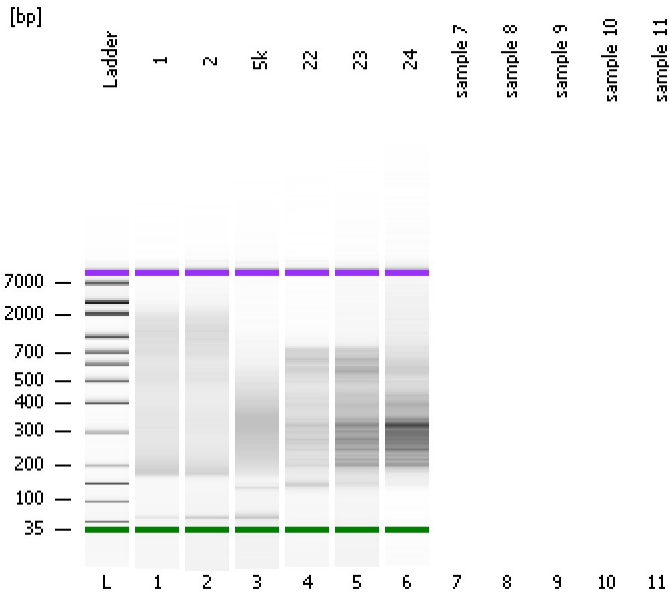


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
Modified: 3/9/2018 2:32:54 PM

Electrophoresis File Run Summary



Instrument Information:

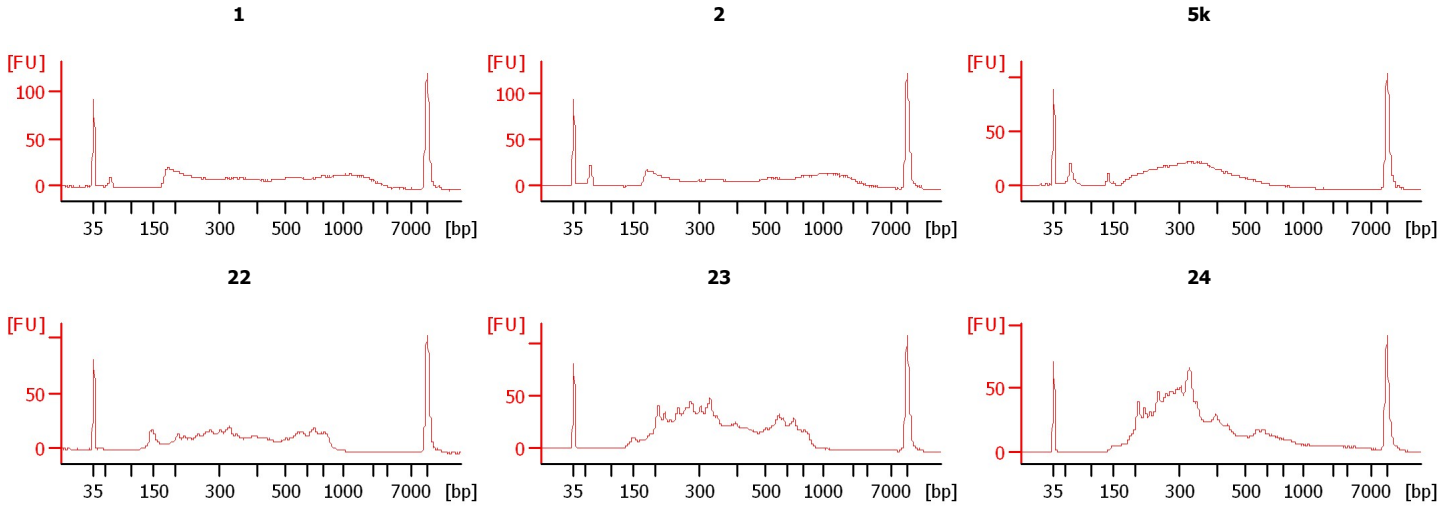
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
 Modified: 3/9/2018 2:32:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1		<input type="checkbox"/>	✓			
2		<input type="checkbox"/>	✓			
5k		<input type="checkbox"/>	✓			
22		<input type="checkbox"/>	✓			
23		<input type="checkbox"/>	✓			
24		<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 #

