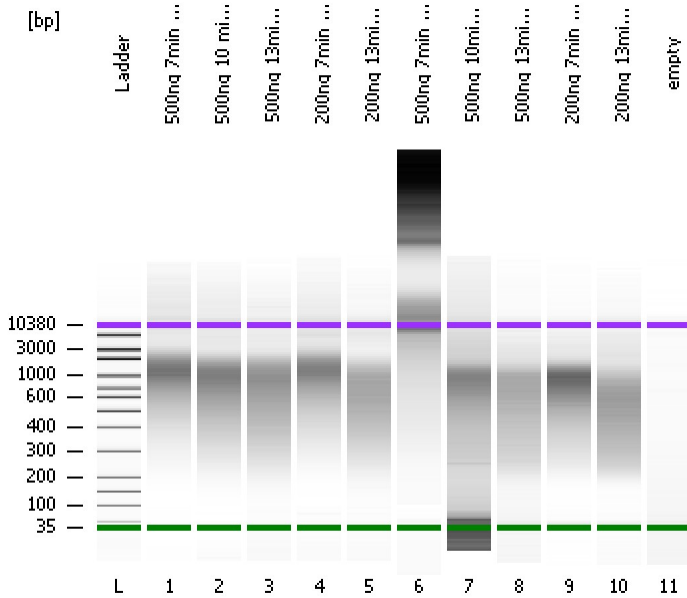


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
Modified: 1/17/2017 11:20:38 AM

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

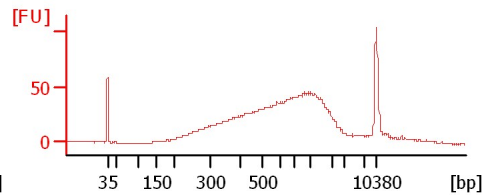
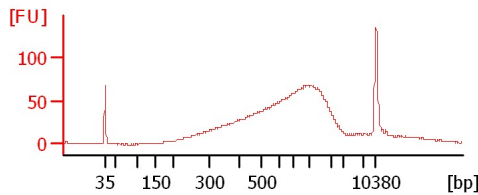
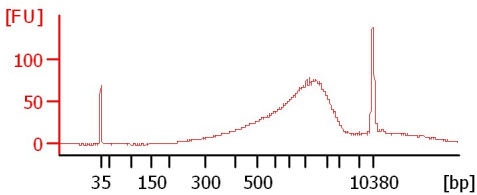
Chip Information:

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

500ng 7min LIG

500ng 10 min LIG

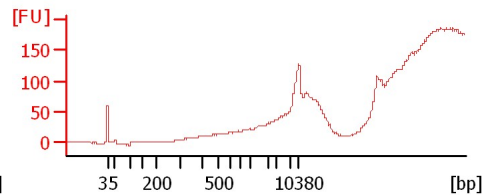
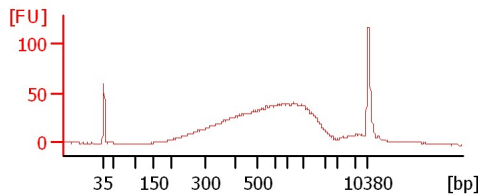
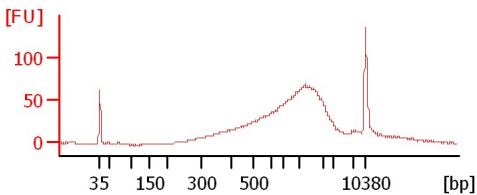
500ng 13min LIG



200ng 7min LIG

200ng 13min LIG

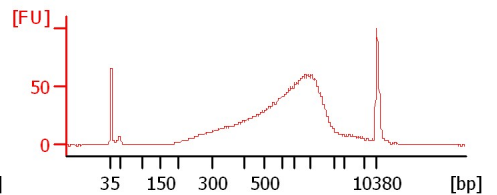
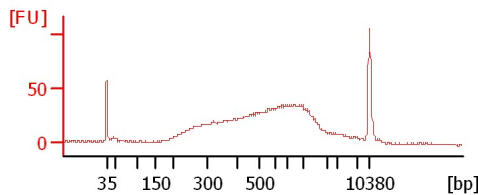
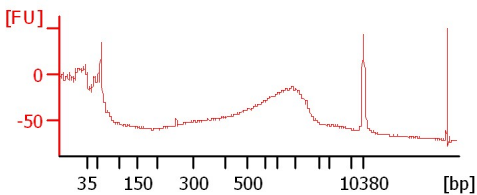
500ng 7min LIB



500ng 10min LIB

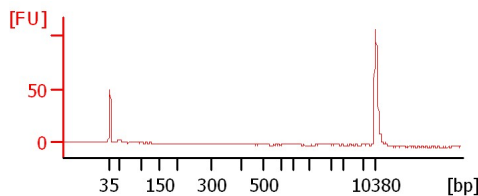
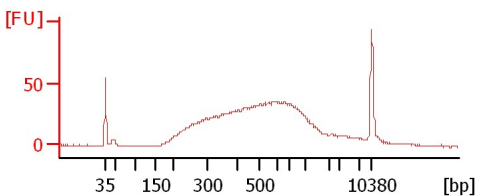
500ng 13min LIB

200ng 7min LIB



200ng 13min LIB

empty



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
 Modified: 1/17/2017 11:20:38 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
500ng 7min LIG		<input type="checkbox"/>	✓			
500ng 10 min LIG		<input type="checkbox"/>	✓			
500ng 13min LIG		<input type="checkbox"/>	✓			
200ng 7min LIG		<input type="checkbox"/>	✓			
200ng 13min LIG		<input type="checkbox"/>	✓			
500ng 7min LIB		<input type="checkbox"/>	✓			
500ng 10min LIB		<input type="checkbox"/>	✓			
500ng 13min LIB		<input type="checkbox"/>	✓			
200ng 7min LIB		<input type="checkbox"/>	✓			
200ng 13min LIB		<input type="checkbox"/>	✓			
empty		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
Modified: 1/17/2017 11:20:38 AM

