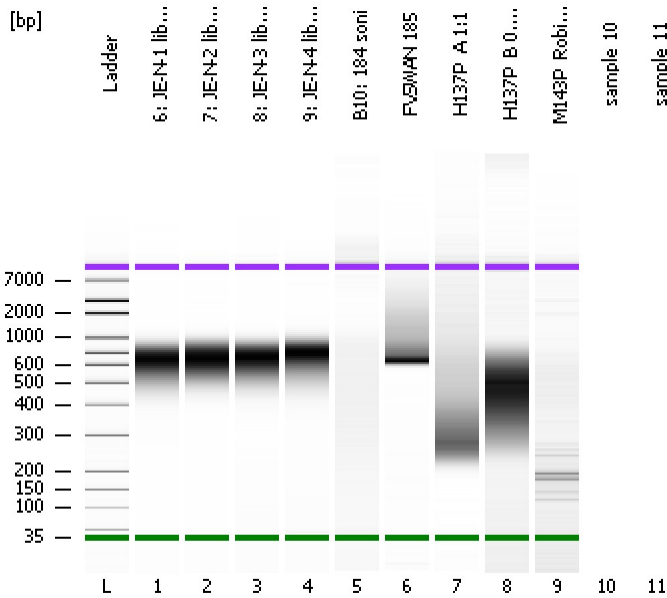


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
 Modified: 6/23/2015 10:56:16 AM

Electrophoresis File Run Summary



Instrument Information:

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

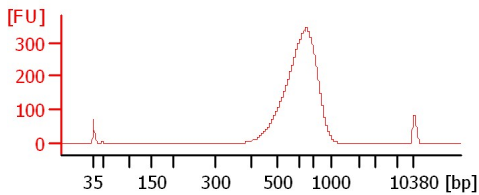
Assay Information:

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

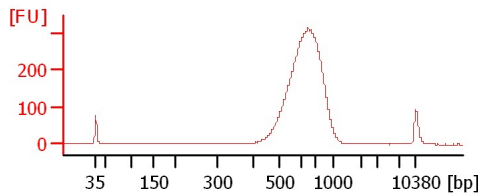
Chip Information:

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

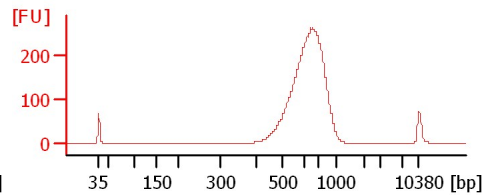
6: JE-N-1 library



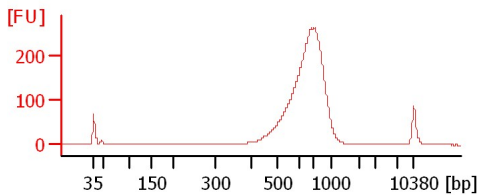
7: JE-N-2 library



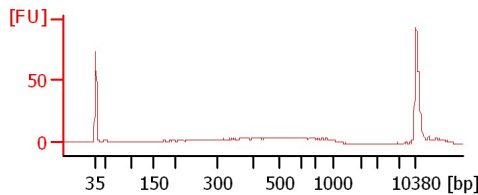
8: JE-N-3 library



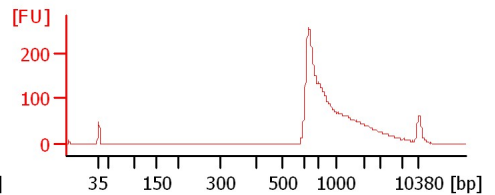
9: JE-N-4 library



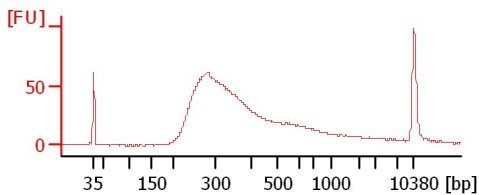
B10: 184 soni



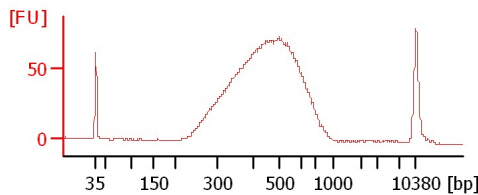
FVSWAN 185



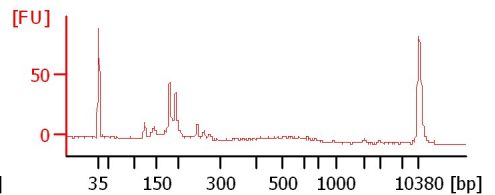
H137P_A 1:1



H137P_B 0.53x 1:2



M143P_Robinson



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
Modified: 6/23/2015 10:56:16 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
6: JE-N-1 library		<input type="checkbox"/>	✓			
7: JE-N-2 library		<input type="checkbox"/>	✓			
8: JE-N-3 library		<input type="checkbox"/>	✓			
9: JE-N-4 library		<input type="checkbox"/>	✓			
B10: 184 soni		<input type="checkbox"/>	✓			
FVSWAN 185		<input type="checkbox"/>	✓			
H137P_A 1:1		<input type="checkbox"/>	✓			
H137P_B 0.53x 1:2		<input type="checkbox"/>	✓			
M143P_Robinson		<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:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
Modified: 6/23/2015 10:56:16 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