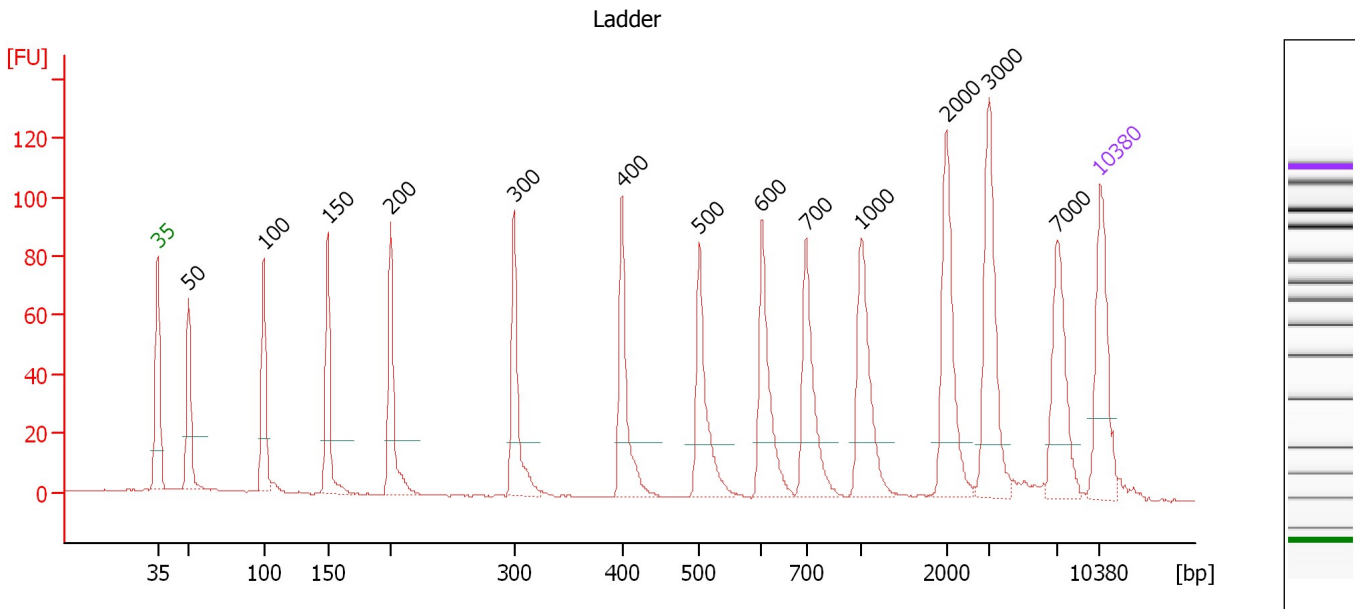
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
 Modified: 3/9/2018 2:32:54 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

