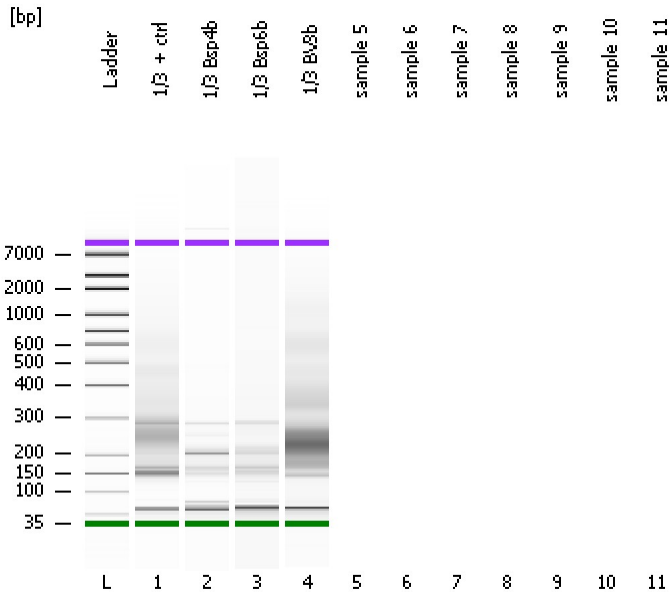


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_001.xad

Created: 2/14/2018 11:59:17 AM
Modified: 2/14/2018 12:21:10 PM

Electrophoresis File Run Summary



Instrument Information:

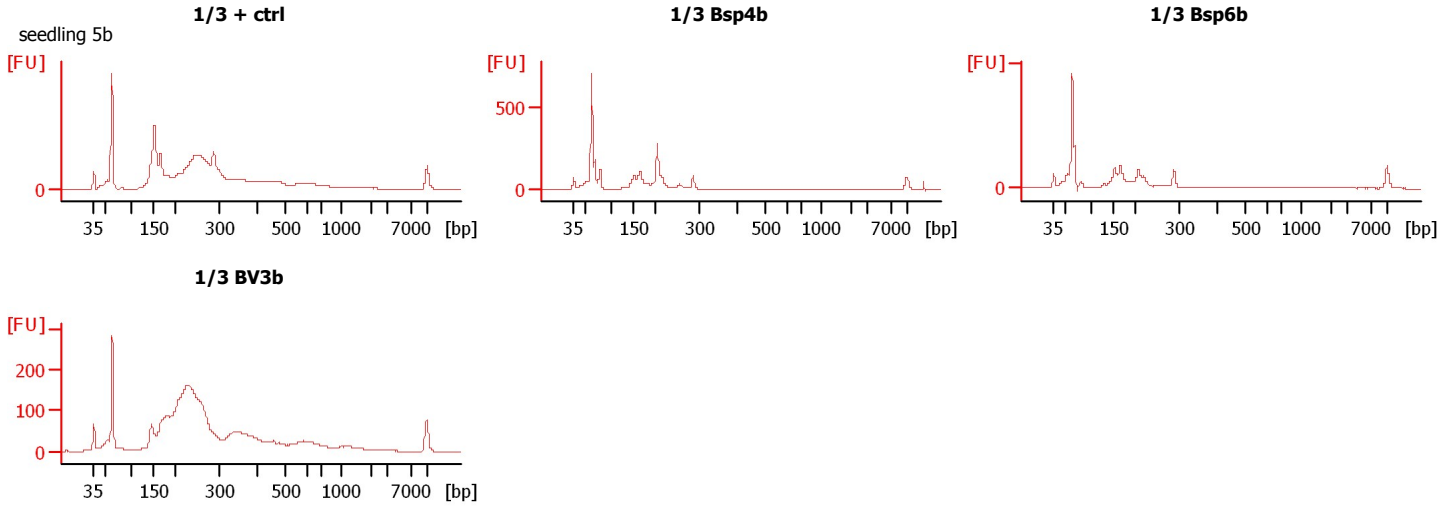
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2018-02-14\2018-02-14_001.xad

Created: 2/14/2018 11:59:17 AM
 Modified: 2/14/2018 12:21:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1/3 + ctrl	seedling 5b	<input type="checkbox"/>	✓			
1/3 Bsp4b		<input type="checkbox"/>	✓			
1/3 Bsp6b		<input type="checkbox"/>	✓			
1/3 BV3b		<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 #

