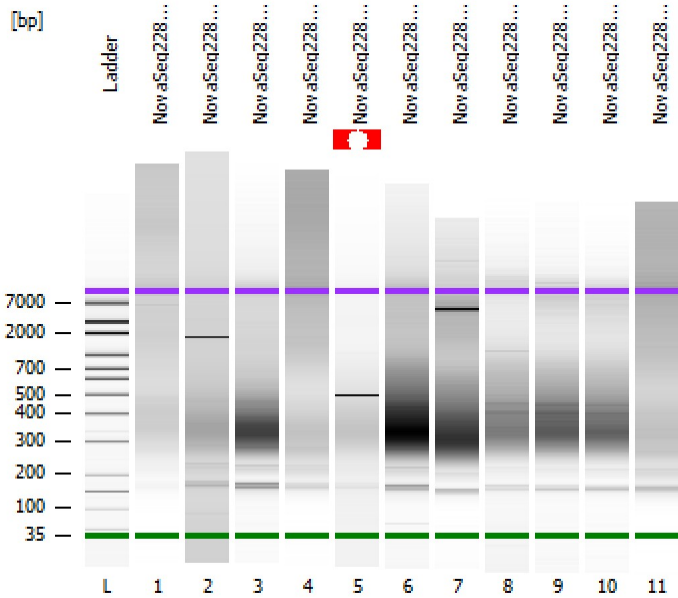


Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
Modified: 8/24/2020 3:15:02 PM

Electrophoresis File Run Summary



Instrument Information:

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

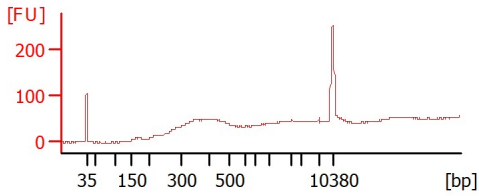
Assay Information:

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

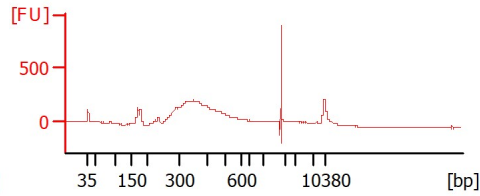
Chip Information:

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

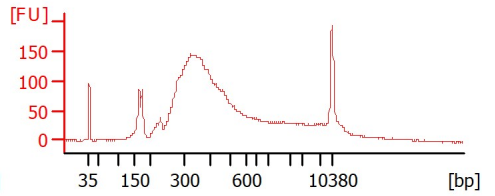
NovaSeq228 Lib 9



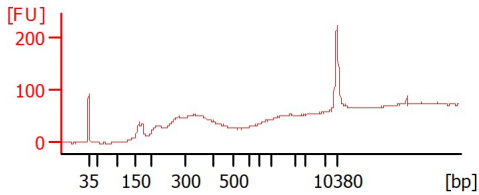
NovaSeq228 Lib 10



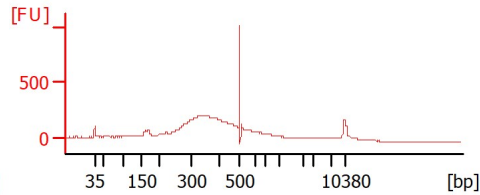
NovaSeq228 Lib 11



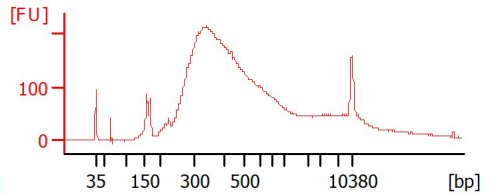
NovaSeq228 Lib 12



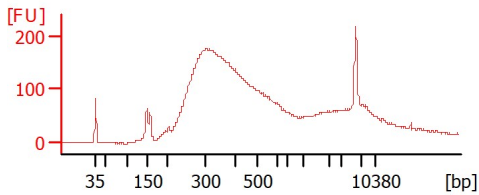
NovaSeq228 Lib 13



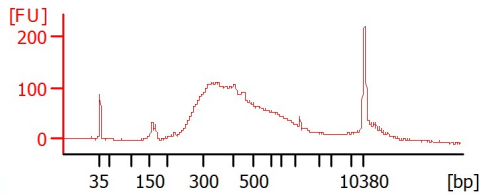
NovaSeq228 Lib 14



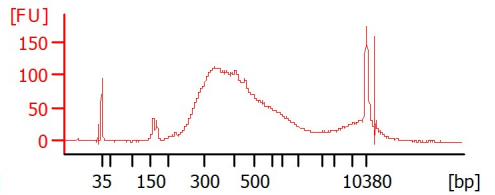
NovaSeq228 Lib 15



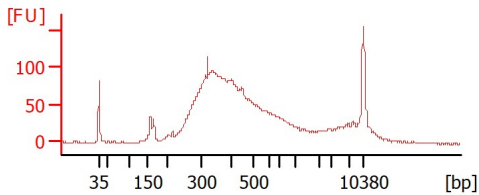
NovaSeq228 Lib 16



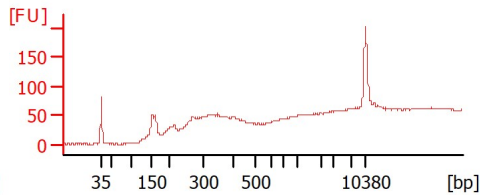
NovaSeq228 Lib 17



NovaSeq228 Lib 18



NovaSeq228 Lib 19



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
NovaSeq228 Lib 9		<input type="checkbox"/>	✓			
NovaSeq228 Lib 10		<input type="checkbox"/>	✓			
NovaSeq228 Lib 11		<input type="checkbox"/>	✓			
NovaSeq228 Lib 12		<input type="checkbox"/>	✓			
NovaSeq228 Lib 13		<input type="checkbox"/>	✓			
NovaSeq228 Lib 14		<input type="checkbox"/>	✓			
NovaSeq228 Lib 15		<input type="checkbox"/>	✓			
NovaSeq228 Lib 16		<input type="checkbox"/>	✓			
NovaSeq228 Lib 17		<input type="checkbox"/>	✓			
NovaSeq228 Lib 18		<input type="checkbox"/>	✓			
NovaSeq228 Lib 19		<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_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 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

