

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-10\2017-10-10_001.xad

Created: 10/10/2017 3:23:19 PM
Modified: 10/10/2017 3:56:06 PM

Electrophoresis File Run Summary

Instrument Information:

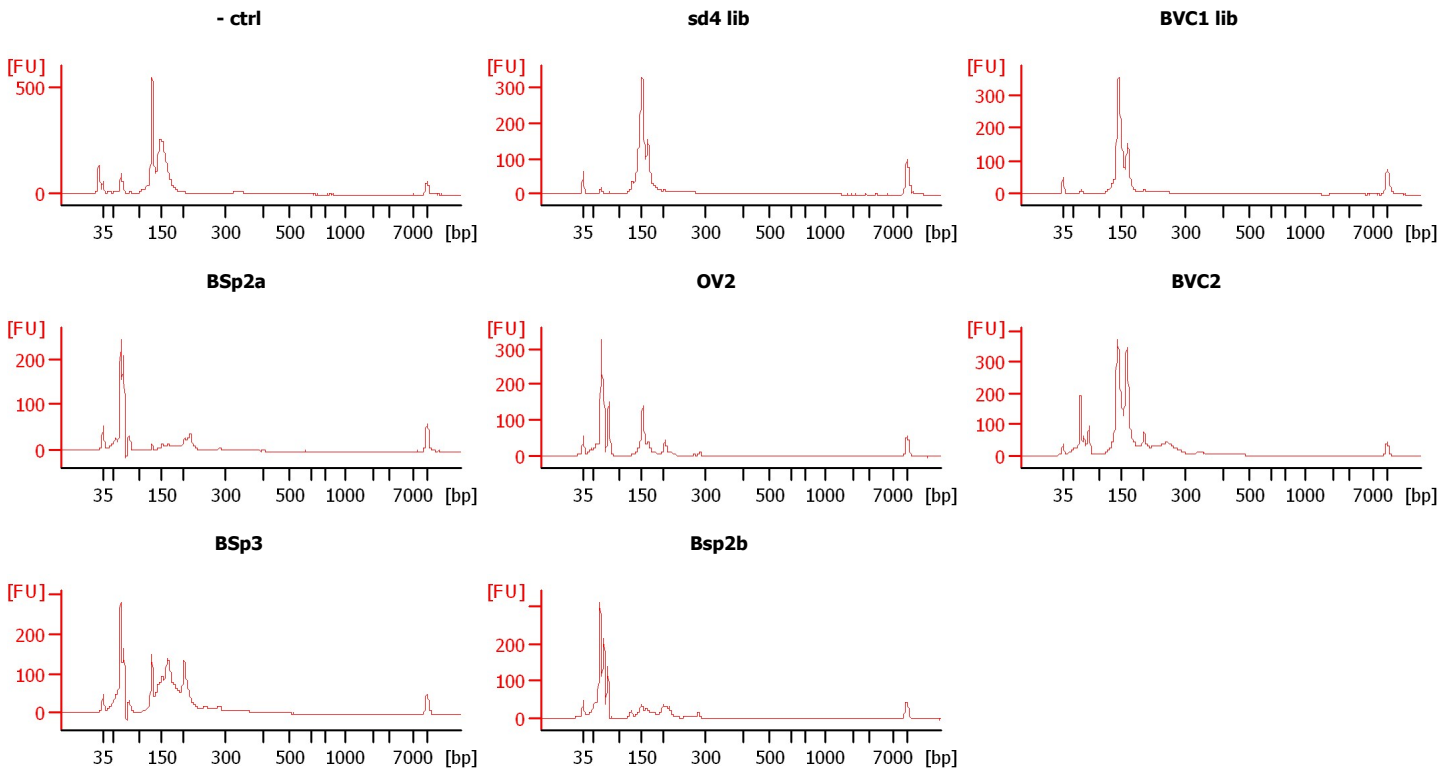
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
- ctrl		<input type="checkbox"/>	✓			
sd4 lib		<input type="checkbox"/>	✓			
BVC1 lib		<input type="checkbox"/>	✓			
BSp2a		<input type="checkbox"/>	✓			
OV2		<input type="checkbox"/>	✓			
BVC2		<input type="checkbox"/>	✓			
BSp3		<input type="checkbox"/>	✓			
Bsp2b		<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 :

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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

