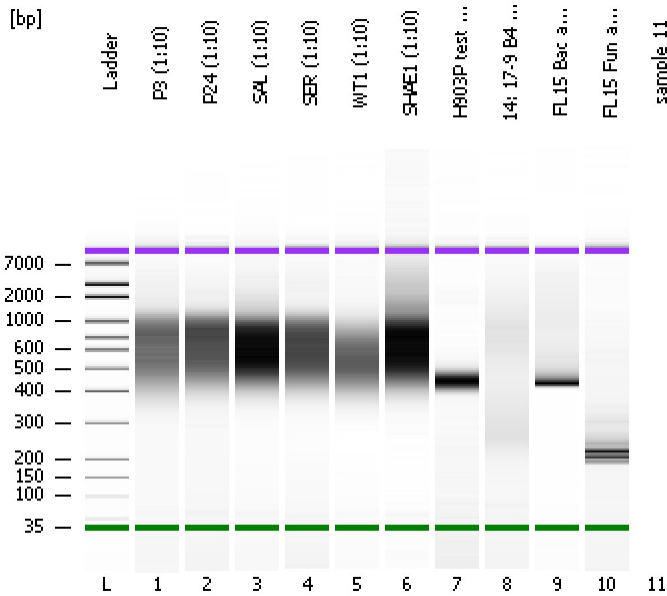


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
Modified: 5/26/2017 4:59:10 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

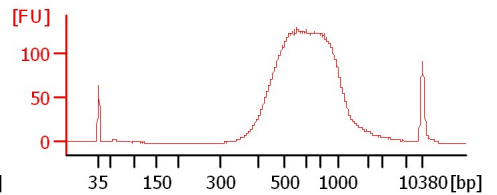
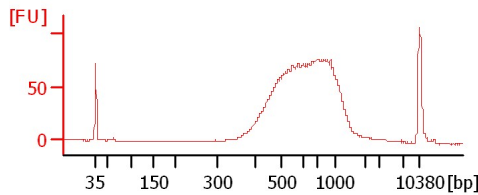
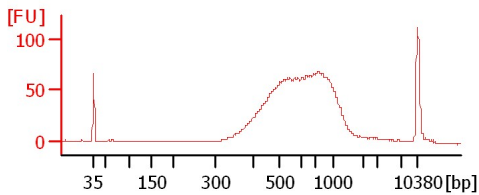
Chip Information:

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

P3 (1:10)

P24 (1:10)

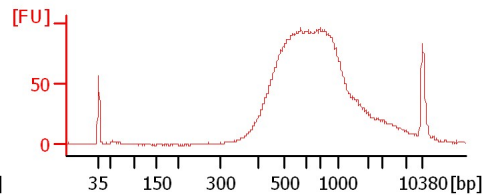
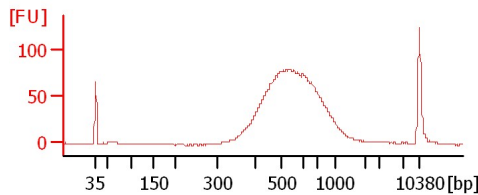
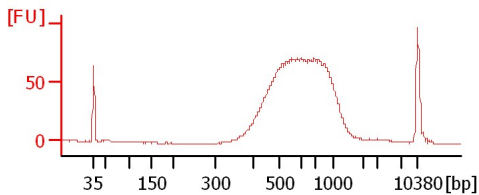
SAL (1:10)



SER (1:10)

WT1 (1:10)

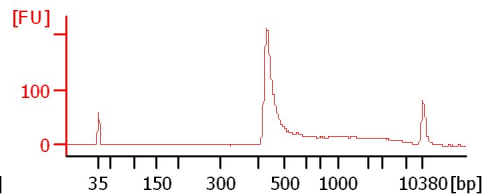
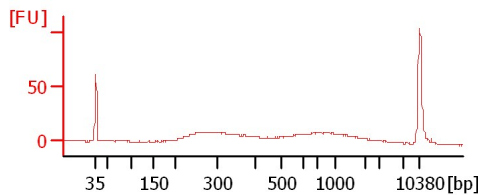
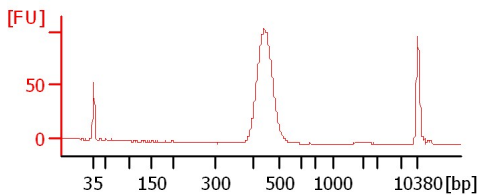
SHAE1 (1:10)



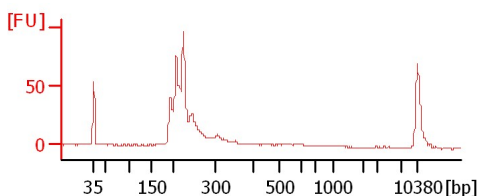
H903P test Lib WGBS

14: 17-9 B4 library

FL15 Bac amplicon (1:100)



FL15 Fun amplicon (1:400)



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
Modified: 5/26/2017 4:59:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
P3 (1:10)		<input type="checkbox"/>	✓			
P24 (1:10)		<input type="checkbox"/>	✓			
SAL (1:10)		<input type="checkbox"/>	✓			
SER (1:10)		<input type="checkbox"/>	✓			
WT1 (1:10)		<input type="checkbox"/>	✓			
SHAE1 (1:10)		<input type="checkbox"/>	✓			
H903P test Lib WGBS		<input type="checkbox"/>	✓			
14: 17-9 B4 library		<input type="checkbox"/>	✓			
FL15 Bac amplicon (1:100)		<input type="checkbox"/>	✓			
FL15 Fun amplicon (1:400)		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