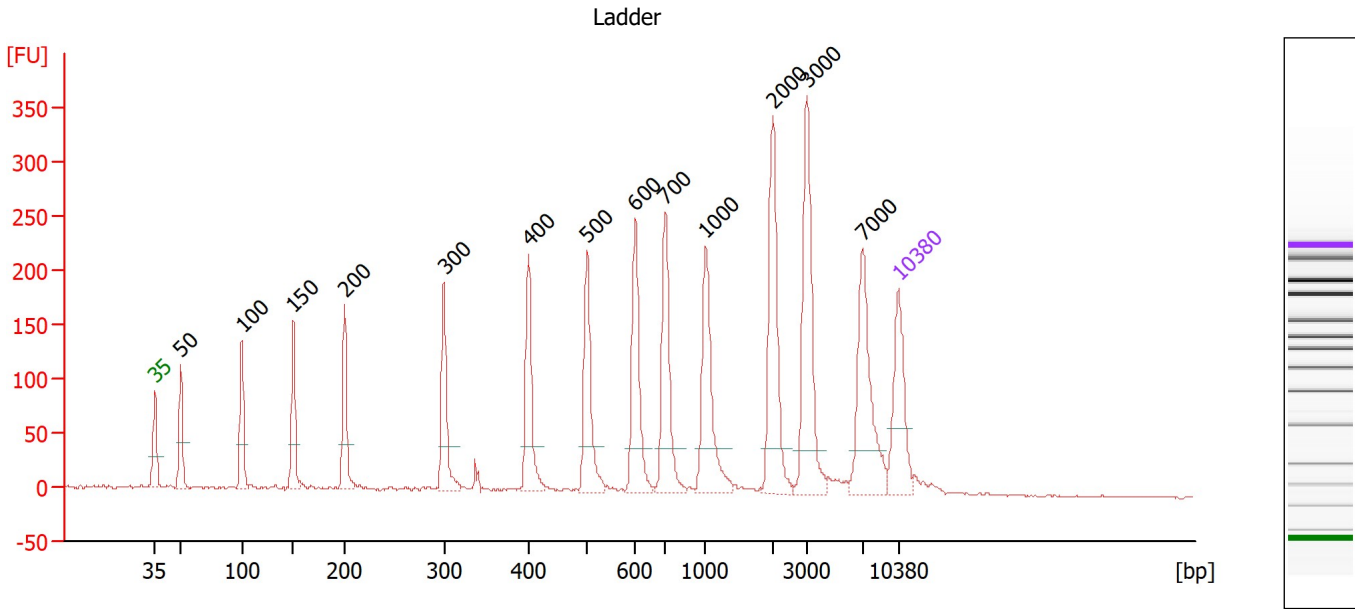
Ladder

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_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 1.0

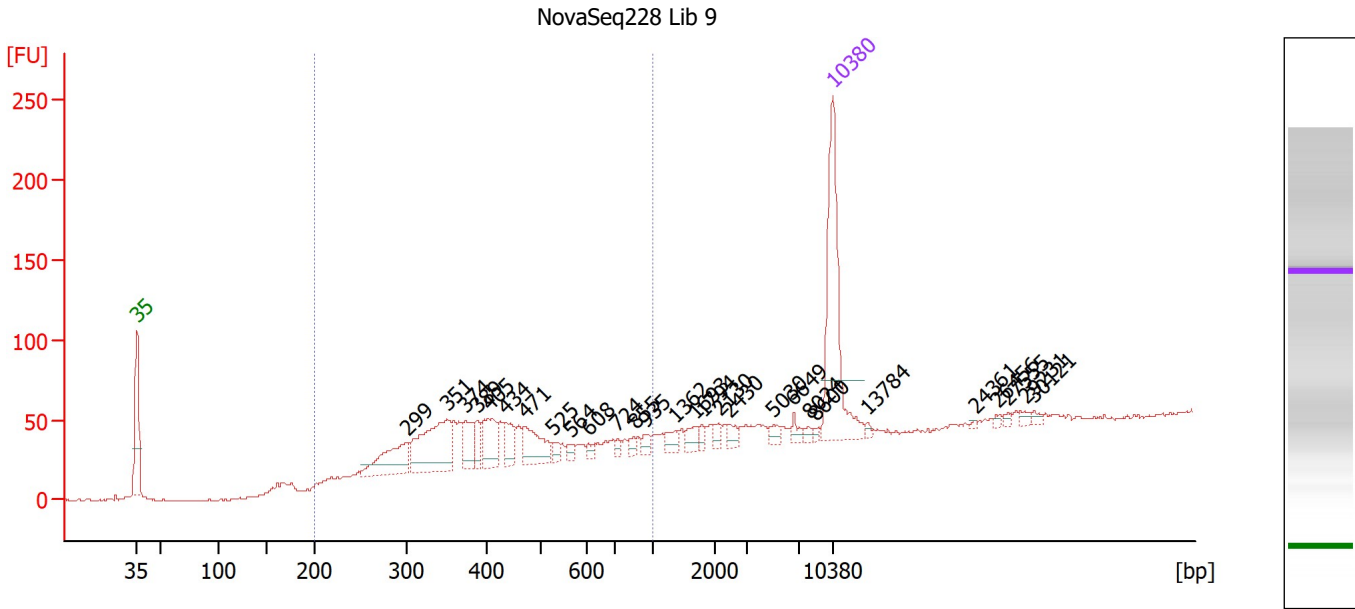
Peak table for Ladder

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_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : NovaSeq228 Lib 9

Number of peaks found: 28 Corr. Area 1: 696.5
 Noise: 0.7

Peak table for sample 1 : NovaSeq228 Lib 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	299	44.09	223.6	
3	351	70.59	304.9	
4	374	19.46	78.9	
5	389	12.53	48.8	
6	405	26.40	98.8	
7	434	15.82	55.2	
8	471	27.50	88.4	
9	525	4.83	14.0	
10	564	4.09	11.0	
11	608	3.51	8.7	
12	724	3.35	7.0	
13	855	3.99	7.1	
14	935	4.65	7.5	
15	1,362	5.99	6.7	
16	1,693	6.54	5.9	
17	1,794	3.54	3.0	
18	2,130	4.23	3.0	
19	2,430	5.21	3.3	
20	5,030	4.07	1.2	
21	6,649	4.11	0.9	
22	8,024	2.42	0.5	
23	8,600	1.79	0.3	
24	10,380	75.00	10.9	Upper Marker
25	13,784	0.00	0.0	
26	24,361	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : NovaSeq228 Lib 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	26,456	0.00	0.0	
28	27,555	0.00	0.0	
29	29,231	0.00	0.0	
30	30,121	0.00	0.0	

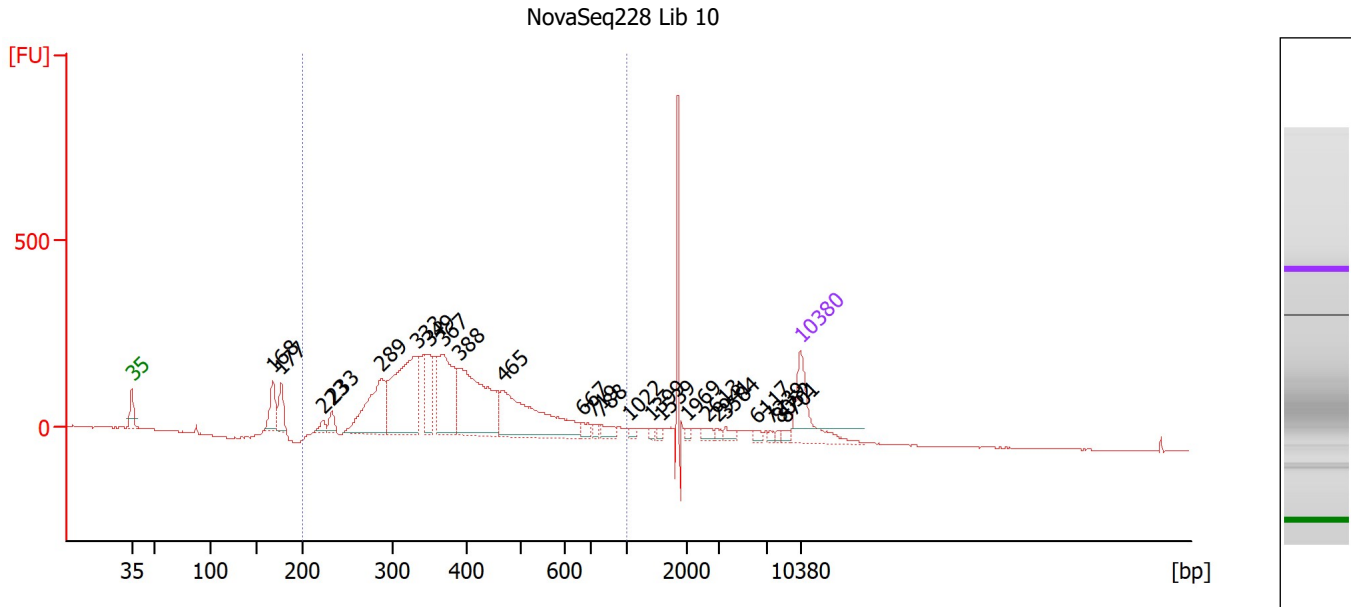
Region table for sample 1 : NovaSeq228 Lib 9