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

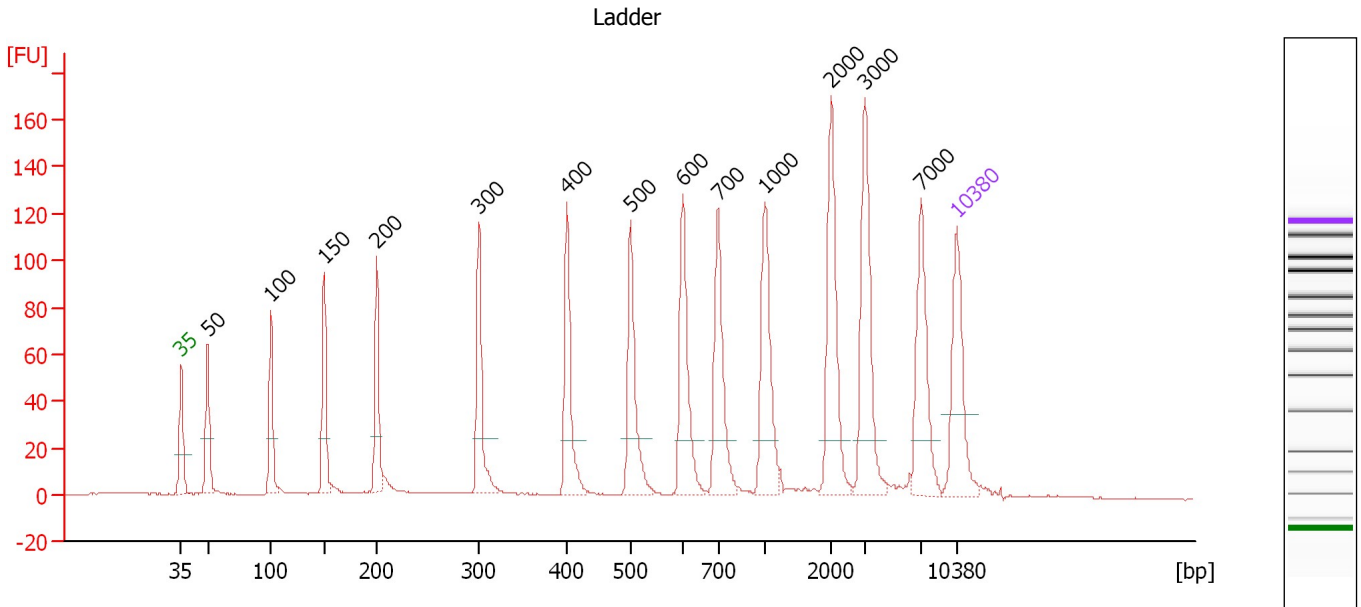
Ladder

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:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

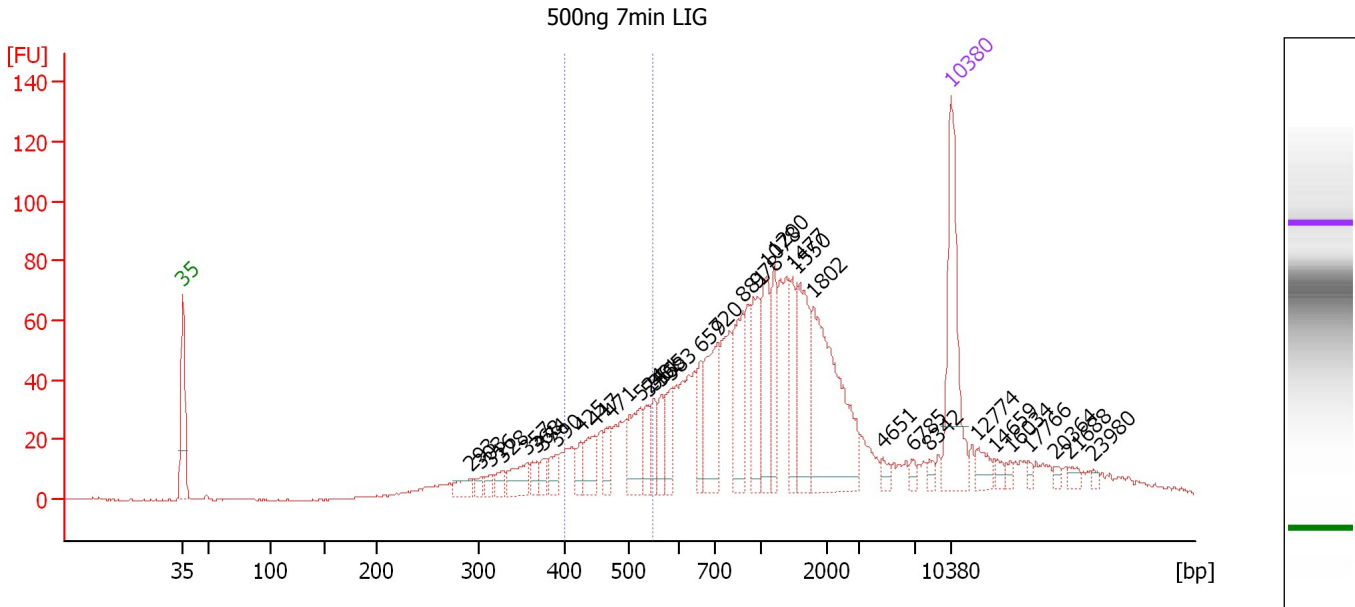
Peak table for Ladder

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	45.41
3	100	150.00	2,272.7	Ladder Peak	51.08
4	150	150.00	1,515.2	Ladder Peak	55.89
5	200	150.00	1,136.4	Ladder Peak	60.66
6	300	150.00	757.6	Ladder Peak	69.89
7	400	150.00	568.2	Ladder Peak	77.83
8	500	150.00	454.5	Ladder Peak	83.56
9	600	150.00	378.8	Ladder Peak	88.22
10	700	150.00	324.7	Ladder Peak	91.45
11	1,000	150.00	227.3	Ladder Peak	95.68
12	2,000	150.00	113.6	Ladder Peak	101.65
13	3,000	150.00	75.8	Ladder Peak	104.68
14	7,000	150.00	32.5	Ladder Peak	109.78
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
 Modified: 1/17/2017 11:20:38 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 500ng 7min LIG

Number of peaks found: 35 Corr. Area 1: 226.2
 Noise: 0.2

Peak table for sample 1 : 500ng 7min LIG

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	293	13.18	68.1		69.28
3	303	6.95	34.7		70.15
4	316	7.66	36.8		71.13
5	328	10.07	46.5		72.15
6	357	24.84	105.6		74.38
7	368	11.67	48.1		75.26
8	374	8.83	35.8		75.79
9	390	12.97	50.4		77.00
10	425	12.52	44.6		79.29
11	447	22.64	76.8		80.50
12	471	16.99	54.6		81.91
13	524	38.82	112.2		84.68
14	540	17.85	50.1		85.41
15	551	19.83	54.5		85.94
16	565	18.98	50.9		86.57
17	583	25.66	66.6		87.45
18	659	24.33	55.9		90.12
19	720	60.59	127.6		91.72
20	881	51.22	88.1		94.01
21	978	45.05	69.8		95.37
22	1,078	46.98	66.1		96.14
23	1,200	32.25	40.7		96.87
24	1,477	30.25	31.0		98.52
25	1,550	58.54	57.2		98.96

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
 Modified: 1/17/2017 11:20:38 AM

Electropherogram Summary Continued ...

