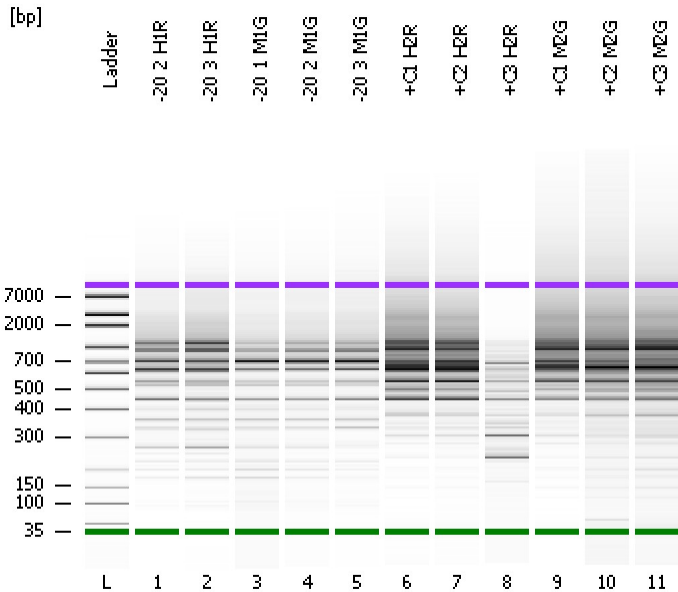


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
Modified: 4/18/2018 3:00:29 PM

Electrophoresis File Run Summary



Instrument Information:

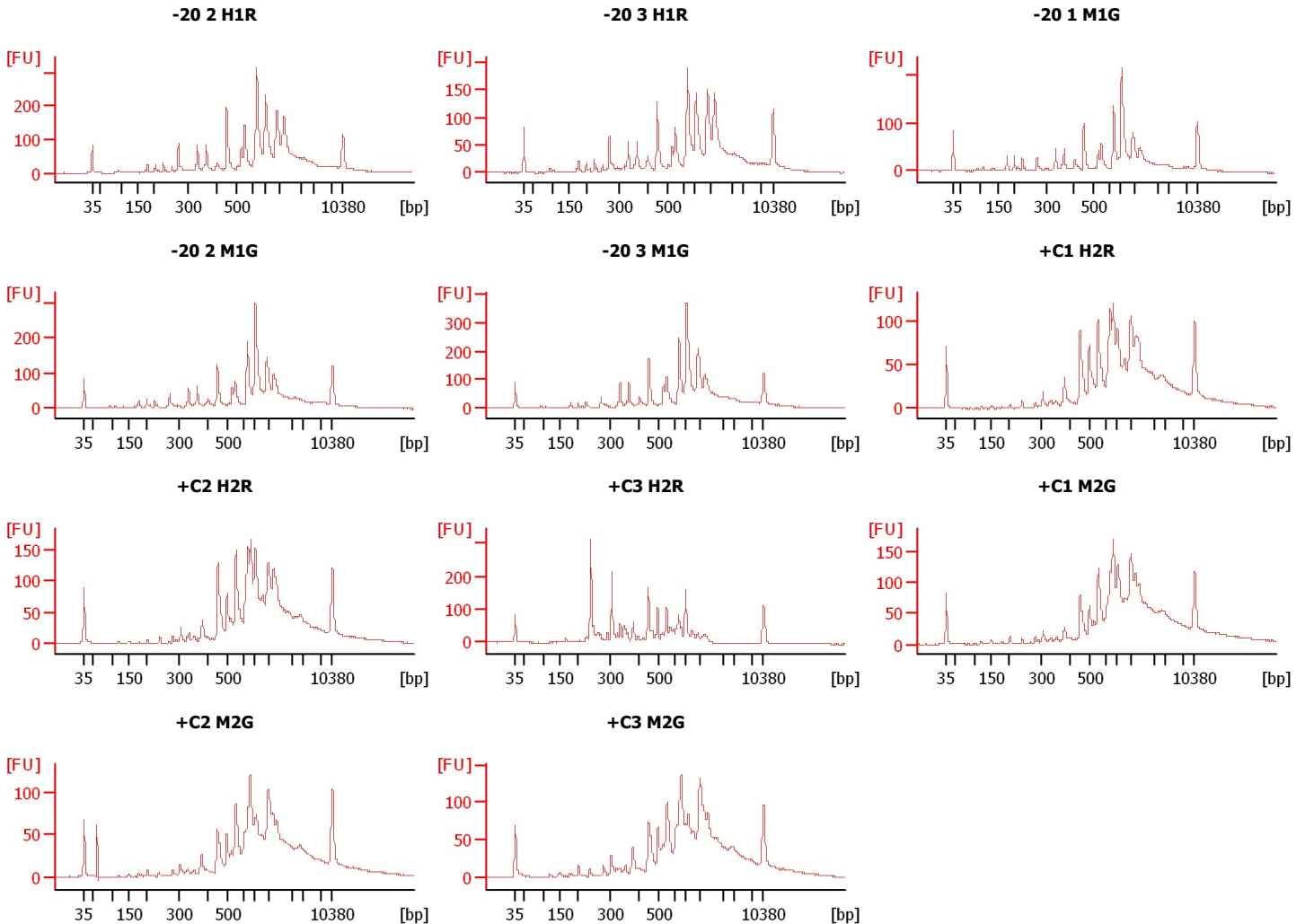
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
Modified: 4/18/2018 3:00:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
-20 2 H1R		<input type="checkbox"/>	✓			
-20 3 H1R		<input type="checkbox"/>	✓			
-20 1 M1G		<input type="checkbox"/>	✓			
-20 2 M1G		<input type="checkbox"/>	✓			
-20 3 M1G		<input type="checkbox"/>	✓			
+C1 H2R		<input type="checkbox"/>	✓			
+C2 H2R		<input type="checkbox"/>	✓			
+C3 H2R		<input type="checkbox"/>	✓			
+C1 M2G		<input type="checkbox"/>	✓			
+C2 M2G		<input type="checkbox"/>	✓			
+C3 M2G		<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\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
Modified: 4/18/2018 3:00:29 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

