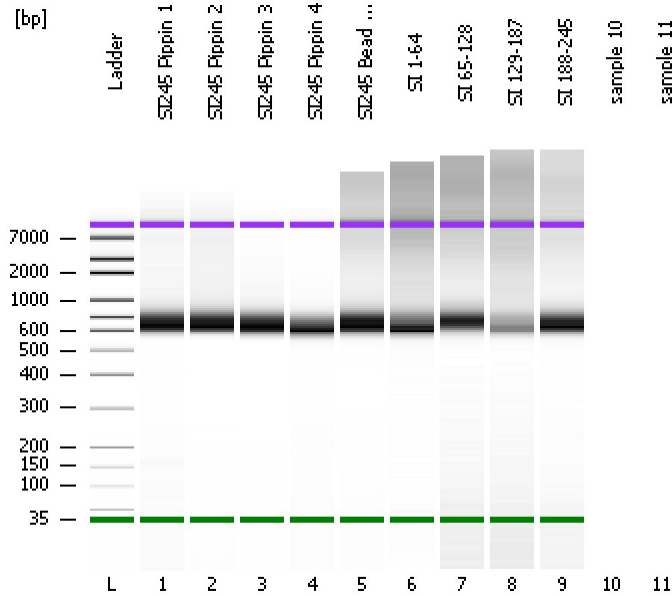


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
Modified: 9/6/2018 5:18:24 PM

Electrophoresis File Run Summary



Instrument Information:

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

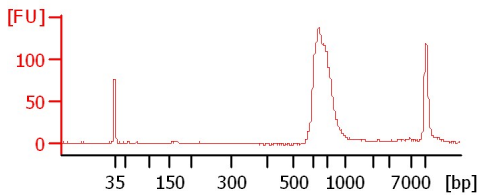
Assay Information:

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

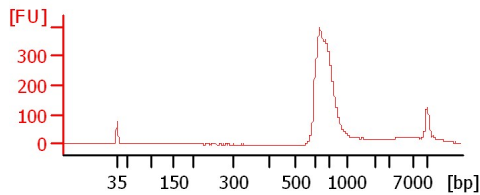
Chip Information:

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

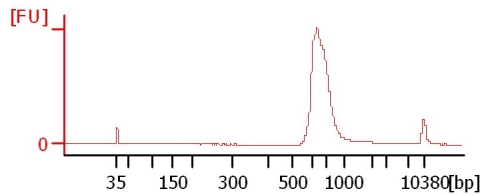
SI245 Pippin 1



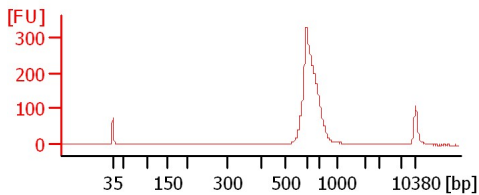
SI245 Pippin 2



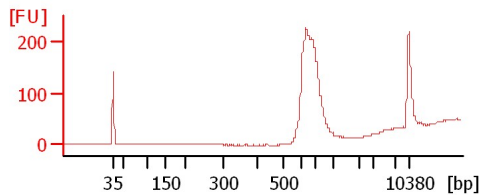
SI245 Pippin 3



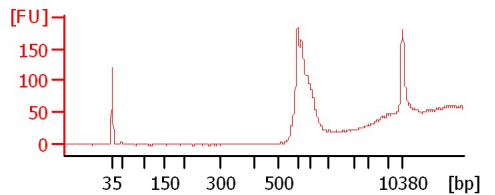
SI245 Pippin 4



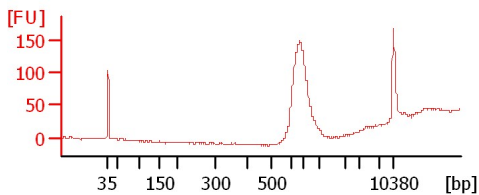
SI245 Bead Clean Pool



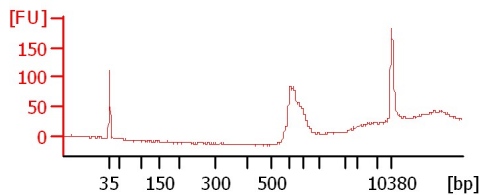
SI 1-64



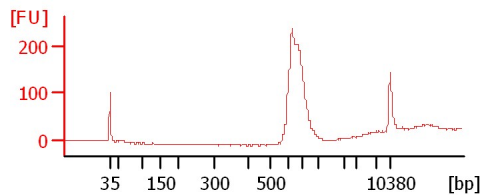
SI 65-128



SI 129-187



SI 188-245



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
Modified: 9/6/2018 5:18:24 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
SI245 Pippin 1		<input type="checkbox"/>	✓			
SI245 Pippin 2		<input type="checkbox"/>	✓			
SI245 Pippin 3		<input type="checkbox"/>	✓			
SI245 Pippin 4		<input type="checkbox"/>	✓			
SI245 Bead Clean Pool		<input type="checkbox"/>	✓			
SI 1-64		<input type="checkbox"/>	✓			
SI 65-128		<input type="checkbox"/>	✓			
SI 129-187		<input type="checkbox"/>	✓			
SI 188-245		<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\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
Modified: 9/6/2018 5:18:24 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

