

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-02\2017-08-02_002.xad

Created: 8/2/2017 4:42:30 PM
Modified: 8/2/2017 5:21:00 PM

Electrophoresis File Run Summary

Instrument Information:

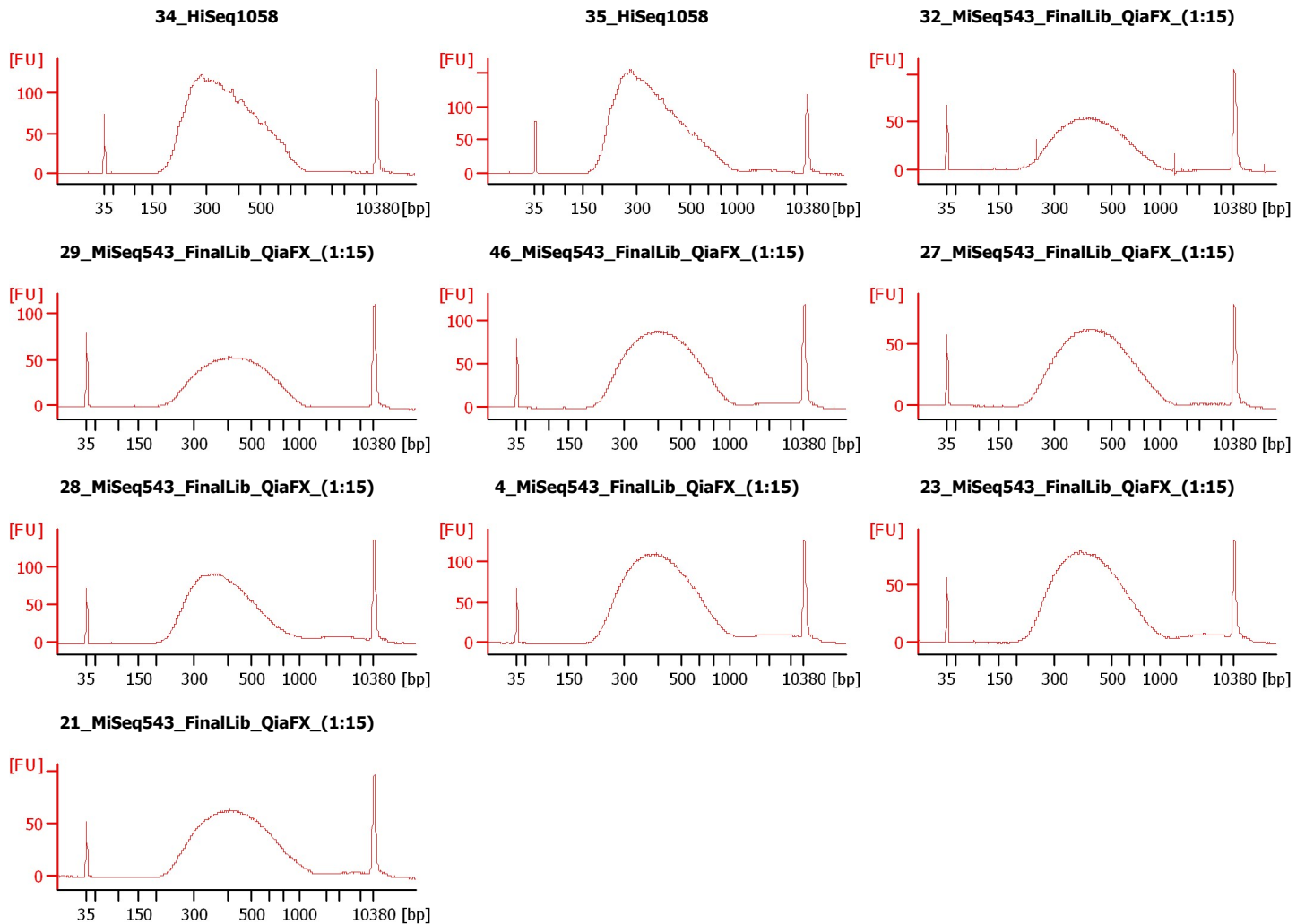
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



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Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-02\2017-08-02_002.xad

