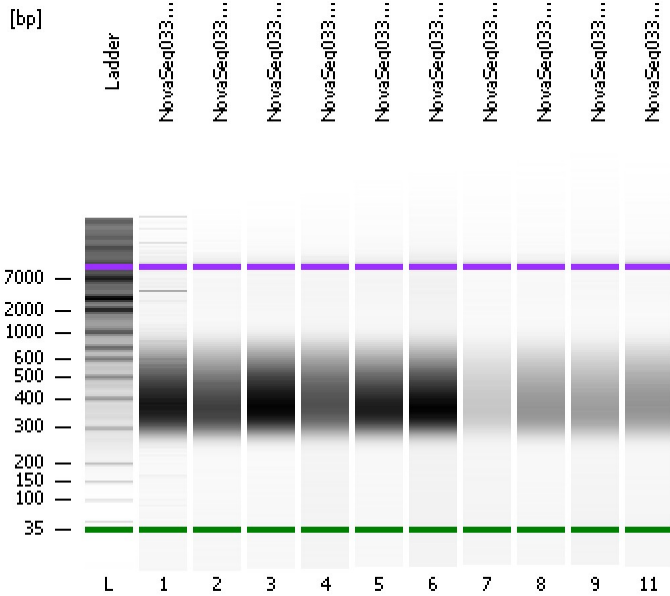


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
Modified: 5/21/2019 9:21:00 AM

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

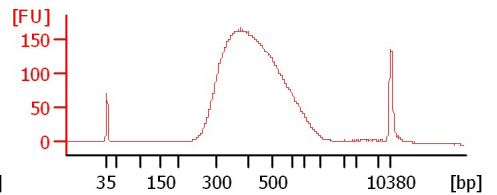
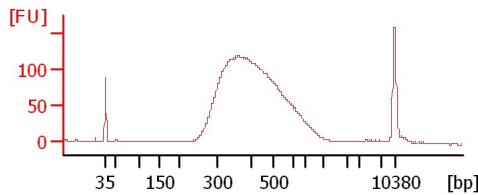
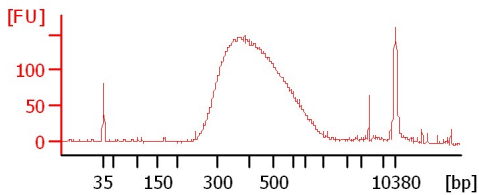
Chip Information:

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

NovaSeq033-3_P6 library

NovaSeq033-4_P8 library

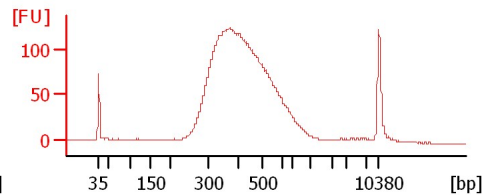
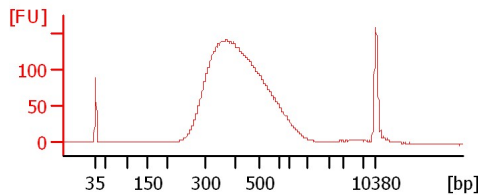
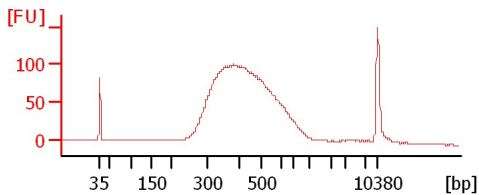
NovaSeq033-5_P21 library



NovaSeq033-6_P2 library

NovaSeq033-7_P3 library

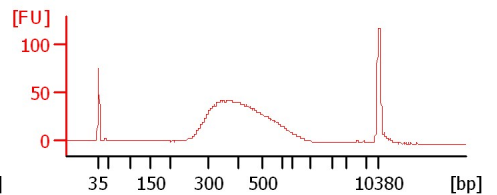
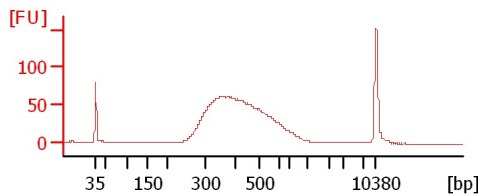
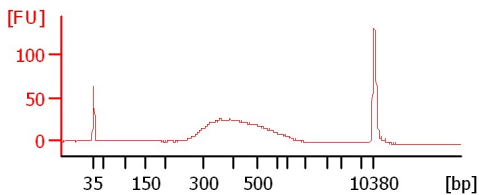
NovaSeq033-8_P7 library



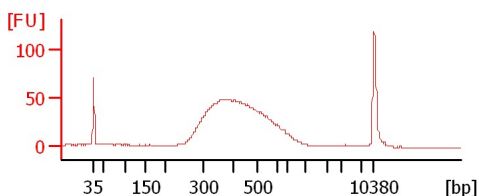
NovaSeq033-9_P10 library

NovaSeq033-10_P11 library

NovaSeq033-11_P15 library



NovaSeq033-12_P20 library



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
Modified: 5/21/2019 9:21:00 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
NovaSeq033-3_P6 library		<input type="checkbox"/>	✓			
NovaSeq033-4_P8 library		<input type="checkbox"/>	✓			
NovaSeq033-5_P21 library		<input type="checkbox"/>	✓			
NovaSeq033-6_P2 library		<input type="checkbox"/>	✓			
NovaSeq033-7_P3 library		<input type="checkbox"/>	✓			
NovaSeq033-8_P7 library		<input type="checkbox"/>	✓			
NovaSeq033 -9_P10 library		<input type="checkbox"/>	✓			
NovaSeq033-10_P11 library		<input type="checkbox"/>	✓			
NovaSeq033-11_P15 library		<input type="checkbox"/>	✓			
NovaSeq033-12_P20 library		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
Modified: 5/21/2019 9:21:00 AM

