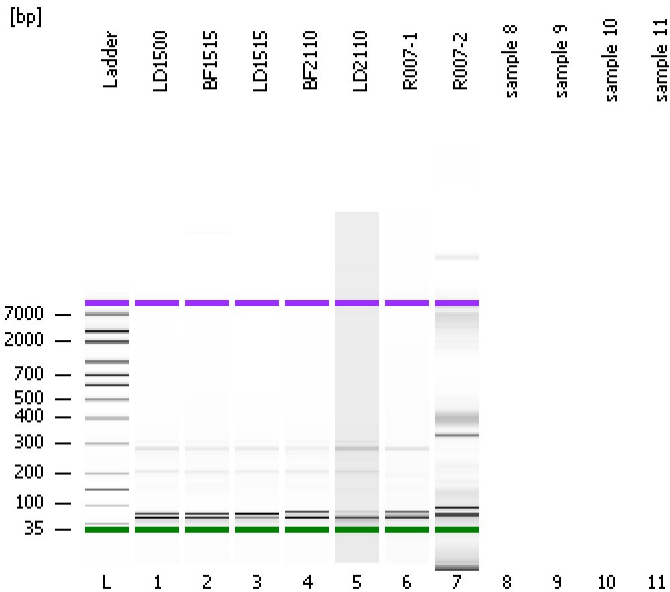


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

Created: 6/20/2017 12:47:28 PM
Modified: 6/20/2017 1:17:21 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

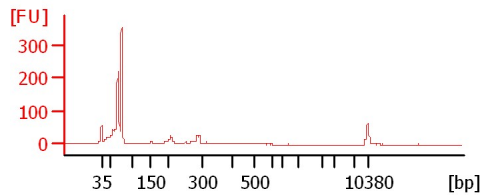
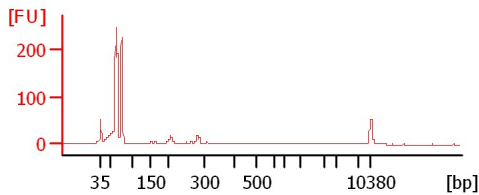
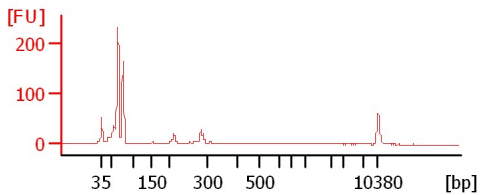
Chip Information:

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

LD1500

BF1515

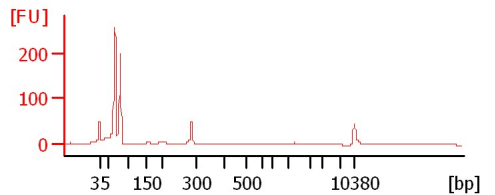
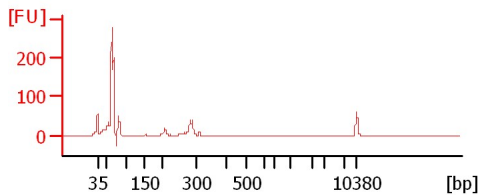
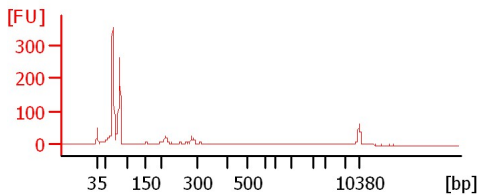
LD1515



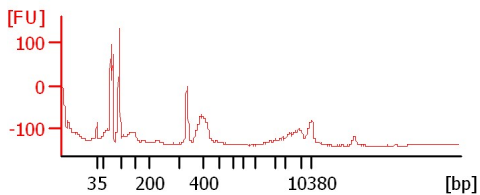
BF2110

LD2110

R007-1



R007-2



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

Created: 6/20/2017 12:47:28 PM
 Modified: 6/20/2017 1:17:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
LD1500		<input type="checkbox"/>	✓			
BF1515		<input type="checkbox"/>	✓			
LD1515		<input type="checkbox"/>	✓			
BF2110		<input type="checkbox"/>	✓			
LD2110		<input type="checkbox"/>	✓			
R007-1		<input type="checkbox"/>	✓			
R007-2		<input type="checkbox"/>	✓			
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

