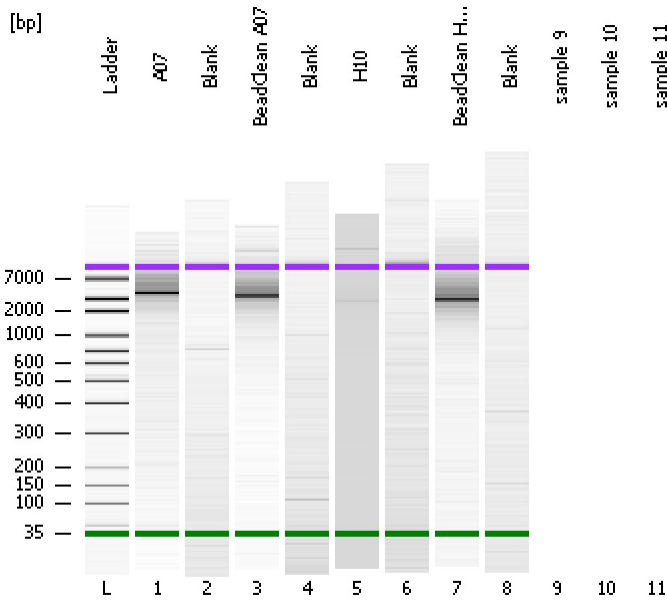


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
Modified: 2/14/2018 1:11:08 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

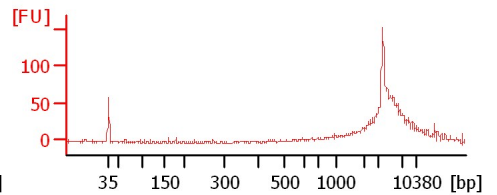
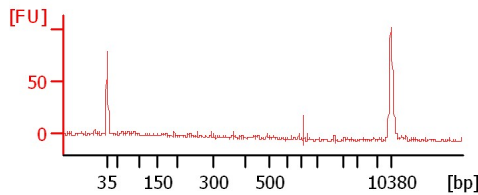
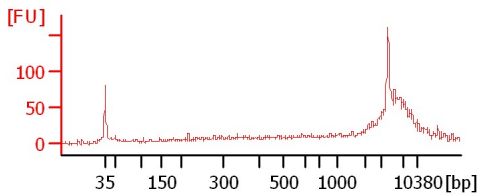
Chip Information:

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

A07

Blank

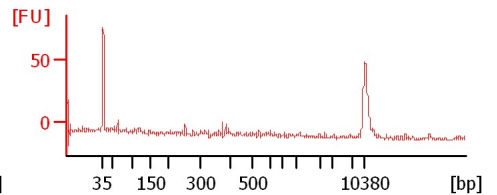
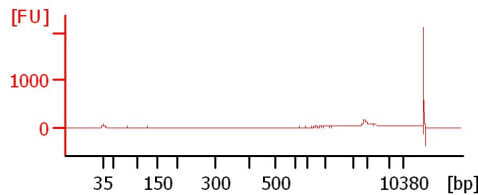
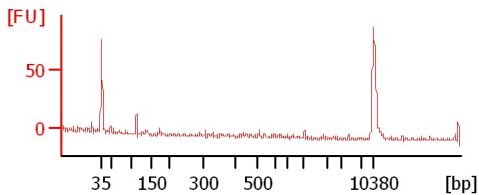
BeadClean A07



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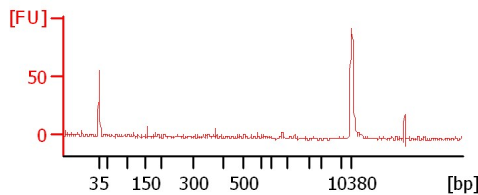
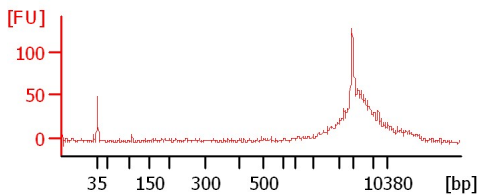
H10

Blank



BeadClean H10

Blank



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A07		<input type="checkbox"/>	✓			
Blank		<input type="checkbox"/>	✓			
BeadClean A07		<input type="checkbox"/>	✓			
Blank		<input type="checkbox"/>	✓			
H10		<input type="checkbox"/>	✓			
Blank		<input type="checkbox"/>	✓			
BeadClean H10		<input type="checkbox"/>	✓			
Blank		<input type="checkbox"/>	✓			
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