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

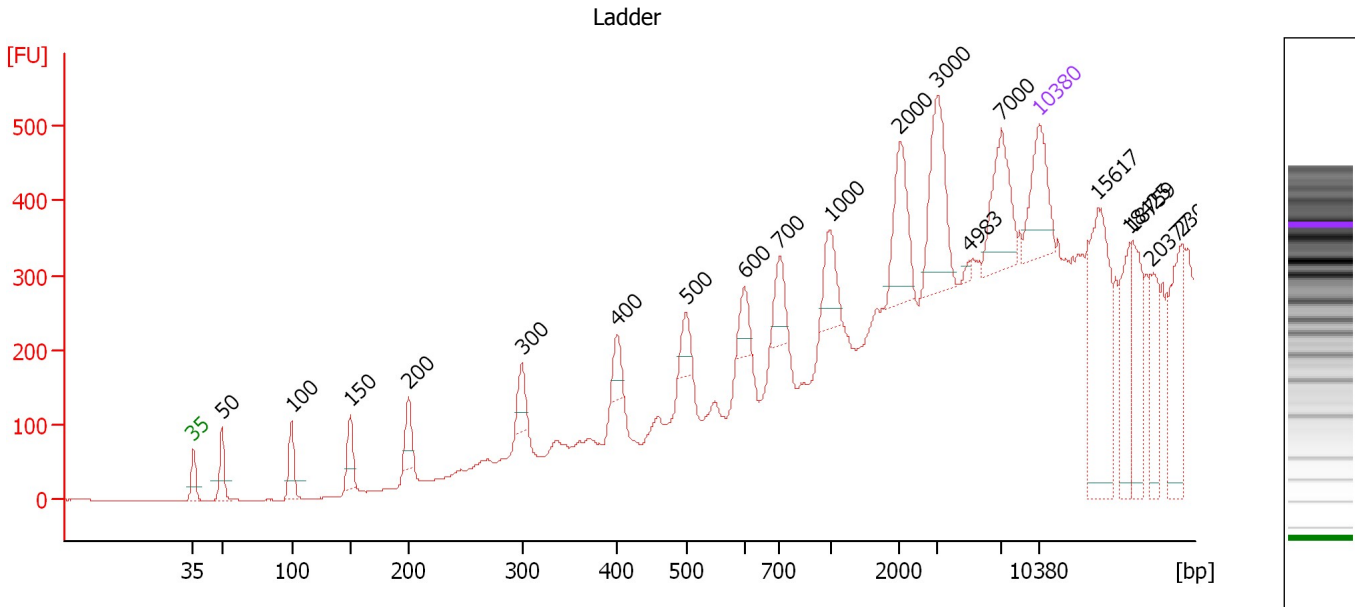
Ladder

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:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.5

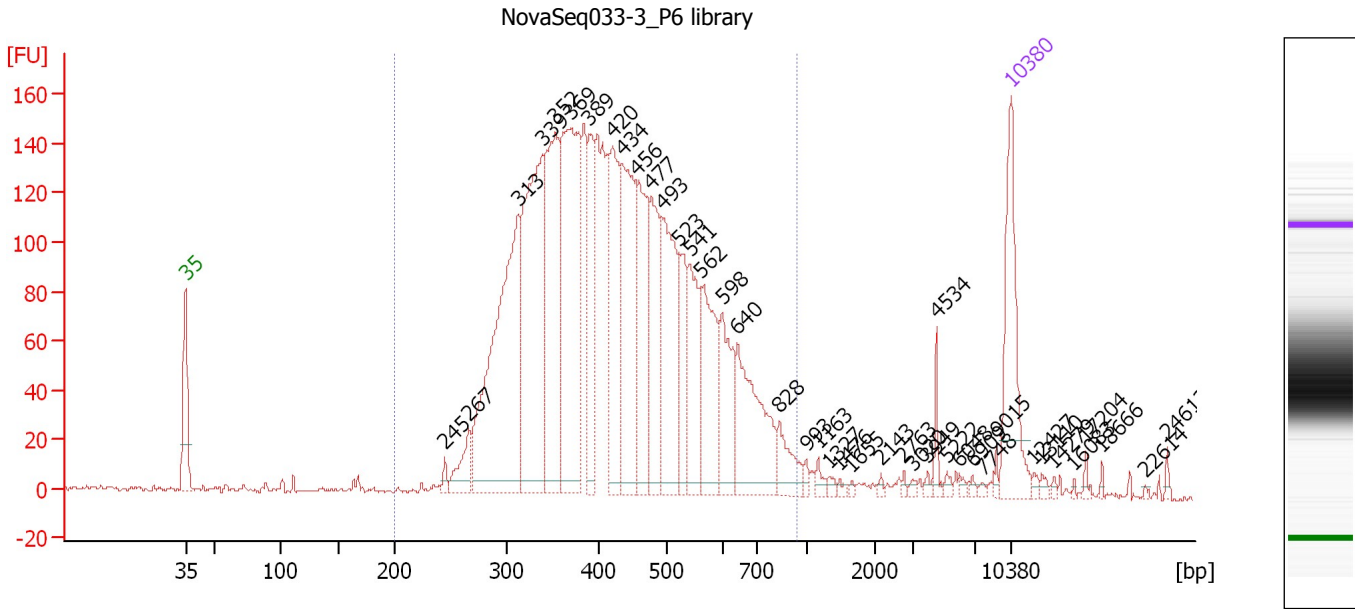
Peak table for Ladder

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	45.38
3	100	150.00	2,272.7	Ladder Peak	51.12
4	150	150.00	1,515.2	Ladder Peak	55.98
5	200	150.00	1,136.4	Ladder Peak	60.79
6	300	150.00	757.6	Ladder Peak	70.19
7	400	150.00	568.2	Ladder Peak	78.09
8	500	150.00	454.5	Ladder Peak	83.78
9	600	150.00	378.8	Ladder Peak	88.59
10	700	150.00	324.7	Ladder Peak	91.51
11	1,000	150.00	227.3	Ladder Peak	95.70
12	2,000	150.00	113.6	Ladder Peak	101.48
13	3,000	150.00	75.8	Ladder Peak	104.61
14	4,983	0.00	0.0		107.22
15	7,000	150.00	32.5	Ladder Peak	109.87
16	10,380	75.00	10.9	Upper Marker	113.00
17	15,617	0.00	0.0		117.85
18	18,425	0.00	0.0		120.46
19	18,759	0.00	0.0		120.77
20	20,377	0.00	0.0		122.27
21	23,091	0.00	0.0		124.78

