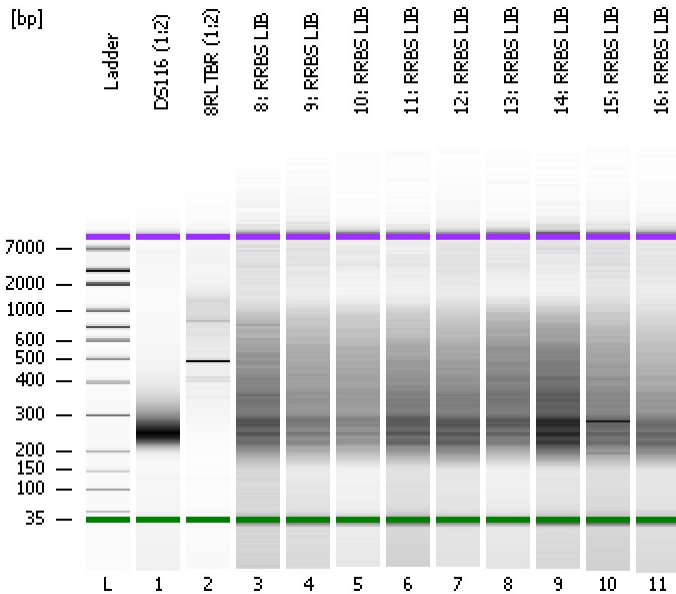


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
Modified: 2/17/2017 5:32:22 PM

Electrophoresis File Run Summary



Instrument Information:

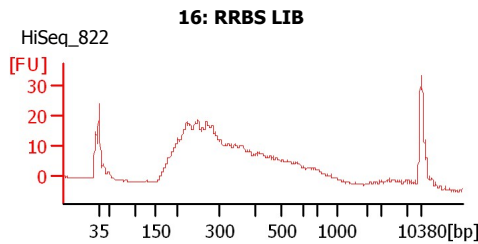
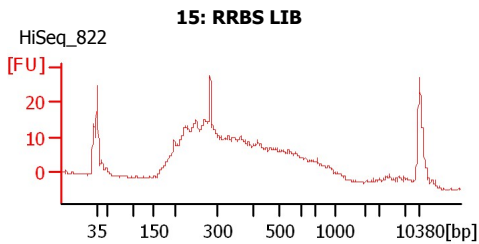
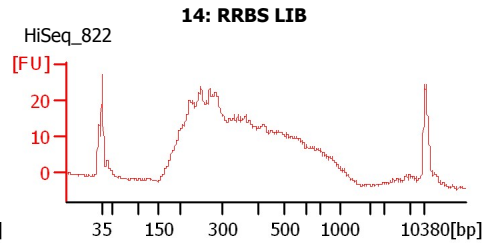
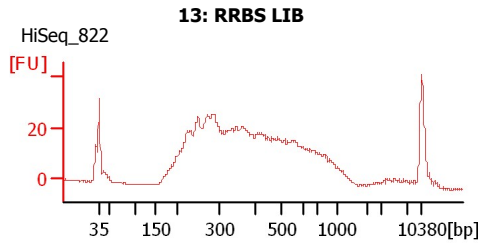
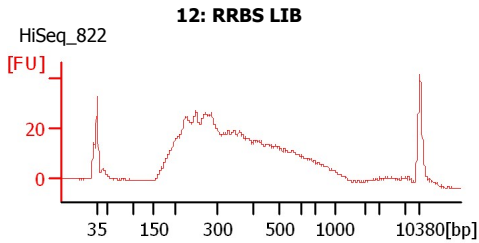
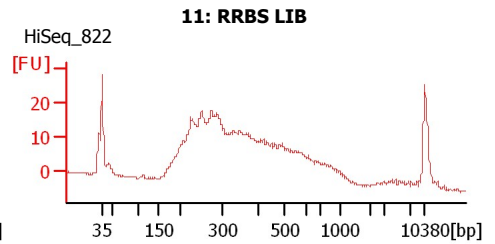
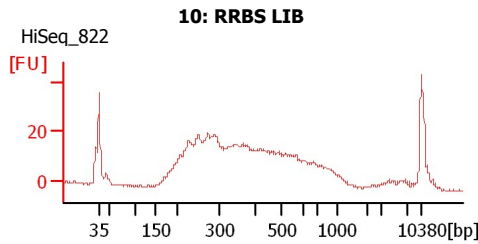
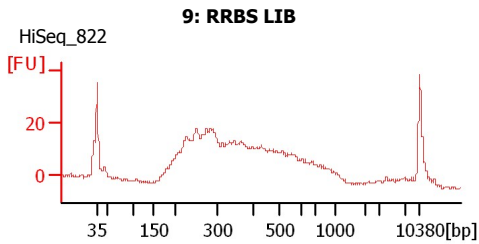
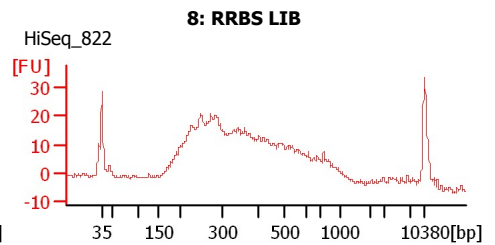
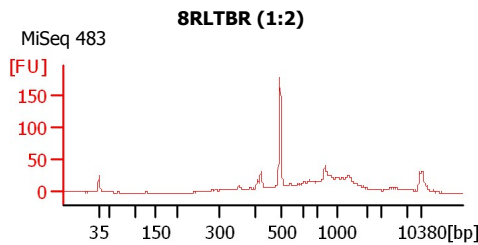
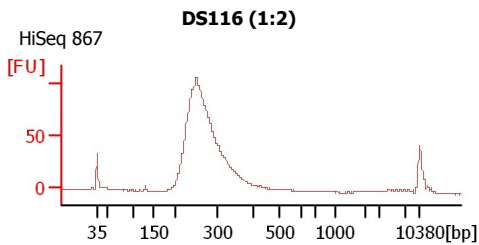
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
DS116 (1:2)	HiSeq 867	<input type="checkbox"/>	✓			
8RLTBR (1:2)	MiSeq 483	<input type="checkbox"/>	✓			
8: RRBS LIB	HiSeq_822	<input type="checkbox"/>	✓			
9: RRBS LIB	HiSeq_822	<input type="checkbox"/>	✓			
10: RRBS LIB	HiSeq_822	<input type="checkbox"/>	✓			
11: RRBS LIB	HiSeq_822	<input type="checkbox"/>	✓			
12: RRBS LIB	HiSeq_822	<input type="checkbox"/>	✓			
13: RRBS LIB	HiSeq_822	<input type="checkbox"/>	✓			
14: RRBS LIB	HiSeq_822	<input type="checkbox"/>	✓			
15: RRBS LIB	HiSeq_822	<input type="checkbox"/>	✓			
16: RRBS LIB	HiSeq_822	<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\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
Modified: 2/17/2017 5:32:22 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

