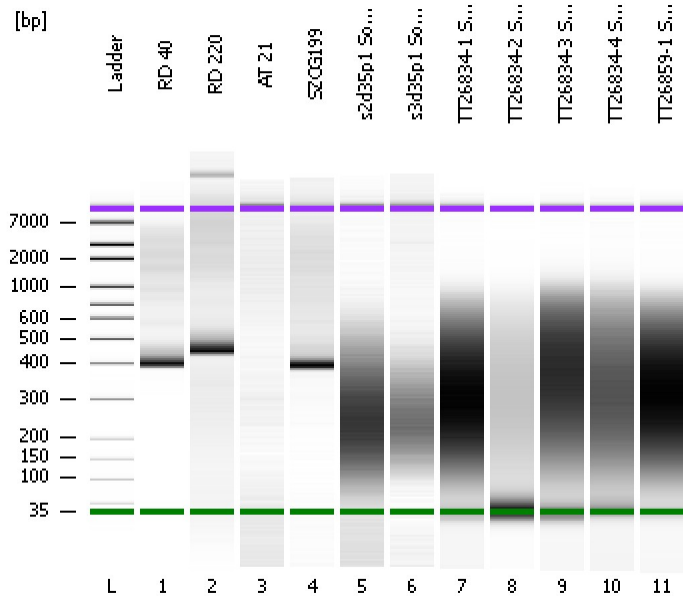


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
Modified: 3/24/2014 12:37:59 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

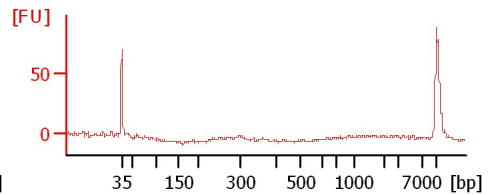
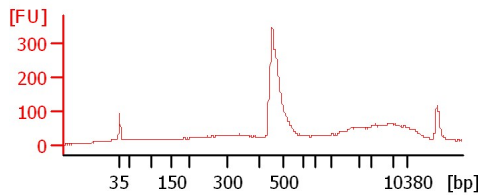
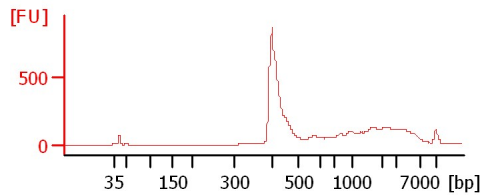
#### Chip Information:

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

RD 40

RD 220

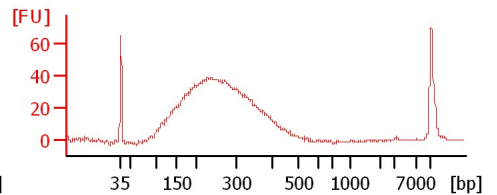
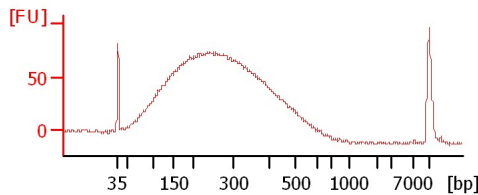
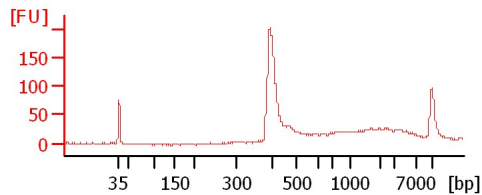
AT 21



SZCG199

s2d35p1 Soni 1:4

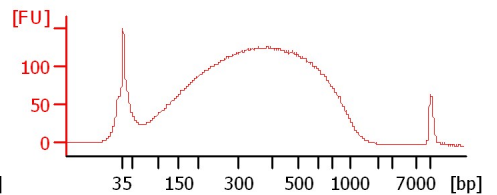
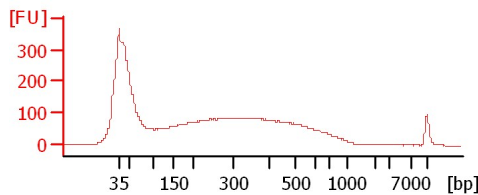
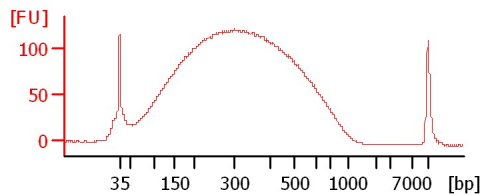
s3d35p1 Soni 1:4



TT26834-1 Soni 1:4 8cyc

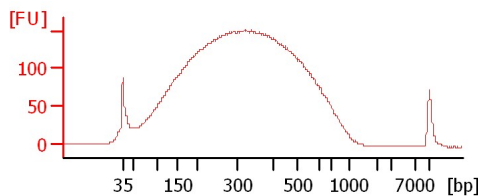
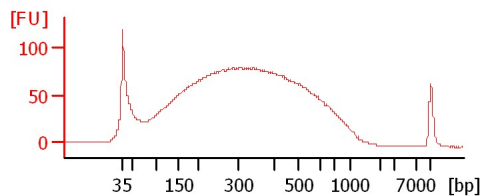
TT26834-2 Soni 1:4 8cyc

TT26834-3 Soni 1:4 8cyc



TT26834-4 Soni 1:4 8cyc

TT26859-1 Soni 1:4 8cyc



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
Modified: 3/24/2014 12:37:59 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RD 40		<input type="checkbox"/>	✓			
RD 220		<input type="checkbox"/>	✓			
AT 21		<input type="checkbox"/>	✓			
SZCG199		<input type="checkbox"/>	✓			
s2d35p1 Soni 1:4		<input type="checkbox"/>	✓			
s3d35p1 Soni 1:4		<input type="checkbox"/>	✓			
TT26834-1 Soni 1:4 8cyc		<input type="checkbox"/>	✓			
TT26834-2 Soni 1:4 8cyc		<input type="checkbox"/>	✓			
TT26834-3 Soni 1:4 8cyc		<input type="checkbox"/>	✓			
TT26834-4 Soni 1:4 8cyc		<input type="checkbox"/>	✓			
TT26859-1 Soni 1:4 8cyc		<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\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 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

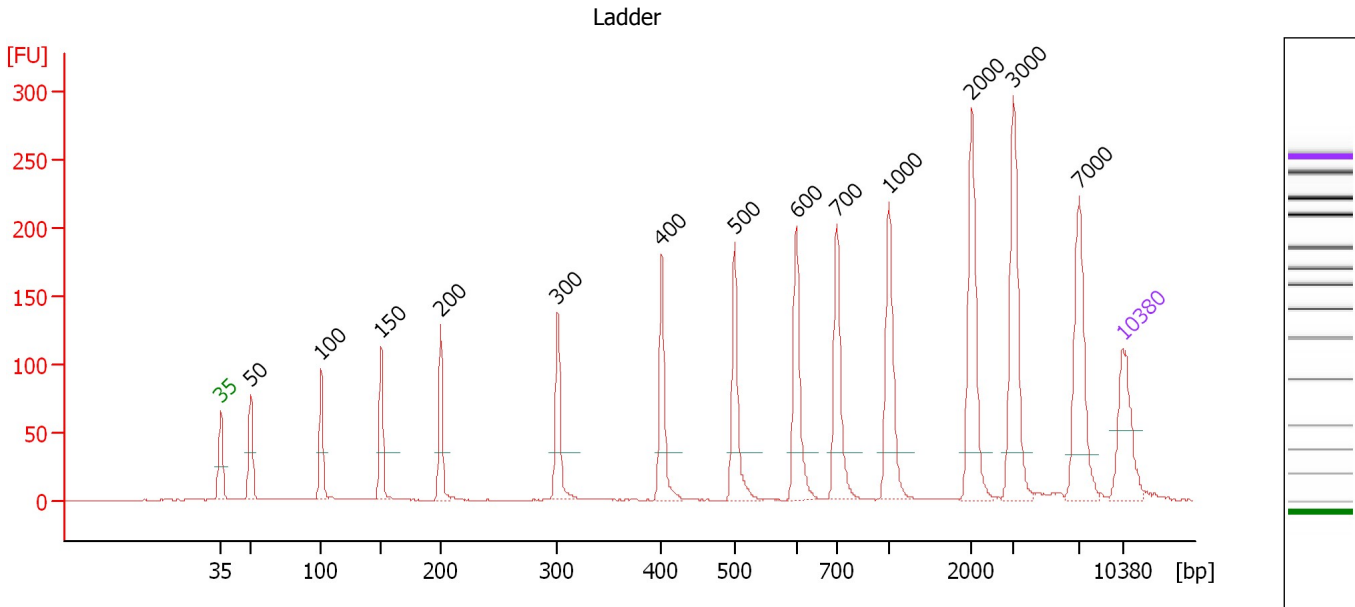
**Ladder**

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\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