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	696.5	72	439	35.3	309.91	1,217.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : NovaSeq228 Lib 10

Number of peaks found: 24 Corr. Area 1: 4,280.7
 Noise: 1.1

Peak table for sample 2 : NovaSeq228 Lib 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	168	64.97	585.7	
3	177	48.60	415.6	
4	223	13.21	89.9	
5	233	19.27	125.5	
6	289	158.31	831.4	
7	333	261.06	1,189.1	
8	349	72.37	314.4	
9	367	160.05	660.9	
10	388	236.26	922.8	
11	465	213.84	696.7	
12	667	12.86	29.2	
13	719	8.28	17.5	
14	788	16.24	31.2	
15	1,022	6.97	10.3	
16	1,399	5.36	5.8	
17	1,539	4.92	4.8	
18	1,969	4.92	3.8	
19	2,613	8.53	4.9	
20	2,941	5.17	2.7	
21	3,584	9.36	4.0	
22	6,117	5.63	1.4	
23	7,239	4.00	0.8	
24	8,052	4.49	0.8	
25	8,701	5.16	0.9	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...

... Region table for sample 2 :

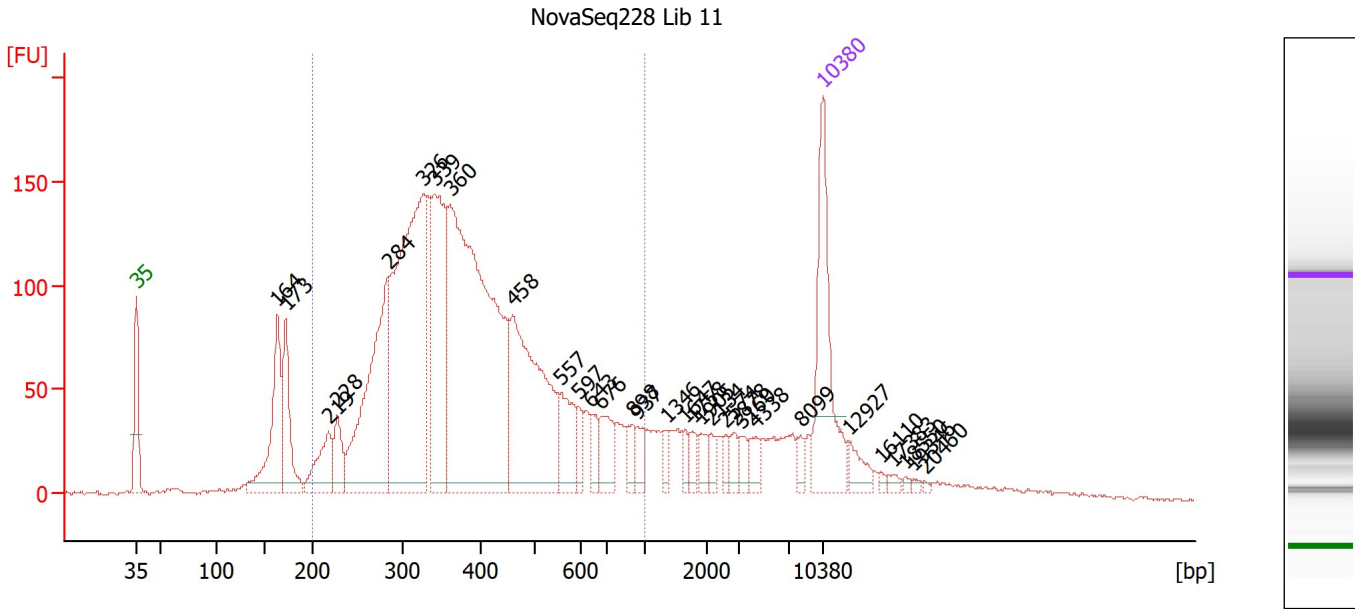
NovaSeq228 Lib 10

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	4,280.7	81	407	31.4	1,253.19	5,165.7	■

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : NovaSeq228 Lib 11

Number of peaks found: 31 Corr. Area 1: 3,306.2
 Noise: 0.8

Peak table for sample 3 : NovaSeq228 Lib 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	164	99.19	917.1	
3	173	68.60	601.5	
4	219	43.46	301.0	
5	228	29.89	198.5	
6	284	179.95	960.0	
7	326	314.43	1,462.5	
8	339	145.36	648.8	
9	360	412.88	1,737.6	
10	458	171.55	567.8	
11	557	37.90	103.0	
12	597	12.78	32.5	
13	643	12.62	29.7	
14	676	25.29	56.7	
15	898	12.60	21.3	
16	937	12.65	20.5	
17	1,346	7.49	8.4	
18	1,647	7.00	6.4	
19	1,758	8.80	7.6	
20	1,905	8.84	7.0	
21	2,134	6.66	4.7	
22	2,574	6.01	3.5	
23	2,878	8.36	4.4	
24	3,160	8.01	3.8	
25	4,338	9.58	3.3	
26	8,099	6.35	1.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : NovaSeq228 Lib 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker
28	12,927	0.00	0.0	
29	16,110	0.00	0.0	
30	17,383	0.00	0.0	
31	18,550	0.00	0.0	
32	19,346	0.00	0.0	
33	20,460	0.00	0.0	

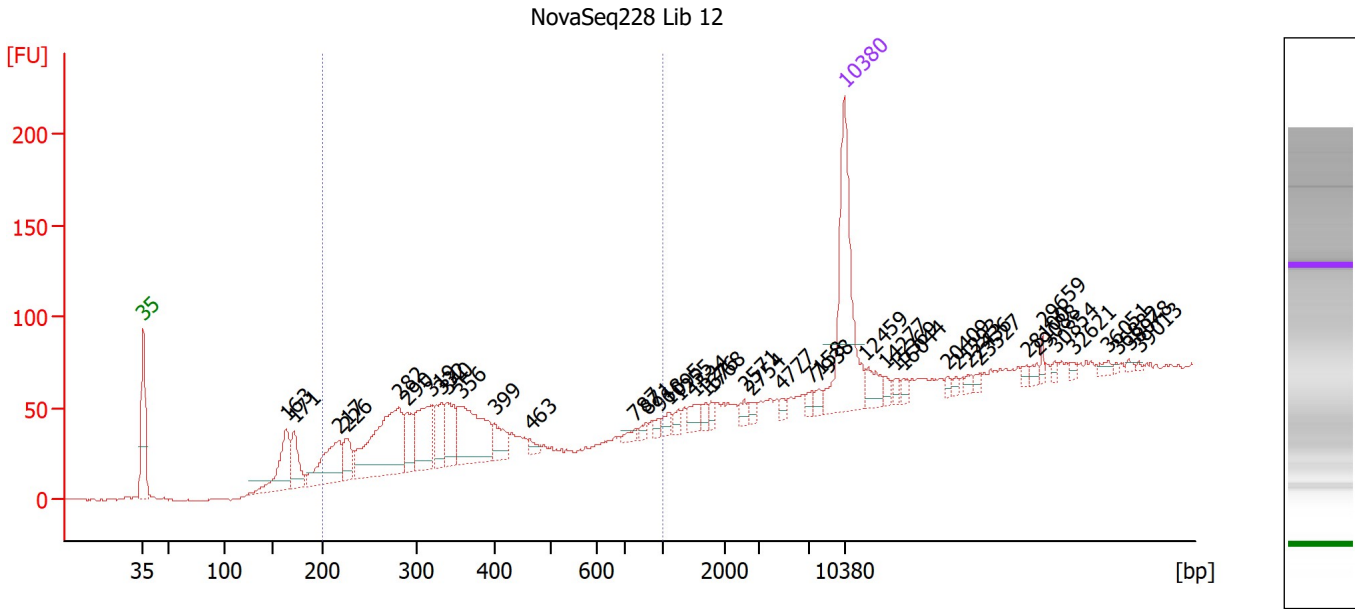
Region table for sample 3 : NovaSeq228 Lib 11