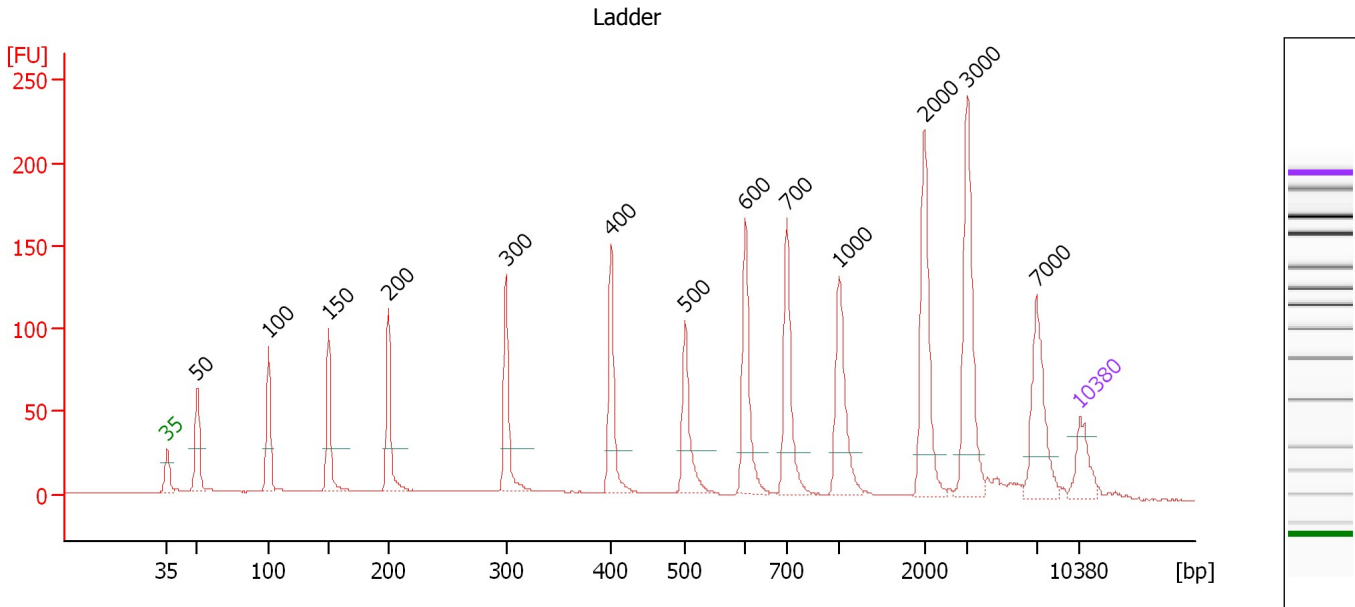
Ladder

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:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

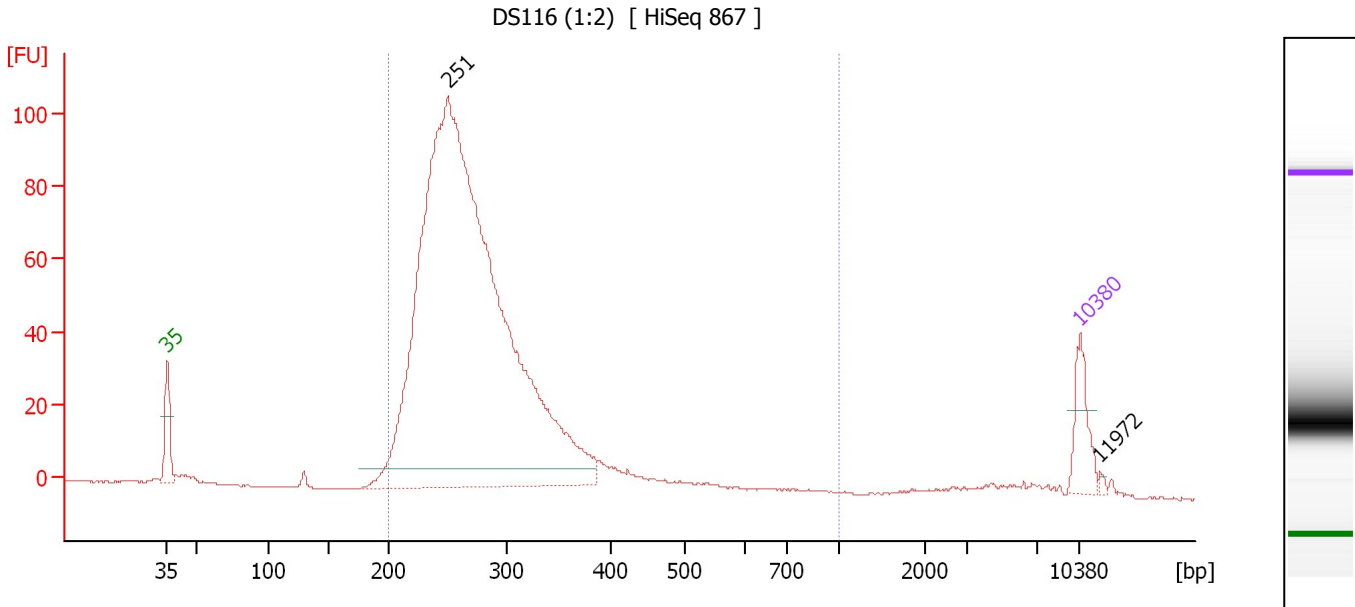
Peak table for Ladder

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	45.30
3	100	150.00	2,272.7	Ladder Peak	50.79
4	150	150.00	1,515.2	Ladder Peak	55.39
5	200	150.00	1,136.4	Ladder Peak	59.99
6	300	150.00	757.6	Ladder Peak	68.97
7	400	150.00	568.2	Ladder Peak	77.07
8	500	150.00	454.5	Ladder Peak	82.73
9	600	150.00	378.8	Ladder Peak	87.34
10	700	150.00	324.7	Ladder Peak	90.52
11	1,000	150.00	227.3	Ladder Peak	94.55
12	2,000	150.00	113.6	Ladder Peak	101.10
13	3,000	150.00	75.8	Ladder Peak	104.37
14	7,000	150.00	32.5	Ladder Peak	109.68
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : DS116 (1:2)

Number of peaks found: 2 Corr. Area 1: 1,217.4
 Noise: 0.2

Peak table for sample 1 : DS116 (1:2)

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	251	3,429.00	20,695.2		64.58
3	10,380	75.00	10.9	Upper Marker	113.00
4	11,972	0.00	0.0		114.56

