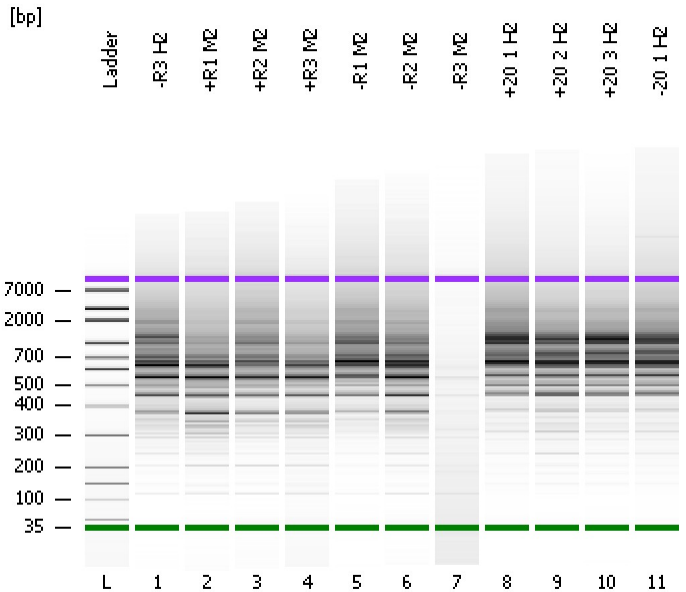


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
Modified: 5/1/2018 3:56:11 PM

Electrophoresis File Run Summary



Instrument Information:

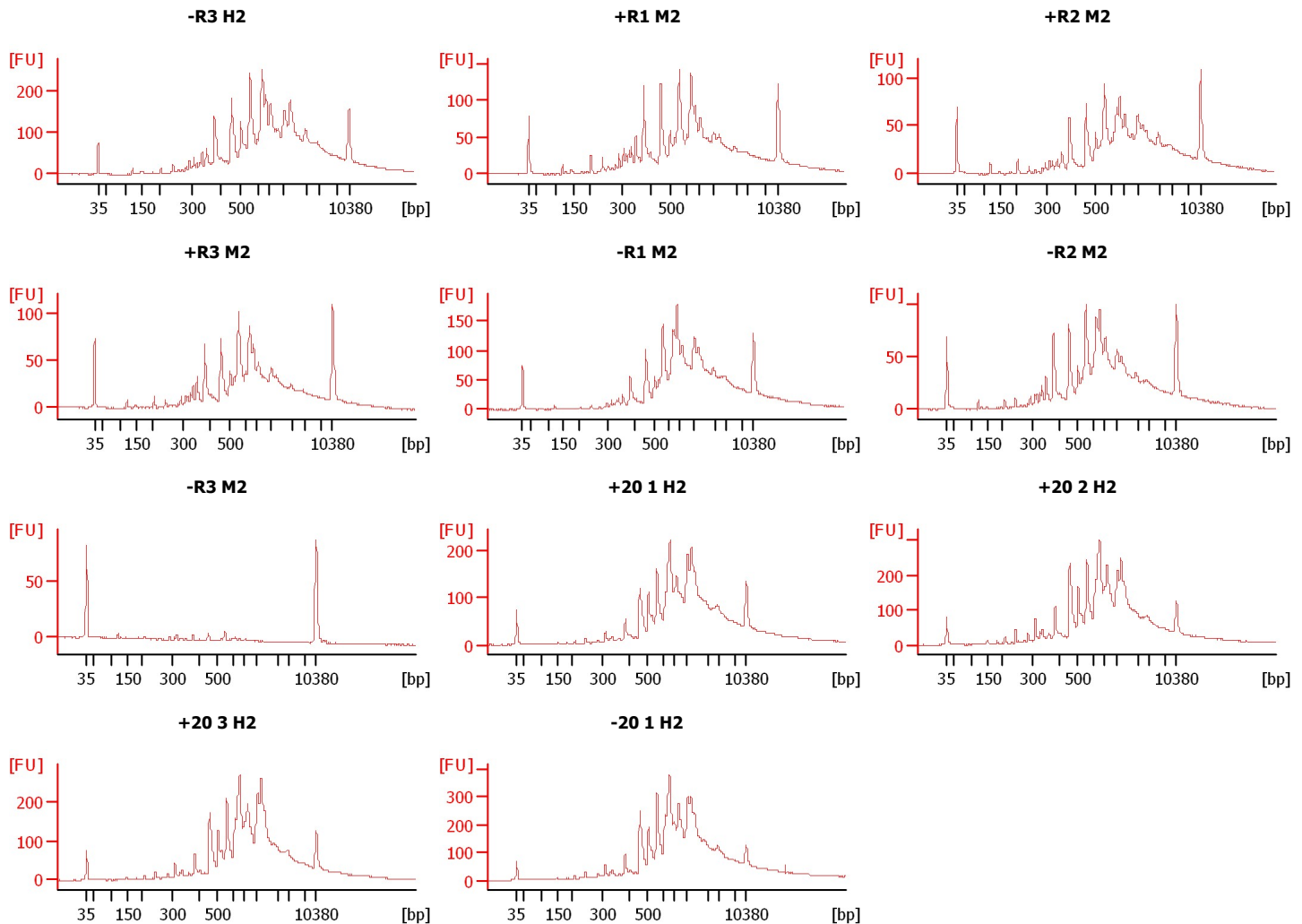
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
Modified: 5/1/2018 3:56:11 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
-R3 H2		<input type="checkbox"/>	✓			
+R1 M2		<input type="checkbox"/>	✓			
+R2 M2		<input type="checkbox"/>	✓			
+R3 M2		<input type="checkbox"/>	✓			
-R1 M2		<input type="checkbox"/>	✓			
-R2 M2		<input type="checkbox"/>	✓			
-R3 M2		<input type="checkbox"/>	✓			
+20 1 H2		<input type="checkbox"/>	✓			
+20 2 H2		<input type="checkbox"/>	✓			
+20 3 H2		<input type="checkbox"/>	✓			
-20 1 H2		<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\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
Modified: 5/1/2018 3:56:11 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

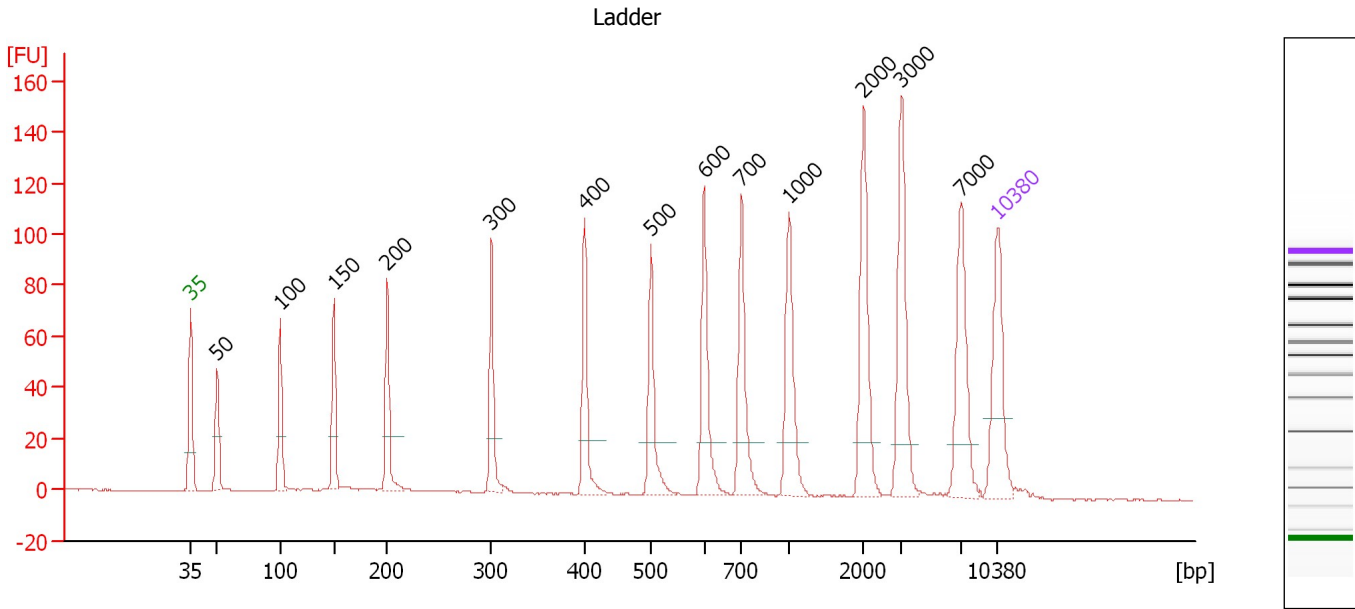
Ladder

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\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