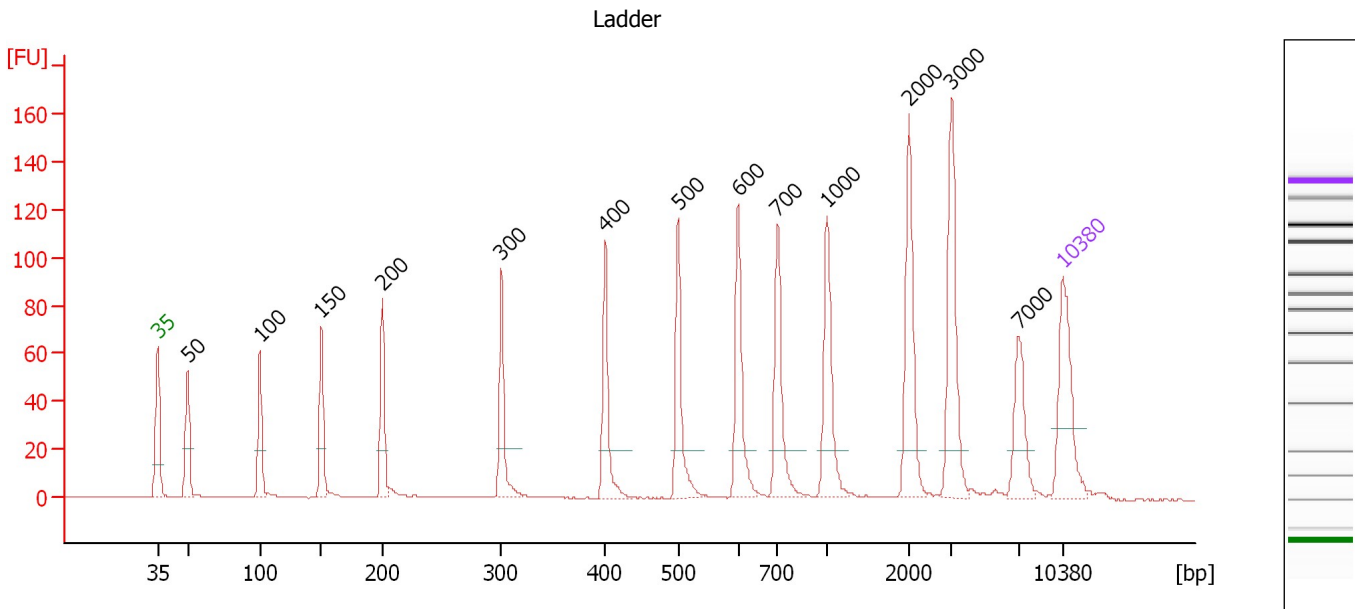
Ladder

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\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
 Modified: 6/23/2015 10:56:16 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