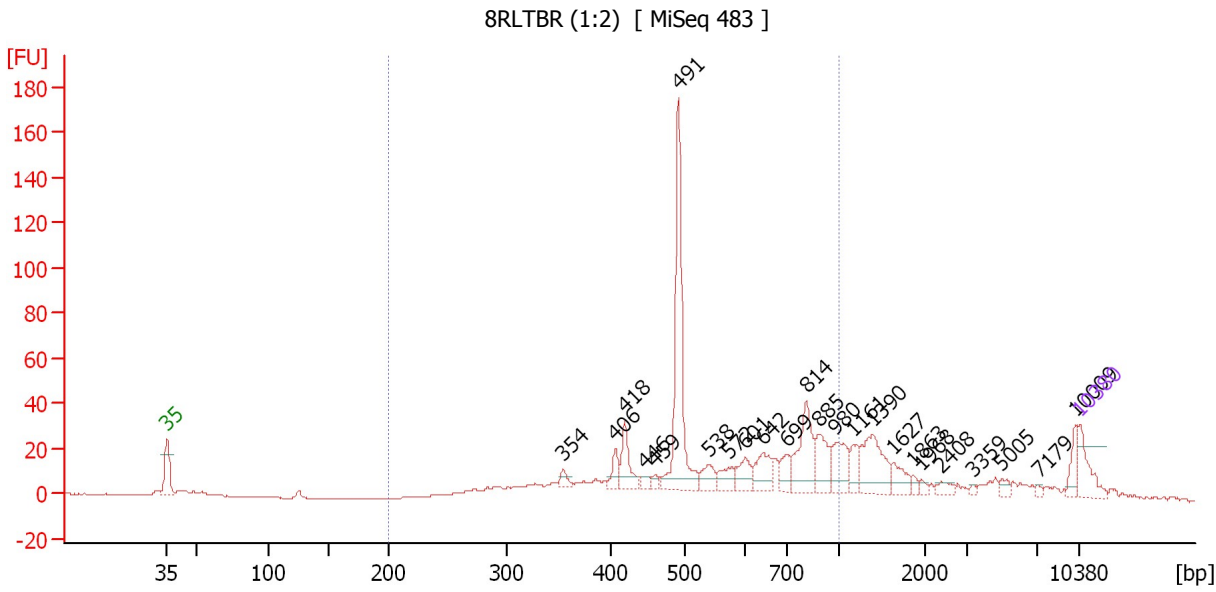
Region table for sample 1 : DS116 (1:2)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	279	1,217.4	18,907.4	3,357.18	97	20.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 8RLTBR (1:2)

Number of peaks found: 24 Corr. Area 1: 545.1
 Noise: 0.2

Peak table for sample 2 : 8RLTBR (1:2)

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	354	29.29	125.2		73.38
3	406	48.96	182.9		77.39
4	418	95.76	346.8		78.11
5	446	17.30	58.8		79.66
6	459	17.09	56.4		80.44
7	491	486.72	1,502.6		82.21
8	538	52.88	148.9		84.49
9	572	55.66	147.5		86.04
10	601	61.33	154.7		87.36
11	642	91.84	216.7		88.68
12	699	50.71	109.9		90.50
13	814	174.43	324.7		92.05
14	885	101.34	173.5		93.01
15	980	97.61	150.9		94.28
16	1,161	51.52	67.2		95.60
17	1,390	150.27	163.8		97.11
18	1,627	47.81	44.5		98.65
19	1,863	12.77	10.4		100.20
20	1,968	10.58	8.1		100.89
21	2,408	20.80	13.1		102.43
22	3,359	6.78	3.1		104.85
23	5,005	16.08	4.9		107.03
24	7,179	7.48	1.6		109.86
25	10,009	44.98	6.8		112.64

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : 8RLTBR (1:2)

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

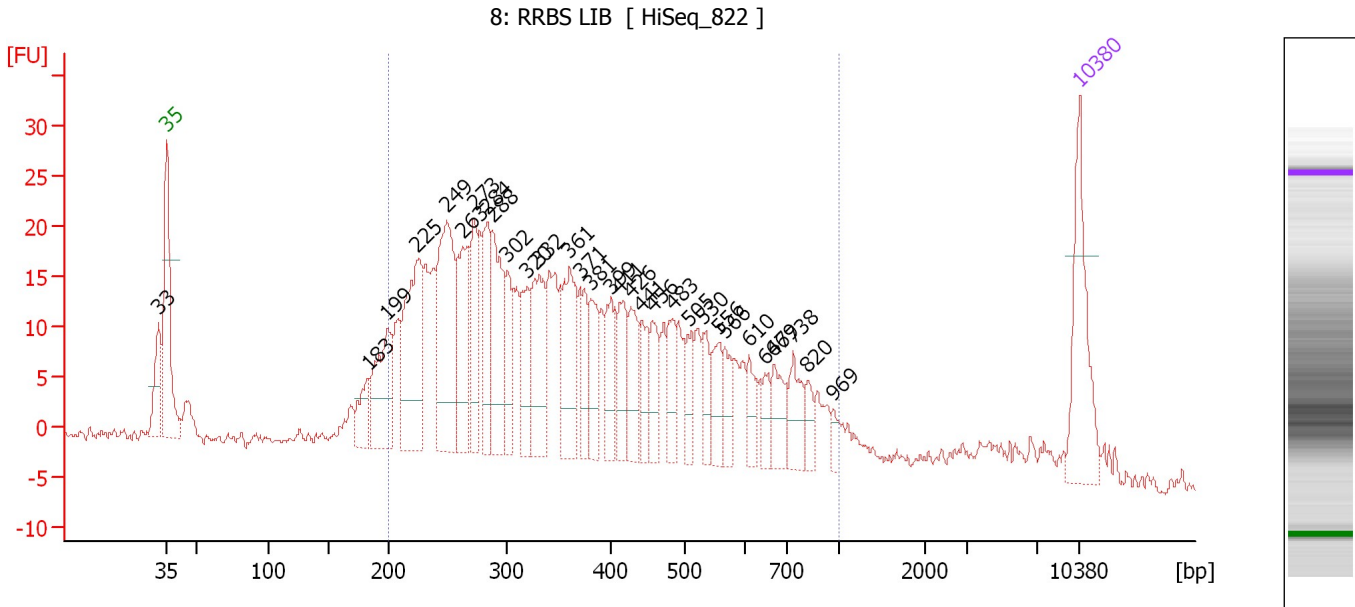
Region table for sample 2 : 8RLTBR (1:2)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	576	545.1	5,939.7	1,964.11	69	31.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 8: RRBS LIB

Number of peaks found: 31 Corr. Area 1: 685.9
 Noise: 0.4

Peak table for sample 3 : 8: RRBS LIB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.35
2	35	125.00	5,411.3	Lower Marker	43.00
3	183	37.20	308.7		58.39
4	199	96.98	739.4		59.87
5	225	151.22	1,020.6		62.19
6	249	164.88	1,002.2		64.42
7	263	96.26	554.1		65.67
8	273	64.65	358.8		66.55
9	284	63.60	338.9		67.57
10	288	90.34	474.4		67.94
11	302	47.26	237.4		69.10
12	320	46.03	217.6		70.63
13	332	84.37	385.2		71.56
14	361	89.03	374.2		73.87
15	371	40.79	166.7		74.71
16	381	42.77	170.3		75.50
17	399	45.78	173.9		76.98
18	411	42.80	157.6		77.72
19	426	42.97	152.7		78.56
20	441	32.50	111.7		79.39
21	456	35.99	119.7		80.23
22	483	30.67	96.3		81.75
23	505	25.07	75.2		82.96
24	530	25.37	72.5		84.12
25	556	31.48	85.7		85.32

