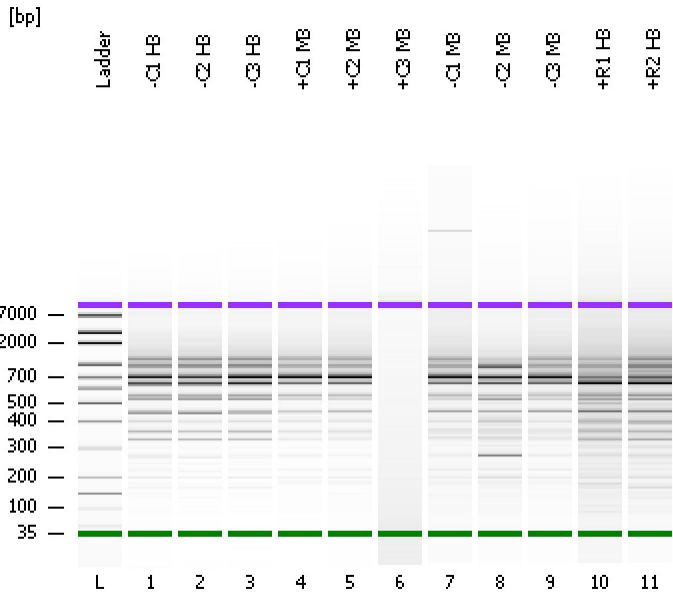


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
Modified: 5/1/2018 3:57:07 PM

Electrophoresis File Run Summary



Instrument Information:

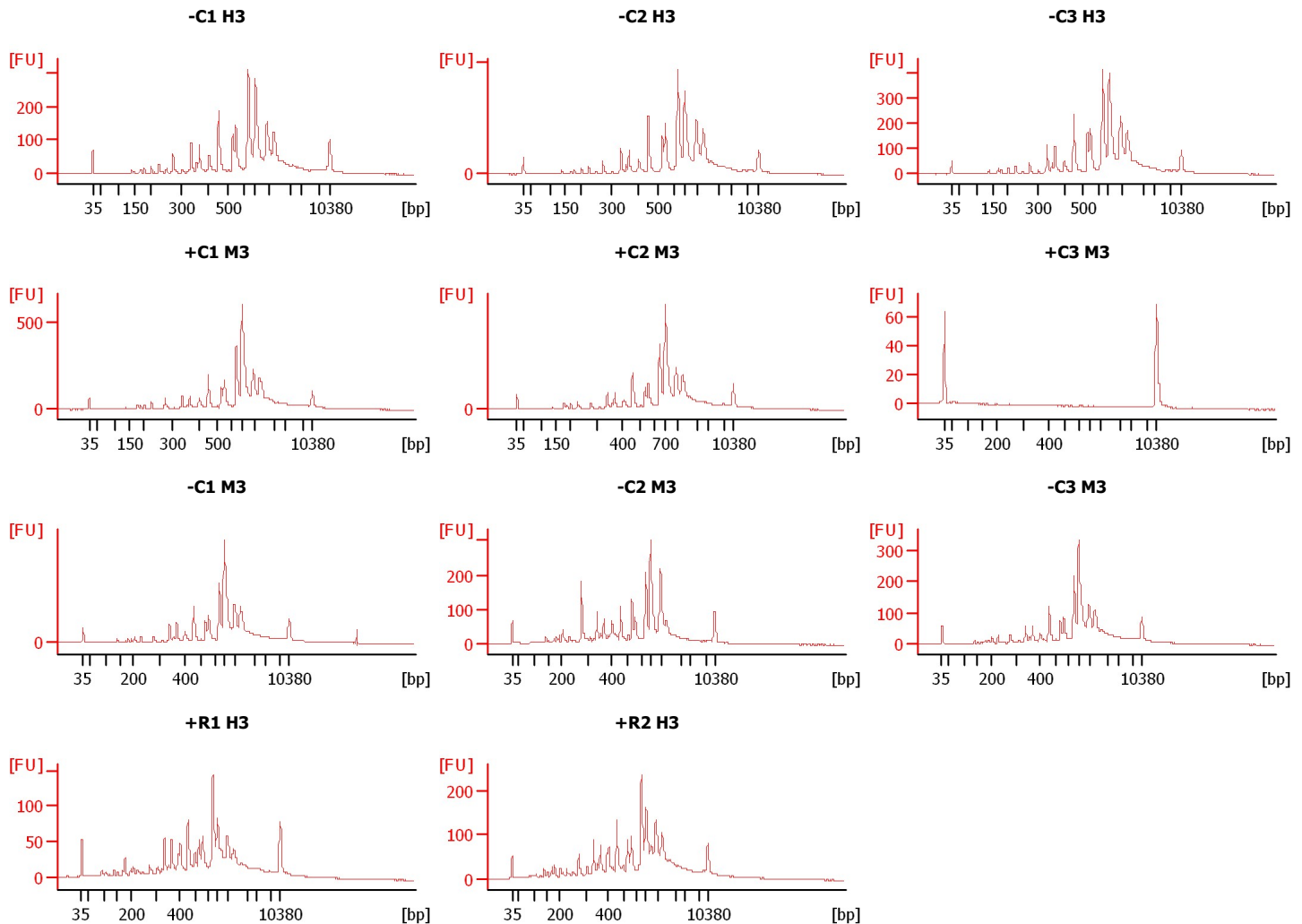
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
-C1 H3		<input type="checkbox"/>	✓			
-C2 H3		<input type="checkbox"/>	✓			
-C3 H3		<input type="checkbox"/>	✓			
+C1 M3		<input type="checkbox"/>	✓			
+C2 M3		<input type="checkbox"/>	✓			
+C3 M3		<input type="checkbox"/>	✓			
-C1 M3		<input type="checkbox"/>	✓			
-C2 M3		<input type="checkbox"/>	✓			
-C3 M3		<input type="checkbox"/>	✓			
+R1 H3		<input type="checkbox"/>	✓			
+R2 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_003.xad

Created: 5/1/2018 2:58:46 PM
Modified: 5/1/2018 3:57:07 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