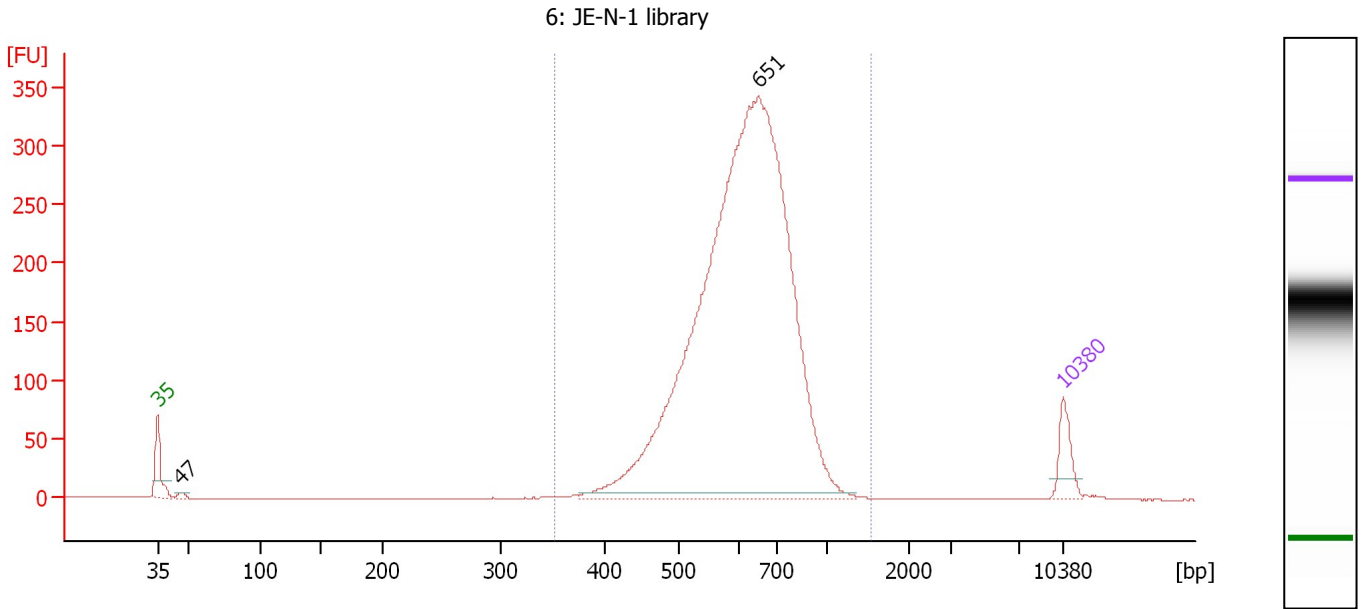
Peak table for Ladder

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	55.65
5	200	150.00	1,136.4	Ladder Peak	60.39
6	300	150.00	757.6	Ladder Peak	69.59
7	400	150.00	568.2	Ladder Peak	77.60
8	500	150.00	454.5	Ladder Peak	83.24
9	600	150.00	378.8	Ladder Peak	87.88
10	700	150.00	324.7	Ladder Peak	90.91
11	1,000	150.00	227.3	Ladder Peak	94.75
12	2,000	150.00	113.6	Ladder Peak	101.06
13	3,000	150.00	75.8	Ladder Peak	104.37
14	7,000	150.00	32.5	Ladder Peak	109.54
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
 Modified: 6/23/2015 10:56:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 6: JE-N-1 library

Number of peaks found: 2 Corr. Area 1: 3,234.5
 Noise: 0.1

Peak table for sample 1 : 6: JE-N-1 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	47	15.01	486.5		44.82
3	651	3,776.13	8,789.2		89.43
4	10,380	75.00	10.9	Upper Marker	113.00

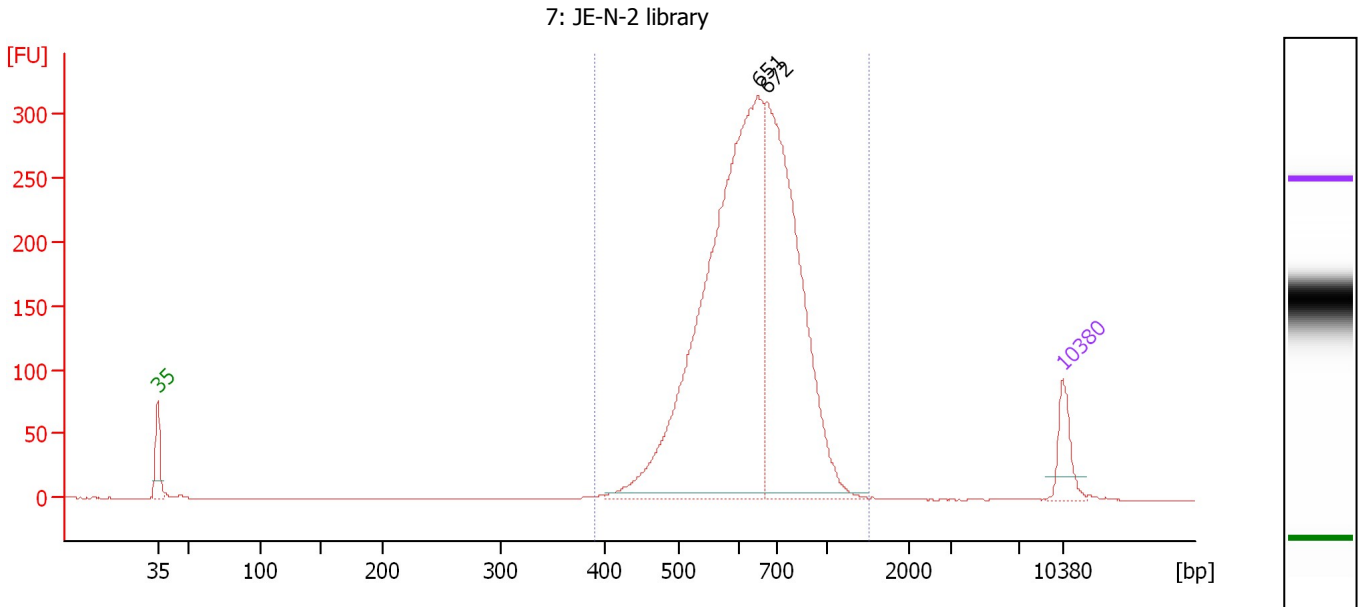
Region table for sample 1 : 6: JE-N-1 library

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
352	633	1,540	3,234.5	9,765.4	98	18.9	3,919.42

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
 Modified: 6/23/2015 10:56:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 7: JE-N-2 library

Number of peaks found: 2 Corr. Area 1: 3,045.4
 Noise: 0.1

Peak table for sample 2 : 7: JE-N-2 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	651	1,975.40	4,598.7		89.42
3	672	1,222.79	2,758.3		90.06
4	10,380	75.00	10.9	Upper Marker	113.00