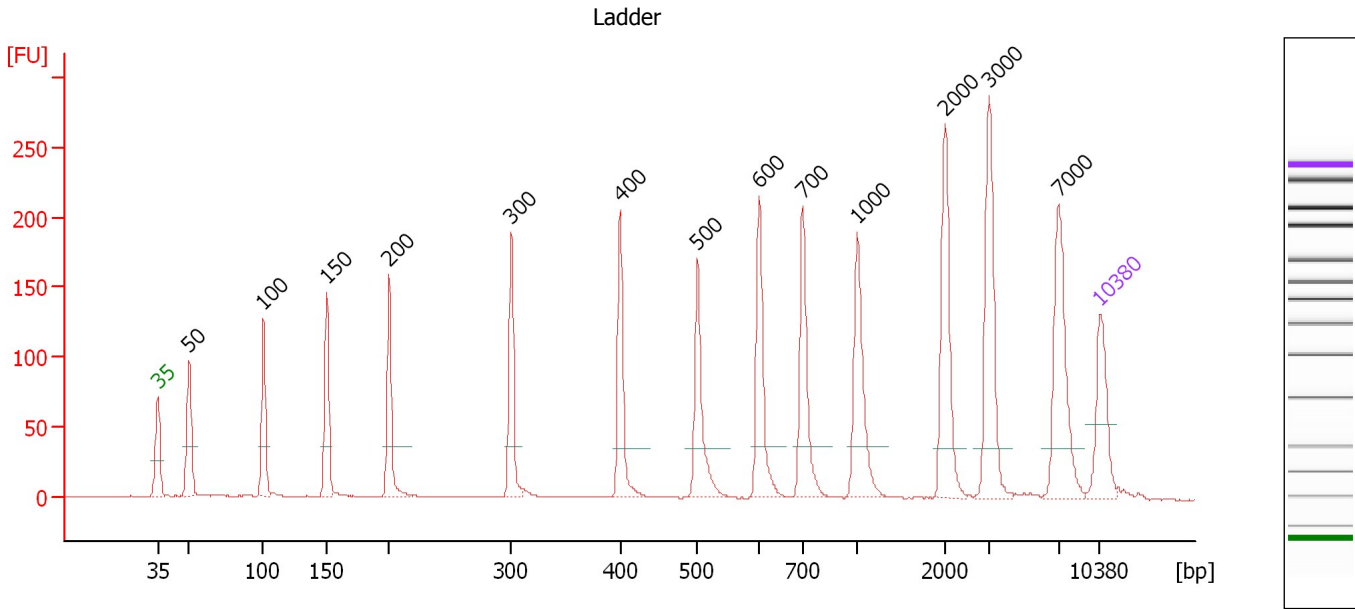
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_001.xad

Created: 2/14/2018 11:59:17 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

Peak table for Ladder

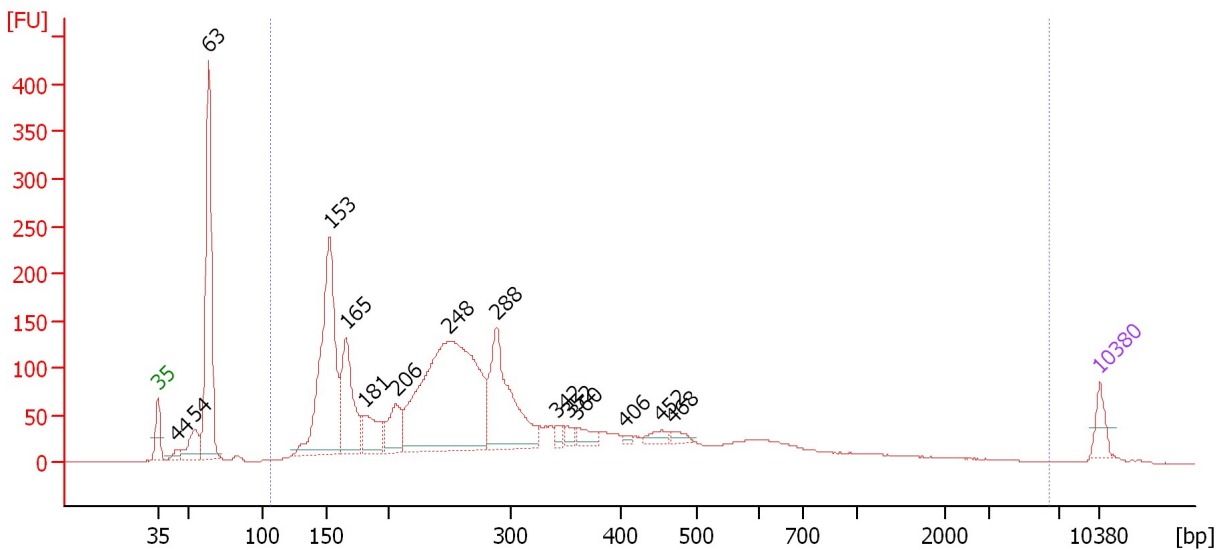
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.34
3	100	150.00	2,272.7	Ladder Peak	50.87
4	150	150.00	1,515.2	Ladder Peak	55.55
5	200	150.00	1,136.4	Ladder Peak	60.18
6	300	150.00	757.6	Ladder Peak	69.27
7	400	150.00	568.2	Ladder Peak	77.37
8	500	150.00	454.5	Ladder Peak	83.13
9	600	150.00	378.8	Ladder Peak	87.67
10	700	150.00	324.7	Ladder Peak	90.90
11	1,000	150.00	227.3	Ladder Peak	94.97
12	2,000	150.00	113.6	Ladder Peak	101.48
13	3,000	150.00	75.8	Ladder Peak	104.76
14	7,000	150.00	32.5	Ladder Peak	109.91
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_001.xad