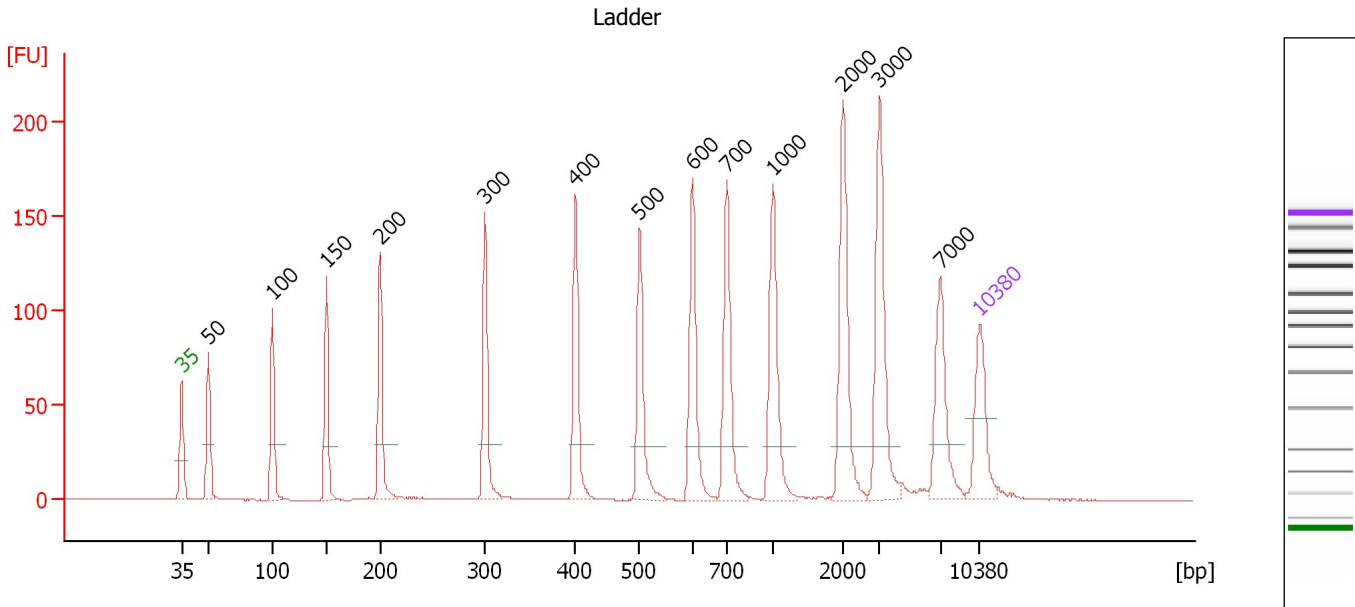
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

Created: 6/20/2017 12:47:28 PM
 Modified: 6/20/2017 1:17:21 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

