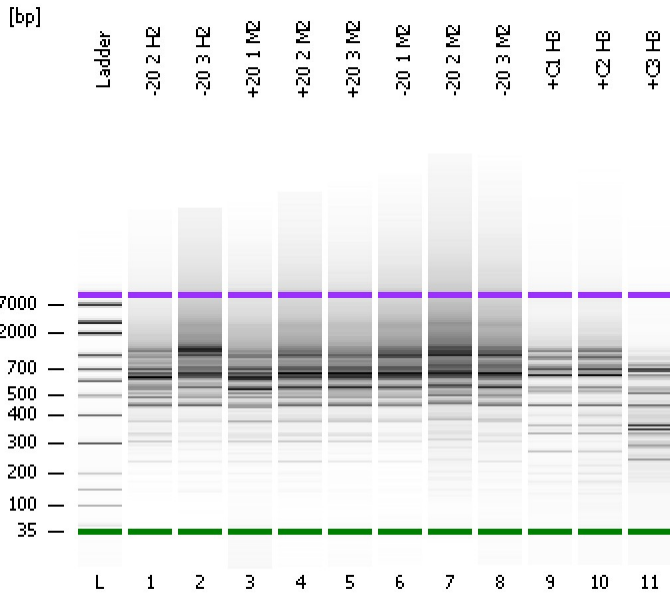


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
Modified: 5/1/2018 3:56:37 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

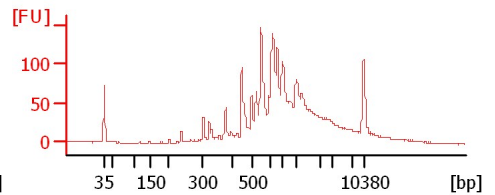
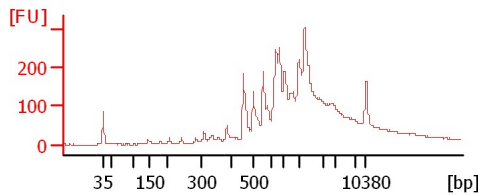
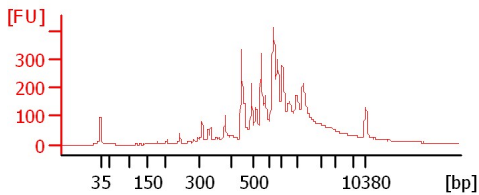
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

-20 2 H2

-20 3 H2

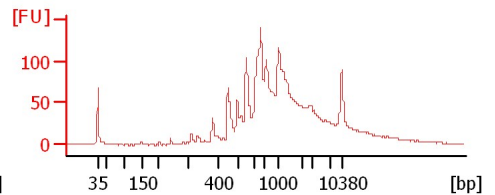
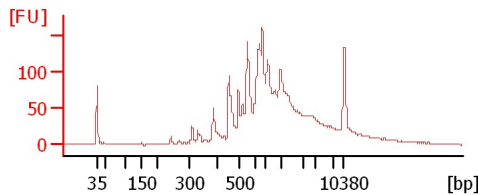
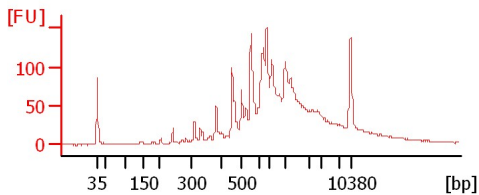
+20 1 M2



+20 2 M2

+20 3 M2

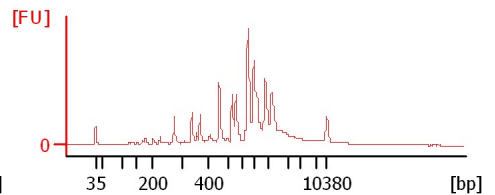
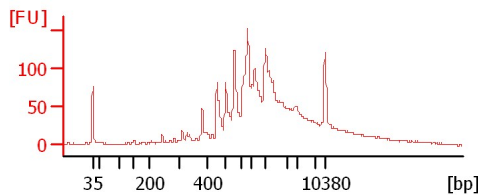
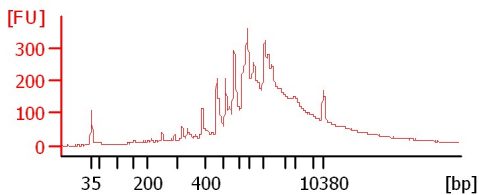
-20 1 M2



-20 2 M2

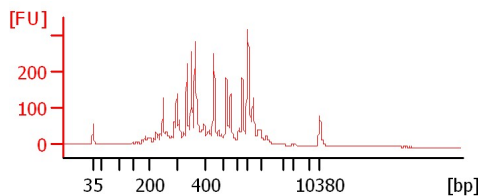
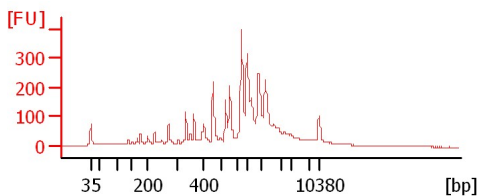
-20 3 M2

+C1 H3



+C2 H3

+C3 H3



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
Modified: 5/1/2018 3:56:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
-20 2 H2		<input type="checkbox"/>	✓			
-20 3 H2		<input type="checkbox"/>	✓			
+20 1 M2		<input type="checkbox"/>	✓			
+20 2 M2		<input type="checkbox"/>	✓			
+20 3 M2		<input type="checkbox"/>	✓			
-20 1 M2		<input type="checkbox"/>	✓			
-20 2 M2		<input type="checkbox"/>	✓			
-20 3 M2		<input type="checkbox"/>	✓			
+C1 H3		<input type="checkbox"/>	✓			
+C2 H3		<input type="checkbox"/>	✓			
+C3 H3		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
Modified: 5/1/2018 3:56:37 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

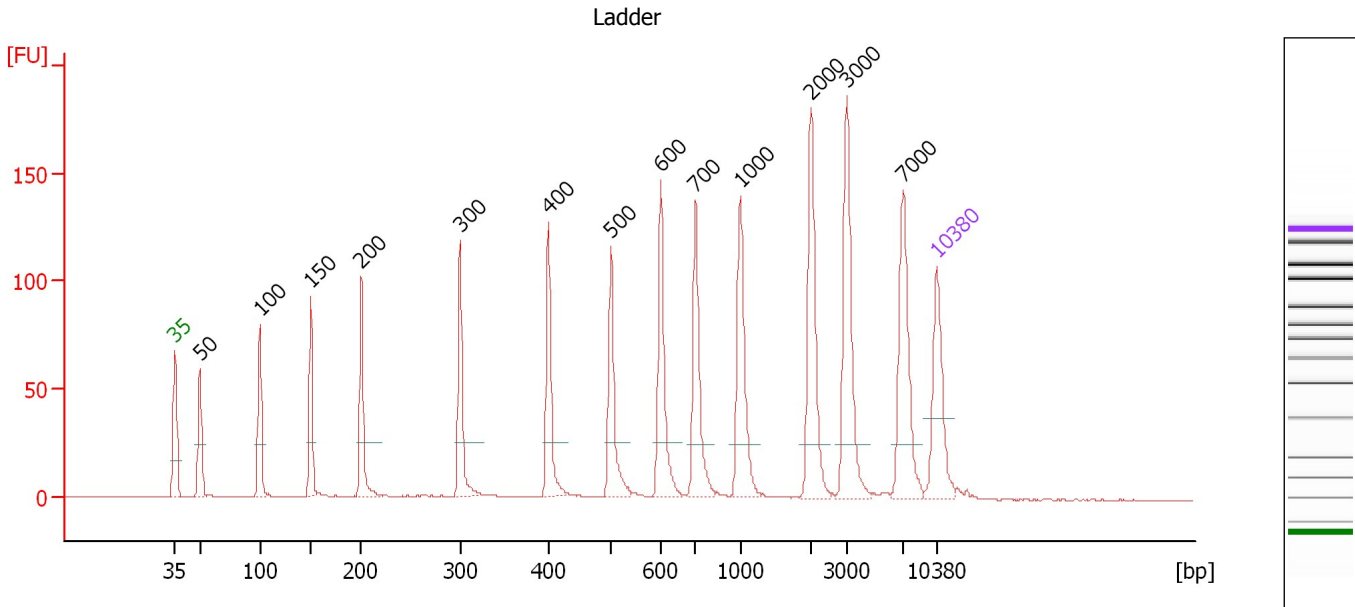
Ladder

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\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