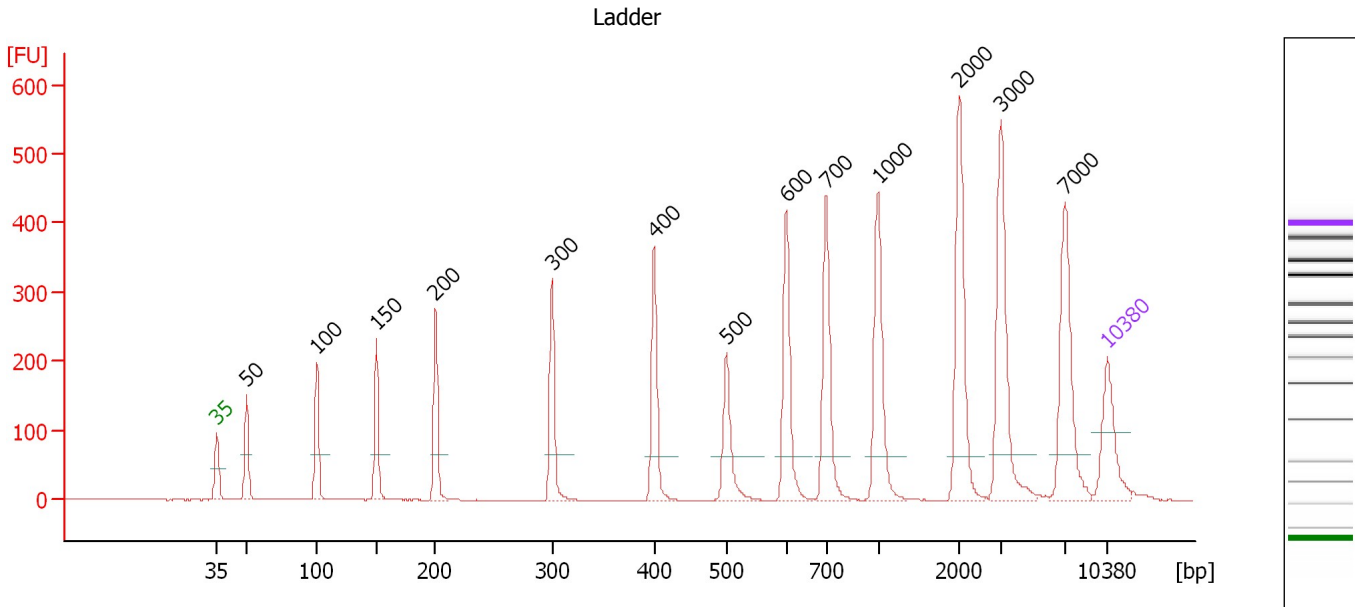
Ladder

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:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
 Modified: 9/6/2018 5:18:24 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

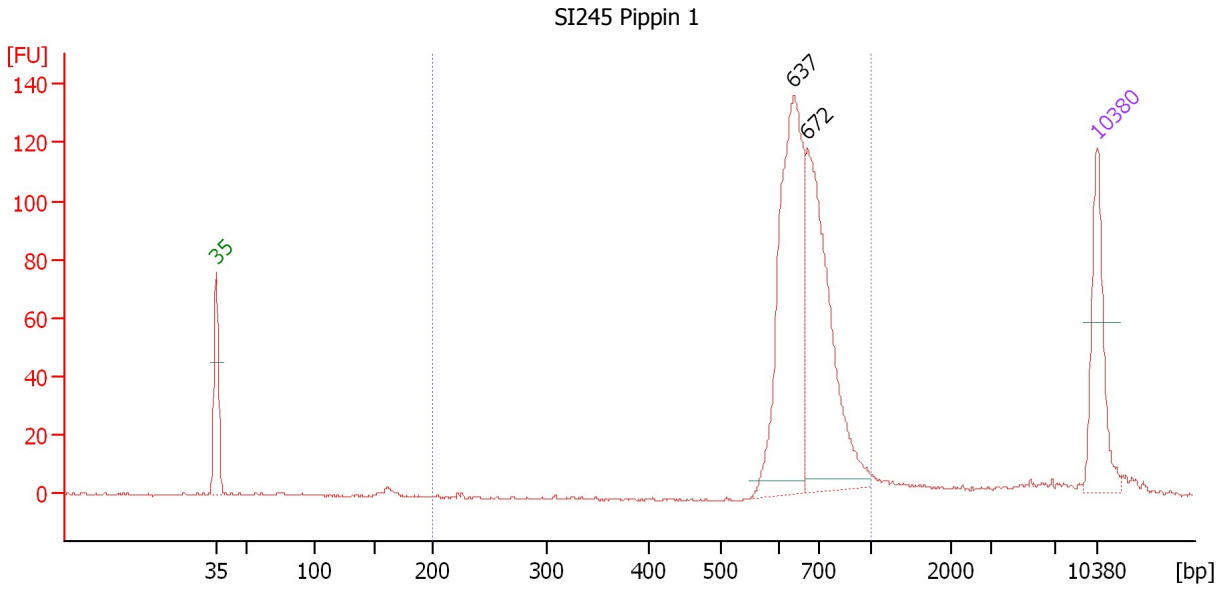
Peak table for Ladder

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	45.35
3	100	150.00	2,272.7	Ladder Peak	50.88
4	150	150.00	1,515.2	Ladder Peak	55.53
5	200	150.00	1,136.4	Ladder Peak	60.19
6	300	150.00	757.6	Ladder Peak	69.32
7	400	150.00	568.2	Ladder Peak	77.37
8	500	150.00	454.5	Ladder Peak	83.07
9	600	150.00	378.8	Ladder Peak	87.77
10	700	150.00	324.7	Ladder Peak	90.91
11	1,000	150.00	227.3	Ladder Peak	94.98
12	2,000	150.00	113.6	Ladder Peak	101.39
13	3,000	150.00	75.8	Ladder Peak	104.62
14	7,000	150.00	32.5	Ladder Peak	109.65
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
 Modified: 9/6/2018 5:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : SI245 Pippin 1