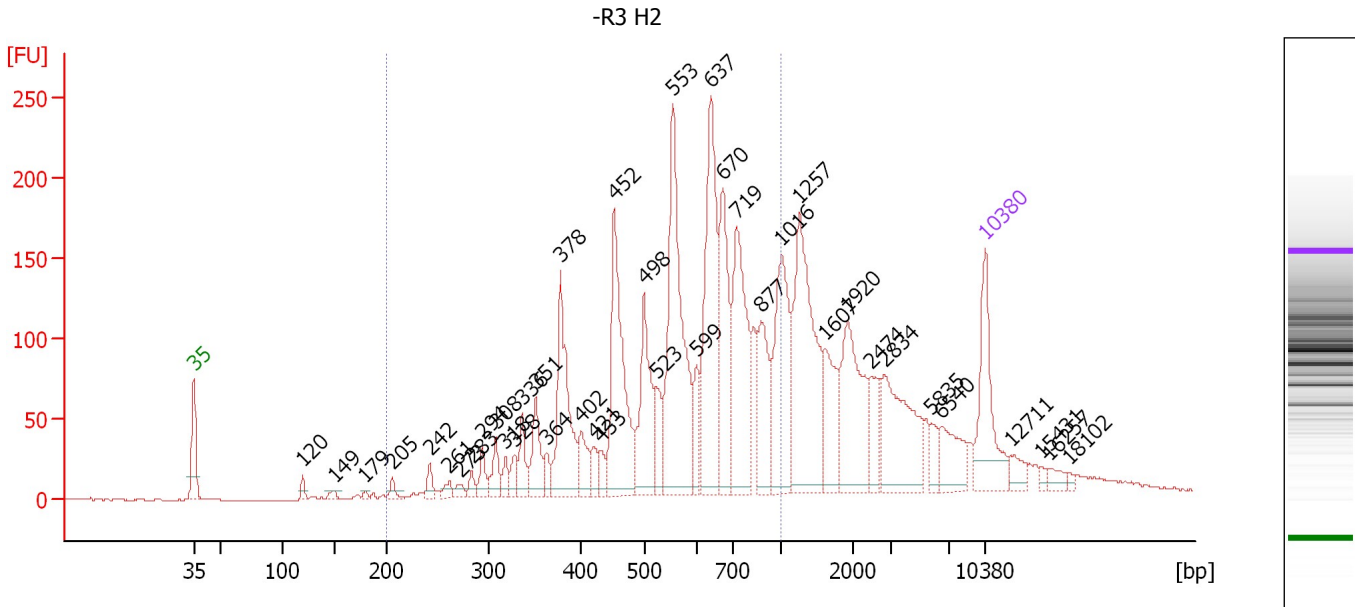
Peak table for Ladder

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	45.31
3	100	150.00	2,272.7	Ladder Peak	50.77
4	150	150.00	1,515.2	Ladder Peak	55.44
5	200	150.00	1,136.4	Ladder Peak	60.06
6	300	150.00	757.6	Ladder Peak	69.08
7	400	150.00	568.2	Ladder Peak	77.17
8	500	150.00	454.5	Ladder Peak	82.90
9	600	150.00	378.8	Ladder Peak	87.52
10	700	150.00	324.7	Ladder Peak	90.76
11	1,000	150.00	227.3	Ladder Peak	94.88
12	2,000	150.00	113.6	Ladder Peak	101.35
13	3,000	150.00	75.8	Ladder Peak	104.63
14	7,000	150.00	32.5	Ladder Peak	109.72
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : -R3 H2

Number of peaks found: 40 Corr. Area 1: 2,593.2
 Noise: 0.3

Peak table for sample 1 : -R3 H2


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	120	9.80	123.8		52.62
3	149	6.79	69.0		55.36
4	179	3.40	28.7		58.14
5	205	9.59	70.7		60.55
6	242	13.95	87.3		63.85
7	261	9.28	53.8		65.59
8	273	8.57	47.6		66.63
9	283	10.41	55.7		67.58
10	294	19.27	99.4		68.52
11	308	24.90	122.6		69.70
12	318	14.71	70.0		70.55
13	328	16.42	75.8		71.35
14	336	29.37	132.3		72.01
15	351	46.58	200.9		73.24
16	364	14.94	62.3		74.23
17	378	131.70	527.6		75.41
18	402	32.56	122.7		77.29
19	421	16.92	60.9		78.38
20	433	14.49	50.7		79.04
21	452	175.38	587.4		80.17
22	498	109.15	331.8		82.81
23	523	32.36	93.8		83.94
24	553	241.69	662.0		85.36
25	599	31.57	79.8		87.48

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : -R3 H2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	637	197.14	469.2		88.71
27	670	122.54	277.1		89.79
28	719	154.64	326.0		91.02
29	877	74.03	127.9		93.19
30	1,016	125.60	187.2		94.98
31	1,257	192.85	232.5		96.54
32	1,607	56.45	53.2		98.80
33	1,920	110.12	86.9		100.83
34	2,474	30.22	18.5		102.91
35	2,834	99.87	53.4		104.08
36	5,835	14.37	3.7		108.24
37	6,540	41.28	9.6		109.13
38	 10,380	75.00	10.9	Upper Marker	113.00
39	12,711	0.00	0.0		115.26
40	15,431	0.00	0.0		117.91
41	16,257	0.00	0.0		118.71
42	18,102	0.00	0.0		120.50

