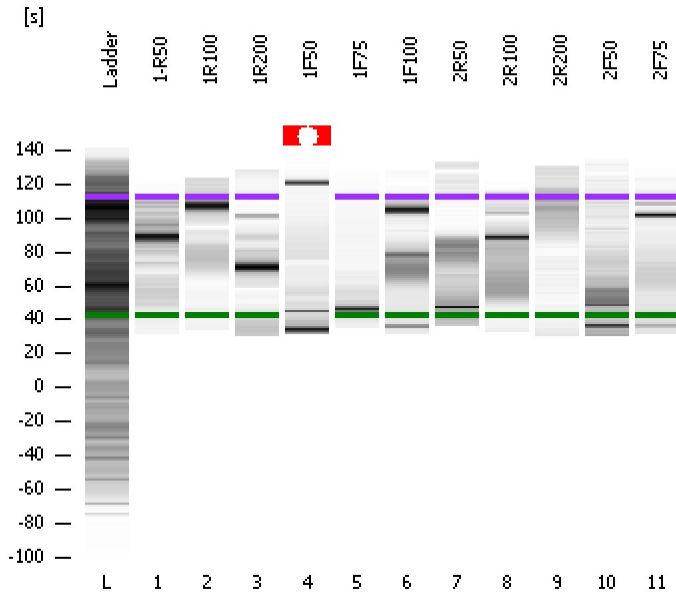


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
Modified: 8/11/2016 11:13:27 AM

Electrophoresis File Run Summary



Instrument Information:

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

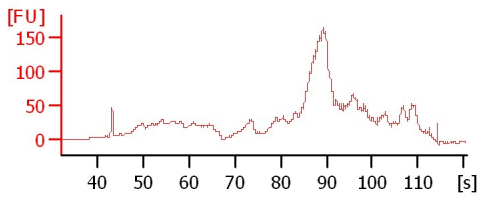
Assay Information:

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

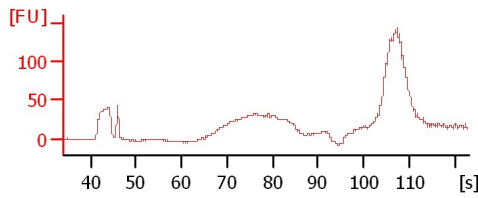
Chip Information:

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

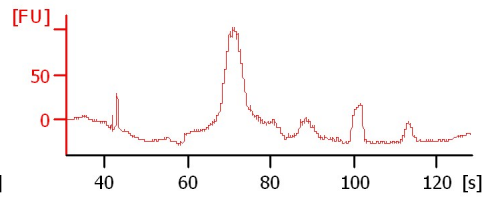
1-R50



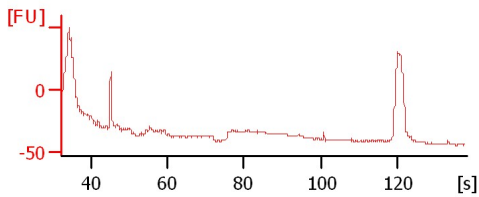
1R100



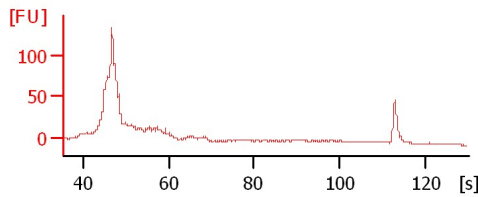
1R200



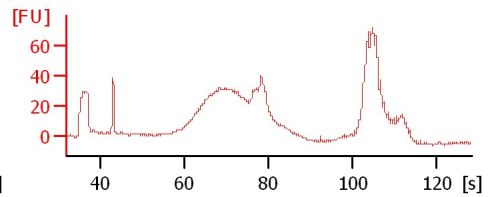
1F50



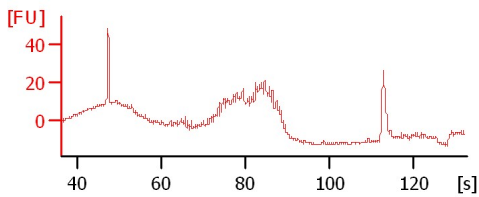
1F75



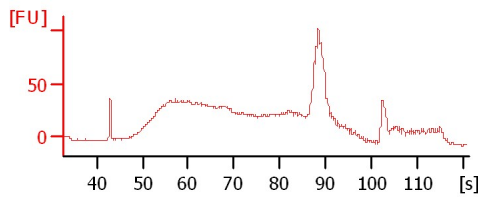
1F100



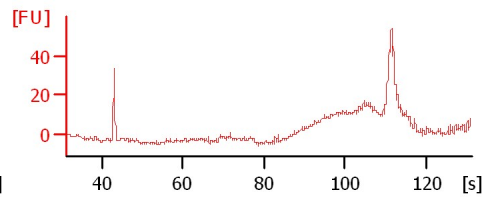
2R50



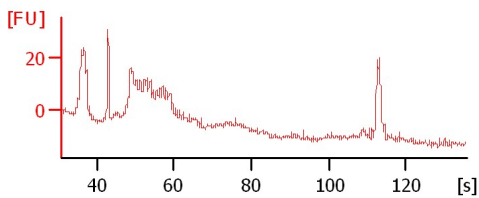
2R100



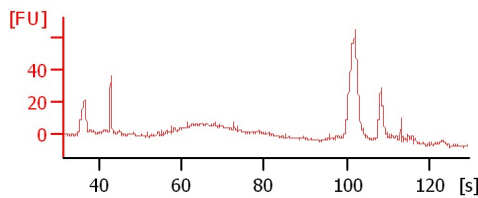
2R200



2F50



2F75



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
Modified: 8/11/2016 11:13:27 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1-R50		<input type="checkbox"/>	✓			
1R100		<input type="checkbox"/>	✓			
1R200		<input type="checkbox"/>	✓			
1F50		<input type="checkbox"/>	✓			
1F75		<input type="checkbox"/>	✓			
1F100		<input type="checkbox"/>	✓			
2R50		<input type="checkbox"/>	✓			
2R100		<input type="checkbox"/>	✓			
2R200		<input type="checkbox"/>	✓			
2F50		<input type="checkbox"/>	✓			
2F75		<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\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
Modified: 8/11/2016 11:13:27 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\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
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Electropherogram Summary Continued ...

