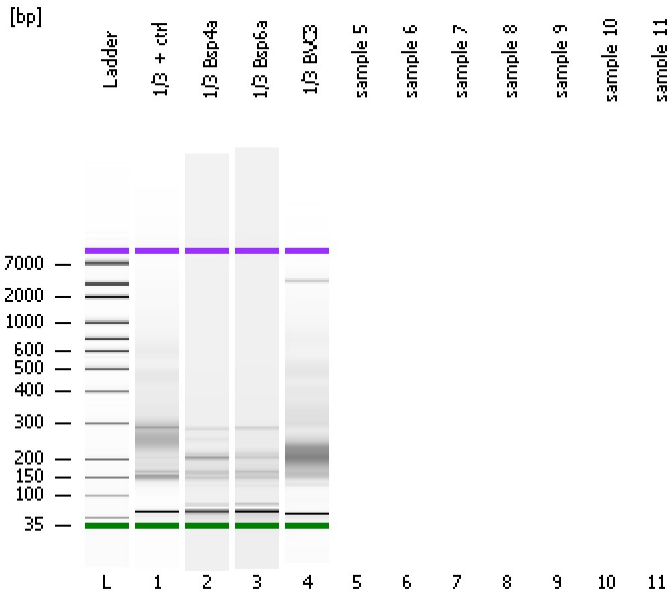


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-13\2018-02-13_004.xad

Created: 2/13/2018 3:15:53 PM
Modified: 2/13/2018 3:37:38 PM

Electrophoresis File Run Summary



Instrument Information:

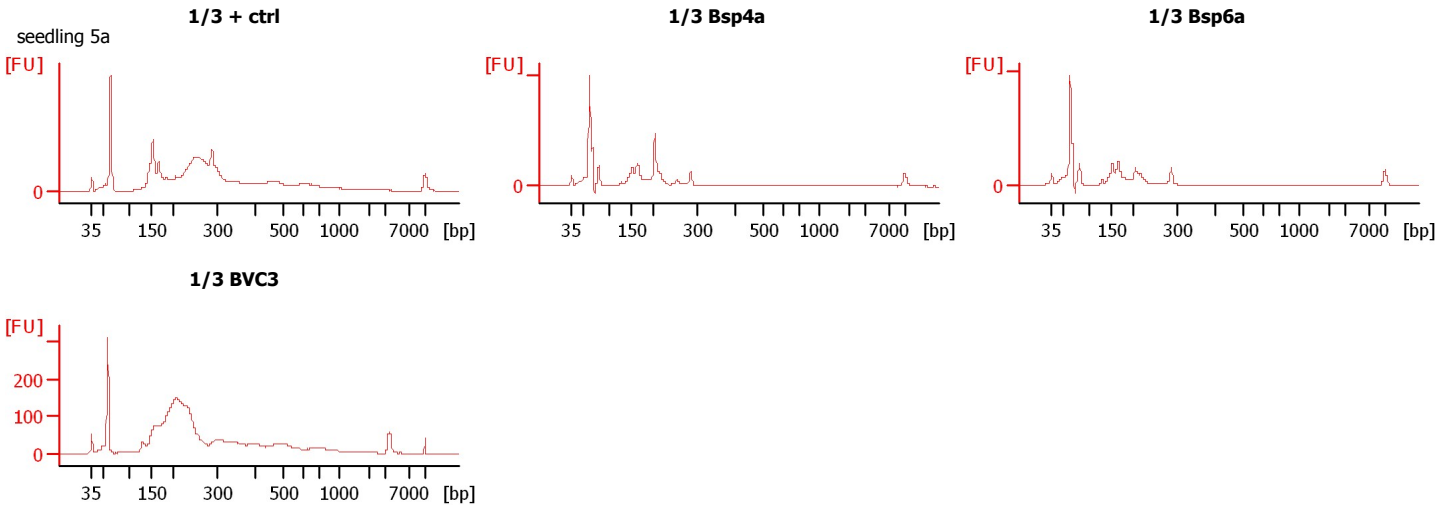
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2018-02-13\2018-02-13_004.xad

Created: 2/13/2018 3:15:53 PM
 Modified: 2/13/2018 3:37:38 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1/3 + ctrl	seedling 5a	<input type="checkbox"/>	✓			
1/3 Bsp4a		<input type="checkbox"/>	✓			
1/3 Bsp6a		<input type="checkbox"/>	✓			
1/3 BVC3		<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>				
sample 6		<input type="checkbox"/>				
sample 7		<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 #

