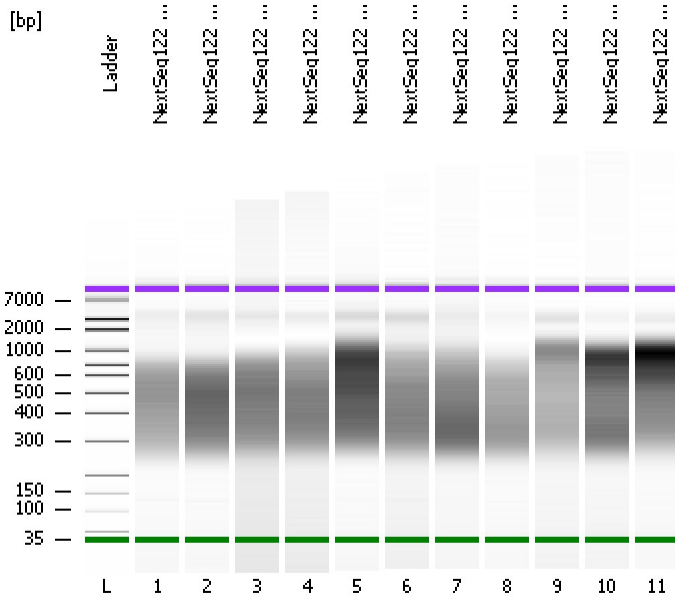


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
Modified: 5/15/2019 3:25:32 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

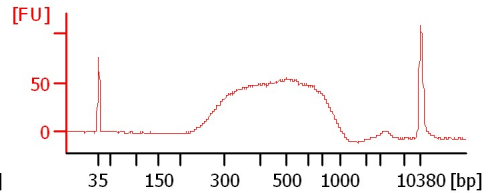
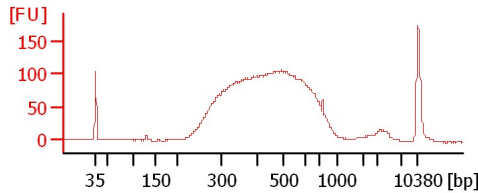
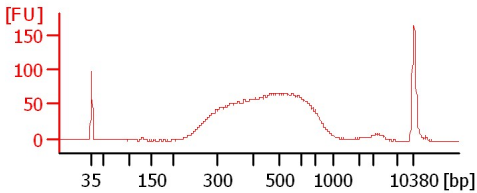
Chip Information:

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

NextSeq122 - 1 size sel lib

NextSeq122 - 2 size sel lib

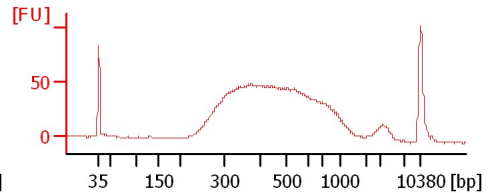
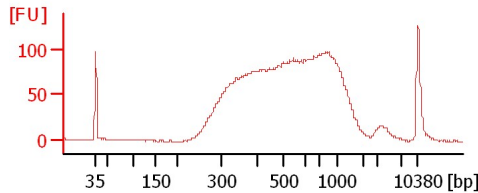
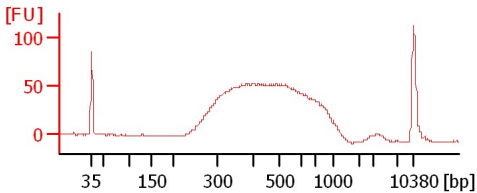
NextSeq122 - 3 size sel lib (1:4)



NextSeq122 - 4 size sel lib (1:3)

NextSeq122 - 5 size sel lib (1:10)

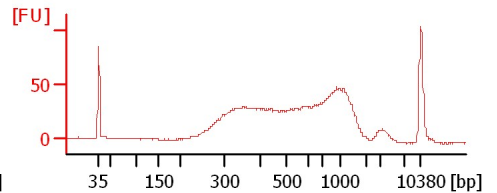
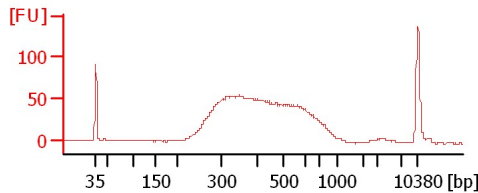
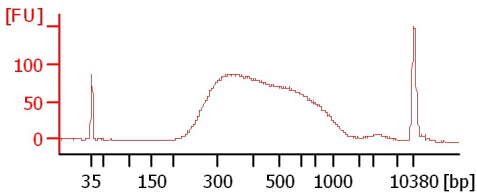
NextSeq122 - 6 size sel lib (1:2)



NextSeq122 - 7 size sel lib (1:2)

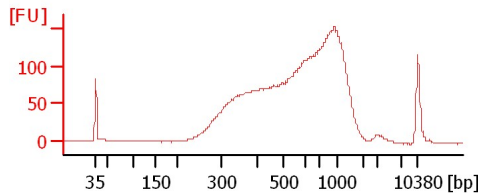
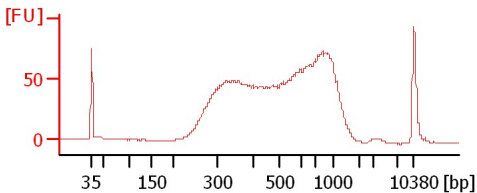
NextSeq122 - 8 size sel lib (1:6)

NextSeq122 - 9 size sel lib (1:3)



NextSeq122 - 10 size sel lib (1:10)

NextSeq122 - 11 size sel lib (1:2)



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
NextSeq122 - 1 size sel lib		<input type="checkbox"/>	✓			
NextSeq122 - 2 size sel lib		<input type="checkbox"/>	✓			
NextSeq122 - 3 size sel lib (1:4)		<input type="checkbox"/>	✓			
NextSeq122 - 4 size sel lib (1:3)		<input type="checkbox"/>	✓			
NextSeq122 - 5 size sel lib (1:10)		<input type="checkbox"/>	✓			
NextSeq122 - 6 size sel lib (1:2)		<input type="checkbox"/>	✓			
NextSeq122 - 7 size sel lib (1:2)		<input type="checkbox"/>	✓			
NextSeq122 - 8 size sel lib (1:6)		<input type="checkbox"/>	✓			
NextSeq122 - 9 size sel lib (1:3)		<input type="checkbox"/>	✓			
NextSeq122 - 10 size sel lib		<input type="checkbox"/>	✓			
NextSeq122 - 11 size sel lib (1:2)		<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\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
Modified: 5/15/2019 3:25:32 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