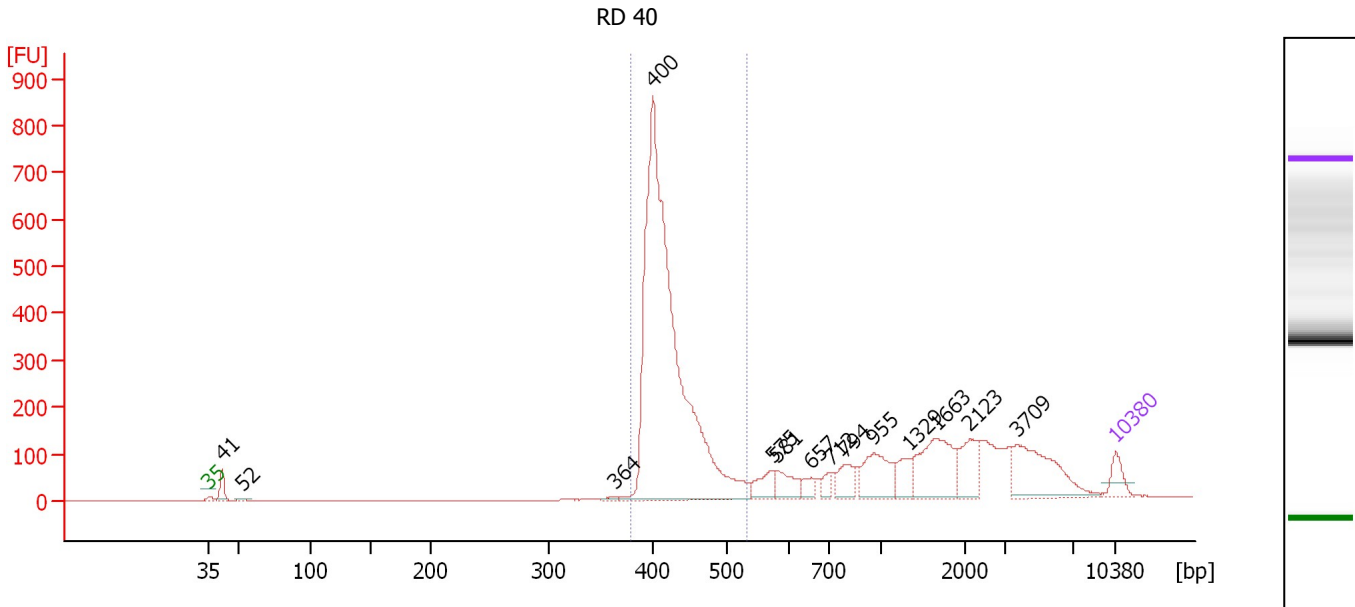
**Peak table for Ladder**

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	45.32	50	150.00	4,545.5	Ladder Peak
3	50.82	100	150.00	2,272.7	Ladder Peak
4	55.46	150	150.00	1,515.2	Ladder Peak
5	60.10	200	150.00	1,136.4	Ladder Peak
6	69.16	300	150.00	757.6	Ladder Peak
7	77.23	400	150.00	568.2	Ladder Peak
8	82.91	500	150.00	454.5	Ladder Peak
9	87.71	600	150.00	378.8	Ladder Peak
10	90.85	700	150.00	324.7	Ladder Peak
11	94.91	1,000	150.00	227.3	Ladder Peak
12	101.33	2,000	150.00	113.6	Ladder Peak
13	104.51	3,000	150.00	75.8	Ladder Peak
14	109.65	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\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : RD 40**

Number of peaks found: 14                      Corr. Area 1: 3,057.7  
 Noise: 0.1

**Peak table for sample 1 : RD 40**

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	43.99	41	115.13	4,214.2	
3	45.51	52	13.22	387.0	
4	74.29	364	14.04	58.5	
5	77.26	400	3,469.74	13,128.7	
6	86.52	575	114.03	300.3	
7	86.81	581	126.52	329.7	
8	89.49	657	51.17	118.1	
9	91.01	712	54.29	115.6	
10	92.12	794	116.83	223.0	
11	94.31	955	237.55	376.8	
12	97.02	1,329	110.85	126.3	
13	99.16	1,663	352.62	321.2	
14	101.72	2,123	155.03	110.7	
15	105.42	3,709	356.49	145.6	
16	113.00	10,380	75.00	10.9	Upper Marker

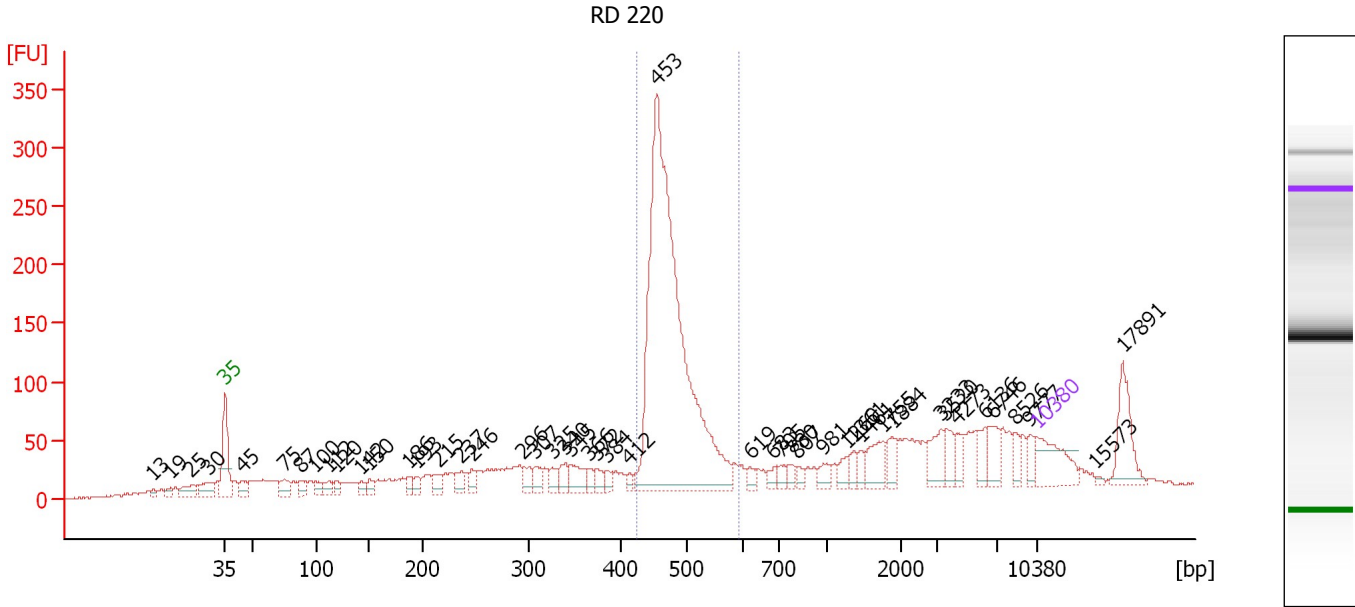
**Region table for sample 1 : RD 40**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
379	533	422	12,030.7	3,341.13	3,057.7	57	7.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : RD 220**