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : NovaSeq033-3 P6 library

Number of peaks found: 41 Corr. Area 1: 3,519.3
 Noise: 0.9

Peak table for sample 1 : NovaSeq033-3 P6 library


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	245	6.75	41.8		65.01
3	267	31.95	181.7		67.04
4	313	316.32	1,532.2		71.20
5	339	262.10	1,173.0		73.23
6	352	187.17	805.1		74.32
7	369	249.89	1,026.5		75.63
8	389	84.48	328.7		77.25
9	420	110.22	397.4		79.24
10	434	145.06	506.7		80.01
11	456	110.40	366.8		81.28
12	477	93.93	298.6		82.45
13	493	131.29	403.2		83.40
14	523	55.83	161.7		84.89
15	541	78.11	218.8		85.75
16	562	89.54	241.6		86.74
17	598	62.71	158.8		88.51
18	640	104.84	248.0		89.77
19	828	29.15	53.3		93.30
20	993	4.43	6.8		95.60
21	1,163	5.59	7.3		96.64
22	1,327	3.04	3.5		97.59
23	1,476	2.26	2.3		98.45
24	1,655	1.74	1.6		99.49
25	2,143	1.78	1.3		101.93

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad


Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary Continued ...

... Peak table for sample 1 : NovaSeq033-3 P6 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,763	2.03	1.1		103.87
27	3,020	2.15	1.1		104.64
28	3,949	2.73	1.0		105.86
29	4,534	9.65	3.2		106.63
30	5,222	3.03	0.9		107.53
31	6,048	2.31	0.6		108.62
32	6,909	1.85	0.4		109.75
33	7,748	1.84	0.4		110.56
34	9,015	3.28	0.6		111.73
35	 10,380	75.00	10.9	Upper Marker	113.00
36	12,427	0.00	0.0		114.90
37	13,110	0.00	0.0		115.53
38	14,279	0.00	0.0		116.62
39	16,083	0.00	0.0		118.29
40	17,204	0.00	0.0		119.33
41	18,666	0.00	0.0		120.68
42	22,614	0.00	0.0		124.34
43	24,613	0.00	0.0		126.20

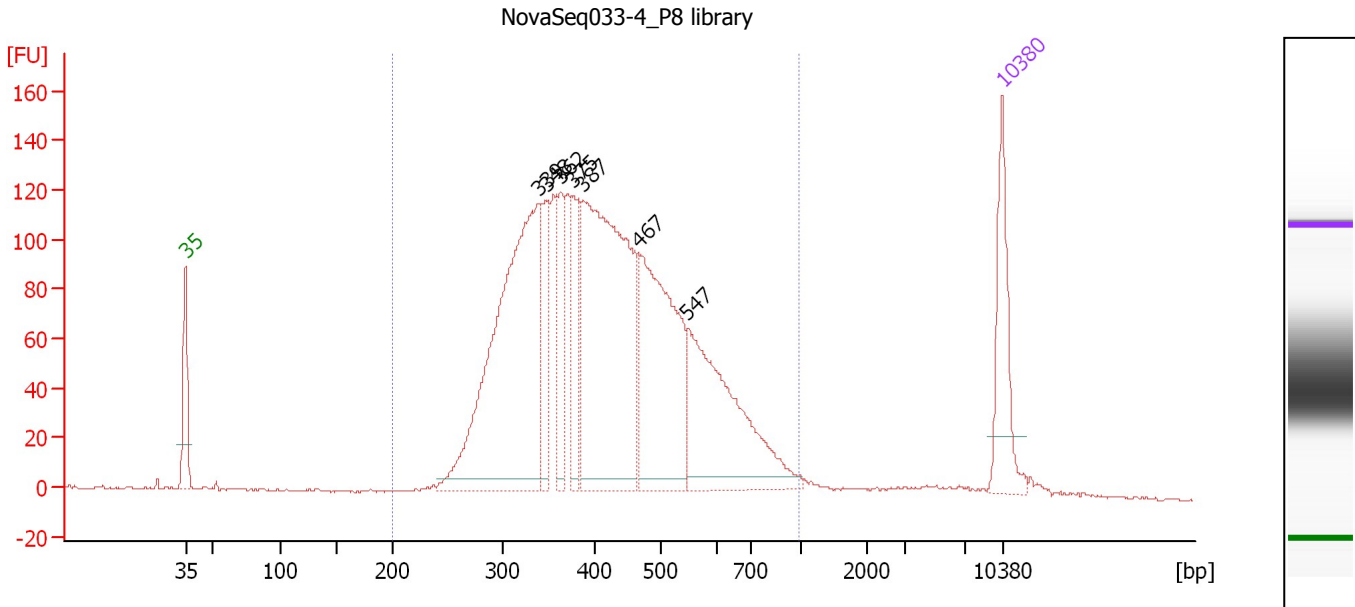
Region table for sample 1 : NovaSeq033-3 P6 library

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	941	437	2,414.06	3,519.3	9,179.3	 95	27.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : NovaSeq033-4 P8 library

Number of peaks found: 7 Corr. Area 1: 2,843.6
 Noise: 0.5

Peak table for sample 2 : NovaSeq033-4 P8 library

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	339	542.50	2,426.6		73.25
3	348	82.21	357.9		73.98
4	362	76.02	317.8		75.12
5	375	78.14	315.6		76.13
6	387	487.10	1,905.5		77.09
7	467	281.52	912.5		81.93
8	547	247.67	686.1		86.04
9	10,380	75.00	10.9	Upper Marker	113.00

