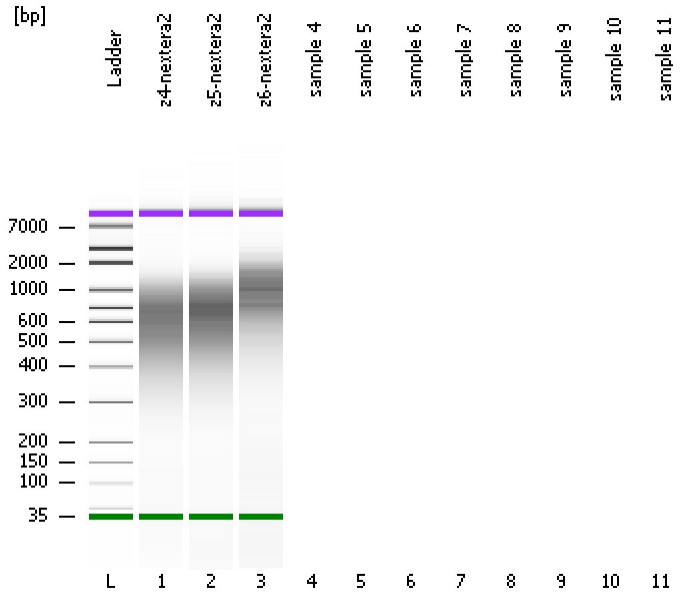
Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-12\2017-10-12_004.xad

Created: 10/12/2017 3:43:31 PM
Modified: 10/12/2017 4:05:57 PM

Electrophoresis File Run Summary



Instrument Information:

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

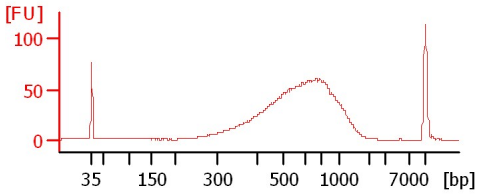
Assay Information:

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

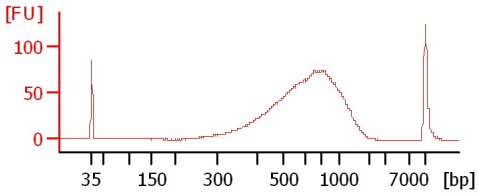
Chip Information:

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

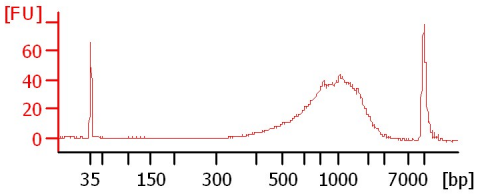
z4-nextera2



z5-nextera2



z6-nextera2



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-12\2017-10-12_004.xad

Created: 10/12/2017 3:43:31 PM
Modified: 10/12/2017 4:05:57 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
z4-nextera2		☐	✔			
z5-nextera2		☐	✔			
z6-nextera2		☐	✔			
sample 4		☐				
sample 5		☐				
sample 6		☐				
sample 7		☐				
sample 8		☐				
sample 9		☐				
sample 10		☐				
sample 11		☐				
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-12\2017-10-12_004.xad

Created: 10/12/2017 3:43:31 PM
Modified: 10/12/2017 4:05:57 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