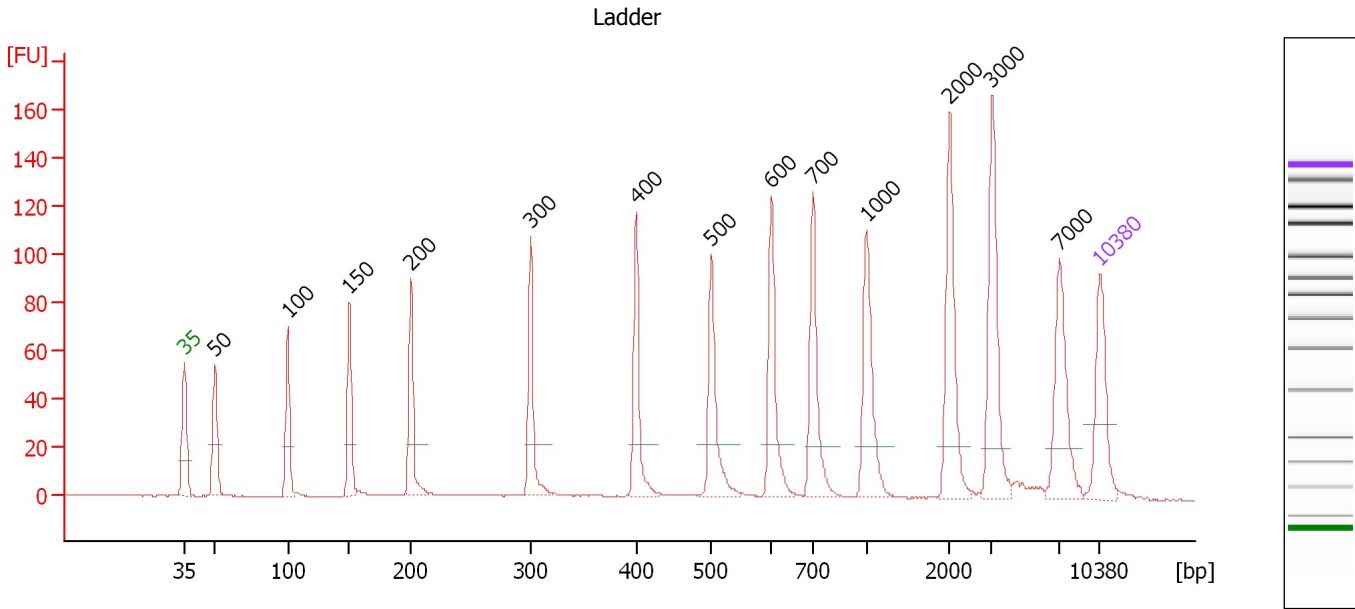
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