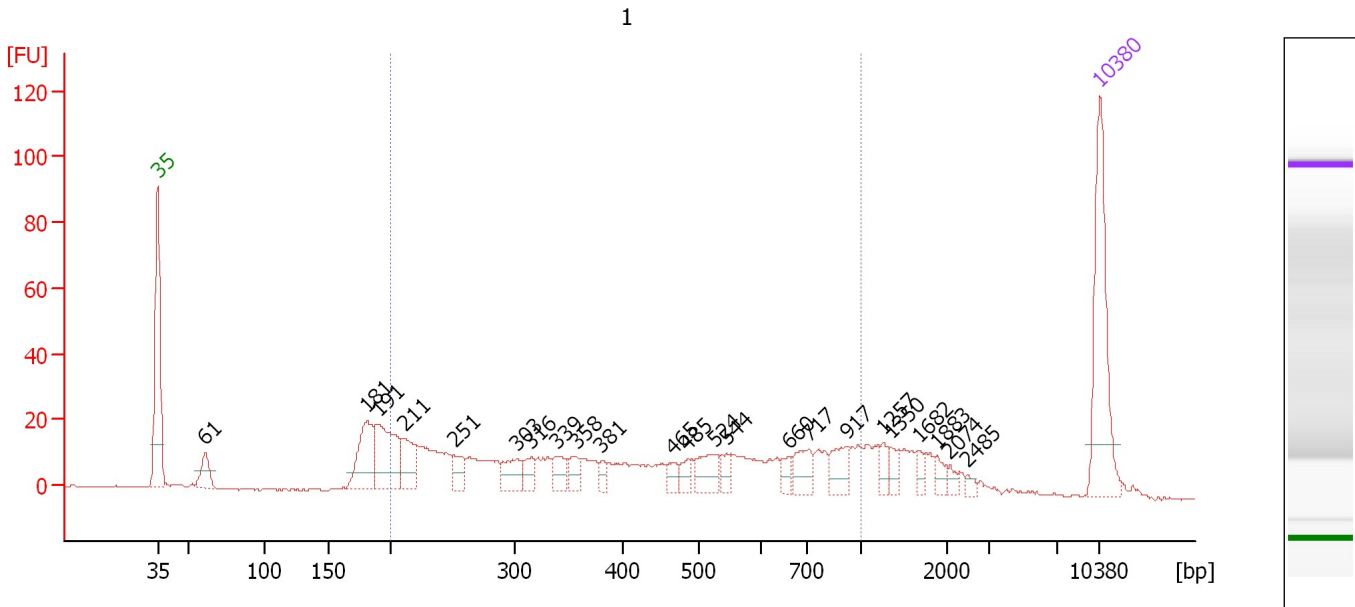
Peak table for Ladder

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	45.31
3	100	150.00	2,272.7	Ladder Peak	50.91
4	150	150.00	1,515.2	Ladder Peak	55.63
5	200	150.00	1,136.4	Ladder Peak	60.31
6	300	150.00	757.6	Ladder Peak	69.47
7	400	150.00	568.2	Ladder Peak	77.52
8	500	150.00	454.5	Ladder Peak	83.25
9	600	150.00	378.8	Ladder Peak	87.88
10	700	150.00	324.7	Ladder Peak	91.16
11	1,000	150.00	227.3	Ladder Peak	95.31
12	2,000	150.00	113.6	Ladder Peak	101.57
13	3,000	150.00	75.8	Ladder Peak	104.76
14	7,000	150.00	32.5	Ladder Peak	109.87
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
 Modified: 3/9/2018 2:32:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1

Number of peaks found: 23 Corr. Area 1: 501.9
 Noise: 0.3

Peak table for sample 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	61	23.60	586.8		46.54
3	181	60.33	504.4		58.55
4	191	72.81	579.0		59.42
5	211	34.05	244.5		61.31
6	251	16.17	97.5		64.99
7	303	23.87	119.2		69.74
8	316	12.96	62.1		70.76
9	339	15.94	71.2		72.65
10	358	14.48	61.2		74.15
11	381	7.66	30.5		75.99
12	465	8.74	28.5		81.22
13	485	9.87	30.8		82.38
14	524	22.94	66.3		84.37
15	544	9.41	26.2		85.29
16	660	8.12	18.6		89.84
17	717	20.60	43.5		91.39
18	917	17.86	29.5		94.16
19	1,257	7.78	9.4		96.92
20	1,350	8.19	9.2		97.50
21	1,682	6.80	6.1		99.58
22	1,883	7.00	5.6		100.84
23	2,074	4.58	3.3		101.81
24	2,485	3.25	2.0		103.12
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
Modified: 3/9/2018 2:32:54 PM

Electropherogram Summary Continued ...