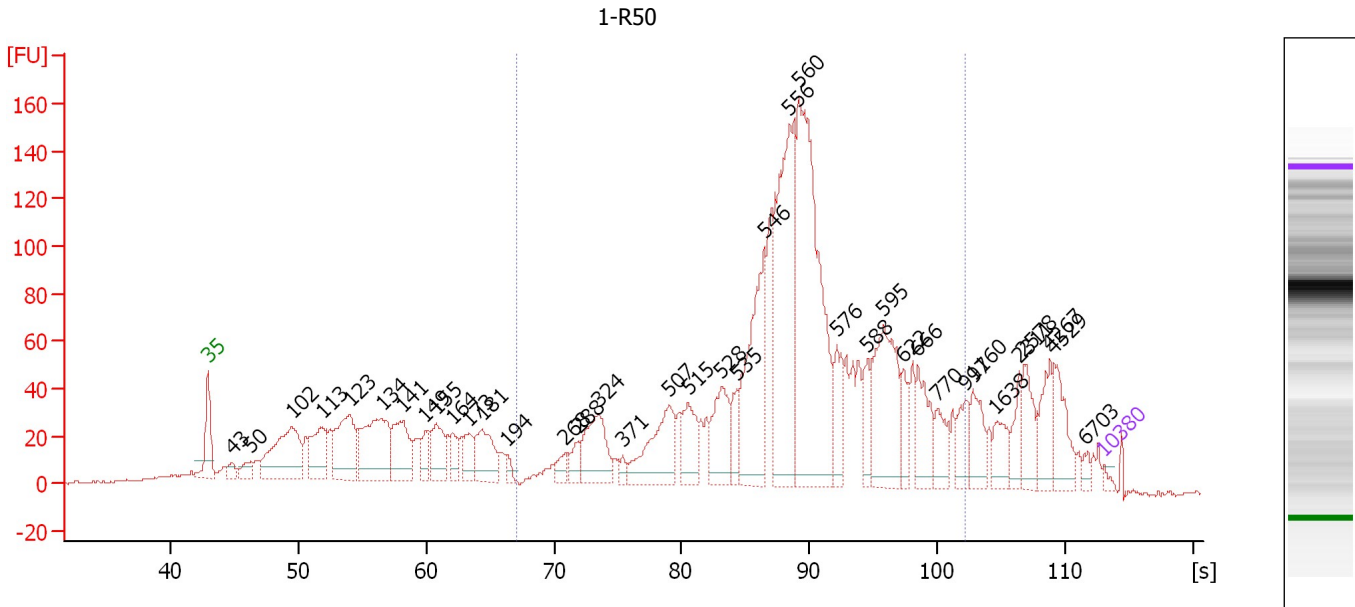
... Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	511	0.00	0.0		79.77
29	547	0.00	0.0		86.72
30	571	0.00	0.0		91.20
31	 600	150.00	378.8	Ladder Peak	96.74
32	 700	150.00	324.7	Ladder Peak	99.33
33	 1,000	150.00	227.3	Ladder Peak	102.16
34	 2,000	150.00	113.6	Ladder Peak	105.93
35	 3,000	150.00	75.8	Ladder Peak	107.34
36	 7,000	150.00	32.5	Ladder Peak	111.82
37	 10,380	75.00	10.9	Upper Marker	113.00
38	23,562	0.00	0.0		117.60
39	41,138	0.00	0.0		123.72
40	53,306	0.00	0.0		127.97
41	63,446	0.00	0.0		131.50

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : 1-R50

Number of peaks found: 38 Corr. Area 1: 1,975.1
 Noise: 0.6

Peak table for sample 1 : 1-R50

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	43	280.66	9,865.4		44.85
3	50	434.46	13,284.7		46.32
4	102	3,040.47	45,289.1		49.50
5	113	1,514.27	20,370.2		51.90
6	123	2,281.51	28,198.7		54.08
7	134	3,004.54	34,001.9		56.56
8	141	1,716.21	18,396.1		58.19
9	149	563.09	5,710.9		59.95
10	155	1,121.17	10,939.1		60.84
11	164	507.35	4,673.3		62.14
12	173	690.57	6,065.5		63.27
13	181	1,389.24	11,660.5		64.40
14	194	187.49	1,460.8		66.38
15	268	352.12	1,987.8		70.87
16	288	397.12	2,091.1		71.91
17	324	1,590.88	7,441.3		73.51
18	371	143.63	585.9		75.36
19	507	1,764.91	5,279.0		79.01
20	515	961.84	2,832.5		80.52
21	528	1,292.57	3,707.6		83.12
22	535	487.76	1,382.3		84.34
23	546	3,062.61	8,503.4		86.44
24	556	5,076.91	13,827.1		88.45
25	560	6,651.26	17,993.3		89.16

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
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Electropherogram Summary Continued ...

... Peak table for sample 1 : 1-R50

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	576	832.31	2,190.2		92.14
27	588	585.48	1,508.2		94.49
28	595	2,488.54	6,336.7		95.79
29	622	524.70	1,278.4		97.30
30	666	1,030.33	2,345.5		98.44
31	770	648.52	1,276.0		99.99
32	997	576.18	875.6		102.13
33	1,160	676.65	884.1		102.76
34	1,638	507.10	469.0		104.56
35	2,311	421.50	276.3		106.37
36	2,578	657.33	386.3		106.75
37	4,267	711.57	252.7		108.76
38	4,529	815.49	272.8		109.06
39	6,703	124.48	28.1		111.49
40	10,380	75.00	10.9	Upper Marker	113.00