Number of peaks found: 2 Corr. Area 1: 668.1
 Noise: 0.3

Peak table for sample 1 : SI245 Pippin 1

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	637	300.21	714.5		88.92
3	672	254.87	574.9		90.02
4	10,380	75.00	10.9	Upper Marker	113.00

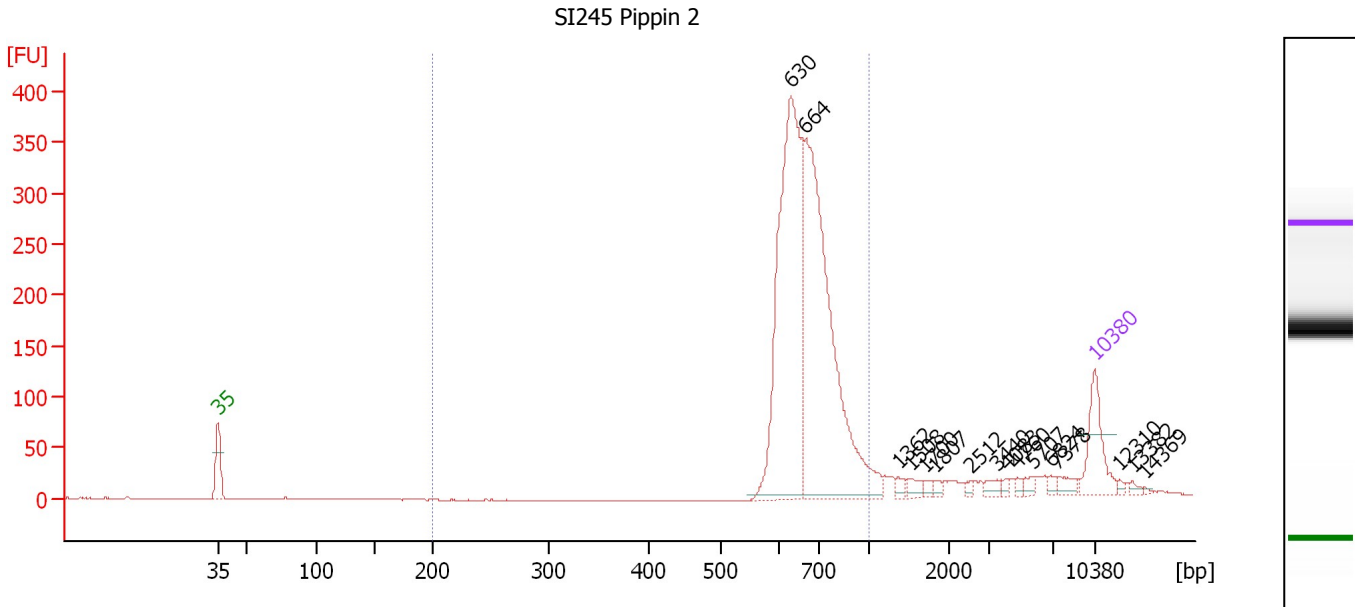
Region table for sample 1 : SI245 Pippin 1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	680	554.12	668.1	1,248.1	90	11.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
 Modified: 9/6/2018 5:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : SI245 Pippin 2

Number of peaks found: 16 Corr. Area 1: 1,964.0
 Noise: 0.4

Peak table for sample 2 : SI245 Pippin 2

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	630	675.75	1,625.8		88.70
3	664	730.81	1,668.6		89.77
4	1,362	10.31	11.5		97.30
5	1,508	14.06	14.1		98.23
6	1,700	7.15	6.4		99.47
7	1,807	7.19	6.0		100.15
8	2,512	4.60	2.8		103.04
9	3,440	11.12	4.9		105.17
10	4,083	5.73	2.1		105.98
11	4,760	6.03	1.9		106.83
12	5,707	10.09	2.7		108.02
13	6,824	7.72	1.7		109.43
14	7,378	13.83	2.8		110.02
15	10,380	75.00	10.9	Upper Marker	113.00
16	12,310	0.00	0.0		114.91
17	13,382	0.00	0.0		115.98
18	14,369	0.00	0.0		116.96