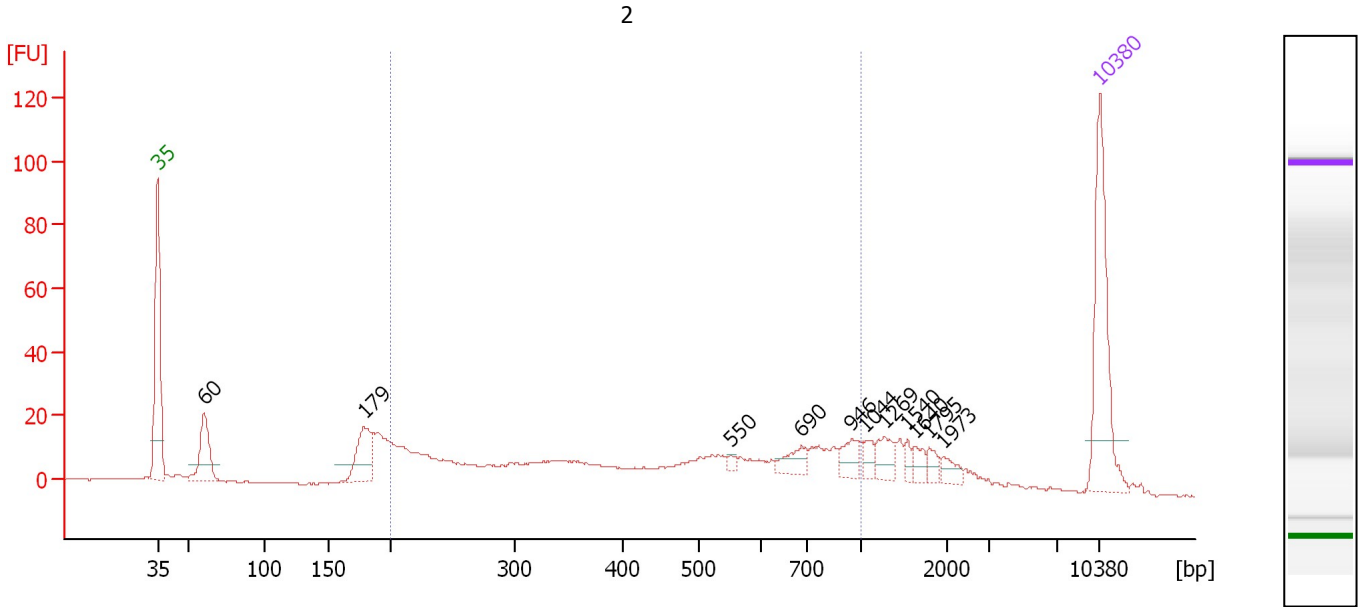
... Region table for sample 1 : 1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	465	501.9	509.83	2,221.1	 69	45.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
 Modified: 3/9/2018 2:32:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2

Number of peaks found: 11 Corr. Area 1: 396.7
 Noise: 0.2

Peak table for sample 2 : 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	60	51.94	1,309.4		46.44
3	179	44.27	375.1		58.33
4	550	3.52	9.7		85.59
5	690	15.65	34.4		90.83
6	946	14.31	22.9		94.57
7	1,044	8.94	13.0		95.58
8	1,269	14.75	17.6		96.99
9	1,540	5.49	5.4		98.69
10	1,640	7.71	7.1		99.32
11	1,795	7.09	6.0		100.29
12	1,973	7.18	5.5		101.41
13	10,380	75.00	10.9	Upper Marker	113.00

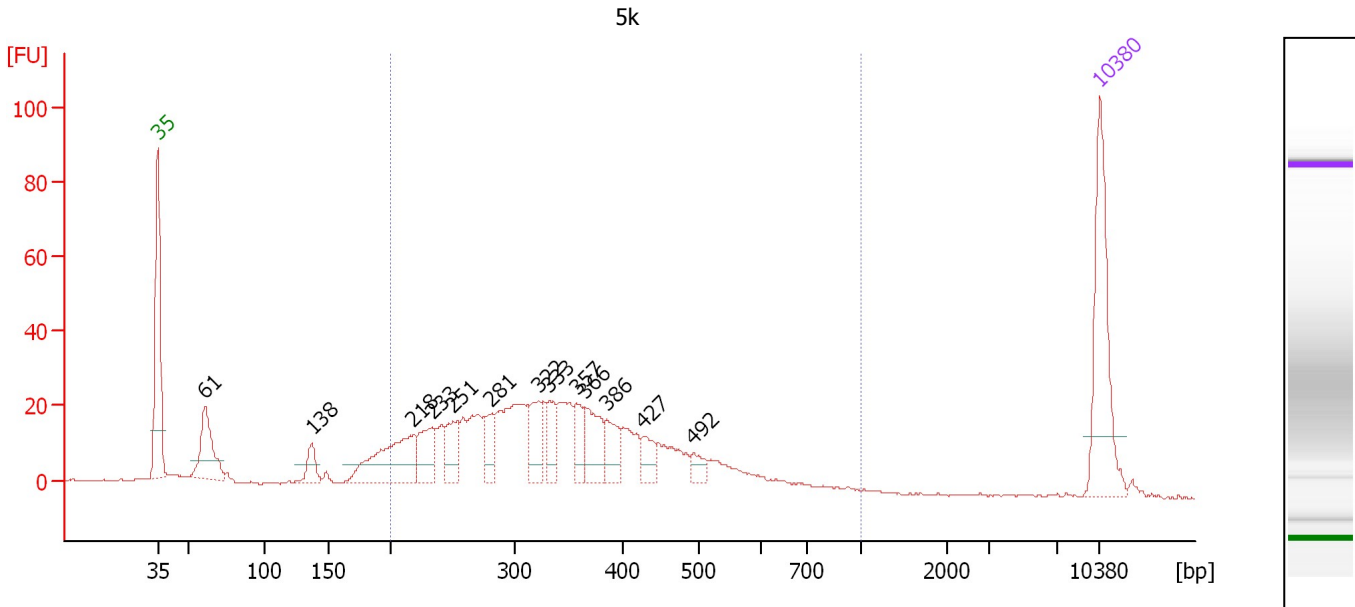
Region table for sample 2 : 2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	495	396.7	380.45	1,579.4	62	44.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
 Modified: 3/9/2018 2:32:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 5k