Created: 2/14/2018 11:59:17 AM
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Electropherogram Summary Continued ...

1/3 + ctrl [seedling 5b]



Overall Results for sample 1 : 1/3 + ctrl

Number of peaks found: 15 Corr. Area 1: 3,489.7
 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	44	48.52	1,656.5		44.46
3	54	191.27	5,363.4		45.79
4	63	1,229.71	29,570.3		46.78
5	153	1,359.64	13,489.5		55.80
6	165	555.70	5,088.9		56.98
7	181	252.42	2,116.0		58.40
8	206	232.45	1,711.2		60.71
9	248	2,008.82	12,250.2		64.59
10	288	748.22	3,936.7		68.18
11	342	43.88	194.5		72.66
12	352	40.81	175.7		73.47
13	360	75.26	316.8		74.13
14	406	17.16	64.0		77.72
15	452	52.55	176.1		80.36
16	468	37.21	120.6		81.26
17	10,380	75.00	10.9	Upper Marker	113.00

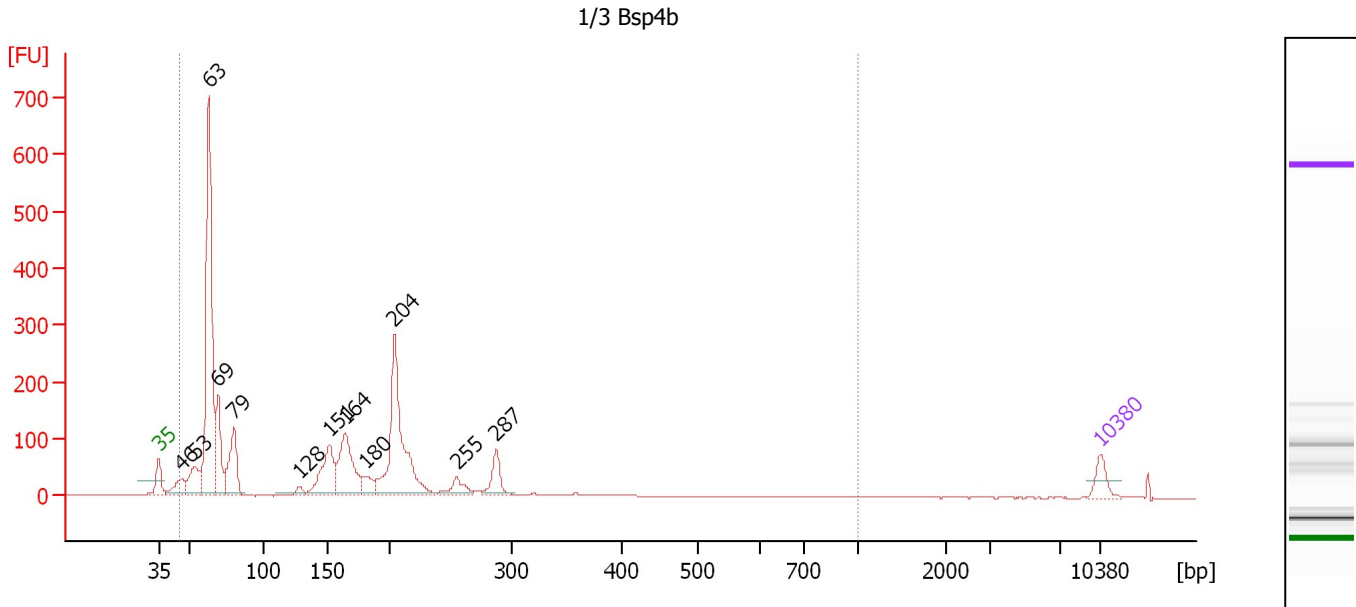
Region table for sample 1 : 1/3 + ctrl

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
