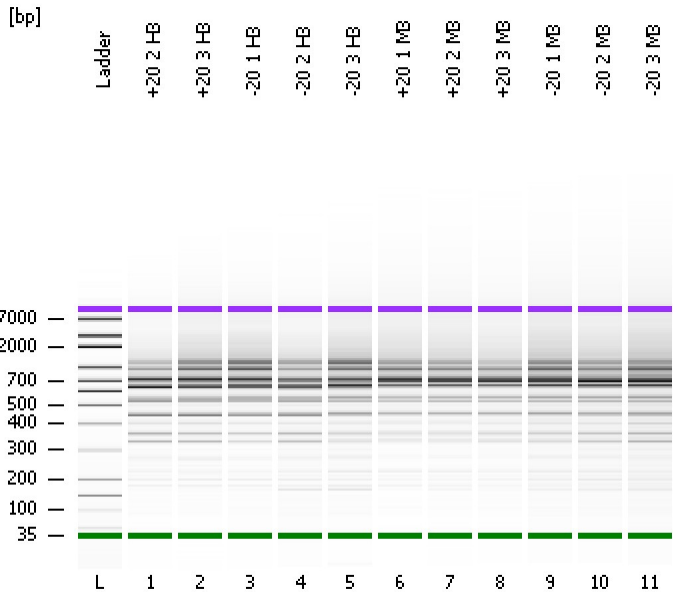


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
Modified: 5/2/2018 2:35:55 PM

Electrophoresis File Run Summary



Instrument Information:

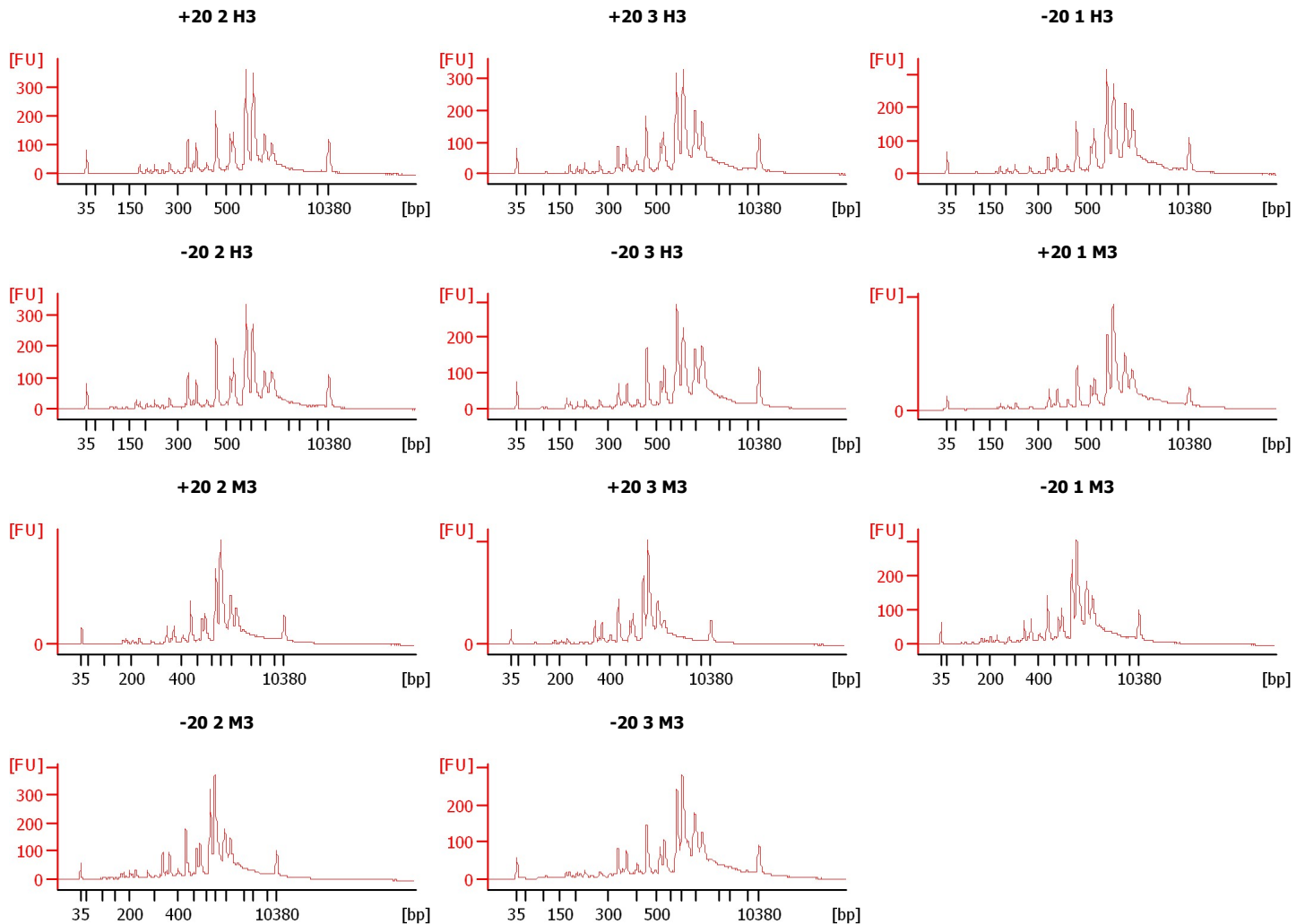
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
Modified: 5/2/2018 2:35:55 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
+20 2 H3		<input type="checkbox"/>	✓			
+20 3 H3		<input type="checkbox"/>	✓			
-20 1 H3		<input type="checkbox"/>	✓			
-20 2 H3		<input type="checkbox"/>	✓			
-20 3 H3		<input type="checkbox"/>	✓			
+20 1 M3		<input type="checkbox"/>	✓			
+20 2 M3		<input type="checkbox"/>	✓			
+20 3 M3		<input type="checkbox"/>	✓			
-20 1 M3		<input type="checkbox"/>	✓			
-20 2 M3		<input type="checkbox"/>	✓			
-20 3 M3		<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\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
Modified: 5/2/2018 2:35:55 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

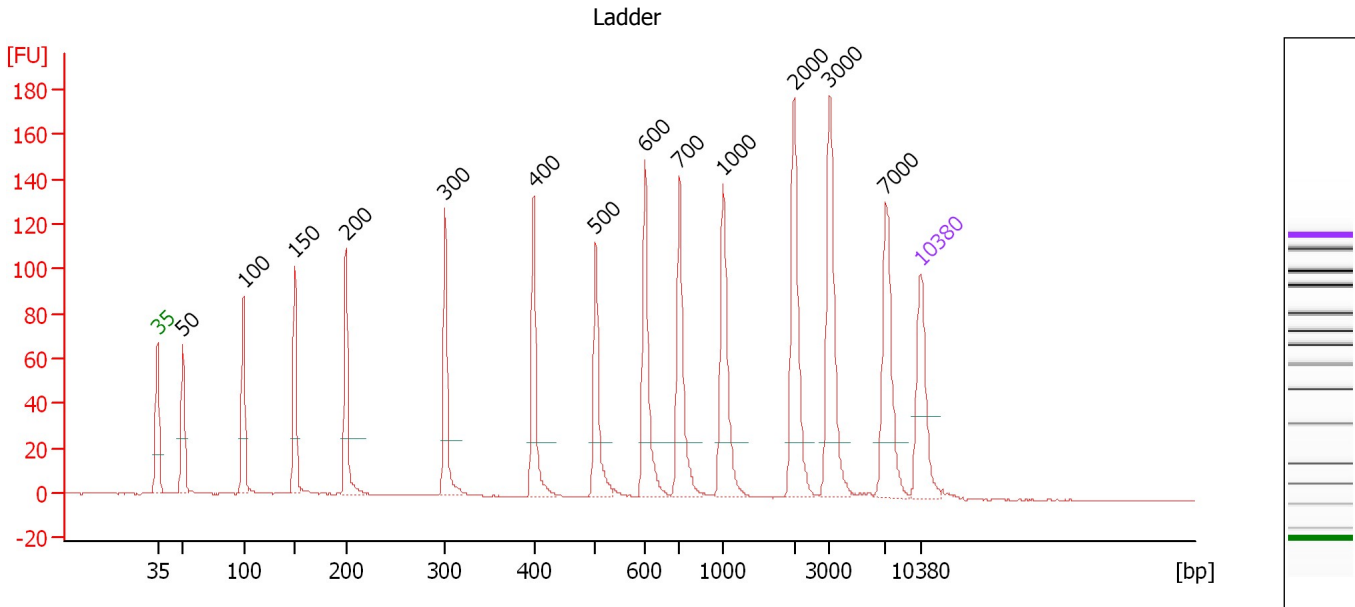
Ladder

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\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