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	3,306.2	77	409	35.7	1,481.07	6,281.5	■

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : NovaSeq228 Lib 12

Number of peaks found: 42 Corr. Area 1: 548.7
 Noise: 0.7

Peak table for sample 4 : NovaSeq228 Lib 12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	163	48.59	451.5	
3	171	30.76	272.2	
4	217	50.62	352.9	
5	226	20.51	137.6	
6	282	106.63	572.2	
7	290	23.15	120.8	
8	319	49.48	235.1	
9	332	26.79	122.4	
10	340	27.91	124.5	
11	356	62.75	267.2	
12	399	17.68	67.2	
13	463	4.88	16.0	
14	787	3.96	7.6	
15	871	3.24	5.6	
16	968	3.21	5.0	
17	1,095	5.11	7.1	
18	1,255	3.92	4.7	
19	1,524	7.52	7.5	
20	1,676	4.09	3.7	
21	1,768	3.82	3.3	
22	2,571	4.17	2.5	
23	2,754	3.69	2.0	
24	4,777	3.31	1.1	
25	7,158	3.04	0.6	
26	7,938	4.45	0.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : NovaSeq228 Lib 12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker
28	12,459	0.00	0.0	
29	14,277	0.00	0.0	
30	15,369	0.00	0.0	
31	16,044	0.00	0.0	
32	20,409	0.00	0.0	
33	21,293	0.00	0.0	
34	22,436	0.00	0.0	
35	23,527	0.00	0.0	
36	28,100	0.00	0.0	
37	29,088	0.00	0.0	
38	29,659	0.00	0.0	
39	30,854	0.00	0.0	
40	32,621	0.00	0.0	
41	36,051	0.00	0.0	
42	36,882	0.00	0.0	
43	38,078	0.00	0.0	
44	39,013	0.00	0.0	

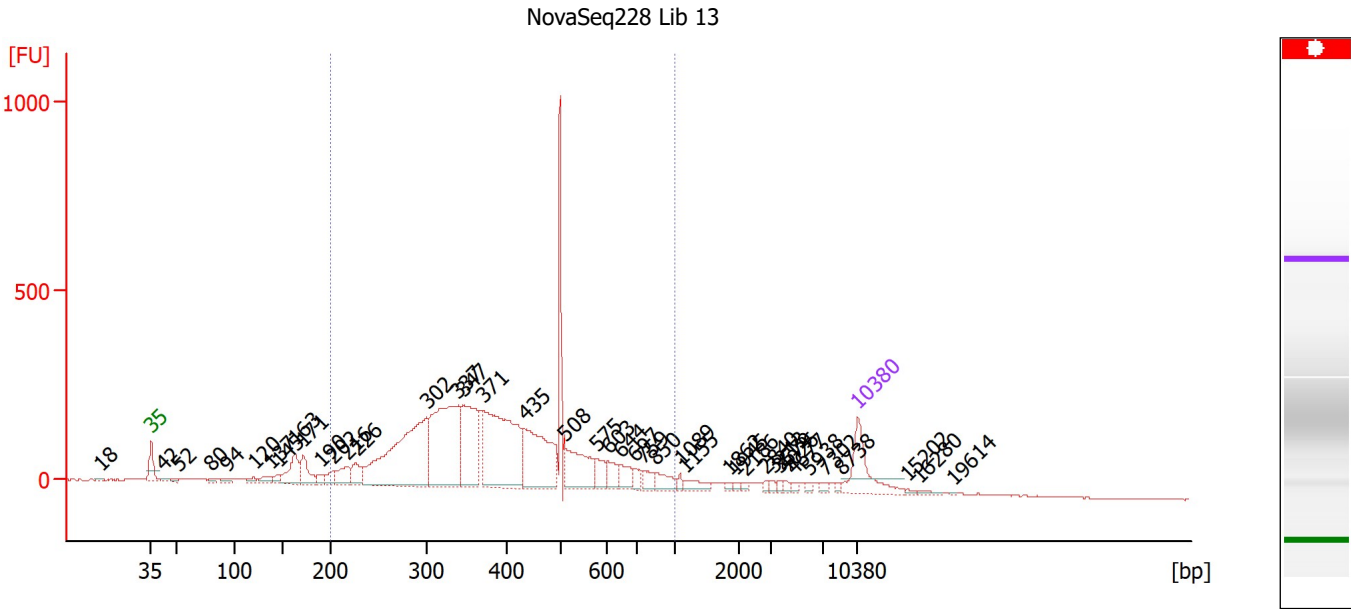
Region table for sample 4 : NovaSeq228 Lib 12

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	548.7	56	332	35.2	291.31	1,453.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : NovaSeq228 Lib 13

Number of peaks found: 42 Corr. Area 1: 5,470.5
 Noise: 1.1

Peak table for sample 5 : NovaSeq228 Lib 13

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	18	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	42	8.33	298.9	
4	52	6.06	175.5	
5	80	8.26	156.2	
6	94	11.57	186.1	
7	120	13.38	168.5	
8	137	22.33	247.4	
9	145	14.48	150.8	
10	163	74.45	692.9	
11	171	56.96	503.5	
12	190	13.43	107.2	
13	202	21.96	164.9	
14	216	47.48	332.5	
15	226	38.13	255.7	
16	302	400.89	2,013.7	
17	337	346.33	1,555.1	
18	347	188.35	823.1	
19	371	348.02	1,422.9	
20	435	201.43	701.8	
21	508	110.34	329.4	
22	575	32.47	85.5	
23	603	30.12	75.7	
24	644	31.28	73.6	
25	697	15.63	34.0	
26	759	20.48	40.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : NovaSeq228 Lib 13

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	850	28.58	51.0	
28	1,089	6.94	9.7	
29	1,155	20.34	26.7	
30	1,862	4.90	4.0	
31	1,945	4.28	3.3	
32	2,186	4.99	3.5	
33	2,840	4.63	2.5	
34	3,213	4.79	2.3	
35	3,579	4.82	2.0	
36	4,026	4.69	1.8	
37	4,677	5.16	1.7	
38	5,938	4.33	1.1	
39	7,302	6.46	1.3	
40	8,738	4.85	0.8	
41	10,380	75.00	10.9	Upper Marker
42	15,202	0.00	0.0	
43	16,280	0.00	0.0	
44	19,614	0.00	0.0	