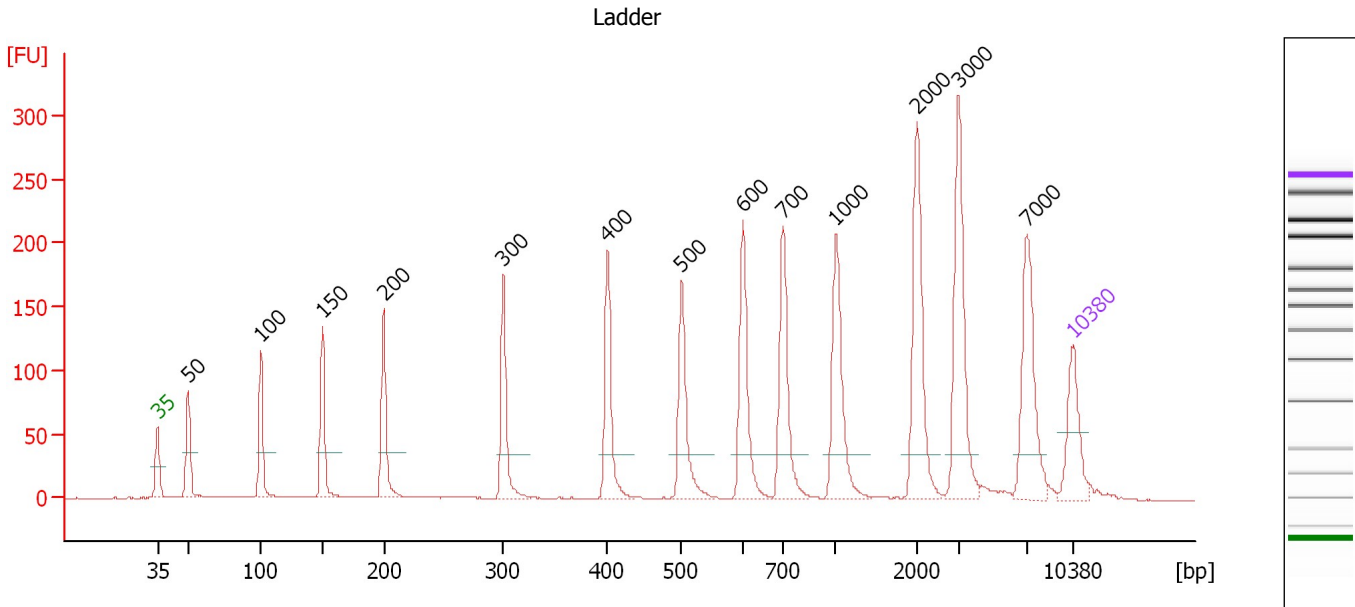
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
 Modified: 5/26/2017 4:59:10 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

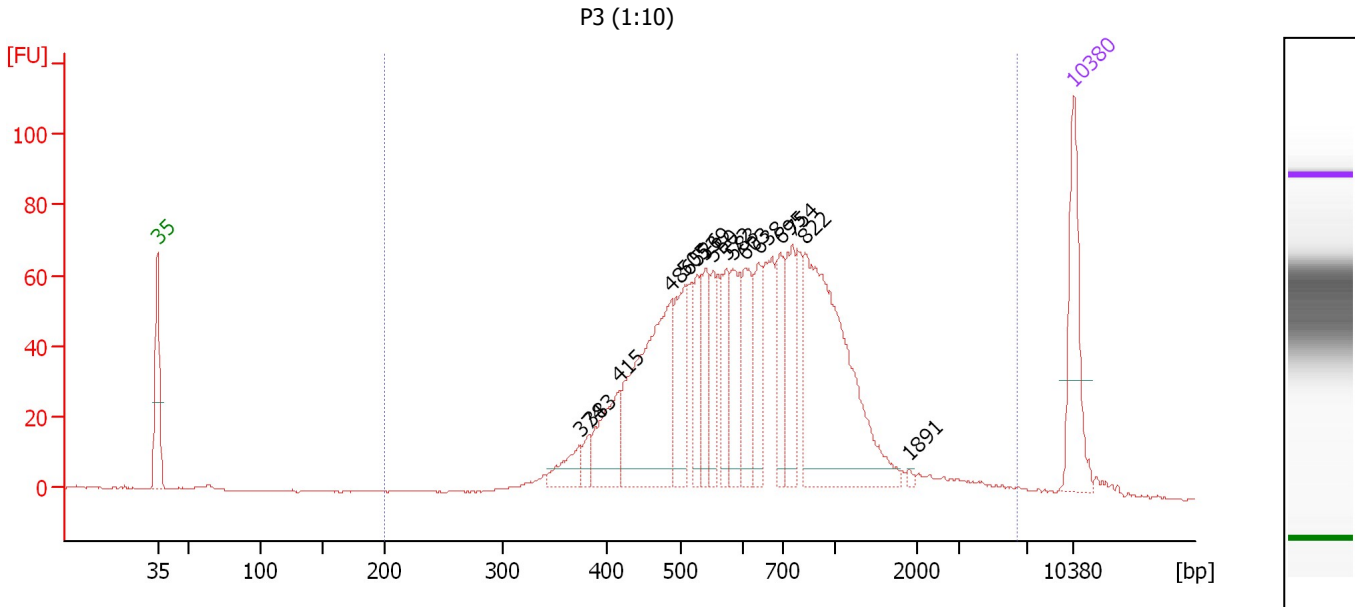
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.32
3	100	150.00	2,272.7	Ladder Peak	50.91
4	150	150.00	1,515.2	Ladder Peak	55.60
5	200	150.00	1,136.4	Ladder Peak	60.28
6	300	150.00	757.6	Ladder Peak	69.43
7	400	150.00	568.2	Ladder Peak	77.39
8	500	150.00	454.5	Ladder Peak	83.07
9	600	150.00	378.8	Ladder Peak	87.76
10	700	150.00	324.7	Ladder Peak	90.80
11	1,000	150.00	227.3	Ladder Peak	94.85
12	2,000	150.00	113.6	Ladder Peak	101.08
13	3,000	150.00	75.8	Ladder Peak	104.22
14	7,000	150.00	32.5	Ladder Peak	109.45
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
 Modified: 5/26/2017 4:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : P3 (1:10)

