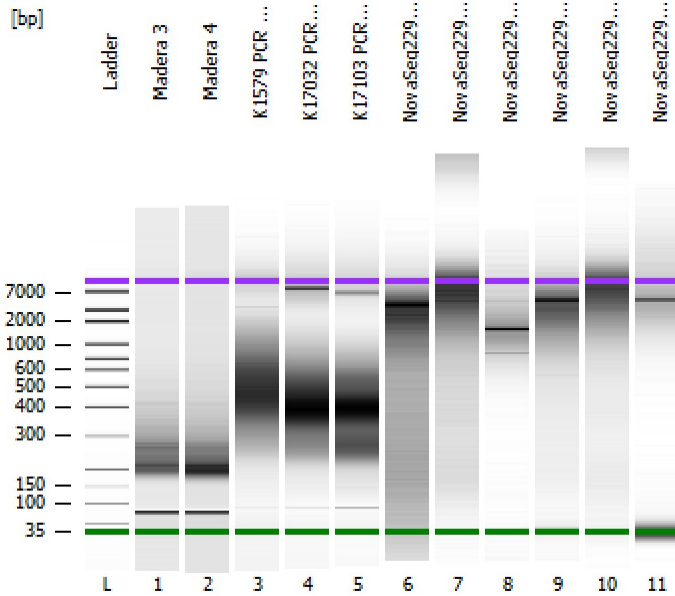


Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
Modified: 7/10/2020 4:15:00 PM

Electrophoresis File Run Summary



Instrument Information:

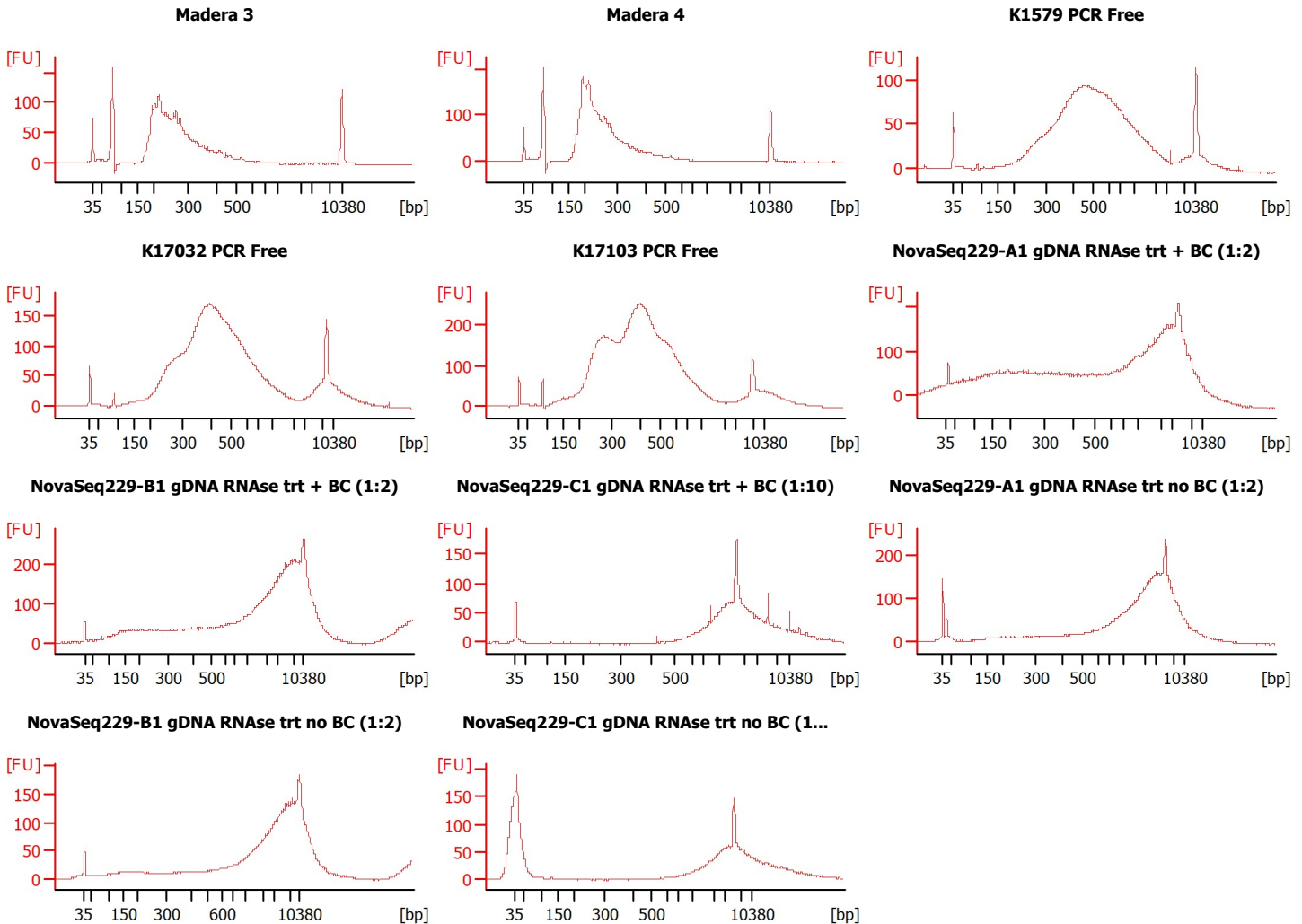
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Madera 3		<input type="checkbox"/>	✓			
Madera 4		<input type="checkbox"/>	✓			
K1579 PCR Free		<input type="checkbox"/>	✓			
K17032 PCR Free		<input type="checkbox"/>	✓			
K17103 PCR Free		<input type="checkbox"/>	✓			
NovaSeq229-A1 gDNA RNase trt + BC (1:2)		<input type="checkbox"/>	✓			
NovaSeq229-B1 gDNA RNase trt + BC (1:2)		<input type="checkbox"/>	✓			
NovaSeq229-C1 gDNA RNase trt + BC (1:10)		<input type="checkbox"/>	✓			
NovaSeq229-A1 gDNA RNase trt no BC (1:2)		<input type="checkbox"/>	✓			
NovaSeq229-B1 gDNA RNase trt no BC (1:2)		<input type="checkbox"/>	✓			
NovaSeq229-C1 gDNA RNase trt no BC (1:10)		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 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

