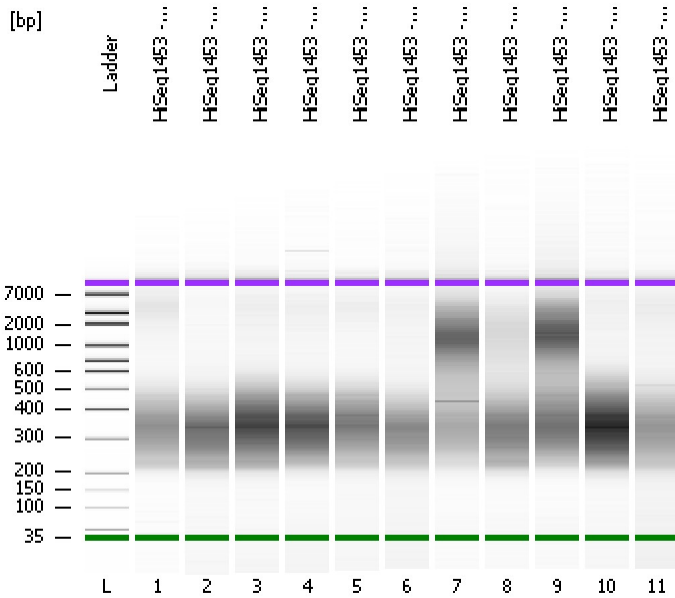


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
Modified: 8/15/2018 2:31:39 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

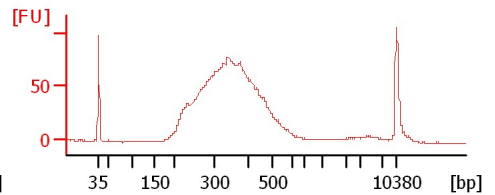
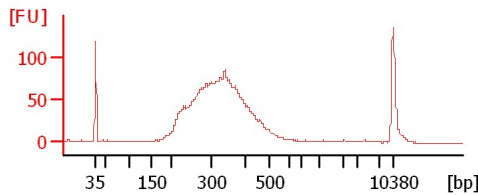
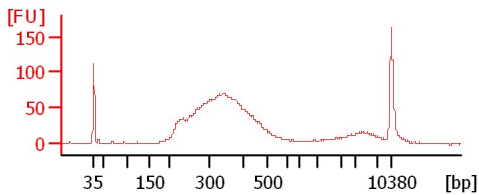
Chip Information:

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

HiSeq1453 - 1 library

HiSeq1453 - 2 library

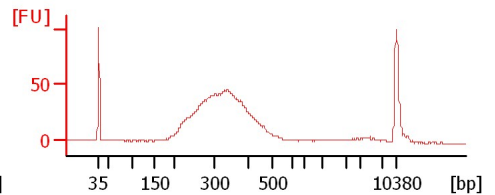
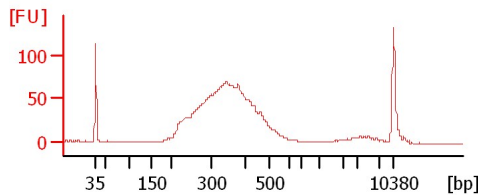
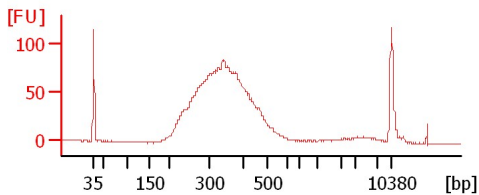
HiSeq1453 - 3 library



HiSeq1453 - 4 library

HiSeq1453 - 5 library

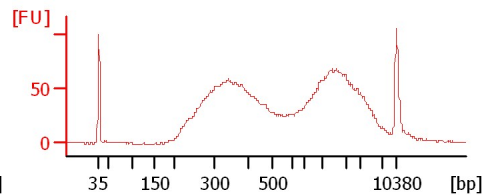
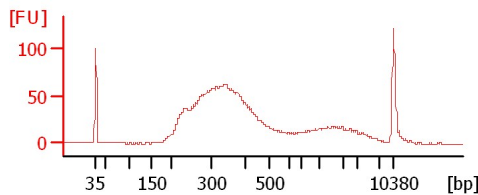
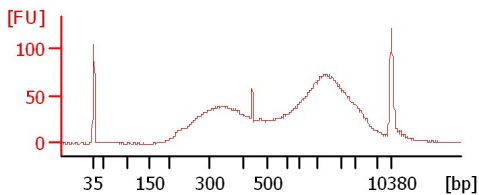
HiSeq1453 - 6 library



HiSeq1453 - 7 library

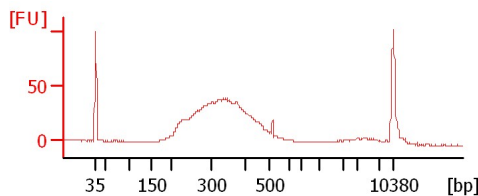
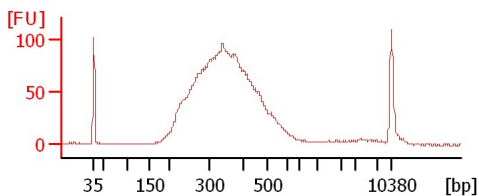
HiSeq1453 - 8 library

HiSeq1453 - 9 library



HiSeq1453 - 10 library

HiSeq1453 - 11 library



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
Modified: 8/15/2018 2:31:39 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HiSeq1453 - 1 library		<input type="checkbox"/>	✓			
HiSeq1453 - 2 library		<input type="checkbox"/>	✓			
HiSeq1453 - 3 library		<input type="checkbox"/>	✓			
HiSeq1453 - 4 library		<input type="checkbox"/>	✓			
HiSeq1453 - 5 library		<input type="checkbox"/>	✓			
HiSeq1453 - 6 library		<input type="checkbox"/>	✓			
HiSeq1453 - 7 library		<input type="checkbox"/>	✓			
HiSeq1453 - 8 library		<input type="checkbox"/>	✓			
HiSeq1453 - 9 library		<input type="checkbox"/>	✓			
HiSeq1453 - 10 library		<input type="checkbox"/>	✓			
HiSeq1453 - 11 library		<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\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
Modified: 8/15/2018 2:31:39 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