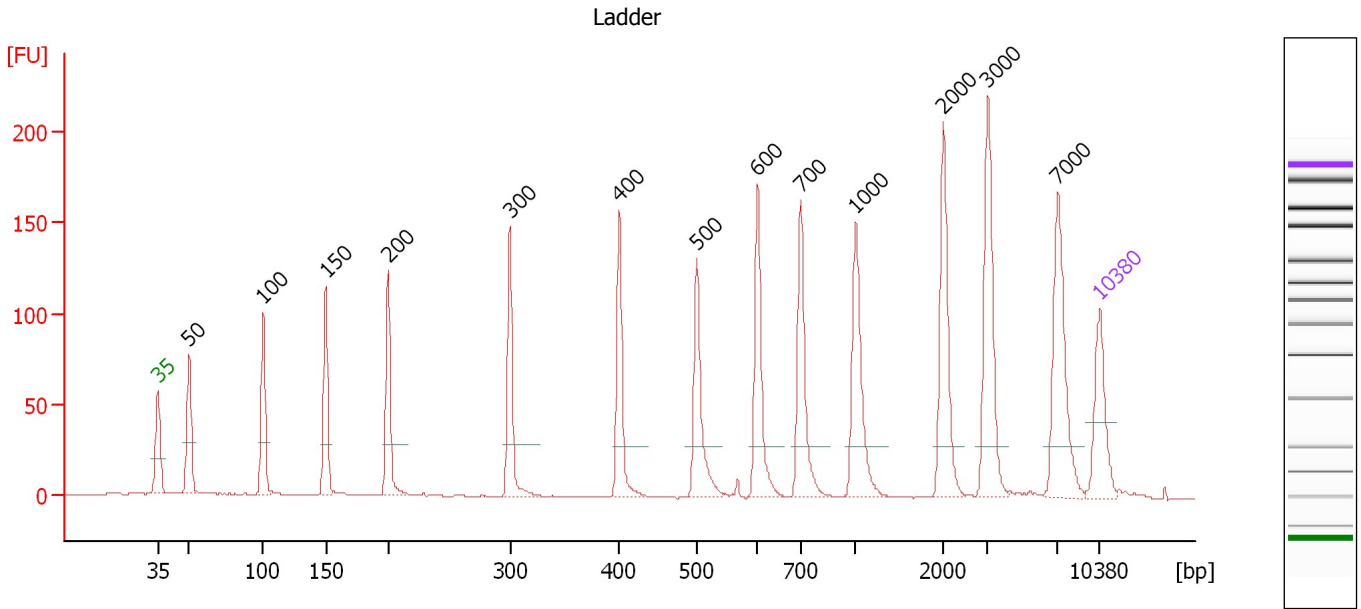
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-13\2018-02-13_004.xad

Created: 2/13/2018 3:15:53 PM
 Modified: 2/13/2018 3:37:38 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