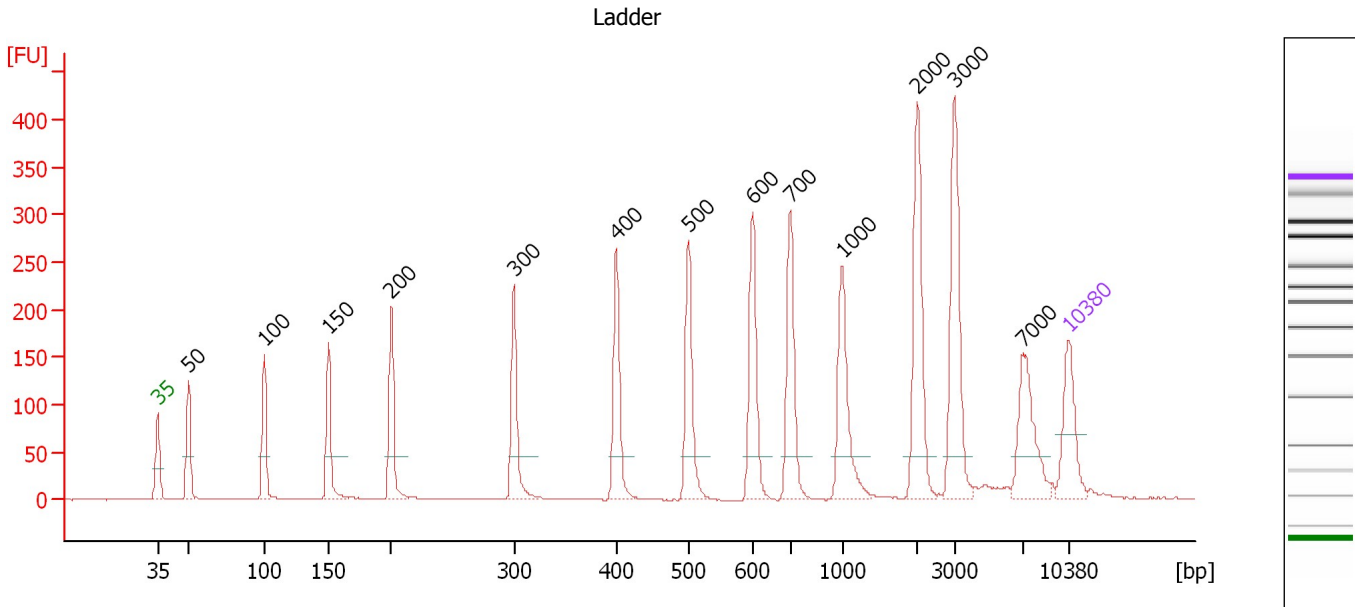
**Ladder**

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\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.5

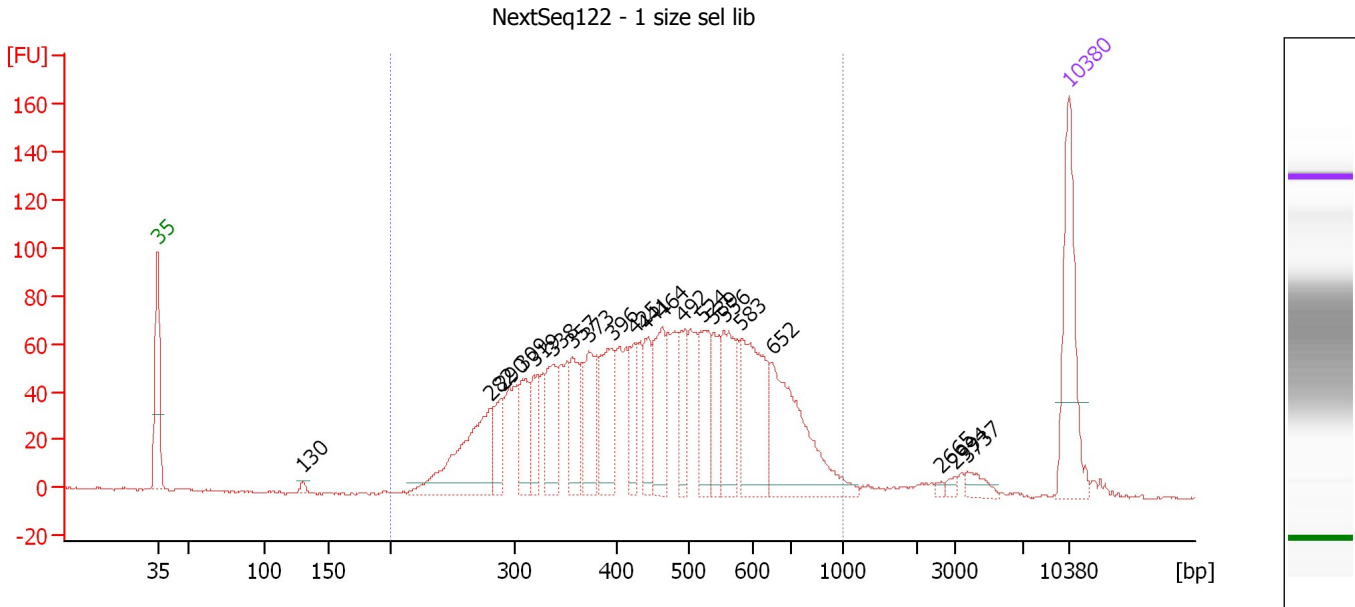
**Peak table for Ladder**

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	45.37
3	100	150.00	2,272.7	Ladder Peak	51.21
4	150	150.00	1,515.2	Ladder Peak	56.13
5	200	150.00	1,136.4	Ladder Peak	60.95
6	300	150.00	757.6	Ladder Peak	70.37
7	400	150.00	568.2	Ladder Peak	78.26
8	500	150.00	454.5	Ladder Peak	83.78
9	600	150.00	378.8	Ladder Peak	88.74
10	700	150.00	324.7	Ladder Peak	91.61
11	1,000	150.00	227.3	Ladder Peak	95.60
12	2,000	150.00	113.6	Ladder Peak	101.36
13	3,000	150.00	75.8	Ladder Peak	104.23
14	7,000	150.00	32.5	Ladder Peak	109.52
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : NextSeq122 - 1 size sel lib**

Number of peaks found: 21                      Corr. Area 1: 1,975.8  
 Noise: 0.5

**Peak table for sample 1 : NextSeq122 - 1 size sel lib**


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	130	4.97	57.7		54.19
3	282	126.21	678.8		68.65
4	290	36.18	188.9		69.45
5	309	49.79	244.4		71.06
6	319	32.69	155.0		71.91
7	338	54.91	246.1		73.37
8	357	47.33	200.7		74.88
9	373	57.79	234.5		76.16
10	396	64.54	247.2		77.91
11	425	34.12	121.5		79.65
12	441	42.52	146.2		80.50
13	464	62.72	204.9		81.78
14	492	38.21	117.7		83.34
15	524	46.96	135.9		84.94
16	539	37.38	105.1		85.70
17	556	67.74	184.6		86.55
18	583	99.64	259.2		87.87
19	652	127.92	297.3		90.23
20	2,665	2.19	1.2		103.27
21	2,994	3.55	1.8		104.21
22	3,737	9.88	4.0		105.21
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**