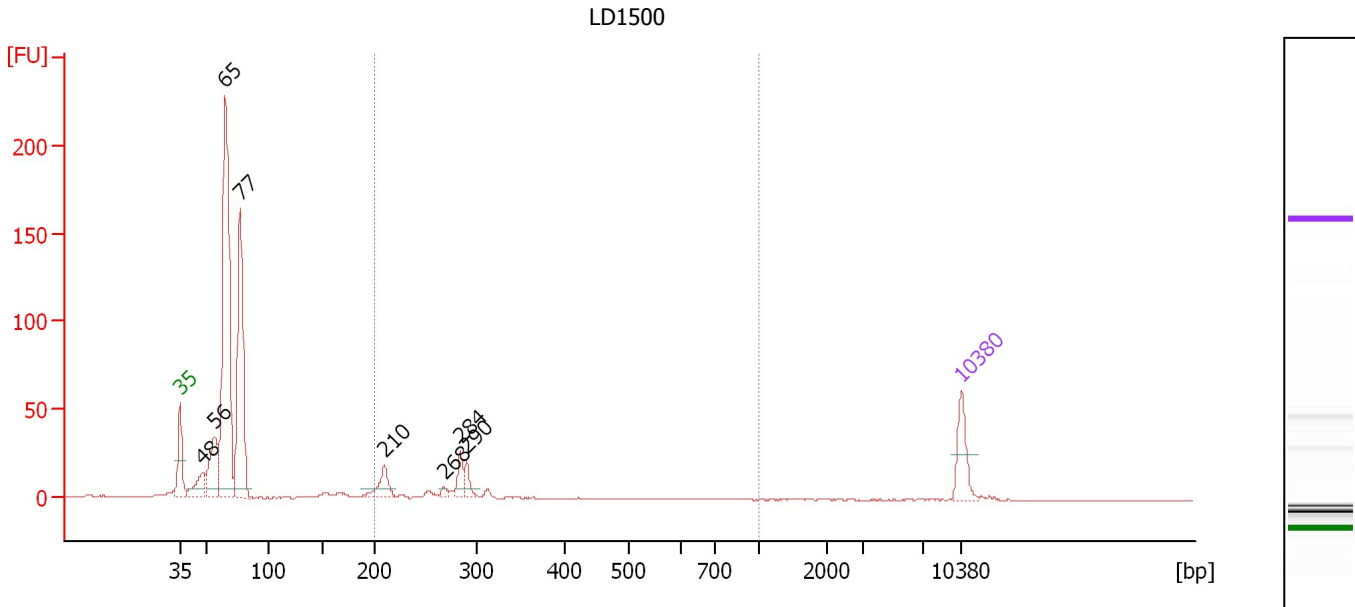
Peak table for Ladder

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	45.34
3	100	150.00	2,272.7	Ladder Peak	50.95
4	150	150.00	1,515.2	Ladder Peak	55.72
5	200	150.00	1,136.4	Ladder Peak	60.39
6	300	150.00	757.6	Ladder Peak	69.61
7	400	150.00	568.2	Ladder Peak	77.56
8	500	150.00	454.5	Ladder Peak	83.17
9	600	150.00	378.8	Ladder Peak	87.80
10	700	150.00	324.7	Ladder Peak	90.84
11	1,000	150.00	227.3	Ladder Peak	94.86
12	2,000	150.00	113.6	Ladder Peak	101.03
13	3,000	150.00	75.8	Ladder Peak	104.21
14	7,000	150.00	32.5	Ladder Peak	109.54
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : LD1500

Number of peaks found: 8 Corr. Area 1: 93.4
 Noise: 0.2

Peak table for sample 1 : LD1500

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	48	97.67	3,071.5		45.05
3	56	214.64	5,764.6		46.06
4	65	1,085.41	25,162.7		47.06
5	77	643.30	12,612.7		48.40
6	210	79.00	570.4		61.30
7	268	14.51	82.0		66.65
8	284	52.80	281.7		68.13
9	290	40.04	209.0		68.71
10	10,380	75.00	10.9	Upper Marker	113.00

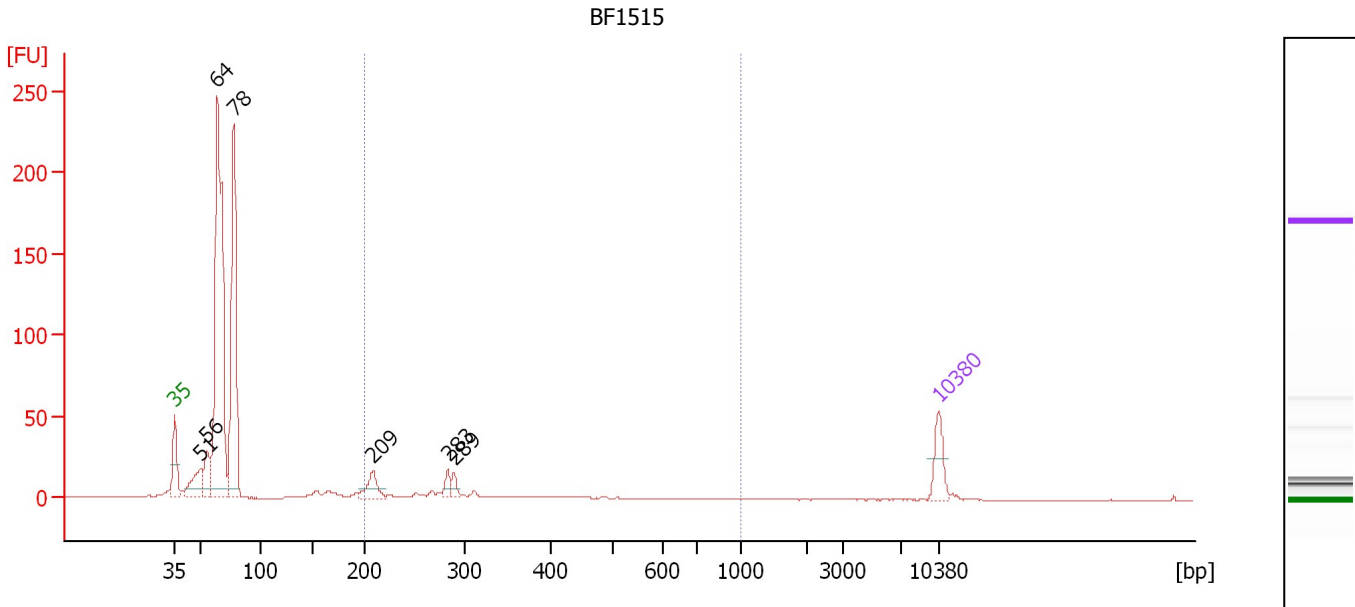
Region table for sample 1 : LD1500

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	263	93.4	1,338.3	230.64	12	15.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

