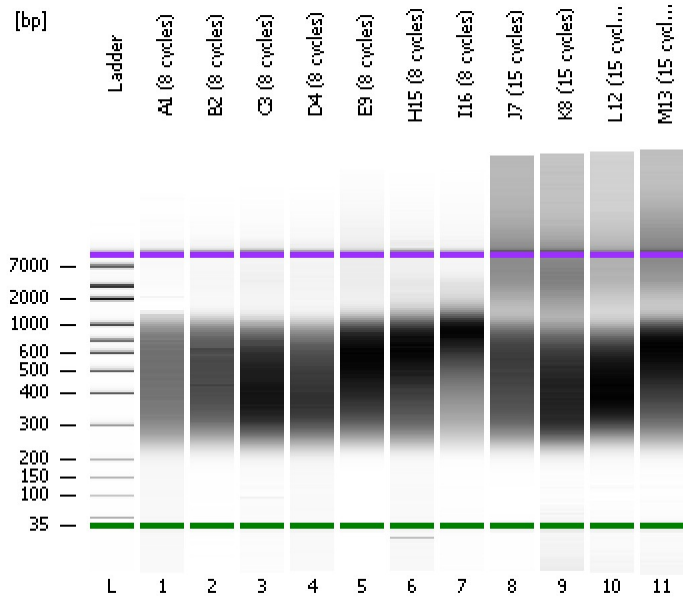


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
Modified: 9/22/2014 4:33:02 PM

Electrophoresis File Run Summary



Instrument Information:

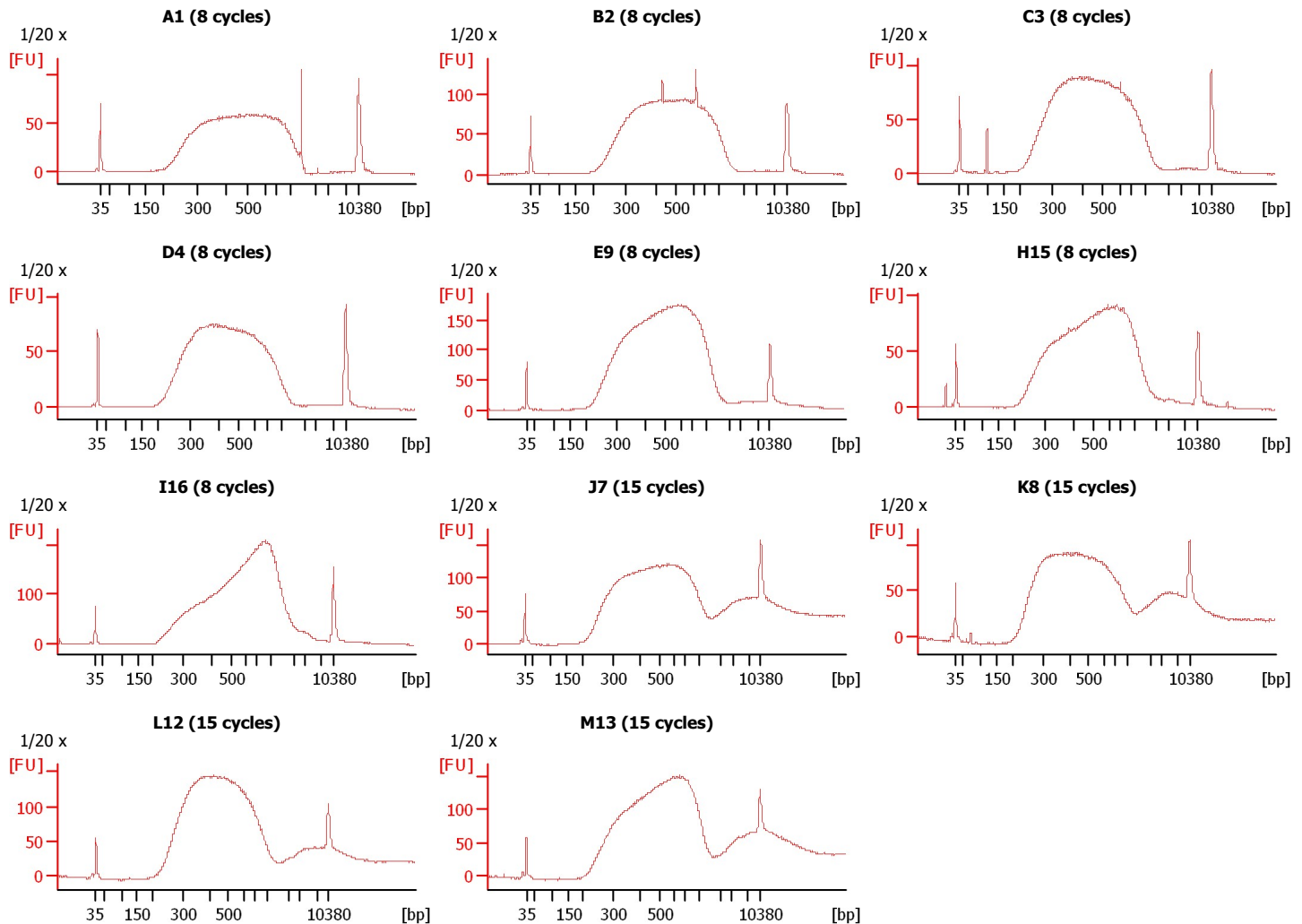
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
Modified: 9/22/2014 4:33:02 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A1 (8 cycles)	1/20 x	<input type="checkbox"/>	✓			
B2 (8 cycles)	1/20 x	<input type="checkbox"/>	✓			
C3 (8 cycles)	1/20 x	<input type="checkbox"/>	✓			
D4 (8 cycles)	1/20 x	<input type="checkbox"/>	✓			
E9 (8 cycles)	1/20 x	<input type="checkbox"/>	✓			
H15 (8 cycles)	1/20 x	<input type="checkbox"/>	✓			
I16 (8 cycles)	1/20 x	<input type="checkbox"/>	✓			
J7 (15 cycles)	1/20 x	<input type="checkbox"/>	✓			
K8 (15 cycles)	1/20 x	<input type="checkbox"/>	✓			
L12 (15 cycles)	1/20 x	<input type="checkbox"/>	✓			
M13 (15 cycles)	1/20 x	<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\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 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

