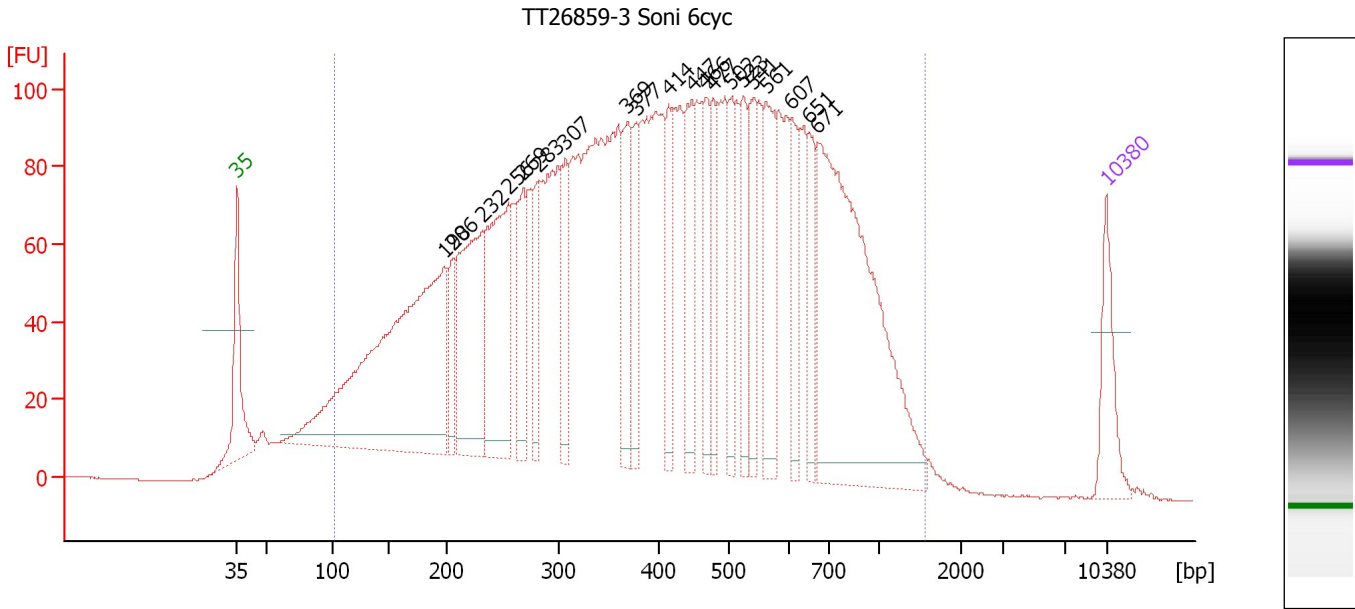
**Region table for sample 8 : TT26859-2 Soni 6cyc**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
136	1,517	467	24,974.9	5,399.04	4,392.0	94	50.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : TT26859-3 Soni 6cyc**

Number of peaks found: 20                      Corr. Area 1: 4,727.3  
 Noise: 0.2

**Peak table for sample 9 : TT26859-3 Soni 6cyc**

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	59.66	198	941.85	7,199.4	
3	60.39	206	83.09	610.3	
4	62.75	232	355.00	2,314.7	
5	64.86	256	343.63	2,036.7	
6	66.06	269	141.02	794.5	
7	67.31	283	97.98	525.2	
8	69.45	307	115.20	568.2	
9	74.44	369	136.23	559.8	
10	75.12	377	97.27	390.7	
11	77.74	414	95.94	351.5	
12	79.63	447	139.05	471.7	
13	80.75	466	102.36	332.7	
14	81.35	477	94.29	299.7	
15	82.77	502	100.33	303.0	
16	83.80	523	103.72	300.2	
17	84.61	541	121.43	340.4	
18	85.60	561	154.66	417.5	
19	87.66	607	94.11	235.0	
20	89.08	651	85.10	198.1	
21	89.72	671	688.79	1,555.5	
22	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
Modified: 3/25/2014 12:10:55 PM