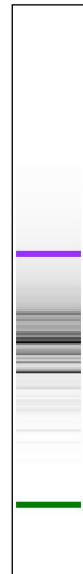
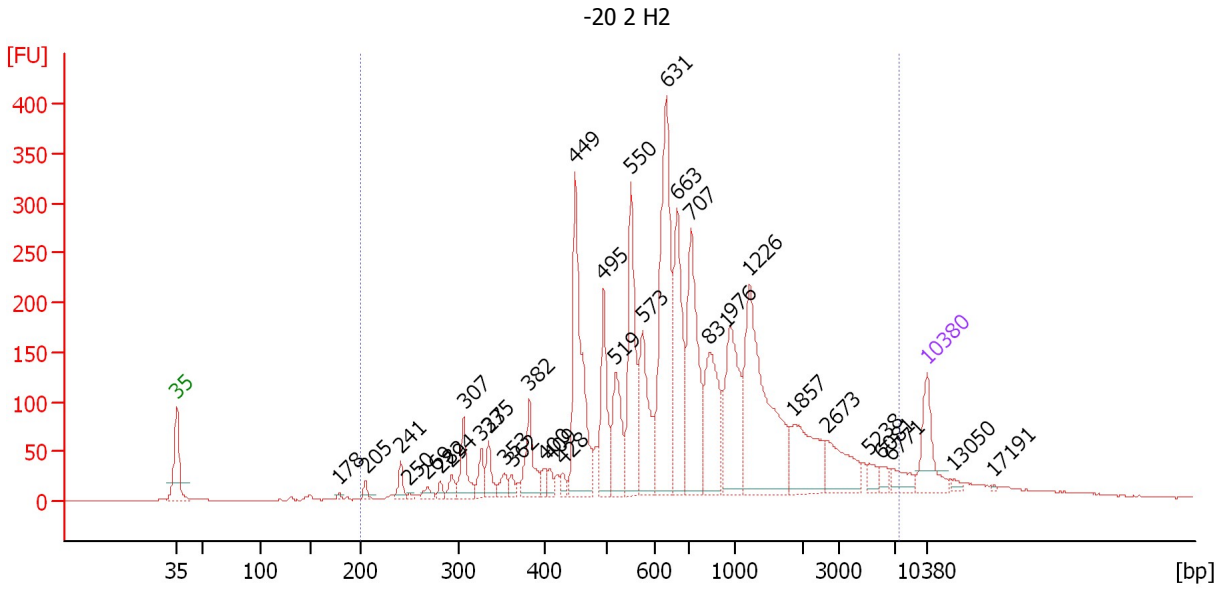
Peak table for Ladder

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	45.30
3	100	150.00	2,272.7	Ladder Peak	50.84
4	150	150.00	1,515.2	Ladder Peak	55.49
5	200	150.00	1,136.4	Ladder Peak	60.14
6	300	150.00	757.6	Ladder Peak	69.21
7	400	150.00	568.2	Ladder Peak	77.34
8	500	150.00	454.5	Ladder Peak	83.07
9	600	150.00	378.8	Ladder Peak	87.67
10	700	150.00	324.7	Ladder Peak	90.86
11	1,000	150.00	227.3	Ladder Peak	94.97
12	2,000	150.00	113.6	Ladder Peak	101.44
13	3,000	150.00	75.8	Ladder Peak	104.72
14	7,000	150.00	32.5	Ladder Peak	109.91
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : -20 2 H2

Number of peaks found: 34 Corr. Area 1: 4,496.2
 Noise: 0.3

Peak table for sample 1 : -20 2 H2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	178	5.67	48.2		58.12
3	205	14.33	105.8		60.61
4	241	30.30	190.2		63.90
5	250	6.01	36.4		64.69
6	269	15.45	87.1		66.38
7	282	13.69	73.6		67.58
8	294	21.07	108.8		68.62
9	307	75.44	372.5		69.77
10	327	38.00	176.0		71.41
11	335	44.30	200.4		72.05
12	353	24.74	106.1		73.55
13	362	15.60	65.3		74.24
14	382	92.92	368.4		75.89
15	400	21.21	80.4		77.33
16	409	17.37	64.4		77.83
17	428	16.89	59.7		78.97
18	449	325.13	1,096.4		80.16
19	495	145.18	444.1		82.80
20	519	122.24	356.9		83.95
21	550	221.80	610.6		85.39
22	573	170.52	450.9		86.43
23	631	395.16	948.4		88.67
24	663	232.78	532.3		89.67
25	707	279.53	598.7		90.96

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : -20 2 H2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	831	183.29	334.3		92.65
27	976	195.64	303.8		94.64
28	1,226	369.35	456.6		96.43
29	1,857	128.80	105.1		100.51
30	2,673	86.91	49.3		103.65
31	5,238	15.98	4.6		107.63
32	6,081	16.00	4.0		108.72
33	6,771	27.68	6.2		109.62
34	10,380	75.00	10.9	Upper Marker	113.00
35	13,050	0.00	0.0		115.44
36	17,191	0.00	0.0		119.22

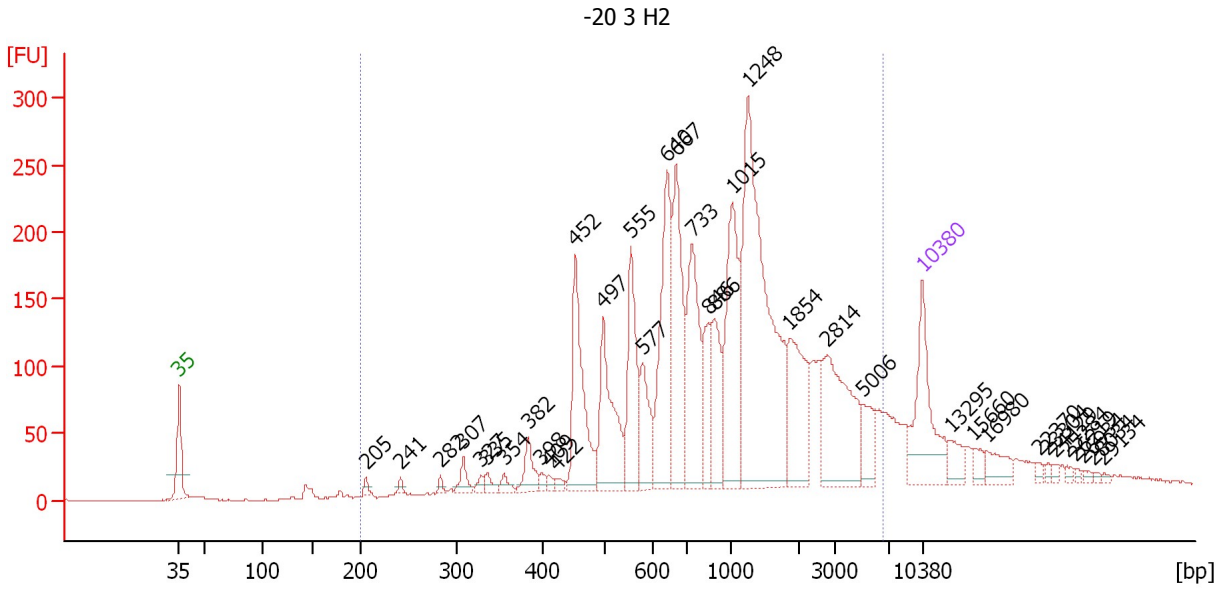
Region table for sample 1 : -20 2 H2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	7,504	1,062	3,537.90	4,496.2	8,744.2	96	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : -20 3 H2