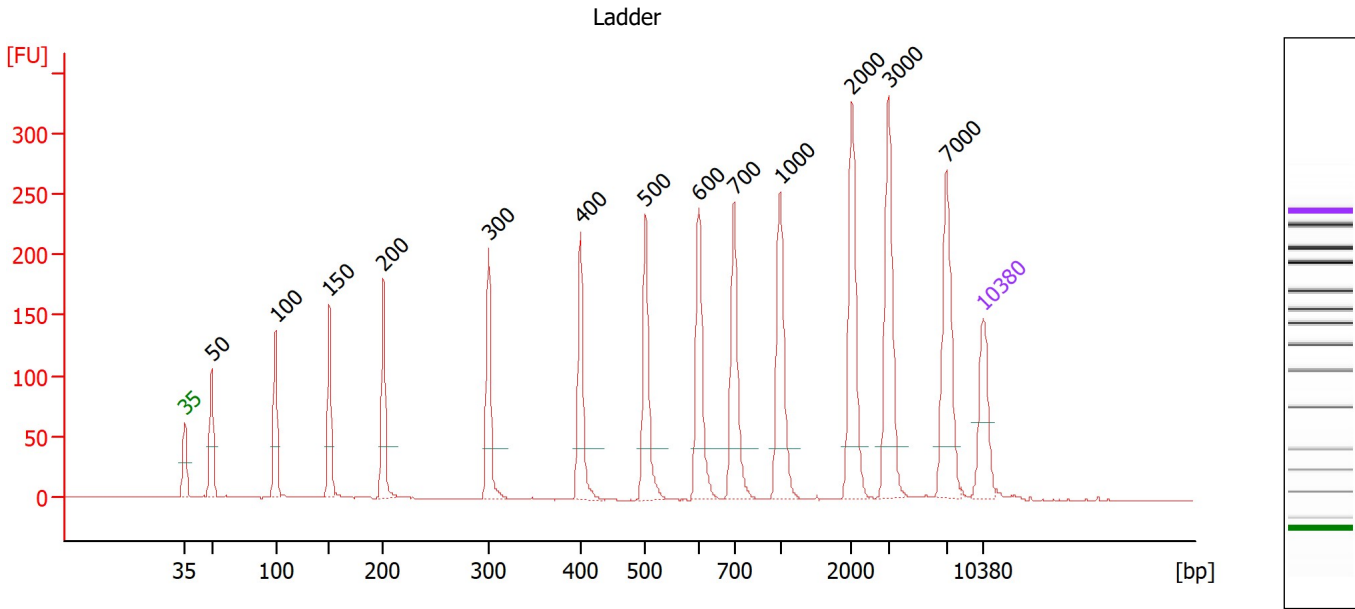
Ladder

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: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

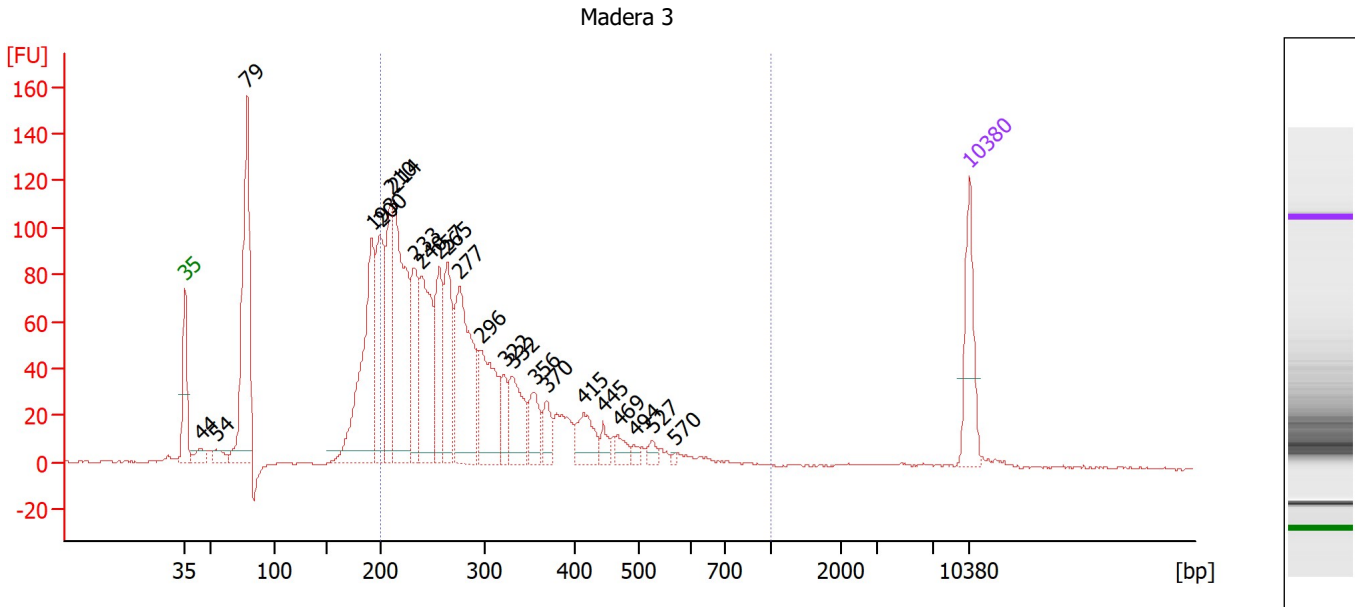
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Madera 3

Number of peaks found: 23 Corr. Area 1: 1,640.6
 Noise: 0.4

Peak table for sample 1 : Madera 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	25.82	892.2	
3	54	22.54	630.6	
4	79	393.44	7,570.3	
5	193	317.70	2,499.9	
6	200	191.27	1,448.2	
7	210	148.80	1,071.7	
8	214	339.98	2,407.4	
9	233	142.62	925.5	
10	240	204.47	1,292.7	
11	257	135.51	798.5	
12	265	140.79	805.5	
13	277	250.23	1,370.5	
14	296	150.68	770.9	
15	322	42.73	201.0	
16	332	91.36	417.4	
17	356	54.74	233.1	
18	370	35.34	144.7	
19	415	57.10	208.3	
20	445	17.89	60.9	
21	469	20.08	64.9	
22	494	8.58	26.3	
23	527	11.14	32.0	
24	570	3.44	9.2	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...

... Region table for sample 1 :

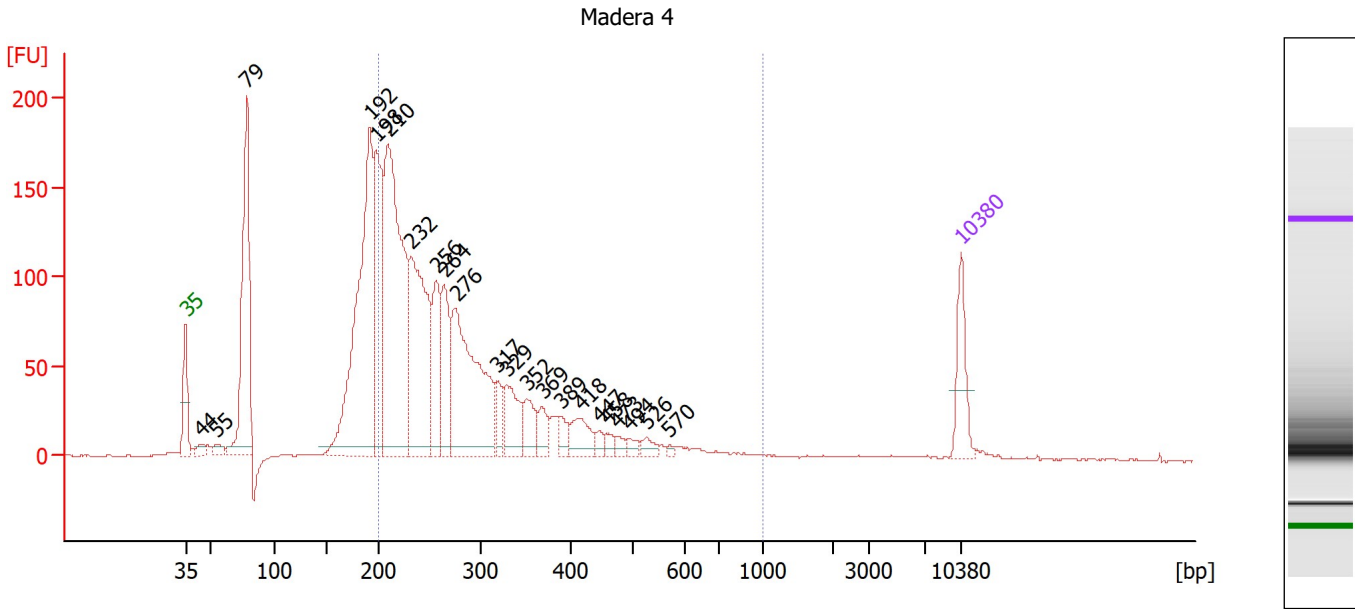
Madera 3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,640.6	73	295	31.4	2,090.33	11,753.3	■