... Peak table for sample 1 : 500ng 7min LIG

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,802	119.47	100.4		100.47
27	4,651	5.61	1.8		106.78
28	6,785	4.18	0.9		109.50
29	8,342	3.79	0.7		111.06
30	10,380	75.00	10.9	Upper Marker	113.00
31	12,774	0.00	0.0		115.28
32	14,659	0.00	0.0		117.08
33	16,034	0.00	0.0		118.39
34	17,766	0.00	0.0		120.04
35	20,364	0.00	0.0		122.52
36	21,688	0.00	0.0		123.78
37	23,980	0.00	0.0		125.97

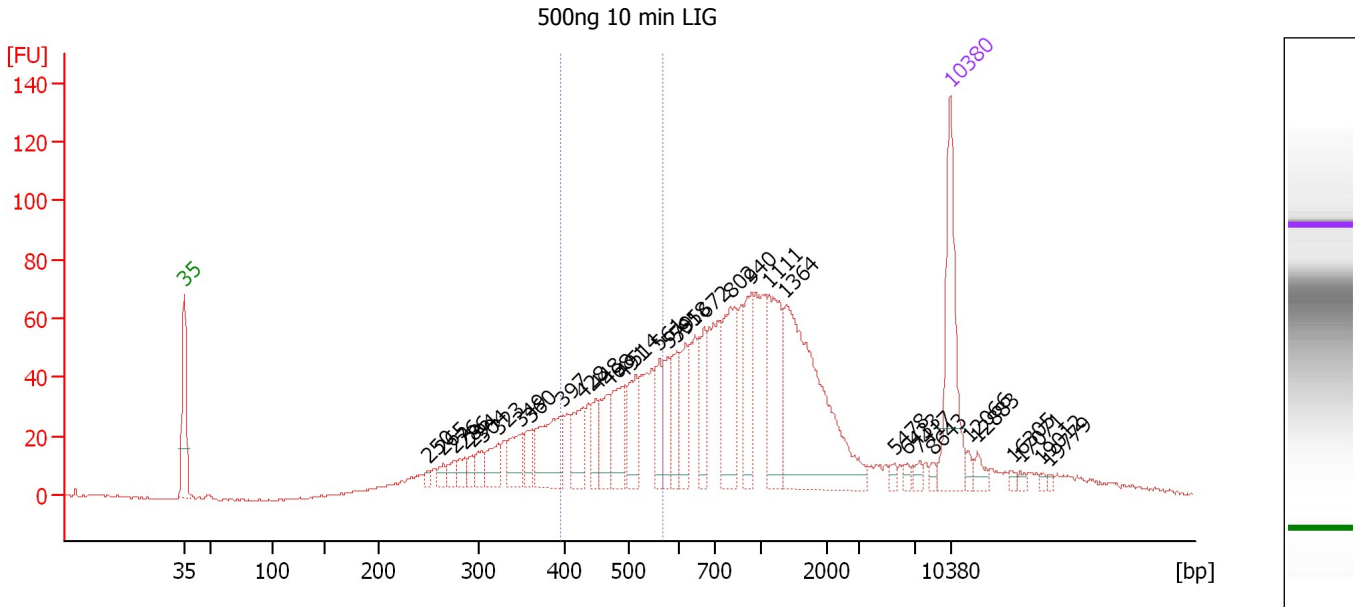
Region table for sample 1 : 500ng 7min LIG

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
399	549	478	226.2	603.2	189.01	14	8.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 500ng 10 min LIG

Number of peaks found: 34 Corr. Area 1: 396.0
 Noise: 0.4

Peak table for sample 2 : 500ng 10 min LIG

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	250	5.17	31.4		65.26
3	265	9.33	53.4		66.63
4	276	11.18	61.5		67.65
5	286	11.95	63.2		68.62
6	294	9.46	48.8		69.30
7	304	14.42	72.0		70.18
8	323	25.17	118.2		71.69
9	349	31.07	134.9		73.79
10	360	16.91	71.2		74.66
11	397	64.52	246.3		77.59
12	428	35.85	126.9		79.44
13	448	20.04	67.7		80.61
14	468	31.53	102.1		81.73
15	491	47.31	146.0		83.04
16	514	41.21	121.5		84.21
17	561	30.62	82.7		86.40
18	579	27.30	71.5		87.23
19	595	33.56	85.4		88.01
20	618	32.95	80.8		88.79
21	672	36.68	82.7		90.54
22	802	71.27	134.7		92.88
23	940	39.18	63.2		94.83
24	1,111	68.75	93.8		96.34
25	1,364	179.47	199.4		97.85

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
 Modified: 1/17/2017 11:20:38 AM

Electropherogram Summary Continued ...

... Peak table for sample 2 : 500ng 10 min LIG

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	5,478	3.97	1.1		107.84
27	6,433	3.81	0.9		109.05
28	7,417	4.71	1.0		110.17
29	8,643	3.71	0.7		111.34
30	10,380	75.00	10.9	Upper Marker	113.00
31	12,066	0.00	0.0		114.61
32	12,883	0.00	0.0		115.39
33	16,305	0.00	0.0		118.65
34	17,071	0.00	0.0		119.38
35	19,012	0.00	0.0		121.23
36	19,779	0.00	0.0		121.96

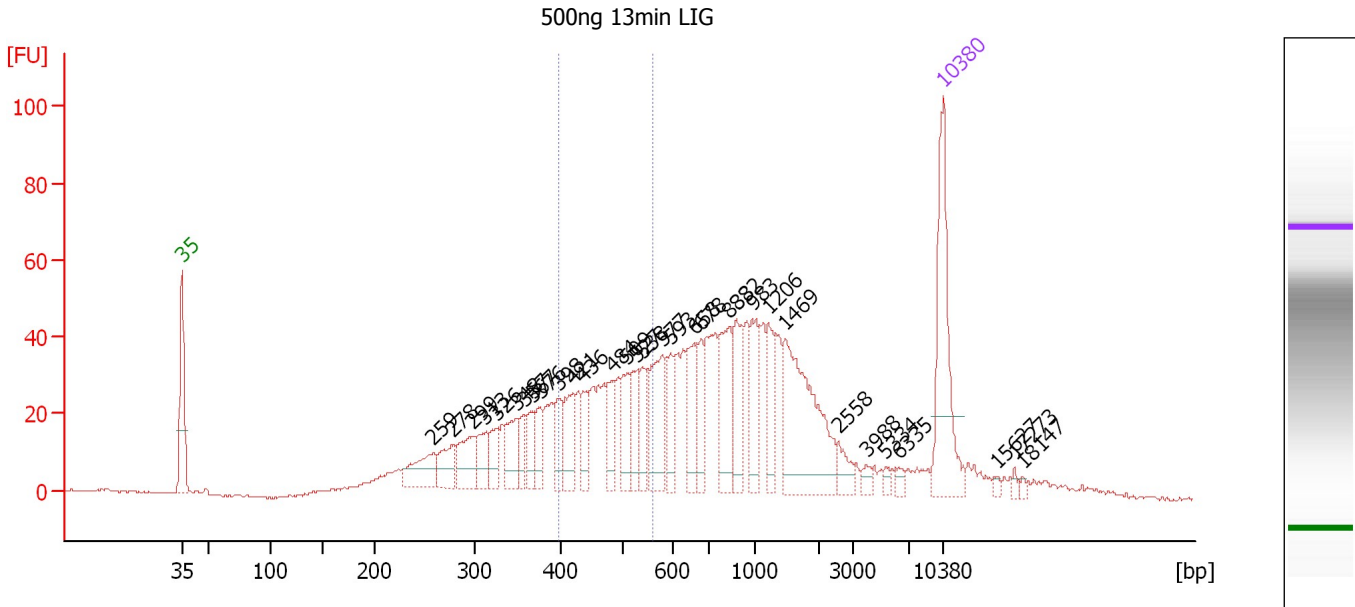
Region table for sample 2 : 500ng 10 min LIG