Number of peaks found: 36 Corr. Area 1: 3,886.0
 Noise: 0.4

Peak table for sample 2 : -20 3 H2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	205	5.32	39.3		60.63
3	241	5.10	32.0		63.89
4	282	4.87	26.1		67.61
5	307	15.20	75.1		69.76
6	327	6.28	29.1		71.42
7	335	9.27	42.0		72.02
8	354	8.11	34.7		73.58
9	382	26.12	103.5		75.89
10	398	5.30	20.2		77.15
11	409	4.81	17.8		77.85
12	422	6.02	21.6		78.60
13	452	124.63	417.9		80.31
14	497	105.18	320.4		82.92
15	555	91.77	250.7		85.58
16	577	51.64	135.5		86.64
17	640	139.26	329.7		88.95
18	667	130.53	296.6		89.80
19	733	119.24	246.6		91.31
20	846	45.81	82.0		92.86
21	886	60.54	103.5		93.42
22	1,015	123.61	184.4		95.07
23	1,248	316.05	383.6		96.58
24	1,854	80.39	65.7		100.50
25	2,814	109.68	59.1		104.11

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : -20 3 H2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	5,006	26.86	8.1		107.33
27	10,380	75.00	10.9	Upper Marker	113.00
28	13,295	0.00	0.0		115.66
29	15,660	0.00	0.0		117.82
30	16,980	0.00	0.0		119.03
31	22,370	0.00	0.0		123.95
32	23,304	0.00	0.0		124.80
33	24,129	0.00	0.0		125.55
34	25,284	0.00	0.0		126.61
35	26,219	0.00	0.0		127.46
36	26,934	0.00	0.0		128.11
37	28,034	0.00	0.0		129.12
38	29,134	0.00	0.0		130.12

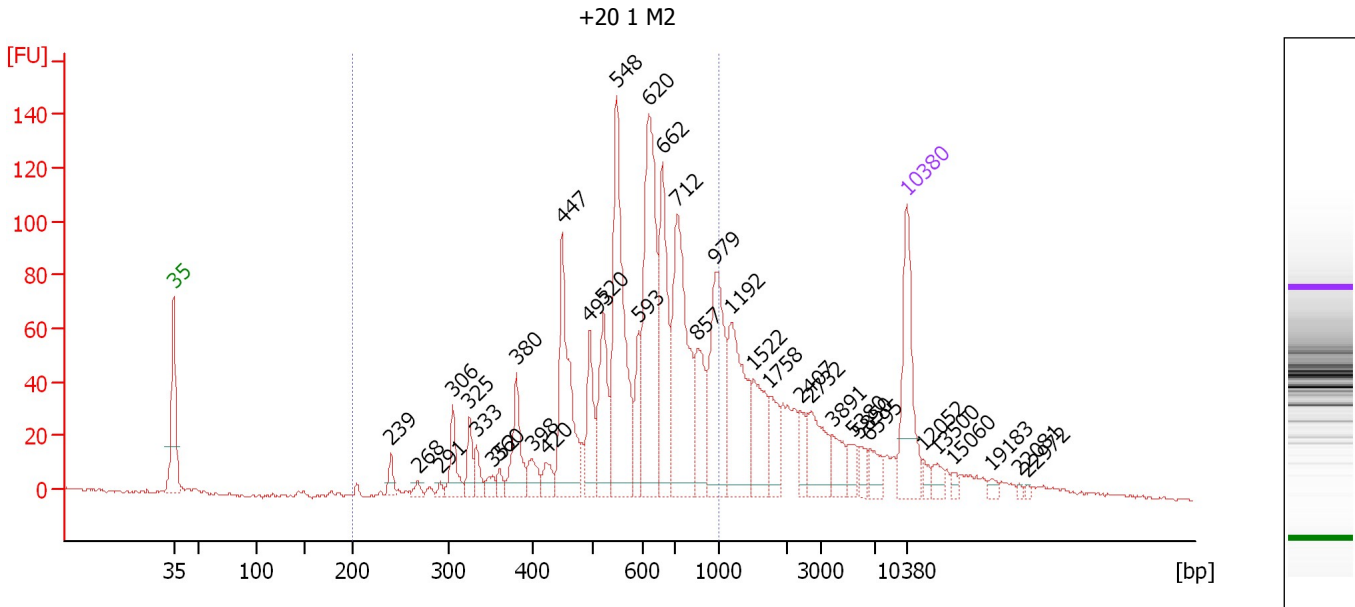
Region table for sample 2 : -20 3 H2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	6,502	1,372	1,685.60	3,886.0	3,314.3	91	87.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : +20 1 M2

Number of peaks found: 36 Corr. Area 1: 1,357.9
 Noise: 0.8

Peak table for sample 3 : +20 1 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	239	14.90	94.3		63.70
3	268	6.91	39.1		66.30
4	291	4.53	23.5		68.44
5	306	37.06	183.8		69.66
6	325	24.03	112.1		71.23
7	333	17.43	79.3		71.90
8	352	10.28	44.3		73.42
9	360	9.54	40.1		74.08
10	380	53.11	211.8		75.71
11	398	20.68	78.7		77.19
12	420	17.64	63.6		78.51
13	447	131.57	445.9		80.03
14	493	54.06	166.1		82.68
15	520	75.23	219.1		84.00
16	548	194.18	537.0		85.27
17	593	38.25	97.7		87.36
18	620	194.45	474.8		88.33
19	662	115.03	263.3		89.65
20	712	171.48	364.9		91.02
21	857	57.93	102.5		93.01
22	979	118.57	183.5		94.69
23	1,192	101.96	129.6		96.21
24	1,522	50.70	50.5		98.35
25	1,758	31.92	27.5		99.88

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : +20 1 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,407	18.38	11.6		102.77
27	2,732	42.76	23.7		103.84
28	3,891	21.48	8.4		105.88
29	5,380	14.58	4.1		107.81
30	5,850	11.20	2.9		108.42
31	6,595	16.42	3.8		109.39
32	10,380	75.00	10.9	Upper Marker	113.00
33	12,052	0.00	0.0		114.53
34	13,500	0.00	0.0		115.85
35	15,060	0.00	0.0		117.27
36	19,183	0.00	0.0		121.04
37	22,081	0.00	0.0		123.68
38	22,972	0.00	0.0		124.50