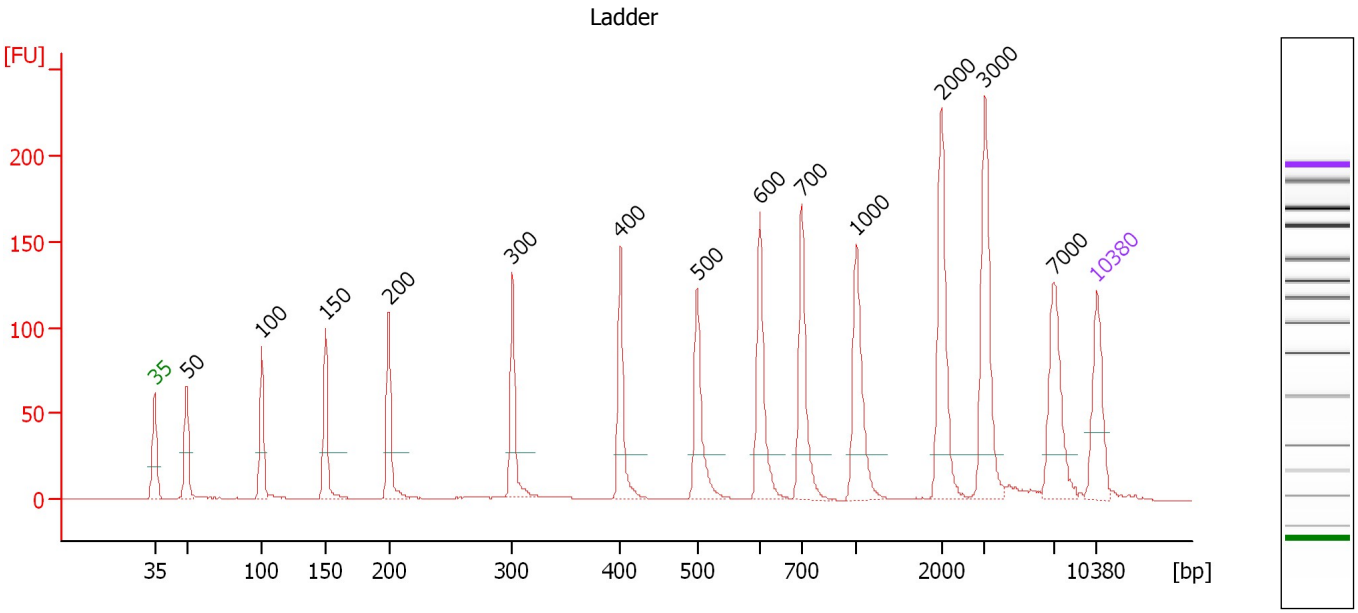
Ladder

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\2017-10-12\2017-10-12_004.xad

Created: 10/12/2017 3:43:31 PM
Modified: 10/12/2017 4:05:57 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

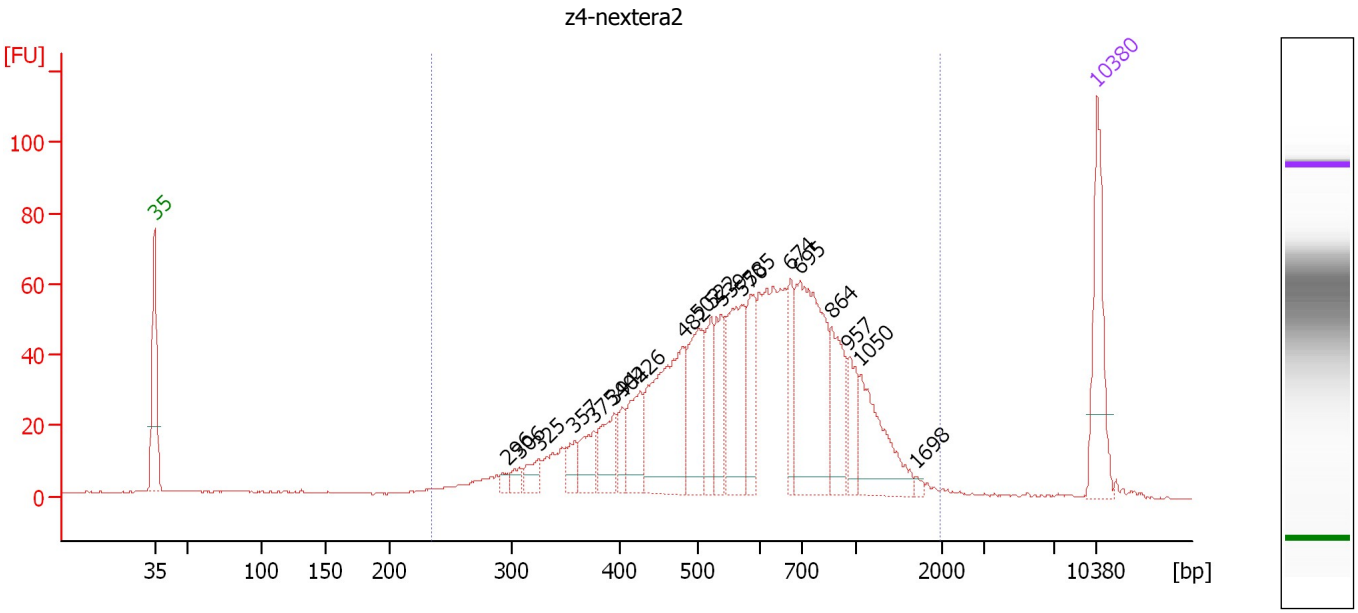
Peak table for Ladder

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	45.38
3		100	150.00	2,272.7	Ladder Peak	50.96
4		150	150.00	1,515.2	Ladder Peak	55.69
5		200	150.00	1,136.4	Ladder Peak	60.41
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	83.31
9		600	150.00	378.8	Ladder Peak	87.94
10		700	150.00	324.7	Ladder Peak	91.05
11		1,000	150.00	227.3	Ladder Peak	95.14
12		2,000	150.00	113.6	Ladder Peak	101.44
13		3,000	150.00	75.8	Ladder Peak	104.68
14		7,000	150.00	32.5	Ladder Peak	109.76
15		10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-12\2017-10-12_004.xad

