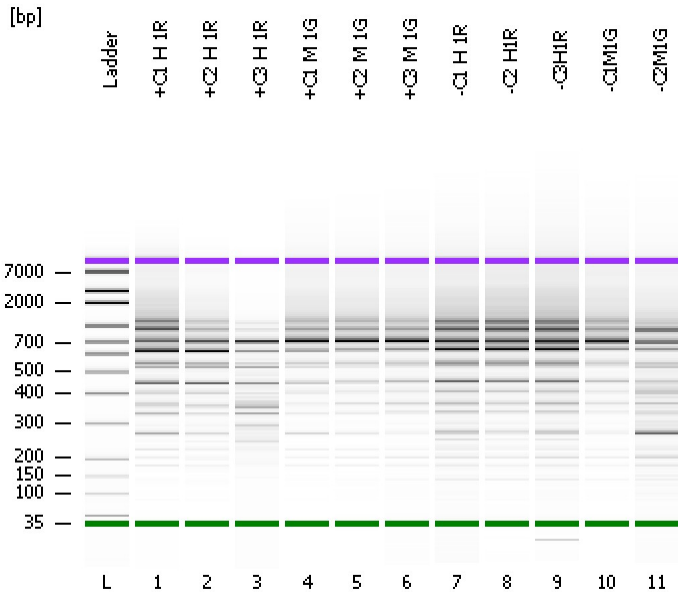


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
Modified: 4/12/2018 4:03:09 PM

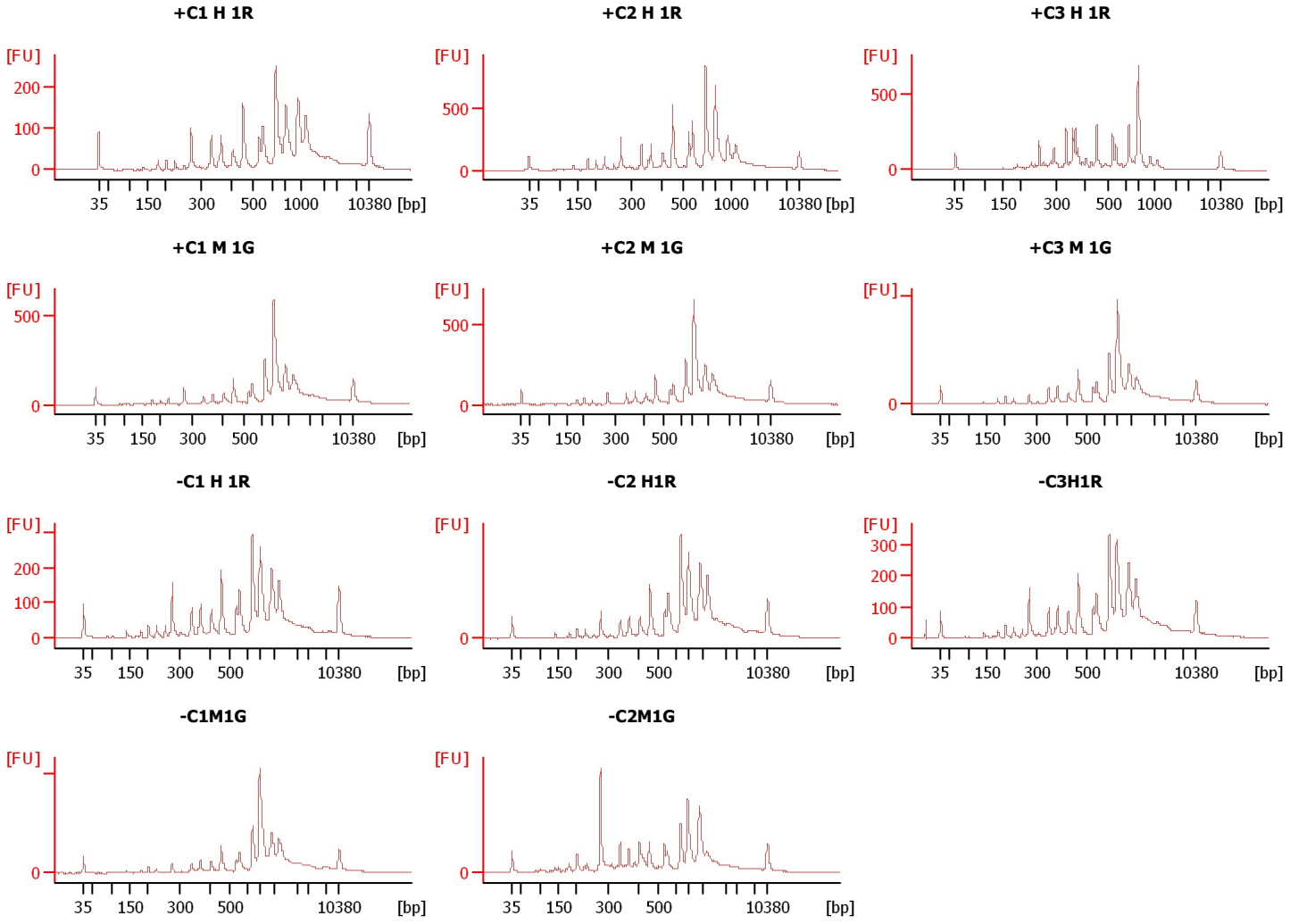
Electrophoresis File Run Summary



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\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
+C1 H 1R		<input type="checkbox"/>	✓			
+C2 H 1R		<input type="checkbox"/>	✓			
+C3 H 1R		<input type="checkbox"/>	✓			
+C1 M 1G		<input type="checkbox"/>	✓			
+C2 M 1G		<input type="checkbox"/>	✓			
+C3 M 1G		<input type="checkbox"/>	✓			
-C1 H 1R		<input type="checkbox"/>	✓			
-C2 H1R		<input type="checkbox"/>	✓			
-C3H1R		<input type="checkbox"/>	✓			
-C1M1G		<input type="checkbox"/>	✓			
-C2M1G		<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\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
Modified: 4/12/2018 4:03:09 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

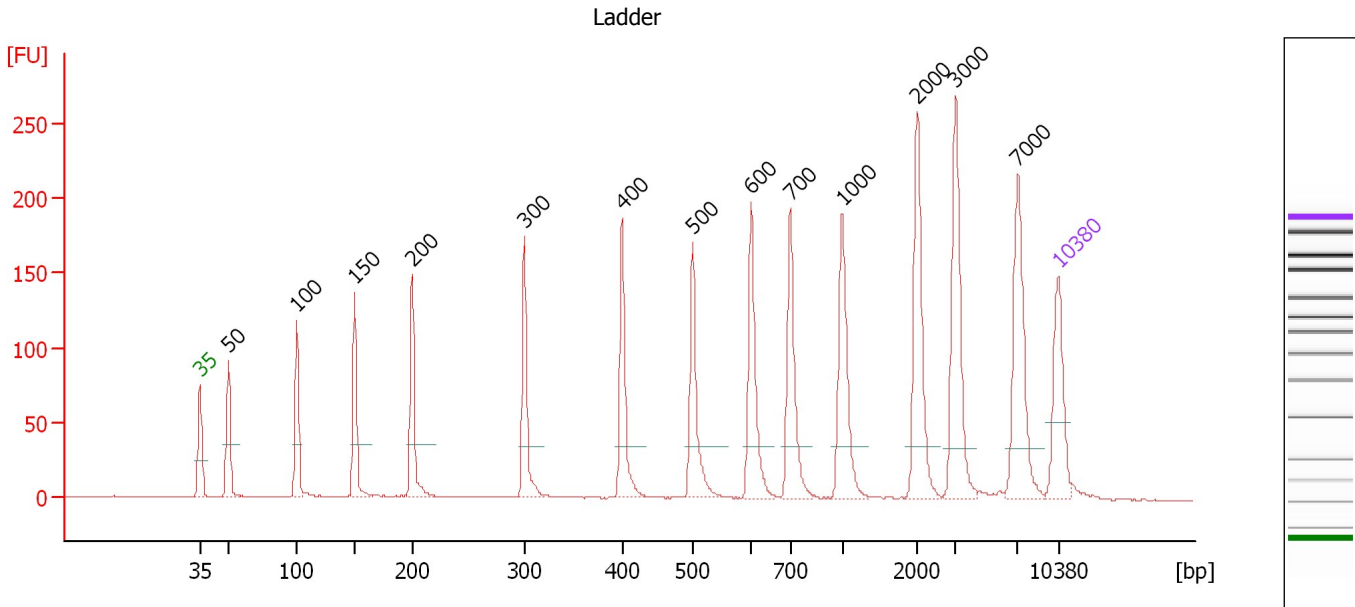
Ladder

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\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