106	6,427	397	3,489.7	7,721.78	50,276.9	84	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 1/3 Bsp4b

Number of peaks found: 12 Corr. Area 1: 2,490.2
 Noise: 0.2

Peak table for sample 2 : 1/3 Bsp4b

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	160.11	5,318.5		44.66
3	53	244.24	6,952.4		45.70
4	63	1,814.13	43,873.3		46.74
5	69	411.79	9,088.9		47.40
6	79	412.17	7,869.7		48.58
7	128	46.35	550.0		53.46
8	151	408.31	4,084.4		55.68
9	164	512.89	4,731.9		56.87
10	180	109.11	918.2		58.33
11	204	1,022.41	7,608.2		60.51
12	255	108.66	646.5		65.15
13	287	156.14	824.4		68.08
14	10,380	75.00	10.9	Upper Marker	113.00

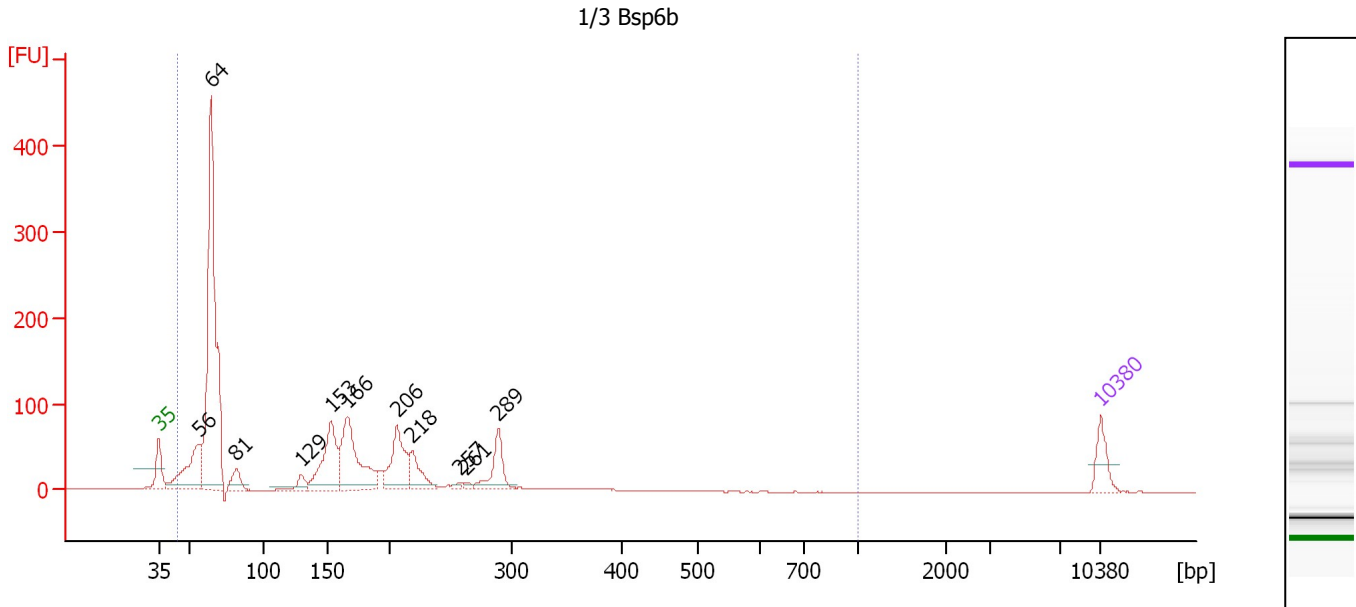
Region table for sample 2 : 1/3 Bsp4b

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
45	1,000	145	2,490.2	5,538.33	90,106.2	98	57.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_001.xad