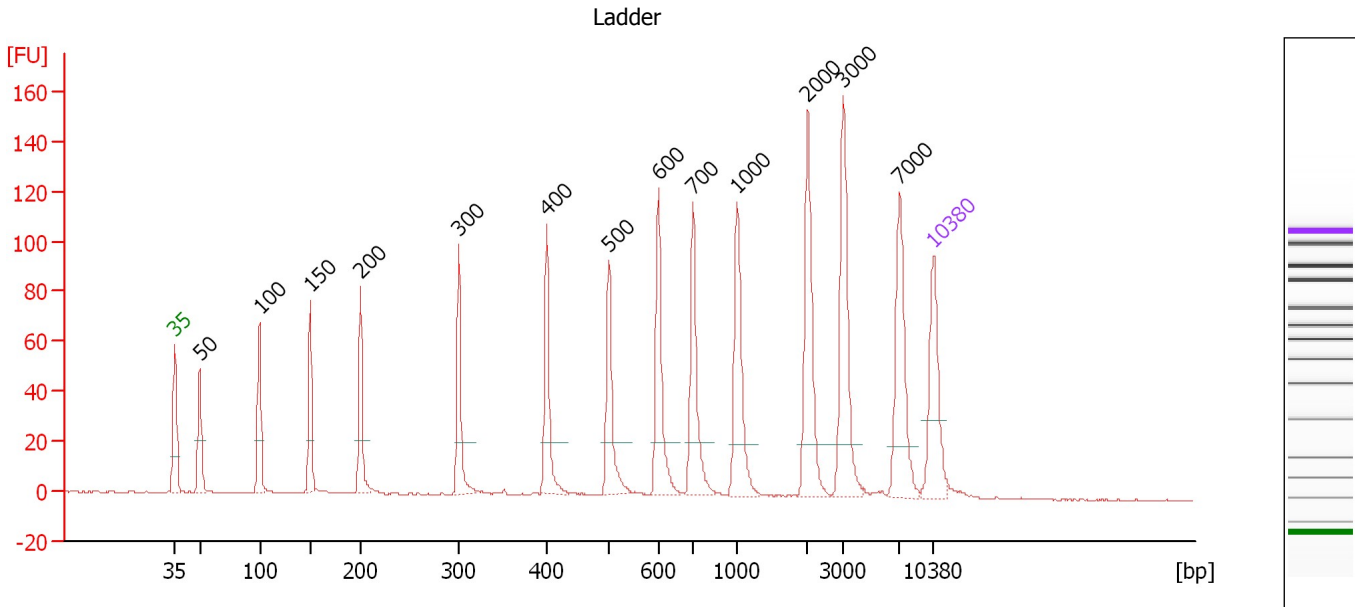
Ladder

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_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

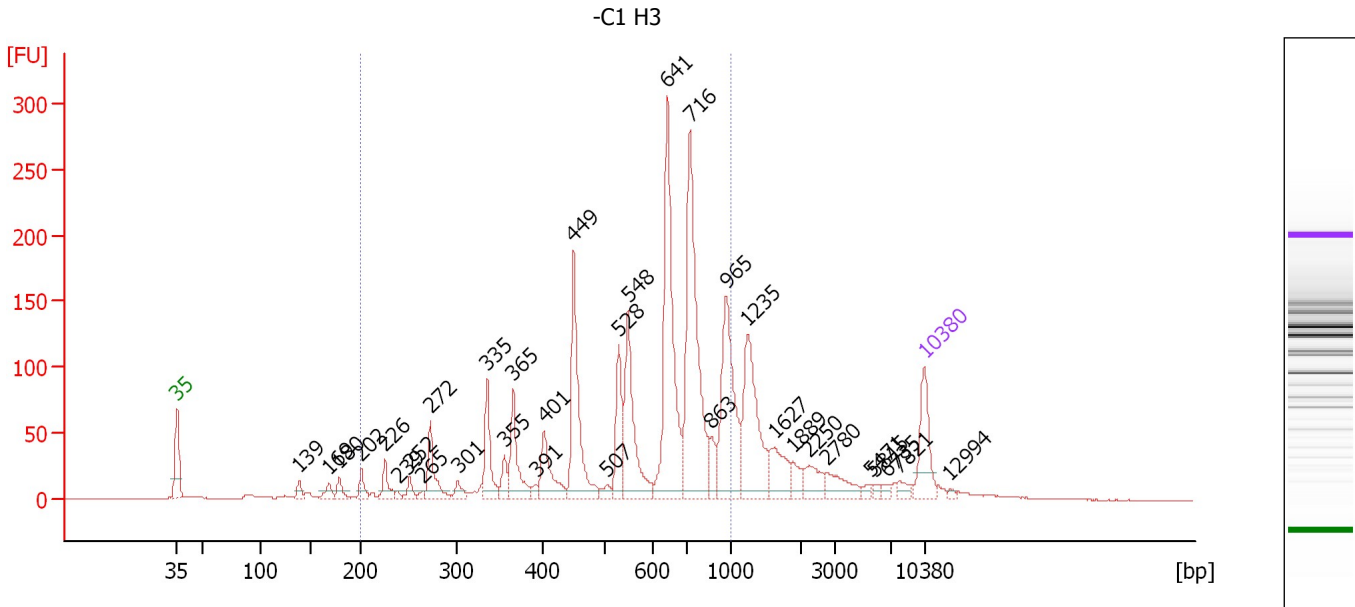
Peak table for Ladder

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	45.31
3	100	150.00	2,272.7	Ladder Peak	50.82
4	150	150.00	1,515.2	Ladder Peak	55.49
5	200	150.00	1,136.4	Ladder Peak	60.12
6	300	150.00	757.6	Ladder Peak	69.22
7	400	150.00	568.2	Ladder Peak	77.34
8	500	150.00	454.5	Ladder Peak	83.04
9	600	150.00	378.8	Ladder Peak	87.62
10	700	150.00	324.7	Ladder Peak	90.81
11	1,000	150.00	227.3	Ladder Peak	94.90
12	2,000	150.00	113.6	Ladder Peak	101.39
13	3,000	150.00	75.8	Ladder Peak	104.69
14	7,000	150.00	32.5	Ladder Peak	109.90
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_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : -C1 H3

Number of peaks found: 33 Corr. Area 1: 1,768.6
 Noise: 0.2

Peak table for sample 1 : -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	139	18.93	206.9		54.43
3	169	21.43	191.8		57.28
4	180	24.05	202.9		58.23
5	202	29.03	218.1		60.28
6	226	39.78	266.8		62.47
7	239	5.74	36.4		63.67
8	252	19.66	118.4		64.82
9	265	7.98	45.7		66.02
10	272	78.76	438.0		66.72
11	301	19.93	100.3		69.31
12	335	94.28	426.4		72.06
13	355	31.97	136.6		73.66
14	365	100.35	416.4		74.50
15	391	9.52	36.9		76.60
16	401	85.38	322.5		77.40
17	449	220.77	744.6		80.15
18	507	13.60	40.7		83.34
19	528	99.38	285.0		84.34
20	548	188.24	520.4		85.24
21	641	367.98	869.5		88.93
22	716	408.69	864.9		91.03
23	863	35.34	62.1		93.03
24	965	229.33	359.9		94.43
25	1,235	195.01	239.2		96.42

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : -C1 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,627	64.27	59.8		98.97
27	1,889	23.29	18.7		100.67
28	2,250	39.27	26.4		102.22
29	2,780	38.88	21.2		103.96
30	5,471	8.00	2.2		107.91
31	5,815	6.31	1.6		108.36
32	6,735	7.54	1.7		109.55
33	7,821	12.21	2.4		110.65
34	10,380	75.00	10.9	Upper Marker	113.00
35	12,994	0.00	0.0		115.40