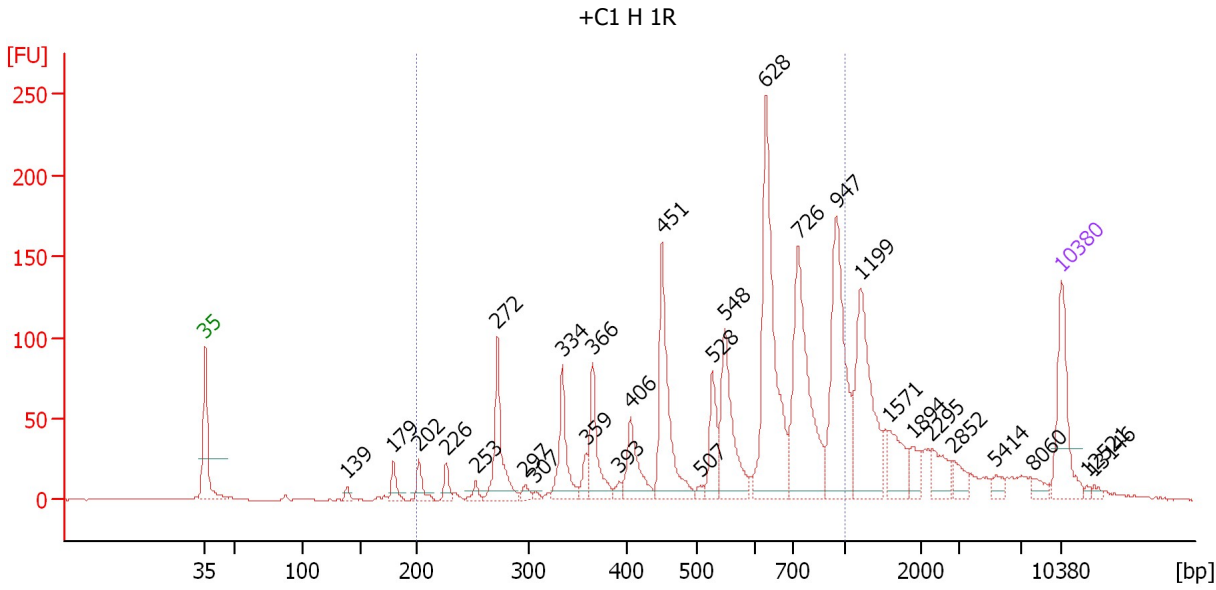
Peak table for Ladder

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	45.35
3	100	150.00	2,272.7	Ladder Peak	50.91
4	150	150.00	1,515.2	Ladder Peak	55.65
5	200	150.00	1,136.4	Ladder Peak	60.30
6	300	150.00	757.6	Ladder Peak	69.48
7	400	150.00	568.2	Ladder Peak	77.43
8	500	150.00	454.5	Ladder Peak	83.17
9	600	150.00	378.8	Ladder Peak	87.96
10	700	150.00	324.7	Ladder Peak	91.13
11	1,000	150.00	227.3	Ladder Peak	95.39
12	2,000	150.00	113.6	Ladder Peak	101.48
13	3,000	150.00	75.8	Ladder Peak	104.61
14	7,000	150.00	32.5	Ladder Peak	109.70
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : +C1 H 1R

Number of peaks found: 29 Corr. Area 1: 1,621.0
 Noise: 0.3

Peak table for sample 1 : +C1 H 1R

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	139	8.09	88.2		54.60
3	179	23.94	202.1		58.40
4	202	25.76	193.2		60.49
5	226	18.23	122.1		62.71
6	253	10.61	63.6		65.16
7	272	106.83	595.3		66.90
8	297	9.71	49.6		69.17
9	307	4.71	23.3		70.00
10	334	80.70	365.6		72.22
11	359	18.69	79.0		74.14
12	366	77.74	322.1		74.71
13	393	7.95	30.7		76.84
14	406	65.15	242.9		77.80
15	451	156.61	525.8		80.38
16	507	6.64	19.8		83.52
17	528	56.43	161.9		84.52
18	548	117.21	324.0		85.48
19	628	261.42	631.0		88.84
20	726	217.86	454.7		91.50
21	947	187.67	300.3		94.64
22	1,199	150.64	190.4		96.60
23	1,571	45.00	43.4		98.87
24	1,894	22.89	18.3		100.83
25	2,295	30.32	20.0		102.40

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : +C1 H 1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,852	18.01	9.6		104.15
27	5,414	10.53	2.9		107.68
28	8,060	9.98	1.9		110.73
29	10,380	75.00	10.9	Upper Marker	113.00
30	12,521	0.00	0.0		115.09
31	13,146	0.00	0.0		115.70

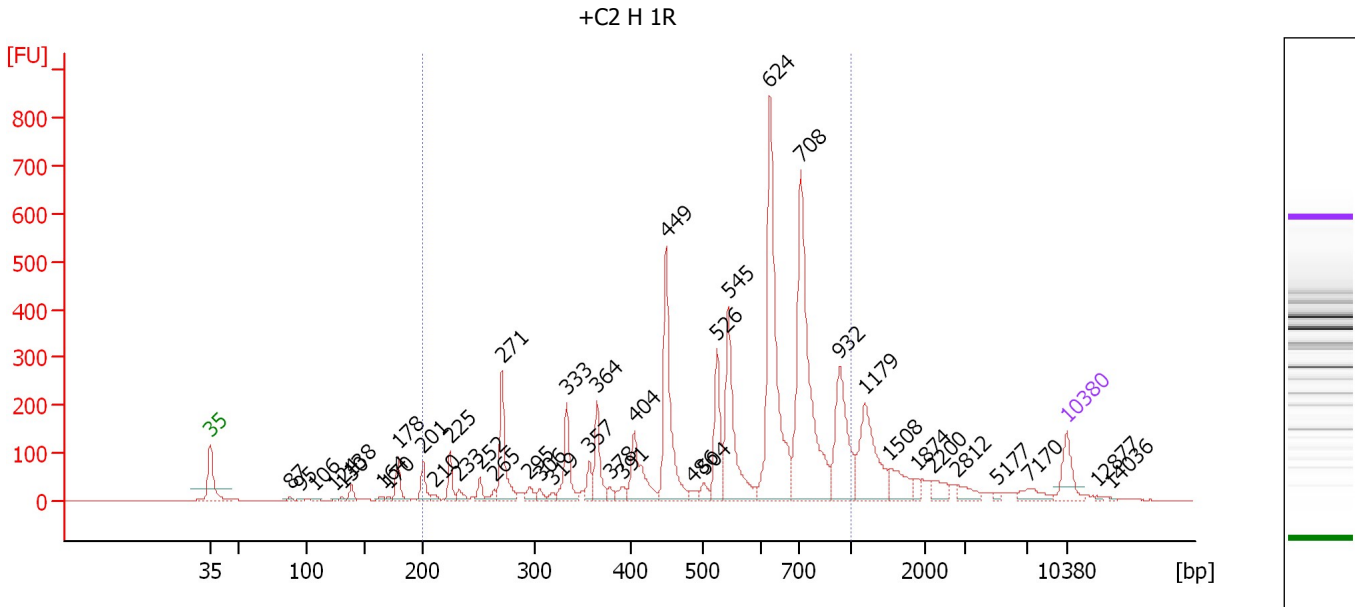
Region table for sample 1 : +C1 H 1R

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	602	1,391.29	1,621.0	4,340.7	72	34.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : +C2 H 1R