Created: 6/20/2017 12:47:28 PM
 Modified: 6/20/2017 1:17:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : BF1515

Number of peaks found: 7 Corr. Area 1: 91.1
 Noise: 0.1

Peak table for sample 2 : BF1515

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	51	156.48	4,693.9		45.40
3	56	144.84	3,937.3		45.98
4	64	1,479.29	35,014.0		46.91
5	78	873.93	17,082.1		48.43
6	209	91.77	666.6		61.18
7	283	38.89	208.3		68.03
8	289	30.28	158.6		68.61
9	10,380	75.00	10.9	Upper Marker	113.00

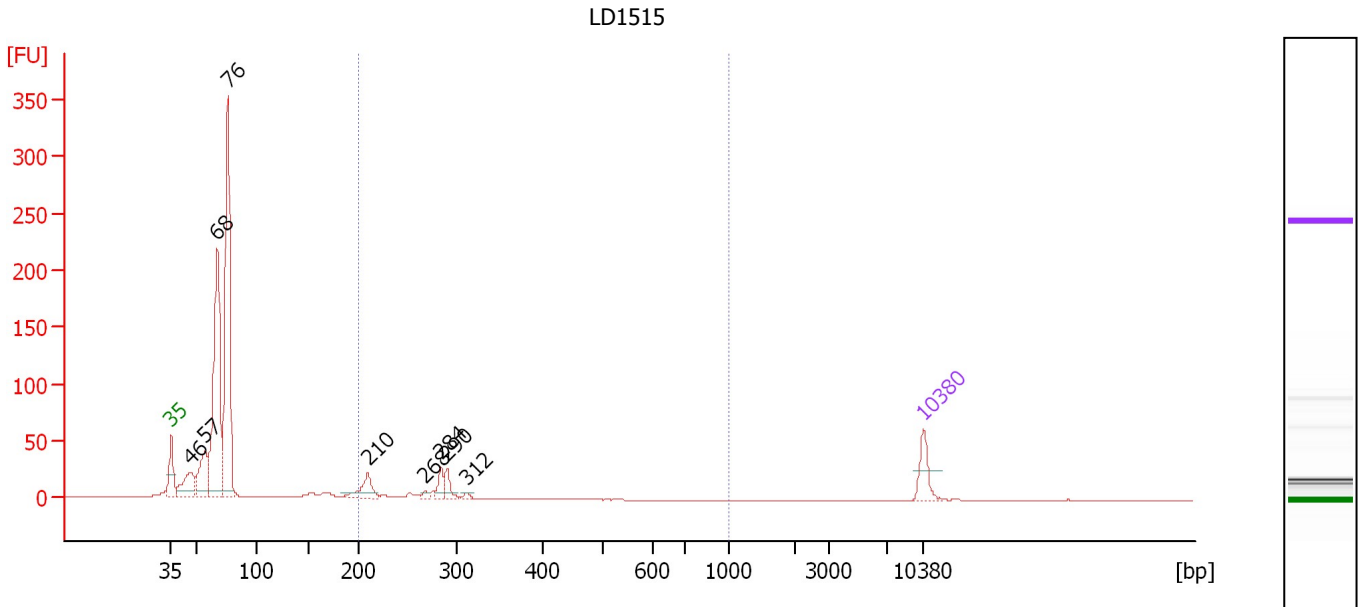
Region table for sample 2 : BF1515

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	296	91.1	1,398.8	250.61	10	33.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

Created: 6/20/2017 12:47:28 PM
 Modified: 6/20/2017 1:17:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : LD1515

Number of peaks found: 9 Corr. Area 1: 112.4
 Noise: 0.1

Peak table for sample 3 : LD1515

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	46	192.17	6,310.4		44.74
3	57	246.21	6,542.7		46.13
4	68	1,018.58	22,821.1		47.32
5	76	1,143.85	22,796.4		48.26
6	210	113.88	822.1		61.31
7	268	16.74	94.6		66.66
8	284	55.41	296.0		68.10
9	290	51.17	267.2		68.70
10	312	11.02	53.6		70.53
11	10,380	75.00	10.9	Upper Marker	113.00