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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
34_HiSeq1058		<input type="checkbox"/>	✓			
35_HiSeq1058		<input type="checkbox"/>	✓			
32_MiSeq543_FinalLib_QiaFX_(1:15)		<input type="checkbox"/>	✓			
29_MiSeq543_FinalLib_QiaFX_(1:15)		<input type="checkbox"/>	✓			
46_MiSeq543_FinalLib_QiaFX_(1:15)		<input type="checkbox"/>	✓			
27_MiSeq543_FinalLib_QiaFX_(1:15)		<input type="checkbox"/>	✓			
28_MiSeq543_FinalLib_QiaFX_(1:15)		<input type="checkbox"/>	✓			
4_MiSeq543_FinalLib_QiaFX_(1:15)		<input type="checkbox"/>	✓			
23_MiSeq543_FinalLib_QiaFX_(1:15)		<input type="checkbox"/>	✓			
21_MiSeq543_FinalLib_QiaFX_(1:15)		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

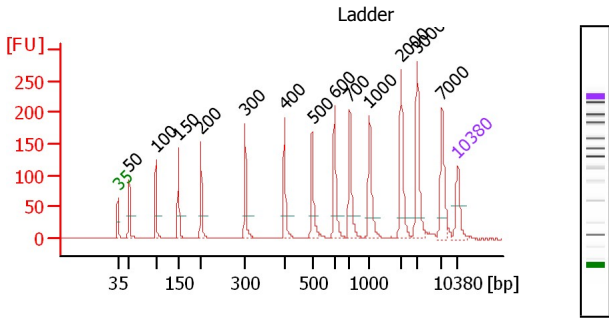
Reagent Kit Lot #

Chip Comments :

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Electropherogram Summary



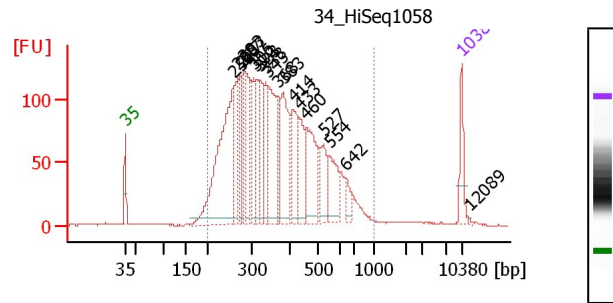
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.32
3	100	150.00	2,272.7	Ladder Peak	50.83
4	150	150.00	1,515.2	Ladder Peak	55.47
5	200	150.00	1,136.4	Ladder Peak	60.11
6	300	150.00	757.6	Ladder Peak	69.23
7	400	150.00	568.2	Ladder Peak	77.31
8	500	150.00	454.5	Ladder Peak	82.99
9	600	150.00	378.8	Ladder Peak	87.63
10	700	150.00	324.7	Ladder Peak	90.77
11	1,000	150.00	227.3	Ladder Peak	94.81
12	2,000	150.00	113.6	Ladder Peak	101.30
13	3,000	150.00	75.8	Ladder Peak	104.66

Overall Results for Ladder

Noise: 0.2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
14	7,000	150.00	32.5	Ladder Peak	109.73
15	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 1 : 34_HiSeq1058

Number of peaks found: 19
 Noise: 0.2
 Corr. Area 1: 3,588.4

Region table for sample 1 : 34_HiSeq1058

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	379	3,588.4	19,464.6	4,263.3	96.7	33.0

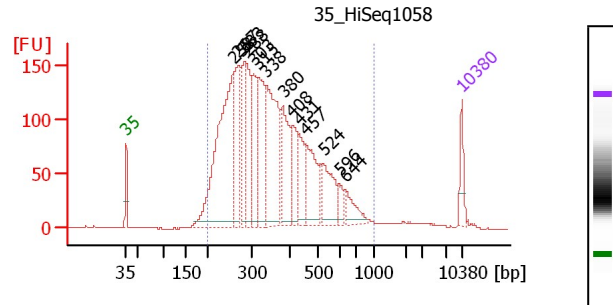
Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...