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : 8: RRBS LIB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	566	21.60	57.8		85.79
27	610	21.70	53.9		87.64
28	647	17.94	42.0		88.85
29	669	33.17	75.1		89.54
30	738	32.99	67.8		91.03
31	820	15.36	28.4		92.14
32	969	8.88	13.9		94.13
33	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 3 : 8: RRBS LIB

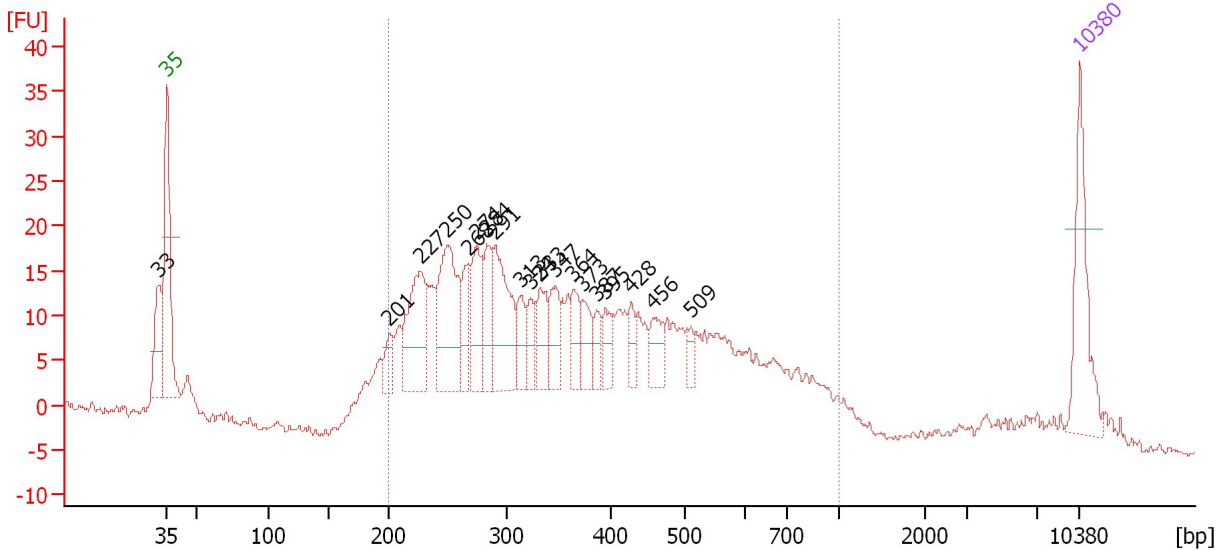
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	401	685.9	9,070.7	1,975.94	86	41.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...

9: RRBS LIB [HiSeq_822]



Overall Results for sample 4 : 9: RRBS LIB

Number of peaks found: 19 Corr. Area 1: 585.6
 Noise: 0.4

Peak table for sample 4 : 9: RRBS LIB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.38
2	35	125.00	5,411.3	Lower Marker	43.00
3	201	26.02	196.6		60.04
4	227	126.82	846.7		62.41
5	250	144.54	875.4		64.50
6	268	43.01	243.0		66.11
7	274	65.95	364.0		66.68
8	284	59.37	316.8		67.54
9	291	108.87	567.1		68.15
10	313	35.17	170.1		70.05
11	324	27.34	127.9		70.91
12	333	42.29	192.6		71.62
13	347	45.77	199.7		72.80
14	364	32.62	135.9		74.13
15	373	31.39	127.7		74.84
16	387	20.23	79.3		75.98
17	395	25.94	99.6		76.65
18	428	20.16	71.4		78.64
19	456	30.33	100.7		80.25
20	509	13.59	40.4		83.15
21	10,380	75.00	10.9	Upper Marker	113.00

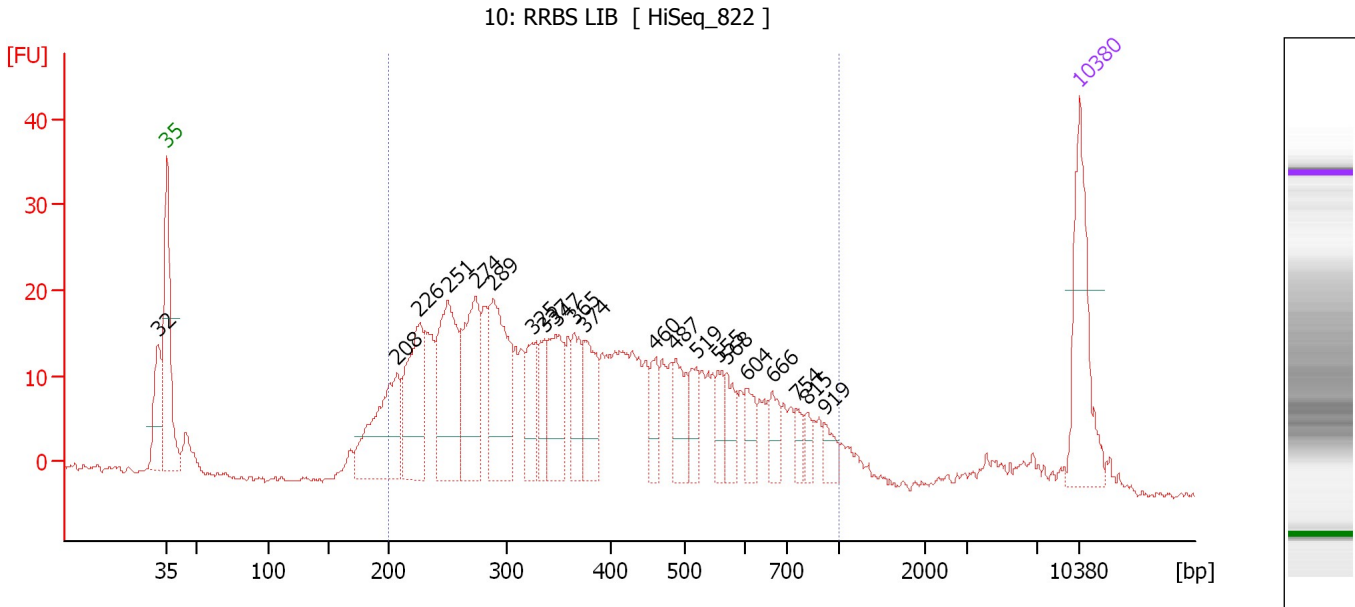
Region table for sample 4 : 9: RRBS LIB

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	403	585.6	8,199.8	1,794.64	87	40.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 10: RRBS LIB

Number of peaks found: 21 Corr. Area 1: 649.7
 Noise: 0.3

Peak table for sample 5 : 10: RRBS LIB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.28
2	35	125.00	5,411.3	Lower Marker	43.00
3	208	130.91	955.7		60.67
4	226	117.89	789.5		62.35
5	251	144.82	874.8		64.56
6	274	109.94	607.2		66.67
7	289	124.75	653.3		68.01
8	325	45.76	213.4		70.99
9	337	33.12	148.8		72.00
10	347	68.76	299.8		72.81
11	365	41.50	172.2		74.26
12	374	58.17	235.6		74.98
13	460	27.17	89.6		80.45
14	487	40.54	126.2		81.98
15	519	27.18	79.3		83.62
16	555	23.53	64.3		85.25
17	568	23.53	62.7		85.87
18	604	21.44	53.8		87.46
19	666	22.33	50.8		89.43
20	754	11.54	23.2		91.25
21	815	11.30	21.0		92.07
22	919	14.52	23.9		93.46
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...