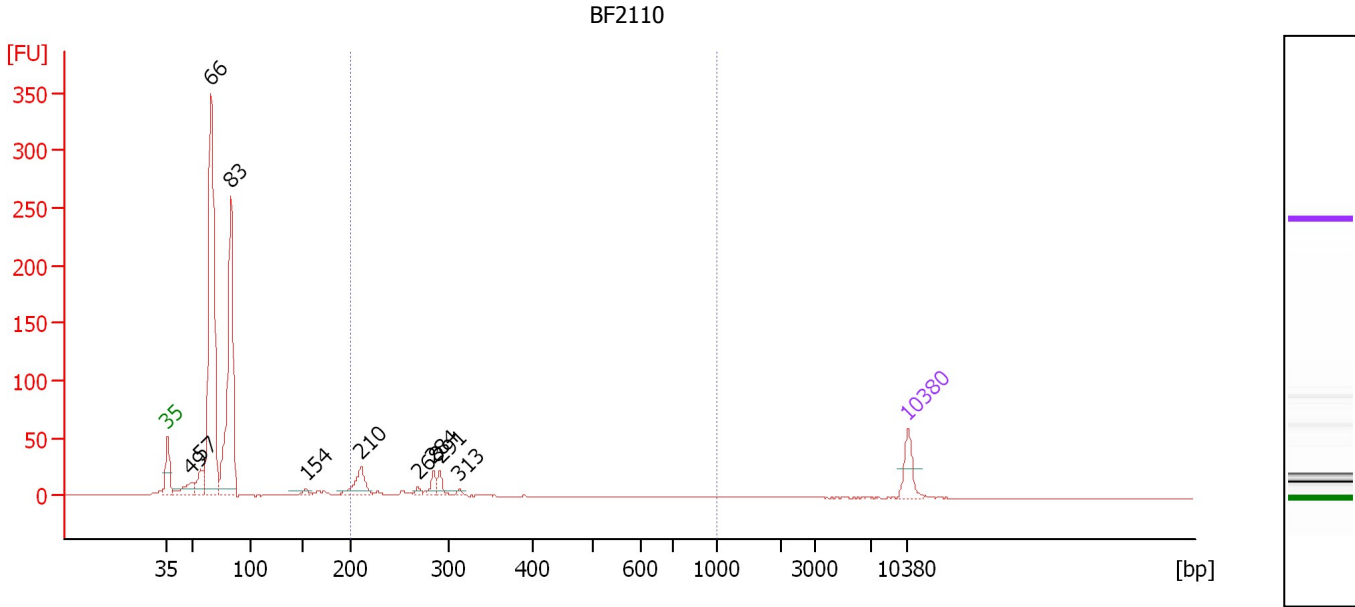
Region table for sample 3 : LD1515

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	259	112.4	1,613.6	274.81	11	14.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

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 Modified: 6/20/2017 1:17:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : BF2110

Number of peaks found: 10 Corr. Area 1: 122.7
 Noise: 0.2

Peak table for sample 4 : BF2110

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	49	96.95	2,984.1		45.22
3	57	114.38	3,016.3		46.17
4	66	1,557.93	35,770.6		47.13
5	83	1,108.81	20,337.8		49.00
6	154	27.78	273.1		56.10
7	210	139.22	1,003.0		61.34
8	268	17.91	101.2		66.69
9	284	46.46	247.7		68.15
10	291	44.14	230.1		68.75
11	313	12.71	61.6		70.62
12	10,380	75.00	10.9	Upper Marker	113.00