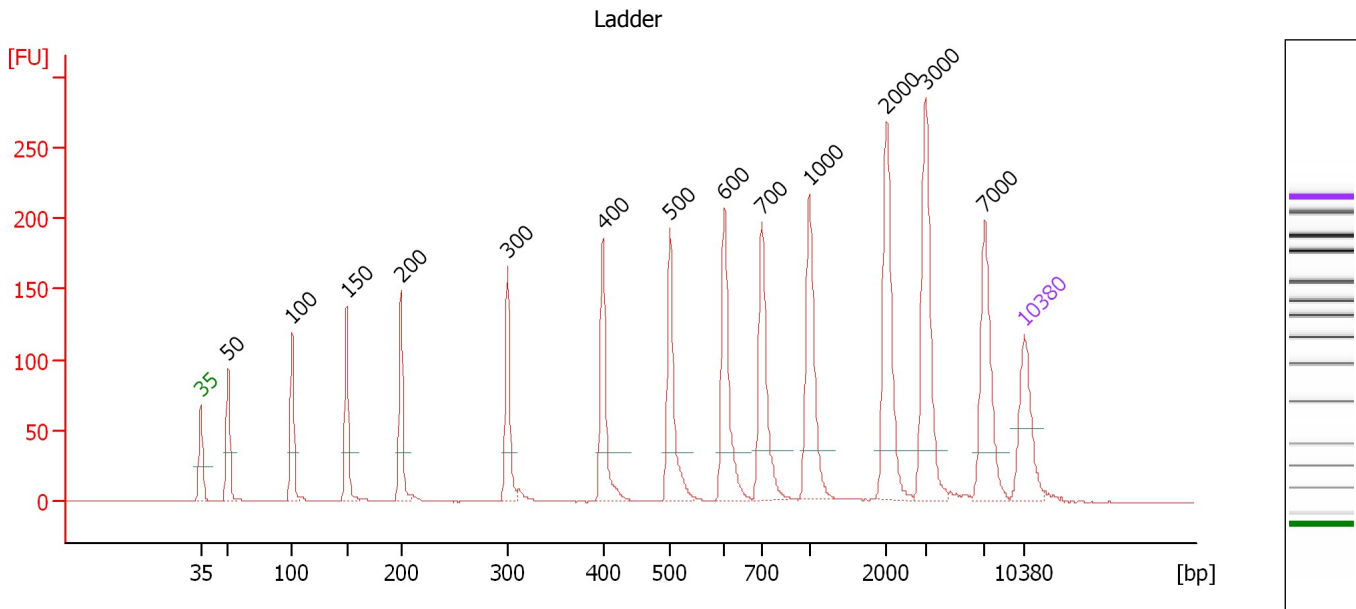
Ladder

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\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

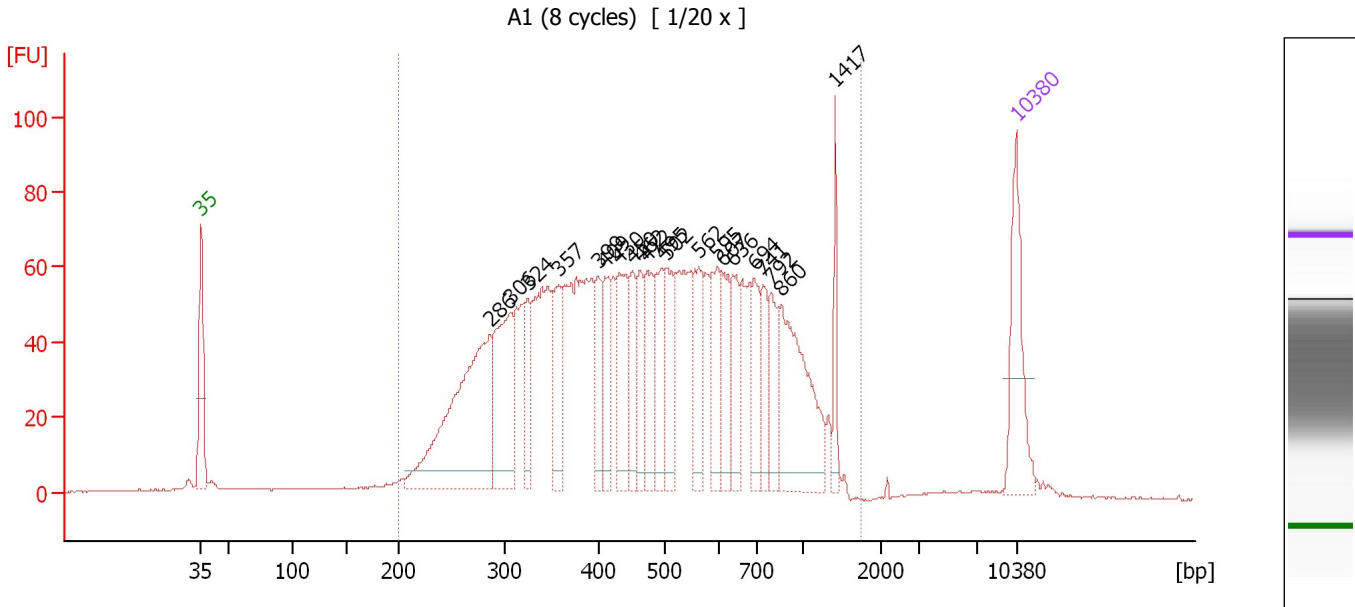
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : A1 (8 cycles)

Number of peaks found: 21 Corr. Area 1: 2,249.8
 Noise: 0.3


Peak table for sample 1 : A1 (8 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	286	317.42	1,682.6	
3	306	152.77	756.0	
4	324	53.59	250.4	
5	357	73.68	312.7	
6	399	54.43	206.8	
7	409	61.70	228.7	
8	430	92.62	326.7	
9	450	53.25	179.5	
10	462	52.97	173.9	
11	472	71.39	229.2	
12	495	74.69	228.5	
13	502	63.08	190.3	
14	562	64.64	174.4	
15	595	68.05	173.2	
16	607	53.58	133.6	
17	636	53.15	126.6	
18	694	51.80	113.1	
19	741	40.48	82.8	
20	792	48.01	91.9	
21	860	153.87	271.2	
22	1,417	27.62	29.5	
23	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
Modified: 9/22/2014 4:33:02 PM

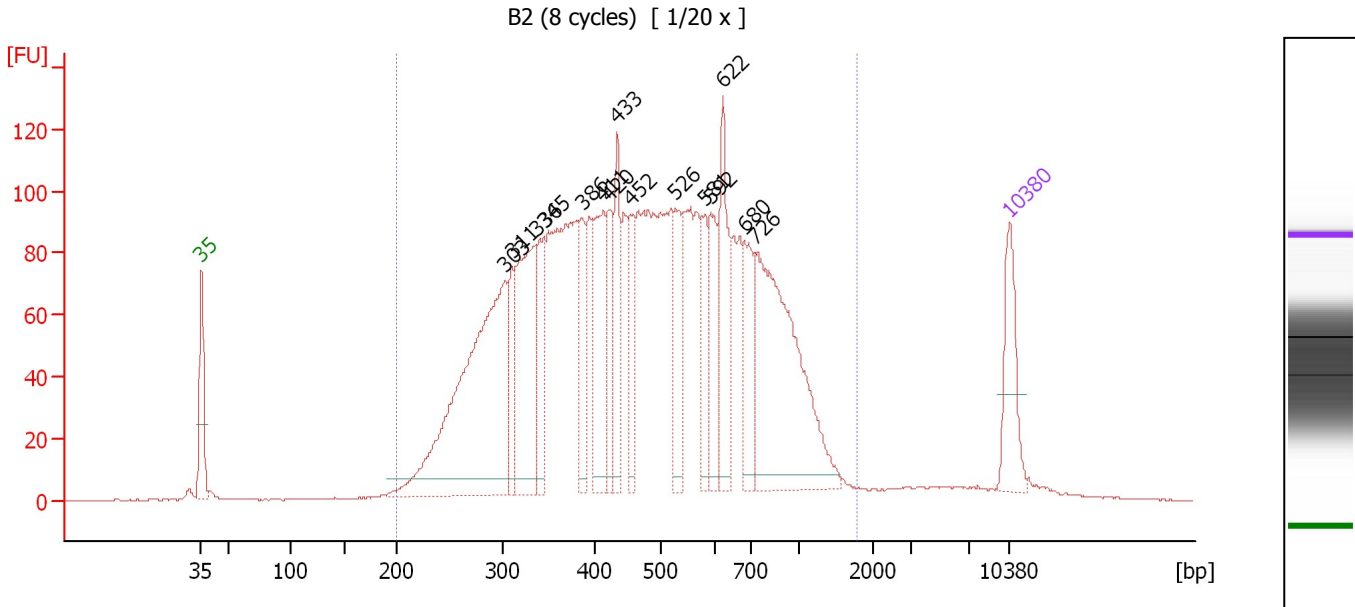
Electropherogram Summary Continued ...**... Region table for sample 1 : A1 (8 cycles)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
200	527	1,743	2,249.8	96	47.2	2,571.63	9,421.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : B2 (8 cycles)