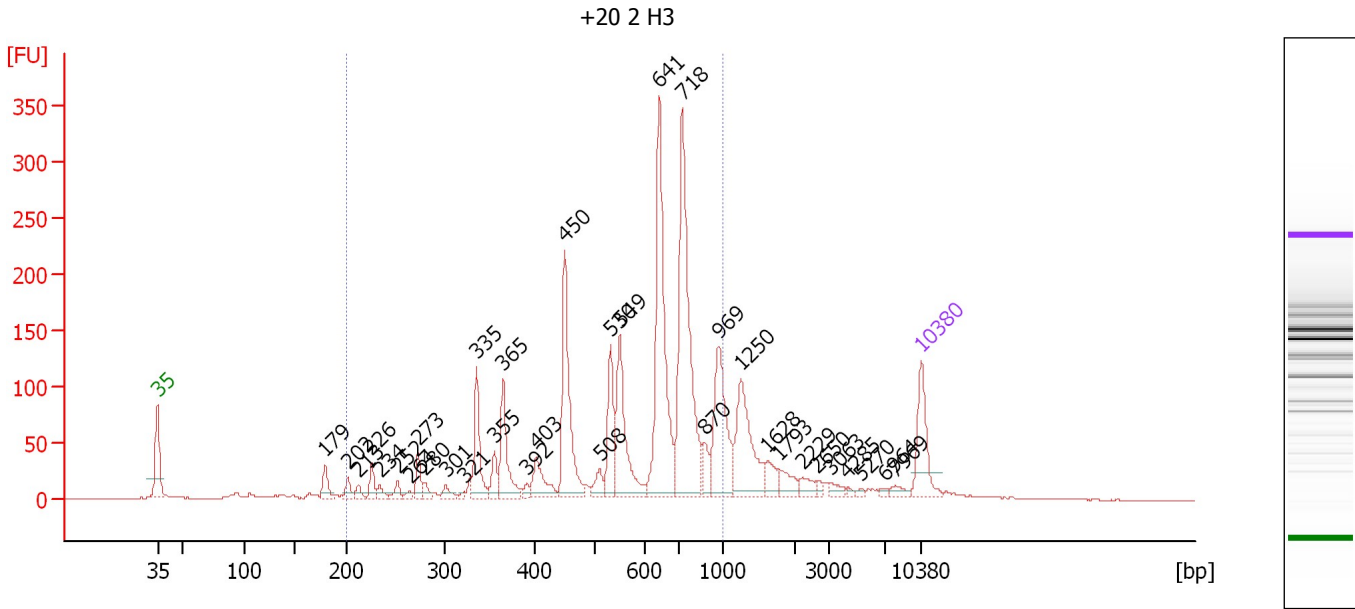
Peak table for Ladder

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	50.88
4	150	150.00	1,515.2	Ladder Peak	55.60
5	200	150.00	1,136.4	Ladder Peak	60.27
6	300	150.00	757.6	Ladder Peak	69.36
7	400	150.00	568.2	Ladder Peak	77.50
8	500	150.00	454.5	Ladder Peak	83.17
9	600	150.00	378.8	Ladder Peak	87.69
10	700	150.00	324.7	Ladder Peak	90.86
11	1,000	150.00	227.3	Ladder Peak	94.87
12	2,000	150.00	113.6	Ladder Peak	101.35
13	3,000	150.00	75.8	Ladder Peak	104.61
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\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : +20 2 H3

Number of peaks found: 34 Corr. Area 1: 1,946.5
 Noise: 0.4

Peak table for sample 1 : +20 2 H3

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	179	37.34	315.6		58.33
3	202	21.00	157.8		60.42
4	213	14.49	103.1		61.44
5	226	29.25	196.3		62.61
6	234	15.27	98.8		63.38
7	252	16.23	97.6		65.01
8	264	7.70	44.1		66.13
9	273	34.71	192.8		66.89
10	280	13.75	74.5		67.51
11	301	14.54	73.2		69.44
12	321	4.27	20.2		71.07
13	335	100.94	456.0		72.24
14	355	33.28	141.8		73.87
15	365	103.61	429.5		74.69
16	392	10.12	39.1		76.88
17	403	58.01	217.9		77.69
18	450	208.17	700.7		80.34
19	508	26.01	77.5		83.55
20	530	99.26	283.9		84.52
21	549	155.54	429.3		85.39
22	641	348.04	822.0		89.00
23	718	397.18	838.4		91.09
24	870	31.18	54.3		93.13
25	969	159.57	249.5		94.46

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : +20 2 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,250	145.88	176.8		96.49
27	1,628	26.91	25.0		98.94
28	1,793	29.01	24.5		100.01
29	2,229	19.25	13.1		102.10
30	2,650	6.68	3.8		103.47
31	3,063	11.33	5.6		104.70
32	4,285	3.84	1.4		106.28
33	5,270	4.58	1.3		107.55
34	6,964	4.97	1.1		109.74
35	7,969	10.94	2.1		110.71
36	10,380	75.00	10.9	Upper Marker	113.00

