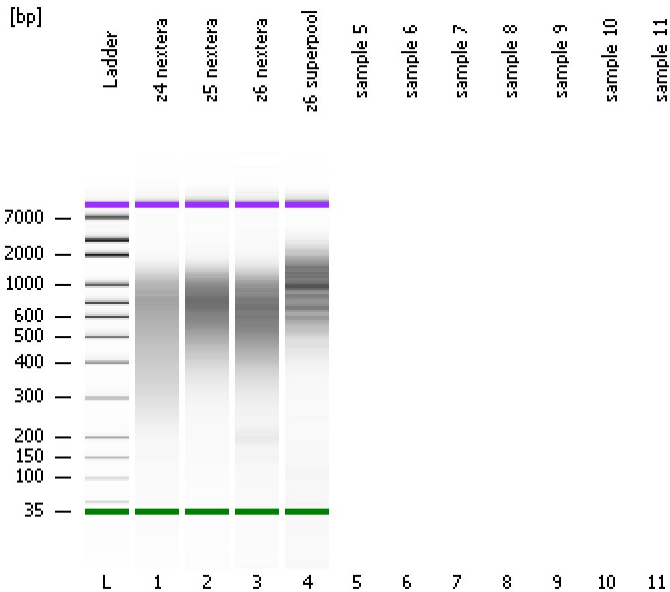


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-06\2017-10-06_003.xad

Created: 10/6/2017 2:29:15 PM
Modified: 10/6/2017 2:59:28 PM

Electrophoresis File Run Summary



Instrument Information:

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

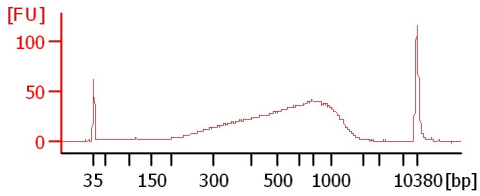
Assay Information:

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

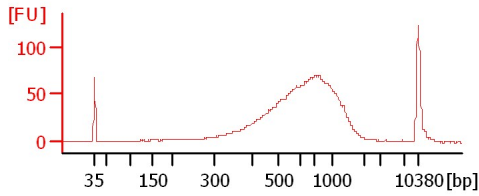
Chip Information:

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

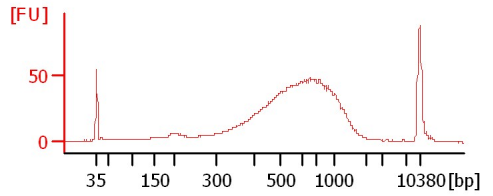
z4 nextera



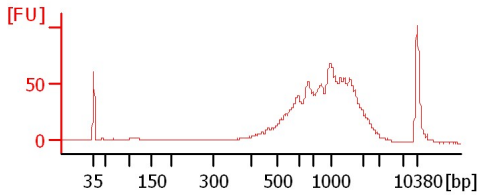
z5 nextera



z6 nextera



z6 superpool



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-06\2017-10-06_003.xad

Created: 10/6/2017 2:29:15 PM
Modified: 10/6/2017 2:59:28 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
z4 nextera		<input type="checkbox"/>	✓			
z5 nextera		<input type="checkbox"/>	✓			
z6 nextera		<input type="checkbox"/>	✓			
z6 superpool		<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>				
sample 6		<input type="checkbox"/>				
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<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\2017-10-06\2017-10-06_003.xad

Created: 10/6/2017 2:29:15 PM
Modified: 10/6/2017 2:59:28 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