Number of peaks found: 15 Corr. Area 1: 3,317.7
 Noise: 0.2

Peak table for sample 2 : B2 (8 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	303	612.31	3,062.4	
3	311	82.71	403.1	
4	336	251.83	1,135.6	
5	345	113.75	499.4	
6	386	85.33	335.3	
7	411	153.83	567.0	
8	420	90.29	325.8	
9	433	97.42	341.0	
10	452	86.64	290.2	
11	526	98.87	284.7	
12	581	73.40	191.4	
13	592	102.57	262.5	
14	622	134.09	326.6	
15	680	105.24	234.4	
16	726	399.10	833.4	
17	10,380	75.00	10.9	Upper Marker

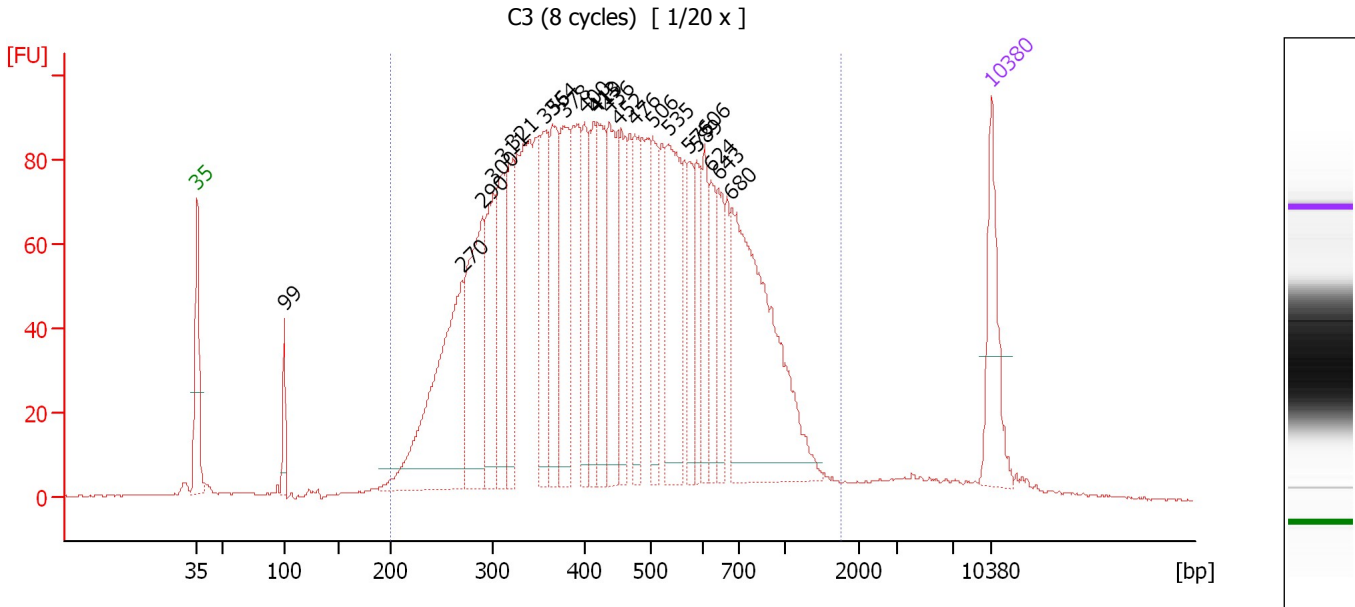
Region table for sample 2 : B2 (8 cycles)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	514	1,770	3,317.7	97	43.8	3,959.71	14,421.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C3 (8 cycles)

Number of peaks found: 23 Corr. Area 1: 3,067.7
 Noise: 0.2


Peak table for sample 3 : C3 (8 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	99	38.33	585.8	
3	270	327.83	1,839.6	
4	290	226.92	1,186.8	
5	300	123.57	624.0	
6	311	130.52	635.8	
7	321	112.12	528.4	
8	355	127.59	544.5	
9	364	133.25	554.2	
10	378	143.15	574.4	
11	400	90.70	343.9	
12	413	89.87	329.3	
13	419	115.30	416.7	
14	436	130.92	454.4	
15	452	85.17	285.4	
16	476	88.88	282.9	
17	506	96.47	288.9	
18	535	168.65	477.3	
19	575	62.26	164.1	
20	589	65.36	168.1	
21	606	64.16	160.3	
22	624	56.07	136.1	
23	643	66.69	157.0	
24	680	362.89	808.1	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
Modified: 9/22/2014 4:33:02 PM

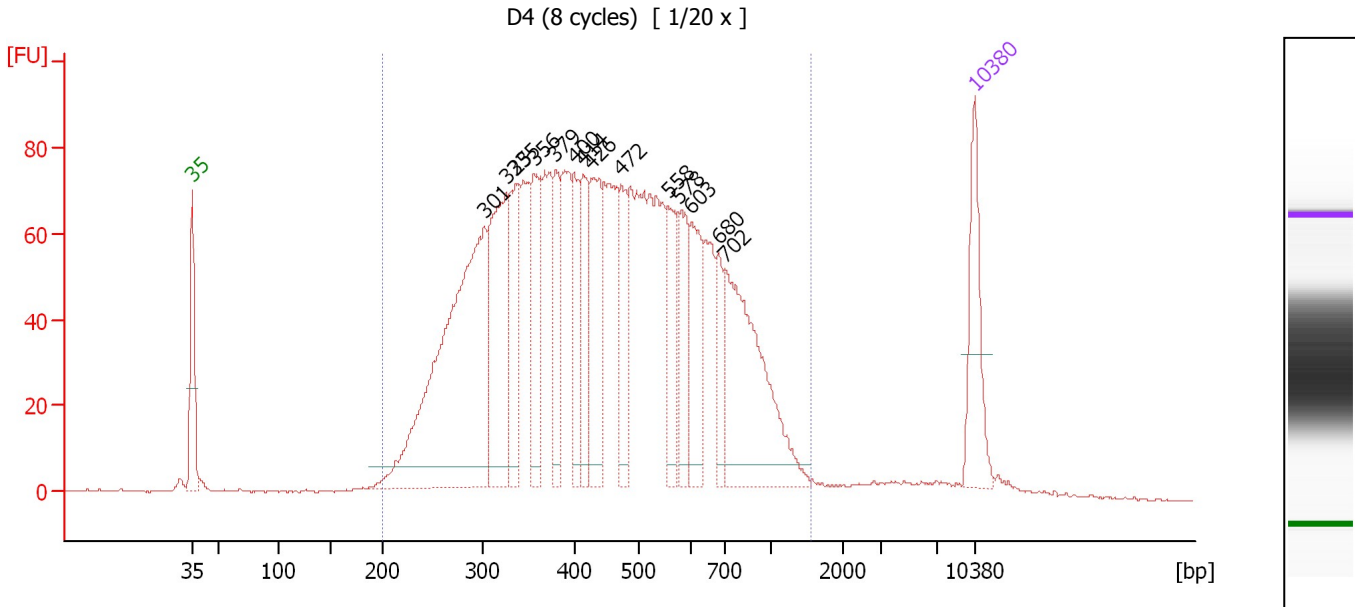
Electropherogram Summary Continued ...**... Region table for sample 3 : C3 (8 cycles)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
200	487	1,753	3,067.7	96	42.8	3,851.24	14,596.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : D4 (8 cycles)