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Color [pg/μl]	% of Total	Size distribution in CV [%]
395	569	484	396.0	1,051.2	331.94	22	10.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
 Modified: 1/17/2017 11:20:38 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 500ng 13min LIG

Number of peaks found: 32 Corr. Area 1: 308.6
 Noise: 0.3

Peak table for sample 3 : 500ng 13min LIG

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	259	38.14	223.1		66.10
3	278	28.15	153.6		67.82
4	299	36.25	183.8		69.78
5	313	23.55	114.1		70.91
6	326	19.04	88.4		71.99
7	348	29.45	128.2		73.71
8	357	16.77	71.1		74.44
9	367	17.29	71.3		75.23
10	376	17.83	71.9		75.92
11	398	20.30	77.3		77.68
12	421	33.98	122.4		79.01
13	436	23.04	80.1		79.89
14	484	24.80	77.6		82.64
15	509	29.17	86.9		83.96
16	527	25.86	74.4		84.79
17	538	26.02	73.3		85.33
18	577	51.74	135.9		87.15
19	593	23.07	59.0		87.88
20	658	39.70	91.4		90.09
21	678	25.41	56.8		90.73
22	833	50.42	91.7		93.33
23	882	37.41	64.3		94.02
24	983	33.78	52.1		95.44
25	1,206	29.22	36.7		96.91

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 3 : 500ng 13min LIG

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,469	105.53	108.8		98.48
27	2,558	11.52	6.8		103.34
28	3,988	5.35	2.0		105.94
29	5,334	3.56	1.0		107.65
30	6,335	3.95	0.9		108.93
31	10,380	75.00	10.9	Upper Marker	113.00
32	15,627	0.00	0.0		118.00
33	17,273	0.00	0.0		119.57
34	18,147	0.00	0.0		120.41

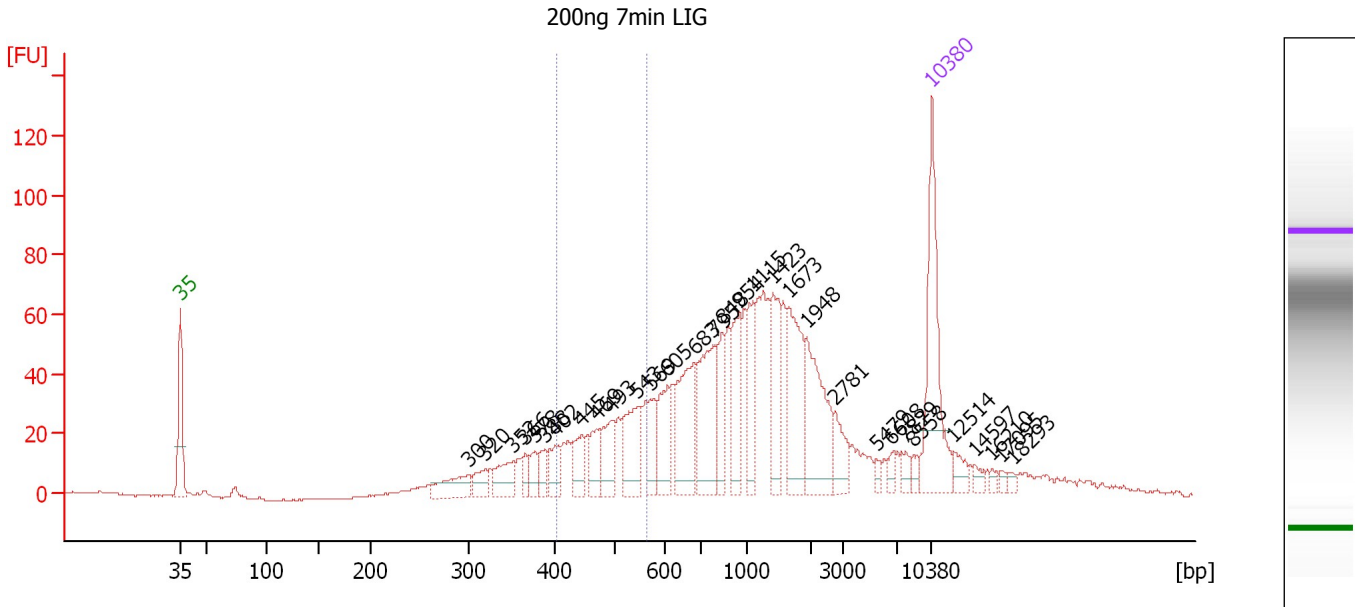
Region table for sample 3 : 500ng 13min LIG

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
398	559	478	308.6	949.8	296.62	21	9.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : 200ng 7min LIG

Number of peaks found: 31 Corr. Area 1: 235.9
 Noise: 0.3

Peak table for sample 4 : 200ng 7min LIG

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	300	29.81	150.7		69.86
3	320	16.21	76.8		71.45
4	352	26.63	114.6		74.03
5	366	10.34	42.8		75.12
6	378	13.67	54.8		76.06
7	388	13.30	52.0		76.86
8	402	19.13	72.1		77.95
9	445	23.79	81.1		80.38
10	469	22.86	73.9		81.77
11	493	33.02	101.5		83.16
12	543	45.39	126.7		85.55
13	569	22.59	60.1		86.79
14	605	36.56	91.6		88.38
15	683	69.82	154.8		90.91
16	795	76.56	145.8		92.79
17	848	28.78	51.4		93.54
18	954	38.70	61.5		95.03
19	1,115	35.62	48.4		96.37
20	1,423	43.23	46.0		98.21
21	1,673	59.69	54.1		99.70
22	1,948	62.17	48.4		101.33
23	2,781	19.62	10.7		104.01
24	5,479	4.39	1.2		107.84
25	6,608	4.82	1.1		109.28

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
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Electropherogram Summary Continued ...