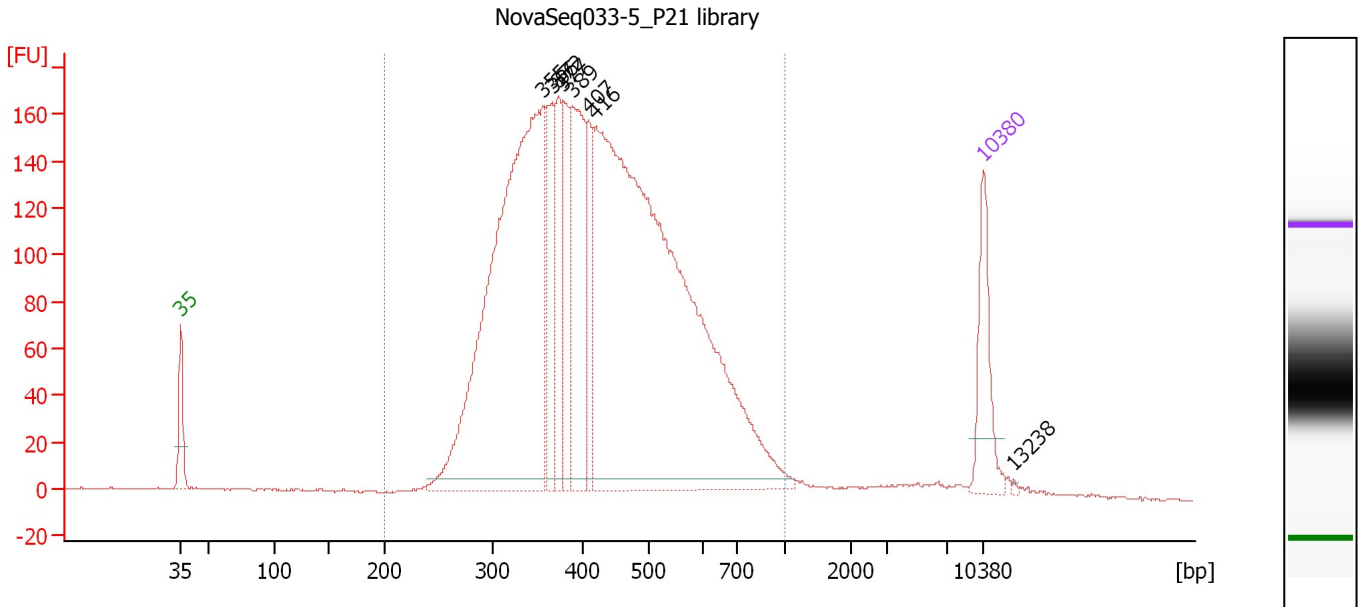
Region table for sample 2 : NovaSeq033-4 P8 library

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	992	431	1,991.47	2,843.6	7,680.2	97	27.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : NovaSeq033-5 P21 library

Number of peaks found: 8 Corr. Area 1: 3,959.7
 Noise: 0.3

Peak table for sample 3 : NovaSeq033-5 P21 library

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	355	958.72	4,087.9		74.56
3	366	141.78	587.0		75.40
4	372	108.11	439.8		75.91
5	377	122.37	491.6		76.28
6	389	225.05	876.8		77.21
7	407	94.88	352.8		78.51
8	416	1,384.53	5,037.7		79.02
9	10,380	75.00	10.9	Upper Marker	113.00
10	13,238	0.00	0.0		115.65

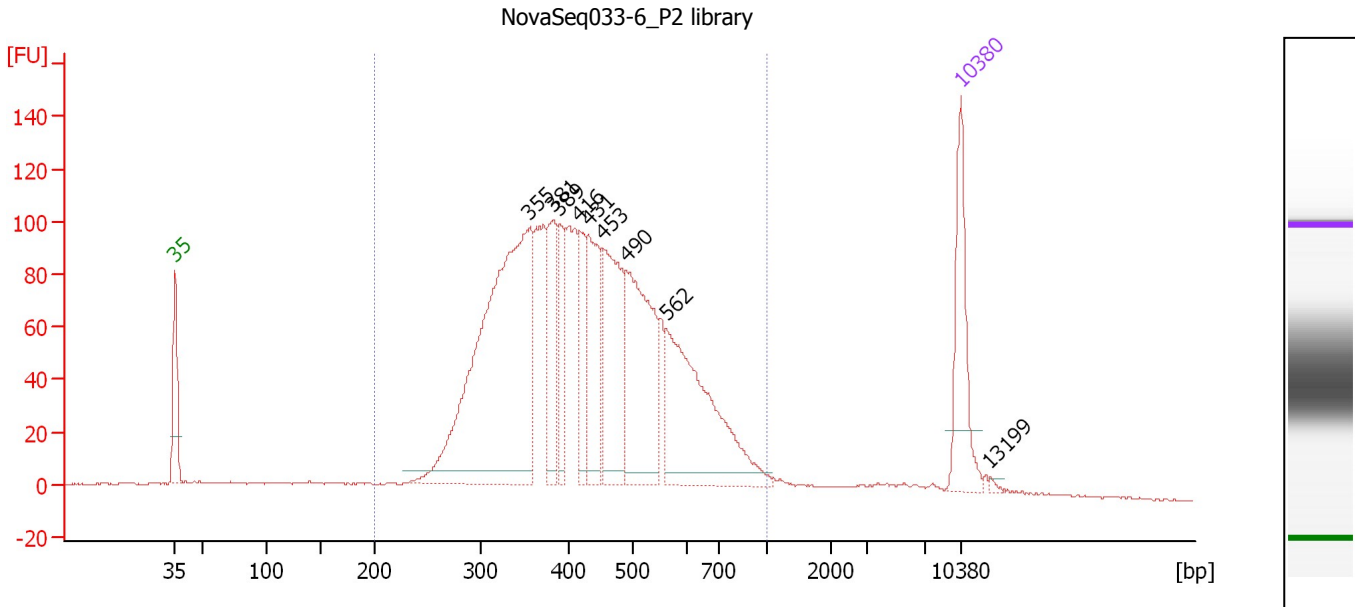
Region table for sample 3 : NovaSeq033-5 P21 library

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	437	3,069.78	3,959.7	11,673.9	97	27.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : NovaSeq033-6_P2 library

Number of peaks found: 9 Corr. Area 1: 2,497.6
 Noise: 0.4

Peak table for sample 4 : NovaSeq033-6_P2 library

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	355	555.23	2,367.9		74.55
3	381	100.11	398.6		76.55
4	389	64.78	252.3		77.22
5	416	60.75	221.0		79.02
6	431	107.90	379.7		79.83
7	453	154.73	517.4		81.11
8	490	197.75	611.7		83.20
9	562	222.95	601.0		86.77
10	10,380	75.00	10.9	Upper Marker	113.00
11	13,199	0.00	0.0		115.61