**Electropherogram Summary Continued ...**

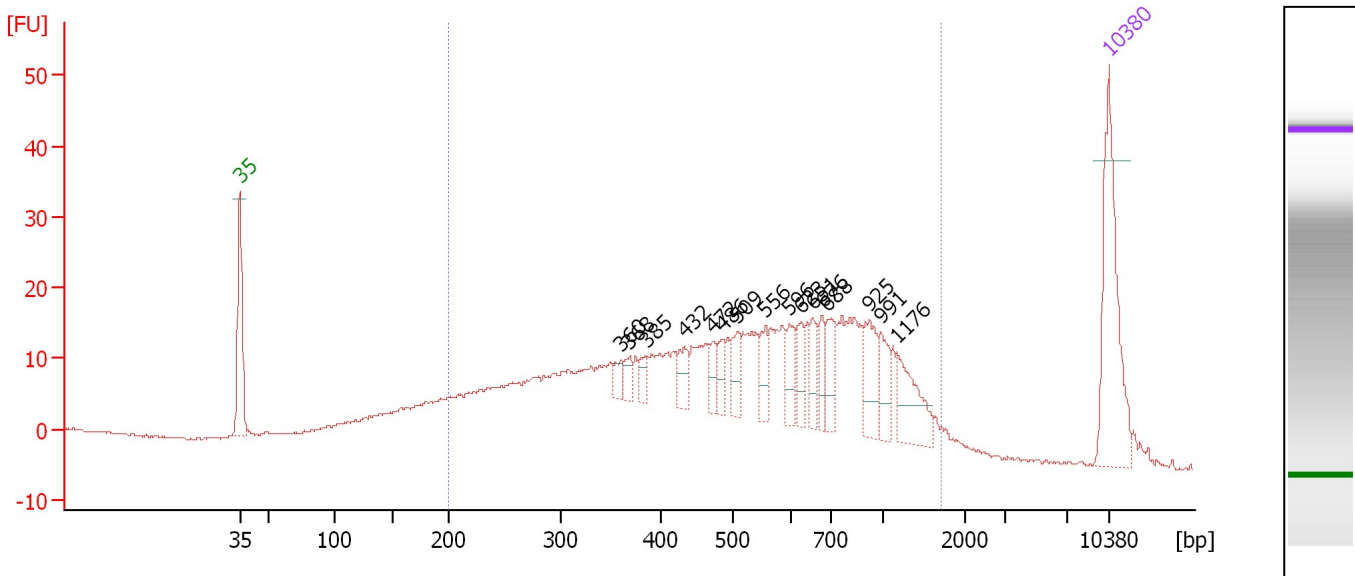
... Region table for sample 9 : TT26859-3 Soni 6cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
102	1,551	448	36,483.7	7,187.19	4,727.3	96	51.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 :**

Number of peaks found: 16      Corr. Area 1: 663.6  
 Noise: 0.1

**Peak table for sample 10 :**

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	73.71	360	9.65	40.6	
3	74.39	368	10.24	42.1	
4	75.77	385	10.75	42.3	
5	78.82	432	16.40	57.5	
6	81.09	472	11.78	37.8	
7	81.87	486	13.14	41.0	
8	83.11	509	18.18	54.1	
9	85.34	556	17.59	47.9	
10	87.23	596	19.30	49.1	
11	88.18	623	17.69	43.0	
12	89.08	651	17.43	40.6	
13	89.90	676	15.59	34.9	
14	90.28	688	21.81	48.0	
15	93.72	925	29.72	48.7	
16	94.62	991	21.98	33.6	
17	95.91	1,176	36.75	47.3	
18	113.00	10,380	75.00	10.9	Upper Marker