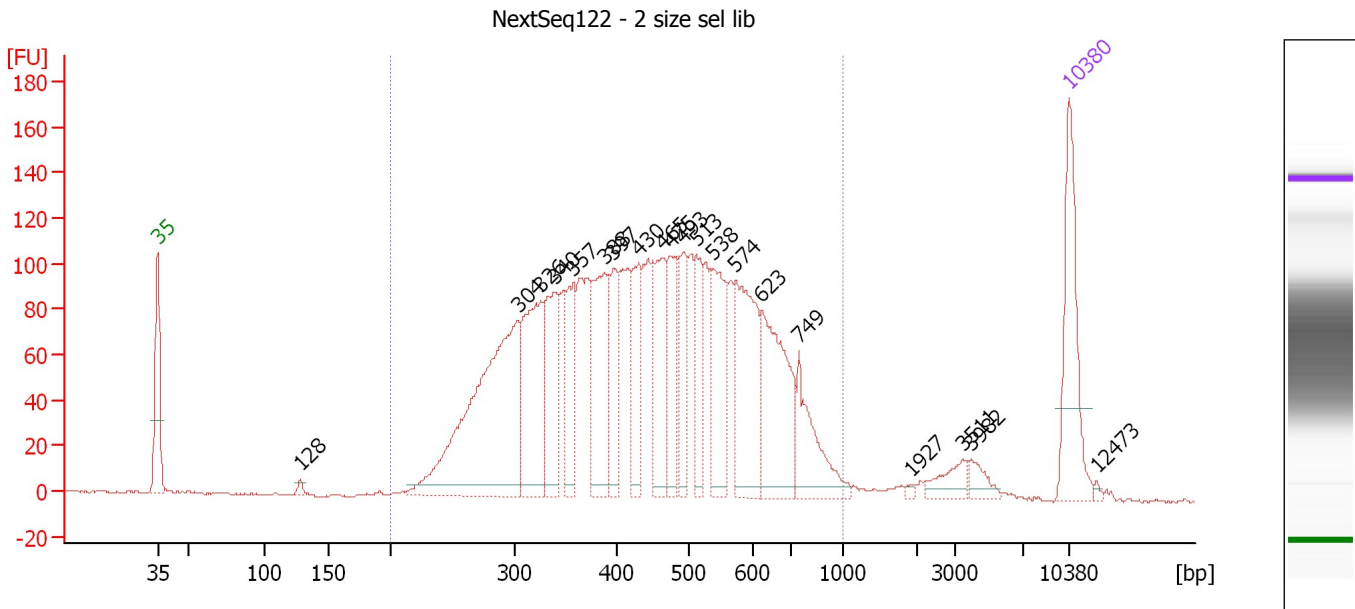
... Region table for sample 1 : NextSeq122 - 1 size sel lib

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	466	1,356.23	1,975.8	5,033.2	 95	30.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : NextSeq122 - 2 size sel lib**

Number of peaks found: 20                      Corr. Area 1: 3,107.9  
 Noise: 0.5

**Peak table for sample 2 : NextSeq122 - 2 size sel lib**

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	128	5.19	61.5		53.96
3	304	331.93	1,651.8		70.72
4	326	141.87	658.7		72.45
5	340	91.85	409.7		73.50
6	357	63.76	270.4		74.89
7	388	117.49	458.5		77.33
8	397	59.15	225.9		78.00
9	430	66.19	233.2		79.92
10	465	86.06	280.5		81.83
11	475	70.75	225.6		82.40
12	493	58.88	181.1		83.36
13	513	48.84	144.3		84.42
14	538	91.15	256.7		85.66
15	574	122.68	324.0		87.43
16	623	123.05	299.4		89.40
17	749	65.78	133.0		92.27
18	1,927	2.18	1.7		100.93
19	3,511	17.77	7.7		104.91
20	3,982	12.54	4.8		105.53
21	10,380	75.00	10.9	Upper Marker	113.00
22	12,473	0.00	0.0		115.15

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**

... Region table for sample 2 : NextSeq122 - 2 size sel lib

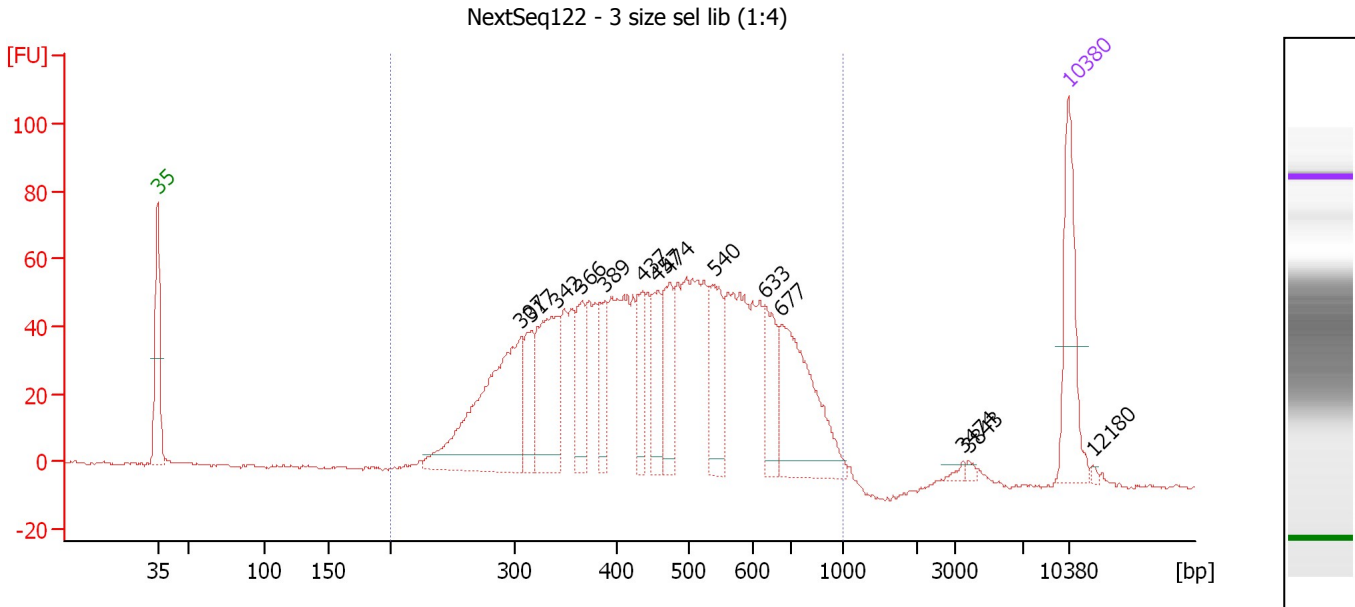
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	456	1,965.26	3,107.9	7,434.1	 96	30.4



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : NextSeq122 - 3 size sel lib (1:4)**

Number of peaks found: 14                      Corr. Area 1: 1,635.5  
 Noise: 0.5

**Peak table for sample 3 : NextSeq122 - 3 size sel lib (1:4)**

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	307	256.77	1,266.7		70.93
3	317	55.91	267.2		71.71
4	342	138.23	611.7		73.71
5	366	56.86	235.5		75.56
6	389	44.69	173.9		77.42
7	437	48.13	166.9		80.29
8	457	58.06	192.4		81.41
9	474	62.75	200.6		82.34
10	540	76.69	215.3		85.75
11	633	53.16	127.2		89.70
12	677	153.48	343.3		90.97
13	3,474	3.71	1.6		104.86
14	3,843	3.30	1.3		105.35
15	10,380	75.00	10.9	Upper Marker	113.00
16	12,180	0.00	0.0		114.85