Number of peaks found: 13 Corr. Area 1: 609.7
 Noise: 0.3

Peak table for sample 3 : 5k

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	61	65.28	1,629.6		46.51
3	138	20.73	228.1		54.47
4	218	86.05	597.2		61.98
5	233	37.46	243.1		63.37
6	251	30.27	183.0		64.95
7	281	22.45	121.1		67.72
8	322	35.86	168.5		71.28
9	333	26.68	121.4		72.12
10	357	22.84	96.8		74.09
11	366	38.43	159.1		74.79
12	386	25.09	98.5		76.37
13	427	16.90	59.9		79.09
14	492	11.56	35.6		82.80
15	10,380	75.00	10.9	Upper Marker	113.00

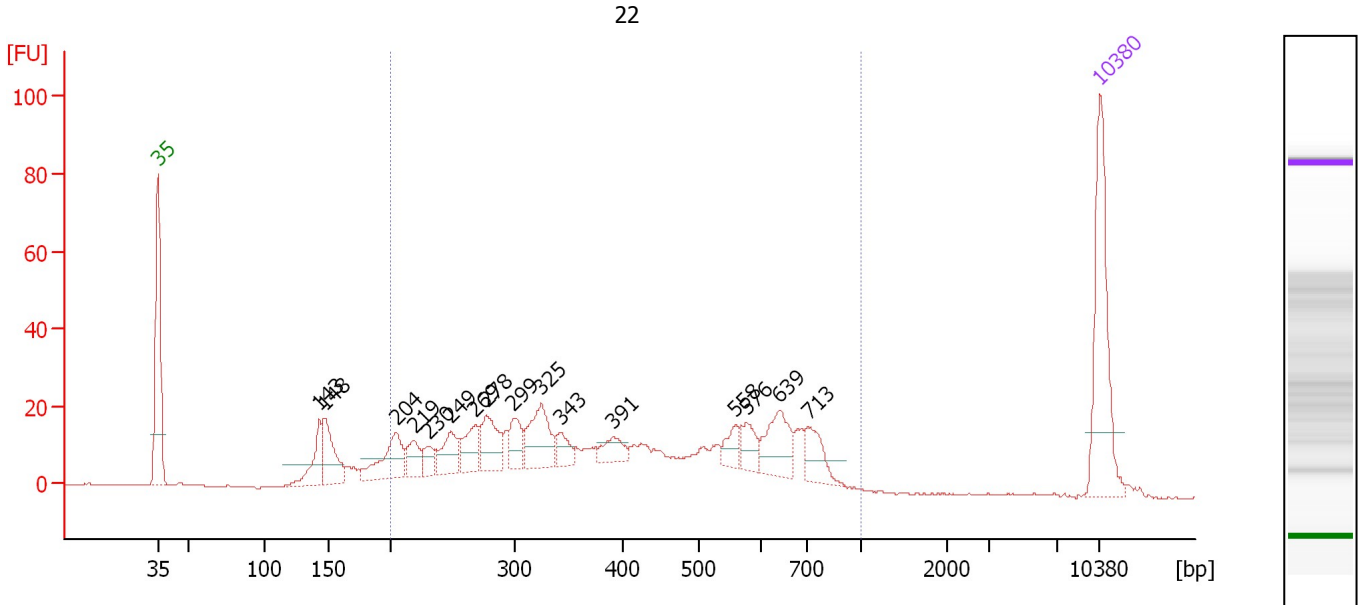
Region table for sample 3 : 5k

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	355	609.7	680.66	3,253.1	83	31.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
 Modified: 3/9/2018 2:32:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 22