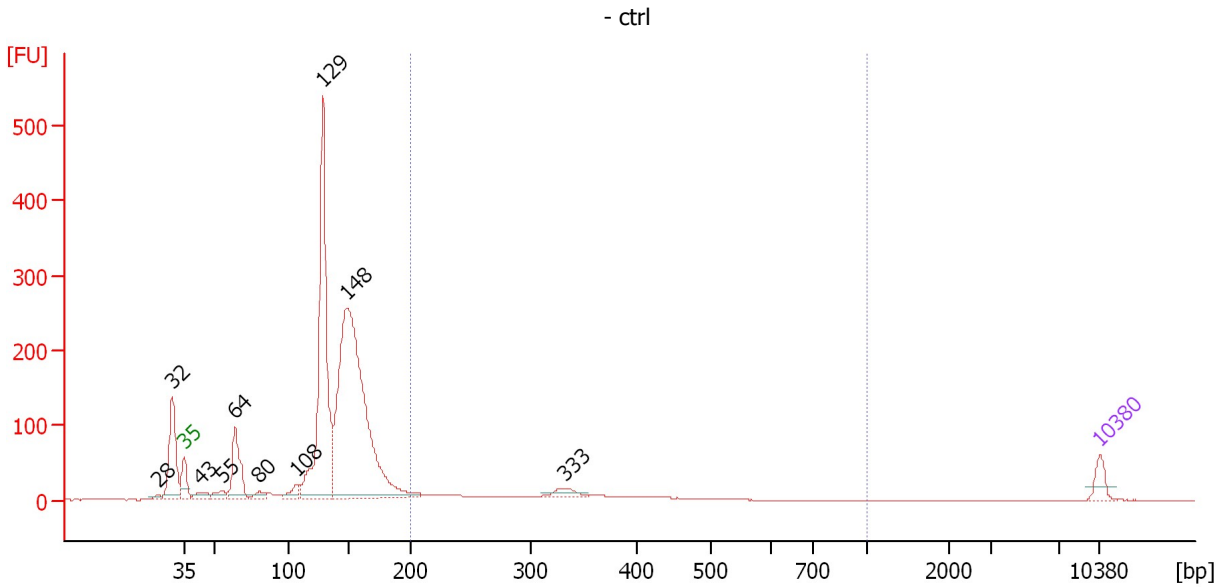
Peak table for Ladder

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	50.88
4	150	150.00	1,515.2	Ladder Peak	55.61
5	200	150.00	1,136.4	Ladder Peak	60.33
6	300	150.00	757.6	Ladder Peak	69.45
7	400	150.00	568.2	Ladder Peak	77.52
8	500	150.00	454.5	Ladder Peak	83.30
9	600	150.00	378.8	Ladder Peak	87.88
10	700	150.00	324.7	Ladder Peak	91.04
11	1,000	150.00	227.3	Ladder Peak	95.14
12	2,000	150.00	113.6	Ladder Peak	101.49
13	3,000	150.00	75.8	Ladder Peak	104.74
14	7,000	150.00	32.5	Ladder Peak	109.90
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : - ctrl

Number of peaks found: 10 Corr. Area 1: 213.8
 Noise: 0.2

Peak table for sample 1 : - ctrl

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	28	0.00	0.0		40.94
2	32	0.00	0.0		42.09
3	35	125.00	5,411.3	Lower Marker	43.00
4	43	84.81	3,010.7		44.20
5	55	78.97	2,165.1		45.92
6	64	459.43	10,891.6		46.88
7	80	58.16	1,096.7		48.70
8	108	89.03	1,250.3		51.62
9	129	2,221.31	26,158.0		53.59
10	148	3,368.31	34,383.4		55.46
11	333	70.11	319.4		72.08
12	10,380	75.00	10.9	Upper Marker	113.00

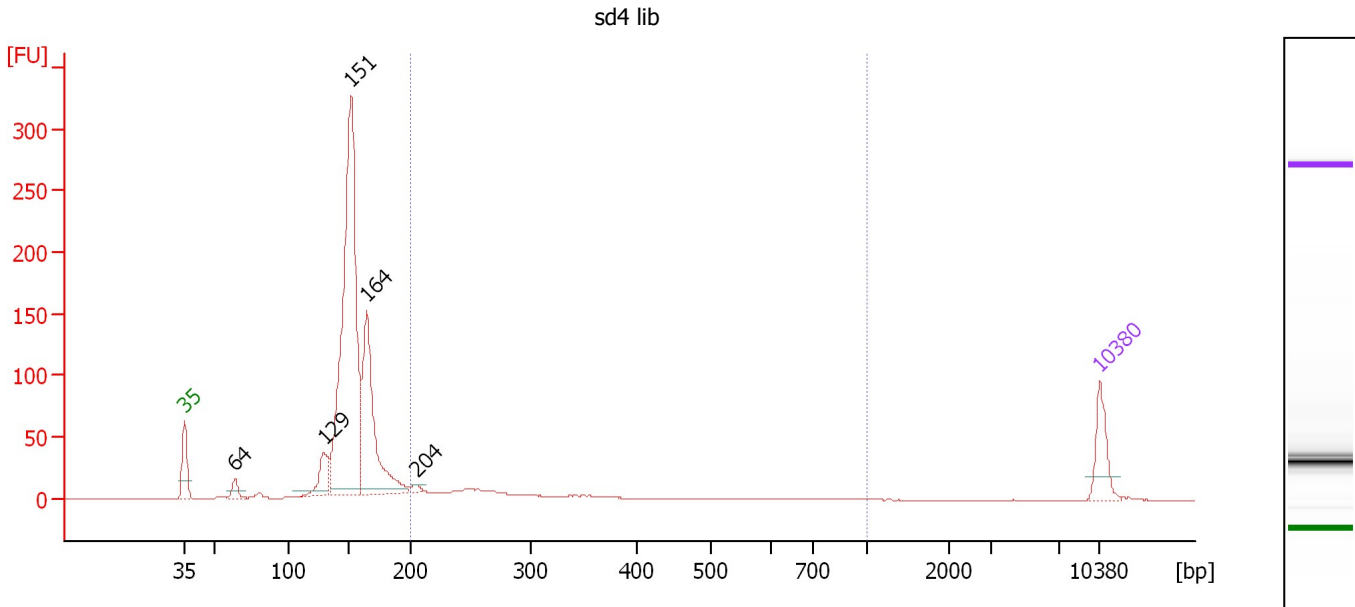
Region table for sample 1 : - ctrl

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	329	213.8	2,634.6	520.08	8	27.7

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Electropherogram Summary Continued ...