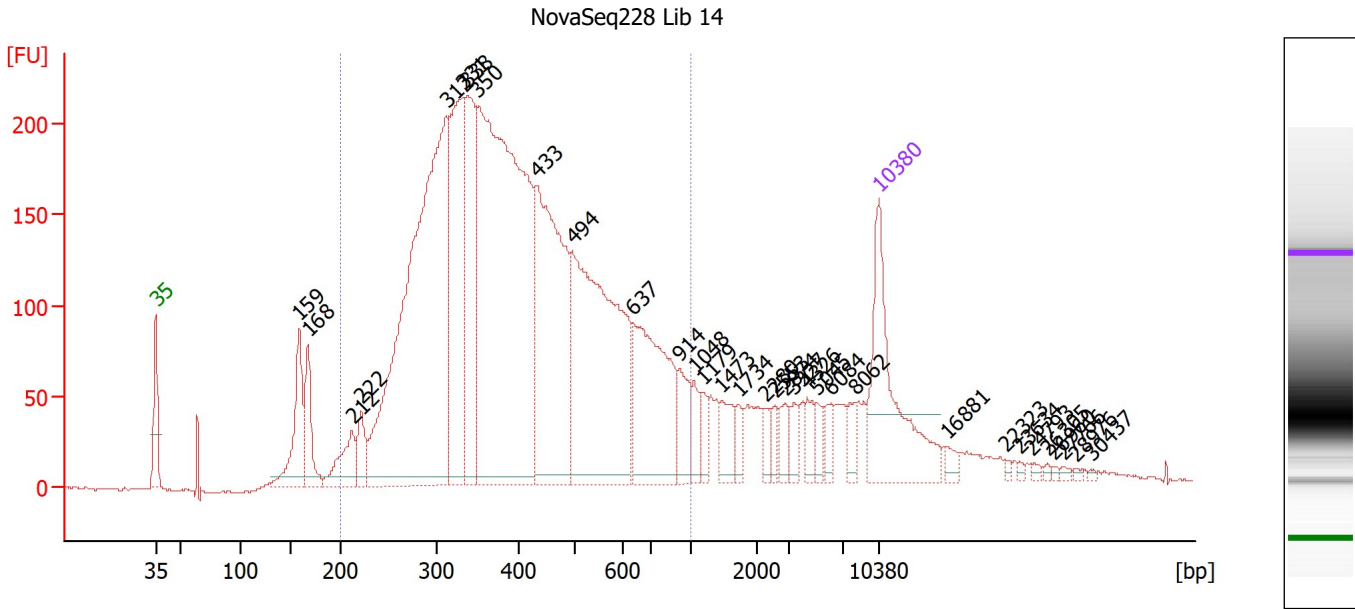
Region table for sample 5 : NovaSeq228 Lib 13

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	5,470.5	82	410	33.5	1,987.79	8,380.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : NovaSeq228 Lib 14

Number of peaks found: 33 Corr. Area 1: 5,447.8
 Noise: 0.7

Peak table for sample 6 : NovaSeq228 Lib 14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	159	62.88	598.7	
3	168	42.49	384.0	
4	212	33.82	241.5	
5	222	22.41	153.3	
6	312	450.56	2,189.3	
7	331	151.37	692.1	
8	338	125.58	563.2	
9	350	481.92	2,088.7	
10	433	200.72	701.9	
11	494	249.55	765.3	
12	637	110.19	262.0	
13	914	24.60	40.8	
14	1,048	13.10	18.9	
15	1,179	9.79	12.6	
16	1,473	17.07	17.6	
17	1,734	8.13	7.1	
18	2,280	7.44	4.9	
19	2,553	6.53	3.9	
20	2,874	10.12	5.3	
21	3,327	8.17	3.7	
22	4,326	9.96	3.5	
23	5,045	6.60	2.0	
24	6,084	8.03	2.0	
25	8,062	8.32	1.6	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : NovaSeq228 Lib 14

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	16,881	0.00	0.0	
28	22,323	0.00	0.0	
29	23,634	0.00	0.0	
30	24,793	0.00	0.0	
31	26,305	0.00	0.0	
32	26,960	0.00	0.0	
33	27,766	0.00	0.0	
34	28,976	0.00	0.0	
35	30,437	0.00	0.0	

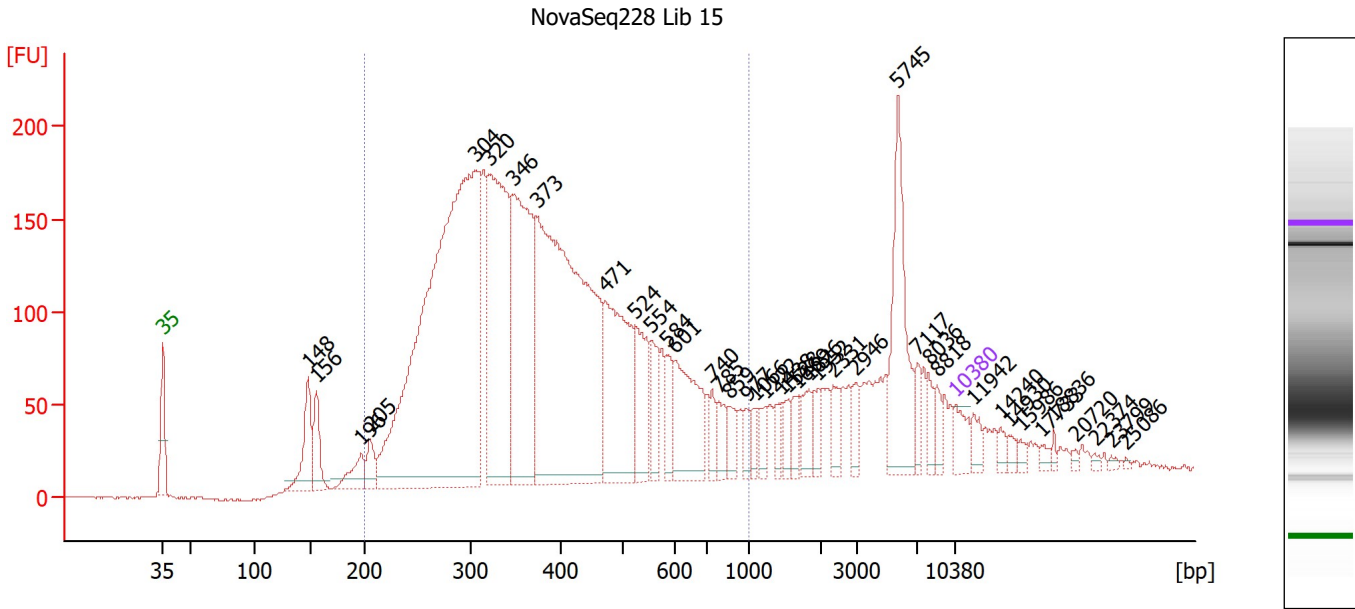
Region table for sample 6 : NovaSeq228 Lib 14

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	5,447.8	82	426	35.7	1,822.45	7,486.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : NovaSeq228 Lib 15

Number of peaks found: 40 Corr. Area 1: 4,586.5
 Noise: 0.6

Peak table for sample 7 : NovaSeq228 Lib 15

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	148	303.27	3,094.4	
3	156	196.31	1,903.7	
4	196	140.02	1,080.3	
5	205	106.17	783.5	
6	304	3,737.60	18,609.5	
7	320	1,290.88	6,105.7	
8	346	1,124.33	4,925.3	
9	373	2,445.59	9,945.1	
10	471	743.42	2,393.3	
11	524	287.53	830.9	
12	554	169.65	463.8	
13	584	122.87	318.7	
14	601	400.34	1,009.3	
15	740	69.19	141.6	
16	785	89.08	172.0	
17	859	80.98	142.9	
18	977	50.48	78.3	
19	1,066	49.69	70.6	
20	1,222	59.78	74.1	
21	1,438	52.32	55.1	
22	1,528	61.13	60.6	
23	1,669	54.24	49.2	
24	1,826	75.94	63.0	
25	1,952	64.08	49.7	
26	2,331	76.06	49.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...