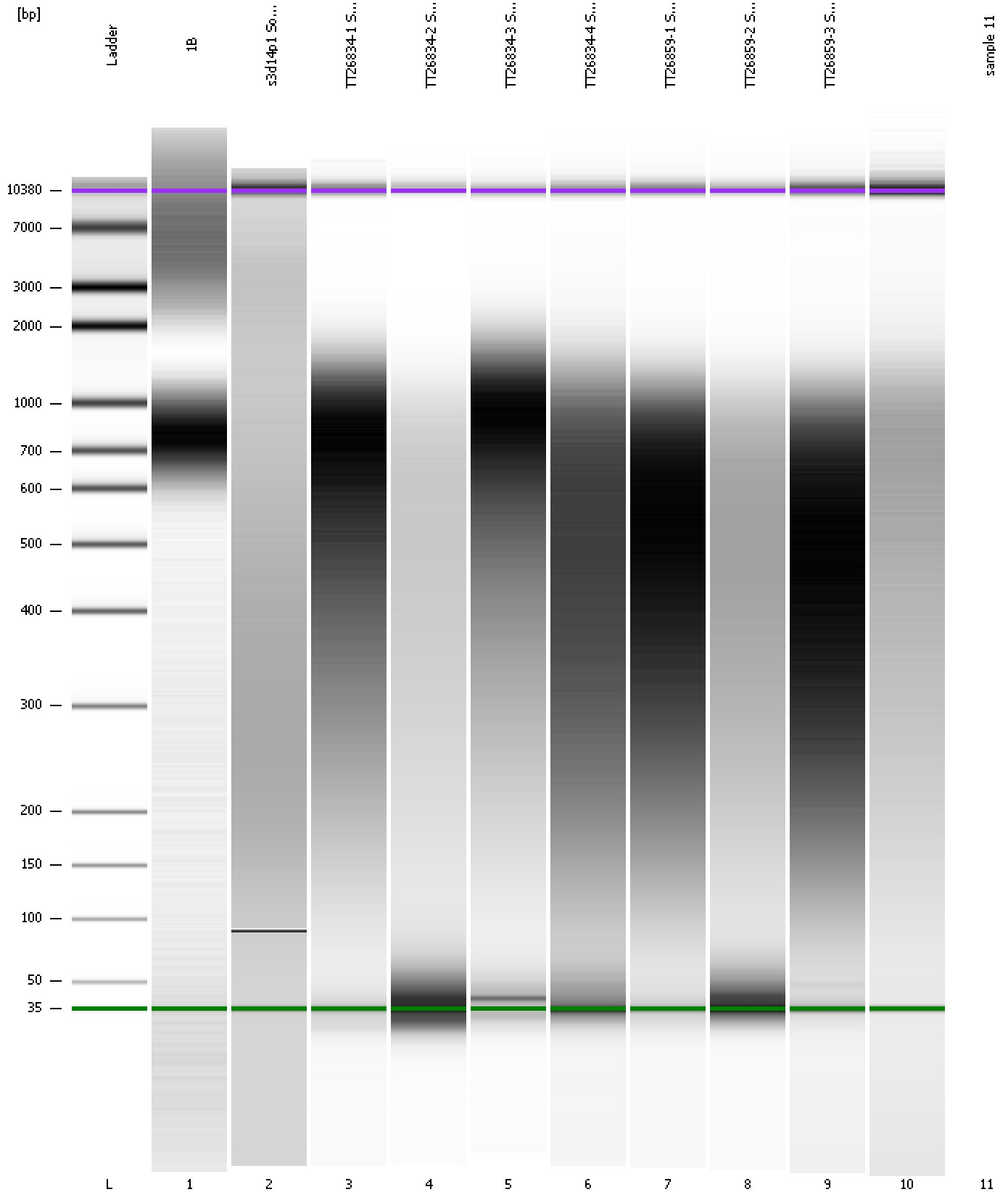
**Region table for sample 10 :**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,719	584	4,048.0	1,121.92	663.6	88	52.3