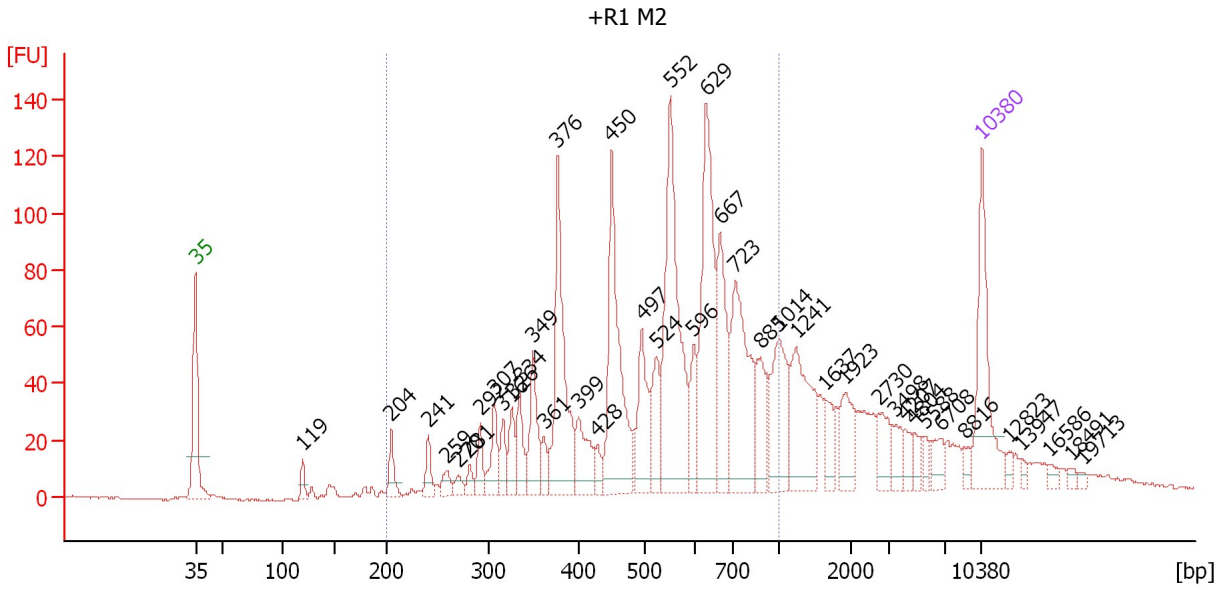
Region table for sample 1 : -R3 H2

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	589	1,617.45	2,593.2	4,779.3	 65	29.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : +R1 M2

Number of peaks found: 41 Corr. Area 1: 1,539.8
 Noise: 0.3

Peak table for sample 2 : +R1 M2

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	119	13.70	174.5		52.54
3	204	22.76	169.1		60.42
4	241	18.30	115.2		63.74
5	259	12.53	73.2		65.40
6	270	9.81	55.0		66.40
7	281	10.13	54.6		67.39
8	292	21.01	109.1		68.34
9	307	31.43	155.2		69.62
10	316	21.39	102.5		70.38
11	326	26.56	123.6		71.14
12	334	31.73	143.8		71.85
13	349	52.37	227.4		73.04
14	361	14.89	62.5		73.99
15	376	143.08	576.6		75.22
16	399	43.33	164.4		77.12
17	428	12.12	42.9		78.78
18	450	155.10	522.6		80.02
19	497	59.49	181.4		82.72
20	524	44.13	127.6		84.00
21	552	198.45	545.1		85.28
22	596	34.94	88.9		87.33
23	629	161.46	388.9		88.46
24	667	84.08	191.0		89.70
25	723	129.20	270.8		91.07

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : +R1 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	885	44.75	76.6		93.31
27	1,014	70.94	106.0		94.97
28	1,241	82.31	100.5		96.44
29	1,637	20.48	19.0		99.00
30	1,923	32.21	25.4		100.85
31	2,730	23.87	13.2		103.75
32	3,498	14.84	6.4		105.26
33	4,207	10.39	3.7		106.17
34	4,804	8.54	2.7		106.93
35	5,588	7.41	2.0		107.92
36	6,708	13.50	3.0		109.35
37	8,816	6.92	1.2		111.48
38	10,380	75.00	10.9	Upper Marker	113.00
39	12,823	0.00	0.0		115.37
40	13,947	0.00	0.0		116.46
41	16,586	0.00	0.0		119.03
42	18,491	0.00	0.0		120.88
43	19,713	0.00	0.0		122.06

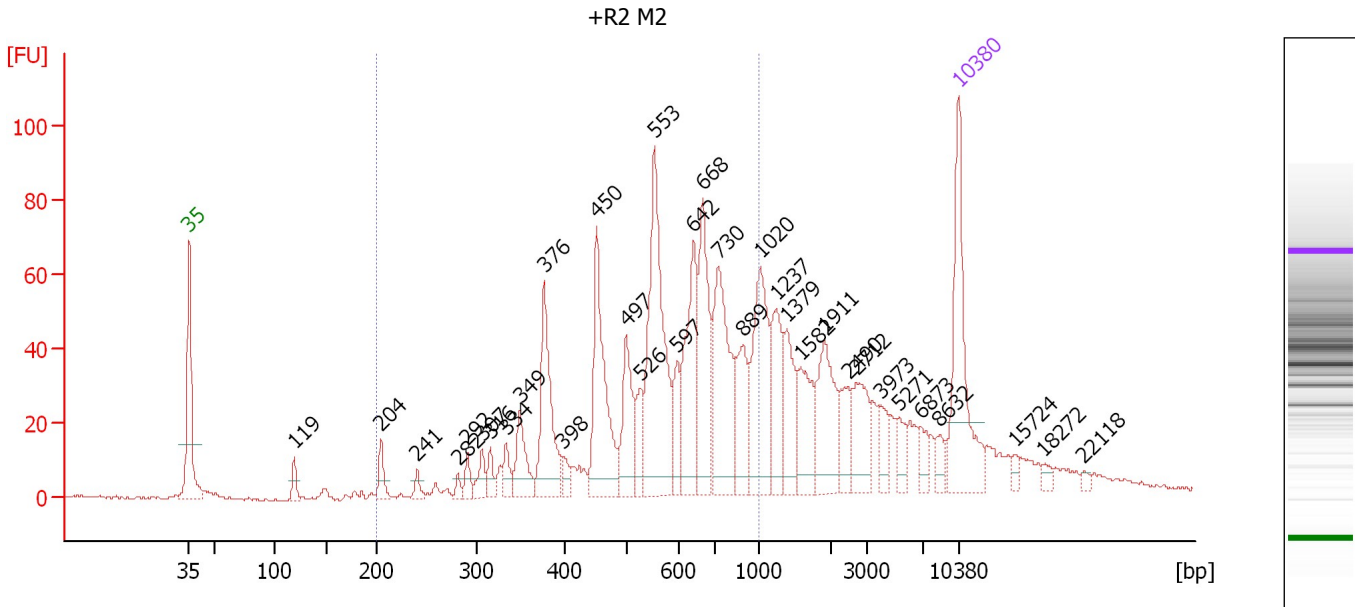
Region table for sample 2 : +R1 M2

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	555	1,399.59	1,539.8	4,469.2	73	31.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : +R2 M2

Number of peaks found: 34 Corr. Area 1: 941.5
 Noise: 0.4

Peak table for sample 3 : +R2 M2

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	119	13.02	165.6		52.56
3	204	16.23	120.3		60.46
4	241	7.92	49.9		63.71
5	282	5.65	30.3		67.45
6	292	10.67	55.4		68.32
7	307	13.98	68.9		69.68
8	316	11.31	54.2		70.41
9	334	13.93	63.2		71.81
10	349	33.37	144.7		73.08
11	376	79.14	318.6		75.26
12	398	8.82	33.6		77.01
13	450	100.17	336.9		80.06
14	497	49.58	151.1		82.73
15	526	23.88	68.8		84.09
16	553	148.34	406.5		85.35
17	597	24.56	62.3		87.39
18	642	82.29	194.1		88.89
19	668	80.90	183.6		89.72
20	730	99.58	206.7		91.17
21	889	43.04	73.3		93.35
22	1,020	79.81	118.6		95.00
23	1,237	45.93	56.3		96.41
24	1,379	35.93	39.5		97.33
25	1,582	37.45	35.9		98.64

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : +R2 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,911	51.39	40.7		100.78
27	2,490	22.60	13.8		102.96
28	2,712	32.93	18.4		103.69
29	3,973	14.05	5.4		105.87
30	5,271	12.66	3.6		107.52
31	6,873	9.78	2.2		109.56
32	8,632	7.83	1.4		111.30
33	10,380	75.00	10.9	Upper Marker	113.00
34	15,724	0.00	0.0		118.19
35	18,272	0.00	0.0		120.66
36	22,118	0.00	0.0		124.40

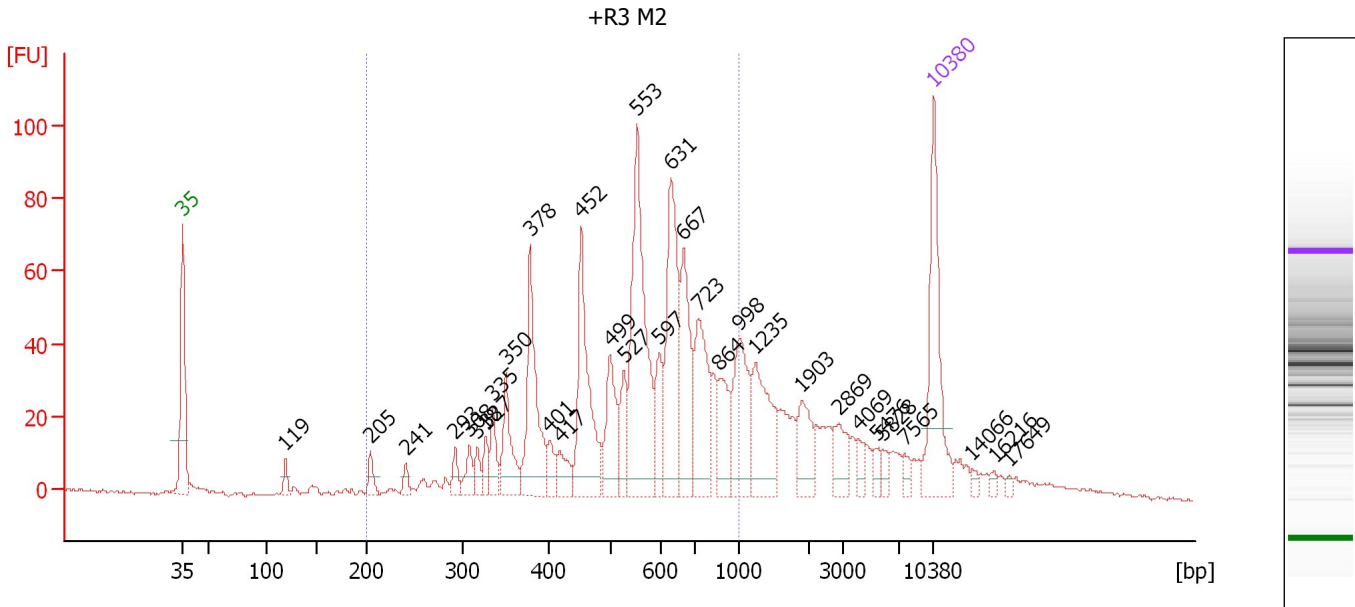
Region table for sample 3 : +R2 M2

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	593	863.16	941.5	2,535.1	63	29.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : +R3 M2

Number of peaks found: 32 Corr. Area 1: 993.8
 Noise: 0.4

Peak table for sample 4 : +R3 M2

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	119	11.06	140.8		52.55
3	205	13.60	100.5		60.50
4	241	8.89	55.9		63.78
5	293	12.18	63.1		68.40
6	308	16.38	80.5		69.75
7	318	12.27	58.6		70.49
8	327	13.83	64.0		71.29
9	335	22.68	102.5		71.93
10	350	45.10	195.2		73.13
11	378	95.04	381.2		75.37
12	401	15.18	57.4		77.20
13	417	20.24	73.5		78.15
14	452	106.64	357.6		80.14
15	499	51.84	157.5		82.82
16	527	28.56	82.0		84.16
17	553	163.30	447.3		85.36
18	597	34.68	88.0		87.40
19	631	109.15	261.9		88.54
20	667	76.69	174.3		89.68
21	723	73.65	154.4		91.08
22	864	36.44	63.9		93.01
23	998	63.54	96.4		94.85
24	1,235	64.41	79.0		96.39
25	1,903	29.30	23.3		100.72

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : +R3 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,869	21.73	11.5		104.20
27	4,069	7.22	2.7		105.99
28	5,476	8.03	2.2		107.78
29	5,828	6.83	1.8		108.23
30	7,565	7.06	1.4		110.27
31	10,380	75.00	10.9	Upper Marker	113.00
32	14,066	0.00	0.0		116.58
33	16,216	0.00	0.0		118.67
34	17,649	0.00	0.0		120.06

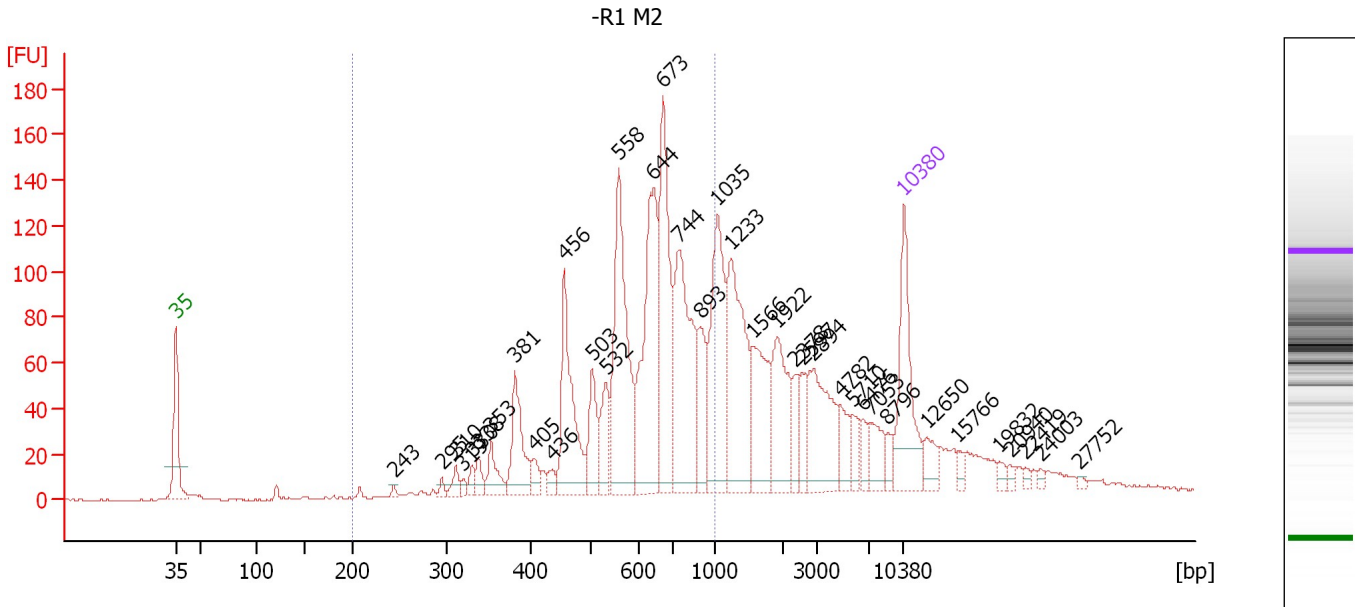
Region table for sample 4 : +R3 M2

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	569	999.09	993.8	3,064.0	70	29.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : -R1 M2

Number of peaks found: 37 Corr. Area 1: 1,502.6
 Noise: 0.4

Peak table for sample 5 : -R1 M2

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	243	3.38	21.0		63.97
3	295	5.11	26.3		68.59
4	310	11.09	54.1		69.92
5	319	5.01	23.8		70.64
6	330	8.43	38.7		71.51
7	338	12.13	54.4		72.13
8	353	25.23	108.3		73.36
9	381	62.92	250.4		75.62
10	405	12.19	45.6		77.46
11	436	8.92	31.0		79.21
12	456	109.20	362.8		80.38
13	503	43.89	132.1		83.05
14	532	36.24	103.2		84.38
15	558	166.39	452.1		85.56
16	644	165.51	389.4		88.95
17	673	147.15	331.5		89.87
18	744	151.85	309.4		91.36
19	893	45.48	77.1		93.41
20	1,035	116.11	170.0		95.10
21	1,233	125.84	154.6		96.38
22	1,566	68.56	66.3		98.54
23	1,922	65.49	51.6		100.85
24	2,378	19.97	12.7		102.59
25	2,597	18.73	10.9		103.31