... Peak table for sample 7 : NovaSeq228 Lib 15

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,946	60.94	31.3	
28	5,745	443.07	116.9	
29	7,117	60.42	12.9	
30	8,036	55.15	10.4	
31	8,818	51.47	8.8	
32	10,380	75.00	10.9	Upper Marker
33	11,942	0.00	0.0	
34	14,240	0.00	0.0	
35	14,930	0.00	0.0	
36	15,986	0.00	0.0	
37	17,733	0.00	0.0	
38	18,836	0.00	0.0	
39	20,720	0.00	0.0	
40	22,374	0.00	0.0	
41	23,799	0.00	0.0	
42	25,086	0.00	0.0	

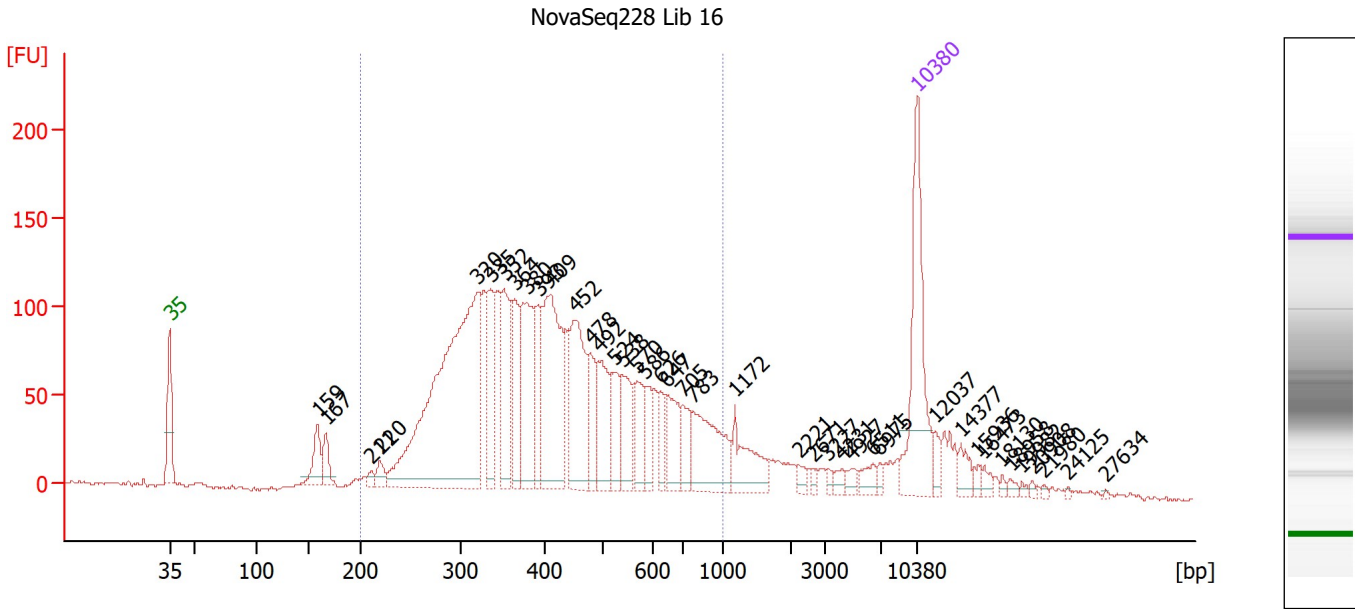
Region table for sample 7 : NovaSeq228 Lib 15

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	4,586.5	77	404	36.1	11,432.91	49,492.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : NovaSeq228 Lib 16

Number of peaks found: 41 Corr. Area 1: 2,965.1
 Noise: 1.0

Peak table for sample 8 : NovaSeq228 Lib 16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	159	27.80	264.8	
3	167	19.15	174.0	
4	211	4.65	33.4	
5	220	10.60	73.1	
6	320	339.19	1,604.4	
7	335	50.47	228.0	
8	352	64.67	278.5	
9	364	44.61	185.5	
10	380	78.97	315.3	
11	393	38.11	147.0	
12	409	117.91	436.3	
13	452	87.76	294.2	
14	478	29.72	94.2	
15	492	47.82	147.3	
16	524	34.69	100.3	
17	538	35.60	100.2	
18	570	26.94	71.6	
19	586	17.44	45.1	
20	626	16.14	39.1	
21	647	32.54	76.2	
22	705	21.41	46.0	
23	783	60.72	117.5	
24	1,172	32.74	42.3	
25	2,221	4.28	2.9	
26	2,671	2.84	1.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : NovaSeq228 Lib 16

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	3,227	2.72	1.3	
28	4,231	4.32	1.5	
29	4,927	4.95	1.5	
30	6,511	7.68	1.8	
31	6,975	3.42	0.7	
32	10,380	75.00	10.9	Upper Marker
33	12,037	0.00	0.0	
34	14,377	0.00	0.0	
35	15,936	0.00	0.0	
36	16,473	0.00	0.0	
37	18,130	0.00	0.0	
38	18,958	0.00	0.0	
39	19,982	0.00	0.0	
40	20,908	0.00	0.0	
41	21,980	0.00	0.0	
42	24,125	0.00	0.0	
43	27,634	0.00	0.0	

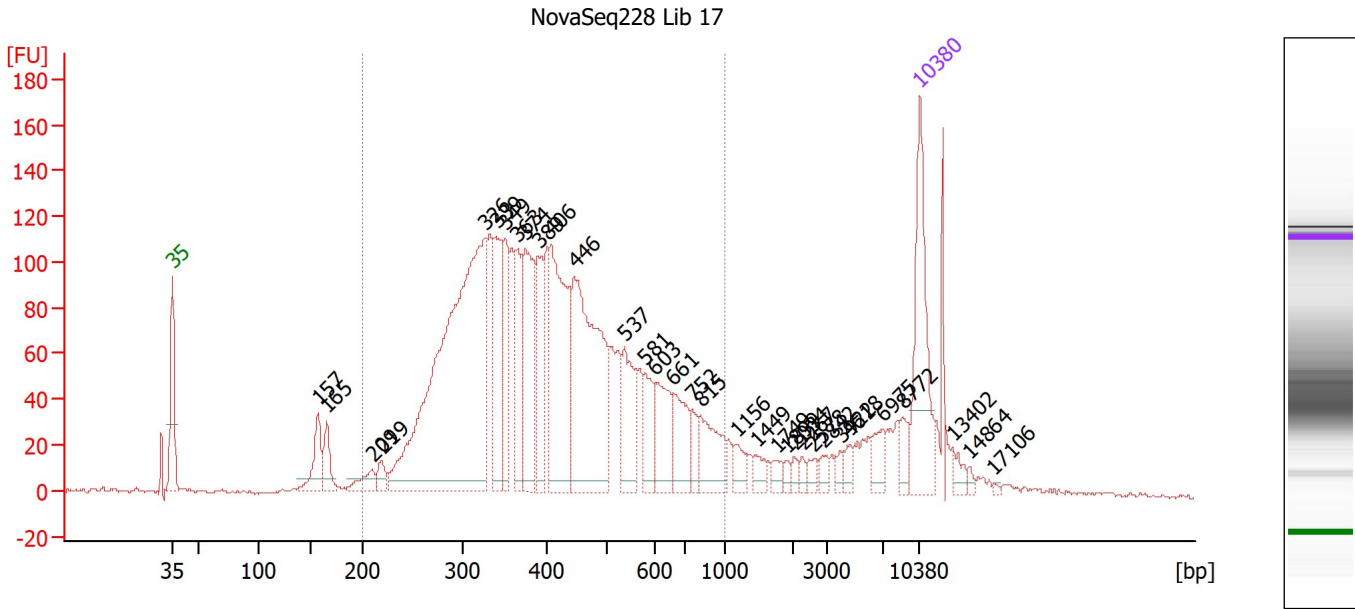
Region table for sample 8 : NovaSeq228 Lib 16