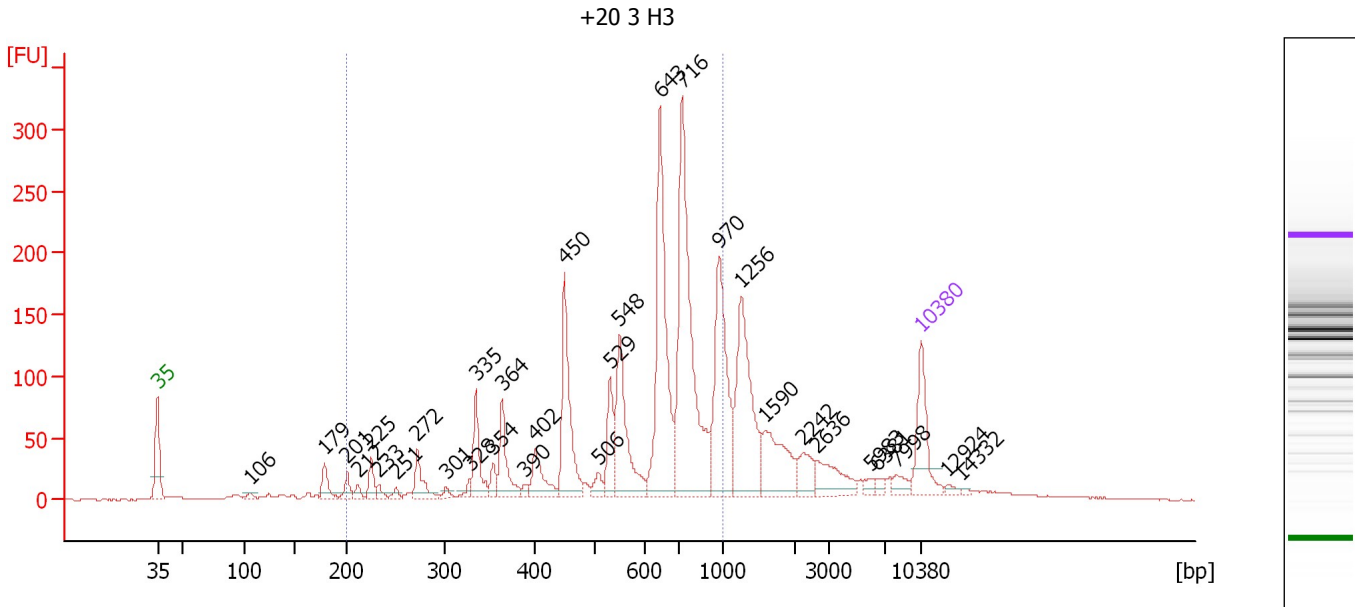
Region table for sample 1 : +20 2 H3

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	1,935.81	1,946.5	5,962.6	77	31.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : +20 3 H3

Number of peaks found: 31 Corr. Area 1: 1,927.8
 Noise: 0.3

Peak table for sample 2 : +20 3 H3

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	106	9.59	136.4		51.49
3	179	36.71	311.2		58.29
4	201	22.99	173.0		60.40
5	212	11.87	84.8		61.38
6	225	28.66	192.8		62.56
7	233	12.14	78.9		63.28
8	251	8.52	51.5		64.88
9	272	47.18	262.7		66.83
10	301	9.04	45.5		69.46
11	328	11.74	54.3		71.62
12	335	73.09	330.9		72.18
13	354	20.88	89.3		73.78
14	364	77.74	323.2		74.60
15	390	7.92	30.7		76.71
16	402	55.89	210.4		77.64
17	450	168.72	568.5		80.32
18	506	19.07	57.1		83.46
19	529	65.12	186.5		84.49
20	548	152.11	420.2		85.36
21	643	302.75	712.9		89.07
22	716	419.76	887.9		91.07
23	970	213.91	334.1		94.47
24	1,256	196.43	237.0		96.53
25	1,590	100.63	95.9		98.69

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
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Electropherogram Summary Continued ...

... Peak table for sample 2 : +20 3 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,242	36.63	24.8		102.14
27	2,636	52.94	30.4		103.43
28	5,983	8.60	2.2		108.47
29	6,381	7.83	1.9		108.99
30	7,998	16.08	3.0		110.74
31	10,380	75.00	10.9	Upper Marker	113.00
32	12,924	0.00	0.0		115.42
33	14,332	0.00	0.0		116.76

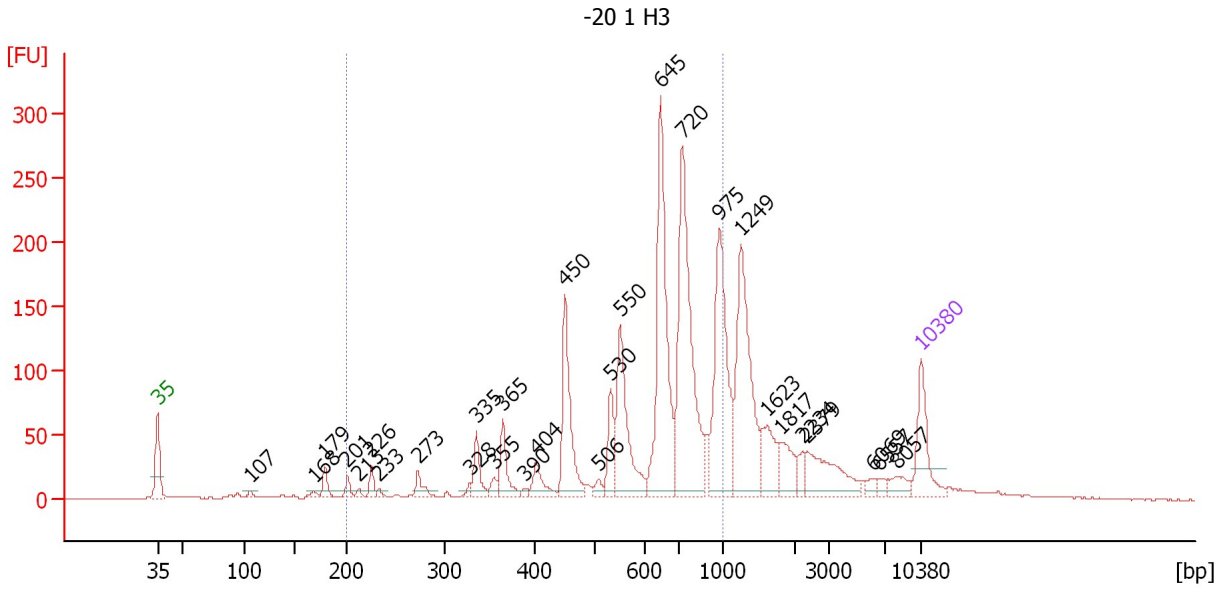
Region table for sample 2 : +20 3 H3

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	617	1,743.59	1,927.8	5,227.3	67	31.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : -20 1 H3

Number of peaks found: 29 Corr. Area 1: 1,677.5
 Noise: 0.3

Peak table for sample 3 : -20 1 H3

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	8.38	119.0		51.52
3	168	8.94	80.5		57.31
4	179	28.85	243.5		58.36
5	201	18.24	137.2		60.41
6	213	7.96	56.6		61.46
7	226	23.59	158.3		62.62
8	233	6.95	45.2		63.30
9	273	28.27	157.1		66.88
10	328	7.87	36.3		71.66
11	335	49.38	223.1		72.24
12	355	14.83	63.3		73.82
13	365	63.72	264.4		74.66
14	390	6.28	24.4		76.71
15	404	41.47	155.6		77.71
16	450	168.65	567.7		80.34
17	506	14.26	42.7		83.44
18	530	63.09	180.2		84.55
19	550	177.65	489.2		85.44
20	645	340.95	800.6		89.12
21	720	396.09	833.6		91.12
22	975	258.70	401.9		94.54
23	1,249	253.75	307.8		96.49
24	1,623	64.72	60.4		98.91
25	1,817	51.27	42.7		100.17

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : -20 1 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,234	18.86	12.8		102.11
27	2,379	91.86	58.5		102.59
28	6,069	10.72	2.7		108.58
29	6,557	9.25	2.1		109.21
30	8,057	21.75	4.1		110.79
31	10,380	75.00	10.9	Upper Marker	113.00

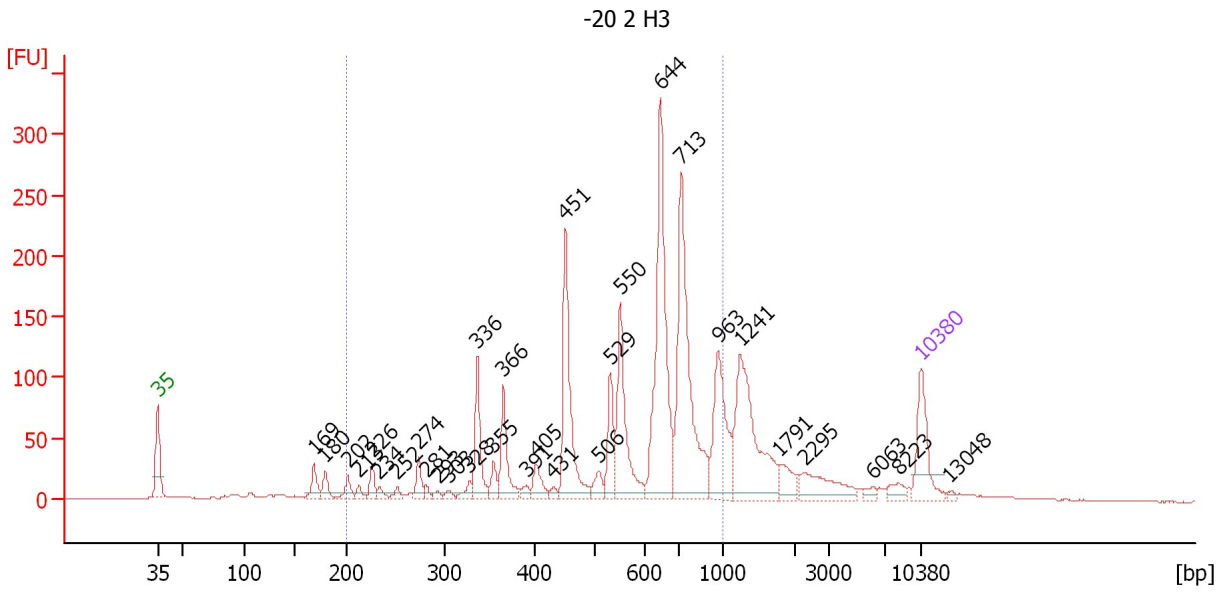
Region table for sample 3 : -20 1 H3

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	639	1,686.80	1,677.5	4,761.1	64	29.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : -20 2 H3

Number of peaks found: 31 Corr. Area 1: 1,749.6
 Noise: 0.3

Peak table for sample 4 : -20 2 H3

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	169	37.00	332.2		57.36
3	180	27.22	229.4		58.38
4	202	23.66	177.2		60.49
5	213	12.89	91.7		61.46
6	226	25.84	173.2		62.65
7	234	11.18	72.4		63.35
8	252	10.83	65.2		64.97
9	274	30.81	170.6		66.96
10	281	9.51	51.3		67.61
11	293	8.34	43.2		68.69
12	303	8.54	42.7		69.61
13	328	16.77	77.6		71.60
14	336	95.82	431.9		72.31
15	355	24.49	104.6		73.82
16	366	82.44	341.3		74.73
17	391	11.88	46.0		76.79
18	405	34.06	127.5		77.76
19	431	9.13	32.1		79.27
20	451	206.02	691.9		80.40
21	506	24.35	73.0		83.42
22	529	74.81	214.1		84.50
23	550	158.78	437.6		85.42
24	644	344.06	809.2		89.09
25	713	340.37	722.9		91.03

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : -20 2 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	963	143.29	225.4		94.38
27	1,241	217.78	266.0		96.43
28	1,791	33.04	28.0		99.99
29	2,295	60.23	39.8		102.31
30	6,063	7.88	2.0		108.57
31	8,223	15.17	2.8		110.95
32	10,380	75.00	10.9	Upper Marker	113.00
33	13,048	0.00	0.0		115.54

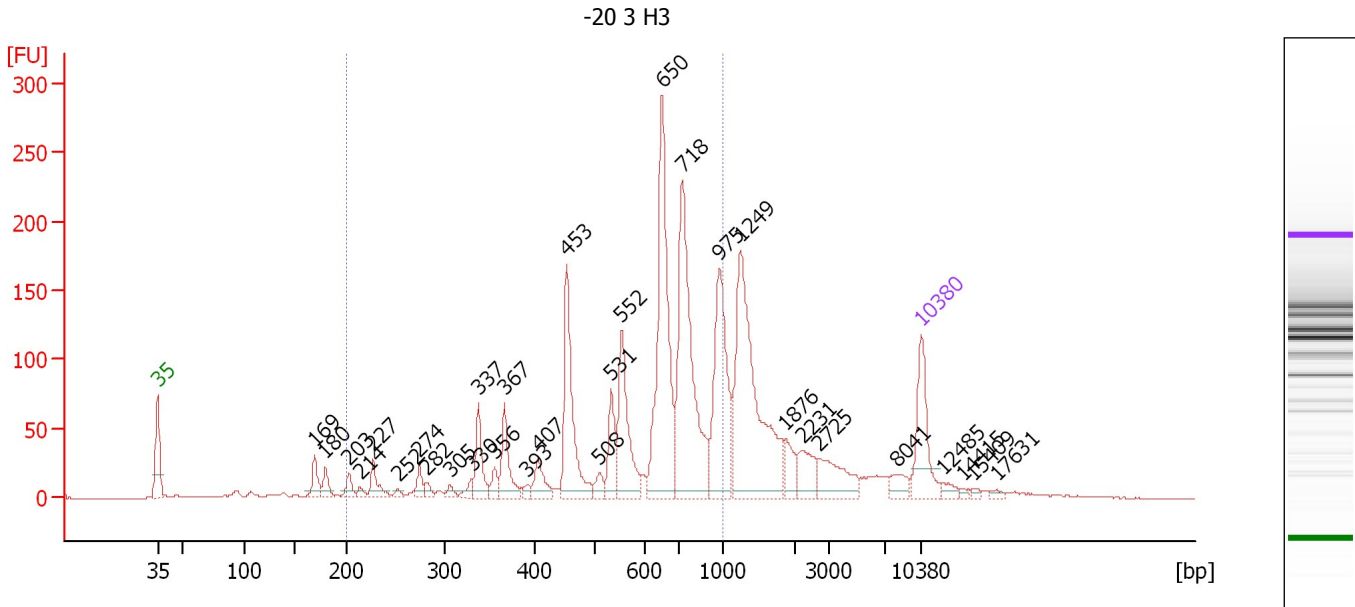
Region table for sample 4 : -20 2 H3

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	591	1,700.56	1,749.6	5,241.2	72	31.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : -20 3 H3

Number of peaks found: 31 Corr. Area 1: 1,628.6
 Noise: 0.3

Peak table for sample 5 : -20 3 H3

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	169	36.64	328.0		57.40
3	180	25.55	215.1		58.40
4	203	20.56	153.3		60.57
5	214	9.53	67.4		61.57
6	227	35.76	238.6		62.74
7	252	7.40	44.5		65.02
8	274	20.70	114.4		67.02
9	282	11.18	60.0		67.74
10	305	9.46	47.0		69.80
11	330	12.93	59.4		71.80
12	337	59.48	267.1		72.41
13	356	18.03	76.7		73.91
14	367	63.74	263.2		74.80
15	393	8.33	32.1		76.92
16	407	33.71	125.4		77.92
17	453	165.82	554.1		80.53
18	508	16.49	49.2		83.53
19	531	52.99	151.1		84.59
20	552	127.39	349.5		85.53
21	650	303.63	708.3		89.26
22	718	316.33	667.7		91.09
23	975	184.08	286.0		94.54
24	1,249	299.01	362.7		96.49
25	1,876	28.07	22.7		100.55

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : -20 3 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,231	41.21	28.0		102.10
27	2,725	55.66	31.0		103.71
28	8,041	19.83	3.7		110.78
29	10,380	75.00	10.9	Upper Marker	113.00
30	12,485	0.00	0.0		115.00
31	14,415	0.00	0.0		116.84
32	15,409	0.00	0.0		117.78
33	17,631	0.00	0.0		119.89