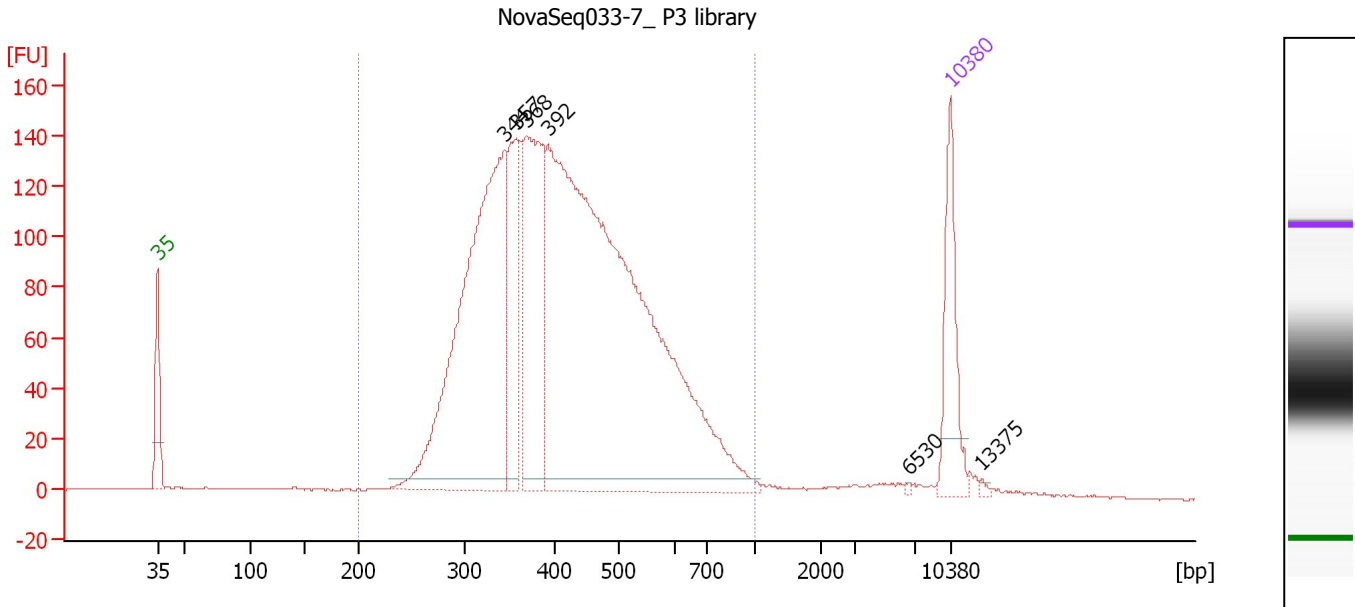
Region table for sample 4 : NovaSeq033-6_P2 library

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	442	1,862.75	2,497.6	7,049.6	94	28.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : NovaSeq033-7 P3 library

Number of peaks found: 6 Corr. Area 1: 3,169.4
 Noise: 0.3

Peak table for sample 5 : NovaSeq033-7 P3 library

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	344	609.81	2,683.5		73.69
3	357	144.45	613.7		74.66
4	368	263.75	1,086.7		75.54
5	392	1,167.37	4,507.4		77.49
6	6,530	1.42	0.3		109.25
7	10,380	75.00	10.9	Upper Marker	113.00
8	13,375	0.00	0.0		115.78

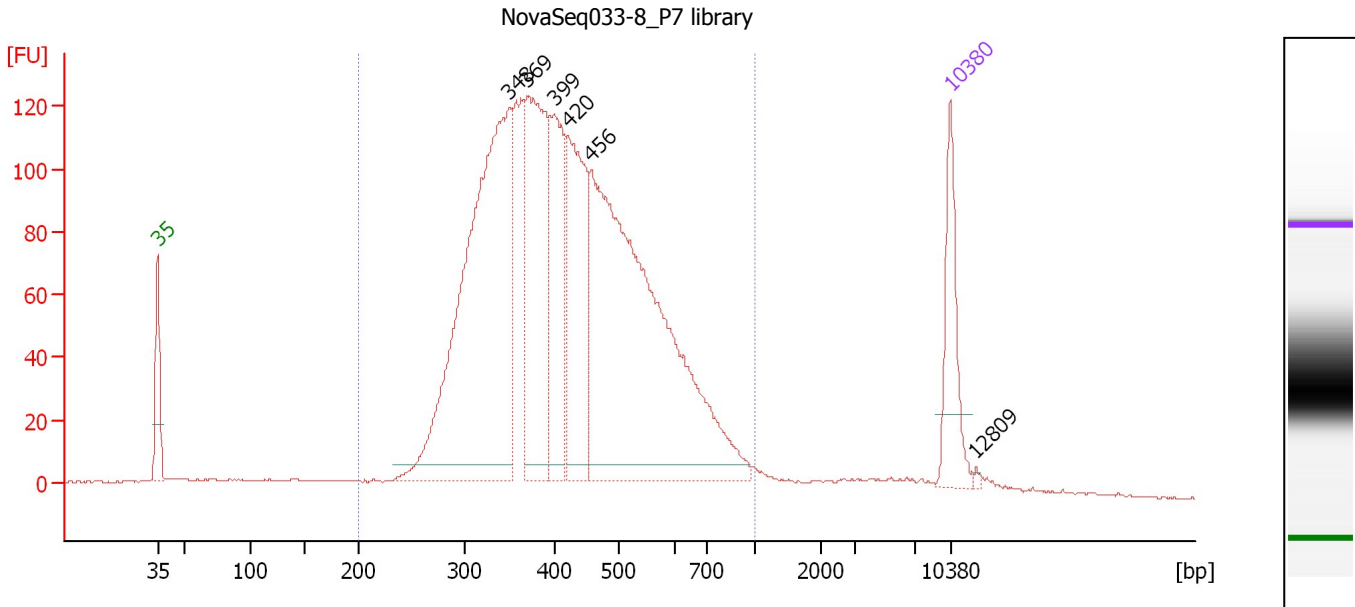
Region table for sample 5 : NovaSeq033-7 P3 library

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	429	2,192.11	3,169.4	8,463.7	95	27.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : NovaSeq033-8 P7 library

Number of peaks found: 6 Corr. Area 1: 2,792.8
 Noise: 0.3

Peak table for sample 6 : NovaSeq033-8 P7 library

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	348	721.01	3,140.1		73.97
3	369	312.27	1,282.9		75.62
4	399	188.08	715.0		77.97
5	420	232.58	839.1		79.23
6	456	764.73	2,540.9		81.28
7	10,380	75.00	10.9	Upper Marker	113.00
8	12,809	0.00	0.0		115.25