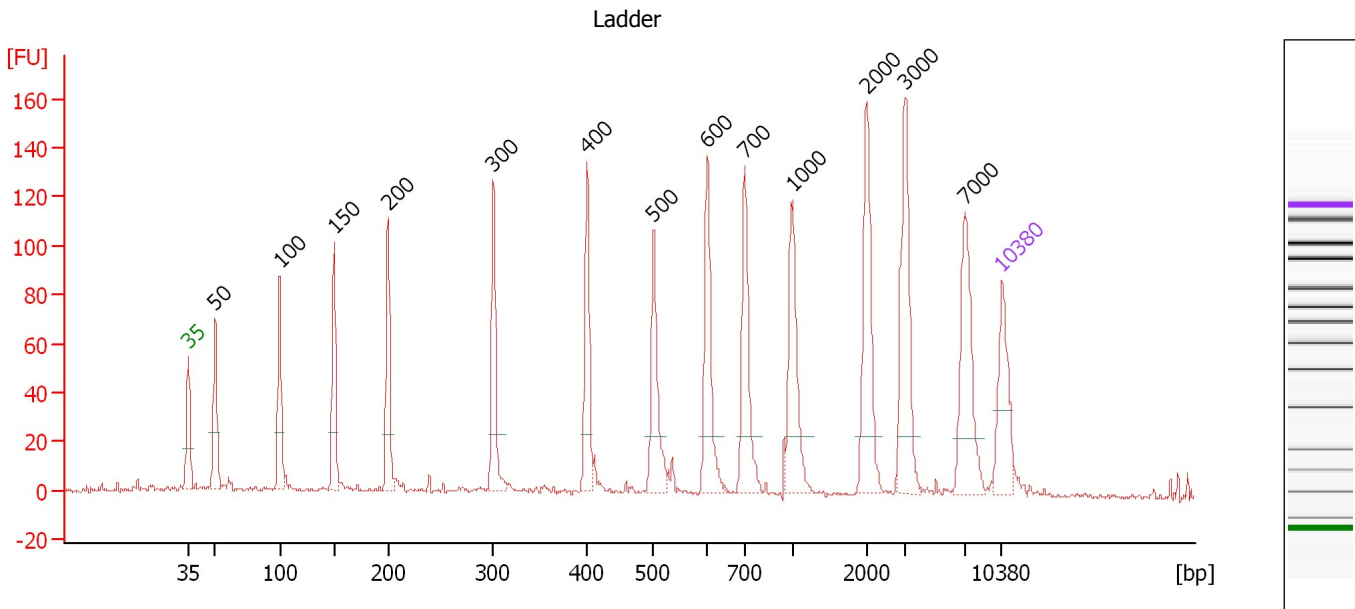
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.9

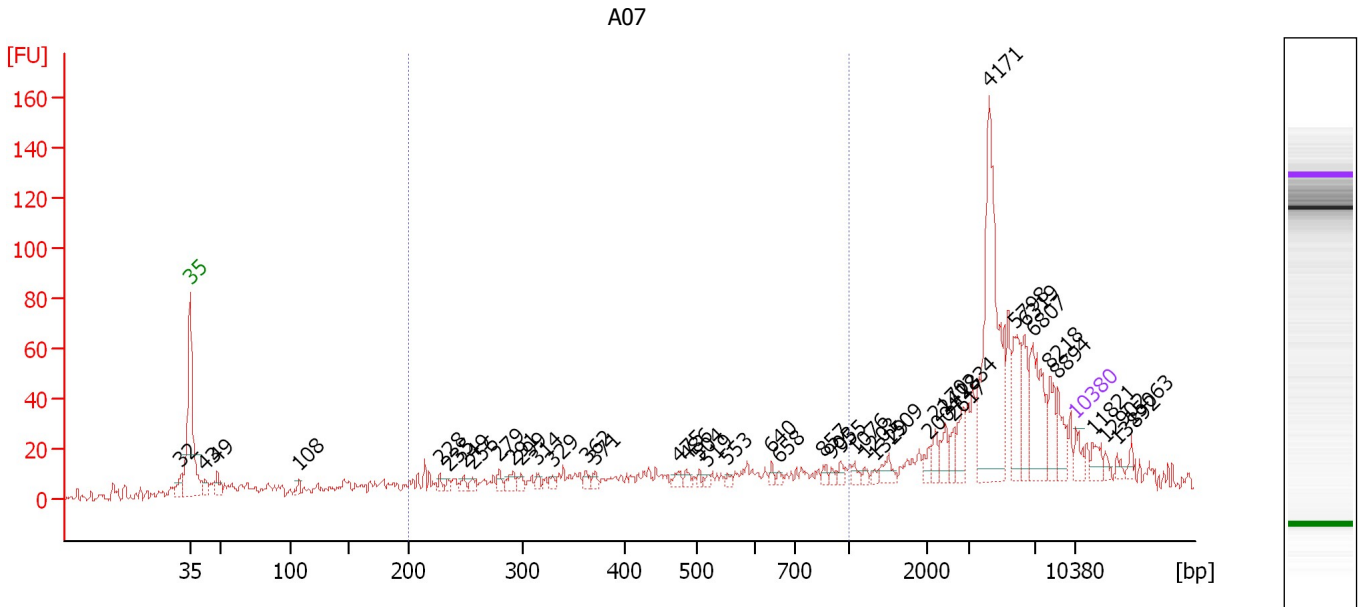
Peak table for Ladder

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	50.89
4	150	150.00	1,515.2	Ladder Peak	55.57
5	200	150.00	1,136.4	Ladder Peak	60.20
6	300	150.00	757.6	Ladder Peak	69.28
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	87.68
10	700	150.00	324.7	Ladder Peak	90.89
11	1,000	150.00	227.3	Ladder Peak	95.02
12	2,000	150.00	113.6	Ladder Peak	101.35
13	3,000	150.00	75.8	Ladder Peak	104.65
14	7,000	150.00	32.5	Ladder Peak	109.83
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_002.xad

Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : A07

Number of peaks found: 44 Corr. Area 1: 184.5
 Noise: 1.8

Peak table for sample 1 : A07

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.28
2	35	125.00	5,411.3	Lower Marker	43.00
3	43	110.60	3,936.3		44.18
4	49	114.52	3,556.3		45.15
5	108	38.54	542.6		51.60
6	228	42.52	282.7		62.73
7	235	34.67	223.2		63.41
8	249	45.83	278.6		64.67
9	256	44.37	262.4		65.31
10	279	54.60	296.0		67.42
11	291	83.94	437.0		68.47
12	299	47.37	240.1		69.19
13	314	40.08	193.4		70.41
14	329	36.91	169.9		71.63
15	362	42.73	178.7		74.29
16	371	39.01	159.2		75.01
17	475	49.70	158.5		81.63
18	486	39.01	121.7		82.22
19	504	25.58	76.9		83.23
20	519	22.98	67.2		83.90
21	553	23.84	65.3		85.51
22	640	32.30	76.5		88.96
23	658	25.20	58.0		89.55
24	857	35.77	63.2		93.05
25	903	28.31	47.5		93.69

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : A07

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	955	39.04	61.9		94.40
27	1,076	34.28	48.3		95.50
28	1,203	24.49	30.9		96.30
29	1,329	24.42	27.8		97.10
30	1,509	76.78	77.1		98.24
31	2,004	52.24	39.5		101.36
32	2,170	77.10	53.8		101.91
33	2,412	93.54	58.7		102.71
34	2,617	72.01	41.7		103.39
35	2,834	119.55	63.9		104.10
36	4,171	1,161.63	422.0		106.17
37	5,798	269.66	70.5		108.28
38	6,319	210.66	50.5		108.95
39	6,807	392.84	87.4		109.58
40	8,218	163.89	30.2		110.98
41	8,894	142.58	24.3		111.61
42	10,380	75.00	10.9	Upper Marker	113.00
43	11,821	0.00	0.0		114.35
44	12,902	0.00	0.0		115.36
45	13,892	0.00	0.0		116.29
46	15,063	0.00	0.0		117.39

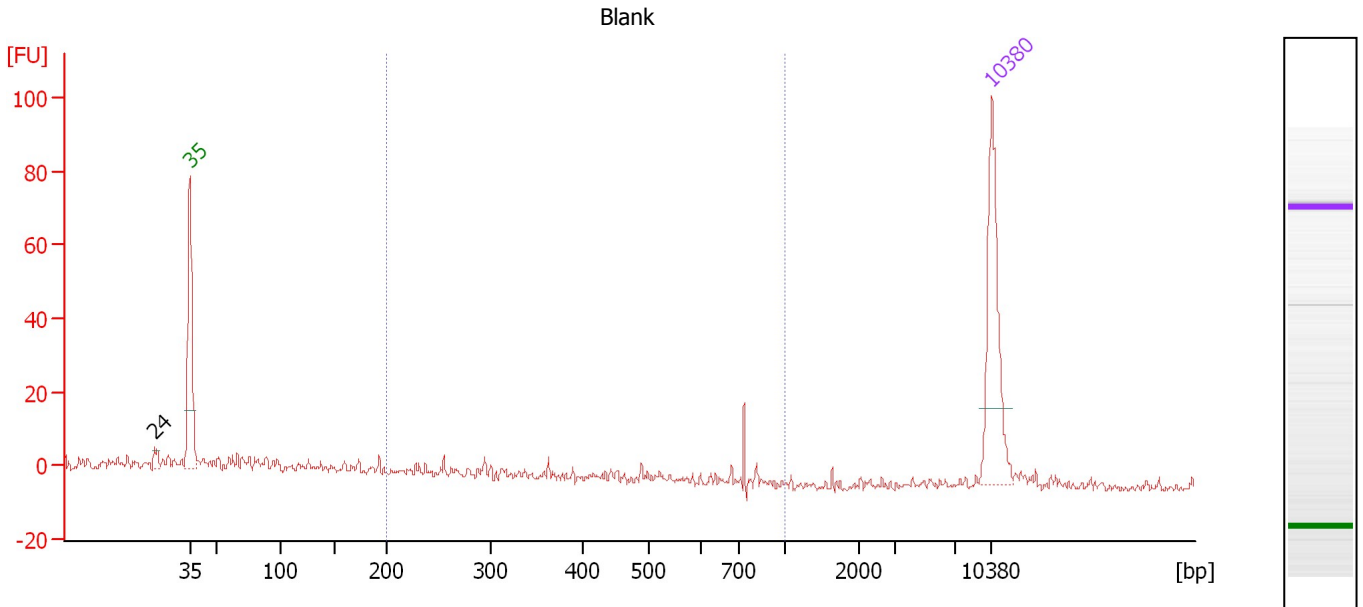
Region table for sample 1 : A07

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	458	184.5	1,666.42	7,137.7	22	44.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Blank

Number of peaks found: 1 Corr. Area 1: 33.9
 Noise: 1.3

Peak table for sample 2 : Blank

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	24	0.00	0.0		39.93
2	35	125.00	5,411.3	Lower Marker	43.00
3	10,380	75.00	10.9	Upper Marker	113.00

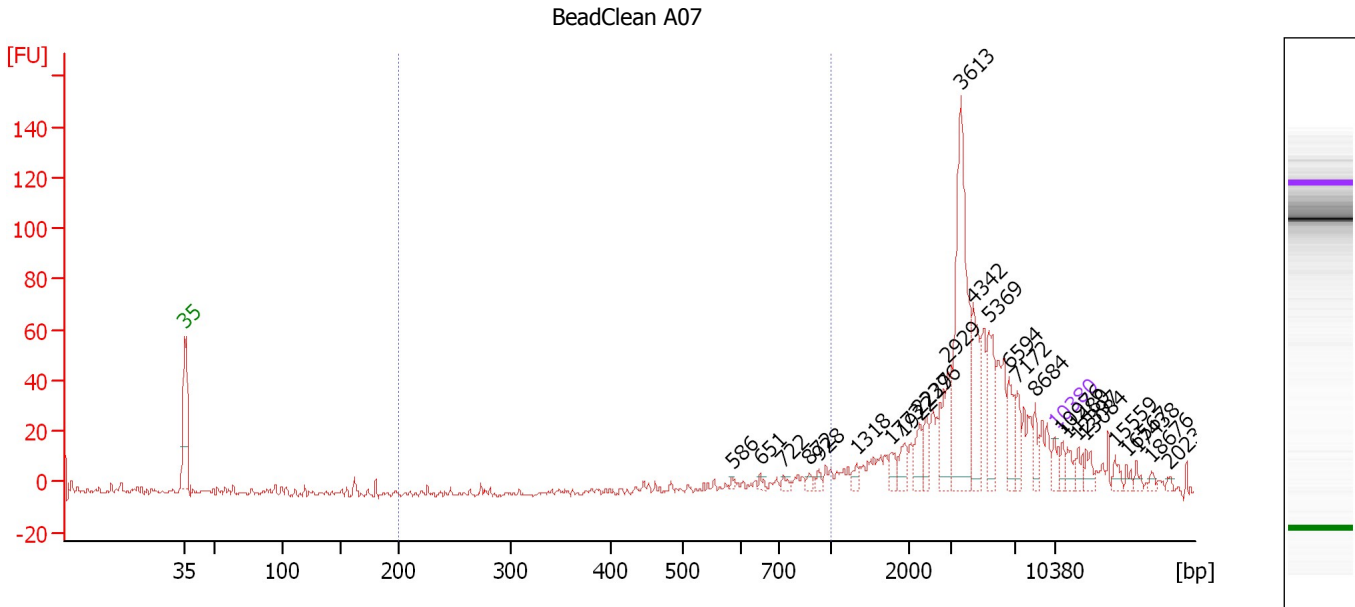
Region table for sample 2 : Blank

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	444	33.9	38.32	169.9	23	43.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

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 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : BeadClean A07

Number of peaks found: 26 Corr. Area 1: 16.6
 Noise: 1.3

Peak table for sample 3 : BeadClean A07

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	586	22.25	57.5		87.03
3	651	27.80	64.7		89.31
4	722	33.63	70.5		91.20
5	872	32.66	56.7		93.26
6	928	32.53	53.1		94.03
7	1,318	53.18	61.1		97.03
8	1,773	81.46	69.6		99.91
9	1,922	105.20	82.9		100.85
10	2,227	130.66	88.9		102.10
11	2,396	115.51	73.0		102.66
12	2,929	261.18	135.1		104.42
13	3,613	1,215.36	509.6		105.45
14	4,342	360.03	125.6		106.39
15	5,369	315.60	89.1		107.72
16	6,594	167.08	38.4		109.31
17	7,172	145.61	30.8		110.00
18	8,684	102.76	17.9		111.41
19	10,380	75.00	10.9	Upper Marker	113.00
20	10,976	0.00	0.0		113.56
21	11,480	0.00	0.0		114.03
22	12,397	0.00	0.0		114.89
23	13,084	0.00	0.0		115.53
24	15,559	0.00	0.0		117.85
25	16,567	0.00	0.0		118.79

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad


Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : BeadClean A07

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	17,438	0.00	0.0		119.61
27	18,676	0.00	0.0		120.77
28	20,234	0.00	0.0		122.23

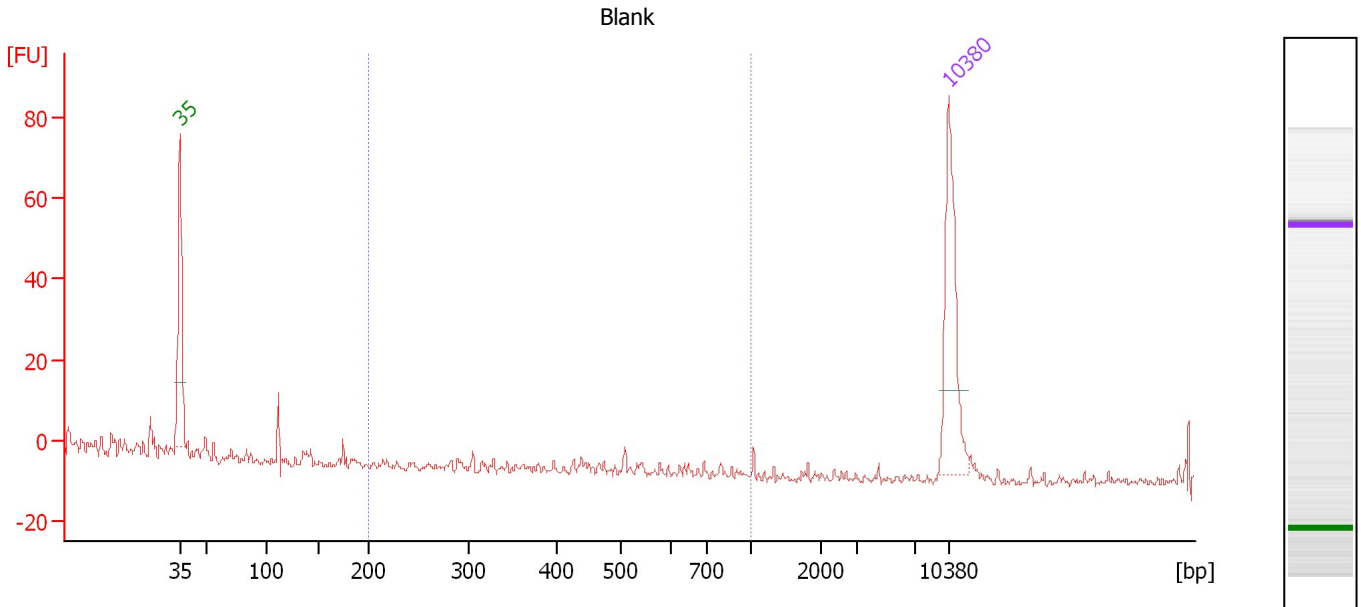
Region table for sample 3 : BeadClean A07

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	789	16.6	152.12	326.3	 3	22.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Blank

Number of peaks found: 0 Corr. Area 1: 0.0
 Noise: 1.3

Peak table for sample 4 : Blank

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	10,380	75.00	10.9	Upper Marker	113.00

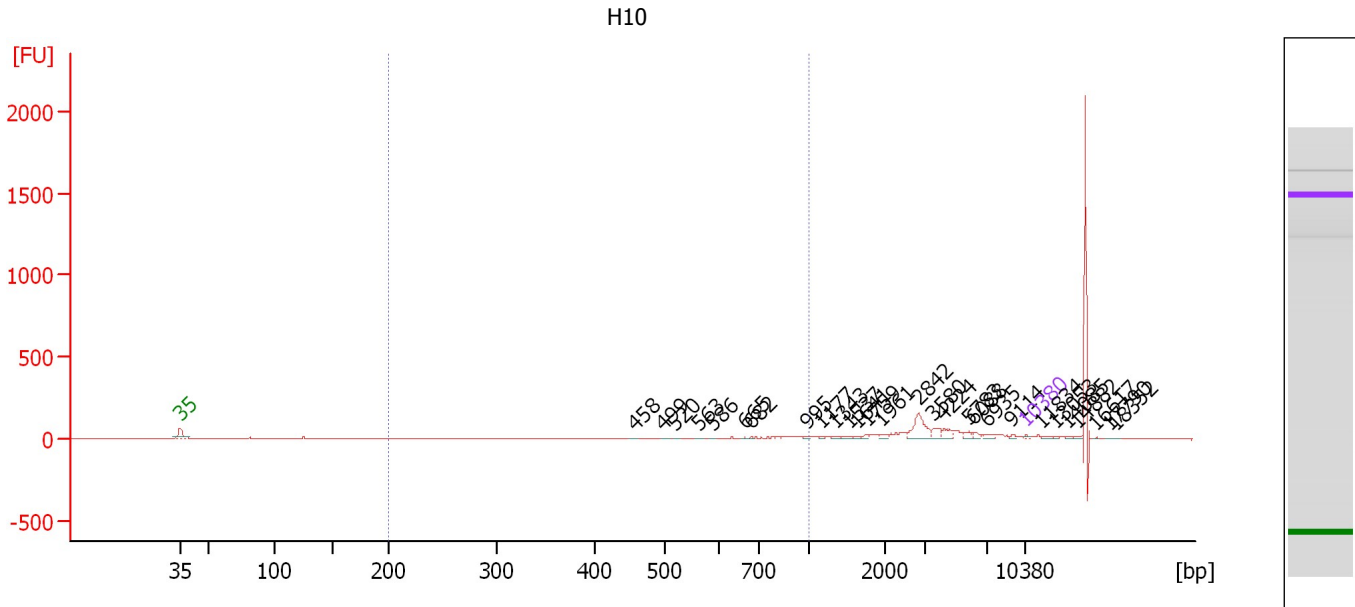
Region table for sample 4 : Blank

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	0	0.0	0.00	0.0	0	0.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : H10

Number of peaks found: 28 Corr. Area 1: 169.6
 Noise: 1.1

Peak table for sample 5 : H10

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	458	41.33	136.8		80.63
3	499	47.11	143.0		83.01
4	520	30.21	88.0		83.97
5	563	40.99	110.4		85.95
6	586	35.16	90.9		87.05
7	665	40.22	91.6		89.77
8	682	49.06	109.1		90.30
9	995	62.86	95.7		94.95
10	1,177	60.00	77.3		96.14
11	1,343	79.20	89.3		97.19
12	1,537	105.53	104.0		98.42
13	1,641	86.39	79.7		99.08
14	1,759	101.09	87.1		99.83
15	1,961	155.41	120.1		101.10
16	2,842	1,170.69	624.1		104.13
17	3,580	341.44	144.5		105.40
18	4,224	359.86	129.1		106.24
19	5,783	213.27	55.9		108.26
20	6,088	161.53	40.2		108.65
21	6,935	174.94	38.2		109.75
22	9,114	84.79	14.1		111.81
23	10,380	75.00	10.9	Upper Marker	113.00
24	11,834	0.00	0.0		114.36
25	13,053	0.00	0.0		115.50

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad


Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : H10

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	14,085	0.00	0.0		116.47
27	14,882	0.00	0.0		117.22
28	16,617	0.00	0.0		118.84
29	17,790	0.00	0.0		119.94
30	18,352	0.00	0.0		120.47

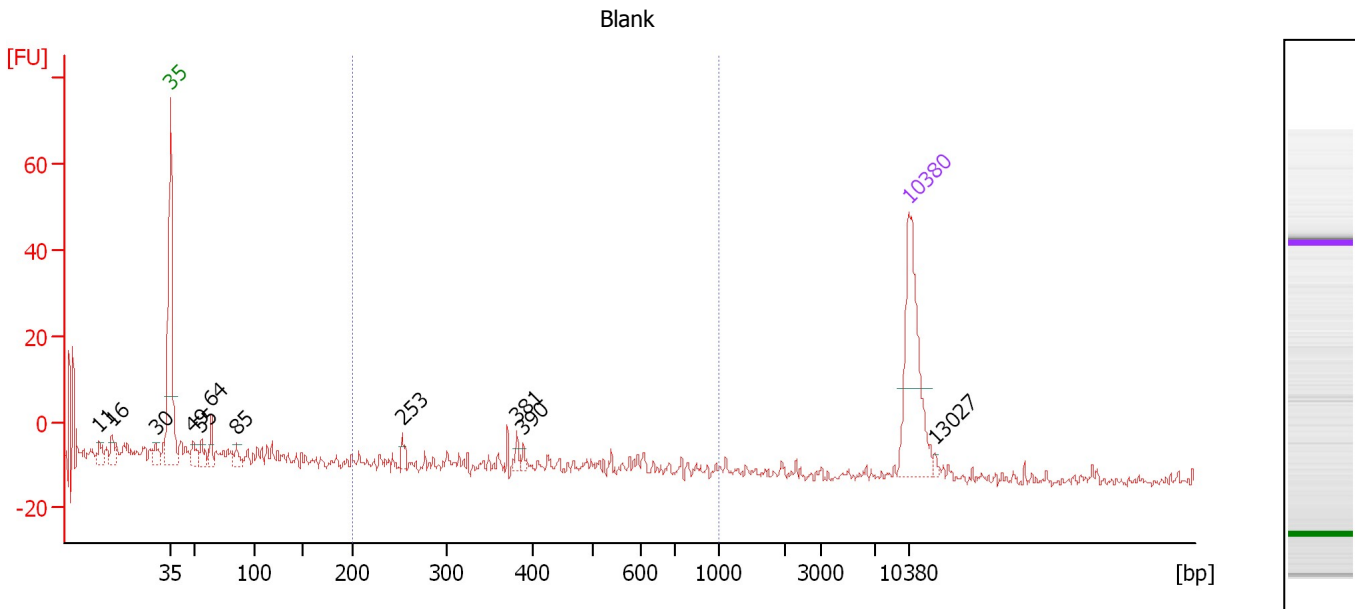
Region table for sample 5 : H10

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	642	169.6	1,416.81	3,801.5	 13	28.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Blank

Number of peaks found: 11 Corr. Area 1: 0.3
 Noise: 1.3

Peak table for sample 6 : Blank

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	11	0.00	0.0		36.22
2	16	0.00	0.0		37.44
3	30	0.00	0.0		41.58
4	35	125.00	5,411.3	Lower Marker	43.00
5	49	13.91	430.6		45.17
6	55	11.15	305.2		45.93
7	64	15.57	371.1		46.84
8	85	9.56	169.5		49.27
9	253	7.00	42.0		65.00
10	381	5.45	21.7		75.83
11	390	4.04	15.7		76.48
12	10,380	75.00	10.9	Upper Marker	113.00
13	13,027	0.00	0.0		115.48