Overall Results for sample 2 : sd4 lib

Number of peaks found: 5 Corr. Area 1: 144.8
 Noise: 0.2

Peak table for sample 2 : sd4 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	64	33.93	806.8		46.86
3	129	107.66	1,260.3		53.66
4	151	1,271.55	12,726.9		55.74
5	164	491.15	4,533.8		56.94
6	204	13.10	97.3		60.71
7	10,380	75.00	10.9	Upper Marker	113.00

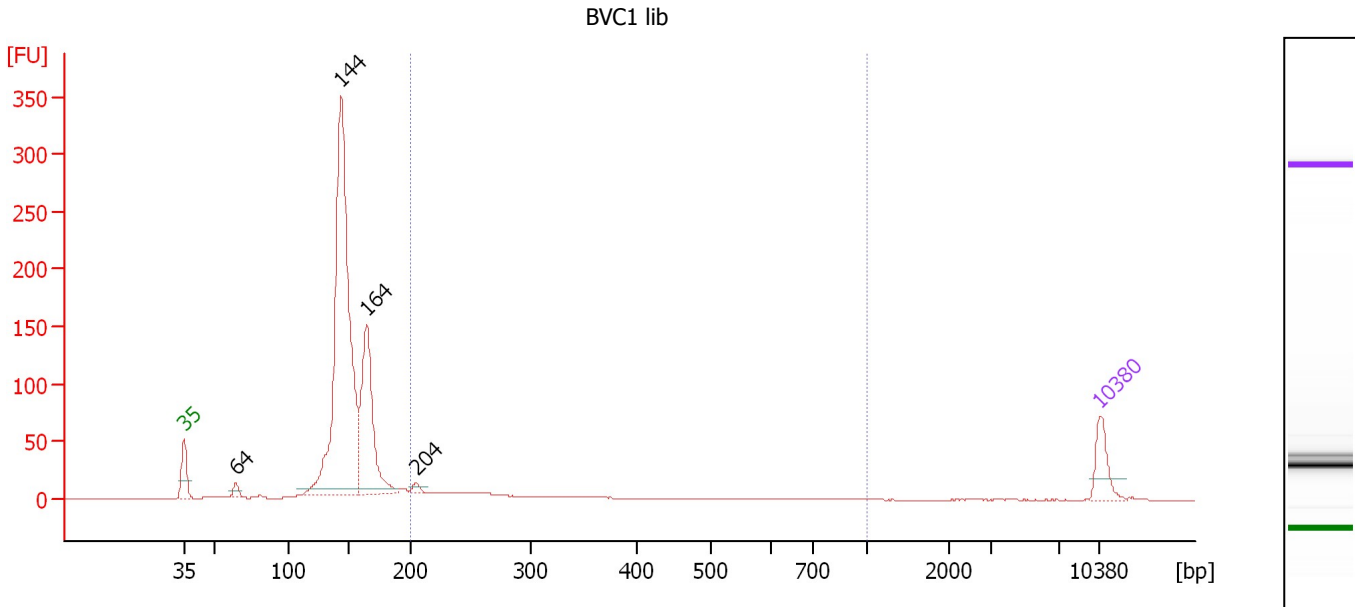
Region table for sample 2 : sd4 lib

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	329	144.8	1,194.4	218.62	11	45.9

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Electropherogram Summary Continued ...