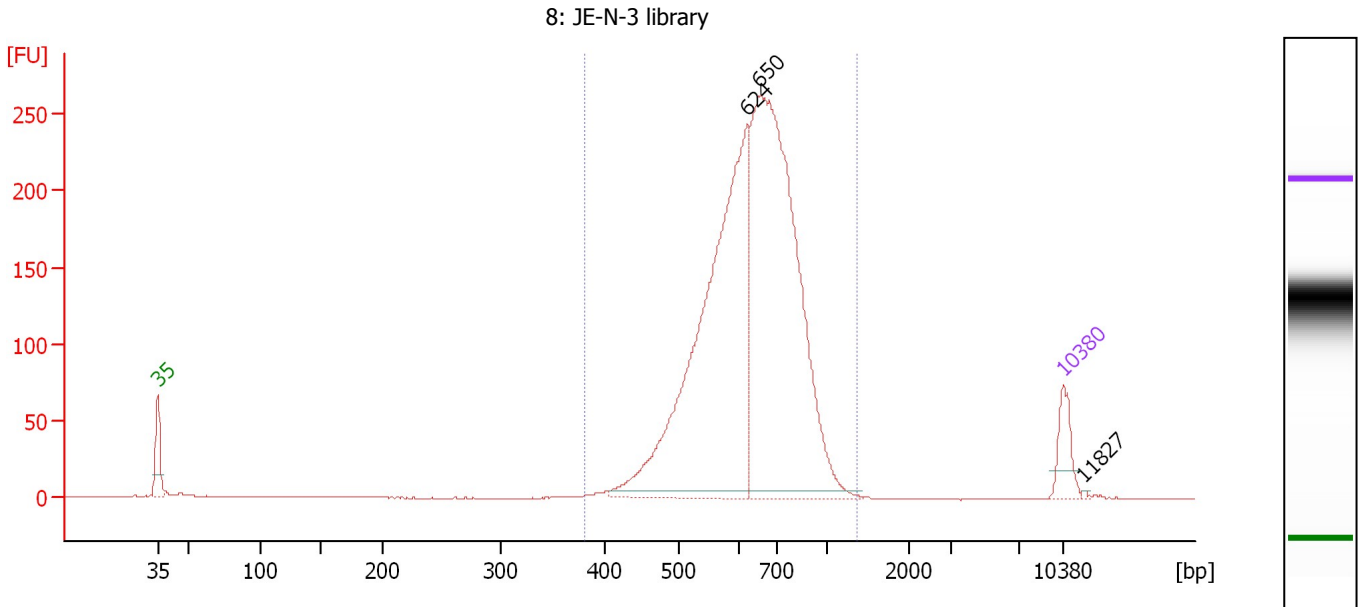
Region table for sample 2 : 7: JE-N-2 library

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
390	657	1,520	3,045.4	7,793.6	99	19.6	3,246.60

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
 Modified: 6/23/2015 10:56:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 8: JE-N-3 library

Number of peaks found: 3 Corr. Area 1: 2,441.1
 Noise: 0.2

Peak table for sample 3 : 8: JE-N-3 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	624	1,494.40	3,627.8		88.61
3	650	1,652.85	3,851.8		89.40
4	10,380	75.00	10.9	Upper Marker	113.00
5	11,827	0.00	0.0		114.48

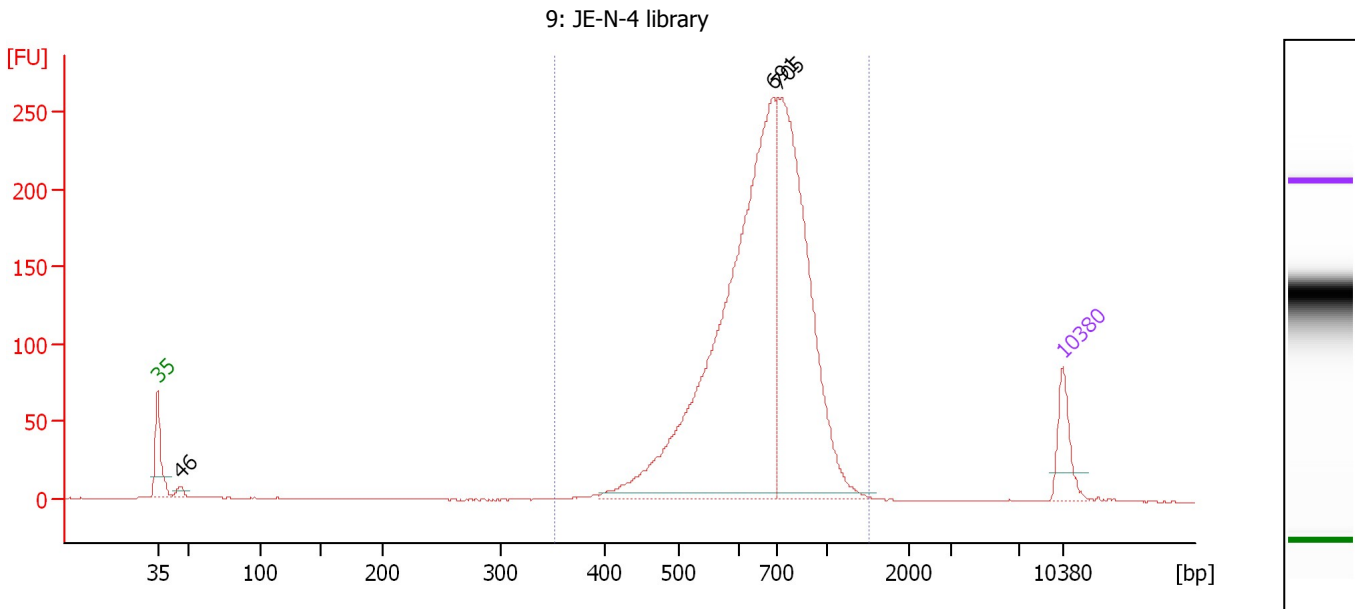
Region table for sample 3 : 8: JE-N-3 library

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
381	654	1,365	2,441.1	7,756.9	98	19.0	3,216.28

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
 Modified: 6/23/2015 10:56:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 9: JE-N-4 library