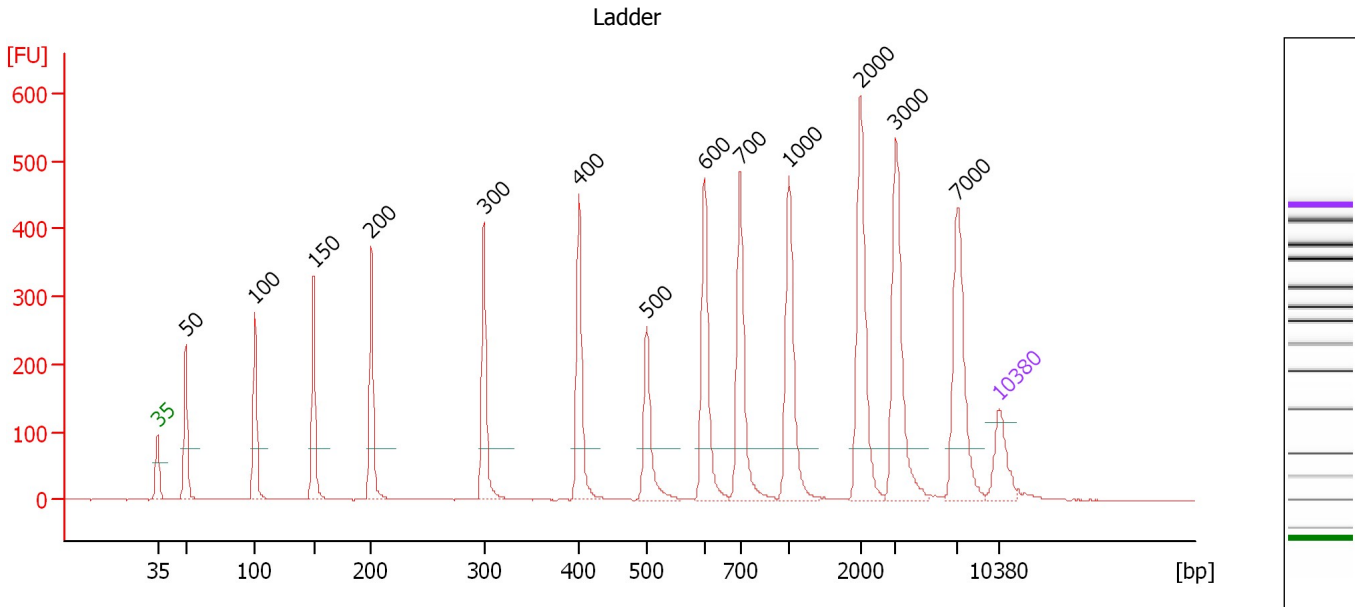
**Ladder**

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\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

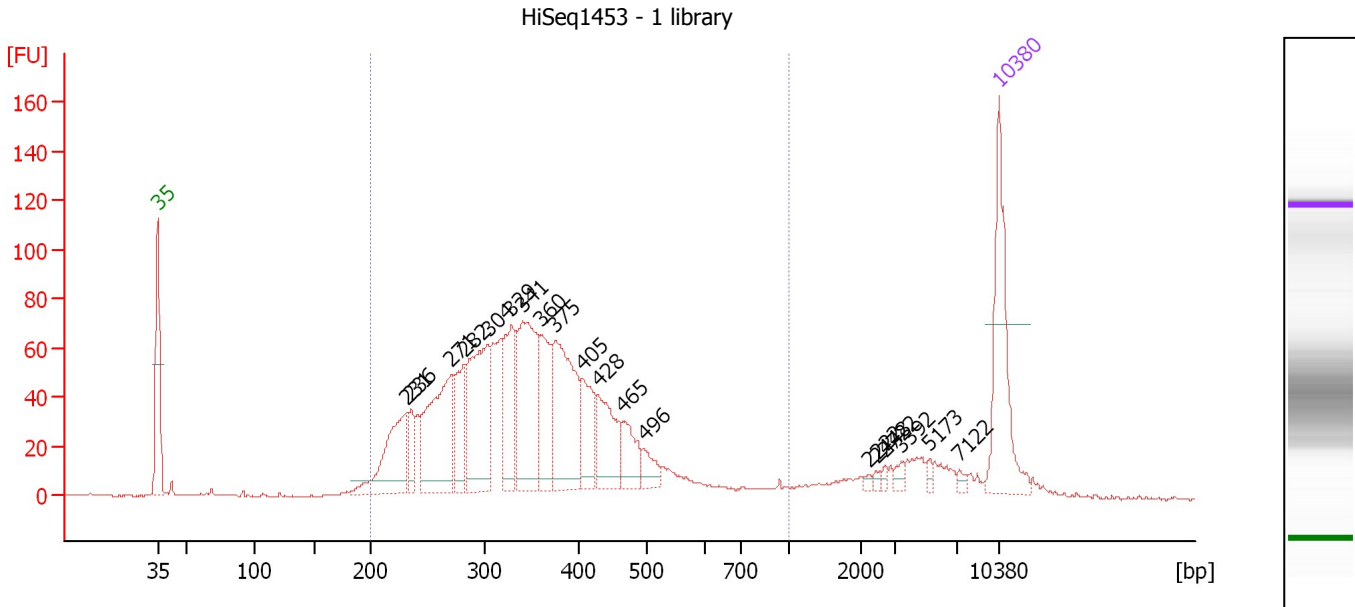
**Peak table for Ladder**

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	45.34
3	100	150.00	2,272.7	Ladder Peak	51.08
4	150	150.00	1,515.2	Ladder Peak	56.00
5	200	150.00	1,136.4	Ladder Peak	60.78
6	300	150.00	757.6	Ladder Peak	70.15
7	400	150.00	568.2	Ladder Peak	78.05
8	500	150.00	454.5	Ladder Peak	83.70
9	600	150.00	378.8	Ladder Peak	88.47
10	700	150.00	324.7	Ladder Peak	91.46
11	1,000	150.00	227.3	Ladder Peak	95.50
12	2,000	150.00	113.6	Ladder Peak	101.47
13	3,000	150.00	75.8	Ladder Peak	104.36
14	7,000	150.00	32.5	Ladder Peak	109.51
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : HiSeq1453 - 1 library**

Number of peaks found: 19                      Corr. Area 1: 1,625.7  
 Noise: 0.5