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	2,965.1	84	438	35.1	1,316.13	5,241.5	■

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NovaSeq228 Lib 17

Number of peaks found: 33 Corr. Area 1: 2,820.6
 Noise: 0.9

Peak table for sample 9 : NovaSeq228 Lib 17

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	157	39.94	385.4	
3	165	26.72	245.0	
4	209	17.16	124.2	
5	219	12.97	89.8	
6	326	477.50	2,219.3	
7	339	75.99	339.4	
8	349	63.97	277.5	
9	363	55.48	231.5	
10	374	102.70	416.2	
11	389	59.04	230.0	
12	406	146.90	548.4	
13	446	201.56	685.2	
14	537	54.71	154.3	
15	581	30.92	80.7	
16	603	45.43	114.2	
17	661	39.99	91.6	
18	752	14.53	29.3	
19	815	41.78	77.7	
20	1,156	12.11	15.9	
21	1,449	9.69	10.1	
22	1,749	6.85	5.9	
23	1,899	3.88	3.1	
24	2,034	4.61	3.4	
25	2,267	4.30	2.9	
26	2,578	6.40	3.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...

... Peak table for sample 9 : NovaSeq228 Lib 17

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,842	6.73	3.6	
28	3,922	4.70	1.8	
29	4,618	7.46	2.4	
30	6,975	14.16	3.1	
31	8,772	11.78	2.0	
32	10,380	75.00	10.9	Upper Marker
33	13,402	0.00	0.0	
34	14,864	0.00	0.0	
35	17,106	0.00	0.0	

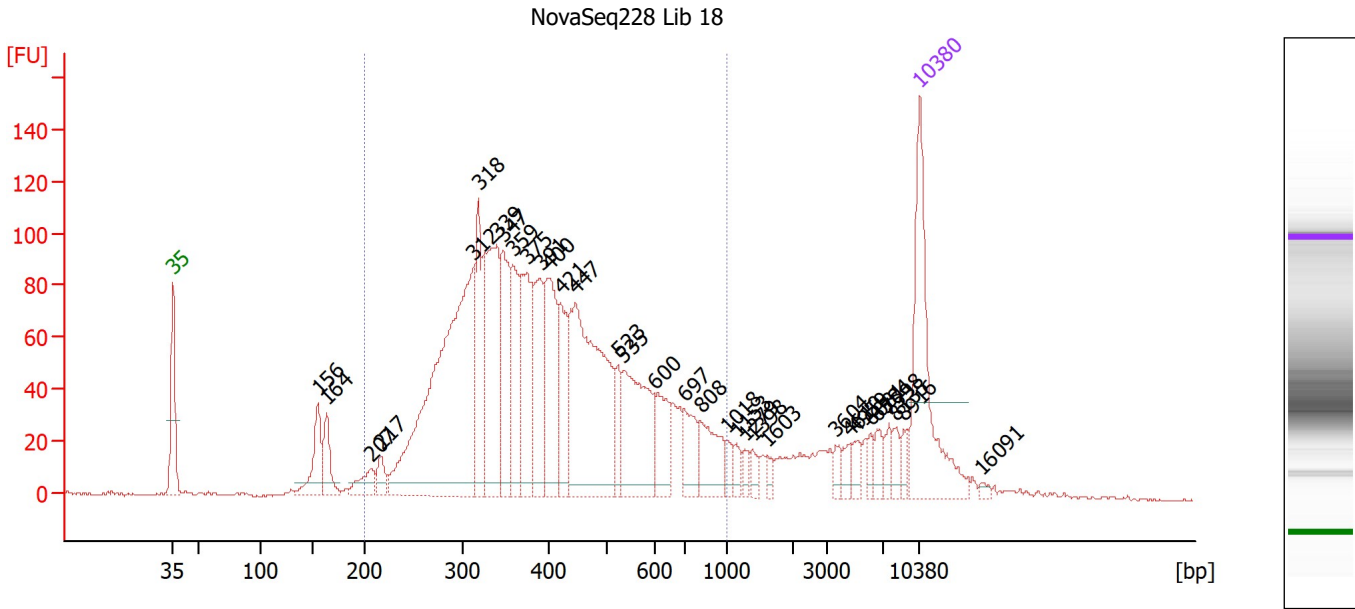
Region table for sample 9 : NovaSeq228 Lib 17

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	2,820.6	83	427	34.1	1,702.82	6,893.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : NovaSeq228 Lib 18

Number of peaks found: 33 Corr. Area 1: 2,346.2
 Noise: 0.4

Peak table for sample 10 : NovaSeq228 Lib 18

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	156	38.17	371.5	
3	164	27.83	256.4	
4	207	17.42	127.3	
5	217	12.60	88.0	
6	312	293.63	1,425.9	
7	318	68.01	323.7	
8	339	102.88	459.7	
9	347	67.13	292.8	
10	359	53.03	224.0	
11	375	69.90	282.3	
12	391	52.59	203.9	
13	400	68.67	259.8	
14	421	44.15	158.8	
15	447	166.87	566.1	
16	523	18.80	54.5	
17	535	78.56	222.4	
18	600	29.03	73.3	
19	697	24.37	52.9	
20	808	32.42	60.8	
21	1,018	7.12	10.6	
22	1,153	6.40	8.4	
23	1,279	5.39	6.4	
24	1,398	6.43	7.0	
25	1,603	4.34	4.1	
26	3,604	5.53	2.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...

... Peak table for sample 10 : NovaSeq228 Lib 18

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	4,610	6.46	2.1	
28	4,959	7.39	2.3	
29	6,081	5.56	1.4	
30	6,584	8.02	1.8	
31	7,598	6.72	1.3	
32	8,135	7.15	1.3	
33	8,916	5.61	1.0	
34	10,380	75.00	10.9	Upper Marker
35	16,091	0.00	0.0	

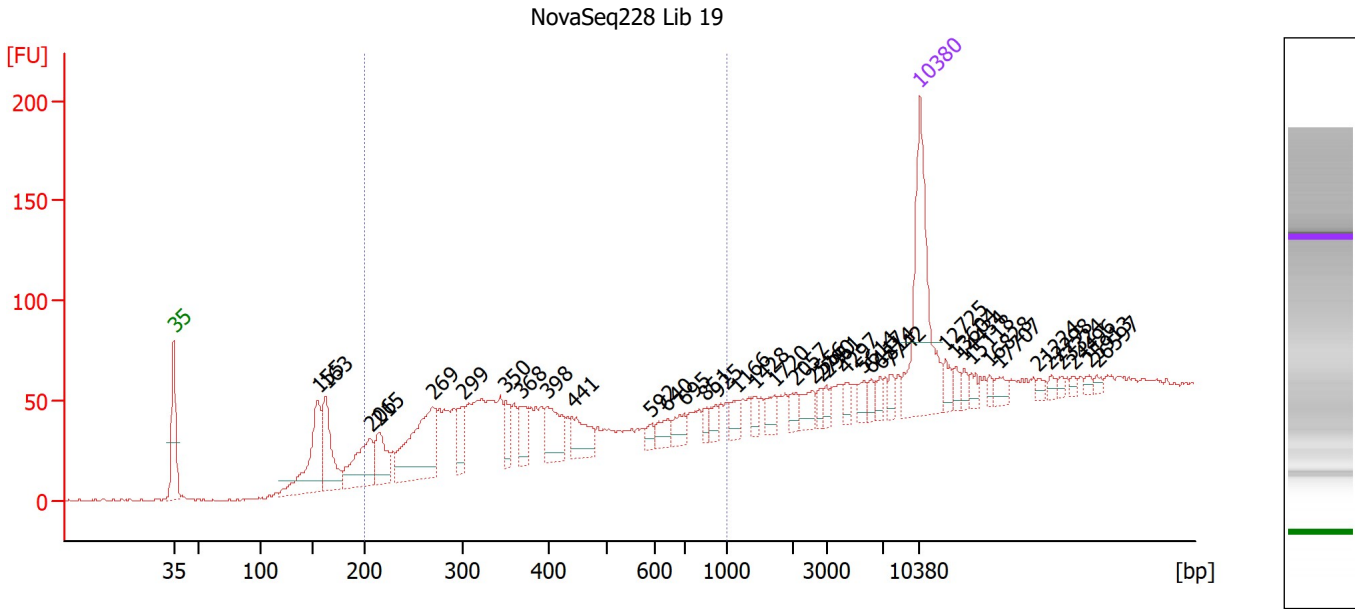
Region table for sample 10 : NovaSeq228 Lib 18