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Madera 4

Number of peaks found: 22 Corr. Area 1: 2,059.6
 Noise: 0.4

Peak table for sample 2 : Madera 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	23.71	823.1	
3	55	24.93	688.1	
4	79	528.43	10,148.3	
5	192	768.47	6,062.0	
6	198	336.43	2,572.0	
7	210	787.93	5,696.3	
8	232	456.99	2,985.5	
9	256	161.84	956.6	
10	264	170.17	976.1	
11	276	473.44	2,603.0	
12	317	50.51	241.1	
13	329	106.32	489.2	
14	352	64.58	277.9	
15	369	45.23	185.8	
16	389	27.66	107.9	
17	418	63.14	229.1	
18	447	18.46	62.5	
19	458	16.44	54.4	
20	473	15.55	49.8	
21	494	14.65	44.9	
22	526	20.17	58.1	
23	570	5.33	14.2	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...

... Region table for sample 2 :

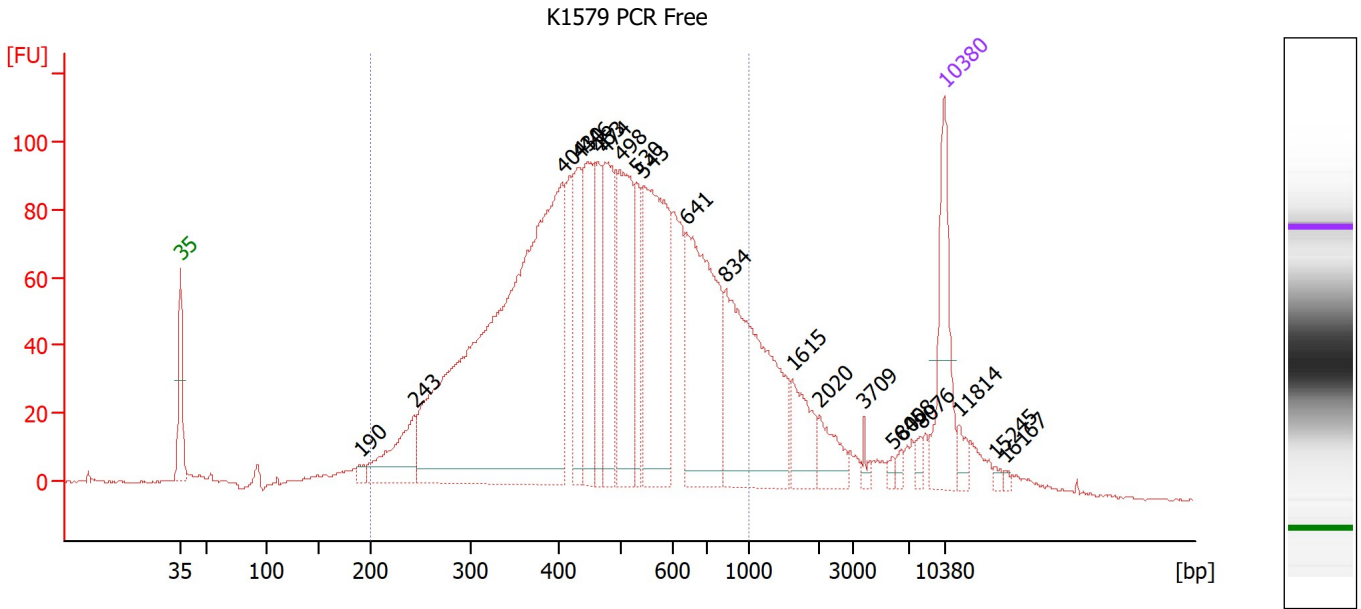
Madera 4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,059.6	66	291	34.9	2,778.88	15,983.1	■

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : K1579 PCR Free

Number of peaks found: 21 Corr. Area 1: 2,694.8
 Noise: 0.3

Peak table for sample 3 : K1579 PCR Free

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	190	8.19	65.4	
3	243	85.56	533.8	
4	404	794.77	2,977.2	
5	430	96.02	338.2	
6	446	117.07	398.1	
7	463	65.31	213.9	
8	474	128.84	411.9	
9	498	146.35	445.4	
10	530	56.93	162.8	
11	543	230.43	642.5	
12	641	218.14	515.7	
13	834	228.98	416.0	
14	1,615	45.91	43.1	
15	2,020	27.89	20.9	
16	3,709	5.91	2.4	
17	5,800	4.54	1.2	
18	6,458	4.89	1.1	
19	8,076	5.70	1.1	
20	10,380	75.00	10.9	Upper Marker
21	11,814	0.00	0.0	
22	15,245	0.00	0.0	
23	16,167	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...

... Region table for sample 3 :

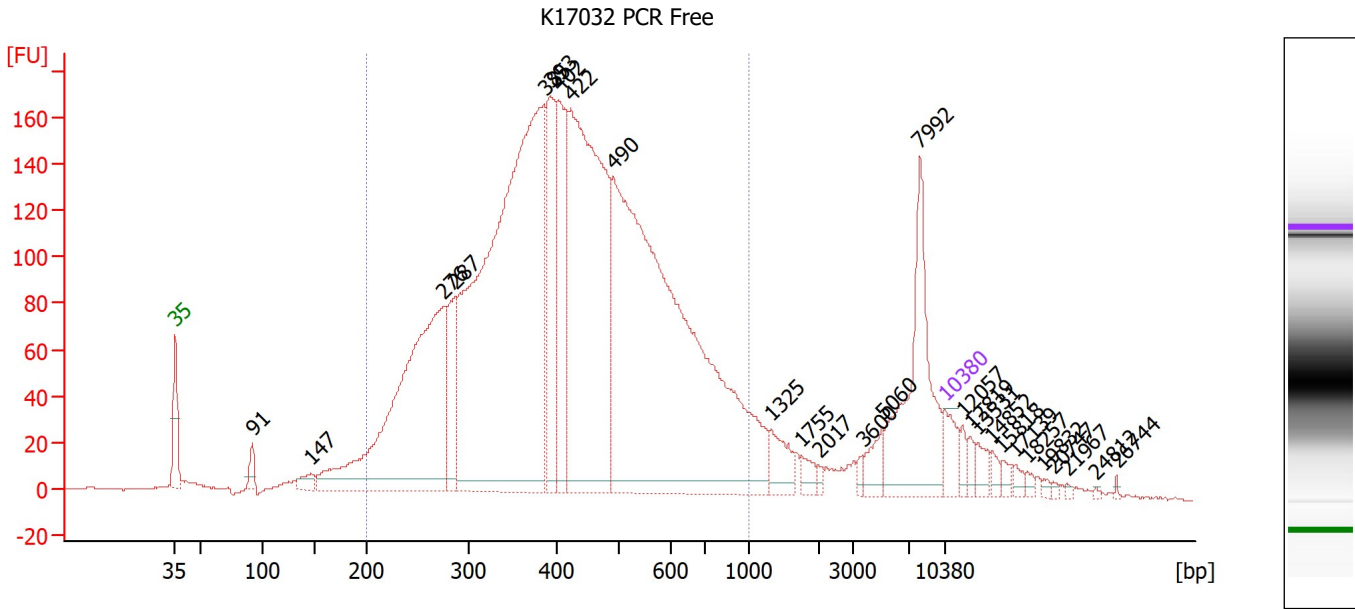
K1579 PCR Free

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,694.8	84	492	34.1	2,381.68	8,618.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : K17032 PCR Free