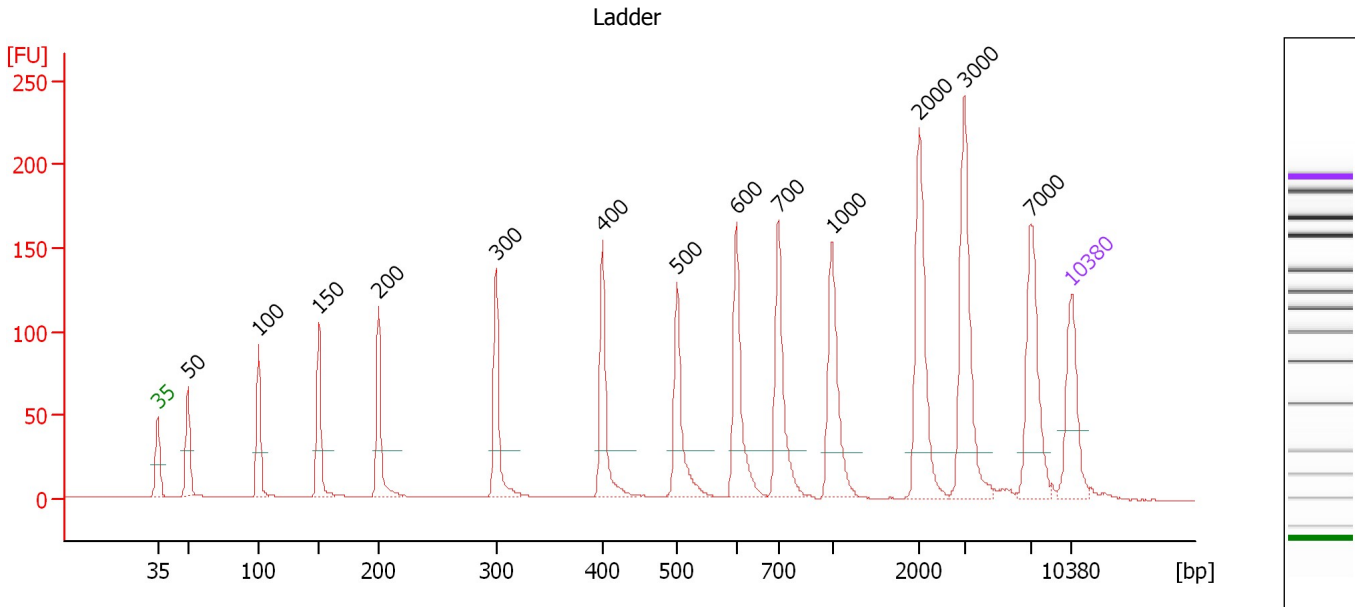
Ladder

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\2017-10-06\2017-10-06_003.xad