Peak table for sample 1 : 34 HiSeq1058

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	259	845.32	4,938.7		65.52
3	269	189.75	1,067.3		66.43
4	277	131.36	718.6		67.13
5	283	132.72	710.1		67.70
6	287	229.32	1,210.7		68.04
7	306	120.33	595.2		69.74
8	312	163.97	797.1		70.17
9	323	235.47	1,104.6		71.09
10	338	107.27	481.5		72.26
11	343	355.34	1,567.7		72.74
12	368	119.43	491.5		74.74
13	383	307.95	1,217.5		75.96
14	414	186.08	681.6		78.09
15	433	166.06	581.3		79.17
16	460	254.19	836.6		80.74
17	527	114.11	327.8		84.26
18	554	156.00	426.9		85.48
19	642	44.67	105.4		88.96
20	10,380	75.00	10.9	Upper Marker	113.00
21	12,089	0.00	0.0		114.65



Overall Results for sample 2 : 35 HiSeq1058

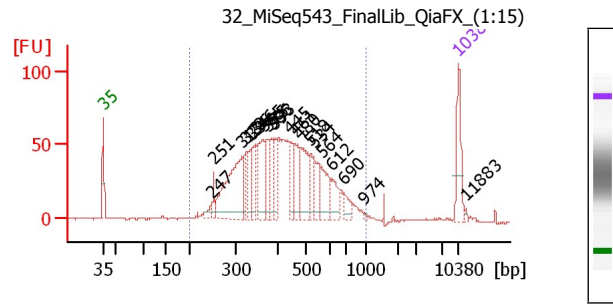
Number of peaks found: 14
 Noise: 0.2
 Corr. Area 1: 4,175.9

Region table for sample 2 : 35 HiSeq1058

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution CV [%]
200	1,000	363	4,175.9	25,386.0	5,347.2	96	33.7

Peak table for sample 2 : 35 HiSeq1058

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	258	1,259.17	7,398.0		65.39
3	267	374.65	2,126.3		66.22
4	283	247.22	1,324.8		67.65
5	288	338.77	1,779.4		68.18
6	303	337.79	1,688.2		69.48
7	315	451.52	2,171.7		70.44
8	338	633.66	2,838.9		72.32
9	380	335.37	1,336.4		75.71
10	408	195.39	725.8		77.76
11	431	170.73	600.3		79.07
12	457	287.31	952.5		80.55
13	524	223.33	645.3		84.12
14	596	48.56	123.5		87.43
15	644	94.57	222.6		89.00
16	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 3

Number of peaks found: 20
 Noise: 0.3
 Corr. Area 1: 1,521.7

Region table for sample 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution CV [%]
200	1,000	436	1,521.7	6,861.4	1,757.6	96	30.0

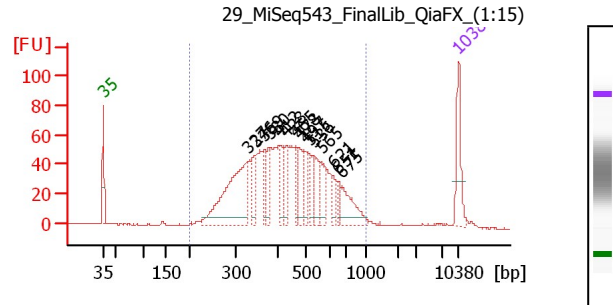
Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...

Peak table for sample 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	247	23.86	146.6		64.35
3	251	23.45	141.4		64.79
4	313	283.06	1,369.3		70.30
5	322	55.42	260.4		71.04
6	336	86.01	387.8		72.14
7	346	74.66	326.5		72.98
8	365	142.63	592.2		74.48
9	375	75.74	305.8		75.31
10	386	52.11	204.7		76.15
11	393	58.84	226.7		76.77
12	445	56.38	191.8		79.89
13	461	70.31	231.1		80.77
14	480	126.76	399.8		81.87
15	518	47.13	137.9		83.81
16	534	75.88	215.3		84.56
17	564	80.63	216.5		85.97
18	612	53.79	133.3		87.99
19	690	30.91	67.9		90.46
20	974	3.55	5.5		94.47
21	10,380	75.00	10.9	Upper Marker	113.00
22	11,883	0.00	0.0		114.45



Overall Results for sample 4

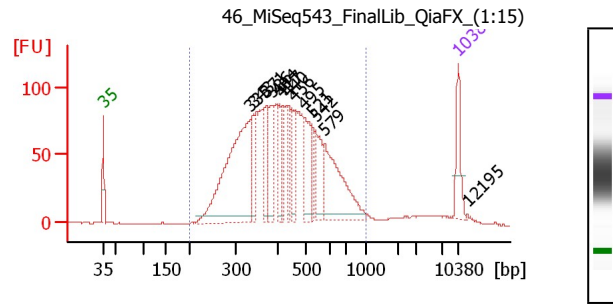
Number of peaks found: 15
 Noise: 0.2
 Corr. Area 1: 1,555.9

Region table for sample 4

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]	Size distribution
200	1,000	451	1,555.9	6,454.3	1,695.9	96	30.8

Peak table for sample 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	327	363.88	1,685.5		71.42
3	346	73.16	320.5		72.94
4	369	44.65	183.3		74.81
5	380	58.47	233.1		75.70
6	412	60.67	223.3		77.98
7	428	56.33	199.3		78.91
8	465	44.74	145.7		81.01
9	478	76.65	243.1		81.73
10	497	55.54	169.2		82.84
11	515	57.14	168.1		83.69
12	536	66.97	189.2		84.67
13	565	60.77	163.0		86.01
14	621	33.92	82.8		88.28
15	651	21.92	51.1		89.22
16	675	90.13	202.4		89.98
17	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 5

Number of peaks found: 13
 Noise: 0.2
 Corr. Area 1: 2,446.8

Region table for sample 5

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]	Size distribution
200	1,000	439	2,446.8	10,058.0	2,597.1	95	30.0

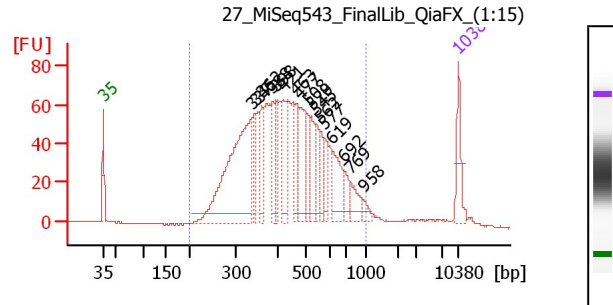
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-02\2017-08-02_002.xad

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Electropherogram Summary Continued ...

Peak table for sample 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	335	672.59	3,041.6		72.06
3	343	83.07	366.5		72.74
4	371	134.40	548.5		74.99
5	386	131.08	514.2		76.20
6	404	74.31	278.6		77.55
7	417	73.29	266.4		78.27
8	440	71.05	244.7		79.57
9	456	77.49	257.6		80.47
10	495	122.34	374.8		82.68
11	521	64.74	188.1		83.98
12	542	118.72	332.0		84.93
13	579	272.34	713.2		86.64
14	10,380	75.00	10.9	Upper Marker	113.00
15	12,195	0.00	0.0		114.75



Overall Results for sample 6

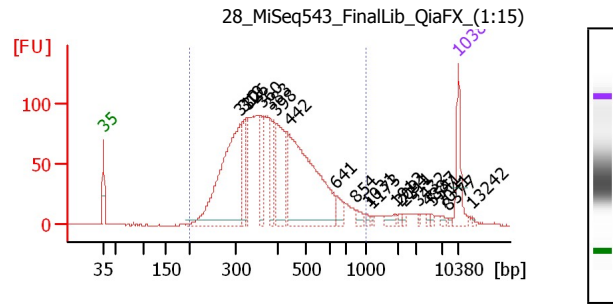
Number of peaks found: 17
 Noise: 0.2
 Corr. Area 1: 1,784.5

Region table for sample 6

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution CV [%]
200	1,000	453	1,784.5	10,100.2	2,666.6	95	31.3

Peak table for sample 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	337	640.29	2,875.1		72.25
3	346	72.40	317.2		72.94
4	362	101.70	425.5		74.25
5	388	95.92	374.6		76.34
6	398	83.34	317.2		77.16
7	421	114.30	411.0		78.52
8	463	85.99	281.4		80.88
9	477	168.67	535.4		81.70
10	508	62.82	187.6		83.34
11	520	91.17	265.5		83.93
12	545	71.23	198.1		85.06
13	562	54.24	146.2		85.88
14	577	66.54	174.7		86.56
15	619	112.25	274.5		88.24
16	692	44.49	97.4		90.51
17	769	58.75	115.8		91.70
18	958	18.52	29.3		94.24
19	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 7

Number of peaks found: 20
 Noise: 0.2
 Corr. Area 1: 2,354.6

Region table for sample 7

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution CV [%]
200	1,000	409	2,354.6	9,221.3	2,231.0	93	30.7