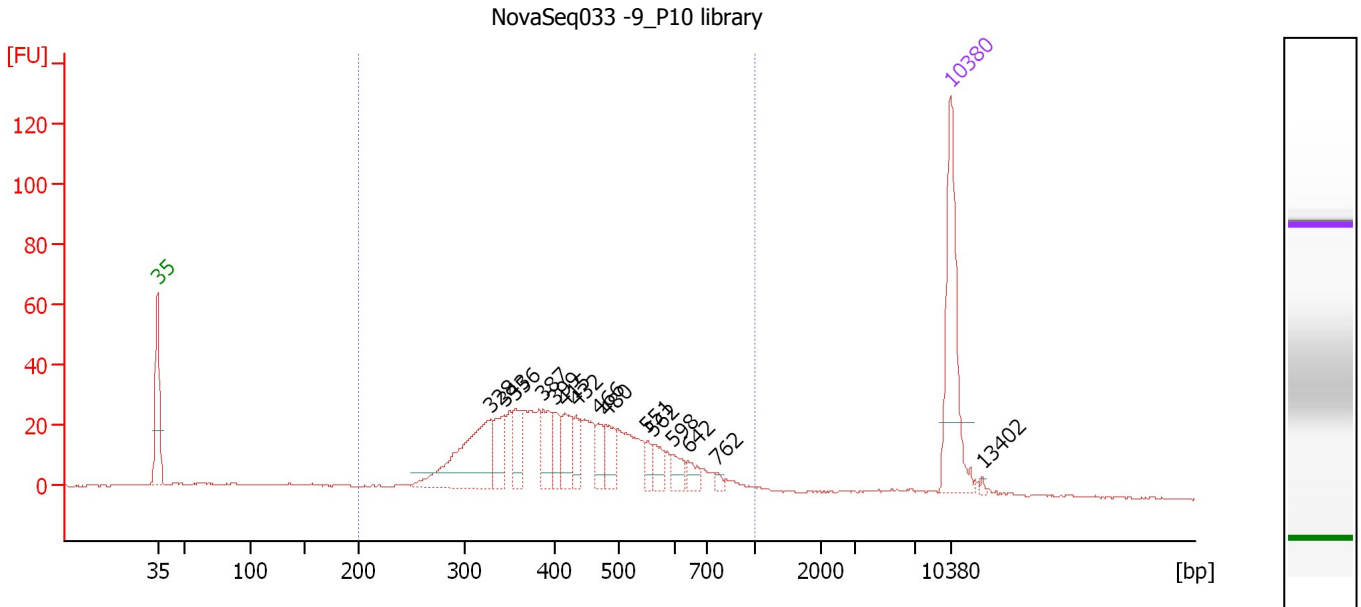
Region table for sample 6 : NovaSeq033-8 P7 library

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	432	2,471.01	2,792.8	9,493.8	94	27.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : NovaSeq033 -9 P10 library

Number of peaks found: 15 Corr. Area 1: 638.5
 Noise: 0.2

Peak table for sample 7 : NovaSeq033 -9 P10 library

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	328	100.06	462.3		72.40
3	343	31.09	137.2		73.62
4	356	25.49	108.6		74.59
5	387	26.52	103.8		77.08
6	399	19.53	74.2		78.00
7	415	26.88	98.0		78.97
8	432	16.70	58.5		79.94
9	466	16.94	55.0		81.87
10	480	20.60	65.0		82.64
11	551	9.68	26.6		86.25
12	562	13.36	36.0		86.76
13	598	11.61	29.4		88.49
14	642	9.89	23.3		89.82
15	762	3.49	6.9		92.37
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,402	0.00	0.0		115.80

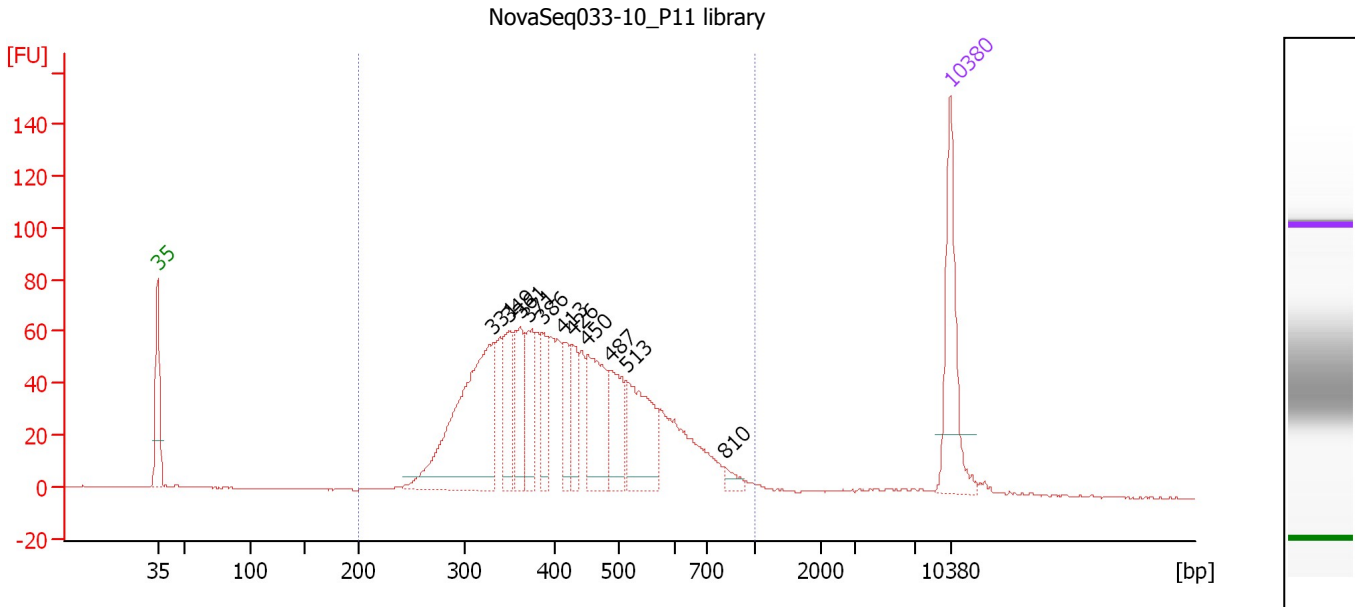
Region table for sample 7 : NovaSeq033 -9 P10 library

