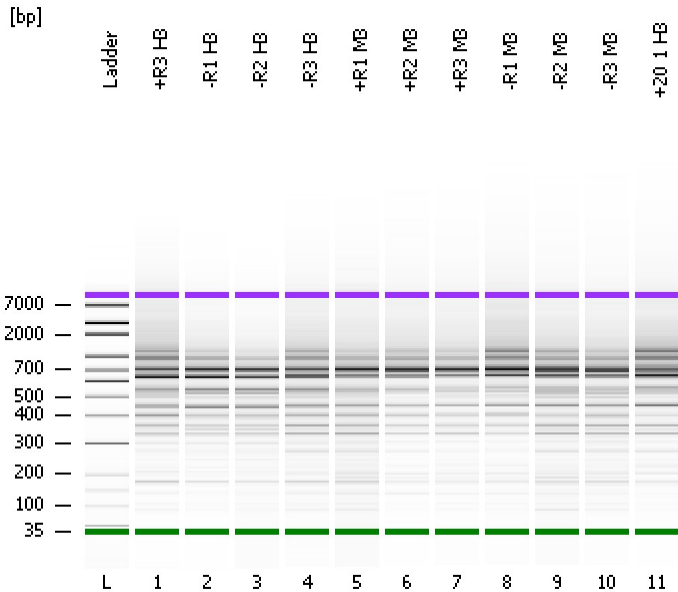


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
Modified: 5/2/2018 1:37:31 PM

Electrophoresis File Run Summary



Instrument Information:

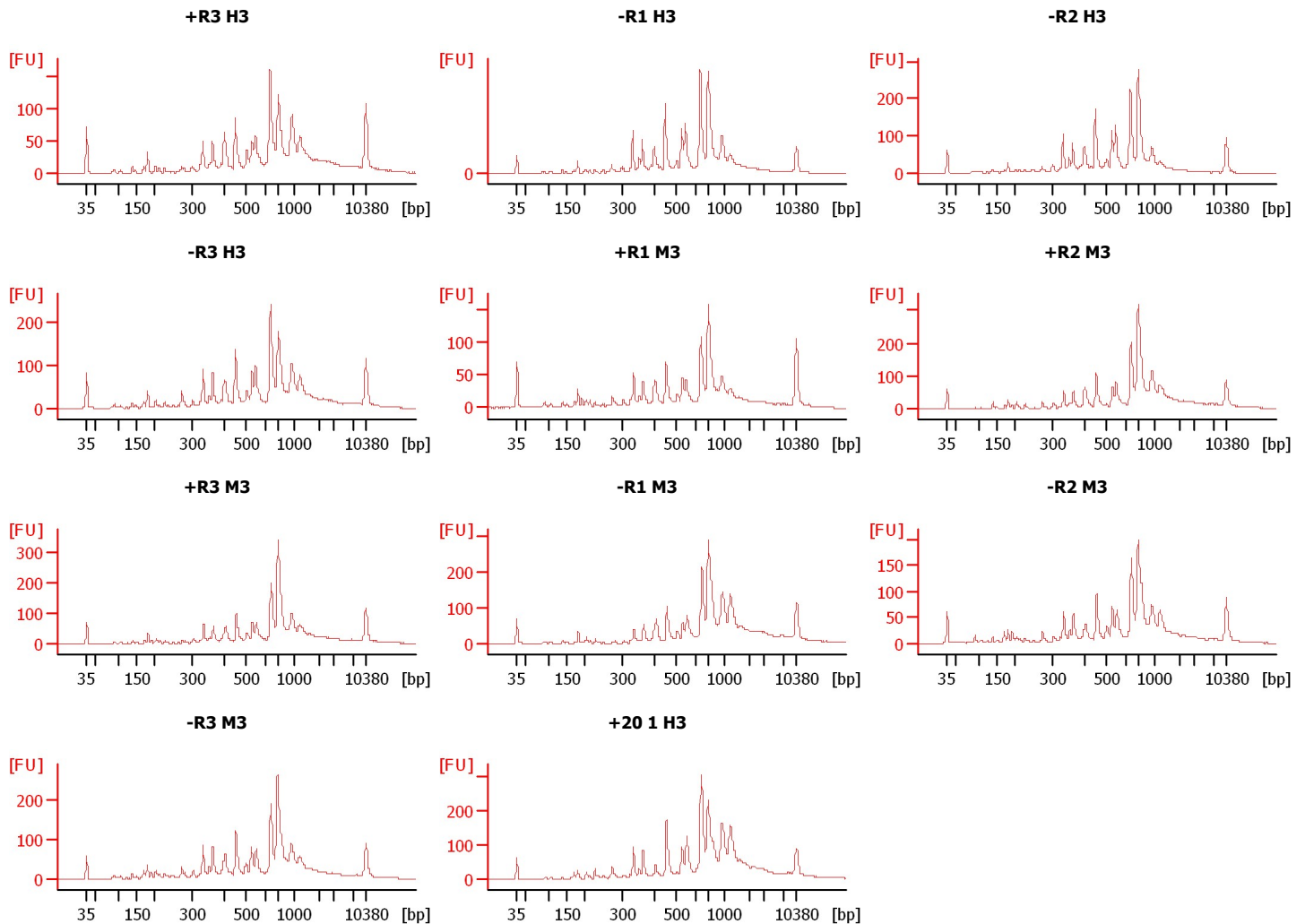
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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_002.xad

Created: 5/2/2018 12:56:10 PM
Modified: 5/2/2018 1:37:31 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
+R3 H3		<input type="checkbox"/>	✓			
-R1 H3		<input type="checkbox"/>	✓			
-R2 H3		<input type="checkbox"/>	✓			
-R3 H3		<input type="checkbox"/>	✓			
+R1 M3		<input type="checkbox"/>	✓			
+R2 M3		<input type="checkbox"/>	✓			
+R3 M3		<input type="checkbox"/>	✓			
-R1 M3		<input type="checkbox"/>	✓			
-R2 M3		<input type="checkbox"/>	✓			
-R3 M3		<input type="checkbox"/>	✓			
+20 1 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\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 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

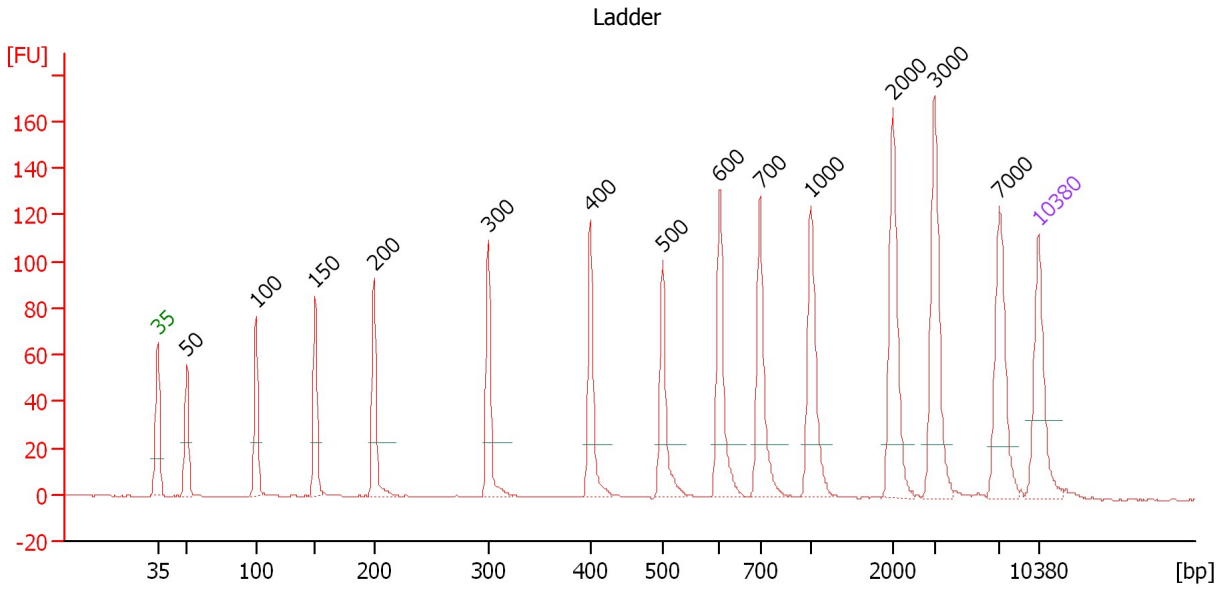
Ladder

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_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