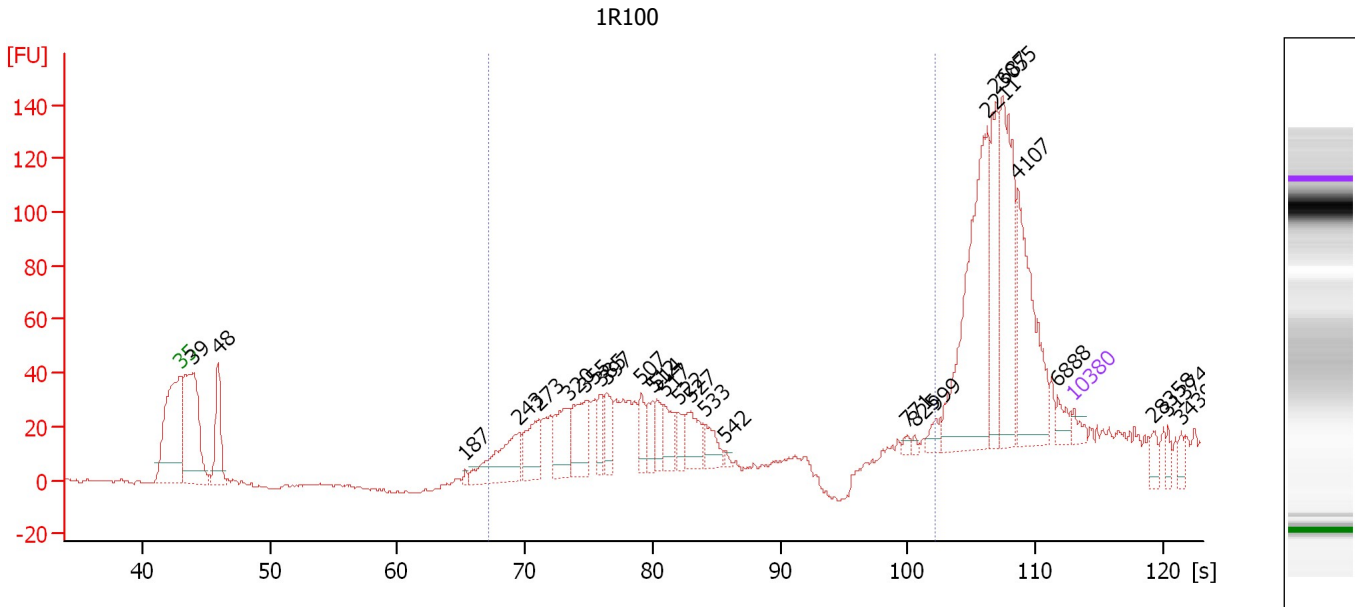
Region table for sample 1 : 1-R50

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	559	1,975.1	98,232.9	33,692.45	61	18.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 1R100

Number of peaks found: 28 Corr. Area 1: 411.7
 Noise: 0.4

Peak table for sample 2 : 1R100

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	39	2,291.46	88,463.7		43.97
3	48	797.11	25,200.9		45.94
4	187	45.55	368.8		65.34
5	243	832.49	5,185.6		69.50
6	273	538.09	2,989.4		71.10
7	320	538.20	2,545.1		73.37
8	355	623.02	2,658.9		74.72
9	385	231.07	908.7		75.90
10	397	309.95	1,182.3		76.36
11	507	226.93	677.9		79.14
12	512	214.01	633.7		79.98
13	514	184.38	543.9		80.36
14	517	270.60	793.4		80.94
15	522	144.93	420.4		82.00
16	527	330.77	950.2		82.96
17	533	224.02	636.6		84.06
18	542	28.98	81.0		85.70
19	771	44.45	87.3		100.00
20	825	29.79	54.7		100.51
21	999	97.57	148.0		102.15
22	2,211	1,732.46	1,187.4		106.23
23	2,687	678.47	382.6		106.90
24	3,055	1,104.50	547.8		107.41
25	4,107	1,051.51	387.9		108.58

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
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Electropherogram Summary Continued ...

... Peak table for sample 2 : 1R100

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	6,888	111.64	24.6		111.70
27	10,380	75.00	10.9	Upper Marker	113.00
28	28,358	0.00	0.0		119.27
29	31,374	0.00	0.0		120.32
30	34,391	0.00	0.0		121.37

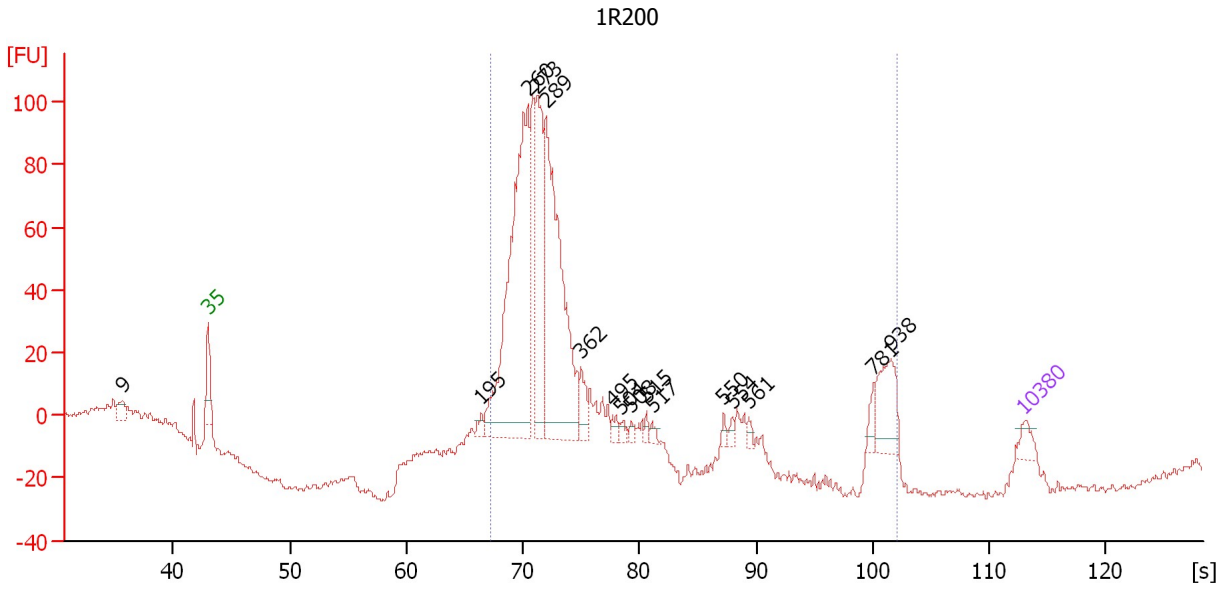
Region table for sample 2 : 1R100

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	424	411.7	16,834.2	4,171.69	33	29.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
 Modified: 8/11/2016 11:13:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 1R200

Number of peaks found: 16 Corr. Area 1: 836.8
 Noise: 1.0

Peak table for sample 3 : 1R200

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	9	0.00	0.0		35.58
2	35	125.00	5,411.3	Lower Marker	43.00
3	195	53.03	411.9		66.46
4	260	2,681.70	15,618.1		70.42
5	273	999.96	5,551.6		71.11
6	289	2,163.15	11,338.4		71.99
7	362	161.99	678.4		74.98
8	495	49.11	150.3		77.70
9	504	38.08	114.6		78.44
10	508	31.32	93.4		79.27
11	515	39.11	115.1		80.60
12	517	33.43	97.9		81.06
13	550	34.97	96.3		87.24
14	554	36.58	100.1		87.98
15	561	35.42	95.6		89.41
16	781	95.22	184.6		100.10
17	938	341.46	551.7		101.57
18	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 3 : 1R200