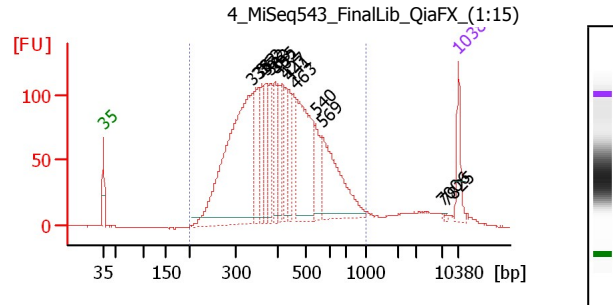
Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...

Peak table for sample 7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	310	570.18	2,788.4		70.02
3	319	92.14	437.7		70.76
4	326	75.97	353.3		71.31
5	360	71.92	302.7		74.08
6	383	81.44	321.8		75.97
7	398	186.61	711.0		77.12
8	442	538.93	1,846.6		79.71
9	641	36.06	85.2		88.93
10	854	15.69	27.8		92.85
11	1,031	5.18	7.6		95.02
12	1,173	3.90	5.0		95.94
13	1,912	13.98	11.1		100.73
14	2,091	5.56	4.0		101.61
15	2,311	3.87	2.5		102.35
16	3,432	3.82	1.7		105.21
17	4,887	3.68	1.1		107.05
18	5,541	4.58	1.3		107.88
19	7,041	3.98	0.9		109.77
20	8,377	2.64	0.5		111.06
21	10,380	75.00	10.9	Upper Marker	113.00
22	13,242	0.00	0.0		115.77



Overall Results for sample 8

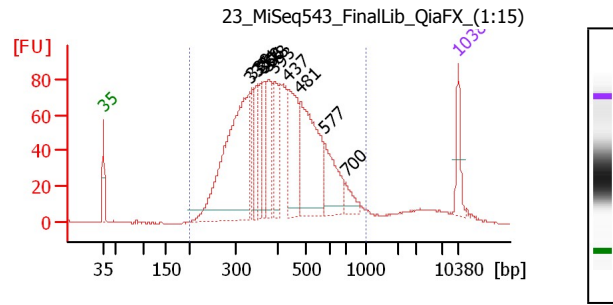
Number of peaks found: 14
 Noise: 0.2
 Corr. Area 1: 3,007.9

Region table for sample 8

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]
200	1,000	431	3,007.9	13,303.8	3,366.5	93

Peak table for sample 8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	338	991.79	4,451.2		72.27
3	353	197.32	847.9		73.48
4	362	121.53	508.9		74.23
5	372	157.90	642.8		75.06
6	383	95.46	378.1		75.90
7	395	100.32	385.1		76.88
8	402	118.76	447.3		77.44
9	427	106.06	376.4		78.84
10	441	108.42	372.6		79.63
11	463	438.70	1,435.5		80.89
12	540	114.38	320.9		84.85
13	569	323.30	860.5		86.20
14	7,006	2.23	0.5		109.74
15	7,825	2.20	0.4		110.53
16	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 9

Number of peaks found: 11
 Noise: 0.2
 Corr. Area 1: 2,149.5

Region table for sample 9

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]
200	1,000	428	2,149.5	13,494.1	3,396.7	94

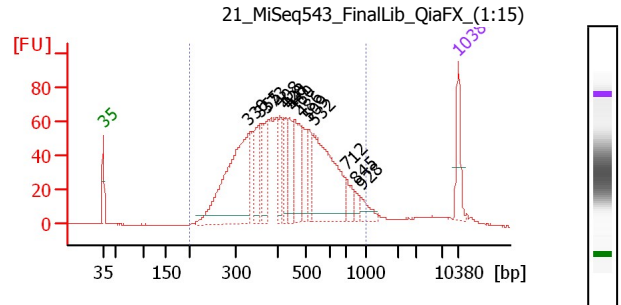
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Electropherogram Summary Continued ...