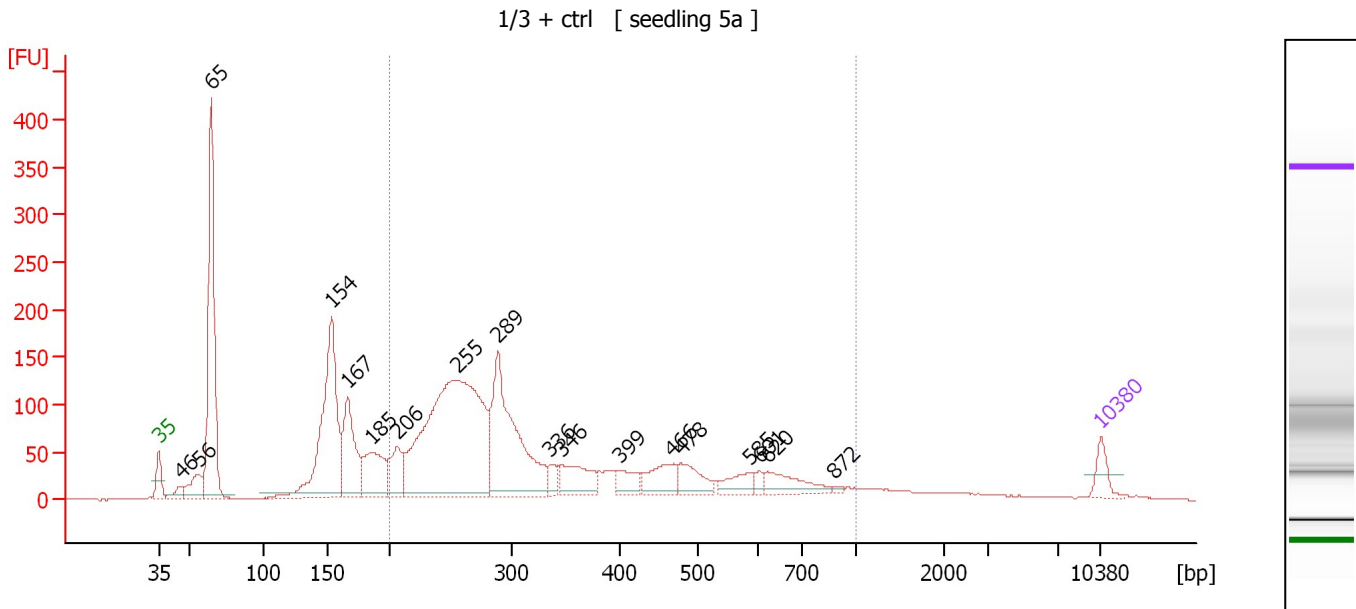
Peak table for Ladder

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	45.33
3	100	150.00	2,272.7	Ladder Peak	50.82
4	150	150.00	1,515.2	Ladder Peak	55.52
5	200	150.00	1,136.4	Ladder Peak	60.13
6	300	150.00	757.6	Ladder Peak	69.19
7	400	150.00	568.2	Ladder Peak	77.31
8	500	150.00	454.5	Ladder Peak	83.05
9	600	150.00	378.8	Ladder Peak	87.55
10	700	150.00	324.7	Ladder Peak	90.77
11	1,000	150.00	227.3	Ladder Peak	94.83
12	2,000	150.00	113.6	Ladder Peak	101.37
13	3,000	150.00	75.8	Ladder Peak	104.68
14	7,000	150.00	32.5	Ladder Peak	109.88
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-13\2018-02-13_004.xad

Created: 2/13/2018 3:15:53 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : 1/3 + ctrl

Number of peaks found: 18 Corr. Area 1: 2,359.0
 Noise: 0.3

Peak table for sample 1 : 1/3 + ctrl

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	72.41	2,403.9		44.65
3	56	180.42	4,870.5		46.00
4	65	1,275.35	29,833.9		46.95
5	154	1,176.49	11,610.3		55.85
6	167	499.06	4,539.7		57.05
7	185	350.53	2,870.4		58.75
8	206	226.68	1,664.8		60.70
9	255	2,139.19	12,689.3		65.15
10	289	1,014.32	5,316.1		68.20
11	336	65.37	294.9		72.10
12	346	234.23	1,024.7		72.95
13	399	107.63	408.4		77.25
14	466	179.50	583.6		81.10
15	478	153.94	487.7		81.80
16	585	96.78	250.5		86.90
17	601	35.07	88.3		87.60
18	620	150.66	368.2		88.20
19	872	10.33	17.9		93.10
20	10,380	75.00	10.9	Upper Marker	113.00