Number of peaks found: 42 Corr. Area 1: 4,326.6
 Noise: 0.4

Peak table for sample 2 : +C2 H 1R

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	87	10.51	182.4		49.49
3	95	6.87	109.5		50.37
4	106	10.22	145.8		51.50
5	124	4.93	60.2		53.20
6	130	7.68	89.4		53.77
7	138	30.89	339.3		54.51
8	164	11.89	109.6		56.99
9	170	8.22	73.3		57.51
10	178	82.78	702.8		58.30
11	201	70.74	533.4		60.39
12	210	13.18	94.9		61.26
13	225	70.23	472.6		62.61
14	233	26.33	171.0		63.35
15	252	32.23	193.9		65.05
16	265	20.27	116.1		66.23
17	271	202.91	1,133.3		66.84
18	295	28.23	144.8		69.06
19	306	21.24	105.3		69.94
20	319	13.70	65.1		70.98
21	333	146.63	666.9		72.12
22	357	47.44	201.5		73.99
23	364	130.65	543.3		74.60
24	378	15.90	63.8		75.65
25	391	28.23	109.4		76.74

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : +C2 H 1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	404	165.52	621.1		77.65
27	449	365.02	1,232.9		80.22
28	486	18.05	56.3		82.36
29	504	29.35	88.3		83.36
30	526	173.29	499.4		84.41
31	545	320.16	890.2		85.32
32	624	644.99	1,565.8		88.72
33	708	699.65	1,496.3		91.25
34	932	262.33	426.3		94.43
35	1,179	231.36	297.3		96.48
36	1,508	80.06	80.4		98.49
37	1,874	16.78	13.6		100.71
38	2,200	36.14	24.9		102.10
39	2,812	31.80	17.1		104.02
40	5,177	6.71	2.0		107.38
41	7,170	33.67	7.1		109.86
42	10,380	75.00	10.9	Upper Marker	113.00
43	12,877	0.00	0.0		115.44
44	14,036	0.00	0.0		116.57

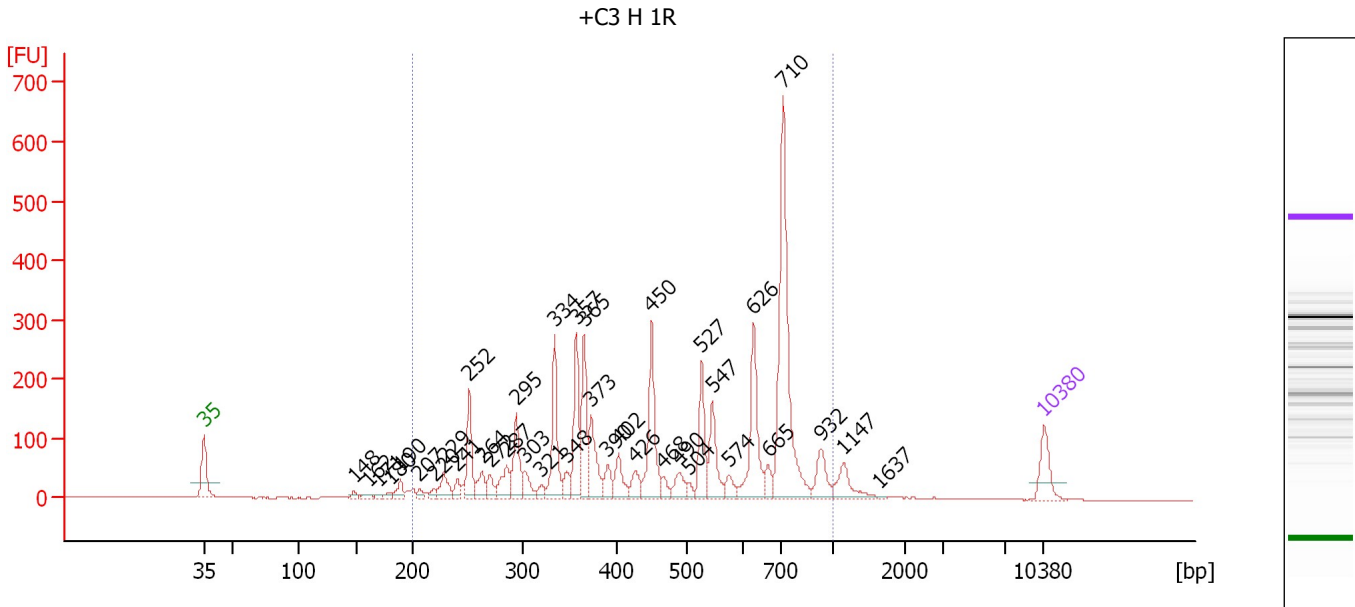
Region table for sample 2 : +C2 H 1R

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	583	3,502.52	4,326.6	11,174.1	81	32.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : +C3 H 1R

Number of peaks found: 37 Corr. Area 1: 3,230.8
 Noise: 0.4

Peak table for sample 3 : +C3 H 1R

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	148	15.09	154.2		55.49
3	162	12.69	118.6		56.78
4	171	8.36	74.2		57.58
5	180	14.07	118.3		58.47
6	190	41.98	335.1		59.36
7	207	17.66	129.2		60.96
8	220	16.89	116.2		62.16
9	229	73.45	485.2		63.00
10	241	32.41	203.4		64.11
11	252	155.10	932.0		65.09
12	264	62.57	358.7		66.20
13	272	43.00	240.0		66.87
14	287	85.45	451.8		68.24
15	295	140.15	719.2		69.04
16	303	58.22	290.7		69.76
17	321	24.25	114.5		71.13
18	334	219.58	995.5		72.20
19	348	43.25	188.5		73.27
20	357	193.71	821.9		74.02
21	365	184.39	764.4		74.69
22	373	141.53	575.3		75.27
23	390	50.67	196.8		76.64
24	402	75.68	285.4		77.53
25	426	49.57	176.4		78.91

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : +C3 H 1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	450	241.23	812.7		80.29
27	468	29.04	94.1		81.31
28	490	52.07	161.0		82.60
29	504	21.41	64.4		83.36
30	527	150.13	431.6		84.47
31	547	131.10	363.4		85.40
32	574	38.19	100.7		86.73
33	626	232.59	563.1		88.78
34	665	38.58	87.9		90.02
35	710	629.18	1,343.4		91.27
36	932	81.24	132.1		94.42
37	1,147	77.88	102.8		96.29
38	1,637	3.59	3.3		99.27
39	10,380	75.00	10.9	Upper Marker	113.00

