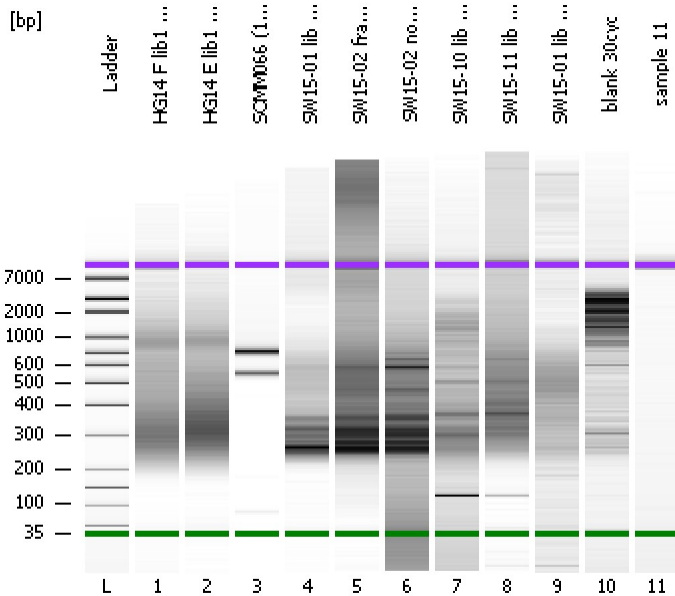


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
Modified: 4/13/2015 12:18:23 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

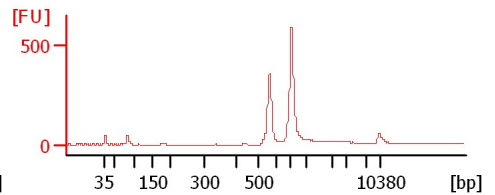
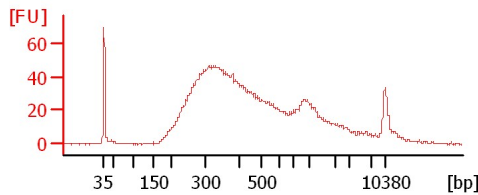
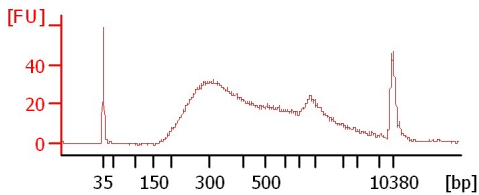
Chip Information:

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

**HG14 F lib1 (1:10)**

**HG14 E lib1 (1:10)**

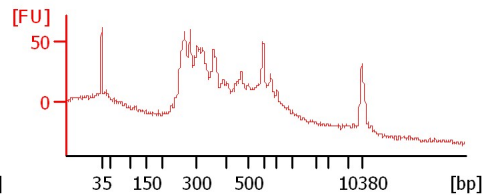
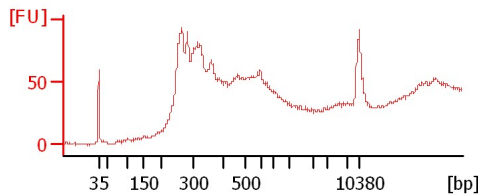
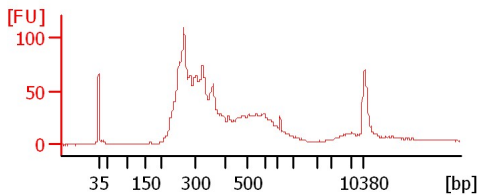
**SOMM066 (1:3)**



**SW15-01 lib 14cyc (1:31)**

**SW15-02 frag lib 14cyc (1:31)**

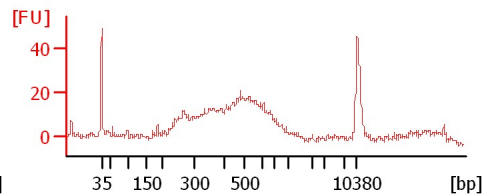
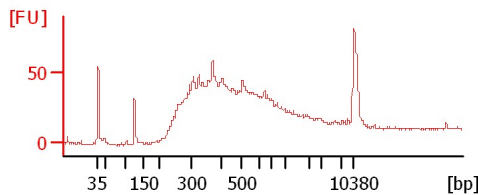
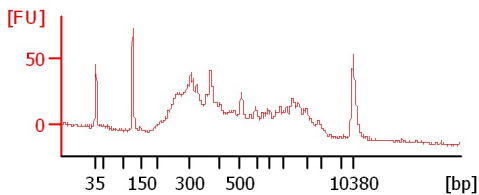
**SW15-02 non frag lib 14cyc (1:35)**



**SW15-10 lib 30cyc (1:21)**

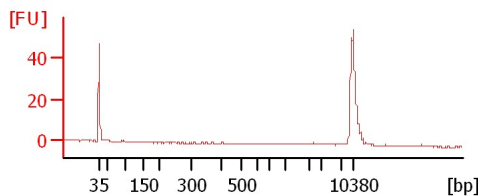
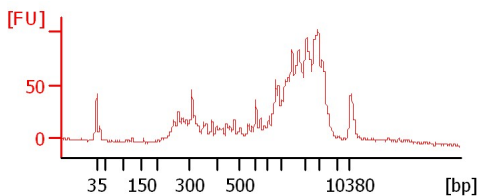
**SW15-11 lib 30cyc (1:37)**

**SW15-01 lib 30cyc (1:4)**



**blank 30cyc**

**sample 11**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
Modified: 4/13/2015 12:18:23 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HG14 F lib1 (1:10)		<input type="checkbox"/>	✓			
HG14 E lib1 (1:10)		<input type="checkbox"/>	✓			
SOMM066 (1:3)		<input type="checkbox"/>	✓			
SW15-01 lib 14cyc (1:31)		<input type="checkbox"/>	✓			
SW15-02 frag lib 14cyc (1:31)		<input type="checkbox"/>	✓			
SW15-02 non frag lib 14cyc (1:35)		<input type="checkbox"/>	✓			
SW15-10 lib 30cyc (1:21)		<input type="checkbox"/>	✓			
SW15-11 lib 30cyc (1:37)		<input type="checkbox"/>	✓			
SW15-01 lib 30cyc (1:4)		<input type="checkbox"/>	✓			
blank 30cyc		<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\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
Modified: 4/13/2015 12:18:23 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