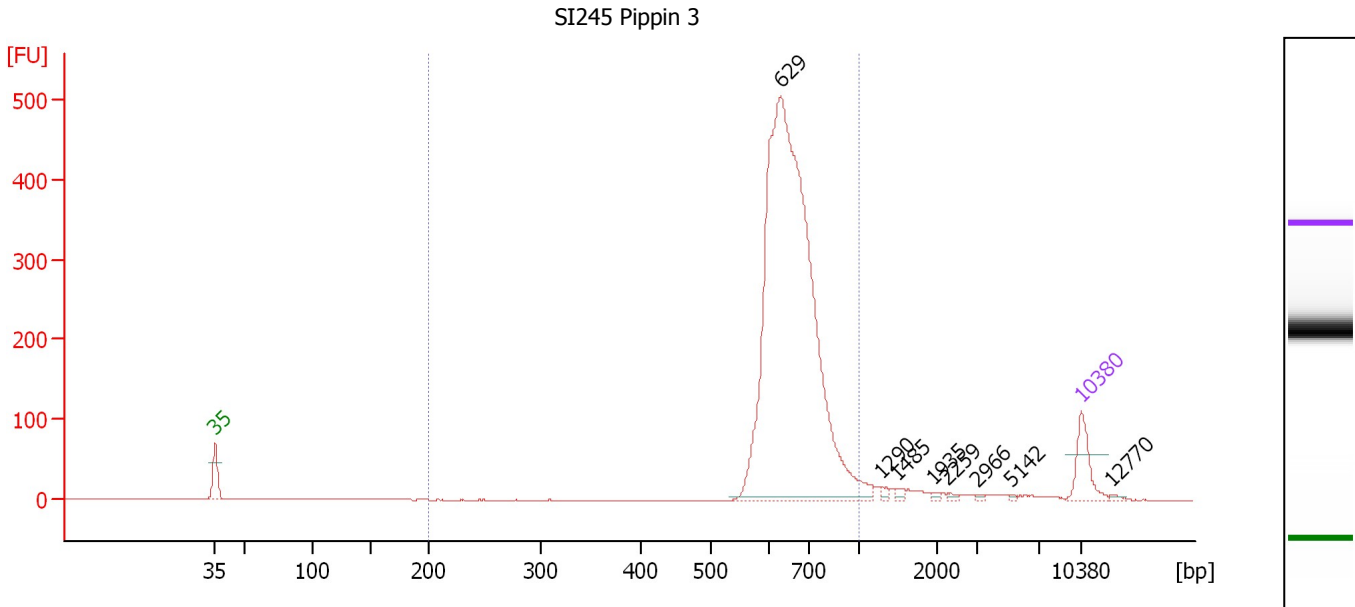
Region table for sample 2 : SI245 Pippin 2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	683	1,350.25	1,964.0	3,028.5	86	12.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
 Modified: 9/6/2018 5:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : SI245 Pippin 3

Number of peaks found: 8 Corr. Area 1: 2,519.6
 Noise: 0.3

Peak table for sample 3 : SI245 Pippin 3

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	629	2,107.90	5,074.6		88.69
3	1,290	9.22	10.8		96.84
4	1,485	8.96	9.1		98.09
5	1,935	5.54	4.3		100.97
6	2,259	5.11	3.4		102.22
7	2,966	3.69	1.9		104.51
8	5,142	2.99	0.9		107.31
9	10,380	75.00	10.9	Upper Marker	113.00
10	12,770	0.00	0.0		115.37

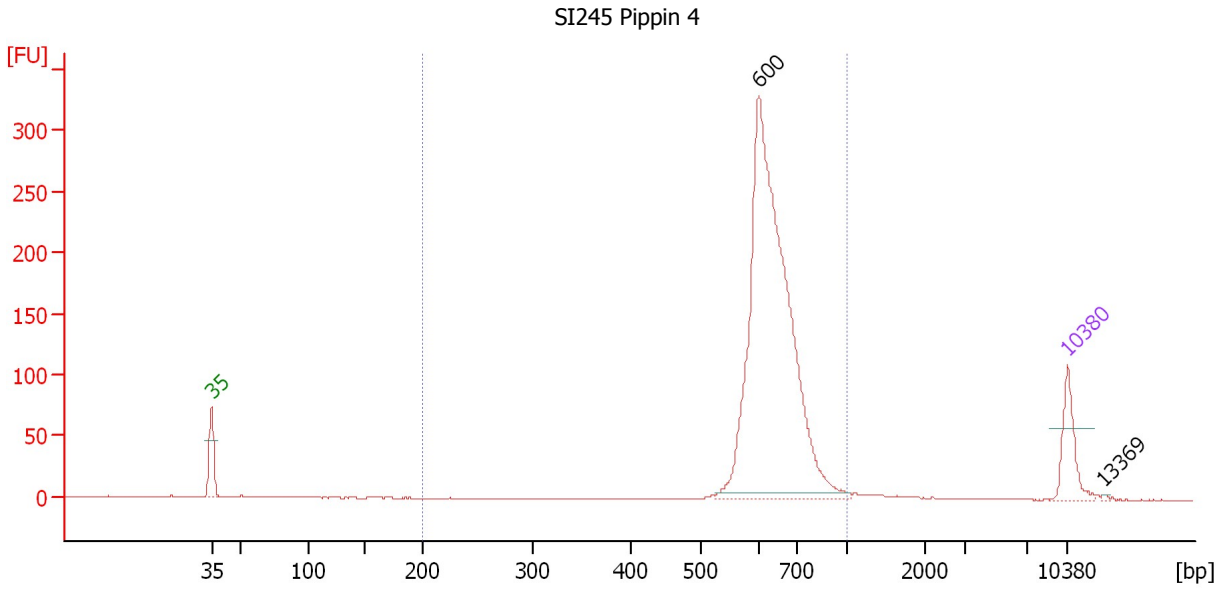
Region table for sample 3 : SI245 Pippin 3