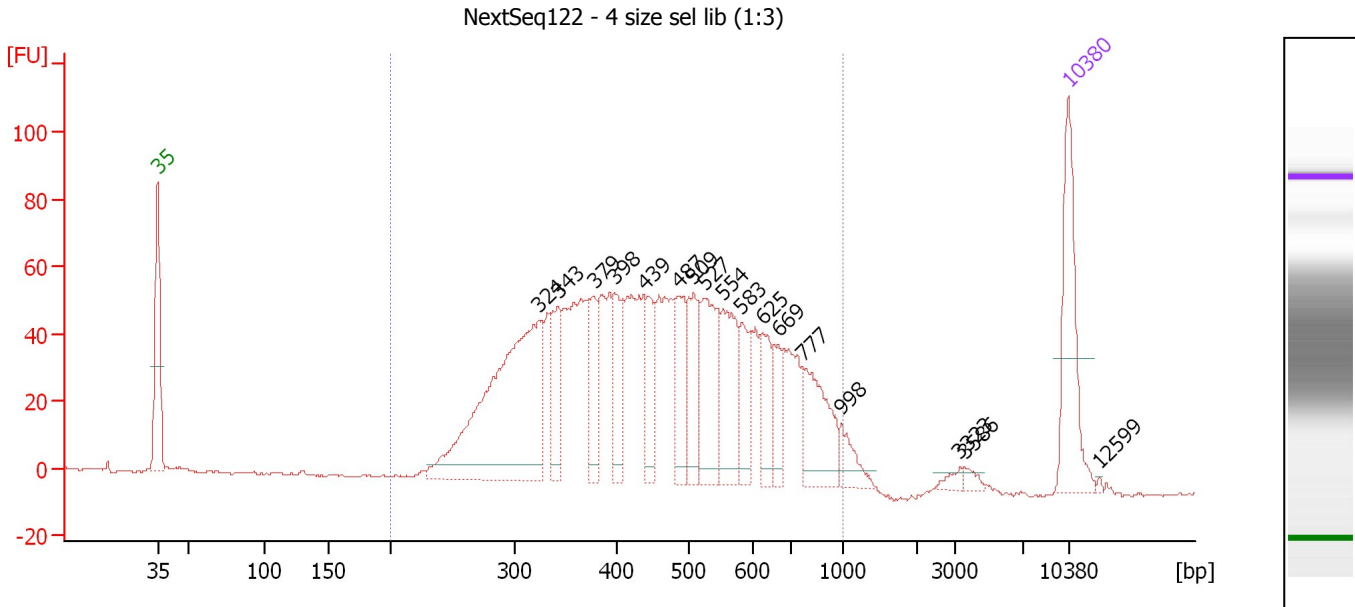
**Region table for sample 3 : NextSeq122 - 3 size sel lib (1:4)**

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	474	1,702.64	1,635.5	6,225.0	99	31.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : NextSeq122 - 4 size sel lib (1:3)**

Number of peaks found: 17                      Corr. Area 1: 1,609.1  
 Noise: 0.4

**Peak table for sample 4 : NextSeq122 - 4 size sel lib (1:3)**

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	324	321.54	1,501.9		72.29
3	343	58.57	258.5		73.78
4	379	47.90	191.7		76.56
5	398	46.50	177.0		78.10
6	439	53.94	186.0		80.43
7	487	56.01	174.2		83.06
8	509	60.63	180.6		84.21
9	527	88.66	255.1		85.10
10	554	79.55	217.7		86.44
11	583	41.09	106.9		87.88
12	625	39.86	96.6		89.47
13	669	27.82	63.1		90.71
14	777	72.65	141.6		92.65
15	998	20.18	30.6		95.57
16	3,323	5.96	2.7		104.66
17	3,586	5.36	2.3		105.01
18	10,380	75.00	10.9	Upper Marker	113.00
19	12,599	0.00	0.0		115.28

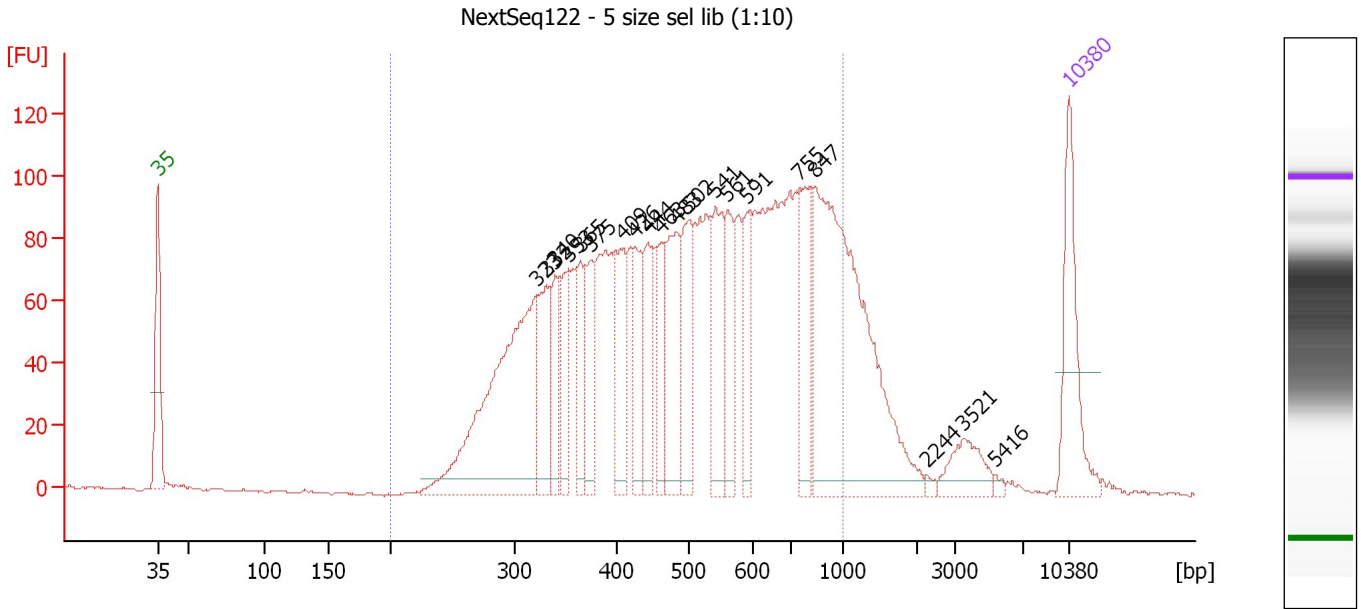
**Region table for sample 4 : NextSeq122 - 4 size sel lib (1:3)**

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	475	1,487.57	1,609.1	5,445.3	99	32.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : NextSeq122 - 5 size sel lib (1:10)**

Number of peaks found: 20                      Corr. Area 1: 2,738.0  
 Noise: 0.5