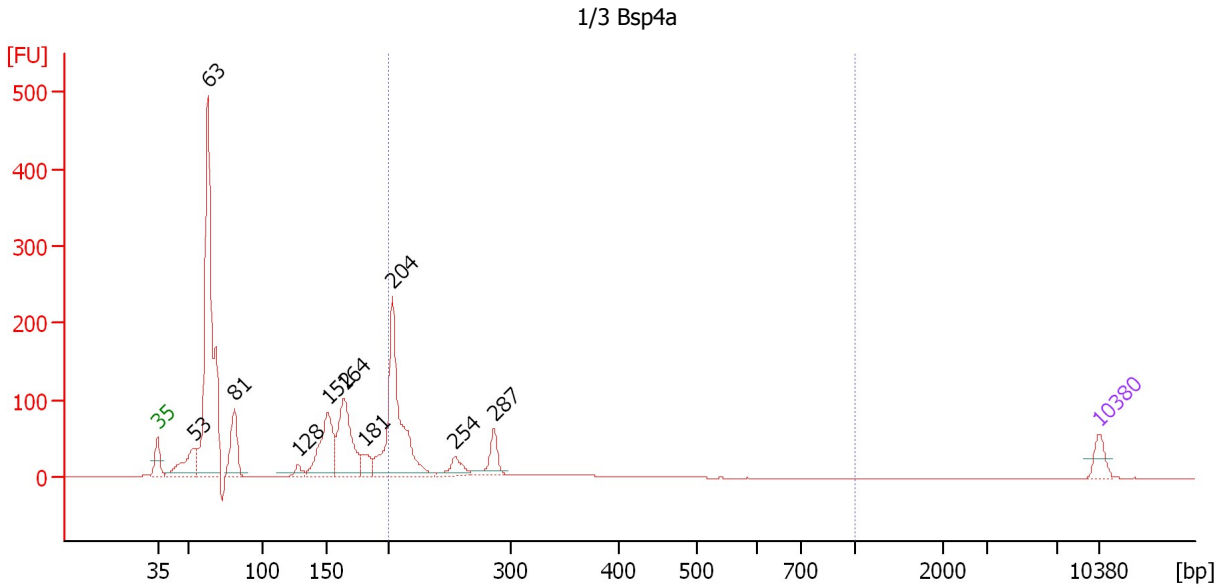
Region table for sample 1 : 1/3 + ctrl

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	361	2,359.0	5,092.48	25,494.7	60	42.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-13\2018-02-13_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 1/3 Bsp4a

Number of peaks found: 10 Corr. Area 1: 556.5
 Noise: 0.2

Peak table for sample 2 : 1/3 Bsp4a

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	303.30	8,614.7		45.69
3	63	2,175.06	52,412.0		46.74
4	81	315.25	5,927.4		48.69
5	128	59.67	708.0		53.43
6	152	497.94	4,976.3		55.67
7	164	610.96	5,642.0		56.82
8	181	111.34	932.7		58.37
9	204	1,105.74	8,225.3		60.46
10	254	111.82	666.1		65.05
11	287	170.02	898.1		68.00
12	10,380	75.00	10.9	Upper Marker	113.00

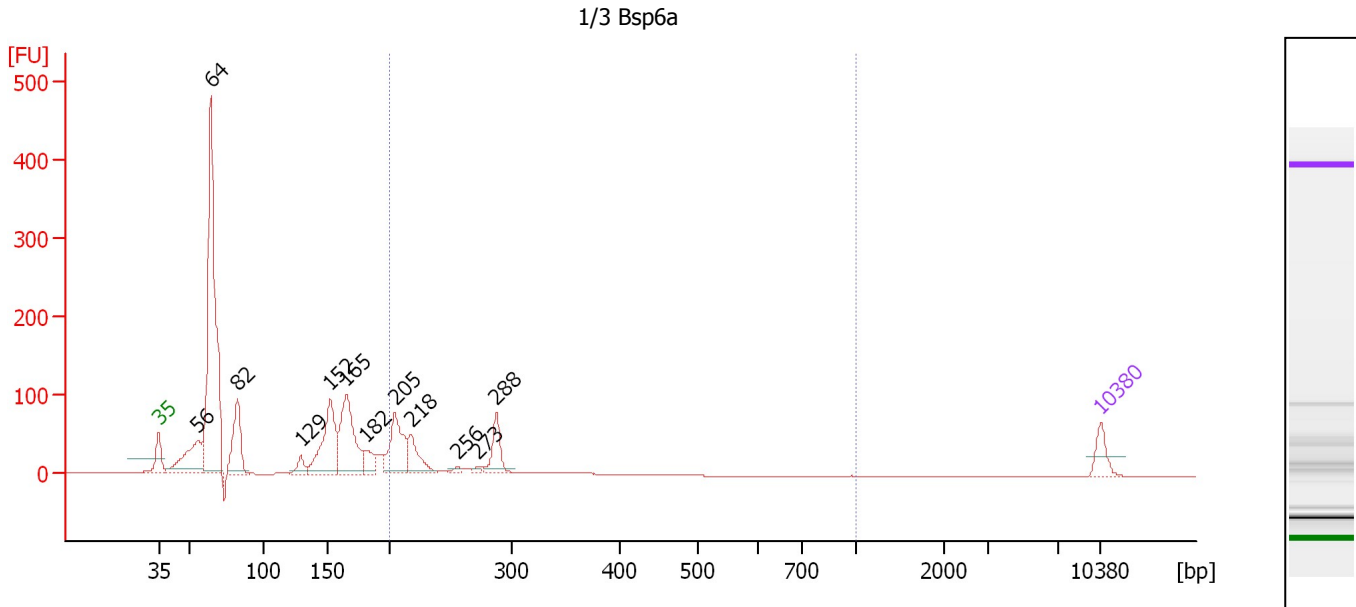
Region table for sample 2 : 1/3 Bsp4a

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	250	556.5	1,444.36	9,256.3	28	30.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-13\2018-02-13_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 1/3 Bsp6a

