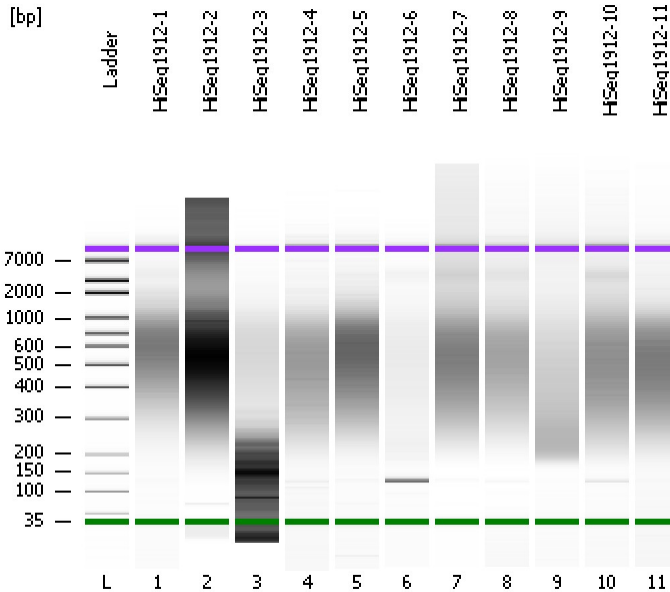


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
Modified: 10/16/2019 2:17:17 PM

Electrophoresis File Run Summary



Instrument Information:

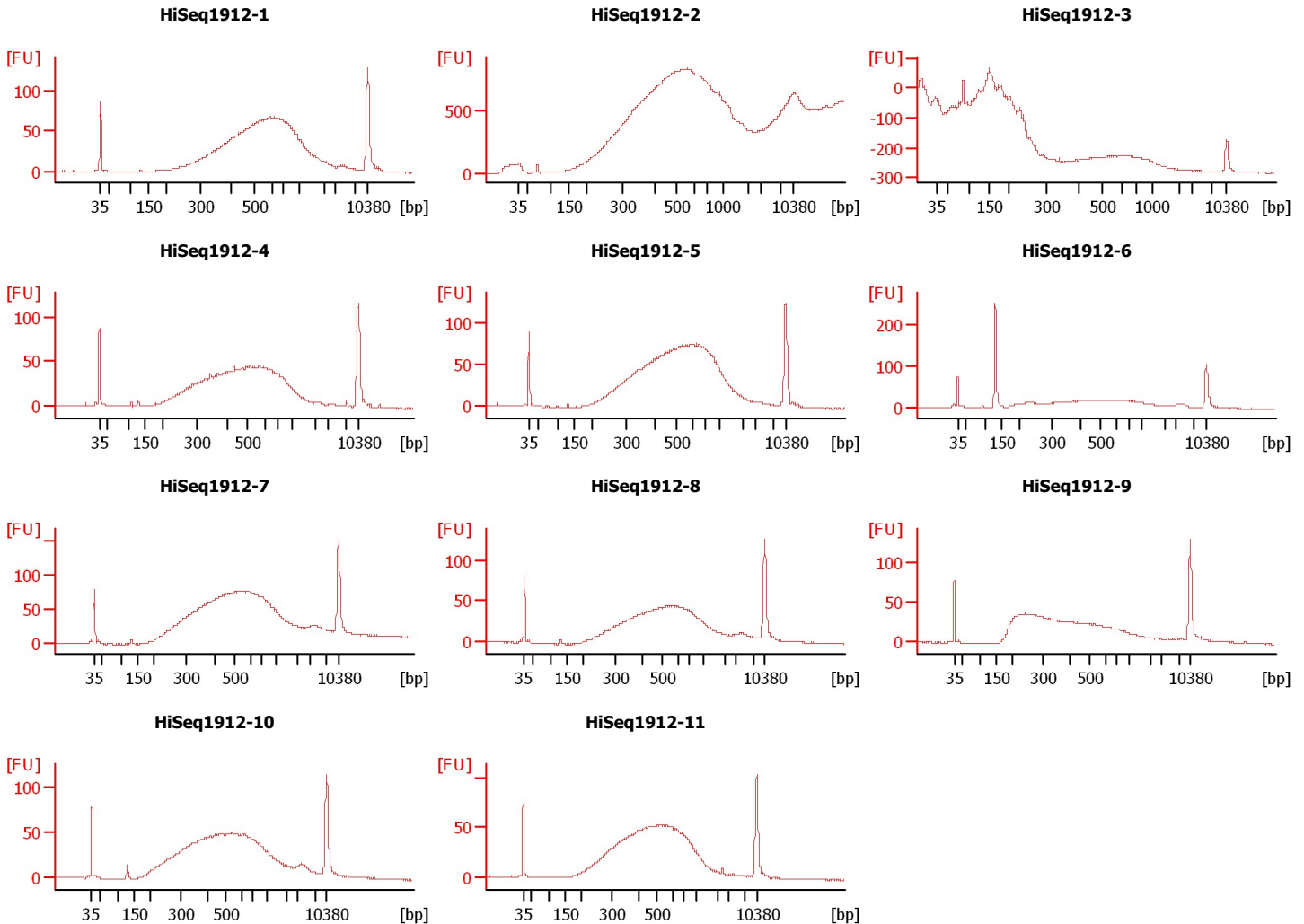
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HiSeq1912-1		<input type="checkbox"/>	✓			
HiSeq1912-2		<input type="checkbox"/>	✓			
HiSeq1912-3		<input type="checkbox"/>	✓			
HiSeq1912-4		<input type="checkbox"/>	✓			
HiSeq1912-5		<input type="checkbox"/>	✓			
HiSeq1912-6		<input type="checkbox"/>	✓			
HiSeq1912-7		<input type="checkbox"/>	✓			
HiSeq1912-8		<input type="checkbox"/>	✓			
HiSeq1912-9		<input type="checkbox"/>	✓			
HiSeq1912-10		<input type="checkbox"/>	✓			
HiSeq1912-11		<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\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
Modified: 10/16/2019 2:17:17 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