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	669	2,061.74	2,519.6	4,723.7	93	11.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
 Modified: 9/6/2018 5:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SI245 Pippin 4

Number of peaks found: 2 Corr. Area 1: 1,324.5
 Noise: 0.3

Peak table for sample 4 : SI245 Pippin 4

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	600	1,199.62	3,031.4		87.75
3	10,380	75.00	10.9	Upper Marker	113.00
4	13,369	0.00	0.0		115.97

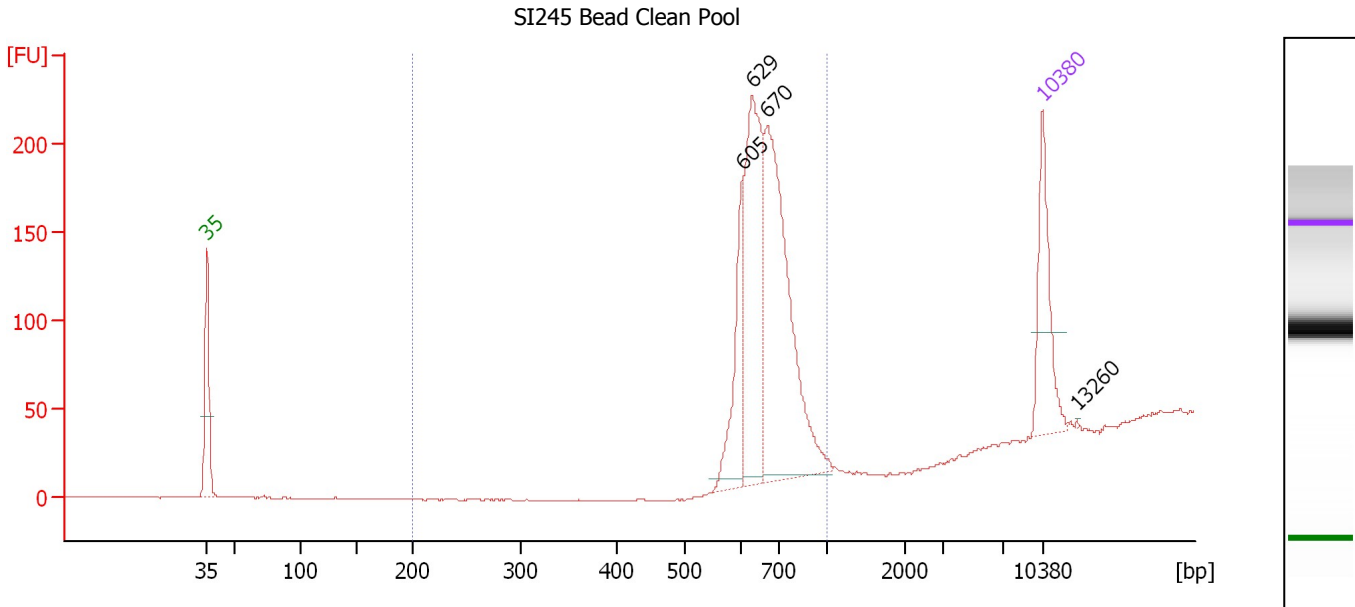
Region table for sample 4 : SI245 Pippin 4

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	642	1,206.15	1,324.5	2,869.7	97	10.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
 Modified: 9/6/2018 5:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : SI245 Bead Clean Pool

Number of peaks found: 4 Corr. Area 1: 916.1
 Noise: 0.3

Peak table for sample 5 : SI245 Bead Clean Pool

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	605	97.75	245.0		87.91
3	629	218.04	525.4		88.67
4	670	321.42	727.0		89.96
5	10,380	75.00	10.9	Upper Marker	113.00
6	13,260	0.00	0.0		115.86