Number of peaks found: 16 Corr. Area 1: 1,421.4
 Noise: 0.2

Peak table for sample 1 : P3 (1:10)

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	374	31.33	127.0		75.30
3	383	15.96	63.1		76.05
4	415	70.87	258.8		78.23
5	486	234.74	731.8		82.28
6	505	86.49	259.6		83.30
7	526	48.89	140.9		84.27
8	539	49.39	138.9		84.88
9	550	47.95	132.0		85.44
10	572	50.52	133.8		86.46
11	583	64.09	166.5		86.97
12	603	73.08	183.6		87.85
13	638	49.76	118.1		88.92
14	695	52.64	114.8		90.64
15	754	73.99	148.8		91.53
16	822	294.55	542.7		92.46
17	1,891	2.59	2.1		100.40
18	10,380	75.00	10.9	Upper Marker	113.00

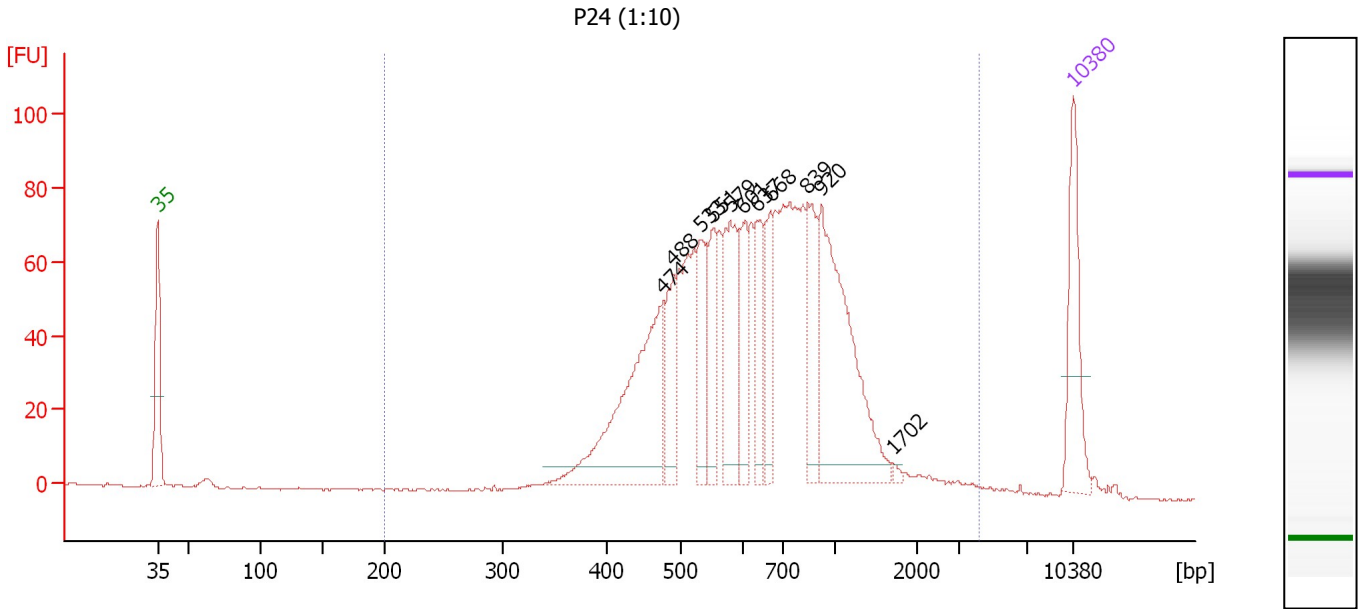
Region table for sample 1 : P3 (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	6,442	761	1,421.4	3,914.7	1,532.80	99	74.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
 Modified: 5/26/2017 4:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : P24 (1:10)

Number of peaks found: 11 Corr. Area 1: 1,473.3
 Noise: 0.3

Peak table for sample 2 : P24 (1:10)

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	474	247.44	790.5		81.61
3	488	74.50	231.1		82.42
4	533	77.53	220.5		84.60
5	551	65.11	179.1		85.46
6	579	110.79	289.8		86.79
7	601	66.69	168.2		87.78
8	637	63.52	151.2		88.88
9	668	56.25	127.6		89.82
10	839	74.06	133.8		92.67
11	920	232.29	382.7		93.77
12	1,702	3.18	2.8		99.23
13	10,380	75.00	10.9	Upper Marker	113.00

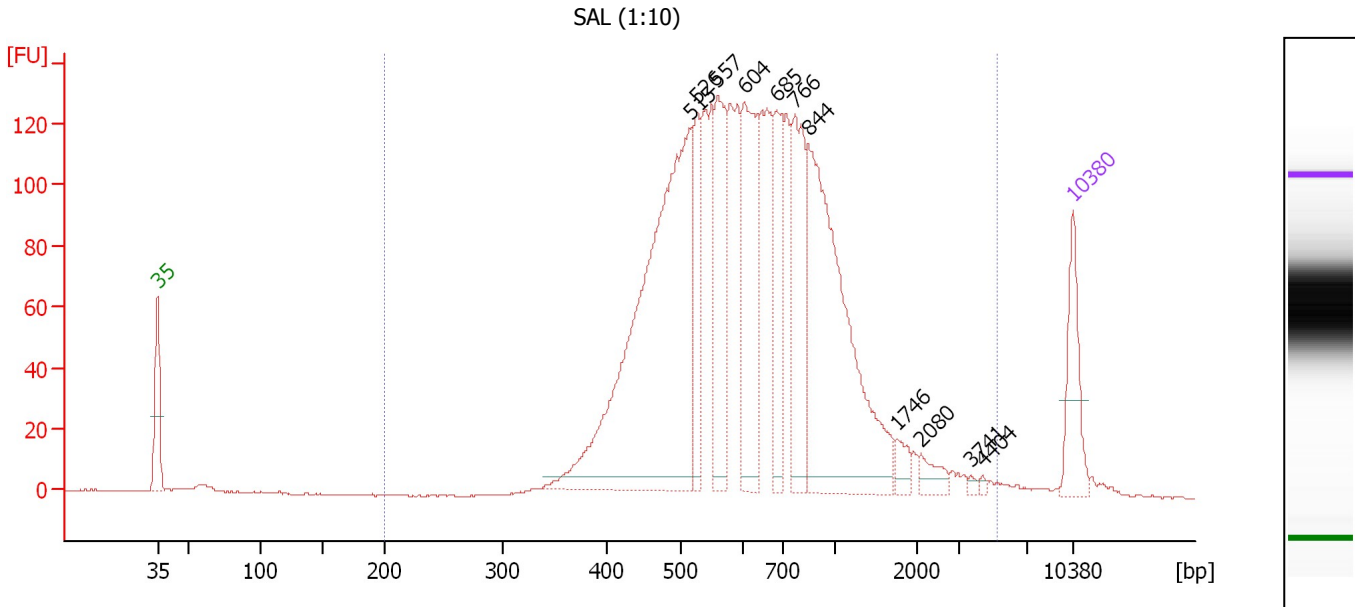
Region table for sample 2 : P24 (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	4,239	729	1,473.3	4,023.5	1,626.78	99	49.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
 Modified: 5/26/2017 4:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : SAL (1:10)