Created: 10/6/2017 2:29:15 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

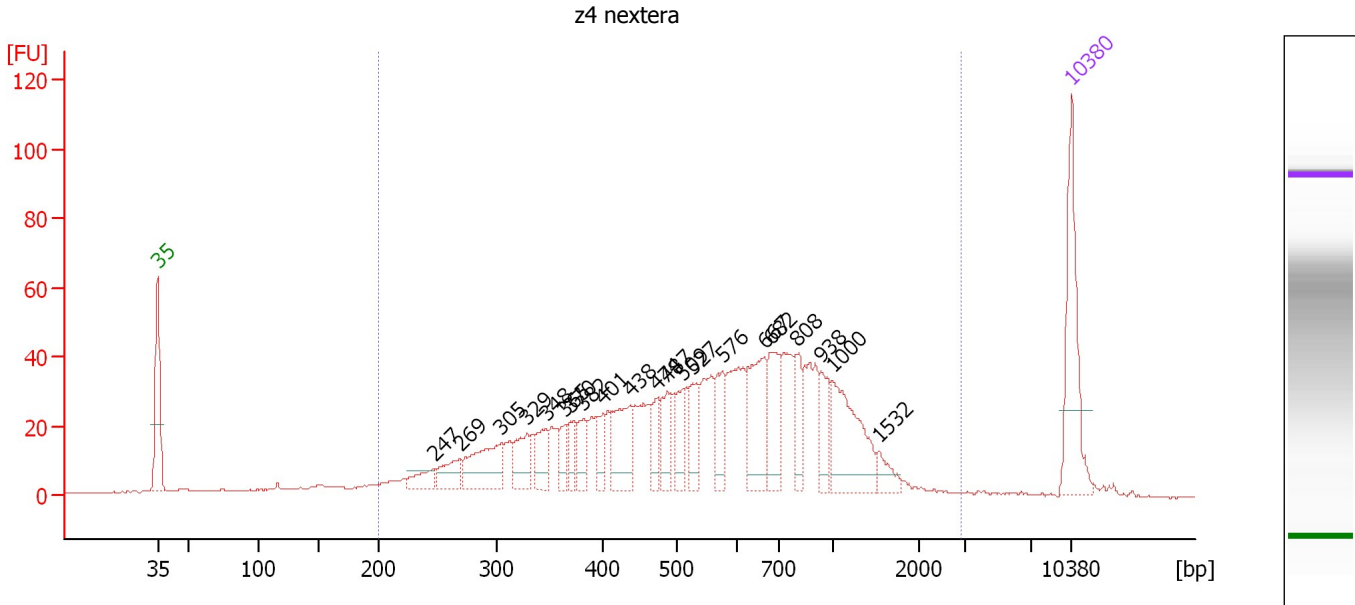
Peak table for Ladder

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	45.35
3	100	150.00	2,272.7	Ladder Peak	50.75
4	150	150.00	1,515.2	Ladder Peak	55.36
5	200	150.00	1,136.4	Ladder Peak	59.92
6	300	150.00	757.6	Ladder Peak	68.92
7	400	150.00	568.2	Ladder Peak	77.07
8	500	150.00	454.5	Ladder Peak	82.78
9	600	150.00	378.8	Ladder Peak	87.35
10	700	150.00	324.7	Ladder Peak	90.54
11	1,000	150.00	227.3	Ladder Peak	94.66
12	2,000	150.00	113.6	Ladder Peak	101.35
13	3,000	150.00	75.8	Ladder Peak	104.80
14	7,000	150.00	32.5	Ladder Peak	109.85
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-06\2017-10-06_003.xad

Created: 10/6/2017 2:29:15 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : z4 nextera

Number of peaks found: 21 Corr. Area 1: 1,156.9
 Noise: 0.2

Peak table for sample 1 : z4 nextera

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	247	21.20	130.0		64.15
3	269	29.70	167.1		66.16
4	305	68.08	338.3		69.32
5	329	36.54	168.0		71.32
6	348	30.45	132.8		72.79
7	365	18.07	75.0		74.22
8	370	18.89	77.3		74.66
9	382	26.14	103.7		75.60
10	401	22.46	84.9		77.11
11	438	56.93	196.9		79.25
12	474	22.21	71.0		81.30
13	487	34.01	105.8		82.05
14	509	34.76	103.4		83.21
15	527	34.13	98.2		84.01
16	576	34.64	91.2		86.24
17	667	72.27	164.1		89.49
18	682	48.77	108.3		89.98
19	808	30.23	56.7		92.03
20	938	27.58	44.6		93.81
21	1,000	83.40	126.4		94.65
22	1,532	14.38	14.2		98.22
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-06\2017-10-06_003.xad

Created: 10/6/2017 2:29:15 PM
Modified: 10/6/2017 2:59:28 PM

Electropherogram Summary Continued ...

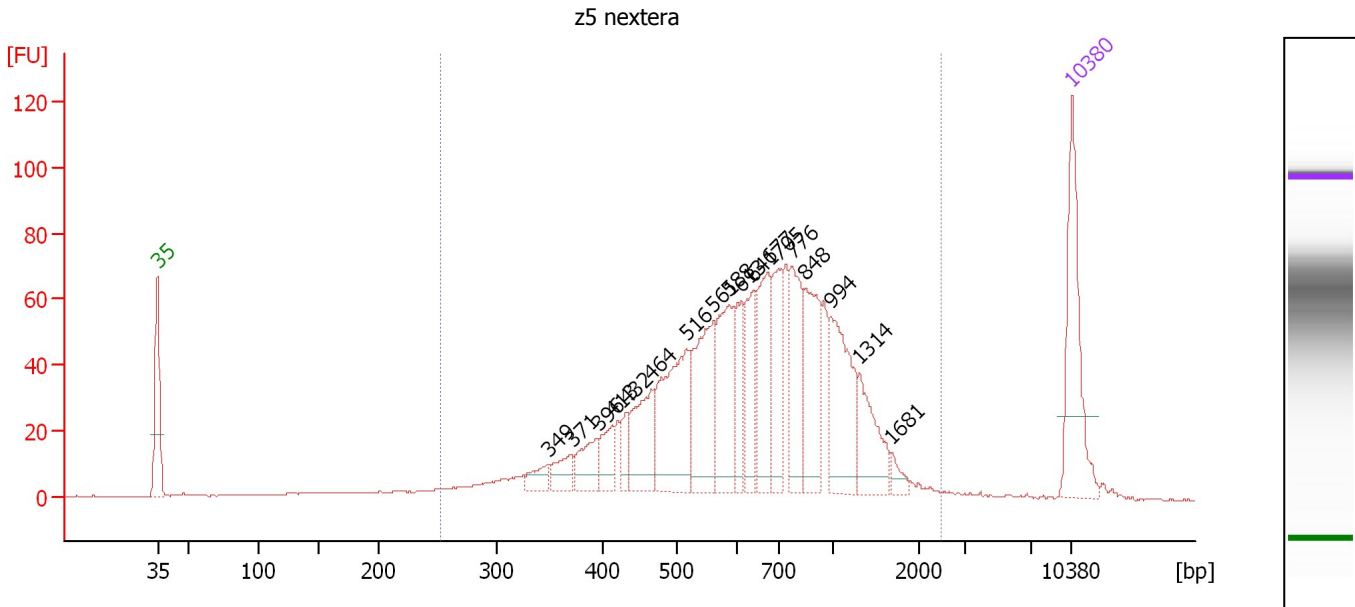
... Region table for sample 1 : z4 nextera