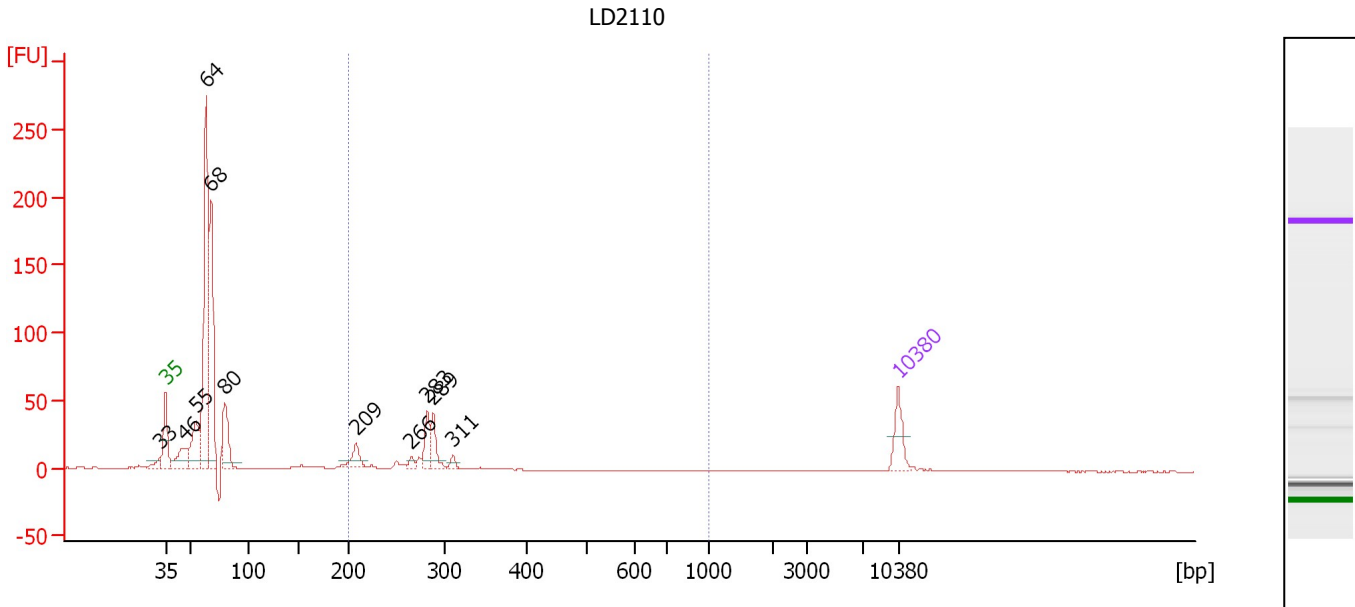
Region table for sample 4 : BF2110

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	277	122.7	1,855.7	318.70	12	33.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : LD2110

Number of peaks found: 11 Corr. Area 1: 136.7
 Noise: 0.1

Peak table for sample 5 : LD2110

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.44
2	35	125.00	5,411.3	Lower Marker	43.00
3	46	129.18	4,244.6		44.73
4	55	204.50	5,629.1		45.90
5	64	992.23	23,612.8		46.87
6	68	561.11	12,547.8		47.33
7	80	208.77	3,976.0		48.66
8	209	68.79	499.6		61.19
9	266	18.35	104.5		66.49
10	283	90.86	486.9		68.01
11	289	85.05	446.2		68.57
12	311	19.67	95.9		70.46
13	10,380	75.00	10.9	Upper Marker	113.00

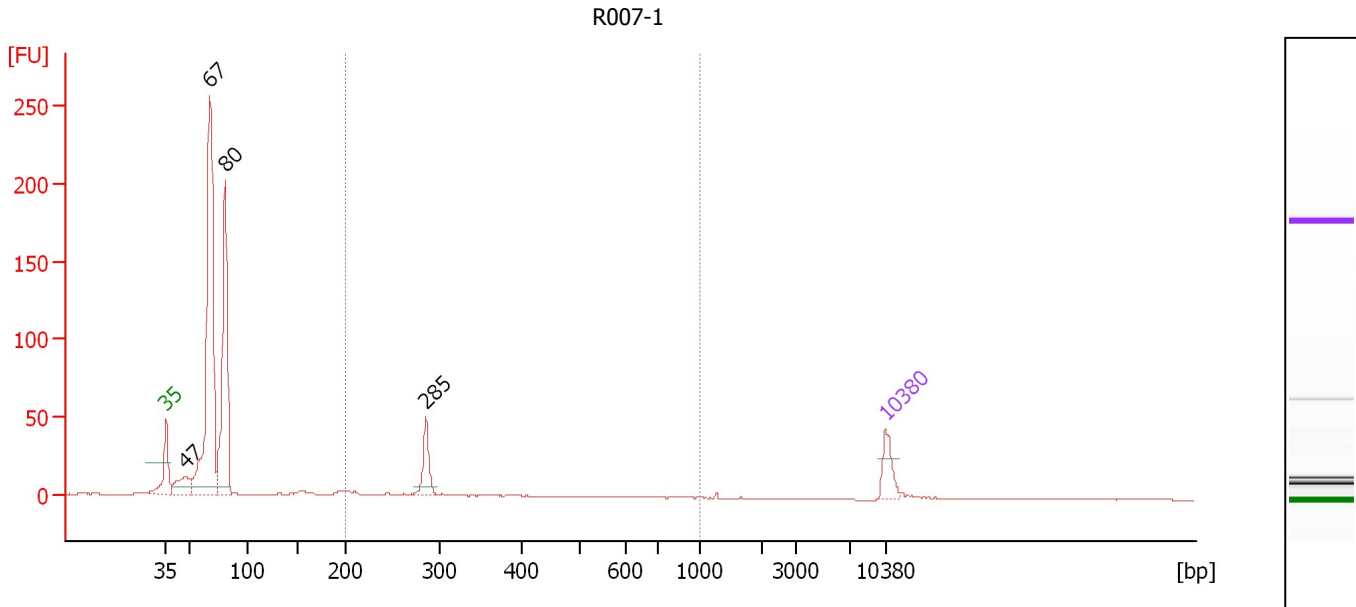
Region table for sample 5 : LD2110

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	269	136.7	2,025.1	358.33	17	12.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