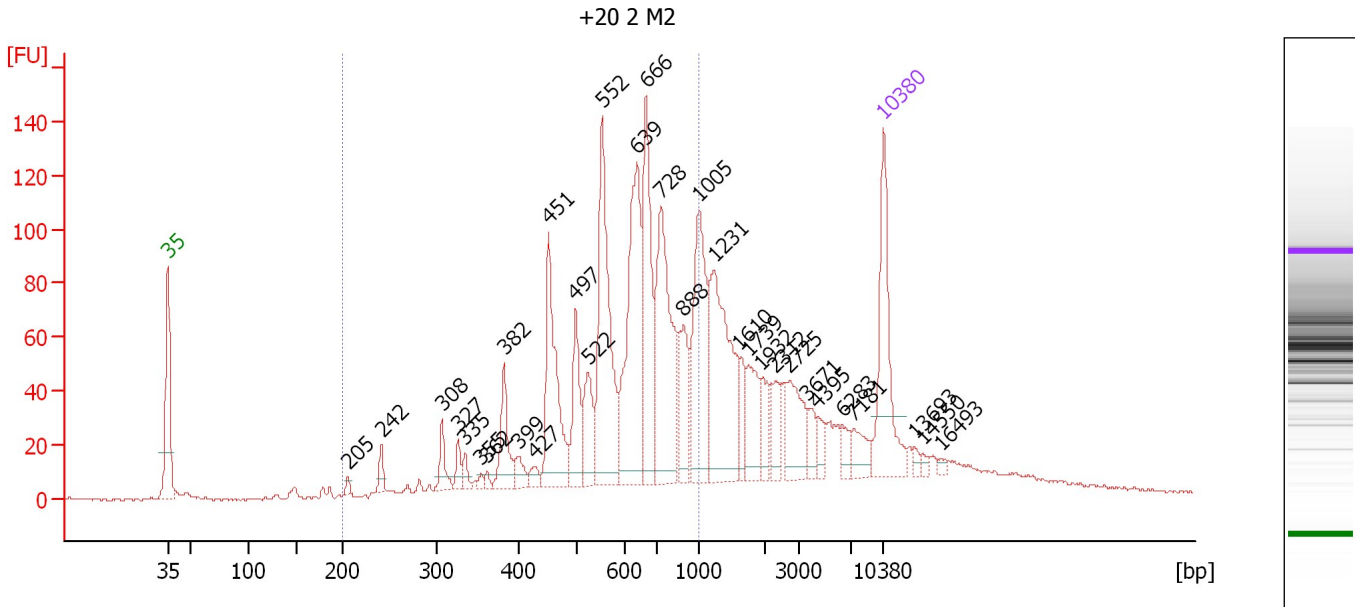
Region table for sample 3 : +20 1 M2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	611	1,280.99	1,357.9	3,560.9	69	26.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : +20 2 M2

Number of peaks found: 32 Corr. Area 1: 1,383.8
 Noise: 0.5

Peak table for sample 4 : +20 2 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	205	3.88	28.6		60.63
3	242	11.71	73.4		63.92
4	308	20.41	100.4		69.86
5	327	11.74	54.3		71.43
6	335	9.22	41.7		72.05
7	355	3.73	15.9		73.67
8	362	3.56	14.9		74.24
9	382	40.64	161.0		75.91
10	399	12.44	47.2		77.27
11	427	8.43	29.9		78.89
12	451	108.09	363.4		80.24
13	497	50.40	153.6		82.90
14	522	40.57	117.7		84.10
15	552	148.02	406.4		85.46
16	639	154.20	365.9		88.90
17	666	113.58	258.2		89.79
18	728	140.19	291.6		91.25
19	888	39.40	67.2		93.44
20	1,005	104.62	157.8		95.00
21	1,231	125.64	154.7		96.46
22	1,610	19.24	18.1		98.92
23	1,739	35.83	31.2		99.75
24	1,932	20.75	16.3		101.00
25	2,312	22.20	14.5		102.46

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : +20 2 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,725	42.74	23.8		103.82
27	3,671	12.97	5.4		105.59
28	4,395	11.21	3.9		106.53
29	6,283	9.32	2.2		108.98
30	7,181	17.79	3.8		110.08
31	10,380	75.00	10.9	Upper Marker	113.00
32	13,693	0.00	0.0		116.03
33	14,550	0.00	0.0		116.81
34	16,493	0.00	0.0		118.58

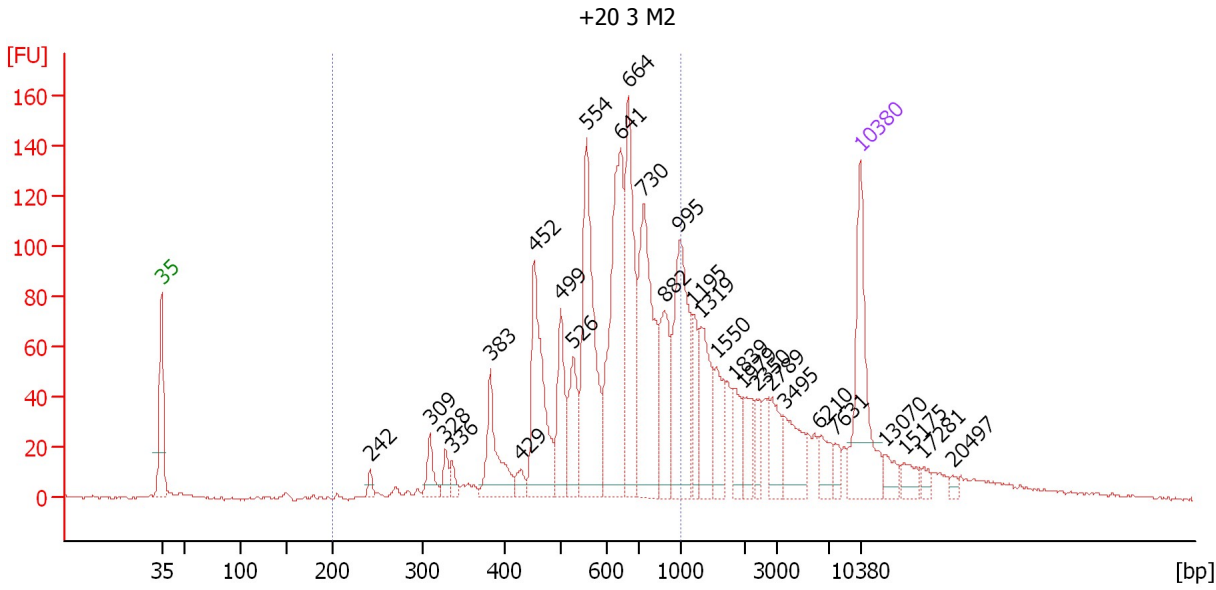
Region table for sample 4 : +20 2 M2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	614	1,084.00	1,383.8	3,050.1	62	27.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : +20 3 M2

Number of peaks found: 29 Corr. Area 1: 1,497.2
 Noise: 0.7

Peak table for sample 5 : +20 3 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	242	7.13	44.7		63.93
3	309	20.68	101.5		69.91
4	328	12.05	55.7		71.46
5	336	9.42	42.5		72.10
6	383	56.65	224.2		75.94
7	429	10.03	35.5		78.99
8	452	108.25	362.8		80.32
9	499	53.15	161.5		82.99
10	526	44.78	128.9		84.27
11	554	145.95	399.2		85.56
12	641	155.21	367.0		88.97
13	664	116.61	266.0		89.72
14	730	141.00	292.7		91.27
15	882	56.56	97.2		93.35
16	995	105.14	160.2		94.90
17	1,195	29.07	36.9		96.23
18	1,319	52.36	60.2		97.04
19	1,550	30.40	29.7		98.53
20	1,839	21.09	17.4		100.40
21	1,979	22.71	17.4		101.31
22	2,350	13.69	8.8		102.59
23	2,789	23.24	12.6		104.03
24	3,495	32.57	14.1		105.36
25	6,210	16.79	4.1		108.89

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : +20 3 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	7,631	7.50	1.5		110.49
27	10,380	75.00	10.9	Upper Marker	113.00
28	13,070	0.00	0.0		115.46
29	15,175	0.00	0.0		117.38
30	17,281	0.00	0.0		119.30
31	20,497	0.00	0.0		122.24