... Peak table for sample 4 : 200ng 7min LIG

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	7,829	6.10	1.2		110.57
27	8,558	4.69	0.8		111.26
28	10,380	75.00	10.9	Upper Marker	113.00
29	12,514	0.00	0.0		115.04
30	14,597	0.00	0.0		117.02
31	16,210	0.00	0.0		118.56
32	17,095	0.00	0.0		119.40
33	18,293	0.00	0.0		120.55

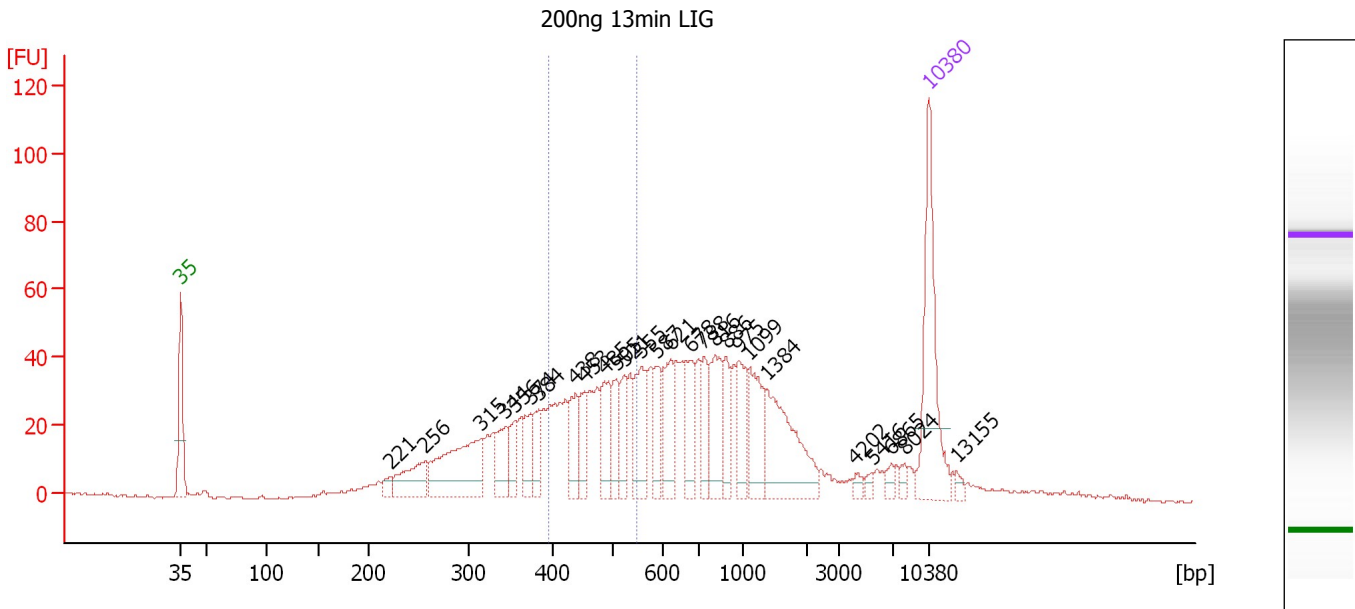
Region table for sample 4 : 200ng 7min LIG

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
403	564	488	235.9	597.3	190.48	16	9.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 200ng 13min LIG

Number of peaks found: 27 Corr. Area 1: 322.3
 Noise: 0.4

Peak table for sample 5 : 200ng 13min LIG

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	221	8.52	58.5		62.57
3	256	41.68	246.3		65.87
4	315	97.37	467.9		71.11
5	344	31.50	138.6		73.41
6	356	20.36	86.8		74.31
7	374	24.28	98.2		75.80
8	384	23.46	92.6		76.55
9	438	30.57	105.8		80.00
10	453	26.42	88.4		80.85
11	485	35.06	109.5		82.69
12	505	26.38	79.1		83.79
13	521	24.76	72.0		84.54
14	555	42.49	115.9		86.14
15	587	26.29	67.8		87.64
16	621	38.96	95.1		88.88
17	678	30.92	69.1		90.73
18	738	23.42	48.1		91.98
19	816	43.17	80.2		93.08
20	886	24.44	41.8		94.08
21	975	31.73	49.3		95.33
22	1,099	40.68	56.1		96.27
23	1,384	73.50	80.5		97.97
24	4,202	3.81	1.4		106.21
25	5,416	3.81	1.1		107.76

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

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 Modified: 1/17/2017 11:20:38 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : 200ng 13min LIG

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	6,865	4.63	1.0		109.60
27	8,024	4.68	0.9		110.75
28	10,380	75.00	10.9	Upper Marker	113.00
29	13,155	0.00	0.0		115.65

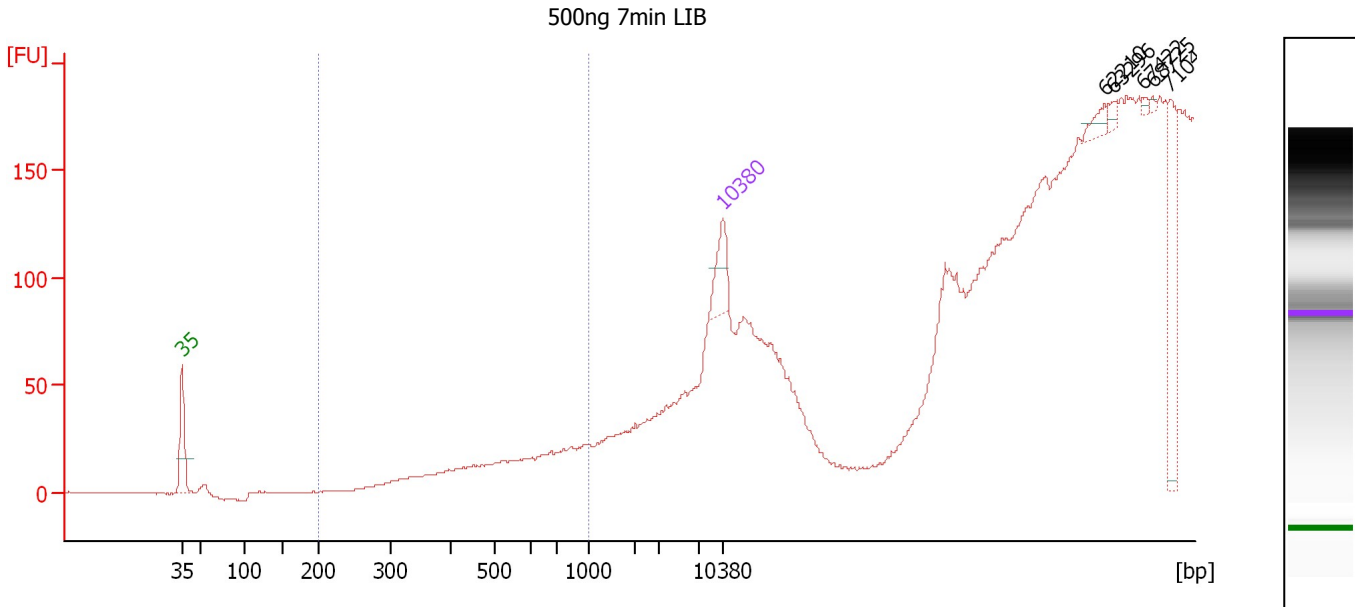
Region table for sample 5 : 200ng 13min LIG

