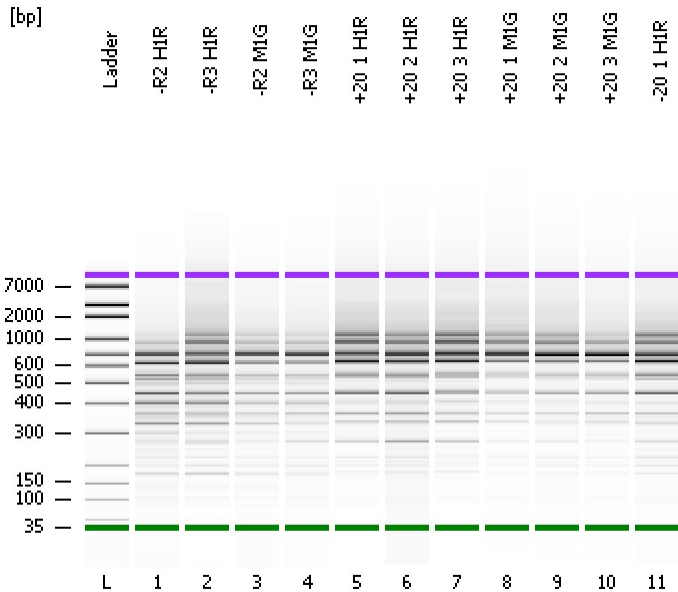


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

Created: 4/18/2018 1:24:09 PM
Modified: 4/18/2018 2:05:37 PM

Electrophoresis File Run Summary



Instrument Information:

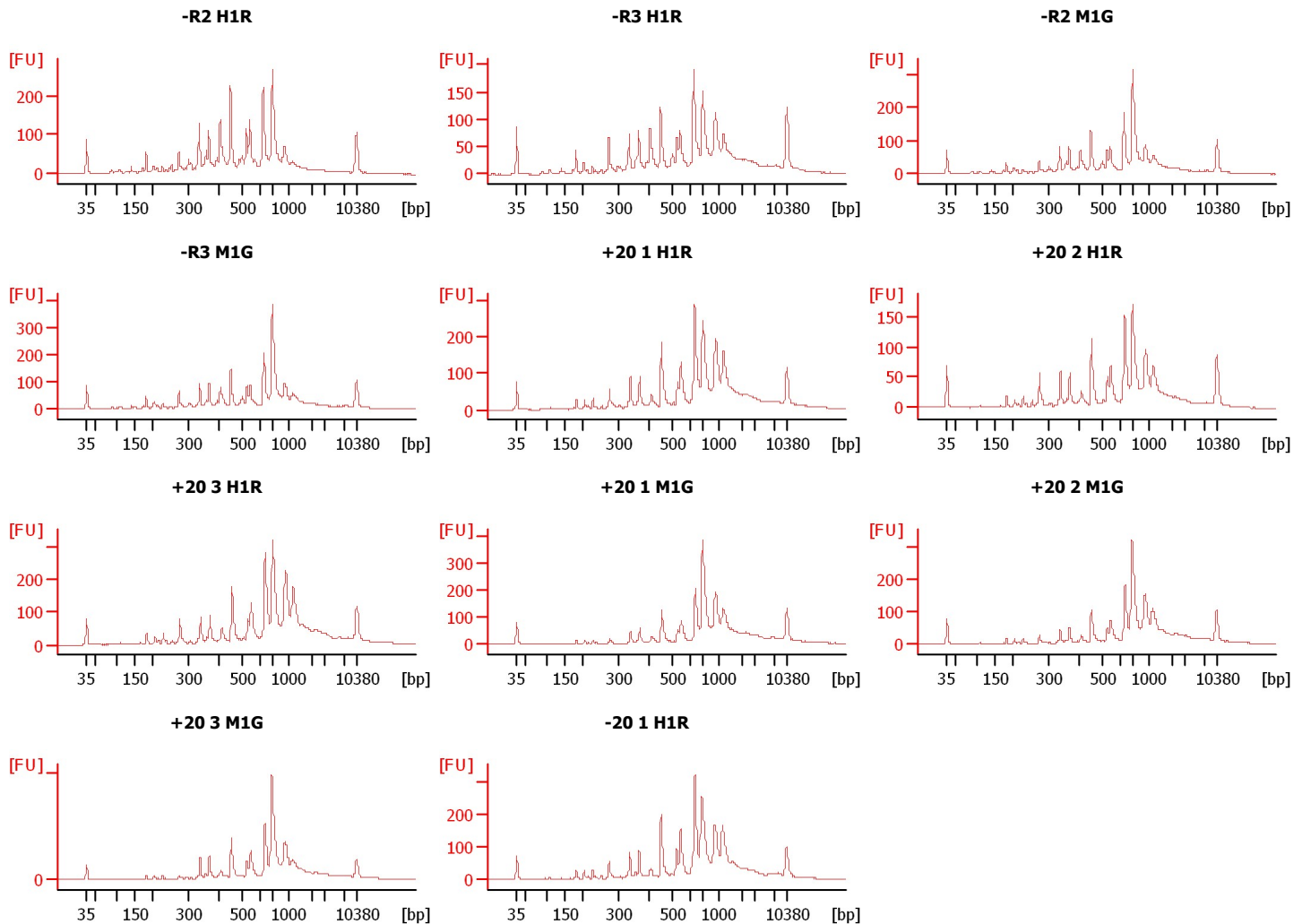
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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_001.xad

Created: 4/18/2018 1:24:09 PM
Modified: 4/18/2018 2:05:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
-R2 H1R		<input type="checkbox"/>	✓			
-R3 H1R		<input type="checkbox"/>	✓			
-R2 M1G		<input type="checkbox"/>	✓			
-R3 M1G		<input type="checkbox"/>	✓			
+20 1 H1R		<input type="checkbox"/>	✓			
+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"/>	✓			
-20 1 H1R		<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_001.xad

Created: 4/18/2018 1:24:09 PM
Modified: 4/18/2018 2:05:37 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

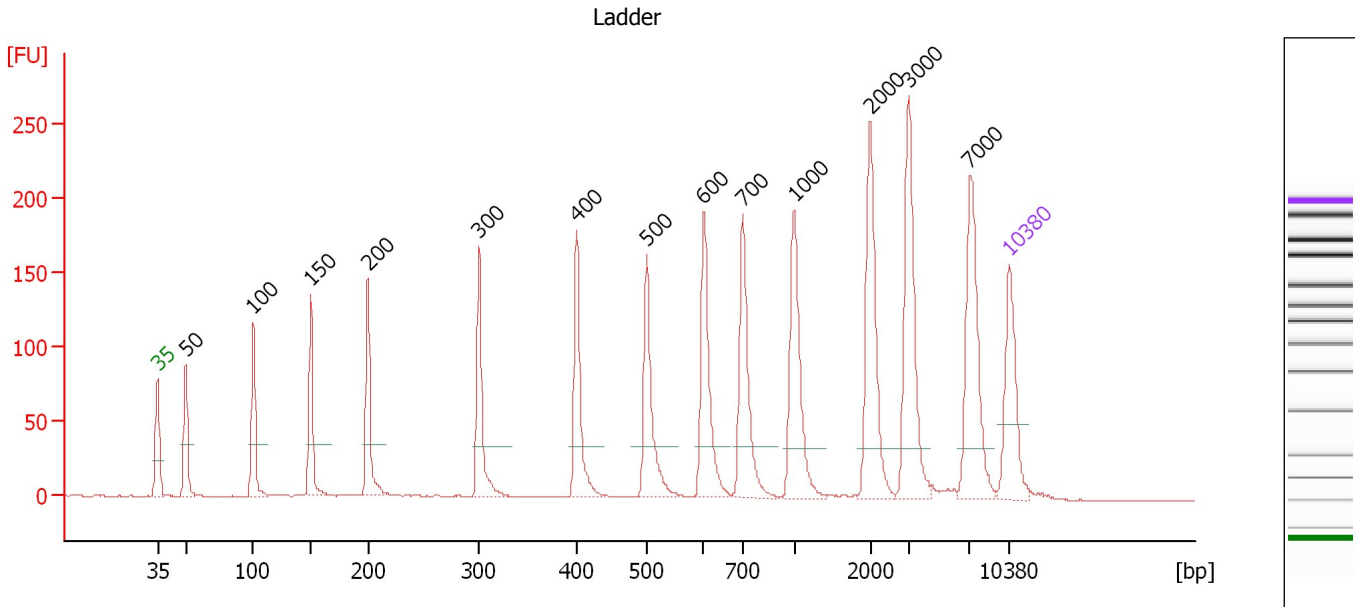
Ladder

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_001.xad

Created: 4/18/2018 1:24:09 PM
 Modified: 4/18/2018 2:05:37 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