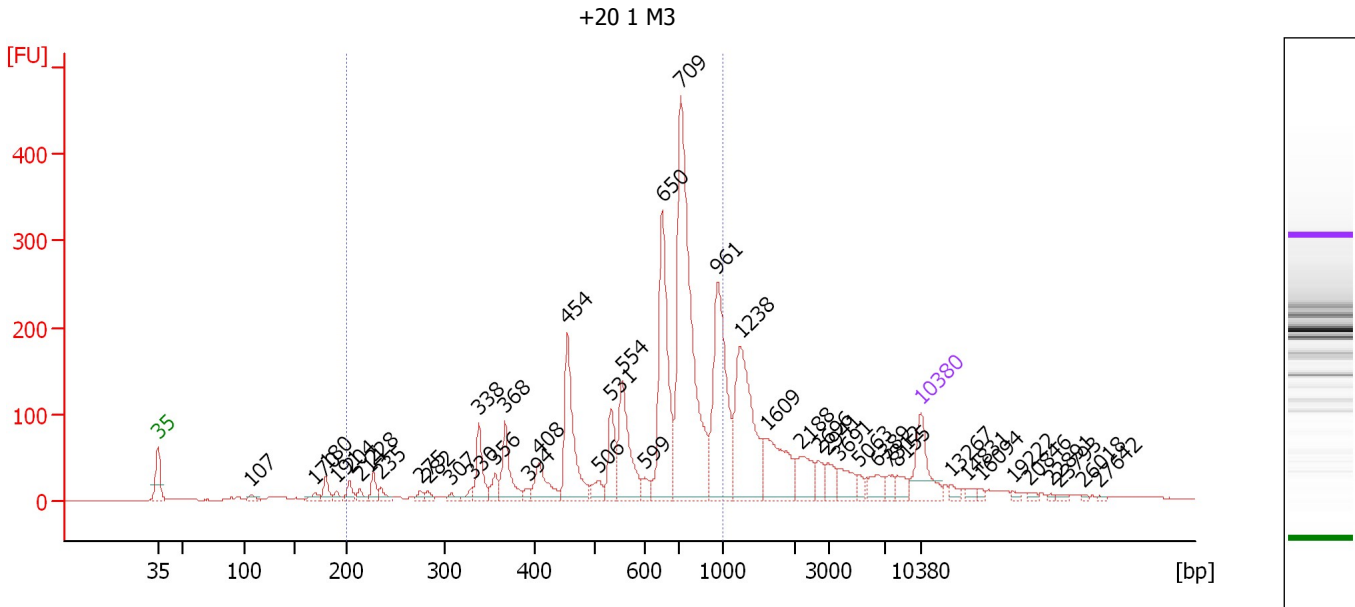
Region table for sample 5 : -20 3 H3

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	618	1,455.66	1,628.6	4,310.5	64	31.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : +20 1 M3

Number of peaks found: 44 Corr. Area 1: 2,304.6
 Noise: 0.4

Peak table for sample 6 : +20 1 M3

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	12.57	177.4		51.58
3	170	16.26	144.9		57.47
4	180	29.79	250.2		58.44
5	191	11.99	95.2		59.41
6	204	24.62	183.1		60.61
7	214	15.52	110.0		61.53
8	228	29.09	193.6		62.79
9	235	18.00	115.9		63.47
10	275	10.93	60.3		67.08
11	282	11.56	62.0		67.76
12	307	9.25	45.7		69.94
13	330	12.14	55.7		71.82
14	338	77.57	347.7		72.45
15	356	27.28	116.0		73.94
16	368	89.77	370.1		74.85
17	394	10.99	42.3		76.97
18	408	67.40	250.4		77.94
19	454	193.73	646.3		80.57
20	506	27.59	82.7		83.43
21	531	76.88	219.3		84.58
22	554	156.86	429.1		85.61
23	599	17.97	45.4		87.67
24	650	294.25	686.1		89.27
25	709	634.13	1,354.2		90.98

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

Created: 5/2/2018 1:53:54 PM
 Modified: 5/2/2018 2:35:55 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : +20 1 M3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	961	276.17	435.2		94.36
27	1,238	248.29	303.8		96.42
28	1,609	126.62	119.2		98.82
29	2,188	54.54	37.8		101.96
30	2,696	23.67	13.3		103.62
31	2,941	26.32	13.6		104.42
32	3,691	38.37	15.8		105.51
33	5,063	12.80	3.8		107.28
34	6,389	28.62	6.8		109.00
35	7,312	14.81	3.1		110.08
36	8,155	20.81	3.9		110.88
37	10,380	75.00	10.9	Upper Marker	113.00
38	13,267	0.00	0.0		115.75
39	14,831	0.00	0.0		117.23
40	16,094	0.00	0.0		118.43
41	19,222	0.00	0.0		121.41
42	20,846	0.00	0.0		122.95
43	22,891	0.00	0.0		124.90
44	23,793	0.00	0.0		125.75
45	26,018	0.00	0.0		127.87
46	27,642	0.00	0.0		129.41

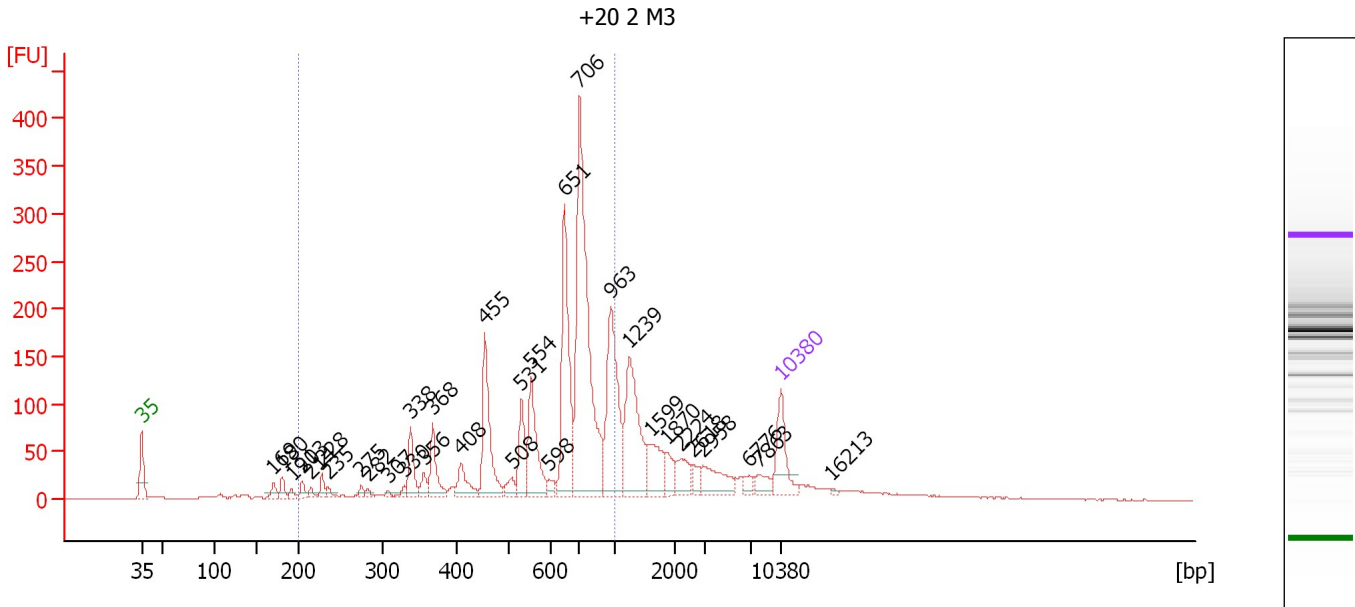
Region table for sample 6 : +20 1 M3

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	641	2,006.34	2,304.6	5,689.3	65	29.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : +20 2 M3