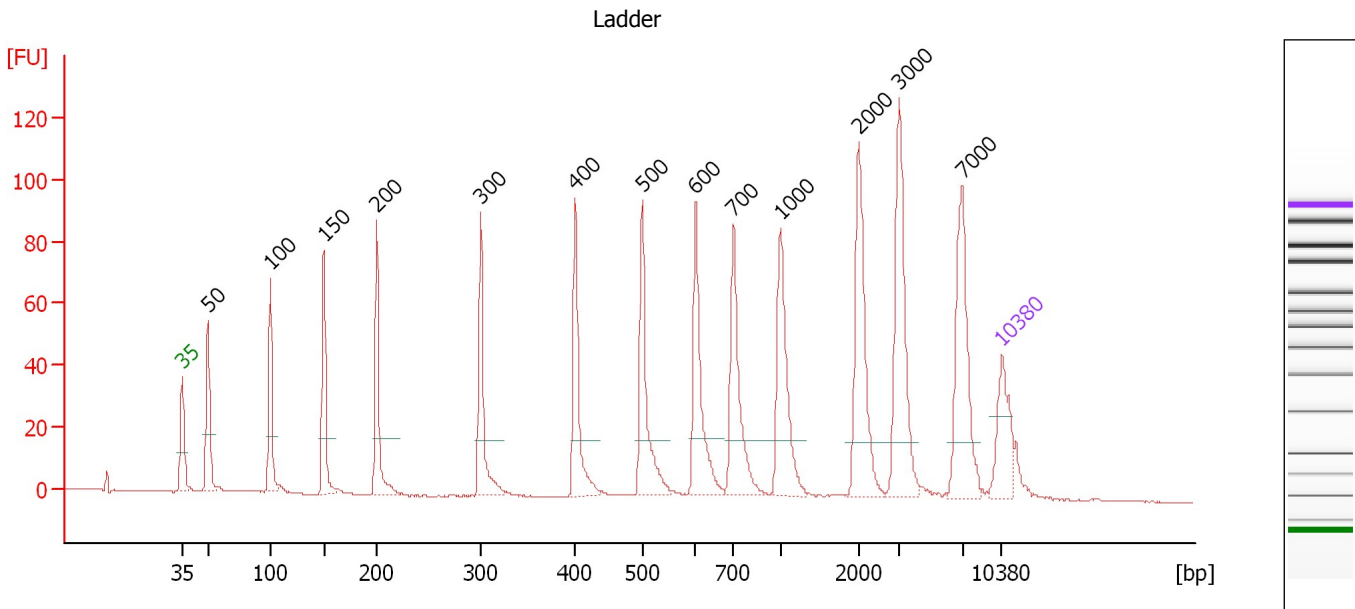
**Ladder**

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\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

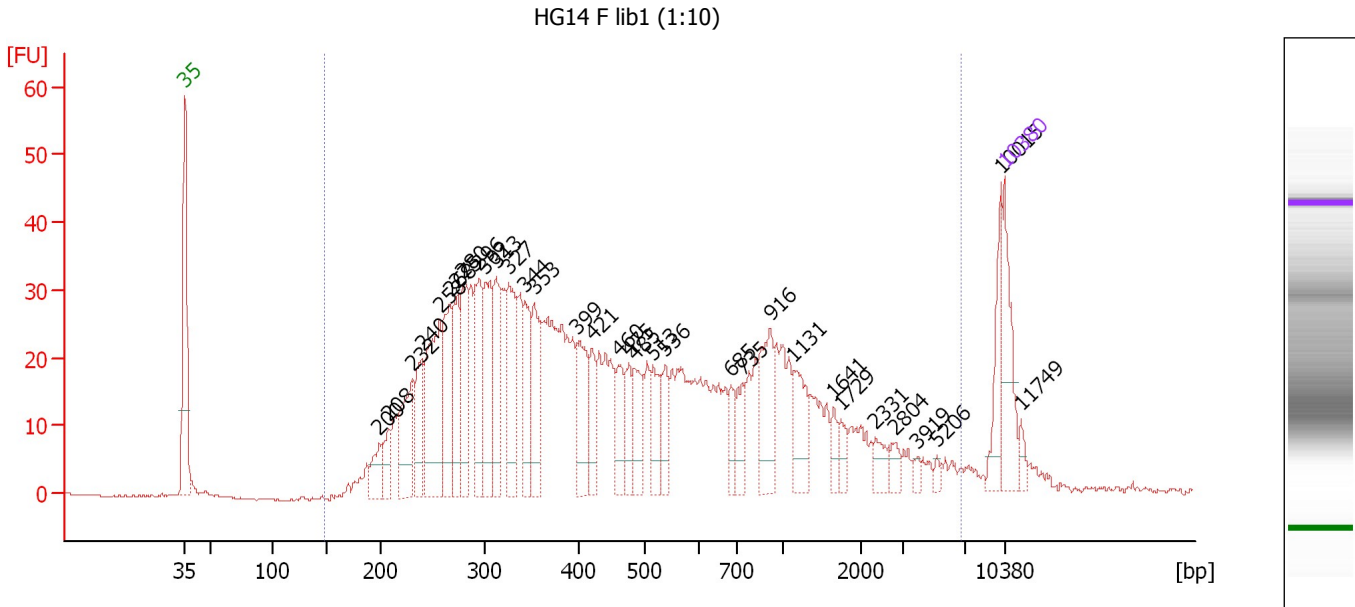
**Peak table for Ladder**

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	45.23
3	100	150.00	2,272.7	Ladder Peak	50.51
4	150	150.00	1,515.2	Ladder Peak	55.11
5	200	150.00	1,136.4	Ladder Peak	59.62
6	300	150.00	757.6	Ladder Peak	68.50
7	400	150.00	568.2	Ladder Peak	76.57
8	500	150.00	454.5	Ladder Peak	82.30
9	600	150.00	378.8	Ladder Peak	86.86
10	700	150.00	324.7	Ladder Peak	90.09
11	1,000	150.00	227.3	Ladder Peak	94.10
12	2,000	150.00	113.6	Ladder Peak	100.79
13	3,000	150.00	75.8	Ladder Peak	104.26
14	7,000	150.00	32.5	Ladder Peak	109.63
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : HG14 F lib1 (1:10)**

Number of peaks found: 33                      Corr. Area 1: 1,171.5  
 Noise: 0.2

**Peak table for sample 1 : HG14 F lib1 (1:10)**

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	200	44.60	338.1		59.61
3	208	42.27	307.8		60.34
4	232	116.07	759.2		62.43
5	240	82.05	517.2		63.21
6	258	202.68	1,191.2		64.76
7	268	123.17	697.6		65.62
8	275	98.79	544.9		66.26
9	280	117.61	636.8		66.71
10	296	124.37	637.2		68.12
11	302	122.17	612.8		68.67
12	313	112.17	542.4		69.58
13	327	131.13	607.8		70.67
14	344	81.04	356.5		72.08
15	353	97.98	420.1		72.81
16	399	91.78	348.4		76.50
17	421	48.46	174.4		77.77
18	460	55.03	181.3		80.00
19	475	41.32	131.8		80.87
20	485	65.00	202.9		81.46
21	513	50.53	149.1		82.92
22	536	40.25	113.7		83.96
23	685	29.00	64.1		89.61
24	735	39.66	81.7		90.56
25	916	85.15	140.9		92.97

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 1 : HG14 F lib1 (1:10)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,131	59.71	80.0		94.98
27	1,641	17.26	15.9		98.39
28	1,729	19.14	16.8		98.98
29	2,331	20.01	13.0		101.94
30	2,804	13.85	7.5		103.58
31	3,919	6.57	2.5		105.49
32	5,206	6.28	1.8		107.22
33	10,015	52.66	8.0		112.64
34	10,380	75.00	10.9	Upper Marker	113.00
35	11,749	0.00	0.0		114.37

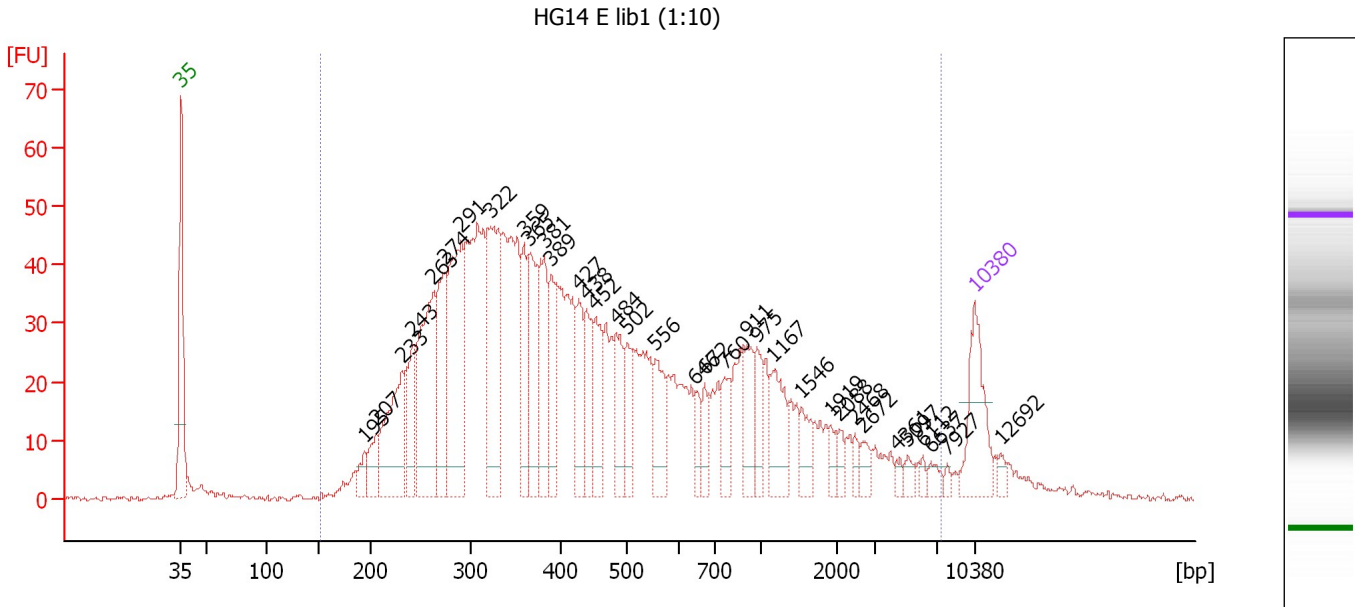
**Region table for sample 1 : HG14 F lib1 (1:10)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
148	705	6,724	1,171.5	14,134.9	96	100.0	3,502.71	<span style="color: blue;">■</span>

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : HG14 E lib1 (1:10)**

Number of peaks found: 35                      Corr. Area 1: 1,625.6  
 Noise: 0.5

**Peak table for sample 2 : HG14 E lib1 (1:10)**

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	195	28.10	218.2		59.18
3	207	47.02	344.6		60.22
4	233	161.63	1,050.2		62.57
5	243	89.76	559.1		63.46
6	263	232.54	1,337.8		65.25
7	274	135.73	749.2		66.24
8	291	250.90	1,304.4		67.74
9	322	219.01	1,030.3		70.28
10	359	85.49	360.9		73.25
11	365	119.90	498.2		73.72
12	381	117.63	467.7		75.04
13	389	91.94	358.5		75.65
14	427	72.94	259.1		78.09
15	438	64.45	222.9		78.75
16	452	72.96	244.5		79.55
17	484	68.22	213.6		81.39
18	502	57.31	173.1		82.38
19	556	64.26	175.0		84.87
20	646	25.79	60.5		88.35
21	672	28.61	64.5		89.20
22	760	42.03	83.8		90.89
23	911	51.34	85.4		92.91
24	975	38.20	59.4		93.76
25	1,167	61.92	80.4		95.22

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad


Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : HG14 E lib1 (1:10)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,546	29.66	29.1		97.76
27	1,919	12.99	10.3		100.25
28	2,088	13.65	9.9		101.10
29	2,468	9.99	6.1		102.42
30	2,672	15.22	8.6		103.12
31	4,361	7.05	2.4		106.08
32	5,097	9.14	2.7		107.07
33	6,112	6.08	1.5		108.44
34	6,637	11.35	2.6		109.14
35	7,927	4.73	0.9		110.55
36	10,380	75.00	10.9	Upper Marker	113.00
37	12,692	0.00	0.0		115.31

**Region table for sample 2 : HG14 E lib1 (1:10)**

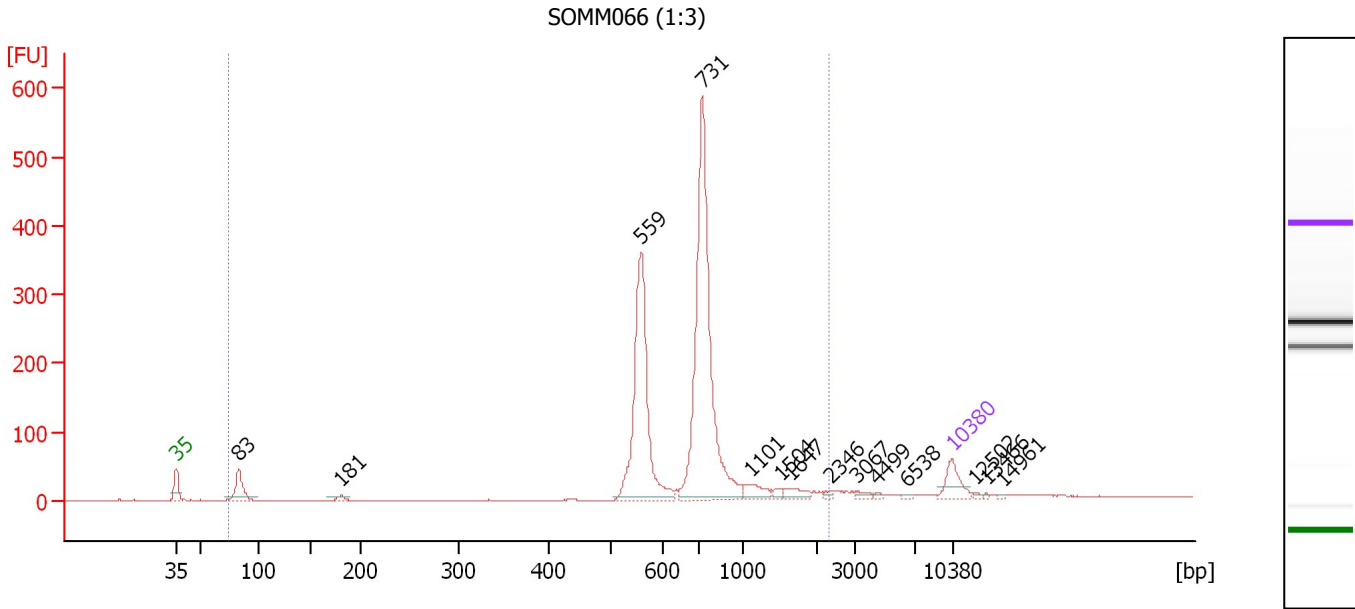
From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
152	708	7,432	1,625.6	15,219.6	97	100.0	3,749.82	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : SOMM066 (1:3)**

Number of peaks found: 14                      Corr. Area 1: 1,711.3  
 Noise: 0.4

**Peak table for sample 3 : SOMM066 (1:3)**

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	83	170.56	3,129.7		48.67
3	181	23.65	198.0		57.90
4	559	819.50	2,222.9		84.97
5	731	1,291.93	2,679.4		90.50
6	1,101	63.61	87.5		94.78
7	1,504	16.86	17.0		97.47
8	1,647	40.22	37.0		98.43
9	2,346	9.45	6.1		101.99
10	3,067	14.14	7.0		104.35
11	4,499	7.69	2.6		106.27
12	6,538	5.92	1.4		109.01
13	10,380	75.00	10.9	Upper Marker	113.00
14	12,502	0.00	0.0		115.12
15	13,466	0.00	0.0		116.08
16	14,961	0.00	0.0		117.57

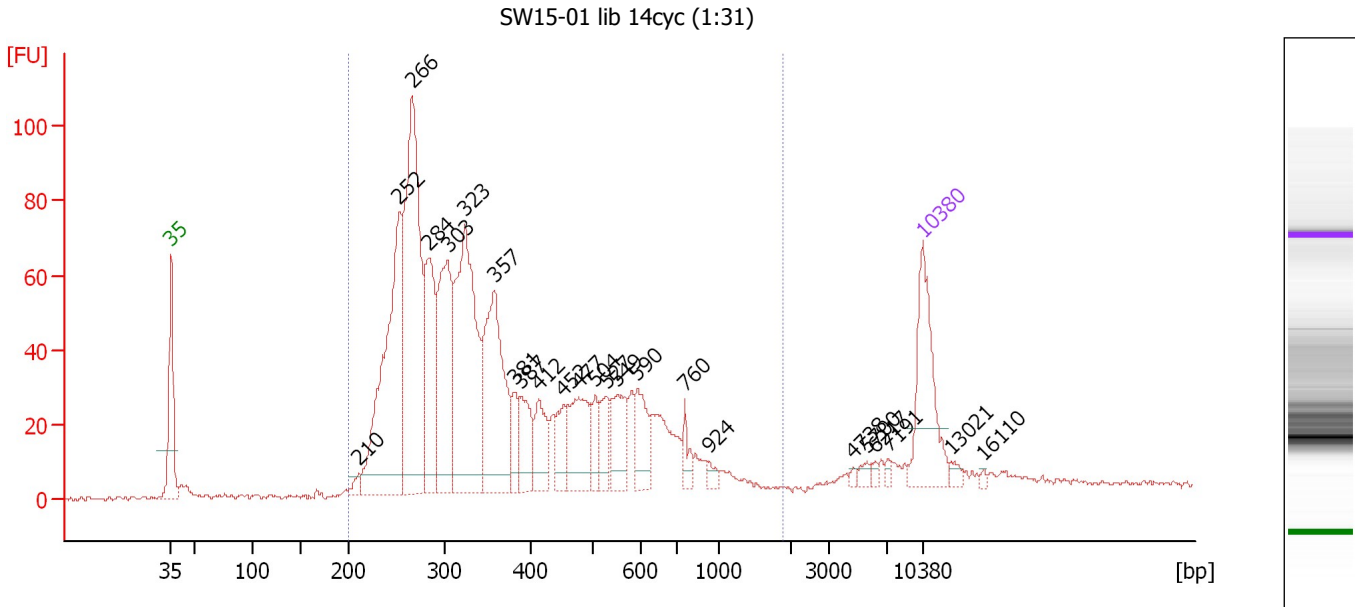
**Region table for sample 3 : SOMM066 (1:3)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
74	721	2,329	1,711.3	7,523.7	95	37.0	2,327.03	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : SW15-01 lib 14cyc (1:31)**

Number of peaks found: 24                      Corr. Area 1: 1,613.7  
 Noise: 0.5

**Peak table for sample 4 : SW15-01 lib 14cyc (1:31)**

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	210	9.04	65.3		60.49
3	252	275.36	1,654.0		64.26
4	266	325.62	1,857.0		65.46
5	284	133.12	711.3		67.05
6	303	155.99	778.8		68.78
7	323	258.20	1,210.4		70.37
8	357	173.43	735.9		73.11
9	381	28.79	114.4		75.04
10	387	45.76	179.3		75.49
11	412	43.73	160.6		77.28
12	452	30.99	103.8		79.56
13	477	71.14	225.8		81.01
14	504	22.03	66.2		82.50
15	527	27.80	79.9		83.54
16	549	45.38	125.2		84.53
17	590	38.38	98.5		86.42
18	760	15.40	30.7		90.89
19	924	7.15	11.7		93.08
20	4,738	2.57	0.8		106.59
21	5,700	5.38	1.4		107.88
22	6,217	3.51	0.9		108.58
23	7,191	3.77	0.8		109.82
24	10,380	75.00	10.9	Upper Marker	113.00
25	13,021	0.00	0.0		115.63


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...****... Peak table for sample 4 : SW15-01 lib 14cyc (1:31)**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	16,110	0.00	0.0		118.71

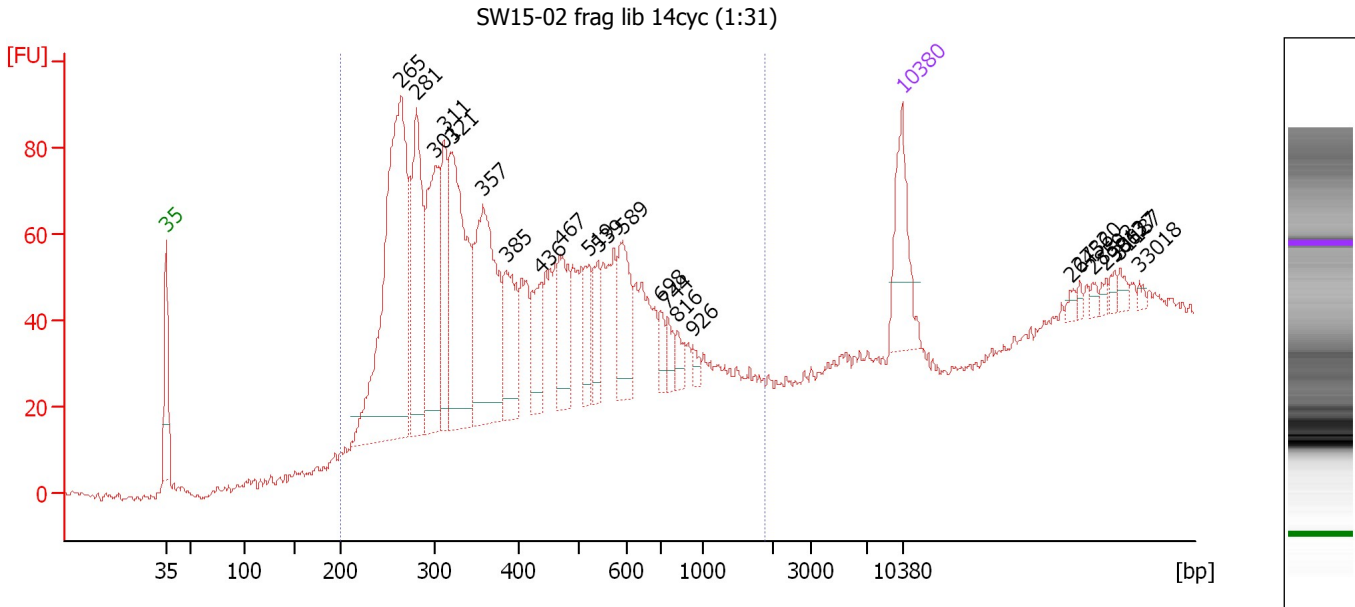
**Region table for sample 4 : SW15-01 lib 14cyc (1:31)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/ $\mu$ l]	Color
200	388	1,873	1,613.7	8,692.4	94	43.4	1,871.53	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : SW15-02 frag lib 14cyc (1:31)**

Number of peaks found: 23                      Corr. Area 1: 1,646.0  
 Noise: 0.7

**Peak table for sample 5 : SW15-02 frag lib 14cyc (1:31)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	265	549.88	3,147.5		65.37
3	281	225.99	1,217.4		66.84
4	301	204.62	1,030.8		68.57
5	311	124.85	607.4		69.43
6	321	270.39	1,276.7		70.19
7	357	262.45	1,112.7		73.13
8	385	103.43	407.0		75.36
9	436	61.81	214.5		78.66
10	467	82.82	268.5		80.43
11	519	42.92	125.3		83.17
12	539	41.49	116.6		84.09
13	589	81.11	208.6		86.37
14	698	19.86	43.1		90.02
15	744	19.68	40.1		90.68
16	816	15.88	29.5		91.64
17	926	8.44	13.8		93.12
18	10,380	75.00	10.9	Upper Marker	113.00
19	26,456	0.00	0.0		129.03
20	27,320	0.00	0.0		129.89
21	28,592	0.00	0.0		131.16
22	29,813	0.00	0.0		132.38
23	30,627	0.00	0.0		133.19
24	31,187	0.00	0.0		133.75
25	33,018	0.00	0.0		135.57

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**

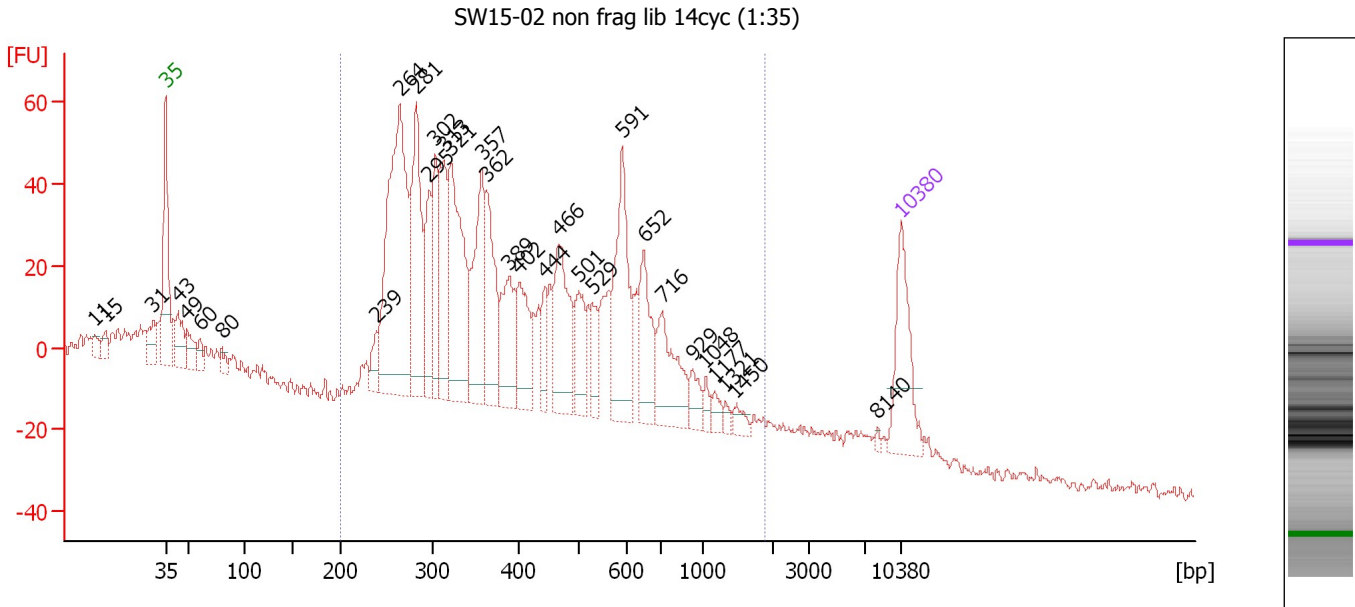
... Region table for sample 5 : SW15-02 frag lib 14cyc (1:31)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	416	1,876	1,646.0	11,287.7	96	43.2	2,588.58	■

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : SW15-02 non frag lib 14cyc (1:35)**

Number of peaks found: 31                      Corr. Area 1: 1,516.7  
 Noise: 1.4

**Peak table for sample 6 : SW15-02 non frag lib 14cyc (1:35)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	11	0.00	0.0		36.20
2	15	0.00	0.0		37.26
3	31	0.00	0.0		41.78
4	35	125.00	5,411.3	Lower Marker	43.00
5	43	51.12	1,807.6		44.17
6	49	36.45	1,135.1		45.03
7	60	17.26	438.6		46.25
8	80	15.17	288.0		48.38
9	239	26.96	171.2		63.05
10	264	370.22	2,126.8		65.28
11	281	176.37	949.5		66.86
12	295	77.79	399.3		68.08
13	302	83.58	419.0		68.69
14	313	108.81	526.8		69.55
15	321	207.23	979.7		70.16
16	357	134.74	571.8		73.10
17	362	103.46	432.9		73.51
18	389	85.68	333.6		75.69
19	402	72.86	274.9		76.65
20	444	32.97	112.5		79.09
21	466	115.43	375.2		80.36
22	501	53.88	163.0		82.34
23	529	35.45	101.6		83.61
24	591	138.01	353.8		86.45
25	652	77.67	180.5		88.53

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad


Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 6 : SW15-02 non frag lib 14cyc (1:35)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	716	86.77	183.5		90.31
27	929	20.32	33.1		93.15
28	1,048	10.94	15.8		94.42
29	1,177	10.58	13.6		95.28
30	1,321	5.81	6.7		96.25
31	1,450	10.89	11.4		97.11
32	8,140	2.61	0.5		110.77
33	10,380	75.00	10.9	Upper Marker	113.00

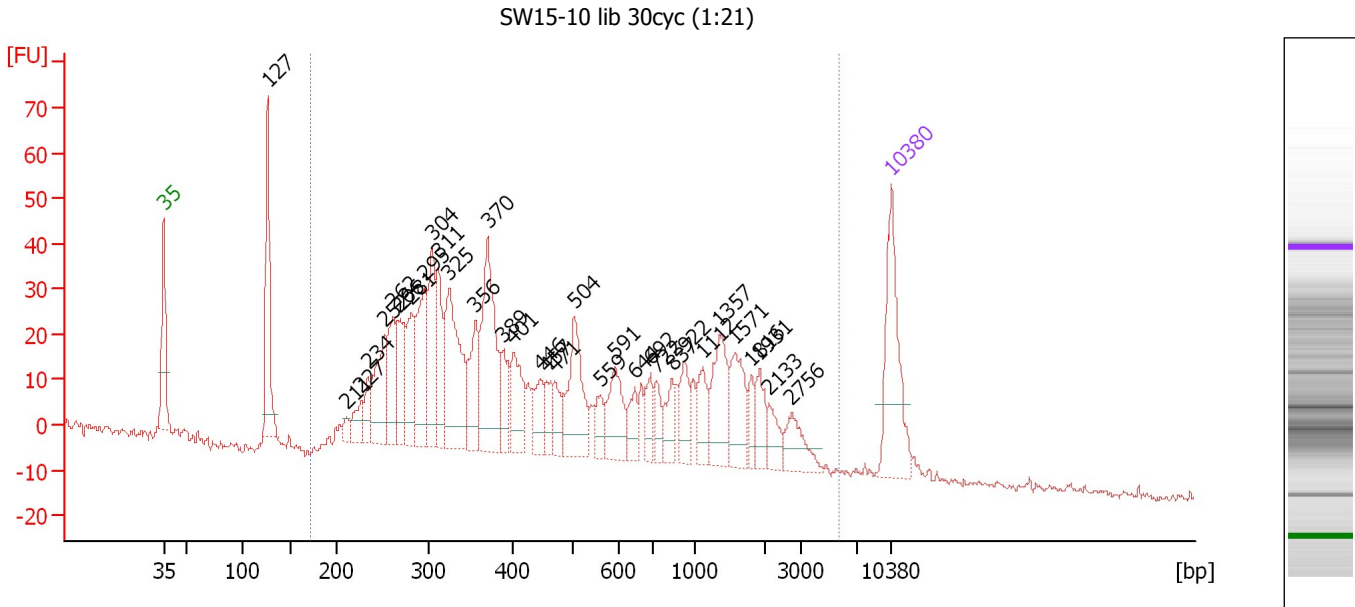
#### Region table for sample 6 : SW15-02 non frag lib 14cyc (1:35)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	461	1,890	1,516.7	9,021.2	88	51.4	2,178.69	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : SW15-10 lib 30cyc (1:21)**

Number of peaks found: 34                      Corr. Area 1: 1,139.0  
 Noise: 0.8

**Peak table for sample 7 : SW15-10 lib 30cyc (1:21)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	127	118.80	1,417.2		53.00
3	211	9.66	69.4		60.59
4	227	23.47	156.6		62.03
5	234	22.07	142.9		62.64
6	252	72.26	433.7		64.28
7	262	60.37	349.5		65.10
8	266	47.59	270.8		65.51
9	281	60.51	325.9		66.85
10	295	85.55	439.1		68.08
11	304	71.91	358.1		68.85
12	311	58.52	284.9		69.41
13	325	124.85	582.7		70.49
14	356	53.41	227.5		73.00
15	370	128.84	527.0		74.18
16	389	31.26	121.8		75.67
17	401	50.09	189.1		76.64
18	446	31.07	105.5		79.21
19	457	19.49	64.7		79.82
20	471	24.16	77.7		80.64
21	504	75.45	226.8		82.49
22	559	18.80	51.0		85.00
23	591	46.11	118.3		86.44
24	644	20.83	49.0		88.28
25	692	22.59	49.5		89.82



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad


Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : SW15-10 lib 30cyc (1:21)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	722	18.12	38.0		90.38
27	837	24.76	44.8		91.92
28	922	26.92	44.3		93.05
29	1,112	27.51	37.5		94.85
30	1,357	51.31	57.3		96.49
31	1,571	42.38	40.9		97.92
32	1,816	13.18	11.0		99.56
33	1,931	22.65	17.8		100.33
34	2,133	16.32	11.6		101.26
35	2,756	26.79	14.7		103.41
36	10,380	75.00	10.9	Upper Marker	113.00

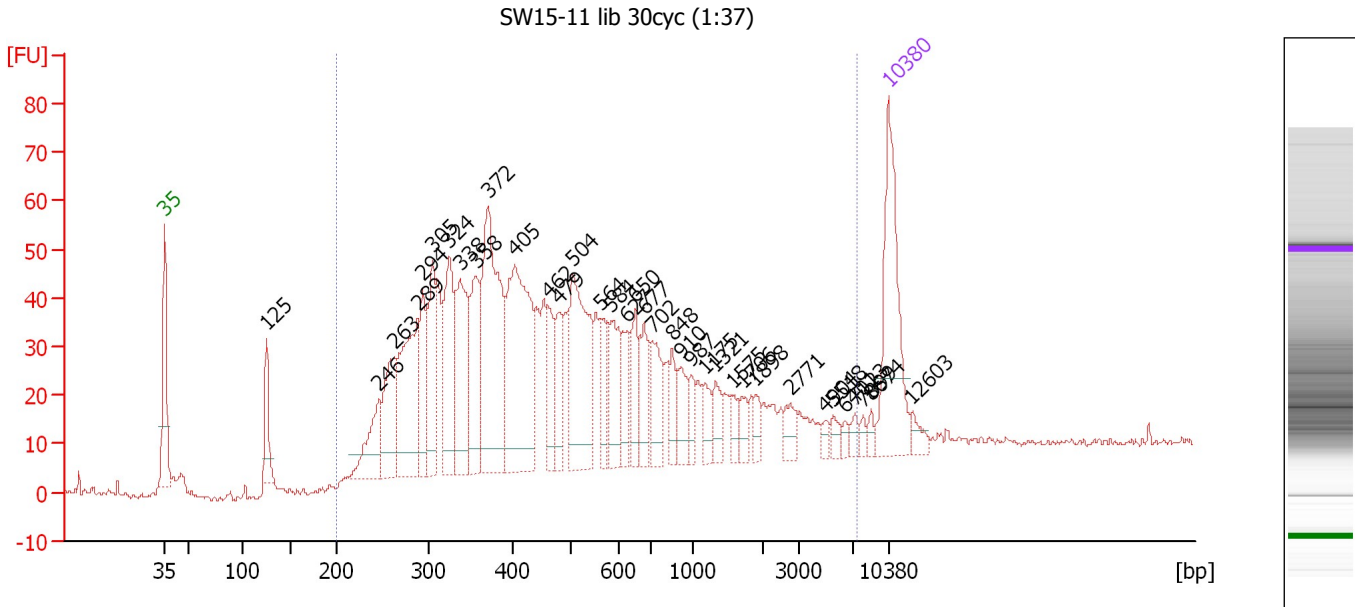
**Region table for sample 7 : SW15-10 lib 30cyc (1:21)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
172	747	5,688	1,139.0	5,846.0	93	92.7	1,541.87	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : SW15-11 lib 30cyc (1:37)**

Number of peaks found: 36                      Corr. Area 1: 1,467.2  
 Noise: 0.8

**Peak table for sample 8 : SW15-11 lib 30cyc (1:37)**

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	125	35.14	424.9		52.85
3	246	47.00	289.3		63.72
4	263	60.49	348.5		65.22
5	289	112.17	589.0		67.48
6	294	45.44	234.4		67.95
7	305	63.48	315.1		68.93
8	324	79.68	372.1		70.47
9	338	85.76	384.6		71.56
10	358	62.47	264.6		73.15
11	372	158.10	644.4		74.29
12	405	151.38	566.0		76.87
13	462	29.15	95.6		80.11
14	479	34.70	109.8		81.09
15	504	105.67	317.7		82.48
16	564	24.05	64.6		85.22
17	584	43.09	111.7		86.14
18	627	22.61	54.6		87.74
19	650	30.35	70.8		88.46
20	677	28.52	63.9		89.34
21	702	33.56	72.5		90.11
22	848	15.98	28.5		92.07
23	910	21.63	36.0		92.90
24	987	12.25	18.8		93.93
25	1,175	14.18	18.3		95.27

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : SW15-11 lib 30cyc (1:37)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,321	13.40	15.4		96.25
27	1,575	7.63	7.3		97.95
28	1,706	10.01	8.9		98.82
29	1,898	7.92	6.3		100.11
30	2,771	10.62	5.8		103.46
31	4,904	4.38	1.4		106.81
32	5,518	6.29	1.7		107.64
33	6,401	3.85	0.9		108.82
34	7,123	5.32	1.1		109.75
35	7,899	3.88	0.7		110.53
36	8,674	3.97	0.7		111.30
37	10,380	75.00	10.9	Upper Marker	113.00
38	12,603	0.00	0.0		115.22

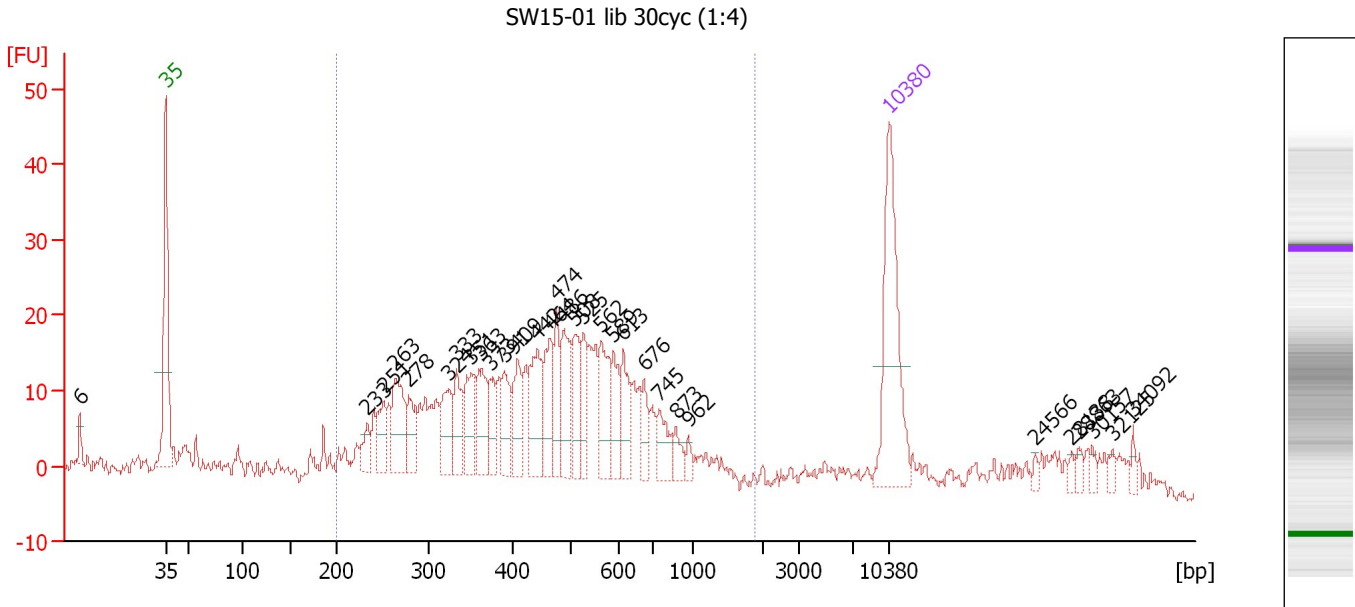
**Region table for sample 8 : SW15-11 lib 30cyc (1:37)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	767	7,336	1,467.2	5,677.1	95	100.0	1,565.06	<span style="color: blue;">■</span>

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : SW15-01 lib 30cyc (1:4)**

Number of peaks found: 31                      Corr. Area 1: 548.6  
 Noise: 1.3

**Peak table for sample 9 : SW15-01 lib 30cyc (1:4)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	6	0.00	0.0		34.69
2	35	125.00	5,411.3	Lower Marker	43.00
3	233	14.69	95.7		62.51
4	251	22.71	137.3		64.11
5	263	47.61	273.9		65.25
6	278	26.64	145.3		66.54
7	324	32.92	153.8		70.46
8	333	28.57	129.9		71.19
9	351	34.28	148.2		72.58
10	363	34.56	144.4		73.56
11	373	21.73	88.3		74.39
12	391	28.70	111.3		75.83
13	409	29.58	109.6		77.07
14	442	42.54	145.8		78.98
15	464	35.42	115.7		80.22
16	474	25.69	82.0		80.84
17	486	39.93	124.5		81.51
18	508	29.59	88.3		82.65
19	525	23.22	67.1		83.42
20	562	36.76	99.1		85.12
21	589	24.34	62.6		86.36
22	613	24.04	59.4		87.29
23	676	14.99	33.6		89.31
24	745	18.68	38.0		90.70
25	873	9.81	17.0		92.40

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad


Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 9 : SW15-01 lib 30cyc (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	962	4.59	7.2		93.59
27	10,380	75.00	10.9	Upper Marker	113.00
28	24,566	0.00	0.0		127.14
29	28,138	0.00	0.0		130.71
30	28,863	0.00	0.0		131.43
31	30,157	0.00	0.0		132.72
32	32,125	0.00	0.0		134.68
33	34,092	0.00	0.0		136.64

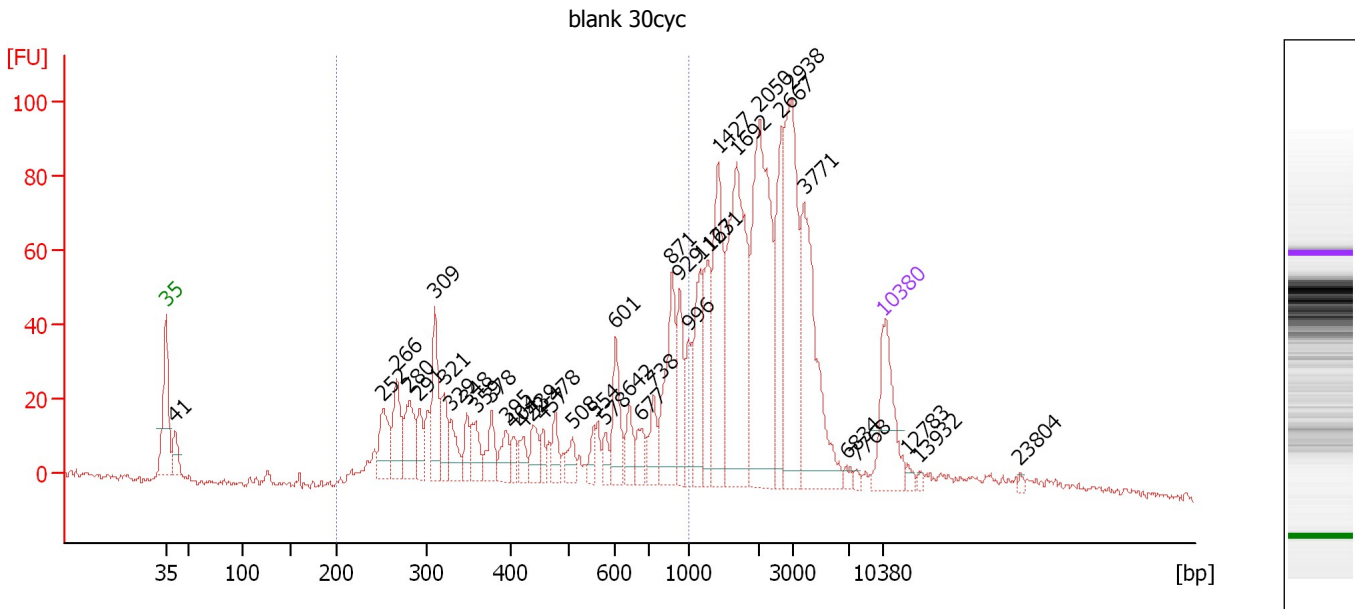
#### Region table for sample 9 : SW15-01 lib 30cyc (1:4)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	490	1,880	548.6	3,453.6	79	44.8	903.55	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : blank 30cyc**

Number of peaks found: 40                      Corr. Area 1: 685.0  
 Noise: 1.0

**Peak table for sample 10 : blank 30cyc**

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	41	37.72	1,395.6		43.89
3	252	58.44	352.0		64.20
4	266	68.14	387.9		65.50
5	280	64.63	350.2		66.70
6	291	33.08	172.0		67.74
7	309	79.26	388.3		69.25
8	321	40.60	191.7		70.19
9	329	35.23	162.1		70.86
10	348	26.83	116.8		72.38
11	359	33.88	143.0		73.26
12	378	35.80	143.6		74.77
13	395	27.95	107.1		76.18
14	404	17.42	65.3		76.80
15	422	19.88	71.3		77.84
16	439	29.10	100.5		78.78
17	457	16.08	53.3		79.82
18	478	25.87	82.1		81.02
19	508	19.85	59.1		82.69
20	554	16.59	45.4		84.77
21	578	16.07	42.1		85.86
22	601	52.28	131.7		86.91
23	642	28.77	67.9		88.21
24	677	23.53	52.6		89.35
25	738	31.88	65.4		90.60

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad


Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 10 : blank 30cyc**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	871	98.08	170.6		92.38
27	929	53.75	87.6		93.16
28	996	35.85	54.6		94.04
29	1,163	73.21	95.4		95.19
30	1,271	61.79	73.6		95.92
31	1,427	122.99	130.6		96.96
32	1,692	222.11	198.9		98.73
33	2,050	231.29	170.9		100.97
34	2,667	91.94	52.2		103.10
35	2,938	171.24	88.3		104.04
36	3,771	160.21	64.4		105.29
37	6,834	5.96	1.3		109.41
38	7,768	3.72	0.7		110.40
39	10,380	75.00	10.9	Upper Marker	113.00
40	12,783	0.00	0.0		115.40
41	13,932	0.00	0.0		116.54
42	23,804	0.00	0.0		126.39

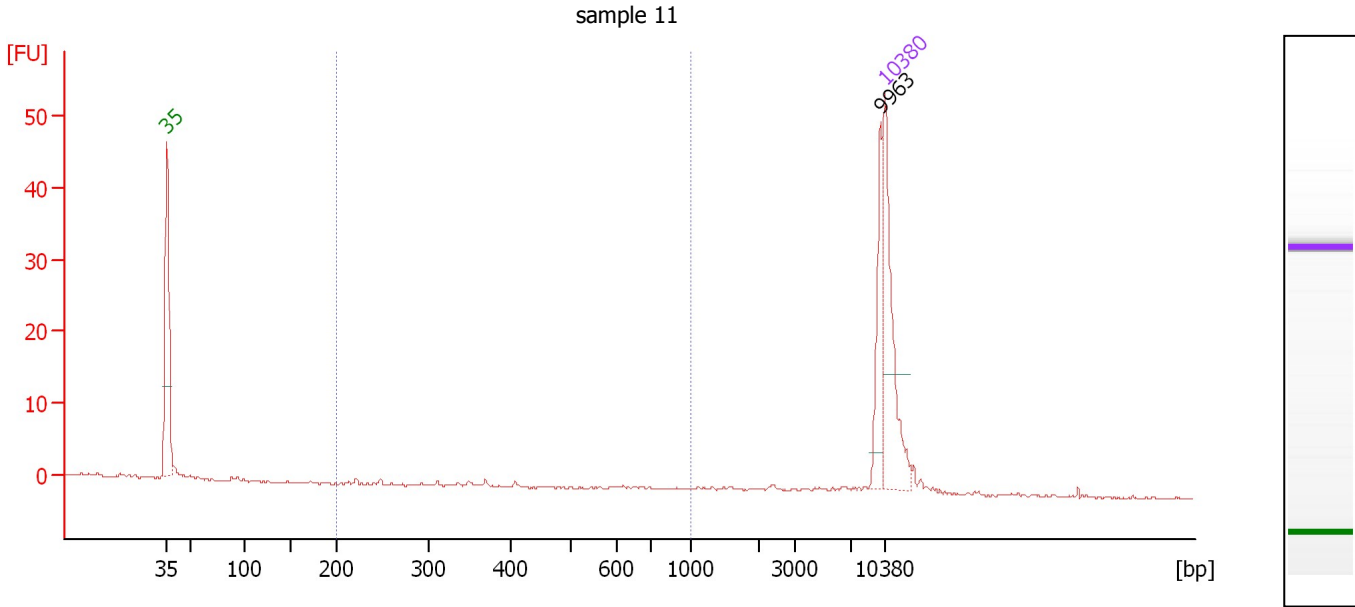
**Region table for sample 10 : blank 30cyc**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	527	1,000	685.0	4,244.8	40	44.4	1,115.54	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : sample 11**

Number of peaks found: 1                      Corr. Area 1: 0.9  
 Noise: 0.1

**Peak table for sample 11 : sample 11**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	9,963	38.56	5.9		112.58
3	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 11 : sample 11**

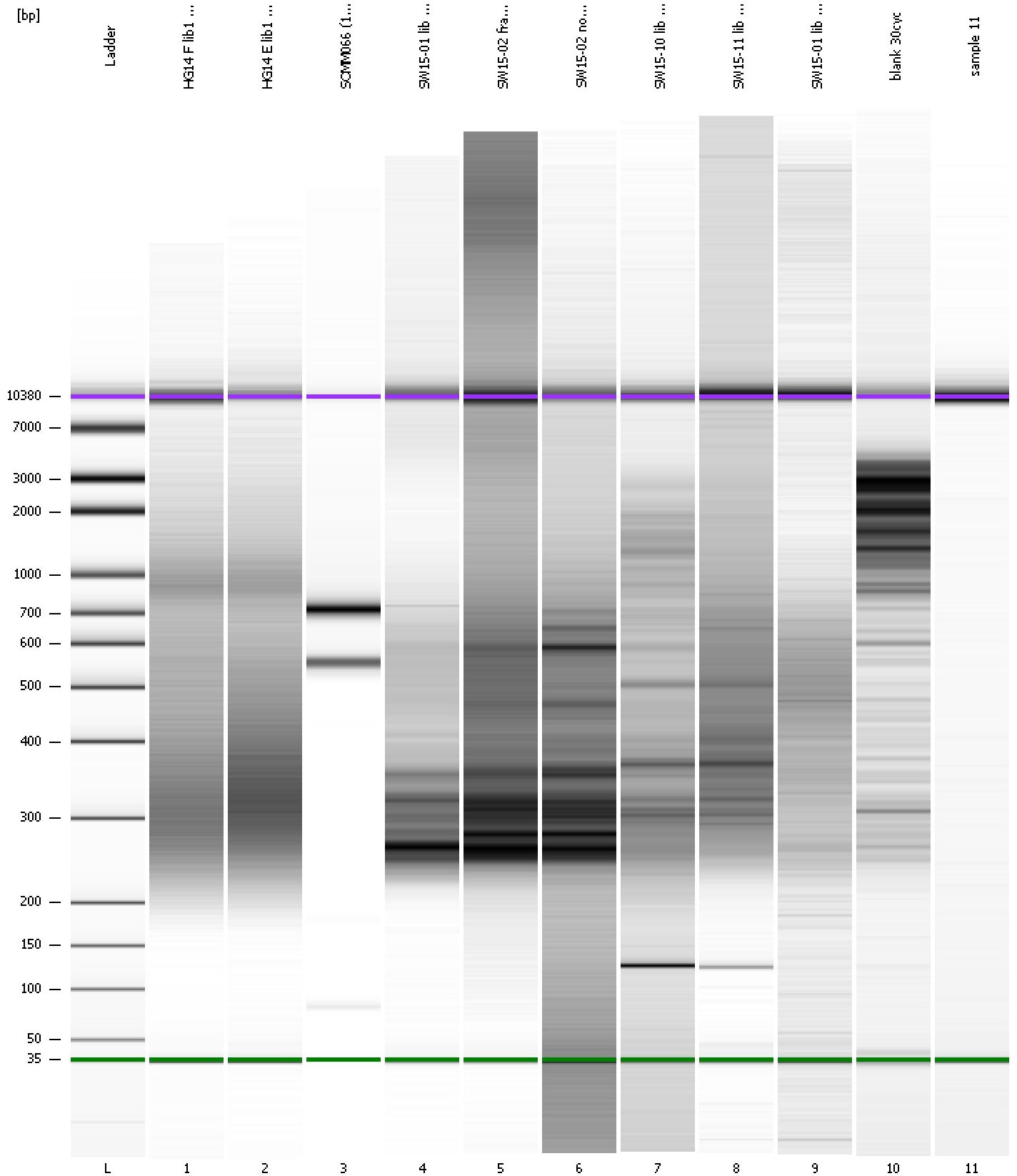
From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	376	1,000	0.9	8.9	2	34.8	1.90	Blue



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
Modified: 4/13/2015 12:18:23 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-13\2015-04-13\_001.xad

Created: 4/13/2015 11:37:03 AM  
 Modified: 4/13/2015 12:18:23 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		4/13/2015 12:18:20 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-04-13\2015-04-13_001.xad)		Instrument	Run		4/13/2015 11:37:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/13/2015 11:37:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/13/2015 11:37:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/13/2015 11:37:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/13/2015 11:37:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/13/2015 11:37:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/13/2015 11:37:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1