Number of peaks found: 3 Corr. Area 1: 2,267.1
 Noise: 0.1

Peak table for sample 4 : 9: JE-N-4 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	46	23.53	775.2		44.70
3	691	1,678.87	3,682.6		90.63
4	705	1,025.22	2,202.0		90.98
5	10,380	75.00	10.9	Upper Marker	113.00

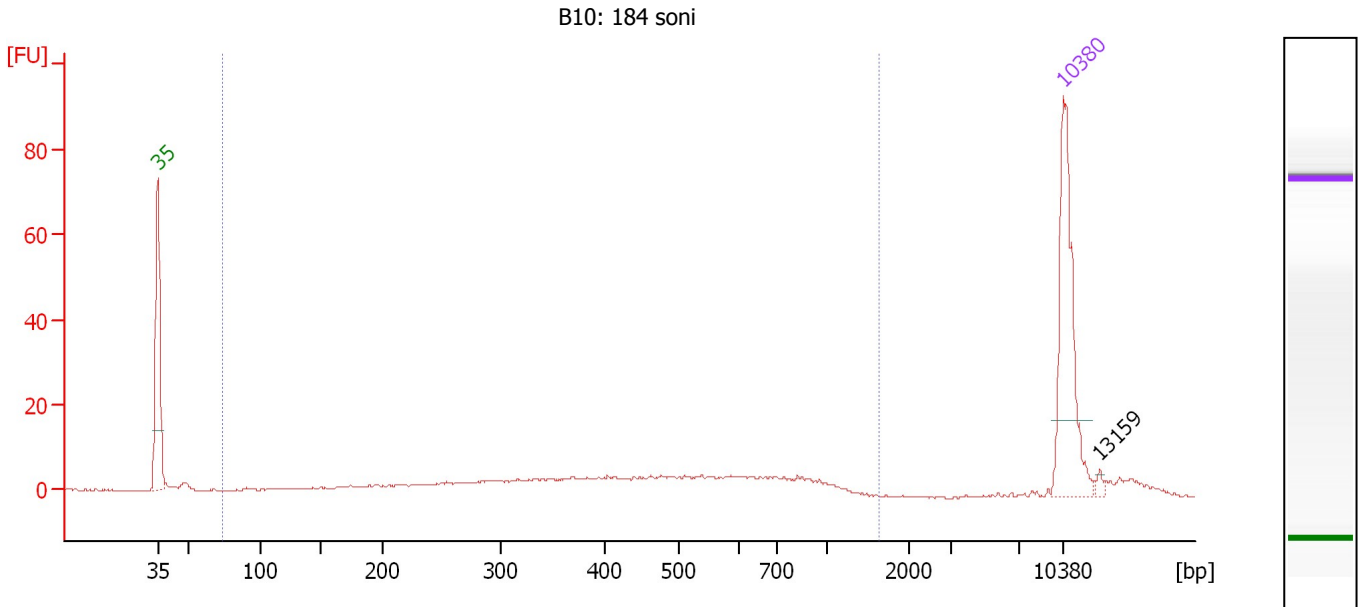
Region table for sample 4 : 9: JE-N-4 library

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
352	691	1,521	2,267.1	6,255.6	98	21.3	2,710.64

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
 Modified: 6/23/2015 10:56:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : B10: 184 soni

Number of peaks found: 1 Corr. Area 1: 166.2
 Noise: 0.2

Peak table for sample 5 : B10: 184 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	13,159	0.00	0.0		115.84

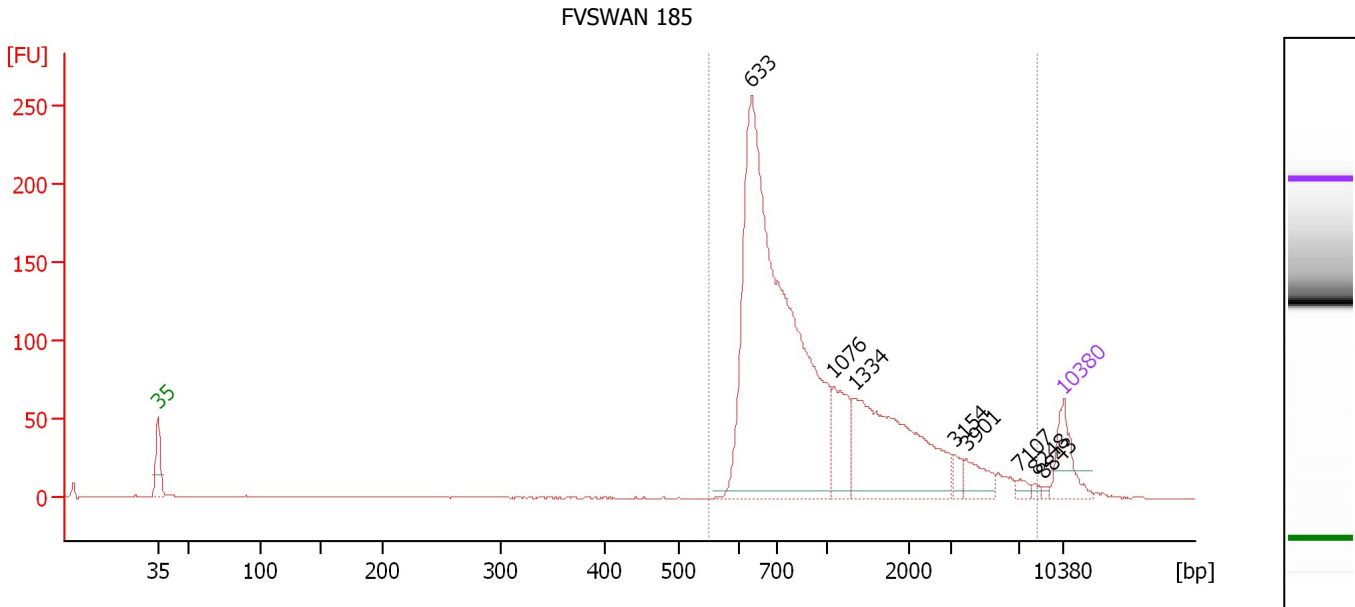
Region table for sample 5 : B10: 184 soni