Number of peaks found: 12 Corr. Area 1: 369.3
 Noise: 0.2

Peak table for sample 3 : 1/3 Bsp6a

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	56	381.05	10,377.0		45.95
3	64	1,739.70	41,213.5		46.86
4	82	334.47	6,181.4		48.84
5	129	70.89	831.5		53.57
6	152	469.77	4,668.9		55.75
7	165	514.49	4,720.4		56.92
8	182	96.20	802.2		58.44
9	205	334.90	2,476.0		60.58
10	218	176.57	1,228.1		61.74
11	256	21.45	127.0		65.20
12	273	17.91	99.3		66.77
13	288	170.19	895.6		68.09
14	10,380	75.00	10.9	Upper Marker	113.00

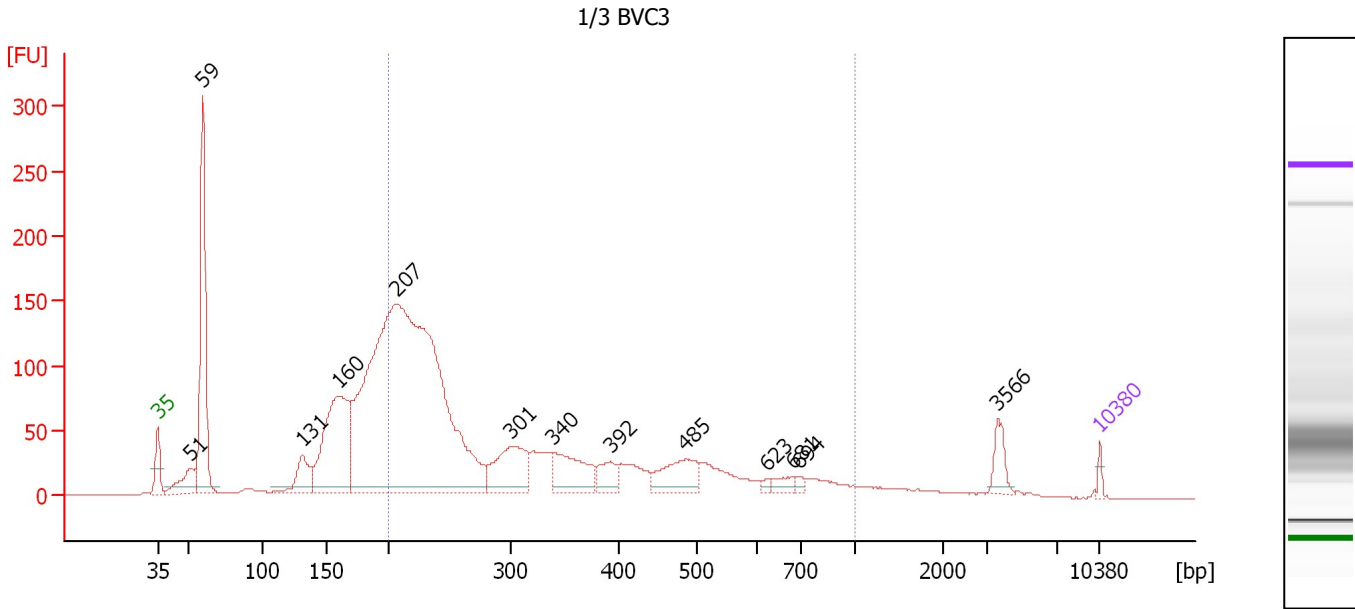
Region table for sample 3 : 1/3 Bsp6a

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	250	369.3	811.36	5,021.6	20	20.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-13\2018-02-13_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 1/3 BVC3

Number of peaks found: 13 Corr. Area 1: 2,032.0
 Noise: 0.2

Peak table for sample 4 : 1/3 BVC3

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	797.50	23,572.8		45.47
3	59	4,153.84	106,132.5		46.35
4	131	800.33	9,251.8		53.74
5	160	3,583.86	33,946.5		56.44
6	207	17,627.77	128,996.2		60.77
7	301	1,444.70	7,283.2		69.23
8	340	1,093.03	4,878.0		72.40
9	392	446.27	1,724.0		76.67
10	485	842.53	2,630.1		82.21
11	623	59.84	145.5		88.30
12	681	178.55	397.2		90.16
13	694	80.91	176.6		90.58
14	3,566	327.26	139.1		105.42
15	10,380	75.00	10.9	Upper Marker	113.00