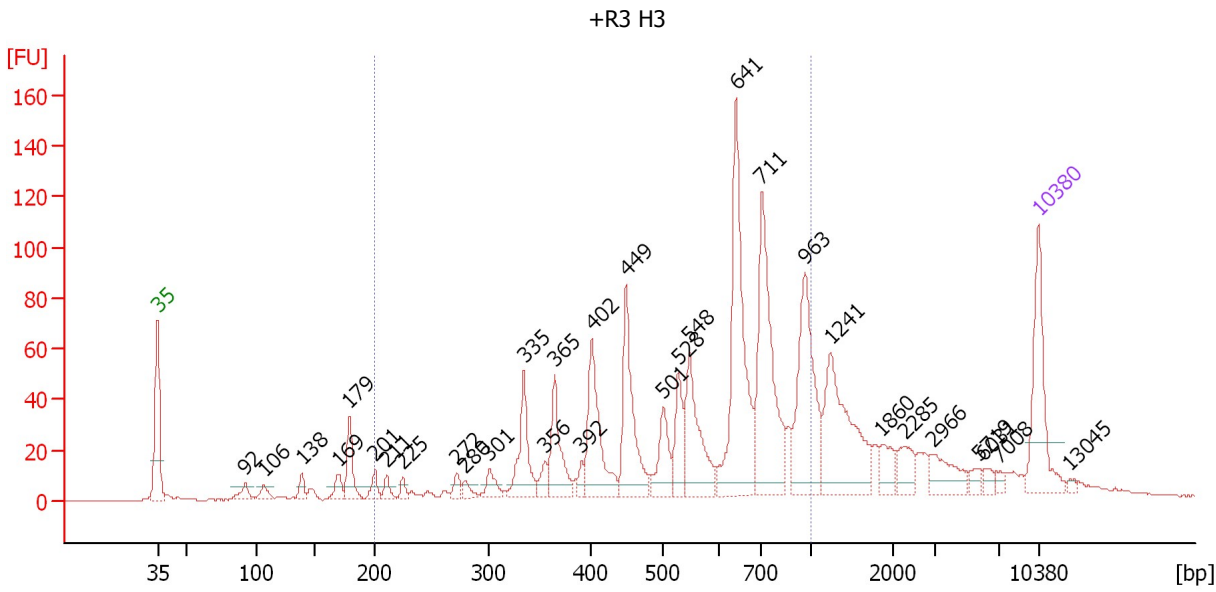
Peak table for Ladder

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	45.33
3	100	150.00	2,272.7	Ladder Peak	50.83
4	150	150.00	1,515.2	Ladder Peak	55.53
5	200	150.00	1,136.4	Ladder Peak	60.19
6	300	150.00	757.6	Ladder Peak	69.26
7	400	150.00	568.2	Ladder Peak	77.38
8	500	150.00	454.5	Ladder Peak	83.13
9	600	150.00	378.8	Ladder Peak	87.64
10	700	150.00	324.7	Ladder Peak	90.86
11	1,000	150.00	227.3	Ladder Peak	94.92
12	2,000	150.00	113.6	Ladder Peak	101.41
13	3,000	150.00	75.8	Ladder Peak	104.73
14	7,000	150.00	32.5	Ladder Peak	109.88
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_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : +R3 H3

Number of peaks found: 31 Corr. Area 1: 1,094.5
 Noise: 0.3

Peak table for sample 1 : +R3 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	17.20	282.4		49.98
3	106	12.86	183.0		51.44
4	138	13.32	145.8		54.45
5	169	17.33	155.3		57.31
6	179	43.92	372.2		58.22
7	201	15.12	114.0		60.27
8	211	11.56	83.1		61.18
9	225	8.46	56.9		62.48
10	272	11.03	61.4		66.75
11	280	9.89	53.6		67.40
12	301	18.89	95.0		69.36
13	335	68.16	308.0		72.12
14	356	15.61	66.5		73.78
15	365	63.57	263.9		74.54
16	392	11.14	43.1		76.69
17	402	99.97	376.7		77.50
18	449	106.63	359.6		80.21
19	501	47.07	142.3		83.17
20	528	45.05	129.4		84.38
21	548	91.92	254.2		85.28
22	641	203.73	481.8		88.95
23	711	182.65	389.2		91.01
24	963	132.76	208.8		94.42
25	1,241	126.13	154.0		96.48

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : +R3 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,860	21.04	17.1		100.50
27	2,285	22.36	14.8		102.35
28	2,966	28.66	14.6		104.61
29	5,719	7.35	1.9		108.23
30	6,031	7.68	1.9		108.63
31	7,008	4.90	1.1		109.89
32	10,380	75.00	10.9	Upper Marker	113.00
33	13,045	0.00	0.0		115.46

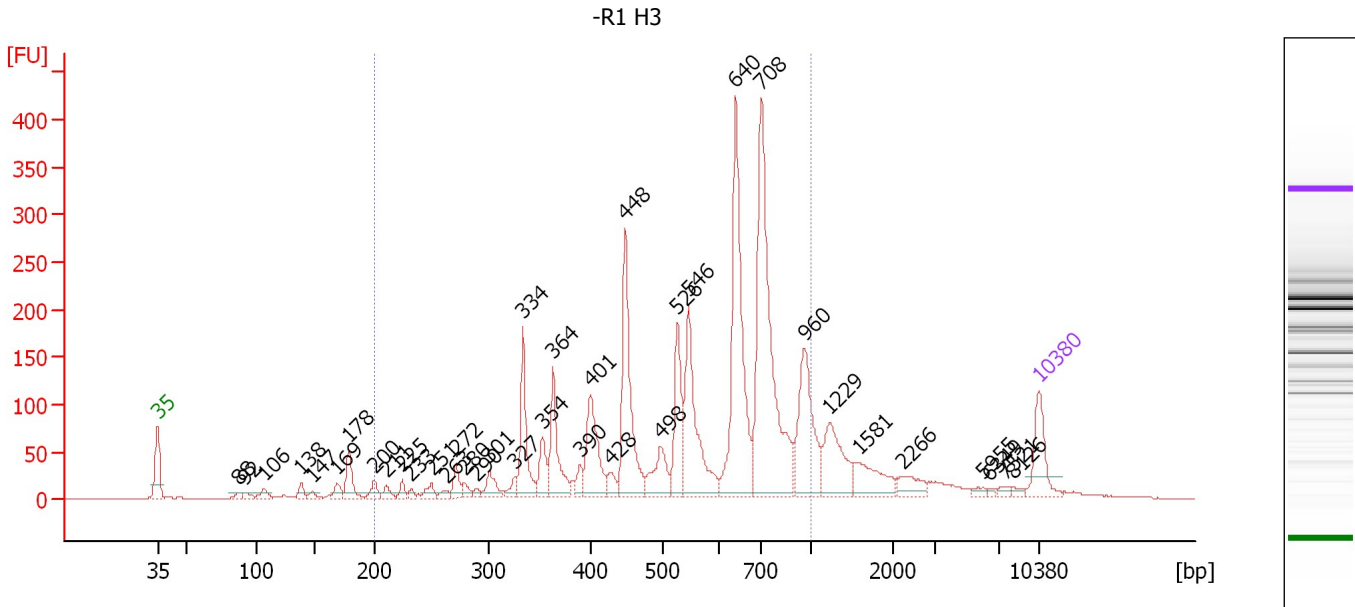
Region table for sample 1 : +R3 H3

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	587	1,217.20	1,094.5	3,787.0	67	33.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : -R1 H3