Number of peaks found: 47                      Corr. Area 1: 1,254.5  
 Noise: 0.9

**Peak table for sample 2 : RD 220**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	36.79	13	0.00	0.0	
2	38.35	19	0.00	0.0	
3	40.06	25	0.00	0.0	
4	41.53	30	0.00	0.0	
5	43.00	35	125.00	5,411.3	Lower Marker
6	44.52	45	35.87	1,212.6	
7	48.06	75	40.17	812.8	
8	49.44	87	22.15	383.9	
9	50.82	100	22.90	347.1	
10	51.97	112	26.71	360.2	
11	52.66	120	19.97	252.6	
12	54.73	142	16.43	175.1	
13	55.46	150	20.34	205.4	
14	58.82	186	18.91	153.9	
15	59.47	193	21.69	170.1	
16	61.49	215	27.56	193.9	
17	63.42	237	28.87	184.9	
18	64.29	246	24.99	153.7	
19	68.76	296	29.37	150.6	
20	69.77	307	29.55	145.6	
21	71.19	325	24.56	114.4	
22	72.39	340	29.63	132.0	
23	72.76	345	49.54	217.9	
24	74.46	366	16.35	67.8	
25	75.01	372	22.37	91.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad


Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : RD 220**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	75.93	384	17.28	68.2	
27	77.91	412	11.34	41.7	
28	80.25	453	1,276.43	4,267.0	
29	88.30	619	15.99	39.1	
30	90.33	683	15.89	35.2	
31	90.92	705	17.51	37.6	
32	91.94	780	14.94	29.0	
33	92.30	807	13.45	25.2	
34	94.65	981	21.55	33.3	
35	96.58	1,260	20.18	24.3	
36	97.22	1,361	16.12	18.0	
37	97.87	1,461	17.55	18.2	
38	99.75	1,755	49.20	42.5	
39	100.58	1,884	28.82	23.2	
40	104.81	3,233	48.80	22.9	
41	105.18	3,520	31.38	13.5	
42	106.15	4,273	24.97	8.9	
43	108.54	6,136	31.66	7.8	
44	109.32	6,746	40.93	9.2	
45	111.16	8,526	19.03	3.4	
46	112.40	9,777	20.25	3.1	
47	113.00	10,380	75.00	10.9	Upper Marker
48	118.15	15,573	0.00	0.0	
49	120.45	17,891	0.00	0.0	

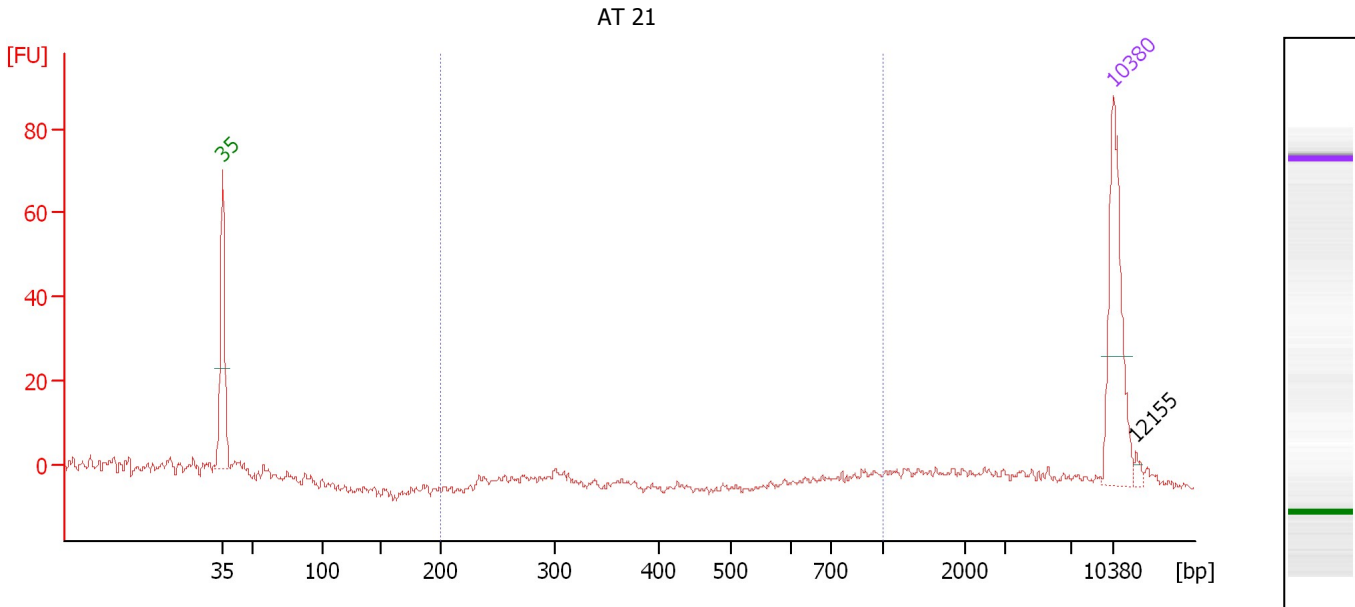
**Region table for sample 2 : RD 220**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
423	592	477	3,984.6	1,249.50	 1,254.5	39	7.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : AT 21**

Number of peaks found: 1                      Corr. Area 1: 3.1  
 Noise: 1.0

**Peak table for sample 3 : AT 21**

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
3	114.76	12,155	0.00	0.0	

**Region table for sample 3 : AT 21**

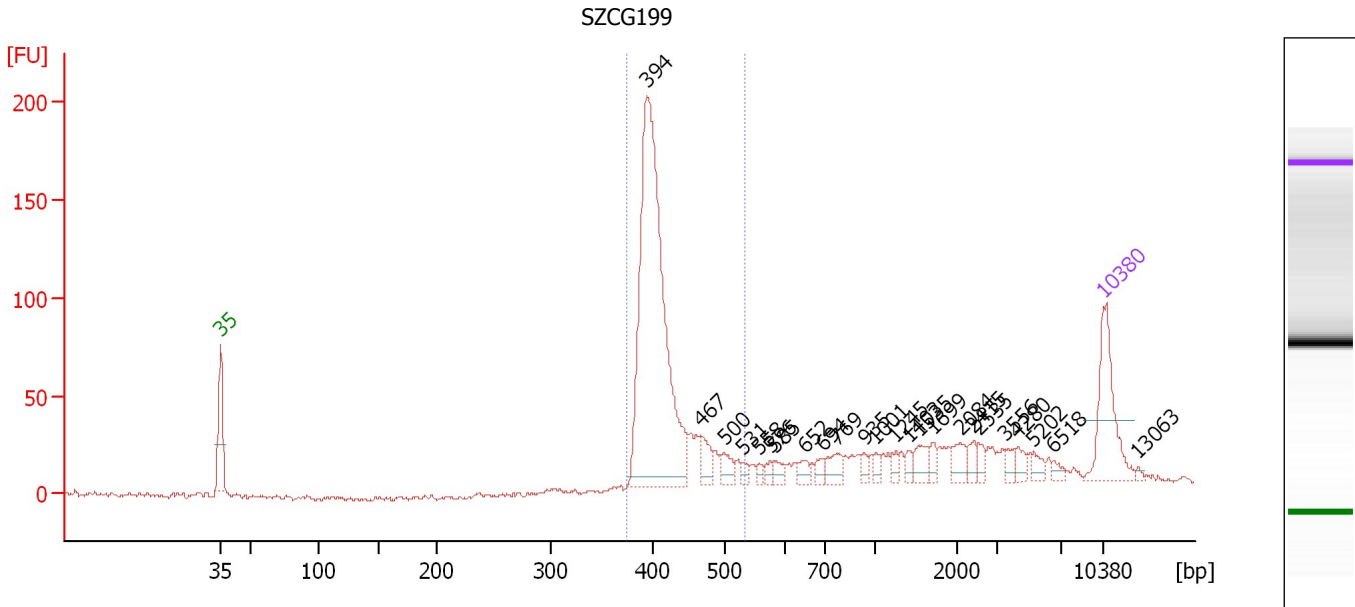
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	878	5.7	3.06	3.1	7	14.0