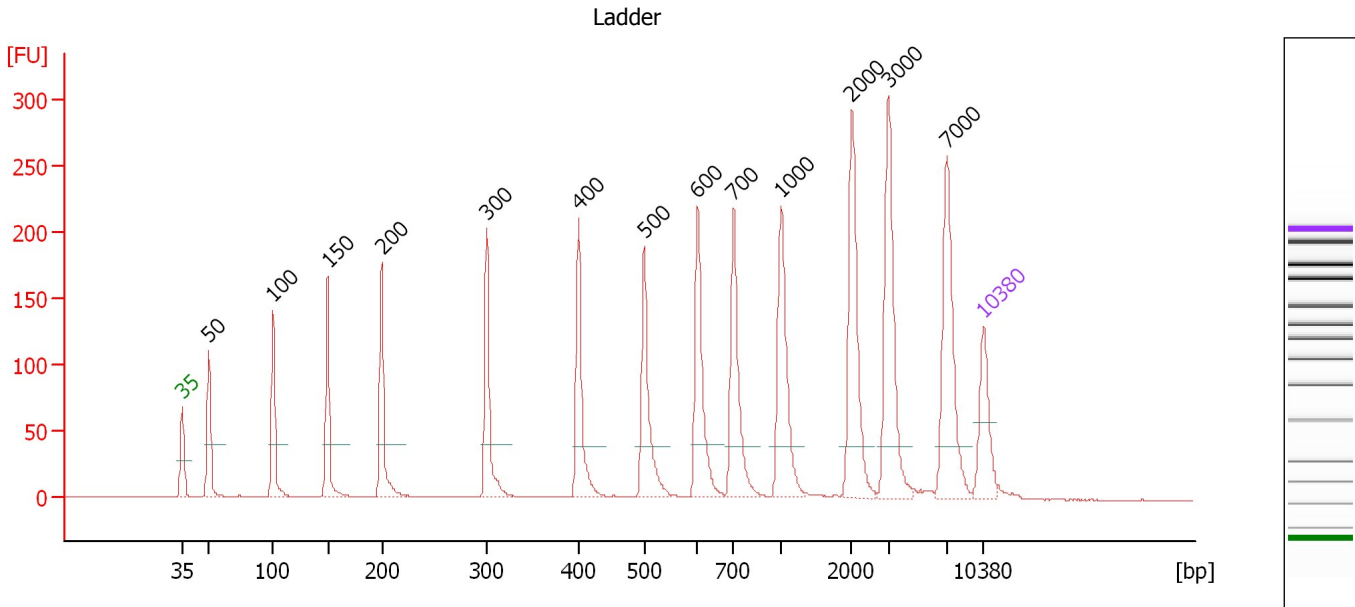
Ladder

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\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

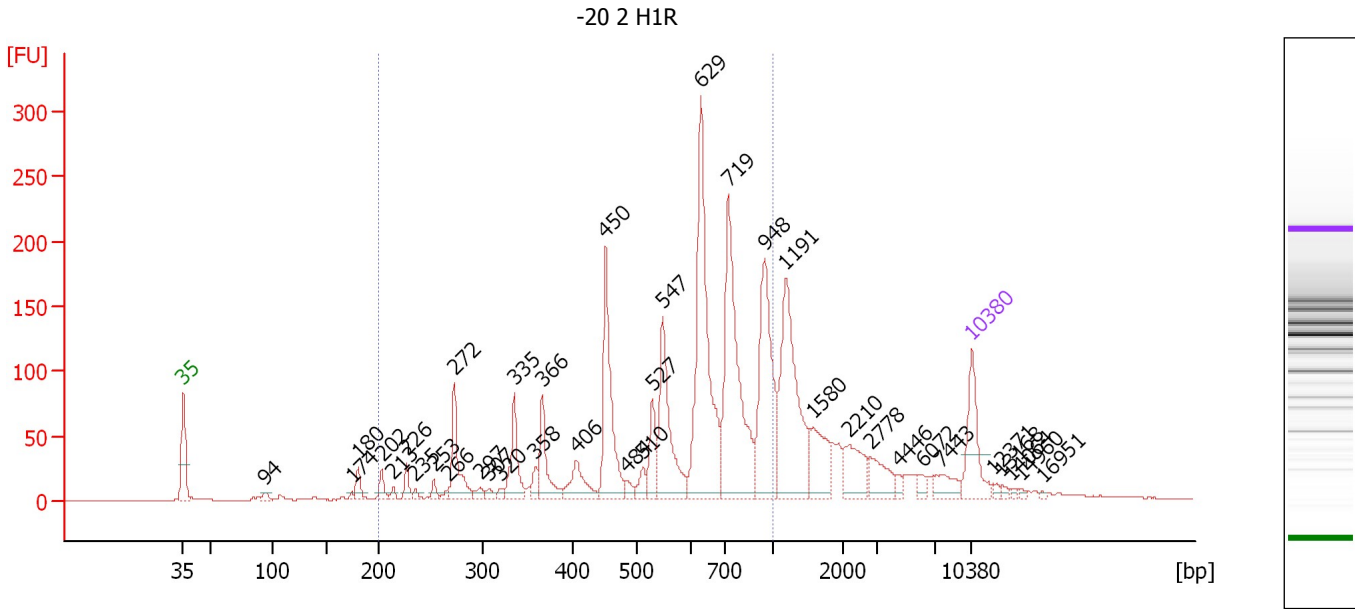
Peak table for Ladder

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	45.33
3	100	150.00	2,272.7	Ladder Peak	50.96
4	150	150.00	1,515.2	Ladder Peak	55.71
5	200	150.00	1,136.4	Ladder Peak	60.42
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	83.33
9	600	150.00	378.8	Ladder Peak	88.04
10	700	150.00	324.7	Ladder Peak	91.16
11	1,000	150.00	227.3	Ladder Peak	95.30
12	2,000	150.00	113.6	Ladder Peak	101.50
13	3,000	150.00	75.8	Ladder Peak	104.66
14	7,000	150.00	32.5	Ladder Peak	109.79
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : -20 2 H1R

Number of peaks found: 37 Corr. Area 1: 1,889.6
 Noise: 0.5

Peak table for sample 1 : -20 2 H1R

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	94	10.03	161.7		50.29
3	174	5.54	48.3		57.96
4	180	27.43	231.1		58.52
5	202	23.28	174.6		60.61
6	213	9.56	67.9		61.65
7	226	24.21	162.1		62.83
8	235	9.22	59.6		63.59
9	253	13.40	80.4		65.24
10	266	7.87	44.8		66.48
11	272	99.28	552.6		67.04
12	297	12.45	63.4		69.36
13	307	10.61	52.3		70.17
14	320	8.58	40.7		71.16
15	335	84.01	380.1		72.39
16	358	18.41	77.9		74.24
17	366	79.69	330.2		74.85
18	406	57.37	214.3		77.93
19	450	191.59	644.7		80.48
20	484	12.58	39.4		82.43
21	510	21.54	64.0		83.80
22	527	58.78	169.0		84.60
23	547	166.02	459.8		85.55
24	629	369.79	890.1		88.96
25	719	334.51	705.0		91.42

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : -20 2 H1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	948	220.91	352.9		94.59
27	1,191	247.76	315.3		96.48
28	1,580	72.82	69.8		98.90
29	2,210	62.57	42.9		102.16
30	2,778	45.22	24.7		103.96
31	4,446	8.13	2.8		106.52
32	6,072	11.08	2.8		108.60
33	7,443	28.34	5.8		110.21
34	10,380	75.00	10.9	Upper Marker	113.00
35	12,371	0.00	0.0		114.89
36	13,168	0.00	0.0		115.65
37	14,064	0.00	0.0		116.50
38	14,960	0.00	0.0		117.35
39	16,951	0.00	0.0		119.25