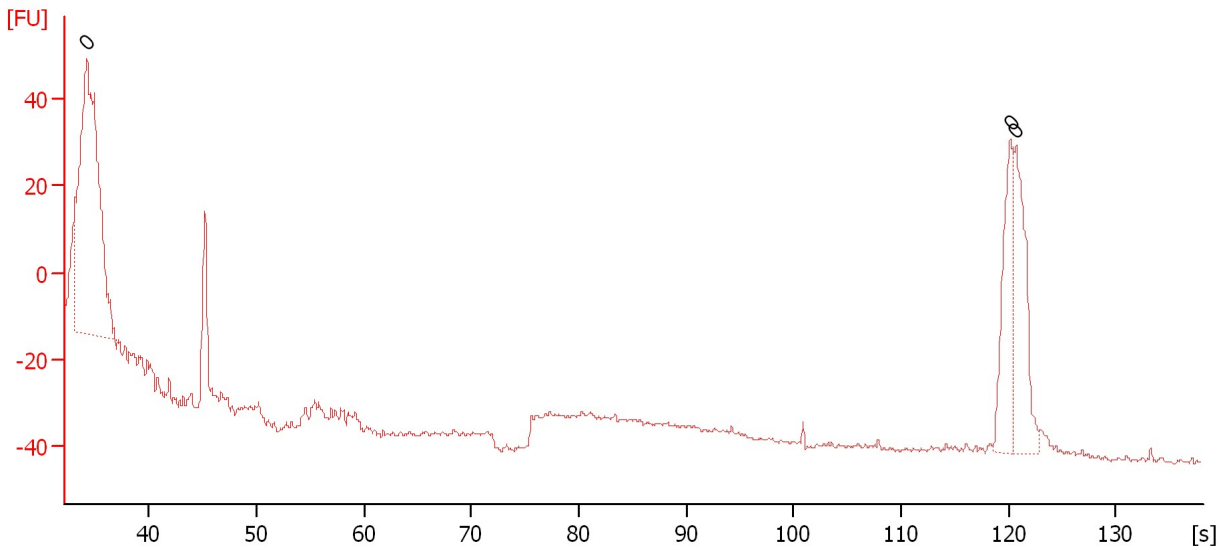
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	352	836.8	37,851.8	7,302.94	95	52.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

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Electropherogram Summary Continued ...

1F50



Overall Results for sample 4 : 1F50

Number of peaks found: 0 Noise: 0.6

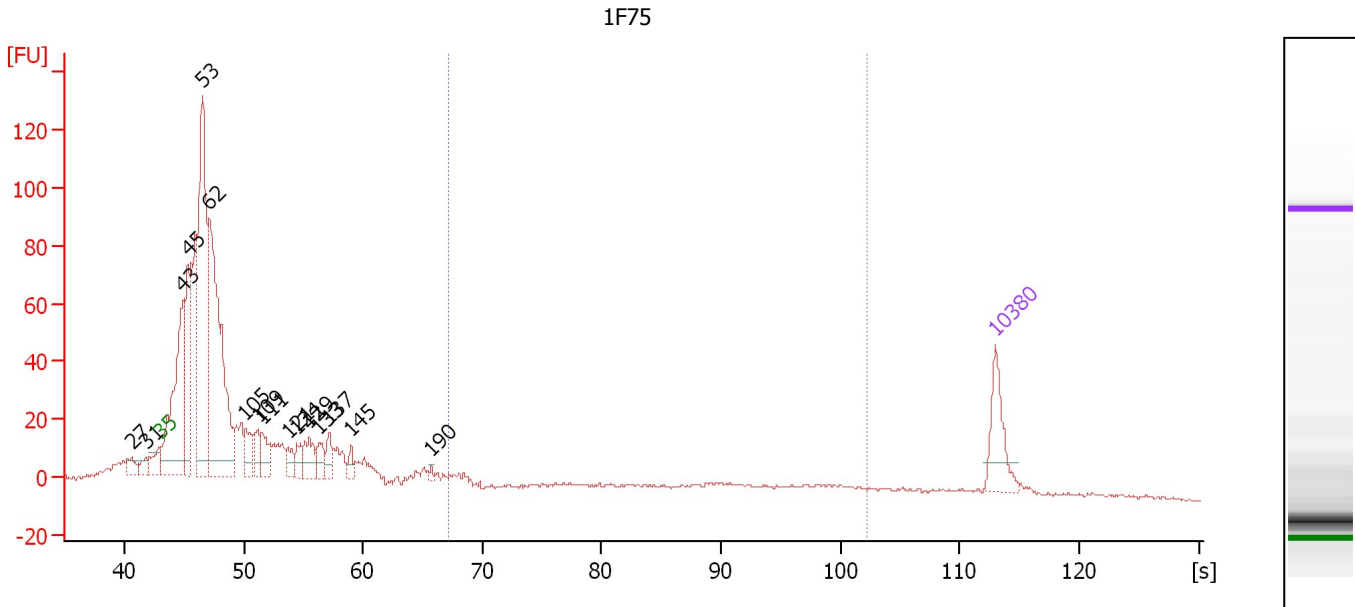
Peak table for sample 4 : 1F50

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		34.20
2	0	0.00	0.0		120.20
3	0	0.00	0.0		120.70

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 1F75

Number of peaks found: 16 Corr. Area 1: 65.4
 Noise: 0.6

Peak table for sample 5 : 1F75

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	27	0.00	0.0		40.62
2	31	0.00	0.0		41.83
3	35	125.00	5,411.3	Lower Marker	43.00
4	43	452.27	15,756.4		44.93
5	45	301.37	10,087.3		45.34
6	53	676.59	19,520.0		46.55
7	62	782.81	18,984.6		47.09
8	105	63.89	924.8		50.15
9	109	56.92	788.3		51.19
10	111	70.12	955.1		51.59
11	121	40.51	506.8		53.75
12	124	40.92	498.4		54.47
13	129	70.67	829.4		55.51
14	133	47.58	542.0		56.36
15	137	48.61	538.8		57.17
16	145	24.70	257.9		59.02
17	190	7.56	60.4		65.72
18	10,380	75.00	10.9	Upper Marker	113.00