Created: 2/14/2018 11:59:17 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : 1/3 Bsp6b

Number of peaks found: 11 Corr. Area 1: 1,685.0
 Noise: 0.2

Peak table for sample 3 : 1/3 Bsp6b

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	333.18	9,024.8		46.00
3	64	1,501.16	35,643.4		46.87
4	81	81.83	1,533.0		48.75
5	129	56.09	658.5		53.59
6	153	355.99	3,529.3		55.81
7	166	455.20	4,158.2		57.02
8	206	274.91	2,025.9		60.69
9	218	134.15	930.8		61.85
10	257	13.39	79.1		65.33
11	261	13.57	78.6		65.77
12	289	155.76	817.6		68.23
13	10,380	75.00	10.9	Upper Marker	113.00

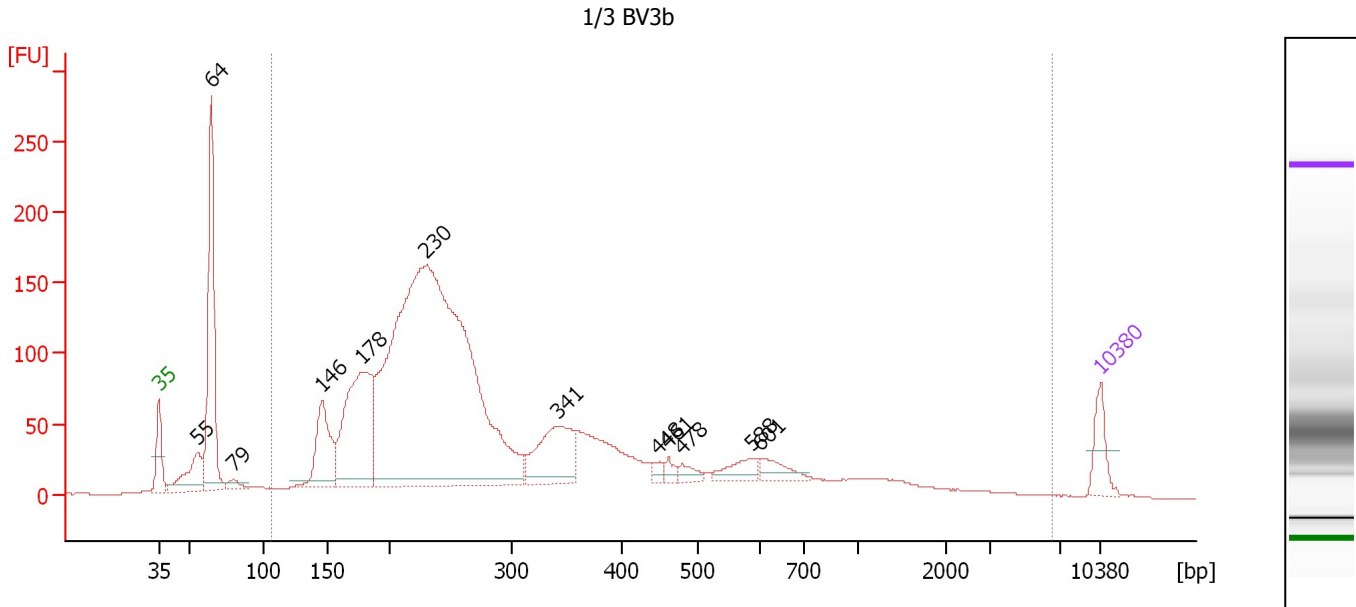
Region table for sample 3 : 1/3 Bsp6b

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
44	1,000	146	1,685.0	3,538.81	58,683.9	98	60.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 1/3 BV3b

Number of peaks found: 12 Corr. Area 1: 3,329.6
 Noise: 0.3

Peak table for sample 4 : 1/3 BV3b

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	189.95	5,204.3		45.93
3	64	686.57	16,183.0		46.92
4	79	33.86	648.7		48.56
5	146	297.59	3,092.7		55.15
6	178	676.90	5,766.5		58.13
7	230	3,173.96	20,924.2		62.89
8	341	284.84	1,264.3		72.62
9	448	25.36	85.8		80.11
10	461	25.18	82.8		80.85
11	478	32.85	104.2		81.84
12	588	64.15	165.4		87.10
13	601	56.55	142.6		87.70
14	10,380	75.00	10.9	Upper Marker	113.00

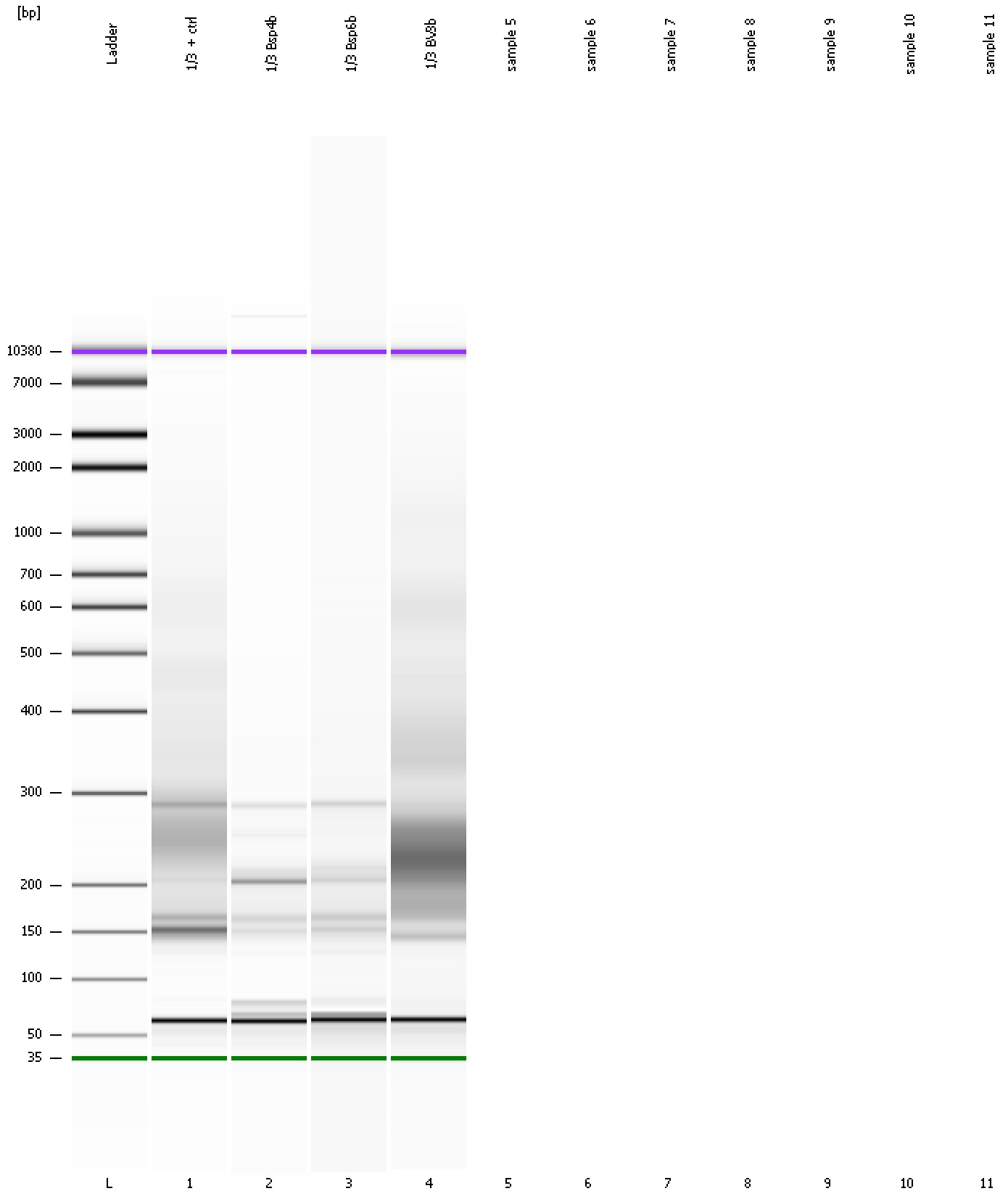
Region table for sample 4 : 1/3 BV3b

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
106	6,616	388	3,329.6	5,945.45	37,078.5	87	100.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_001.xad

Created: 2/14/2018 11:59:17 AM
Modified: 2/14/2018 12:21:10 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_001.xad

Created: 2/14/2018 11:59:17 AM
Modified: 2/14/2018 12:21:10 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.