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	2,346.2	83	425	35.0	1,236.90	5,062.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : NovaSeq228 Lib 19

Number of peaks found: 39 Corr. Area 1: 760.4
 Noise: 0.5

Peak table for sample 11 : NovaSeq228 Lib 19

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	155	76.67	748.1	
3	163	55.44	515.4	
4	206	50.88	374.4	
5	215	30.95	218.1	
6	269	85.13	480.2	
7	299	22.77	115.3	
8	350	15.15	65.7	
9	368	19.35	79.6	
10	398	30.65	116.7	
11	441	24.59	84.5	
12	592	5.65	14.5	
13	640	10.06	23.8	
14	695	11.17	24.4	
15	851	5.75	10.2	
16	925	6.47	10.6	
17	1,166	8.13	10.6	
18	1,428	5.17	5.5	
19	1,720	8.68	7.6	
20	2,057	6.53	4.8	
21	2,556	10.36	6.1	
22	2,790	4.55	2.5	
23	2,961	4.66	2.4	
24	4,297	5.86	2.1	
25	5,614	6.40	1.7	
26	6,117	5.42	1.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 PM

Electropherogram Summary Continued ...

... Peak table for sample 11 : NovaSeq228 Lib 19

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	6,814	4.79	1.1	
28	7,742	5.12	1.0	
29	10,380	75.00	10.9	Upper Marker
30	12,725	0.00	0.0	
31	13,604	0.00	0.0	
32	14,434	0.00	0.0	
33	15,118	0.00	0.0	
34	16,828	0.00	0.0	
35	17,707	0.00	0.0	
36	21,224	0.00	0.0	
37	22,298	0.00	0.0	
38	23,324	0.00	0.0	
39	24,496	0.00	0.0	
40	25,913	0.00	0.0	
41	26,597	0.00	0.0	

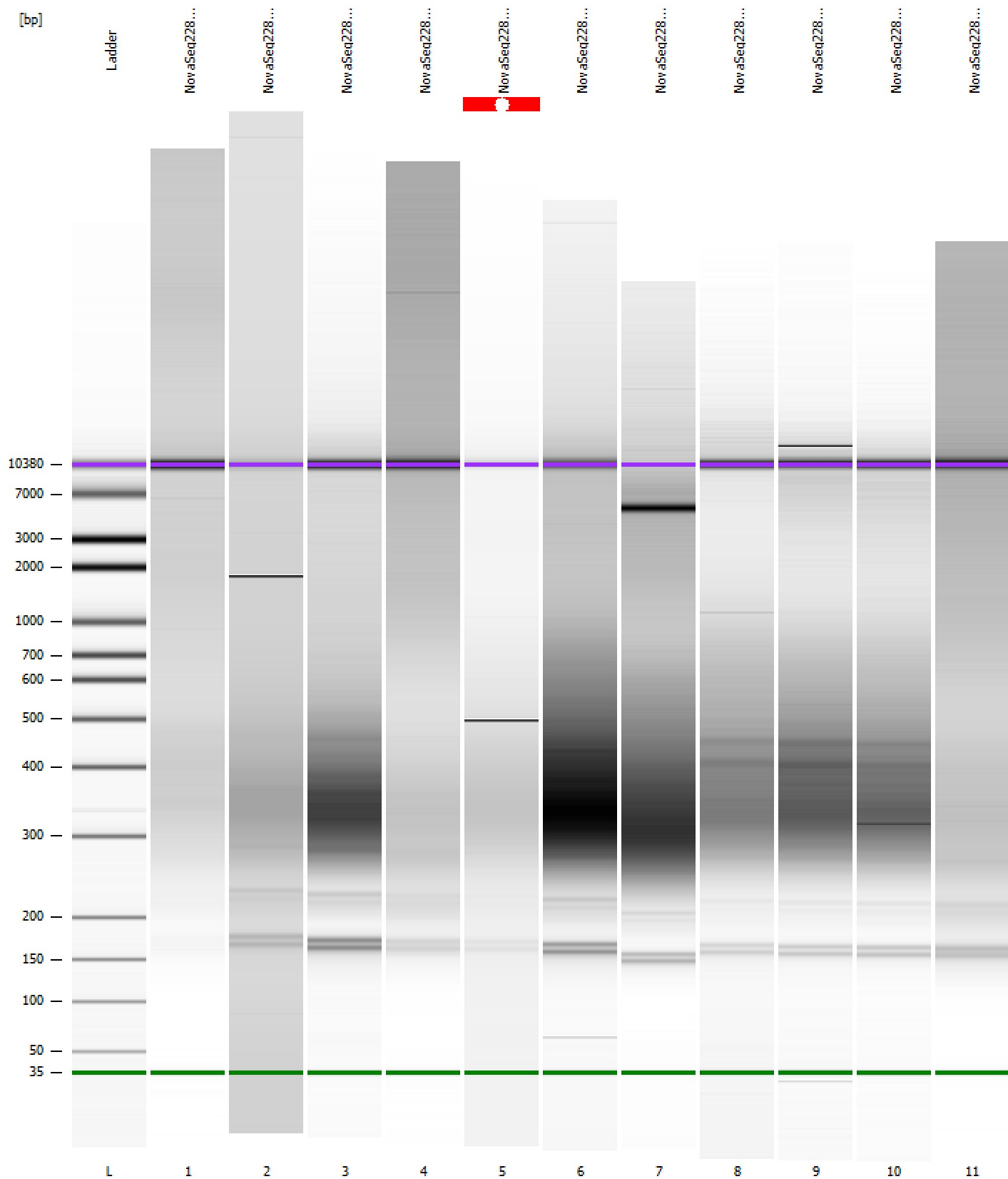
Region table for sample 11 : NovaSeq228 Lib 19

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	760.4	56	403	44.0	408.05	1,851.7	

Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
Modified: 8/24/2020 3:15:02 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-24_001.xad

Created: 8/24/2020 2:33:41 PM
 Modified: 8/24/2020 3:15:02 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		8/24/2020 3:15:00 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Instrument error occurred on port 1, Optical signal too high (1605h)	559	Instrument	Run	Sample 5	8/24/2020 2:57:01 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-24\Bioanalyze r1_High Sensitivity DNA Assay_2020-08-24_001.xad)		Instrument	Run		8/24/2020 2:33:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/24/2020 2:33:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/24/2020 2:33:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/24/2020 2:33:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/24/2020 2:33:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/24/2020 2:33:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/24/2020 2:33:47 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB