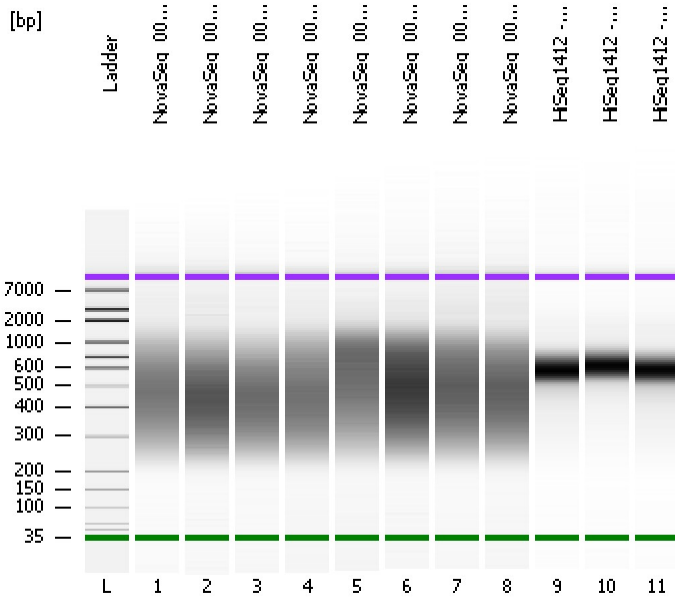


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
Modified: 7/27/2018 11:57:47 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

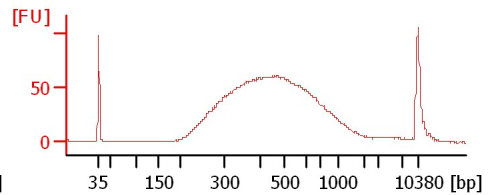
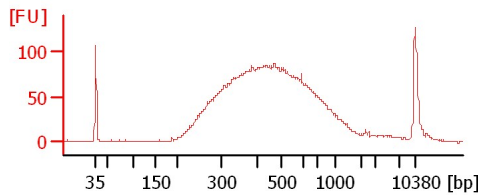
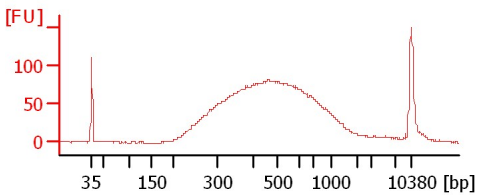
Chip Information:

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

NovaSeq_002 - 8 Lib (1:18)

NovaSeq_002 - 7 Lib (1:18)

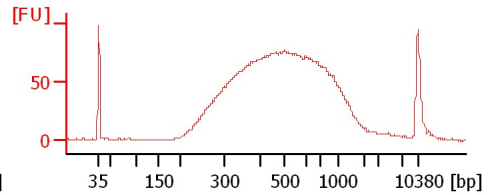
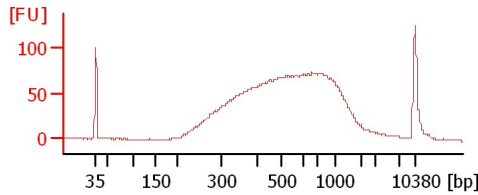
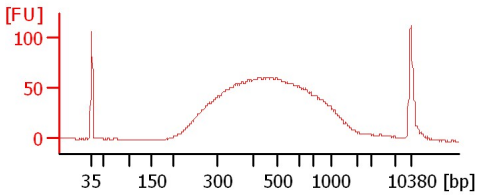
NovaSeq_002 - 6 Lib (1:18)



NovaSeq_002 - 5 Lib (1:37)

NovaSeq_002 - 4 Lib (1:10)

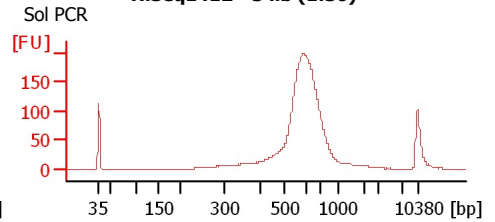
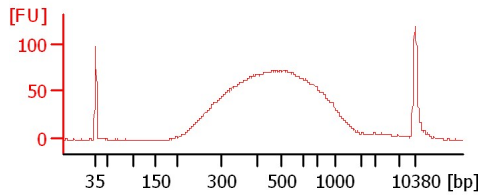
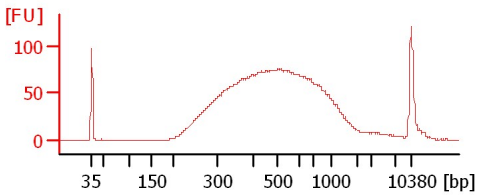
NovaSeq_002 - 3 Lib (1:10)



NovaSeq_002 - 2 Lib (1:18)

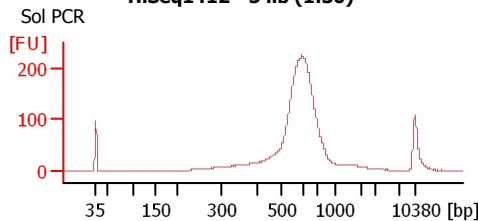
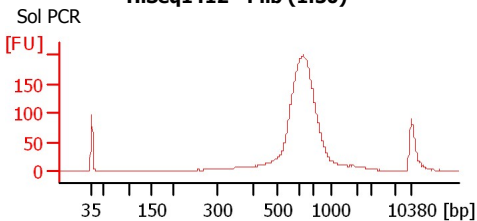
NovaSeq_002 - 1 Lib (1:18)

HiSeq1412 - 3 lib (1:30)



HiSeq1412 - 4 lib (1:30)

HiSeq1412 - 5 lib (1:30)



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
Modified: 7/27/2018 11:57:47 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
NovaSeq_002 - 8 Lib (1:18)		<input type="checkbox"/>	✓			
NovaSeq_002 - 7 Lib (1:18)		<input type="checkbox"/>	✓			
NovaSeq_002 -6 Lib (1:18)		<input type="checkbox"/>	✓			
NovaSeq_002 - 5 Lib (1:37)		<input type="checkbox"/>	✓			
NovaSeq_002 - 4 Lib (1:10)		<input type="checkbox"/>	✓			
NovaSeq_002 - 3 Lib (1:10)		<input type="checkbox"/>	✓			
NovaSeq_002 - 2 Lib (1:18)		<input type="checkbox"/>	✓			
NovaSeq_002 - 1 Lib (1:18)		<input type="checkbox"/>	✓			
HiSeq1412 - 3 lib (1:30)	Sol PCR	<input type="checkbox"/>	✓			
HiSeq1412 -4 lib (1:30)	Sol PCR	<input type="checkbox"/>	✓			
HiSeq1412 - 5 lib (1:30)	Sol PCR	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