Number of peaks found: 14 Corr. Area 1: 2,561.8
 Noise: 0.2

Peak table for sample 4 : D4 (8 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	301	559.84	2,818.2	
3	325	226.26	1,056.4	
4	335	114.83	519.2	
5	356	113.37	482.1	
6	379	74.70	298.9	
7	400	81.13	307.5	
8	414	79.95	292.7	
9	426	120.71	428.9	
10	472	83.52	267.9	
11	558	86.17	234.1	
12	578	78.05	204.5	
13	603	92.90	233.4	
14	680	47.63	106.2	
15	702	245.34	529.8	
16	10,380	75.00	10.9	Upper Marker

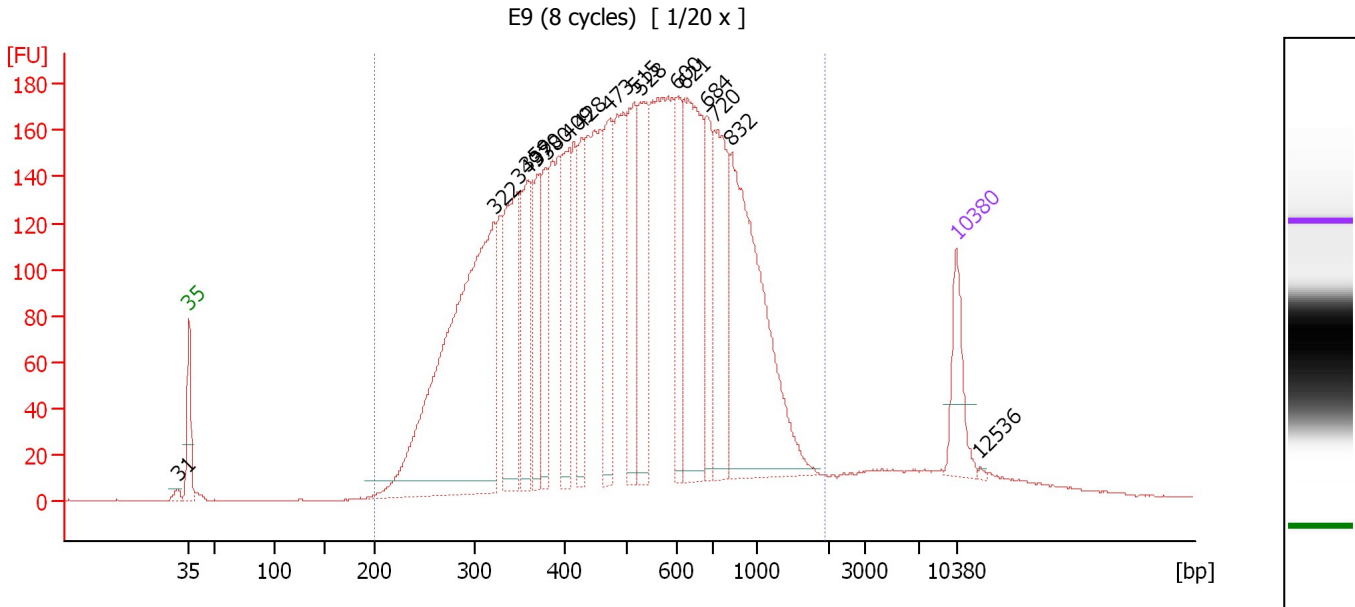
Region table for sample 4 : D4 (8 cycles)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	480	1,548	2,561.8	96	41.1	3,137.52	11,981.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : E9 (8 cycles)

Number of peaks found: 17 Corr. Area 1: 5,620.5
 Noise: 0.2

Peak table for sample 5 : E9 (8 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	322	993.29	4,679.1	
4	349	297.81	1,294.4	
5	359	182.18	769.3	
6	370	124.72	510.4	
7	380	134.46	536.4	
8	409	163.10	604.6	
9	428	136.48	482.8	
10	473	187.73	601.8	
11	515	196.32	578.1	
12	528	194.35	557.4	
13	600	123.52	312.0	
14	621	344.62	840.7	
15	684	132.74	294.1	
16	720	234.27	493.0	
17	832	508.05	925.0	
18	10,380	75.00	10.9	Upper Marker
19	12,536	0.00	0.0	

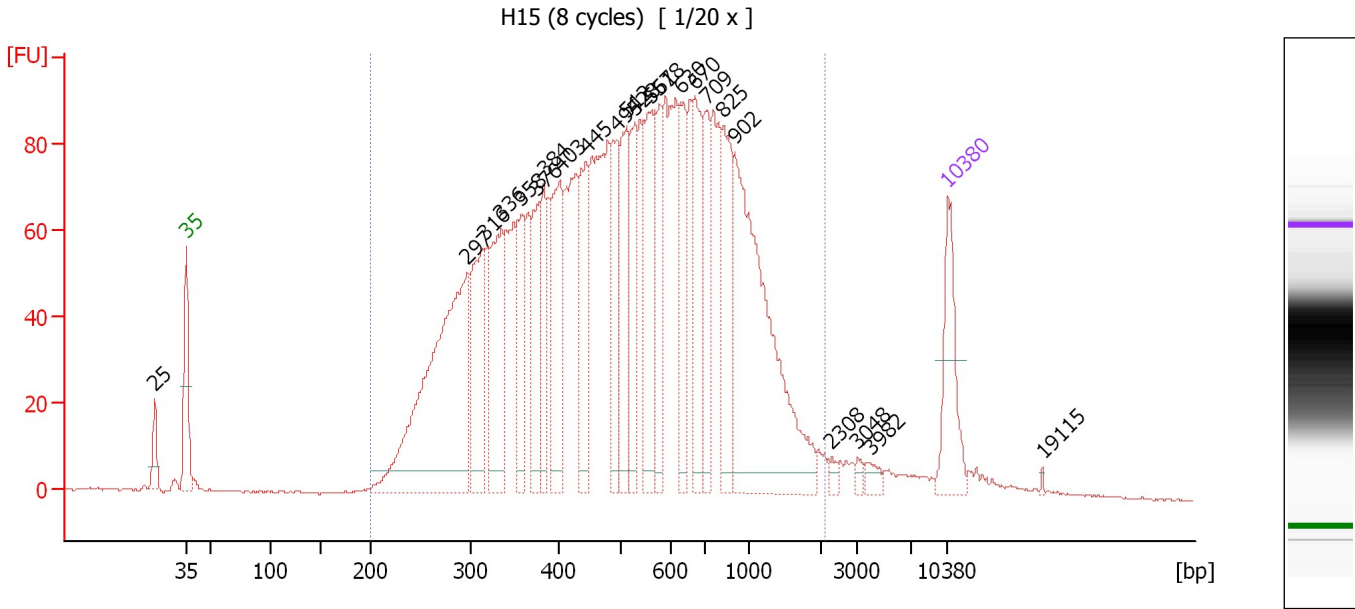
Region table for sample 5 : E9 (8 cycles)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	549	1,959	5,620.5	97	46.7	5,874.98	20,389.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : H15 (8 cycles)