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	439	552.11	638.5	2,109.2	89	28.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : NovaSeq033-10 P11 library

Number of peaks found: 11 Corr. Area 1: 1,452.3
 Noise: 0.2

Peak table for sample 8 : NovaSeq033-10 P11 library

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	331	249.46	1,142.4		72.63
3	349	57.08	247.8		74.07
4	361	53.34	224.0		74.99
5	371	54.97	224.8		75.76
6	386	42.94	168.7		76.95
7	413	36.25	132.9		78.85
8	426	34.82	123.9		79.57
9	450	91.92	309.2		80.96
10	487	55.83	173.5		83.07
11	513	93.25	275.4		84.40
12	810	8.84	16.5		93.04
13	10,380	75.00	10.9	Upper Marker	113.00

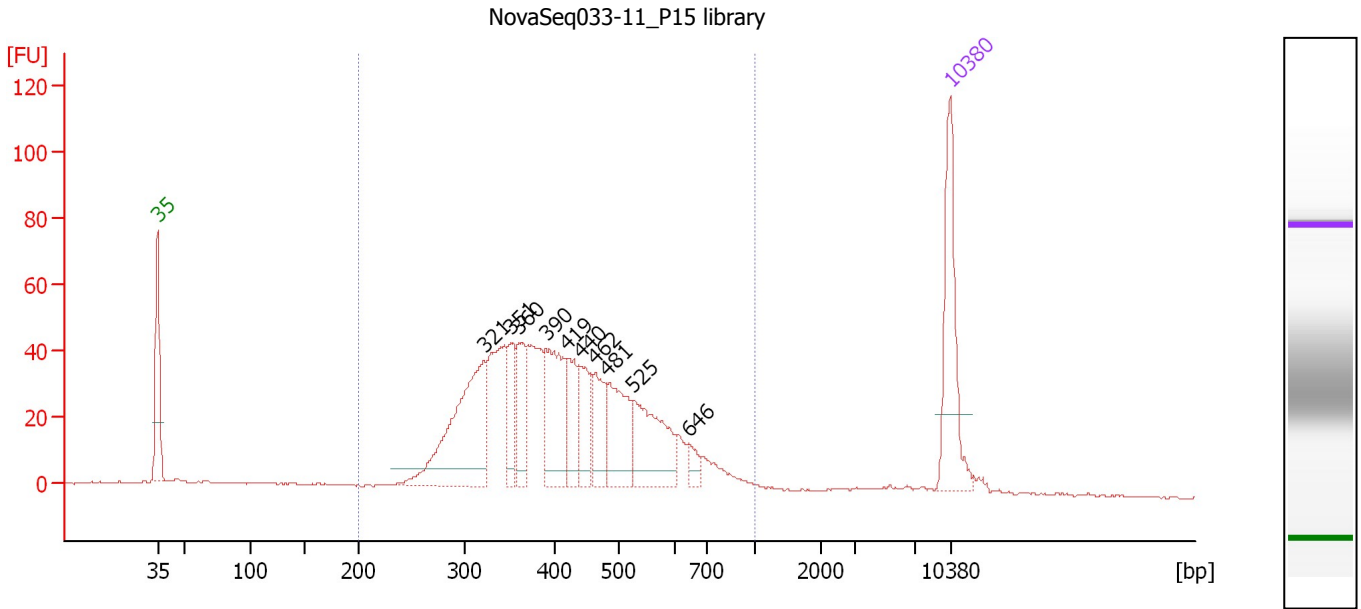
Region table for sample 8 : NovaSeq033-10 P11 library

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	434	1,104.83	1,452.3	4,241.3	96	28.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NovaSeq033-11 P15 library

Number of peaks found: 10 Corr. Area 1: 1,001.3
 Noise: 0.3

Peak table for sample 9 : NovaSeq033-11 P15 library

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	321	176.21	833.0		71.81
3	351	40.19	173.3		74.24
4	360	48.04	202.2		74.92
5	390	86.20	334.9		77.30
6	419	42.61	154.1		79.17
7	440	45.63	157.2		80.36
8	462	43.02	141.2		81.60
9	481	69.88	220.2		82.69
10	525	84.29	243.4		84.97
11	646	11.40	26.7		89.94
12	10,380	75.00	10.9	Upper Marker	113.00

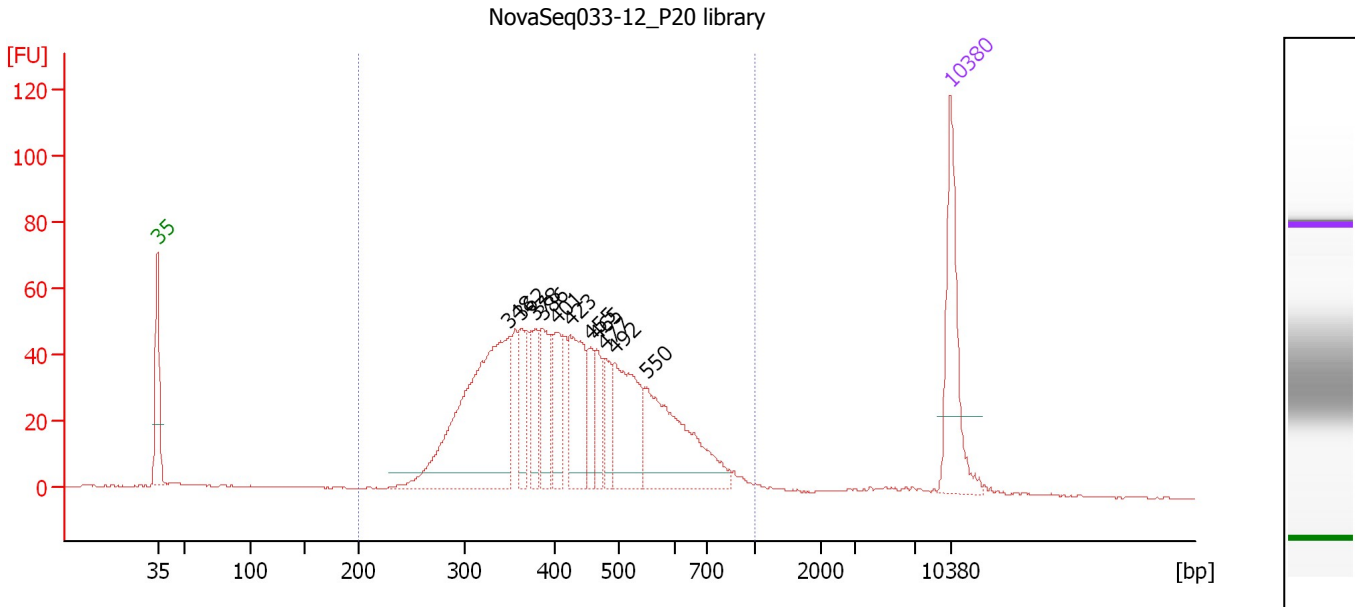
Region table for sample 9 : NovaSeq033-11 P15 library