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
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**Gel Image**

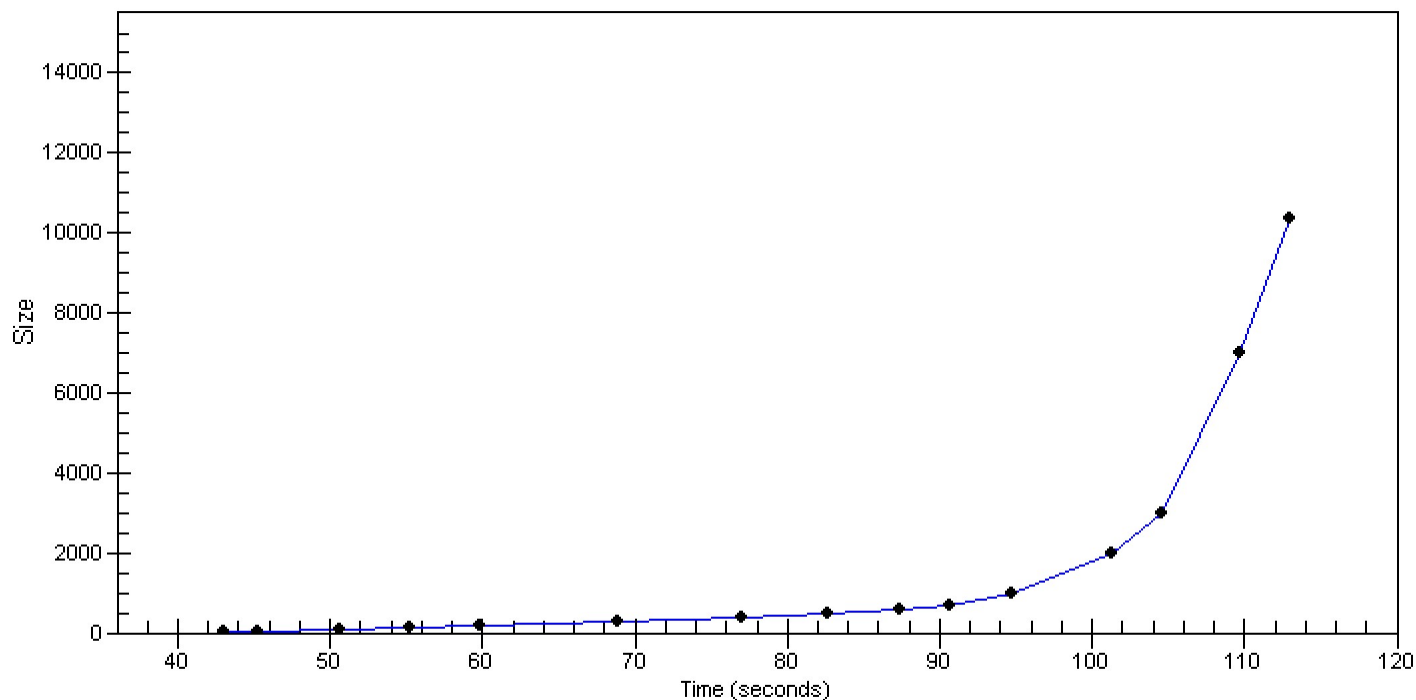


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
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**Curves**

**Standard Curve**





Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
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**Invalid Samples**

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-25\2014-03-25\_003.xad

Created: 3/25/2014 11:31:01 AM  
 Modified: 3/25/2014 12:10:55 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		3/25/2014 12:09:28 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-03-25\2014-03-25_003.xad)		Instrument	Run		3/25/2014 11:31:06 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/25/2014 11:31:06 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/25/2014 11:31:06 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/25/2014 11:31:06 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/25/2014 11:31:06 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/25/2014 11:31:06 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/25/2014 11:31:06 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1