**Peak table for sample 5 : NextSeq122 - 5 size sel lib (1:10)**

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	323	333.46	1,566.5		72.15
3	332	80.14	365.4		72.91
4	340	56.75	252.9		73.53
5	353	56.59	242.9		74.55
6	365	57.34	238.2		75.47
7	375	60.96	246.3		76.29
8	409	73.25	271.5		78.74
9	426	68.17	242.2		79.71
10	444	59.85	204.2		80.68
11	463	55.30	181.1		81.71
12	483	99.22	311.3		82.83
13	502	79.97	241.5		83.85
14	541	95.73	268.2		85.80
15	561	58.86	158.9		86.82
16	591	52.58	134.7		88.30
17	755	81.04	162.7		92.34
18	847	361.61	646.9		93.57
19	2,244	3.38	2.3		102.06
20	3,521	33.70	14.5		104.92
21	5,416	3.19	0.9		107.43
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**

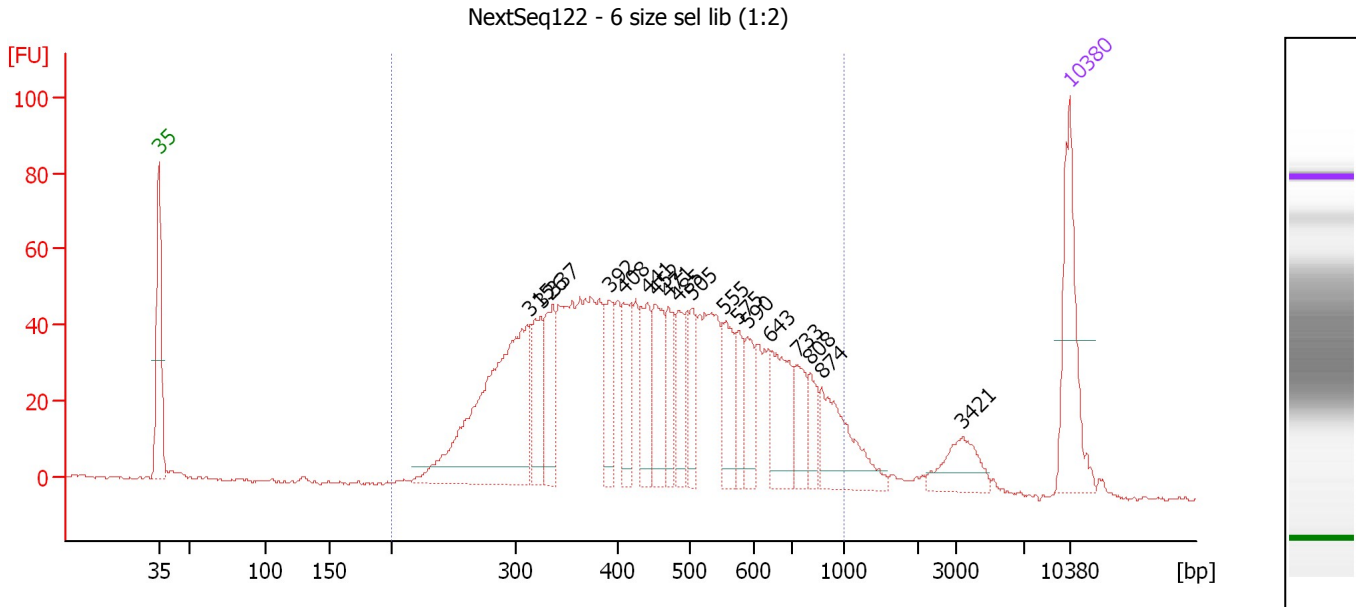
... Region table for sample 5 : NextSeq122 - 5 size sel lib (1:10)

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	527	2,237.43	2,738.0	7,586.6	 89	34.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : NextSeq122 - 6 size sel lib (1:2)**

Number of peaks found: 18                      Corr. Area 1: 1,498.3  
 Noise: 0.4

**Peak table for sample 6 : NextSeq122 - 6 size sel lib (1:2)**

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	315	295.12	1,420.8		71.53
3	326	63.52	295.3		72.41
4	337	68.59	308.3		73.30
5	392	47.35	182.8		77.66
6	408	49.18	182.6		78.70
7	441	53.59	184.1		80.52
8	452	62.02	207.7		81.14
9	471	42.20	135.7		82.18
10	485	47.40	148.0		82.96
11	505	37.99	114.1		84.00
12	555	49.79	136.0		86.50
13	575	29.87	78.7		87.48
14	590	34.49	88.5		88.26
15	643	69.95	164.8		89.98
16	733	32.64	67.5		92.06
17	808	25.36	47.6		93.04
18	874	72.67	126.0		93.93
19	3,421	32.85	14.5		104.79
20	10,380	75.00	10.9	Upper Marker	113.00

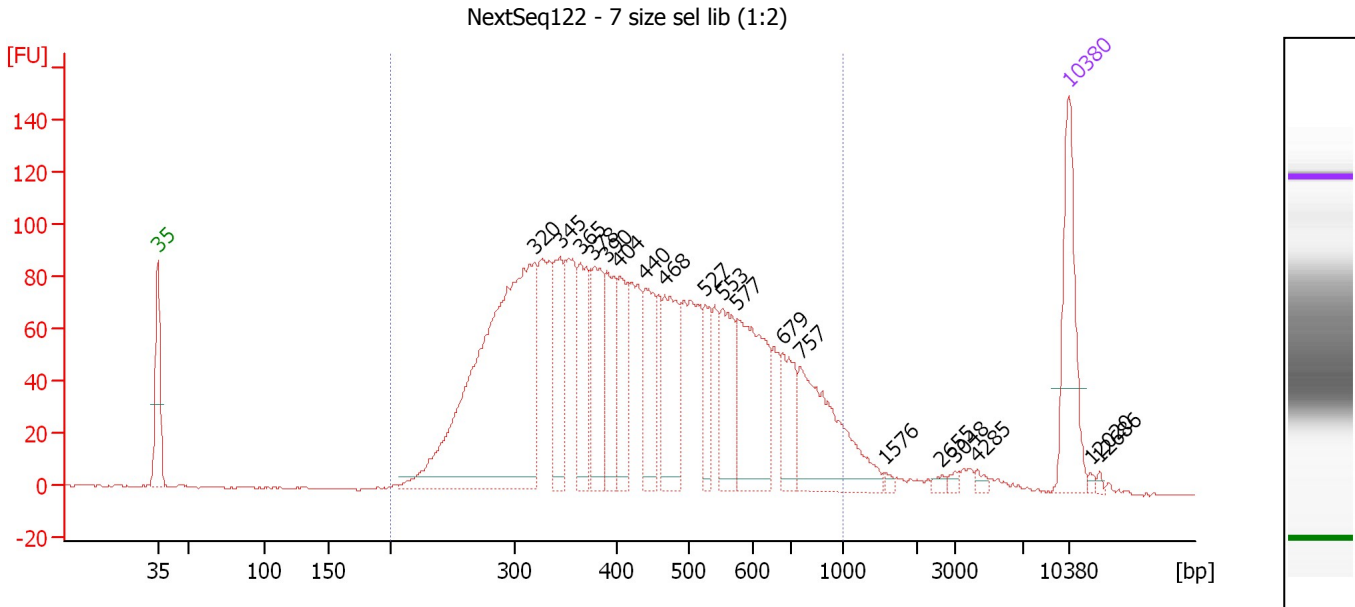
**Region table for sample 6 : NextSeq122 - 6 size sel lib (1:2)**