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
395	546	470	322.3	905.7	278.38	23	9.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : 500ng 7min LIB

Number of peaks found: 5 Corr. Area 1: 0.0
 Noise: 0.2

Peak table for sample 6 : 500ng 7min LIB

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	10,380	75.00	10.9	Upper Marker	113.00
3	62,210	0.00	0.0		162.43
4	63,296	0.00	0.0		163.46
5	67,422	0.00	0.0		167.40
6	68,725	0.00	0.0		168.64
7	71,041	0.00	0.0		170.85

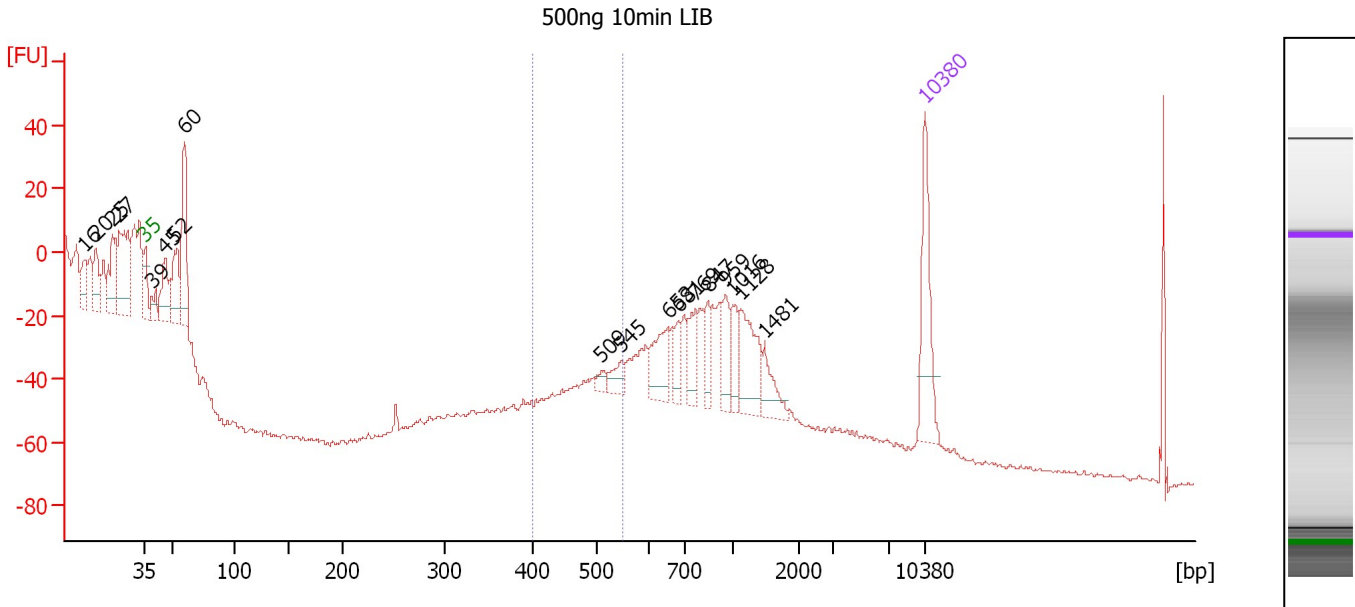
Region table for sample 6 : 500ng 7min LIB

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	0	0.0	0.0	0.00	0	0.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
 Modified: 1/17/2017 11:20:38 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 500ng 10min LIB

Number of peaks found: 18 Corr. Area 1: 0.7
 Noise: 0.7

Peak table for sample 7 : 500ng 10min LIB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	16	0.00	0.0		37.59
2	20	0.00	0.0		38.60
3	25	0.00	0.0		40.08
4	27	0.00	0.0		40.70
5	35	125.00	5,411.3	Lower Marker	43.00
6	39	26.51	1,033.1		43.62
7	45	70.54	2,352.0		44.67
8	52	76.84	2,239.3		45.63
9	60	128.64	3,248.5		46.54
10	509	10.08	30.0		83.96
11	545	20.00	55.5		85.68
12	653	52.73	122.3		89.94
13	681	27.65	61.5		90.85
14	769	36.55	72.0		92.43
15	847	28.78	51.5		93.53
16	959	33.17	52.4		95.11
17	1,016	29.04	43.3		95.78
18	1,128	66.60	89.4		96.44
19	1,481	29.92	30.6		98.55
20	10,380	75.00	10.9	Upper Marker	113.00

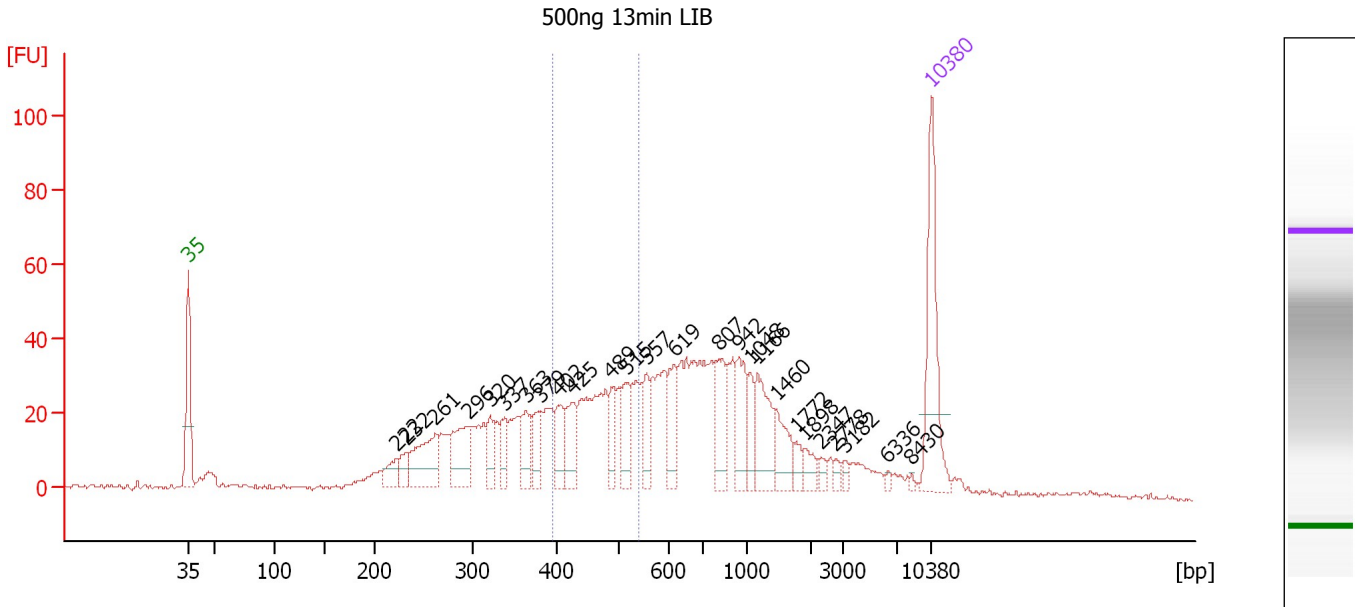
Region table for sample 7 : 500ng 10min LIB