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	428	925.01	1,001.3	3,592.4	94	28.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : NovaSeq033-12 P20 library

Number of peaks found: 11 Corr. Area 1: 1,154.0
 Noise: 0.2

Peak table for sample 11 : NovaSeq033-12 P20 library

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	348	292.04	1,272.2		73.97
3	362	47.34	197.9		75.12
4	378	39.68	159.2		76.32
5	386	50.60	198.8		76.95
6	401	42.59	160.8		78.16
7	423	79.48	284.5		79.41
8	455	31.93	106.4		81.20
9	465	30.75	100.3		81.77
10	477	30.93	98.3		82.45
11	492	99.63	306.6		83.34
12	550	137.01	377.6		86.17
13	10,380	75.00	10.9	Upper Marker	113.00

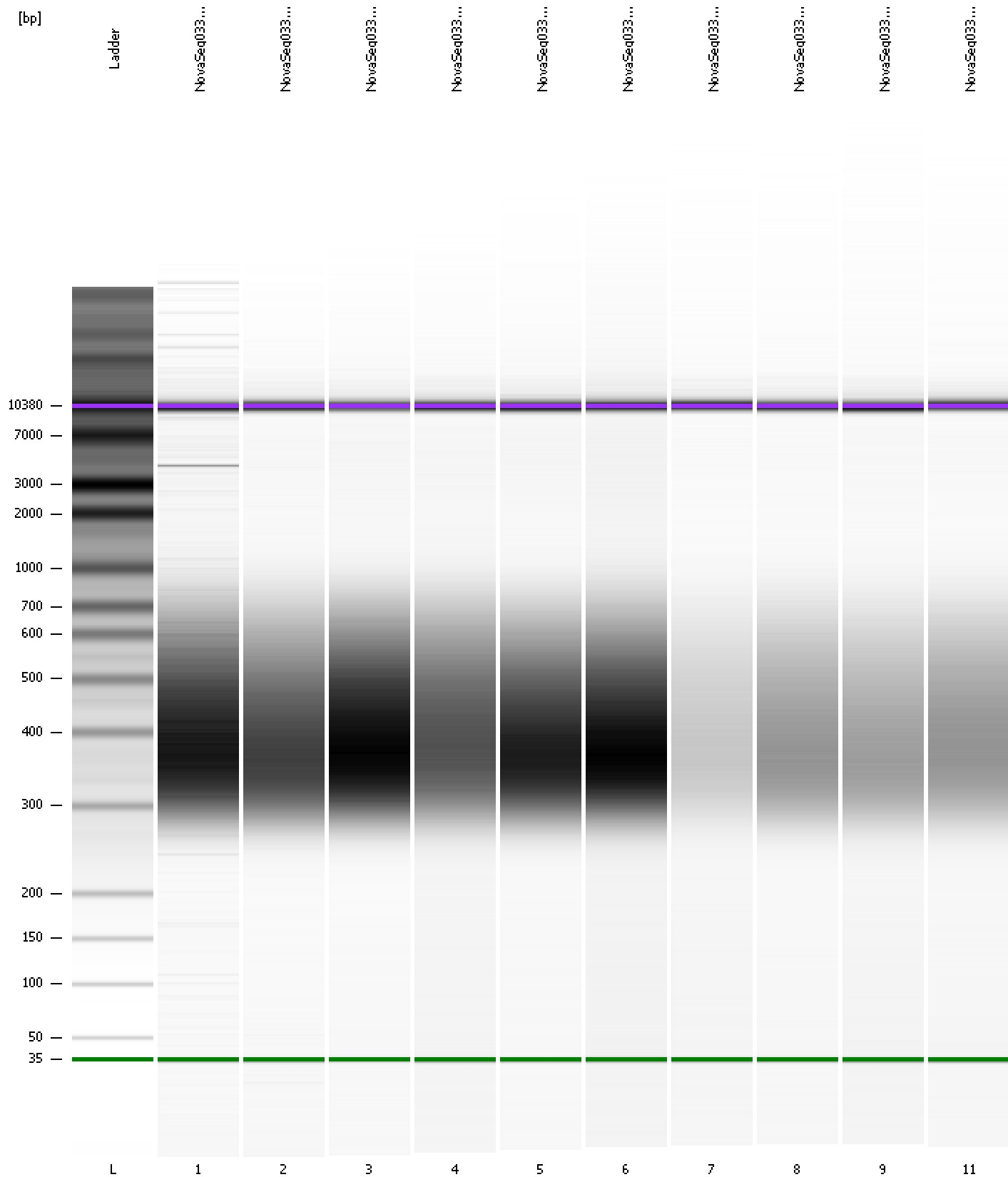
Region table for sample 11 : NovaSeq033-12 P20 library

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	438	1,064.21	1,154.0	4,049.2	94	28.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
Modified: 5/21/2019 9:21:00 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ata\2019-05-20\2019-05-20_002_NovaSeq033_Libraries_3-12.xad

Created: 5/20/2019 4:57:47 PM
 Modified: 5/21/2019 9:21:00 AM

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		5/20/2019 5:39:04 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\2019-05-20\2019-05-20_002.xad)		Instrument	Run		5/20/2019 4:57:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		5/20/2019 4:57:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/20/2019 4:57:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/20/2019 4:57:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		5/20/2019 4:57:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/20/2019 4:57:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/20/2019 4:57:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1