Number of peaks found: 11 Corr. Area 1: 2,475.3
 Noise: 0.3

Peak table for sample 3 : SAL (1:10)

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	515	834.41	2,453.8		83.79
3	526	116.38	335.5		84.27
4	557	178.01	483.8		85.76
5	604	221.64	555.9		87.88
6	685	139.84	309.4		90.34
7	766	190.71	377.3		91.69
8	844	499.62	896.5		92.75
9	1,746	20.62	17.9		99.50
10	2,080	22.10	16.1		101.33
11	3,741	4.02	1.6		105.19
12	4,404	3.42	1.2		106.06
13	10,380	75.00	10.9	Upper Marker	113.00

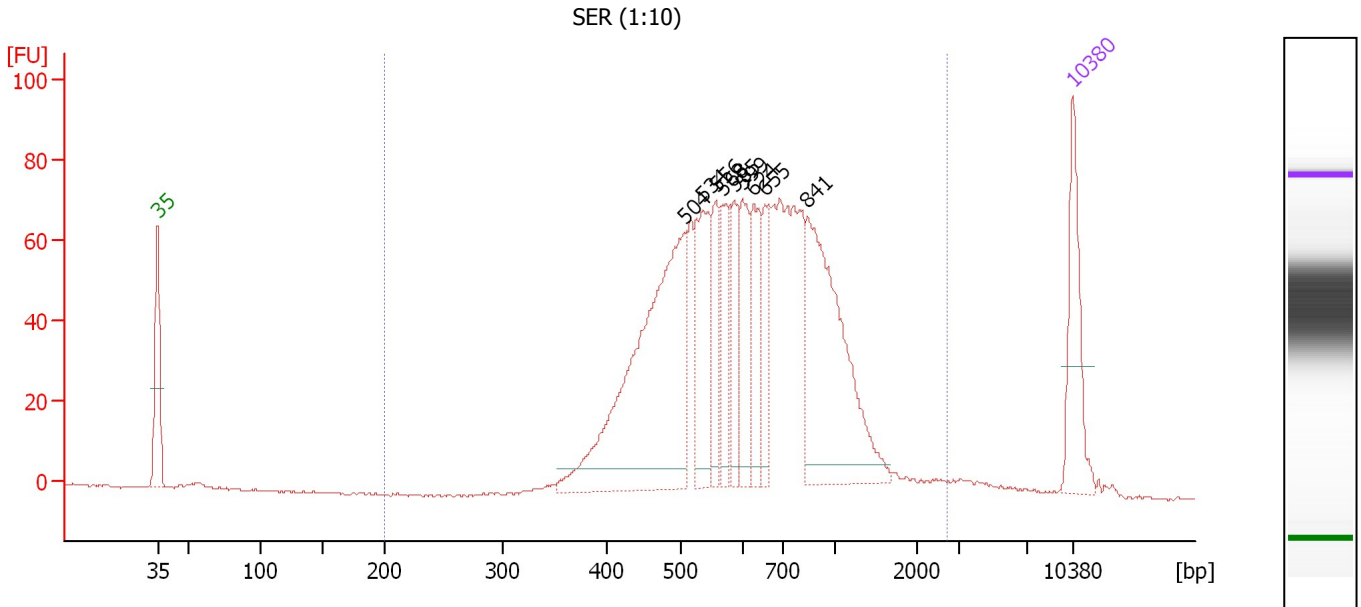
Region table for sample 3 : SAL (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	5,262	741	2,475.3	7,459.9	2,977.69	99	62.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
 Modified: 5/26/2017 4:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SER (1:10)

Number of peaks found: 9 Corr. Area 1: 1,359.1
 Noise: 0.3

Peak table for sample 4 : SER (1:10)

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	504	431.76	1,298.7		83.25
3	534	124.79	354.0		84.67
4	556	62.32	169.8		85.70
5	568	70.92	189.3		86.24
6	585	60.12	155.6		87.07
7	599	80.89	204.6		87.71
8	624	75.56	183.4		88.49
9	655	58.24	134.8		89.42
10	841	263.04	473.9		92.71
11	10,380	75.00	10.9	Upper Marker	113.00