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	470	1,536.33	1,498.3	5,749.7	94	34.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : NextSeq122 - 7 size sel lib (1:2)**

Number of peaks found: 19                      Corr. Area 1: 2,640.7  
 Noise: 0.4

**Peak table for sample 7 : NextSeq122 - 7 size sel lib (1:2)**

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	320	502.88	2,384.8		71.91
3	345	82.47	362.3		73.91
4	365	76.47	317.4		75.49
5	378	90.97	364.9		76.50
6	390	73.84	286.5		77.50
7	404	58.98	220.9		78.50
8	440	68.77	236.9		80.45
9	468	91.60	296.9		81.98
10	527	39.80	114.5		85.09
11	553	70.53	193.2		86.41
12	577	122.65	322.3		87.57
13	679	49.34	110.2		91.00
14	757	127.38	254.9		92.37
15	1,576	2.73	2.6		98.92
16	2,655	3.37	1.9		103.24
17	3,048	3.58	1.8		104.30
18	4,285	3.96	1.4		105.93
19	10,380	75.00	10.9	Upper Marker	113.00
20	12,020	0.00	0.0		114.69
21	12,686	0.00	0.0		115.37

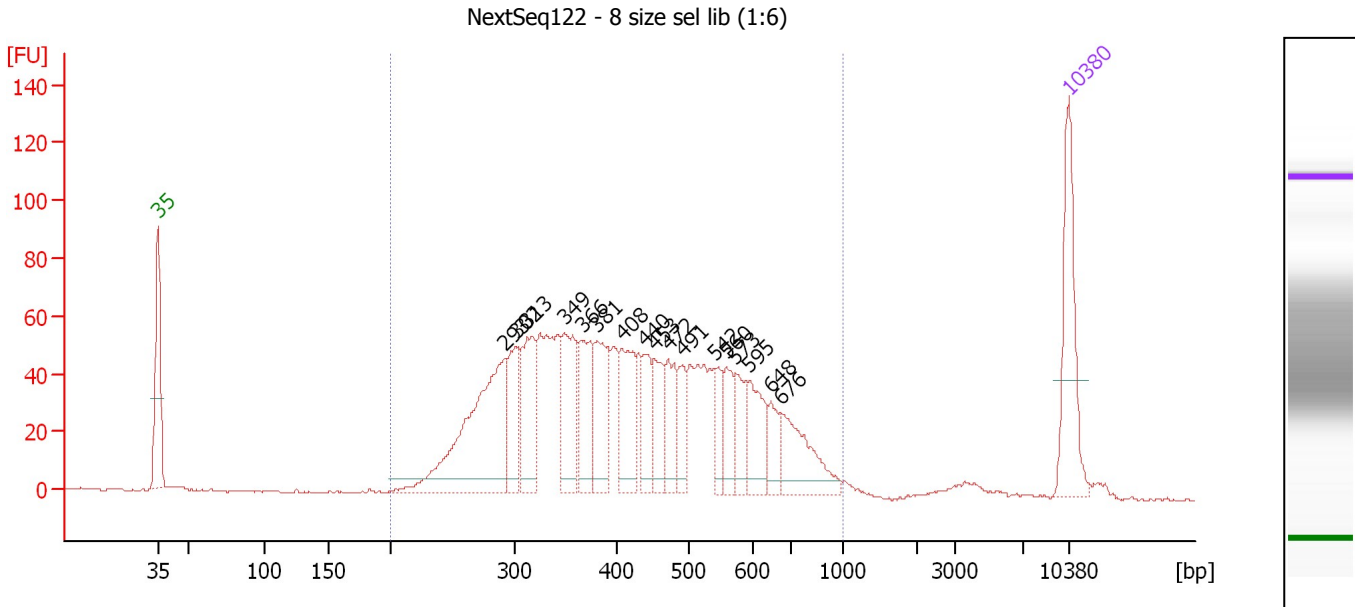
**Region table for sample 7 : NextSeq122 - 7 size sel lib (1:2)**

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	451	1,928.17	2,640.7	7,524.7	96	34.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : NextSeq122 - 8 size sel lib (1:6)**

Number of peaks found: 17                      Corr. Area 1: 1,579.9  
 Noise: 0.3

**Peak table for sample 8 : NextSeq122 - 8 size sel lib (1:6)**

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	293	227.01	1,175.9		69.66
3	302	65.05	326.5		70.52
4	313	86.53	418.3		71.43
5	349	85.64	371.4		74.26
6	366	66.65	275.7		75.60
7	381	69.82	277.5		76.77
8	408	72.00	267.4		78.69
9	440	43.42	149.6		80.46
10	453	43.91	146.7		81.21
11	472	47.44	152.3		82.22
12	491	31.39	96.8		83.29
13	542	28.93	80.9		85.85
14	560	31.93	86.3		86.76
15	573	33.54	88.7		87.40
16	595	49.03	124.9		88.47
17	648	25.59	59.8		90.13
18	676	67.46	151.2		90.93
19	10,380	75.00	10.9	Upper Marker	113.00

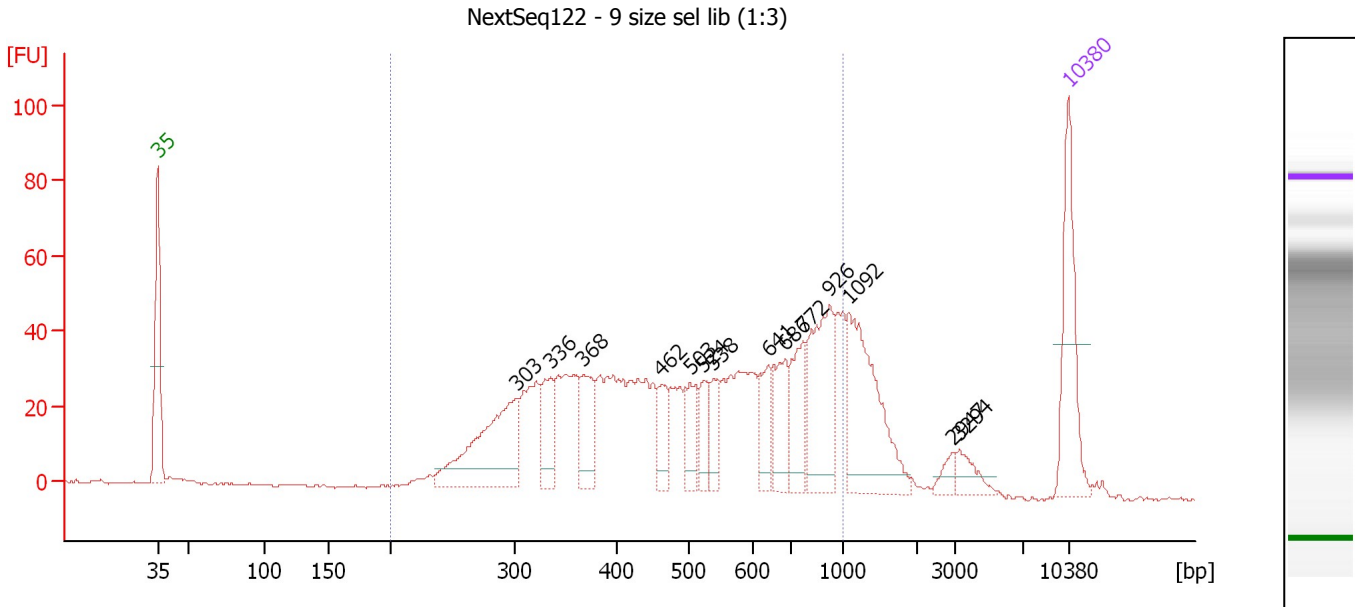
**Region table for sample 8 : NextSeq122 - 8 size sel lib (1:6)**