Overall Results for sample 3 : BVC1 lib

Number of peaks found: 4 Corr. Area 1: 106.6
 Noise: 0.1

Peak table for sample 3 : BVC1 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	64	29.77	700.3		46.94
3	144	1,775.27	18,728.3		55.00
4	164	558.17	5,159.5		56.92
5	204	19.69	146.2		60.71
6	10,380	75.00	10.9	Upper Marker	113.00

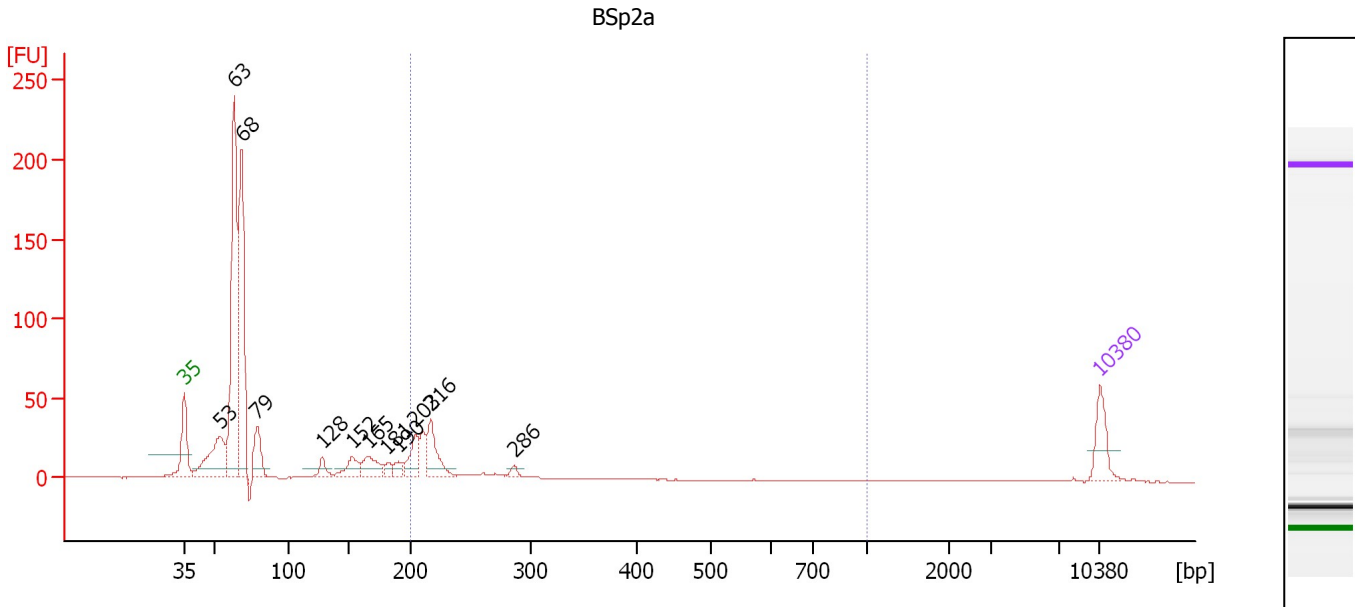
Region table for sample 3 : BVC1 lib

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	299	106.6	1,100.6	192.09	8	40.2

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



Overall Results for sample 4 : BSp2a

Number of peaks found: 12 Corr. Area 1: 143.2
 Noise: 0.1

Peak table for sample 4 : BSp2a

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	53	277.89	7,890.9		45.71
3	63	854.11	20,434.2		46.82
4	68	634.21	14,065.7		47.37
5	79	130.19	2,490.7		48.57
6	128	47.35	559.6		53.55
7	152	81.45	811.3		55.80
8	165	98.14	899.1		57.06
9	181	27.53	230.8		58.52
10	190	32.02	255.6		59.37
11	203	97.12	724.1		60.63
12	216	138.12	967.0		61.83
13	286	18.24	96.5		68.21
14	10,380	75.00	10.9	Upper Marker	113.00