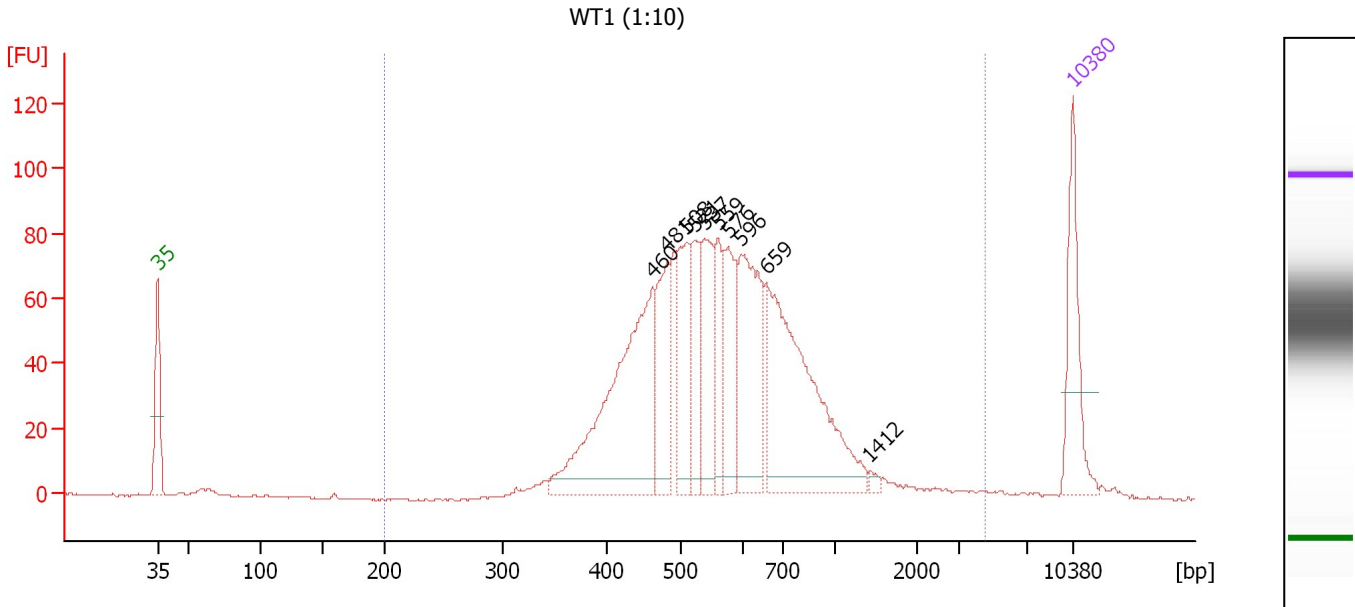
Region table for sample 4 : SER (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	2,724	684	1,359.1	4,016.3	1,583.53	99	40.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
 Modified: 5/26/2017 4:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : WT1 (1:10)

Number of peaks found: 10 Corr. Area 1: 1,397.7
 Noise: 0.3

Peak table for sample 5 : WT1 (1:10)

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	460	319.34	1,051.9		80.80
3	481	101.37	319.4		81.98
4	508	106.04	316.0		83.47
5	521	72.12	209.7		84.06
6	537	98.53	278.0		84.80
7	559	62.69	169.9		85.84
8	576	88.59	233.0		86.63
9	596	158.80	403.7		87.57
10	659	288.43	663.2		89.55
11	1,412	4.93	5.3		97.42
12	10,380	75.00	10.9	Upper Marker	113.00

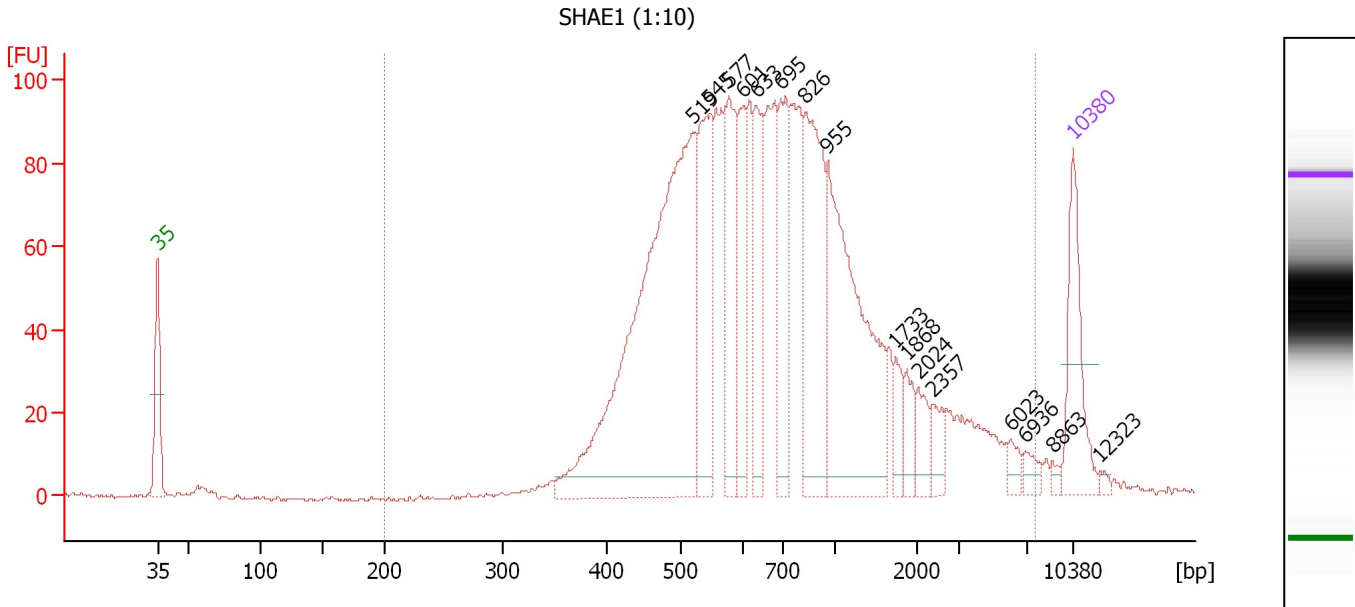
Region table for sample 5 : WT1 (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	4,557	623	1,397.7	3,940.7	1,412.05	99	50.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
 Modified: 5/26/2017 4:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : SHAE1 (1:10)

Number of peaks found: 16 Corr. Area 1: 2,029.2
 Noise: 0.4

Peak table for sample 6 : SHAE1 (1:10)