Number of peaks found: 23 Corr. Area 1: 2,934.8
 Noise: 0.3

Peak table for sample 6 : H15 (8 cycles)


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	25	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	297	502.77	2,563.1	
4	316	169.66	813.0	
5	336	186.62	841.3	
6	358	93.54	396.1	
7	376	104.95	423.0	
8	384	89.04	351.5	
9	403	155.57	585.3	
10	445	128.95	439.3	
11	494	107.74	330.1	
12	512	120.98	357.8	
13	528	93.61	268.6	
14	561	145.07	391.8	
15	578	85.16	223.3	
16	630	96.09	231.3	
17	670	122.03	276.1	
18	709	87.76	187.7	
19	825	120.61	221.5	
20	902	380.31	639.1	
21	2,308	6.88	4.5	
22	3,048	6.28	3.1	
23	3,982	10.90	4.1	
24	10,380	75.00	10.9	Upper Marker
25	19,115	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...

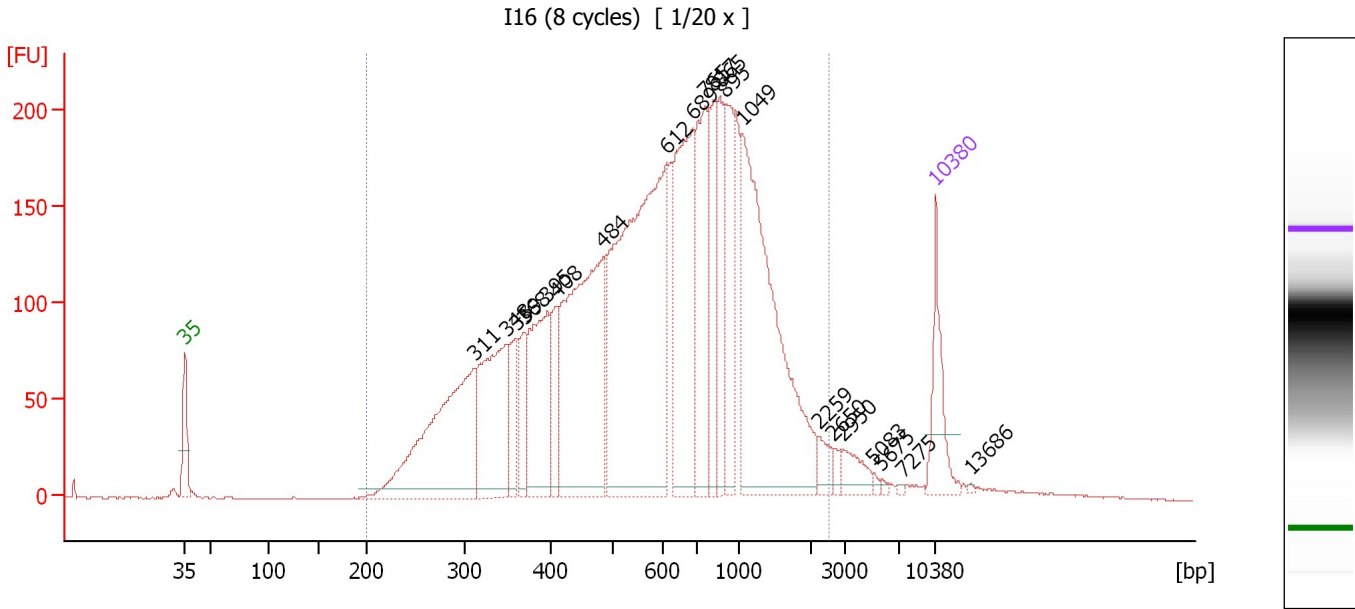
... Region table for sample 6 : H15 (8 cycles)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/ μ l]	Molarity [pmol/l]	Color
200	585	2,131	2,934.8	96	52.1	4,050.86	13,781.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : I16 (8 cycles)

Number of peaks found: 21 Corr. Area 1: 4,916.9
 Noise: 0.2

Peak table for sample 7 : I16 (8 cycles)


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	311	457.64	2,230.9	
3	348	283.92	1,237.7	
4	359	79.88	336.9	
5	368	76.47	314.5	
6	395	221.80	850.0	
7	408	81.74	303.4	
8	484	522.11	1,634.7	
9	612	760.22	1,882.9	
10	689	349.15	768.4	
11	765	214.55	424.8	
12	817	137.55	255.1	
13	865	109.66	192.1	
14	895	155.17	262.8	
15	1,049	521.15	752.6	
16	2,259	24.72	16.6	
17	2,650	10.31	5.9	
18	2,950	33.70	17.3	
19	5,083	4.46	1.3	
20	5,675	2.77	0.7	
21	7,275	2.68	0.6	
22	10,380	75.00	10.9	Upper Marker
23	13,686	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...

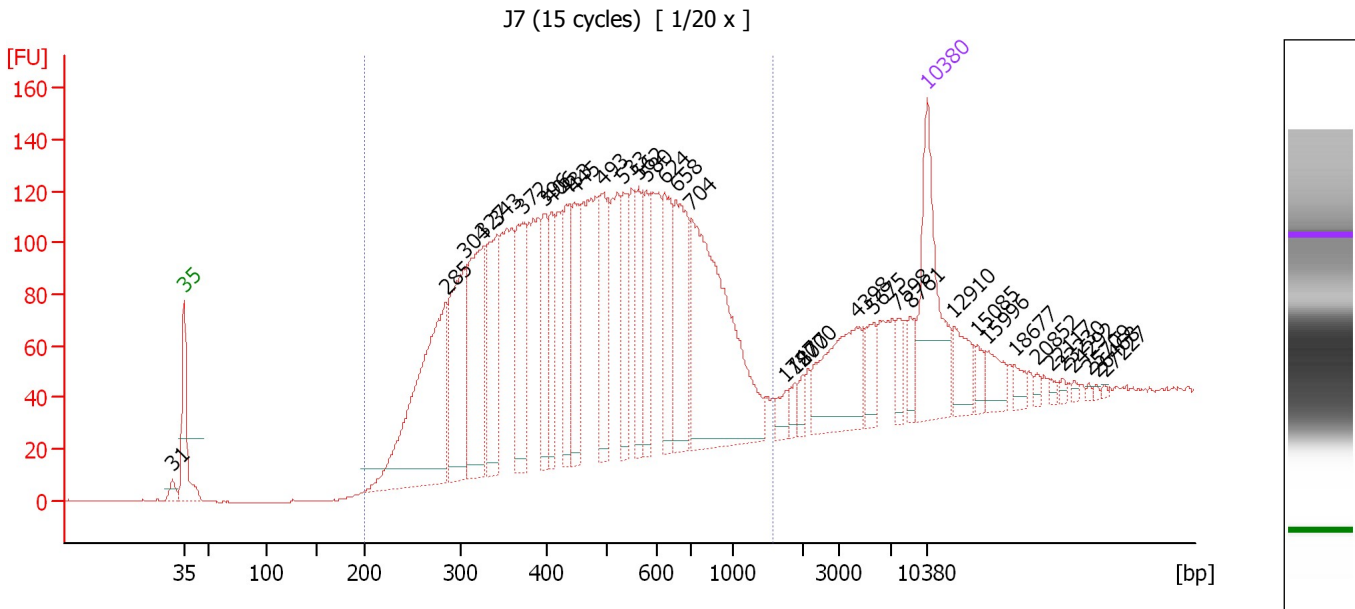
... Region table for sample 7 : **I16 (8 cycles)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/ μ l]	Molarity [pmol/l]	Color
200	718	2,538	4,916.9	97	55.2	4,067.83	11,868.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : J7 (15 cycles)

Number of peaks found: 35 Corr. Area 1: 3,231.8
 Noise: 0.3

Peak table for sample 8 : J7 (15 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	285	224.01	1,191.0	
4	304	124.81	621.5	
5	327	130.03	603.4	
6	343	90.65	400.9	
7	372	77.77	317.0	
8	396	50.14	191.6	
9	406	49.68	185.2	
10	433	53.35	186.8	
11	445	60.20	204.9	
12	493	73.04	224.3	
13	533	49.23	139.9	
14	562	44.23	119.2	
15	580	39.61	103.5	
16	624	60.31	146.4	
17	658	82.77	190.7	
18	704	218.75	470.5	
19	1,747	8.76	7.6	
20	1,877	7.52	6.1	
21	2,000	6.03	4.6	
22	4,398	65.34	22.5	
23	5,675	15.67	4.2	
24	7,598	11.74	2.3	
25	8,761	12.64	2.2	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad


Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : J7 (15 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	12,910	0.00	0.0	
28	15,085	0.00	0.0	
29	15,996	0.00	0.0	
30	18,677	0.00	0.0	
31	20,852	0.00	0.0	
32	22,117	0.00	0.0	
33	23,230	0.00	0.0	
34	24,292	0.00	0.0	
35	25,709	0.00	0.0	
36	26,468	0.00	0.0	
37	27,227	0.00	0.0	

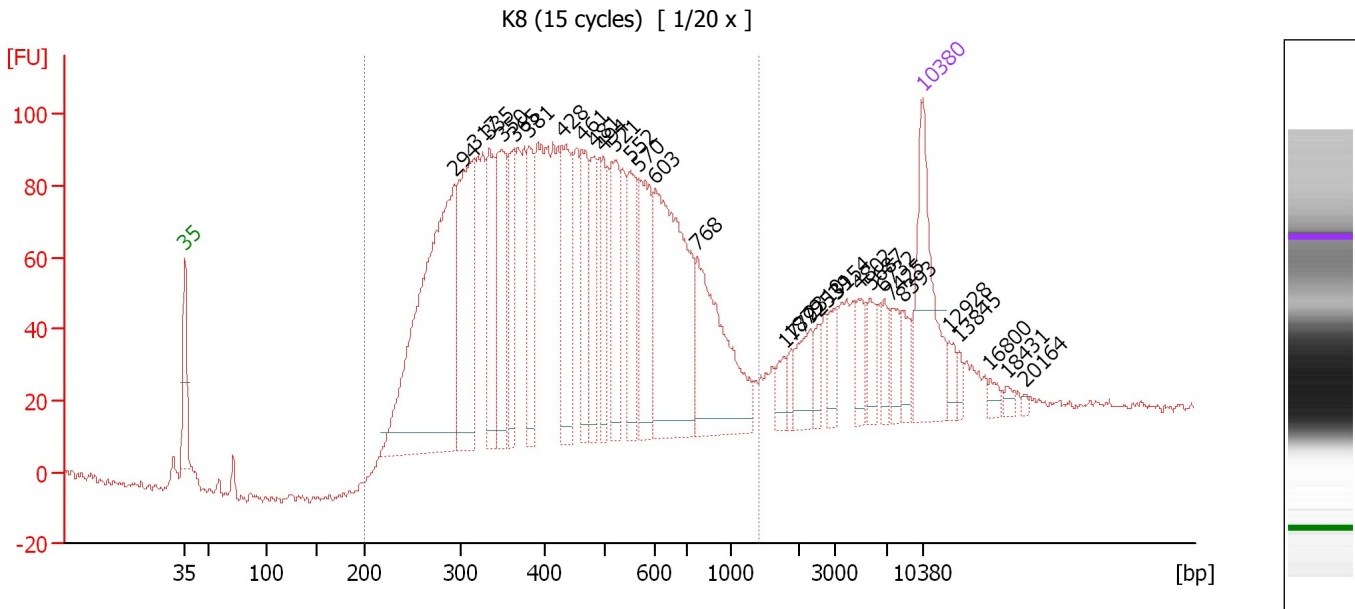
Region table for sample 8 : J7 (15 cycles)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	509	1,559	3,231.8	86	41.2	1,820.23	6,561.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : K8 (15 cycles)

Number of peaks found: 30 Corr. Area 1: 2,788.2
 Noise: 1.1

Peak table for sample 9 : K8 (15 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	294	382.06	1,967.7	
3	317	165.28	791.1	
4	335	88.04	398.6	
5	350	99.87	432.8	
6	365	64.33	267.4	
7	381	62.36	248.1	
8	428	99.44	352.4	
9	461	71.40	234.6	
10	481	57.56	181.4	
11	494	48.64	149.2	
12	521	71.49	207.9	
13	552	62.15	170.7	
14	570	76.18	202.4	
15	603	199.06	500.3	
16	768	128.23	253.1	
17	1,779	11.77	10.0	
18	1,879	8.42	6.8	
19	2,310	25.42	16.7	
20	2,539	11.34	6.8	
21	3,154	16.58	8.0	
22	4,802	18.54	5.9	
23	5,687	18.17	4.8	
24	6,732	12.98	2.9	
25	7,425	15.59	3.2	
26	8,393	16.08	2.9	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad


Created: 9/22/2014 3:48:55 PM
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Electropherogram Summary Continued ...

... Peak table for sample 9 : K8 (15 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker
28	12,928	0.00	0.0	
29	13,845	0.00	0.0	
30	16,800	0.00	0.0	
31	18,431	0.00	0.0	
32	20,164	0.00	0.0	