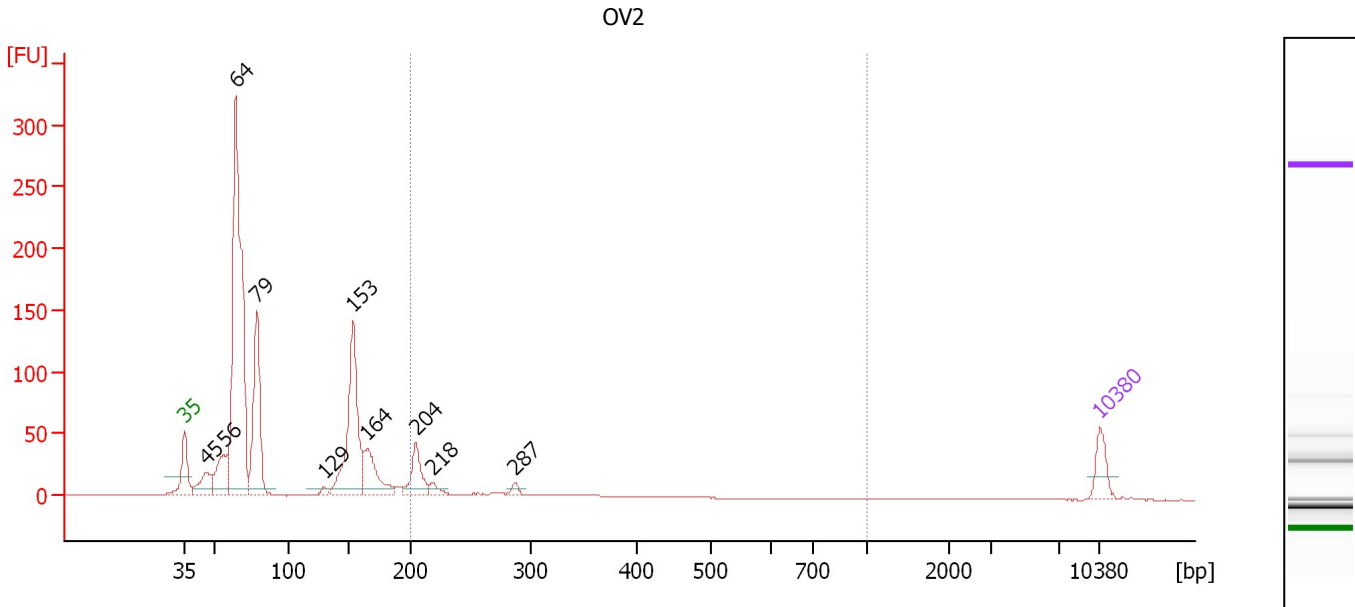
Region table for sample 4 : BSp2a

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	235	143.2	2,544.0	385.76	16	19.3

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Electropherogram Summary Continued ...



Overall Results for sample 5 : OV2

Number of peaks found: 10 Corr. Area 1: 119.7
 Noise: 0.1

Peak table for sample 5 : OV2

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	45	148.36	4,944.9		44.63
3	56	222.37	6,013.0		46.01
4	64	1,737.19	40,923.9		46.93
5	79	589.60	11,367.9		48.51
6	129	27.56	322.7		53.66
7	153	680.45	6,734.0		55.90
8	164	235.12	2,166.6		56.97
9	204	164.96	1,225.6		60.69
10	218	31.08	216.1		61.97
11	287	22.54	118.9		68.29
12	10,380	75.00	10.9	Upper Marker	113.00