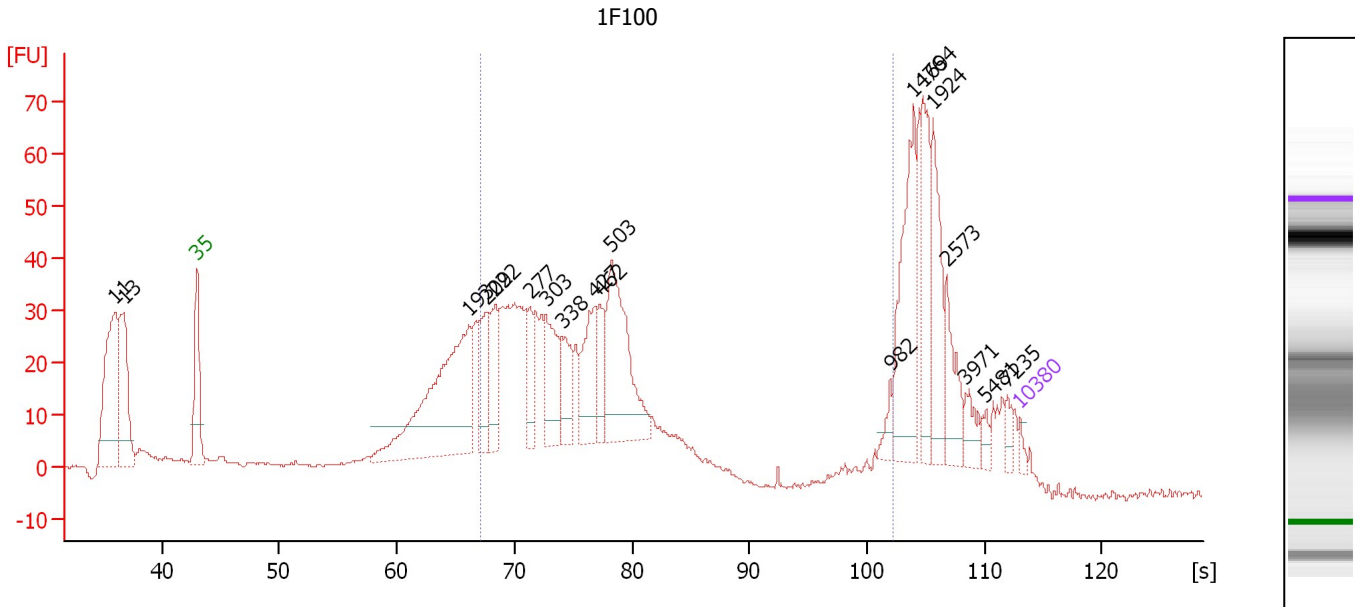
Region table for sample 5 : 1F75

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	550	65.4	455.8	128.92	5	30.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : 1F100

Number of peaks found: 19 Corr. Area 1: 686.5
 Noise: 0.4

Peak table for sample 6 : 1F100

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	11	0.00	0.0		36.01
2	13	0.00	0.0		36.74
3	35	125.00	5,411.3	Lower Marker	43.00
4	193	4,691.17	36,893.3		66.12
5	209	1,000.38	7,263.9		67.63
6	222	1,014.68	6,920.5		68.36
7	277	638.48	3,493.2		71.33
8	303	1,276.96	6,383.3		72.70
9	338	688.88	3,084.8		74.07
10	427	1,064.70	3,782.0		76.81
11	462	570.13	1,870.6		77.27
12	503	2,244.80	6,766.1		78.27
13	982	184.02	283.9		101.99
14	1,476	1,739.90	1,786.1		103.95
15	1,694	1,045.84	935.4		104.78
16	1,924	1,018.35	801.9		105.64
17	2,573	636.29	374.6		106.74
18	3,971	290.00	110.6		108.43
19	5,481	130.88	36.2		110.12
20	7,235	145.44	30.5		111.90
21	10,380	75.00	10.9	Upper Marker	113.00

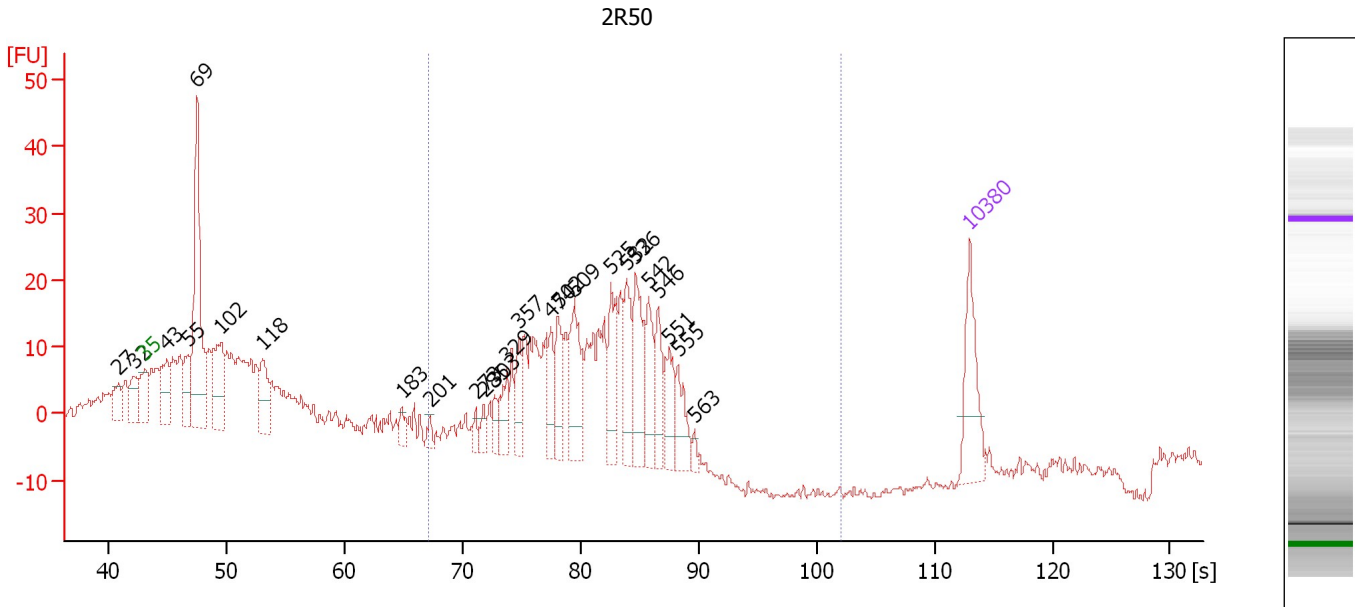
Region table for sample 6 : 1F100

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	402	686.5	81,406.7	17,920.32	44	39.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

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 Modified: 8/11/2016 11:13:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 2R50

Number of peaks found: 25 Corr. Area 1: 311.1
 Noise: 0.6

Peak table for sample 7 : 2R50

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	27	0.00	0.0		40.77
2	32	0.00	0.0		42.09
3	35	125.00	5,411.3	Lower Marker	43.00
4	43	85.74	2,993.5		44.91
5	55	70.60	1,944.6		46.69
6	69	320.00	6,997.4		47.46
7	102	123.23	1,835.0		49.51
8	118	76.35	982.4		53.02
9	183	19.66	162.4		64.82
10	201	12.90	97.1		67.23
11	273	14.32	79.6		71.10
12	285	17.88	95.0		71.78
13	303	25.24	126.2		72.69
14	329	39.55	182.3		73.70
15	357	40.86	173.5		74.79
16	474	44.19	141.2		77.43
17	502	57.85	174.7		78.07
18	509	93.86	279.5		79.43
19	525	76.88	221.7		82.58
20	532	71.63	203.9		83.90
21	536	89.68	253.3		84.67
22	542	68.32	190.8		85.81
23	546	50.42	139.8		86.58
24	551	53.17	146.2		87.45
25	555	48.34	131.9		88.27

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

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Electropherogram Summary Continued ...**... Peak table for sample 7 : 2R50**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	563	8.80	23.7		89.64
27	10,380	75.00	10.9	Upper Marker	113.00