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : -R1 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,894	71.75	37.6		104.28
27	4,782	23.02	7.3		106.90
28	5,710	15.10	4.0		108.08
29	6,476	13.24	3.1		109.05
30	7,053	22.45	4.8		109.77
31	8,796	8.32	1.4		111.46
32	10,380	75.00	10.9	Upper Marker	113.00
33	12,650	0.00	0.0		115.21
34	15,766	0.00	0.0		118.23
35	19,832	0.00	0.0		122.18
36	20,940	0.00	0.0		123.26
37	22,419	0.00	0.0		124.69
38	24,003	0.00	0.0		126.23
39	27,752	0.00	0.0		129.87

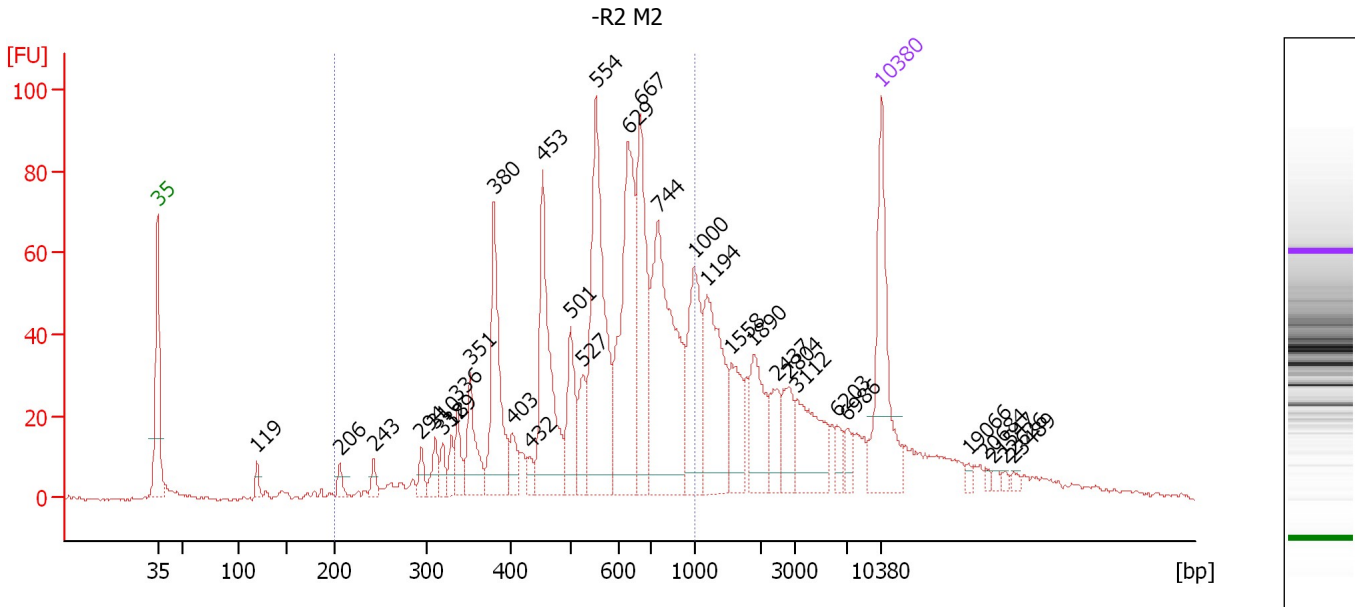
Region table for sample 5 : -R1 M2

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	626	1,079.66	1,502.6	2,917.9	58	26.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : -R2 M2

Number of peaks found: 33 Corr. Area 1: 1,115.1
 Noise: 0.5

Peak table for sample 6 : -R2 M2

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	119	9.78	124.0		52.59
3	206	9.07	66.7		60.60
4	243	9.48	59.2		63.91
5	294	11.51	59.4		68.52
6	310	16.04	78.4		69.88
7	318	11.29	53.8		70.56
8	329	12.01	55.4		71.40
9	336	20.58	92.9		71.97
10	351	41.72	179.9		73.23
11	380	94.73	377.9		75.54
12	403	17.20	64.7		77.32
13	432	8.38	29.4		79.00
14	453	115.56	386.6		80.20
15	501	43.54	131.8		82.93
16	527	28.49	82.0		84.13
17	554	158.91	434.8		85.39
18	629	145.06	349.2		88.48
19	667	102.02	231.8		89.68
20	744	172.07	350.5		91.36
21	1,000	69.32	105.1		94.87
22	1,194	88.31	112.1		96.13
23	1,558	35.62	34.6		98.49
24	1,890	43.31	34.7		100.63
25	2,437	20.25	12.6		102.78

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : -R2 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,804	25.54	13.8		103.99
27	3,112	45.72	22.3		104.77
28	6,203	9.50	2.3		108.70
29	6,986	8.98	1.9		109.70
30	10,380	75.00	10.9	Upper Marker	113.00
31	19,066	0.00	0.0		121.44
32	20,684	0.00	0.0		123.01
33	21,547	0.00	0.0		123.85
34	22,626	0.00	0.0		124.89
35	23,489	0.00	0.0		125.73

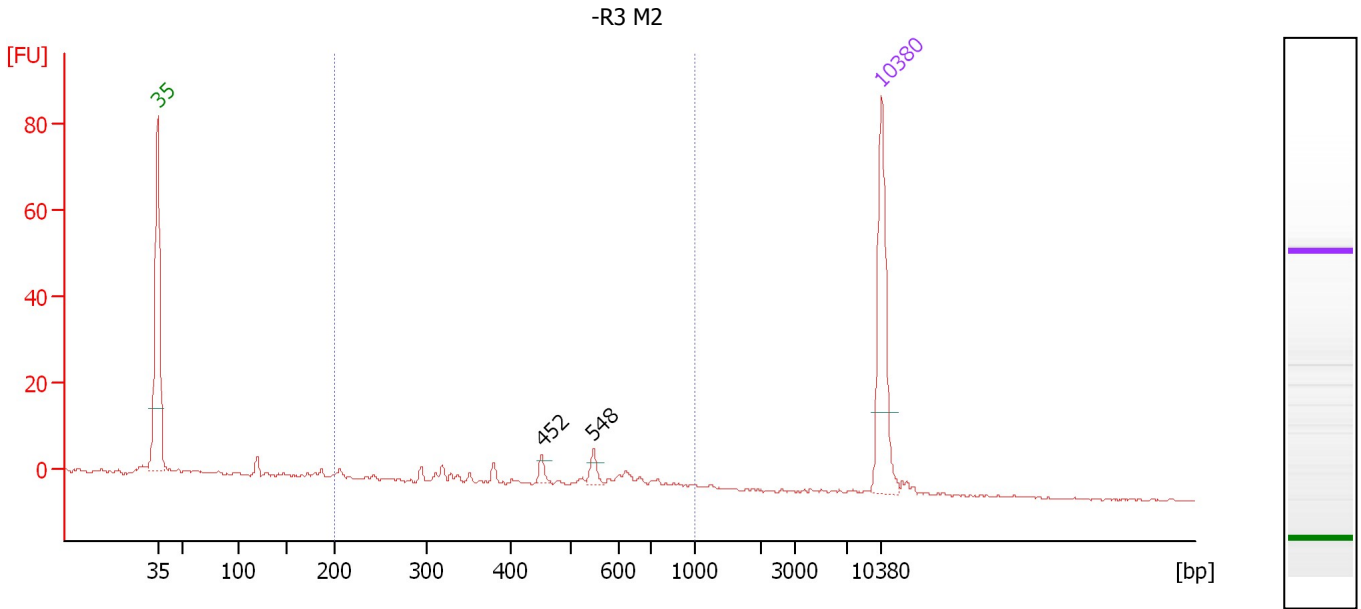
Region table for sample 6 : -R2 M2

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	584	1,107.03	1,115.1	3,331.9	65	29.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : -R3 M2