**Peak table for sample 1 : HiSeq1453 - 1 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	231	95.07	624.3		63.65
3	236	26.31	169.1		64.12
4	271	132.35	741.0		67.39
5	282	51.87	278.6		68.47
6	304	125.71	626.2		70.48
7	329	69.72	321.0		72.44
8	341	122.92	546.4		73.37
9	360	61.47	258.9		74.87
10	375	118.01	476.6		76.08
11	405	47.15	176.4		78.33
12	428	55.60	196.8		79.64
13	465	32.26	105.2		81.69
14	496	16.95	51.8		83.47
15	2,222	2.21	1.5		102.11
16	2,448	2.26	1.4		102.77
17	2,722	2.96	1.7		103.56
18	3,392	4.66	2.1		104.87
19	5,173	3.70	1.1		107.16
20	7,122	3.42	0.7		109.64
21	10,380	75.00	10.9	Upper Marker	113.00

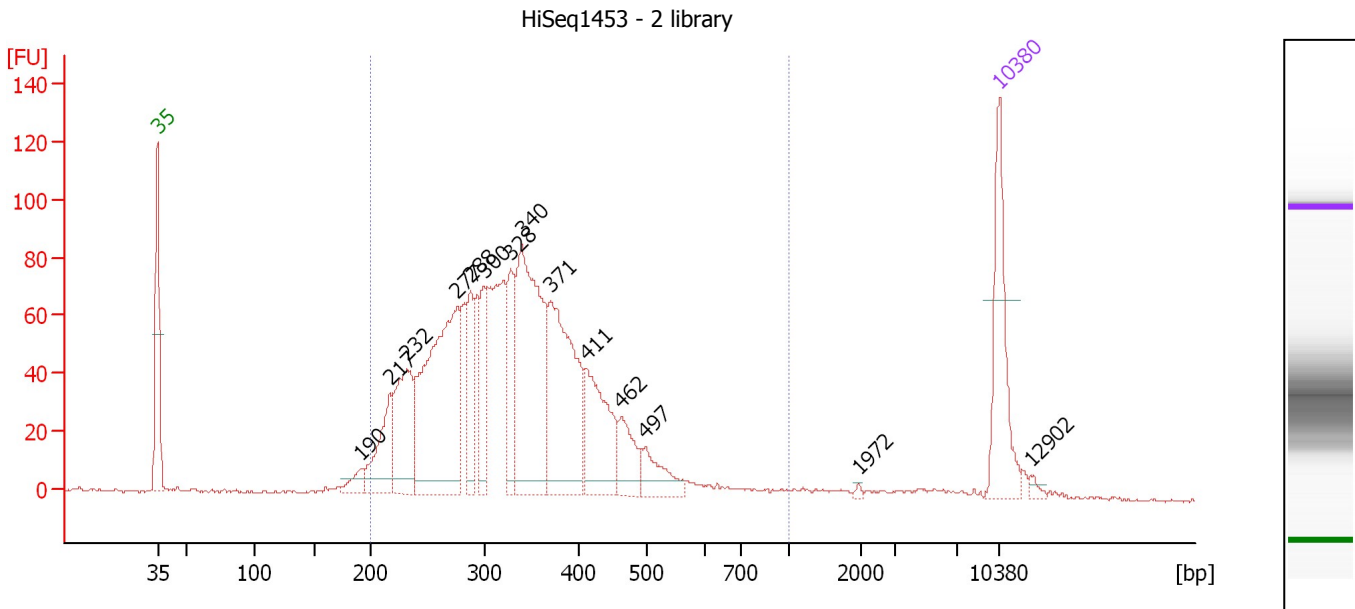
**Region table for sample 1 : HiSeq1453 - 1 library**

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	356	1,171.86	1,625.7	5,484.7	88	29.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : HiSeq1453 - 2 library**

Number of peaks found: 14                      Corr. Area 1: 1,728.6  
 Noise: 0.6

**Peak table for sample 2 : HiSeq1453 - 2 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	190	17.72	141.0		59.86
3	217	73.61	515.1		62.32
4	232	106.12	692.5		63.79
5	277	280.24	1,534.7		67.96
6	288	56.77	298.4		69.05
7	300	61.76	312.0		70.14
8	328	62.06	286.6		72.36
9	340	245.71	1,094.7		73.31
10	371	186.20	761.2		75.73
11	411	101.22	373.2		78.66
12	462	42.95	140.8		81.55
13	497	34.90	106.3		83.54
14	1,972	1.62	1.2		101.30
15	10,380	75.00	10.9	Upper Marker	113.00
16	12,902	0.00	0.0		115.60

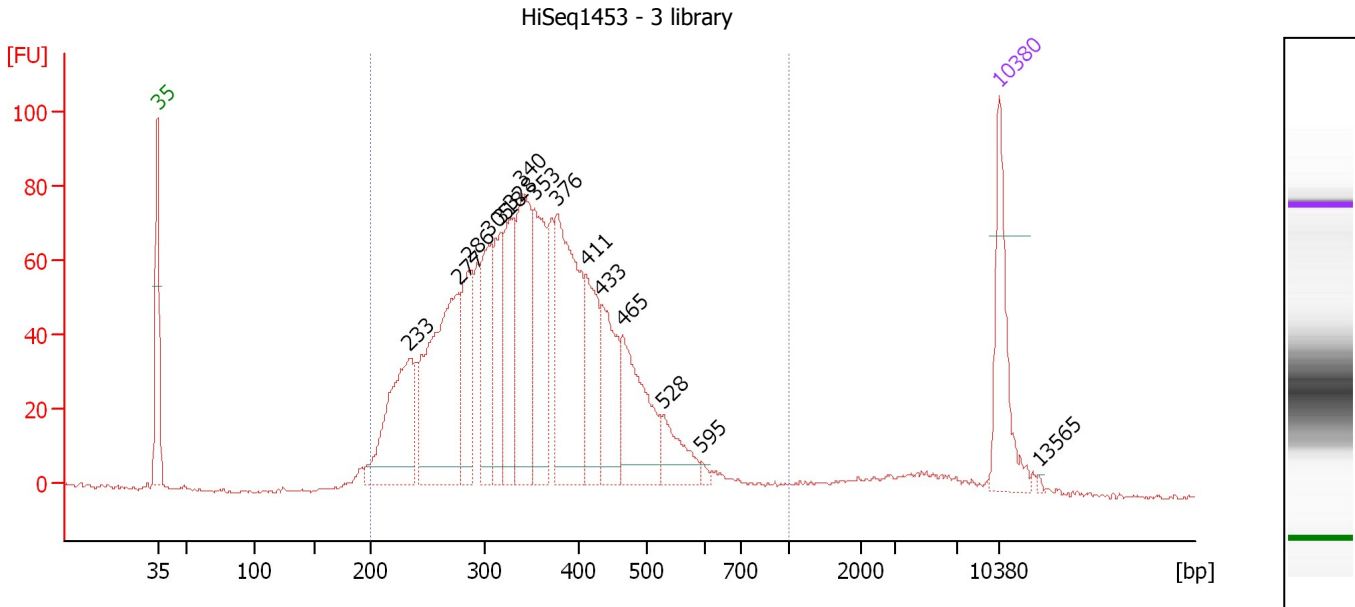
**Region table for sample 2 : HiSeq1453 - 2 library**

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	339	1,490.98	1,728.6	7,223.9	96	26.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : HiSeq1453 - 3 library**

Number of peaks found: 15                      Corr. Area 1: 1,797.9  
 Noise: 0.5

**Peak table for sample 3 : HiSeq1453 - 3 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	233	175.06	1,139.3		63.85
3	277	262.68	1,435.7		68.01
4	286	103.08	546.1		68.83
5	305	111.54	554.4		70.53
6	318	93.43	445.6		71.54
7	328	107.51	496.5		72.36
8	340	162.68	725.6		73.28
9	353	139.49	598.4		74.35
10	376	222.87	897.0		76.19
11	411	94.72	349.4		78.65
12	433	90.76	317.6		79.91
13	465	121.98	397.7		81.70
14	528	43.60	125.1		85.04
15	595	4.37	11.1		88.23
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,565	0.00	0.0		116.29

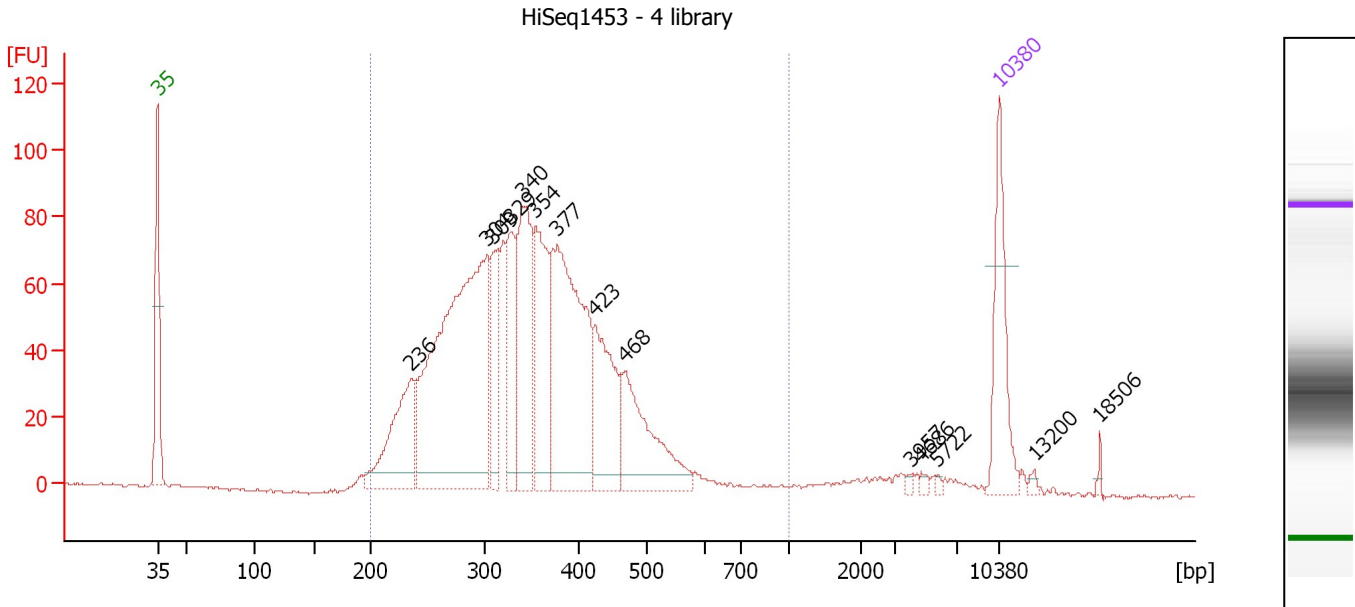
**Region table for sample 3 : HiSeq1453 - 3 library**

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	360	1,964.93	1,797.9	9,049.6	95	27.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : HiSeq1453 - 4 library**

Number of peaks found: 14                      Corr. Area 1: 1,716.1  
 Noise: 0.5

**Peak table for sample 4 : HiSeq1453 - 4 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	236	132.97	854.5		64.13
3	304	514.39	2,565.3		70.45
4	309	77.03	377.9		70.84
5	329	101.09	465.8		72.42
6	340	163.53	728.6		73.31
7	354	140.57	600.9		74.45
8	377	301.19	1,210.7		76.22
9	423	116.54	417.7		79.33
10	468	129.85	420.2		81.90
11	3,957	2.52	1.0		105.60
12	4,686	3.36	1.1		106.53
13	5,722	2.32	0.6		107.87
14	10,380	75.00	10.9	Upper Marker	113.00
15	13,200	0.00	0.0		115.91
16	18,506	0.00	0.0		121.39

**Region table for sample 4 : HiSeq1453 - 4 library**

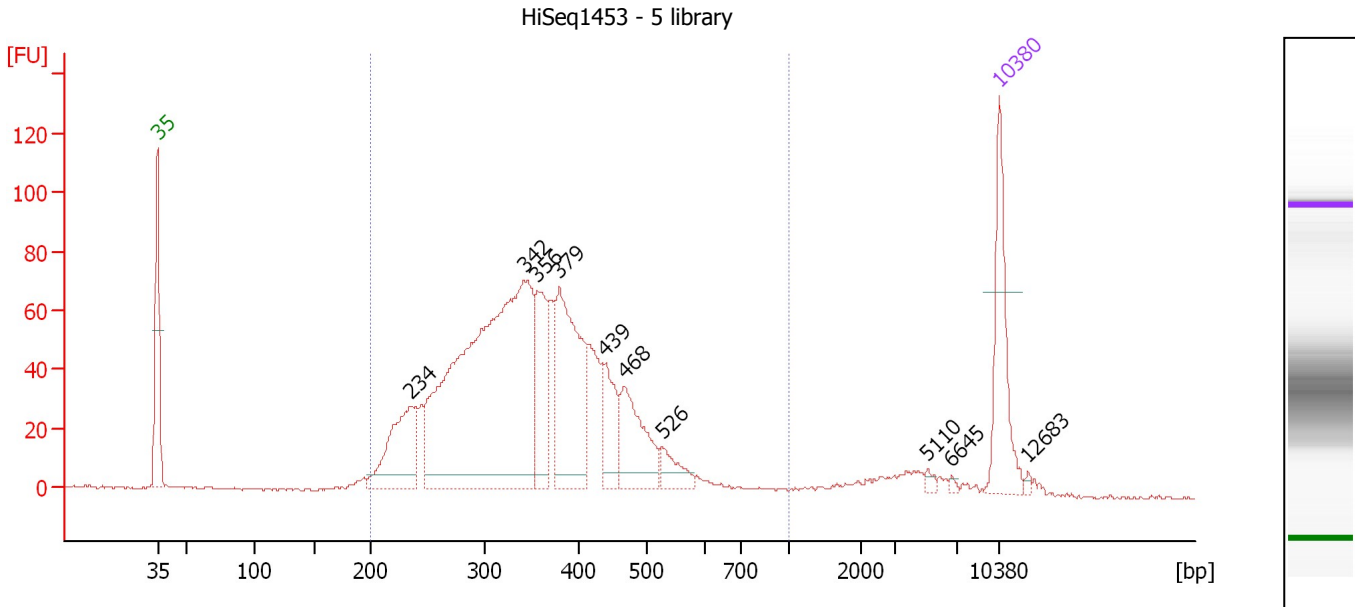
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	352	1,791.32	1,716.1	8,309.2	95	24.9



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : HiSeq1453 - 5 library**

Number of peaks found: 10                      Corr. Area 1: 1,508.6  
 Noise: 0.4

**Peak table for sample 5 : HiSeq1453 - 5 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	234	122.67	792.7		64.01
3	342	622.60	2,757.6		73.47
4	356	92.85	395.0		74.58
5	379	185.72	742.0		76.41
6	439	56.51	195.0		80.25
7	468	85.75	277.8		81.87
8	526	25.41	73.1		84.96
9	5,110	3.94	1.2		107.08
10	6,645	2.17	0.5		109.05
11	10,380	75.00	10.9	Upper Marker	113.00
12	12,683	0.00	0.0		115.38

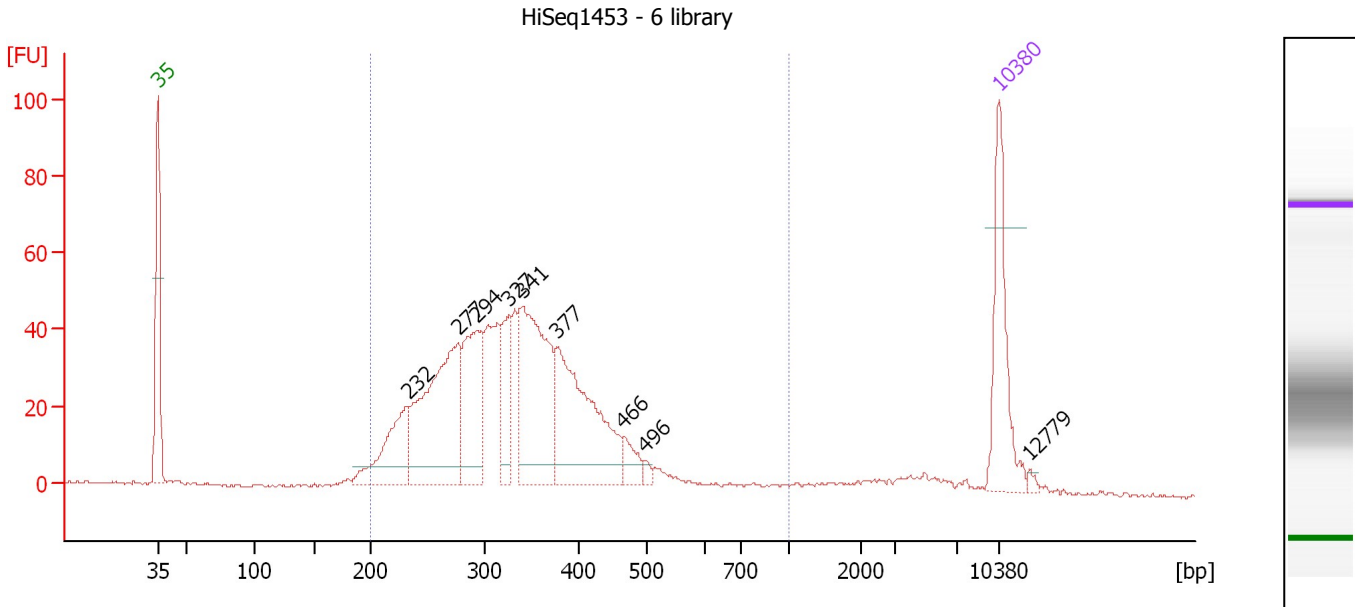
**Region table for sample 5 : HiSeq1453 - 5 library**

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	359	1,428.06	1,508.6	6,544.3	94	25.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : HiSeq1453 - 6 library**

Number of peaks found: 9                      Corr. Area 1: 972.2  
 Noise: 0.4

**Peak table for sample 6 : HiSeq1453 - 6 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	232	94.70	617.6		63.80
3	277	214.81	1,175.2		67.99
4	294	119.26	614.5		69.59
5	327	52.20	241.9		72.27
6	341	187.45	832.3		73.41
7	377	178.49	718.2		76.19
8	466	20.67	67.2		81.77
9	496	4.83	14.8		83.47
10	10,380	75.00	10.9	Upper Marker	113.00
11	12,779	0.00	0.0		115.48

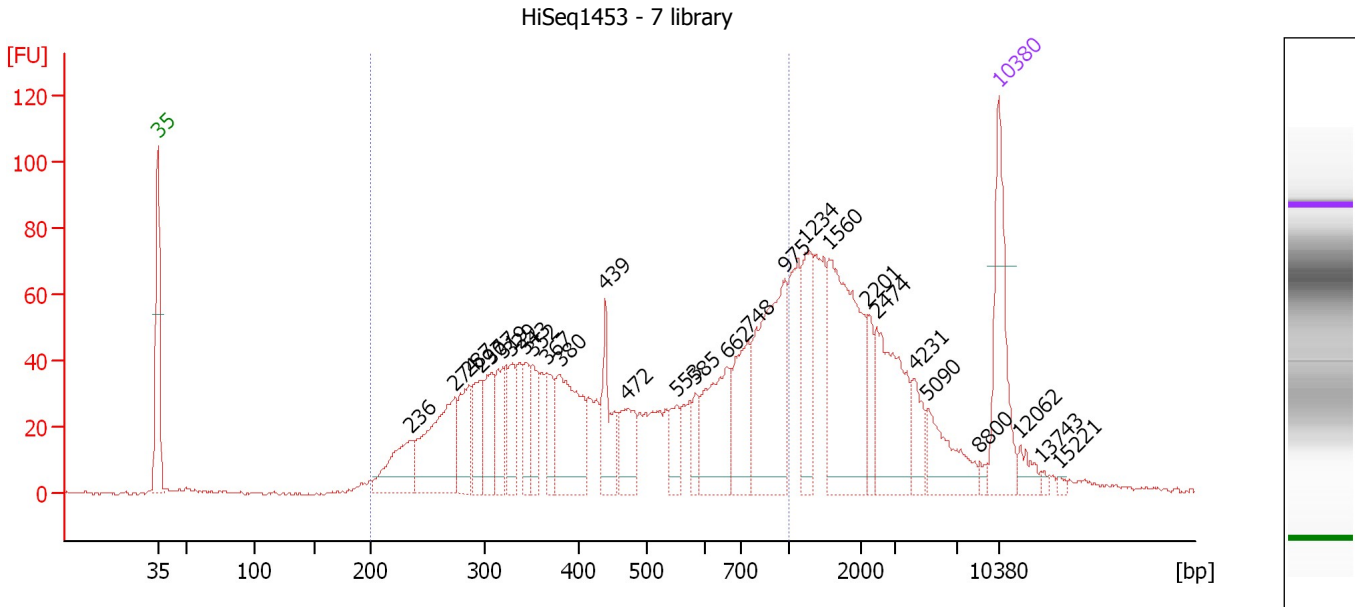
**Region table for sample 6 : HiSeq1453 - 6 library**

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	343	1,083.17	972.2	5,195.2	91	28.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : HiSeq1453 - 7 library**

Number of peaks found: 28                      Corr. Area 1: 1,385.0  
 Noise: 0.5

**Peak table for sample 7 : HiSeq1453 - 7 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	236	69.78	448.9		64.11
3	274	125.88	695.3		67.74
4	287	53.63	283.5		68.89
5	297	49.08	250.6		69.84
6	307	50.82	251.0		70.68
7	319	48.64	230.7		71.68
8	329	46.58	214.6		72.42
9	343	37.11	163.7		73.58
10	352	35.17	151.3		74.26
11	367	31.93	131.9		75.42
12	380	103.51	412.6		76.47
13	439	50.64	174.7		80.26
14	472	45.50	146.1		82.11
15	553	24.41	66.9		86.21
16	585	21.45	55.6		87.74
17	662	85.60	196.0		90.32
18	748	66.65	135.0		92.11
19	975	137.80	214.2		95.16
20	1,234	56.94	69.9		96.89
21	1,560	148.29	144.1		98.84
22	2,201	24.53	16.9		102.05
23	2,474	85.23	52.2		102.84
24	4,231	24.59	8.8		105.95
25	5,090	44.19	13.2		107.05

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : HiSeq1453 - 7 library**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	8,800	3.78	0.7		111.37
27	10,380	75.00	10.9	Upper Marker	113.00
28	12,062	0.00	0.0		114.74
29	13,743	0.00	0.0		116.47
30	15,221	0.00	0.0		118.00

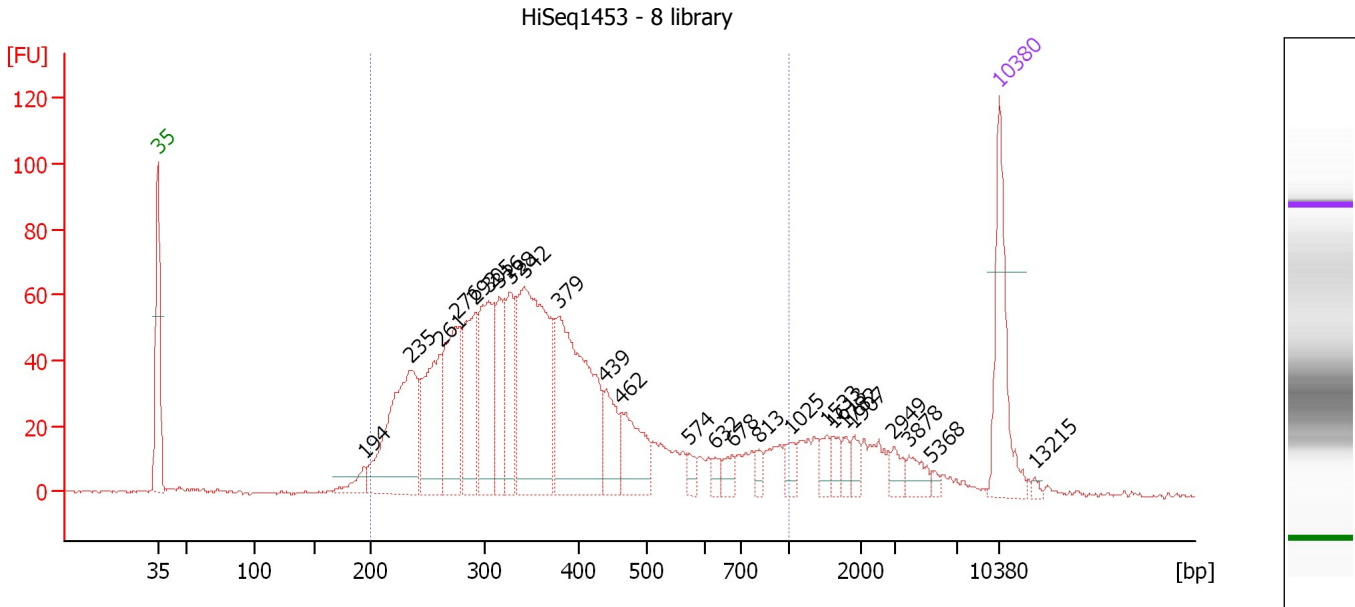
**Region table for sample 7 : HiSeq1453 - 7 library**

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	503	1,330.69	1,385.0	5,133.1	63	42.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : HiSeq1453 - 8 library**

Number of peaks found: 25                      Corr. Area 1: 1,526.4  
 Noise: 0.5

**Peak table for sample 8 : HiSeq1453 - 8 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	194	21.68	169.4		60.19
3	235	199.14	1,282.5		64.08
4	261	121.50	705.8		66.48
5	276	124.76	685.9		67.86
6	292	105.38	546.7		69.40
7	305	119.73	595.3		70.52
8	316	66.94	320.8		71.43
9	328	80.77	372.7		72.38
10	342	251.19	1,111.3		73.50
11	379	232.44	929.6		76.38
12	439	48.37	166.8		80.26
13	462	65.67	215.4		81.54
14	574	9.55	25.2		87.24
15	632	8.58	20.6		89.42
16	678	13.24	29.6		90.80
17	813	9.11	17.0		92.98
18	1,025	13.84	20.5		95.65
19	1,533	12.54	12.4		98.68
20	1,613	12.31	11.6		99.16
21	1,782	9.66	8.2		100.17
22	1,907	10.08	8.0		100.92
23	2,949	12.70	6.5		104.22
24	3,878	15.15	5.9		105.49
25	5,368	3.83	1.1		107.41

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 8 : HiSeq1453 - 8 library

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00
27	13,215	0.00	0.0		115.93

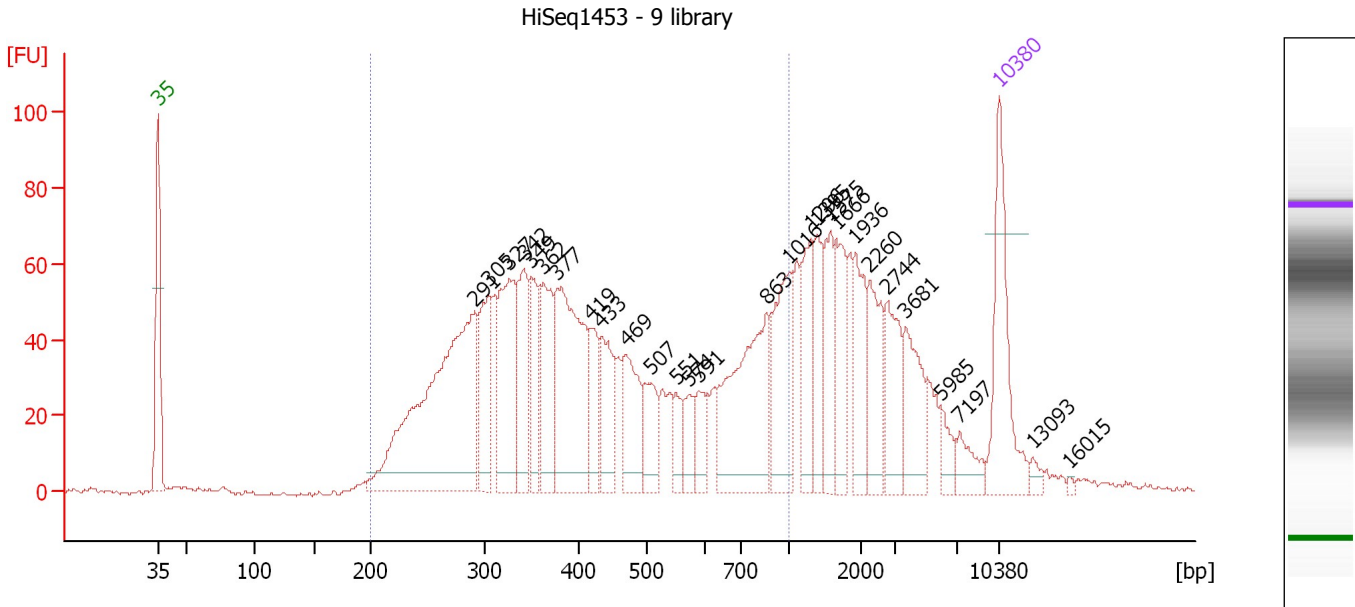
#### Region table for sample 8 : HiSeq1453 - 8 library

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	379	1,600.39	1,526.4	7,398.0	 86	38.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : HiSeq1453 - 9 library**

Number of peaks found: 28                      Corr. Area 1: 1,671.5  
 Noise: 0.5

**Peak table for sample 9 : HiSeq1453 - 9 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	291	343.81	1,790.5		69.30
3	305	78.54	390.2		70.54
4	327	122.28	567.0		72.26
5	342	74.29	328.7		73.50
6	349	55.33	240.0		74.04
7	362	81.65	341.5		75.06
8	377	175.12	703.3		76.25
9	419	42.66	154.4		79.10
10	433	57.50	201.2		79.91
11	469	63.68	205.6		81.96
12	507	39.27	117.5		84.01
13	551	23.50	64.7		86.11
14	574	21.47	56.6		87.24
15	591	27.13	69.5		88.05
16	863	138.09	242.4		93.65
17	1,016	81.41	121.4		95.59
18	1,296	50.17	58.7		97.26
19	1,395	35.02	38.0		97.86
20	1,575	49.42	47.5		98.94
21	1,666	47.49	43.2		99.47
22	1,936	45.25	35.4		101.09
23	2,260	48.66	32.6		102.22
24	2,744	46.59	25.7		103.62
25	3,681	48.89	20.1		105.24

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 9 : HiSeq1453 - 9 library

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	5,985	14.28	3.6		108.20
27	7,197	18.18	3.8		109.71
28	10,380	75.00	10.9	Upper Marker	113.00
29	13,093	0.00	0.0		115.80
30	16,015	0.00	0.0		118.82

#### Region table for sample 9 : HiSeq1453 - 9 library

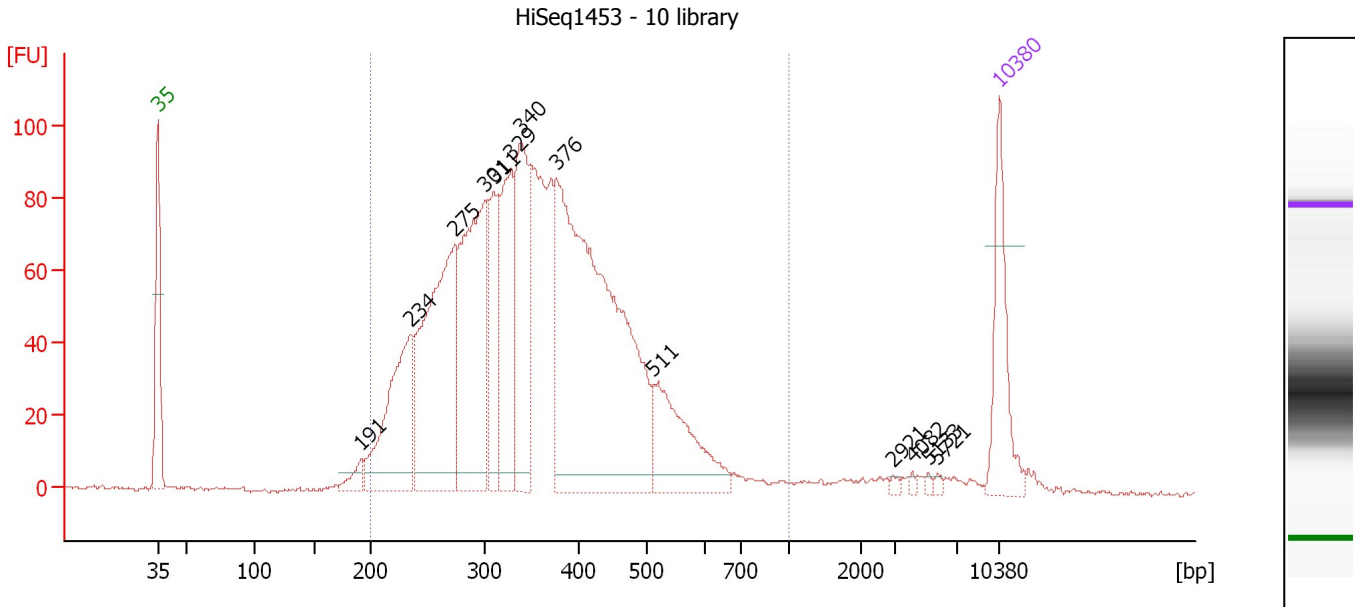
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	461	1,597.07	1,671.5	6,501.4	68	43.1



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : HiSeq1453 - 10 library**

Number of peaks found: 13                      Corr. Area 1: 2,138.7  
 Noise: 0.6

**Peak table for sample 10 : HiSeq1453 - 10 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	191	20.03	158.8		59.92
3	234	199.89	1,293.6		63.97
4	275	337.71	1,864.0		67.76
5	301	293.12	1,474.3		70.24
6	311	103.74	505.7		71.00
7	329	167.19	770.9		72.41
8	340	168.89	753.6		73.27
9	376	643.61	2,590.1		76.19
10	511	131.26	388.8		84.24
11	2,921	2.91	1.5		104.14
12	4,082	2.72	1.0		105.76
13	5,133	2.81	0.8		107.11
14	5,721	3.10	0.8		107.86
15	10,380	75.00	10.9	Upper Marker	113.00

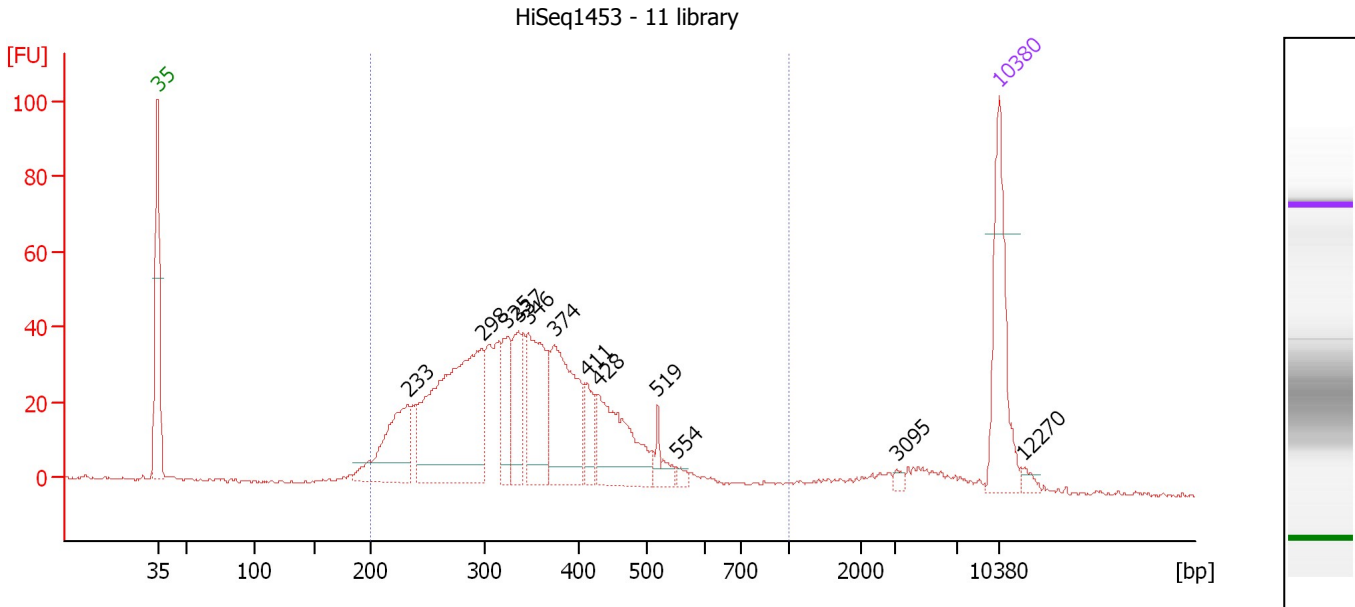
**Region table for sample 10 : HiSeq1453 - 10 library**

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	364	2,301.09	2,138.7	10,561.1	94	28.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
 Modified: 8/15/2018 2:31:39 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : HiSeq1453 - 11 library**

Number of peaks found: 12                      Corr. Area 1: 907.6  
 Noise: 0.4

**Peak table for sample 11 : HiSeq1453 - 11 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	233	102.05	665.0		63.82
3	298	269.77	1,369.5		70.00
4	325	54.69	255.0		72.12
5	337	58.20	262.0		73.04
6	346	105.12	460.0		73.80
7	374	124.63	505.3		75.97
8	411	30.46	112.2		78.68
9	428	96.64	341.7		79.65
10	519	17.26	50.4		84.59
11	554	4.99	13.7		86.27
12	3,095	3.61	1.8		104.49
13	10,380	75.00	10.9	Upper Marker	113.00
14	12,270	0.00	0.0		114.95

**Region table for sample 11 : HiSeq1453 - 11 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	350	1,005.91	907.6	4,759.8	91	27.8

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-15\2018-08-15\_001.xad

Created: 8/15/2018 1:50:21 PM  
Modified: 8/15/2018 2:31:39 PM

**Gel Image**