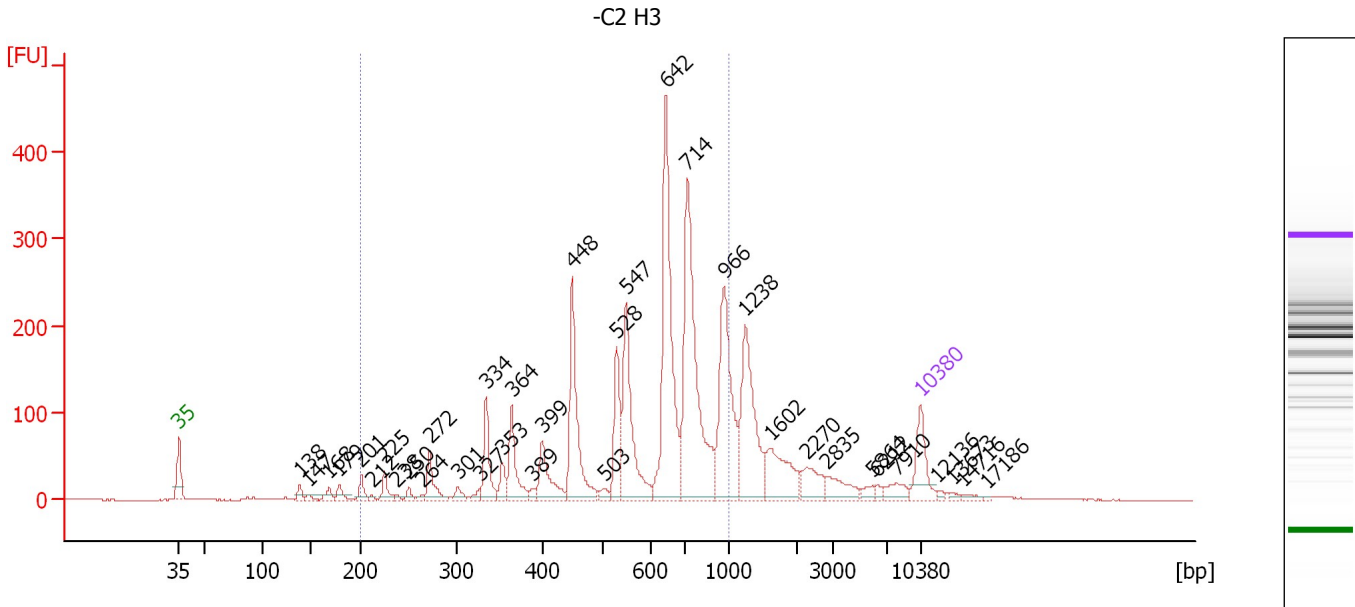
Region table for sample 1 : -C1 H3

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	602	2,070.36	1,768.6	6,350.7	73	32.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : -C2 H3

Number of peaks found: 36 Corr. Area 1: 2,435.3
 Noise: 0.3

Peak table for sample 2 : -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	138	20.33	223.2		54.37
3	147	10.08	103.8		55.23
4	168	23.02	207.2		57.19
5	179	26.42	224.0		58.15
6	201	32.77	247.0		60.21
7	212	5.83	41.6		61.22
8	225	38.34	258.4		62.37
9	238	6.43	41.0		63.53
10	250	15.44	93.5		64.69
11	264	6.41	36.8		65.95
12	272	68.23	380.3		66.65
13	301	19.93	100.2		69.32
14	327	13.87	64.3		71.38
15	334	103.86	471.0		71.99
16	353	37.34	160.1		73.55
17	364	109.05	454.1		74.40
18	389	12.87	50.1		76.47
19	399	101.20	384.1		77.27
20	448	257.10	869.1		80.09
21	503	16.44	49.6		83.16
22	528	131.08	376.3		84.32
23	547	251.36	696.8		85.17
24	642	468.57	1,106.6		88.95
25	714	533.42	1,131.5		91.01

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : -C2 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	966	297.21	466.3		94.43
27	1,238	248.78	304.4		96.44
28	1,602	125.18	118.4		98.81
29	2,270	57.61	38.5		102.28
30	2,835	49.33	26.4		104.14
31	5,864	13.58	3.5		108.42
32	6,212	8.90	2.2		108.87
33	7,910	29.81	5.7		110.74
34	10,380	75.00	10.9	Upper Marker	113.00
35	12,136	0.00	0.0		114.61
36	13,673	0.00	0.0		116.02
37	14,716	0.00	0.0		116.98
38	17,186	0.00	0.0		119.24

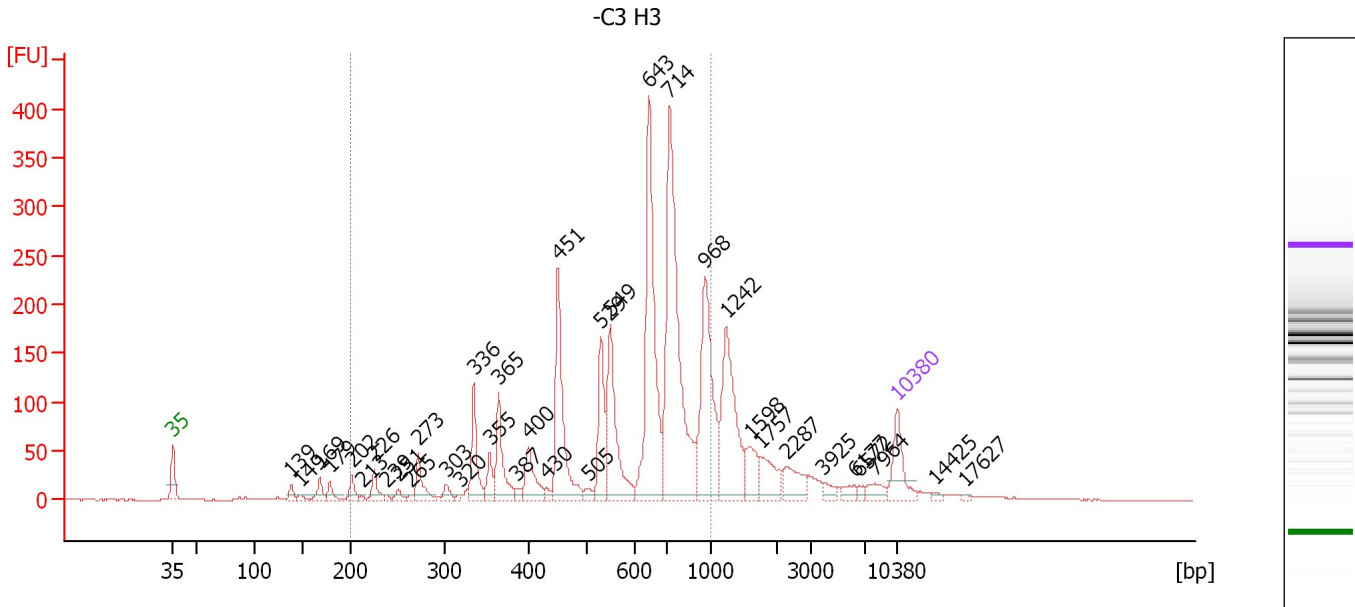
Region table for sample 2 : -C2 H3

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	615	2,406.27	2,435.3	7,085.5	72	30.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : -C3 H3

Number of peaks found: 36 Corr. Area 1: 2,316.1
 Noise: 0.3

Peak table for sample 3 : -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	139	21.45	234.3		54.43
3	149	10.16	103.6		55.36
4	169	35.23	316.5		57.22
5	179	29.15	246.5		58.19
6	202	34.57	259.2		60.31
7	213	5.95	42.4		61.29
8	226	41.04	275.3		62.47
9	239	6.81	43.2		63.65
10	251	14.08	84.9		64.79
11	265	6.38	36.5		66.02
12	273	65.36	363.0		66.75
13	303	20.54	102.9		69.42
14	320	5.98	28.3		70.81
15	336	118.91	537.0		72.10
16	355	45.88	196.1		73.65
17	365	125.86	522.0		74.52
18	387	12.35	48.4		76.27
19	400	84.89	321.3		77.36
20	430	11.37	40.0		79.06
21	451	272.87	916.9		80.24
22	505	15.19	45.6		83.28
23	529	144.33	413.5		84.36
24	549	227.52	627.8		85.29
25	643	473.70	1,115.9		89.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : -C3 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	714	654.35	1,388.4		91.01
27	968	310.55	486.3		94.46
28	1,242	257.46	314.2		96.47
29	1,598	66.15	62.7		98.78
30	1,757	68.42	59.0		99.81
31	2,287	56.68	37.5		102.34
32	3,925	16.02	6.2		105.89
33	6,177	16.82	4.1		108.83
34	6,572	8.24	1.9		109.34
35	7,964	22.95	4.4		110.79
36	10,380	75.00	10.9	Upper Marker	113.00
37	14,425	0.00	0.0		116.71
38	17,627	0.00	0.0		119.64