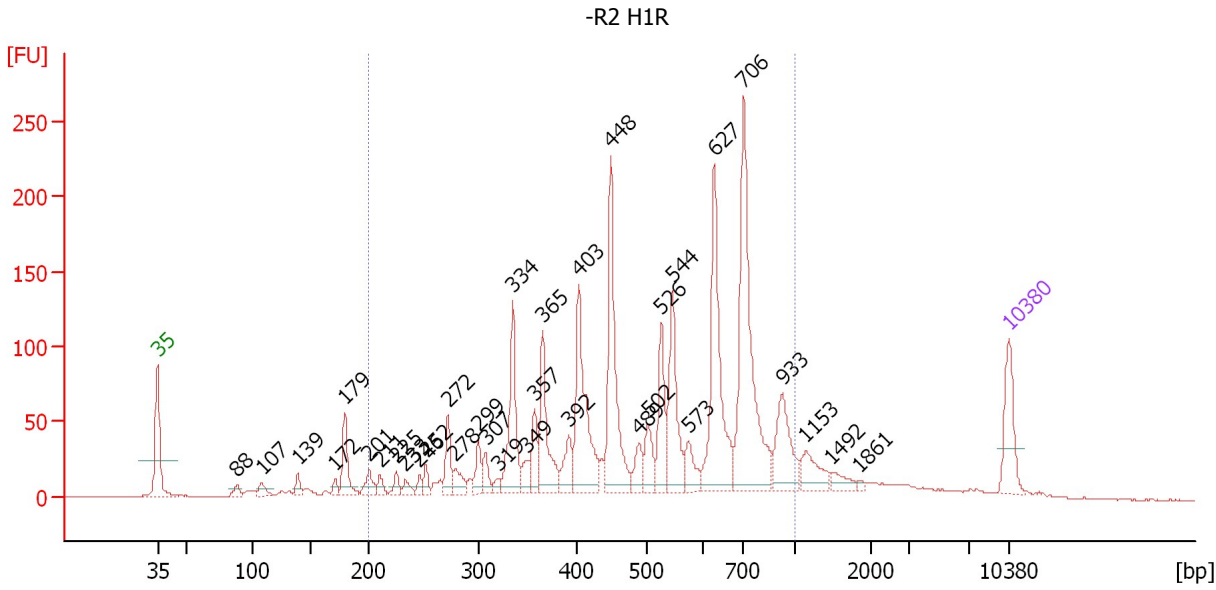
Peak table for Ladder

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	50.87
4	150	150.00	1,515.2	Ladder Peak	55.58
5	200	150.00	1,136.4	Ladder Peak	60.29
6	300	150.00	757.6	Ladder Peak	69.44
7	400	150.00	568.2	Ladder Peak	77.45
8	500	150.00	454.5	Ladder Peak	83.22
9	600	150.00	378.8	Ladder Peak	87.88
10	700	150.00	324.7	Ladder Peak	91.08
11	1,000	150.00	227.3	Ladder Peak	95.29
12	2,000	150.00	113.6	Ladder Peak	101.56
13	3,000	150.00	75.8	Ladder Peak	104.72
14	7,000	150.00	32.5	Ladder Peak	109.75
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_001.xad

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 Modified: 4/18/2018 2:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : -R2 H1R

Number of peaks found: 34 Corr. Area 1: 2,006.8
 Noise: 0.2

Peak table for sample 1 : -R2 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	88	17.89	308.6		49.52
3	107	22.11	312.1		51.56
4	139	21.94	238.7		54.57
5	172	15.00	132.4		57.62
6	179	83.40	704.1		58.36
7	201	33.84	255.6		60.35
8	211	18.87	135.7		61.27
9	225	19.34	130.0		62.62
10	233	17.25	111.9		63.36
11	246	12.87	79.2		64.51
12	252	20.06	120.5		65.07
13	272	56.32	313.9		66.87
14	278	31.93	173.8		67.47
15	299	39.97	202.4		69.37
16	307	30.52	150.8		69.97
17	319	12.67	60.1		70.99
18	334	161.33	731.1		72.19
19	349	27.70	120.1		73.40
20	357	52.56	223.1		74.00
21	365	137.55	571.0		74.65
22	392	52.55	203.1		76.82
23	403	219.63	826.4		77.61
24	448	249.97	844.6		80.24
25	489	38.86	120.5		82.56

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

Created: 4/18/2018 1:24:09 PM
 Modified: 4/18/2018 2:05:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : -R2 H1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	502	52.40	158.2		83.30
27	526	101.70	293.2		84.41
28	544	144.59	402.4		85.29
29	573	43.61	115.3		86.63
30	627	266.32	643.3		88.76
31	706	385.69	828.3		91.16
32	933	106.31	172.6		94.35
33	1,153	50.86	66.8		96.25
34	1,492	19.77	20.1		98.38
35	1,861	4.11	3.3		100.69
36	10,380	75.00	10.9	Upper Marker	113.00

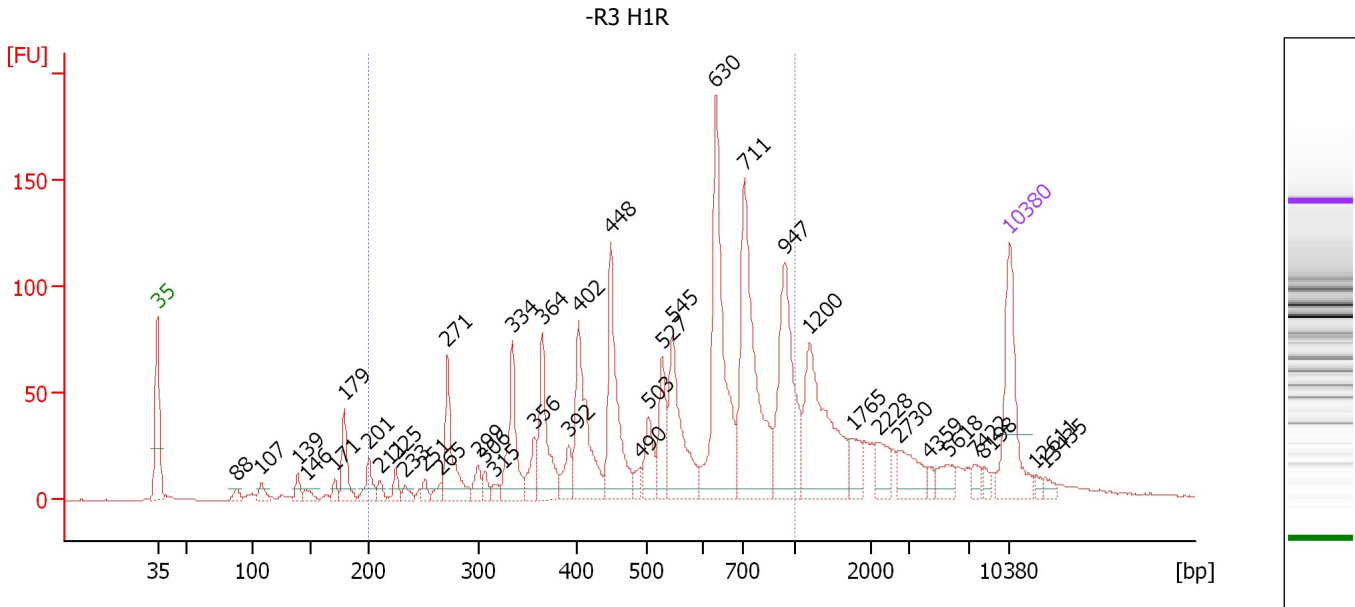
Region table for sample 1 : -R2 H1R

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	533	2,573.86	2,006.8	8,787.8	84	33.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

Created: 4/18/2018 1:24:09 PM
 Modified: 4/18/2018 2:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : -R3 H1R

Number of peaks found: 39 Corr. Area 1: 1,431.6
 Noise: 0.3

Peak table for sample 2 : -R3 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	88	9.44	162.9		49.52
3	107	13.33	188.7		51.53
4	139	13.10	143.1		54.51
5	146	9.81	102.1		55.16
6	171	8.81	78.0		57.59
7	179	45.39	383.8		58.33
8	201	24.22	182.6		60.38
9	211	9.52	68.4		61.27
10	225	12.64	85.1		62.57
11	233	8.34	54.2		63.32
12	251	7.76	46.9		64.95
13	265	7.97	45.5		66.26
14	271	74.24	414.7		66.81
15	299	15.05	76.3		69.33
16	306	10.64	52.7		69.94
17	315	7.36	35.3		70.68
18	334	72.55	329.0		72.17
19	356	25.87	110.0		73.95
20	364	77.06	320.4		74.60
21	392	22.21	85.9		76.79
22	402	107.65	405.5		77.58
23	448	115.79	391.3		80.24
24	490	10.02	31.0		82.66
25	503	34.87	105.0		83.36

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

Created: 4/18/2018 1:24:09 PM
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Electropherogram Summary Continued ...

... Peak table for sample 2 : -R3 H1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	527	46.20	132.8		84.48
27	545	96.08	267.1		85.32
28	630	190.91	458.8		88.86
29	711	194.85	415.4		91.24
30	947	130.92	209.6		94.54
31	1,200	127.78	161.3		96.55
32	1,765	21.40	18.4		100.09
33	2,228	21.85	14.9		102.28
34	2,730	29.81	16.5		103.87
35	4,359	6.06	2.1		106.43
36	5,618	15.80	4.3		108.01
37	7,422	8.03	1.6		110.16
38	8,198	5.89	1.1		110.90
39	10,380	75.00	10.9	Upper Marker	113.00
40	12,611	0.00	0.0		115.14
41	13,435	0.00	0.0		115.94

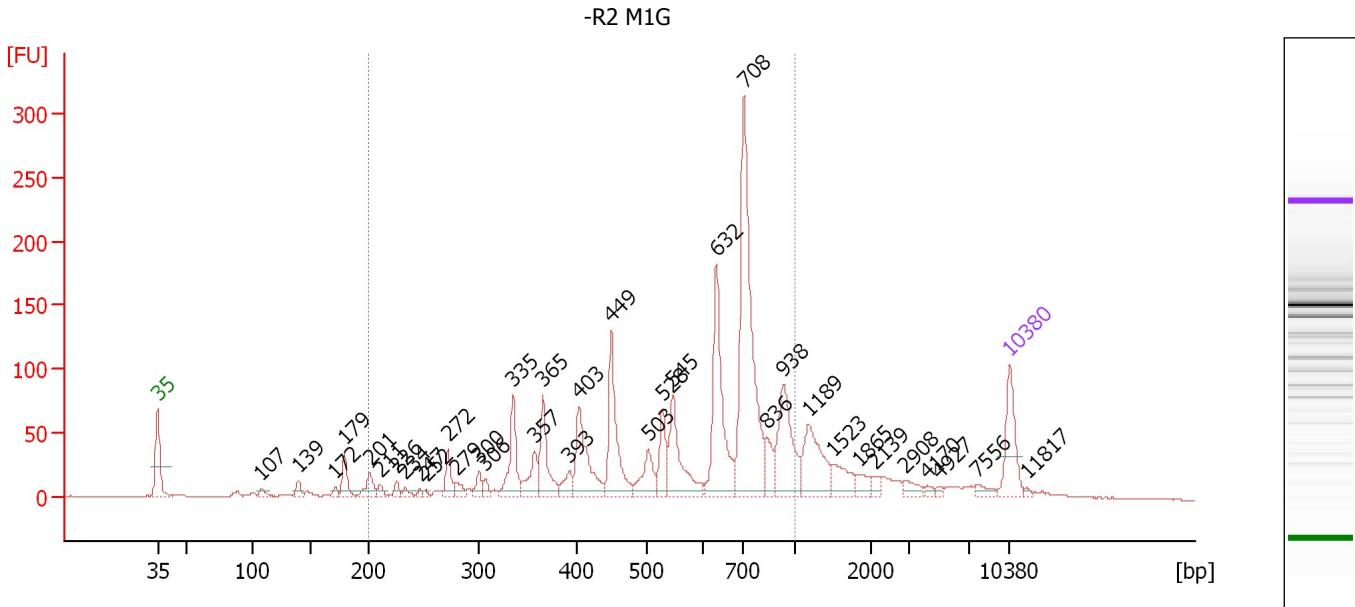
Region table for sample 2 : -R3 H1R

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	573	1,253.01	1,431.6	4,075.2	71	35.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

Created: 4/18/2018 1:24:09 PM
 Modified: 4/18/2018 2:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : -R2 M1G

Number of peaks found: 36 Corr. Area 1: 1,517.2
 Noise: 0.4

Peak table for sample 3 : -R2 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	15.42	218.5		51.52
3	139	19.22	209.1		54.57
4	172	11.16	98.5		57.62
5	179	49.96	422.5		58.33
6	201	37.93	285.2		60.43
7	211	12.76	91.5		61.33
8	226	15.07	101.0		62.67
9	234	11.26	73.0		63.38
10	247	5.77	35.4		64.57
11	252	5.51	33.1		65.05
12	272	40.92	227.8		66.90
13	279	18.97	103.0		67.52
14	300	23.79	120.2		69.43
15	306	14.12	69.8		69.95
16	335	97.79	442.4		72.24
17	357	53.51	227.2		74.00
18	365	98.07	406.9		74.67
19	393	29.60	114.2		76.86
20	403	133.74	502.9		77.62
21	449	159.20	537.0		80.29
22	503	62.24	187.7		83.33
23	528	63.02	180.8		84.52
24	545	127.94	355.4		85.33
25	632	224.36	537.9		88.90

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

Created: 4/18/2018 1:24:09 PM
 Modified: 4/18/2018 2:05:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : -R2 M1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	708	458.76	982.4		91.19
27	836	38.19	69.2		93.00
28	938	142.69	230.4		94.43
29	1,189	111.70	142.4		96.48
30	1,523	44.03	43.8		98.57
31	1,865	21.22	17.2		100.71
32	2,139	11.61	8.2		102.00
33	2,908	15.24	7.9		104.43
34	4,170	5.69	2.1		106.19
35	4,927	4.65	1.4		107.14
36	7,556	11.67	2.3		110.29
37	10,380	75.00	10.9	Upper Marker	113.00
38	11,817	0.00	0.0		114.38