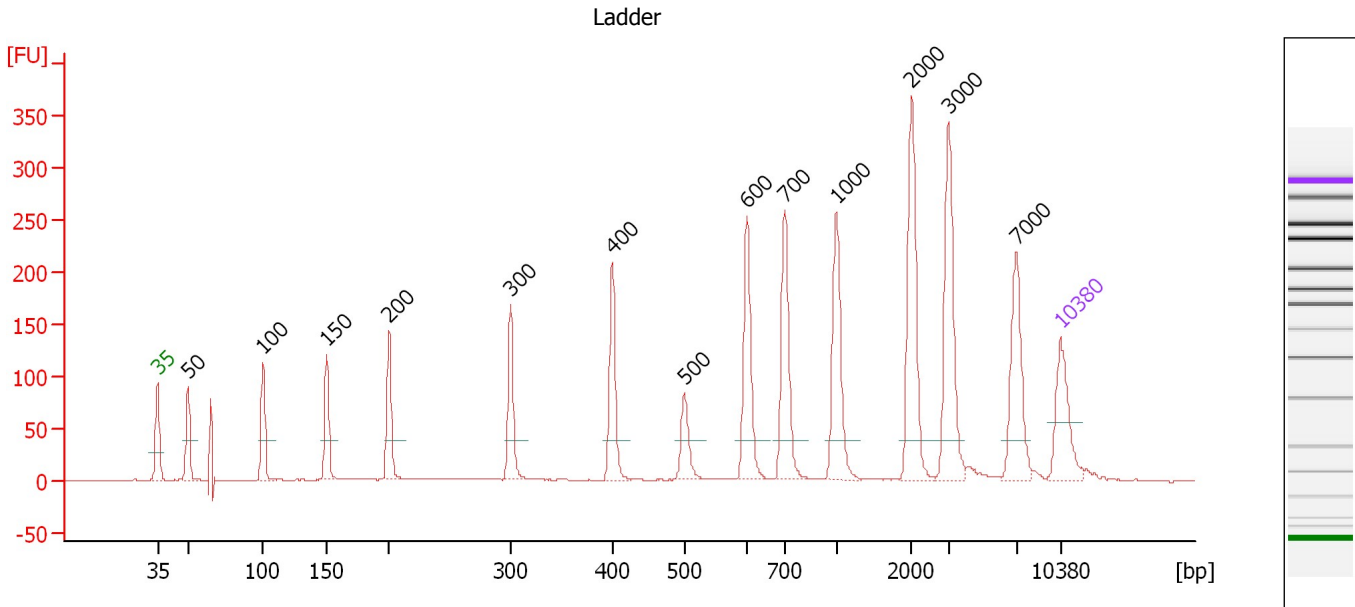
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

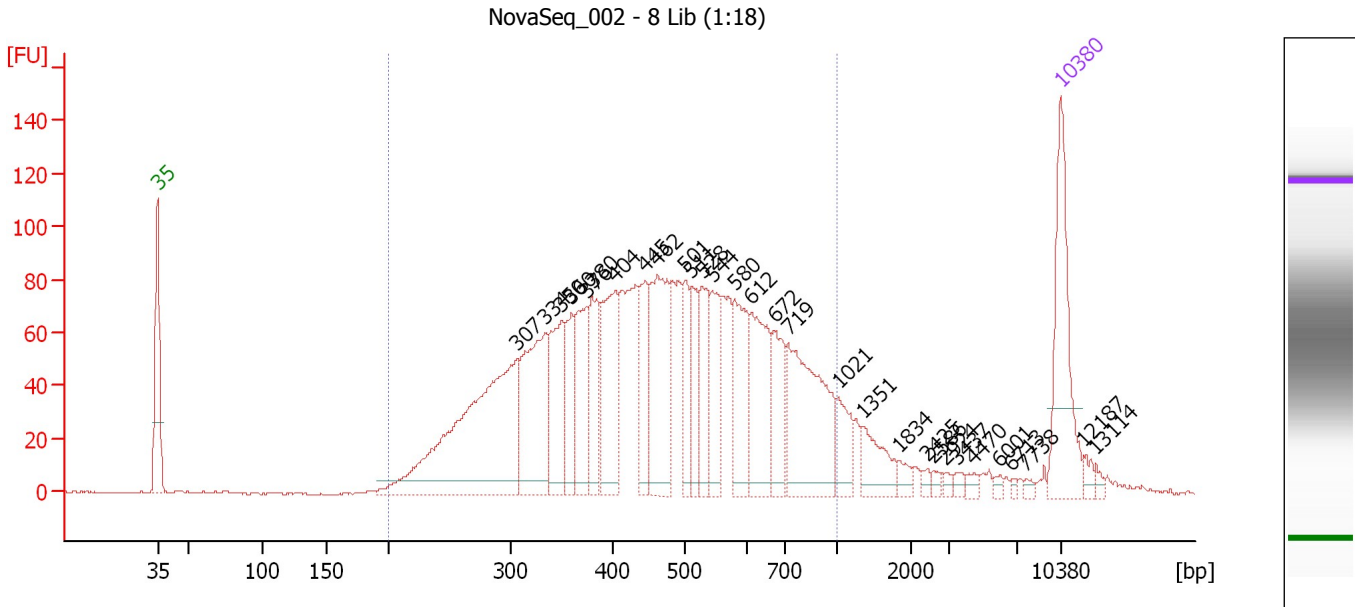
Peak table for Ladder

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	45.35
3	100	150.00	2,272.7	Ladder Peak	51.19
4	150	150.00	1,515.2	Ladder Peak	56.12
5	200	150.00	1,136.4	Ladder Peak	60.95
6	300	150.00	757.6	Ladder Peak	70.38
7	400	150.00	568.2	Ladder Peak	78.25
8	500	150.00	454.5	Ladder Peak	83.87
9	600	150.00	378.8	Ladder Peak	88.70
10	700	150.00	324.7	Ladder Peak	91.65
11	1,000	150.00	227.3	Ladder Peak	95.65
12	2,000	150.00	113.6	Ladder Peak	101.45
13	3,000	150.00	75.8	Ladder Peak	104.35
14	7,000	150.00	32.5	Ladder Peak	109.59
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
 Modified: 7/27/2018 11:57:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : NovaSeq_002 - 8 Lib (1:18)

Number of peaks found: 30 Corr. Area 1: 2,527.3
 Noise: 0.3

Peak table for sample 1 : NovaSeq_002 - 8 Lib (1:18)

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	285.62	1,410.1		70.93
3	334	127.49	578.0		73.07
4	350	71.70	310.2		74.33
5	360	47.36	199.5		75.08
6	376	68.72	277.1		76.34
7	380	55.69	221.8		76.72
8	404	94.00	352.3		78.49
9	445	50.00	170.2		80.78
10	462	109.57	359.0		81.76
11	501	39.08	118.2		83.91
12	511	37.50	111.1		84.42
13	528	53.16	152.6		85.21
14	544	48.25	134.3		86.01
15	580	66.40	173.5		87.74
16	612	78.52	194.5		89.04
17	672	46.91	105.8		90.82
18	719	124.58	262.7		91.89
19	1,021	27.57	40.9		95.77
20	1,351	29.72	33.3		97.68
21	1,834	7.05	5.8		100.48
22	2,425	3.71	2.3		102.68
23	2,586	3.71	2.2		103.15
24	2,924	3.04	1.6		104.13
25	3,437	4.27	1.9		104.92

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
 Modified: 7/27/2018 11:57:47 AM

Electropherogram Summary Continued ...

... Peak table for sample 1 : NovaSeq_002 - 8 Lib (1:18)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,470	4.32	1.5		106.28
27	6,001	2.99	0.8		108.28
28	6,713	2.05	0.5		109.22
29	7,738	2.70	0.5		110.34
30	10,380	75.00	10.9	Upper Marker	113.00
31	12,187	0.00	0.0		114.82
32	13,114	0.00	0.0		115.76

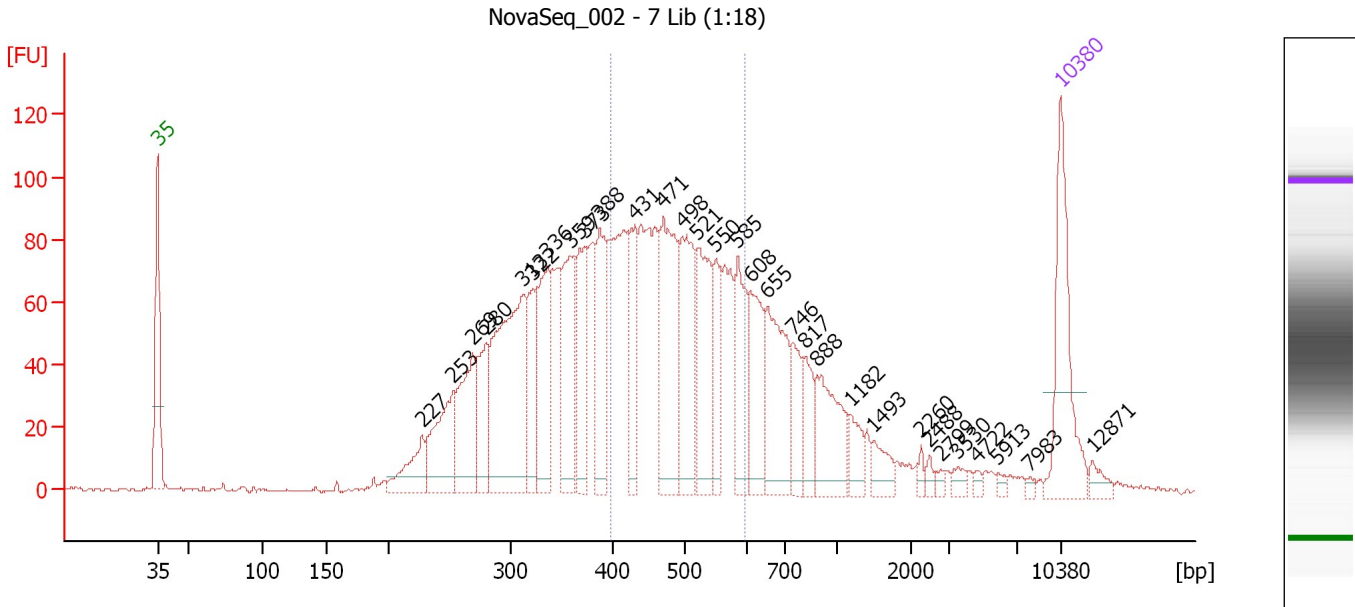
Region table for sample 1 : NovaSeq_002 - 8 Lib (1:18)

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	479	1,664.21	2,527.3	6,206.1	89	34.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
 Modified: 7/27/2018 11:57:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : NovaSeq_002 - 7 Lib (1:18)

Number of peaks found: 31 Corr. Area 1: 1,030.1
 Noise: 0.4

Peak table for sample 2 : NovaSeq_002 - 7 Lib (1:18)

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	227	43.00	286.9		63.51
3	253	83.10	498.2		65.92
4	269	85.21	480.3		67.44
5	280	61.66	333.9		68.48
6	313	206.66	1,001.9		71.37
7	322	52.67	248.2		72.08
8	336	97.63	440.2		73.22
9	359	87.68	370.2		75.02
10	373	76.71	311.8		76.11
11	388	78.06	305.0		77.29
12	431	60.32	212.1		79.99
13	471	127.61	410.9		82.22
14	498	98.51	300.0		83.73
15	521	89.83	261.4		84.87
16	550	43.12	118.8		86.29
17	585	65.33	169.1		87.99
18	608	63.16	157.4		88.94
19	655	91.00	210.6		90.31
20	746	31.95	64.9		92.26
21	817	30.40	56.4		93.20
22	888	59.78	102.0		94.15
23	1,182	19.24	24.7		96.71
24	1,493	16.69	16.9		98.51
25	2,260	4.48	3.0		102.20

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
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Electropherogram Summary Continued ...

... Peak table for sample 2 : NovaSeq_002 - 7 Lib (1:18)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,488	4.47	2.7		102.86
27	2,799	3.36	1.8		103.76
28	3,530	5.90	2.5		105.04
29	4,722	3.05	1.0		106.61
30	5,913	3.04	0.8		108.17
31	7,983	2.33	0.4		110.58
32	10,380	75.00	10.9	Upper Marker	113.00
33	12,871	0.00	0.0		115.51

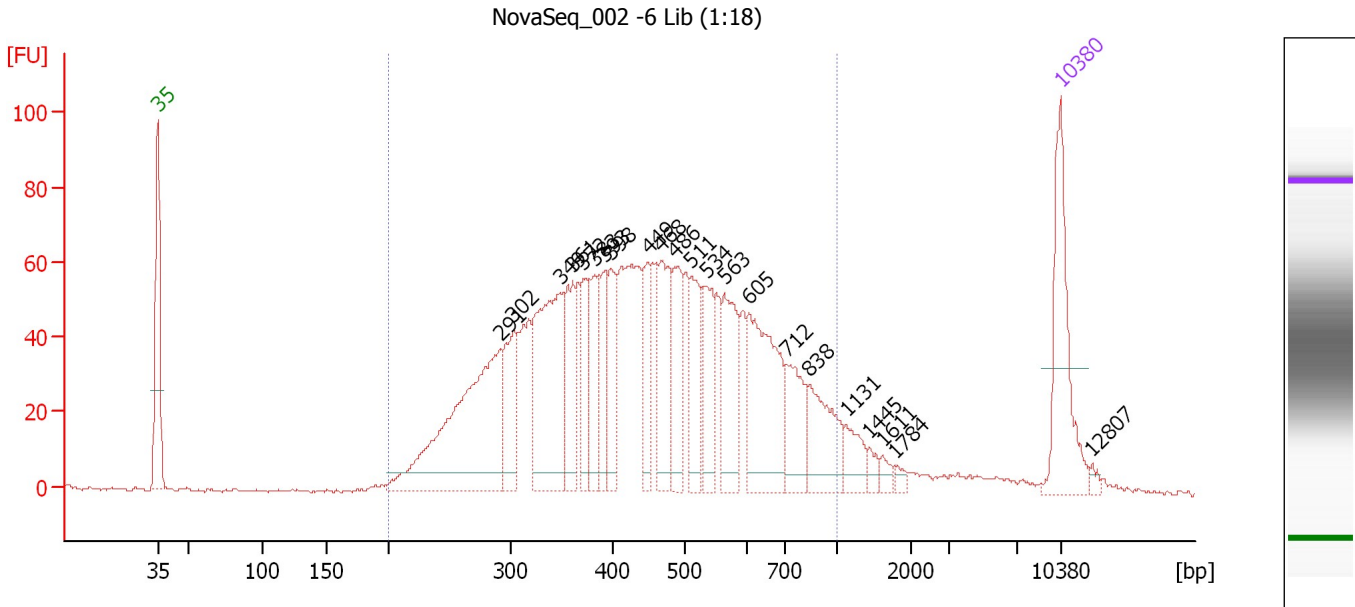
Region table for sample 2 : NovaSeq_002 - 7 Lib (1:18)

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
399	595	489	777.66	1,030.1	2,446.2	36	11.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : NovaSeq_002 -6 Lib (1:18)

Number of peaks found: 22 Corr. Area 1: 1,895.9
 Noise: 0.4

Peak table for sample 3 : NovaSeq_002 -6 Lib (1:18)


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	291	253.00	1,316.0		69.56
3	302	69.98	350.7		70.57
4	349	168.00	730.1		74.21
5	361	64.62	270.9		75.22
6	372	44.89	183.0		76.03
7	383	51.31	203.1		76.90
8	393	44.36	171.2		77.66
9	398	50.87	193.6		78.10
10	449	47.02	158.6		81.02
11	468	72.52	234.8		82.08
12	486	57.63	179.7		83.08
13	511	56.19	166.7		84.38
14	534	54.74	155.2		85.53
15	563	70.67	190.1		86.92
16	605	116.54	292.1		88.84
17	712	50.34	107.1		91.81
18	838	58.03	104.9		93.49
19	1,131	21.88	29.3		96.41
20	1,445	7.30	7.6		98.23
21	1,611	6.72	6.3		99.19
22	1,784	4.40	3.7		100.20
23	10,380	75.00	10.9	Upper Marker	113.00
24	12,807	0.00	0.0		115.45

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
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Electropherogram Summary Continued ...

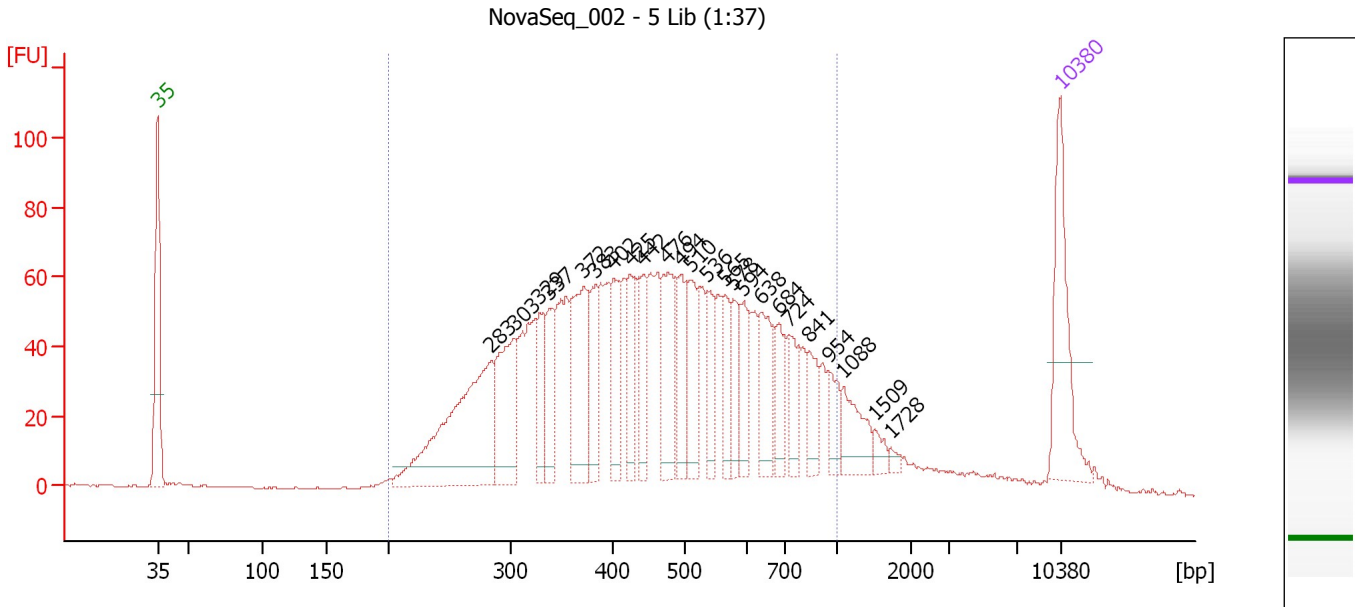
... Region table for sample 3 : NovaSeq_002 -6 Lib (1:18)

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	463	1,747.47	1,895.9	6,688.1	 92	34.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
 Modified: 7/27/2018 11:57:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : NovaSeq_002 - 5 Lib (1:37)

Number of peaks found: 24 Corr. Area 1: 2,018.2
 Noise: 0.4

Peak table for sample 4 : NovaSeq_002 - 5 Lib (1:37)

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	283	228.27	1,220.1		68.82
3	303	107.15	535.6		70.63
4	329	43.73	201.7		72.63
5	337	50.94	228.9		73.31
6	372	99.55	405.5		76.05
7	383	54.94	217.3		76.93
8	402	54.46	205.5		78.34
9	425	47.79	170.4		79.66
10	442	47.21	161.7		80.64
11	476	75.60	240.5		82.54
12	494	51.09	156.8		83.52
13	510	54.84	162.9		84.35
14	536	35.98	101.7		85.62
15	565	36.04	96.6		87.03
16	578	31.95	83.8		87.62
17	594	35.24	89.9		88.40
18	638	49.99	118.8		89.81
19	684	30.37	67.3		91.18
20	724	29.56	61.9		91.96
21	841	31.29	56.4		93.52
22	954	23.80	37.8		95.04
23	1,088	37.44	52.1		96.16
24	1,509	8.98	9.0		98.60
25	1,728	3.99	3.5		99.87

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
Modified: 7/27/2018 11:57:47 AM

Electropherogram Summary Continued ...**... Peak table for sample 4 : NovaSeq_002 - 5 Lib (1:37)**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00

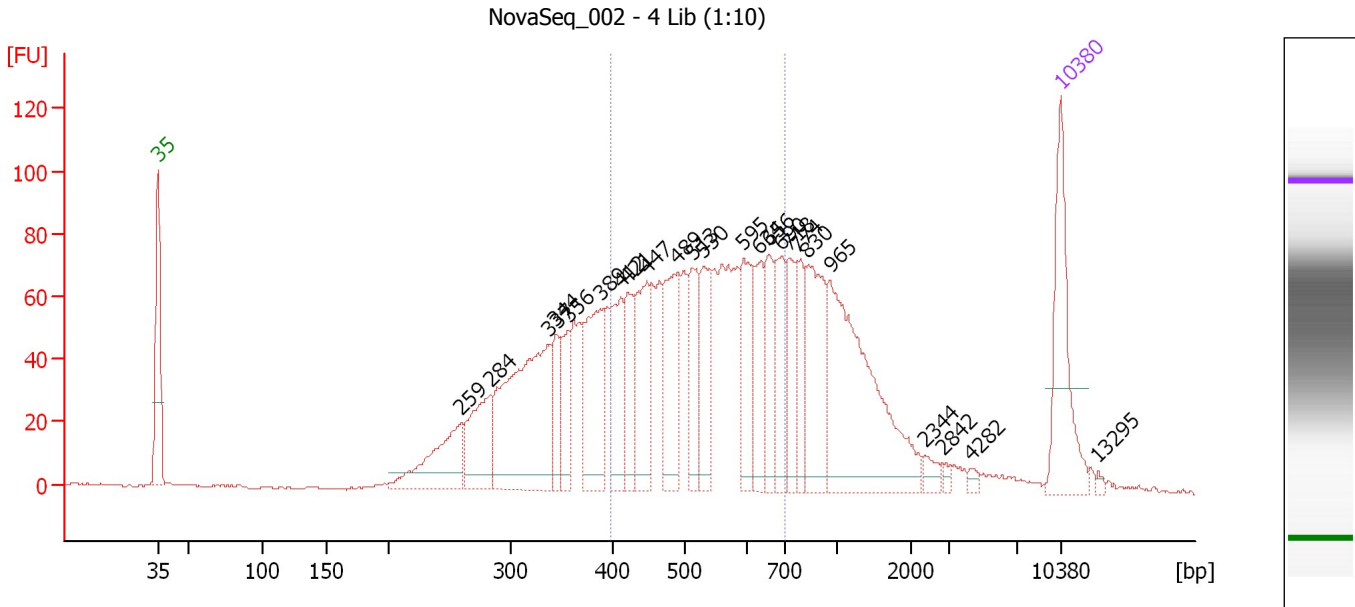
Region table for sample 4 : NovaSeq_002 - 5 Lib (1:37)

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	476	1,883.76	2,018.2	7,109.8	91	35.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
 Modified: 7/27/2018 11:57:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : NovaSeq_002 - 4 Lib (1:10)

Number of peaks found: 24 Corr. Area 1: 1,131.4
 Noise: 0.4

Peak table for sample 5 : NovaSeq_002 - 4 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	259	86.35	504.4		66.55
3	284	80.34	429.1		68.84
4	337	214.92	967.2		73.27
5	344	37.07	163.1		73.87
6	356	40.17	170.8		74.81
7	389	95.71	373.2		77.35
8	412	64.91	238.5		78.95
9	421	51.04	183.6		79.44
10	447	77.77	263.7		80.89
11	489	82.91	256.6		83.28
12	513	56.49	167.0		84.47
13	530	58.79	168.1		85.32
14	595	60.83	154.9		88.46
15	634	54.47	130.2		89.70
16	656	46.54	107.5		90.35
17	690	52.88	116.2		91.34
18	718	49.08	103.5		91.89
19	774	41.05	80.3		92.64
20	830	92.24	168.3		93.38
21	965	197.12	309.6		95.18
22	2,344	9.02	5.8		102.45
23	2,842	3.46	1.8		103.89
24	4,282	4.02	1.4		106.03
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
 Modified: 7/27/2018 11:57:47 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : NovaSeq_002 - 4 Lib (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,295	0.00	0.0		115.94

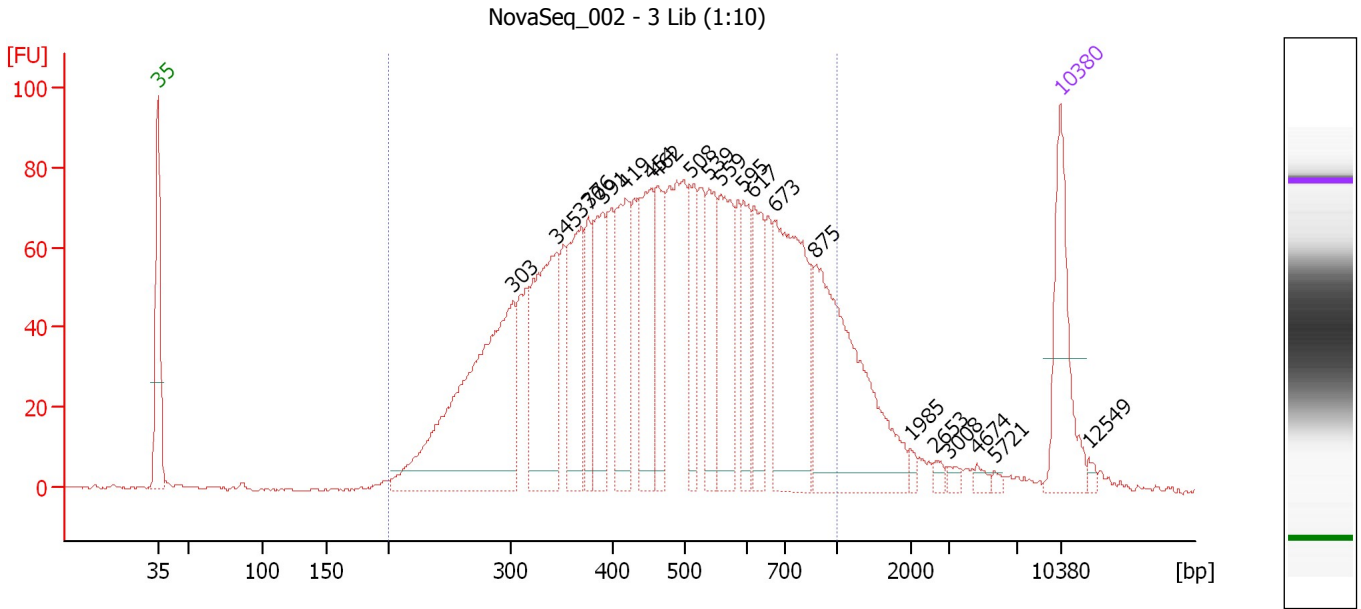
Region table for sample 5 : NovaSeq_002 - 4 Lib (1:10)

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
399	703	534	863.10	1,131.4	2,527.3	44	15.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : NovaSeq_002 - 3 Lib (1:10)

Number of peaks found: 21 Corr. Area 1: 2,403.8
 Noise: 0.4

Peak table for sample 6 : NovaSeq_002 - 3 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	303	358.96	1,796.2		70.60
3	345	185.60	814.1		73.96
4	370	104.67	428.6		75.89
5	376	58.91	237.1		76.40
6	391	89.81	348.3		77.52
7	419	113.27	410.0		79.30
8	454	114.63	382.7		81.28
9	462	73.90	242.3		81.74
10	508	67.01	199.7		84.28
11	539	75.23	211.5		85.75
12	559	107.02	290.1		86.72
13	595	55.39	141.1		88.45
14	617	71.51	175.5		89.21
15	673	189.12	426.1		90.84
16	875	219.62	380.1		93.99
17	1,985	5.00	3.8		101.36
18	2,653	4.74	2.7		103.34
19	3,008	5.35	2.7		104.36
20	4,674	5.04	1.6		106.54
21	5,721	3.20	0.8		107.92
22	10,380	75.00	10.9	Upper Marker	113.00
23	12,549	0.00	0.0		115.19

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
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Electropherogram Summary Continued ...

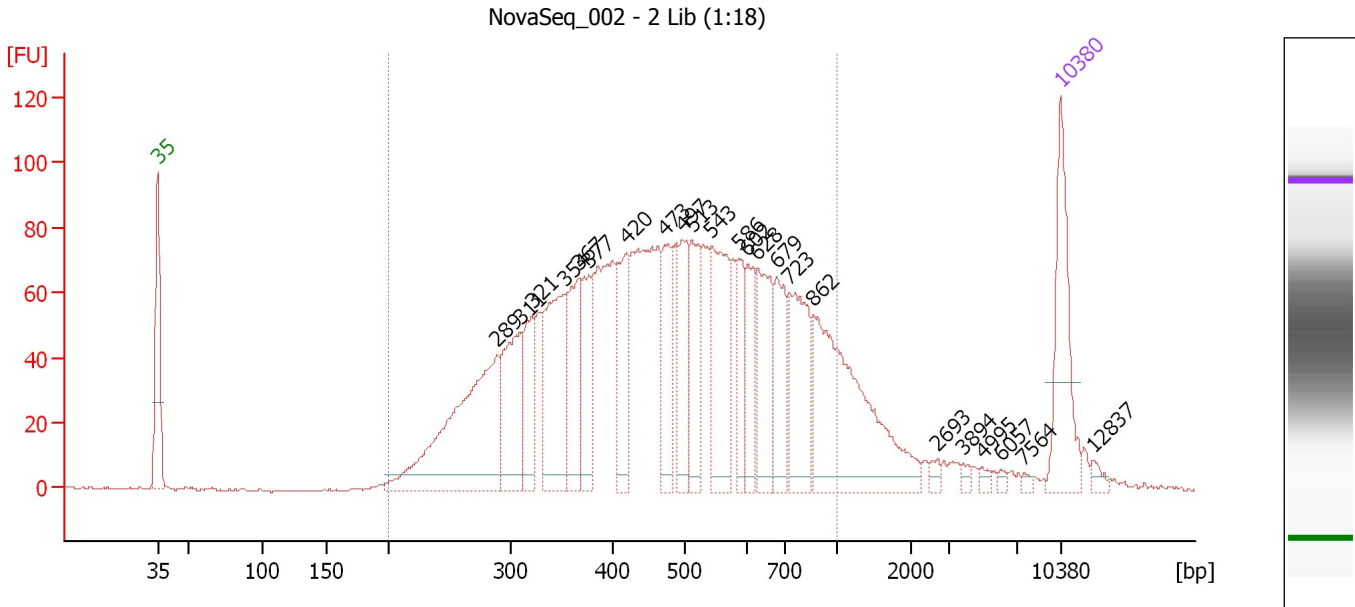
... Region table for sample 6 : NovaSeq_002 - 3 Lib (1:10)

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	494	2,330.88	2,403.8	8,484.0	 90	35.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : NovaSeq_002 - 2 Lib (1:18)

Number of peaks found: 23 Corr. Area 1: 2,381.1
 Noise: 0.3

Peak table for sample 7 : NovaSeq_002 - 2 Lib (1:18)

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	289	259.58	1,360.2		69.36
3	311	106.92	521.6		71.22
4	321	68.06	321.2		72.04
5	354	138.43	592.7		74.62
6	367	82.69	341.4		75.65
7	377	63.82	256.2		76.48
8	420	73.04	263.6		79.37
9	473	74.07	237.2		82.36
10	497	69.84	212.9		83.70
11	513	67.98	201.0		84.47
12	543	110.24	307.3		85.97
13	586	43.19	111.6		88.03
14	602	44.49	112.0		88.76
15	628	76.74	185.1		89.53
16	679	61.97	138.3		91.03
17	723	94.41	197.8		91.95
18	862	205.10	360.4		93.81
19	2,693	5.22	2.9		103.46
20	3,894	4.53	1.8		105.52
21	4,995	4.07	1.2		106.96
22	6,057	3.30	0.8		108.36
23	7,564	2.66	0.5		110.16
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,837	0.00	0.0		115.48

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

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Electropherogram Summary Continued ...

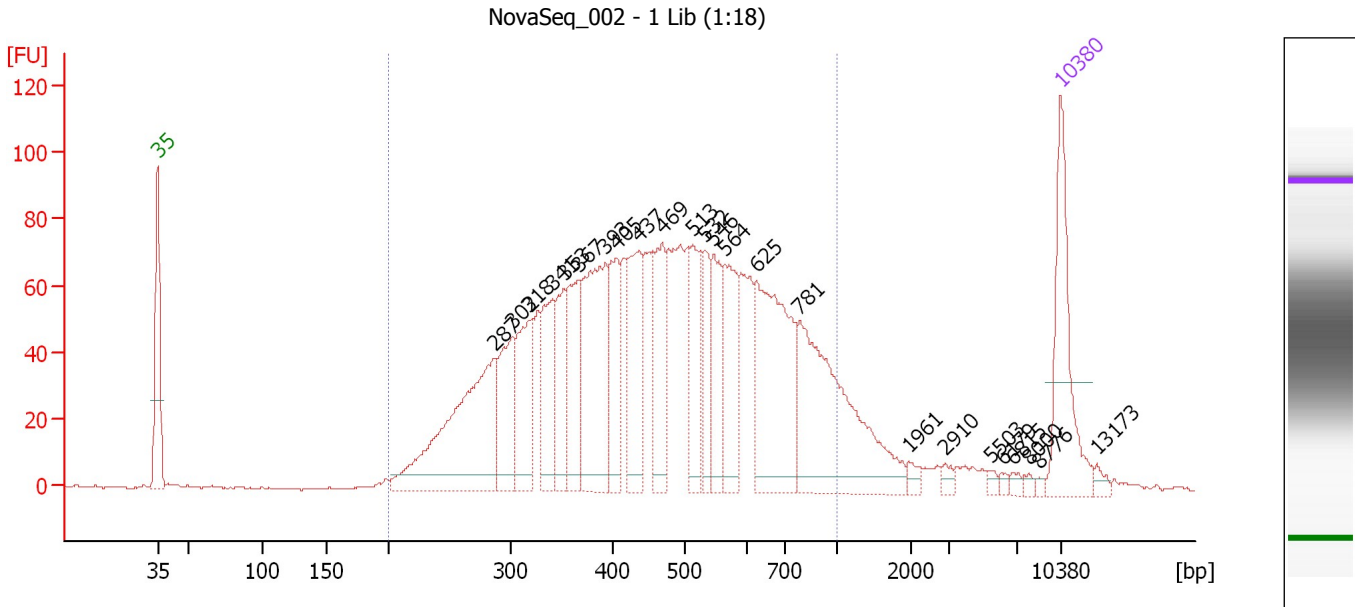
... Region table for sample 7 : NovaSeq_002 - 2 Lib (1:18)

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	491	2,060.15	2,381.1	7,541.4	 89	35.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : NovaSeq_002 - 1 Lib (1:18)

Number of peaks found: 24 Corr. Area 1: 2,250.7
 Noise: 0.4

Peak table for sample 8 : NovaSeq_002 - 1 Lib (1:18)

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	287	219.06	1,158.3		69.11
3	302	73.16	367.4		70.52
4	318	79.62	379.8		71.77
5	341	72.32	320.9		73.65
6	353	60.01	257.3		74.59
7	367	83.07	343.3		75.63
8	393	140.86	542.9		77.71
9	405	63.05	235.7		78.55
10	437	85.82	297.7		80.32
11	469	70.93	229.0		82.14
12	513	64.46	190.4		84.49
13	532	44.26	126.0		85.43
14	546	55.12	152.9		86.10
15	564	73.12	196.6		86.94
16	625	154.02	373.3		89.44
17	781	192.13	372.8		92.72
18	1,961	6.33	4.9		101.22
19	2,910	4.88	2.5		104.09
20	5,503	3.52	1.0		107.63
21	6,179	2.83	0.7		108.52
22	6,815	3.54	0.8		109.35
23	8,000	3.02	0.6		110.60
24	8,776	2.05	0.4		111.38
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : NovaSeq_002 - 1 Lib (1:18)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,173	0.00	0.0		115.81

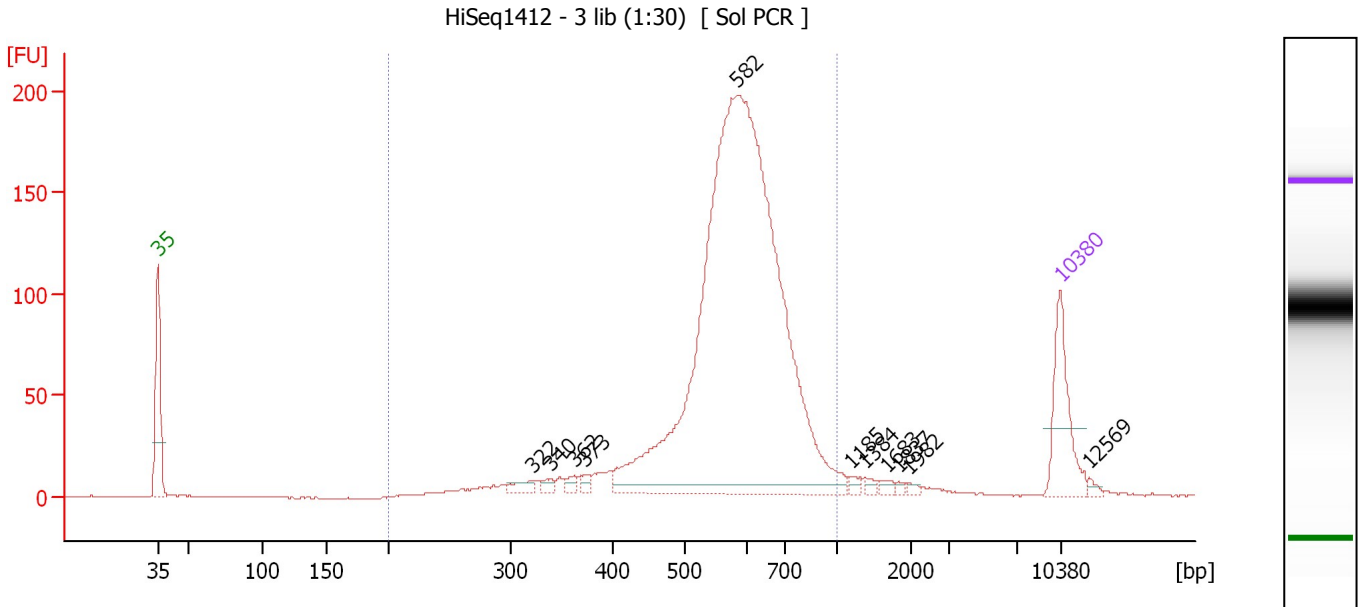
Region table for sample 8 : NovaSeq_002 - 1 Lib (1:18)

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	482	1,810.60	2,250.7	6,714.2	 90	34.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : HiSeq1412 - 3 lib (1:30)

Number of peaks found: 11 Corr. Area 1: 1,799.8
 Noise: 0.4

Peak table for sample 9 : HiSeq1412 - 3 lib (1:30)

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	322	15.74	74.1		72.09
3	340	8.68	38.6		73.56
4	362	10.62	44.4		75.30
5	373	8.69	35.3		76.14
6	582	1,321.66	3,438.8		87.85
7	1,185	7.08	9.0		96.72
8	1,384	5.18	5.7		97.88
9	1,683	5.85	5.3		99.61
10	1,837	3.40	2.8		100.50
11	1,982	3.93	3.0		101.34
12	10,380	75.00	10.9	Upper Marker	113.00
13	12,569	0.00	0.0		115.21

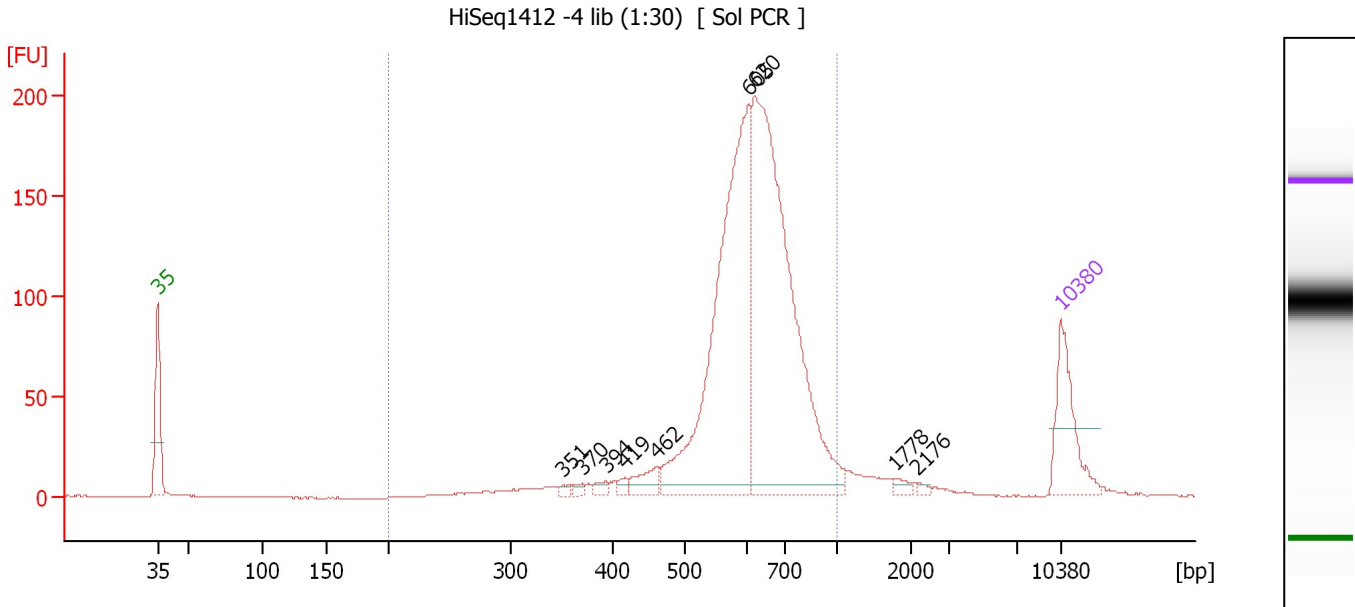
Region table for sample 9 : HiSeq1412 - 3 lib (1:30)

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	585	1,519.01	1,799.8	4,234.4	92	20.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : HiSeq1412 -4 lib (1:30)

Number of peaks found: 9 Corr. Area 1: 1,606.9
 Noise: 0.4

Peak table for sample 10 : HiSeq1412 -4 lib (1:30)

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	351	6.14	26.5		74.38
3	370	6.22	25.4		75.91
4	394	9.48	36.5		77.76
5	419	8.75	31.7		79.29
6	462	28.72	94.2		81.72
7	605	533.72	1,336.0		88.86
8	620	632.78	1,547.2		89.28
9	1,778	8.28	7.1		100.16
10	2,176	3.79	2.6		101.96
11	10,380	75.00	10.9	Upper Marker	113.00

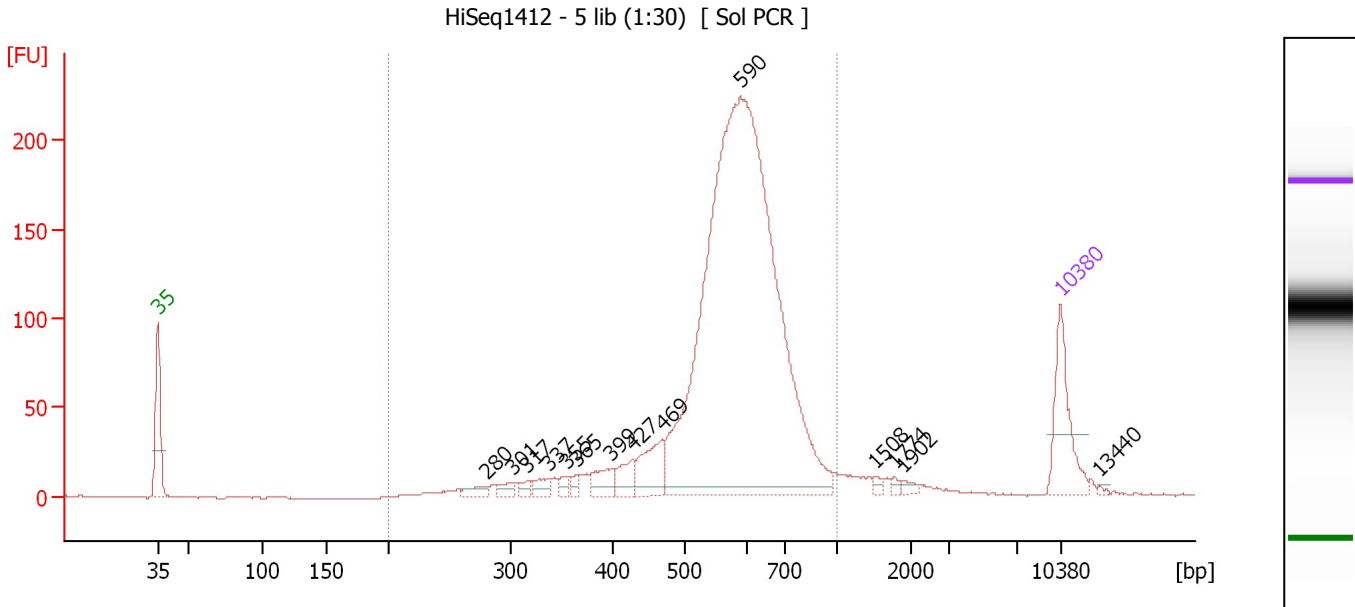
Region table for sample 10 : HiSeq1412 -4 lib (1:30)

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	621	1,328.90	1,606.9	3,442.5	92	18.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : HiSeq1412 - 5 lib (1:30)

Number of peaks found: 14 Corr. Area 1: 1,966.1
 Noise: 0.4

Peak table for sample 11 : HiSeq1412 - 5 lib (1:30)

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	280	17.37	94.1		68.46
3	301	15.06	75.8		70.48
4	317	10.83	51.8		71.70
5	337	17.68	79.5		73.30
6	355	11.83	50.6		74.68
7	365	9.98	41.4		75.53
8	399	31.64	120.1		78.19
9	427	30.07	106.6		79.78
10	469	65.15	210.5		82.12
11	590	1,350.08	3,465.3		88.23
12	1,508	4.54	4.6		98.60
13	1,774	4.02	3.4		100.14
14	1,902	5.34	4.3		100.88
15	10,380	75.00	10.9	Upper Marker	113.00
16	13,440	0.00	0.0		116.08

Region table for sample 11 : HiSeq1412 - 5 lib (1:30)

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	580	1,677.14	1,966.1	4,703.5	92	19.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-27\2018-07-27_001.xad

Created: 7/27/2018 10:08:23 AM
Modified: 7/27/2018 11:57:47 AM

Gel Image