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
74	478	1,630	166.2	885.6	85	48.4	187.03

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
 Modified: 6/23/2015 10:56:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : FVSWAN 185

Number of peaks found: 8 Corr. Area 1: 1,732.1
 Noise: 0.3

Peak table for sample 6 : FVSWAN 185

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	633	1,502.08	3,594.3		88.89
3	1,076	128.48	180.9		95.23
4	1,334	423.65	481.2		96.86
5	3,154	24.42	11.7		104.57
6	3,901	49.37	19.2		105.54
7	7,107	12.65	2.7		109.65
8	8,248	5.58	1.0		110.82
9	8,843	4.99	0.9		111.43
10	10,380	75.00	10.9	Upper Marker	113.00

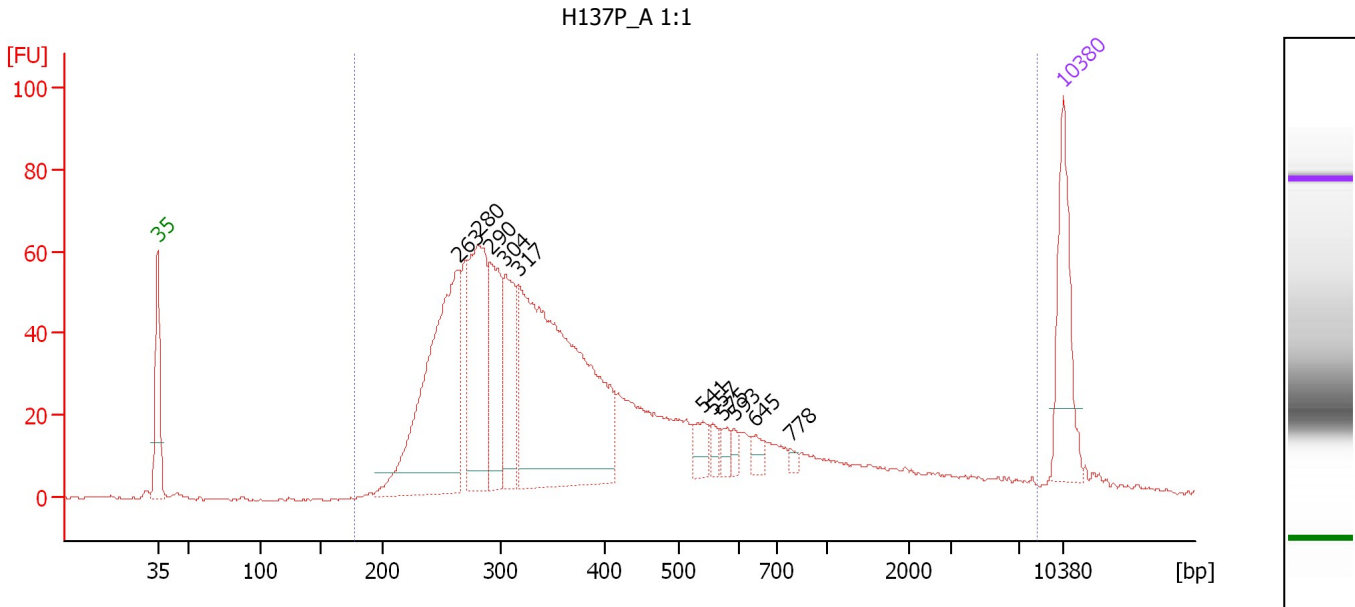
Region table for sample 6 : FVSWAN 185

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
550	1,347	8,423	1,732.1	3,625.8	98	93.1	2,102.20

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
 Modified: 6/23/2015 10:56:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : H137P A 1:1

Number of peaks found: 11 Corr. Area 1: 1,467.6
 Noise: 0.3

Peak table for sample 7 : H137P A 1:1

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	263	338.11	1,947.0		66.20
3	280	192.07	1,037.8		67.79
4	290	108.79	567.5		68.71
5	304	104.52	521.3		69.89
6	317	493.55	2,361.9		70.92
7	541	22.50	63.0		85.13
8	557	11.61	31.6		85.90
9	575	11.30	29.8		86.72
10	593	9.02	23.1		87.55
11	645	11.17	26.2		89.24
12	778	4.39	8.6		91.91
13	10,380	75.00	10.9	Upper Marker	113.00