Created: 6/20/2017 12:47:28 PM
 Modified: 6/20/2017 1:17:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : R007-1

Number of peaks found: 4 Corr. Area 1: 76.0
 Noise: 0.1

Peak table for sample 6 : R007-1

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	141.15	4,551.8		44.87
3	67	1,576.06	35,597.8		47.26
4	80	891.08	16,773.5		48.76
5	285	137.76	731.1		68.27
6	10,380	75.00	10.9	Upper Marker	113.00

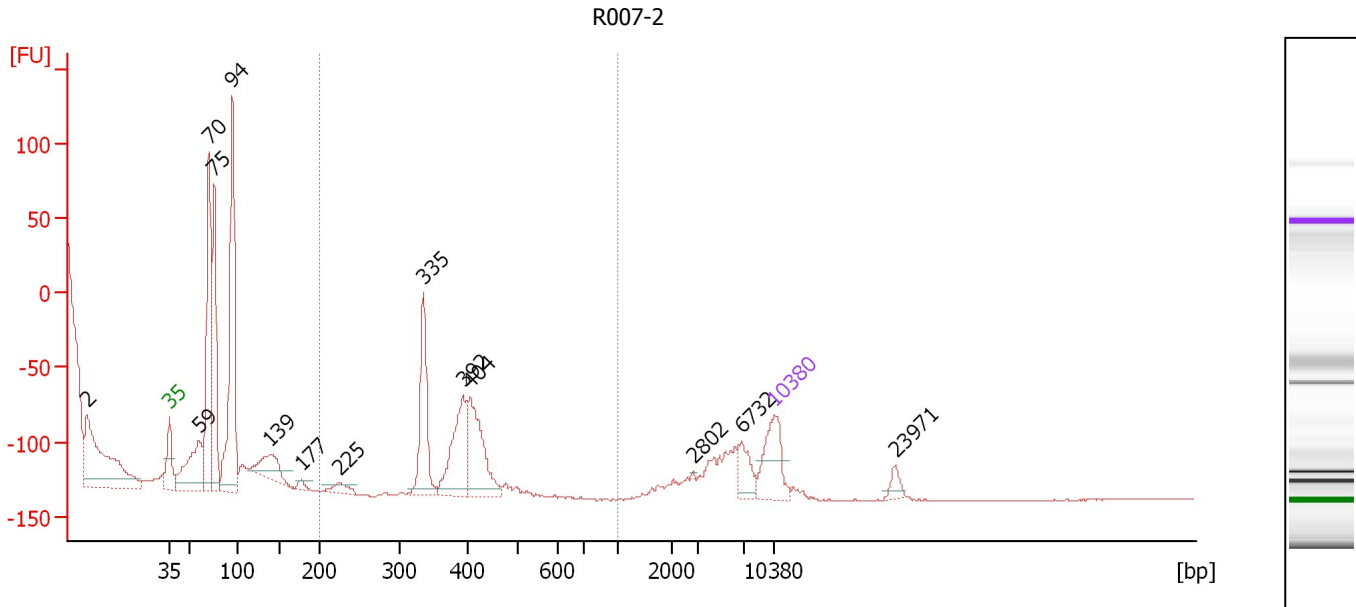
Region table for sample 6 : R007-1

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	297	76.0	1,182.2	222.62	9	24.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

Created: 6/20/2017 12:47:28 PM
 Modified: 6/20/2017 1:17:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : R007-2

Number of peaks found: 14 Corr. Area 1: 44.4
 Noise: 0.2

Peak table for sample 7 : R007-2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	2	0.00	0.0		33.46
2	35	125.00	5,411.3	Lower Marker	43.00
3	59	174.34	4,451.6		46.39
4	70	342.67	7,442.3		47.56
5	75	261.55	5,266.4		48.17
6	94	441.29	7,120.4		50.26
7	139	84.73	925.9		54.64
8	177	10.51	89.9		58.27
9	225	24.63	165.9		62.70
10	335	159.40	721.5		72.37
11	392	142.16	549.4		76.92
12	404	150.17	563.1		77.78
13	2,802	1.26	0.7		103.58
14	6,732	37.02	8.3		109.18
15	10,380	75.00	10.9	Upper Marker	113.00
16	23,971	0.00	0.0		126.91