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : SZCG199**

Number of peaks found: 24                      Corr. Area 1: 684.7  
 Noise: 1.1

**Peak table for sample 4 : SZCG199**

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	76.75	394	563.05	2,165.0	
3	81.02	467	28.63	92.9	
4	82.88	500	19.94	60.5	
5	84.40	531	7.72	22.0	
6	85.71	558	6.23	16.9	
7	86.55	576	8.30	21.8	
8	86.98	585	11.42	29.6	
9	89.34	652	12.39	28.8	
10	90.65	694	11.25	24.6	
11	91.79	769	20.28	39.9	
12	94.03	935	7.27	11.8	
13	94.92	1,001	8.22	12.4	
14	96.48	1,245	7.05	8.6	
15	97.50	1,403	7.50	8.1	
16	98.34	1,535	17.91	17.7	
17	99.40	1,699	9.11	8.1	
18	101.59	2,084	16.11	11.7	
19	102.65	2,415	11.08	7.0	
20	103.03	2,535	8.99	5.4	
21	105.23	3,556	8.25	3.5	
22	106.16	4,280	10.68	3.8	
23	107.34	5,202	10.39	3.0	
24	109.03	6,518	6.15	1.4	
25	113.00	10,380	75.00	10.9	Upper Marker


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...****... Peak table for sample 4 : SZCG199**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations
26	115.66	13,063	0.00	0.0	

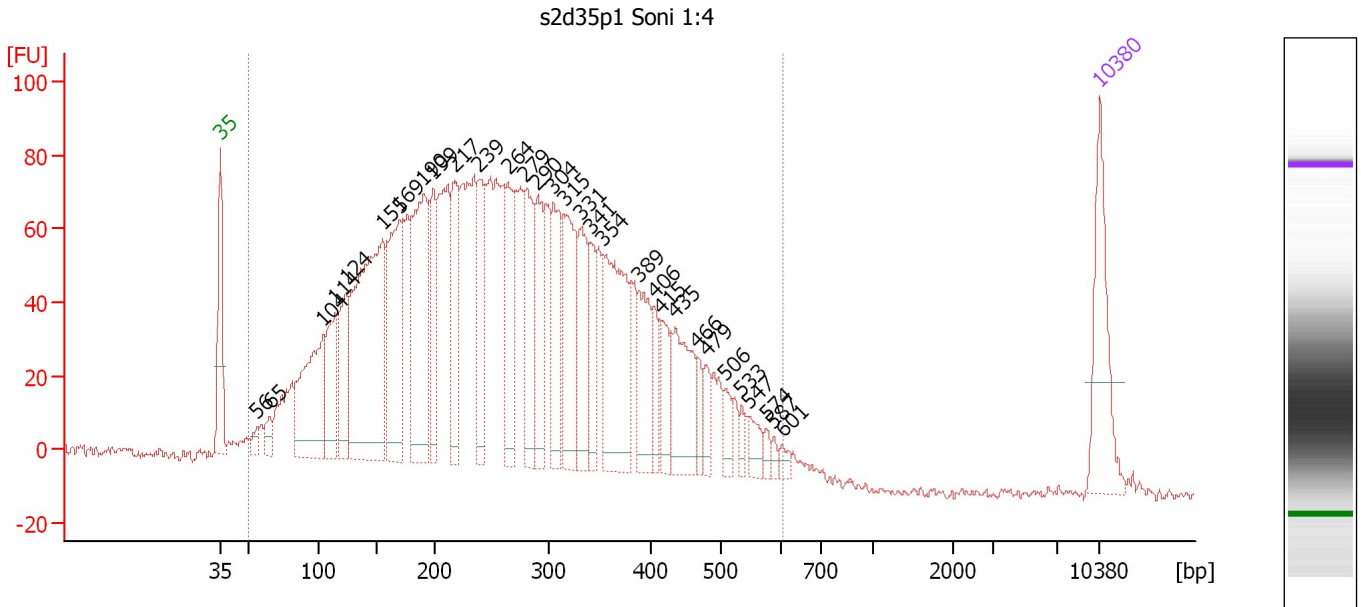
**Region table for sample 4 : SZCG199**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
375	534	416	2,373.2	648.37	 684.7	64	8.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : s2d35p1 Soni 1:4**

Number of peaks found: 31                      Corr. Area 1: 3,349.5  
 Noise: 1.5

**Peak table for sample 5 : s2d35p1 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	45.97	56	14.24	385.8	
3	46.95	65	20.14	470.9	
4	51.24	104	179.79	2,608.4	
5	52.13	114	100.23	1,331.5	
6	53.02	124	102.79	1,259.3	
7	55.95	155	372.18	3,632.2	
8	57.26	169	191.57	1,712.9	
9	59.17	190	224.47	1,789.6	
10	59.98	199	84.21	642.0	
11	61.68	217	102.63	715.1	
12	63.59	239	80.30	510.1	
13	65.92	264	102.13	585.5	
14	67.28	279	95.91	520.4	
15	68.26	290	91.25	476.7	
16	69.49	304	95.56	476.2	
17	70.38	315	124.53	598.8	
18	71.65	331	85.55	391.8	
19	72.50	341	56.91	252.6	
20	73.52	354	175.89	752.8	
21	76.32	389	71.01	276.8	
22	77.60	406	30.81	114.9	
23	78.06	415	45.24	165.3	
24	79.21	435	86.23	300.5	
25	80.99	466	20.66	67.1	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad


Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 5 : s2d35p1 Soni 1:4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	81.71	479	23.51	74.4	
27	83.20	506	18.08	54.1	
28	84.47	533	11.06	31.5	
29	85.15	547	18.49	51.2	
30	86.47	574	8.19	21.6	
31	87.06	587	6.02	15.5	
32	87.74	601	7.94	20.0	
33	113.00	10,380	75.00	10.9	Upper Marker

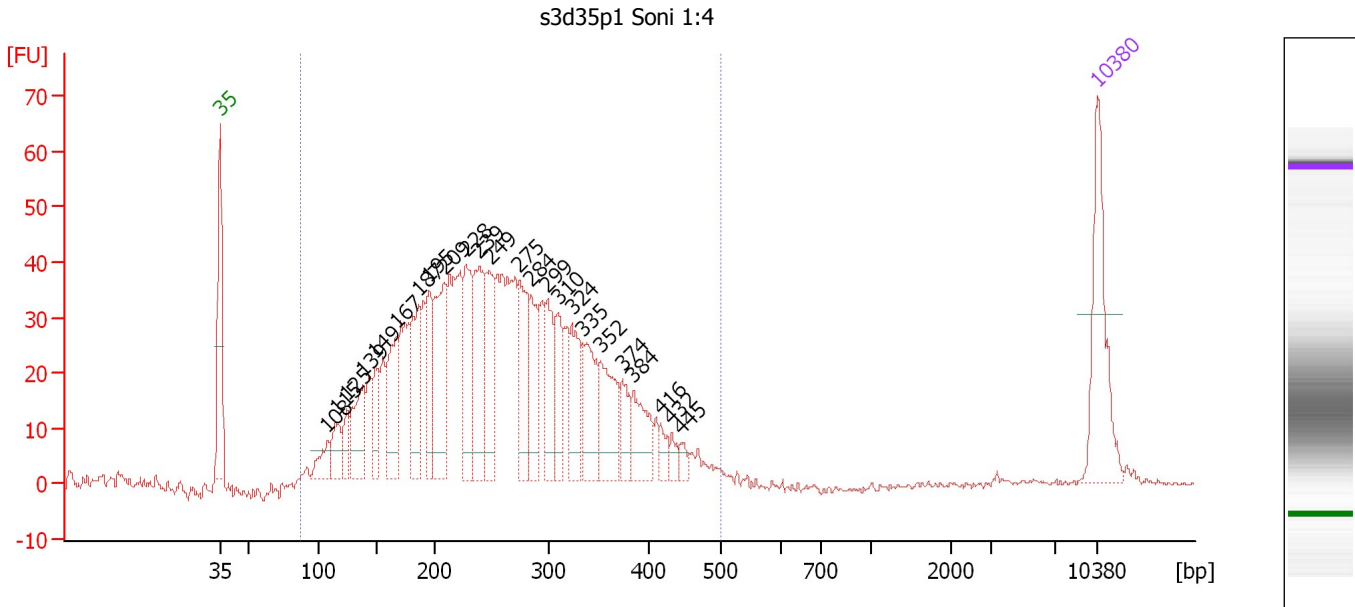
#### Region table for sample 5 : s2d35p1 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
49	606	271	29,448.0	3,799.98	 3,349.5	99	41.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : s3d35p1 Soni 1:4**