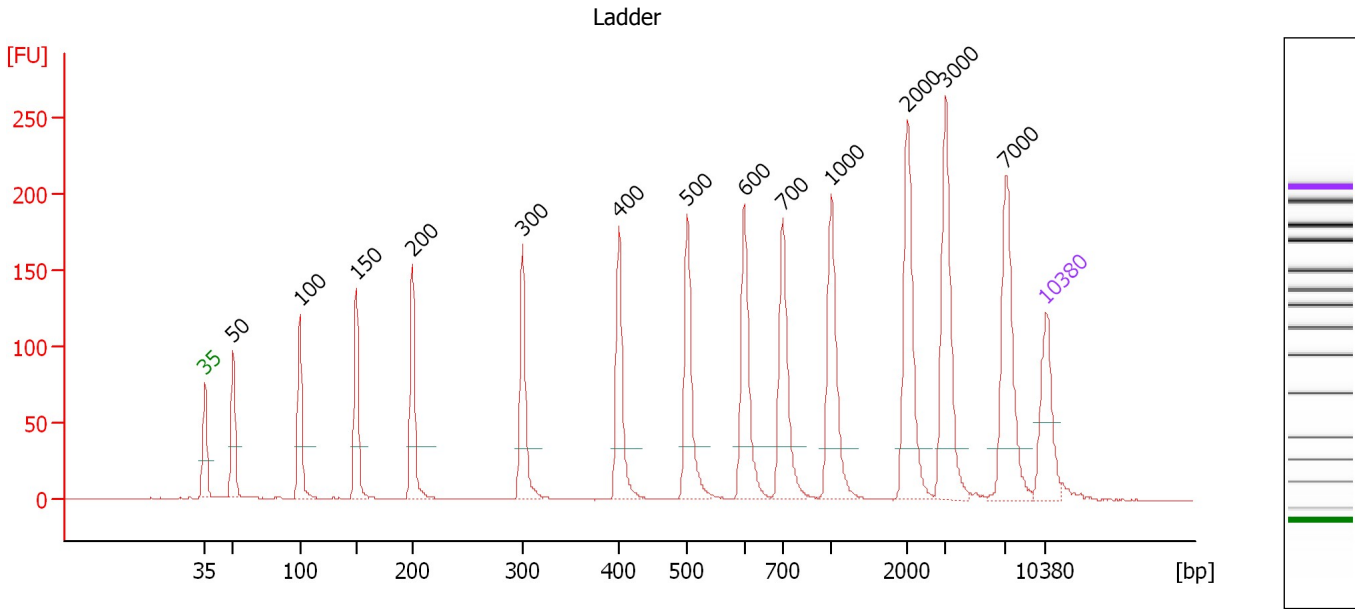
Ladder

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\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