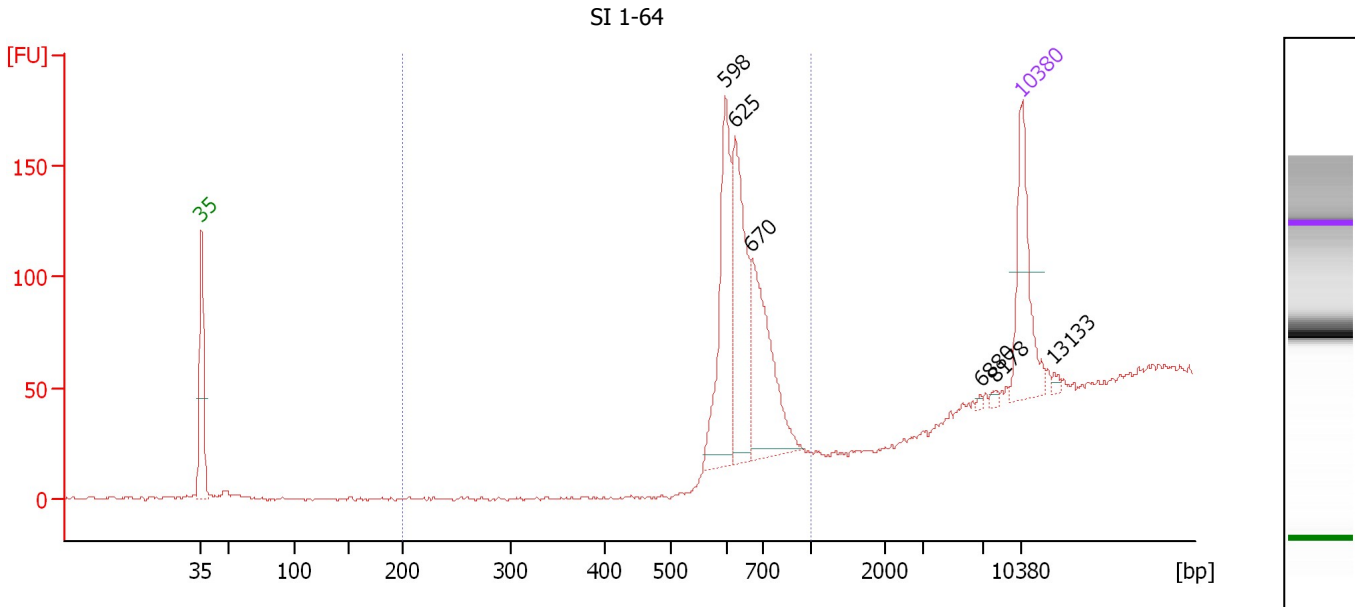
Region table for sample 5 : SI245 Bead Clean Pool

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	668	513.78	916.1	1,172.4	99	9.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
 Modified: 9/6/2018 5:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : SI 1-64

Number of peaks found: 6 Corr. Area 1: 486.2
 Noise: 0.8

Peak table for sample 6 : SI 1-64

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	598	147.37	373.1		87.69
3	625	144.44	350.0		88.56
4	670	141.35	319.6		89.97
5	6,880	1.71	0.4		109.50
6	8,178	2.90	0.5		110.82
7	10,380	75.00	10.9	Upper Marker	113.00
8	13,133	0.00	0.0		115.73

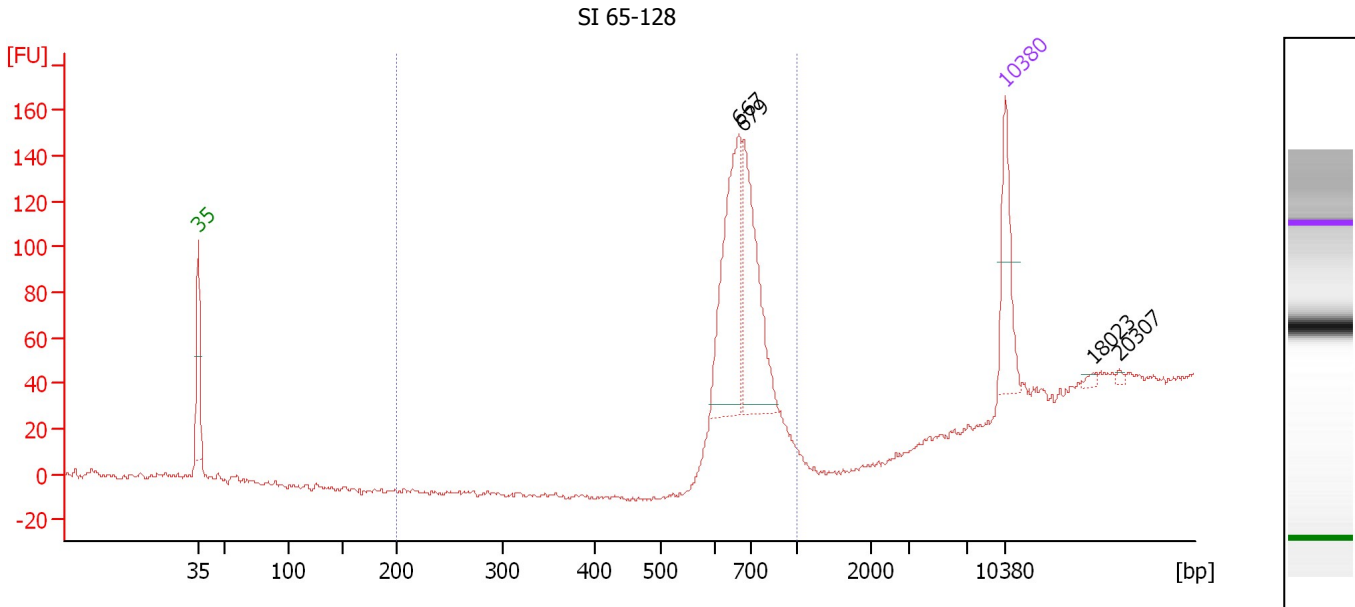
Region table for sample 6 : SI 1-64

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	645	327.62	486.2	773.5	96	7.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
 Modified: 9/6/2018 5:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : SI 65-128

Number of peaks found: 4 Corr. Area 1: 459.7
 Noise: 1.2

Peak table for sample 7 : SI 65-128

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	667	236.31	536.5		89.88
3	679	195.17	435.5		90.25
4	10,380	75.00	10.9	Upper Marker	113.00
5	18,023	0.00	0.0		120.58
6	20,307	0.00	0.0		122.85