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
399	551	546	0.7	2.5	0.89	0	0.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
 Modified: 1/17/2017 11:20:38 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 500ng 13min LIB

Number of peaks found: 26 Corr. Area 1: 256.1
 Noise: 0.6

Peak table for sample 8 : 500ng 13min LIB

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	222	19.83	135.3		62.70
3	232	15.74	102.9		63.60
4	261	64.33	373.1		66.32
5	296	56.15	287.9		69.48
6	320	22.31	105.6		71.49
7	337	21.42	96.4		72.80
8	363	28.21	117.9		74.86
9	379	24.85	99.3		76.17
10	402	30.16	113.8		77.92
11	425	35.31	125.8		79.28
12	489	23.65	73.3		82.90
13	515	29.61	87.1		84.26
14	557	29.69	80.8		86.22
15	619	34.13	83.6		88.83
16	807	40.08	75.3		92.95
17	942	37.92	61.0		94.86
18	1,048	19.63	28.4		95.96
19	1,166	45.72	59.4		96.67
20	1,460	29.24	30.3		98.43
21	1,772	8.90	7.6		100.29
22	1,898	11.50	9.2		101.04
23	2,347	4.52	2.9		102.70
24	2,778	4.32	2.4		104.01
25	3,182	4.06	1.9		104.91

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : 500ng 13min LIB

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	6,336	2.78	0.7		108.93
27	8,430	1.97	0.4		111.14
28	10,380	75.00	10.9	Upper Marker	113.00

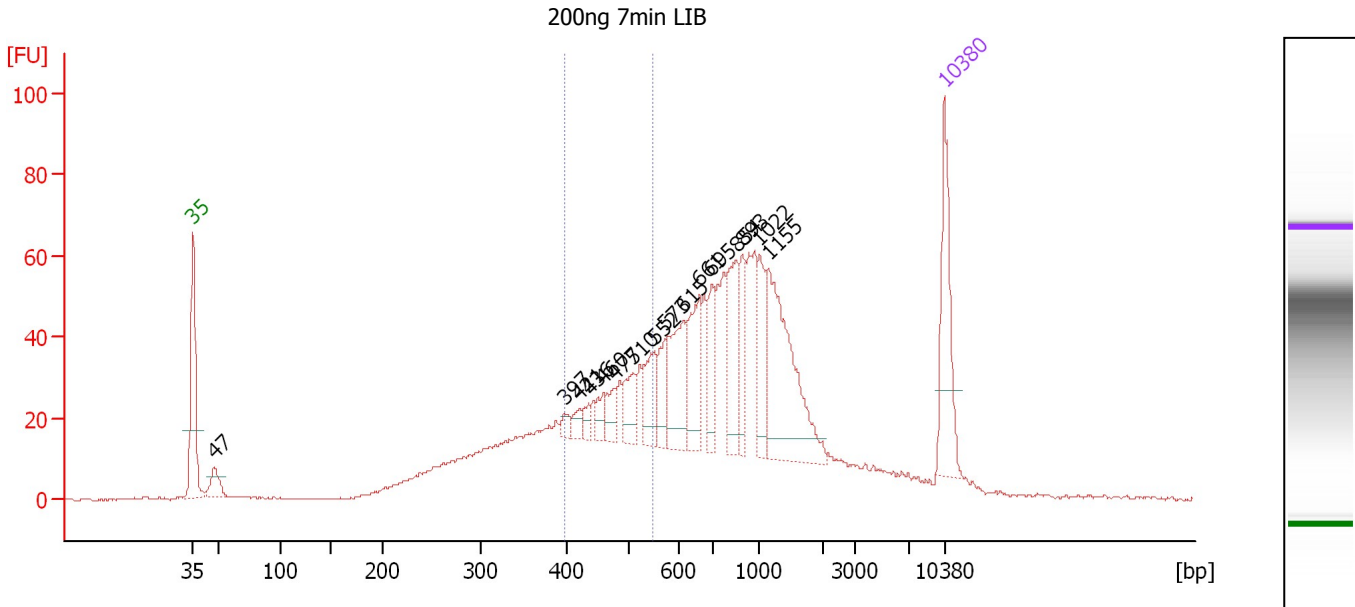
Region table for sample 8 : 500ng 13min LIB

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
395	543	468	256.1	942.1	288.82	20	9.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
 Modified: 1/17/2017 11:20:38 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 200ng 7min LIB

Number of peaks found: 16 Corr. Area 1: 269.0
 Noise: 0.2

Peak table for sample 9 : 200ng 7min LIB

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	47	31.57	1,009.4		44.99
3	397	9.05	34.5		77.63
4	421	11.19	40.3		79.02
5	436	11.62	40.3		79.91
6	460	16.67	54.9		81.25
7	477	21.21	67.3		82.25
8	510	33.82	100.4		84.04
9	552	41.98	115.3		85.97
10	573	34.26	90.6		86.97
11	615	73.40	180.8		88.71
12	661	65.52	150.1		90.20
13	695	39.12	85.3		91.29
14	854	68.20	121.0		93.62
15	893	39.26	66.6		94.17
16	1,022	44.68	66.3		95.81
17	1,155	151.65	198.9		96.61
18	10,380	75.00	10.9	Upper Marker	113.00

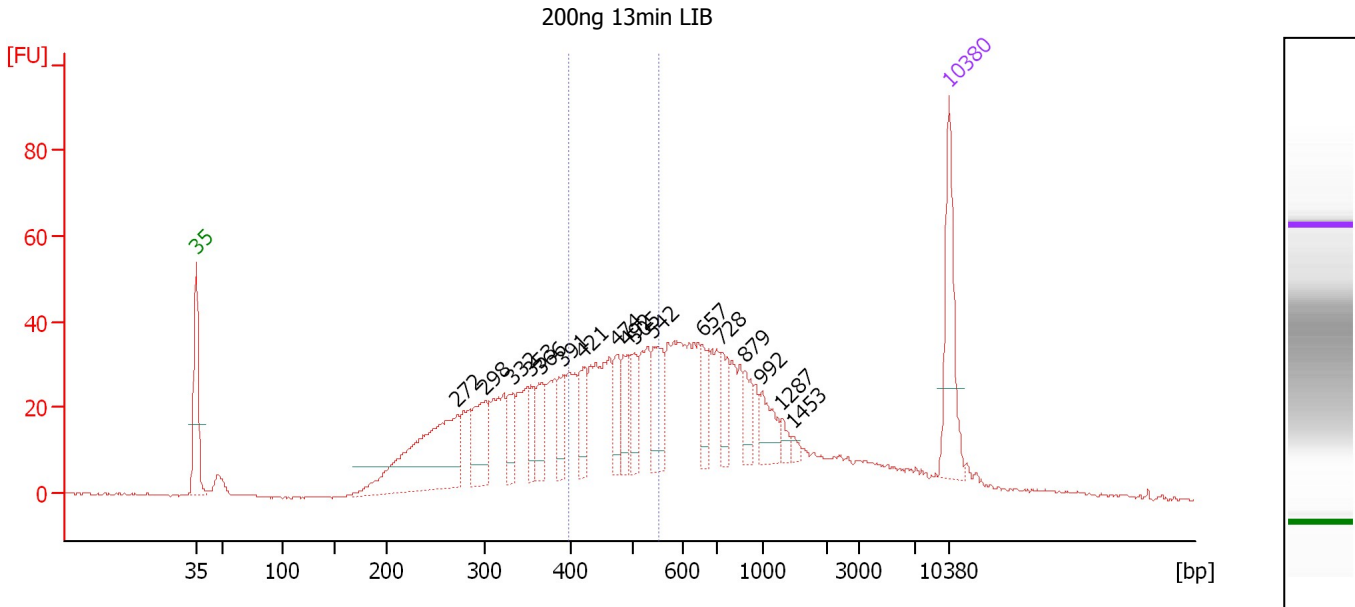
Region table for sample 9 : 200ng 7min LIB