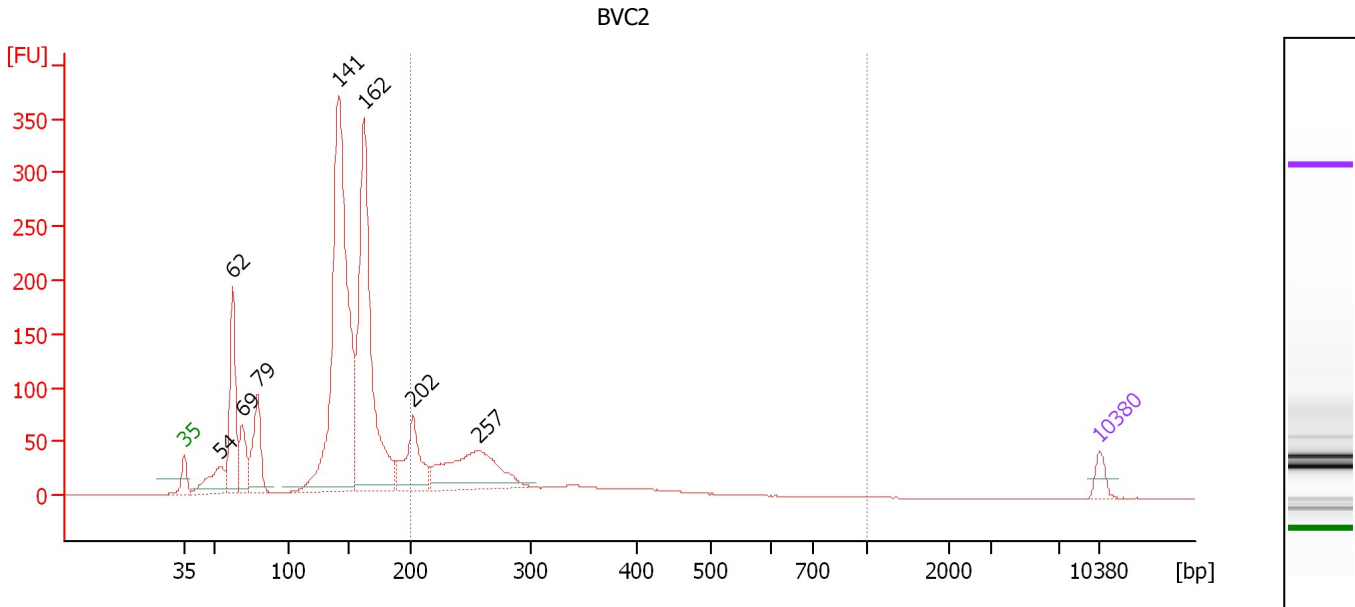
Region table for sample 5 : OV2

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	251	119.7	2,016.8	319.37	9	24.6

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Electropherogram Summary Continued ...



Overall Results for sample 6 : BVC2

Number of peaks found: 8 Corr. Area 1: 617.7
 Noise: 0.1

Peak table for sample 6 : BVC2

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	54	355.50	10,036.4		45.75
3	62	920.92	22,473.5		46.68
4	69	313.20	6,913.9		47.40
5	79	556.90	10,627.8		48.60
6	141	3,708.37	39,828.8		54.76
7	162	2,621.97	24,538.2		56.73
8	202	536.66	4,025.9		60.51
9	257	886.32	5,235.2		65.49
10	10,380	75.00	10.9	Upper Marker	113.00

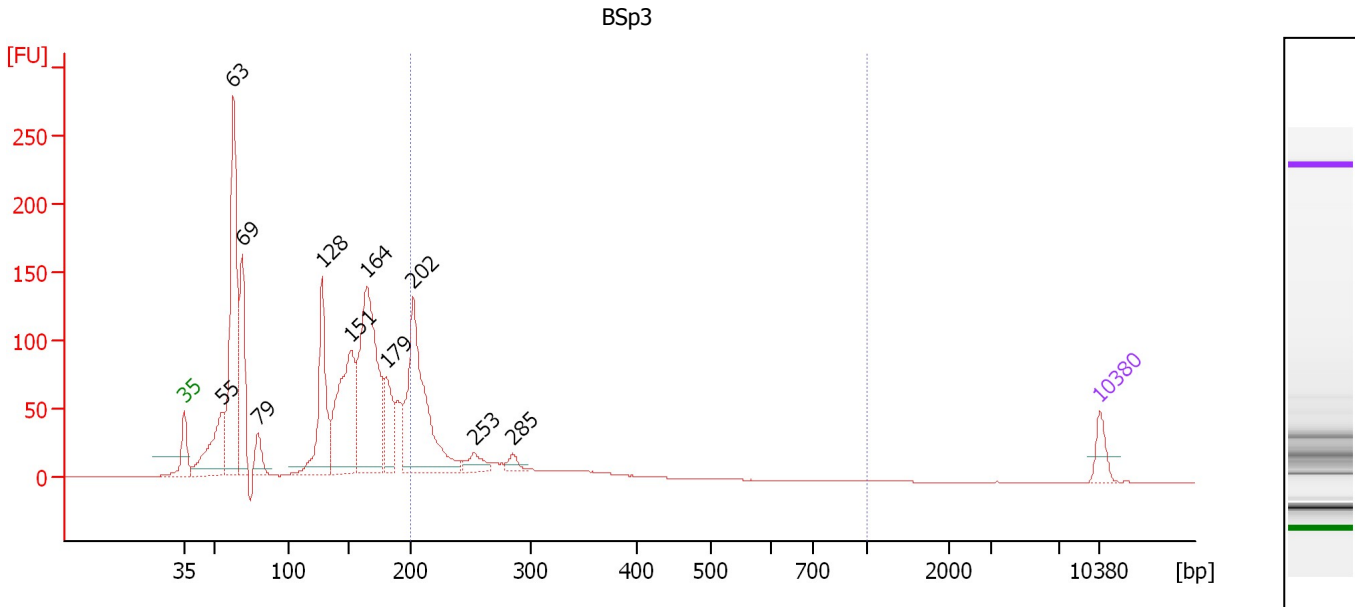
Region table for sample 6 : BVC2

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	617.7	11,770.0	2,073.37	21	35.2

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Electropherogram Summary Continued ...