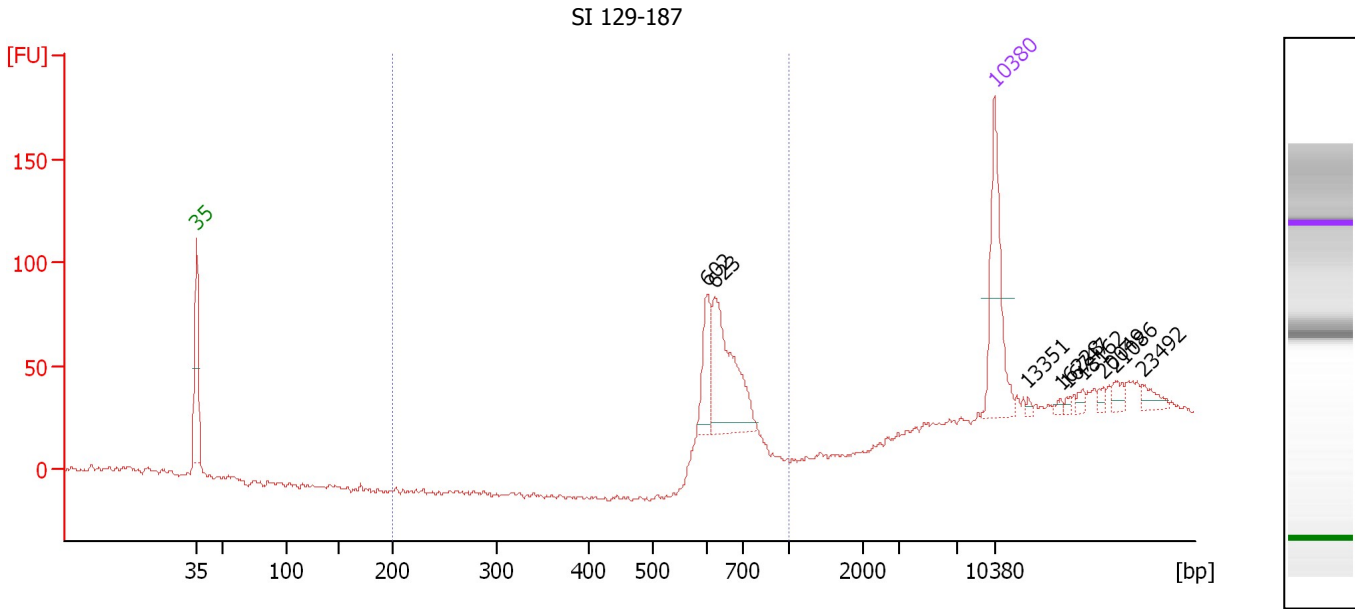
Region table for sample 7 : SI 65-128

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	680	439.43	459.7	983.8	95	7.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
 Modified: 9/6/2018 5:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : SI 129-187

Number of peaks found: 9 Corr. Area 1: 229.7
 Noise: 1.2

Peak table for sample 8 : SI 129-187

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	602	44.59	112.2		87.83
3	623	110.21	268.1		88.48
4	10,380	75.00	10.9	Upper Marker	113.00
5	13,351	0.00	0.0		115.95
6	16,228	0.00	0.0		118.80
7	16,747	0.00	0.0		119.32
8	18,162	0.00	0.0		120.72
9	20,049	0.00	0.0		122.59
10	21,086	0.00	0.0		123.62
11	23,492	0.00	0.0		126.01

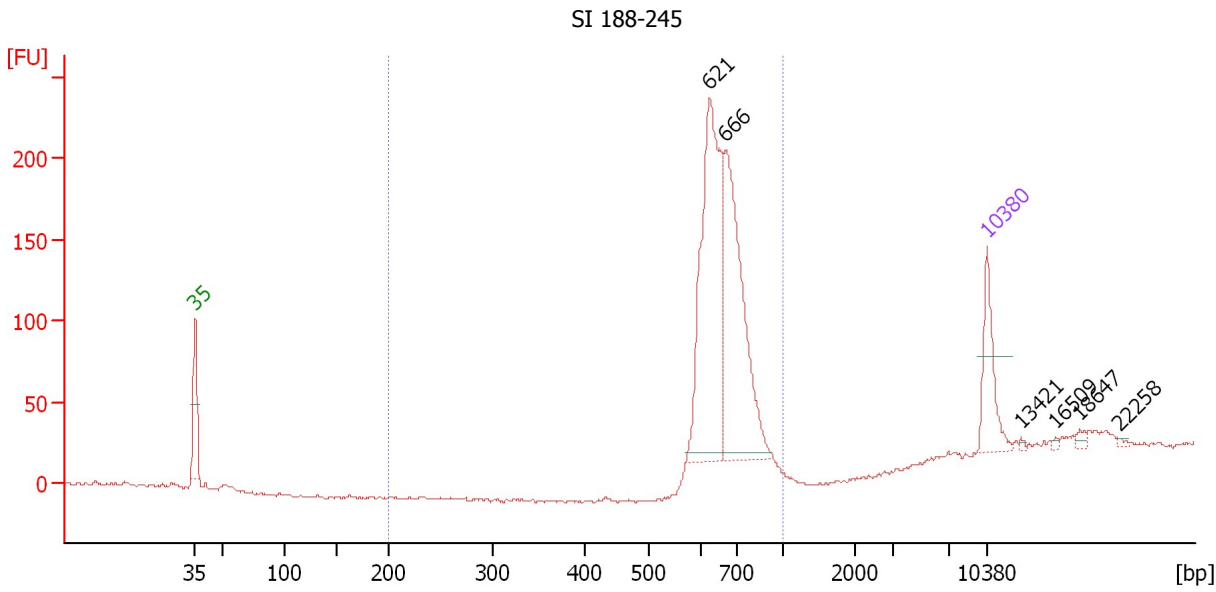
Region table for sample 8 : SI 129-187

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	644	157.44	229.7	371.5	66	6.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
 Modified: 9/6/2018 5:18:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : SI 188-245