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
397	550	476	269.0	1,170.8	364.44	19	9.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
 Modified: 1/17/2017 11:20:38 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 200ng 13min LIB

Number of peaks found: 17 Corr. Area 1: 315.7
 Noise: 0.2

Peak table for sample 10 : 200ng 13min LIB

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	272	223.80	1,248.3		67.27
3	298	70.08	355.8		69.75
4	332	35.50	162.0		72.43
5	353	29.25	125.5		74.11
6	366	42.41	175.8		75.10
7	391	33.76	131.0		77.08
8	421	40.79	146.9		79.02
9	474	35.65	113.9		82.09
10	492	40.19	123.9		83.08
11	505	37.76	113.4		83.77
12	542	57.59	161.1		85.51
13	657	31.03	71.5		90.06
14	728	33.62	69.9		91.85
15	879	25.89	44.6		93.98
16	992	31.81	48.6		95.56
17	1,287	9.14	10.8		97.39
18	1,453	5.04	5.3		98.39
19	10,380	75.00	10.9	Upper Marker	113.00

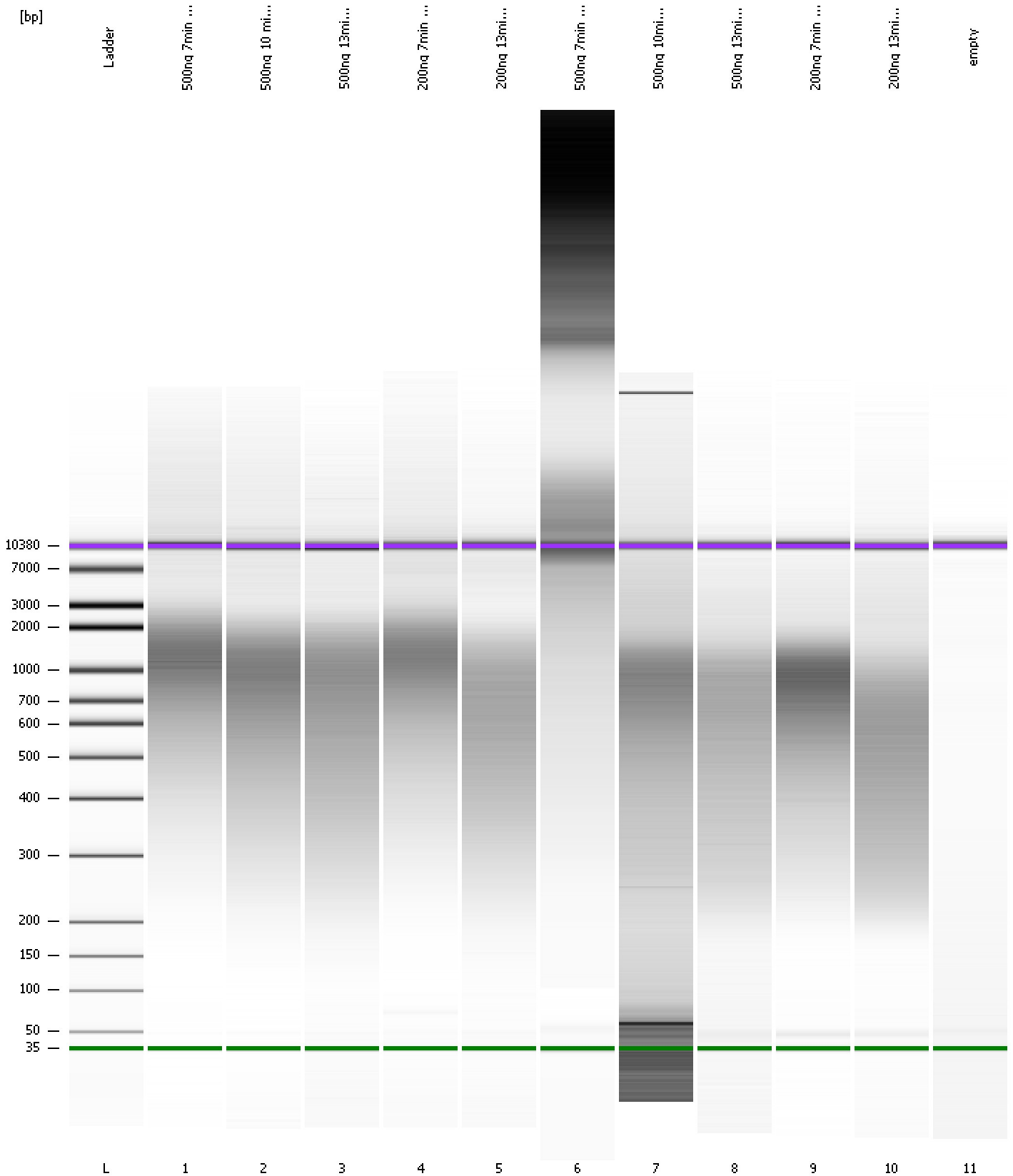
Region table for sample 10 : 200ng 13min LIB

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
398	551	473	315.7	1,473.6	456.08	24	9.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
Modified: 1/17/2017 11:20:38 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad

Created: 1/17/2017 10:30:03 AM
 Modified: 1/17/2017 11:20:38 AM

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		1/17/2017 11:11:20 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-01-17\2017-01-17_001.xad)		Instrument	Run		1/17/2017 10:30:08 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		1/17/2017 10:30:08 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		1/17/2017 10:30:08 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		1/17/2017 10:30:08 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		1/17/2017 10:30:08 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		1/17/2017 10:30:08 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		1/17/2017 10:30:08 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1