Created: 10/12/2017 3:43:31 PM
Modified: 10/12/2017 4:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : z4-nextera2

Number of peaks found:	20	Corr. Area 1:	1,292.2
Noise:	0.2		

Peak table for sample 1 : z4-nextera2

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	296	7.23	37.0		69.20
3	306	11.47	56.8		70.07
4	325	19.82	92.5		71.56
5	357	21.25	90.1		74.19
6	375	37.74	152.4		75.60
7	394	48.20	185.2		77.14
8	402	24.45	92.1		77.73
9	426	56.50	200.9		79.09
10	482	169.59	533.4		82.26
11	502	88.66	267.7		83.40
12	522	47.46	137.6		84.35
13	539	54.83	154.1		85.12
14	570	106.47	282.8		86.57
15	585	53.57	138.7		87.25
16	674	45.81	103.0		90.24
17	695	188.00	410.1		90.88
18	864	66.13	116.0		93.28
19	957	34.10	54.0		94.55
20	1,050	81.64	117.8		95.45
21	1,698	3.52	3.1		99.53
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-12\2017-10-12_004.xad

Created: 10/12/2017 3:43:31 PM
Modified: 10/12/2017 4:05:57 PM

Electropherogram Summary Continued ...

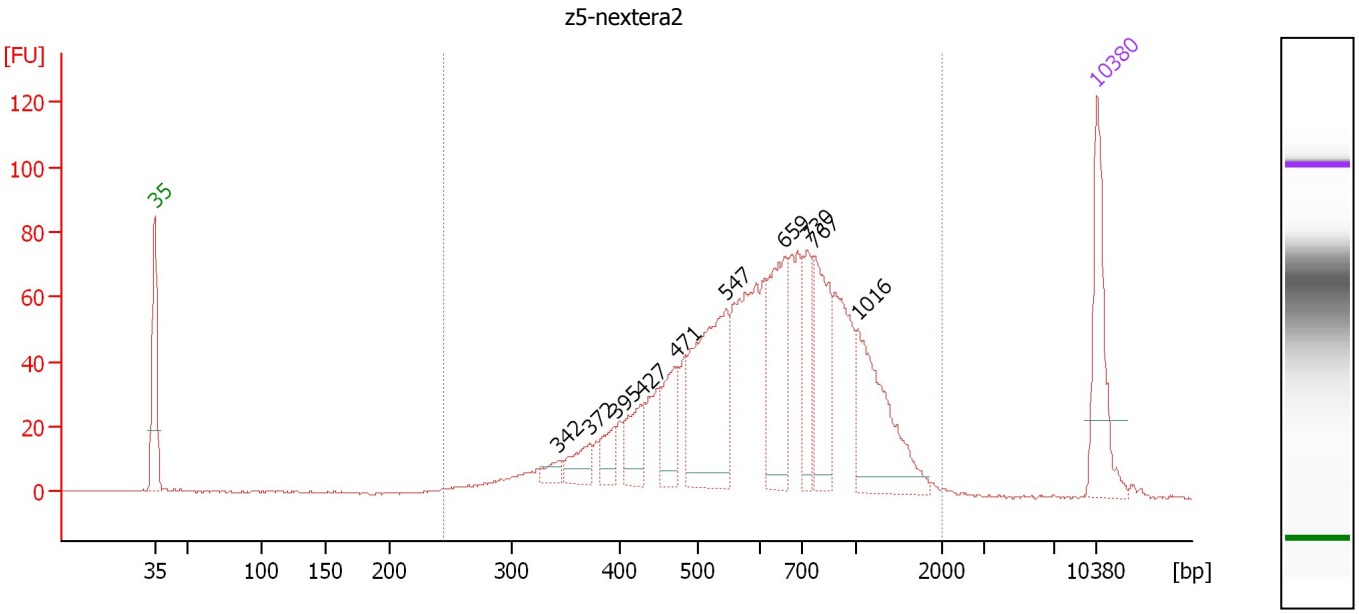
... Region table for sample 1 : z4-nextera2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/µl]	% of Total	Size distribution in CV [%]
235	1,984	641	1,292.2	4,336.1	1,512.14	92	42.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-12\2017-10-12_004.xad