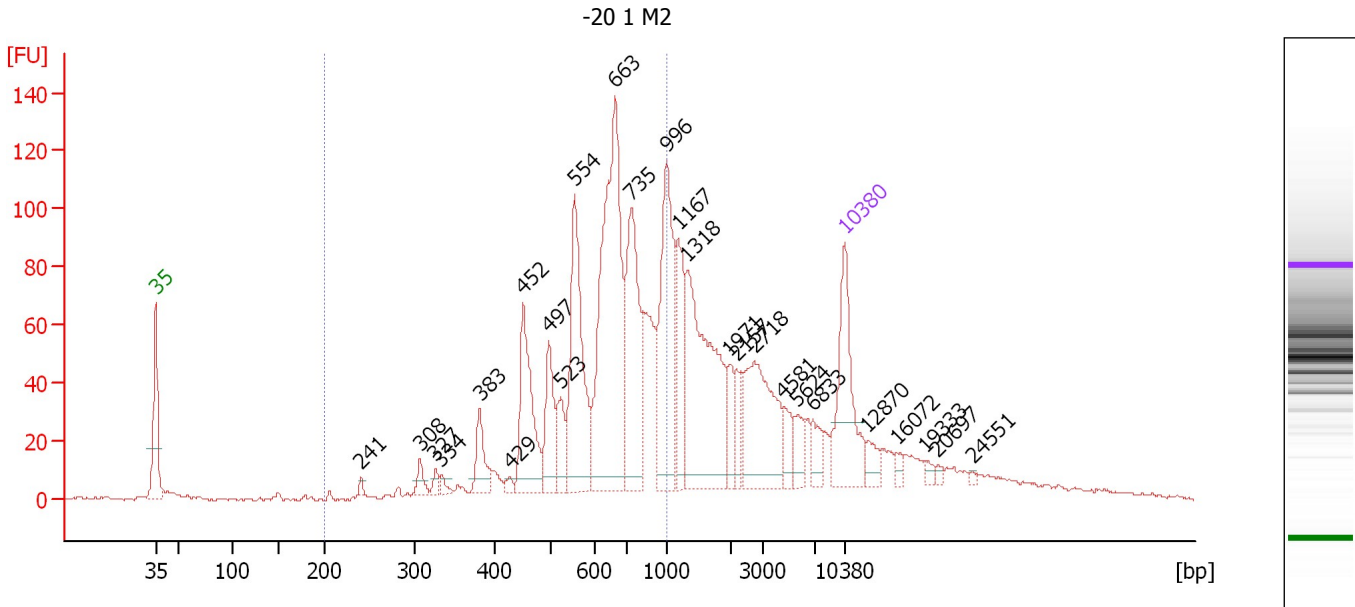
Region table for sample 5 : +20 3 M2

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	623	1,001.54	1,497.2	2,719.1	64	26.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : -20 1 M2

Number of peaks found: 26 Corr. Area 1: 1,189.1
 Noise: 0.5

Peak table for sample 6 : -20 1 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	241	4.66	29.3		63.84
3	308	11.66	57.4		69.85
4	327	7.01	32.5		71.42
5	334	6.30	28.6		71.96
6	383	32.83	130.0		75.92
7	429	5.29	18.7		79.00
8	452	96.50	323.7		80.30
9	497	52.16	159.0		82.90
10	523	30.76	89.0		84.14
11	554	137.98	377.4		85.55
12	663	269.78	616.9		89.67
13	735	133.08	274.2		91.34
14	996	132.78	202.0		94.92
15	1,167	56.19	72.9		96.05
16	1,318	167.67	192.8		97.03
17	1,971	21.95	16.9		101.25
18	2,157	18.23	12.8		101.96
19	2,718	91.84	51.2		103.80
20	4,581	17.71	5.9		106.77
21	5,624	17.90	4.8		108.13
22	6,833	16.72	3.7		109.70
23	10,380	75.00	10.9	Upper Marker	113.00
24	12,870	0.00	0.0		115.27
25	16,072	0.00	0.0		118.20

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : -20 1 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	19,333	0.00	0.0		121.17
27	20,697	0.00	0.0		122.42
28	24,551	0.00	0.0		125.94

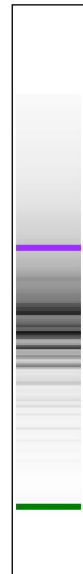
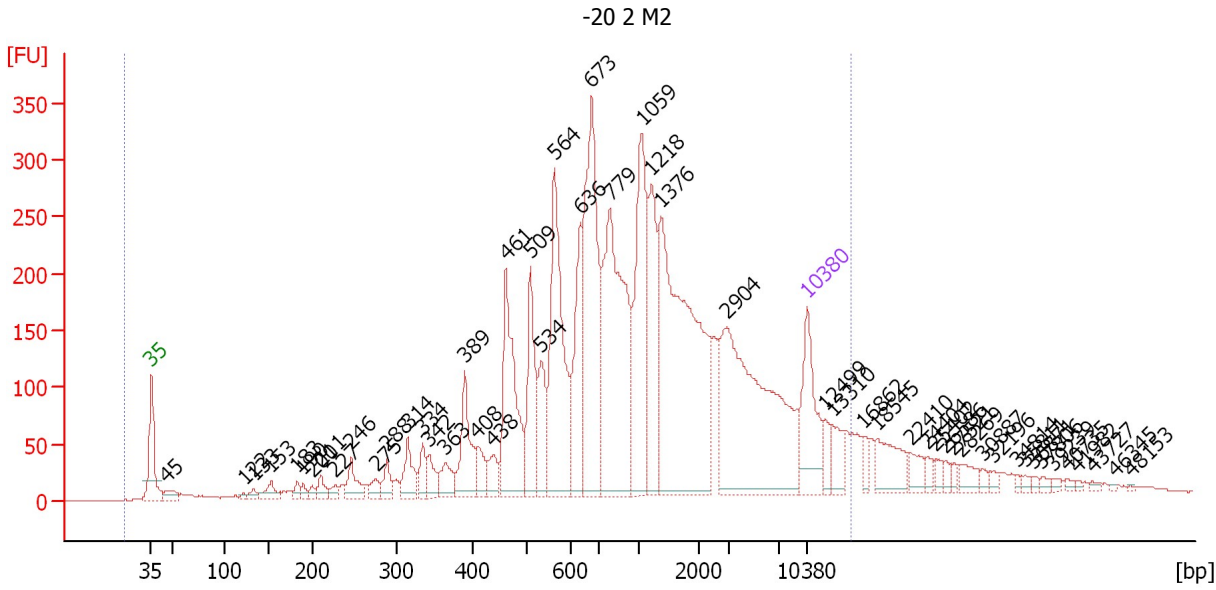
Region table for sample 6 : -20 1 M2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	644	996.18	1,189.1	2,601.8	 56	25.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : -20 2 M2

Number of peaks found: 52 Corr. Area 1: 6,320.3
 Noise: 0.9

Peak table for sample 7 : -20 2 M2


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	45	19.33	645.3		44.59
3	122	4.48	55.6		52.90
4	133	8.67	98.6		53.93
5	153	22.72	224.4		55.80
6	183	9.95	82.2		58.59
7	190	8.17	65.1		59.22
8	200	7.80	58.9		60.19
9	211	16.99	122.3		61.10
10	227	9.65	64.2		62.63
11	246	31.82	195.7		64.34
12	275	13.98	77.0		66.96
13	288	21.33	112.1		68.15
14	314	39.95	192.5		70.37
15	334	22.96	104.2		71.97
16	342	25.05	110.9		72.65
17	363	28.08	117.1		74.36
18	389	75.27	293.0		76.46
19	408	27.61	102.6		77.77
20	438	25.66	88.7		79.54
21	461	164.27	539.7		80.85
22	509	96.00	286.0		83.46
23	534	58.57	166.0		84.66
24	564	219.53	589.6		86.02
25	636	101.71	242.4		88.81