Number of peaks found: 27 Corr. Area 1: 4,523.0
 Noise: 0.3

Peak table for sample 4 : K17032 PCR Free

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	91	62.59	1,037.4	
3	147	55.36	571.4	
4	276	1,646.02	9,047.0	
5	287	288.83	1,523.8	
6	385	2,952.91	11,609.5	
7	393	514.35	1,984.9	
8	402	449.87	1,694.1	
9	422	1,687.59	6,060.4	
10	490	2,983.36	9,226.1	
11	1,325	96.09	109.9	
12	1,755	37.37	32.3	
13	2,017	13.07	9.8	
14	3,600	16.37	6.9	
15	5,060	65.67	19.7	
16	7,992	457.49	86.7	
17	10,380	75.00	10.9	Upper Marker
18	12,057	0.00	0.0	
19	12,819	0.00	0.0	
20	13,531	0.00	0.0	
21	14,852	0.00	0.0	
22	15,818	0.00	0.0	
23	17,139	0.00	0.0	
24	18,257	0.00	0.0	
25	19,832	0.00	0.0	
26	20,747	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : K17032 PCR Free

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	21,967	0.00	0.0	
28	24,812	0.00	0.0	
29	26,744	0.00	0.0	

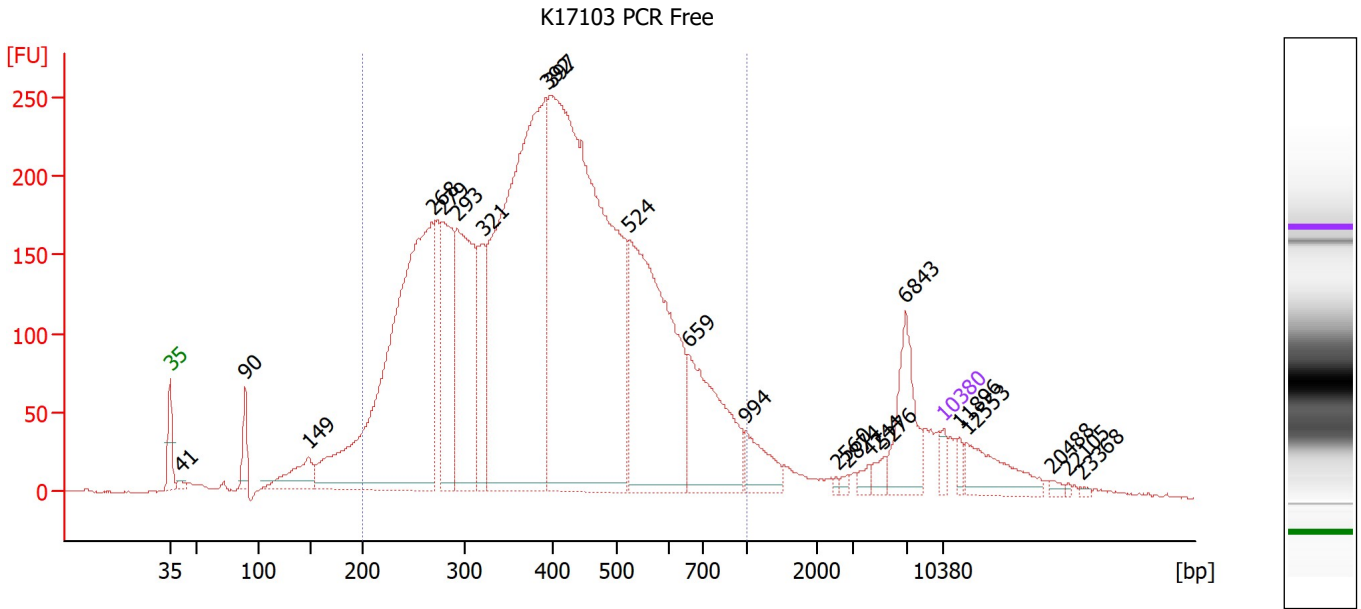
Region table for sample 4 : K17032 PCR Free

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	4,523.0	84	439	33.7	10,432.40	41,698.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : K17103 PCR Free

Number of peaks found: 22 Corr. Area 1: 7,105.4
 Noise: 0.5

Peak table for sample 5 : K17103 PCR Free

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	56.50	2,078.4	
3	90	279.13	4,710.8	
4	149	417.02	4,251.0	
5	268	5,050.08	28,554.8	
6	279	1,197.35	6,504.6	
7	293	1,766.90	9,137.8	
8	321	721.51	3,402.4	
9	392	5,089.97	19,669.5	
10	397	6,619.91	25,272.4	
11	524	2,710.30	7,832.4	
12	659	1,136.44	2,613.6	
13	994	289.82	441.8	
14	2,560	16.22	9.6	
15	2,874	25.58	13.5	
16	4,244	46.26	16.5	
17	5,276	70.13	20.1	
18	6,843	492.29	109.0	
19	10,380	75.00	10.9	Upper Marker
20	11,896	0.00	0.0	
21	12,553	0.00	0.0	
22	20,488	0.00	0.0	
23	22,105	0.00	0.0	
24	23,368	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...

... Region table for sample 5 :

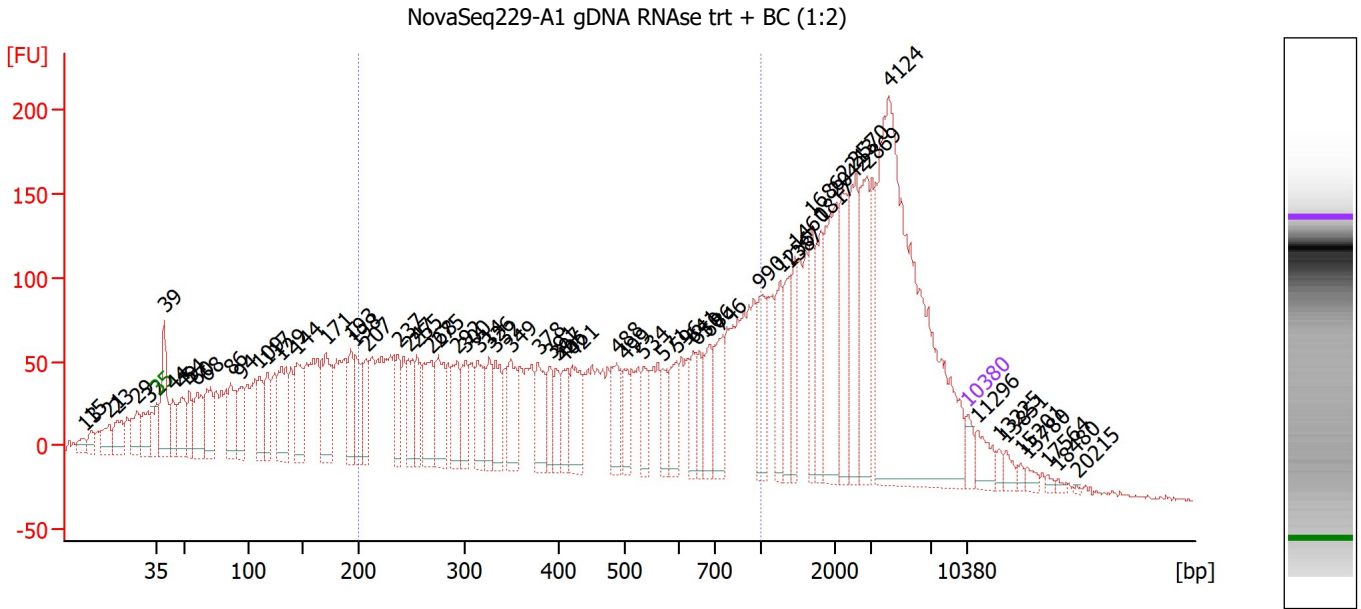
K17103 PCR Free

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	7,105.4	86	416	34.8	24,910.43	105,858.9	■

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : NovaSeq229-A1 gDNA RNAse trt + BC (1:2)

Number of peaks found: 66 Corr. Area 1: 3,089.5
 Noise: 1.8

Peak table for sample 6 : NovaSeq229-A1 gDNA RNAse trt + BC (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	13	0.00	0.0	
2	15	0.00	0.0	
3	21	0.00	0.0	
4	23	0.00	0.0	
5	29	0.00	0.0	
6	32	0.00	0.0	
7	35	125.00	5,411.3	Lower Marker
8	39	626.45	24,254.4	
9	44	256.04	8,845.4	
10	49	369.41	11,382.4	
11	54	260.71	7,290.5	
12	60	389.66	9,785.6	
13	68	409.45	9,161.5	
14	86	374.82	6,622.0	
15	94	305.21	4,921.6	
16	109	351.50	4,868.5	
17	117	307.02	3,986.1	
18	129	618.57	7,244.6	
19	144	477.19	5,004.5	
20	171	608.62	5,399.6	
21	193	311.78	2,445.2	
22	198	338.99	2,599.5	
23	207	284.76	2,084.6	
24	237	271.82	1,735.6	
25	247	260.38	1,595.7	
26	255	276.32	1,643.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : NovaSeq229-A1 gDNA RNase trt + BC (1:2)

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
27	268	392.27	2,216.7	
28	275	392.23	2,164.4	
29	292	312.82	1,623.3	
30	300	259.78	1,312.3	
31	314	333.30	1,610.1	
32	326	232.28	1,080.7	
33	332	269.58	1,230.4	
34	349	323.51	1,406.3	
35	378	295.08	1,183.6	
36	391	189.46	734.3	
37	397	172.60	658.4	
38	406	212.67	794.2	
39	421	355.33	1,278.6	
40	488	274.62	852.6	
41	499	163.26	495.4	
42	534	159.84	453.9	
43	571	150.38	399.0	
44	596	209.49	532.9	
45	641	166.21	392.8	
46	650	168.27	392.2	
47	686	229.09	506.1	
48	746	280.09	568.6	
49	990	289.76	443.4	
50	1,256	256.64	309.6	
51	1,387	229.08	250.2	
52	1,460	225.74	234.3	
53	1,686	239.77	215.5	
54	1,817	293.62	244.8	
55	2,042	561.54	416.7	
56	2,213	353.28	241.9	
57	2,570	446.52	263.3	
58	2,869	405.24	214.0	
59	4,124	2,466.60	906.2	
60	10,380	75.00	10.9	Upper Marker
61	11,296	0.00	0.0	
62	13,225	0.00	0.0	
63	13,851	0.00	0.0	
64	15,201	0.00	0.0	
65	15,780	0.00	0.0	
66	17,564	0.00	0.0	
67	18,480	0.00	0.0	
68	20,215	0.00	0.0	

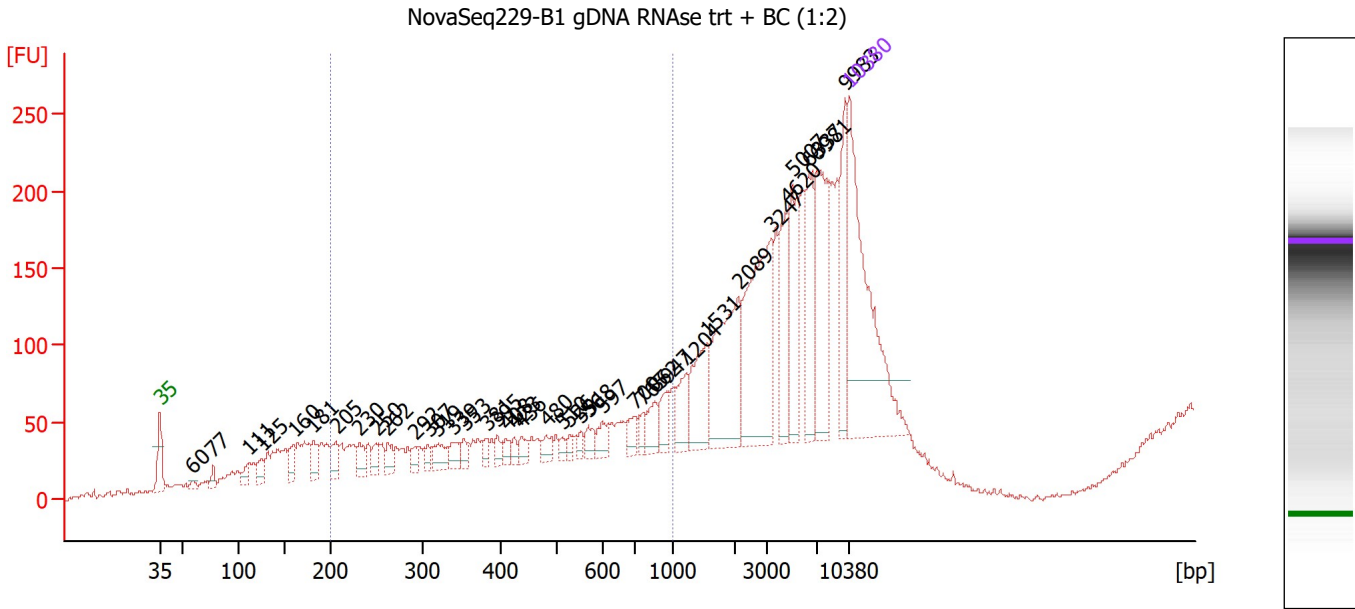
Region table for sample 6 : NovaSeq229-A1 gDNA RNase trt + BC (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
200	1,000	3,089.5	41	481	44.5	11,038.49	46,018.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : NovaSeq229-B1 gDNA RNase trt + BC (1:2)

Number of peaks found: 39 Corr. Area 1: 758.8
 Noise: 2.2

Peak table for sample 7 : NovaSeq229-B1 gDNA RNase trt + BC (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	60	2.97	75.5	
3	77	4.19	82.1	
4	111	5.92	80.8	
5	125	7.92	95.7	
6	160	9.46	89.7	
7	181	8.61	72.1	
8	205	8.70	64.2	
9	230	8.18	53.8	
10	250	6.38	38.7	
11	262	6.39	37.0	
12	292	4.64	24.1	
13	307	4.17	20.6	
14	319	9.17	43.6	
15	339	6.83	30.5	
16	353	5.56	23.9	
17	381	4.12	16.4	
18	395	4.19	16.1	
19	408	4.36	16.2	
20	423	3.19	11.4	
21	436	4.87	16.9	
22	480	5.48	17.3	
23	510	2.80	8.3	
24	526	2.88	8.3	
25	551	3.05	8.4	
26	568	5.39	14.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...