Created: 10/12/2017 3:43:31 PM
Modified: 10/12/2017 4:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : z5-nextera2

Number of peaks found:	10	Corr. Area 1:	1,421.9
Noise:	0.3		

Peak table for sample 2 : z5-nextera2

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	342	13.27	58.8		72.97
3	372	28.83	117.3		75.38
4	395	25.92	99.4		77.20
5	427	44.79	159.1		79.12
6	471	58.33	187.5		81.67
7	547	174.04	482.0		85.49
8	659	114.72	263.8		89.77
9	730	51.75	107.4		91.46
10	767	98.47	194.5		91.96
11	1,016	121.81	181.7		95.24
12	10,380	75.00	10.9	Upper Marker	113.00

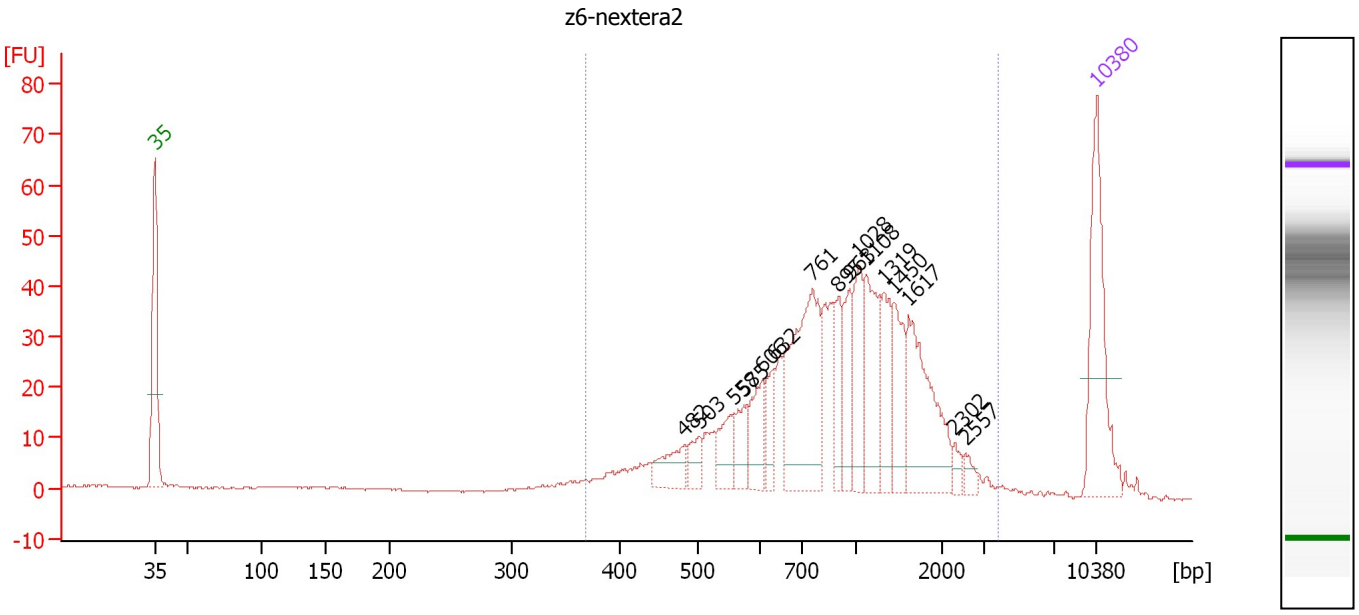
Region table for sample 2 : z5-nextera2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Color [pg/µl]	% of Total	Size distribution in CV [%]
244	1,997	690	1,421.9	3,515.1	1,320.48	97	41.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-12\2017-10-12_004.xad

Created: 10/12/2017 3:43:31 PM
Modified: 10/12/2017 4:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : z6-nextera2

Number of peaks found:	16	Corr. Area 1:	667.0
Noise:	0.2		

Peak table for sample 3 : z6-nextera2

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	482	26.13	82.1		82.31
3	503	15.17	45.7		83.45
4	558	27.55	74.7		86.02
5	575	21.81	57.4		86.80
6	606	33.15	82.9		88.12
7	632	21.90	52.5		88.95
8	761	130.30	259.4		91.88
9	895	32.07	54.3		93.71
10	963	31.92	50.2		94.63
11	1,028	40.94	60.3		95.32
12	1,108	55.43	75.8		95.82
13	1,319	38.86	44.6		97.15
14	1,450	34.46	36.0		97.97
15	1,617	81.73	76.6		99.03
16	2,302	6.56	4.3		102.42
17	2,557	5.64	3.3		103.24
18	10,380	75.00	10.9	Upper Marker	113.00