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 7 : -20 2 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	673	256.71	577.7		90.01
27	779	305.19	593.6		91.94
28	1,059	175.33	250.8		95.36
29	1,218	109.00	135.6		96.38
30	1,376	379.34	417.6		97.41
31	2,904	296.78	154.8		104.41
32	 10,380	75.00	10.9	Upper Marker	113.00
33	12,499	0.00	0.0		114.93
34	13,310	0.00	0.0		115.67
35	16,862	0.00	0.0		118.92
36	18,545	0.00	0.0		120.46
37	22,410	0.00	0.0		123.98
38	24,404	0.00	0.0		125.80
39	25,402	0.00	0.0		126.72
40	26,586	0.00	0.0		127.80
41	27,521	0.00	0.0		128.65
42	28,269	0.00	0.0		129.33
43	30,887	0.00	0.0		131.72
44	32,196	0.00	0.0		132.92
45	34,814	0.00	0.0		135.31
46	35,811	0.00	0.0		136.22
47	36,871	0.00	0.0		137.19
48	37,806	0.00	0.0		138.04
49	39,239	0.00	0.0		139.35
50	40,735	0.00	0.0		140.72
51	41,982	0.00	0.0		141.85
52	43,727	0.00	0.0		143.45
53	46,345	0.00	0.0		145.84
54	48,153	0.00	0.0		147.49

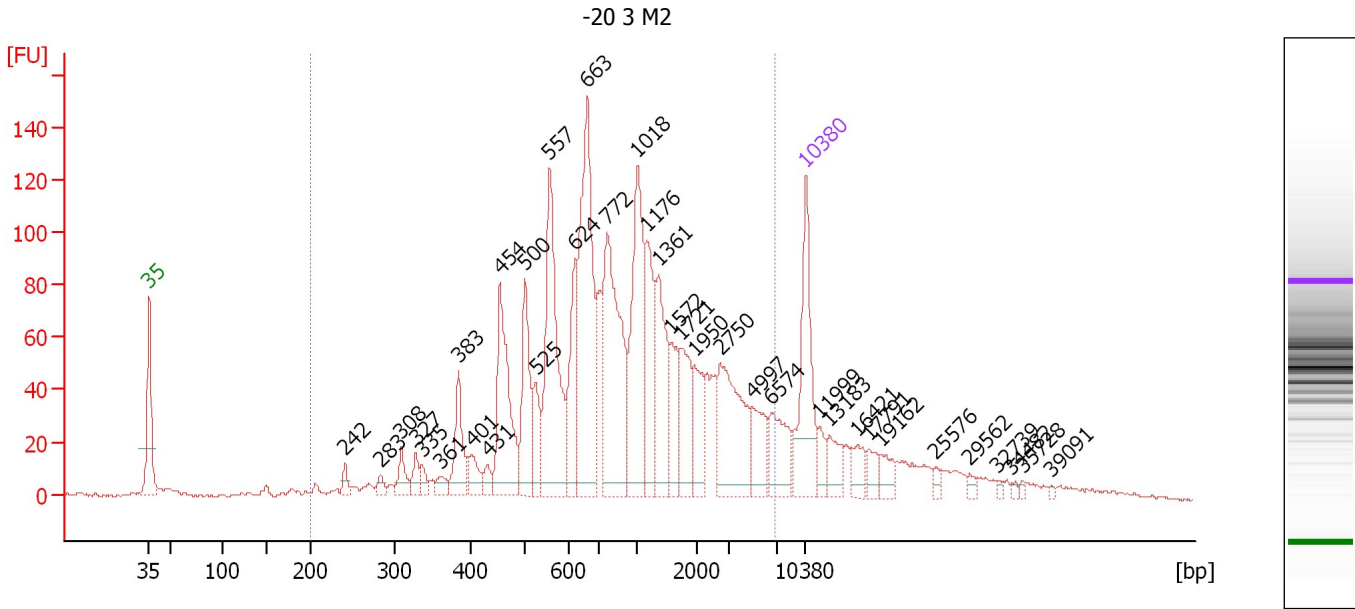
Region table for sample 7 : -20 2 M2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
17	15,591	2,296	2,691.73	6,320.3	7,375.4	 92	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : -20 3 M2

Number of peaks found: 36 Corr. Area 1: 2,174.3
 Noise: 0.7

Peak table for sample 8 : -20 3 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	242	10.13	63.5		63.93
3	283	7.24	38.8		67.68
4	308	18.94	93.0		69.90
5	327	13.56	62.8		71.43
6	335	9.91	44.8		72.06
7	361	9.43	39.6		74.16
8	383	44.17	174.6		75.98
9	401	16.69	63.0		77.40
10	431	10.88	38.3		79.11
11	454	108.91	363.7		80.42
12	500	69.61	210.8		83.09
13	525	31.04	89.5		84.23
14	557	150.78	410.0		85.71
15	624	60.55	147.1		88.43
16	663	179.33	409.7		89.69
17	772	161.59	317.1		91.85
18	1,018	116.72	173.8		95.09
19	1,176	63.95	82.4		96.11
20	1,361	67.34	75.0		97.31
21	1,572	35.52	34.2		98.67
22	1,721	45.23	39.8		99.64
23	1,950	35.53	27.6		101.12
24	2,750	81.58	44.9		103.90
25	4,997	33.06	10.0		107.31

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : -20 3 M2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	6,574	38.83	9.0		109.36
27	10,380	75.00	10.9	Upper Marker	113.00
28	11,999	0.00	0.0		114.48
29	13,183	0.00	0.0		115.56
30	16,421	0.00	0.0		118.52
31	17,791	0.00	0.0		119.77
32	19,162	0.00	0.0		121.02
33	25,576	0.00	0.0		126.87
34	29,562	0.00	0.0		130.51
35	32,739	0.00	0.0		133.41
36	34,482	0.00	0.0		135.01
37	35,728	0.00	0.0		136.14
38	39,091	0.00	0.0		139.21

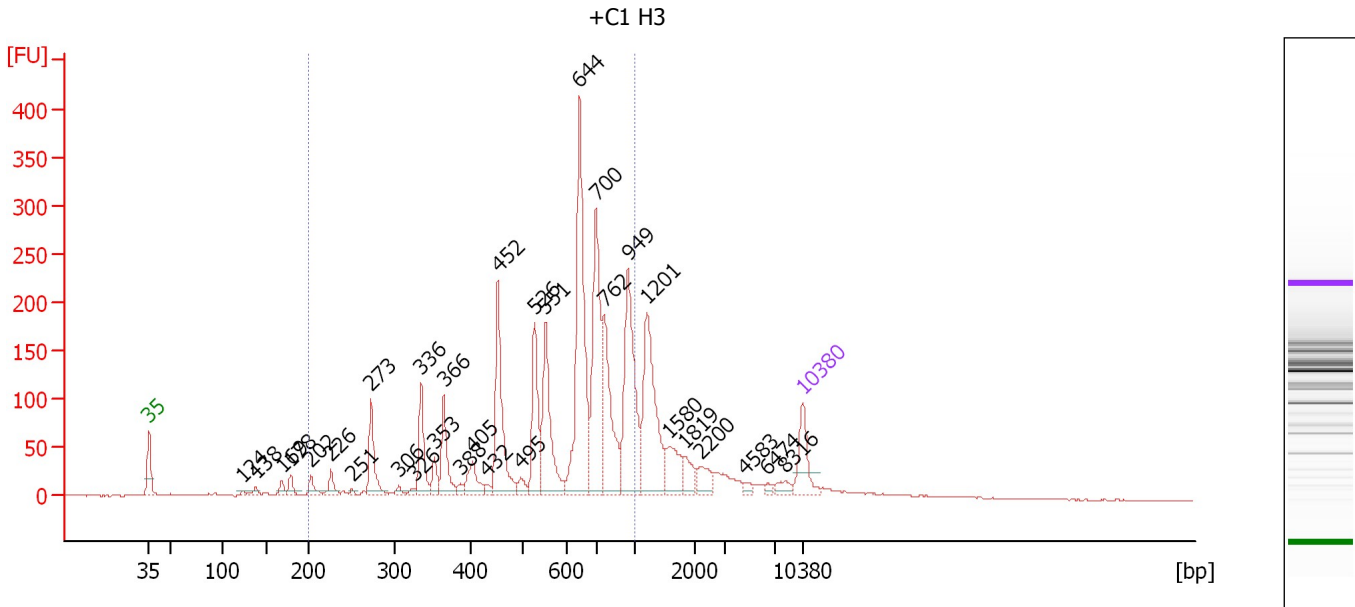
Region table for sample 8 : -20 3 M2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	6,923	1,325	1,521.93	2,174.3	3,337.7	86	97.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : +C1 H3