Number of peaks found: 2 Corr. Area 1: 31.1
 Noise: 0.2

Peak table for sample 7 : -R3 M2

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	452	6.44	21.6		80.15
3	548	8.77	24.2		85.14
4	10,380	75.00	10.9	Upper Marker	113.00

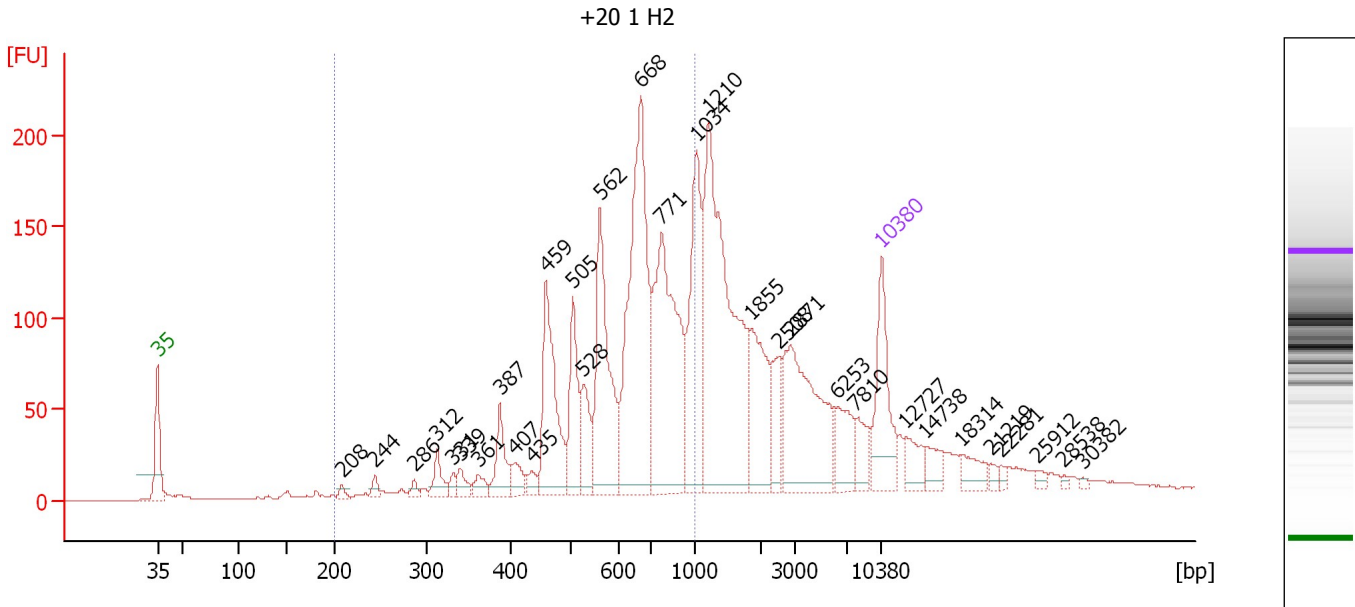
Region table for sample 7 : -R3 M2

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	501	42.56	31.1	151.0	70	29.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : +20 1 H2

Number of peaks found: 31 Corr. Area 1: 1,832.3
 Noise: 0.4

Peak table for sample 8 : +20 1 H2

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	208	6.27	45.6		60.80
3	244	10.19	63.4		64.00
4	286	7.19	38.0		67.85
5	312	24.13	117.3		70.02
6	331	8.92	40.8		71.60
7	339	15.81	70.6		72.25
8	361	14.05	58.9		74.04
9	387	43.61	170.8		76.10
10	407	18.94	70.5		77.57
11	435	12.63	44.0		79.19
12	459	140.18	462.7		80.55
13	505	76.27	228.6		83.16
14	528	47.04	135.0		84.19
15	562	163.74	441.6		85.76
16	668	309.24	701.6		89.72
17	771	251.88	495.3		91.73
18	1,034	146.24	214.4		95.09
19	1,210	336.84	421.9		96.23
20	1,855	84.43	69.0		100.41
21	2,508	39.37	23.8		103.02
22	2,871	150.37	79.3		104.21
23	6,253	43.90	10.6		108.77
24	7,810	24.03	4.7		110.50
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : +20 1 H2

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	12,727	0.00	0.0		115.28
27	14,738	0.00	0.0		117.23
28	18,314	0.00	0.0		120.71
29	21,219	0.00	0.0		123.53
30	22,281	0.00	0.0		124.56
31	25,912	0.00	0.0		128.09
32	28,538	0.00	0.0		130.64
33	30,382	0.00	0.0		132.43

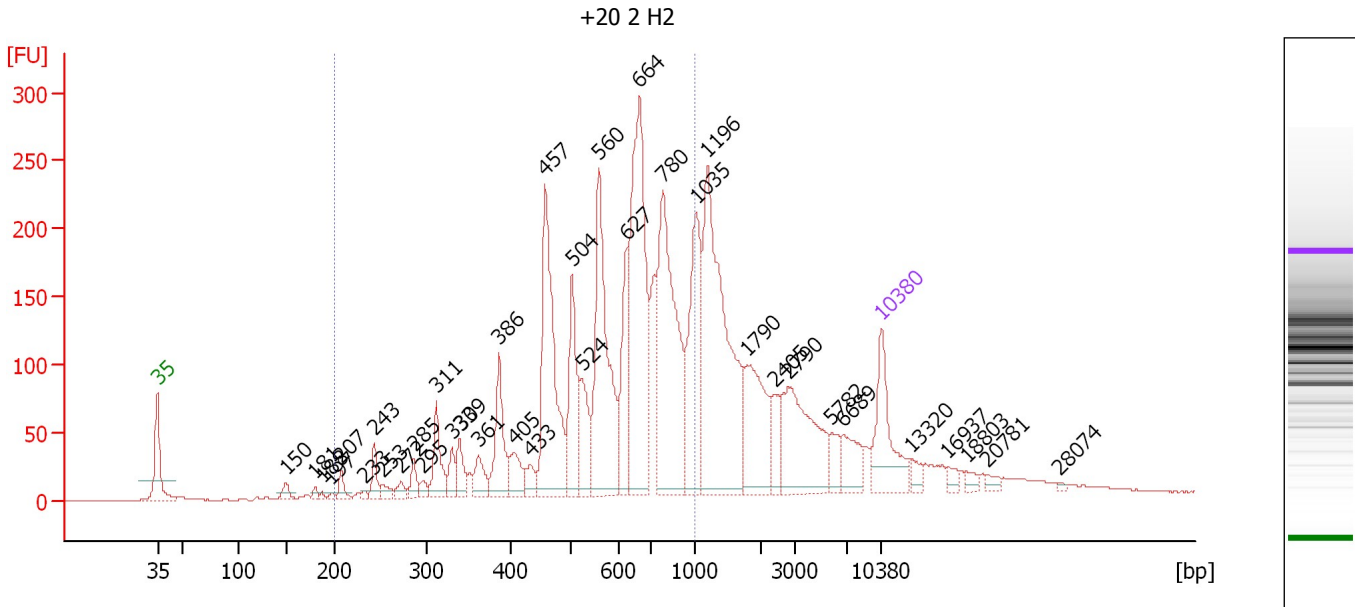
Region table for sample 8 : +20 1 H2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	632	1,225.41	1,832.3	3,331.3	 52	27.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : +20 2 H2