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	437	1,395.37	1,579.9	5,527.0	97	32.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : NextSeq122 - 9 size sel lib (1:3)**

Number of peaks found: 14                      Corr. Area 1: 1,054.7  
 Noise: 0.3

**Peak table for sample 9 : NextSeq122 - 9 size sel lib (1:3)**

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	303	153.09	765.0		70.62
3	336	48.46	218.5		73.22
4	368	51.81	213.5		75.70
5	462	30.51	99.9		81.70
6	503	35.62	107.3		83.92
7	524	27.91	80.8		84.95
8	538	27.84	78.4		85.65
9	641	31.84	75.3		89.92
10	686	50.77	112.1		91.22
11	772	51.53	101.2		92.57
12	926	96.47	157.8		94.62
13	1,092	124.98	173.4		96.14
14	2,947	10.02	5.2		104.08
15	3,294	16.66	7.7		104.62
16	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 9 : NextSeq122 - 9 size sel lib (1:3)**

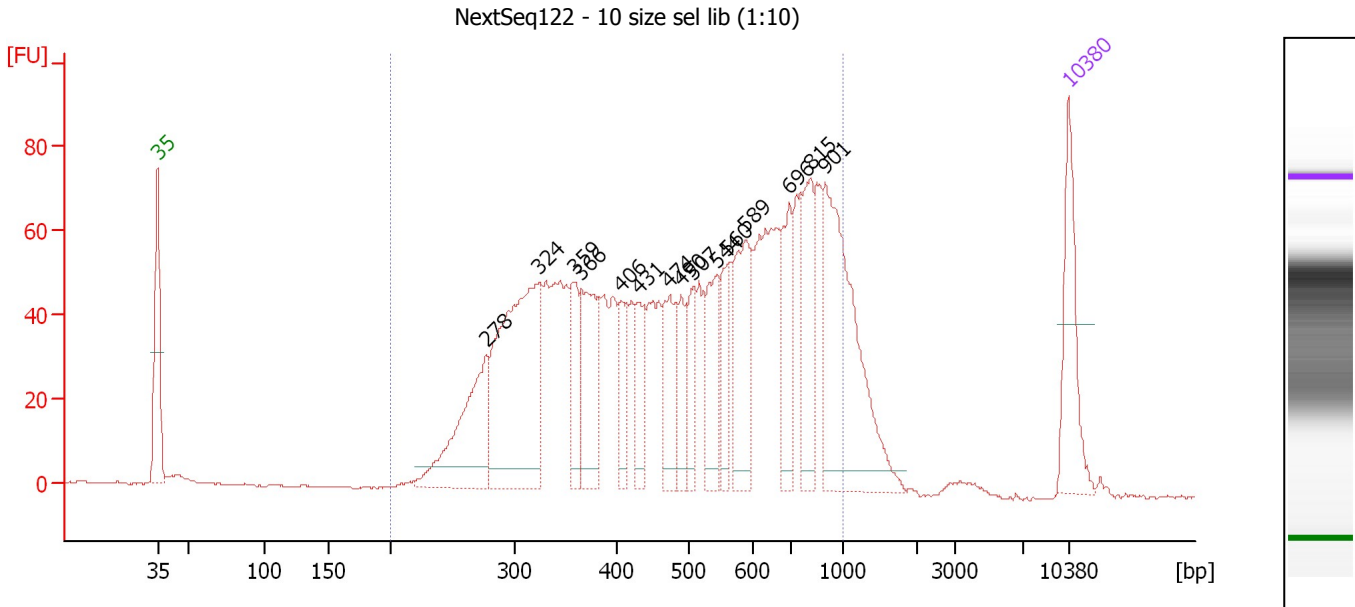
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	527	1,168.71	1,054.7	4,092.0	85	38.0



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : NextSeq122 - 10 size sel lib (1:10)**

Number of peaks found: 15                      Corr. Area 1: 1,808.0  
 Noise: 0.2

**Peak table for sample 10 : NextSeq122 - 10 size sel lib (1:10)**

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	278	165.39	902.6		68.26
3	324	324.00	1,513.0		72.30
4	359	68.42	288.7		75.03
5	366	103.98	430.5		75.57
6	406	49.83	186.1		78.57
7	431	48.57	170.6		79.99
8	474	73.62	235.3		82.34
9	490	47.11	145.7		83.21
10	507	48.04	143.5		84.14
11	544	77.94	217.2		85.94
12	560	54.19	146.6		86.76
13	589	112.62	289.9		88.18
14	696	77.14	167.9		91.50
15	815	94.78	176.3		93.14
16	901	240.68	404.8		94.29
17	10,380	75.00	10.9	Upper Marker	113.00