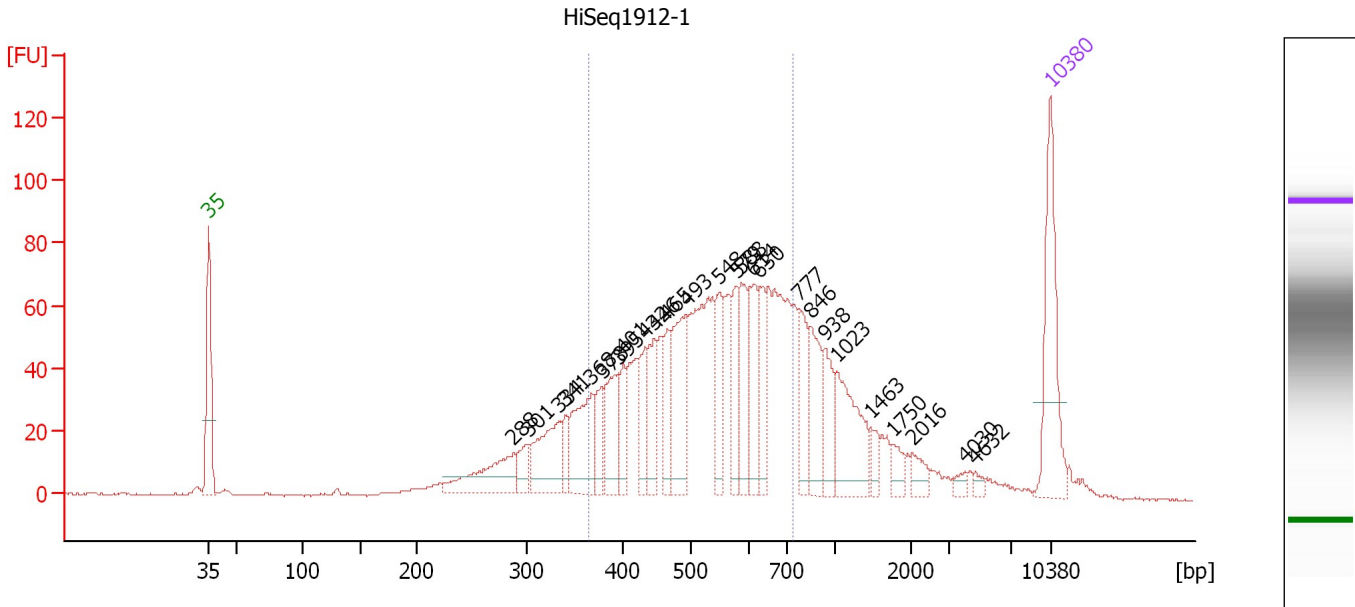
Peak table for Ladder

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	45.31
3	100	150.00	2,272.7	Ladder Peak	50.86
4	150	150.00	1,515.2	Ladder Peak	55.56
5	200	150.00	1,136.4	Ladder Peak	60.27
6	300	150.00	757.6	Ladder Peak	69.41
7	400	150.00	568.2	Ladder Peak	77.45
8	500	150.00	454.5	Ladder Peak	83.13
9	600	150.00	378.8	Ladder Peak	87.88
10	700	150.00	324.7	Ladder Peak	91.07
11	1,000	150.00	227.3	Ladder Peak	95.11
12	2,000	150.00	113.6	Ladder Peak	101.46
13	3,000	150.00	75.8	Ladder Peak	104.66
14	7,000	150.00	32.5	Ladder Peak	109.67
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : HiSeq1912-1