Number of peaks found: 37 Corr. Area 1: 2,914.6
 Noise: 0.4

Peak table for sample 9 : +20 2 H2

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	150	13.98	141.5		55.41
3	181	6.23	52.3		58.26
4	188	3.09	24.9		58.92
5	197	3.70	28.4		59.80
6	207	15.51	113.3		60.73
7	233	4.01	26.1		63.04
8	243	23.61	146.9		63.97
9	253	11.38	68.3		64.80
10	272	11.95	66.5		66.55
11	285	18.74	99.5		67.76
12	295	9.24	47.4		68.64
13	311	53.03	258.5		69.96
14	330	21.55	99.0		71.49
15	339	29.65	132.6		72.21
16	361	28.48	119.5		74.02
17	386	76.38	300.2		76.00
18	405	31.85	119.0		77.48
19	433	18.67	65.3		79.07
20	457	231.98	768.9		80.44
21	504	102.90	309.4		83.08
22	524	59.38	171.7		84.01
23	560	223.77	605.8		85.66
24	627	80.75	195.1		88.40
25	664	306.24	698.3		89.61

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...

... Peak table for sample 9 : +20 2 H2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	780	274.57	533.1		91.86
27	1,035	148.26	217.1		95.10
28	1,196	321.00	406.6		96.15
29	1,790	104.51	88.5		99.99
30	2,405	30.53	19.2		102.68
31	2,790	126.89	68.9		103.94
32	5,782	21.04	5.5		108.17
33	6,689	37.12	8.4		109.32
34	10,380	75.00	10.9	Upper Marker	113.00
35	13,320	0.00	0.0		115.85
36	16,937	0.00	0.0		119.37
37	18,803	0.00	0.0		121.18
38	20,781	0.00	0.0		123.10
39	28,074	0.00	0.0		130.18

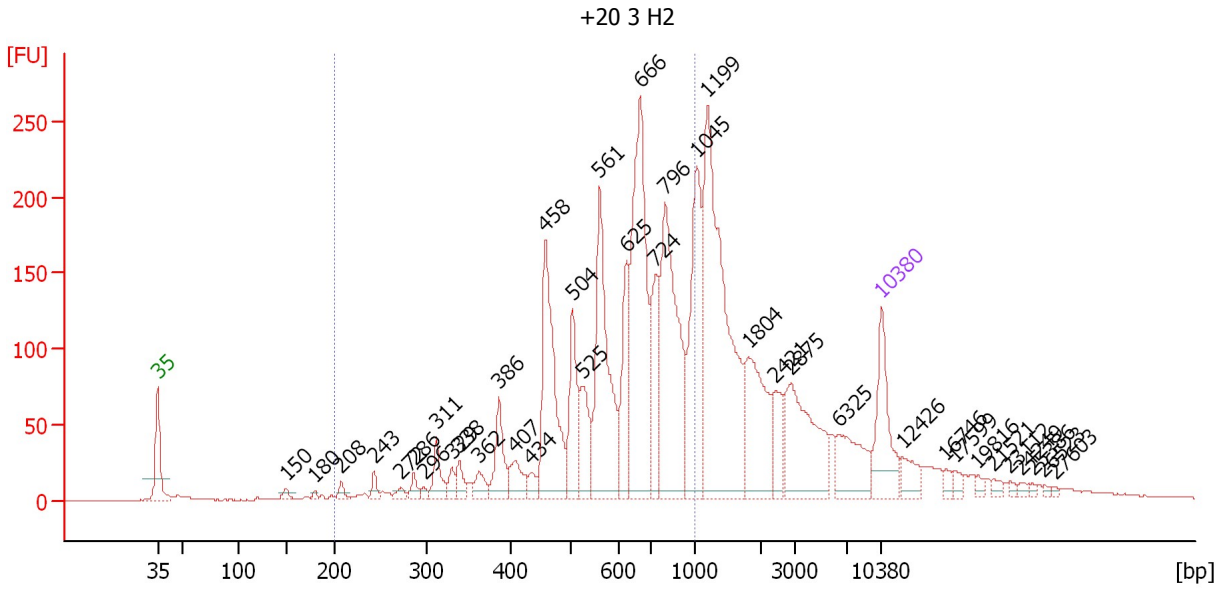
Region table for sample 9 : +20 2 H2

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	605	1,794.32	2,914.6	5,232.8	62	29.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : +20 3 H2

Number of peaks found: 38 Corr. Area 1: 2,382.8
 Noise: 0.4

Peak table for sample 10 : +20 3 H2

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	150	9.31	93.8		55.48
3	180	4.65	39.1		58.24
4	208	10.59	77.2		60.78
5	243	13.11	81.8		63.92
6	272	9.25	51.5		66.57
7	286	13.41	71.1		67.79
8	296	6.85	35.0		68.73
9	311	36.22	176.7		69.94
10	329	15.70	72.3		71.43
11	338	19.96	89.5		72.15
12	362	20.04	83.9		74.08
13	386	57.05	224.1		76.01
14	407	33.23	123.8		77.56
15	434	14.54	50.8		79.10
16	458	203.19	672.4		80.48
17	504	92.04	276.8		83.08
18	525	63.00	181.7		84.07
19	561	215.57	582.0		85.73
20	625	92.76	225.0		88.32
21	666	296.85	675.7		89.65
22	724	92.87	194.5		91.08
23	796	263.86	502.3		92.08
24	1,045	168.91	244.8		95.17
25	1,199	377.57	477.2		96.16

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...

... Peak table for sample 10 : +20 3 H2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,804	120.08	100.8		100.08
27	2,421	39.95	25.0		102.73
28	2,875	128.90	67.9		104.22
29	6,325	64.40	15.4		108.86
30	10,380	75.00	10.9	Upper Marker	113.00
31	12,426	0.00	0.0		114.99
32	16,746	0.00	0.0		119.18
33	17,599	0.00	0.0		120.01
34	19,816	0.00	0.0		122.16
35	21,521	0.00	0.0		123.82
36	23,112	0.00	0.0		125.37
37	24,249	0.00	0.0		126.47
38	25,386	0.00	0.0		127.57
39	26,523	0.00	0.0		128.68
40	27,603	0.00	0.0		129.73