Number of peaks found: 24                      Corr. Area 1: 1,205.7  
 Noise: 0.5

**Peak table for sample 6 : s3d35p1 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	51.55	108	27.49	386.3	
3	52.23	115	33.55	441.5	
4	53.12	125	24.87	302.0	
5	54.44	139	69.42	756.7	
6	55.38	149	40.99	416.6	
7	57.08	167	78.70	712.2	
8	58.86	187	84.34	684.5	
9	59.67	195	63.79	494.6	
10	60.90	209	112.27	814.3	
11	62.61	228	90.35	601.3	
12	63.63	239	105.99	672.1	
13	64.52	249	75.43	459.4	
14	66.86	275	69.20	381.9	
15	67.75	284	63.06	335.9	
16	69.11	299	58.31	295.1	
17	69.96	310	50.36	246.2	
18	71.07	324	60.04	281.1	
19	72.00	335	66.69	301.5	
20	73.36	352	67.78	291.7	
21	75.11	374	29.18	118.3	
22	75.96	384	47.38	186.8	
23	78.13	416	13.30	48.5	
24	79.02	432	10.12	35.5	
25	79.79	445	7.94	27.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 6 : s3d35p1 Soni 1:4

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

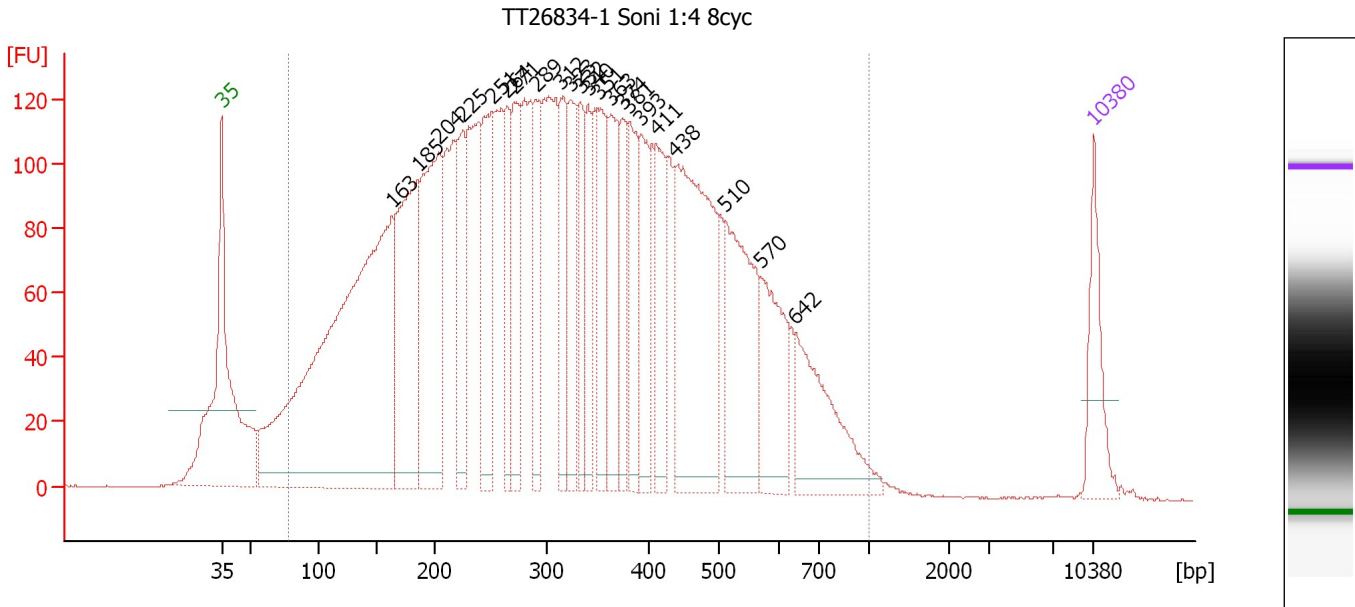
#### Region table for sample 6 : s3d35p1 Soni 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
87	501	259	14,430.2	2,089.28	1,205.7	98	31.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : TT26834-1 Soni 1:4 8cyc**

Number of peaks found: 22                      Corr. Area 1: 5,994.0  
 Noise: 0.2

**Peak table for sample 7 : TT26834-1 Soni 1:4 8cyc**


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	56.65	163	1,323.48	12,315.6	
3	58.75	185	427.06	3,489.4	
4	60.41	204	418.52	3,116.0	
5	62.34	225	167.64	1,130.1	
6	64.69	251	223.49	1,350.7	
7	65.93	264	124.64	714.3	
8	66.49	271	181.20	1,014.8	
9	68.20	289	146.91	769.1	
10	70.17	312	130.81	634.3	
11	71.03	323	151.88	712.3	
12	71.75	332	106.54	486.1	
13	72.39	340	103.47	461.0	
14	73.25	351	139.03	600.8	
15	74.23	363	155.39	648.9	
16	75.13	374	100.20	406.0	
17	75.73	381	123.35	490.0	
18	76.63	393	136.77	527.9	
19	77.87	411	141.46	521.2	
20	79.37	438	448.12	1,551.4	
21	83.39	510	266.75	792.3	
22	86.26	570	160.92	427.9	
23	89.04	642	190.67	449.8	
24	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**