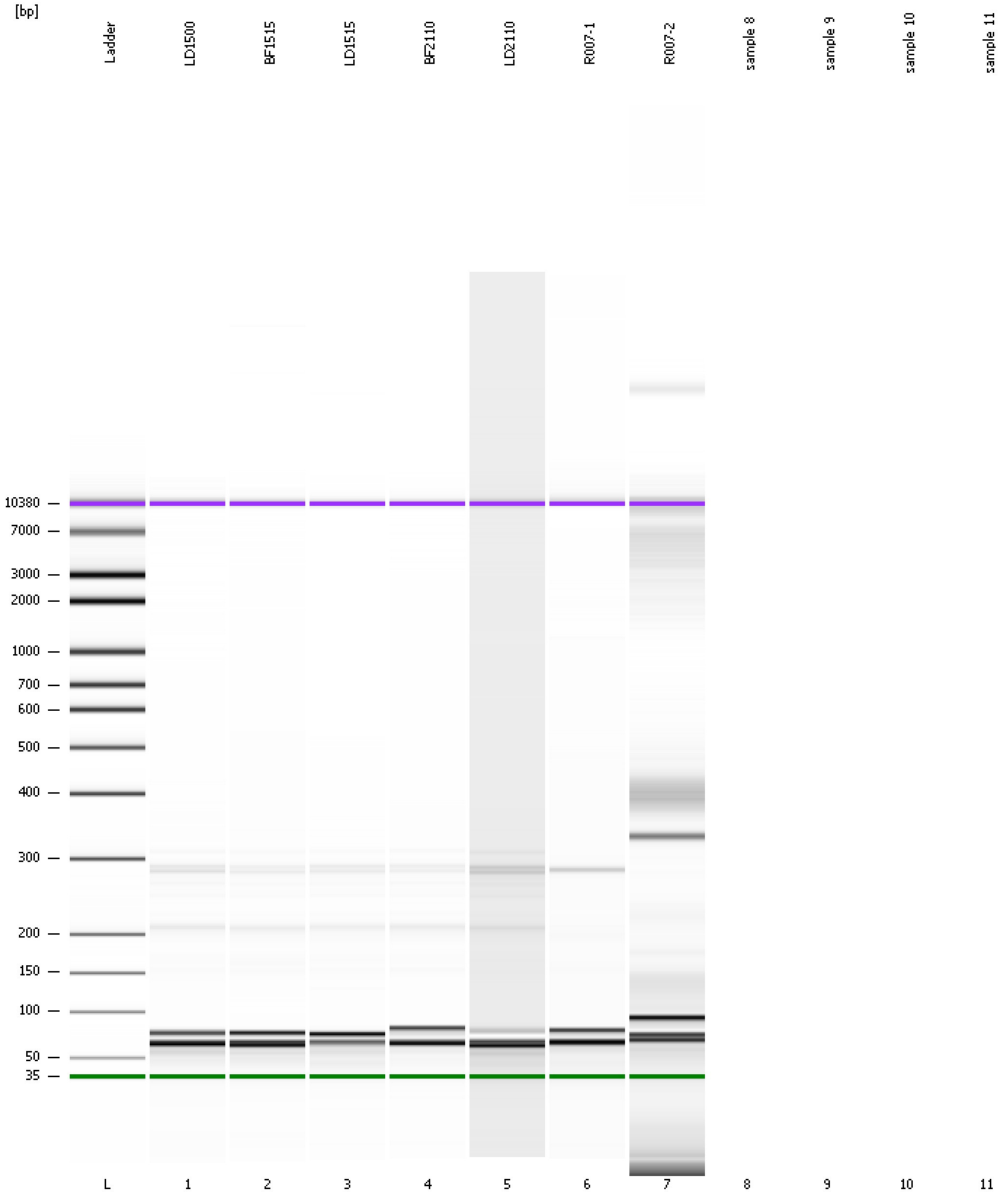
Region table for sample 7 : R007-2

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	338	44.4	206.6	46.04	11	4.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

Created: 6/20/2017 12:47:28 PM
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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-20\2017-06-20_004.xad

Created: 6/20/2017 12:47:28 PM
Modified: 6/20/2017 1:17:21 PM

Invalid Samples

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.