Number of peaks found: 16 Corr. Area 1: 586.4
 Noise: 0.3

Peak table for sample 4 : 22

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	143	34.40	363.8		55.00
3	148	45.92	471.5		55.40
4	204	48.07	356.3		60.72
5	219	22.11	153.1		62.03
6	230	14.70	96.6		63.09
7	249	27.73	168.6		64.81
8	269	27.97	157.8		66.59
9	278	37.07	202.1		67.45
10	299	24.53	124.1		69.42
11	325	45.79	213.4		71.50
12	343	14.39	63.5		72.96
13	391	16.54	64.0		76.81
14	558	12.66	34.4		85.92
15	576	16.39	43.1		86.78
16	639	36.77	87.2		89.16
17	713	24.50	52.1		91.34
18	10,380	75.00	10.9	Upper Marker	113.00

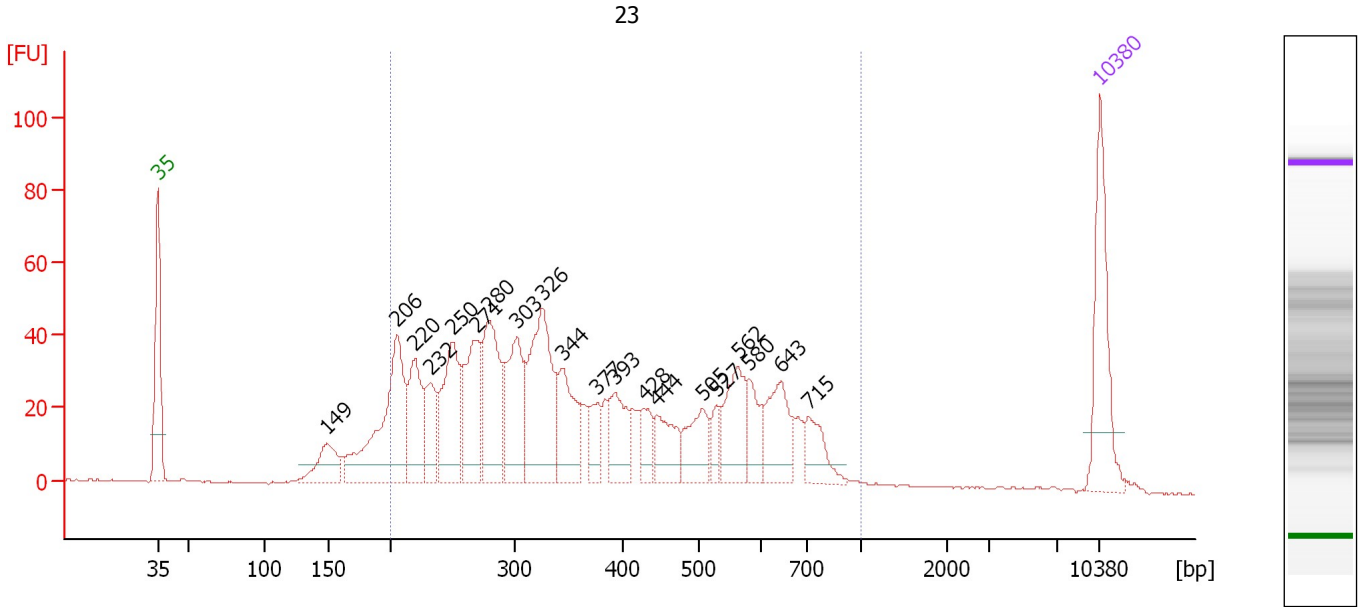
Region table for sample 4 : 22

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	429	586.4	681.15	2,969.9	85	38.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
 Modified: 3/9/2018 2:32:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 23

Number of peaks found: 20 Corr. Area 1: 1,214.0
 Noise: 0.3

Peak table for sample 5 : 23


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	149	50.01	507.7		55.56
3	206	186.00	1,370.3		60.83
4	220	79.73	549.4		62.13
5	232	54.07	352.5		63.28
6	250	109.52	663.6		64.89
7	271	95.86	536.9		66.77
8	280	117.56	637.0		67.60
9	303	94.40	472.5		69.69
10	326	148.68	691.0		71.56
11	344	69.70	306.8		73.02
12	377	26.27	105.5		75.68
13	393	49.66	191.3		76.98
14	428	26.75	94.7		79.12
15	444	43.89	149.7		80.06
16	505	46.48	139.4		83.50
17	527	16.99	48.9		84.49
18	562	62.69	169.1		86.10
19	580	30.94	80.9		86.94
20	643	57.81	136.3		89.28
21	715	34.25	72.6		91.37
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
Modified: 3/9/2018 2:32:54 PM

Electropherogram Summary Continued ...