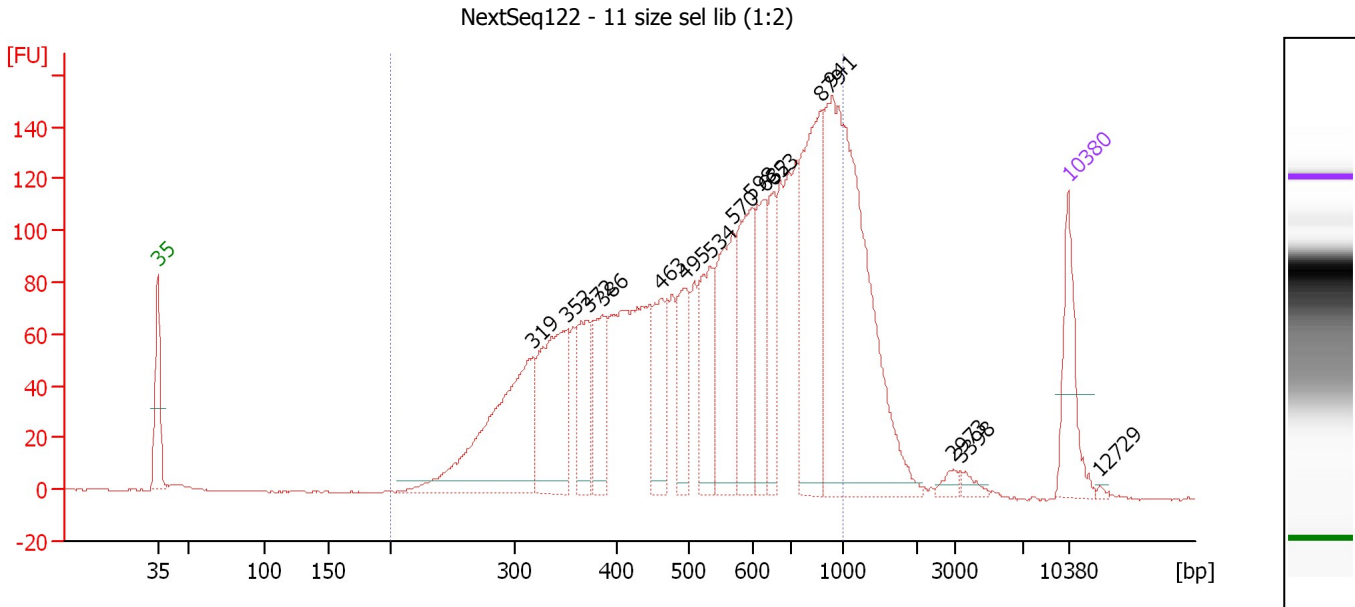
**Region table for sample 10 : NextSeq122 - 10 size sel lib (1:10)**

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	524	2,235.75	1,808.0	7,871.6	93	37.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : NextSeq122 - 11 size sel lib (1:2)**

Number of peaks found: 16                      Corr. Area 1: 2,810.9  
 Noise: 0.3

**Peak table for sample 11 : NextSeq122 - 11 size sel lib (1:2)**

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	319	322.76	1,531.0		71.90
3	352	215.57	927.5		74.48
4	372	96.11	391.1		76.08
5	386	100.50	394.2		77.18
6	463	111.38	364.4		81.74
7	495	89.93	275.3		83.49
8	534	118.66	336.6		85.47
9	570	163.31	434.4		87.23
10	598	146.48	370.9		88.66
11	632	110.92	266.1		89.65
12	653	82.47	191.5		90.25
13	879	244.09	421.0		93.99
14	941	519.63	837.1		94.81
15	2,973	9.66	4.9		104.15
16	3,398	9.47	4.2		104.76
17	10,380	75.00	10.9	Upper Marker	113.00
18	12,729	0.00	0.0		115.42

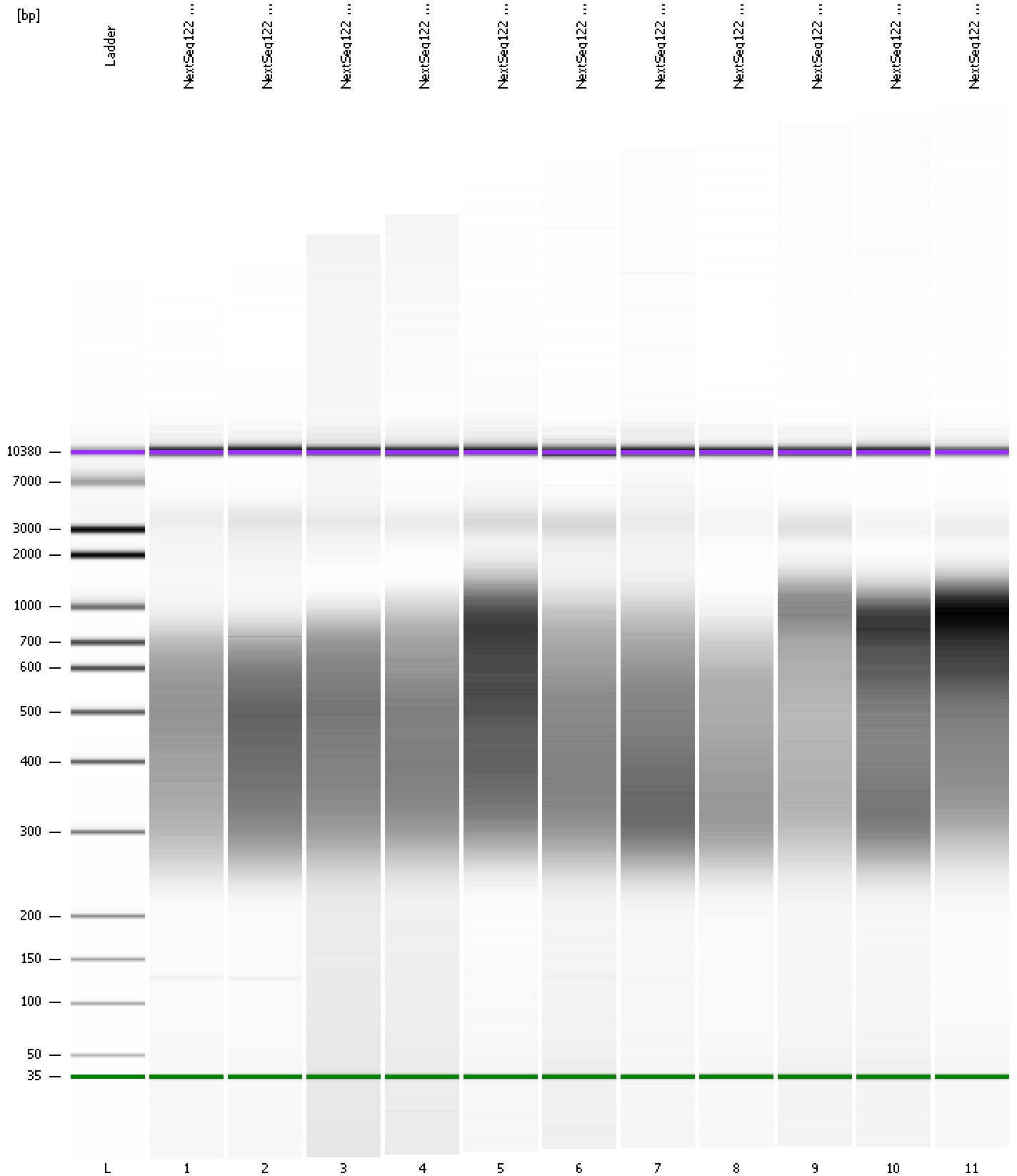
**Region table for sample 11 : NextSeq122 - 11 size sel lib (1:2)**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Total	Size distribution in CV [%]
200	1,000	565	2,679.82	2,810.9	8,619.5	87	34.9

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
Modified: 5/15/2019 3:25:32 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-05-15\2019-05-15\_007.xad

Created: 5/15/2019 2:44:13 PM  
 Modified: 5/15/2019 3:25:32 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		5/15/2019 3:25:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-05-15\2019-05-15_007.xad)		Instrument	Run		5/15/2019 2:44:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		5/15/2019 2:44:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/15/2019 2:44:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/15/2019 2:44:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		5/15/2019 2:44:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/15/2019 2:44:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/15/2019 2:44:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1