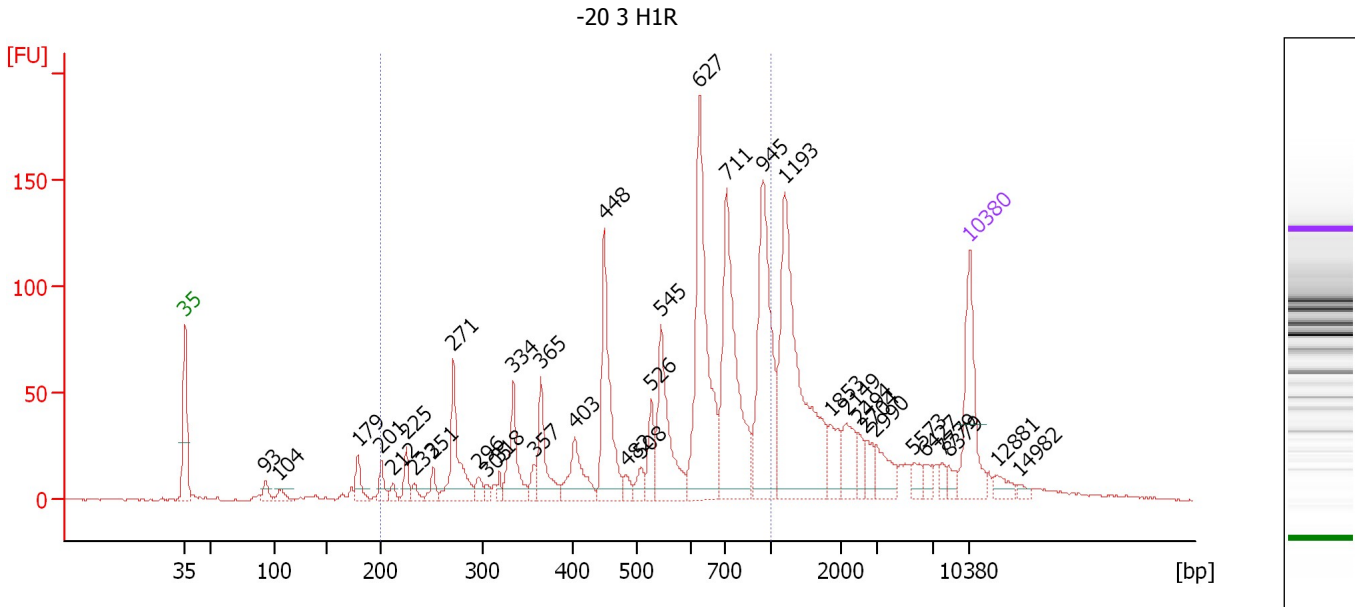
Region table for sample 1 : -20 2 H1R

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	610	1,807.89	1,889.6	5,515.6	69	32.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : -20 3 H1R

Number of peaks found: 36 Corr. Area 1: 1,313.8
 Noise: 0.4

Peak table for sample 2 : -20 3 H1R

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	93	14.95	243.4		50.18
3	104	11.47	166.7		51.37
4	179	25.51	215.8		58.46
5	201	18.46	139.2		60.50
6	212	8.16	58.3		61.55
7	225	20.90	140.6		62.74
8	233	8.95	58.2		63.45
9	251	15.95	96.2		65.11
10	271	90.15	503.3		66.97
11	296	12.92	66.2		69.20
12	305	6.53	32.5		69.96
13	318	8.28	39.4		71.06
14	334	66.05	299.9		72.29
15	357	13.57	57.6		74.15
16	365	59.04	245.3		74.77
17	403	53.25	200.3		77.76
18	448	128.10	432.8		80.38
19	482	10.63	33.4		82.33
20	508	14.38	42.9		83.71
21	526	33.89	97.6		84.56
22	545	102.88	285.8		85.47
23	627	224.30	541.7		88.89
24	711	211.91	451.3		91.32
25	945	179.66	287.9		94.55

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : -20 3 H1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,193	250.16	317.7		96.50
27	1,853	28.53	23.3		100.59
28	2,149	34.49	24.3		101.97
29	2,494	13.02	7.9		103.06
30	2,704	15.32	8.6		103.73
31	2,990	28.22	14.3		104.63
32	5,573	11.58	3.1		107.96
33	6,427	9.60	2.3		109.05
34	7,779	7.43	1.4		110.53
35	8,379	9.02	1.6		111.10
36	10,380	75.00	10.9	Upper Marker	113.00
37	12,881	0.00	0.0		115.38
38	14,982	0.00	0.0		117.38

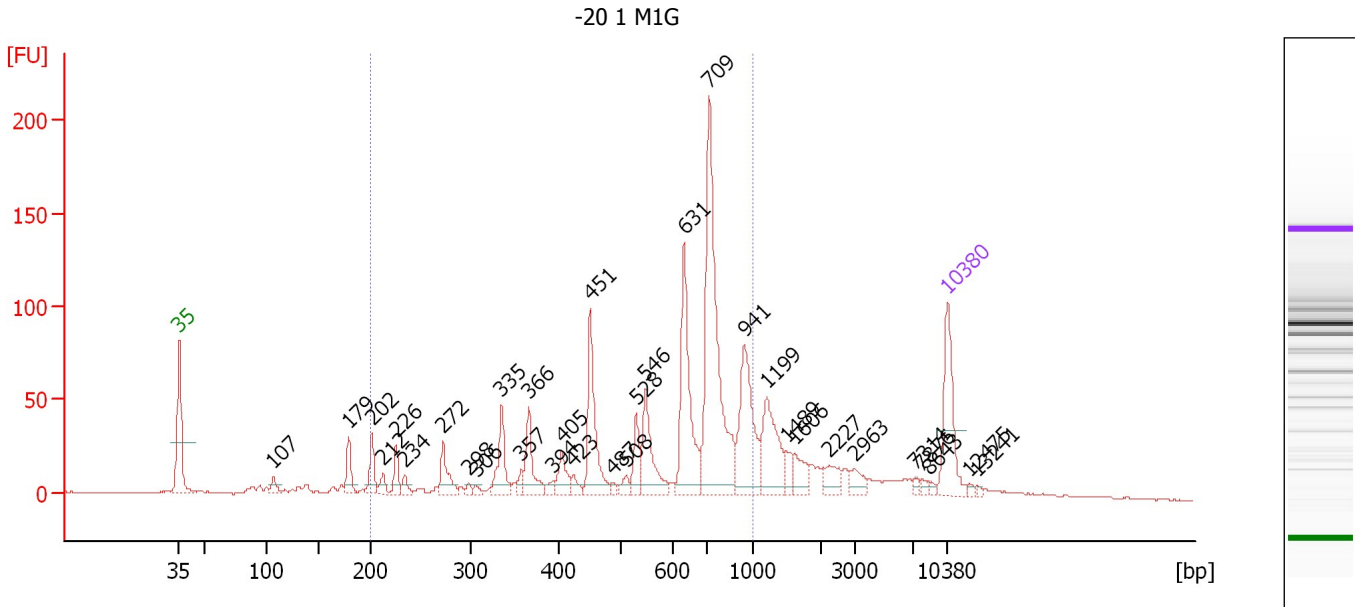
Region table for sample 2 : -20 3 H1R

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	606	1,243.39	1,313.8	3,912.2	65	34.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : -20 1 M1G

Number of peaks found: 33 Corr. Area 1: 1,031.0
 Noise: 0.4

Peak table for sample 3 : -20 1 M1G

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	107	16.18	229.8		51.60
3	179	35.70	302.1		58.45
4	202	35.25	264.6		60.59
5	212	14.78	105.5		61.56
6	226	25.26	169.6		62.77
7	234	12.09	78.2		63.55
8	272	41.41	230.5		67.05
9	298	5.90	30.0		69.43
10	306	5.58	27.7		70.06
11	335	54.39	246.1		72.39
12	357	10.93	46.3		74.19
13	366	51.91	215.0		74.87
14	394	8.93	34.4		77.10
15	405	29.45	110.2		77.88
16	423	11.90	42.6		78.95
17	451	105.63	355.2		80.50
18	487	5.12	15.9		82.59
19	508	11.12	33.2		83.71
20	528	34.88	100.2		84.63
21	546	72.79	201.9		85.51
22	631	149.80	359.7		89.00
23	709	305.94	653.5		91.29
24	941	118.09	190.1		94.49
25	1,199	79.63	100.7		96.53

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad


Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : -20 1 M1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,489	13.30	13.5		98.33
27	1,606	23.81	22.5		99.06
28	2,227	21.31	14.5		102.22
29	2,963	15.49	7.9		104.55
30	7,314	4.95	1.0		110.09
31	7,876	4.35	0.8		110.62
32	8,643	3.59	0.6		111.35
33	10,380	75.00	10.9	Upper Marker	113.00
34	12,475	0.00	0.0		114.99
35	13,241	0.00	0.0		115.72

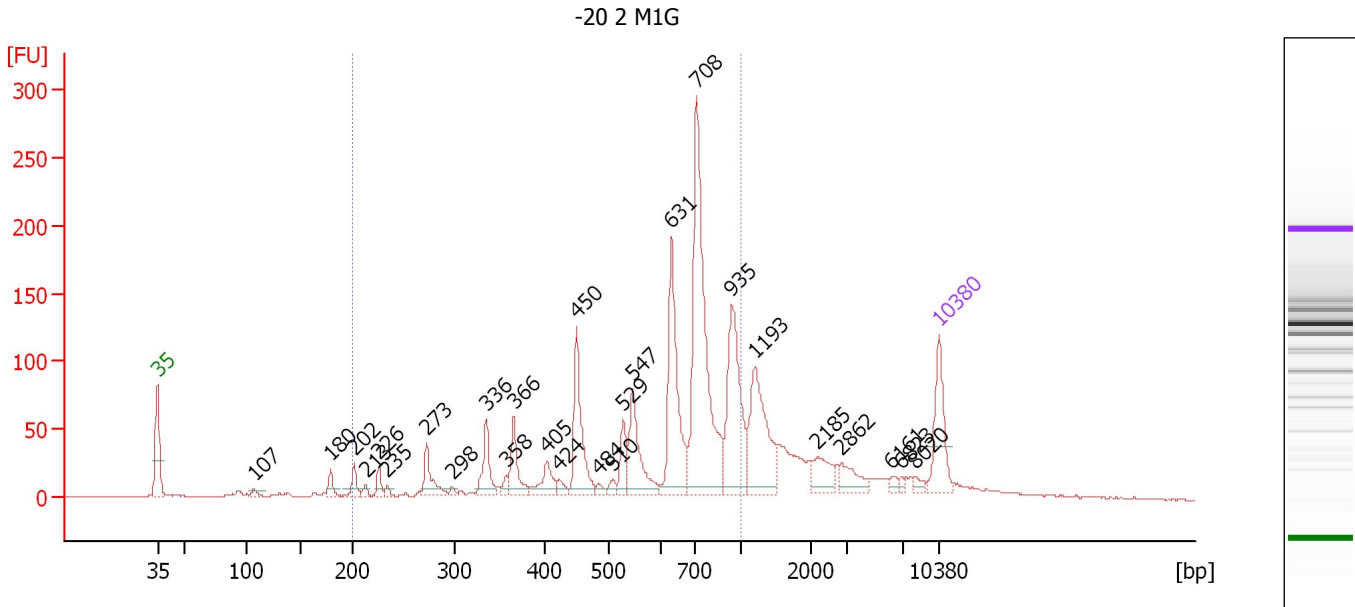
Region table for sample 3 : -20 1 M1G

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	606	1,144.16	1,031.0	3,617.2	 71	33.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : -20 2 M1G

Number of peaks found: 27 Corr. Area 1: 1,425.7
 Noise: 0.4

Peak table for sample 4 : -20 2 M1G

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	107	10.75	152.2		51.63
3	180	22.96	193.6		58.51
4	202	25.69	192.7		60.60
5	213	9.02	64.0		61.65
6	226	20.08	134.4		62.84
7	235	7.64	49.3		63.59
8	273	53.63	298.0		67.08
9	298	6.36	32.4		69.37
10	336	61.36	276.8		72.47
11	358	11.87	50.3		74.21
12	366	60.45	250.0		74.91
13	405	40.93	153.1		77.90
14	424	12.12	43.3		79.00
15	450	129.71	436.3		80.49
16	484	8.15	25.5		82.44
17	510	9.97	29.7		83.78
18	529	42.23	121.0		84.68
19	547	100.03	277.2		85.53
20	631	202.78	486.5		89.02
21	708	417.85	894.7		91.26
22	935	183.88	298.0		94.40
23	1,193	151.45	192.4		96.50
24	2,185	39.15	27.2		102.08
25	2,862	34.83	18.4		104.23

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : -20 2 M1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	6,161	7.58	1.9		108.71
27	6,823	5.73	1.3		109.56
28	8,020	7.41	1.4		110.76
29	10,380	75.00	10.9	Upper Marker	113.00

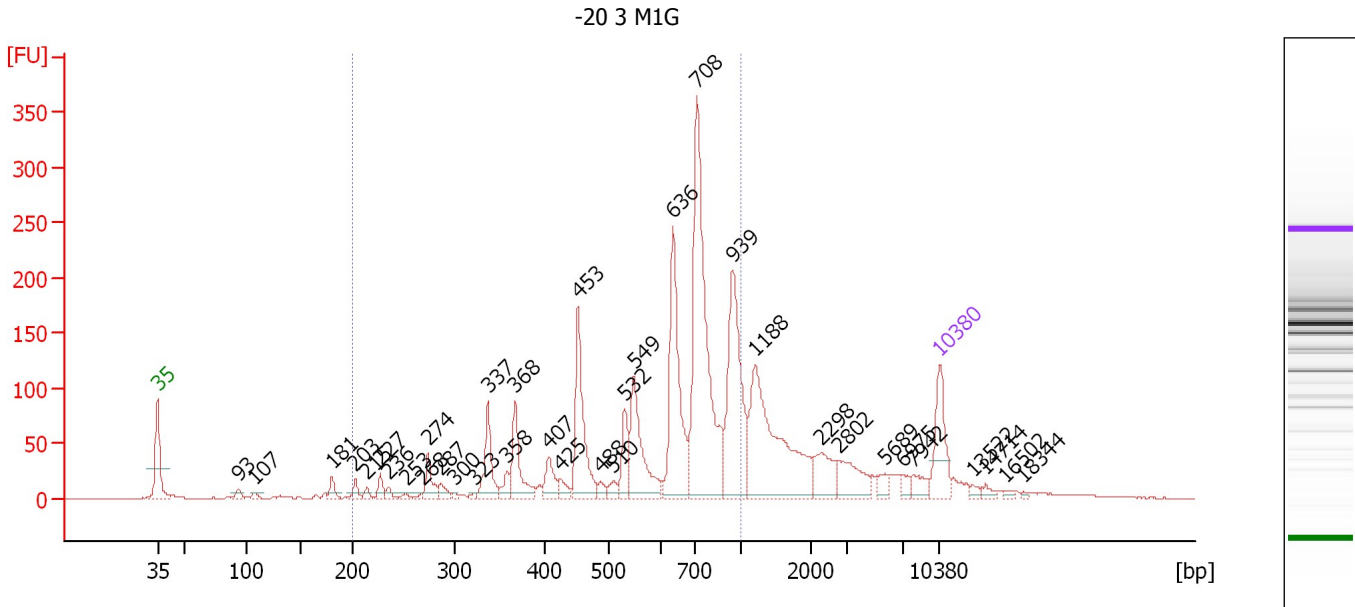
Region table for sample 4 : -20 2 M1G

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	628	1,492.62	1,425.7	4,428.5	69	31.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : -20 3 M1G

Number of peaks found: 36 Corr. Area 1: 1,901.3
 Noise: 0.3

Peak table for sample 5 : -20 3 M1G

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	93	14.98	243.2		50.21
3	107	9.61	135.7		51.65
4	181	21.95	184.0		58.61
5	203	18.47	137.7		60.72
6	215	10.30	72.7		61.75
7	227	20.49	136.5		62.93
8	236	11.58	74.4		63.71
9	253	6.62	39.7		65.25
10	268	4.67	26.4		66.64
11	274	43.31	239.5		67.21
12	287	17.88	94.4		68.39
13	300	4.98	25.1		69.63
14	323	5.95	27.9		71.43
15	337	83.72	376.3		72.57
16	358	22.75	96.2		74.27
17	368	87.44	360.0		75.04
18	407	41.83	155.6		78.03
19	425	19.85	70.7		79.06
20	453	166.47	556.5		80.65
21	488	14.44	44.8		82.66
22	510	15.14	45.0		83.79
23	532	55.18	157.2		84.82
24	549	143.40	395.6		85.65
25	636	238.94	569.5		89.15