Number of peaks found: 32 Corr. Area 1: 2,028.0
 Noise: 0.5

Peak table for sample 7 : +20 2 M3

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	169	19.96	178.4		57.42
3	180	23.96	201.6		58.41
4	191	10.41	82.7		59.41
5	203	18.88	140.7		60.57
6	214	11.97	84.9		61.51
7	228	22.46	149.4		62.79
8	235	13.36	86.2		63.43
9	275	11.04	60.9		67.05
10	282	9.00	48.3		67.75
11	307	6.13	30.2		69.97
12	330	9.48	43.6		71.78
13	338	64.22	288.2		72.42
14	356	23.65	100.8		73.88
15	368	73.99	304.8		74.88
16	408	51.76	192.1		77.97
17	455	169.36	564.4		80.60
18	508	22.16	66.1		83.52
19	531	79.21	226.1		84.57
20	554	134.55	367.9		85.62
21	598	14.06	35.6		87.60
22	651	264.51	615.9		89.30
23	706	568.88	1,221.4		90.93
24	963	228.22	359.1		94.38
25	1,239	191.68	234.4		96.42

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 7 : +20 2 M3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,599	71.25	67.5		98.75
27	1,870	30.11	24.4		100.51
28	2,224	42.22	28.8		102.08
29	2,618	19.33	11.2		103.37
30	2,958	60.12	30.8		104.48
31	6,776	13.95	3.1		109.50
32	7,863	23.56	4.5		110.61
33	10,380	75.00	10.9	Upper Marker	113.00
34	16,213	0.00	0.0		118.55

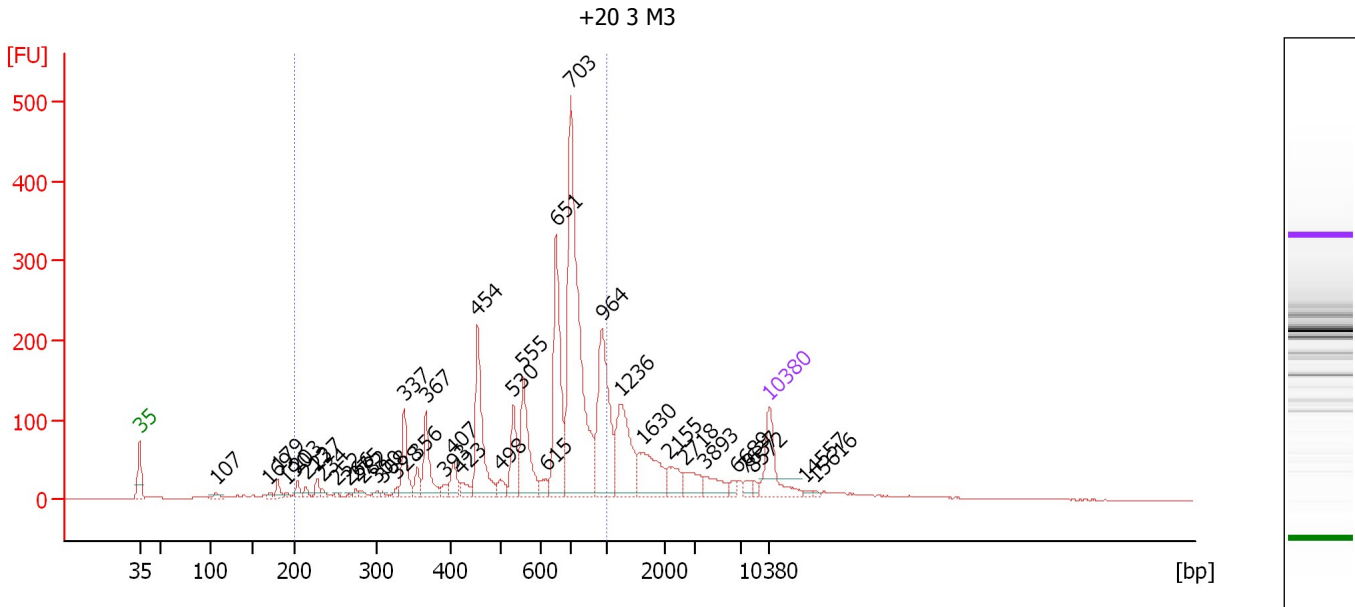
Region table for sample 7 : +20 2 M3

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	635	1,841.13	2,028.0	5,252.5	65	29.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : +20 3 M3

Number of peaks found: 39 Corr. Area 1: 2,395.3
 Noise: 0.4

Peak table for sample 8 : +20 3 M3

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	11.93	169.1		51.54
3	169	8.46	75.7		57.40
4	179	22.32	188.5		58.35
5	190	6.20	49.4		59.36
6	203	19.19	143.2		60.54
7	213	11.89	84.4		61.49
8	227	19.05	127.1		62.74
9	234	9.27	60.1		63.33
10	252	7.01	42.1		64.99
11	266	3.72	21.2		66.29
12	275	8.62	47.5		67.06
13	282	8.45	45.4		67.72
14	300	7.72	39.0		69.38
15	308	6.42	31.5		70.03
16	328	10.14	46.9		71.63
17	337	83.98	377.2		72.40
18	356	26.49	112.9		73.88
19	367	89.79	370.5		74.83
20	393	12.16	46.9		76.90
21	407	36.96	137.5		77.91
22	423	21.19	75.9		78.80
23	454	183.04	610.5		80.58
24	498	21.55	65.5		83.07
25	530	77.72	222.0		84.55

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : +20 3 M3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	555	138.66	378.3		85.68
27	615	18.60	45.8		88.17
28	651	242.16	564.0		89.29
29	703	576.37	1,242.7		90.89
30	964	218.45	343.4		94.39
31	1,236	143.44	175.8		96.40
32	1,630	93.26	86.7		98.95
33	2,155	35.22	24.8		101.86
34	2,718	35.72	19.9		103.69
35	3,893	31.98	12.4		105.77
36	6,689	10.39	2.4		109.38
37	7,637	10.43	2.1		110.39
38	8,572	7.21	1.3		111.28
39	10,380	75.00	10.9	Upper Marker	113.00
40	14,557	0.00	0.0		116.97
41	15,616	0.00	0.0		117.98

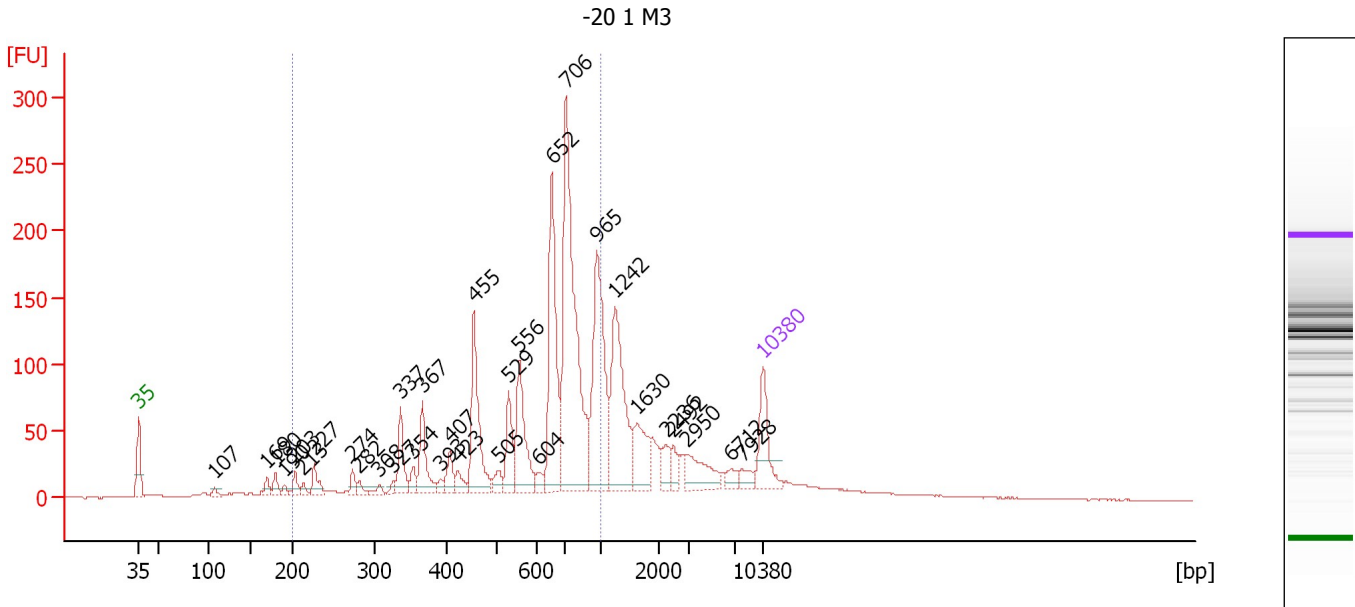
Region table for sample 8 : +20 3 M3

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	1,874.09	2,395.3	5,437.8	70	30.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : -20 1 M3