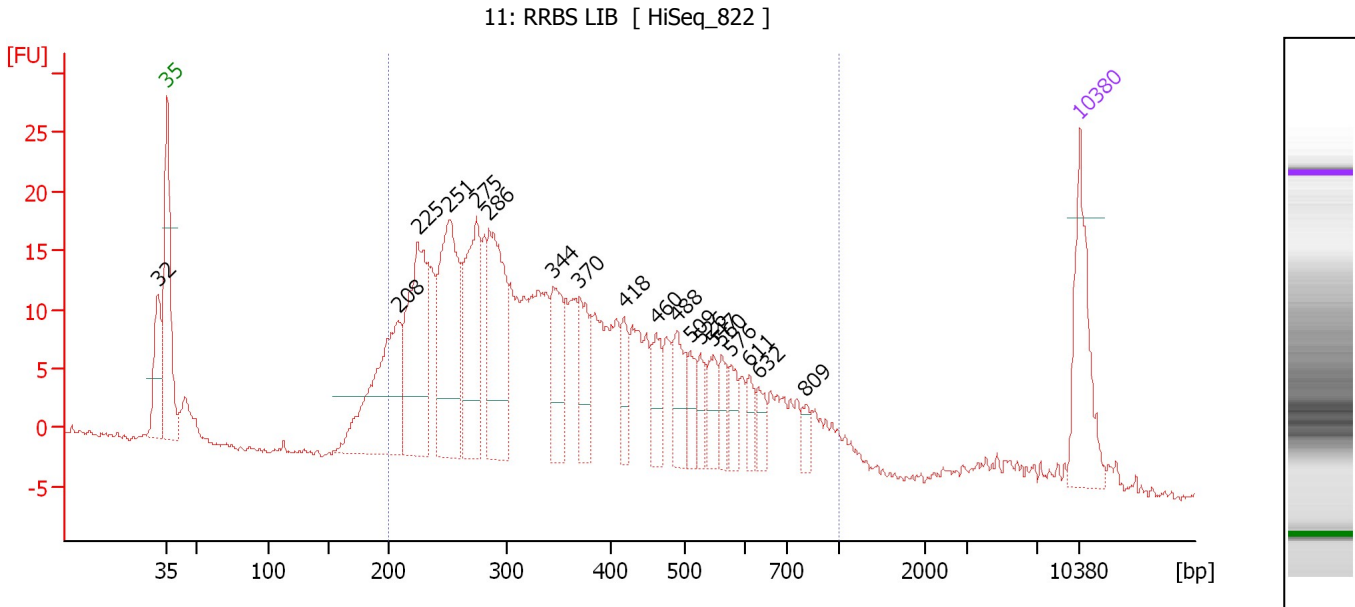
... Region table for sample 5 : 10: RRBS LIB

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	410	649.7	6,728.0	1,490.72	87	40.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 11: RRBS LIB

Number of peaks found: 19 Corr. Area 1: 536.5
 Noise: 0.3

Peak table for sample 6 : 11: RRBS LIB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.28
2	35	125.00	5,411.3	Lower Marker	43.00
3	208	196.14	1,430.9		60.68
4	225	191.32	1,289.0		62.23
5	251	204.97	1,236.1		64.59
6	275	156.25	861.2		66.72
7	286	167.45	888.1		67.69
8	344	73.90	325.1		72.57
9	370	55.82	228.6		74.64
10	418	31.66	114.8		78.07
11	460	37.85	124.6		80.49
12	488	44.68	138.6		82.08
13	509	25.10	74.7		83.14
14	526	22.22	64.0		83.92
15	547	27.96	77.5		84.88
16	560	22.45	60.7		85.51
17	576	21.51	56.6		86.24
18	611	17.36	43.1		87.69
19	632	16.33	39.1		88.36
20	809	12.14	22.7		91.99
21	10,380	75.00	10.9	Upper Marker	113.00

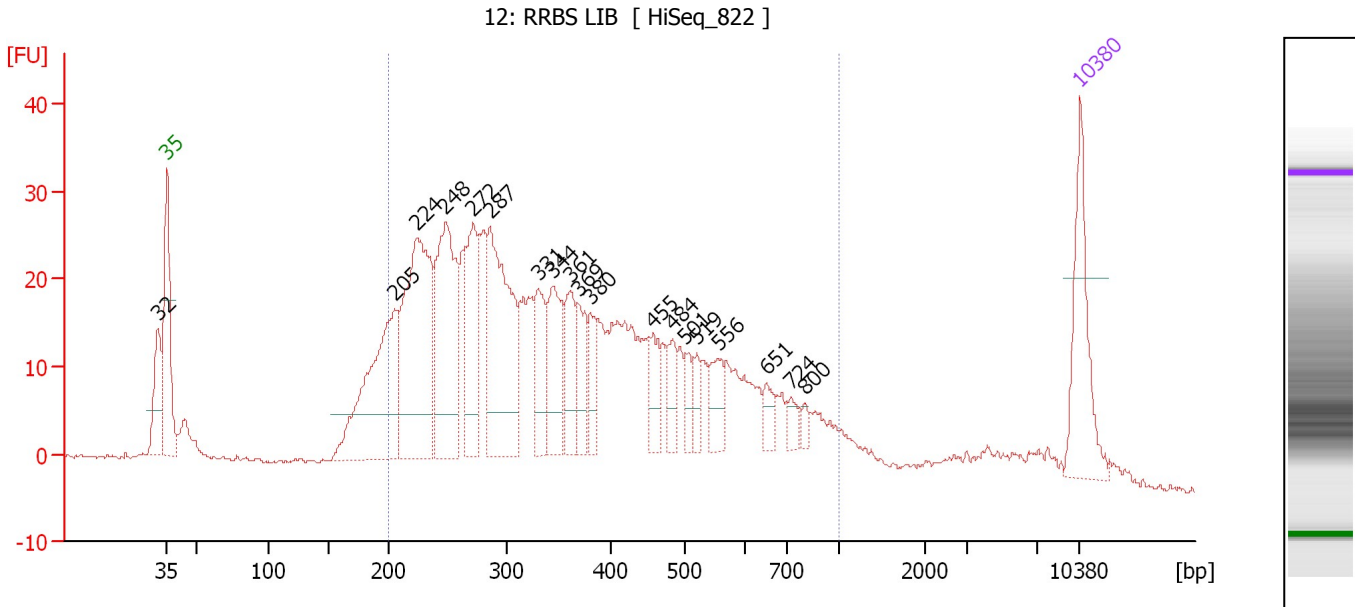
Region table for sample 6 : 11: RRBS LIB