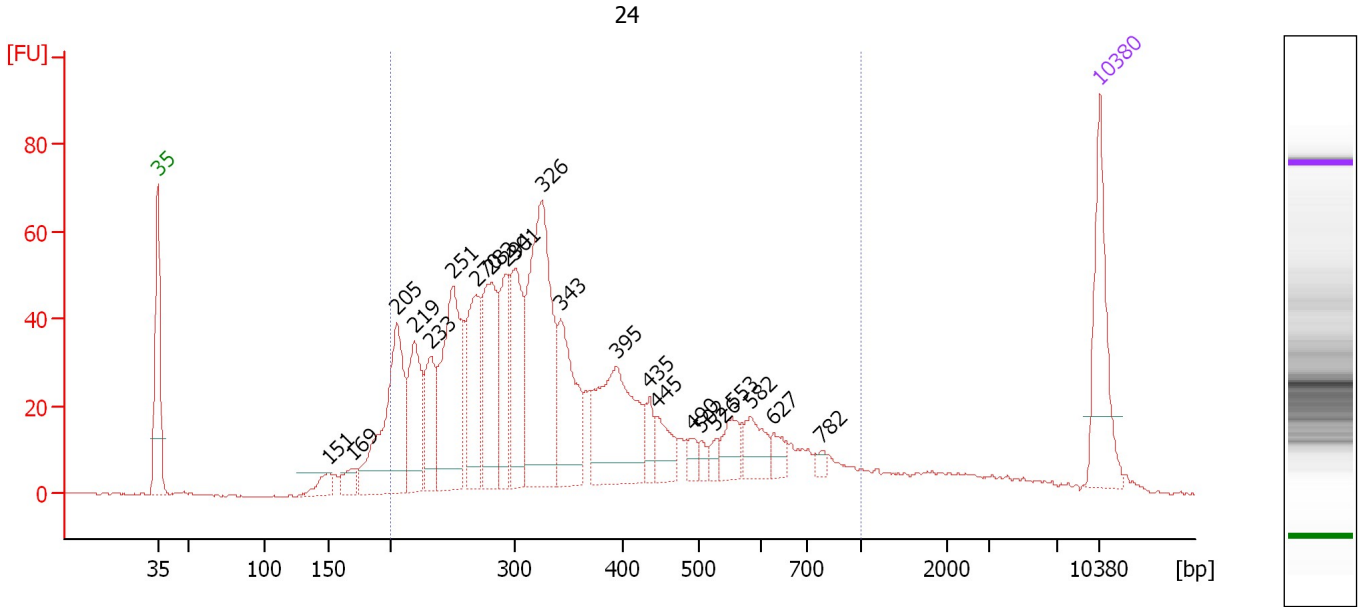
... Region table for sample 5 : 23

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	395	1,214.0	1,408.41	6,541.9	 90	39.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
 Modified: 3/9/2018 2:32:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 24

Number of peaks found: 22 Corr. Area 1: 1,246.9
 Noise: 0.3

Peak table for sample 6 : 24


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	151	21.11	212.0		55.71
3	169	20.20	180.9		57.43
4	205	183.11	1,354.1		60.75
5	219	95.87	663.4		62.04
6	233	66.10	429.9		63.33
7	251	174.18	1,053.3		64.94
8	270	108.80	610.8		66.71
9	282	119.35	642.2		67.78
10	294	76.18	392.7		68.91
11	301	107.54	541.2		69.55
12	326	249.11	1,158.8		71.54
13	343	103.94	459.1		72.93
14	395	151.81	582.3		77.11
15	435	19.79	68.9		79.53
16	445	32.51	110.6		80.12
17	490	13.58	42.0		82.69
18	502	9.31	28.1		83.34
19	526	9.09	26.2		84.46
20	553	29.47	80.8		85.70
21	582	33.71	87.8		87.04
22	627	15.20	36.8		88.75
23	782	6.59	12.8		92.30
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
Modified: 3/9/2018 2:32:54 PM

Electropherogram Summary Continued ...