Number of peaks found: 32 Corr. Area 1: 1,735.8
 Noise: 0.2

Peak table for sample 9 : -20 1 M3


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	13.03	184.4		51.55
3	169	18.72	167.6		57.41
4	180	24.00	202.5		58.36
5	190	10.68	85.3		59.32
6	203	25.29	189.1		60.51
7	213	13.05	92.8		61.47
8	227	37.94	253.2		62.73
9	274	20.75	114.6		67.03
10	282	13.20	70.8		67.75
11	308	10.71	52.7		70.02
12	327	10.26	47.5		71.57
13	337	71.94	323.7		72.35
14	354	22.57	96.5		73.79
15	367	82.70	341.6		74.80
16	393	12.02	46.4		76.89
17	407	35.91	133.6		77.91
18	423	23.48	84.1		78.81
19	455	174.69	582.1		80.60
20	505	22.65	67.9		83.41
21	529	74.49	213.3		84.49
22	556	135.99	370.9		85.68
23	604	16.54	41.5		87.83
24	652	258.85	601.8		89.33
25	706	534.68	1,146.7		90.94

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 9 : -20 1 M3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	965	271.39	425.9		94.41
27	1,242	218.74	266.8		96.44
28	1,630	78.89	73.3		98.95
29	2,236	30.50	20.7		102.12
30	2,492	22.89	13.9		102.96
31	2,950	63.35	32.5		104.45
32	6,712	18.20	4.1		109.41
33	7,928	18.57	3.5		110.67
34	 10,380	75.00	10.9	Upper Marker	113.00

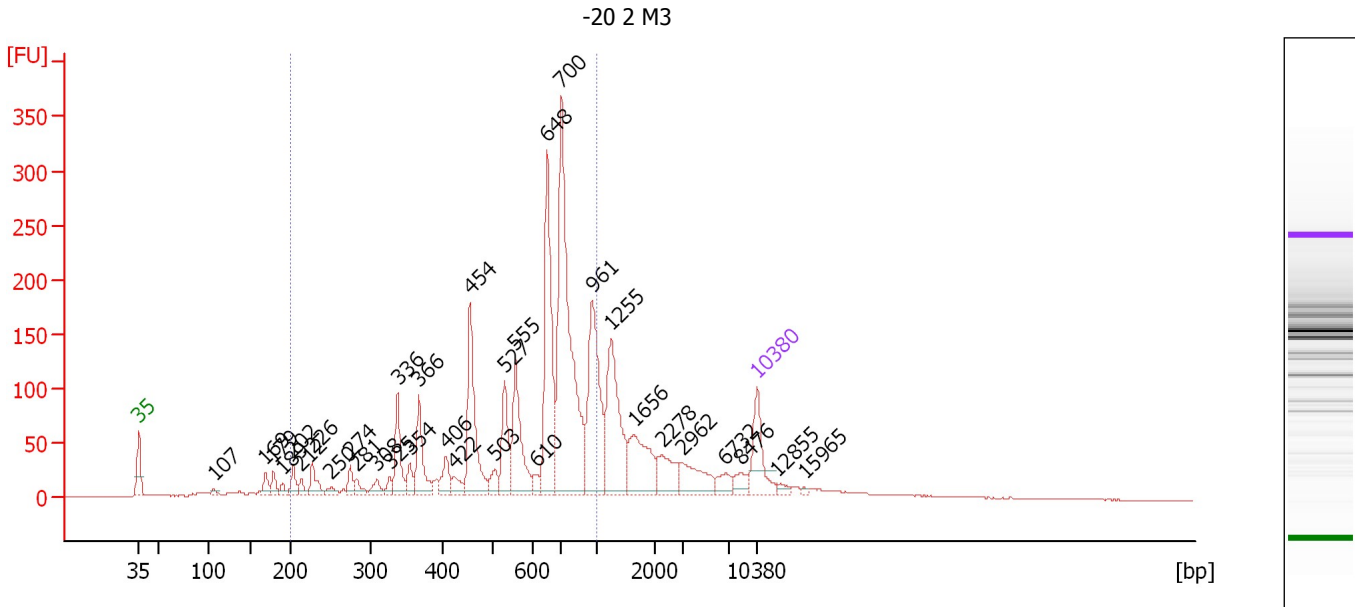
Region table for sample 9 : -20 1 M3

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	627	1,976.85	1,735.8	5,847.9	 64	31.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : -20 2 M3

Number of peaks found: 33 Corr. Area 1: 2,114.9
 Noise: 0.3

Peak table for sample 10 : -20 2 M3

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	12.49	177.5		51.51
3	169	28.17	252.9		57.36
4	179	26.17	222.1		58.27
5	189	14.87	118.9		59.29
6	202	32.36	242.2		60.50
7	212	20.01	142.7		61.41
8	226	47.02	314.7		62.67
9	250	16.23	98.3		64.84
10	274	27.18	150.6		66.96
11	281	21.33	114.8		67.68
12	308	23.95	118.0		69.97
13	325	16.75	78.0		71.42
14	336	87.25	392.9		72.33
15	354	29.04	124.5		73.72
16	366	95.08	393.5		74.74
17	406	40.93	152.9		77.82
18	422	26.09	93.8		78.72
19	454	191.58	640.0		80.53
20	503	27.30	82.2		83.31
21	527	92.60	266.2		84.40
22	555	145.08	396.0		85.66
23	610	16.72	41.5		88.02
24	648	283.31	662.0		89.22
25	700	553.97	1,199.2		90.85

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 10 : -20 2 M3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	961	227.17	358.1		94.35
27	1,255	193.03	233.0		96.53
28	1,656	114.72	105.0		99.12
29	2,278	56.93	37.9		102.26
30	2,962	65.41	33.5		104.49
31	6,732	24.27	5.5		109.44
32	8,476	19.85	3.5		111.19
33	10,380	75.00	10.9	Upper Marker	113.00
34	12,855	0.00	0.0		115.35
35	15,965	0.00	0.0		118.31