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : -20 3 M1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	708	473.13	1,012.9		91.26
27	939	241.25	389.3		94.46
28	1,188	287.85	367.2		96.47
29	2,298	56.77	37.4		102.44
30	2,802	58.46	31.6		104.04
31	5,689	15.29	4.1		108.11
32	6,975	13.15	2.9		109.75
33	7,942	20.67	3.9		110.68
34	10,380	75.00	10.9	Upper Marker	113.00
35	13,522	0.00	0.0		115.99
36	14,714	0.00	0.0		117.12
37	16,502	0.00	0.0		118.82
38	18,344	0.00	0.0		120.57

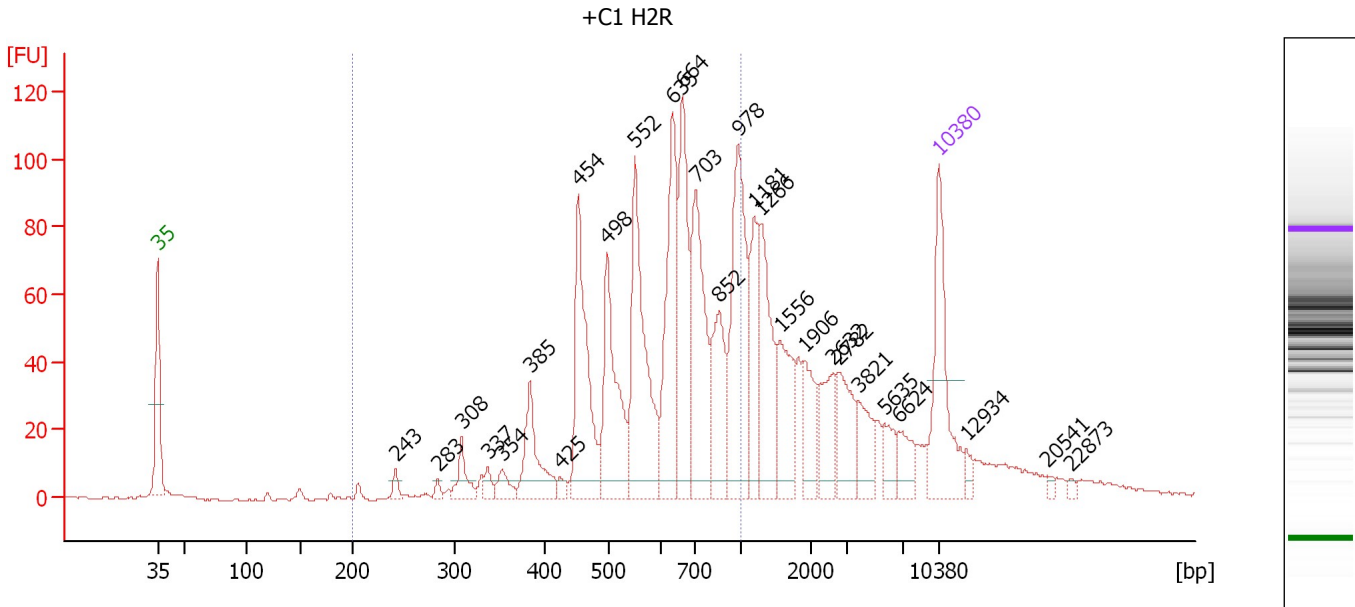
Region table for sample 5 : -20 3 M1G

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	633	1,714.76	1,901.3	4,975.7	68	31.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

Created: 4/18/2018 2:19:59 PM
 Modified: 4/18/2018 3:00:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : +C1 H2R

Number of peaks found: 27 Corr. Area 1: 1,123.3
 Noise: 0.3

Peak table for sample 6 : +C1 H2R

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	8.60	53.7		64.33
3	283	5.07	27.1		68.08
4	308	22.92	112.7		70.24
5	337	9.19	41.3		72.56
6	354	14.48	62.1		73.88
7	385	57.09	225.0		76.36
8	425	6.06	21.6		79.06
9	454	126.85	423.4		80.69
10	498	109.36	332.6		83.23
11	552	146.14	401.4		85.76
12	635	120.80	288.1		89.14
13	664	111.99	255.5		90.04
14	703	121.51	261.9		91.20
15	852	68.78	122.3		93.26
16	978	129.04	199.9		95.00
17	1,181	53.98	69.3		96.42
18	1,266	79.13	94.7		96.95
19	1,556	55.35	53.9		98.75
20	1,906	34.70	27.6		100.91
21	2,632	35.60	20.5		103.50
22	2,782	39.54	21.5		103.97
23	3,821	26.63	10.6		105.71
24	5,635	18.33	4.9		108.04
25	6,624	19.54	4.5		109.30

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 6 : +C1 H2R

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00
27	12,934	0.00	0.0		115.43
28	20,541	0.00	0.0		122.66
29	22,873	0.00	0.0		124.88

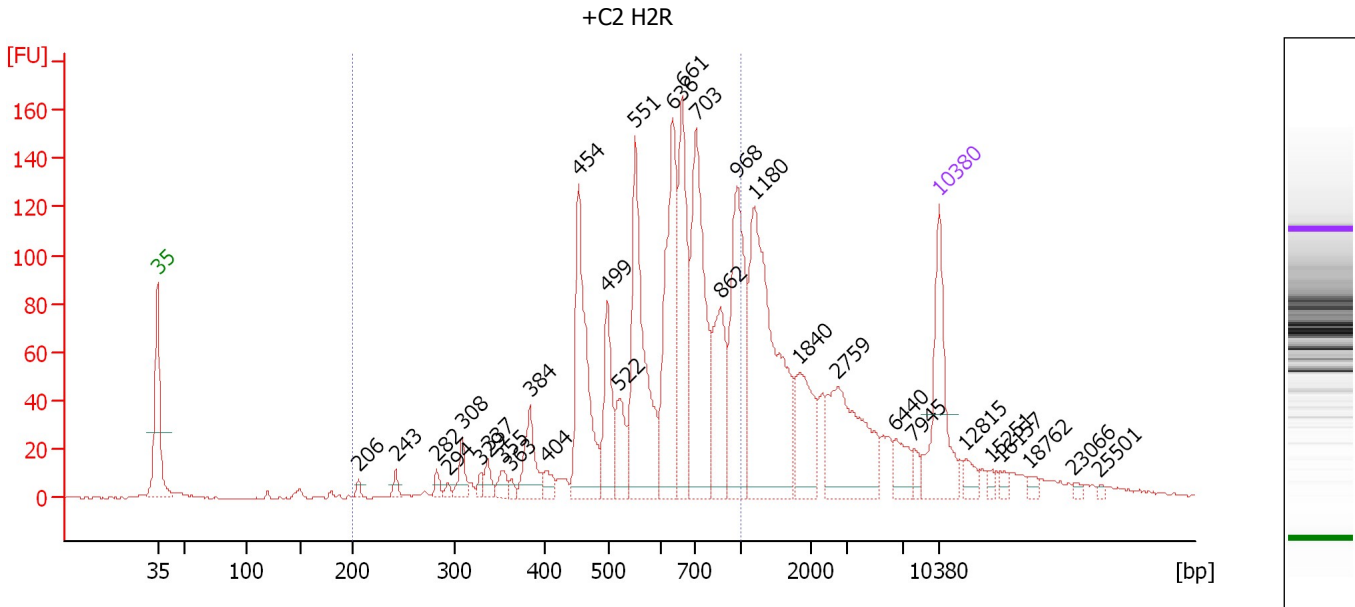
Region table for sample 6 : +C1 H2R

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	631	1,015.20	1,123.3	2,740.8	61	27.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : +C2 H2R

Number of peaks found: 31 Corr. Area 1: 1,556.1
 Noise: 0.4

Peak table for sample 7 : +C2 H2R

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	206	5.36	39.4		60.98
3	243	8.64	54.0		64.32
4	282	8.06	43.3		67.98
5	294	4.94	25.5		69.01
6	308	20.49	100.8		70.25
7	329	6.91	31.8		71.92
8	337	13.41	60.3		72.56
9	355	12.63	54.0		73.96
10	363	4.85	20.2		74.66
11	384	44.75	176.5		76.33
12	404	11.59	43.5		77.84
13	454	149.25	498.2		80.69
14	499	66.34	201.4		83.28
15	522	38.94	113.1		84.35
16	551	170.32	468.0		85.75
17	636	154.94	369.4		89.15
18	661	122.77	281.2		89.95
19	703	175.32	378.1		91.19
20	862	80.89	142.1		93.40
21	968	133.85	209.6		94.85
22	1,180	224.60	288.5		96.42
23	1,840	59.50	49.0		100.51
24	2,759	102.40	56.2		103.90
25	6,440	21.99	5.2		109.07

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 7 : +C2 H2R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	7,945	8.55	1.6		110.68
27	10,380	75.00	10.9	Upper Marker	113.00
28	12,815	0.00	0.0		115.32
29	15,251	0.00	0.0		117.63
30	16,157	0.00	0.0		118.49
31	18,762	0.00	0.0		120.97
32	23,066	0.00	0.0		125.06
33	25,501	0.00	0.0		127.38

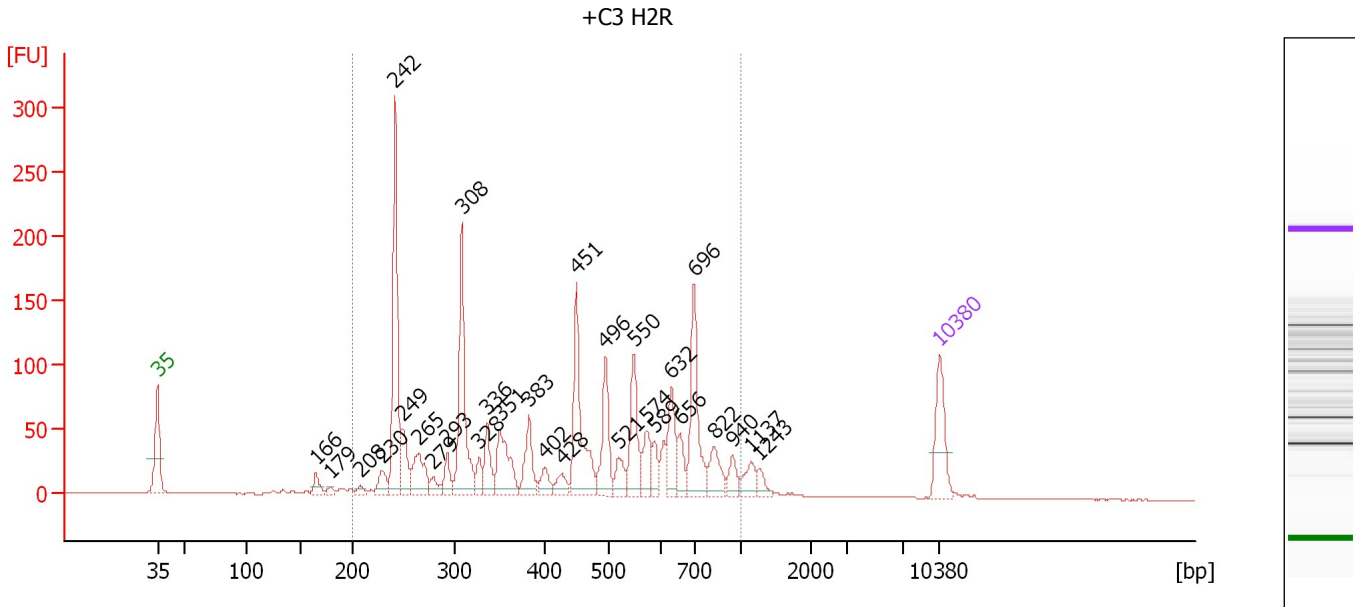
Region table for sample 7 : +C2 H2R

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	631	1,217.33	1,556.1	3,305.6	63	27.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : +C3 H2R

Number of peaks found: 29 Corr. Area 1: 1,668.3
 Noise: 0.3

Peak table for sample 8 : +C3 H2R

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	166	26.34	241.0		57.18
3	179	8.69	73.3		58.49
4	208	10.95	79.8		61.15
5	230	34.74	228.9		63.16
6	242	315.34	1,971.5		64.30
7	249	67.66	411.0		64.96
8	265	80.58	460.9		66.37
9	279	21.16	114.9		67.67
10	293	34.64	179.3		68.92
11	308	234.00	1,151.4		70.23
12	328	27.67	128.0		71.80
13	336	57.18	257.5		72.51
14	351	106.20	458.9		73.65
15	383	70.34	278.1		76.26
16	402	29.38	110.7		77.73
17	428	25.79	91.4		79.20
18	451	183.30	616.4		80.50
19	496	99.63	304.3		83.11
20	521	38.16	111.1		84.30
21	550	99.31	273.8		85.66
22	574	50.83	134.2		86.80
23	589	30.90	79.5		87.51
24	632	72.80	174.5		89.03
25	656	37.98	87.7		89.79

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : +C3 H2R

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	696	148.38	322.8		91.04
27	822	50.71	93.5		92.84
28	940	27.17	43.8		94.47
29	1,137	30.45	40.6		96.15
30	1,243	16.48	20.1		96.80
31	10,380	75.00	10.9	Upper Marker	113.00