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	2,921	640	1,156.9	4,267.5	1,319.83	92	54.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-06\2017-10-06_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : z5 nextera

Number of peaks found: 18 Corr. Area 1: 1,353.1
 Noise: 0.2

Peak table for sample 2 : z5 nextera

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	349	16.04	69.7		72.89
3	371	20.46	83.5		74.72
4	396	31.28	119.6		76.77
5	413	26.32	96.6		77.80
6	432	15.85	55.6		78.91
7	464	61.23	199.8		80.74
8	516	112.73	331.1		83.51
9	561	92.39	249.6		85.56
10	588	77.96	200.8		86.81
11	613	39.95	98.8		87.75
12	641	49.83	117.9		88.64
13	677	73.93	165.5		89.80
14	705	53.15	114.3		90.60
15	776	63.79	124.5		91.59
16	848	73.07	130.6		92.57
17	994	85.44	130.3		94.57
18	1,314	45.69	52.7		96.76
19	1,681	8.56	7.7		99.21
20	10,380	75.00	10.9	Upper Marker	113.00

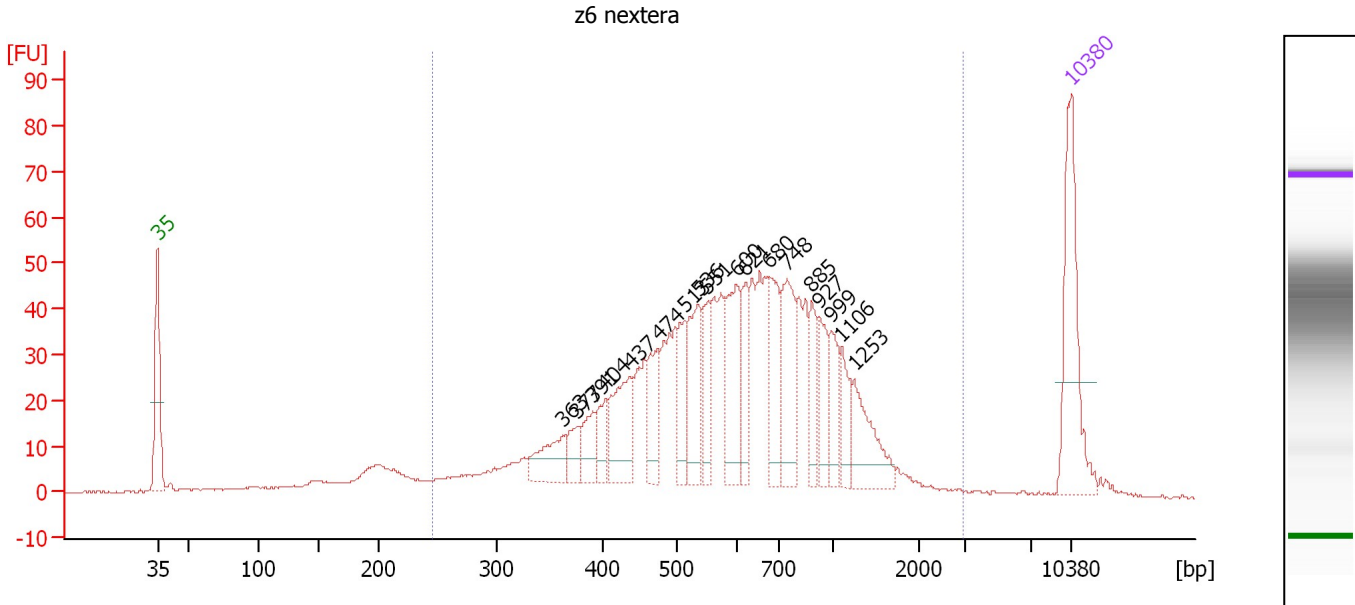
Region table for sample 2 : z5 nextera

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
253	2,490	728	1,353.1	3,015.0	1,165.04	95	45.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-06\2017-10-06_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : z6 nextera

Number of peaks found: 18 Corr. Area 1: 1,059.9
 Noise: 0.2

Peak table for sample 3 : z6 nextera

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	363	37.47	156.4		74.05
3	377	19.20	77.2		75.17
4	391	24.93	96.6		76.34
5	404	22.22	83.4		77.28
6	437	59.40	206.1		79.17
7	474	35.40	113.1		81.32
8	513	35.37	104.4		83.38
9	536	54.84	155.1		84.42
10	551	32.91	90.4		85.13
11	600	63.35	160.0		87.33
12	621	31.45	76.8		88.01
13	680	47.19	105.2		89.89
14	748	63.80	129.3		91.19
15	885	27.14	46.5		93.08
16	927	29.52	48.2		93.66
17	999	27.62	41.9		94.65
18	1,106	23.16	31.7		95.37
19	1,253	44.32	53.6		96.35
20	10,380	75.00	10.9	Upper Marker	113.00

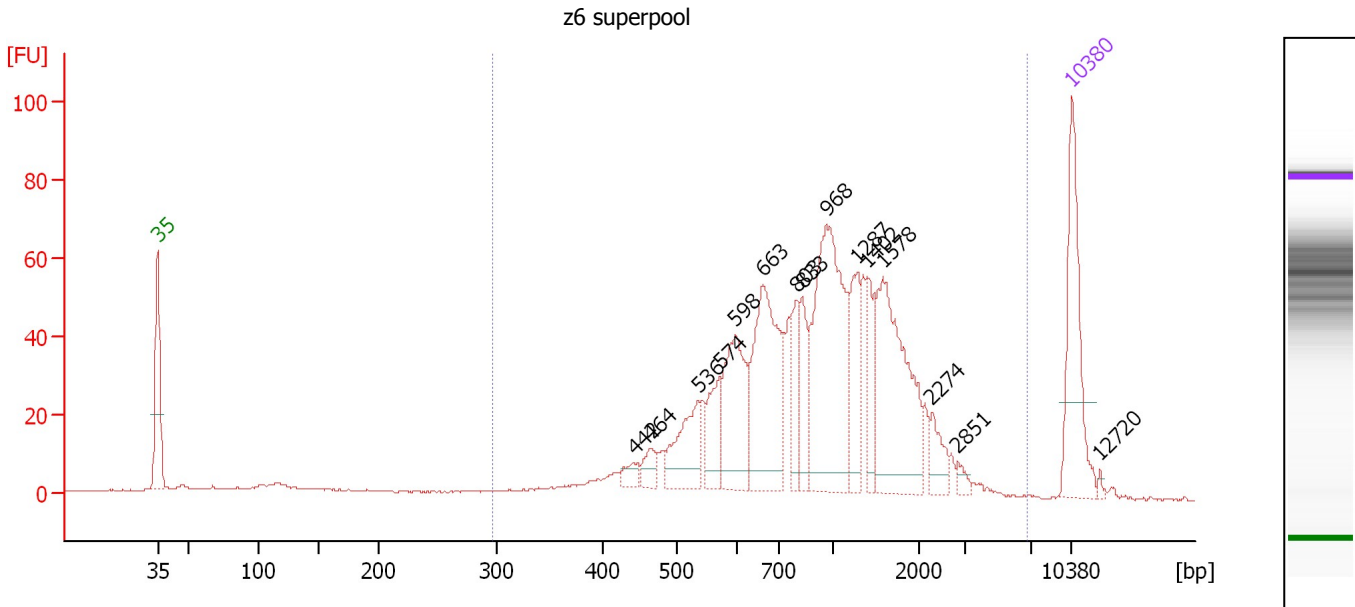
Region table for sample 3 : z6 nextera

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
246	2,967	681	1,059.9	3,274.9	1,174.94	91	48.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-06\2017-10-06_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : z6 superpool

Number of peaks found: 15 Corr. Area 1: 1,037.6
 Noise: 0.2

Peak table for sample 4 : z6 superpool

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	442	11.39	39.0		79.47
3	464	15.34	50.1		80.74
4	536	52.87	149.5		84.42
5	574	37.98	100.3		86.14
6	598	82.31	208.4		87.28
7	663	135.57	309.7		89.36
8	803	30.92	58.4		91.95
9	833	33.87	61.6		92.36
10	968	175.10	274.1		94.22
11	1,287	47.91	56.4		96.58
12	1,402	30.56	33.0		97.35
13	1,578	128.27	123.1		98.53
14	2,274	18.48	12.3		102.29
15	2,851	5.49	2.9		104.29
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,720	0.00	0.0		115.18