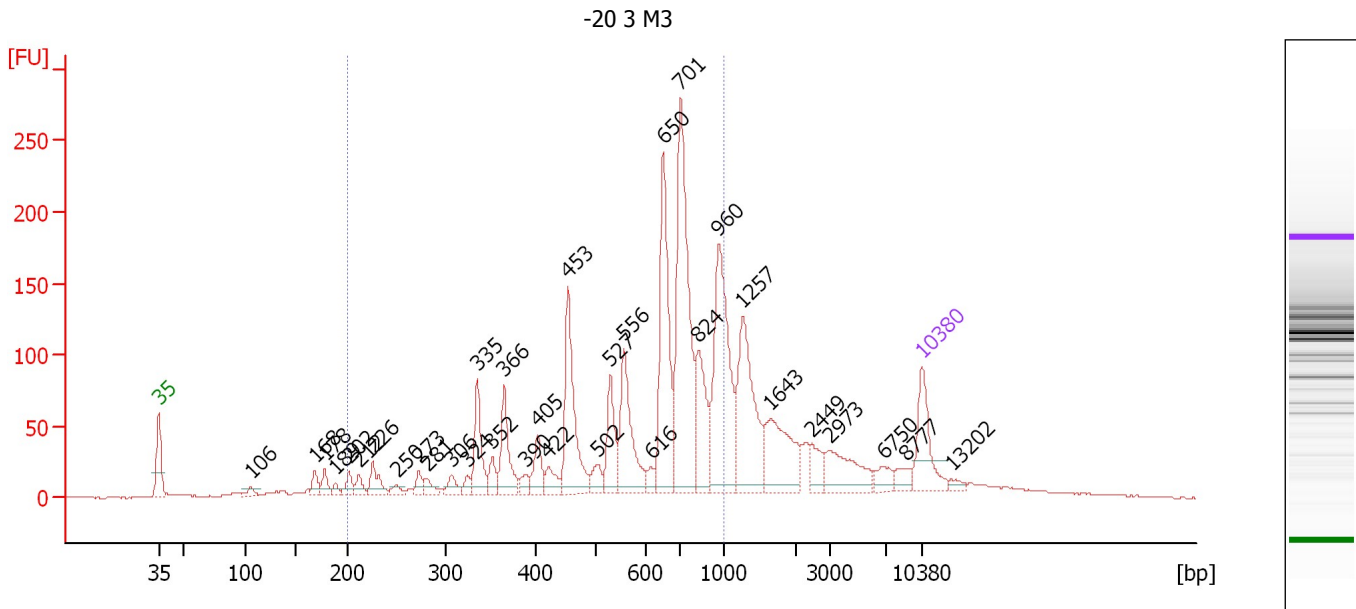
Region table for sample 10 : -20 2 M3

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	611	2,064.73	2,114.9	6,309.3	67	32.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : -20 3 M3

Number of peaks found: 34 Corr. Area 1: 1,819.9
 Noise: 0.3

Peak table for sample 11 : -20 3 M3


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	106	14.59	208.0		51.48
3	168	25.02	225.0		57.33
4	178	25.11	213.4		58.24
5	189	11.01	88.4		59.22
6	202	22.67	170.2		60.44
7	212	20.96	149.9		61.35
8	226	40.64	272.5		62.63
9	250	13.53	81.9		64.83
10	273	18.90	104.9		66.90
11	281	19.42	104.7		67.63
12	306	21.91	108.3		69.89
13	324	13.97	65.4		71.29
14	335	87.41	395.4		72.21
15	352	27.97	120.3		73.61
16	366	85.63	354.8		74.71
17	390	16.77	65.2		76.66
18	405	43.03	161.2		77.76
19	422	28.92	103.9		78.73
20	453	176.81	591.5		80.50
21	502	25.86	78.1		83.24
22	527	82.35	236.7		84.40
23	556	137.03	373.7		85.68
24	616	14.66	36.1		88.18
25	650	235.84	549.5		89.28

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : -20 3 M3

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	701	371.32	802.8		90.87
27	824	113.25	208.3		92.51
28	960	255.10	402.5		94.34
29	1,257	183.96	221.7		96.54
30	1,643	117.12	108.0		99.04
31	2,449	32.36	20.0		102.82
32	2,973	72.62	37.0		104.52
33	6,750	20.29	4.6		109.46
34	8,777	17.67	3.0		111.48
35	 10,380	75.00	10.9	Upper Marker	113.00
36	13,202	0.00	0.0		115.68

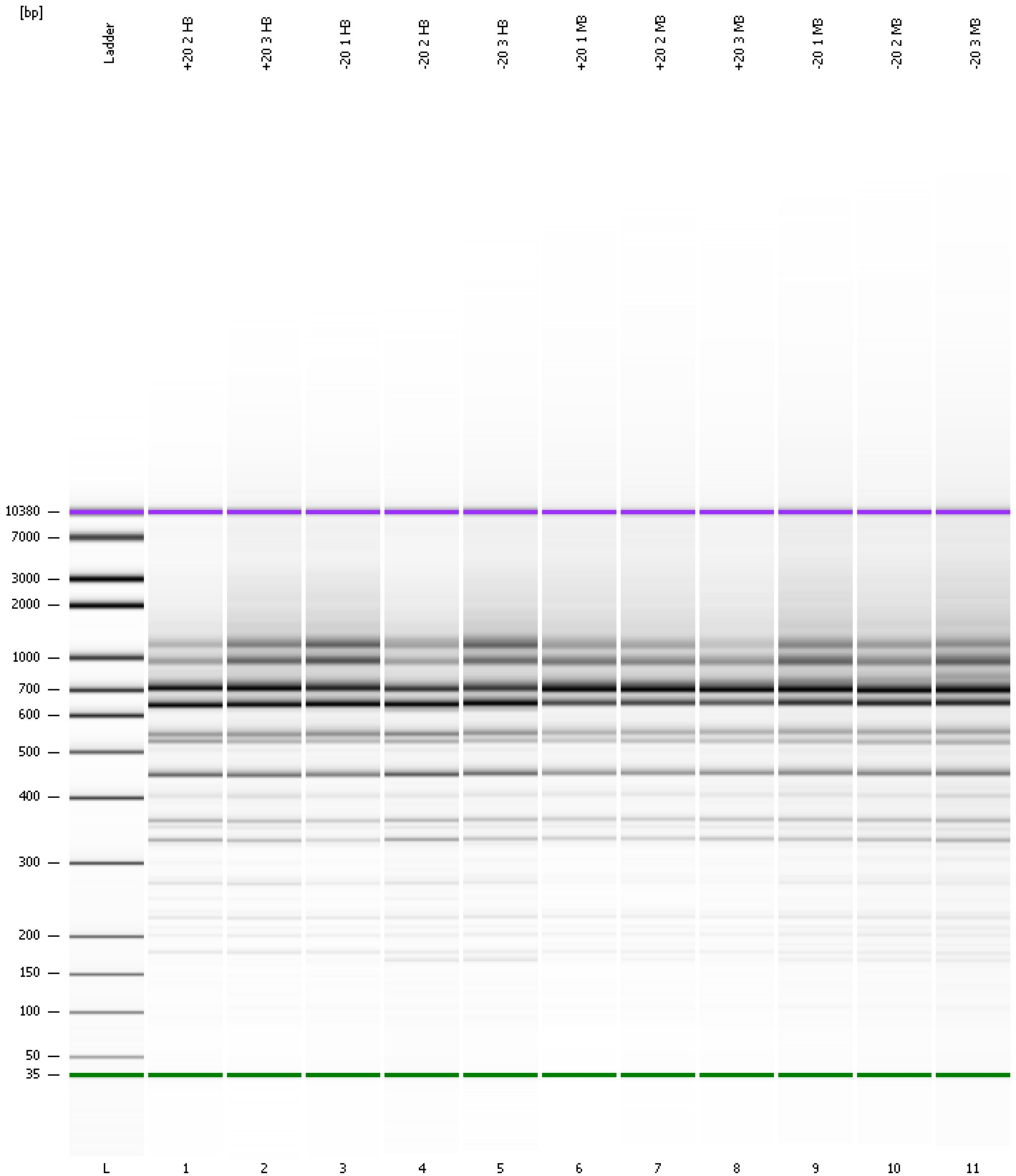
Region table for sample 11 : -20 3 M3

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	612	1,946.80	1,819.9	5,957.6	 64	33.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_003.xad

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Curves

Standard Curve