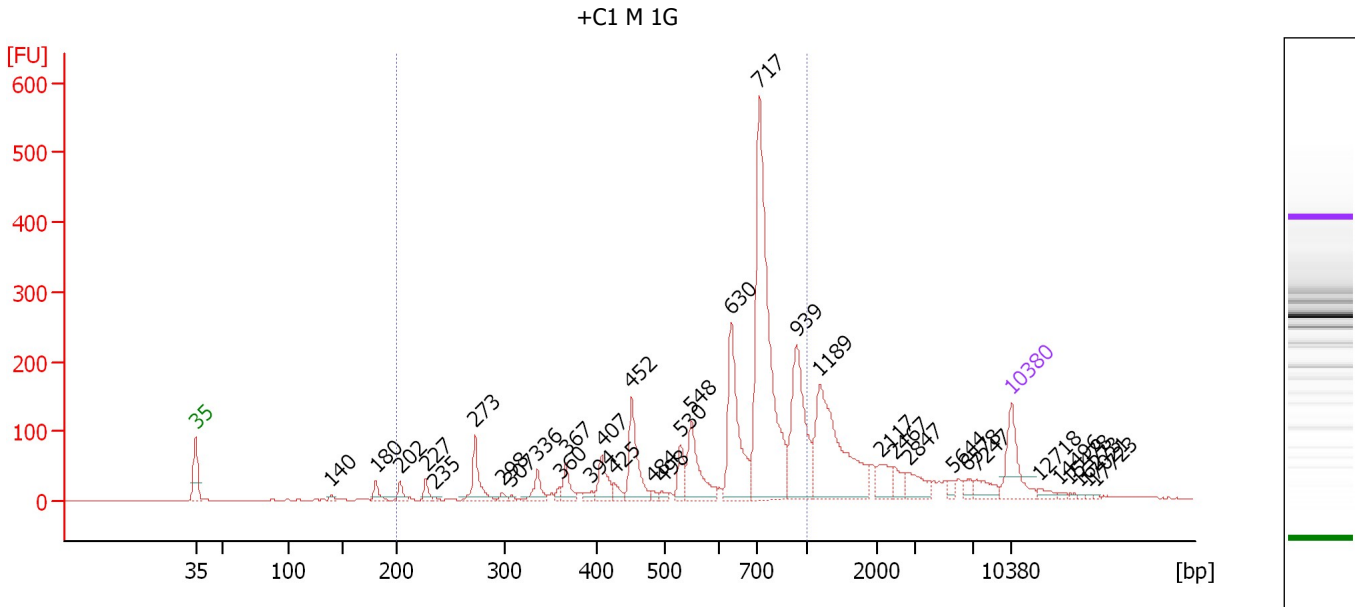
Region table for sample 3 : +C3 H 1R

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	509	3,359.78	3,230.8	12,329.0	93	36.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : +C1 M 1G

Number of peaks found: 35 Corr. Area 1: 2,204.8
 Noise: 0.5

Peak table for sample 4 : +C1 M 1G

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	140	8.67	94.2		54.66
3	180	27.24	229.2		58.45
4	202	24.13	180.8		60.51
5	227	21.28	142.2		62.75
6	235	4.65	30.0		63.48
7	273	80.69	447.8		67.00
8	298	8.53	43.4		69.29
9	307	4.54	22.4		70.07
10	336	37.21	168.0		72.31
11	360	9.36	39.4		74.23
12	367	36.70	151.7		74.78
13	394	11.19	43.0		76.97
14	407	53.06	197.5		77.84
15	425	18.45	65.7		78.89
16	452	111.46	373.9		80.40
17	484	7.68	24.1		82.23
18	498	8.02	24.4		83.05
19	530	43.26	123.7		84.61
20	548	109.82	303.6		85.48
21	630	206.20	496.0		88.90
22	717	590.67	1,248.0		91.37
23	939	204.85	330.5		94.53
24	1,189	281.32	358.6		96.54
25	2,117	38.00	27.2		101.84

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : +C1 M 1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,467	25.86	15.9		102.94
27	2,847	38.48	20.5		104.13
28	5,644	9.74	2.6		107.97
29	6,578	14.74	3.4		109.16
30	7,247	26.90	5.6		109.94
31	10,380	75.00	10.9	Upper Marker	113.00
32	12,718	0.00	0.0		115.29
33	14,496	0.00	0.0		117.02
34	15,478	0.00	0.0		117.98
35	16,273	0.00	0.0		118.76
36	17,021	0.00	0.0		119.49
37	17,723	0.00	0.0		120.18

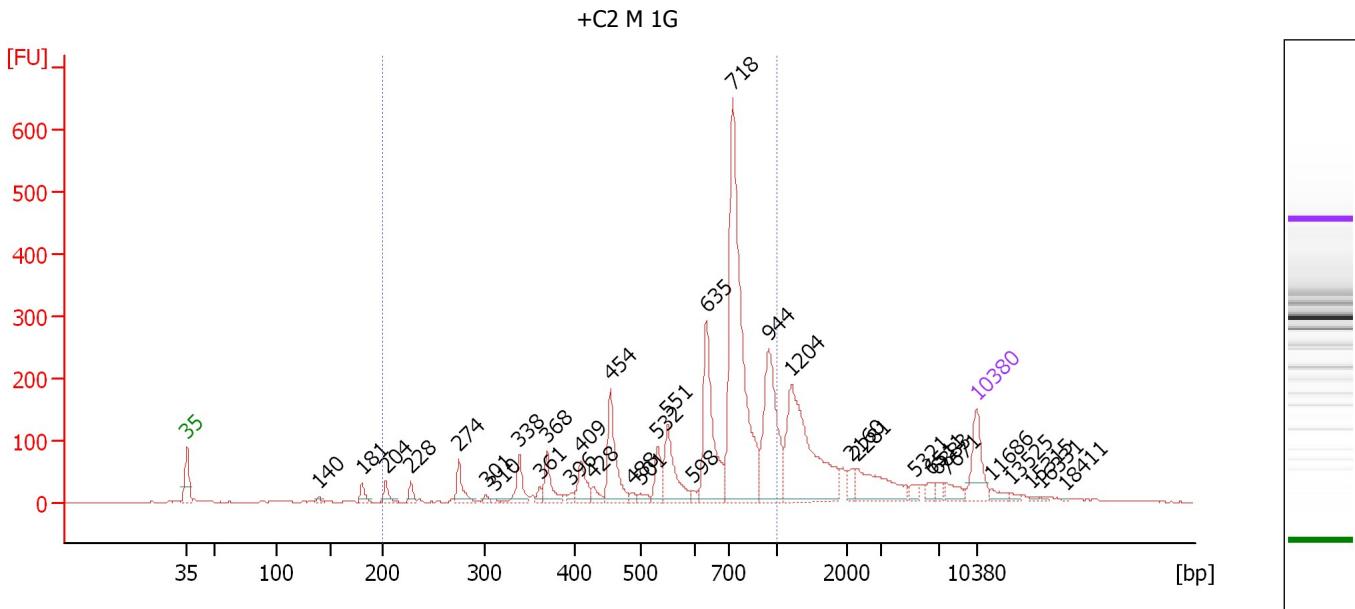
Region table for sample 4 : +C1 M 1G

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	660	1,561.93	2,204.8	4,303.2	69	28.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : +C2 M 1G

Number of peaks found: 34 Corr. Area 1: 2,422.4
 Noise: 0.9

Peak table for sample 5 : +C2 M 1G

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	140	7.60	82.4		54.68
3	181	25.52	213.9		58.51
4	204	27.71	206.1		60.64
5	228	20.45	135.9		62.86
6	274	52.51	290.0		67.12
7	301	7.51	37.8		69.53
8	310	3.57	17.5		70.24
9	338	54.19	243.3		72.47
10	361	12.50	52.5		74.31
11	368	60.87	250.3		74.93
12	396	8.19	31.4		77.10
13	409	56.94	210.9		77.95
14	428	18.08	64.0		79.04
15	454	135.38	451.5		80.55
16	488	8.09	25.1		82.49
17	501	12.35	37.4		83.20
18	532	50.06	142.5		84.72
19	551	113.12	311.0		85.61
20	598	8.18	20.7		87.84
21	635	229.07	546.6		89.07
22	718	653.11	1,378.4		91.39
23	944	234.19	375.7		94.60
24	1,204	321.53	404.5		96.64
25	2,160	22.12	15.5		101.98

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : +C2 M 1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,281	98.03	65.1		102.36
27	5,321	13.22	3.8		107.56
28	6,511	13.66	3.2		109.07
29	6,883	12.22	2.7		109.55
30	7,671	23.72	4.7		110.35
31	10,380	75.00	10.9	Upper Marker	113.00
32	11,686	0.00	0.0		114.28
33	13,525	0.00	0.0		116.07
34	15,315	0.00	0.0		117.82
35	16,331	0.00	0.0		118.82
36	18,411	0.00	0.0		120.85