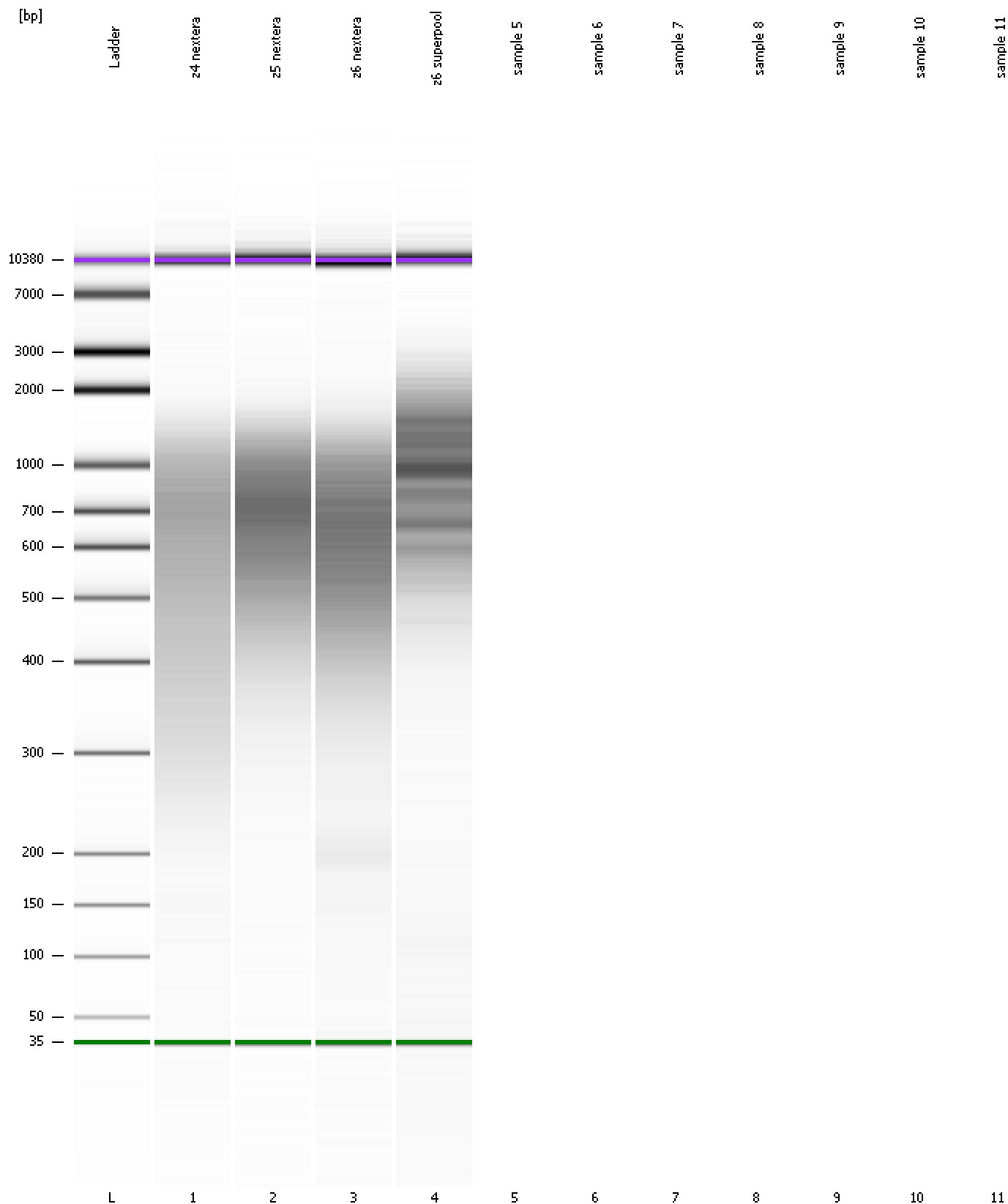
Region table for sample 4 : z6 superpool

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
298	6,790	1,092	1,037.6	1,897.7	992.33	92	59.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-06\2017-10-06_003.xad

Created: 10/6/2017 2:29:15 PM
Modified: 10/6/2017 2:59:28 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-06\2017-10-06_003.xad

Created: 10/6/2017 2:29:15 PM
Modified: 10/6/2017 2:59:28 PM

Invalid Samples

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.