... Peak table for sample 7 : NovaSeq229-B1 gDNA RNase trt + BC (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	597	6.43	16.3	
28	700	5.99	13.0	
29	765	4.29	8.5	
30	862	8.49	14.9	
31	947	8.94	14.3	
32	1,204	11.97	15.1	
33	1,531	22.53	22.3	
34	2,089	47.41	34.4	
35	3,247	60.25	28.1	
36	4,620	23.22	7.6	
37	5,007	28.38	8.6	
38	6,337	25.60	6.1	
39	6,981	42.58	9.2	
40	9,983	26.94	4.1	
41	▶ 10,380	75.00	10.9	Upper Marker

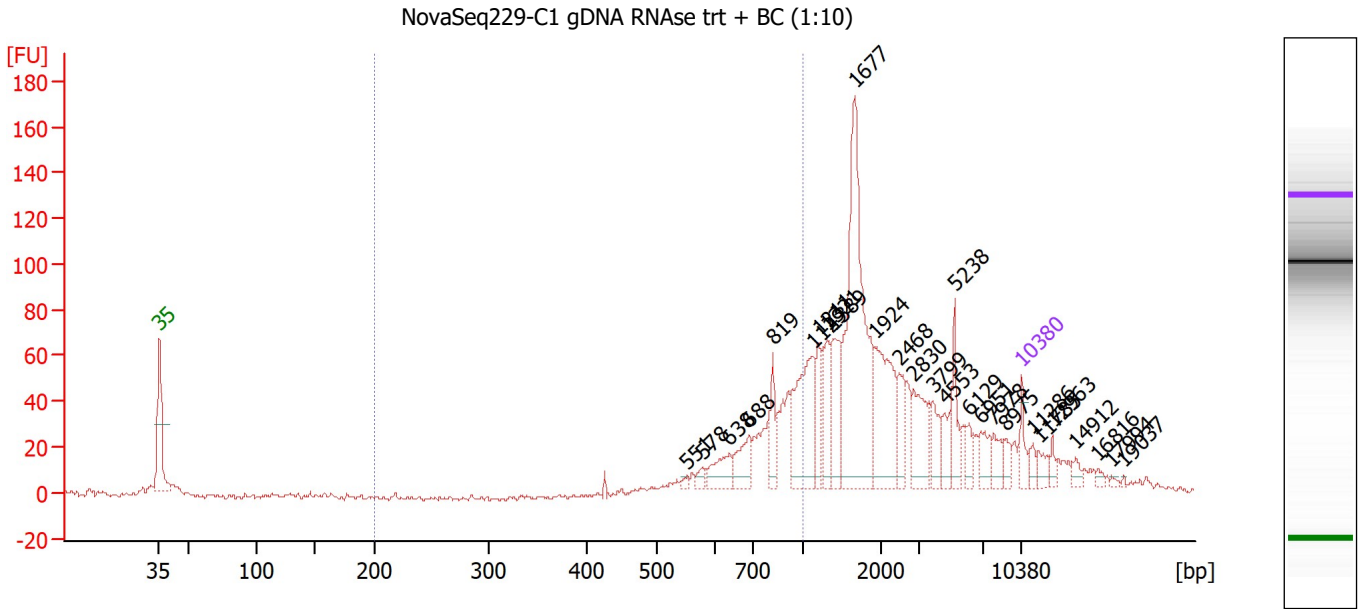
Region table for sample 7 : NovaSeq229-B1 gDNA RNase trt + BC (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	758.8	25	491	46.7	188.52	794.1	■

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : NovaSeq229-C1 gDNA RNAse trt + BC (1:10)

Number of peaks found: 27 Corr. Area 1: 283.5
 Noise: 1.2

Peak table for sample 8 : NovaSeq229-C1 gDNA RNAse trt + BC (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	551	19.08	52.5	
3	578	40.18	105.3	
4	638	157.37	373.7	
5	688	177.40	390.4	
6	819	141.00	261.0	
7	1,129	497.97	668.4	
8	1,211	166.55	208.4	
9	1,321	196.99	226.0	
10	1,389	278.90	304.2	
11	1,677	1,134.62	1,025.1	
12	1,924	459.59	362.0	
13	2,468	131.90	81.0	
14	2,830	246.88	132.2	
15	3,799	125.81	50.2	
16	4,553	101.91	33.9	
17	5,238	144.69	41.9	
18	6,129	59.10	14.6	
19	6,951	93.18	20.3	
20	7,978	79.30	15.1	
21	8,975	52.58	8.9	
22	10,380	75.00	10.9	Upper Marker
23	11,286	0.00	0.0	
24	11,785	0.00	0.0	
25	12,963	0.00	0.0	
26	14,912	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : NovaSeq229-C1 gDNA RNase trt + BC (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	16,816	0.00	0.0	
28	17,994	0.00	0.0	
29	19,037	0.00	0.0	

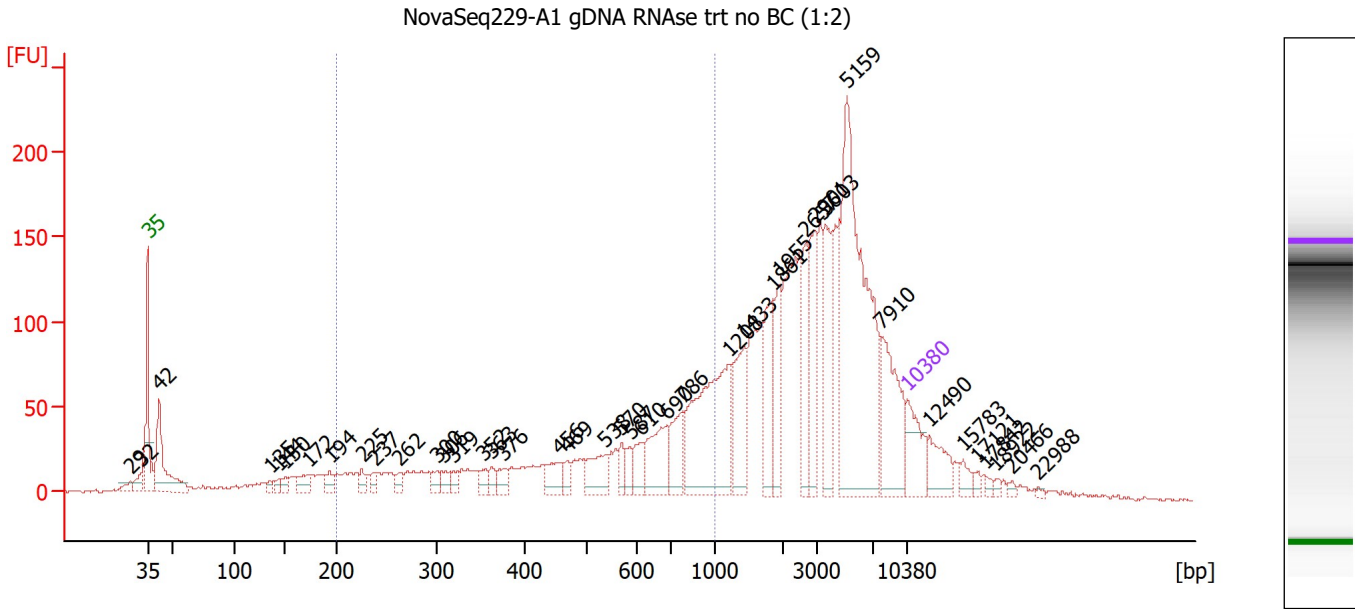
Region table for sample 8 : NovaSeq229-C1 gDNA RNase trt + BC (1:10)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	283.5	21	772	18.6	1,373.92	2,821.9	■

