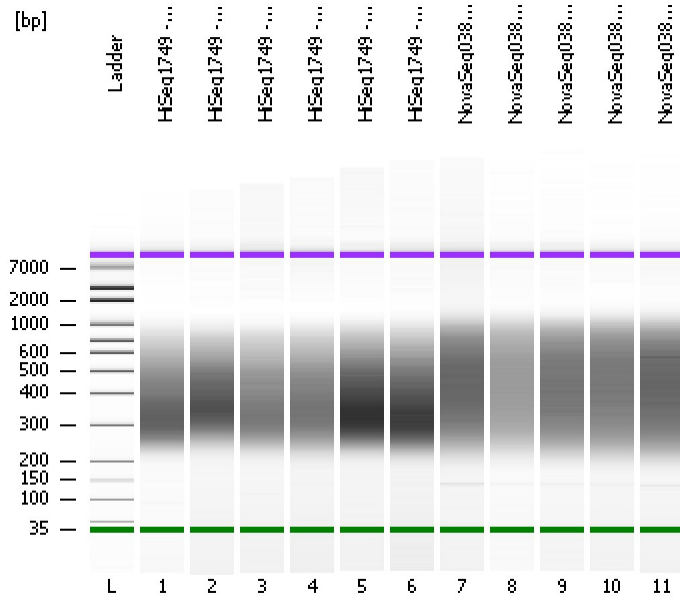


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
Modified: 4/10/2019 4:07:45 PM

### Electrophoresis File Run Summary



#### Instrument Information:

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

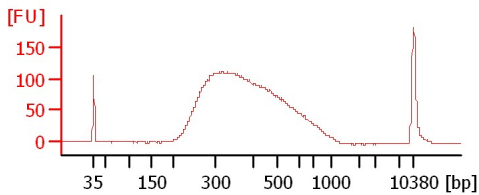
#### Assay Information:

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

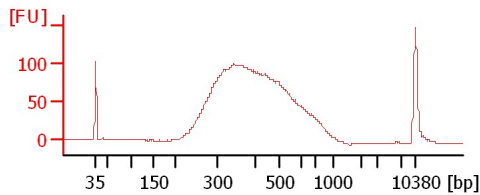
#### Chip Information:

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

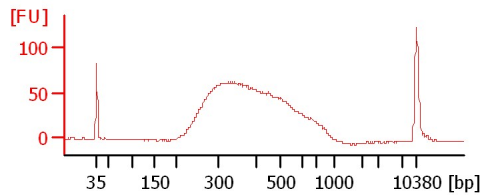
HiSeq1749 - 1 (1:4)



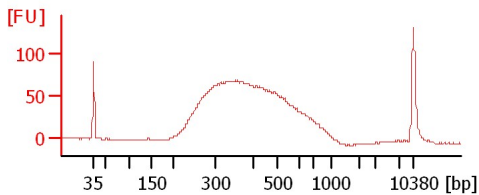
HiSeq1749 - 2 (1:34)



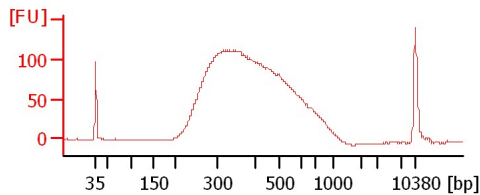
HiSeq1749 - 3 (1:4)



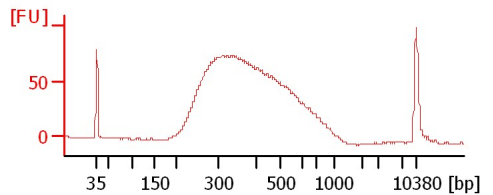
HiSeq1749 - 4 (1:3)



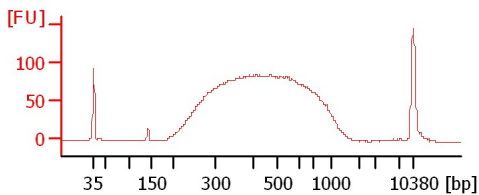
HiSeq1749 - 5 (1:2)



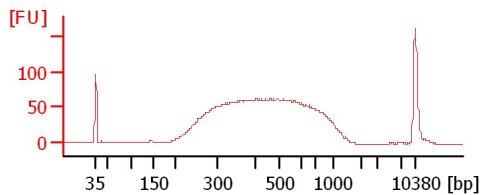
HiSeq1749 - 6 (1:2)



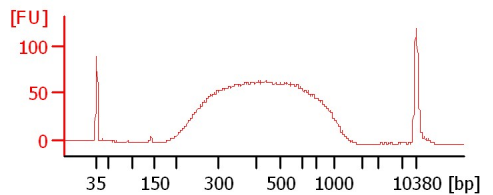
NovaSeq038 - 1 (1:6)



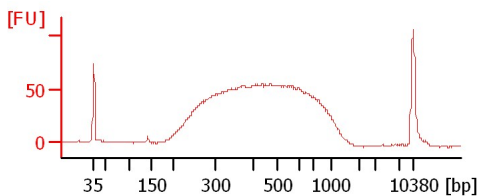
NovaSeq038 - 2 (1:8)



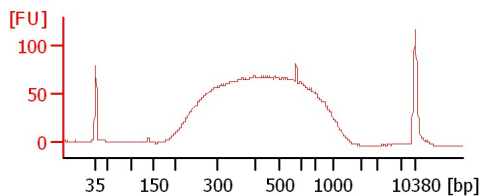
NovaSeq038 - 3 (1:6)



NovaSeq038 - 4 (1:6)



NovaSeq038 - 5 (1:6)



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HiSeq1749 - 1 (1:4)		<input type="checkbox"/>	✓			
HiSeq1749 - 2 (1:34)		<input type="checkbox"/>	✓			
HiSeq1749 - 3 (1:4)		<input type="checkbox"/>	✓			
HiSeq1749 - 4 (1:3)		<input type="checkbox"/>	✓			
HiSeq1749 - 5 (1:2)		<input type="checkbox"/>	✓			
HiSeq1749 -6 (1:2)		<input type="checkbox"/>	✓			
NovaSeq038 - 1 (1:6)		<input type="checkbox"/>	✓			
NovaSeq038 - 2 (1:8)		<input type="checkbox"/>	✓			
NovaSeq038 - 3 (1:6)		<input type="checkbox"/>	✓			
NovaSeq038 - 4 (1:6)		<input type="checkbox"/>	✓			
NovaSeq038 - 5 (1:6)		<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\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
Modified: 4/10/2019 4:07:45 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

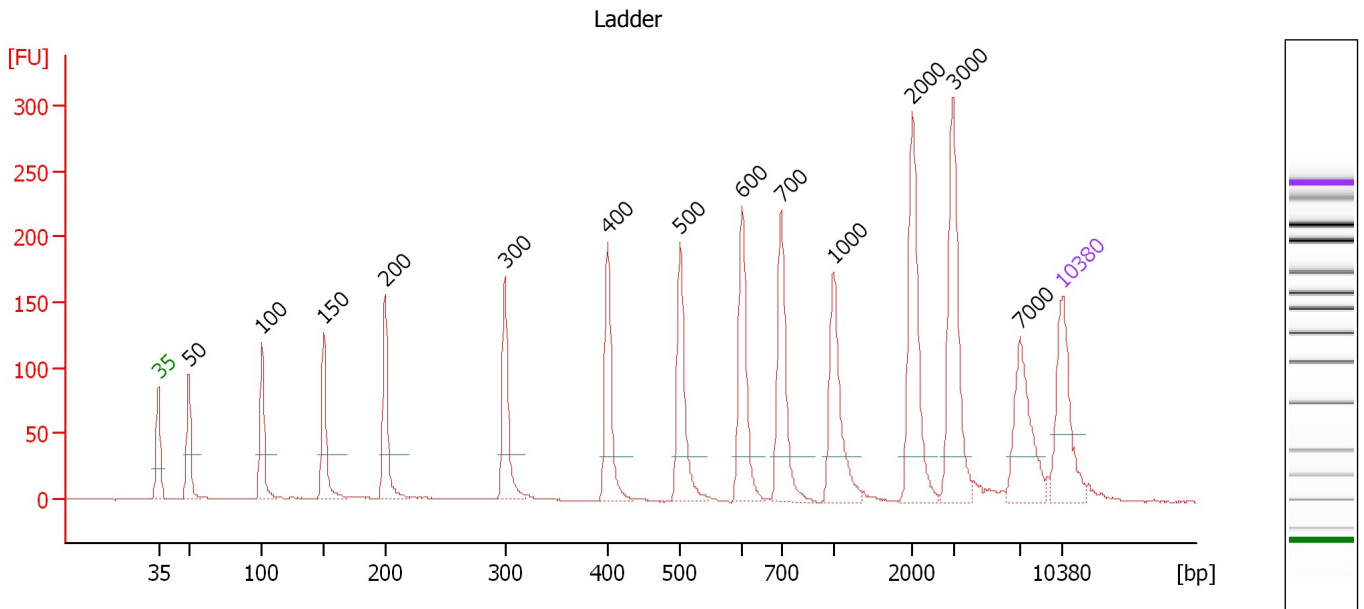
**Ladder**

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\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.5

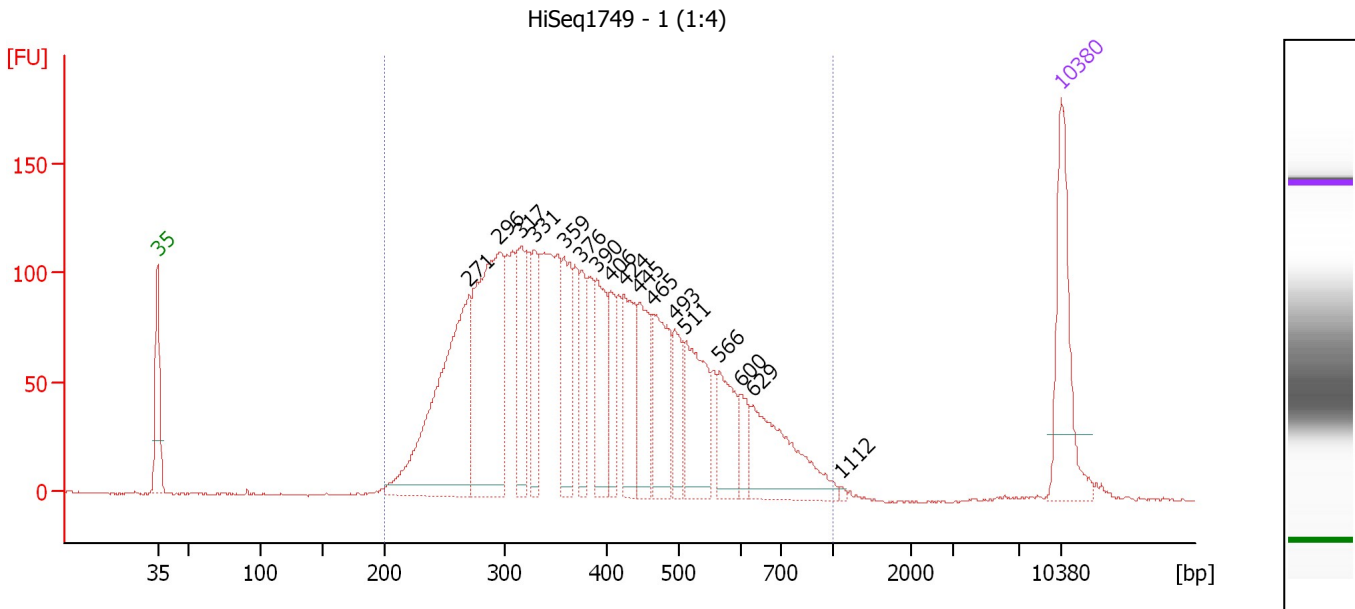
**Peak table for Ladder**

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	45.35
3	100	150.00	2,272.7	Ladder Peak	50.99
4	150	150.00	1,515.2	Ladder Peak	55.79
5	200	150.00	1,136.4	Ladder Peak	60.54
6	300	150.00	757.6	Ladder Peak	69.83
7	400	150.00	568.2	Ladder Peak	77.78
8	500	150.00	454.5	Ladder Peak	83.42
9	600	150.00	378.8	Ladder Peak	88.22
10	700	150.00	324.7	Ladder Peak	91.24
11	1,000	150.00	227.3	Ladder Peak	95.28
12	2,000	150.00	113.6	Ladder Peak	101.41
13	3,000	150.00	75.8	Ladder Peak	104.56
14	7,000	150.00	32.5	Ladder Peak	109.76
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : HiSeq1749 - 1 (1:4)**

Number of peaks found: 17                      Corr. Area 1: 3,212.4  
 Noise: 0.5

**Peak table for sample 1 : HiSeq1749 - 1 (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	271	269.84	1,506.8		67.17
3	296	256.38	1,313.3		69.44
4	317	78.13	373.6		71.16
5	331	57.15	262.0		72.25
6	359	78.95	333.1		74.52
7	376	47.05	189.8		75.84
8	390	76.04	295.5		76.98
9	406	40.52	151.2		78.11
10	424	74.23	265.0		79.16
11	445	67.11	228.3		80.34
12	465	81.91	267.1		81.43
13	493	44.26	136.0		83.02
14	511	89.57	265.8		83.93
15	566	54.76	146.7		86.56
16	600	23.24	58.7		88.20
17	629	98.97	238.2		89.11
18	1,112	1.65	2.2		95.97
19	10,380	75.00	10.9	Upper Marker	113.00

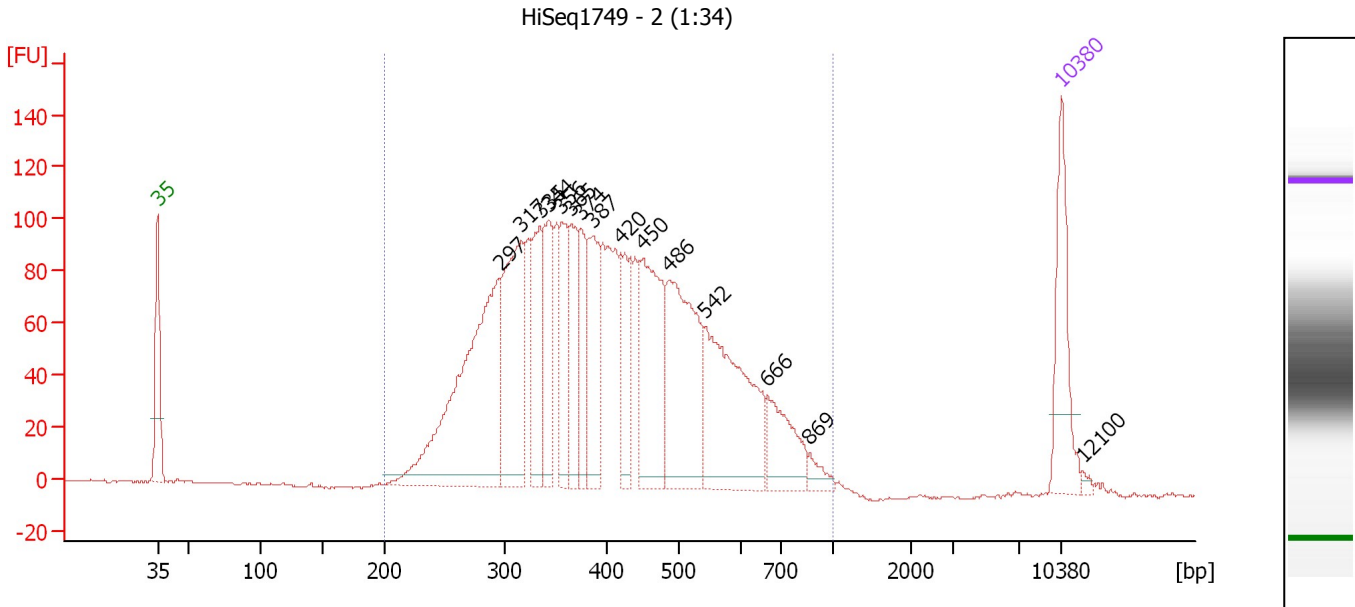
**Region table for sample 1 : HiSeq1749 - 1 (1:4)**

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	404	1,861.75	3,212.4	7,941.9	99	32.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : HiSeq1749 - 2 (1:34)**

Number of peaks found: 15                      Corr. Area 1: 2,715.4  
 Noise: 0.5

**Peak table for sample 2 : HiSeq1749 - 2 (1:34)**

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	297	372.98	1,903.2		69.54
3	317	199.16	951.4		71.19
4	335	100.62	455.0		72.61
5	344	96.04	423.4		73.30
6	356	77.90	331.2		74.31
7	365	85.79	356.1		75.00
8	374	76.91	311.4		75.73
9	387	96.00	375.9		76.74
10	420	77.49	279.7		78.89
11	450	164.19	553.0		80.59
12	486	202.14	630.7		82.61
13	542	203.66	569.0		85.45
14	666	68.93	156.8		90.22
15	869	13.83	24.1		93.52
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,100	0.00	0.0		114.65

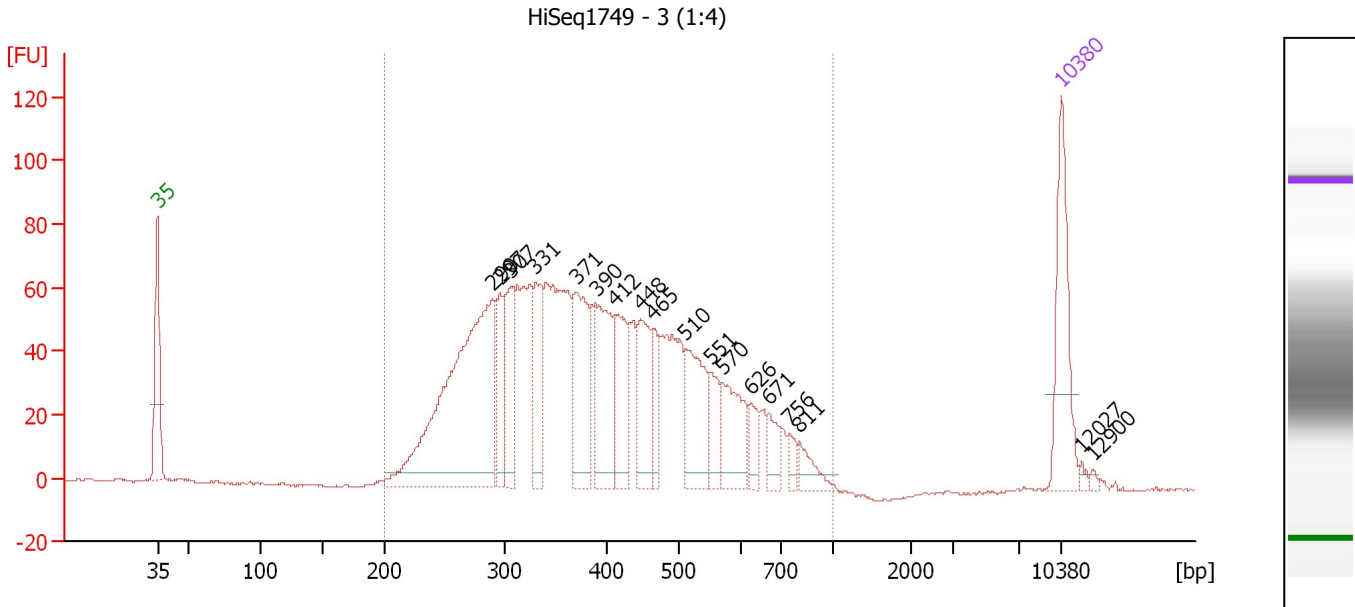
**Region table for sample 2 : HiSeq1749 - 2 (1:34)**

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	421	2,146.98	2,715.4	8,657.2	99	30.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : HiSeq1749 - 3 (1:4)**

Number of peaks found: 18                      Corr. Area 1: 1,779.8  
 Noise: 0.4

**Peak table for sample 3 : HiSeq1749 - 3 (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	290	392.36	2,047.1		68.94
3	297	56.59	288.8		69.54
4	307	79.05	390.2		70.38
5	331	68.15	312.1		72.28
6	371	115.96	474.0		75.44
7	390	101.00	392.5		76.98
8	412	66.50	244.5		78.46
9	448	71.17	240.9		80.46
10	465	34.80	113.4		81.44
11	510	84.81	251.9		83.90
12	551	32.80	90.2		85.86
13	570	64.71	172.0		86.78
14	626	21.28	51.5		89.02
15	671	20.78	46.9		90.36
16	756	11.66	23.4		91.99
17	811	19.70	36.8		92.73
18	10,380	75.00	10.9	Upper Marker	113.00
19	12,027	0.00	0.0		114.58
20	12,900	0.00	0.0		115.42

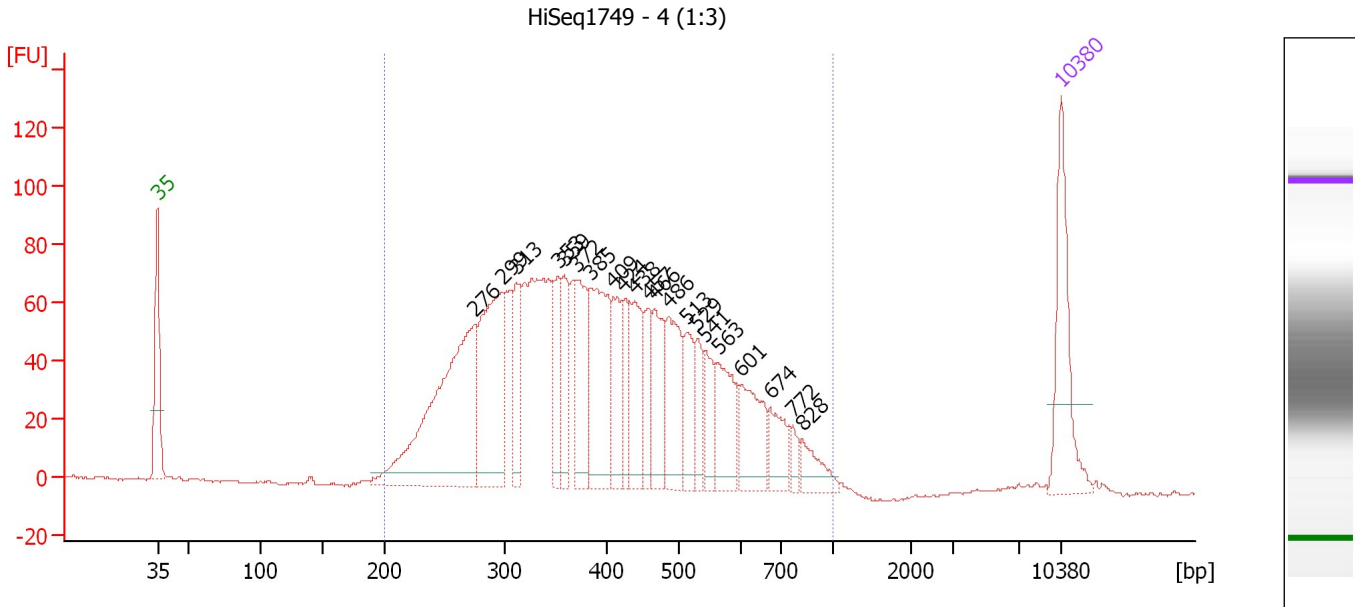
**Region table for sample 3 : HiSeq1749 - 3 (1:4)**

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	409	1,722.58	1,779.8	7,236.2	99	31.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : HiSeq1749 - 4 (1:3)**

Number of peaks found: 21                      Corr. Area 1: 2,104.8  
 Noise: 0.4

**Peak table for sample 4 : HiSeq1749 - 4 (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	276	298.44	1,639.7		67.58
3	299	184.87	936.2		69.75
4	313	60.19	291.6		70.84
5	353	56.88	244.1		74.05
6	359	52.10	219.8		74.53
7	372	79.77	325.3		75.52
8	385	131.09	515.6		76.61
9	409	55.98	207.2		78.31
10	424	41.93	150.0		79.11
11	438	68.53	237.1		79.91
12	457	38.92	129.0		81.00
13	466	66.25	215.6		81.47
14	486	78.17	243.9		82.61
15	513	43.97	130.0		84.03
16	529	33.99	97.3		84.83
17	541	36.37	101.8		85.40
18	563	62.94	169.4		86.44
19	601	61.27	154.6		88.23
20	674	35.51	79.8		90.45
21	772	12.01	23.6		92.20
22	828	26.19	47.9		92.96
23	10,380	75.00	10.9	Upper Marker	113.00



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**

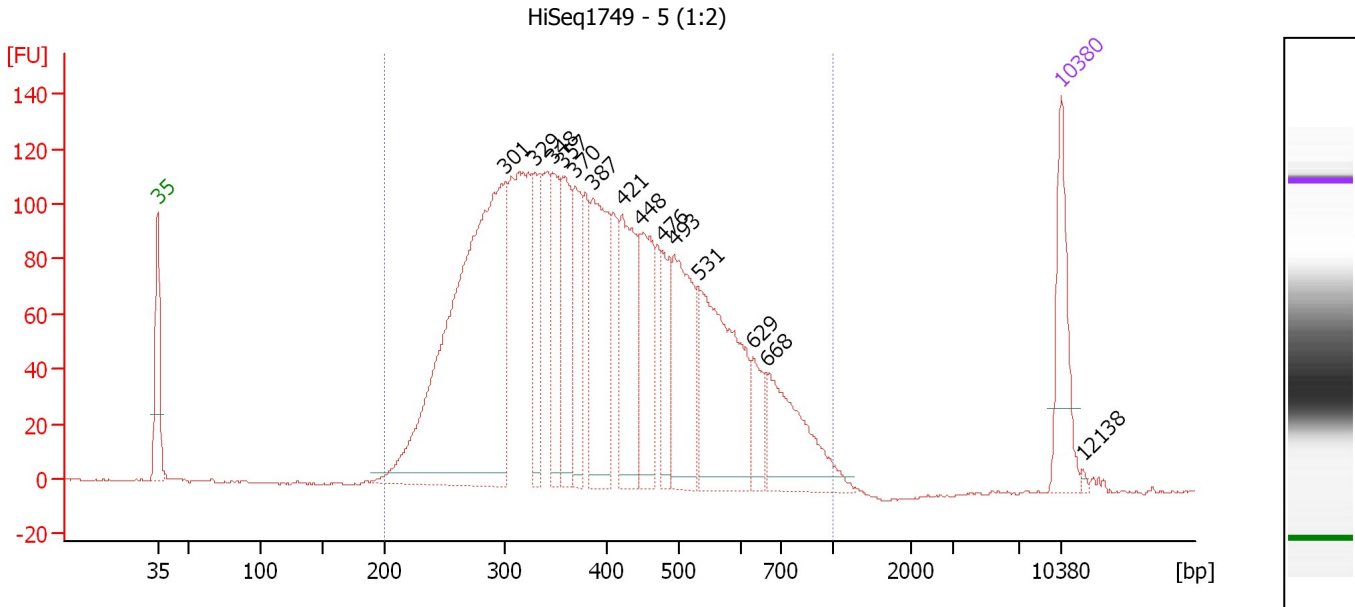
... Region table for sample 4 : HiSeq1749 - 4 (1:3)

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	414	1,789.50	2,104.8	7,489.6	 100	32.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : HiSeq1749 - 5 (1:2)**

Number of peaks found: 14                      Corr. Area 1: 3,235.9  
 Noise: 0.4

**Peak table for sample 5 : HiSeq1749 - 5 (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	301	734.73	3,694.8		69.93
3	329	92.26	424.7		72.15
4	348	101.69	442.8		73.64
5	357	136.55	579.5		74.36
6	370	92.01	377.0		75.37
7	387	184.62	723.3		76.72
8	421	158.85	571.1		78.99
9	448	116.90	395.4		80.48
10	476	67.86	216.0		82.07
11	493	153.11	470.4		83.03
12	531	240.46	685.9		84.91
13	629	48.16	115.9		89.10
14	668	131.49	298.4		90.26
15	10,380	75.00	10.9	Upper Marker	113.00
16	12,138	0.00	0.0		114.69

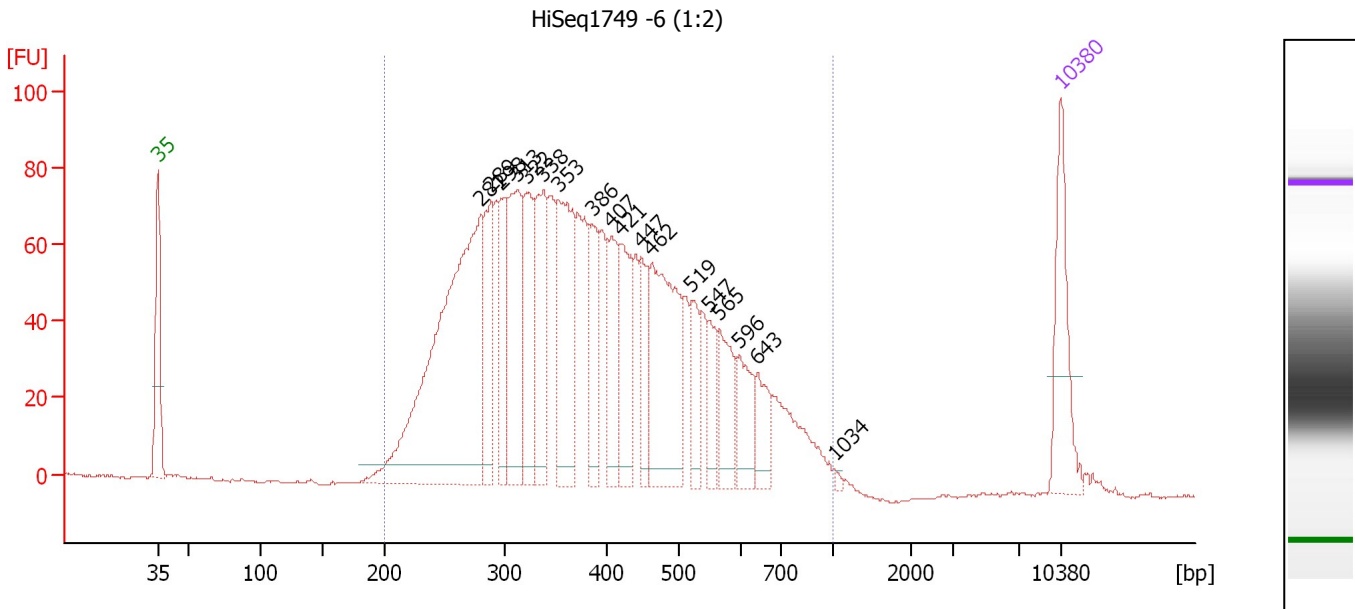
**Region table for sample 5 : HiSeq1749 - 5 (1:2)**

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	412	2,840.87	3,235.9	11,915.5	99	32.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : HiSeq1749 -6 (1:2)**

Number of peaks found: 18                      Corr. Area 1: 2,217.3  
 Noise: 0.4

**Peak table for sample 6 : HiSeq1749 -6 (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	281	536.56	2,892.8		68.07
3	289	105.46	553.0		68.80
4	298	86.97	442.3		69.64
5	313	157.43	762.0		70.86
6	322	114.95	540.4		71.60
7	338	123.28	552.1		72.87
8	353	177.81	762.9		74.05
9	386	78.99	310.2		76.65
10	407	76.96	286.5		78.17
11	421	85.76	308.7		78.96
12	447	51.82	175.6		80.43
13	462	193.10	633.6		81.26
14	519	48.71	142.1		84.35
15	547	38.83	107.5		85.68
16	565	60.47	162.0		86.56
17	596	50.60	128.6		88.03
18	643	40.16	94.7		89.50
19	1,034	2.88	4.2		95.49
20	10,380	75.00	10.9	Upper Marker	113.00

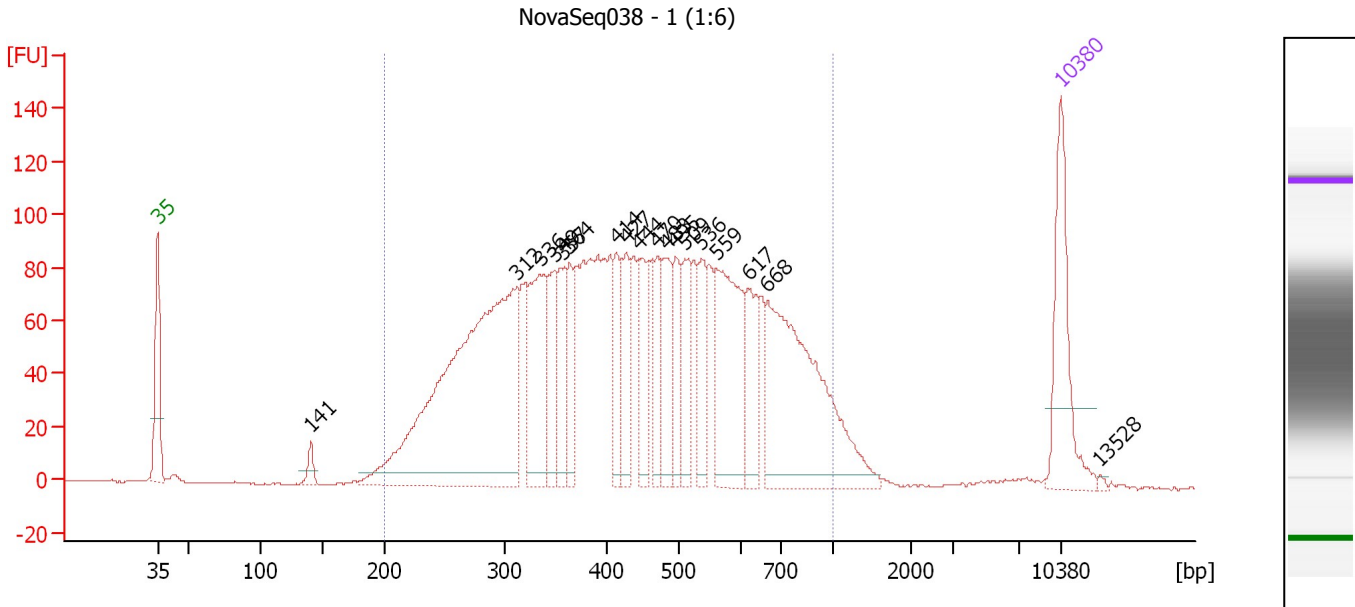
**Region table for sample 6 : HiSeq1749 -6 (1:2)**

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	404	2,573.13	2,217.3	11,053.1	99	33.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : NovaSeq038 - 1 (1:6)**

Number of peaks found: 18                      Corr. Area 1: 2,978.8  
 Noise: 0.3

**Peak table for sample 7 : NovaSeq038 - 1 (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	141	14.44	155.7		54.88
3	312	511.88	2,486.8		70.77
4	336	126.83	572.7		72.65
5	349	59.39	257.6		73.74
6	357	55.40	235.3		74.34
7	364	51.07	212.5		74.93
8	414	48.80	178.4		78.59
9	427	52.06	184.9		79.29
10	444	58.08	198.0		80.28
11	470	46.48	149.9		81.71
12	483	60.00	188.3		82.46
13	495	48.77	149.2		83.15
14	509	51.33	152.9		83.84
15	536	52.16	147.5		85.13
16	559	136.85	370.7		86.27
17	617	59.14	145.1		88.74
18	668	241.73	548.1		90.28
19	10,380	75.00	10.9	Upper Marker	113.00
20	13,528	0.00	0.0		116.02

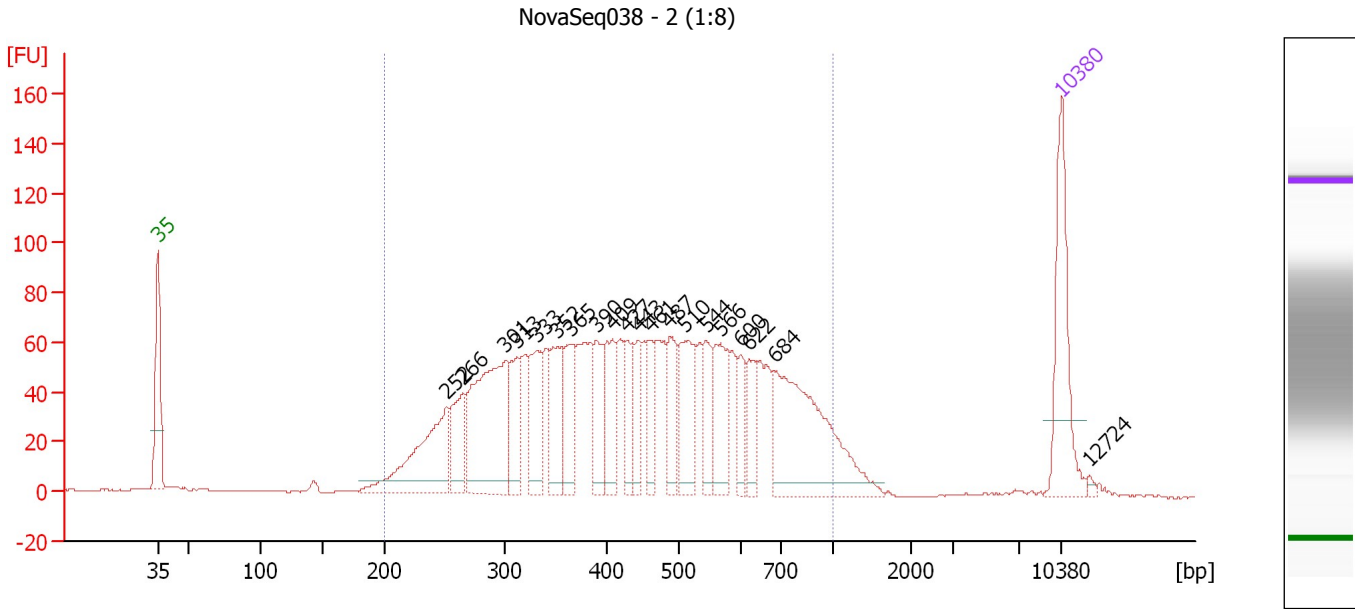
**Region table for sample 7 : NovaSeq038 - 1 (1:6)**

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	462	2,065.94	2,978.8	8,072.7	96	36.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : NovaSeq038 - 2 (1:8)**

Number of peaks found: 20                      Corr. Area 1: 2,209.1  
 Noise: 0.3

**Peak table for sample 8 : NovaSeq038 - 2 (1:8)**

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	252	129.07	775.6		65.38
3	266	56.94	324.2		66.68
4	301	183.55	925.0		69.88
5	313	54.69	264.5		70.88
6	333	61.13	278.4		72.43
7	352	57.49	247.8		73.93
8	365	56.72	235.2		75.03
9	390	46.01	178.8		76.98
10	409	53.40	197.9		78.27
11	427	36.09	127.9		79.32
12	443	38.43	131.4		80.22
13	461	35.56	116.8		81.22
14	487	45.72	142.3		82.67
15	510	64.81	192.4		83.92
16	544	36.58	101.9		85.52
17	566	58.04	155.5		86.57
18	600	26.67	67.3		88.22
19	622	32.08	78.2		88.87
20	684	176.46	390.6		90.77
21	10,380	75.00	10.9	Upper Marker	113.00
22	12,724	0.00	0.0		115.25

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**

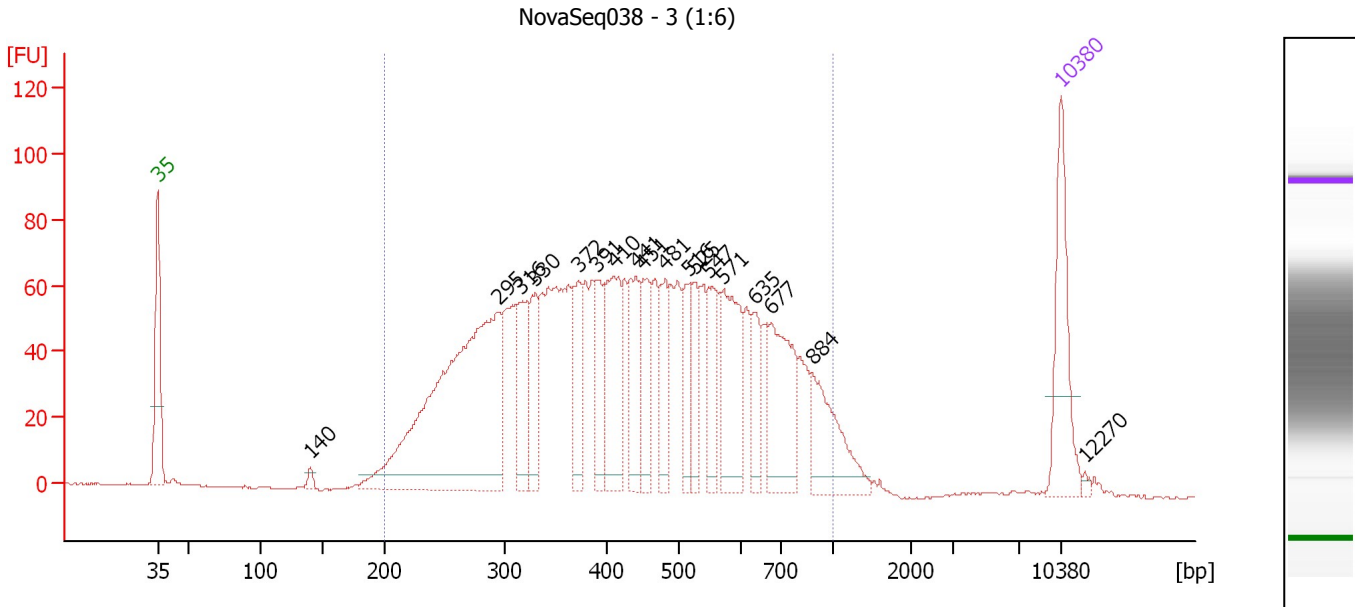
... Region table for sample 8 : NovaSeq038 - 2 (1:8)

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	464	1,603.58	2,209.1	6,269.7	 94	36.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : NovaSeq038 - 3 (1:6)**

Number of peaks found: 18                      Corr. Area 1: 2,256.7  
 Noise: 0.3

**Peak table for sample 9 : NovaSeq038 - 3 (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	140	7.27	78.6		54.83
3	295	480.83	2,467.3		69.39
4	316	76.33	366.0		71.10
5	330	67.43	309.6		72.21
6	372	57.34	233.3		75.58
7	391	51.70	200.5		77.04
8	410	109.28	403.6		78.35
9	441	68.91	237.0		80.06
10	451	68.10	228.7		80.67
11	481	54.73	172.5		82.33
12	516	45.34	133.1		84.19
13	525	44.91	129.7		84.60
14	547	52.48	145.5		85.65
15	571	104.77	278.1		86.81
16	635	39.38	93.9		89.28
17	677	107.23	240.0		90.54
18	884	80.75	138.4		93.71
19	10,380	75.00	10.9	Upper Marker	113.00
20	12,270	0.00	0.0		114.81

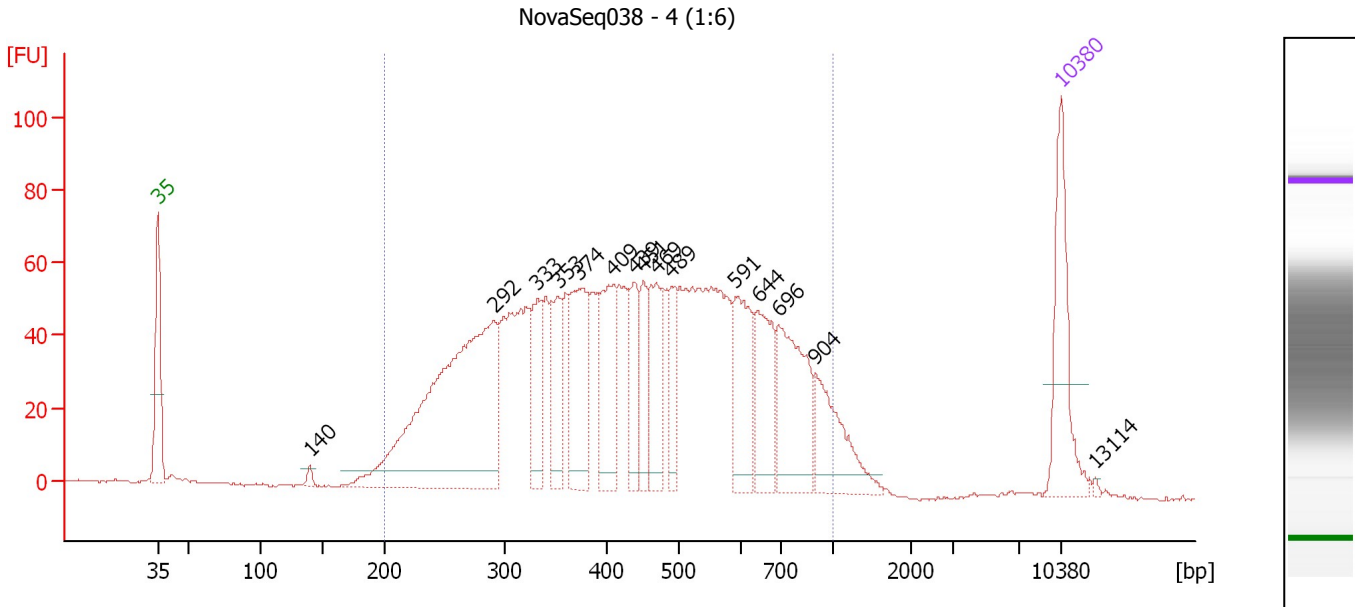
**Region table for sample 9 : NovaSeq038 - 3 (1:6)**

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	458	2,185.32	2,256.7	8,654.3	96	36.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : NovaSeq038 - 4 (1:6)**

Number of peaks found: 15                      Corr. Area 1: 1,999.2  
 Noise: 0.3

**Peak table for sample 10 : NovaSeq038 - 4 (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	140	6.54	70.9		54.80
3	292	431.30	2,238.9		69.07
4	333	67.60	307.6		72.45
5	353	62.27	267.5		74.02
6	374	109.81	445.3		75.68
7	409	97.35	360.4		78.30
8	439	51.51	177.9		79.97
9	451	47.94	161.0		80.67
10	469	74.06	239.2		81.68
11	489	43.05	133.4		82.79
12	591	87.31	223.8		87.78
13	644	77.53	182.4		89.55
14	696	118.01	256.9		91.11
15	904	73.04	122.4		93.99
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,114	0.00	0.0		115.62

**Region table for sample 10 : NovaSeq038 - 4 (1:6)**

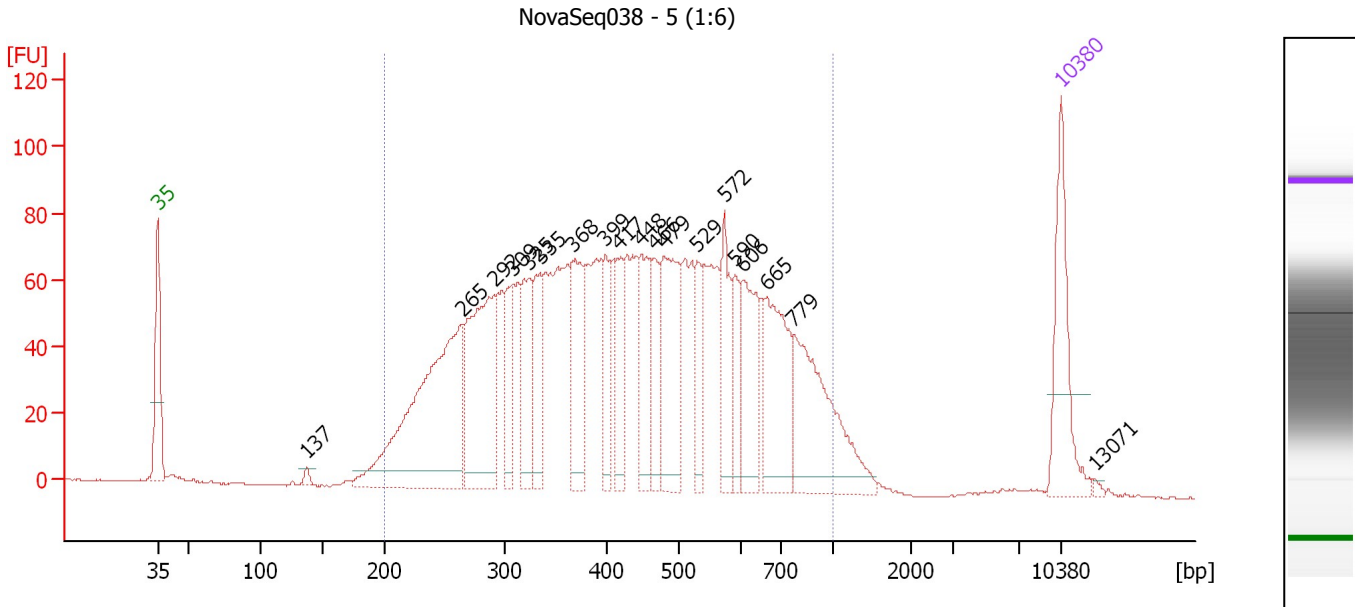
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	461	1,995.20	1,999.2	7,896.9	96	37.1



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : NovaSeq038 - 5 (1:6)**

Number of peaks found: 19                      Corr. Area 1: 2,474.0  
 Noise: 0.3

**Peak table for sample 11 : NovaSeq038 - 5 (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	137	6.19	68.5		54.54
3	265	332.55	1,900.7		66.59
4	292	214.69	1,114.7		69.07
5	309	58.66	287.7		70.53
6	325	81.04	378.0		71.80
7	335	71.96	325.5		72.61
8	368	97.46	401.2		75.24
9	399	54.79	207.9		77.72
10	417	62.38	226.7		78.73
11	448	77.86	263.1		80.51
12	466	51.98	168.9		81.52
13	479	126.98	401.8		82.23
14	529	47.99	137.5		84.81
15	572	67.56	178.9		86.88
16	590	41.04	105.4		87.74
17	606	85.84	214.6		88.40
18	665	115.40	263.0		90.17
19	779	152.66	297.0		92.30
20	10,380	75.00	10.9	Upper Marker	113.00
21	13,071	0.00	0.0		115.58

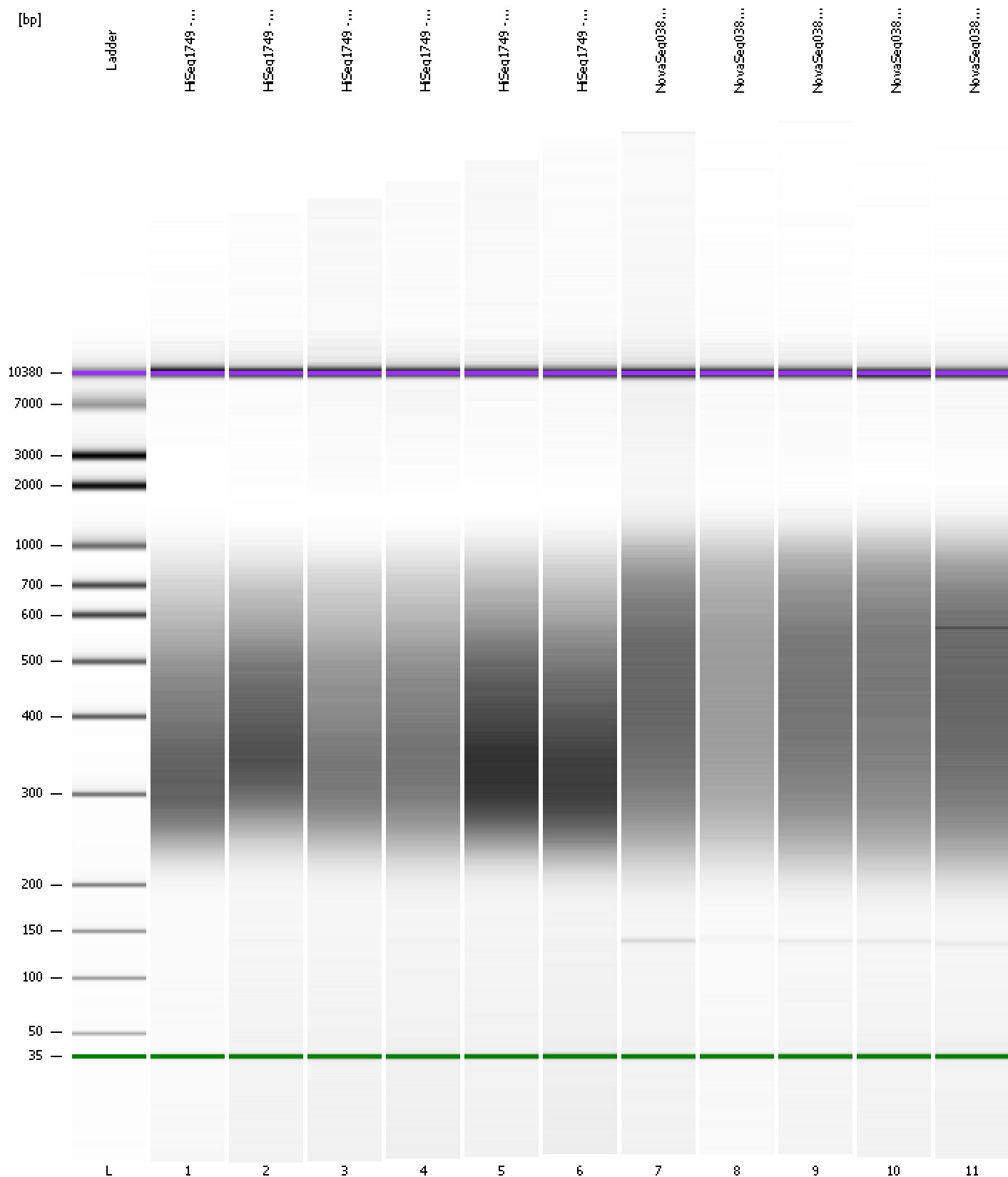
**Region table for sample 11 : NovaSeq038 - 5 (1:6)**

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	456	2,376.38	2,474.0	9,490.6	96	36.9

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
Modified: 4/10/2019 4:07:45 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-10\2019-04-10\_002.xad

Created: 4/10/2019 3:27:13 PM  
 Modified: 4/10/2019 4:07:45 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		4/10/2019 4:07:41 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\2019-04-10\2019-04-10_002.xad)		Instrument	Run		4/10/2019 3:27:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		4/10/2019 3:27:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/10/2019 3:27:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/10/2019 3:27:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		4/10/2019 3:27:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/10/2019 3:27:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/10/2019 3:27:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1