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	388	536.5	8,859.7	1,889.93	89	40.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 12: RRBS LIB

Number of peaks found: 19 Corr. Area 1: 804.1
 Noise: 0.3

Peak table for sample 7 : 12: RRBS LIB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.27
2	35	125.00	5,411.3	Lower Marker	43.00
3	205	228.20	1,686.7		60.44
4	224	266.08	1,796.1		62.19
5	248	202.54	1,236.2		64.33
6	272	108.05	601.8		66.46
7	287	204.71	1,082.0		67.77
8	331	61.00	279.4		71.47
9	344	80.55	354.8		72.54
10	361	55.96	235.0		73.90
11	369	42.23	173.6		74.53
12	380	34.45	137.4		75.45
13	455	33.27	110.7		80.21
14	484	26.36	82.6		81.81
15	501	19.91	60.2		82.78
16	519	18.88	55.1		83.61
17	556	30.24	82.4		85.31
18	651	16.80	39.1		88.95
19	724	12.77	26.7		90.85
20	800	7.00	13.2		91.87
21	10,380	75.00	10.9	Upper Marker	113.00

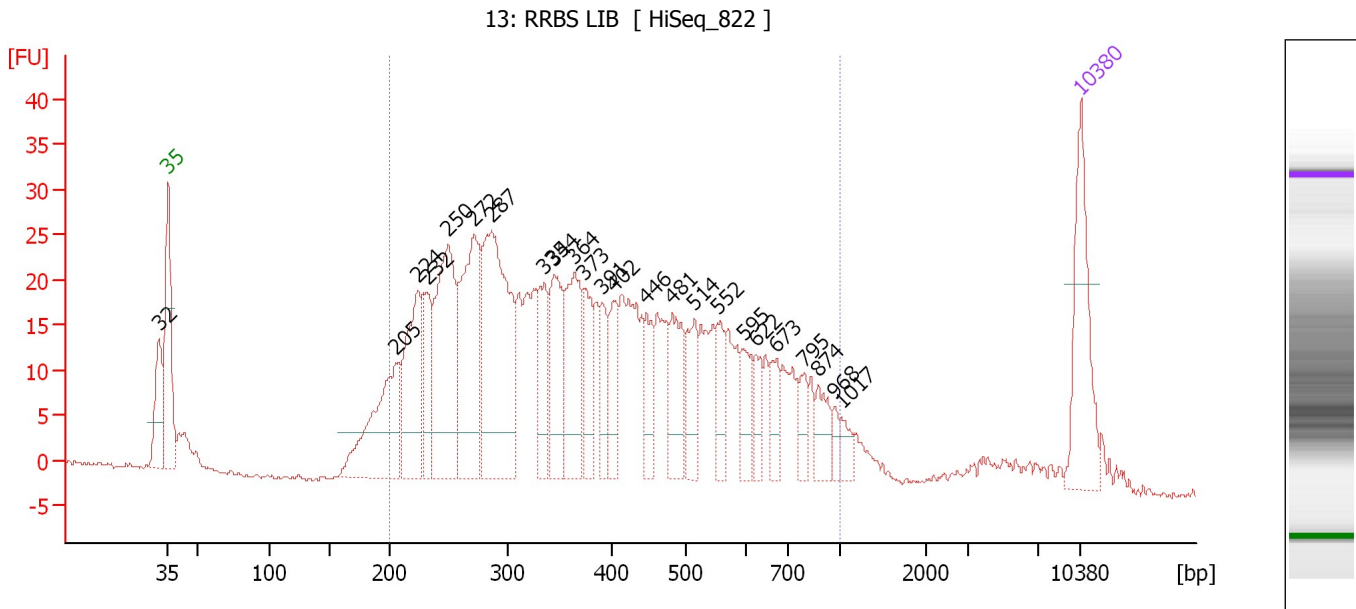
Region table for sample 7 : 12: RRBS LIB

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	391	804.1	9,650.9	2,053.35	83	41.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 13: RRBS LIB

Number of peaks found: 24 Corr. Area 1: 836.1
 Noise: 0.2

Peak table for sample 8 : 13: RRBS LIB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.27
2	35	125.00	5,411.3	Lower Marker	43.00
3	205	138.79	1,024.5		60.46
4	224	120.00	810.9		62.17
5	232	60.24	393.7		62.85
6	250	181.38	1,098.4		64.50
7	272	164.28	913.7		66.50
8	287	237.26	1,252.4		67.81
9	335	59.75	270.4		71.80
10	344	80.98	356.2		72.58
11	364	94.47	392.9		74.18
12	373	52.66	214.1		74.86
13	391	36.01	139.6		76.32
14	402	41.26	155.4		77.20
15	446	41.38	140.6		79.68
16	481	58.44	184.0		81.67
17	514	41.52	122.4		83.38
18	552	27.24	74.8		85.13
19	595	27.74	70.6		87.12
20	622	21.79	53.1		88.05
21	673	25.53	57.5		89.65
22	795	19.83	37.8		91.79
23	874	24.95	43.2		92.86
24	968	9.68	15.1		94.13
25	1,017	11.14	16.6		94.66

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : 13: RRBS LIB

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

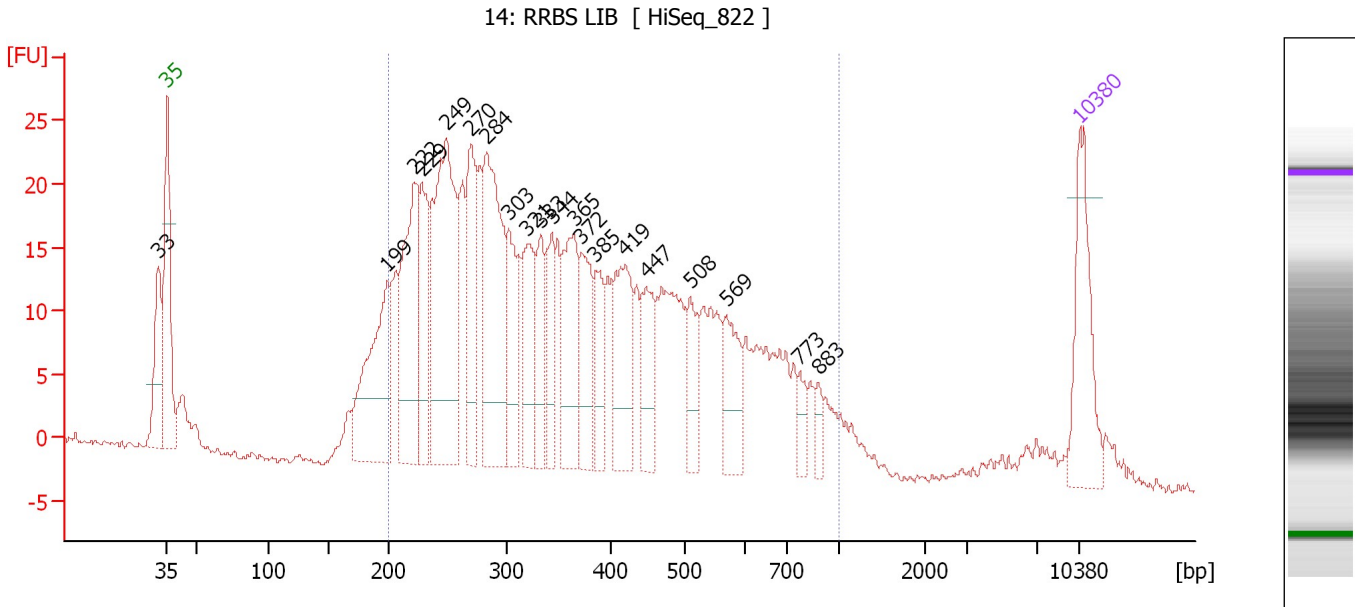
Region table for sample 8 : 13: RRBS LIB

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	416	836.1	8,945.9	2,010.22	88	40.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 14: RRBS LIB

Number of peaks found: 20 Corr. Area 1: 692.6
 Noise: 0.3

Peak table for sample 9 : 14: RRBS LIB


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.32
2	35	125.00	5,411.3	Lower Marker	43.00
3	199	173.90	1,323.9		59.90
4	222	172.50	1,178.2		61.95
5	229	100.70	666.5		62.59
6	249	280.15	1,704.4		64.40
7	270	108.90	610.5		66.30
8	284	204.16	1,089.8		67.52
9	303	73.91	370.1		69.18
10	321	81.50	385.1		70.65
11	333	64.02	291.0		71.67
12	344	55.86	246.3		72.50
13	365	105.32	437.5		74.21
14	372	75.58	307.9		74.80
15	385	50.12	197.1		75.88
16	419	99.22	358.4		78.17
17	447	53.80	182.3		79.73
18	508	44.76	133.5		83.10
19	569	56.66	151.0		85.89
20	773	17.57	34.4		91.51
21	883	14.03	24.1		92.97
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...

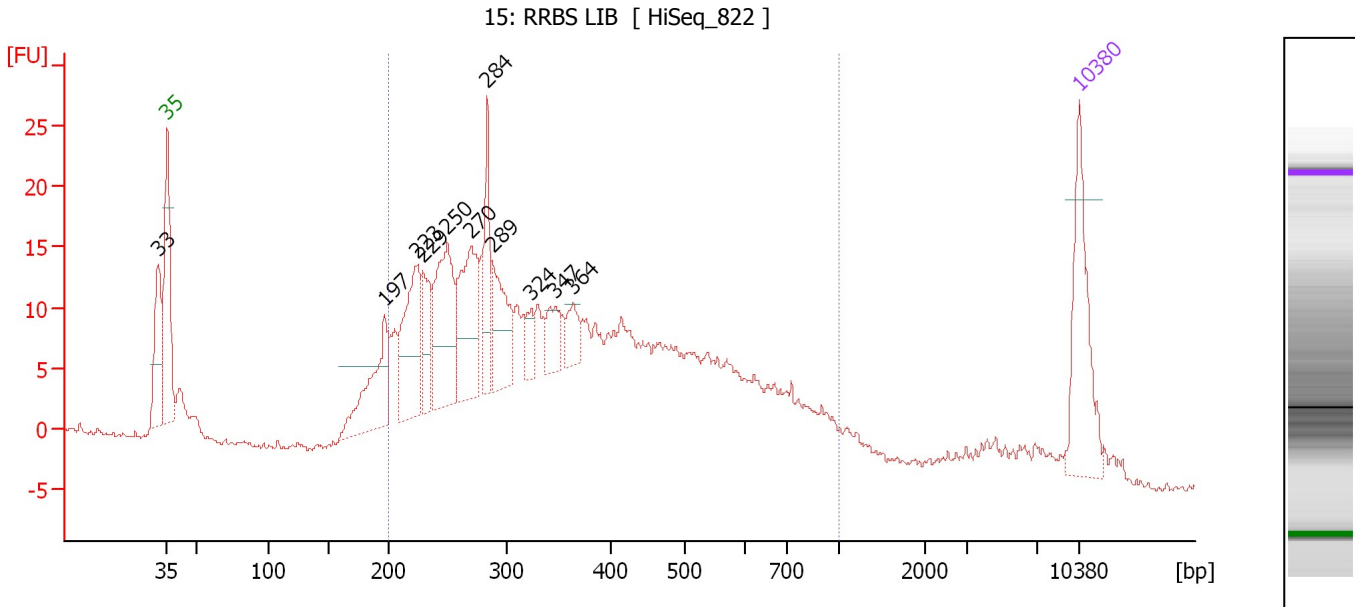
... Region table for sample 9 : 14: RRBS LIB

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	394	692.6	10,847.5	 2,323.76	87	41.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

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 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 15: RRBS LIB

Number of peaks found: 11 Corr. Area 1: 493.1
 Noise: 0.3

Peak table for sample 10 : 15: RRBS LIB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.32
2	35	125.00	5,411.3	Lower Marker	43.00
3	197	96.91	746.2		59.69
4	223	108.96	739.2		62.09
5	229	46.37	306.4		62.62
6	250	119.78	726.1		64.48
7	270	104.30	585.2		66.28
8	284	57.41	306.1		67.55
9	289	69.62	364.9		67.99
10	324	20.91	97.8		70.92
11	347	28.50	124.5		72.78
12	364	23.83	99.2		74.14
13	10,380	75.00	10.9	Upper Marker	113.00