Number of peaks found: 38 Corr. Area 1: 2,703.3
 Noise: 0.3

Peak table for sample 2 : -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	88	12.87	221.8		49.50
3	92	14.12	232.4		49.95
4	106	23.27	331.4		51.43
5	138	21.73	238.3		54.42
6	147	11.89	122.3		55.28
7	169	25.17	226.2		57.26
8	178	66.64	566.0		58.18
9	200	27.40	207.4		60.21
10	211	18.75	134.7		61.17
11	225	18.89	127.3		62.44
12	233	9.21	60.0		63.15
13	251	22.54	136.3		64.78
14	263	12.48	71.9		65.89
15	272	35.21	196.3		66.71
16	280	18.48	100.1		67.42
17	290	11.26	58.9		68.33
18	301	45.44	228.6		69.35
19	327	23.65	109.7		71.43
20	334	156.76	710.7		72.04
21	354	63.56	272.4		73.61
22	364	141.87	591.2		74.42
23	390	28.46	110.6		76.55
24	401	155.39	587.7		77.42
25	428	28.91	102.3		78.99

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : -R1 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	448	286.21	967.3		80.16
27	498	88.60	269.7		83.00
28	526	148.84	428.4		84.32
29	546	256.72	712.9		85.18
30	640	446.32	1,055.8		88.94
31	708	601.54	1,286.6		90.97
32	960	208.75	329.6		94.37
33	1,229	129.67	159.9		96.40
34	1,581	78.83	75.6		98.69
35	2,266	37.41	25.0		102.29
36	5,955	8.01	2.0		108.53
37	6,349	4.53	1.1		109.04
38	7,521	7.72	1.6		110.36
39	8,126	6.55	1.2		110.92
40	10,380	75.00	10.9	Upper Marker	113.00

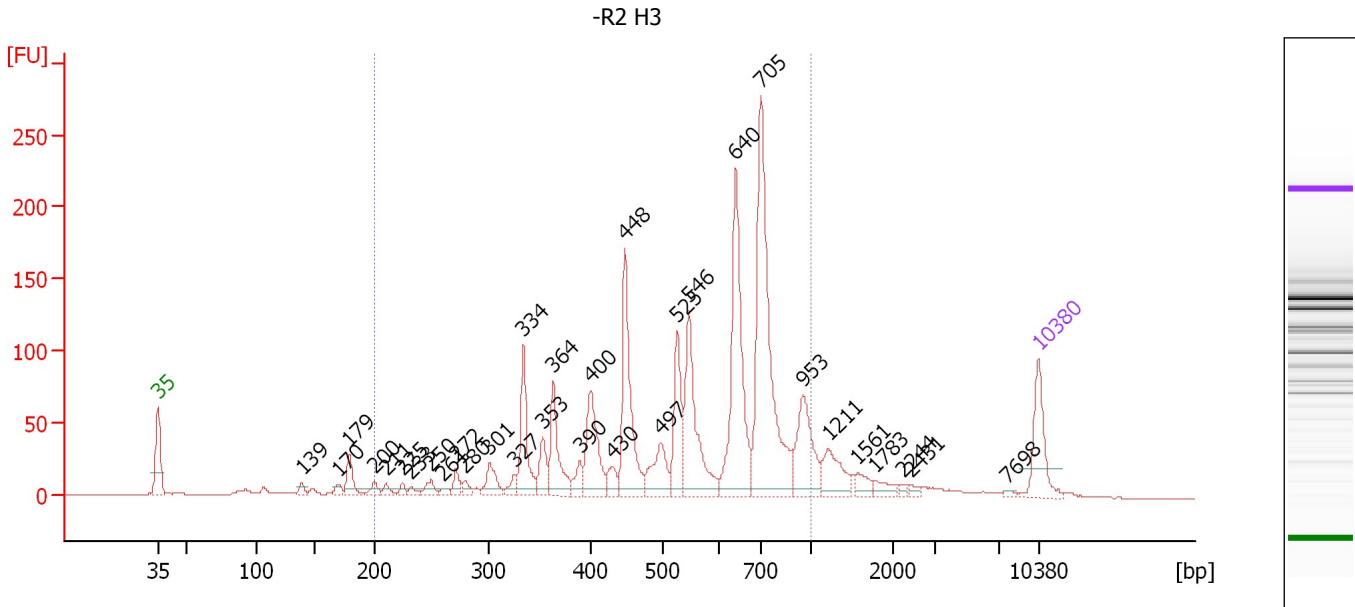
Region table for sample 2 : -R1 H3

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	581	2,922.75	2,703.3	9,078.4	79	31.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : -R2 H3

Number of peaks found: 32 Corr. Area 1: 1,627.7
 Noise: 0.3

Peak table for sample 3 : -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	139	12.92	141.3		54.45
3	170	12.96	115.6		57.39
4	179	44.59	377.8		58.22
5	200	16.79	127.0		60.23
6	211	13.19	94.9		61.16
7	225	10.67	71.9		62.45
8	233	10.26	66.8		63.17
9	250	20.26	122.6		64.77
10	261	9.76	56.7		65.70
11	272	22.52	125.4		66.73
12	280	13.88	75.3		67.40
13	301	41.43	208.4		69.36
14	327	19.07	88.4		71.42
15	334	114.63	519.5		72.04
16	353	45.86	196.7		73.59
17	364	100.24	417.1		74.47
18	390	28.62	111.1		76.58
19	400	121.18	458.5		77.41
20	430	27.42	96.6		79.11
21	448	201.71	682.2		80.14
22	497	74.26	226.2		82.98
23	525	109.05	314.6		84.27
24	546	182.03	505.2		85.20
25	640	279.66	662.5		88.91

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : -R2 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	705	429.02	922.2		90.92
27	953	114.43	182.0		94.27
28	1,211	61.91	77.5		96.29
29	1,561	20.82	20.2		98.56
30	1,783	17.33	14.7		100.00
31	2,244	5.25	3.5		102.22
32	2,431	7.13	4.4		102.84
33	7,698	4.42	0.9		110.52
34	10,380	75.00	10.9	Upper Marker	113.00