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	519	653.44	1,908.9		83.95
3	545	154.18	428.5		85.19
4	577	120.73	317.0		86.68
5	601	79.44	200.4		87.78
6	633	85.45	204.4		88.77
7	695	112.60	245.4		90.66
8	826	182.14	334.2		92.50
9	955	276.96	439.4		94.24
10	1,733	22.68	19.8		99.42
11	1,868	24.93	20.2		100.26
12	2,024	24.13	18.1		101.16
13	2,357	21.32	13.7		102.20
14	6,023	12.60	3.2		108.17
15	6,936	12.01	2.6		109.37
16	8,863	4.79	0.8		111.41
17	10,380	75.00	10.9	Upper Marker	113.00
18	12,323	0.00	0.0		115.04

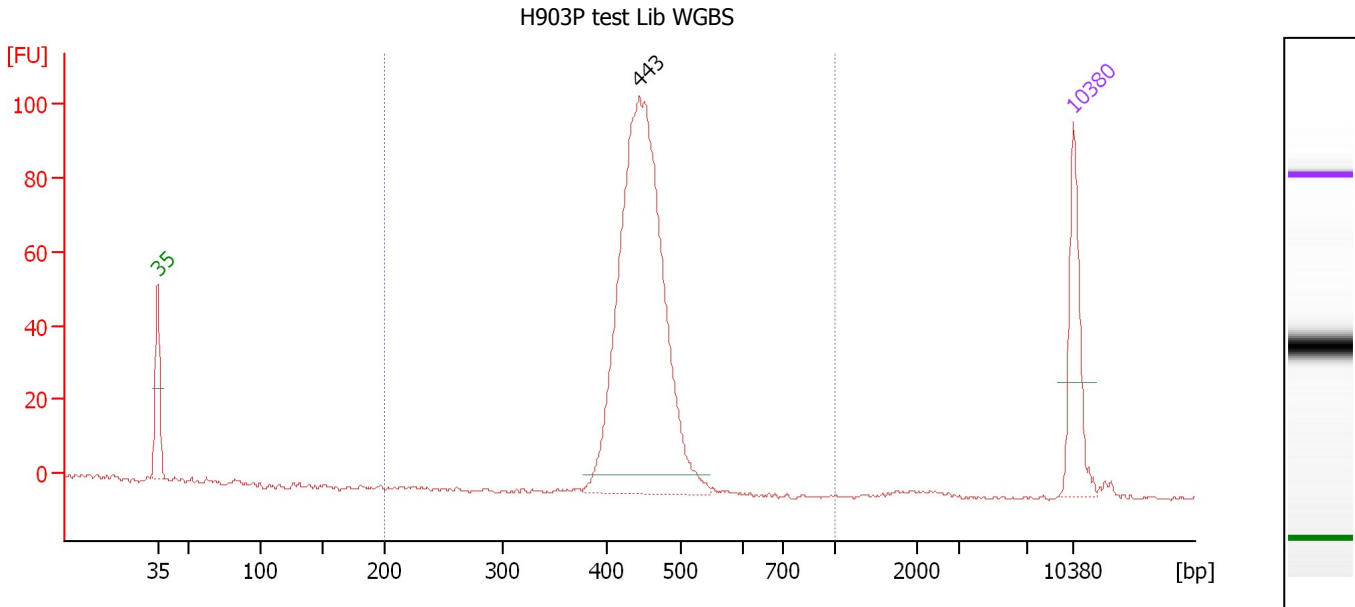
Region table for sample 6 : SHAE1 (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	7,636	988	2,029.2	5,446.7	2,326.32	99	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
 Modified: 5/26/2017 4:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : H903P test Lib WGBS

Number of peaks found: 1 Corr. Area 1: 502.2
 Noise: 0.5

Peak table for sample 7 : H903P test Lib WGBS

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	443	682.48	2,333.2		79.84
3	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 7 : H903P test Lib WGBS

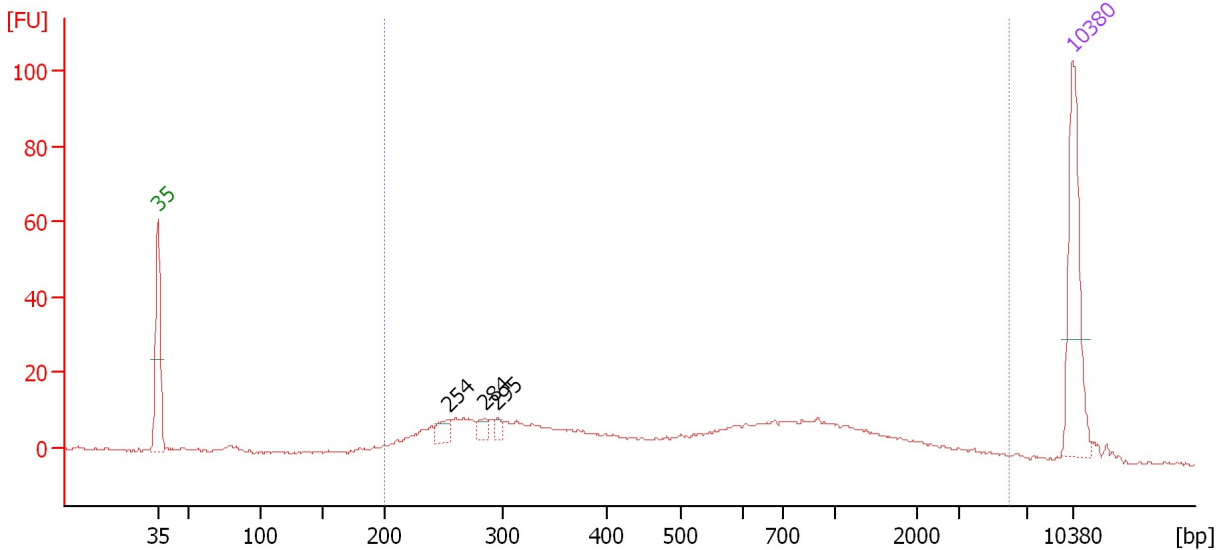
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	446	502.2	2,165.9	637.10	100	5.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
 Modified: 5/26/2017 4:59:10 PM

Electropherogram Summary Continued ...

14: 17-9 B4 library



Overall Results for sample 8 : 14: 17-9 B4 library

Number of peaks found: 3 Corr. Area 1: 380.6
 Noise: 0.3

Peak table for sample 8 : 14: 17-9 B4 library

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	254	14.46	86.3		65.20
3	284	9.68	51.6		68.00
4	295	7.34	37.6		68.99
5	10,380	75.00	10.9	Upper Marker	113.00

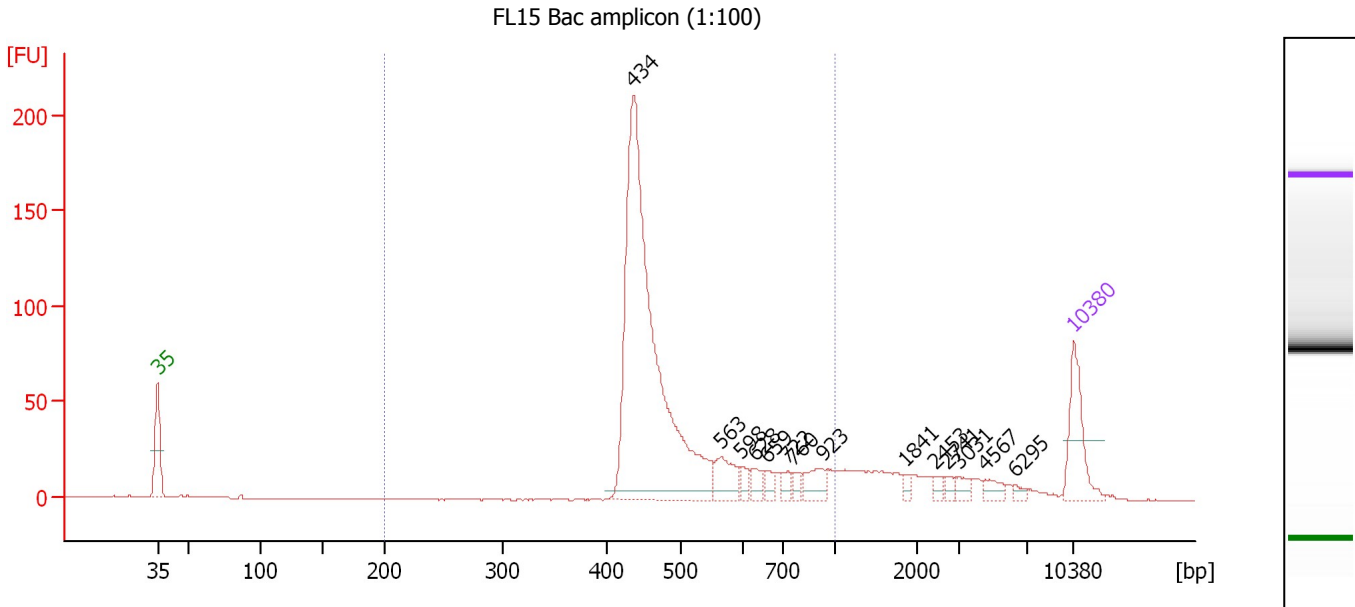
Region table for sample 8 : 14: 17-9 B4 library

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	6,012	782	380.6	1,648.9	440.75	95	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
 Modified: 5/26/2017 4:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : FL15 Bac amplicon (1:100)

Number of peaks found: 14 Corr. Area 1: 819.7
 Noise: 0.2

Peak table for sample 9 : FL15 Bac amplicon (1:100)

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	434	869.39	3,036.8		79.31
3	563	54.22	145.9		86.03
4	598	14.31	36.3		87.64
5	628	18.97	45.8		88.60
6	659	14.93	34.3		89.55
7	722	16.38	34.4		91.11
8	760	12.93	25.8		91.61
9	923	33.59	55.1		93.82
10	1,841	8.29	6.8		100.09
11	2,453	9.27	5.7		102.51
12	2,741	8.99	5.0		103.41
13	3,031	12.29	6.1		104.26
14	4,567	14.55	4.8		106.27
15	6,295	6.34	1.5		108.53
16	10,380	75.00	10.9	Upper Marker	113.00

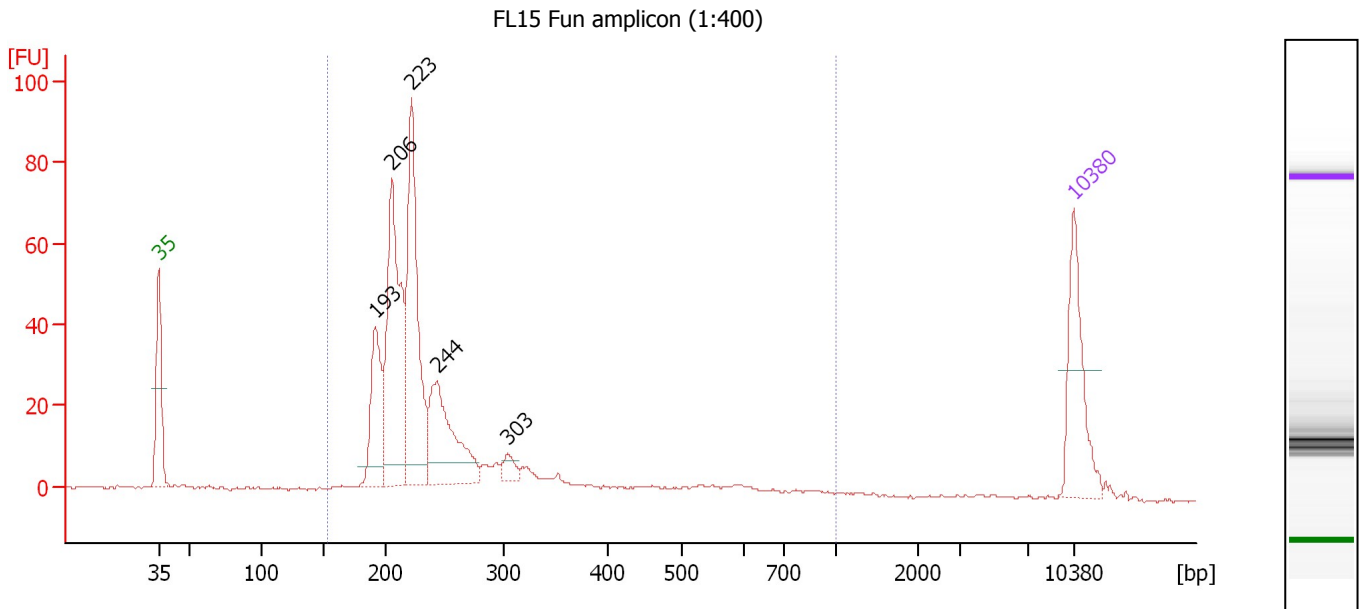
Region table for sample 9 : FL15 Bac amplicon (1:100)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	509	819.7	3,199.5	1,020.55	83	24.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
 Modified: 5/26/2017 4:59:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : FL15 Fun amplicon (1:400)