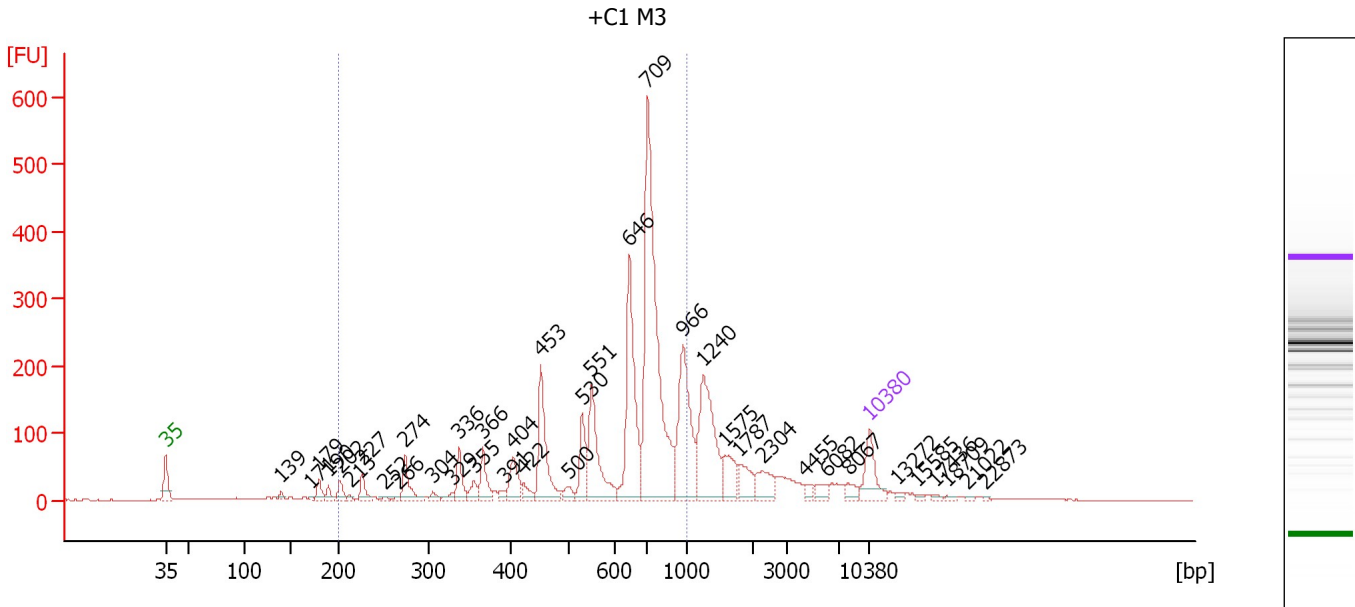
Region table for sample 3 : -C3 H3

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	622	2,583.42	2,316.1	7,522.5	73	30.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : +C1 M3

Number of peaks found: 38 Corr. Area 1: 2,512.0
 Noise: 0.4

Peak table for sample 4 : +C1 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	139	13.81	150.0		54.51
3	171	6.39	56.5		57.48
4	179	34.34	289.9		58.22
5	190	23.15	184.8		59.17
6	202	31.15	233.2		60.34
7	213	6.91	49.2		61.30
8	227	42.44	283.4		62.57
9	252	6.45	38.8		64.85
10	266	5.67	32.3		66.12
11	274	73.86	409.1		66.81
12	304	13.41	66.8		69.57
13	329	11.84	54.5		71.58
14	336	66.73	300.6		72.17
15	355	29.77	127.2		73.65
16	366	69.76	289.0		74.55
17	391	12.88	49.9		76.62
18	404	75.15	281.7		77.58
19	422	27.62	99.2		78.58
20	453	193.87	649.1		80.33
21	500	23.33	70.7		83.04
22	530	92.02	263.0		84.42
23	551	199.94	549.9		85.37
24	646	340.62	799.1		89.08
25	709	795.54	1,699.7		90.94

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : +C1 M3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	966	270.77	424.5		94.44
27	1,240	257.90	315.2		96.45
28	1,575	71.35	68.7		98.63
29	1,787	56.11	47.6		100.01
30	2,304	52.63	34.6		102.39
31	4,455	14.76	5.0		106.58
32	6,082	19.73	4.9		108.70
33	8,067	18.85	3.5		110.88
34	10,380	75.00	10.9	Upper Marker	113.00
35	13,272	0.00	0.0		115.65
36	15,585	0.00	0.0		117.77
37	17,436	0.00	0.0		119.47
38	18,709	0.00	0.0		120.64
39	21,022	0.00	0.0		122.76
40	22,873	0.00	0.0		124.45

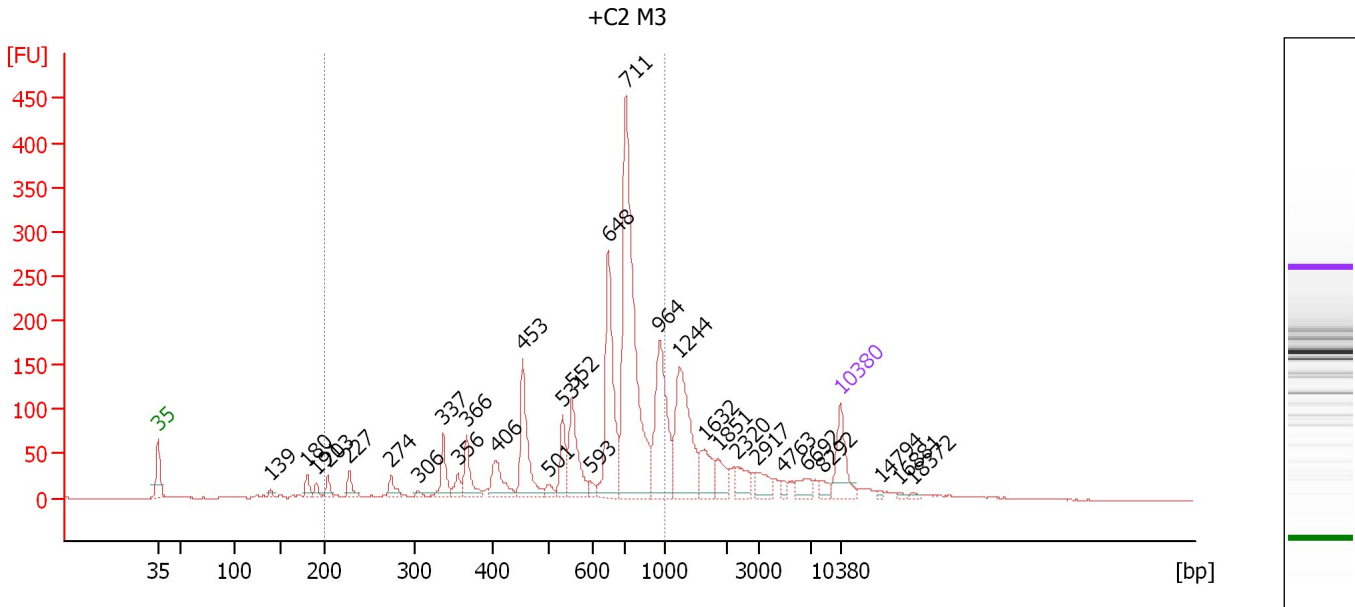
Region table for sample 4 : +C1 M3

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	641	2,305.98	2,512.0	6,521.4	69	29.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : +C2 M3