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NovaSeq229-A1 gDNA RNase trt no BC (1:2)

Number of peaks found: 41 Corr. Area 1: 1,001.2
 Noise: 0.9

Peak table for sample 9 : NovaSeq229-A1 gDNA RNase trt no BC (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	29	0.00	0.0	
2	32	0.00	0.0	
3	35	125.00	5,411.3	Lower Marker
4	42	224.72	8,181.0	
5	135	15.05	169.0	
6	144	16.56	174.5	
7	150	19.04	192.3	
8	172	39.04	344.2	
9	194	29.94	234.2	
10	225	21.14	142.1	
11	237	20.19	129.0	
12	262	21.70	125.5	
13	300	24.28	122.5	
14	306	22.65	112.2	
15	319	17.92	85.1	
16	352	23.60	101.5	
17	363	22.49	94.0	
18	376	29.67	119.6	
19	456	51.80	172.2	
20	469	22.36	72.2	
21	538	75.67	213.0	
22	570	26.79	71.2	
23	587	25.53	65.9	
24	610	44.20	109.8	
25	690	118.17	259.6	
26	786	84.76	163.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...

... Peak table for sample 9 : NovaSeq229-A1 gDNA RNase trt no BC (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,208	316.28	396.8	
28	1,433	122.10	129.1	
29	1,861	111.52	90.8	
30	1,955	83.03	64.4	
31	2,657	91.75	52.3	
32	2,901	124.30	64.9	
33	3,603	127.00	53.4	
34	5,159	555.79	163.2	
35	7,910	158.36	30.3	
36	10,380	75.00	10.9	Upper Marker
37	12,490	0.00	0.0	
38	15,783	0.00	0.0	
39	17,121	0.00	0.0	
40	17,842	0.00	0.0	
41	18,922	0.00	0.0	
42	20,466	0.00	0.0	
43	22,988	0.00	0.0	

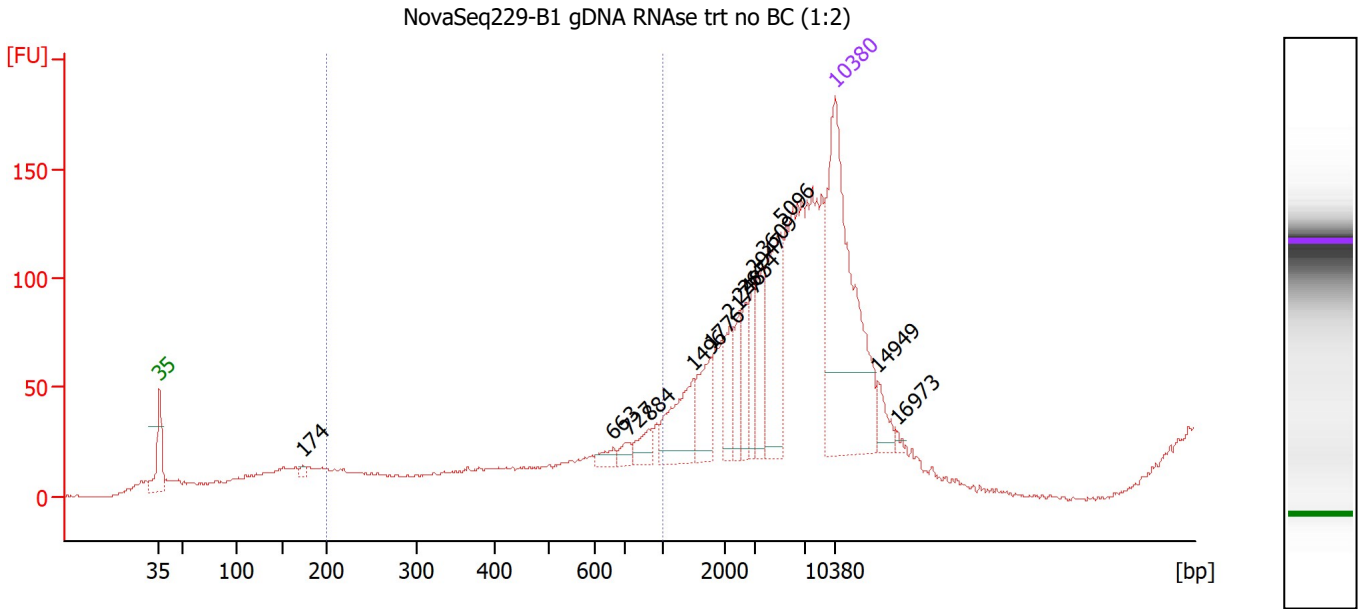
Region table for sample 9 : NovaSeq229-A1 gDNA RNase trt no BC (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,001.2	28	567	39.8	1,317.06	4,679.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

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 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : NovaSeq229-B1 gDNA RNase trt no BC (1:2)

Number of peaks found: 14 Corr. Area 1: 147.3
 Noise: 0.7

Peak table for sample 10 : NovaSeq229-B1 gDNA RNase trt no BC (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	174	1.78	15.5	
3	663	3.80	8.7	
4	727	3.64	7.6	
5	884	5.83	10.0	
6	1,496	19.63	19.9	
7	1,776	13.47	11.5	
8	2,177	10.42	7.2	
9	2,485	9.59	5.8	
10	2,674	8.53	4.8	
11	2,947	9.25	4.8	
12	3,609	14.04	5.9	
13	5,096	30.76	9.1	
14	10,380	75.00	10.9	Upper Marker
15	14,949	0.00	0.0	
16	16,973	0.00	0.0	