Number of peaks found: 31 Corr. Area 1: 2,305.3
 Noise: 0.6

Peak table for sample 9 : +C1 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	124	6.88	84.3		53.05
3	138	18.41	201.4		54.42
4	169	20.89	187.8		57.22
5	178	28.97	246.1		58.13
6	202	32.39	243.3		60.30
7	226	37.43	251.3		62.47
8	251	7.73	46.7		64.75
9	273	117.80	654.0		66.75
10	306	13.31	65.8		69.72
11	326	8.93	41.5		71.32
12	336	117.27	529.1		72.12
13	353	38.29	164.2		73.55
14	366	110.54	457.6		74.57
15	388	12.98	50.6		76.40
16	405	62.77	235.1		77.60
17	432	11.15	39.1		79.20
18	452	253.13	847.8		80.34
19	495	23.71	72.5		82.80
20	526	162.77	468.6		84.28
21	551	216.69	595.8		85.42
22	644	466.54	1,097.6		89.08
23	700	332.30	719.6		90.85
24	762	229.75	457.1		91.70
25	949	298.65	476.9		94.27

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 9 : +C1 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,201	273.22	344.8		96.27
27	1,580	77.20	74.0		98.73
28	1,819	38.30	31.9		100.27
29	2,200	39.70	27.3		102.09
30	4,583	10.97	3.6		106.78
31	6,474	7.85	1.8		109.23
32	8,316	19.33	3.5		111.12
33	10,380	75.00	10.9	Upper Marker	113.00

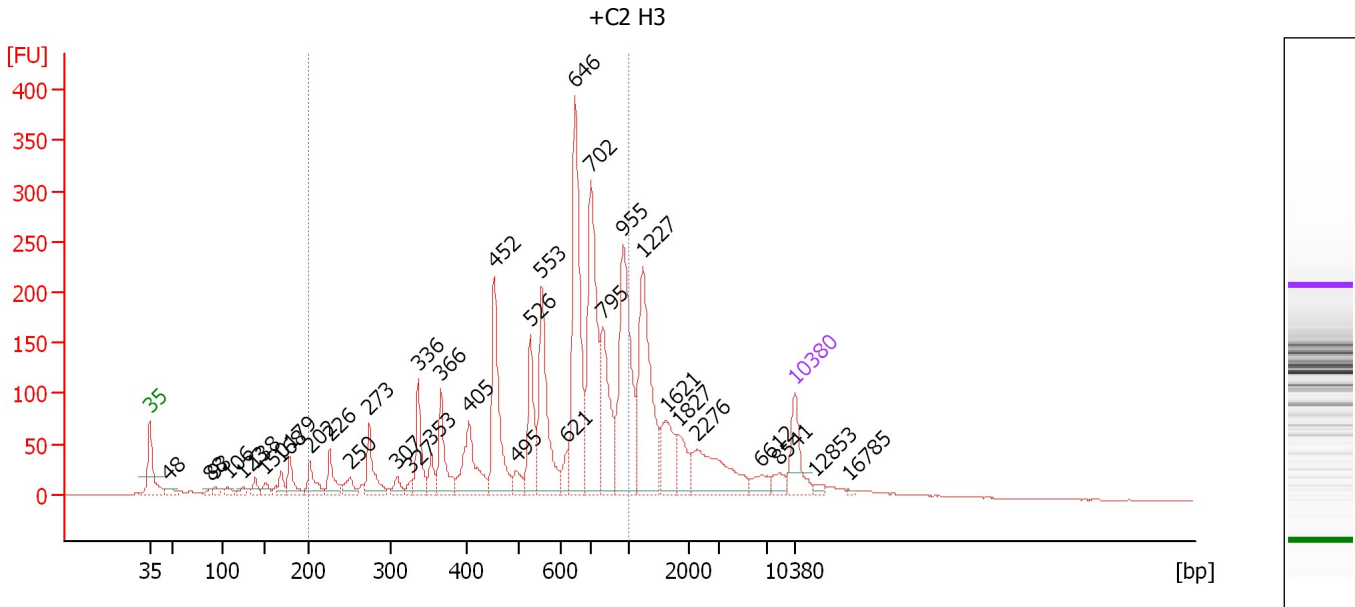
Region table for sample 9 : +C1 H3

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	614	2,599.63	2,305.3	7,747.3	72	31.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : +C2 H3

Number of peaks found: 36 Corr. Area 1: 2,634.7
 Noise: 0.4

Peak table for sample 10 : +C2 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	48	24.44	768.2		45.03
3	88	11.27	194.4		49.48
4	93	16.56	269.8		50.06
5	106	17.50	250.1		51.40
6	123	15.89	195.0		53.02
7	138	25.14	275.4		54.41
8	150	22.69	228.9		55.51
9	168	31.06	279.8		57.19
10	179	58.50	495.8		58.17
11	202	62.76	471.1		60.31
12	226	61.29	410.7		62.51
13	250	34.01	205.8		64.71
14	273	94.88	525.8		66.80
15	307	24.68	121.6		69.81
16	327	15.37	71.3		71.37
17	336	106.02	478.3		72.12
18	353	38.38	164.7		73.51
19	366	114.10	472.7		74.56
20	405	145.64	544.9		77.62
21	452	233.43	781.7		80.34
22	495	31.24	95.6		82.78
23	526	135.71	390.7		84.28
24	553	231.66	635.0		85.50
25	621	28.58	69.8		88.33

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 10 : +C2 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	646	384.12	900.7		89.15
27	702	363.43	784.7		90.88
28	795	186.70	356.0		92.16
29	955	320.62	508.7		94.36
30	1,227	285.01	352.0		96.44
31	1,621	90.15	84.3		98.99
32	1,827	58.35	48.4		100.32
33	2,276	145.32	96.7		102.35
34	6,612	29.59	6.8		109.41
35	8,541	23.27	4.1		111.32
36	10,380	75.00	10.9	Upper Marker	113.00
37	12,853	0.00	0.0		115.26
38	16,785	0.00	0.0		118.85