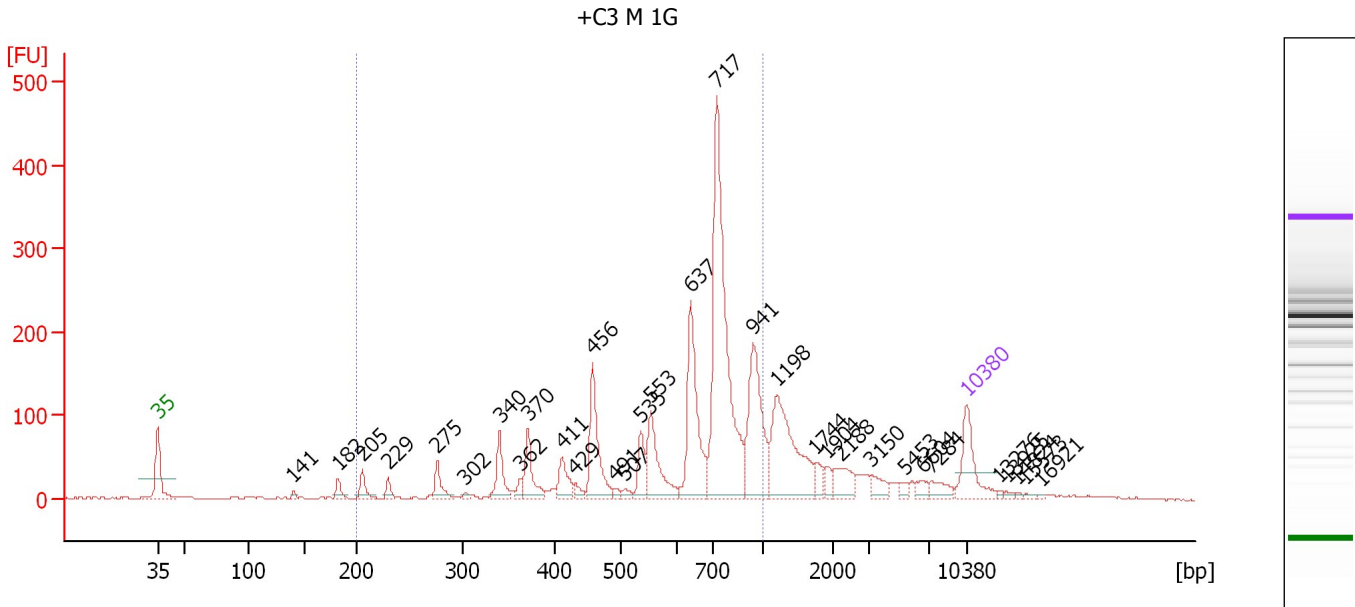
Region table for sample 5 : +C2 M 1G

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	662	1,748.31	2,422.4	4,752.0	68	28.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
 Modified: 4/12/2018 4:03:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : +C3 M 1G

Number of peaks found: 32 Corr. Area 1: 1,975.0
 Noise: 0.7

Peak table for sample 6 : +C3 M 1G

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	141	7.76	83.6		54.76
3	182	23.48	195.6		58.62
4	205	34.05	252.2		60.72
5	229	19.23	127.2		62.97
6	275	42.23	232.4		67.21
7	302	6.60	33.2		69.60
8	340	66.37	296.1		72.63
9	362	14.74	61.8		74.39
10	370	71.71	293.4		75.07
11	411	51.41	189.7		78.05
12	429	15.14	53.4		79.12
13	456	142.29	473.0		80.64
14	491	9.10	28.1		82.64
15	507	10.74	32.1		83.52
16	535	52.73	149.4		84.83
17	553	115.46	316.3		85.71
18	637	213.64	508.2		89.13
19	717	567.66	1,199.2		91.38
20	941	202.37	326.0		94.55
21	1,198	219.52	277.6		96.60
22	1,744	22.85	19.9		99.92
23	1,904	17.71	14.1		100.89
24	2,188	43.21	29.9		102.07
25	3,150	23.51	11.3		104.80

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

Created: 4/12/2018 3:21:47 PM
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Electropherogram Summary Continued ...

... Peak table for sample 6 : +C3 M 1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	5,453	10.38	2.9		107.73
27	6,604	14.34	3.3		109.19
28	7,284	23.41	4.9		109.97
29	10,380	75.00	10.9	Upper Marker	113.00
30	13,276	0.00	0.0		115.83
31	13,925	0.00	0.0		116.47
32	14,824	0.00	0.0		117.34
33	15,573	0.00	0.0		118.08
34	16,921	0.00	0.0		119.39

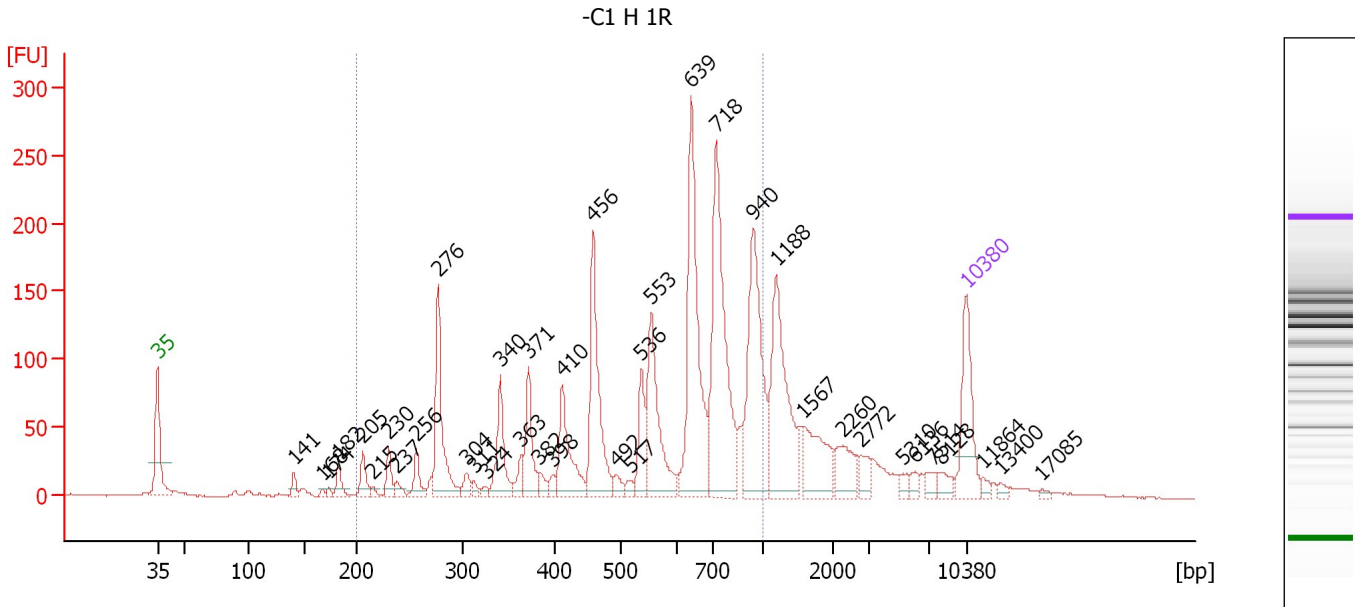
Region table for sample 6 : +C3 M 1G

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	649	1,635.73	1,975.0	4,565.3	71	29.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : -C1 H 1R