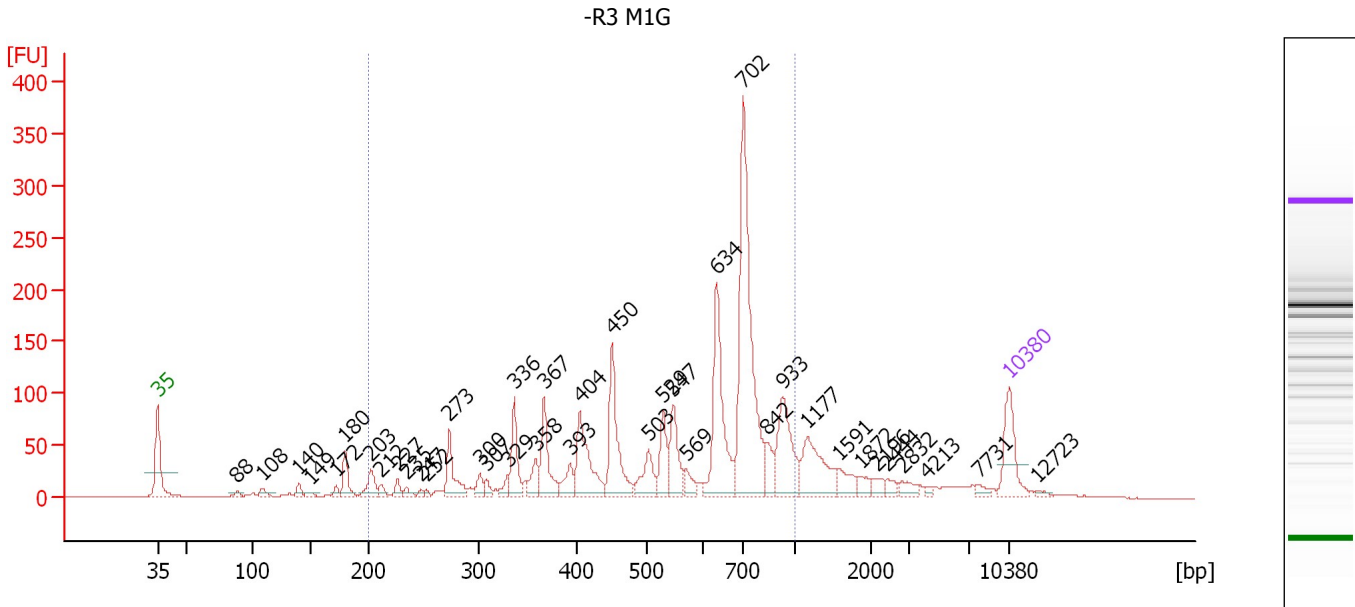
Region table for sample 3 : -R2 M1G

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	588	1,937.58	1,517.2	6,078.5	77	32.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

Created: 4/18/2018 1:24:09 PM
 Modified: 4/18/2018 2:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : -R3 M1G

Number of peaks found: 39 Corr. Area 1: 1,826.4
 Noise: 0.4

Peak table for sample 4 : -R3 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	88	13.92	239.3		49.56
3	108	20.45	287.2		51.62
4	140	18.60	201.9		54.60
5	149	13.11	132.9		55.53
6	172	13.59	119.5		57.69
7	180	55.97	470.8		58.42
8	203	48.48	362.7		60.52
9	212	15.96	114.2		61.36
10	227	18.77	125.5		62.73
11	235	14.00	90.4		63.46
12	247	7.30	44.7		64.64
13	252	6.82	40.9		65.08
14	273	84.70	469.8		66.99
15	300	24.83	125.2		69.48
16	307	16.90	83.3		70.02
17	329	17.88	82.3		71.78
18	336	82.13	370.4		72.32
19	358	42.05	178.0		74.08
20	367	99.28	410.4		74.77
21	393	37.92	146.1		76.92
22	404	138.23	517.9		77.71
23	450	155.88	524.5		80.35
24	503	64.17	193.5		83.34
25	529	65.10	186.5		84.56

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

Created: 4/18/2018 1:24:09 PM
 Modified: 4/18/2018 2:05:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : -R3 M1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	547	87.14	241.5		85.39
27	569	26.22	69.9		86.42
28	634	218.09	521.4		88.97
29	702	464.95	1,002.9		91.12
30	842	38.14	68.6		93.08
31	933	133.76	217.3		94.35
32	1,177	111.92	144.0		96.41
33	1,591	34.29	32.6		99.00
34	1,872	16.84	13.6		100.76
35	2,196	17.02	11.7		102.18
36	2,444	12.61	7.8		102.97
37	2,832	18.14	9.7		104.19
38	4,213	6.22	2.2		106.24
39	7,731	10.02	2.0		110.45
40	10,380	75.00	10.9	Upper Marker	113.00
41	12,723	0.00	0.0		115.25

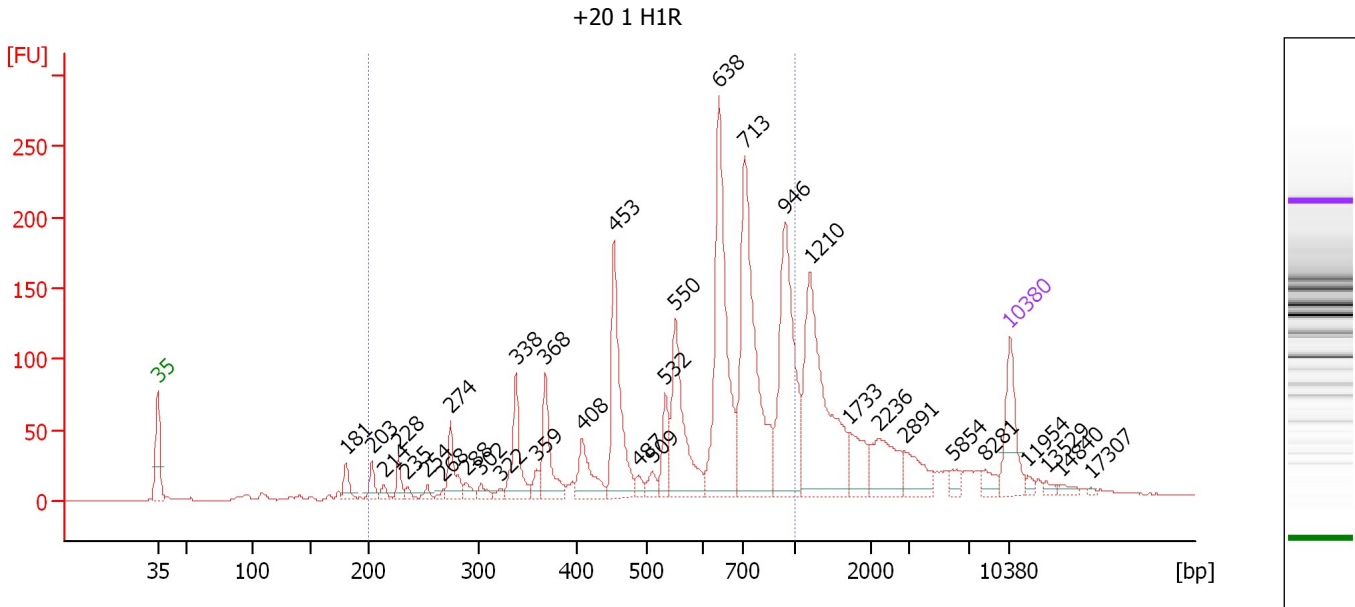
Region table for sample 4 : -R3 M1G

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	580	1,966.67	1,826.4	6,313.3	78	33.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

Created: 4/18/2018 1:24:09 PM
 Modified: 4/18/2018 2:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : +20 1 H1R

Number of peaks found: 33 Corr. Area 1: 1,874.3
 Noise: 0.3

Peak table for sample 5 : +20 1 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	181	32.24	270.2		58.48
3	203	28.21	210.2		60.60
4	214	12.38	87.5		61.61
5	228	26.57	176.9		62.82
6	235	10.28	66.2		63.53
7	254	10.73	64.2		65.19
8	268	6.44	36.4		66.50
9	274	65.63	363.1		67.06
10	288	16.38	86.3		68.32
11	302	15.15	76.1		69.58
12	322	7.47	35.2		71.19
13	338	97.06	435.7		72.45
14	359	19.37	81.8		74.17
15	368	92.77	382.2		74.87
16	408	71.19	264.5		77.90
17	453	194.92	651.6		80.52
18	487	14.14	44.0		82.49
19	509	19.91	59.2		83.65
20	532	53.80	153.2		84.71
21	550	175.84	484.1		85.56
22	638	336.33	798.9		89.10
23	713	374.44	796.0		91.26
24	946	260.58	417.2		94.54
25	1,210	288.55	361.4		96.61

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

Created: 4/18/2018 1:24:09 PM
 Modified: 4/18/2018 2:05:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : +20 1 H1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,733	53.79	47.0		99.89
27	2,236	79.30	53.7		102.31
28	2,891	47.34	24.8		104.38
29	5,854	13.71	3.5		108.31
30	8,281	15.77	2.9		110.98
31	10,380	75.00	10.9	Upper Marker	113.00
32	11,954	0.00	0.0		114.51
33	13,529	0.00	0.0		116.03
34	14,840	0.00	0.0		117.29
35	17,307	0.00	0.0		119.66

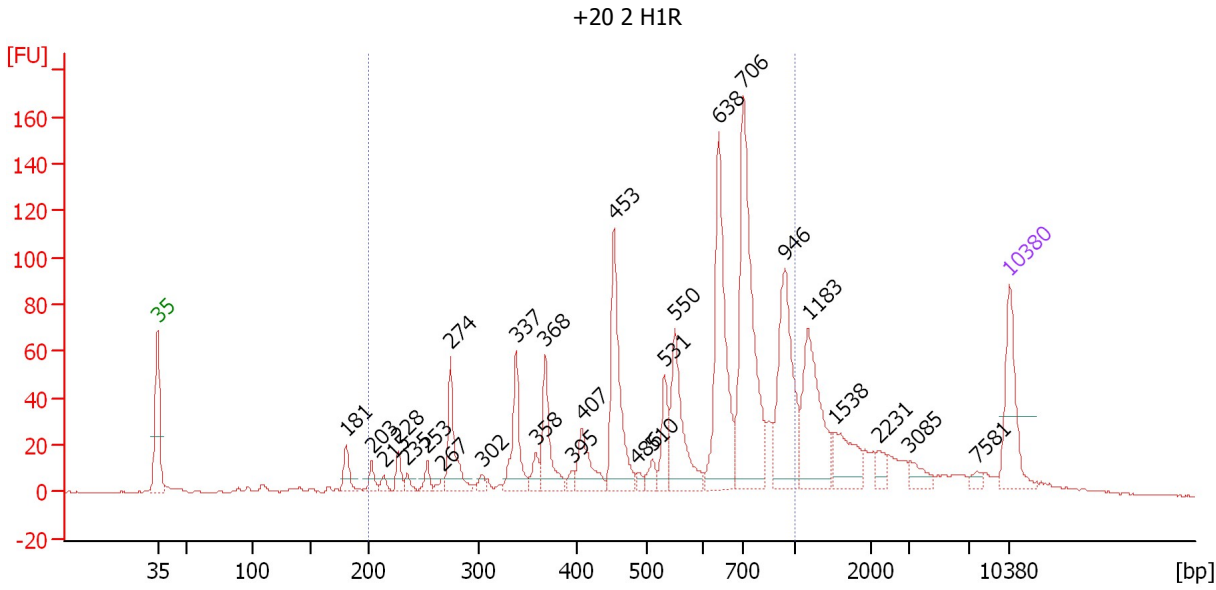
Region table for sample 5 : +20 1 H1R

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	614	1,933.21	1,874.3	5,859.1	67	32.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

Created: 4/18/2018 1:24:09 PM
 Modified: 4/18/2018 2:05:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : +20 2 H1R

Number of peaks found: 27 Corr. Area 1: 1,163.3
 Noise: 0.4

Peak table for sample 6 : +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	181	30.96	259.7		58.47
3	203	18.57	138.4		60.59
4	215	10.38	73.3		61.63
5	228	20.73	138.0		62.82
6	235	10.56	68.0		63.54
7	253	15.80	94.6		65.14
8	267	7.86	44.6		66.44
9	274	85.33	472.0		67.06
10	302	9.66	48.4		69.64
11	337	81.73	367.0		72.44
12	358	18.40	77.8		74.09
13	368	75.63	311.6		74.87
14	395	9.19	35.3		77.04
15	407	55.68	207.2		77.87
16	453	152.20	509.0		80.51
17	486	7.50	23.4		82.42
18	510	16.52	49.1		83.67
19	531	48.77	139.2		84.65
20	550	113.58	313.2		85.53
21	638	214.43	509.3		89.10
22	706	287.85	617.9		91.17
23	946	158.96	254.7		94.53
24	1,183	132.37	169.5		96.44
25	1,538	55.54	54.7		98.67

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 6 : +20 2 H1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,231	14.41	9.8		102.29
27	3,085	16.57	8.1		104.83
28	7,581	6.64	1.3		110.31
29	10,380	75.00	10.9	Upper Marker	113.00

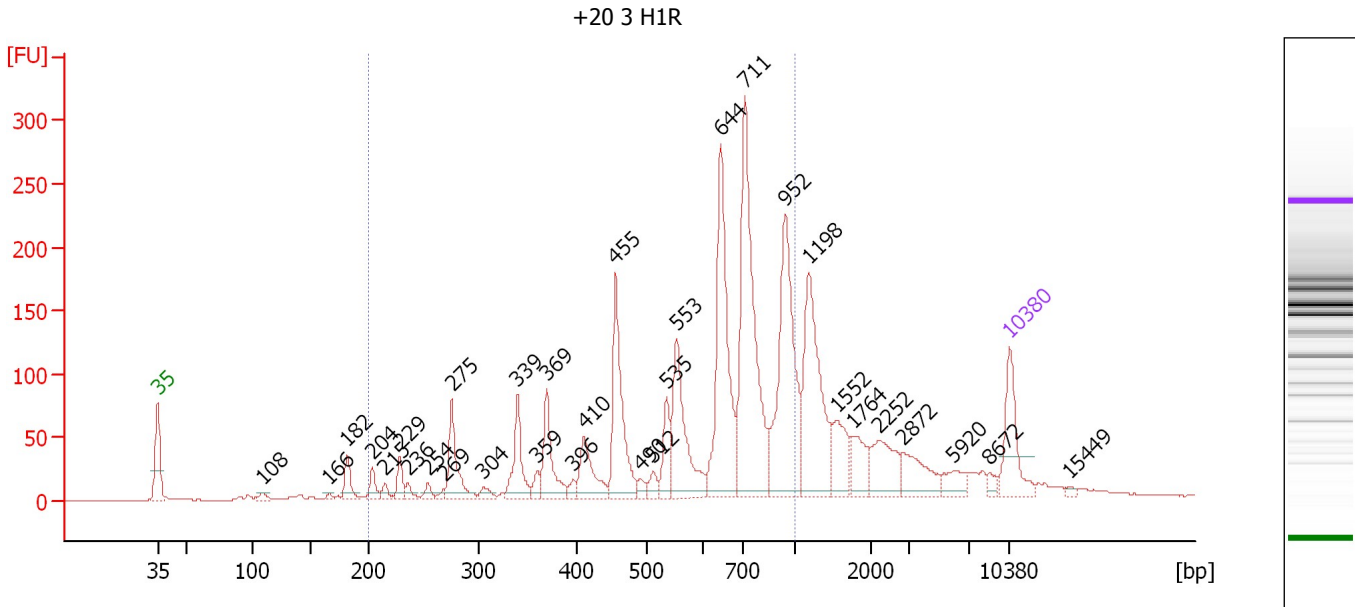
Region table for sample 6 : +20 2 H1R

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	594	1,547.96	1,163.3	4,929.1	72	34.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : +20 3 H1R

Number of peaks found: 32 Corr. Area 1: 2,045.5
 Noise: 0.2

Peak table for sample 7 : +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	108	9.92	139.1		51.63
3	166	5.11	46.7		57.08
4	182	40.77	340.0		58.57
5	204	25.47	188.9		60.69
6	215	14.64	103.1		61.69
7	229	28.49	188.9		62.91
8	236	13.67	87.8		63.60
9	254	13.01	77.6		65.24
10	269	7.29	41.2		66.56
11	275	87.39	480.7		67.20
12	304	13.70	68.2		69.79
13	339	82.57	369.3		72.55
14	359	17.89	75.5		74.19
15	369	83.76	343.8		74.98
16	396	11.05	42.3		77.15
17	410	71.10	262.5		78.05
18	455	174.16	579.4		80.65
19	490	10.46	32.3		82.66
20	512	17.68	52.3		83.77
21	535	53.18	150.7		84.83
22	553	150.33	412.1		85.68
23	644	275.72	649.1		89.28
24	711	378.82	807.4		91.24
25	952	274.46	436.6		94.63

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 7 : +20 3 H1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,198	205.06	259.4		96.53
27	1,552	61.92	60.4		98.76
28	1,764	45.86	39.4		100.08
29	2,252	66.66	44.9		102.36
30	2,872	54.90	29.0		104.32
31	5,920	24.95	6.4		108.39
32	8,672	8.63	1.5		111.36
33	10,380	75.00	10.9	Upper Marker	113.00
34	15,449	0.00	0.0		117.87

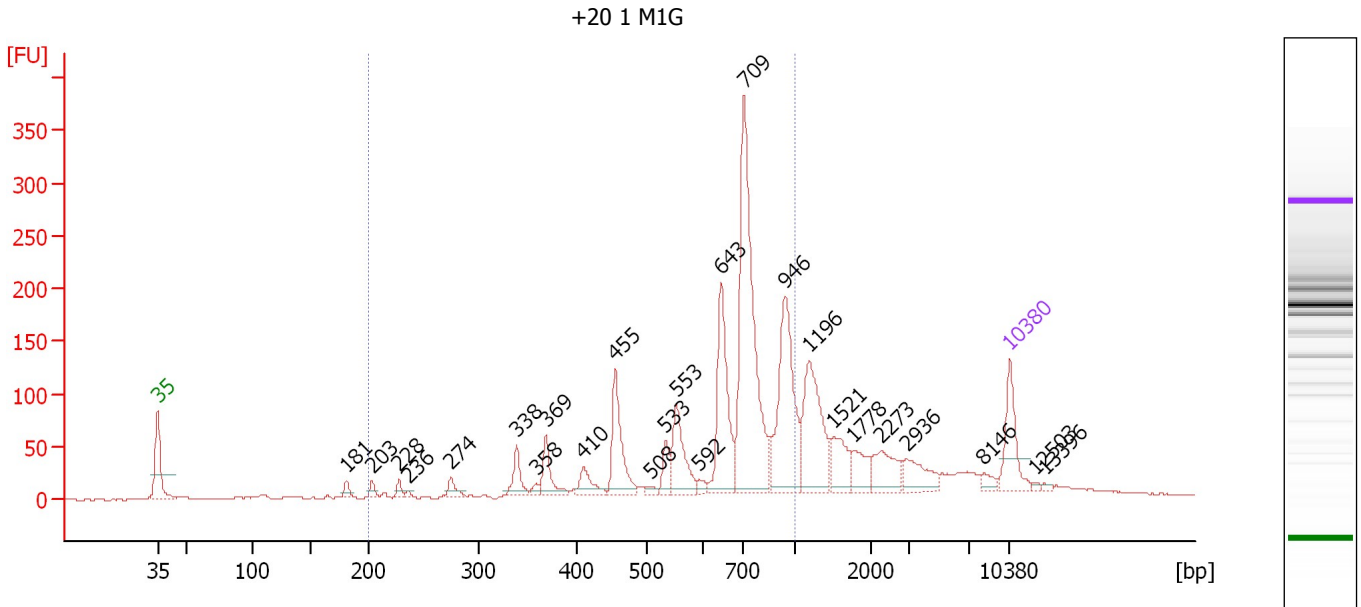
Region table for sample 7 : +20 3 H1R

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	620	1,827.06	2,045.5	5,540.8	67	33.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : +20 1 M1G

Number of peaks found: 25 Corr. Area 1: 1,662.3
 Noise: 0.5

Peak table for sample 8 : +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	181	16.24	135.9		58.51
3	203	14.01	104.3		60.61
4	228	12.70	84.4		62.86
5	236	4.60	29.6		63.56
6	274	19.84	109.5		67.10
7	338	45.53	203.8		72.52
8	358	9.78	41.4		74.08
9	369	56.21	231.0		74.94
10	410	38.79	143.5		78.00
11	455	122.51	407.8		80.63
12	508	7.69	22.9		83.58
13	533	36.33	103.3		84.76
14	553	99.61	273.1		85.68
15	592	10.27	26.3		87.50
16	643	196.49	462.7		89.27
17	709	476.21	1,018.3		91.21
18	946	241.24	386.5		94.53
19	1,196	176.12	223.2		96.52
20	1,521	62.77	62.5		98.56
21	1,778	41.70	35.5		100.17
22	2,273	60.77	40.5		102.42
23	2,936	49.35	25.5		104.52
24	8,146	13.19	2.5		110.85
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : +20 1 M1G

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	12,503	0.00	0.0		115.04
27	13,396	0.00	0.0		115.90