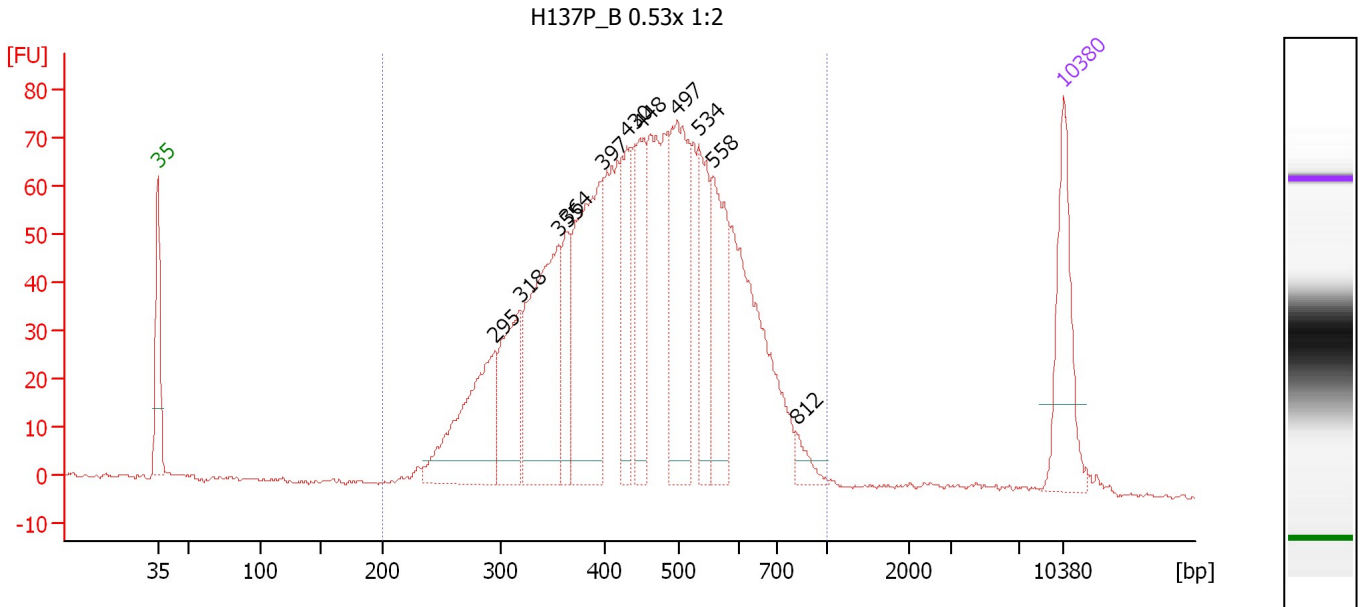
Region table for sample 7 : H137P A 1:1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
177	600	8,350	1,467.6	7,969.4	98	100.0	1,789.76

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
 Modified: 6/23/2015 10:56:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : H137P B 0.53x 1:2

Number of peaks found: 11 Corr. Area 1: 1,649.1
 Noise: 0.4

Peak table for sample 8 : H137P B 0.53x 1:2

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	295	169.19	869.9		69.10
3	318	112.53	536.2		71.03
4	355	221.46	945.6		73.98
5	364	61.37	255.6		74.69
6	397	219.63	837.4		77.39
7	430	68.52	241.6		79.27
8	448	102.26	346.0		80.29
9	497	170.67	519.9		83.09
10	534	87.80	249.1		84.82
11	558	110.84	300.9		85.94
12	812	15.49	28.9		92.35
13	10,380	75.00	10.9	Upper Marker	113.00

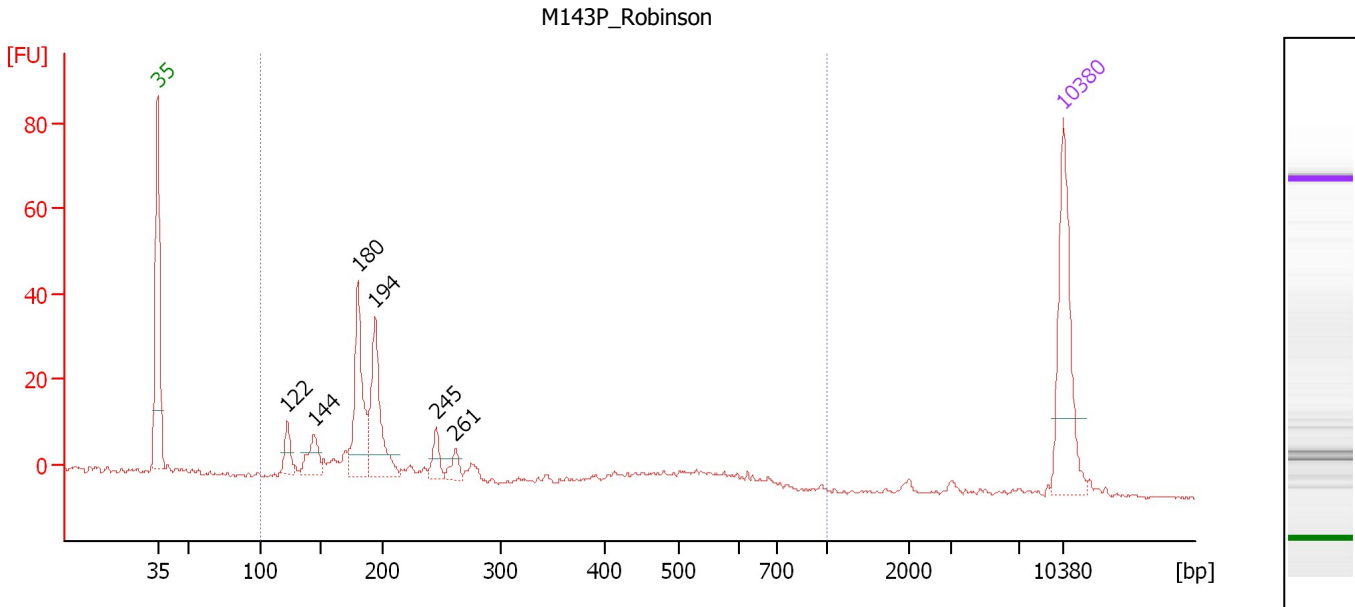
Region table for sample 8 : H137P B 0.53x 1:2

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
200	457	1,000	1,649.1	7,086.9	99	25.4	1,945.43

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
 Modified: 6/23/2015 10:56:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : M143P_Robinson

Number of peaks found: 6 Corr. Area 1: 211.0
 Noise: 0.2

Peak table for sample 9 : M143P_Robinson

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	122	22.51	279.6		53.00
3	144	31.08	327.6		55.06
4	180	94.38	796.0		58.46
5	194	89.61	700.6		59.80
6	245	17.56	108.5		64.55
7	261	12.85	74.6		65.99
8	10,380	75.00	10.9	Upper Marker	113.00

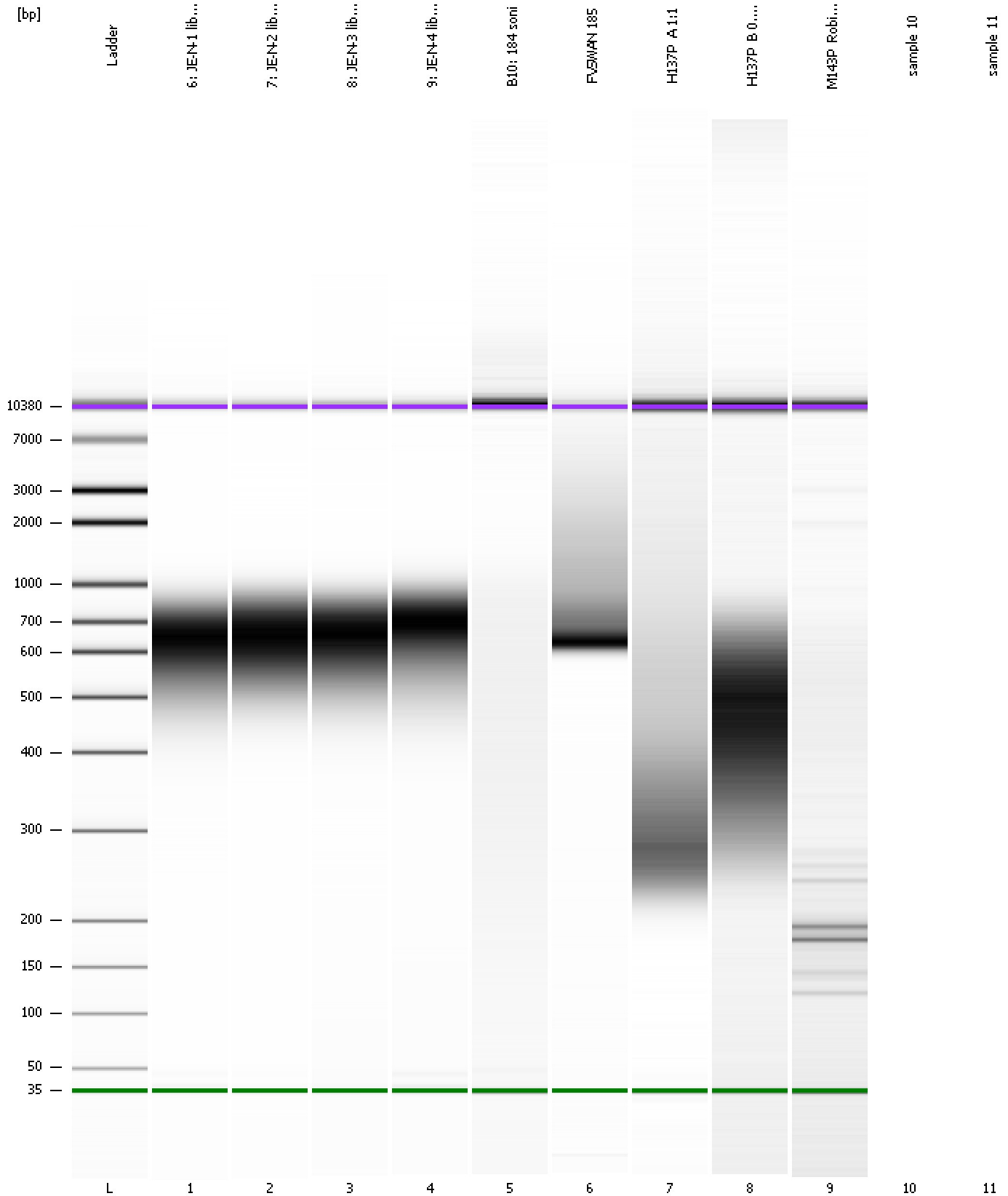
Region table for sample 9 : M143P_Robinson

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
100	255	1,000	211.0	2,656.6	96	55.0	341.49

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
Modified: 6/23/2015 10:56:16 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_001.xad

Created: 6/23/2015 10:06:18 AM
Modified: 6/23/2015 10:56:16 AM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.