Number of peaks found: 30 Corr. Area 1: 1,955.2
 Noise: 0.5

Peak table for sample 5 : +C2 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	139	8.83	96.1		54.48
3	180	27.45	231.2		58.26
4	191	17.27	137.3		59.24
5	203	25.66	191.5		60.39
6	227	32.22	215.1		62.58
7	274	31.26	172.9		66.84
8	306	8.91	44.2		69.69
9	337	68.78	308.8		72.26
10	356	27.87	118.7		73.73
11	366	74.21	306.9		74.61
12	406	76.28	284.7		77.67
13	453	164.82	551.5		80.35
14	501	16.70	50.5		83.09
15	531	71.87	205.1		84.45
16	552	134.36	368.6		85.44
17	593	14.29	36.5		87.30
18	648	273.60	639.6		89.16
19	711	645.51	1,376.1		90.96
20	964	222.58	349.9		94.41
21	1,244	225.43	274.5		96.48
22	1,632	65.92	61.2		99.00
23	1,851	38.59	31.6		100.42
24	2,320	37.77	24.7		102.45
25	2,917	33.73	17.5		104.41

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : +C2 M3

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,763	9.82	3.1		106.98
27	6,692	26.92	6.1		109.50
28	8,292	16.02	2.9		111.09
29	10,380	75.00	10.9	Upper Marker	113.00
30	14,794	0.00	0.0		117.05
31	16,881	0.00	0.0		118.96
32	18,372	0.00	0.0		120.33

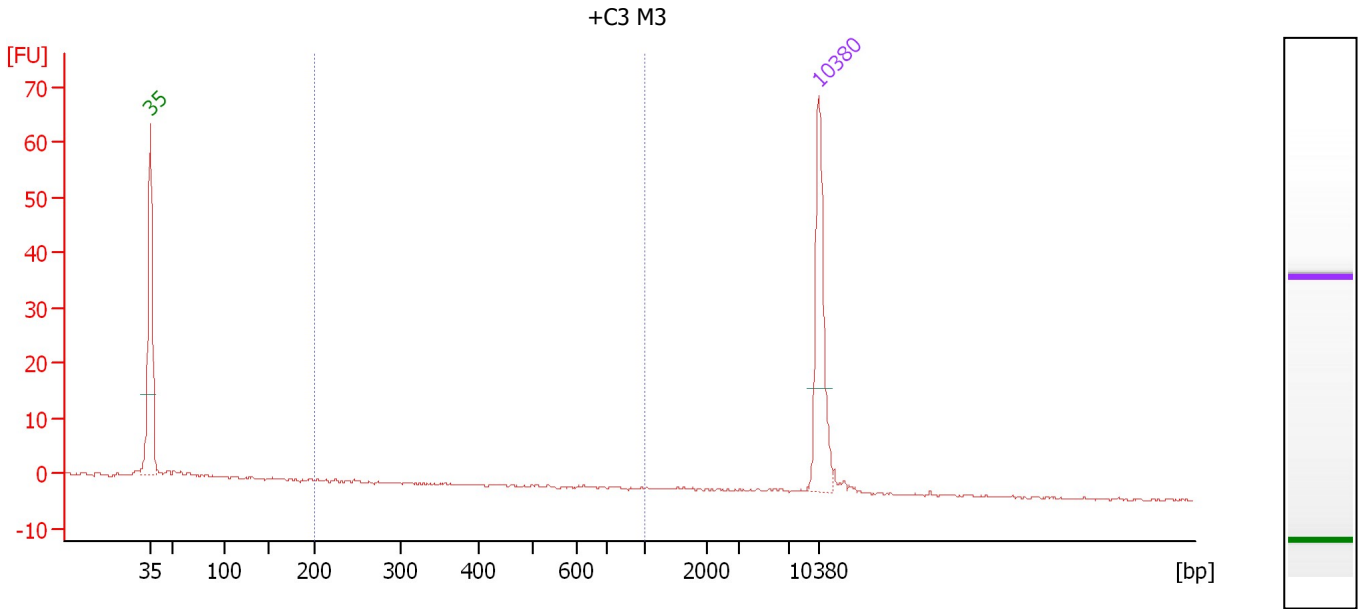
Region table for sample 5 : +C2 M3

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	638	1,927.86	1,955.2	5,487.4	67	29.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : +C3 M3

Number of peaks found: 0 Corr. Area 1: 1.1
 Noise: 0.2

Peak table for sample 6 : +C3 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	10,380	75.00	10.9	Upper Marker	113.00

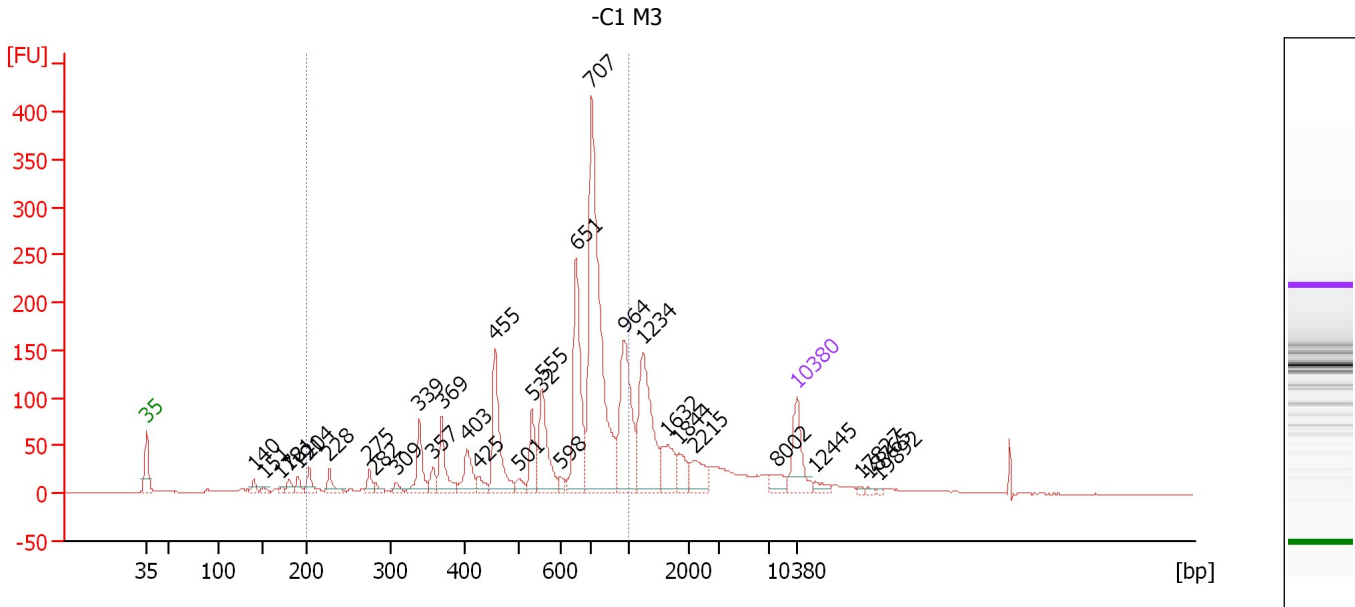
Region table for sample 6 : +C3 M3

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	440	1.94	1.1	9.9	4	52.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : -C1 M3