... Region table for sample 7 : TT26834-1 Soni 1:4 8cyc

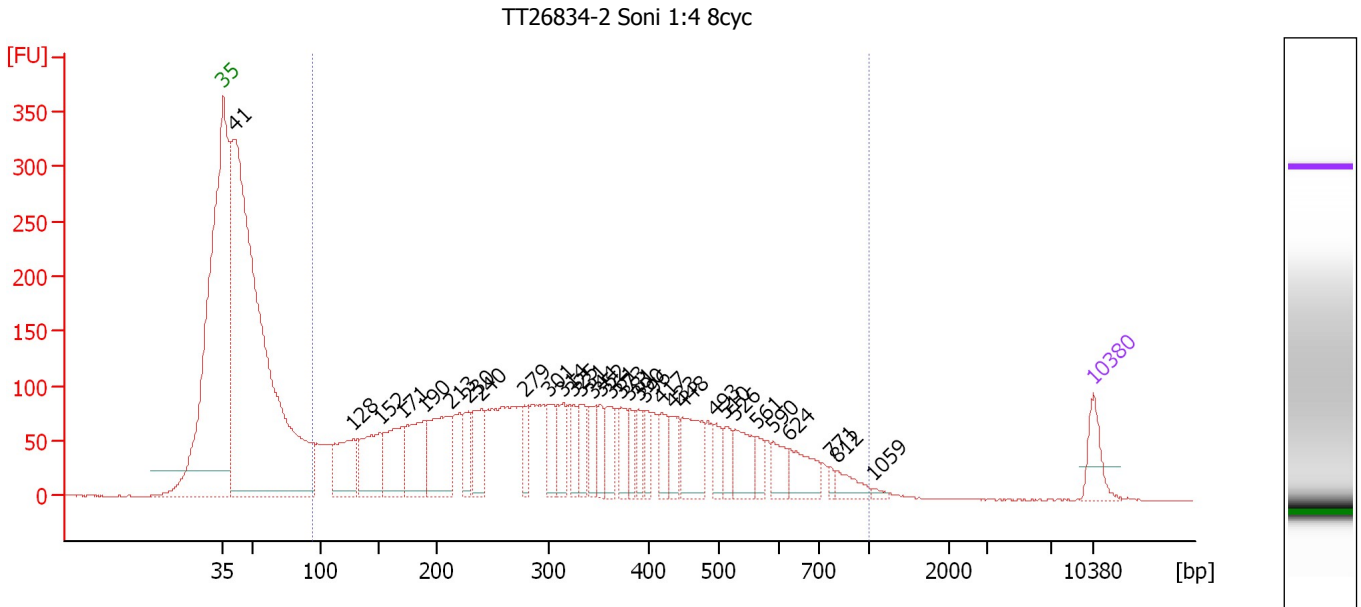
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
78	1,000	337	45,814.7	7,014.13	 5,994.0	97	46.6



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : TT26834-2 Soni 1:4 8cyc**

Number of peaks found: 32                      Corr. Area 1: 4,349.2  
 Noise: 0.1

**Peak table for sample 8 : TT26834-2 Soni 1:4 8cyc**

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	3,817.42	141,665.5	
3	53.47	128	290.61	3,426.8	
4	55.61	152	285.36	2,851.6	
5	57.37	171	288.81	2,565.3	
6	59.17	190	267.15	2,130.2	
7	61.27	213	324.15	2,306.1	
8	62.77	230	113.63	750.1	
9	63.76	240	176.13	1,110.0	
10	67.23	279	87.95	478.1	
11	69.25	301	123.08	619.4	
12	70.32	314	106.65	514.0	
13	71.18	325	79.13	368.9	
14	71.69	331	108.04	494.0	
15	72.68	344	86.45	381.2	
16	73.37	352	73.51	316.3	
17	74.10	361	93.39	391.8	
18	75.04	373	84.30	342.6	
19	75.68	381	71.40	284.1	
20	76.41	390	64.79	251.8	
21	76.93	396	62.98	240.8	
22	78.21	417	99.98	363.0	
23	79.12	433	82.99	290.3	
24	79.93	448	195.93	663.3	
25	82.50	493	70.93	218.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : TT26834-2 Soni 1:4 8cyc**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	83.40	510	60.07	178.3	
27	84.18	526	130.87	376.6	
28	85.85	561	53.08	143.3	
29	87.22	590	75.75	194.6	
30	88.47	624	117.01	284.1	
31	91.81	771	16.71	32.8	
32	92.37	812	54.46	101.6	
33	95.29	1,059	10.34	14.8	
34	113.00	10,380	75.00	10.9	Upper Marker

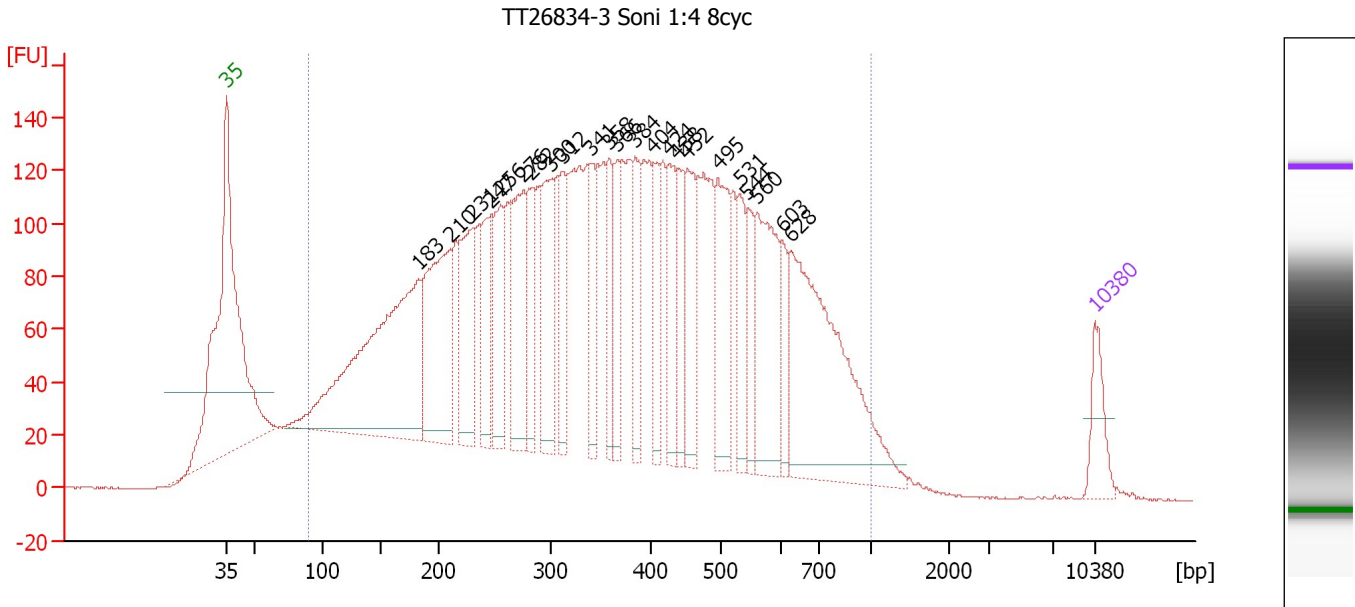
**Region table for sample 8 : TT26834-2 Soni 1:4 8cyc**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
94	1,000	347	33,716.8	5,270.08	4,349.2	65	48.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : TT26834-3 Soni 1:4 8cyc**

Number of peaks found: 23                      Corr. Area 1: 6,188.0  
 Noise: 0.2

**Peak table for sample 9 : TT26834-3 Soni 1:4 8cyc**


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	58.52	183	1,109.69	9,186.6	
3	61.02	210	527.45	3,803.0	
4	62.86	231	344.46	2,263.9	
5	64.33	247	205.85	1,264.4	
6	65.14	256	232.15	1,375.7	
7	66.95	276	336.64	1,850.8	
8	67.51	282	159.69	858.7	
9	69.19	300	293.83	1,482.6	
10	70.13	312	170.07	825.9	
11	72.45	341	143.23	636.8	
12	73.87	358	139.68	590.6	
13	74.52	366	137.31	567.9	
14	75.94	384	154.34	609.1	
15	77.44	404	147.80	554.8	
16	78.60	424	183.28	654.8	
17	79.38	438	142.19	492.1	
18	80.19	452	195.06	653.6	
19	82.64	495	242.85	742.8	
20	84.41	531	141.95	404.8	
21	85.01	544	111.92	311.8	
22	85.78	560	332.12	898.7	
23	87.80	603	96.81	243.2	
24	88.58	628	695.48	1,678.9	
25	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**