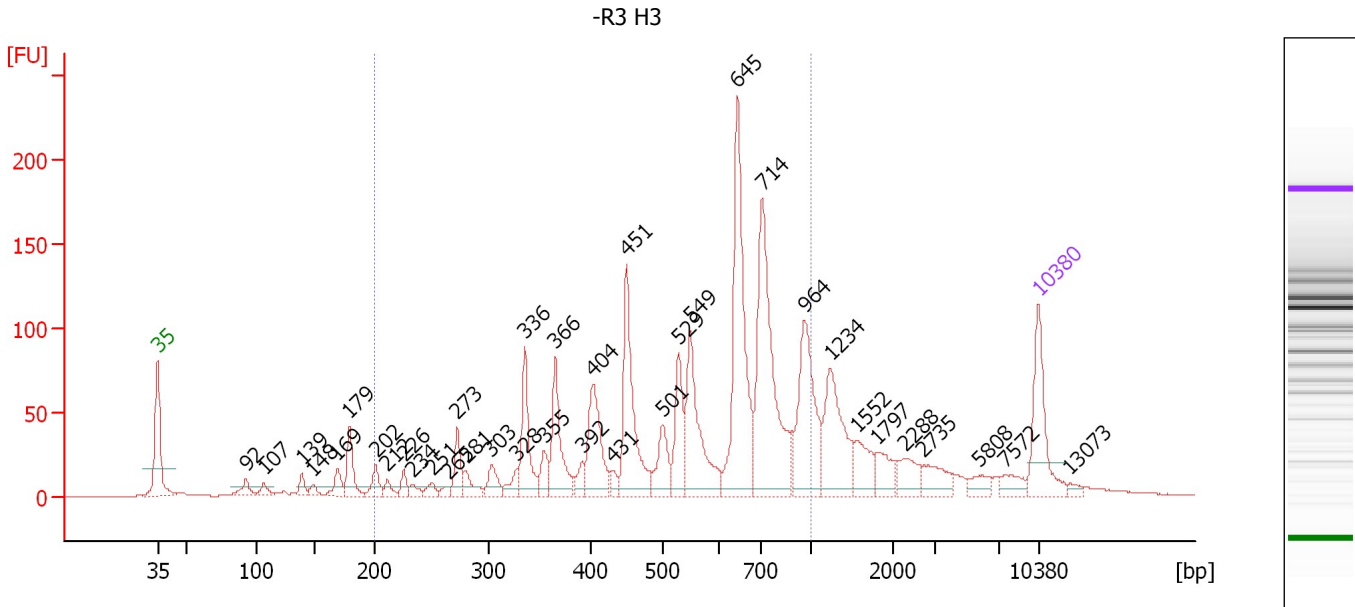
Region table for sample 3 : -R2 H3

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	569	2,014.40	1,627.7	6,328.4	84	31.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : -R3 H3

Number of peaks found: 37 Corr. Area 1: 1,566.6
 Noise: 0.2

Peak table for sample 4 : -R3 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	21.94	360.0		49.98
3	107	13.90	197.2		51.47
4	139	15.82	172.7		54.48
5	148	10.89	111.2		55.38
6	169	23.89	214.4		57.29
7	179	50.55	427.8		58.24
8	202	23.68	177.8		60.35
9	212	12.41	88.8		61.25
10	226	14.96	100.2		62.58
11	234	9.90	64.1		63.26
12	251	11.62	70.1		64.85
13	265	8.50	48.6		66.07
14	273	36.19	200.8		66.81
15	281	21.45	115.8		67.50
16	303	26.12	130.6		69.51
17	328	18.25	84.2		71.57
18	336	80.41	363.0		72.15
19	355	26.15	111.7		73.69
20	366	86.35	357.9		74.59
21	392	17.24	66.7		76.70
22	404	95.71	359.1		77.60
23	431	13.66	48.1		79.14
24	451	145.57	489.2		80.30
25	501	49.51	149.8		83.16

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : -R3 H3

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	529	67.16	192.4		84.43
27	549	127.89	353.1		85.33
28	645	239.10	561.7		89.08
29	714	255.71	542.8		91.04
30	964	136.23	214.1		94.43
31	1,234	107.46	131.9		96.44
32	1,552	37.75	36.8		98.50
33	1,797	29.41	24.8		100.09
34	2,288	28.72	19.0		102.37
35	2,735	30.22	16.7		103.85
36	5,808	16.07	4.2		108.34
37	7,572	17.33	3.5		110.41
38	10,380	75.00	10.9	Upper Marker	113.00
39	13,073	0.00	0.0		115.49

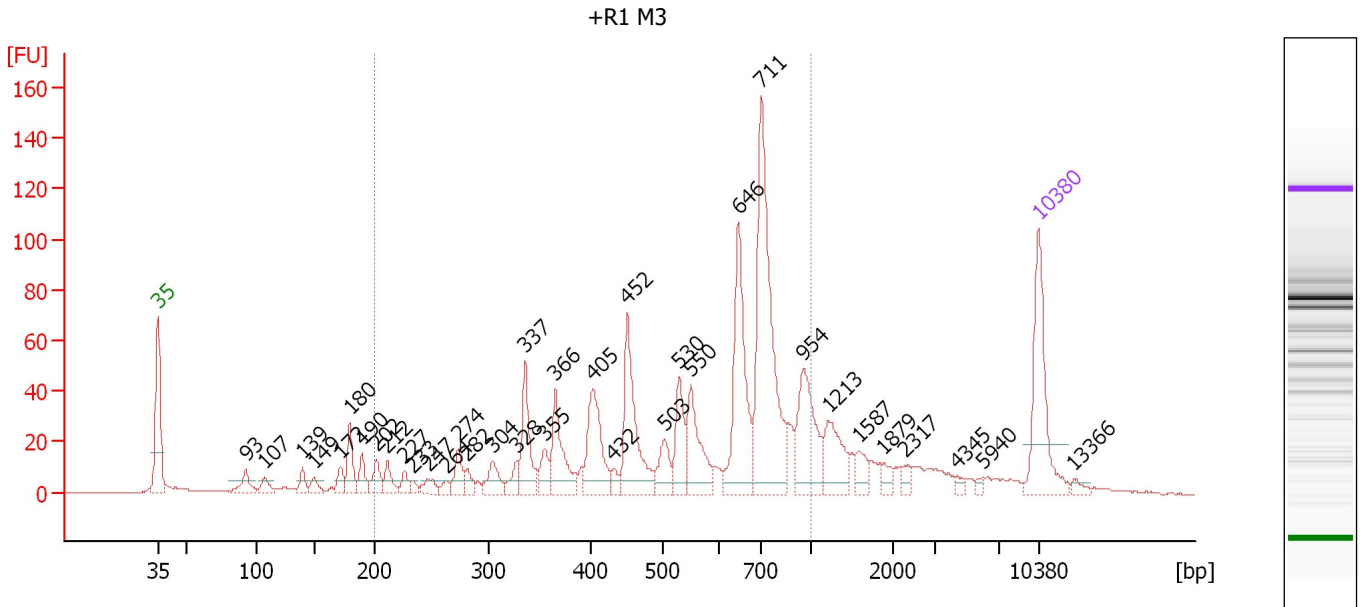
Region table for sample 4 : -R3 H3

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	575	1,509.44	1,566.6	4,835.3	 71	33.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : +R1 M3

Number of peaks found: 36 Corr. Area 1: 956.3
 Noise: 0.2

Peak table for sample 5 : +R1 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	23.62	385.9		50.03
3	107	14.33	203.0		51.49
4	139	13.49	146.9		54.51
5	149	11.91	121.1		55.43
6	172	14.56	128.6		57.54
7	180	33.51	282.6		58.30
8	190	18.28	146.2		59.22
9	202	21.34	159.8		60.41
10	212	16.83	120.4		61.27
11	227	10.73	71.6		62.62
12	233	6.54	42.5		63.22
13	247	12.23	75.0		64.46
14	264	7.04	40.5		65.97
15	274	20.37	112.6		66.89
16	282	10.94	58.8		67.59
17	304	21.97	109.4		69.59
18	328	15.59	72.0		71.54
19	337	53.32	239.9		72.24
20	355	20.60	87.8		73.76
21	366	56.12	232.3		74.62
22	405	69.57	260.5		77.65
23	432	8.25	28.9		79.22
24	452	92.42	310.0		80.35
25	503	25.53	76.9		83.27