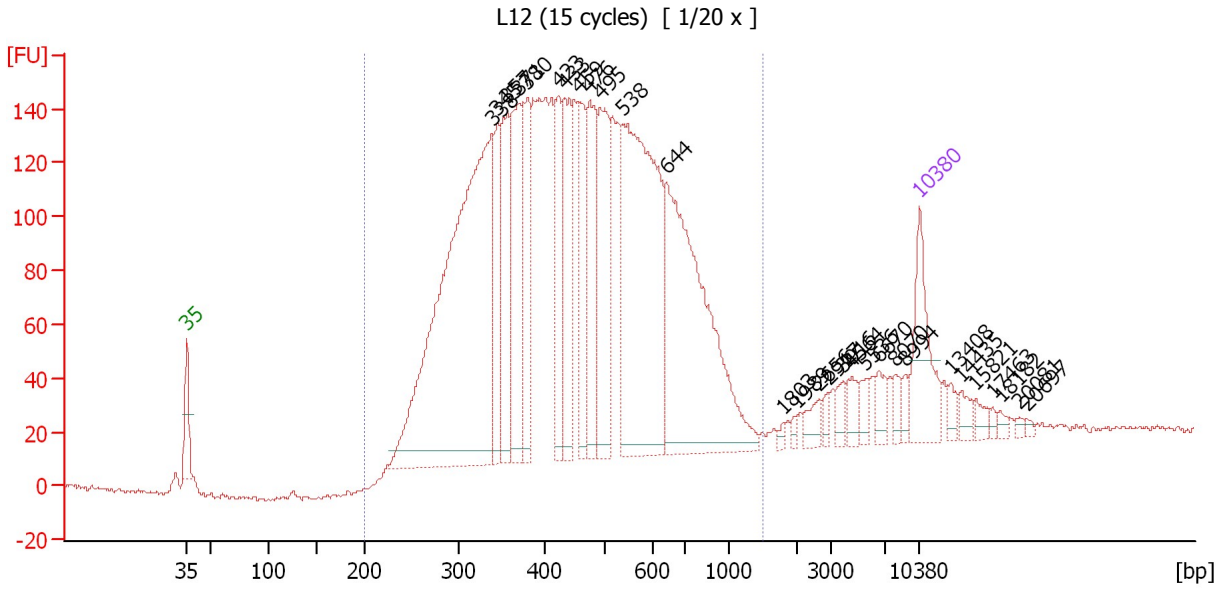
Region table for sample 9 : K8 (15 cycles)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	472	1,417	2,788.2	85	40.4	2,266.58	8,701.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : L12 (15 cycles)

Number of peaks found: 29 Corr. Area 1: 3,972.3
 Noise: 0.9

Peak table for sample 10 : L12 (15 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	338	850.36	3,806.4	
3	345	106.37	467.5	
4	357	147.11	624.9	
5	371	203.80	833.4	
6	380	105.43	420.4	
7	423	99.29	355.5	
8	433	143.22	501.1	
9	459	109.56	361.7	
10	476	143.20	456.0	
11	495	166.50	510.1	
12	538	464.56	1,307.3	
13	644	409.63	964.4	
14	1,803	3.82	3.2	
15	1,989	5.38	4.1	
16	2,656	16.51	9.4	
17	2,917	8.65	4.5	
18	3,916	13.23	5.1	
19	4,564	18.58	6.2	
20	5,536	13.06	3.6	
21	6,670	18.64	4.2	
22	8,070	12.98	2.4	
23	8,994	9.59	1.6	
24	10,380	75.00	10.9	Upper Marker
25	13,408	0.00	0.0	
26	14,435	0.00	0.0	


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

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Modified: 9/22/2014 4:33:02 PM

Electropherogram Summary Continued ...**... Peak table for sample 10 : L12 (15 cycles)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	15,821	0.00	0.0	
28	17,463	0.00	0.0	
29	18,182	0.00	0.0	
30	20,081	0.00	0.0	
31	20,697	0.00	0.0	

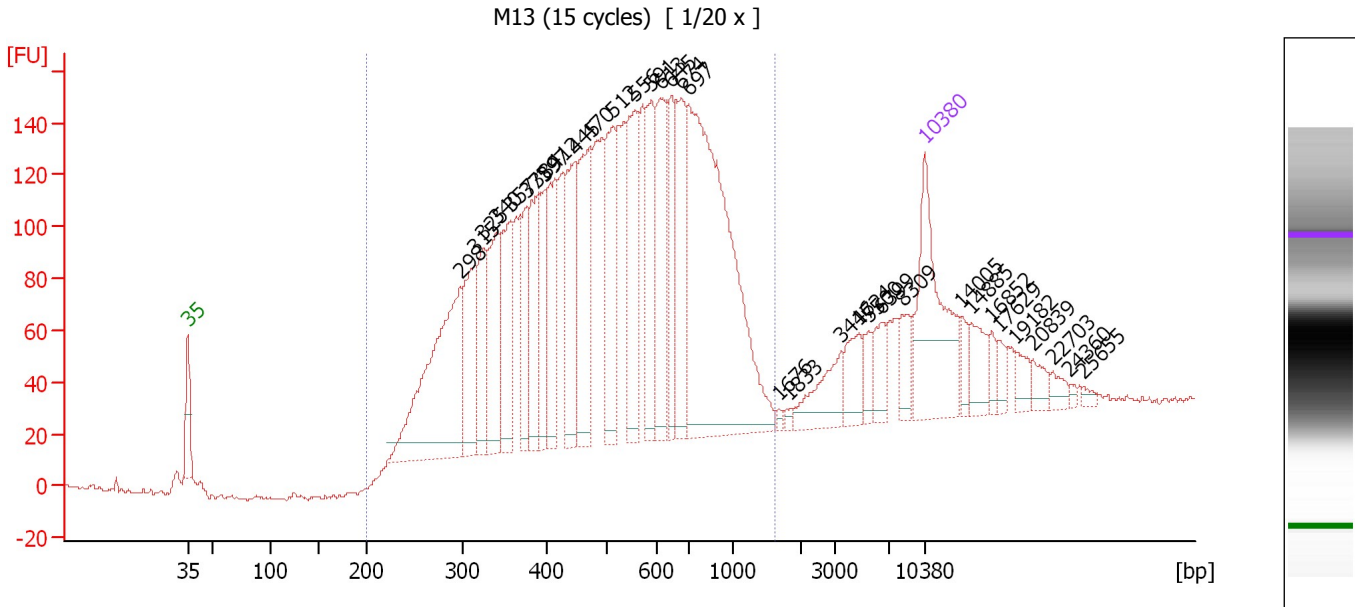
Region table for sample 10 : L12 (15 cycles)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	477	1,512	3,972.3	92	36.0	3,592.57	13,223.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : M13 (15 cycles)

Number of peaks found: 34 Corr. Area 1: 3,741.6
 Noise: 0.8

Peak table for sample 11 : M13 (15 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	298	187.56	953.1	
3	315	71.08	341.8	
4	325	50.12	233.5	
5	340	72.60	323.2	
6	357	74.01	314.2	
7	375	47.28	190.9	
8	389	54.07	210.9	
9	397	51.48	196.3	
10	412	62.01	228.3	
11	445	84.18	286.7	
12	470	82.52	266.0	
13	512	74.41	220.2	
14	556	83.39	227.1	
15	591	61.12	156.7	
16	613	74.42	184.1	
17	645	44.19	103.8	
18	674	67.81	152.4	
19	697	307.72	669.2	
20	1,676	2.04	1.8	
21	1,833	2.28	1.9	
22	3,416	28.45	12.6	
23	4,724	19.78	6.3	
24	5,500	11.65	3.2	
25	6,399	16.96	4.0	
26	8,309	15.05	2.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : M13 (15 cycles)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker
28	14,005	0.00	0.0	
29	14,885	0.00	0.0	
30	16,852	0.00	0.0	
31	17,629	0.00	0.0	
32	19,182	0.00	0.0	
33	20,839	0.00	0.0	
34	22,703	0.00	0.0	
35	24,360	0.00	0.0	
36	25,655	0.00	0.0	

