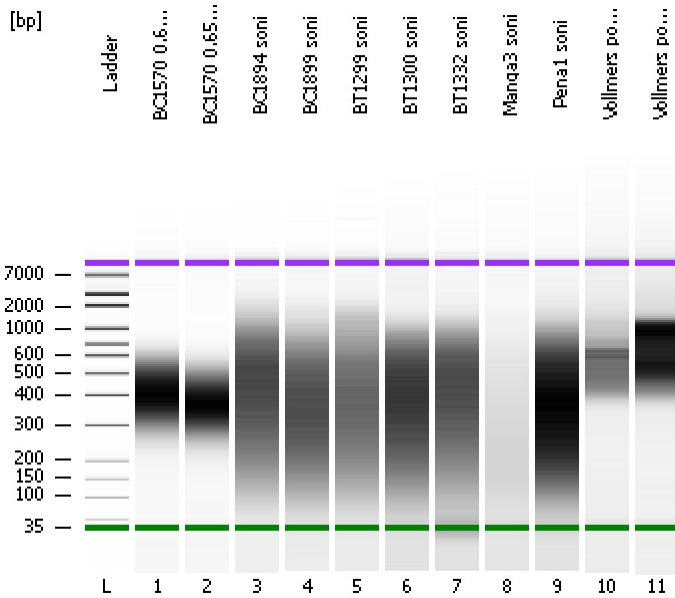


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
Modified: 12/10/2015 11:28:42 AM

Electrophoresis File Run Summary



Instrument Information:

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

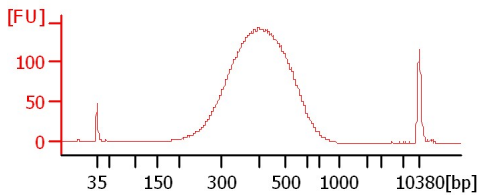
Assay Information:

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

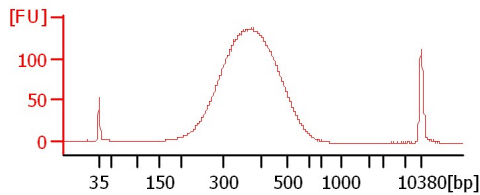
Chip Information:

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

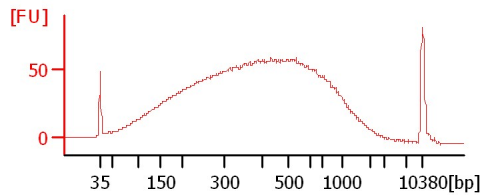
BC1570 0.6R/0.75L



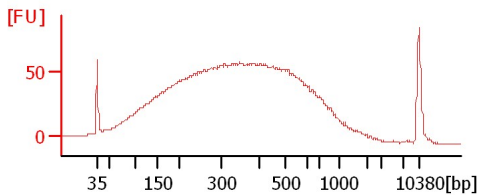
BC1570 0.65R/0.8L



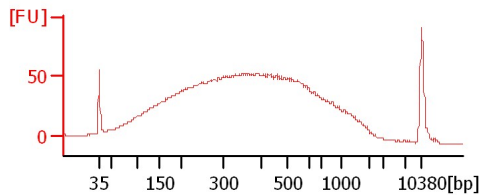
BC1894 soni



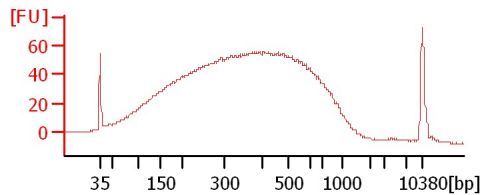
BC1899 soni



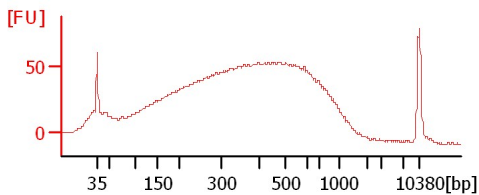
BT1299 soni



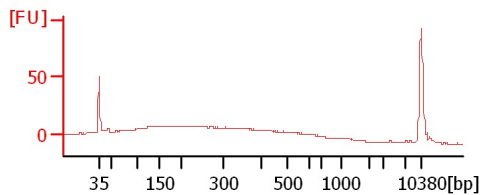
BT1300 soni



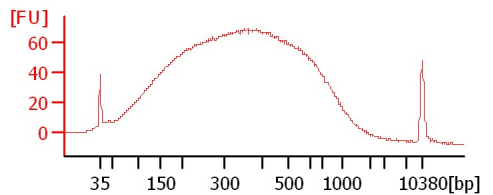
BT1332 soni



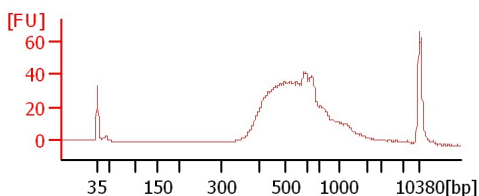
Manga3 soni



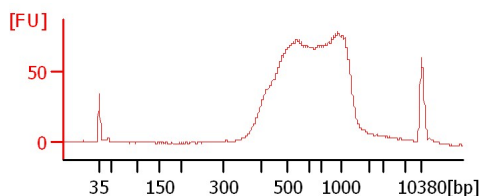
Pena1 soni



Vollmers pooling #1 12/1/2015



Vollmers pooling #2 12/1/2015



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
BC1570 0.6R/0.75L		<input type="checkbox"/>	✓			
BC1570 0.65R/0.8L		<input type="checkbox"/>	✓			
BC1894 soni		<input type="checkbox"/>	✓			
BC1899 soni		<input type="checkbox"/>	✓			
BT1299 soni		<input type="checkbox"/>	✓			
BT1300 soni		<input type="checkbox"/>	✓			
BT1332 soni		<input type="checkbox"/>	✓			
Manga3 soni		<input type="checkbox"/>	✓			
Pena1 soni		<input type="checkbox"/>	✓			
Vollmers pooling #1 12/1/2015		<input type="checkbox"/>	✓			
Vollmers pooling #2 12/1/2015		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
Modified: 12/10/2015 11:28:42 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

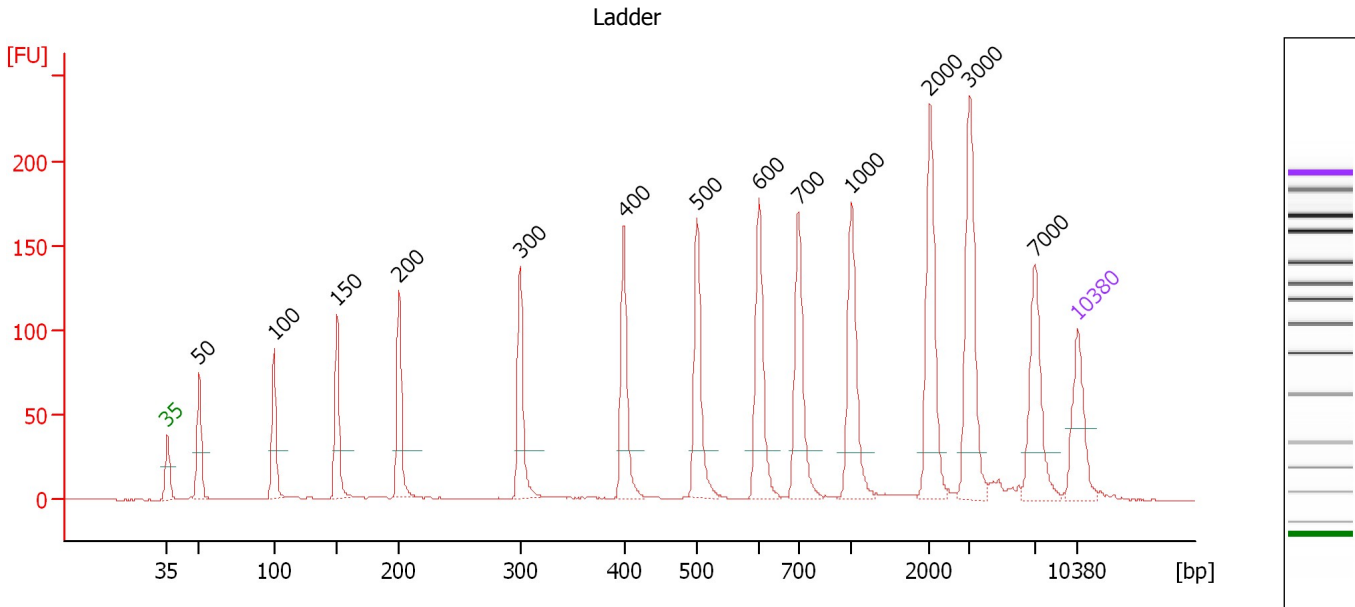
Ladder

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:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

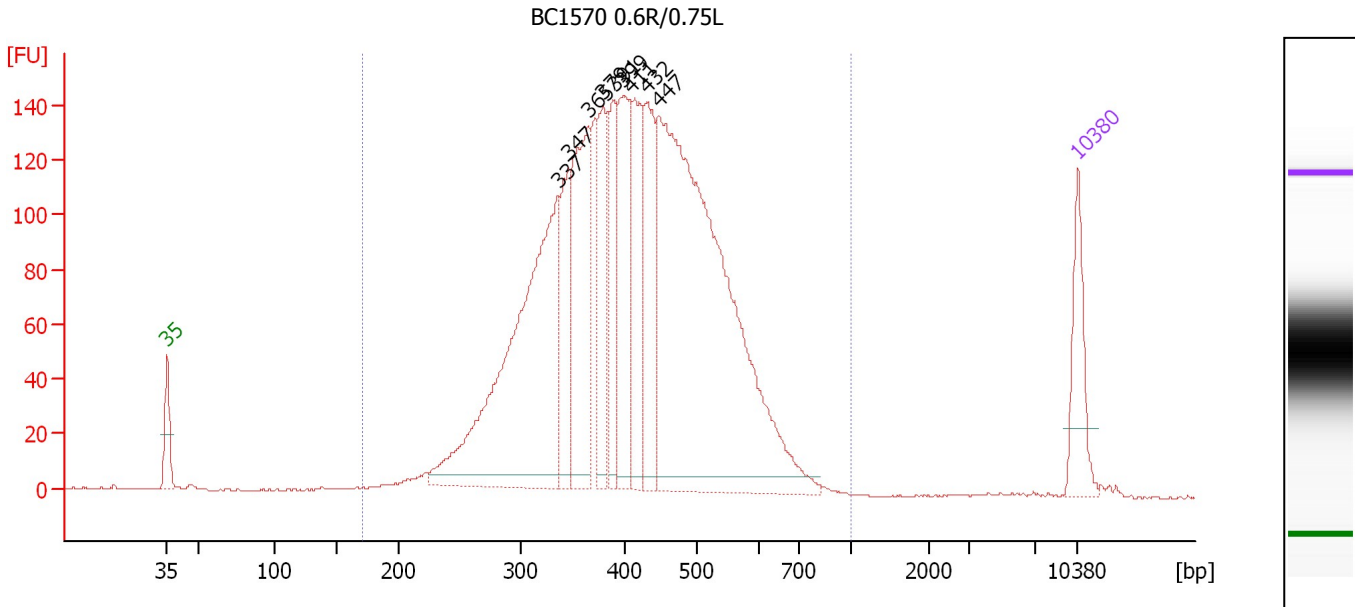
Peak table for Ladder

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	45.46
3	100	150.00	2,272.7	Ladder Peak	51.22
4	150	150.00	1,515.2	Ladder Peak	56.04
5	200	150.00	1,136.4	Ladder Peak	60.82
6	300	150.00	757.6	Ladder Peak	70.11
7	400	150.00	568.2	Ladder Peak	78.09
8	500	150.00	454.5	Ladder Peak	83.71
9	600	150.00	378.8	Ladder Peak	88.49
10	700	150.00	324.7	Ladder Peak	91.51
11	1,000	150.00	227.3	Ladder Peak	95.59
12	2,000	150.00	113.6	Ladder Peak	101.63
13	3,000	150.00	75.8	Ladder Peak	104.69
14	7,000	150.00	32.5	Ladder Peak	109.66
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : BC1570 0.6R/0.75L

Number of peaks found: 9 Corr. Area 1: 3,085.3
 Noise: 0.3

Peak table for sample 1 : BC1570 0.6R/0.75L

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	337	674.24	3,033.9		73.04
3	347	140.67	613.7		73.88
4	365	276.56	1,146.7		75.33
5	379	151.24	603.8		76.46
6	391	124.13	481.5		77.34
7	399	203.36	771.4		78.05
8	411	173.30	639.1		78.70
9	432	176.29	618.8		79.87
10	447	1,066.83	3,612.1		80.76
11	10,380	75.00	10.9	Upper Marker	113.00

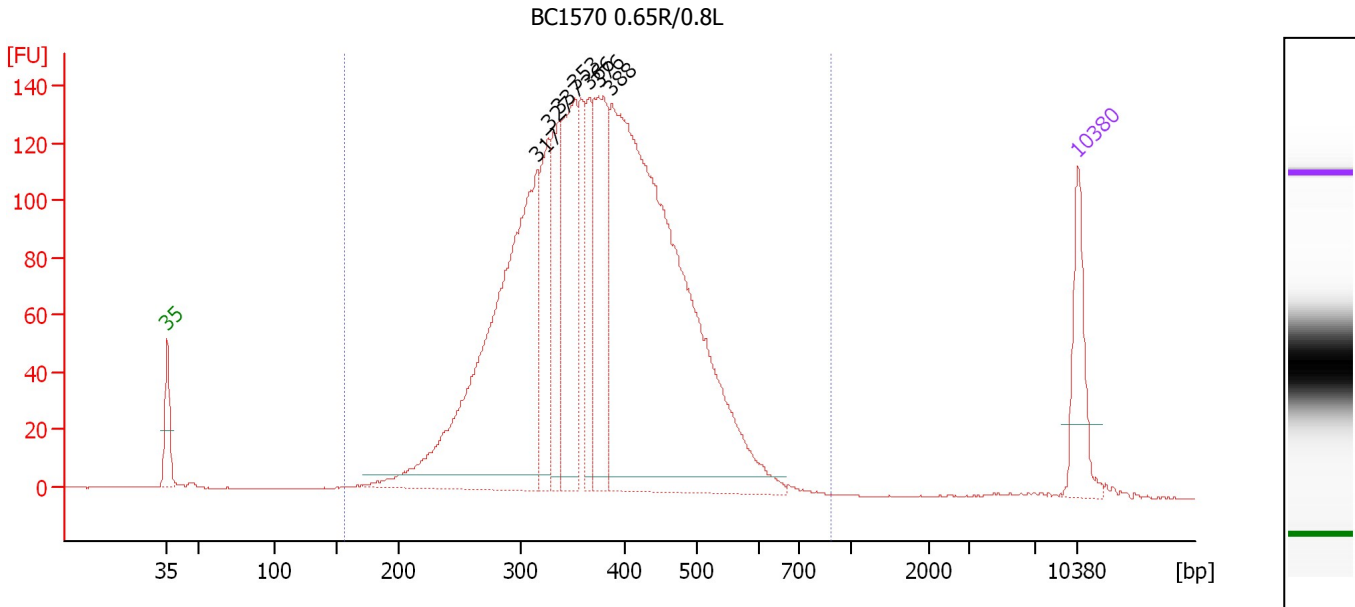
Region table for sample 1 : BC1570 0.6R/0.75L

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
170	1,000	418	3,085.3	12,621.6	3,217.70	98	23.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : BC1570 0.65R/0.8L

Number of peaks found: 7 Corr. Area 1: 2,844.0
 Noise: 0.2

Peak table for sample 2 : BC1570 0.65R/0.8L

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	317	764.28	3,655.2		71.45
3	327	152.56	706.1		72.30
4	337	159.22	715.0		73.09
5	353	252.53	1,084.9		74.31
6	366	116.55	482.2		75.39
7	376	220.08	887.8		76.15
8	388	1,167.74	4,560.6		77.13
9	10,380	75.00	10.9	Upper Marker	113.00

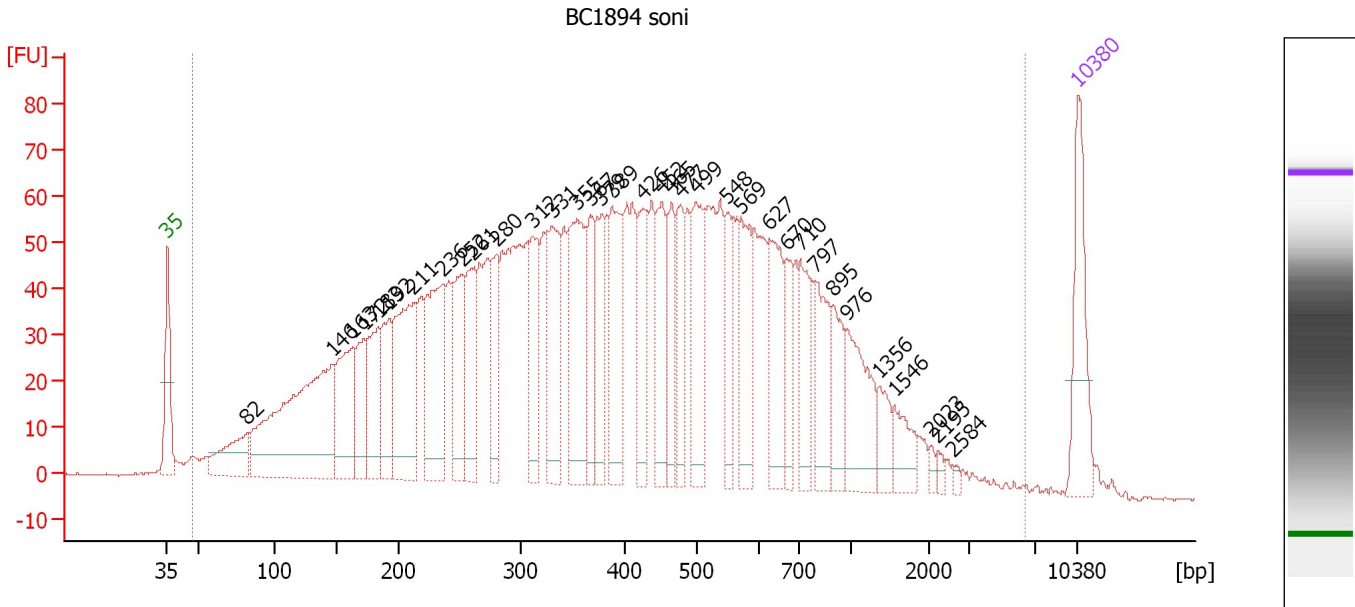
Region table for sample 2 : BC1570 0.65R/0.8L

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
155	889	379	2,844.0	12,860.6	2,999.35	99	22.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : BC1894 soni

Number of peaks found: 35 Corr. Area 1: 3,052.2
 Noise: 0.2

Peak table for sample 3 : BC1894 soni

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	82	83.75	1,554.1		49.10
3	146	377.89	3,914.3		55.68
4	163	131.54	1,221.3		57.31
5	172	74.72	659.4		58.12
6	183	99.60	824.0		59.21
7	192	84.73	668.2		60.07
8	211	188.11	1,348.3		61.88
9	236	167.13	1,075.1		64.12
10	252	98.83	594.3		65.65
11	261	95.00	551.0		66.51
12	280	75.04	405.7		68.27
13	312	91.53	444.1		71.09
14	331	112.30	514.4		72.56
15	355	150.86	644.5		74.47
16	367	66.82	275.7		75.47
17	379	70.93	283.9		76.38
18	389	121.21	472.5		77.19
19	426	82.78	294.8		79.53
20	452	86.73	290.8		81.00
21	465	61.75	201.0		81.77
22	477	66.38	210.7		82.43
23	499	98.83	300.4		83.63
24	548	55.16	152.5		86.01
25	569	95.32	253.8		87.01

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 AM

Electropherogram Summary Continued ...

... Peak table for sample 3 : BC1894 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	627	87.73	212.0		89.30
27	670	43.30	98.0		90.59
28	710	70.04	149.6		91.64
29	797	69.81	132.7		92.83
30	895	47.57	80.5		94.16
31	976	83.04	129.0		95.26
32	1,356	28.80	32.2		97.74
33	1,546	30.21	29.6		98.89
34	2,023	5.91	4.4		101.70
35	2,195	5.09	3.5		102.22
36	2,584	3.51	2.1		103.42
37	10,380	75.00	10.9	Upper Marker	113.00

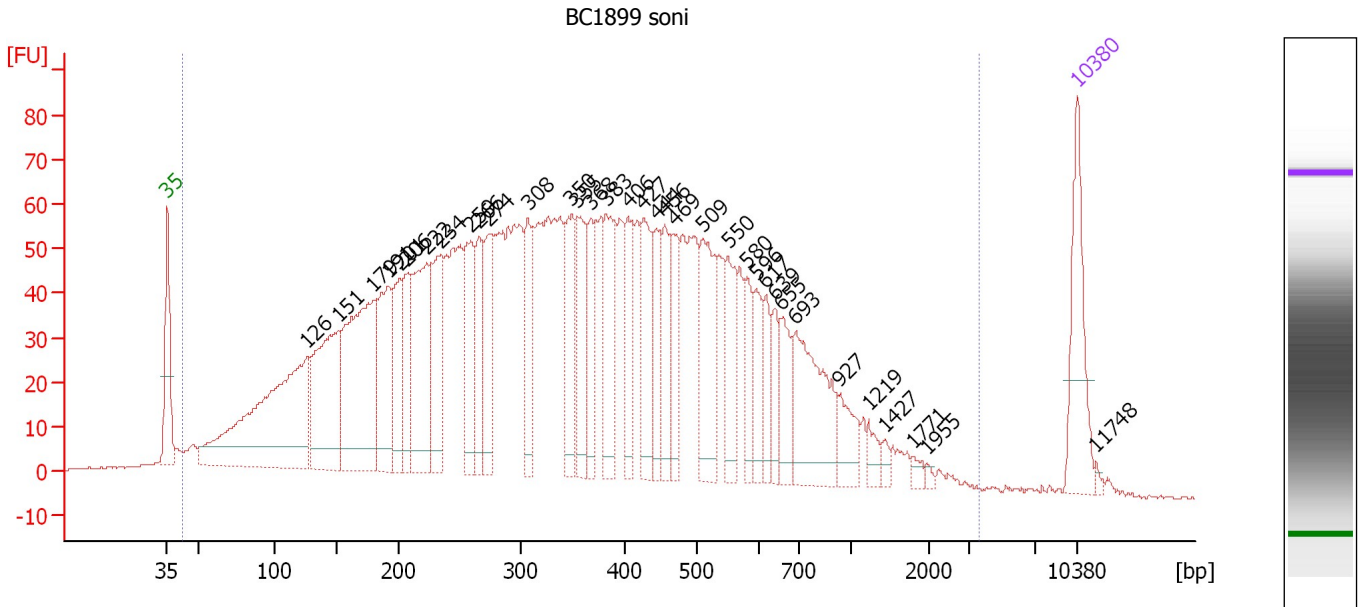
Region table for sample 3 : BC1894 soni

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
47	6,478	495	3,052.2	26,092.0	4,490.08	99	89.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : BC1899 soni

Number of peaks found: 35 Corr. Area 1: 3,103.7
 Noise: 0.2

Peak table for sample 4 : BC1899 soni

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	126	396.55	4,769.2		53.72
3	151	207.89	2,085.9		56.14
4	179	286.01	2,416.9		58.85
5	191	129.68	1,029.1		59.96
6	201	93.95	709.9		60.87
7	206	79.76	587.4		61.36
8	222	174.19	1,186.8		62.90
9	234	103.06	666.3		64.01
10	259	103.91	607.1		66.33
11	266	74.99	427.0		66.96
12	274	92.40	511.1		67.69
13	308	72.92	359.0		70.73
14	350	73.34	317.9		74.06
15	355	87.53	373.6		74.50
16	368	64.74	266.3		75.56
17	383	92.82	367.4		76.72
18	406	65.11	243.2		78.41
19	427	81.43	288.9		79.62
20	444	56.69	193.3		80.58
21	456	60.64	201.7		81.21
22	469	54.76	176.8		81.99
23	509	100.78	299.7		84.16
24	550	67.88	187.1		86.09
25	580	38.44	100.4		87.54

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 AM

Electropherogram Summary Continued ...

... Peak table for sample 4 : BC1899 soni

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	596	41.34	105.0		88.31
27	617	33.70	82.8		88.99
28	639	32.07	76.0		89.67
29	655	46.01	106.4		90.15
30	693	130.83	285.9		91.31
31	927	34.43	56.3		94.59
32	1,219	14.11	17.5		96.91
33	1,427	6.46	6.9		98.17
34	1,771	6.44	5.5		100.25
35	1,955	3.13	2.4		101.36
36	10,380	75.00	10.9	Upper Marker	113.00
37	11,748	0.00	0.0		114.35

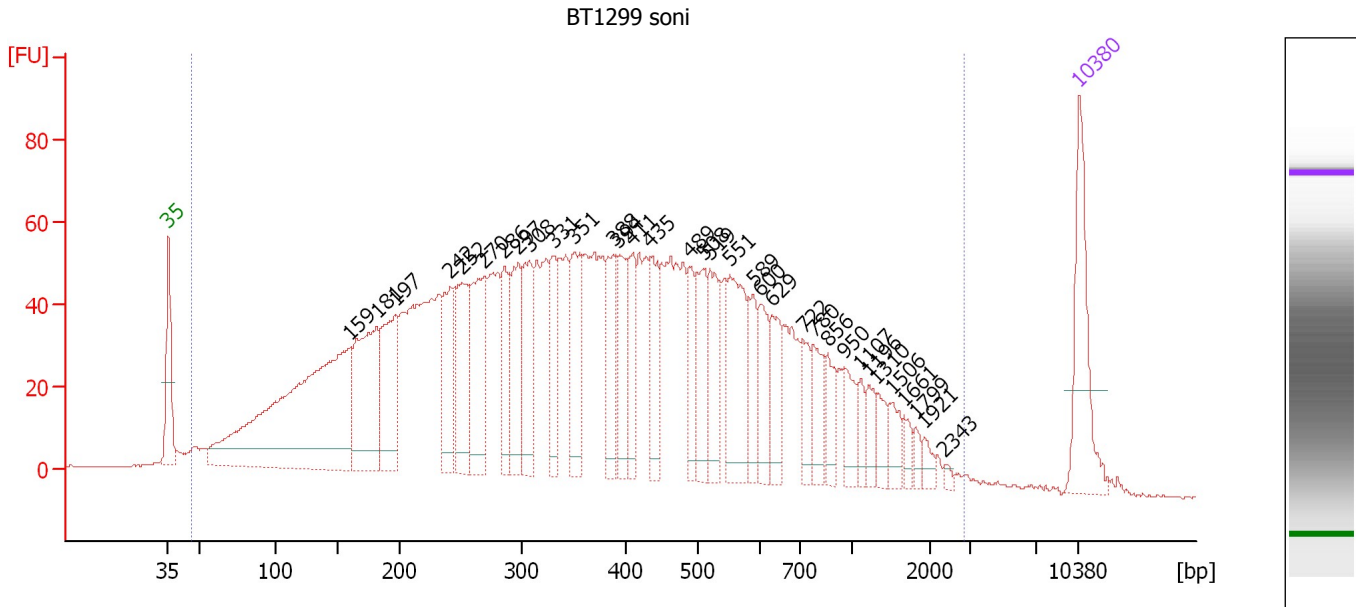
Region table for sample 4 : BC1899 soni

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/µl]	% of Total	Size distribution in CV [%]
42	3,588	407	3,103.7	30,235.6	4,522.77	98	72.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : BT1299 soni

Number of peaks found: 34 Corr. Area 1: 2,929.6
 Noise: 0.2

Peak table for sample 5 : BT1299 soni

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	159	498.85	4,766.9		56.86
3	181	174.46	1,459.0		59.03
4	197	120.41	927.9		60.50
5	242	83.42	523.3		64.68
6	252	93.73	564.5		65.61
7	270	110.28	619.8		67.28
8	286	65.13	345.0		68.81
9	297	78.17	398.6		69.84
10	308	82.38	405.6		70.72
11	331	58.12	266.0		72.59
12	351	91.06	392.6		74.21
13	388	63.84	249.0		77.16
14	394	55.19	212.3		77.61
15	411	50.22	185.3		78.69
16	435	56.11	195.4		80.06
17	489	48.50	150.2		83.11
18	508	60.70	181.0		84.10
19	519	61.89	180.5		84.64
20	551	98.38	270.4		86.16
21	589	39.25	100.9		87.98
22	600	43.74	110.5		88.47
23	629	43.98	106.0		89.36
24	722	25.63	53.8		91.81
25	780	38.20	74.2		92.60

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : BT1299 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	856	28.73	50.9		93.63
27	950	29.88	47.7		94.91
28	1,107	15.51	21.2		96.24
29	1,196	18.02	22.8		96.78
30	1,310	17.96	20.8		97.47
31	1,506	18.89	19.0		98.65
32	1,661	9.81	8.9		99.58
33	1,799	7.41	6.2		100.42
34	1,921	8.00	6.3		101.15
35	2,343	3.62	2.3		102.68
36	10,380	75.00	10.9	Upper Marker	113.00

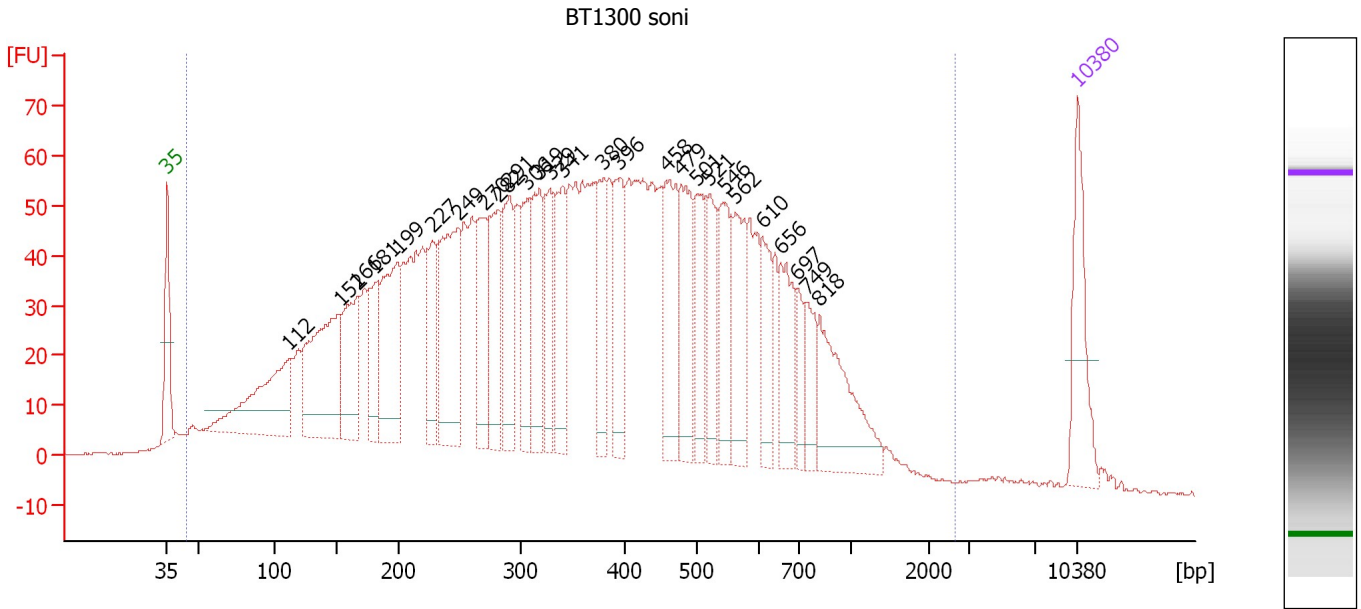
Region table for sample 5 : BT1299 soni

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Color [pg/μl]	% of Total	Size distribution in CV [%]
46	2,821	453	2,929.6	23,606.3	3,722.60	98	77.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : BT1300 soni

Number of peaks found: 27 Corr. Area 1: 2,964.8
 Noise: 0.2

Peak table for sample 6 : BT1300 soni

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	112	196.09	2,654.7		52.37
3	152	235.07	2,340.3		56.25
4	166	131.50	1,198.5		57.60
5	181	92.63	776.0		58.99
6	199	173.99	1,324.2		60.74
7	227	80.71	538.8		63.33
8	249	207.19	1,261.0		65.37
9	270	118.82	665.7		67.36
10	282	112.68	606.1		68.41
11	291	115.01	598.1		69.31
12	306	89.12	441.0		70.60
13	319	112.45	534.7		71.60
14	329	81.98	378.0		72.40
15	341	97.56	433.3		73.39
16	380	88.13	351.0		76.53
17	396	96.29	368.4		77.78
18	458	126.41	418.0		81.36
19	479	112.63	356.5		82.51
20	501	75.97	229.8		83.75
21	521	77.18	224.6		84.70
22	546	89.54	248.6		85.90
23	562	88.27	237.8		86.69
24	610	54.13	134.5		88.79
25	656	77.75	179.6		90.18

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 AM

Electropherogram Summary Continued ...

... Peak table for sample 6 : BT1300 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	697	35.32	76.7		91.43
27	749	45.99	93.0		92.17
28	818	127.34	235.7		93.12
29	10,380	75.00	10.9	Upper Marker	113.00

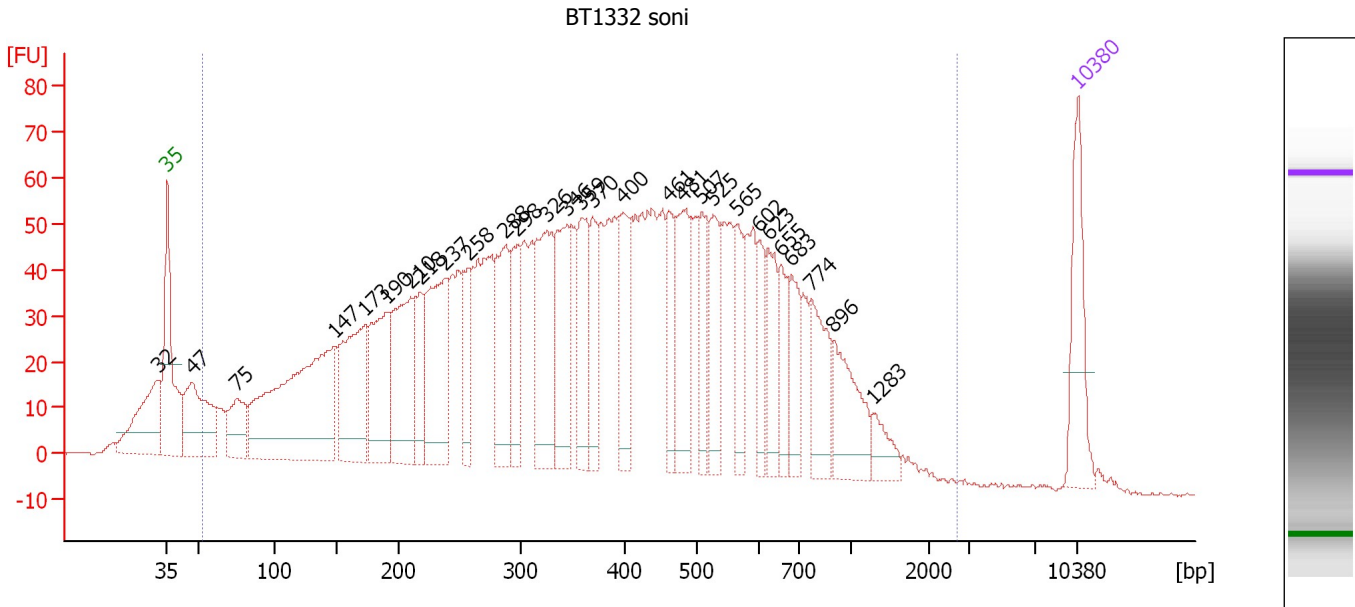
Region table for sample 6 : BT1300 soni

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
44	2,629	401	2,964.8	32,407.2	4,989.79	98	59.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : BT1332 soni

Number of peaks found: 29 Corr. Area 1: 2,802.5
 Noise: 0.2

Peak table for sample 7 : BT1332 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.25
2	35	125.00	5,411.3	Lower Marker	43.00
3	47	152.29	4,945.3		44.91
4	75	77.41	1,555.4		48.38
5	147	416.47	4,284.1		55.78
6	173	197.57	1,735.1		58.20
7	190	165.34	1,319.2		59.86
8	210	177.52	1,283.0		61.72
9	218	66.78	464.6		62.48
10	237	185.97	1,187.5		64.29
11	258	69.71	409.6		66.20
12	288	126.10	664.1		68.97
13	298	82.02	417.0		69.92
14	326	167.71	779.4		72.19
15	346	128.03	561.3		73.75
16	359	111.96	471.9		74.85
17	370	68.06	279.1		75.66
18	400	100.70	381.6		78.08
19	461	63.21	207.9		81.50
20	481	120.27	378.7		82.65
21	507	65.17	194.6		84.06
22	525	76.22	219.8		84.92
23	565	61.12	163.8		86.83
24	602	47.38	119.3		88.54
25	623	62.41	151.7		89.20

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 7 : BT1332 soni

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	655	48.63	112.5		90.15
27	683	58.23	129.1		91.01
28	774	79.27	155.1		92.52
29	896	85.63	144.8		94.18
30	1,283	26.68	31.5		97.30
31	10,380	75.00	10.9	Upper Marker	113.00

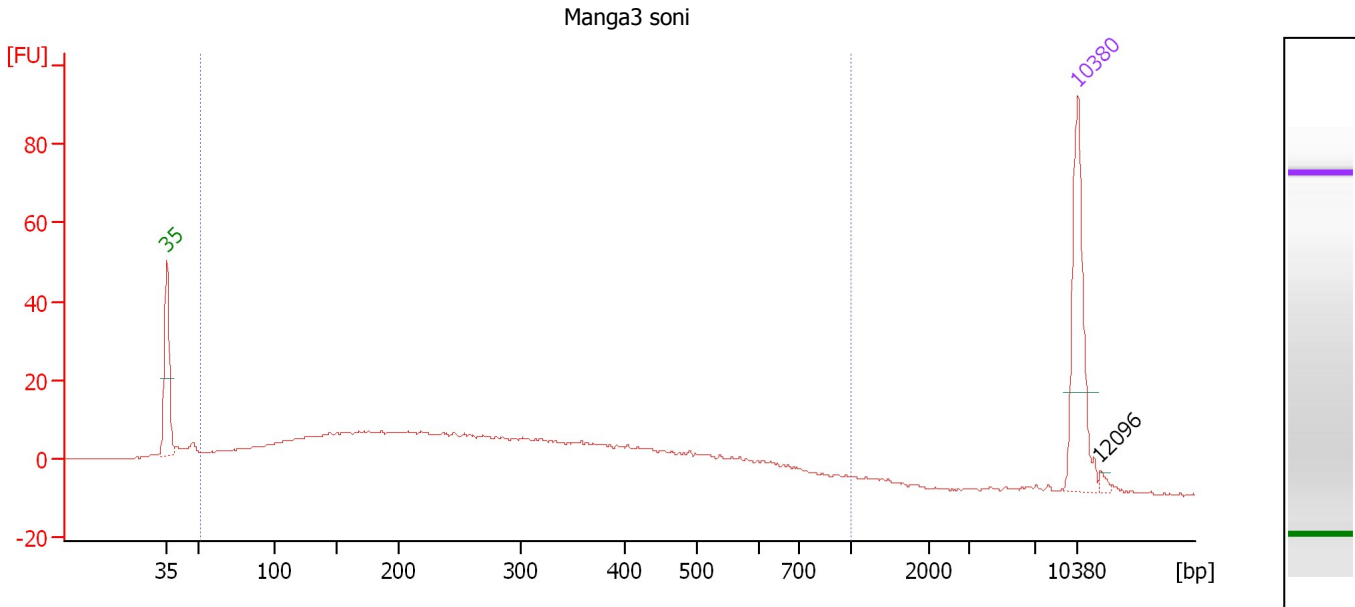
Region table for sample 7 : BT1332 soni

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
52	2,688	425	2,802.5	27,585.2	4,380.54	95	61.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : Manga3 soni

Number of peaks found: 1 Corr. Area 1: 501.1
 Noise: 0.2

Peak table for sample 8 : Manga3 soni

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
3	12,096	0.00	0.0		114.70

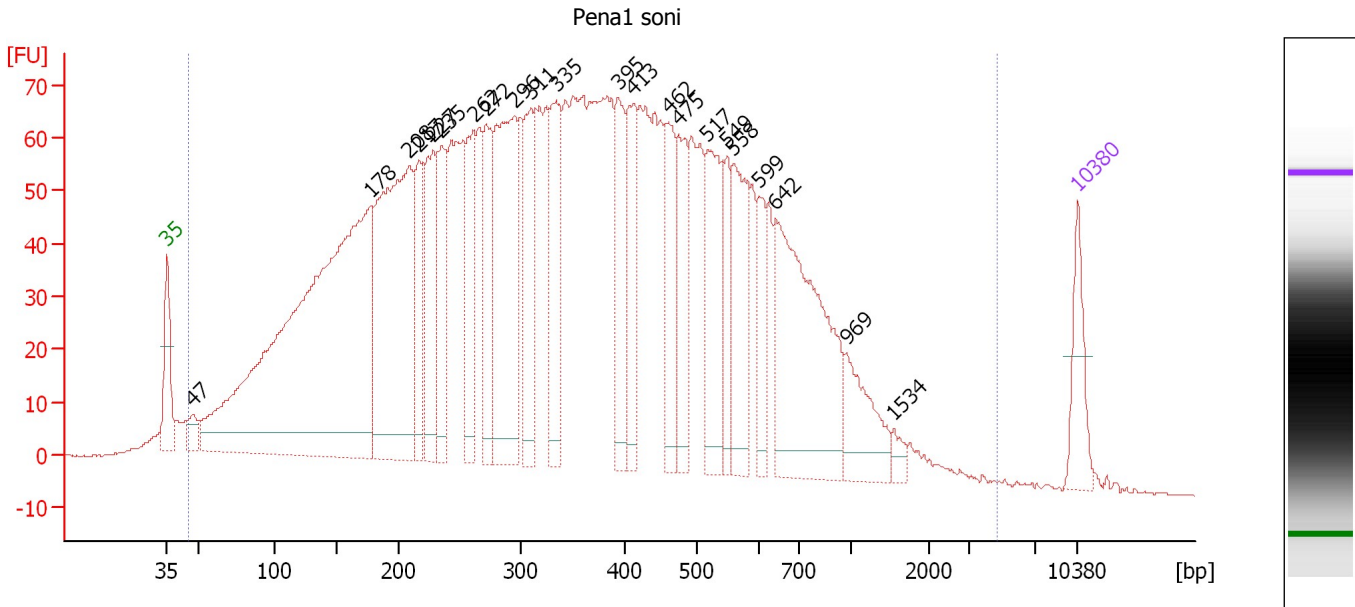
Region table for sample 8 : Manga3 soni

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
50	1,000	310	501.1	5,979.5	736.27	93	55.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : Penal soni

Number of peaks found: 22 Corr. Area 1: 3,571.4
 Noise: 0.2

Peak table for sample 9 : Penal soni

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	47	44.32	1,427.4		44.97
3	178	1,667.42	14,215.8		58.69
4	208	723.14	5,257.6		61.60
5	217	165.35	1,155.7		62.38
6	227	228.91	1,525.1		63.37
7	235	179.29	1,157.4		64.05
8	262	199.99	1,156.0		66.59
9	272	163.30	910.8		67.48
10	296	446.70	2,288.7		69.71
11	311	204.10	995.5		70.96
12	335	221.60	1,003.1		72.88
13	395	175.28	673.0		77.66
14	413	160.47	589.1		78.81
15	462	155.96	511.8		81.56
16	475	140.65	448.9		82.29
17	517	209.34	613.5		84.52
18	549	105.33	291.0		86.03
19	558	178.33	484.0		86.50
20	599	86.57	219.2		88.42
21	642	448.82	1,058.5		89.77
22	969	117.53	183.7		95.18
23	1,534	17.56	17.3		98.81
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
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Electropherogram Summary Continued ...

... Region table for sample 9 :

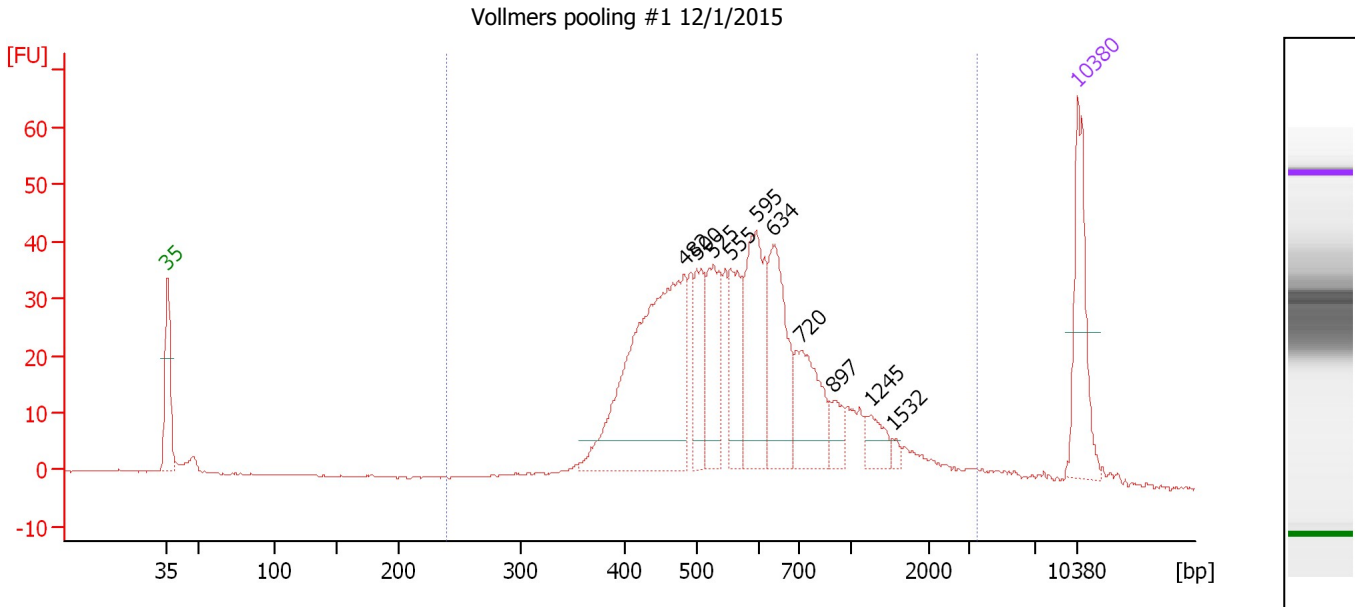
Pena1 soni

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
45	4,744	403	3,571.4	60,264.7	9,105.61	99	72.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : Vollmers pooling #1 12/1/2015

Number of peaks found: 10 Corr. Area 1: 723.3
 Noise: 0.2

Peak table for sample 10 : Vollmers pooling #1 12/1/2015

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	482	342.77	1,076.8		82.72
3	500	67.04	203.1		83.71
4	525	83.06	239.6		84.92
5	555	64.85	177.1		86.33
6	595	132.26	336.6		88.27
7	634	111.11	265.4		89.53
8	720	85.15	179.2		91.78
9	897	20.28	34.3		94.19
10	1,245	22.68	27.6		97.07
11	1,532	4.79	4.7		98.80
12	10,380	75.00	10.9	Upper Marker	113.00

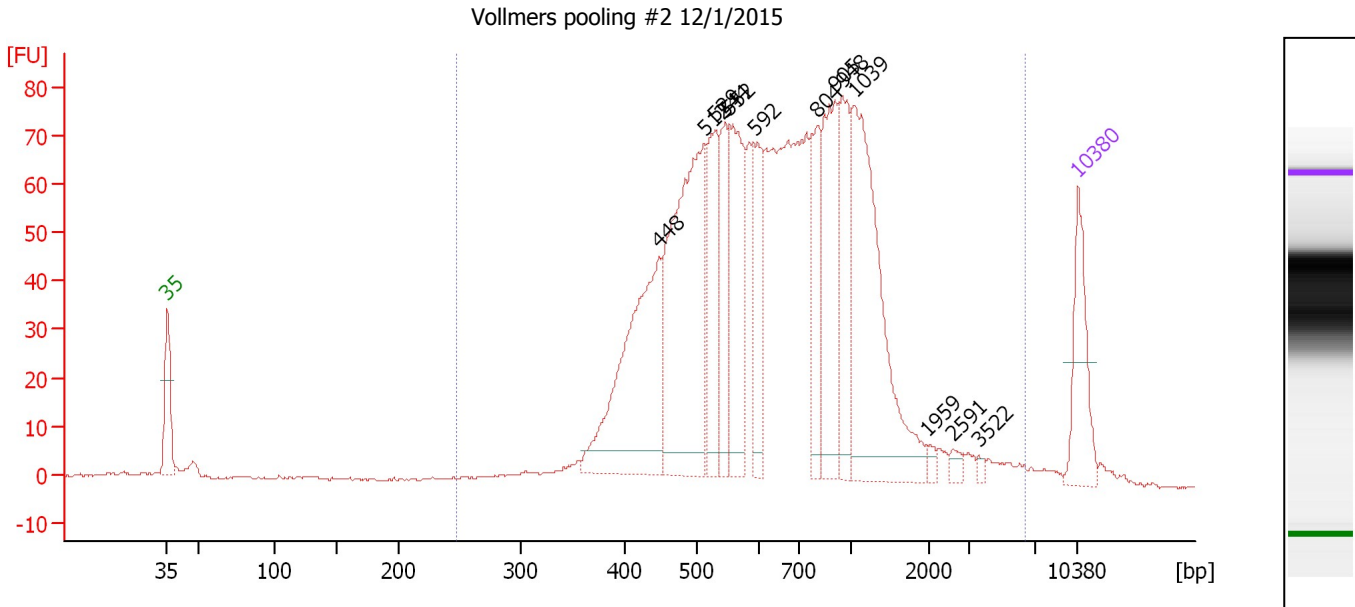
Region table for sample 10 : Vollmers pooling #1 12/1/2015

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
239	3,498	675	723.3	3,338.1	1,212.64	95	59.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : Vollmers pooling #2 12/1/2015

Number of peaks found: 13 Corr. Area 1: 1,628.0
 Noise: 0.3

Peak table for sample 11 : Vollmers pooling #2 12/1/2015

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	448	316.59	1,071.4		80.77
3	512	393.28	1,164.9		84.26
4	529	131.44	376.3		85.11
5	544	102.43	285.5		85.79
6	552	163.44	448.3		86.22
7	592	84.43	216.0		88.12
8	804	89.91	169.4		92.92
9	905	159.45	267.0		94.30
10	948	115.08	184.0		94.88
11	1,039	309.55	451.3		95.83
12	1,959	7.36	5.7		101.38
13	2,591	7.94	4.6		103.44
14	3,522	4.37	1.9		105.34
15	10,380	75.00	10.9	Upper Marker	113.00

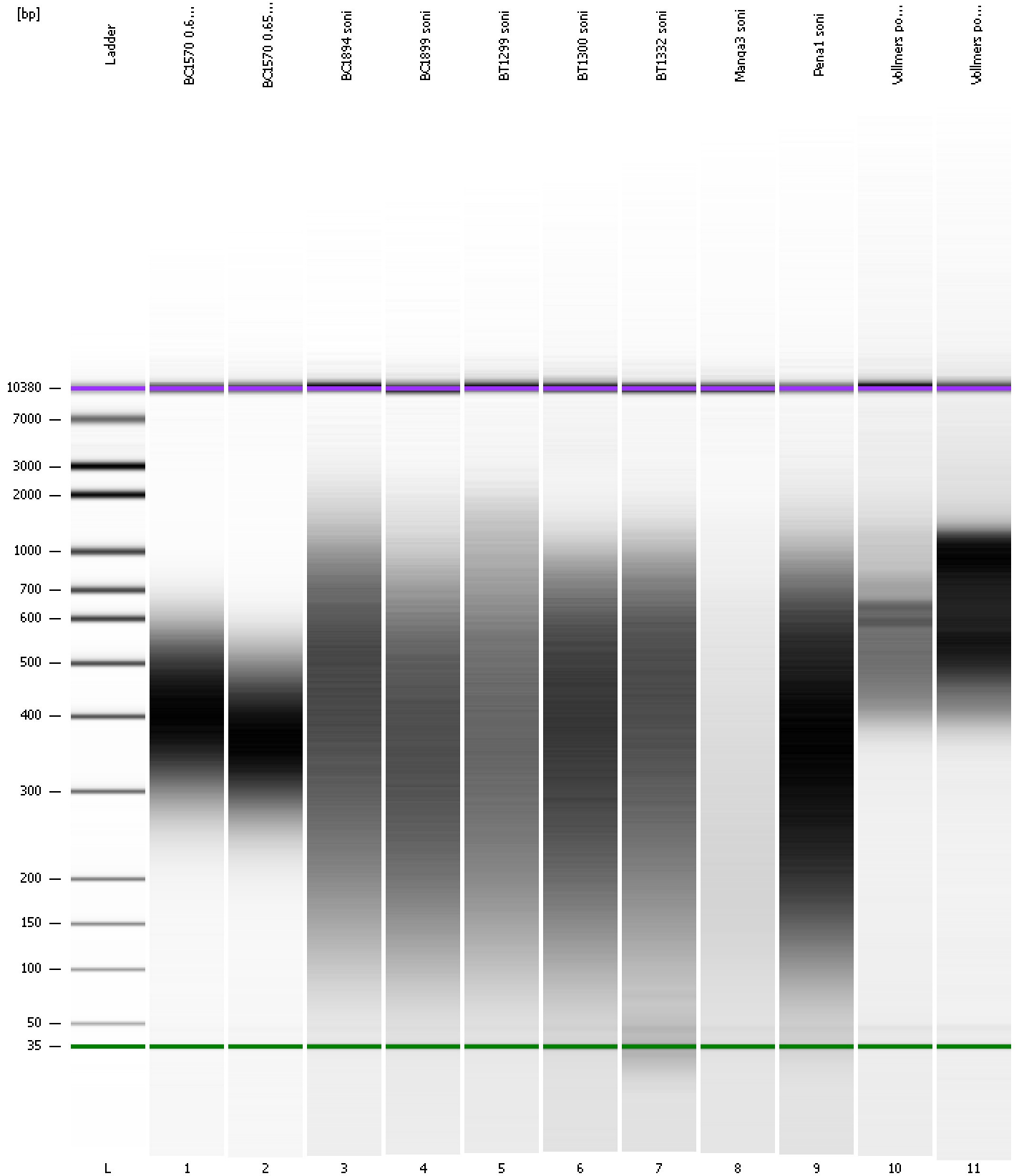
Region table for sample 11 : Vollmers pooling #2 12/1/2015

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
247	6,366	820	1,628.0	6,645.9	2,677.76	95	79.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

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Modified: 12/10/2015 11:28:42 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad

Created: 12/10/2015 10:42:57 AM
 Modified: 12/10/2015 11:28:42 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		12/10/2015 11:24:14 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-12-10\2015-12-10_001.xad)		Instrument	Run		12/10/2015 10:43:03 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/10/2015 10:43:03 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/10/2015 10:43:03 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/10/2015 10:43:03 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/10/2015 10:43:03 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/10/2015 10:43:03 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/10/2015 10:43:03 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1