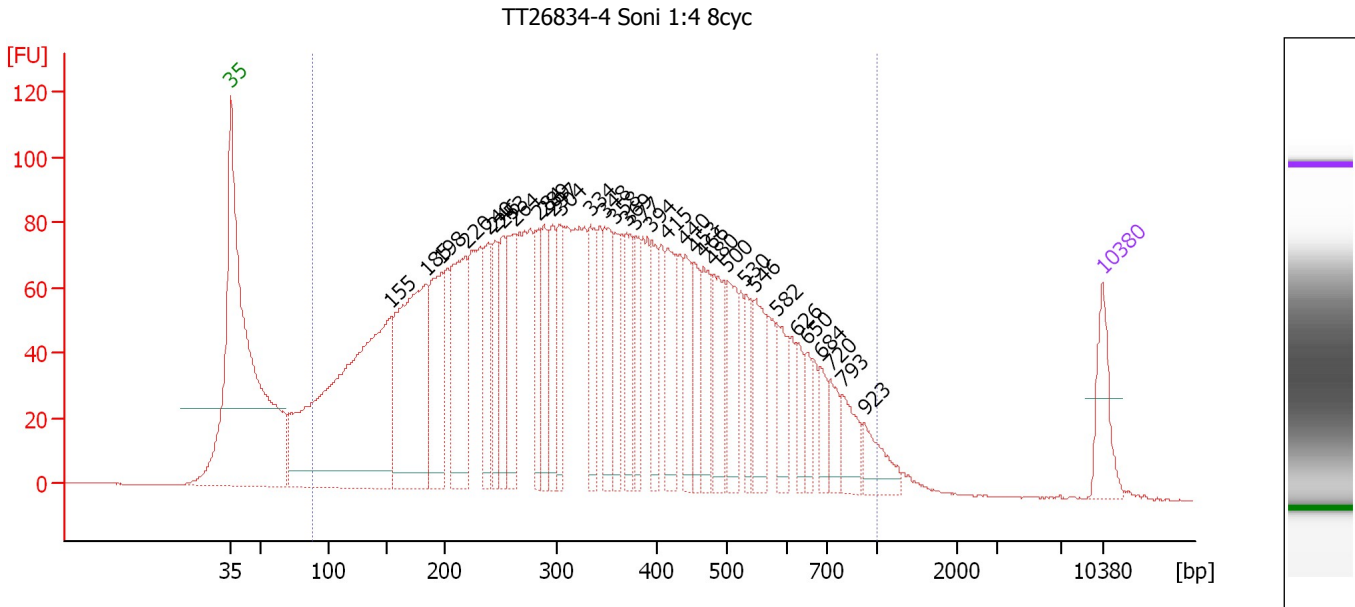
... Region table for sample 9 : TT26834-3 Soni 1:4 8cyc

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ $\mu$ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
89	1,000	383	60,177.6	10,422.63	 6,188.0	96	46.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : TT26834-4 Soni 1:4 8cyc**

Number of peaks found: 33      Corr. Area 1: 4,058.9  
 Noise: 0.1

**Peak table for sample 10 : TT26834-4 Soni 1:4 8cyc**

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	55.89	155	1,177.18	11,536.7	
3	58.67	185	597.67	4,905.2	
4	59.91	198	275.42	2,107.6	
5	61.88	220	327.36	2,257.8	
6	63.68	240	167.19	1,057.6	
7	64.24	246	127.19	784.5	
8	64.88	253	126.88	760.6	
9	65.86	264	173.41	996.7	
10	67.75	284	121.57	647.7	
11	68.17	289	121.03	634.3	
12	68.86	297	128.17	654.6	
13	69.46	304	117.76	587.6	
14	71.90	334	142.10	644.8	
15	73.01	348	145.33	633.3	
16	73.87	358	131.72	557.0	
17	74.72	369	127.63	524.2	
18	75.41	377	95.01	381.4	
19	76.78	394	95.79	368.0	
20	78.06	415	136.29	498.0	
21	79.52	440	104.95	361.2	
22	80.25	453	95.20	318.3	
23	80.98	466	109.13	354.9	
24	81.75	480	137.58	434.7	
25	82.90	500	120.37	364.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 10 : TT26834-4 Soni 1:4 8cyc**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	84.36	530	61.45	175.6	
27	85.13	546	105.52	292.7	
28	86.84	582	87.52	227.9	
29	88.51	626	47.57	115.2	
30	89.28	650	42.46	99.0	
31	90.35	684	47.68	105.6	
32	91.12	720	51.04	107.4	
33	92.11	793	68.91	131.7	
34	93.86	923	64.34	105.7	
35	113.00	10,380	75.00	10.9	Upper Marker

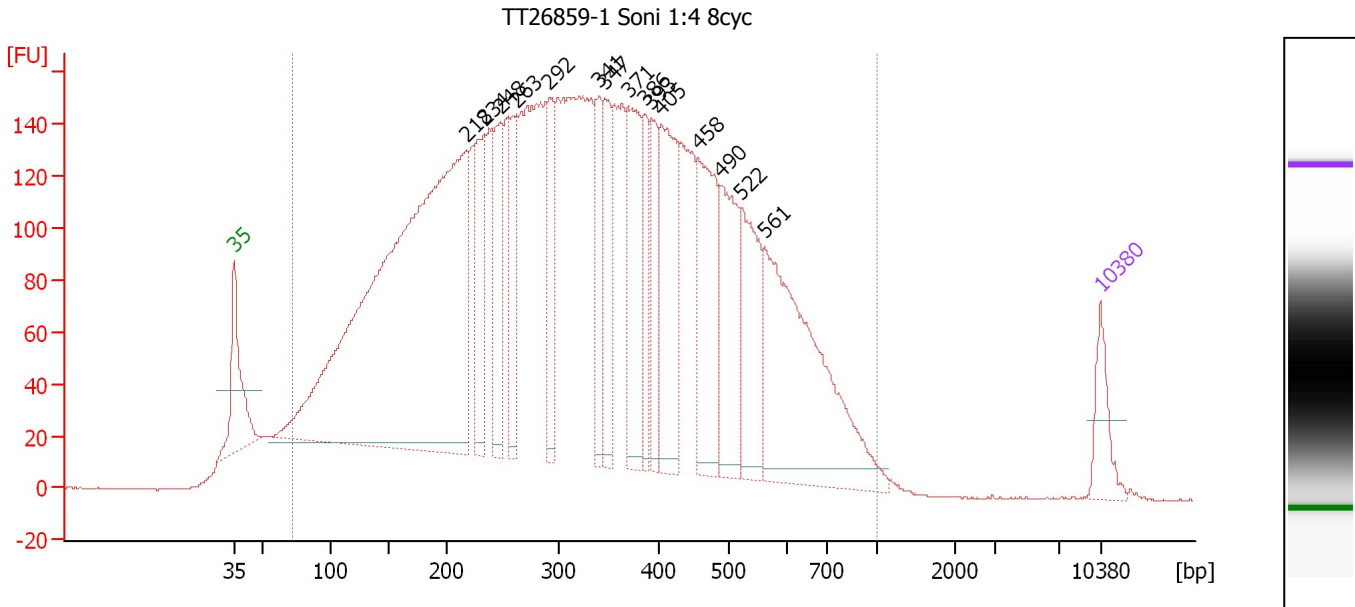
**Region table for sample 10 : TT26834-4 Soni 1:4 8cyc**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
88	1,000	356	45,017.4	7,235.18	4,058.9	96	48.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : TT26859-1 Soni 1:4 8cyc**

Number of peaks found: 15      Corr. Area 1: 7,358.2  
 Noise: 0.2

**Peak table for sample 11 : TT26859-1 Soni 1:4 8cyc**

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	61.75	218	2,581.81	17,924.4	
3	63.17	234	290.48	1,881.4	
4	64.47	248	265.81	1,622.7	
5	65.84	263	208.23	1,197.8	
6	68.47	292	191.56	992.6	
7	72.48	341	197.52	877.3	
8	72.96	347	205.80	898.6	
9	74.85	371	337.60	1,380.6	
10	76.10	386	139.46	547.4	
11	76.71	393	166.57	641.4	
12	77.53	405	377.11	1,410.3	
13	80.50	458	360.55	1,193.9	
14	82.35	490	301.00	930.2	
15	83.95	522	279.22	810.9	
16	85.84	561	707.27	1,909.5	
17	113.00	10,380	75.00	10.9	Upper Marker