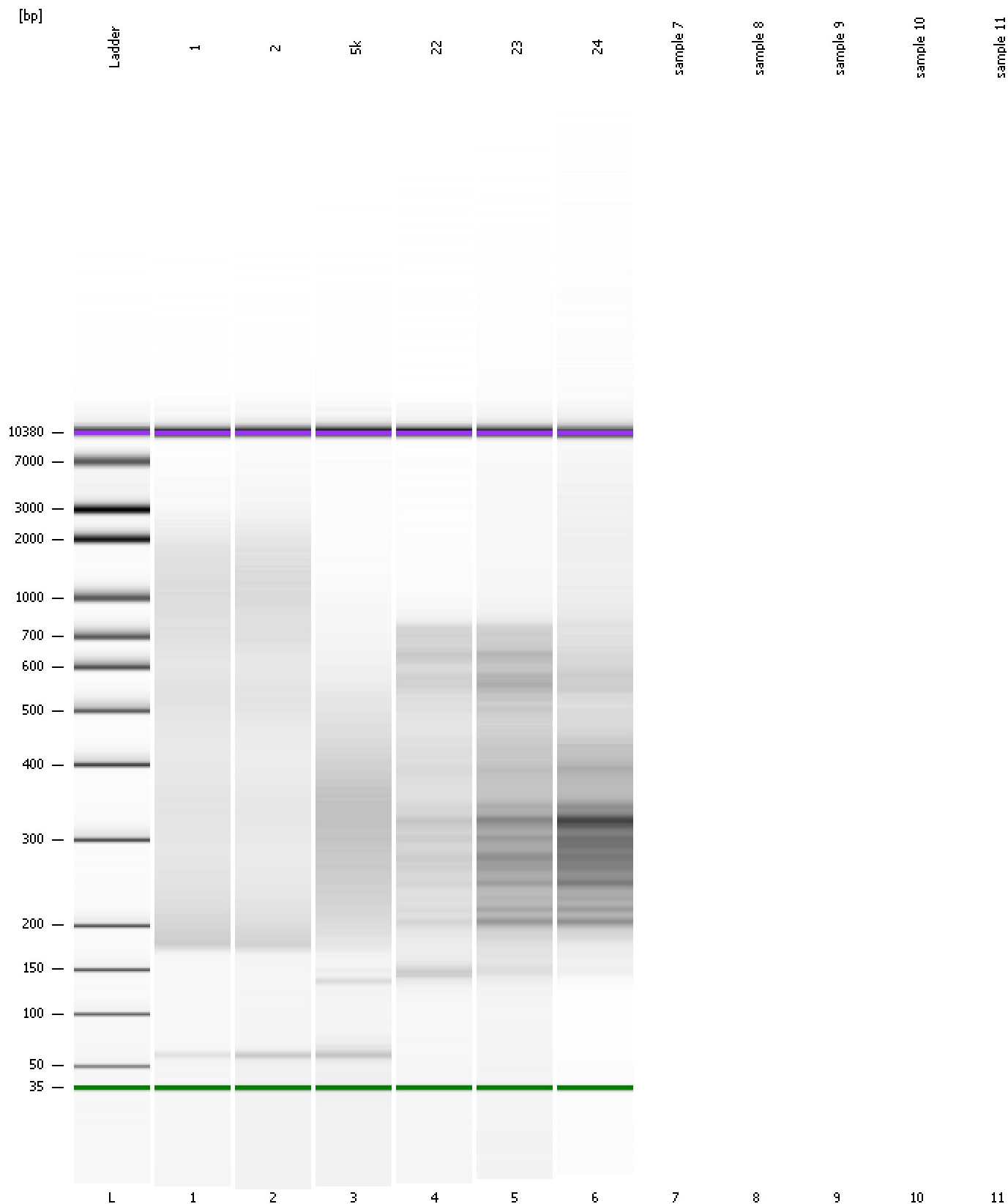
... Region table for sample 6 : 24

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	366	1,246.9	1,778.46	8,612.6	 89	39.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
Modified: 3/9/2018 2:32:54 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-09\2018-03-09_002.xad

Created: 3/9/2018 2:05:51 PM
Modified: 3/9/2018 2:32:54 PM

Invalid Samples

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.