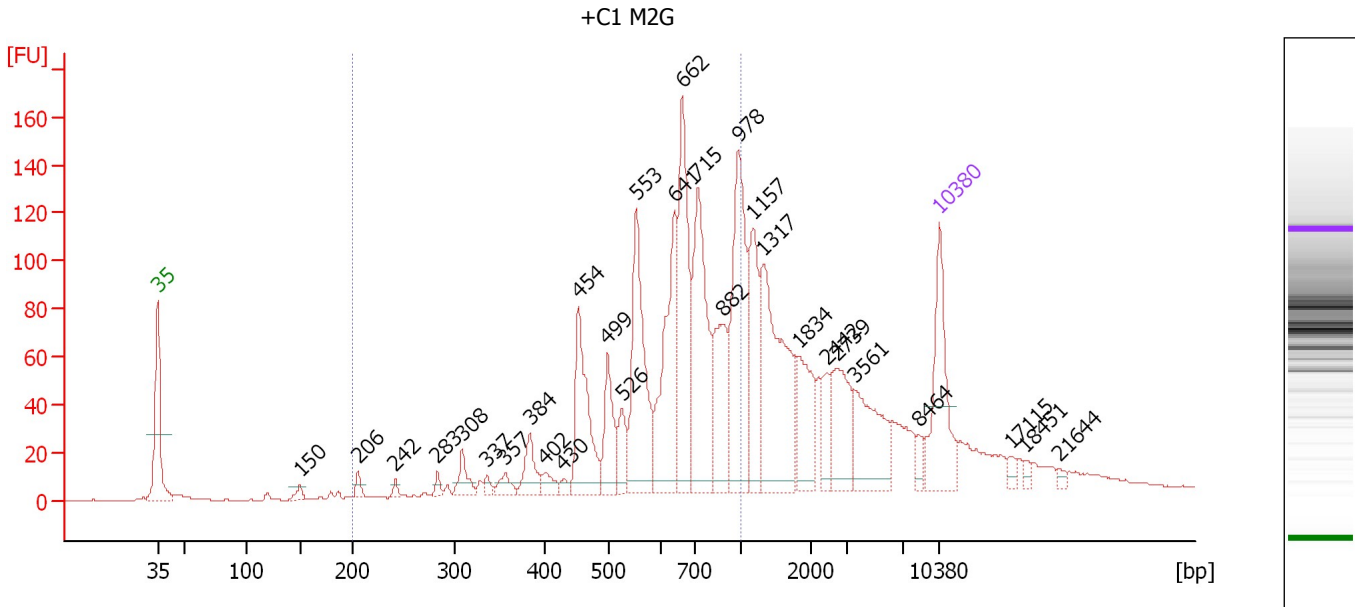
Region table for sample 8 : +C3 H2R

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	464	2,007.89	1,668.3	8,258.8	93	39.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : +C1 M2G

Number of peaks found: 29 Corr. Area 1: 1,373.3
 Noise: 0.4

Peak table for sample 9 : +C1 M2G

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	8.11	81.7		55.75
3	206	8.79	64.8		60.94
4	242	5.05	31.6		64.31
5	283	6.91	37.0		68.06
6	308	22.01	108.1		70.27
7	337	6.50	29.2		72.53
8	357	13.53	57.5		74.14
9	384	29.68	117.0		76.34
10	402	12.17	45.9		77.72
11	430	5.79	20.4		79.32
12	454	101.56	338.8		80.71
13	499	53.41	162.0		83.30
14	526	28.49	82.0		84.57
15	553	139.44	381.9		85.84
16	641	128.01	302.6		89.32
17	662	149.05	341.0		89.98
18	715	153.35	325.1		91.36
19	882	80.83	138.8		93.68
20	978	147.85	229.0		95.00
21	1,157	77.16	101.1		96.27
22	1,317	154.63	177.9		97.27
23	1,834	55.00	45.4		100.47
24	2,442	22.95	14.2		102.90
25	2,739	58.07	32.1		103.84

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 9 : +C1 M2G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	3,561	67.67	28.8		105.38
27	8,464	9.18	1.6		111.18
28	10,380	75.00	10.9	Upper Marker	113.00
29	17,115	0.00	0.0		119.40
30	18,451	0.00	0.0		120.67
31	21,644	0.00	0.0		123.71

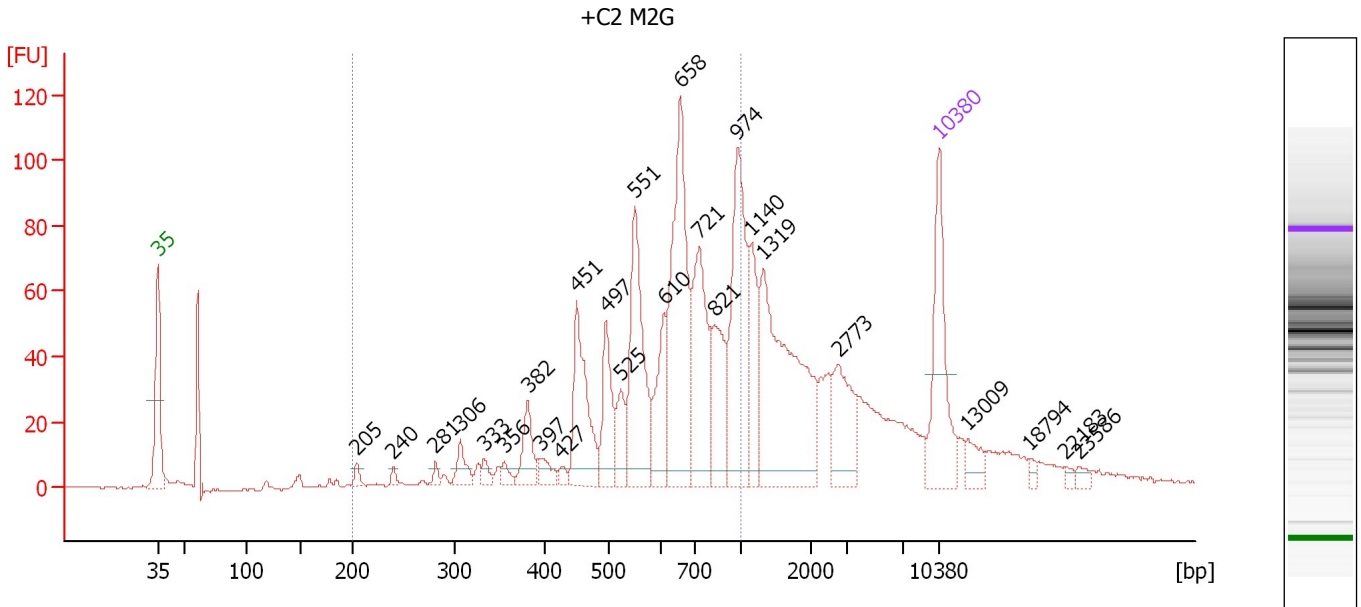
Region table for sample 9 : +C1 M2G

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	643	1,118.62	1,373.3	3,027.5	55	27.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : +C2 M2G

Number of peaks found: 25 Corr. Area 1: 1,017.5
 Noise: 0.3

Peak table for sample 10 : +C2 M2G

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	205	7.22	53.5		60.83
3	240	4.41	27.8		64.11
4	281	5.73	30.9		67.89
5	306	18.58	91.9		70.11
6	333	8.41	38.3		72.22
7	356	7.67	32.7		74.06
8	382	31.34	124.3		76.17
9	397	13.83	52.8		77.39
10	427	5.54	19.6		79.17
11	451	88.33	297.0		80.50
12	497	52.53	160.1		83.17
13	525	27.42	79.2		84.50
14	551	118.00	324.6		85.72
15	610	51.04	126.9		88.33
16	658	174.48	402.0		89.83
17	721	103.48	217.5		91.44
18	821	60.19	111.0		92.83
19	974	126.19	196.3		94.94
20	1,140	49.53	65.9		96.17
21	1,319	179.79	206.5		97.28
22	2,773	50.75	27.7		103.94
23	10,380	75.00	10.9	Upper Marker	113.00
24	13,009	0.00	0.0		115.50
25	18,794	0.00	0.0		121.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Electropherogram Summary Continued ...**... Peak table for sample 10 : +C2 M2G**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	22,183	0.00	0.0		124.22
27	23,586	0.00	0.0		125.56