Number of peaks found: 5 Corr. Area 1: 532.6
 Noise: 0.3

Peak table for sample 10 : FL15 Fun amplicon (1:400)

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	193	104.19	820.0		59.58
3	206	254.83	1,873.7		60.84
4	223	236.88	1,612.6		62.35
5	244	141.92	881.3		64.31
6	303	14.98	74.9		69.68
7	10,380	75.00	10.9	Upper Marker	113.00

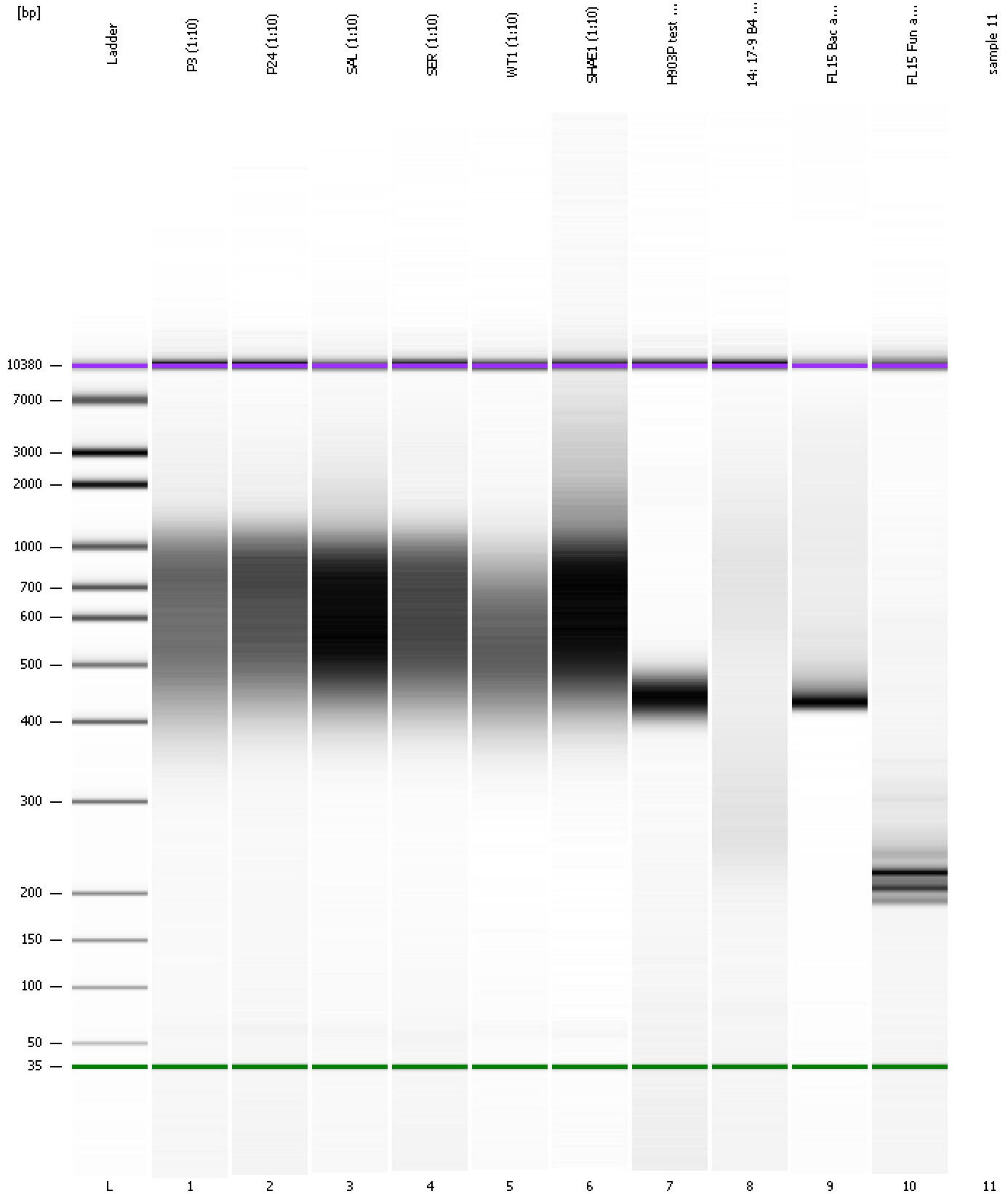
Region table for sample 10 : FL15 Fun amplicon (1:400)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
153	1,000	250	532.6	5,729.6	875.45	99	35.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
Modified: 5/26/2017 4:59:10 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-26\2017-05-26_001.xad

Created: 5/26/2017 4:15:36 PM
Modified: 5/26/2017 4:59:10 PM

Invalid Samples

Sample 11 has not been run, no results available.