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : +R1 M3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	530	43.42	124.2		84.46
27	550	58.28	160.6		85.38
28	646	118.87	278.9		89.11
29	711	216.57	461.7		91.00
30	954	72.12	114.5		94.30
31	1,213	43.61	54.5		96.30
32	1,587	15.36	14.7		98.73
33	1,879	9.31	7.5		100.62
34	2,317	6.49	4.2		102.46
35	4,345	4.75	1.7		106.46
36	5,940	3.44	0.9		108.51
37	10,380	75.00	10.9	Upper Marker	113.00
38	13,366	0.00	0.0		115.76

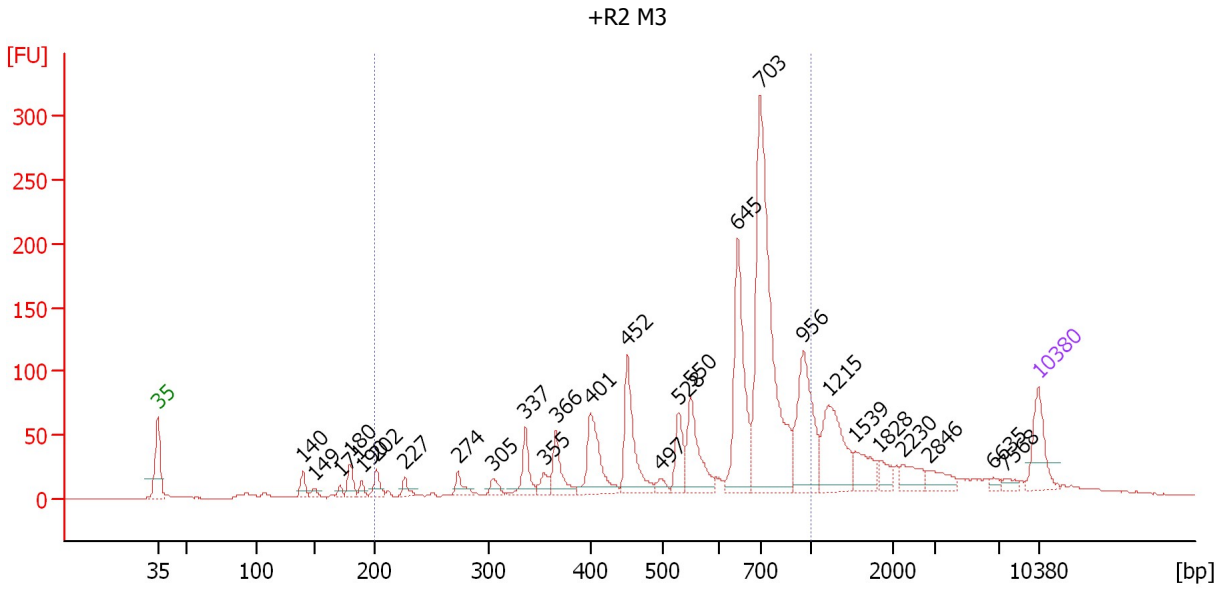
Region table for sample 5 : +R1 M3

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	574	1,002.99	956.3	3,266.9	72	34.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

Created: 5/2/2018 12:56:10 PM
 Modified: 5/2/2018 1:37:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : +R2 M3

Number of peaks found: 27 Corr. Area 1: 1,545.8
 Noise: 0.3

Peak table for sample 6 : +R2 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	30.67	333.1		54.55
3	149	12.41	125.7		55.49
4	171	11.95	105.9		57.48
5	180	39.27	331.0		58.30
6	190	16.70	133.3		59.24
7	202	35.22	263.7		60.40
8	227	21.45	143.4		62.61
9	274	30.32	167.9		66.87
10	305	22.66	112.7		69.63
11	337	69.15	311.3		72.23
12	355	26.16	111.7		73.72
13	366	76.87	317.8		74.66
14	401	139.29	526.7		77.42
15	452	160.96	540.0		80.35
16	497	17.13	52.2		82.94
17	528	68.88	197.7		84.38
18	550	130.29	359.0		85.38
19	645	270.63	636.0		89.08
20	703	638.88	1,376.3		90.90
21	956	203.17	321.9		94.33
22	1,215	158.82	198.0		96.31
23	1,539	56.63	55.8		98.41
24	1,828	26.77	22.2		100.29
25	2,230	37.03	25.2		102.17

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 6 : +R2 M3

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,846	33.96	18.1		104.22
27	6,635	9.27	2.1		109.41
28	7,568	10.85	2.2		110.40
29	10,380	75.00	10.9	Upper Marker	113.00

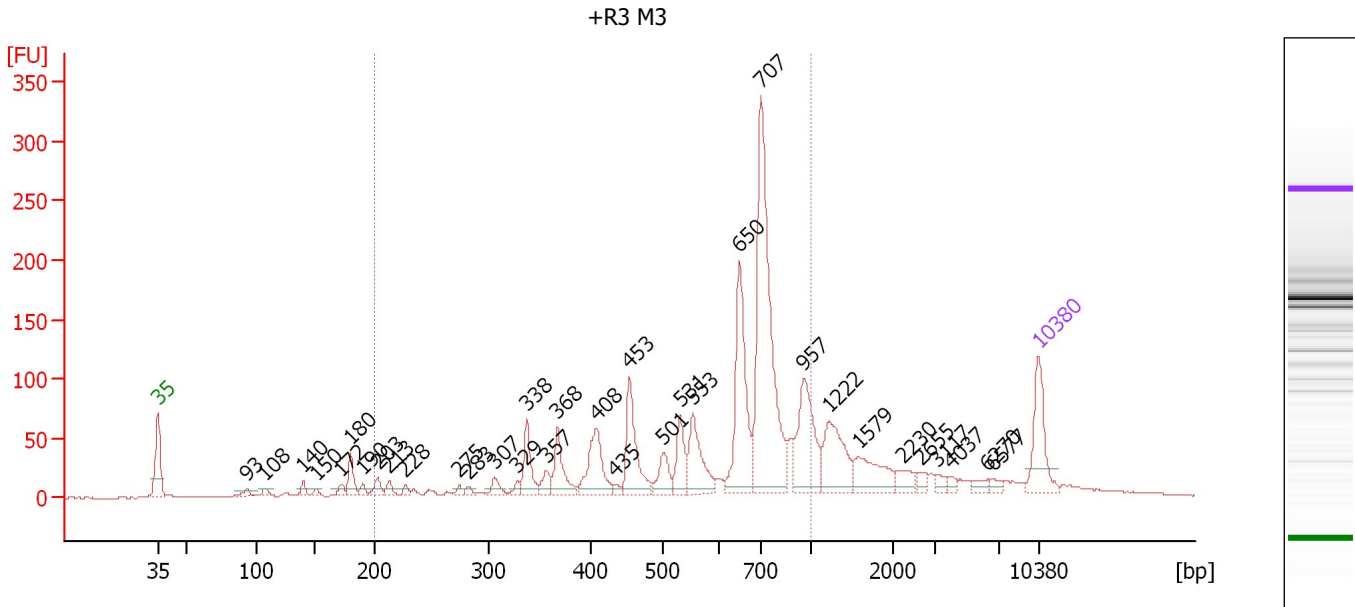
Region table for sample 6 : +R2 M3

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	620	2,138.16	1,545.8	6,294.2	69	30.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : +R3 M3