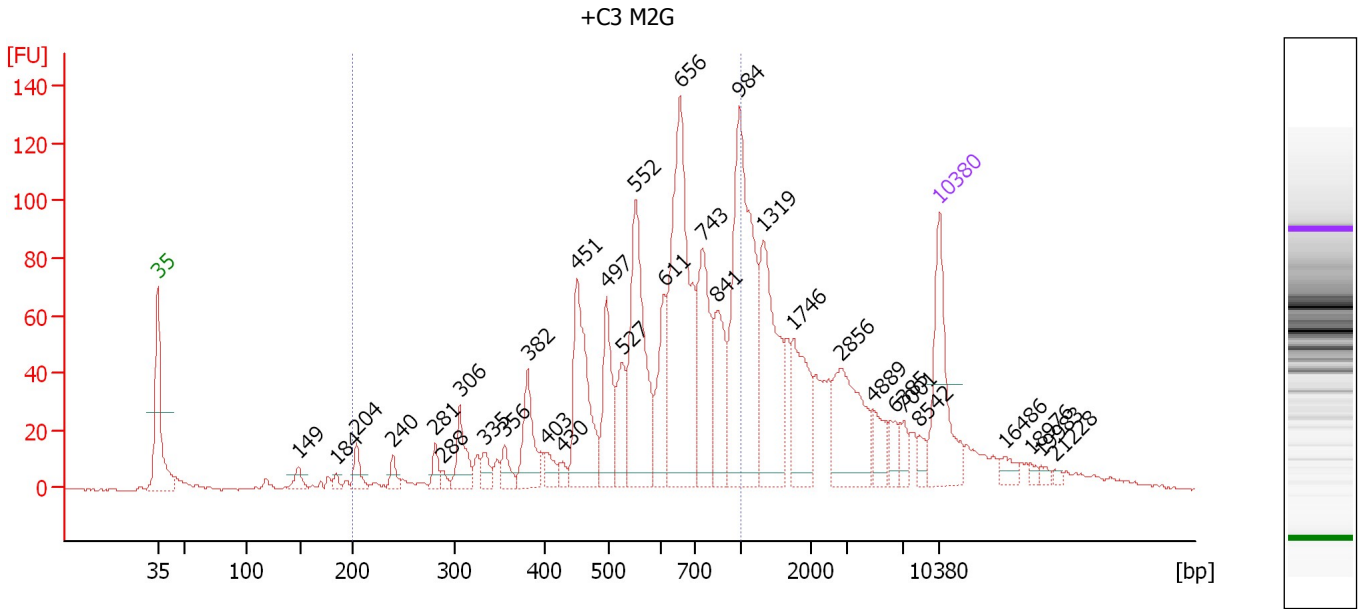
Region table for sample 10 : +C2 M2G

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	631	929.41	1,017.5	2,572.9	 56	28.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : +C3 M2G

Number of peaks found: 32 Corr. Area 1: 1,359.4
 Noise: 0.4

Peak table for sample 11 : +C3 M2G

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	13.90	141.3		55.62
3	184	5.73	47.1		58.95
4	204	19.63	145.6		60.81
5	240	12.66	79.9		64.08
6	281	14.41	77.7		67.86
7	288	5.14	27.0		68.53
8	306	39.23	194.4		70.05
9	335	13.79	62.4		72.36
10	356	17.34	73.9		74.05
11	382	54.68	217.0		76.14
12	403	15.56	58.5		77.77
13	430	8.50	30.0		79.30
14	451	122.97	412.9		80.54
15	497	69.59	212.0		83.19
16	527	41.45	119.2		84.59
17	552	156.70	430.1		85.78
18	611	59.09	146.6		88.37
19	656	239.99	554.4		89.78
20	743	100.36	204.6		91.75
21	841	67.51	121.6		93.10
22	984	221.78	341.6		95.08
23	1,319	115.93	133.2		97.28
24	1,746	63.95	55.5		99.92
25	2,856	82.10	43.6		104.21

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : +C3 M2G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,889	20.64	6.4		107.08
27	6,385	14.95	3.5		109.00
28	7,001	11.59	2.5		109.79
29	8,542	8.38	1.5		111.25
30	10,380	75.00	10.9	Upper Marker	113.00
31	16,486	0.00	0.0		118.81
32	18,976	0.00	0.0		121.17
33	19,983	0.00	0.0		122.13
34	21,228	0.00	0.0		123.31

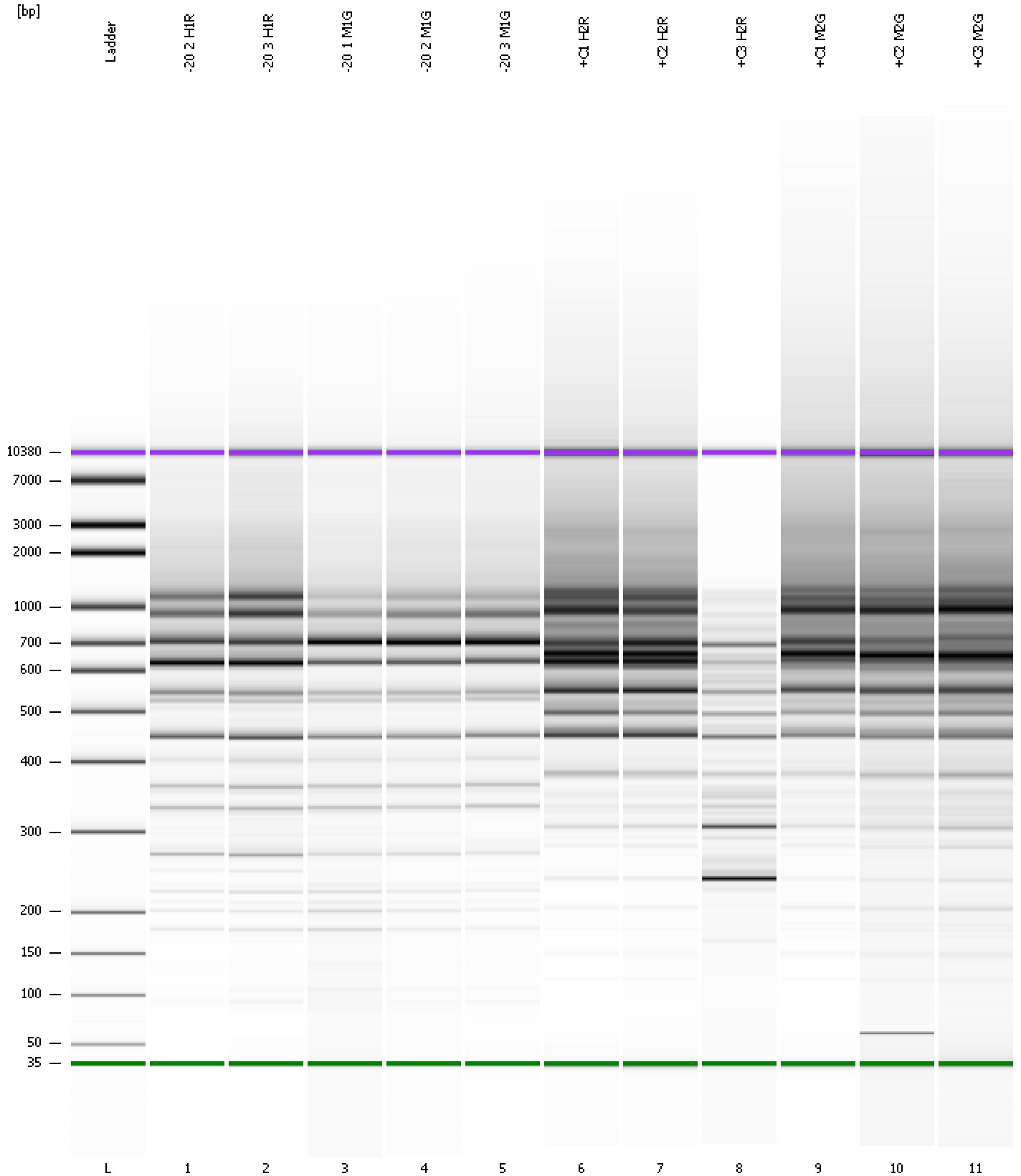
Region table for sample 11 : +C3 M2G

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	610	1,270.12	1,359.4	3,744.5	58	31.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_002.xad

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Curves

Standard Curve