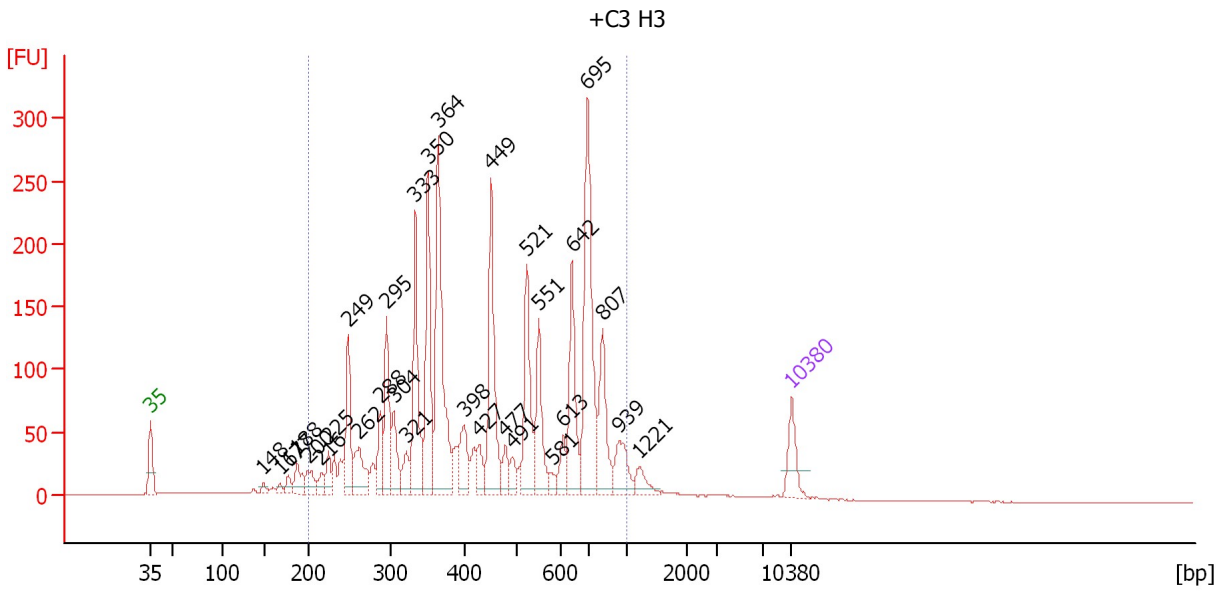
Region table for sample 10 : +C2 H3

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	608	2,593.49	2,634.7	7,987.5	67	33.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : +C3 H3

Number of peaks found: 30 Corr. Area 1: 2,782.3
 Noise: 0.2

Peak table for sample 11 : +C3 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	148	18.15	186.1		55.29
3	167	17.94	162.6		57.09
4	177	31.26	267.3		58.02
5	188	70.01	564.6		59.01
6	200	64.66	490.4		60.12
7	216	34.69	242.8		61.64
8	225	58.70	395.7		62.39
9	249	189.27	1,153.6		64.55
10	262	133.75	773.2		65.77
11	288	90.24	475.1		68.10
12	295	208.01	1,068.9		68.74
13	304	111.81	556.7		69.56
14	321	66.67	314.9		70.90
15	333	312.26	1,421.1		71.89
16	350	322.48	1,395.5		73.28
17	364	522.59	2,176.9		74.39
18	398	110.93	422.2		77.18
19	427	58.24	206.8		78.87
20	449	343.76	1,159.7		80.15
21	477	54.50	173.3		81.73
22	491	38.92	120.2		82.54
23	521	240.44	698.7		84.06
24	551	182.59	502.5		85.40
25	581	20.19	52.7		86.79

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
 Modified: 5/1/2018 3:56:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 11 : +C3 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	613	58.41	144.5		88.07
27	642	228.26	538.8		89.01
28	695	488.68	1,065.6		90.70
29	807	178.64	335.4		92.33
30	939	95.66	154.4		94.13
31	1,221	42.60	52.9		96.40
32	10,380	75.00	10.9	Upper Marker	113.00

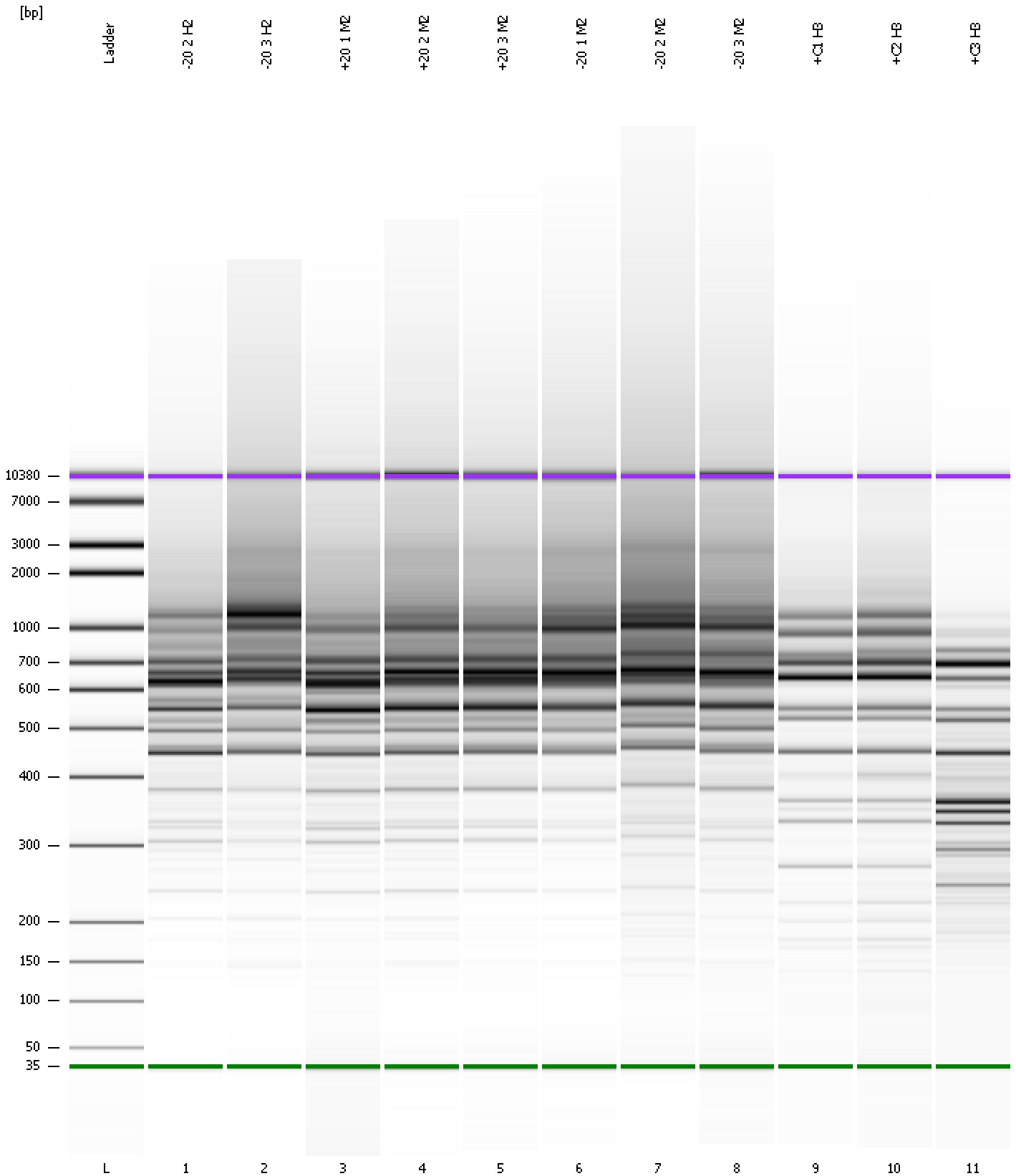
Region table for sample 11 : +C3 H3

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	484	4,586.33	2,782.3	17,543.2	92	37.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
Modified: 5/1/2018 3:56:37 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_002.xad

Created: 5/1/2018 2:02:51 PM
Modified: 5/1/2018 3:56:37 PM

Curves

Standard Curve