Number of peaks found: 34 Corr. Area 1: 1,529.8
 Noise: 0.3

Peak table for sample 7 : +R3 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	12.12	197.6		50.05
3	108	10.71	150.4		51.57
4	140	14.06	152.5		54.56
5	150	7.70	77.5		55.58
6	172	12.12	106.6		57.61
7	180	39.92	335.7		58.34
8	190	10.04	79.9		59.30
9	203	19.95	148.7		60.49
10	213	13.85	98.4		61.39
11	228	8.42	56.0		62.69
12	275	8.30	45.8		66.97
13	283	8.06	43.2		67.71
14	307	18.55	91.7		69.79
15	329	9.84	45.4		71.60
16	338	62.80	281.6		72.33
17	357	23.03	97.7		73.91
18	368	65.17	268.5		74.76
19	408	96.85	359.4		77.86
20	435	7.41	25.8		79.38
21	453	110.94	370.7		80.45
22	501	42.85	129.7		83.16
23	531	58.93	168.2		84.51
24	553	90.86	248.8		85.53
25	650	201.00	468.4		89.25

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 7 : +R3 M3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	707	449.64	964.1		90.95
27	957	138.09	218.7		94.33
28	1,222	103.45	128.2		96.36
29	1,579	68.05	65.3		98.67
30	2,230	22.05	15.0		102.17
31	2,655	10.08	5.8		103.58
32	3,117	9.64	4.7		104.88
33	4,037	7.35	2.8		106.06
34	6,270	11.15	2.7		108.94
35	6,577	7.88	1.8		109.33
36	10,380	75.00	10.9	Upper Marker	113.00

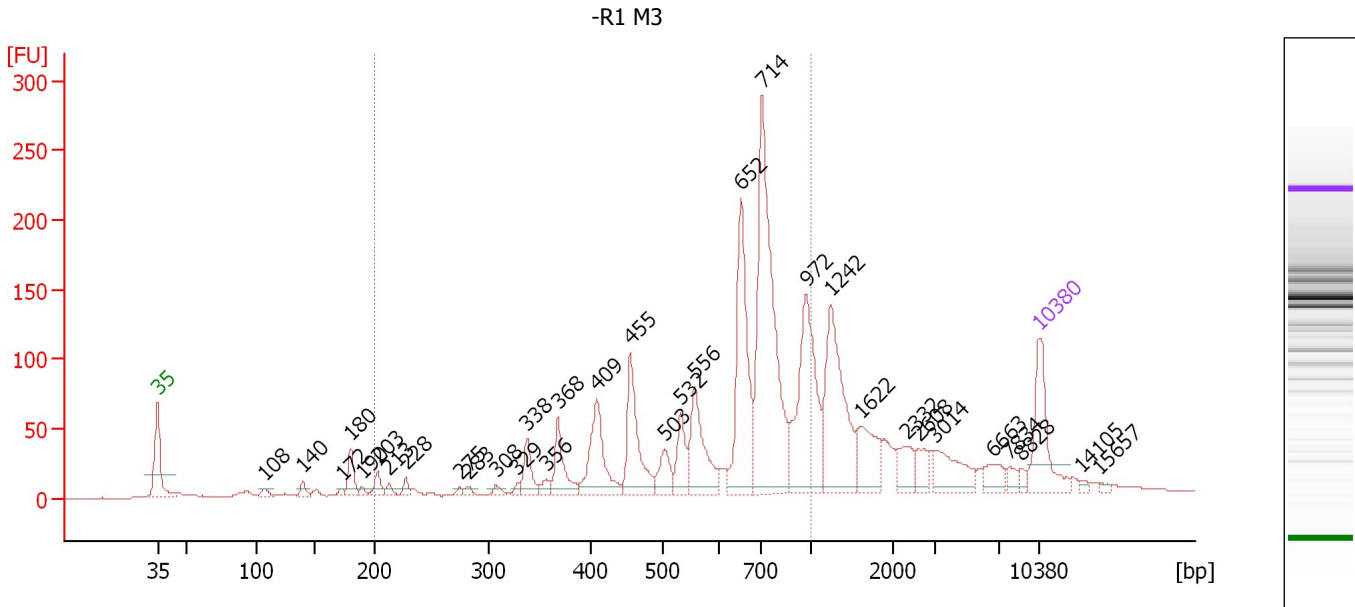
Region table for sample 7 : +R3 M3

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	610	1,612.63	1,529.8	4,827.6	69	31.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : -R1 M3

Number of peaks found: 33 Corr. Area 1: 1,567.5
 Noise: 0.3

Peak table for sample 8 : -R1 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	108	9.43	132.8		51.54
3	140	11.84	128.3		54.58
4	172	5.46	48.0		57.62
5	180	35.12	295.0		58.36
6	190	6.27	49.9		59.28
7	203	19.28	143.7		60.49
8	213	8.48	60.2		61.40
9	228	11.24	74.7		62.72
10	275	5.02	27.6		67.02
11	283	6.74	36.1		67.71
12	308	7.77	38.2		69.89
13	329	5.46	25.2		71.61
14	338	38.81	173.9		72.35
15	356	11.71	49.8		73.84
16	368	55.98	230.2		74.82
17	409	101.45	375.6		77.91
18	455	107.85	359.0		80.55
19	503	35.86	108.1		83.25
20	532	46.81	133.3		84.56
21	556	94.89	258.6		85.65
22	652	196.94	457.4		89.32
23	714	377.60	801.5		91.04
24	972	187.08	291.6		94.54
25	1,242	171.80	209.6		96.49

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : -R1 M3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,622	61.83	57.8		98.95
27	2,332	29.23	19.0		102.51
28	2,608	23.10	13.4		103.43
29	3,014	50.12	25.2		104.74
30	6,663	21.75	4.9		109.45
31	7,834	10.49	2.0		110.65
32	8,828	7.27	1.2		111.57
33	10,380	75.00	10.9	Upper Marker	113.00
34	14,105	0.00	0.0		116.44
35	15,657	0.00	0.0		117.87