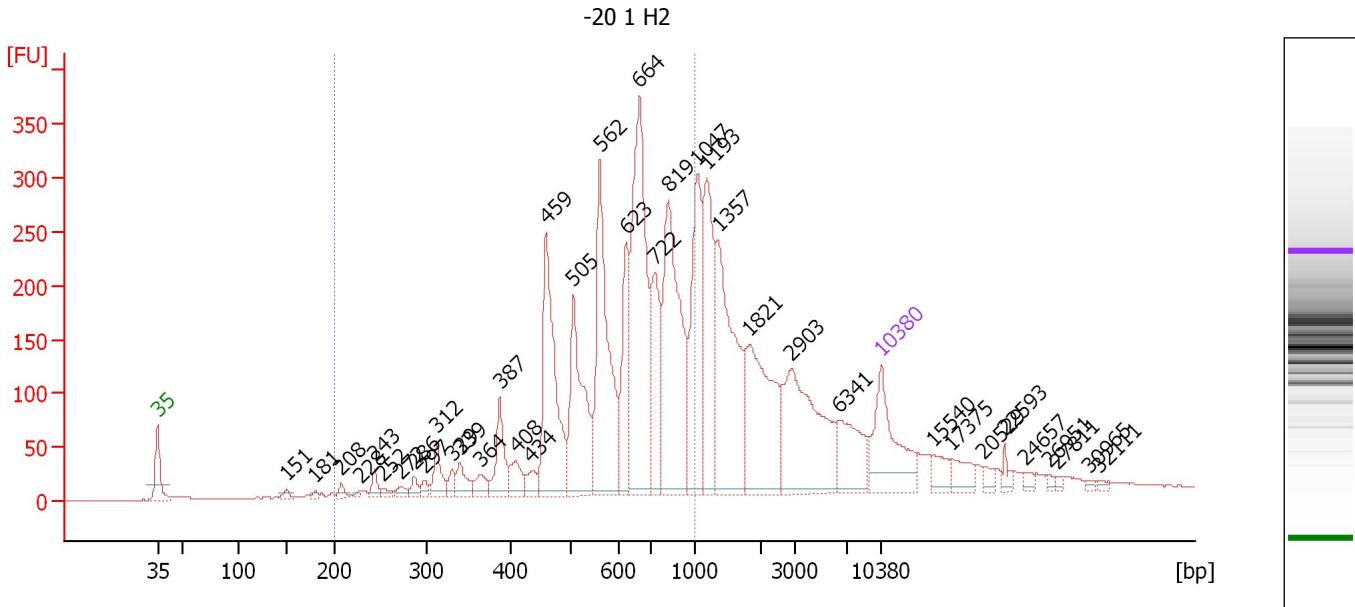
Region table for sample 10 : +20 3 H2

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	621	1,682.22	2,382.8	4,722.5	57	28.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : -20 1 H2

Number of peaks found: 38 Corr. Area 1: 3,335.9
 Noise: 0.3

Peak table for sample 11 : -20 1 H2


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	6.07	60.9		55.53
3	181	3.65	30.7		58.26
4	208	7.77	56.6		60.76
5	228	3.51	23.3		62.55
6	243	12.69	79.1		63.94
7	252	6.23	37.4		64.77
8	272	8.25	46.0		66.56
9	286	9.47	50.1		67.84
10	297	8.35	42.6		68.78
11	312	27.84	135.4		70.01
12	329	10.49	48.2		71.46
13	339	22.08	98.7		72.24
14	364	15.79	65.8		74.24
15	387	45.13	176.9		76.08
16	408	23.01	85.4		77.64
17	434	14.19	49.5		79.14
18	459	169.92	561.3		80.53
19	505	134.78	404.0		83.15
20	562	187.12	504.4		85.77
21	623	79.38	193.0		88.27
22	664	252.94	576.8		89.61
23	722	84.62	177.7		91.06
24	819	213.98	395.8		92.40
25	1,047	127.63	184.7		95.18

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad


Created: 5/1/2018 1:06:41 PM
 Modified: 5/1/2018 3:56:11 PM

Electropherogram Summary Continued ...

... Peak table for sample 11 : -20 1 H2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,193	117.67	149.4		96.13
27	1,357	166.65	186.1		97.18
28	1,821	133.51	111.1		100.19
29	2,903	140.84	73.5		104.31
30	6,341	54.82	13.1		108.88
31	 10,380	75.00	10.9	Upper Marker	113.00
32	15,540	0.00	0.0		118.01
33	17,375	0.00	0.0		119.79
34	20,529	0.00	0.0		122.86
35	22,593	0.00	0.0		124.86
36	24,657	0.00	0.0		126.87
37	26,951	0.00	0.0		129.09
38	27,811	0.00	0.0		129.93
39	30,965	0.00	0.0		132.99
40	32,111	0.00	0.0		134.11

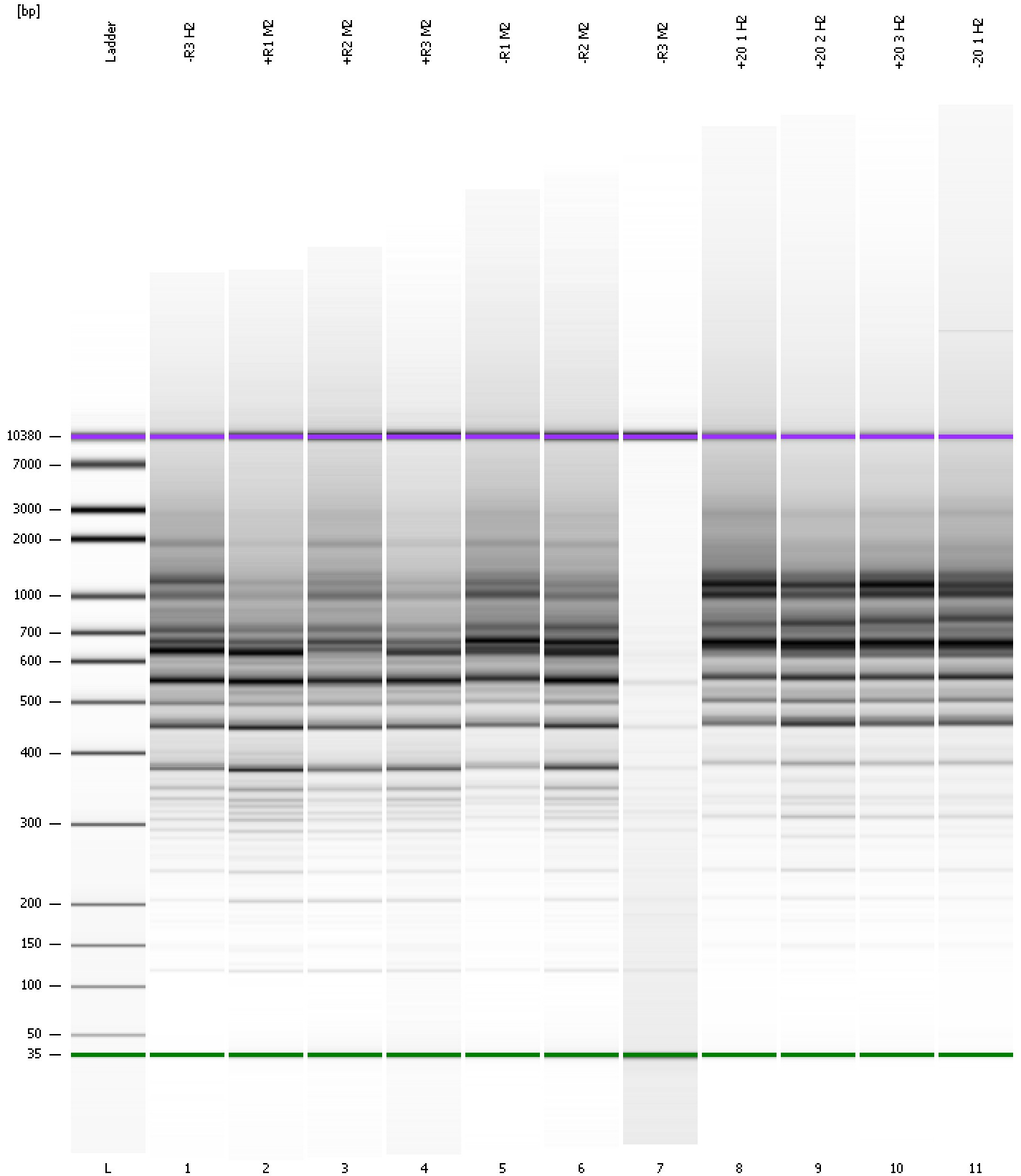
Region table for sample 11 : -20 1 H2

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	625	1,381.58	3,335.9	3,839.5	 58	27.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
Modified: 5/1/2018 3:56:11 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_001.xad

Created: 5/1/2018 1:06:41 PM
Modified: 5/1/2018 3:56:11 PM

Curves

Standard Curve