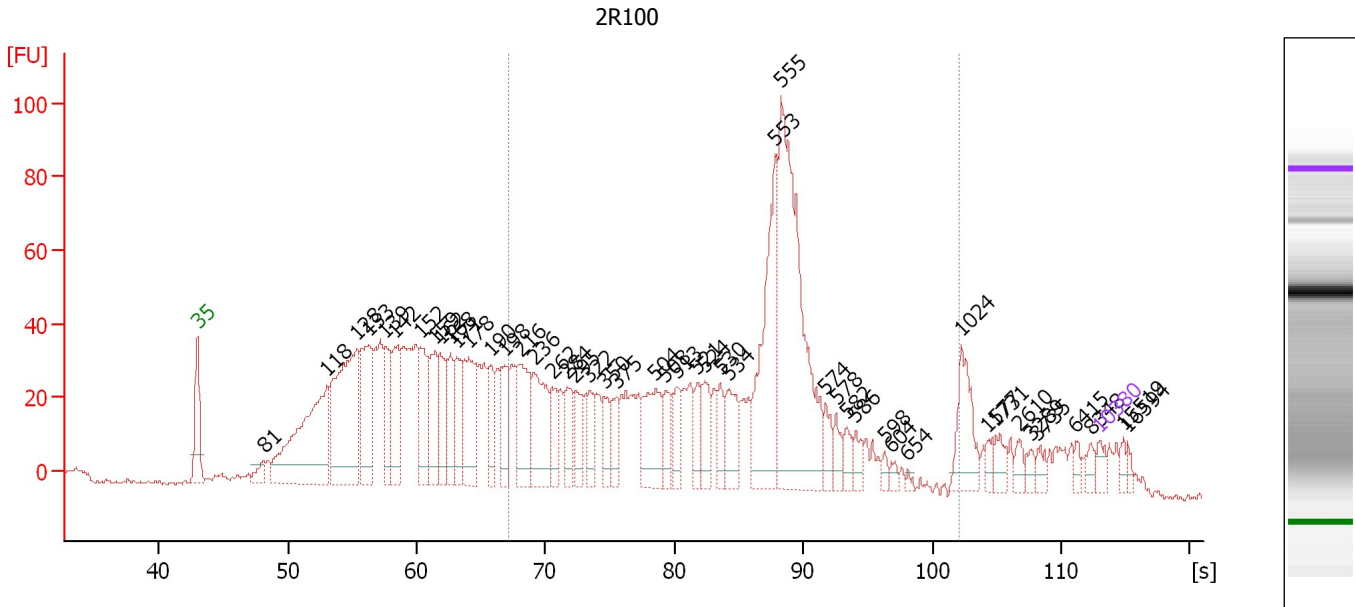
Region table for sample 7 : 2R50

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	491	311.1	2,901.5	900.40	46	14.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : 2R100

Number of peaks found: 48 Corr. Area 1: 1,184.0
 Noise: 0.7

Peak table for sample 8 : 2R100

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	81	152.80	2,840.7		48.13
3	118	2,137.31	27,477.3		53.04
4	128	2,089.40	24,672.6		55.33
5	133	1,076.71	12,295.3		56.29
6	139	578.73	6,327.7		57.58
7	142	690.80	7,381.0		58.29
8	152	608.95	6,080.5		60.33
9	159	646.09	6,152.8		61.38
10	162	555.20	5,191.0		61.79
11	168	439.09	3,961.3		62.63
12	171	494.39	4,375.8		63.08
13	178	787.66	6,706.1		64.04
14	190	369.48	2,945.8		65.75
15	198	445.80	3,416.5		66.83
16	216	686.91	4,811.8		68.04
17	236	767.88	4,940.1		69.08
18	262	299.09	1,732.0		70.50
19	284	324.81	1,733.3		71.71
20	295	288.19	1,477.9		72.33
21	322	240.59	1,133.7		73.42
22	350	245.41	1,061.0		74.54
23	375	234.92	948.9		75.50
24	504	575.87	1,730.9		78.54
25	508	216.23	644.6		79.33

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : 2R100

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	513	235.25	695.0		80.21
27	521	193.51	562.7		81.75
28	524	264.80	765.2		82.38
29	530	207.17	591.8		83.54
30	534	326.40	925.8		84.25
31	553	1,256.59	3,443.8		87.79
32	555	2,428.97	6,625.3		88.29
33	574	161.33	426.1		91.75
34	578	134.08	351.5		92.54
35	582	121.67	316.6		93.38
36	586	115.21	297.9		94.08
37	598	50.55	128.1		96.33
38	604	51.65	129.6		96.83
39	654	23.88	55.4		98.13
40	1,024	430.01	636.1		102.25
41	1,577	57.85	55.6		104.33
42	1,731	126.51	110.7		104.92
43	2,610	72.74	42.2		106.79
44	3,289	61.03	28.1		107.67
45	3,735	70.91	28.8		108.17
46	6,415	54.27	12.8		111.17
47	8,348	61.66	11.2		112.29
48	10,380	75.00	10.9	Upper Marker	113.00
49	15,519	0.00	0.0		114.79
50	16,594	0.00	0.0		115.17

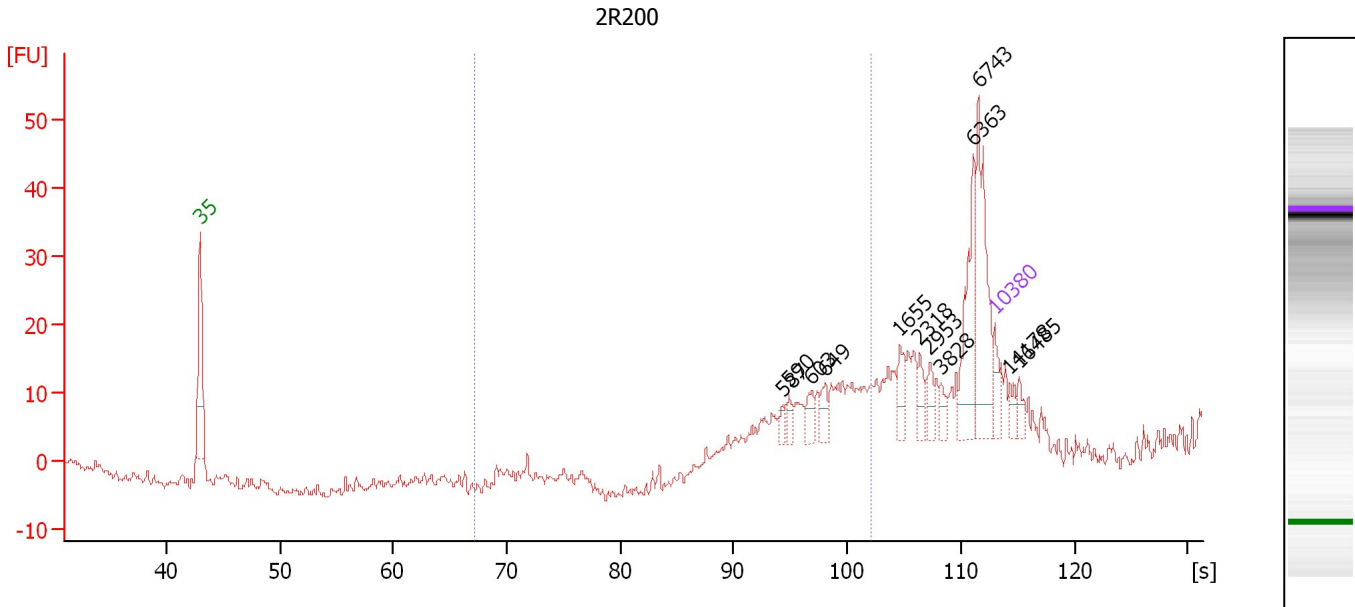
Region table for sample 8 : 2R100

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	481	1,184.0	44,638.0	11,906.42	50	27.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : 2R200