Overall Results for sample 7 : BSp3

Number of peaks found: 11 Corr. Area 1: 473.2
 Noise: 0.1

Peak table for sample 7 : BSp3

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	55	510.70	14,056.2		45.90
3	63	1,307.16	31,606.3		46.74
4	69	604.09	13,294.3		47.43
5	79	141.68	2,706.5		48.59
6	128	659.57	7,830.9		53.49
7	151	879.11	8,819.2		55.70
8	164	1,297.65	11,958.5		56.97
9	179	323.78	2,733.5		58.39
10	202	1,071.02	8,040.1		60.50
11	253	97.58	585.1		65.14
12	285	52.89	281.1		68.09
13	10,380	75.00	10.9	Upper Marker	113.00

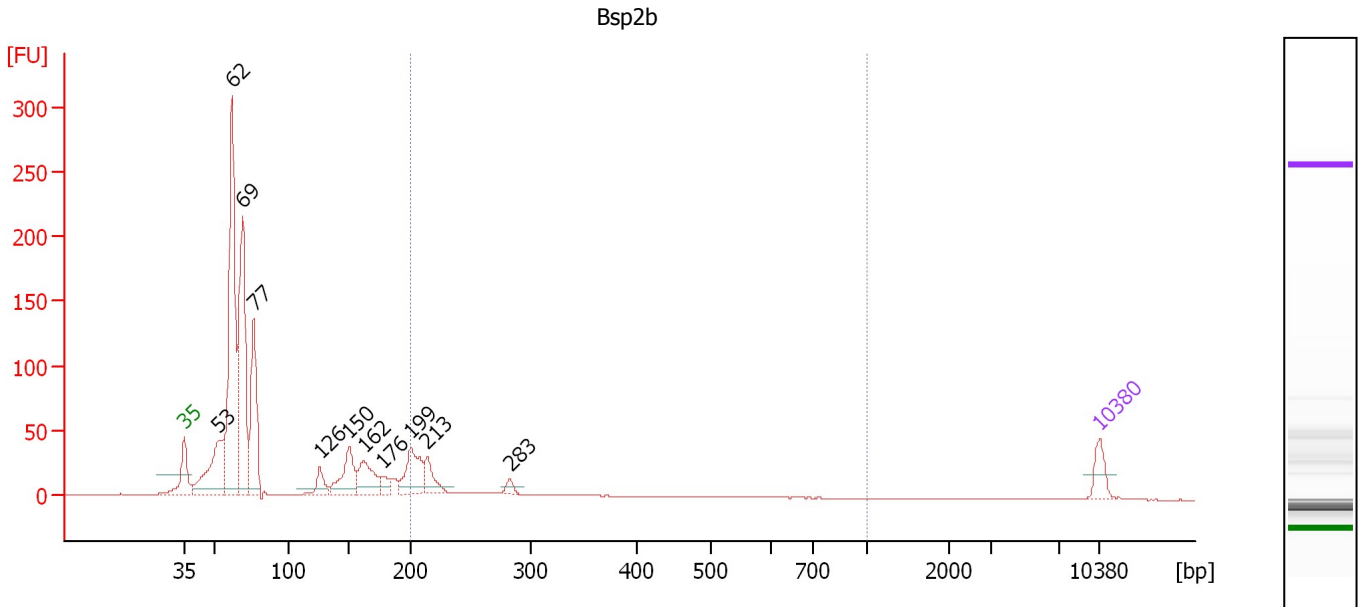
Region table for sample 7 : BSp3

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	260	473.2	9,346.2	1,493.87	21	30.9

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Electropherogram Summary Continued ...



Overall Results for sample 8 : Bsp2b

Number of peaks found: 11 Corr. Area 1: 137.5
 Noise: 0.1

Peak table for sample 8 : Bsp2b

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	53	504.87	14,468.7		45.66
3	62	1,497.98	36,901.7		46.61
4	69	991.55	21,867.4		47.41
5	77	555.36	10,948.0		48.32
6	126	103.66	1,243.6		53.36
7	150	262.04	2,648.5		55.60
8	162	226.55	2,122.6		56.71
9	176	61.75	530.6		58.09
10	199	264.91	2,013.1		60.27
11	213	136.65	970.5		61.55
12	283	35.14	188.3		67.87
13	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 8 : Bsp2b

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	240	137.5	3,069.4	470.50	11	23.1

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Gel Image

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Invalid Samples

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.