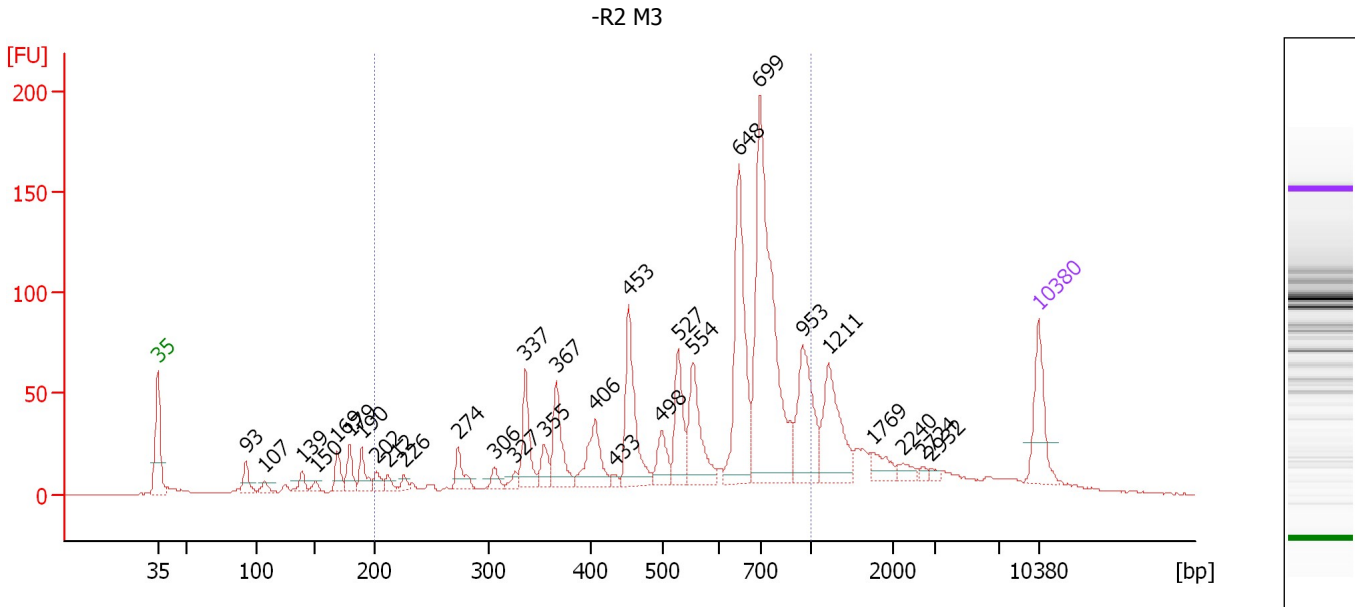
Region table for sample 8 : -R1 M3

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	629	1,395.46	1,567.5	4,025.1	61	30.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : -R2 M3

Number of peaks found: 30 Corr. Area 1: 1,256.7
 Noise: 0.3

Peak table for sample 9 : -R2 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	36.74	601.6		50.01
3	107	15.07	213.2		51.50
4	139	21.72	237.0		54.48
5	150	10.94	110.2		55.58
6	169	35.56	318.9		57.30
7	179	41.46	350.1		58.27
8	190	41.88	334.2		59.25
9	202	20.36	152.5		60.40
10	212	14.92	106.4		61.32
11	226	11.72	78.4		62.58
12	274	37.81	209.1		66.89
13	306	17.25	85.3		69.76
14	327	12.01	55.7		71.42
15	337	85.92	386.7		72.23
16	355	32.61	139.2		73.72
17	367	89.96	371.4		74.70
18	406	83.28	310.6		77.74
19	433	7.85	27.5		79.29
20	453	149.33	499.2		80.44
21	498	45.88	139.5		83.02
22	527	91.27	262.4		84.35
23	554	113.59	310.8		85.55
24	648	241.69	565.4		89.17
25	699	474.78	1,028.6		90.83

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 9 : -R2 M3

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	953	137.67	218.9		94.28
27	1,211	122.55	153.3		96.29
28	1,769	28.61	24.5		99.91
29	2,240	13.94	9.4		102.20
30	2,724	5.32	3.0		103.81
31	2,932	5.50	2.8		104.50
32	10,380	75.00	10.9	Upper Marker	113.00

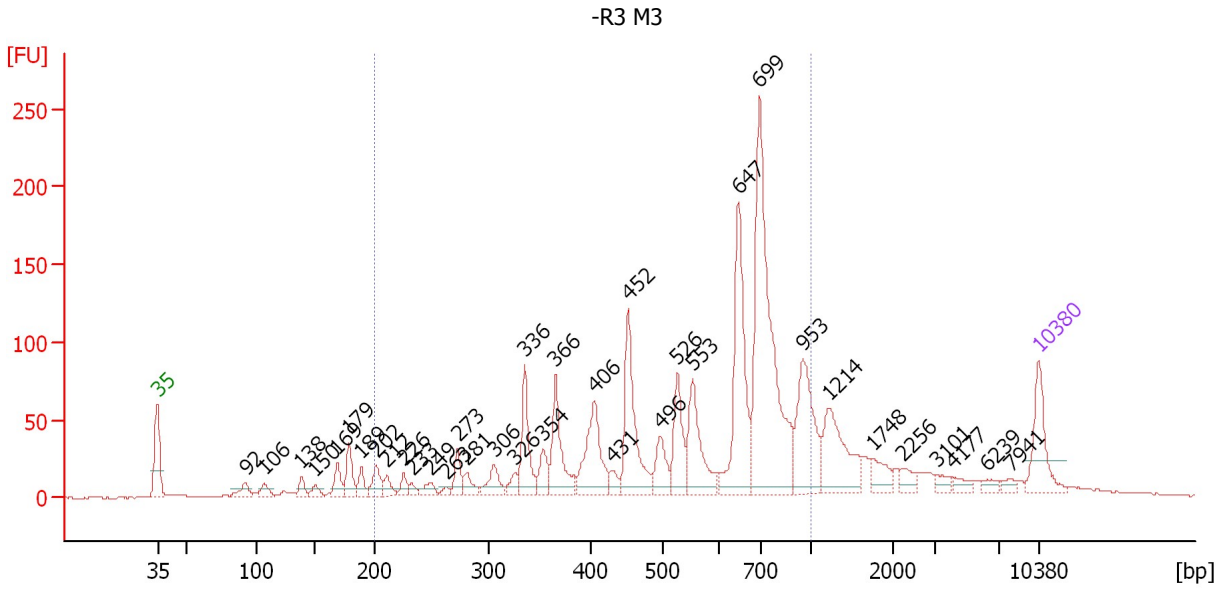
Region table for sample 9 : -R2 M3

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	593	1,989.81	1,256.7	6,177.9	 70	32.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : -R3 M3

Number of peaks found: 36 Corr. Area 1: 1,579.1
 Noise: 0.3

Peak table for sample 10 : -R3 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	92	28.22	462.9		49.99
3	106	23.05	328.2		51.43
4	138	21.48	235.2		54.44
5	150	16.96	171.3		55.53
6	169	37.00	332.5		57.27
7	179	53.09	450.6		58.19
8	189	28.23	226.2		59.17
9	202	39.49	296.0		60.38
10	212	22.74	162.8		61.25
11	226	20.76	139.0		62.58
12	233	11.76	76.4		63.21
13	249	20.80	126.4		64.66
14	263	9.31	53.6		65.93
15	273	35.73	197.9		66.85
16	281	25.62	138.1		67.55
17	306	42.98	212.8		69.74
18	326	20.70	96.2		71.36
19	336	103.57	467.3		72.17
20	354	42.32	181.3		73.61
21	366	115.22	477.4		74.59
22	406	138.07	515.6		77.71
23	431	19.12	67.2		79.16
24	452	174.82	586.1		80.37
25	496	57.60	175.9		82.91

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 10 : -R3 M3

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	526	92.42	266.3		84.30
27	553	123.44	338.3		85.51
28	647	251.39	588.8		89.15
29	699	505.71	1,096.3		90.82
30	953	155.23	246.7		94.29
31	1,214	131.42	164.0		96.31
32	1,748	34.28	29.7		99.77
33	2,256	19.57	13.1		102.26
34	3,101	13.07	6.4		104.86
35	4,177	12.83	4.7		106.24
36	6,239	11.09	2.7		108.90
37	7,941	8.97	1.7		110.75
38	10,380	75.00	10.9	Upper Marker	113.00