Number of peaks found: 32 Corr. Area 1: 1,828.9
 Noise: 0.2

Peak table for sample 7 : -C1 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	140	17.74	191.6		54.59
3	151	9.37	93.8		55.62
4	172	7.92	69.9		57.52
5	181	18.63	156.4		58.32
6	191	19.56	155.1		59.30
7	204	32.45	240.8		60.50
8	228	33.70	223.8		62.68
9	275	23.22	127.7		66.98
10	282	11.66	62.7		67.56
11	309	12.87	63.2		69.91
12	339	80.25	358.8		72.38
13	357	26.92	114.4		73.81
14	369	84.11	345.7		74.79
15	403	62.68	235.9		77.48
16	425	22.94	81.8		78.75
17	455	162.57	541.5		80.47
18	501	18.23	55.1		83.11
19	532	71.68	204.3		84.48
20	555	127.00	346.5		85.57
21	598	11.84	30.0		87.52
22	651	233.04	542.4		89.25
23	707	596.39	1,278.1		90.91
24	964	207.34	325.8		94.41
25	1,234	201.44	247.3		96.42

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 7 : -C1 M3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,632	64.30	59.7		99.00
27	1,844	36.81	30.2		100.38
28	2,215	45.78	31.3		102.10
29	8,002	23.78	4.5		110.82
30	10,380	75.00	10.9	Upper Marker	113.00
31	12,445	0.00	0.0		114.89
32	17,827	0.00	0.0		119.83
33	18,765	0.00	0.0		120.69
34	19,892	0.00	0.0		121.72

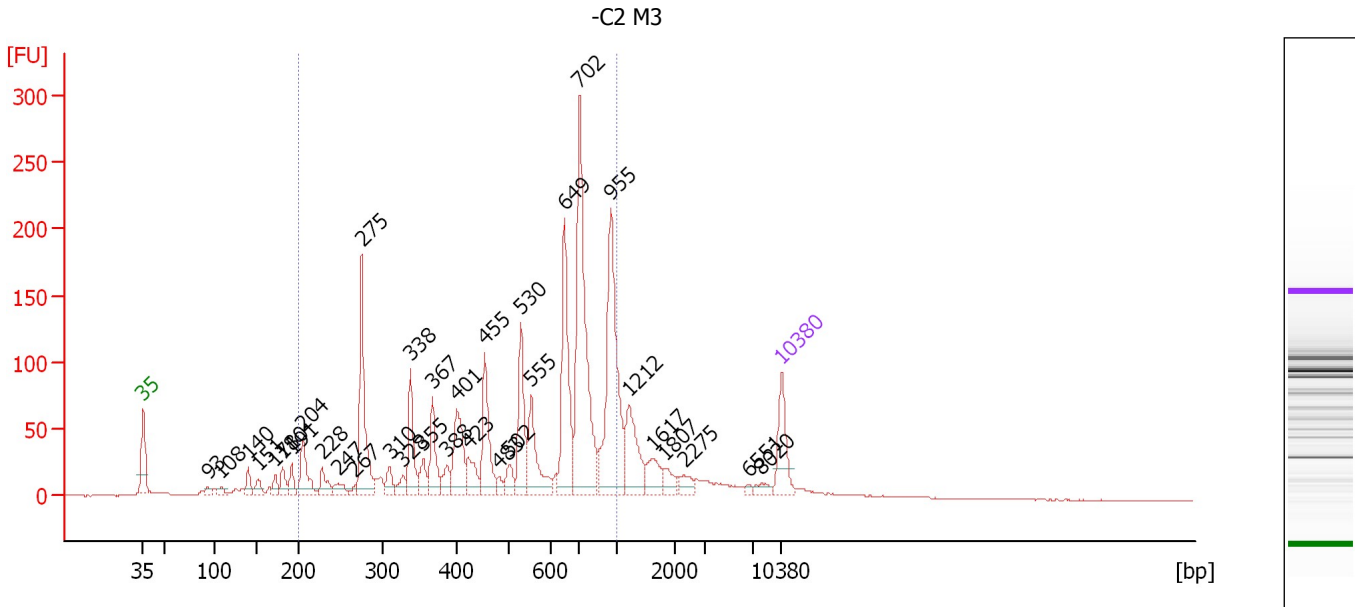
Region table for sample 7 : -C1 M3

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	631	1,790.43	1,828.9	5,175.5	67	30.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : -C2 M3

Number of peaks found: 34 Corr. Area 1: 1,826.2
 Noise: 0.3

Peak table for sample 8 : -C2 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	93	13.34	216.9		50.08
3	108	15.36	216.1		51.54
4	140	34.82	378.0		54.52
5	151	26.18	261.8		55.63
6	171	23.42	207.4		57.44
7	180	34.94	294.2		58.26
8	191	32.91	261.5		59.26
9	204	98.29	729.9		60.49
10	228	42.29	281.3		62.65
11	247	26.81	164.4		64.40
12	267	10.48	59.5		66.22
13	275	250.91	1,380.6		66.98
14	310	33.19	162.3		70.02
15	328	24.29	112.3		71.48
16	338	110.24	494.3		72.30
17	355	38.84	165.7		73.70
18	367	92.21	380.2		74.70
19	388	31.77	124.2		76.33
20	401	123.67	467.4		77.39
21	423	52.70	188.6		78.67
22	455	135.60	451.4		80.49
23	483	14.30	44.9		82.06
24	502	32.93	99.5		83.12
25	530	138.44	395.9		84.40

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : -C2 M3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	555	116.84	318.8		85.57
27	649	242.30	565.3		89.20
28	702	458.87	991.0		90.84
29	955	337.05	534.7		94.29
30	1,212	116.57	145.7		96.27
31	1,617	48.20	45.2		98.91
32	1,807	22.95	19.2		100.13
33	2,275	21.77	14.5		102.30
34	6,551	5.74	1.3		109.32
35	8,020	13.10	2.5		110.84
36	10,380	75.00	10.9	Upper Marker	113.00

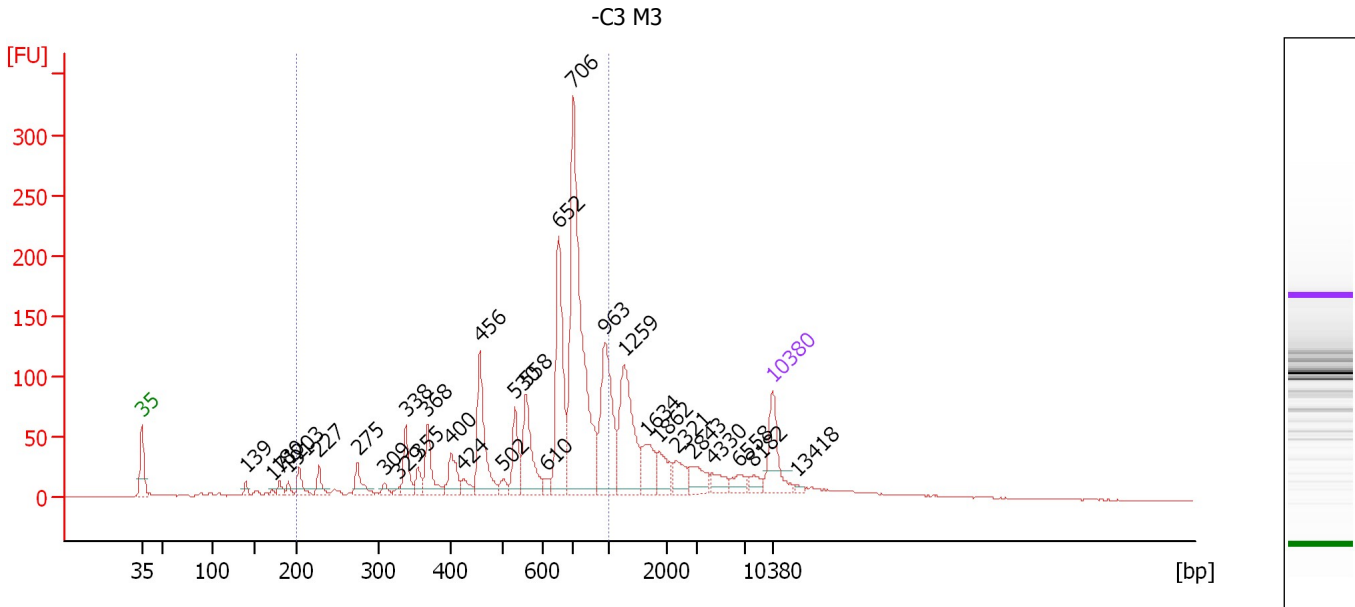
Region table for sample 8 : -C2 M3

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	578	2,496.22	1,826.2	8,477.1	75	38.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : -C3 M3