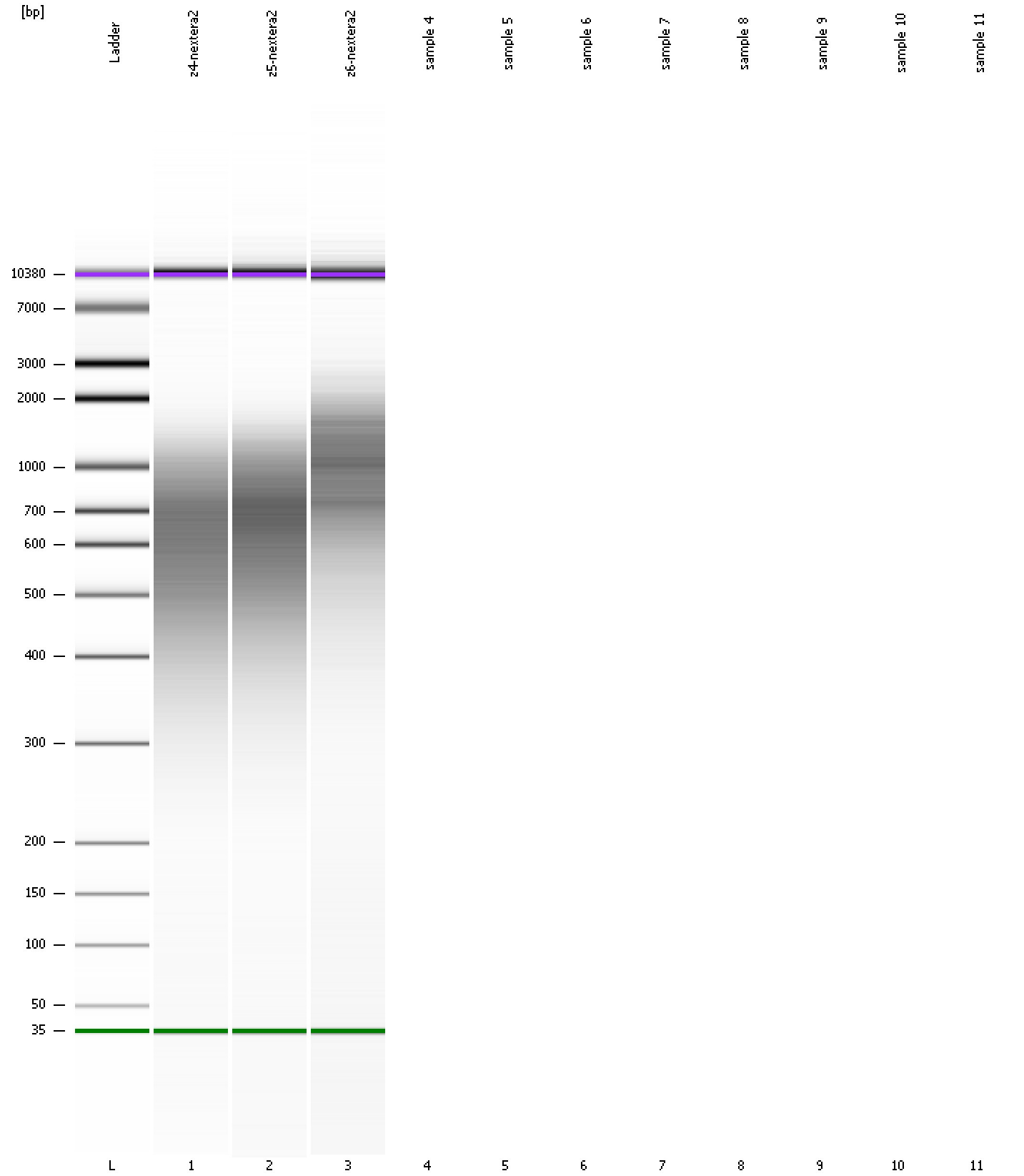
Region table for sample 3 : z6-nextera2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Color [pg/µl]	% of Total	Size distribution in CV [%]
368	3,773	1,042	667.0	1,449.9	760.98	93	50.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-12\2017-10-12_004.xad

Created: 10/12/2017 3:43:31 PM
Modified: 10/12/2017 4:05:57 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-12\2017-10-12_004.xad

Created: 10/12/2017 3:43:31 PM
Modified: 10/12/2017 4:05:57 PM

Invalid Samples

Sample 4 has not been run, no results available.

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.