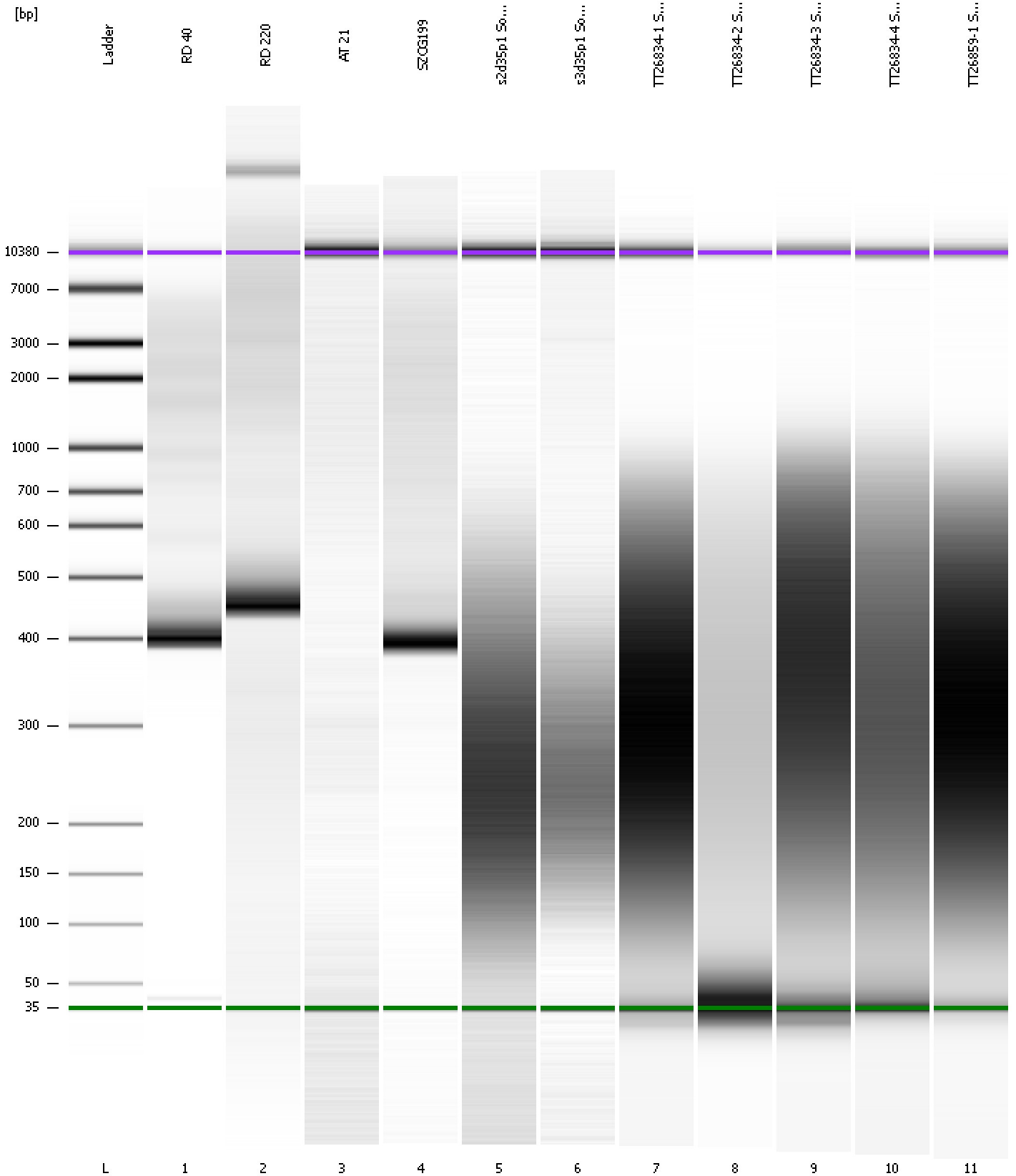
**Region table for sample 11 : TT26859-1 Soni 1:4 8cyc**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
71	1,000	343	73,502.4	11,312.87	7,358.2	98	46.5

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
Modified: 3/24/2014 12:37:59 PM

**Gel Image**



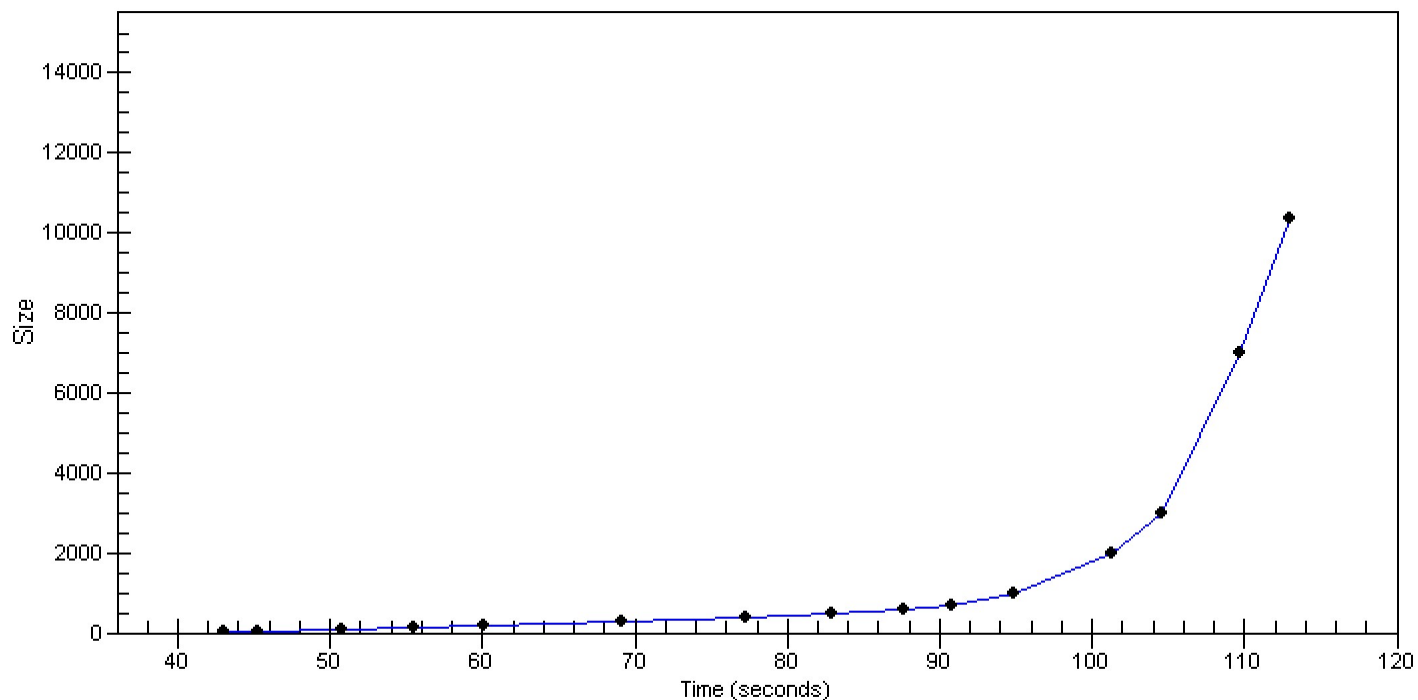


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
Modified: 3/24/2014 12:37:59 PM

**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-24\2014-03-24\_003.xad

Created: 3/24/2014 11:44:20 AM  
 Modified: 3/24/2014 12:37:59 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		3/24/2014 12:24:43 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-03-24\2014-03-24_003.xad)		Instrument	Run		3/24/2014 11:44:20 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/24/2014 11:44:20 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/24/2014 11:44:20 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/24/2014 11:44:20 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/24/2014 11:44:20 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/24/2014 11:44:20 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/24/2014 11:44:20 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1