Number of peaks found: 12 Corr. Area 1: 82.4
 Noise: 0.9

Peak table for sample 9 : 2R200

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	587	39.64	102.3		94.32
3	590	48.47	124.4		94.89
4	603	72.98	183.3		96.82
5	649	73.42	171.4		98.01
6	1,655	95.80	87.7		104.63
7	2,318	69.94	45.7		106.38
8	2,953	64.32	33.0		107.28
9	3,828	49.63	19.6		108.27
10	6,363	324.09	77.2		111.11
11	6,743	462.69	104.0		111.53
12	10,380	75.00	10.9	Upper Marker	113.00
13	14,178	0.00	0.0		114.32
14	16,485	0.00	0.0		115.13

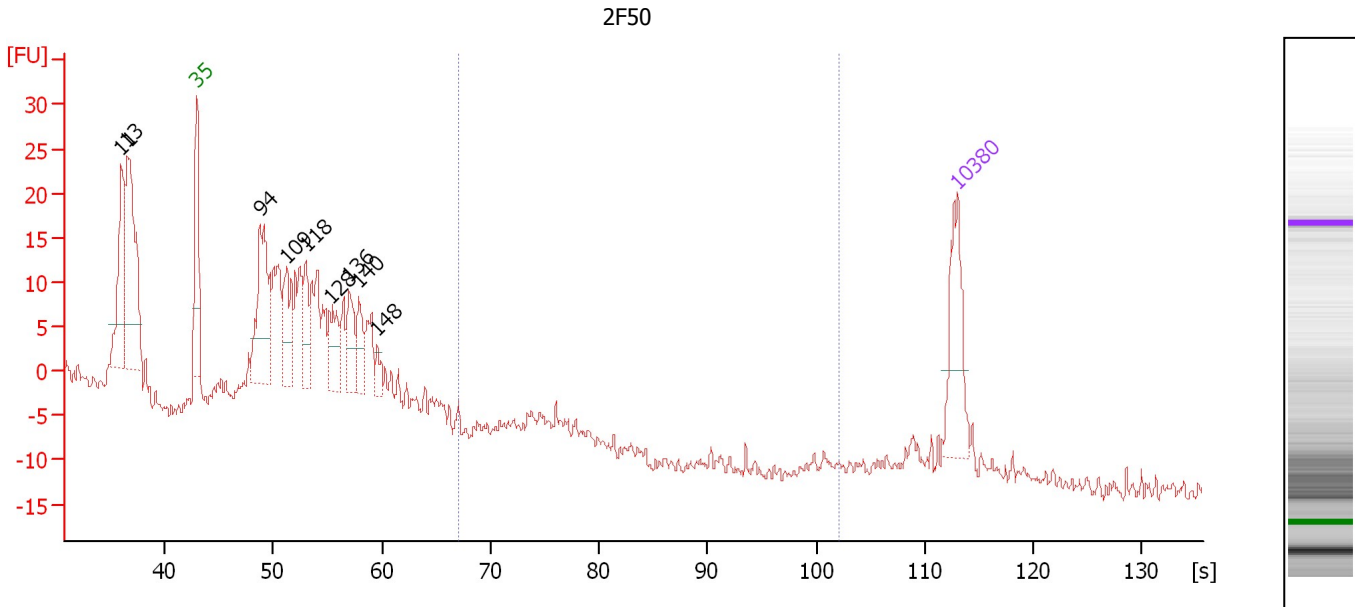
Region table for sample 9 : 2R200

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	686	82.4	2,259.8	991.55	31	18.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : 2F50

Number of peaks found: 9 Corr. Area 1: 3.6
 Noise: 1.0

Peak table for sample 10 : 2F50

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	11	0.00	0.0		36.03
2	13	0.00	0.0		36.57
3	35	125.00	5,411.3	Lower Marker	43.00
4	94	193.84	3,136.1		48.78
5	109	88.44	1,226.4		51.16
6	118	65.06	836.6		53.04
7	128	71.21	844.6		55.21
8	136	63.36	705.3		57.04
9	140	49.22	532.9		57.88
10	148	20.01	205.1		59.61
11	10,380	75.00	10.9	Upper Marker	113.00