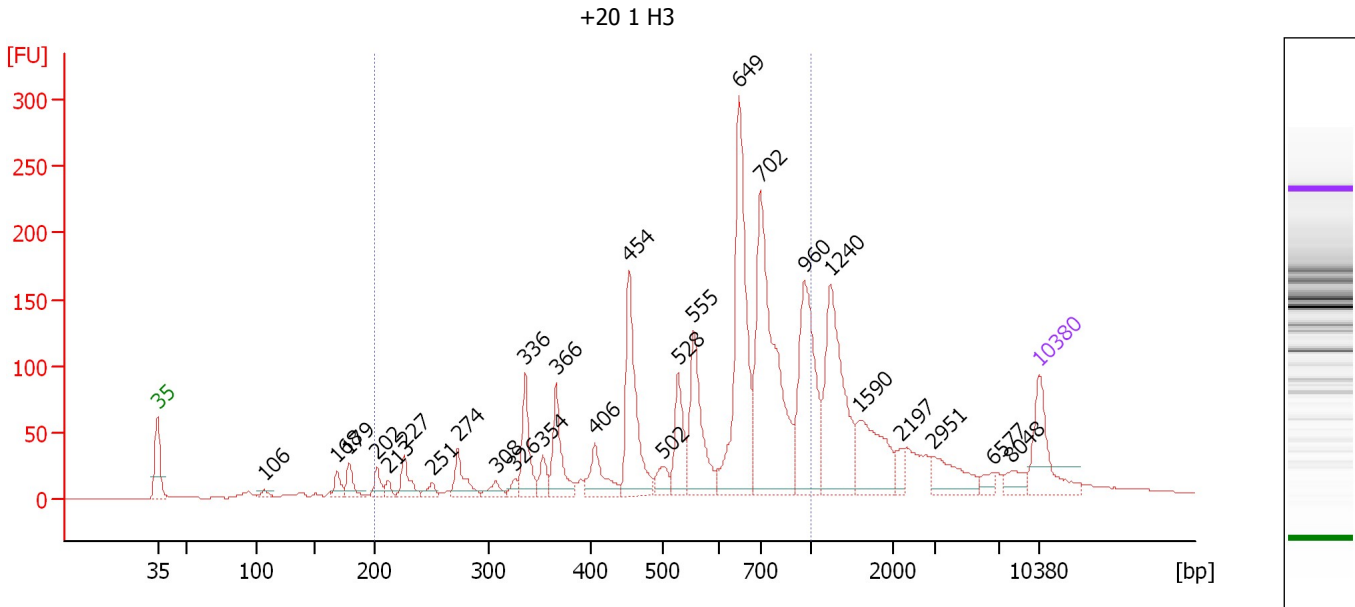
Region table for sample 10 : -R3 M3

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	579	2,122.37	1,579.1	6,826.4	72	33.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : +20 1 H3

Number of peaks found: 27 Corr. Area 1: 1,900.3
 Noise: 0.2

Peak table for sample 11 : +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	106	11.49	163.5		51.44
3	168	24.18	217.4		57.26
4	179	35.94	304.0		58.25
5	202	26.54	198.8		60.40
6	213	13.77	98.1		61.33
7	227	41.97	280.5		62.61
8	251	15.28	92.2		64.82
9	274	51.15	283.3		66.86
10	308	19.07	93.9		69.88
11	326	12.87	59.8		71.40
12	336	83.77	377.4		72.21
13	354	27.66	118.5		73.61
14	366	86.10	356.0		74.65
15	406	61.50	229.4		77.74
16	454	181.72	606.7		80.47
17	502	27.96	84.4		83.21
18	528	77.49	222.5		84.37
19	555	143.58	392.2		85.59
20	649	319.00	745.2		89.20
21	702	390.54	842.4		90.89
22	960	206.43	325.7		94.38
23	1,240	214.39	262.0		96.47
24	1,590	108.98	103.9		98.74
25	2,197	18.02	12.4		102.06

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : +20 1 H3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,951	54.48	28.0		104.56
27	6,577	12.25	2.8		109.33
28	8,048	19.84	3.7		110.85
29	10,380	75.00	10.9	Upper Marker	113.00

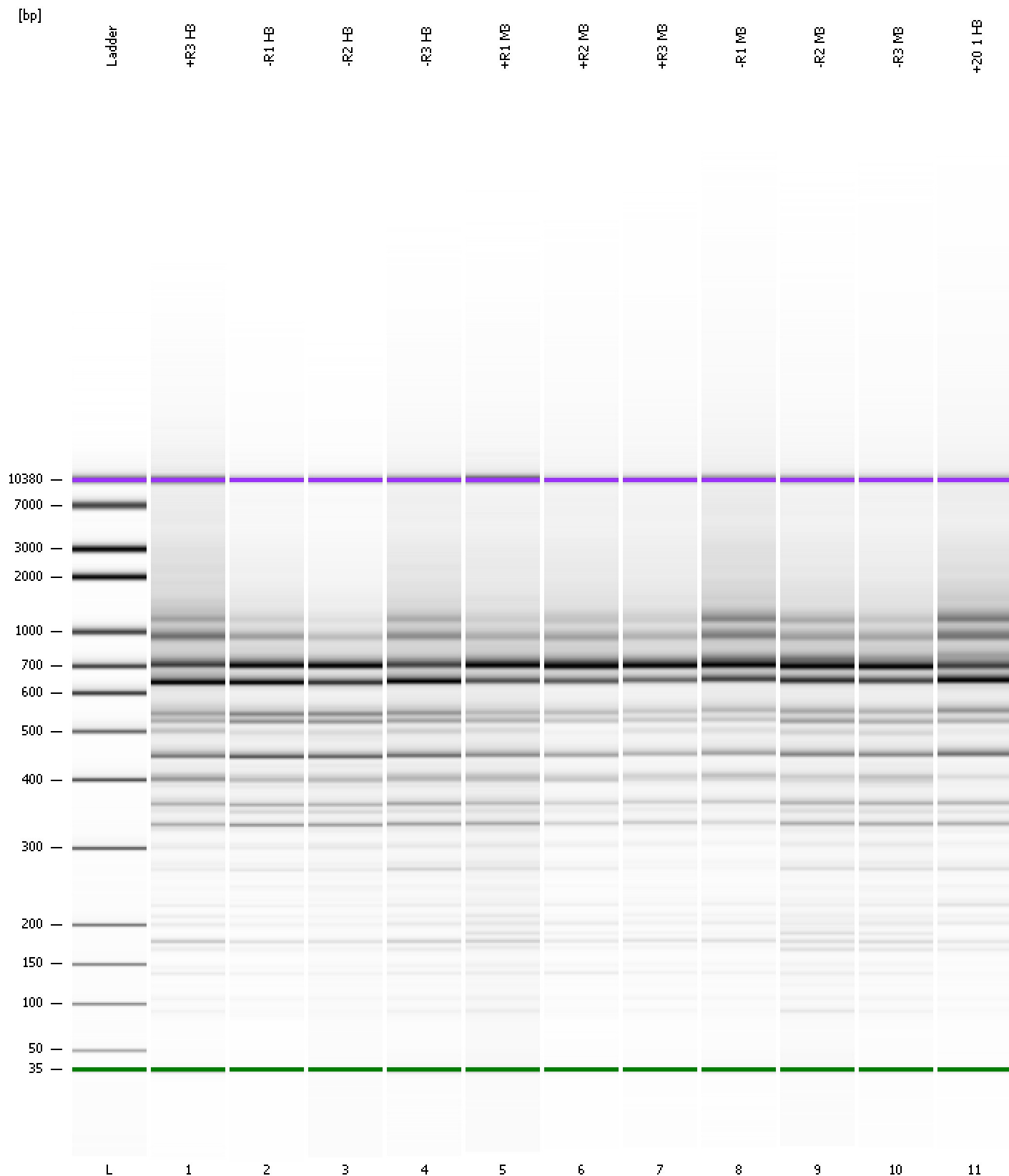
Region table for sample 11 : +20 1 H3

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	602	1,839.15	1,900.3	5,692.8	65	32.8

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-02\2018-05-02_002.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_002.xad

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Curves

Standard Curve