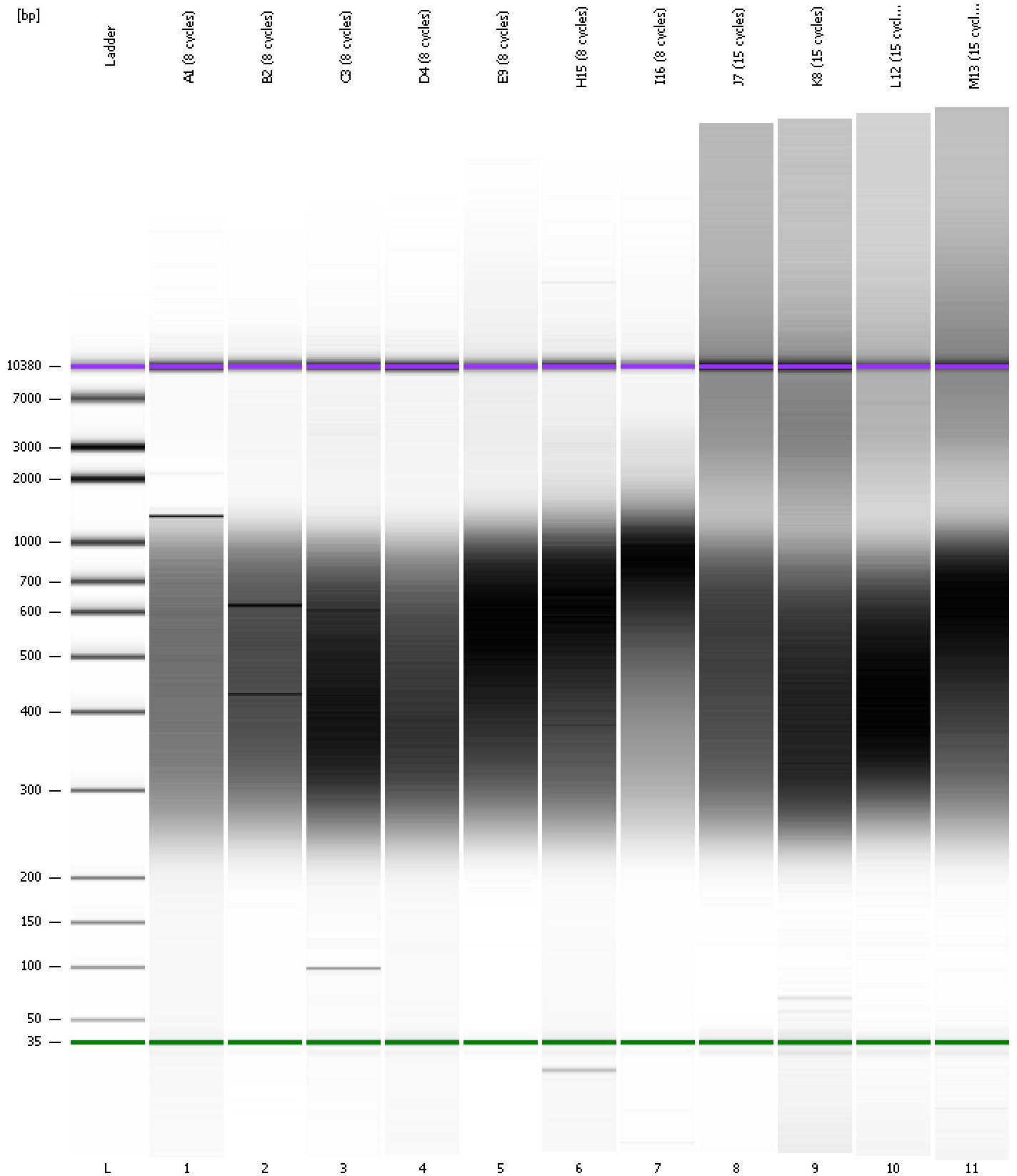
Region table for sample 11 : M13 (15 cycles)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	548	1,620	3,741.6	88	41.0	1,837.34	6,200.8	■

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
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Gel Image

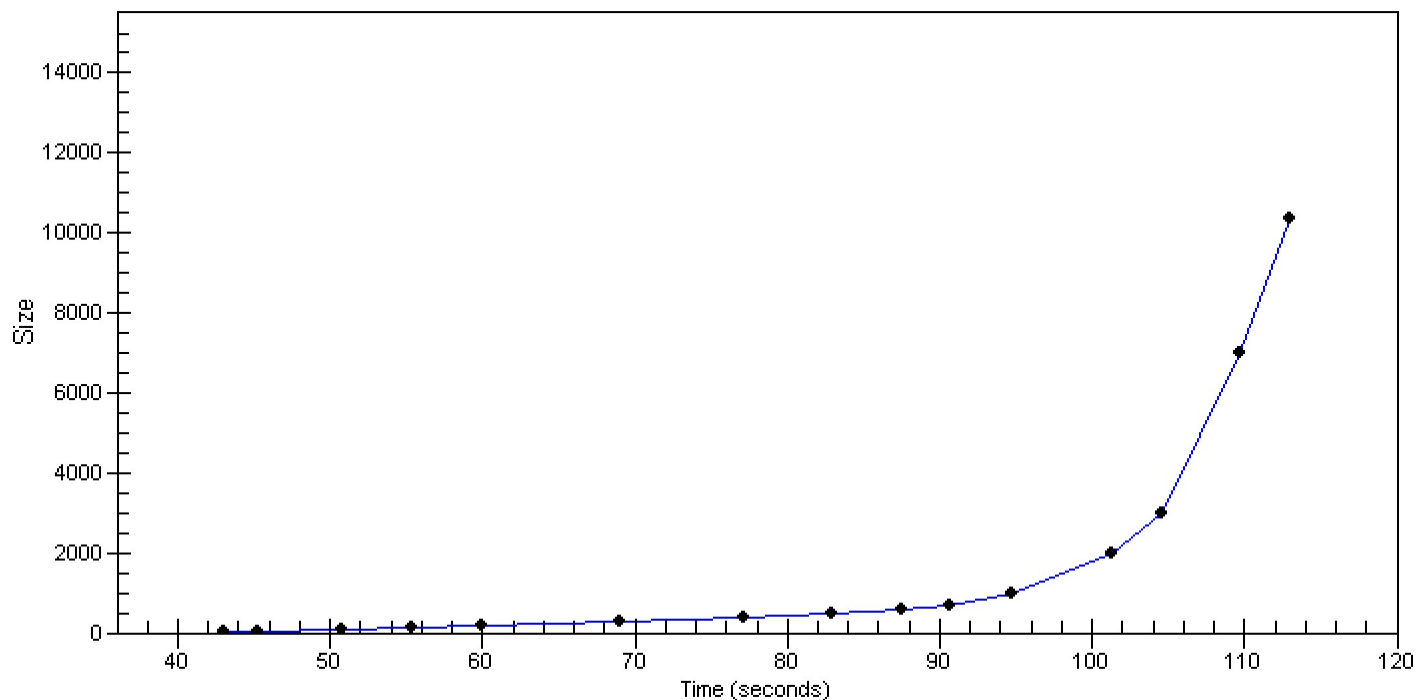


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
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Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad

Created: 9/22/2014 3:48:55 PM
 Modified: 9/22/2014 4:33:02 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		9/22/2014 4:29:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-09-22\2014-09-22_007.xad)		Instrument	Run		9/22/2014 3:48:56 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/22/2014 3:48:56 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/22/2014 3:48:56 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/22/2014 3:48:56 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/22/2014 3:48:56 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/22/2014 3:48:56 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/22/2014 3:48:56 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1