Number of peaks found: 38 Corr. Area 1: 2,103.9
 Noise: 0.6

Peak table for sample 7 : -C1 H 1R

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	141	14.47	155.3		54.81
3	168	4.12	37.2		57.31
4	174	5.10	44.5		57.86
5	182	21.31	177.1		58.66
6	205	28.90	213.6		60.76
7	215	5.41	38.1		61.66
8	230	25.73	169.8		63.01
9	237	11.66	74.5		63.71
10	256	28.94	171.5		65.42
11	276	132.09	725.4		67.27
12	304	14.98	74.8		69.77
13	311	7.18	34.9		70.37
14	324	6.53	30.5		71.42
15	340	72.95	325.0		72.67
16	363	20.04	83.7		74.47
17	371	64.13	261.9		75.12
18	382	13.06	51.7		76.02
19	398	10.63	40.5		77.27
20	410	87.01	321.3		78.03
21	456	156.24	518.6		80.68
22	492	12.86	39.6		82.73
23	517	8.36	24.5		83.98
24	536	52.81	149.4		84.88
25	553	129.95	355.8		85.73

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 7 : -C1 H 1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	639	243.33	577.3		89.18
27	718	269.60	569.0		91.38
28	940	191.69	309.0		94.54
29	1,188	162.20	206.8		96.54
30	1,567	74.33	71.9		98.84
31	2,260	40.15	26.9		102.29
32	2,772	17.78	9.7		103.89
33	5,310	7.29	2.1		107.55
34	6,136	8.60	2.1		108.60
35	7,514	10.62	2.1		110.20
36	8,128	12.94	2.4		110.80
37	10,380	75.00	10.9	Upper Marker	113.00
38	11,864	0.00	0.0		114.45
39	13,400	0.00	0.0		115.95
40	17,085	0.00	0.0		119.55

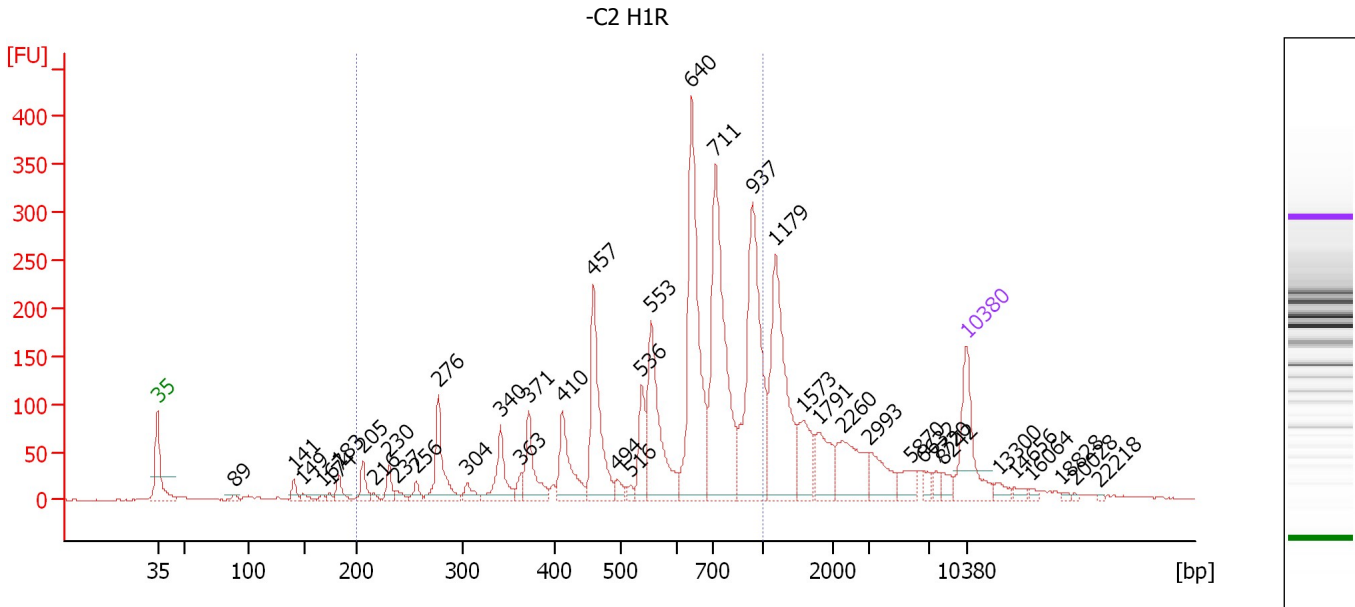
Region table for sample 7 : -C1 H 1R

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	595	1,587.16	2,103.9	5,082.8	71	34.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : -C2 H1R

Number of peaks found: 40 Corr. Area 1: 2,679.6
 Noise: 0.3

Peak table for sample 8 : -C2 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	89	6.25	106.5		49.68
3	141	16.63	178.3		54.83
4	149	8.18	83.0		55.59
5	167	4.57	41.4		57.28
6	174	4.86	42.4		57.89
7	183	20.53	170.1		58.70
8	205	28.27	208.6		60.79
9	216	5.08	35.7		61.76
10	230	21.50	141.8		63.04
11	237	9.16	58.5		63.70
12	256	13.45	79.6		65.43
13	276	87.76	481.0		67.32
14	304	16.52	82.2		69.82
15	340	60.13	267.9		72.67
16	363	13.27	55.4		74.51
17	371	67.82	277.1		75.12
18	410	80.60	297.7		78.03
19	457	150.73	499.3		80.73
20	494	13.03	40.0		82.82
21	516	7.34	21.6		83.94
22	536	53.16	150.2		84.91
23	553	156.29	428.0		85.72
24	640	286.67	678.1		89.24
25	711	303.22	646.5		91.28

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : -C2 H1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	937	256.61	415.1		94.49
27	1,179	200.32	257.4		96.48
28	1,573	56.23	54.2		98.88
29	1,791	52.28	44.2		100.20
30	2,260	72.40	48.5		102.29
31	2,993	41.52	21.0		104.59
32	5,870	24.03	6.2		108.26
33	6,632	10.49	2.4		109.23
34	7,720	8.86	1.7		110.40
35	8,242	13.18	2.4		110.91
36	10,380	75.00	10.9	Upper Marker	113.00
37	13,300	0.00	0.0		115.86
38	14,656	0.00	0.0		117.18
39	16,064	0.00	0.0		118.56
40	18,828	0.00	0.0		121.26
41	20,028	0.00	0.0		122.43
42	22,218	0.00	0.0		124.57