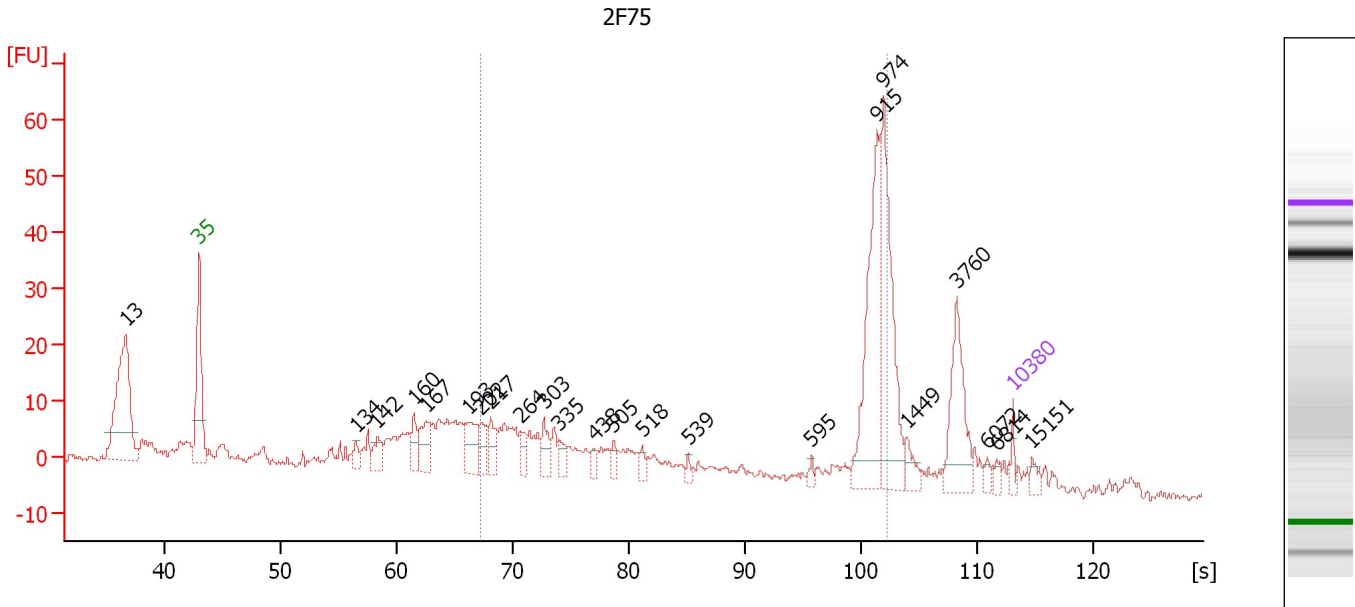
Region table for sample 10 : 2F50

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	395	3.6	47.1	11.58	1	27.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : 2F75

Number of peaks found: 23 Corr. Area 1: 270.9
 Noise: 0.7

Peak table for sample 11 : 2F75

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	13	0.00	0.0		36.67
2	35	125.00	5,411.3	Lower Marker	43.00
3	134	149.71	1,697.9		56.49
4	142	290.17	3,095.6		58.34
5	160	295.60	2,796.0		61.53
6	167	448.84	4,063.1		62.54
7	193	473.25	3,718.0		66.15
8	202	301.66	2,264.6		67.26
9	217	308.47	2,152.1		68.09
10	264	188.23	1,080.1		70.63
11	303	266.28	1,330.0		72.71
12	335	160.70	725.9		73.96
13	438	103.44	357.8		76.96
14	505	105.99	318.1		78.67
15	518	88.43	258.7		81.17
16	539	53.02	149.2		85.09
17	595	59.64	152.0		95.72
18	915	1,683.61	2,788.0		101.36
19	974	1,518.41	2,362.6		101.91
20	1,449	160.91	168.3		103.85
21	3,760	753.98	303.8		108.19
22	6,072	57.64	14.4		110.78
23	6,814	59.41	13.2		111.61
24	10,380	75.00	10.9	Upper Marker	113.00
25	15,151	0.00	0.0		114.66

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
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Electropherogram Summary Continued ...

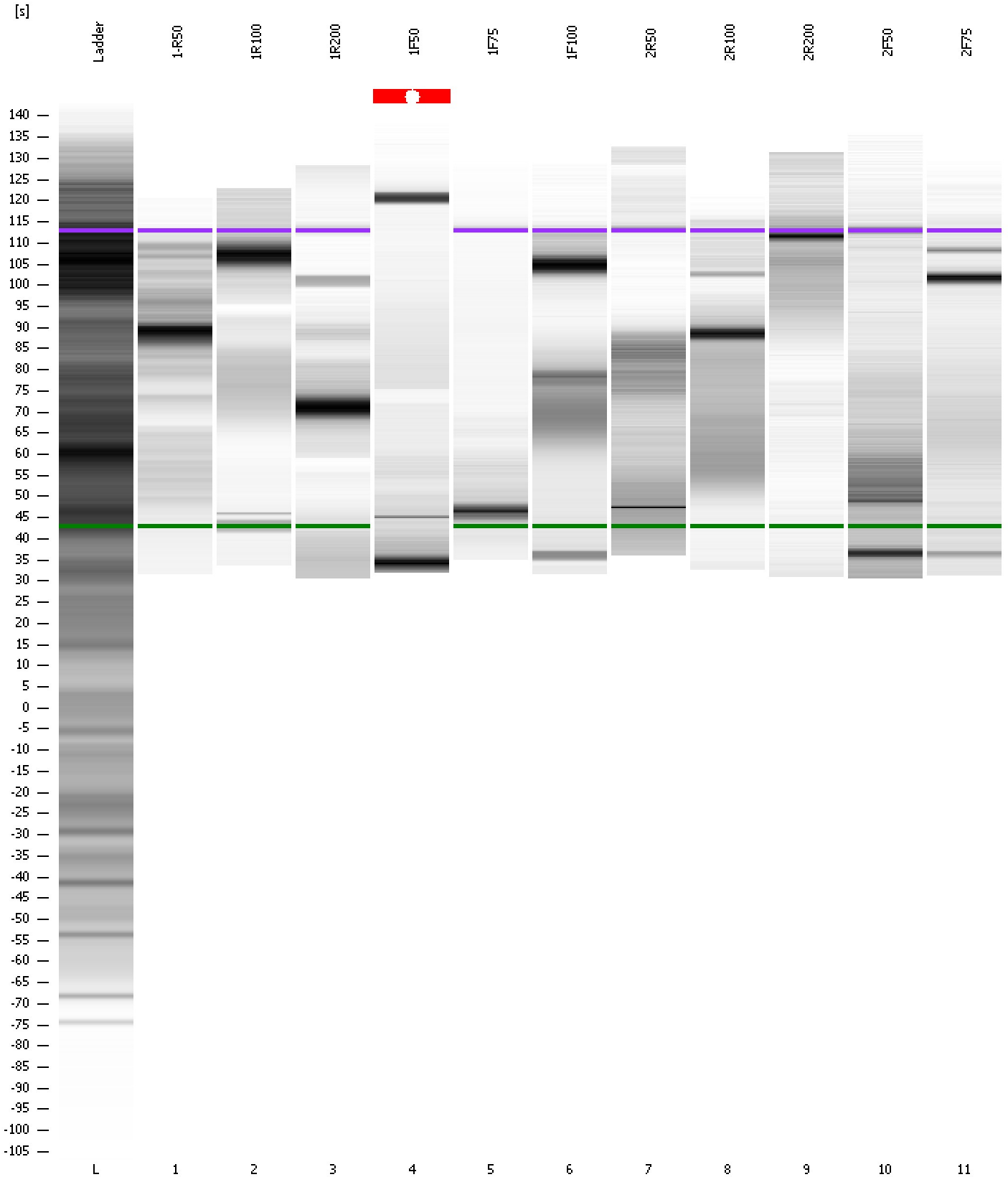
... Region table for sample 11 : 2F75

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	638	270.9	22,600.0	6,449.16	41	42.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

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Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad

Created: 8/11/2016 10:32:09 AM
 Modified: 8/11/2016 11:13:27 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		8/11/2016 11:13:26 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-08-11\2016-08-11_001.xad)		Instrument	Run		8/11/2016 10:32:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/11/2016 10:32:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/11/2016 10:32:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/11/2016 10:32:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/11/2016 10:32:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/11/2016 10:32:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/11/2016 10:32:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1