Number of peaks found: 26 Corr. Area 1: 1,148.8
 Noise: 0.3

Peak table for sample 1 : HiSeq1912-1

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	288	66.94	351.9		68.33
3	301	22.88	115.0		69.53
4	334	69.27	314.2		72.14
5	341	18.81	83.7		72.68
6	368	77.99	321.3		74.85
7	378	29.06	116.4		75.69
8	395	56.29	215.8		77.07
9	401	27.12	102.4		77.51
10	432	34.52	121.0		79.29
11	446	38.77	131.8		80.04
12	465	33.47	109.0		81.15
13	493	88.44	272.1		82.70
14	548	40.15	111.0		85.41
15	579	36.61	95.8		86.87
16	588	47.94	123.5		87.32
17	614	52.57	129.6		88.34
18	630	38.54	92.7		88.82
19	777	43.31	84.5		92.11
20	846	48.43	86.7		93.04
21	938	34.86	56.3		94.28
22	1,023	68.51	101.5		95.26
23	1,463	12.02	12.4		98.05
24	1,750	12.01	10.4		99.87
25	2,016	12.53	9.4		101.51

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : HiSeq1912-1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,030	5.31	2.0		105.95
27	4,632	3.84	1.3		106.70
28	10,380	75.00	10.9	Upper Marker	113.00

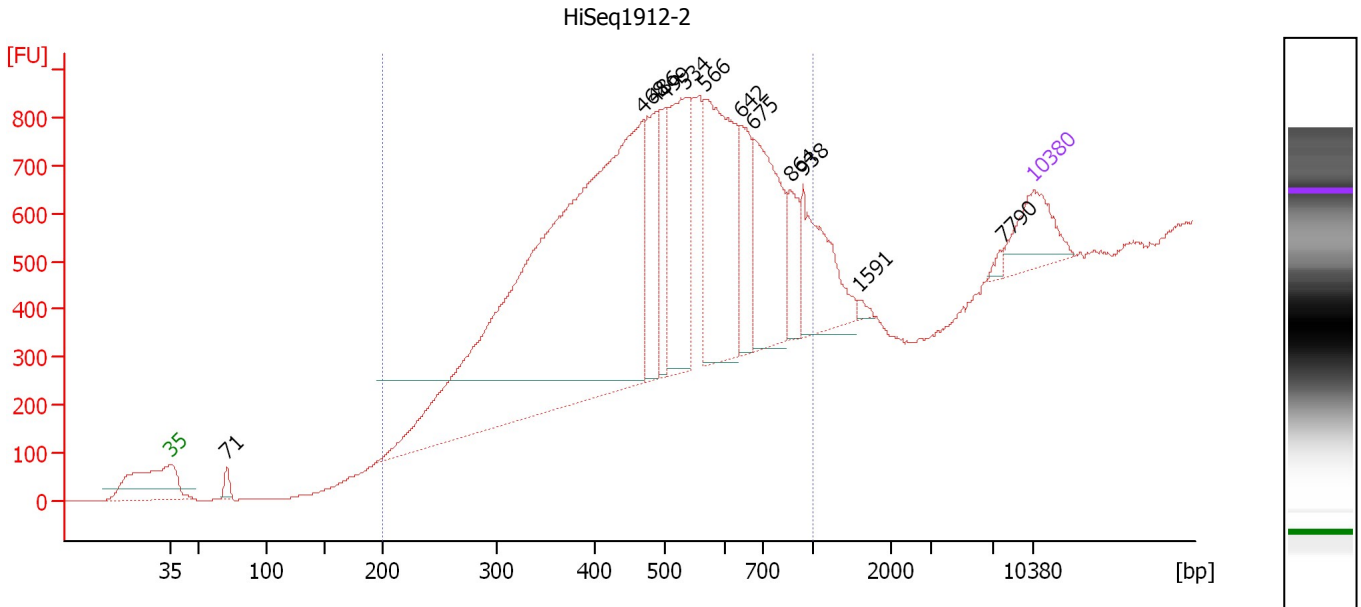
Region table for sample 1 : HiSeq1912-1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
365	742	531	979.83	1,148.8	2,935.0	61	18.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HiSeq1912-2

Number of peaks found: 12 Corr. Area 1: 14,006.3
 Noise: 0.6

Peak table for sample 2 : HiSeq1912-2

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	71	22.51	483.7		47.58
3	468	1,567.78	5,075.9		81.31
4	486	155.76	485.4		82.35
5	499	112.19	340.5		83.08
6	534	262.69	745.9		84.72
7	566	347.35	929.2		86.28
8	642	111.31	262.7		89.22
9	675	241.29	542.0		90.26
10	864	63.06	110.5		93.28
11	938	147.53	238.3		94.28
12	1,591	6.11	5.8		98.86
13	7,790	6.98	1.4		110.45
14	10,380	75.00	10.9	Upper Marker	113.00

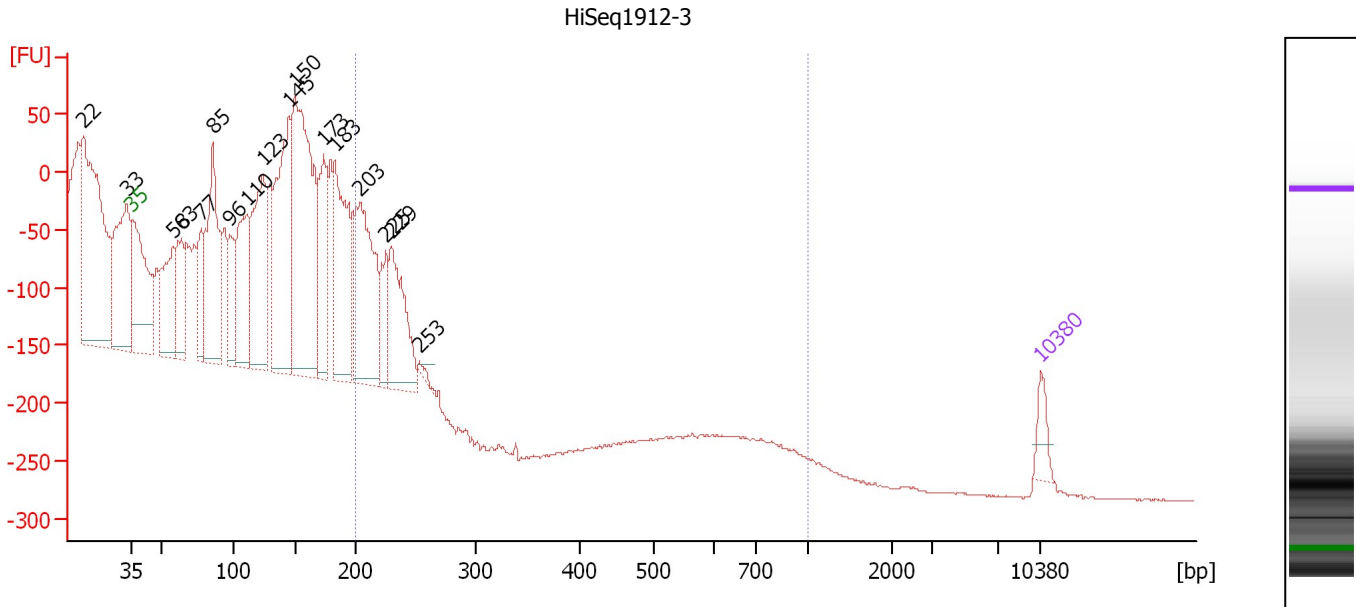
Region table for sample 2 : HiSeq1912-2

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	511	2,747.63	14,006.3	9,265.5	97	30.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HiSeq1912-3

Number of peaks found: 17 Corr. Area 1: 40.1
 Noise: 0.7

Peak table for sample 3 : HiSeq1912-3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	22	0.00	0.0		39.23
2	33	0.00	0.0		42.55
3	35	125.00	5,411.3	Lower Marker	43.00
4	58	611.61	16,072.9		46.16
5	63	406.53	9,746.5		46.77
6	77	323.90	6,384.3		48.29
7	85	1,037.70	18,497.3		49.19
8	96	338.33	5,314.6		50.46
9	110	707.45	9,726.8		51.82
10	123	957.17	11,764.5		53.05
11	145	1,252.72	13,123.8		55.06
12	150	1,894.84	19,158.1		55.55
13	173	571.92	4,997.7		57.76
14	183	906.79	7,526.7		58.62
15	203	982.07	7,342.3		60.51
16	225	254.76	1,718.3		62.52
17	229	588.28	3,890.3		62.93
18	253	19.20	115.1		65.10
19	10,380	75.00	10.9	Upper Marker	113.00