Number of peaks found: 6 Corr. Area 1: 933.7
 Noise: 0.9

Peak table for sample 9 : SI 188-245

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	621	435.41	1,061.5		88.44
3	666	373.85	850.0		89.86
4	10,380	75.00	10.9	Upper Marker	113.00
5	13,421	0.00	0.0		116.02
6	16,509	0.00	0.0		119.08
7	18,647	0.00	0.0		121.20
8	22,258	0.00	0.0		124.78

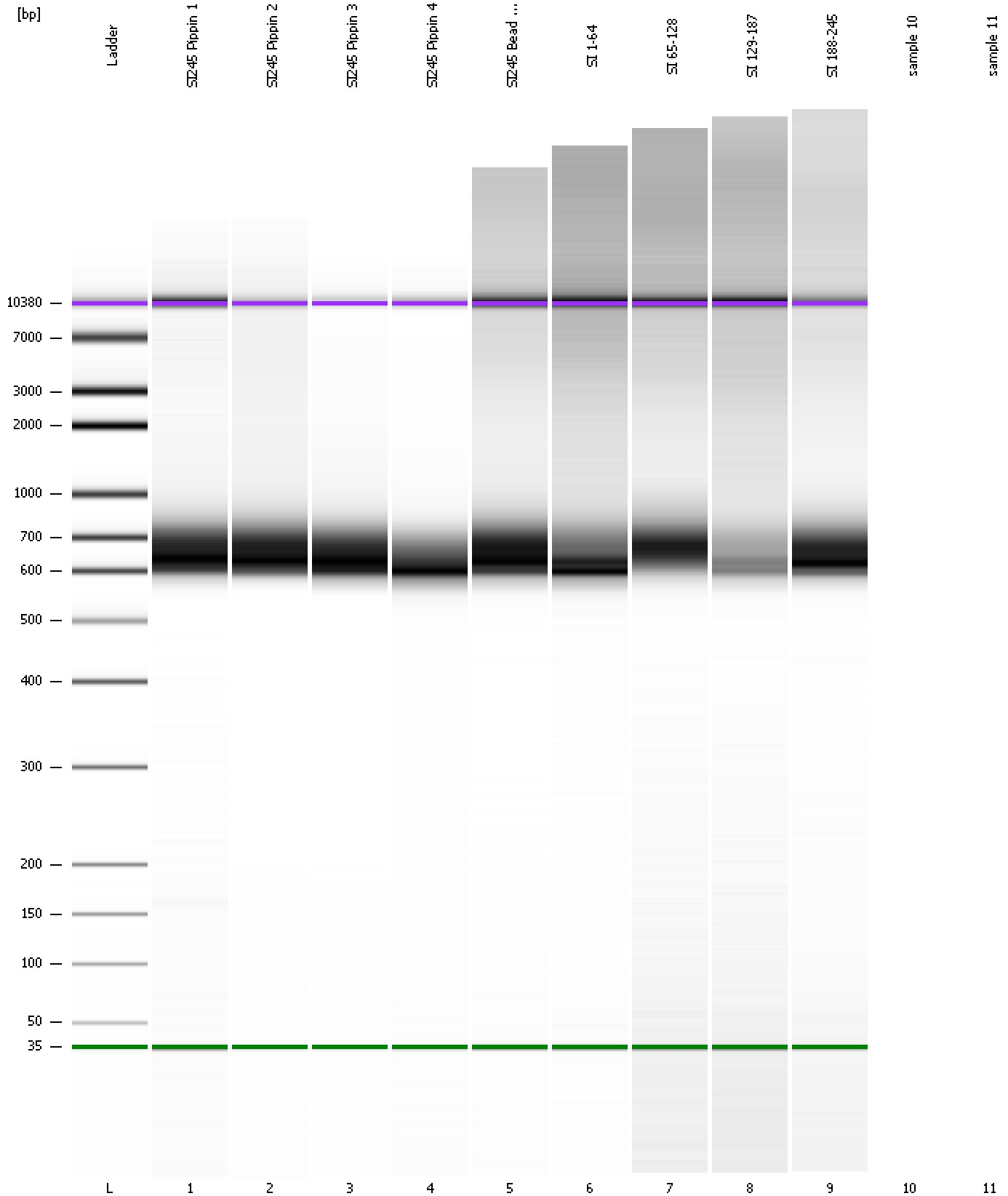
Region table for sample 9 : SI 188-245

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	666	822.66	933.7	1,882.7	94	9.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
Modified: 9/6/2018 5:18:24 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-06\2018-09-06_001.xad

Created: 9/6/2018 4:42:48 PM
Modified: 9/6/2018 5:18:24 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.