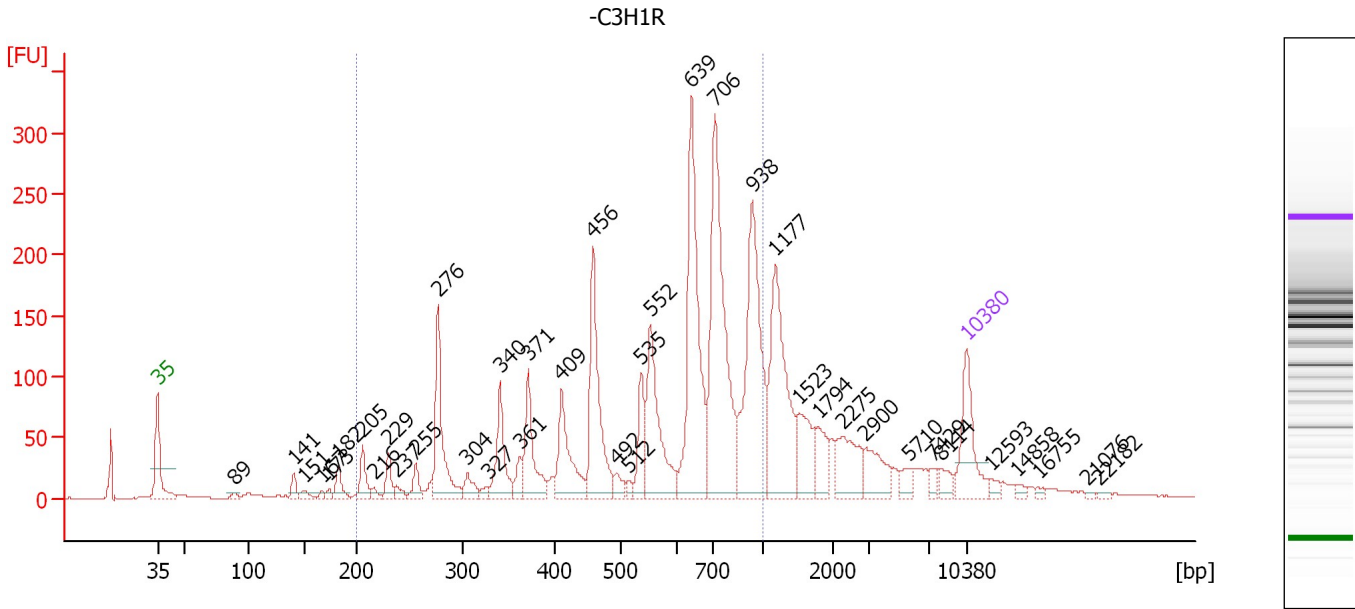
Region table for sample 8 : -C2 H1R

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	628	1,601.49	2,679.6	4,728.2	68	31.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : -C3H1R

Number of peaks found: 39 Corr. Area 1: 2,453.1
 Noise: 0.4

Peak table for sample 9 : -C3H1R

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	89	6.92	117.7		49.70
3	141	18.83	202.4		54.80
4	151	11.28	113.3		55.72
5	167	6.11	55.5		57.22
6	173	7.41	64.7		57.83
7	182	27.90	231.9		58.66
8	205	39.71	293.4		60.77
9	216	8.96	62.9		61.75
10	229	28.14	186.0		62.99
11	237	11.71	75.0		63.65
12	255	24.98	148.4		65.35
13	276	148.11	813.6		67.26
14	304	24.98	124.3		69.84
15	327	8.63	40.1		71.59
16	340	85.74	382.0		72.67
17	361	24.19	101.4		74.37
18	371	94.05	384.6		75.09
19	409	102.82	380.5		77.97
20	456	180.06	598.2		80.65
21	492	17.66	54.4		82.71
22	512	8.78	26.0		83.74
23	535	61.81	175.2		84.82
24	552	155.13	426.0		85.65
25	639	289.06	685.1		89.20

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 9 : -C3H1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	706	354.93	762.0		91.21
27	938	266.47	430.5		94.51
28	1,177	203.50	262.1		96.47
29	1,523	64.26	63.9		98.58
30	1,794	41.14	34.7		100.23
31	2,275	65.67	43.7		102.34
32	2,900	48.71	25.5		104.30
33	5,710	16.36	4.3		108.06
34	7,429	10.59	2.2		110.12
35	8,114	16.04	3.0		110.79
36	10,380	75.00	10.9	Upper Marker	113.00
37	12,593	0.00	0.0		115.16
38	14,858	0.00	0.0		117.38
39	16,755	0.00	0.0		119.23
40	21,076	0.00	0.0		123.46
41	22,182	0.00	0.0		124.54

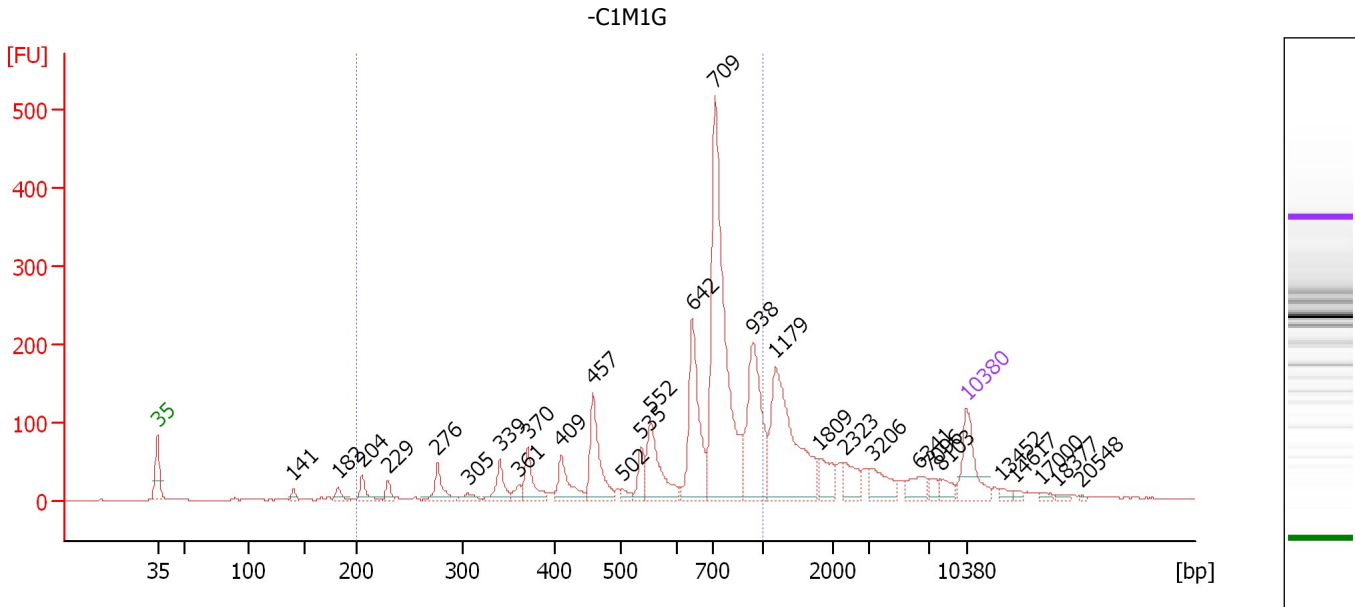
Region table for sample 9 : -C3H1R

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	604	1,905.71	2,453.1	5,998.6	69	34.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : -C1M1G

Number of peaks found: 29 Corr. Area 1: 2,052.8
 Noise: 0.4

Peak table for sample 10 : -C1M1G

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	141	13.09	141.1		54.75
3	182	17.66	147.4		58.58
4	204	31.59	234.2		60.71
5	229	18.71	123.9		62.93
6	276	49.03	269.6		67.23
7	305	13.09	65.0		69.87
8	339	48.38	216.0		72.62
9	361	16.22	68.1		74.32
10	370	63.16	258.6		75.05
11	409	65.62	243.1		77.95
12	457	123.04	408.1		80.69
13	502	10.58	31.9		83.28
14	535	39.02	110.6		84.83
15	552	118.04	324.0		85.66
16	642	194.85	459.9		89.29
17	709	559.08	1,195.2		91.25
18	938	208.78	337.1		94.52
19	1,179	273.73	351.6		96.48
20	1,809	44.11	36.9		100.32
21	2,323	38.63	25.2		102.49
22	3,206	43.18	20.4		104.87
23	6,341	32.43	7.7		108.86
24	7,096	13.33	2.8		109.79
25	8,103	16.81	3.1		110.77

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 10 : -C1M1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00
27	13,452	0.00	0.0		116.00
28	14,617	0.00	0.0		117.14
29	17,000	0.00	0.0		119.47
30	18,377	0.00	0.0		120.82
31	20,548	0.00	0.0		122.94