Number of peaks found: 31 Corr. Area 1: 1,590.2
 Noise: 0.2

Peak table for sample 9 : -C3 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	139	15.20	165.2		54.50
3	171	6.47	57.2		57.46
4	180	18.13	152.9		58.23
5	191	15.15	120.5		59.24
6	203	38.31	285.4		60.43
7	227	32.75	218.1		62.62
8	275	42.72	235.4		66.95
9	309	13.50	66.1		69.97
10	329	6.89	31.7		71.57
11	338	62.88	282.1		72.28
12	355	26.87	114.6		73.70
13	368	75.75	312.2		74.71
14	400	53.00	200.9		77.32
15	424	19.80	70.8		78.68
16	456	150.49	500.3		80.52
17	502	16.93	51.1		83.13
18	530	70.93	202.6		84.43
19	558	118.09	320.9		85.68
20	610	13.99	34.8		87.93
21	652	234.41	544.4		89.29
22	706	566.14	1,215.6		90.89
23	963	191.54	301.5		94.39
24	1,259	180.86	217.6		96.58
25	1,634	63.28	58.7		99.01

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 9 : -C3 M3

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,862	41.22	33.5		100.49
27	2,321	36.26	23.7		102.45
28	2,843	38.25	20.4		104.17
29	4,330	26.14	9.1		106.42
30	6,558	22.08	5.1		109.33
31	8,182	17.83	3.3		110.98
32	10,380	75.00	10.9	Upper Marker	113.00
33	13,418	0.00	0.0		115.79

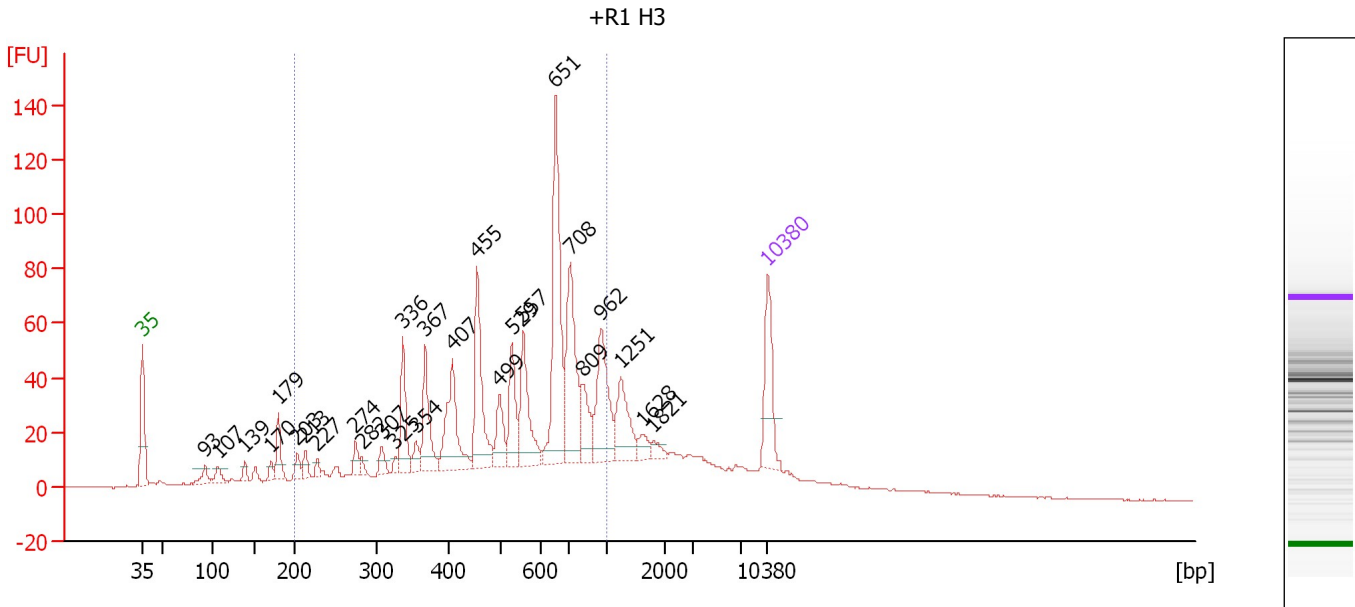
Region table for sample 9 : -C3 M3

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	624	1,824.22	1,590.2	5,414.0	 66	31.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : +R1 H3

Number of peaks found: 27 Corr. Area 1: 1,073.7
 Noise: 0.2

Peak table for sample 10 : +R1 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	93	23.21	378.4		50.04
3	107	19.58	277.3		51.47
4	139	14.66	159.9		54.46
5	170	13.75	122.3		57.38
6	179	48.12	406.3		58.22
7	203	18.92	141.4		60.37
8	213	19.19	136.8		61.26
9	227	10.73	71.6		62.57
10	274	20.18	111.5		66.87
11	282	8.40	45.1		67.59
12	307	18.07	89.2		69.79
13	325	8.02	37.3		71.29
14	336	80.99	364.7		72.18
15	354	20.64	88.3		73.61
16	367	84.73	349.4		74.69
17	407	116.04	432.0		77.73
18	455	137.98	459.4		80.48
19	499	49.23	149.5		82.98
20	529	69.08	198.0		84.36
21	557	101.75	276.6		85.67
22	651	234.12	544.9		89.25
23	708	155.29	332.4		90.92
24	809	48.73	91.3		92.29
25	962	109.23	172.0		94.38

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 10 : +R1 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,251	66.24	80.2		96.53
27	1,628	15.60	14.5		98.98
28	1,821	10.88	9.0		100.23
29	10,380	75.00	10.9	Upper Marker	113.00