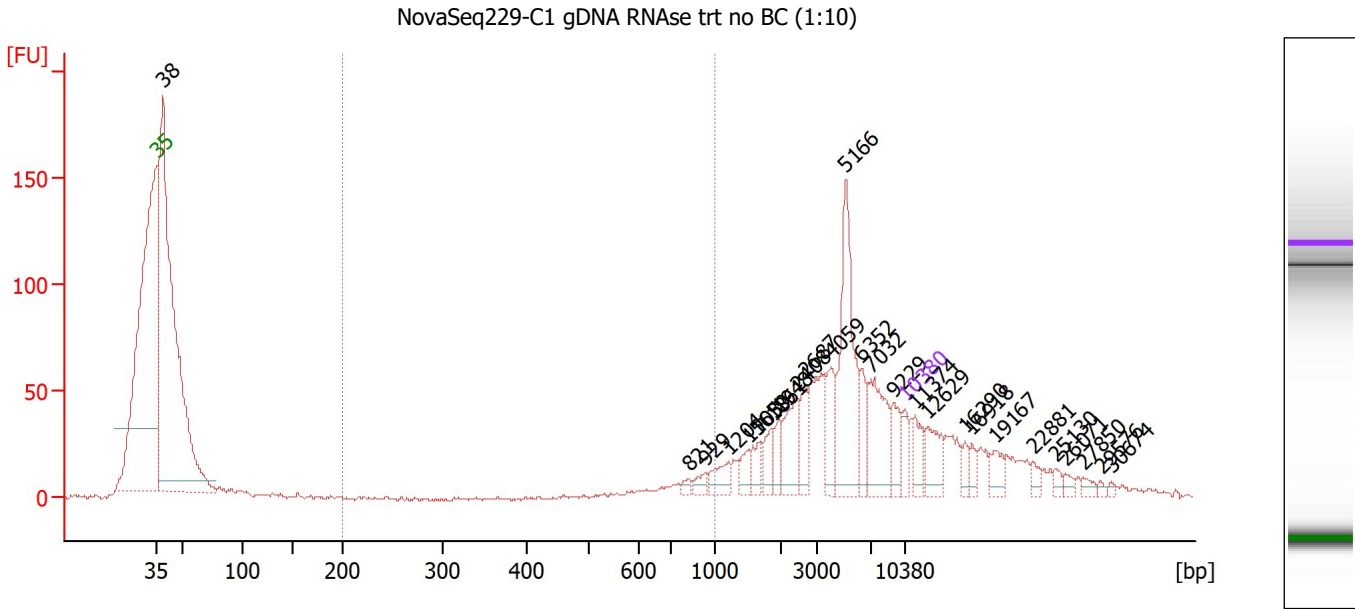
Region table for sample 10 : NovaSeq229-B1 gDNA RNase trt no BC (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	147.3	10	621	41.4	35.31	130.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

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 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : NovaSeq229-C1 gDNA RNase trt no BC (1:10)

Number of peaks found: 26 Corr. Area 1: 44.2
 Noise: 0.9

Peak table for sample 11 : NovaSeq229-C1 gDNA RNase trt no BC (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	38	4,250.91	168,592.1	
3	821	23.26	43.0	
4	929	43.51	71.0	
5	1,204	87.92	110.6	
6	1,505	59.31	59.7	
7	1,639	61.76	57.1	
8	1,861	81.56	66.4	
9	1,948	66.24	51.5	
10	2,408	189.35	119.1	
11	2,687	106.47	60.0	
12	4,059	172.36	64.3	
13	5,166	542.93	159.2	
14	6,352	105.48	25.2	
15	7,032	284.84	61.4	
16	9,229	98.36	16.1	
17	10,380	75.00	10.9	Upper Marker
18	11,374	0.00	0.0	
19	12,629	0.00	0.0	
20	16,290	0.00	0.0	
21	16,918	0.00	0.0	
22	19,167	0.00	0.0	
23	22,881	0.00	0.0	
24	25,130	0.00	0.0	
25	26,071	0.00	0.0	
26	27,850	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Electropherogram Summary Continued ...

... Peak table for sample 11 : NovaSeq229-C1 gDNA RNase trt no BC (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	29,576	0.00	0.0	
28	30,674	0.00	0.0	

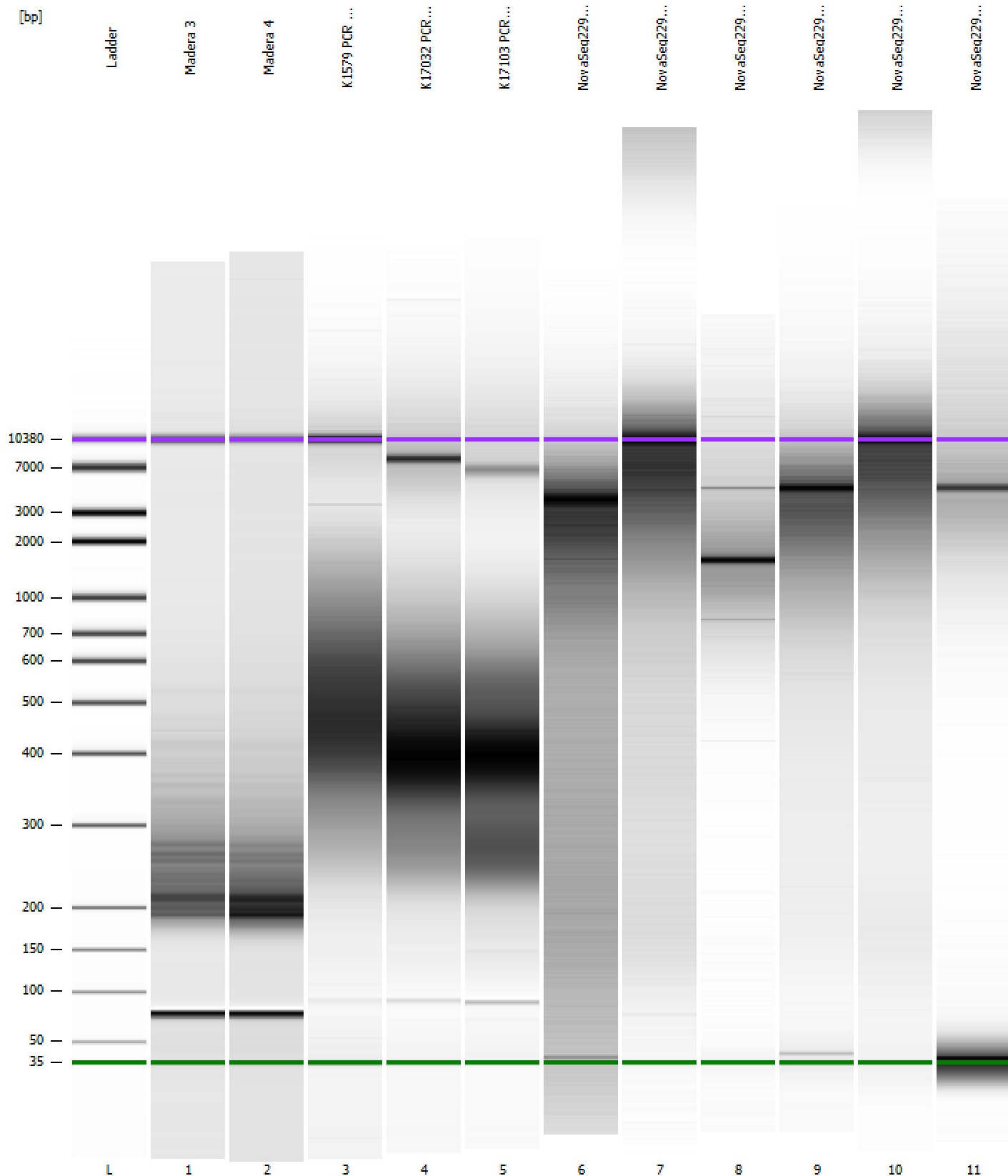
Region table for sample 11 : NovaSeq229-C1 gDNA RNase trt no BC (1:10)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	44.2	2	814	15.5	147.82	282.5	■

Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
Modified: 7/10/2020 4:15:00 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-07-10_001.xad

Created: 7/10/2020 3:32:00 PM
 Modified: 7/10/2020 4:15:00 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		7/10/2020 4:13:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-10\Bioanalyze r1_High Sensitivity DNA Assay_2020-07-10_001.xad)		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/10/2020 3:32:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB