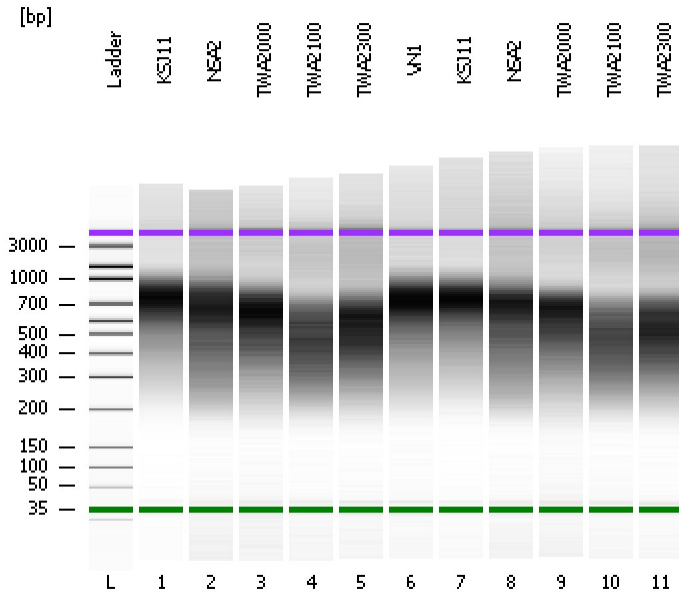


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
Modified: 1/13/2016 12:32:14 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

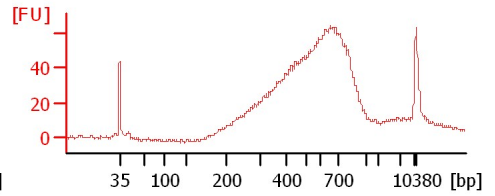
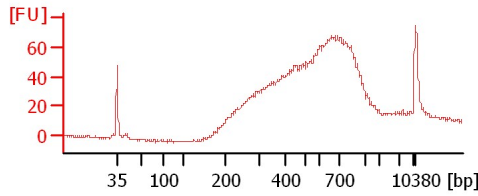
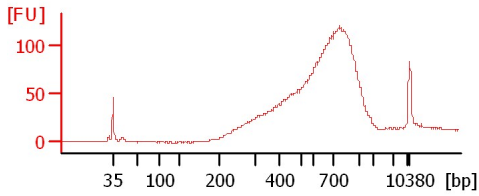
Chip Information:

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

KSJ11

NSA2

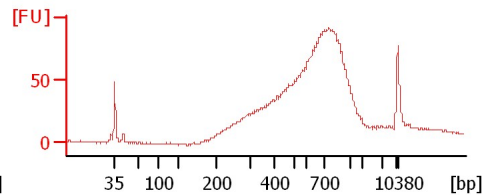
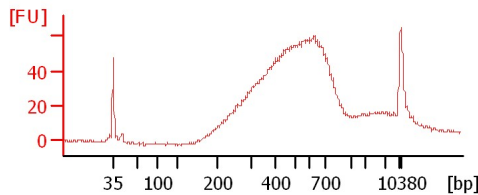
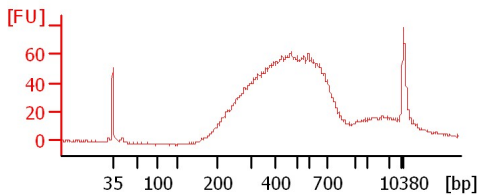
TWA2000



TWA2100

TWA2300

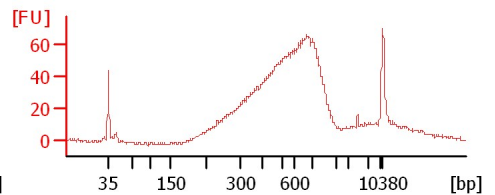
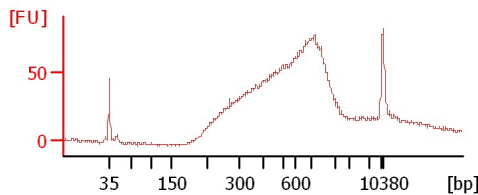
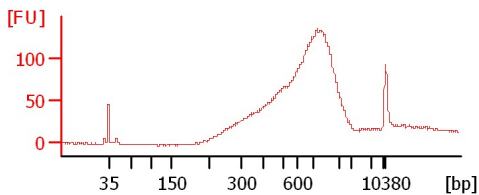
VN1



KSJ11

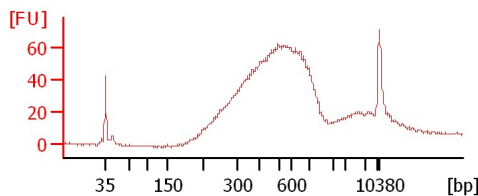
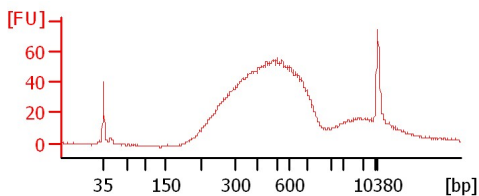
NSA2

TWA2000



TWA2100

TWA2300



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
 Modified: 1/13/2016 12:32:14 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
KSJ11		<input type="checkbox"/>	✓			
NSA2		<input type="checkbox"/>	✓			
TWA2000		<input type="checkbox"/>	✓			
TWA2100		<input type="checkbox"/>	✓			
TWA2300		<input type="checkbox"/>	✓			
VN1		<input type="checkbox"/>	✓			
KSJ11		<input type="checkbox"/>	✓			
NSA2		<input type="checkbox"/>	✓			
TWA2000		<input type="checkbox"/>	✓			
TWA2100		<input type="checkbox"/>	✓			
TWA2300		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
 Modified: 1/13/2016 12:32:14 PM

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

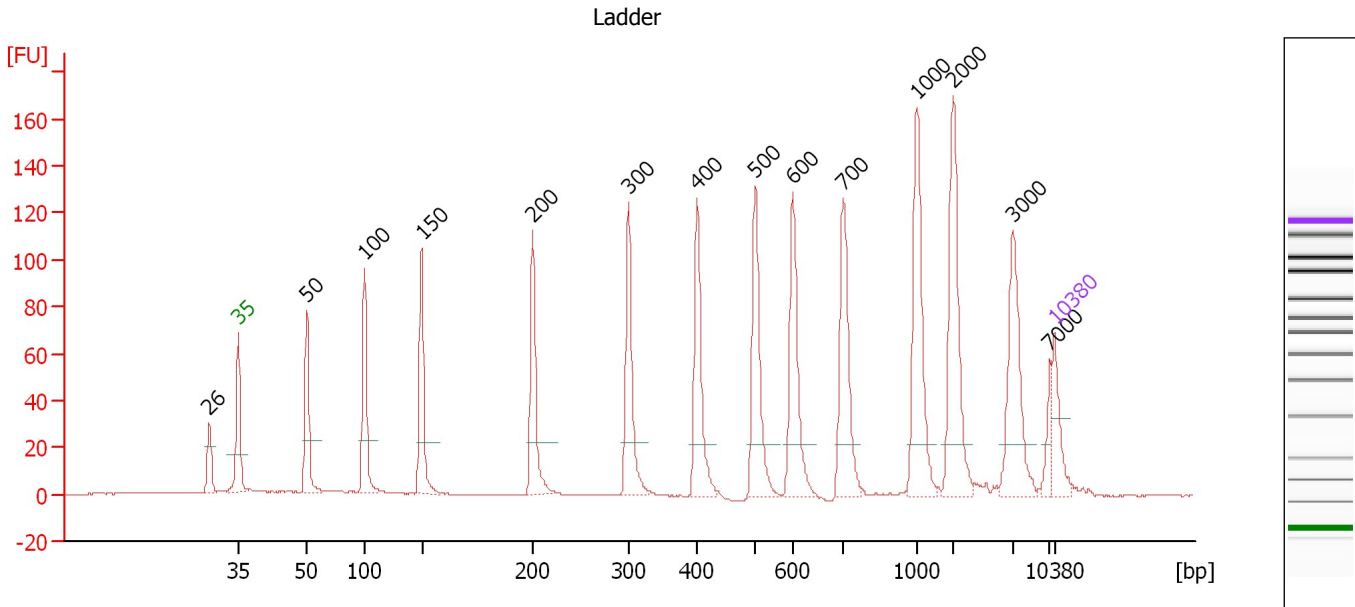
Ladder

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:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
 Modified: 1/13/2016 12:32:14 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

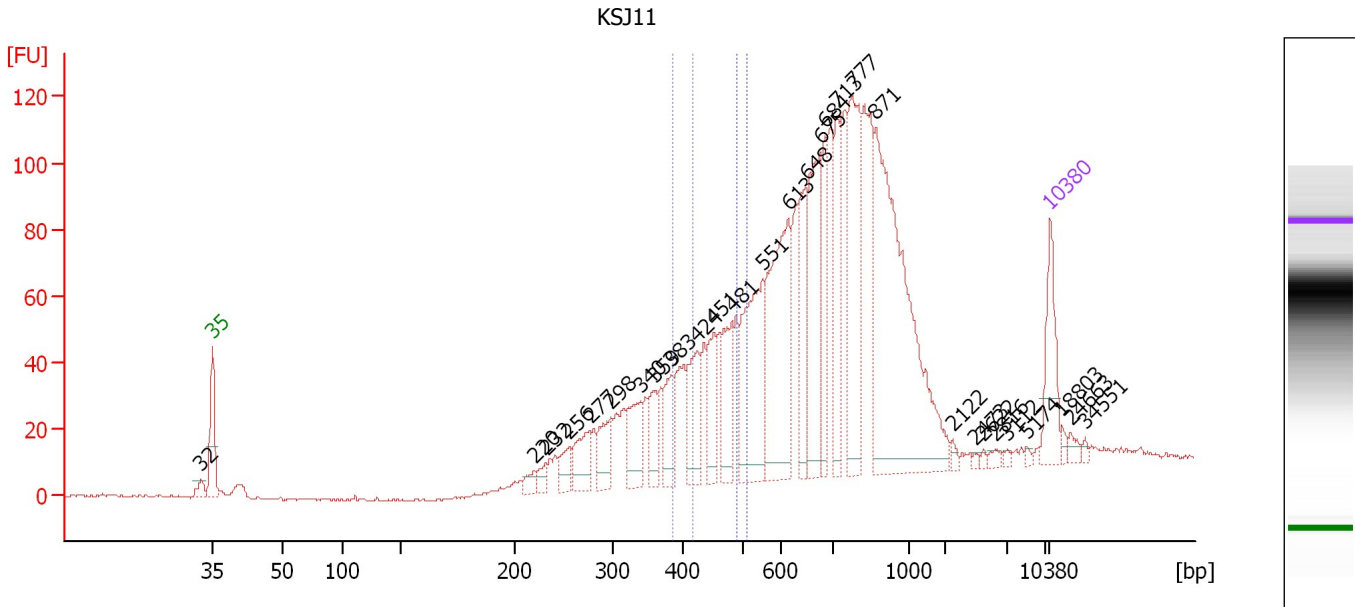
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	26	0.00	0.0		40.53
2	35	125.00	5,411.3	Lower Marker	43.00
3	50	150.00	4,545.5	Ladder Peak	48.90
4	100	150.00	2,272.7	Ladder Peak	53.84
5	150	150.00	1,515.2	Ladder Peak	58.73
6	200	150.00	1,136.4	Ladder Peak	68.24
7	300	150.00	757.6	Ladder Peak	76.47
8	400	150.00	568.2	Ladder Peak	82.37
9	500	150.00	454.5	Ladder Peak	87.35
10	600	150.00	378.8	Ladder Peak	90.55
11	700	150.00	324.7	Ladder Peak	94.89
12	1,000	150.00	227.3	Ladder Peak	101.16
13	2,000	150.00	113.6	Ladder Peak	104.31
14	3,000	150.00	75.8	Ladder Peak	109.39
15	7,000	150.00	32.5	Ladder Peak	112.59
16	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

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 Modified: 1/13/2016 12:32:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : KSJ11

Number of peaks found: 29 Corr. Area 1: 65.8
 Noise: 0.2 Corr. Area 2: 44.3

Peak table for sample 1 : KSJ11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.06
2	35	125.00	5,411.3	Lower Marker	43.00
3	220	20.47	141.0		69.89
4	232	19.38	126.6		70.87
5	256	40.06	237.3		72.83
6	277	69.39	379.7		74.57
7	298	63.29	321.7		76.31
8	340	84.57	377.4		78.80
9	359	53.77	226.8		79.96
10	383	64.53	255.0		81.39
11	424	95.43	340.8		83.57
12	451	78.38	263.3		84.91
13	481	98.71	310.6		86.43
14	551	225.06	619.4		88.97
15	613	273.14	675.3		91.11
16	648	117.14	274.0		92.62
17	675	186.85	419.1		93.83
18	684	104.31	231.2		94.18
19	713	118.62	252.1		95.17
20	777	220.71	430.4		96.50
21	871	524.55	912.5		98.46
22	2,122	6.51	4.7		104.93
23	2,473	3.33	2.0		106.71
24	2,622	3.66	2.1		107.47
25	2,816	6.96	3.7		108.45

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

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Electropherogram Summary Continued ...

... Peak table for sample 1 : KSJ11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	3,112	3.57	1.7		109.48
27	5,174	3.91	1.1		111.13
28	10,380	75.00	10.9	Upper Marker	113.00
29	18,803	0.00	0.0		114.03
30	24,663	0.00	0.0		114.74
31	34,551	0.00	0.0		115.94

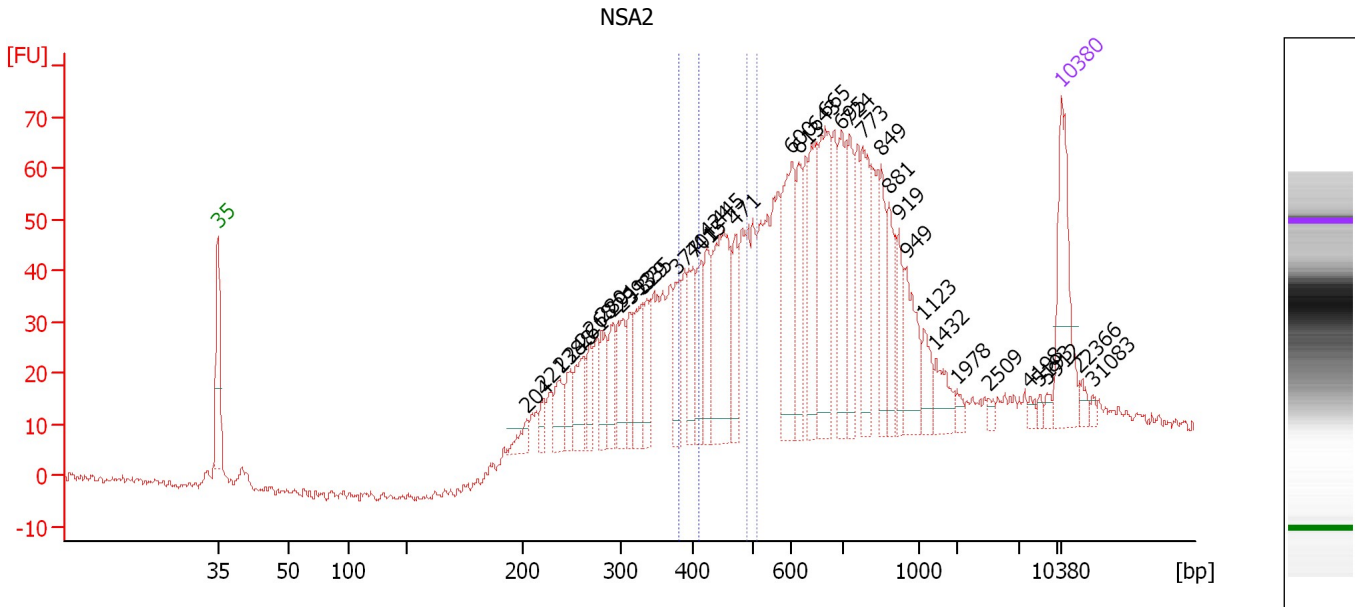
Region table for sample 1 : KSJ11

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
385	416	400	65.8	441.7	116.49	3	2.2
490	510	498	44.3	235.8	77.54	2	1.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
 Modified: 1/13/2016 12:32:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : NSA2