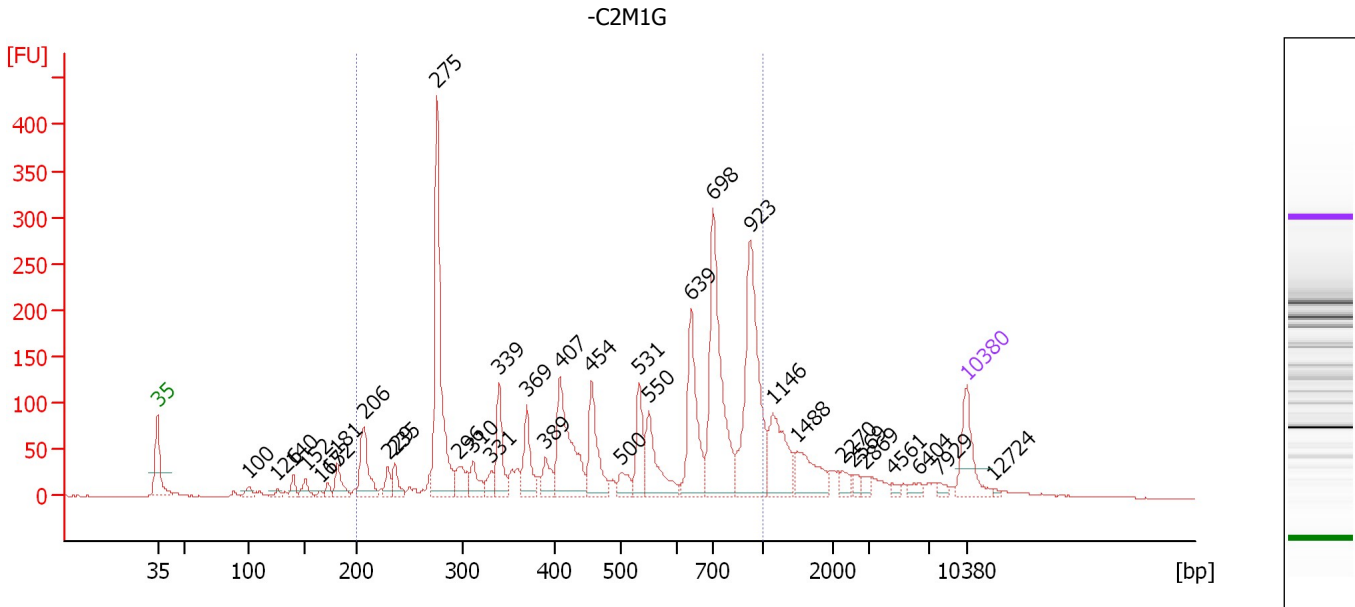
Region table for sample 10 : -C1M1G

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	657	1,545.07	2,052.8	4,254.2	66	28.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : -C2M1G

Number of peaks found: 34 Corr. Area 1: 2,625.9
 Noise: 0.5

Peak table for sample 11 : -C2M1G

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	100	15.75	238.6		50.92
3	126	8.58	103.3		53.36
4	140	22.24	240.4		54.72
5	152	23.31	232.8		55.81
6	165	5.76	52.8		57.06
7	172	13.54	118.9		57.74
8	181	45.27	378.2		58.57
9	206	108.85	800.2		60.86
10	229	27.28	180.6		62.95
11	235	33.94	218.8		63.52
12	275	393.48	2,165.0		67.22
13	296	52.03	266.0		69.15
14	310	42.79	209.0		70.29
15	331	24.43	112.0		71.91
16	339	91.60	409.4		72.58
17	369	79.70	327.1		74.98
18	389	41.82	162.7		76.59
19	407	195.63	728.1		77.84
20	454	117.17	390.8		80.55
21	500	31.13	94.4		83.16
22	531	81.46	232.3		84.67
23	550	104.78	288.8		85.55
24	639	170.36	403.9		89.20
25	698	320.66	695.9		91.07

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : -C2M1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	923	305.64	501.6		94.30
27	1,146	115.85	153.1		96.28
28	1,488	80.59	82.0		98.36
29	2,270	16.37	10.9		102.32
30	2,569	11.40	6.7		103.26
31	2,869	10.68	5.6		104.20
32	4,561	7.09	2.4		106.59
33	6,404	12.58	3.0		108.94
34	7,929	7.81	1.5		110.60
35	10,380	75.00	10.9	Upper Marker	113.00
36	12,724	0.00	0.0		115.29

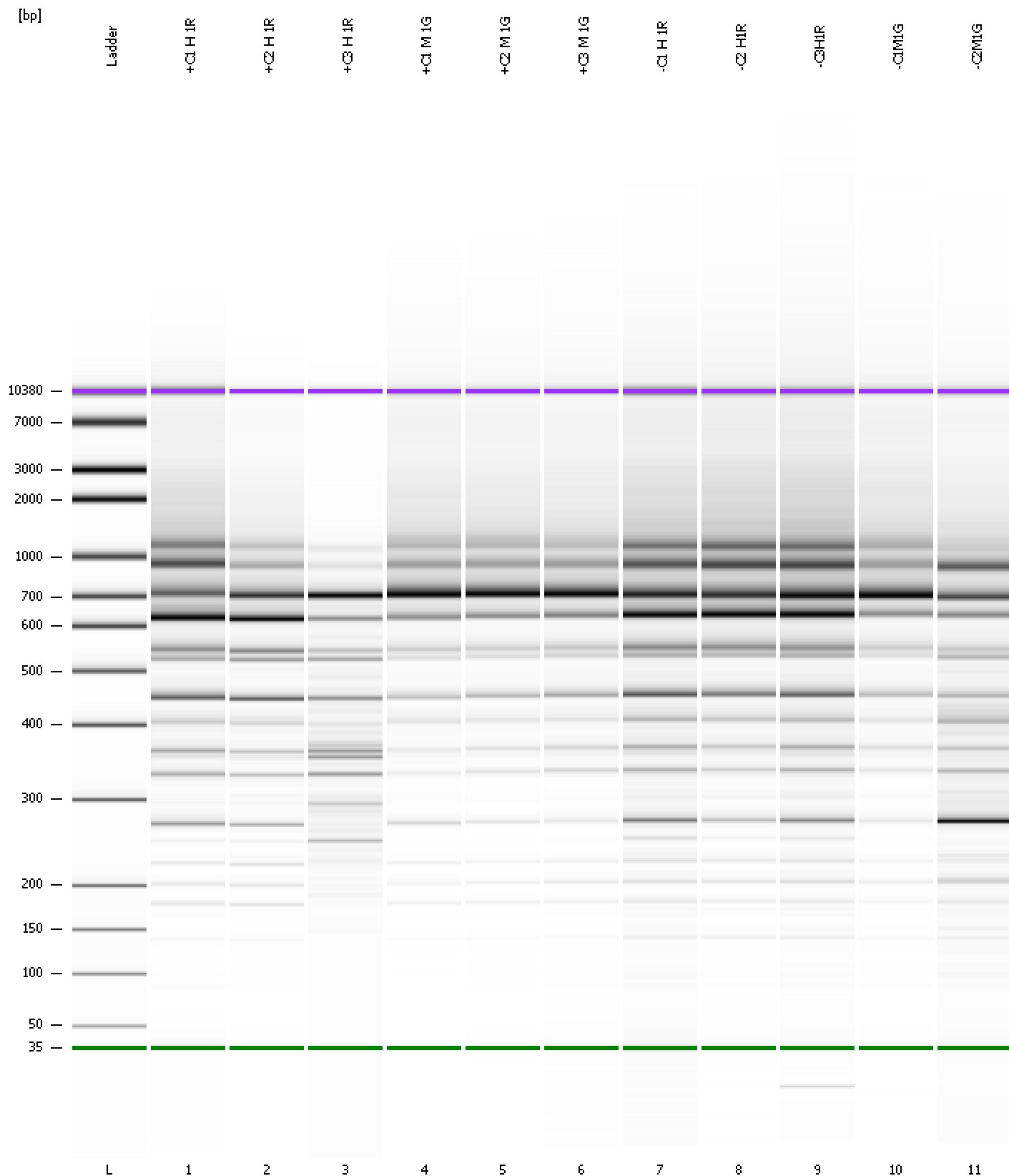
Region table for sample 11 : -C2M1G

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	551	2,342.84	2,625.9	8,608.7	78	42.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-12\2018-04-12_001.xad

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Curves

Standard Curve