Peak table for sample 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	333	936.45	4,257.5		71.92
3	339	101.61	454.1		72.39
4	351	148.30	639.8		73.37
5	360	108.87	457.6		74.12
6	366	115.95	479.7		74.58
7	378	189.48	759.8		75.52
8	393	193.28	745.4		76.74
9	437	317.53	1,101.3		79.40
10	481	469.16	1,476.7		81.93
11	577	206.68	542.7		86.56
12	700	53.80	116.4		90.77
13	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 10

Number of peaks found: 13
 Noise: 0.2
 Corr. Area 1: 1,780.2

Region table for sample 10

From To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]
200 - 1,000	453	1,780.2	9,524.2	2,498.1	93
		2		1	32.2

Peak table for sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	330	577.49	2,653.0		71.64
3	355	125.09	534.2		73.66
4	373	104.76	425.1		75.16
5	408	92.17	342.0		77.79
6	428	75.27	266.3		78.92
7	441	87.74	301.7		79.62
8	460	154.40	508.9		80.70
9	486	112.97	352.1		82.20
10	509	77.57	230.7		83.42
11	532	404.64	1,153.3		84.46
12	712	51.57	109.7		90.93
13	845	23.49	42.1		92.72
14	928	36.02	58.8		93.85
15	10,380	75.00	10.9	Upper Marker	113.00

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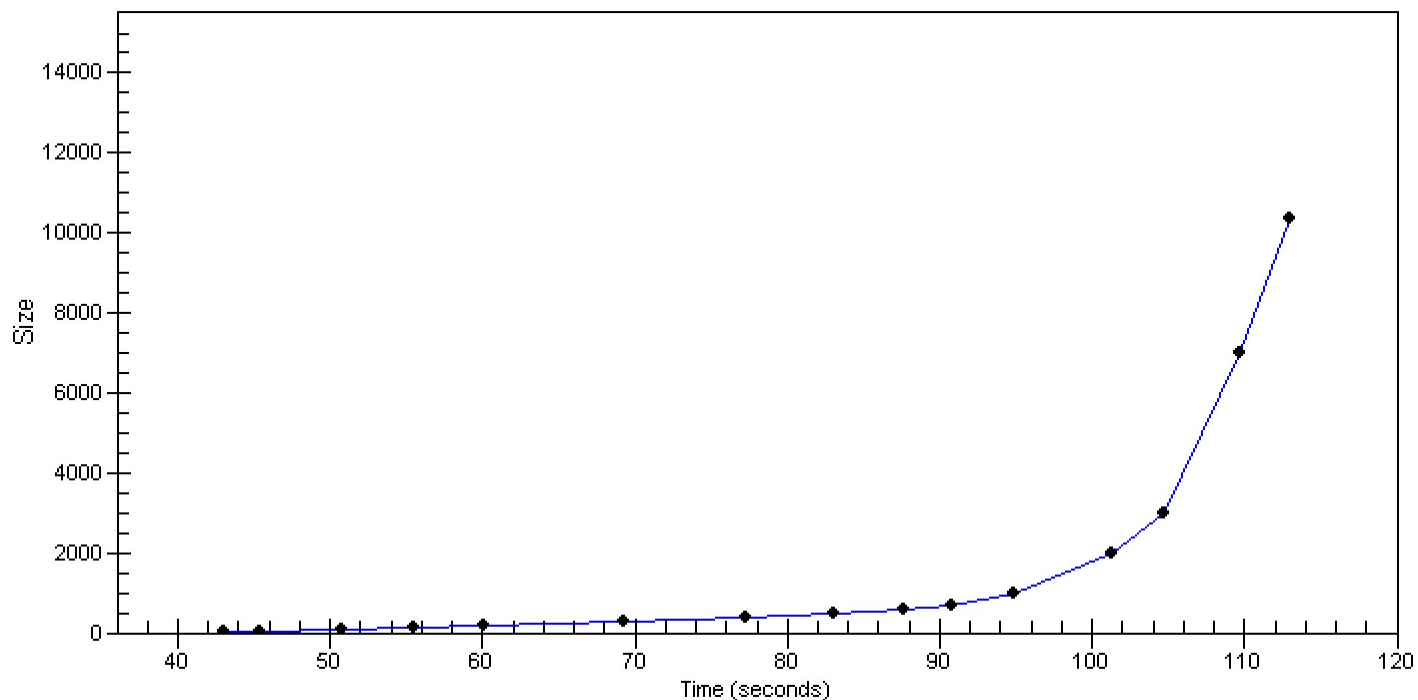
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-02\2017-08-02_002.xad

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Curves

Standard Curve



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Invalid Samples

Sample 11 has not been run, no results available.