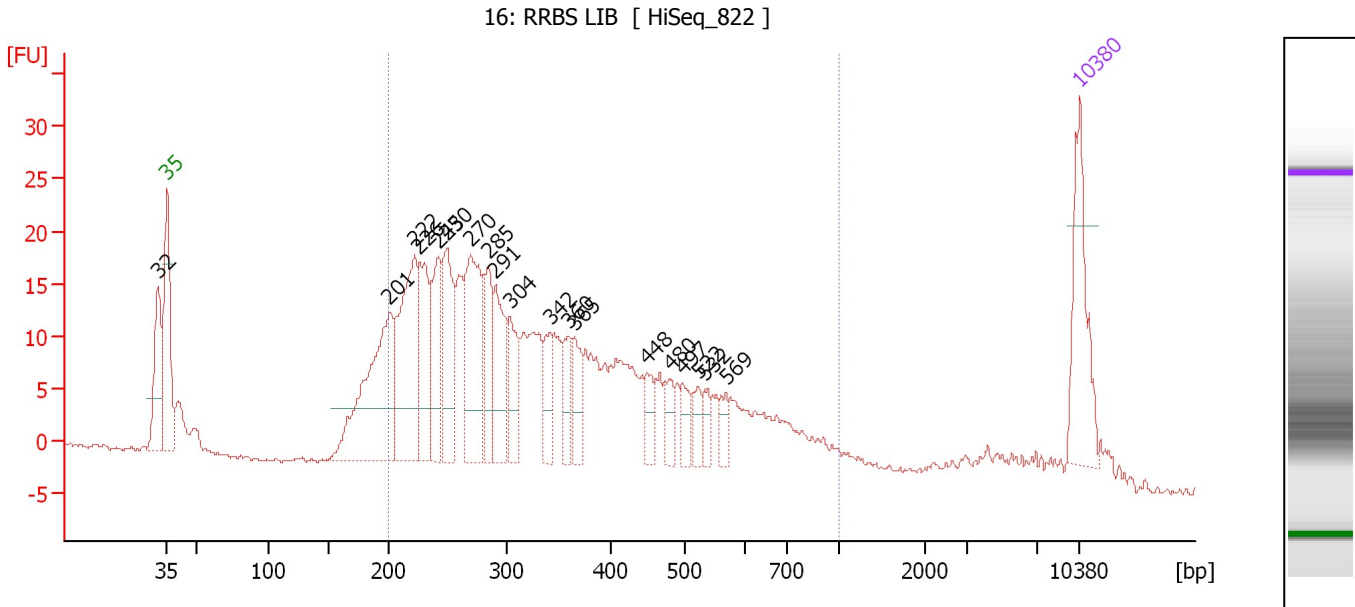
Region table for sample 10 : 15: RRBS LIB

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	396	493.1	7,847.6	1,687.08	82	41.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 16: RRBS LIB

Number of peaks found: 19 Corr. Area 1: 494.5
 Noise: 0.2

Peak table for sample 11 : 16: RRBS LIB

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.26
2	35	125.00	5,411.3	Lower Marker	43.00
3	201	216.07	1,630.7		60.06
4	222	179.03	1,221.6		61.97
5	226	95.02	635.9		62.36
6	243	81.63	509.5		63.83
7	250	97.86	593.4		64.47
8	270	140.42	787.8		66.28
9	285	62.26	331.3		67.61
10	291	78.09	406.1		68.20
11	304	52.21	259.9		69.32
12	342	39.98	176.9		72.41
13	360	32.69	137.6		73.83
14	365	35.17	146.0		74.23
15	448	25.05	84.6		79.81
16	480	20.19	63.8		81.58
17	497	19.76	60.3		82.56
18	522	16.15	46.9		83.74
19	532	15.49	44.1		84.23
20	569	16.92	45.1		85.89
21	10,380	75.00	10.9	Upper Marker	113.00

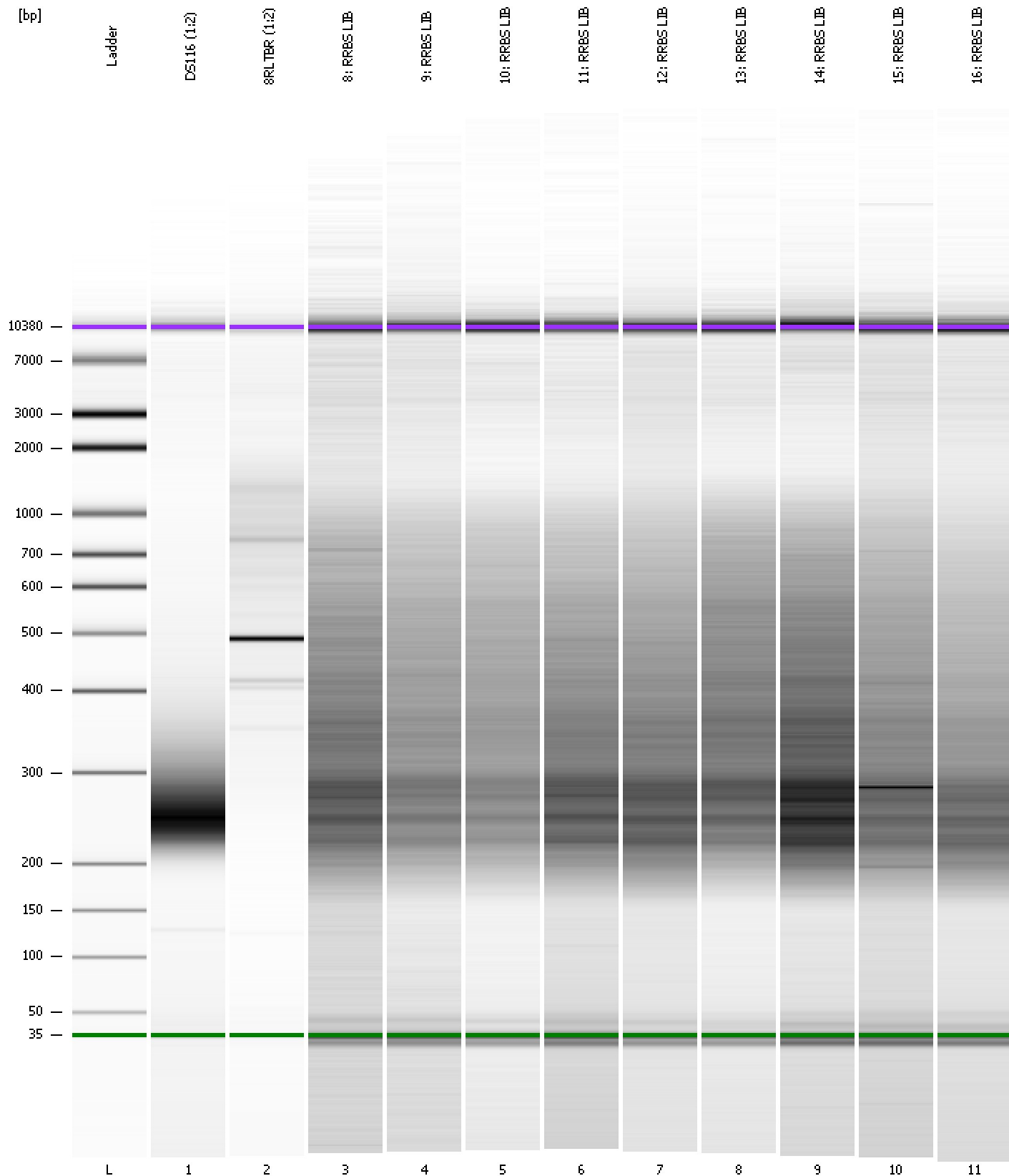
Region table for sample 11 : 16: RRBS LIB

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	370	494.5	8,074.5	1,648.57	82	40.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
Modified: 2/17/2017 5:32:22 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad

Created: 2/17/2017 4:50:55 PM
 Modified: 2/17/2017 5:32:22 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		2/17/2017 5:32:14 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-02-17\2017-02-17_003.xad)		Instrument	Run		2/17/2017 4:51:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/17/2017 4:51:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/17/2017 4:51:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/17/2017 4:51:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/17/2017 4:51:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/17/2017 4:51:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/17/2017 4:51:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1