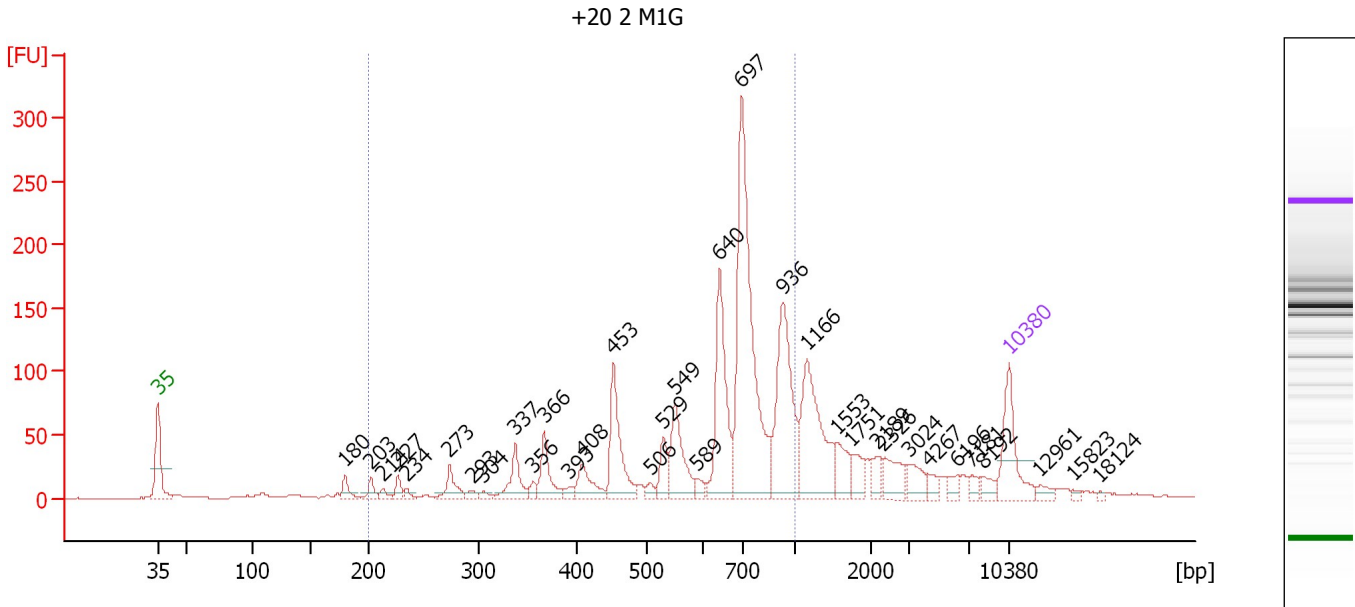
Region table for sample 8 : +20 1 M1G

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	655	1,564.33	1,662.3	4,323.3	 63	29.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : +20 2 M1G

Number of peaks found: 34 Corr. Area 1: 1,451.6
 Noise: 0.3

Peak table for sample 9 : +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	180	23.44	197.1		58.42
3	203	19.99	149.6		60.53
4	214	10.57	74.9		61.55
5	227	17.05	114.0		62.74
6	234	9.57	61.8		63.44
7	273	39.05	216.5		67.00
8	293	9.32	48.2		68.83
9	304	8.04	40.1		69.75
10	337	53.84	242.2		72.39
11	356	11.89	50.6		73.90
12	366	55.81	230.8		74.76
13	393	11.34	43.7		76.87
14	408	46.49	172.8		77.89
15	453	114.81	384.4		80.48
16	506	12.57	37.6		83.50
17	529	37.83	108.3		84.58
18	549	91.83	253.5		85.50
19	589	12.97	33.3		87.38
20	640	174.36	412.8		89.16
21	697	417.15	906.5		91.00
22	936	192.82	312.2		94.39
23	1,166	171.14	222.3		96.34
24	1,553	37.47	36.5		98.76
25	1,751	27.99	24.2		100.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 9 : +20 2 M1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,189	19.53	13.5		102.16
27	2,326	40.02	26.1		102.59
28	3,024	28.20	14.1		104.75
29	4,267	11.88	4.2		106.31
30	6,196	11.83	2.9		108.74
31	7,181	11.65	2.5		109.93
32	8,192	13.73	2.5		110.90
33	10,380	75.00	10.9	Upper Marker	113.00
34	12,961	0.00	0.0		115.48
35	15,823	0.00	0.0		118.23
36	18,124	0.00	0.0		120.44

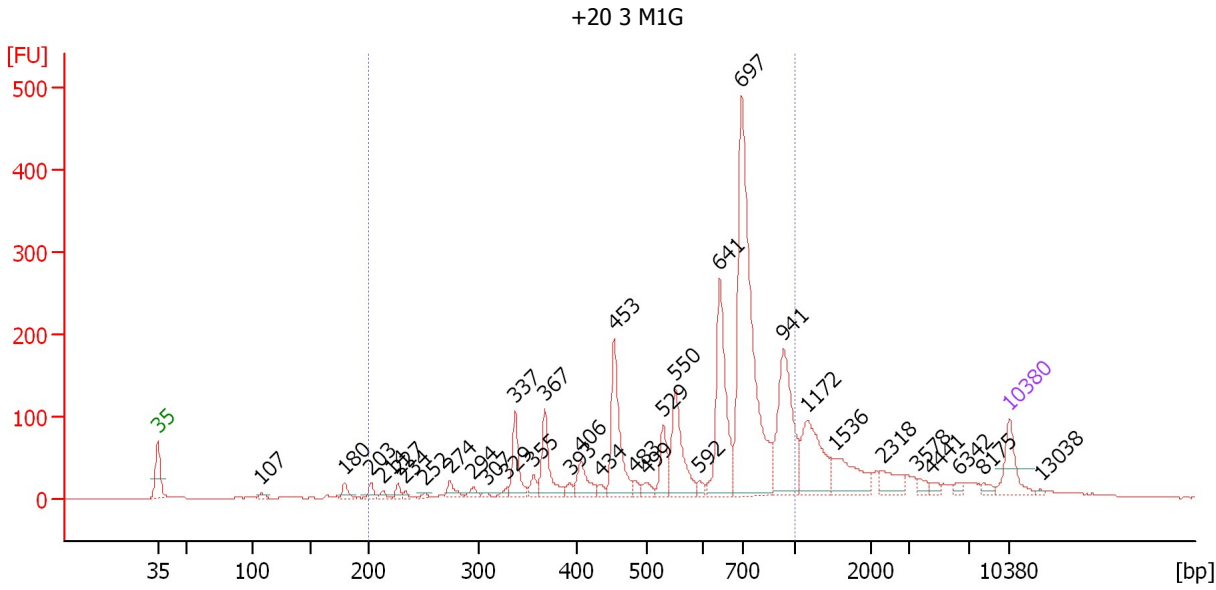
Region table for sample 9 : +20 2 M1G

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	644	1,327.18	1,451.6	3,773.9	67	30.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : +20 3 M1G

Number of peaks found: 34 Corr. Area 1: 2,185.9
 Noise: 0.4

Peak table for sample 10 : +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	107	14.62	207.0		51.53
3	180	27.99	236.0		58.38
4	203	24.25	181.1		60.55
5	214	11.04	78.3		61.53
6	227	19.55	130.7		62.73
7	234	8.35	54.1		63.38
8	252	7.24	43.6		65.01
9	274	32.02	177.4		67.02
10	294	19.89	102.4		68.92
11	307	9.06	44.7		70.01
12	329	13.20	60.8		71.75
13	337	111.86	503.0		72.40
14	355	29.61	126.3		73.87
15	367	128.86	532.3		74.79
16	393	16.34	63.0		76.91
17	406	68.70	256.5		77.78
18	434	14.88	51.9		79.41
19	453	224.86	752.3		80.50
20	483	18.71	58.7		82.24
21	499	22.79	69.2		83.16
22	529	78.22	224.0		84.58
23	550	173.76	478.6		85.55
24	592	14.77	37.8		87.51
25	641	300.41	710.1		89.20

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 10 : +20 3 M1G

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	697	787.78	1,712.5		90.99
27	941	282.25	454.4		94.47
28	1,172	178.32	230.6		96.37
29	1,536	109.58	108.1		98.65
30	2,318	46.70	30.5		102.57
31	3,578	15.78	6.7		105.45
32	4,441	12.50	4.3		106.53
33	6,342	9.49	2.3		108.92
34	8,175	11.56	2.1		110.88
35	10,380	75.00	10.9	Upper Marker	113.00
36	13,038	0.00	0.0		115.55

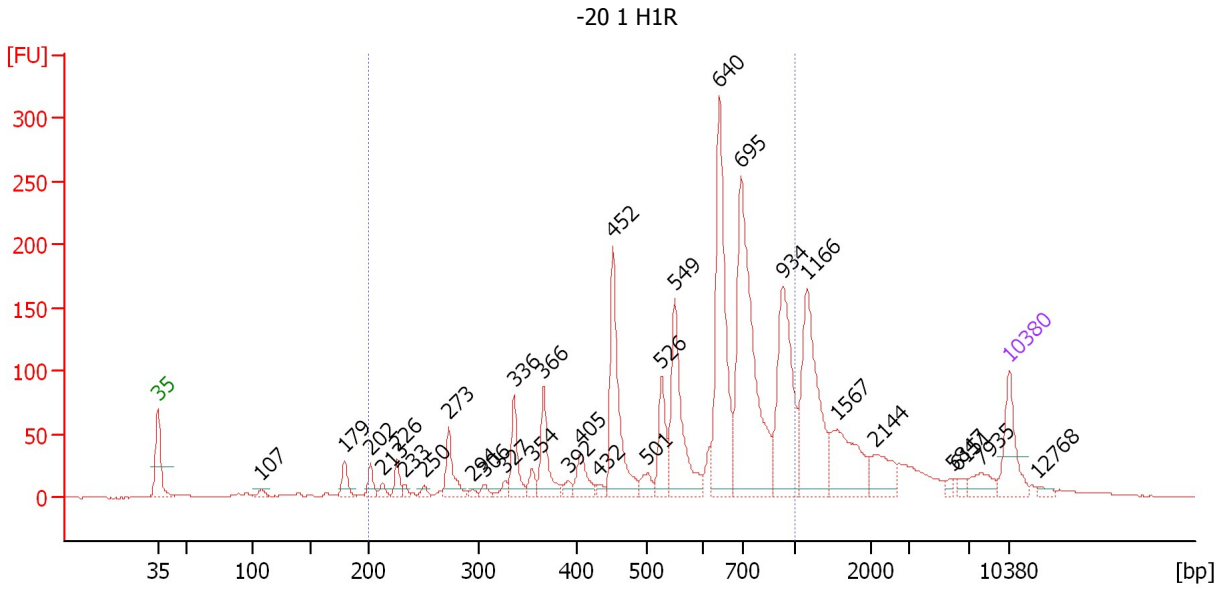
Region table for sample 10 : +20 3 M1G

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	626	2,554.00	2,185.9	7,374.9	73	30.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : -20 1 H1R

Number of peaks found: 31 Corr. Area 1: 1,908.5
 Noise: 0.3

Peak table for sample 11 : -20 1 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	107	9.67	137.1		51.52
3	179	37.16	313.8		58.36
4	202	28.37	212.7		60.49
5	213	12.52	89.1		61.47
6	226	28.87	193.6		62.67
7	233	9.33	60.8		63.27
8	250	9.74	58.9		64.91
9	273	68.15	378.8		66.93
10	294	5.76	29.7		68.90
11	306	11.37	56.4		69.89
12	327	13.17	61.1		71.58
13	336	76.27	344.4		72.29
14	354	21.74	93.1		73.77
15	366	88.80	368.0		74.69
16	392	12.30	47.6		76.77
17	405	47.67	178.2		77.75
18	432	9.52	33.4		79.28
19	452	218.51	732.9		80.43
20	501	24.30	73.4		83.27
21	526	81.46	234.7		84.42
22	549	194.10	535.4		85.51
23	640	325.00	769.0		89.17
24	695	450.90	983.1		90.92
25	934	235.72	382.4		94.37

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : -20 1 H1R

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,166	240.11	312.1		96.33
27	1,567	119.67	115.7		98.85
28	2,144	54.63	38.6		102.02
29	5,847	7.18	1.9		108.30
30	6,151	8.71	2.1		108.68
31	7,935	28.62	5.5		110.65
32	10,380	75.00	10.9	Upper Marker	113.00
33	12,768	0.00	0.0		115.30

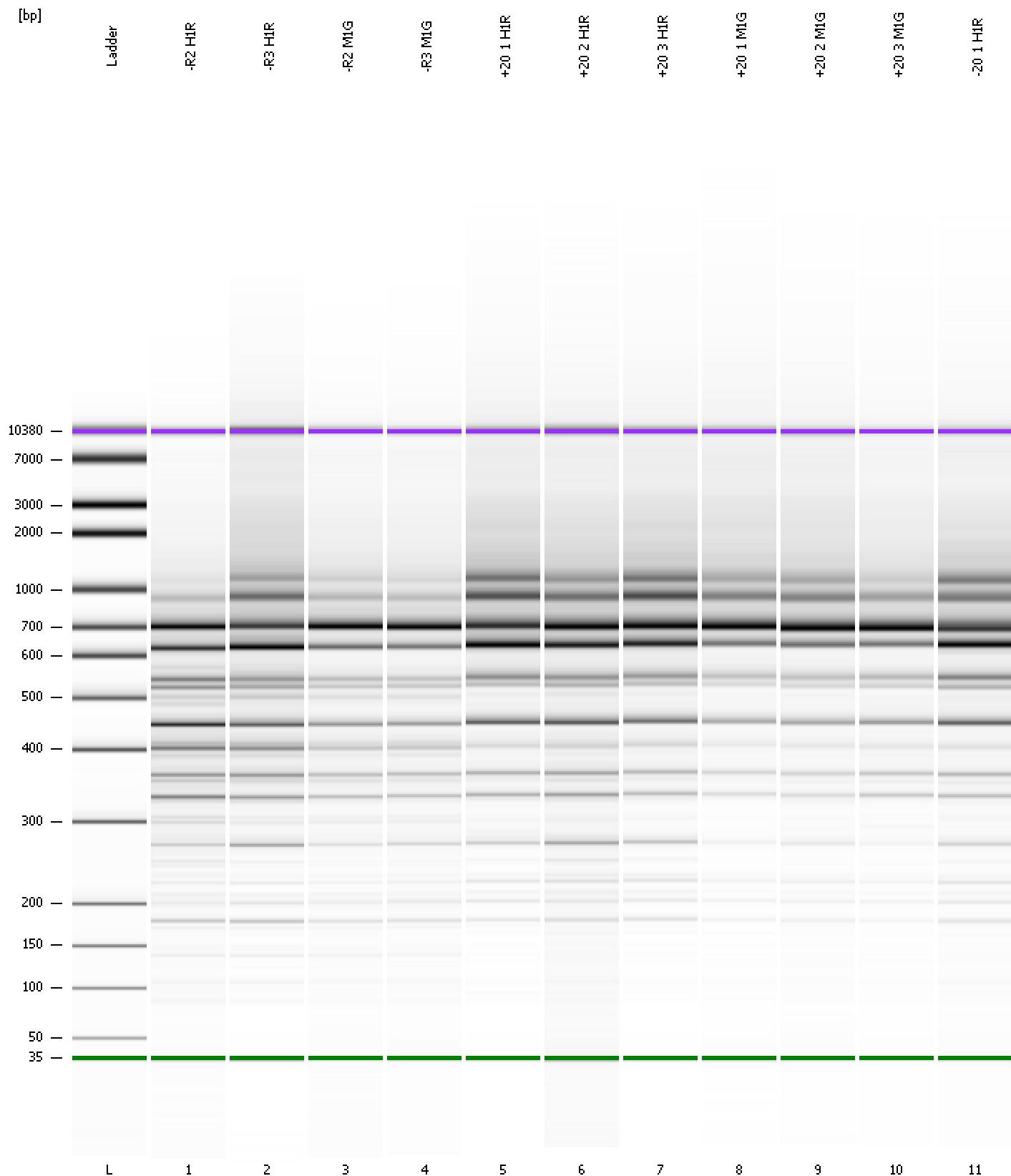
Region table for sample 11 : -20 1 H1R

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	612	2,074.99	1,908.5	6,259.2	 70	31.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-18\2018-04-18_001.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_001.xad

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Curves

Standard Curve