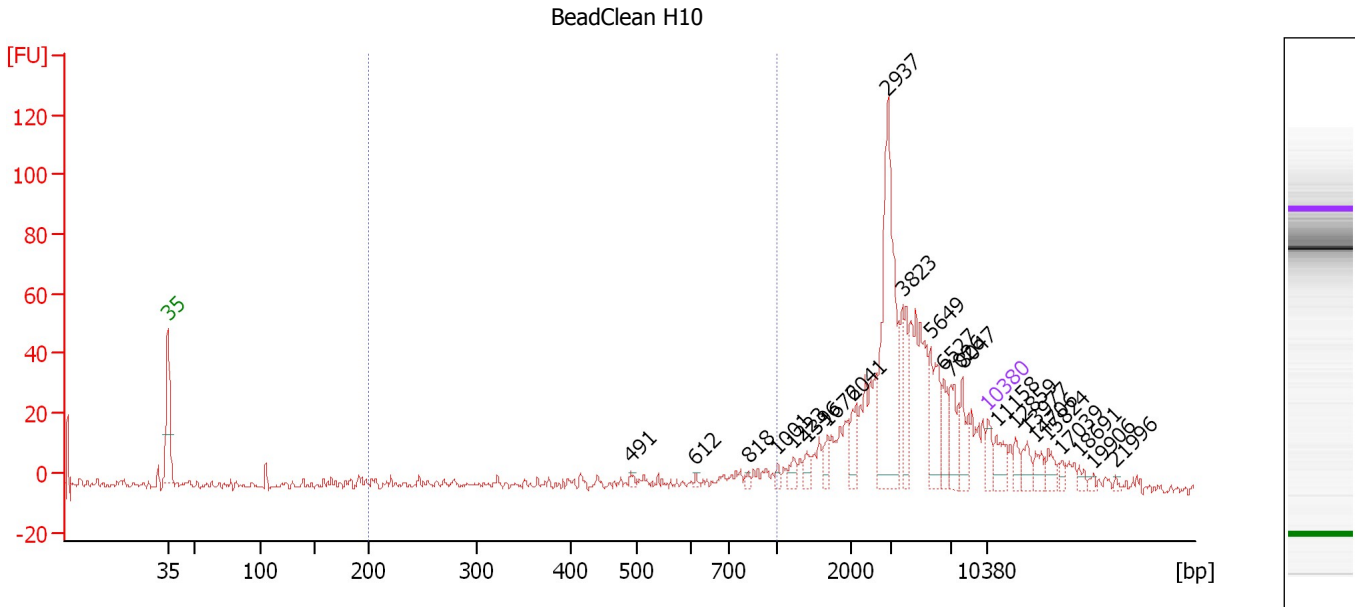
Region table for sample 6 : Blank

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	374	0.3	0.41	1.7	13	1.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : BeadClean H10

Number of peaks found: 23 Corr. Area 1: 98.1
 Noise: 1.1

Peak table for sample 7 : BeadClean H10

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	491	24.72	76.2		82.55
3	612	16.46	40.8		88.06
4	818	22.40	41.5		92.52
5	1,001	29.60	44.8		95.02
6	1,223	58.29	72.2		96.43
7	1,396	52.50	57.0		97.53
8	1,676	67.99	61.5		99.30
9	2,041	119.19	88.5		101.49
10	2,937	950.75	490.5		104.44
11	3,823	224.25	88.9		105.72
12	5,649	303.93	81.5		108.08
13	6,527	131.41	30.5		109.22
14	7,026	173.96	37.5		109.86
15	8,047	141.61	26.7		110.82
16	10,380	75.00	10.9	Upper Marker	113.00
17	11,158	0.00	0.0		113.73
18	12,859	0.00	0.0		115.32
19	13,977	0.00	0.0		116.37
20	14,706	0.00	0.0		117.05
21	15,824	0.00	0.0		118.10
22	17,039	0.00	0.0		119.24
23	18,691	0.00	0.0		120.78
24	19,906	0.00	0.0		121.92
25	21,996	0.00	0.0		123.88


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...

... Region table for sample 7 :