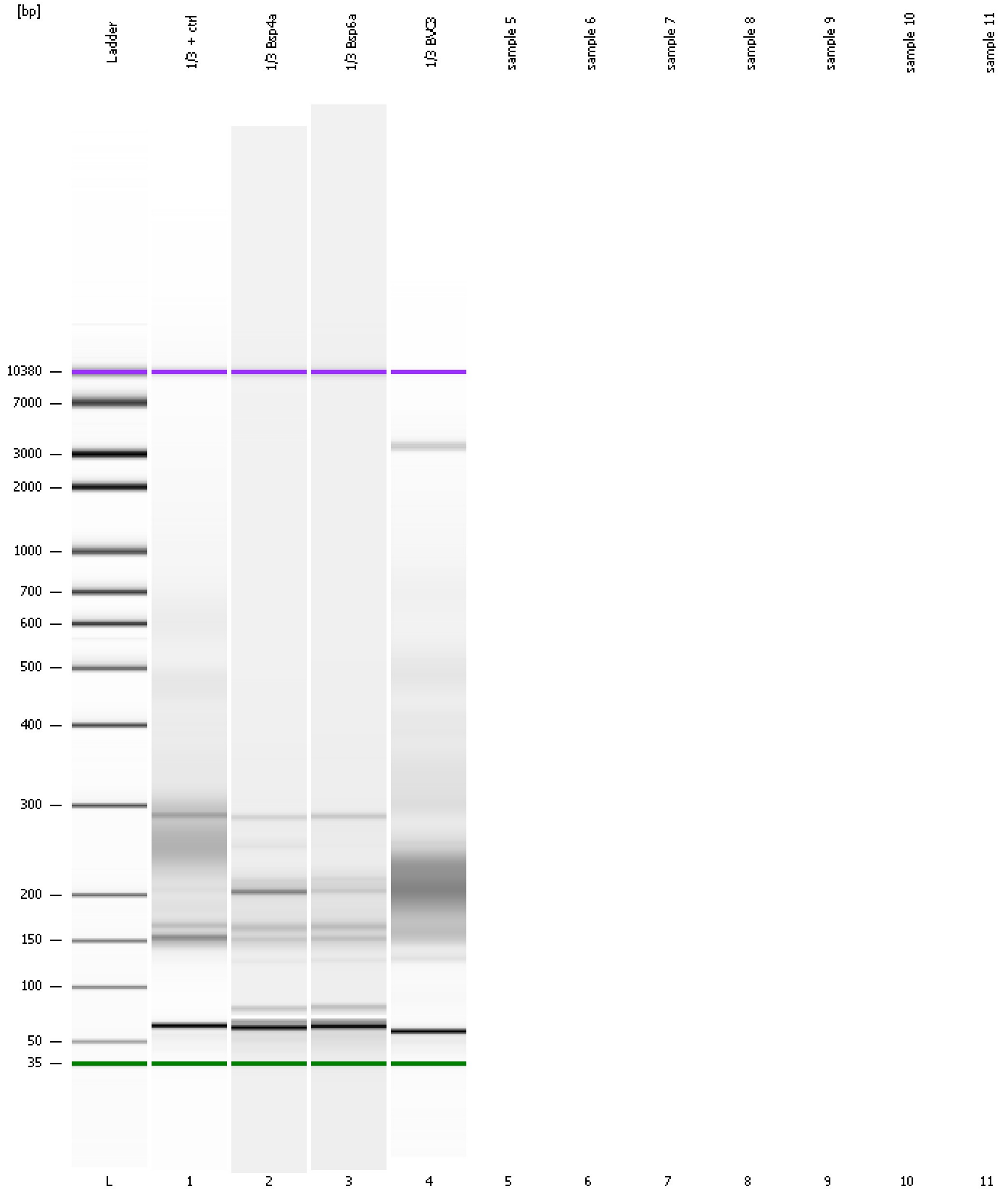
Region table for sample 4 : 1/3 BVC3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	339	2,032.0	19,940.02	109,799.4	57	46.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-13\2018-02-13_004.xad

Created: 2/13/2018 3:15:53 PM
Modified: 2/13/2018 3:37:38 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-13\2018-02-13_004.xad

Created: 2/13/2018 3:15:53 PM
Modified: 2/13/2018 3:37:38 PM

Invalid Samples

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

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.