Number of peaks found: 38 Corr. Area 1: 39.5
 Noise: 0.9 Corr. Area 2: 76.5

Peak table for sample 2 : NSA2

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	204	17.47	129.8		68.56
3	221	17.33	118.8		69.97
4	238	34.84	222.0		71.34
5	248	29.37	179.5		72.19
6	261	45.46	264.1		73.25
7	268	30.09	169.9		73.87
8	280	40.36	218.3		74.84
9	291	39.40	205.2		75.72
10	299	48.82	247.4		76.39
11	313	36.25	175.6		77.23
12	329	50.60	232.8		78.20
13	335	37.83	170.9		78.55
14	377	42.23	169.9		80.98
15	401	46.32	175.2		82.40
16	415	47.02	171.7		83.11
17	424	43.12	154.2		83.55
18	445	131.42	447.4		84.61
19	471	47.35	152.4		85.89
20	600	103.61	261.8		90.54
21	613	51.34	126.9		91.11
22	643	80.51	189.6		92.44
23	665	113.91	259.6		93.37
24	695	73.35	159.8		94.69
25	724	62.51	130.8		95.40

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
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Electropherogram Summary Continued ...

... Peak table for sample 2 : NSA2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	773	73.42	143.9		96.42
27	849	46.01	82.1		98.01
28	881	47.06	80.9		98.67
29	919	32.69	53.9		99.47
30	949	54.24	86.6		100.09
31	1,123	23.86	32.2		101.55
32	1,432	24.77	26.2		102.52
33	1,978	7.22	5.5		104.24
34	2,509	4.40	2.7		106.90
35	4,198	4.37	1.6		110.35
36	5,193	3.66	1.1		111.14
37	5,912	5.24	1.3		111.72
38	10,380	75.00	10.9	Upper Marker	113.00
39	22,366	0.00	0.0		114.46
40	31,083	0.00	0.0		115.52

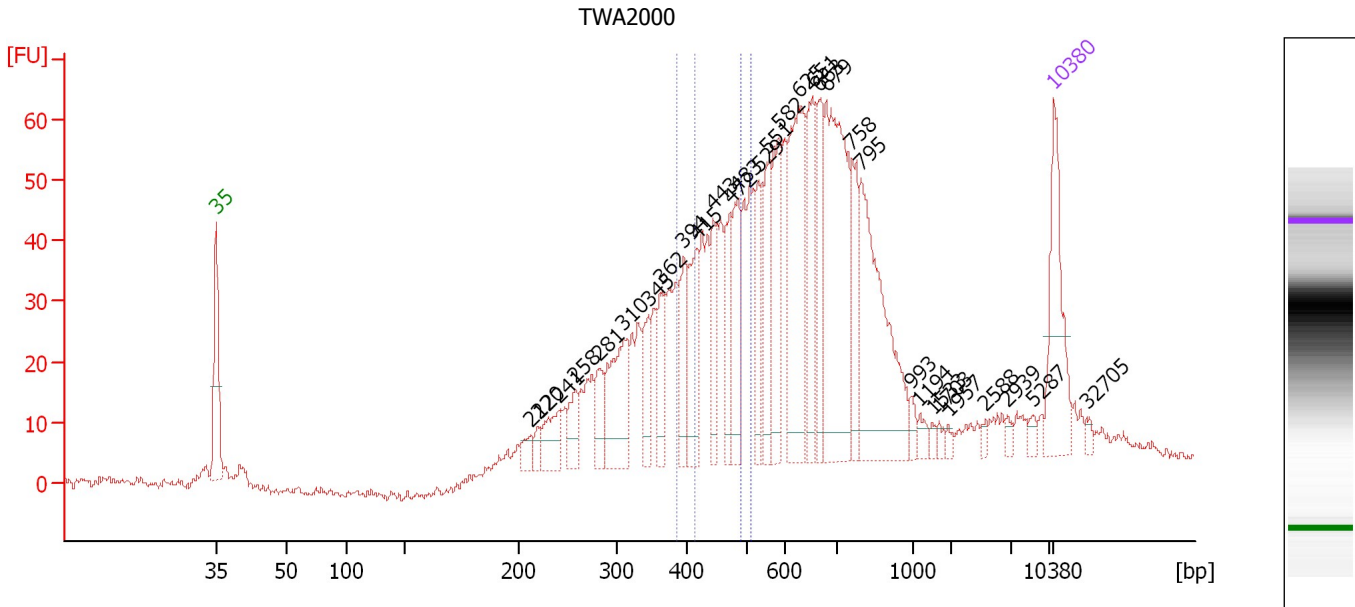
Region table for sample 2 : NSA2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
380	412	394	76.5	488.7	127.08	5	2.3
490	510	498	39.5	196.6	64.59	3	1.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : TWA2000

Number of peaks found: 31 Corr. Area 1: 57.4
 Noise: 0.9 Corr. Area 2: 43.8

Peak table for sample 3 : TWA2000

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	212	15.92	113.6		69.24
3	220	15.03	103.4		69.91
4	241	43.00	270.5		71.61
5	258	32.20	189.3		72.99
6	281	35.37	190.7		74.90
7	310	99.89	488.7		77.04
8	345	38.59	169.4		79.14
9	362	49.46	207.1		80.12
10	394	54.43	209.1		82.03
11	415	69.32	253.2		83.10
12	443	51.96	177.6		84.53
13	472	48.62	156.1		85.95
14	483	70.52	221.4		86.49
15	529	52.38	150.1		88.27
16	551	57.67	158.6		88.98
17	582	84.81	220.9		89.96
18	625	148.76	360.3		91.66
19	651	79.76	185.6		92.77
20	663	66.06	150.9		93.31
21	679	218.92	488.6		93.97
22	758	55.44	110.8		96.11
23	795	183.05	349.0		96.87
24	993	8.83	13.5		101.01
25	1,194	8.11	10.3		101.77

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

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Electropherogram Summary Continued ...

... Peak table for sample 3 : TWA2000

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,533	4.69	4.6		102.84
27	1,703	4.85	4.3		103.38
28	1,957	3.43	2.7		104.18
29	2,588	4.00	2.3		107.30
30	2,939	5.01	2.6		109.08
31	5,287	6.04	1.7		111.22
32	10,380	75.00	10.9	Upper Marker	113.00
33	32,705	0.00	0.0		115.72

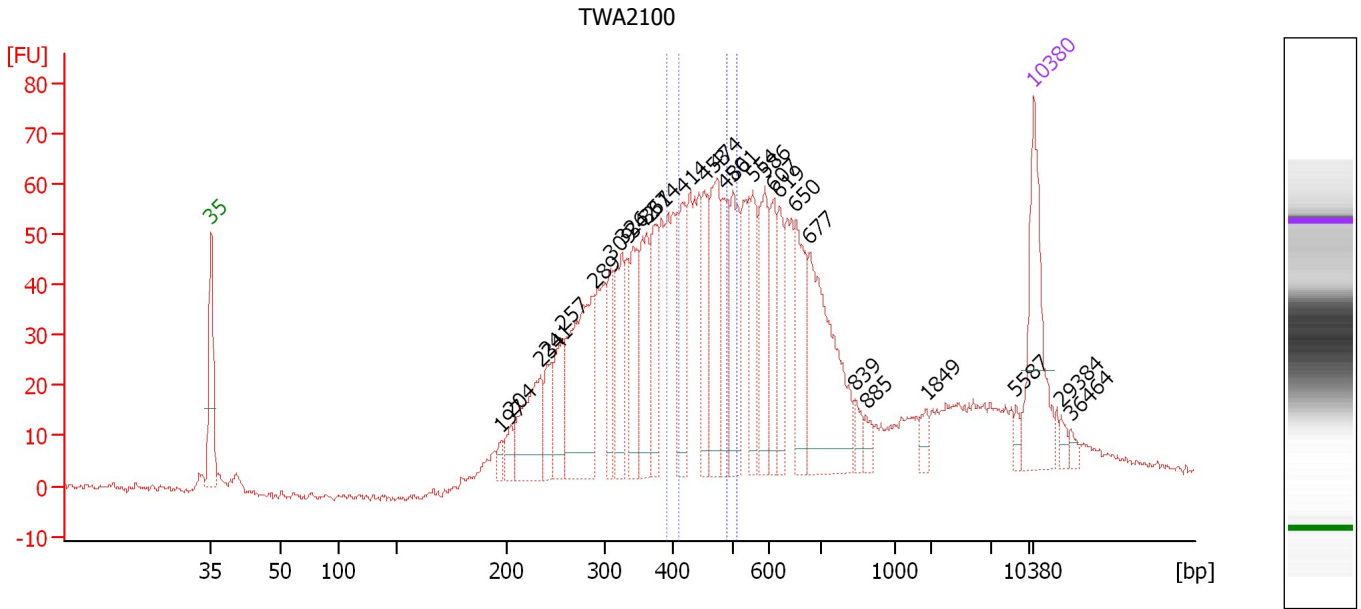
Region table for sample 3 : TWA2000

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
386	411	398	57.4	384.9	100.95	4	1.8
490	510	498	43.8	231.5	76.12	3	1.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : TWA2100

Number of peaks found: 28 Corr. Area 1: 61.5
 Noise: 0.6 Corr. Area 2: 52.6

Peak table for sample 4 : TWA2100

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	197	10.37	79.6		67.72
3	204	18.89	140.5		68.54
4	234	90.35	585.0		71.04
5	241	35.17	220.9		71.63
6	257	56.72	334.9		72.90
7	289	155.13	812.9		75.57
8	309	45.00	220.3		77.02
9	326	73.85	343.7		77.98
10	342	61.02	270.5		78.93
11	361	69.21	290.5		80.06
12	374	59.25	240.0		80.84
13	414	75.91	277.9		83.06
14	453	50.42	168.6		85.01
15	474	93.55	299.1		86.05
16	486	52.02	162.2		86.64
17	501	76.40	231.3		87.37
18	554	51.08	139.6		89.09
19	586	65.30	169.0		90.09
20	607	50.24	125.4		90.86
21	619	39.52	96.8		91.36
22	650	65.62	153.0		92.72
23	677	147.43	329.9		93.90
24	839	12.47	22.5		97.80
25	885	10.18	17.4		98.76

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad



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Electropherogram Summary Continued ...

... Peak table for sample 4 : TWA2100

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,849	8.77	7.2		103.84
27	5,587	6.34	1.7		111.46
28	10,380	75.00	10.9	Upper Marker	113.00
29	29,384	0.00	0.0		115.31
30	36,464	0.00	0.0		116.18

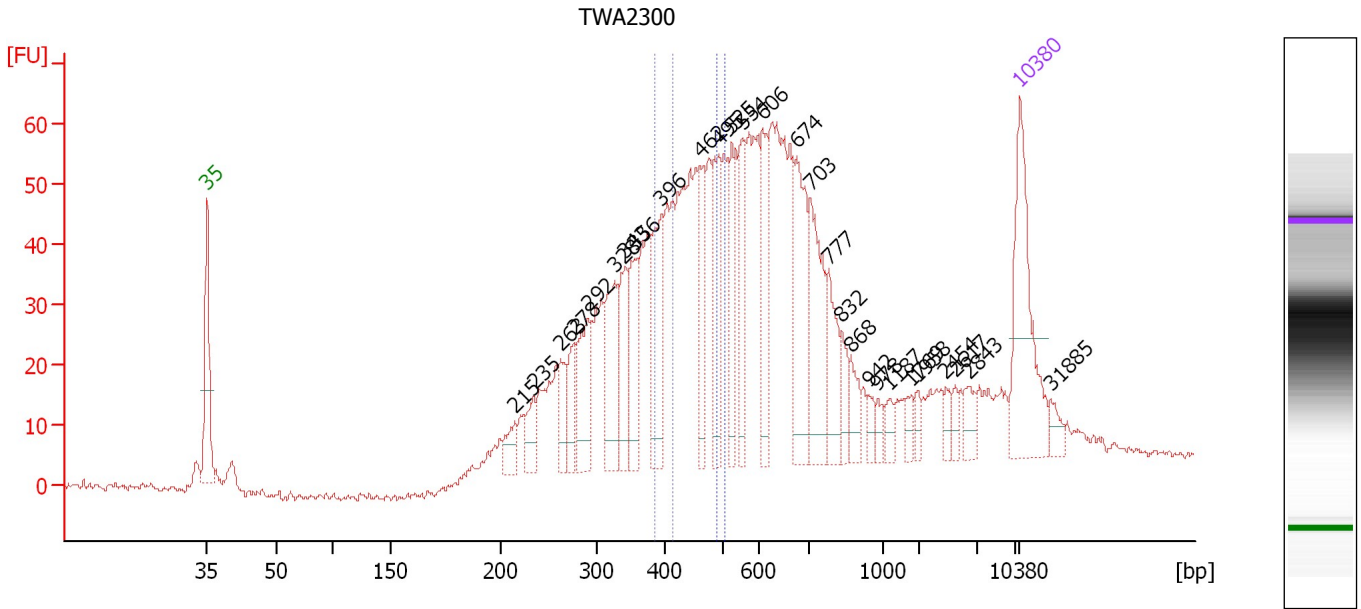
Region table for sample 4 : TWA2100

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
391	408	399	61.5	300.3	 78.98	4	1.3
490	510	498	52.6	203.4	 66.88	3	1.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : TWA2300

Number of peaks found: 28 Corr. Area 1: 75.7
 Noise: 0.8 Corr. Area 2: 49.0

Peak table for sample 5 : TWA2300

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	215	20.72	146.1		69.46
3	235	23.11	148.7		71.16
4	263	26.94	155.3		73.41
5	278	29.26	159.5		74.65
6	292	59.67	309.8		75.80
7	328	65.41	302.6		78.09
8	343	48.75	215.3		79.01
9	356	47.80	203.7		79.75
10	396	63.44	242.7		82.13
11	462	43.88	144.0		85.44
12	495	57.59	176.3		87.09
13	525	43.22	124.7		88.15
14	554	43.12	118.0		89.07
15	606	47.93	119.8		90.81
16	674	74.20	166.9		93.75
17	703	74.41	160.5		94.95
18	777	38.23	74.5		96.51
19	832	16.90	30.8		97.66
20	868	16.25	28.4		98.39
21	942	8.45	13.6		99.96
22	978	7.15	11.1		100.69
23	1,187	7.96	10.2		101.75
24	1,769	7.24	6.2		103.58
25	1,958	5.91	4.6		104.18

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad



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Electropherogram Summary Continued ...

... Peak table for sample 5 : TWA2300

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,454	6.05	3.7		106.62
27	2,617	6.13	3.5		107.44
28	2,843	10.65	5.7		108.59
29	10,380	75.00	10.9	Upper Marker	113.00
30	31,885	0.00	0.0		115.62

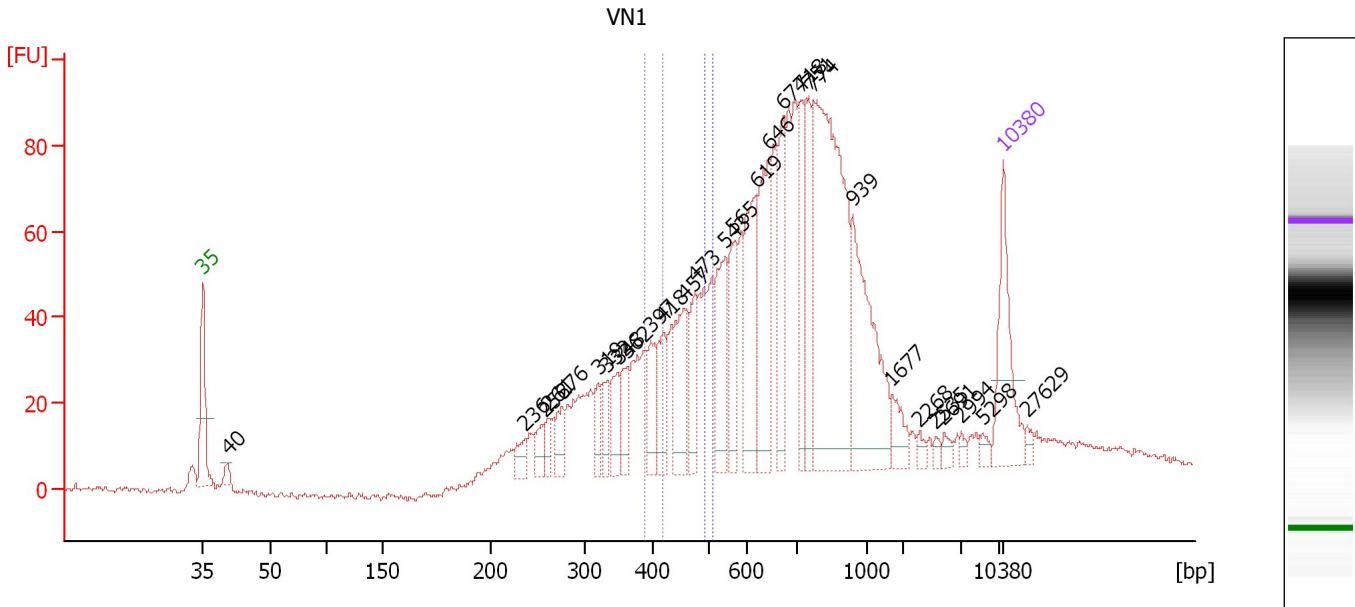
Region table for sample 5 : TWA2300

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
386	413	398	75.7	362.2	 95.17	5	2.0
490	510	498	49.0	185.3	 60.93	3	1.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
 Modified: 1/13/2016 12:32:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : VN1

Number of peaks found: 29 Corr. Area 1: 58.5
 Noise: 0.8 Corr. Area 2: 39.8

Peak table for sample 6 : VN1

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	40	13.67	511.8		45.15
3	236	21.67	139.2		71.19
4	256	23.19	137.4		72.82
5	261	19.28	112.0		73.24
6	276	32.78	180.3		74.45
7	319	28.83	137.0		77.58
8	332	27.29	124.7		78.33
9	348	38.86	169.1		79.31
10	362	38.20	160.1		80.10
11	397	46.16	176.1		82.20
12	418	50.29	182.2		83.27
13	457	80.97	268.7		85.19
14	473	54.77	175.3		86.03
15	543	82.96	231.4		88.73
16	565	68.93	184.8		89.43
17	619	106.27	259.9		91.39
18	646	124.48	291.8		92.56
19	674	83.47	187.6		93.77
20	718	76.67	161.8		95.27
21	751	75.13	151.5		95.97
22	774	370.76	726.1		96.43
23	939	163.02	263.0		99.89
24	1,677	23.70	21.4		103.29
25	2,268	6.25	4.2		105.67

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
 Modified: 1/13/2016 12:32:14 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : VN1

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,535	5.07	3.0		107.03
27	2,691	7.64	4.3		107.82
28	2,994	4.64	2.3		109.36
29	5,298	6.53	1.9		111.23
30	10,380	75.00	10.9	Upper Marker	113.00
31	27,629	0.00	0.0		115.10

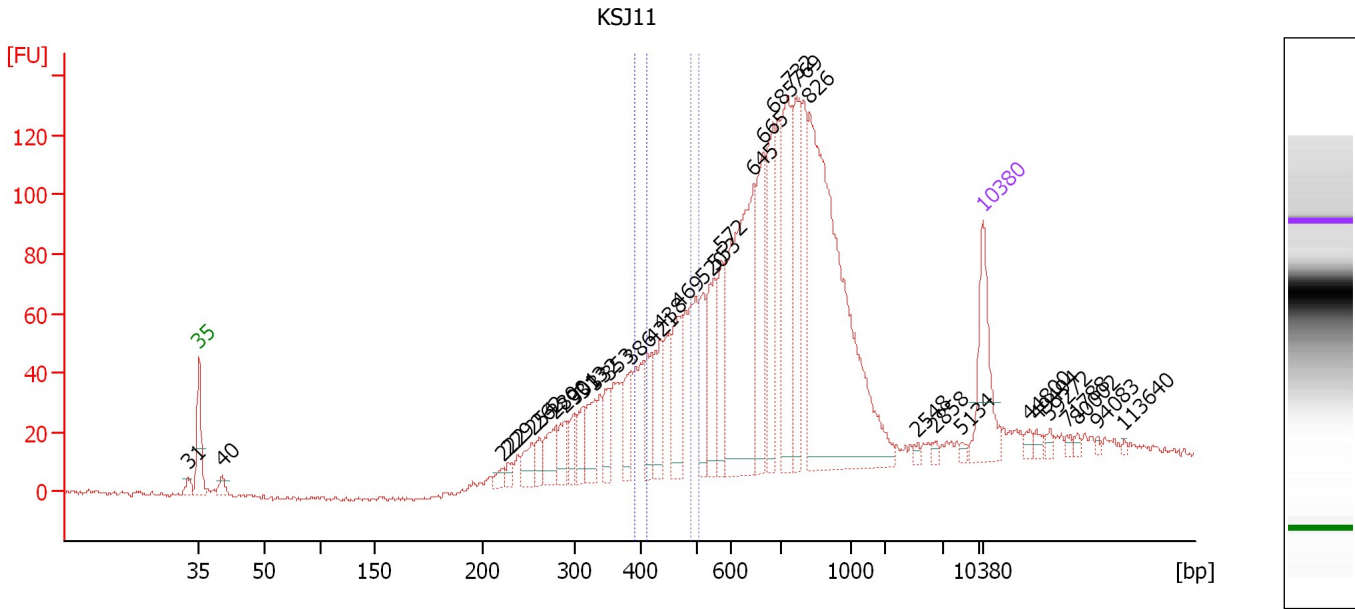
Region table for sample 6 : VN1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
388	418	402	58.5	327.2	86.79	3	2.2
490	510	498	39.8	178.1	58.54	2	1.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : KSJ11

Number of peaks found: 35 Corr. Area 1: 53.2
 Noise: 0.6 Corr. Area 2: 50.4

Peak table for sample 7 : KSJ11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.95
2	35	125.00	5,411.3	Lower Marker	43.00
3	40	19.04	717.3		45.05
4	222	13.13	89.6		70.05
5	229	12.55	83.1		70.62
6	254	31.87	189.8		72.71
7	262	21.45	123.8		73.38
8	280	47.10	255.0		74.81
9	290	34.31	179.5		75.62
10	301	28.89	145.5		76.52
11	313	31.27	151.4		77.24
12	332	48.63	222.2		78.33
13	353	38.22	164.2		79.57
14	386	43.51	170.9		81.52
15	421	52.56	189.0		83.43
16	438	62.21	215.4		84.24
17	469	79.11	255.5		85.81
18	520	58.71	171.0		88.00
19	553	89.61	245.5		89.05
20	572	58.67	155.3		89.67
21	645	303.33	712.1		92.52
22	665	122.28	278.5		93.38
23	685	126.68	280.2		94.24
24	732	164.60	340.5		95.57
25	769	118.14	232.8		96.33

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad



Created: 12/18/2015 11:51:45 AM
 Modified: 1/13/2016 12:32:14 PM

Electropherogram Summary Continued ...

... Peak table for sample 7 : KSJ11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	826	522.22	958.0		97.52
27	2,548	4.28	2.5		107.10
28	2,858	4.43	2.3		108.67
29	5,134	4.09	1.2		111.10
30	10,380	75.00	10.9	Upper Marker	113.00
31	44,800	0.00	0.0		117.19
32	49,494	0.00	0.0		117.76
33	59,272	0.00	0.0		118.95
34	71,788	0.00	0.0		120.48
35	80,002	0.00	0.0		121.48
36	94,083	0.00	0.0		123.19
37	113,640	0.00	0.0		125.57

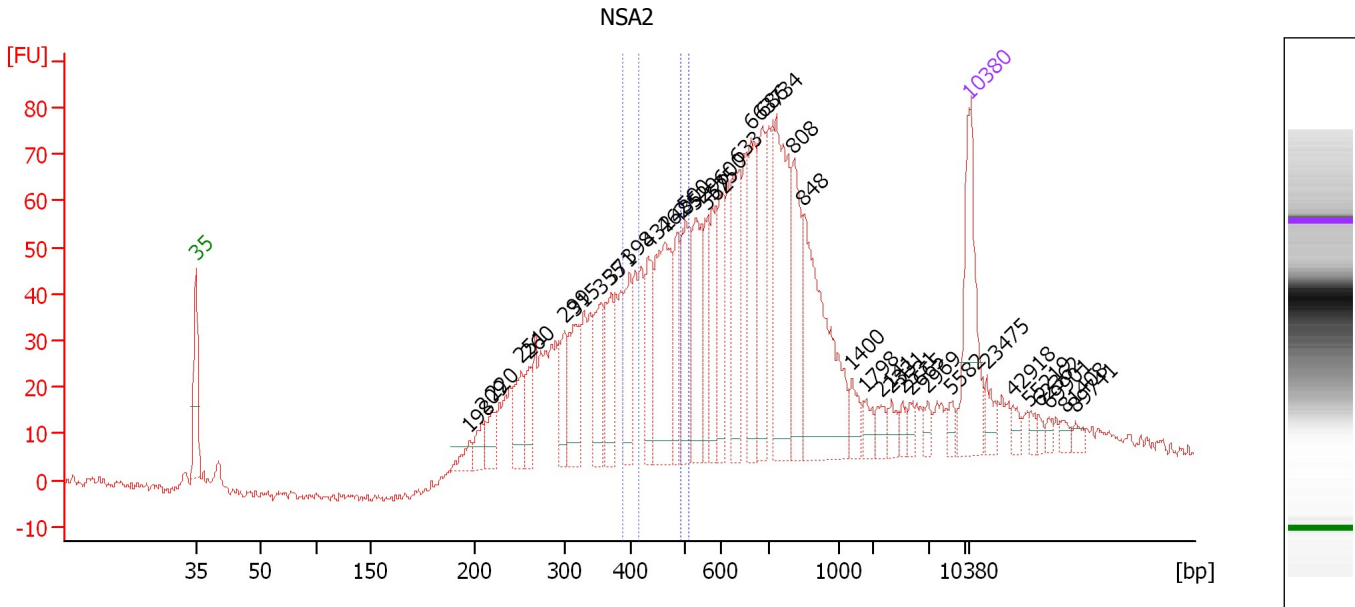
Region table for sample 7 : KSJ11

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
391	412	400	50.4	248.5	 65.60	2	1.6
490	510	498	53.2	208.9	 68.62	2	1.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : NSA2

Number of peaks found: 39 Corr. Area 1: 68.3
 Noise: 1.1 Corr. Area 2: 46.7

Peak table for sample 8 : NSA2

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	198	15.24	116.9		67.78
3	209	19.63	142.6		68.94
4	220	24.32	167.7		69.86
5	251	39.42	238.2		72.42
6	260	29.65	172.7		73.19
7	299	41.23	209.0		76.38
8	315	63.85	307.2		77.35
9	355	50.47	215.4		79.71
10	371	54.40	222.4		80.63
11	398	47.64	181.2		82.28
12	432	54.51	191.2		83.97
13	462	120.06	393.6		85.46
14	485	45.21	141.1		86.62
15	500	64.64	195.9		87.35
16	529	70.48	202.0		88.27
17	562	44.23	119.3		89.33
18	575	44.99	118.5		89.76
19	600	53.22	134.5		90.54
20	633	73.25	175.3		91.99
21	663	72.02	164.6		93.29
22	686	70.53	155.7		94.30
23	734	140.42	289.8		95.61
24	808	68.77	128.9		97.15
25	848	158.49	283.3		97.98

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : NSA2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,400	16.73	18.1		102.42
27	1,798	12.25	10.3		103.68
28	2,141	9.99	7.1		105.03
29	2,331	9.60	6.2		106.00
30	2,531	6.49	3.9		107.01
31	2,665	8.08	4.6		107.69
32	2,969	6.36	3.2		109.23
33	5,582	6.89	1.9		111.45
34	10,380	75.00	10.9	Upper Marker	113.00
35	23,475	0.00	0.0		114.59
36	42,918	0.00	0.0		116.96
37	55,219	0.00	0.0		118.46
38	62,362	0.00	0.0		119.33
39	69,901	0.00	0.0		120.25
40	81,408	0.00	0.0		121.65
41	89,741	0.00	0.0		122.66

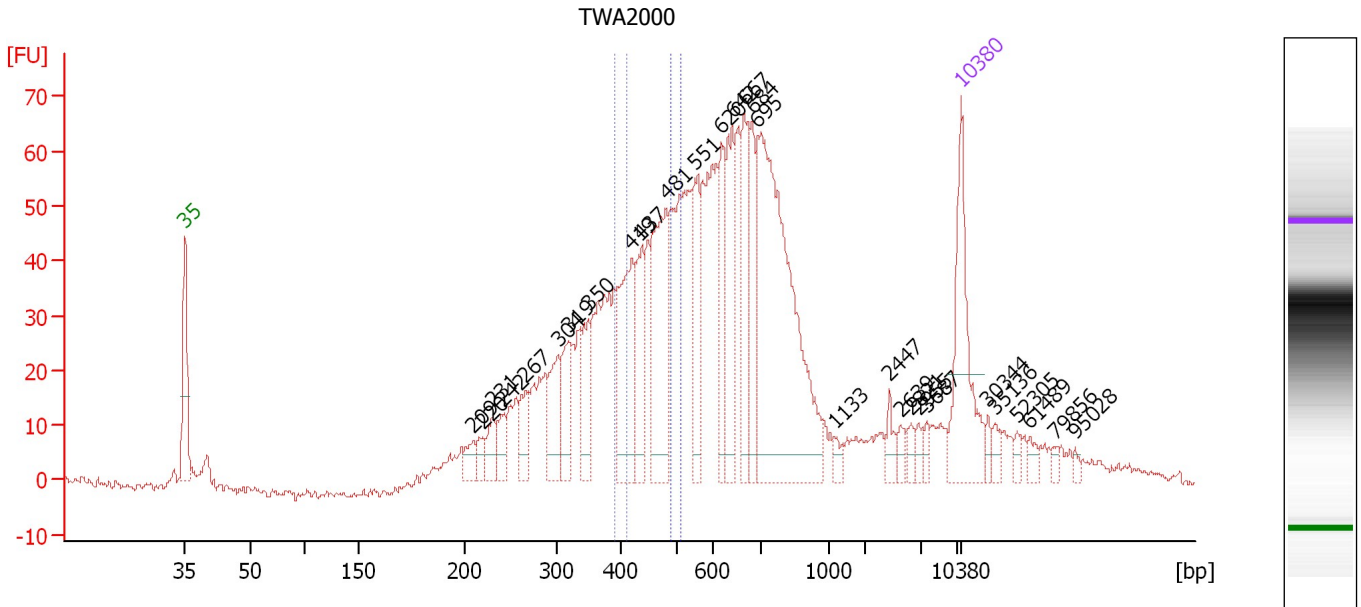
Region table for sample 8 : NSA2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
387	414	399	68.3	337.7	88.92	4	2.0
490	510	498	46.7	183.0	60.17	3	1.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : TWA2000

Number of peaks found: 29 Corr. Area 1: 48.7
 Noise: 0.9 Corr. Area 2: 47.4

Peak table for sample 9 : TWA2000

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	209	17.63	127.6		69.01
3	220	14.92	102.8		69.88
4	231	22.77	149.6		70.76
5	242	21.44	134.0		71.73
6	267	29.00	164.8		73.72
7	304	49.96	249.2		76.69
8	319	44.90	213.0		77.61
9	350	41.59	180.1		79.41
10	419	96.48	349.1		83.30
11	437	56.60	196.1		84.22
12	481	119.01	374.8		86.41
13	551	63.16	173.6		88.99
14	620	50.36	123.1		91.42
15	642	71.97	169.8		92.39
16	667	59.07	134.2		93.46
17	684	53.51	118.6		94.19
18	695	305.18	665.4		94.67
19	1,133	7.30	9.8		101.58
20	2,447	9.50	5.9		106.58
21	2,639	6.52	3.7		107.56
22	2,821	6.21	3.3		108.48
23	2,955	5.74	2.9		109.16
24	3,687	5.86	2.4		109.94
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad



Created: 12/18/2015 11:51:45 AM
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Electropherogram Summary Continued ...

... Peak table for sample 9 : TWA2000

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	30,344	0.00	0.0		115.43
27	35,136	0.00	0.0		116.01
28	52,305	0.00	0.0		118.10
29	61,489	0.00	0.0		119.22
30	79,856	0.00	0.0		121.46
31	95,028	0.00	0.0		123.31

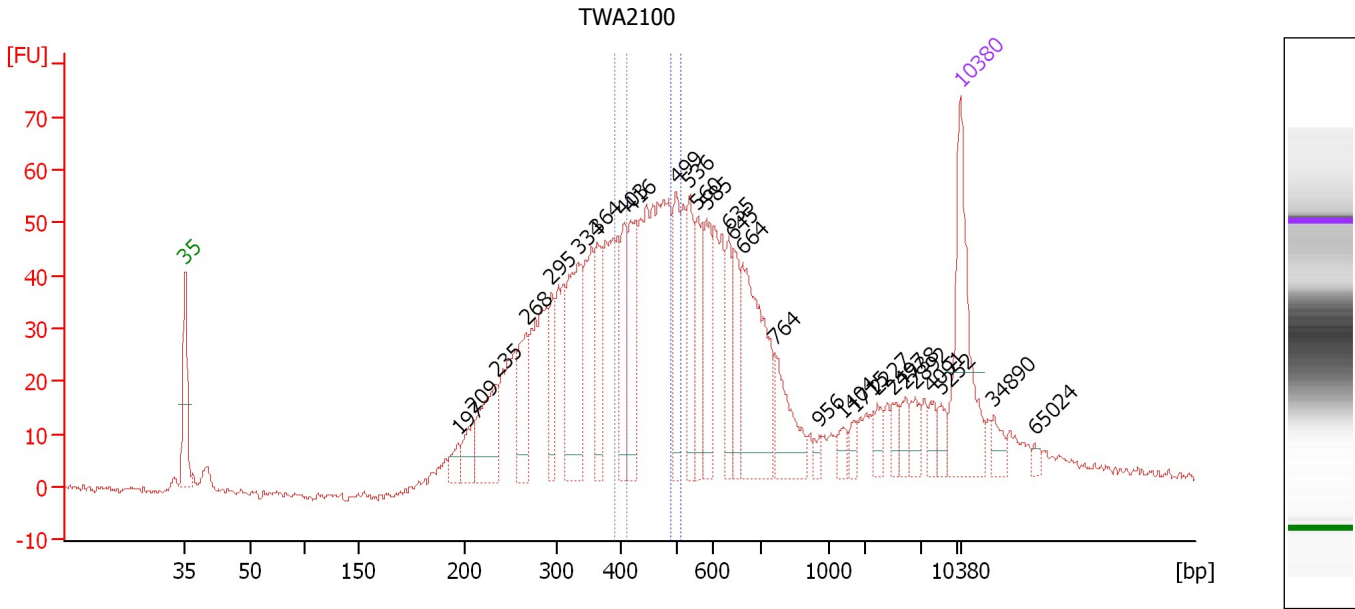
Region table for sample 9 : TWA2000

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
390	411	399	48.7	244.8	 64.52	3	1.5
490	510	498	47.4	189.6	 62.29	3	1.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : TWA2100

Number of peaks found: 28 Corr. Area 1: 66.8
 Noise: 0.7 Corr. Area 2: 50.1

Peak table for sample 10 : TWA2100

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	197	14.18	109.1		67.65
3	209	26.66	193.3		68.97
4	235	66.61	430.4		71.08
5	268	49.27	278.8		73.82
6	295	38.74	198.9		76.07
7	334	94.90	430.7		78.46
8	364	50.11	208.7		80.23
9	403	46.84	176.0		82.52
10	416	61.16	222.8		83.16
11	499	52.29	158.6		87.32
12	536	51.81	146.6		88.49
13	560	44.65	120.8		89.28
14	585	45.50	117.9		90.06
15	635	33.42	79.8		92.06
16	645	31.78	74.7		92.50
17	664	116.64	266.1		93.34
18	764	47.83	94.9		96.22
19	956	4.83	7.7		100.23
20	1,404	8.45	9.1		102.43
21	1,715	7.03	6.2		103.41
22	2,227	10.03	6.8		105.47
23	2,497	9.39	5.7		106.84
24	2,738	10.20	5.6		108.06
25	2,892	12.36	6.5		108.84

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad



Created: 12/18/2015 11:51:45 AM
 Modified: 1/13/2016 12:32:14 PM

Electropherogram Summary Continued ...

... Peak table for sample 10 : TWA2100

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,091	9.53	3.5		110.26
27	5,252	9.21	2.7		111.19
28	10,380	75.00	10.9	Upper Marker	113.00
29	34,890	0.00	0.0		115.98
30	65,024	0.00	0.0		119.65

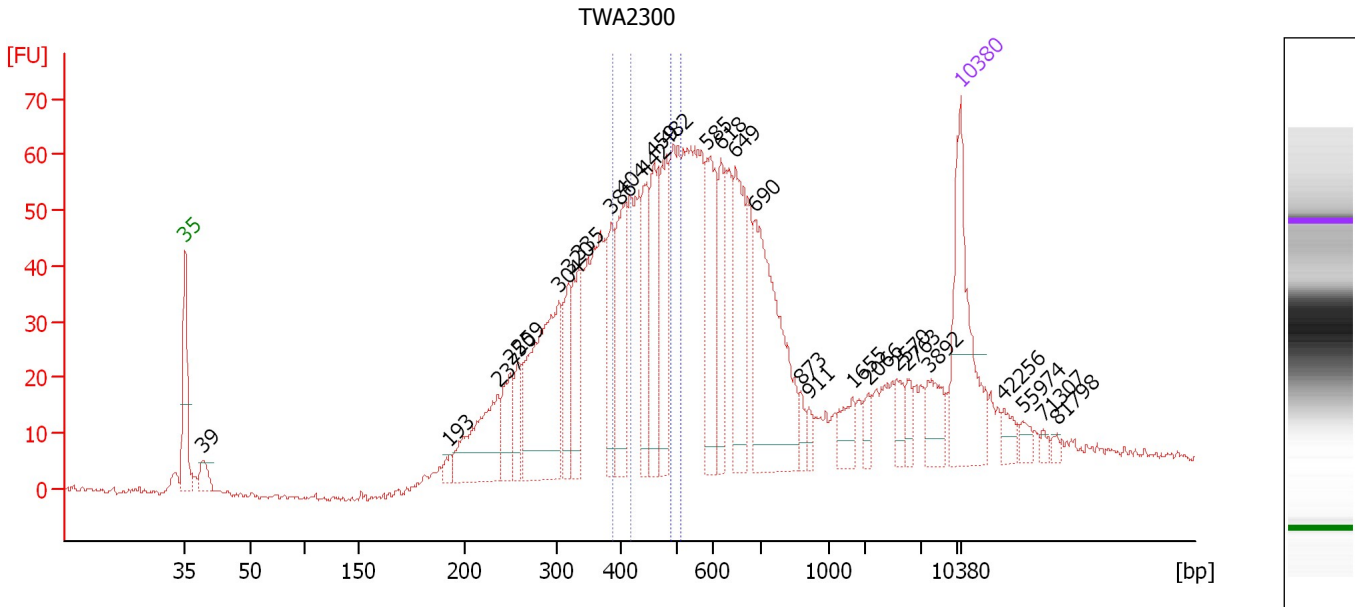
Region table for sample 10 : TWA2100

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
390	411	399	66.8	303.4	 79.88	4	1.6
490	510	497	50.1	180.8	 59.35	3	1.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
 Modified: 1/13/2016 12:32:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : TWA2300

Number of peaks found: 28 Corr. Area 1: 87.3
 Noise: 0.6 Corr. Area 2: 51.4

Peak table for sample 11 : TWA2300

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	39	19.41	751.8		44.62
3	193	7.89	62.0		66.87
4	237	86.51	554.1		71.25
5	250	37.49	227.5		72.33
6	259	27.42	160.7		73.06
7	304	155.49	775.2		76.70
8	320	40.07	189.9		77.63
9	335	53.16	240.6		78.52
10	386	43.67	171.6		81.51
11	404	67.57	253.7		82.54
12	442	44.80	153.6		84.46
13	459	60.69	200.4		85.29
14	482	75.96	238.6		86.47
15	585	73.43	190.3		90.06
16	618	43.22	105.9		91.34
17	649	75.79	177.0		92.66
18	690	142.48	312.6		94.48
19	873	8.27	14.3		98.51
20	911	7.18	11.9		99.29
21	1,655	16.29	14.9		103.22
22	2,066	7.62	5.6		104.65
23	2,570	10.09	5.9		107.20
24	2,763	8.70	4.8		108.19
25	3,892	21.02	8.2		110.10

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
 Modified: 1/13/2016 12:32:14 PM

Electropherogram Summary Continued ...

... Peak table for sample 11 : TWA2300

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00
27	42,256	0.00	0.0		116.88
28	55,974	0.00	0.0		118.55
29	71,307	0.00	0.0		120.42
30	81,798	0.00	0.0		121.69

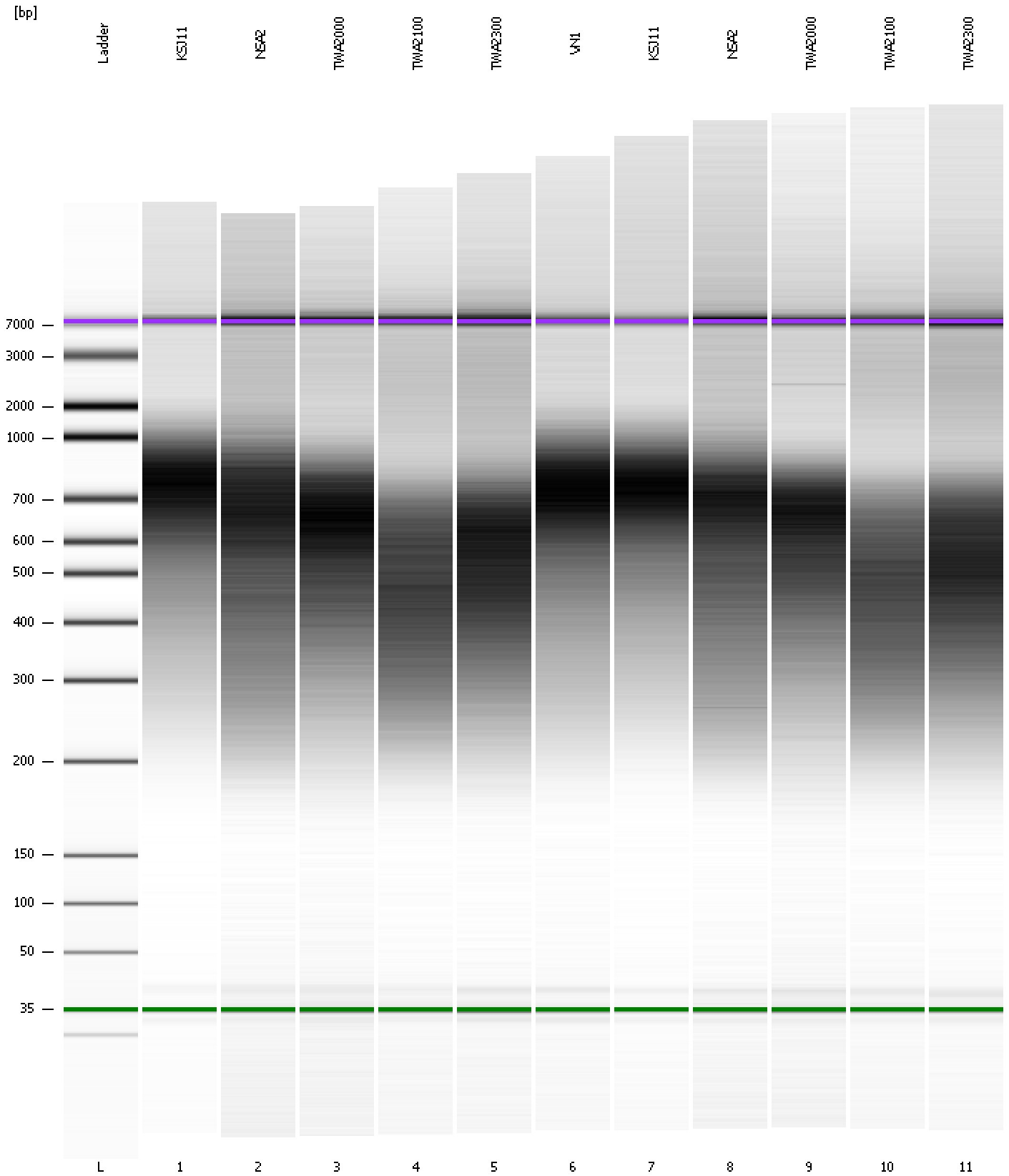
Region table for sample 11 : TWA2300

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
387	417	401	87.3	382.0	100.96	6	2.2
490	510	498	51.4	179.3	58.90	3	1.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
Modified: 1/13/2016 12:32:14 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...-12-18\2015-12-18_001_MW_methylobacteriaLibraryBuilding.xad

Created: 12/18/2015 11:51:45 AM
 Modified: 1/13/2016 12:32:14 PM

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		12/18/2015 12:33:06 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyser\2015-12-18\2015-12-18_001.xad)		Instrument	Run		12/18/2015 11:51:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/18/2015 11:51:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/18/2015 11:51:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/18/2015 11:51:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/18/2015 11:51:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/18/2015 11:51:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/18/2015 11:51:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1