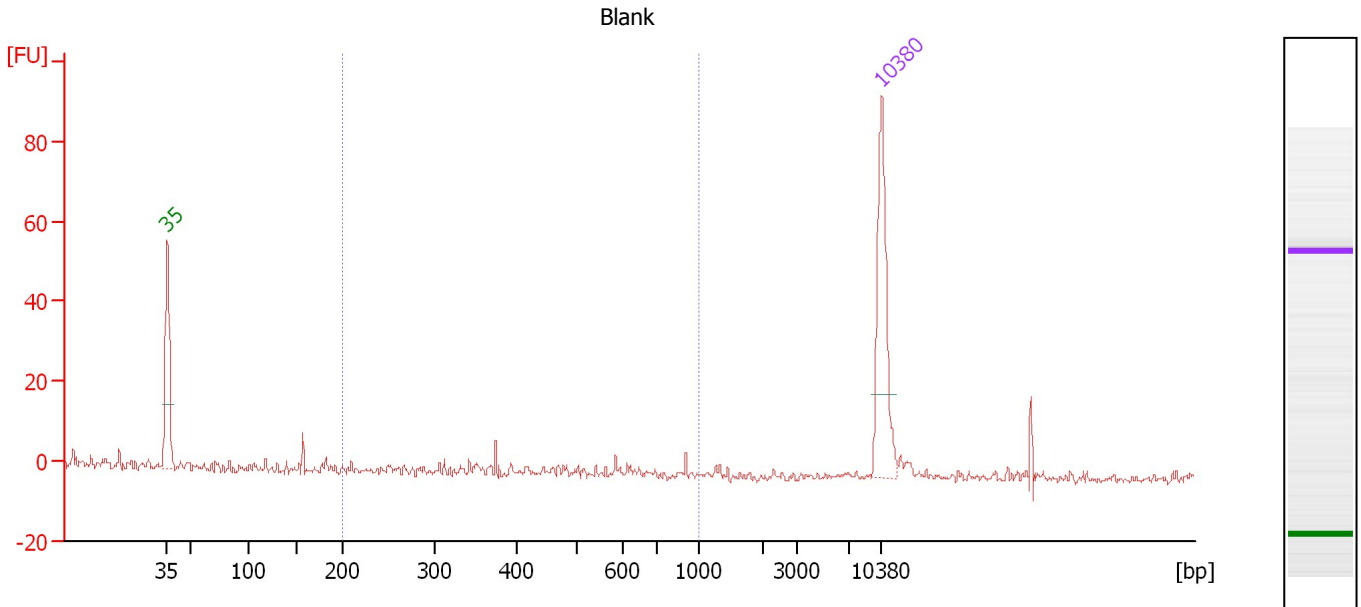
BeadClean H10

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	562	98.1	865.37	3,101.3	 12	40.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
 Modified: 2/14/2018 1:11:08 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Blank

Number of peaks found: 0 Corr. Area 1: 3.6
 Noise: 1.1

Peak table for sample 8 : Blank

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	10,380	75.00	10.9	Upper Marker	113.00

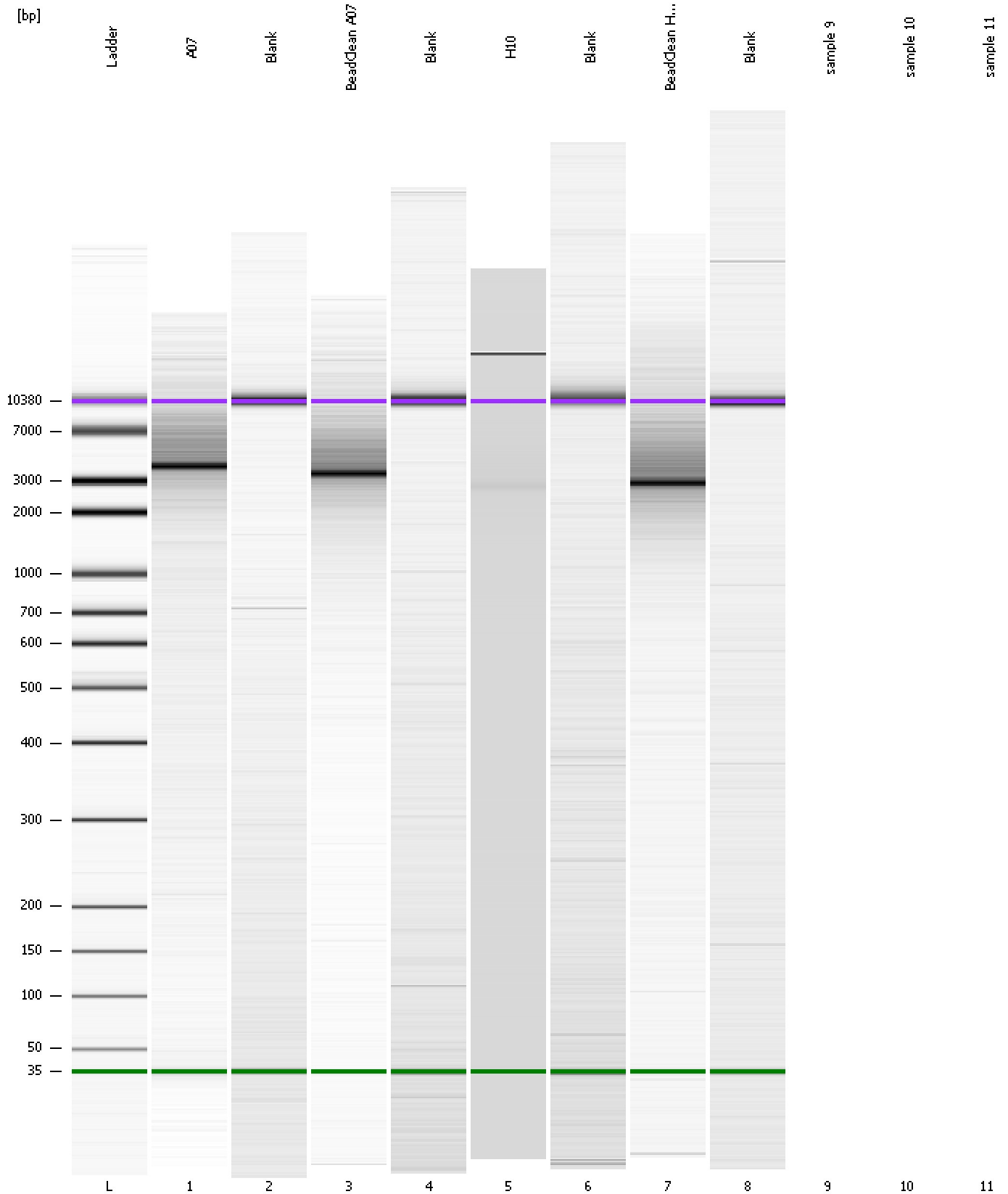
Region table for sample 8 : Blank

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	554	3.6	4.35	14.4	24	40.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
Modified: 2/14/2018 1:11:08 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-14\2018-02-14_002.xad

Created: 2/14/2018 12:38:25 PM
Modified: 2/14/2018 1:11:08 PM

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.