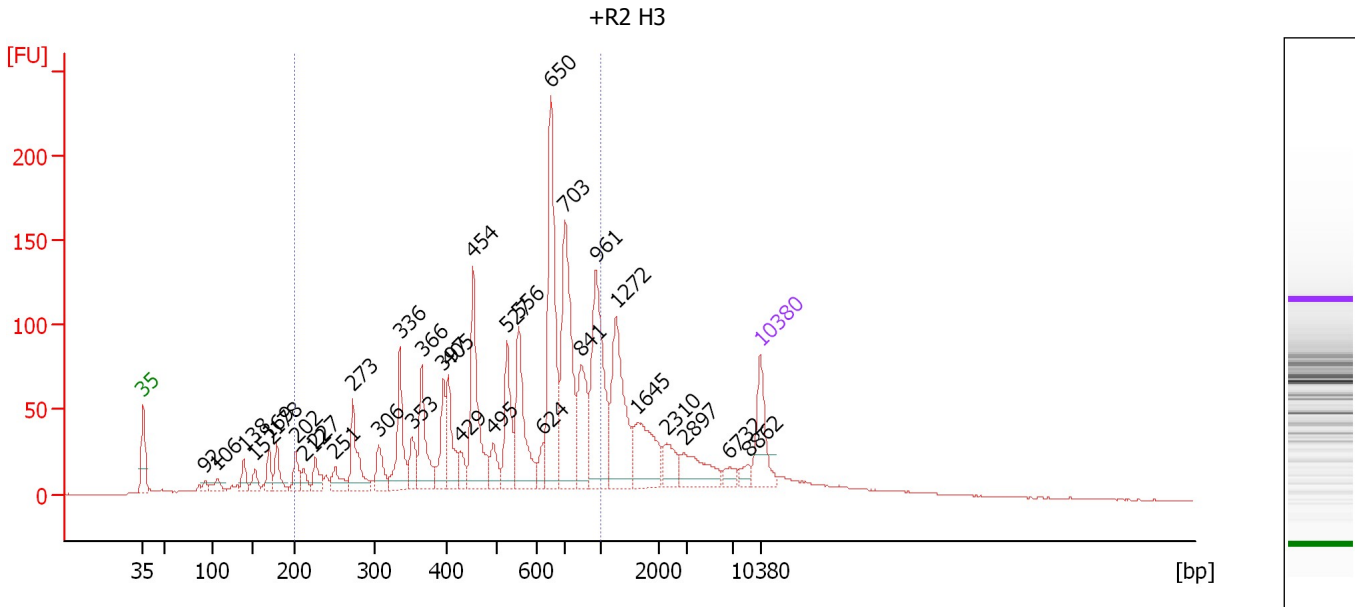
Region table for sample 10 : +R1 H3

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	556	1,884.17	1,073.7	6,301.9	69	34.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : +R2 H3

Number of peaks found: 33 Corr. Area 1: 1,763.8
 Noise: 0.2

Peak table for sample 11 : +R2 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	92	14.63	240.5		49.96
3	106	28.39	404.7		51.41
4	138	33.04	362.7		54.37
5	152	30.20	301.8		55.64
6	169	40.67	365.4		57.22
7	178	54.23	460.5		58.13
8	202	41.11	308.3		60.30
9	212	25.15	179.7		61.21
10	227	39.29	262.7		62.54
11	251	39.84	240.3		64.78
12	273	102.77	570.0		66.78
13	306	50.61	250.2		69.74
14	336	122.81	554.6		72.10
15	353	47.92	205.9		73.49
16	366	109.32	452.5		74.58
17	397	76.23	291.2		77.06
18	405	89.86	336.4		77.61
19	429	29.30	103.5		79.00
20	454	196.80	657.5		80.39
21	495	39.82	121.9		82.75
22	527	108.00	310.7		84.26
23	556	153.82	419.4		85.59
24	624	22.33	54.2		88.38
25	650	290.75	677.5		89.22

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
 Modified: 5/1/2018 3:57:07 PM

Electropherogram Summary Continued ...

... Peak table for sample 11 : +R2 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	703	281.75	607.2		90.86
27	841	111.80	201.4		92.73
28	961	229.42	361.7		94.37
29	1,272	180.30	214.7		96.66
30	1,645	111.40	102.6		99.08
31	2,310	42.52	27.9		102.41
32	2,897	67.06	35.1		104.35
33	6,732	16.77	3.8		109.55
34	8,862	14.29	2.4		111.61
35	 10,380	75.00	10.9	Upper Marker	113.00

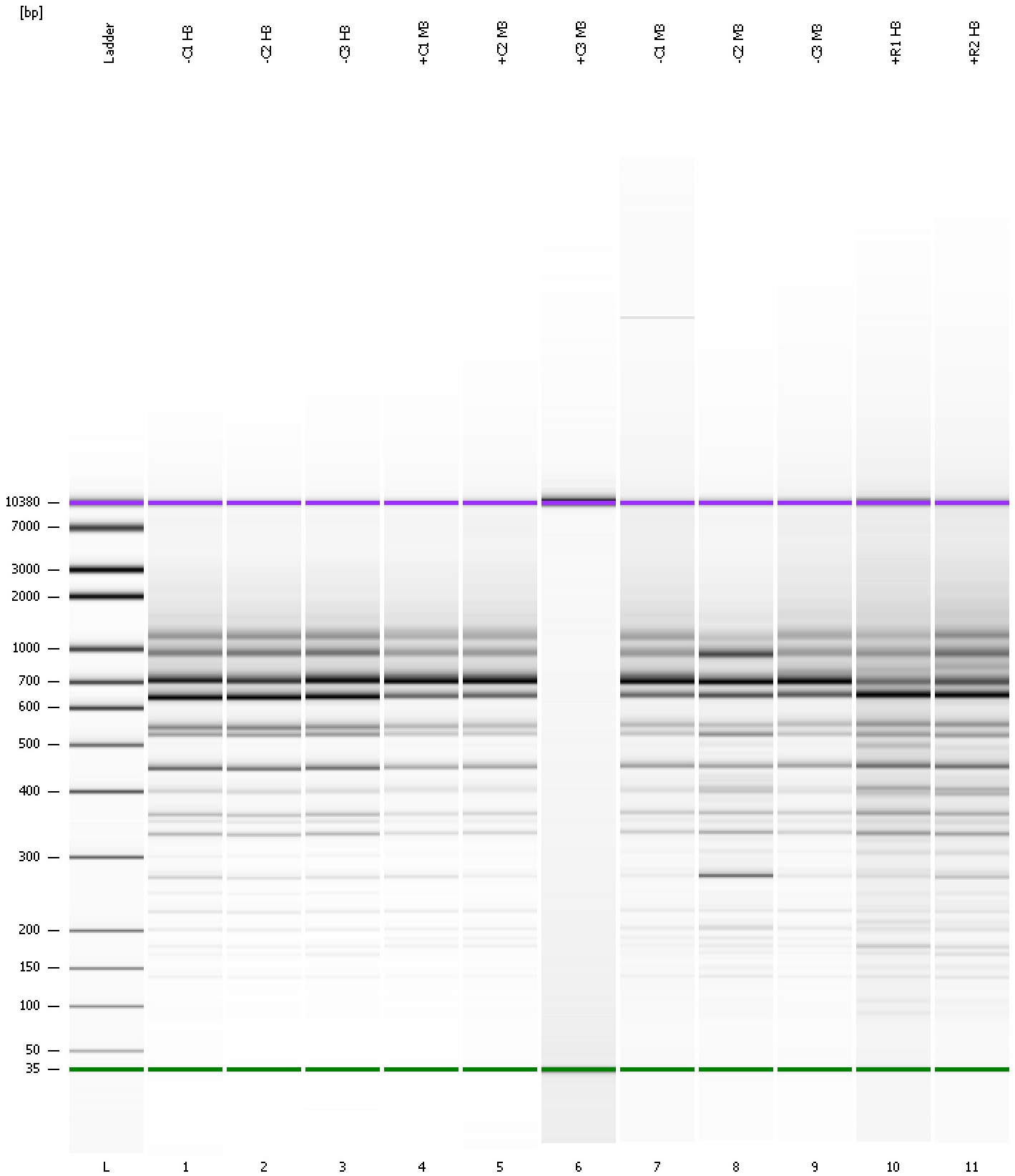
Region table for sample 11 : +R2 H3

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	571	2,376.04	1,763.8	7,907.8	 66	36.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
Modified: 5/1/2018 3:57:07 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-01\2018-05-01_003.xad

Created: 5/1/2018 2:58:46 PM
Modified: 5/1/2018 3:57:07 PM

Curves

Standard Curve