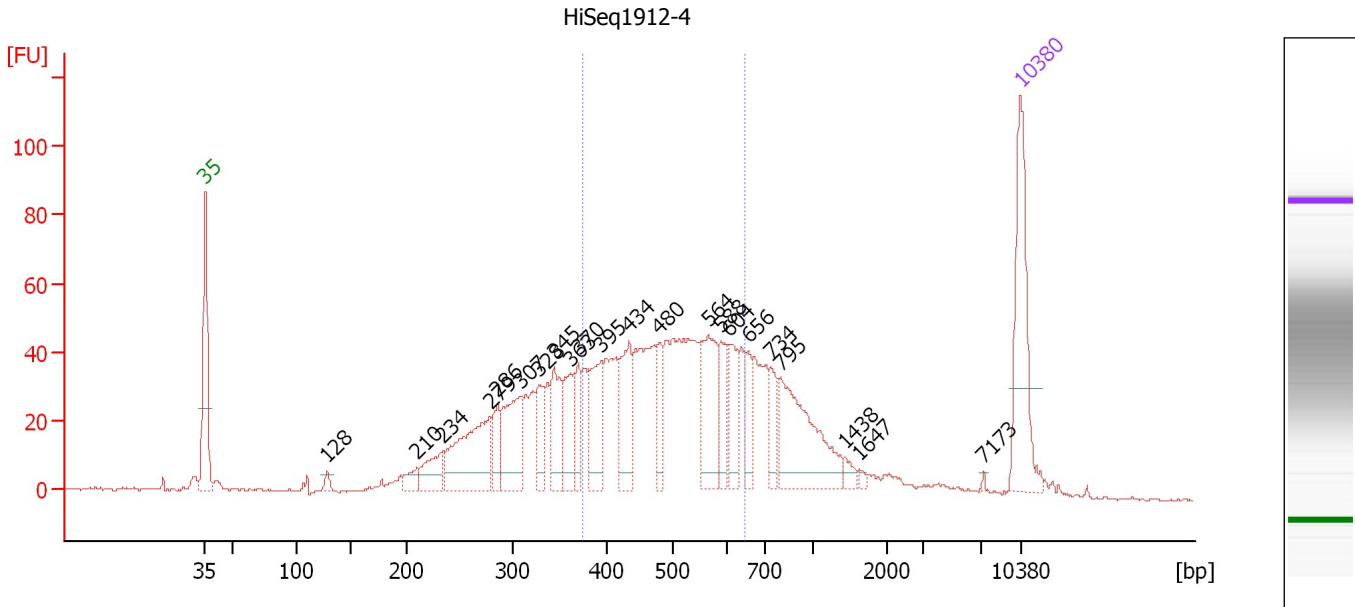
Region table for sample 3 : HiSeq1912-3

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	204	70.84	40.1	526.2	5	1.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HiSeq1912-4

Number of peaks found: 22 Corr. Area 1: 734.4
 Noise: 0.4

Peak table for sample 4 : HiSeq1912-4


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	128	7.07	83.7		53.48
3	210	14.20	102.5		61.18
4	234	34.18	220.9		63.42
5	279	106.56	578.7		67.49
6	286	26.95	143.0		68.09
7	307	72.05	355.1		70.01
8	328	31.36	144.9		71.66
9	345	47.69	209.7		72.99
10	363	41.85	174.8		74.45
11	370	27.02	110.6		75.05
12	395	58.61	225.0		77.02
13	434	56.06	195.6		79.40
14	480	28.65	90.4		82.01
15	564	62.60	168.1		86.17
16	588	34.16	88.0		87.32
17	604	36.64	91.9		88.00
18	656	24.33	56.2		89.65
19	734	25.12	51.9		91.53
20	795	102.26	194.9		92.35
21	1,438	6.32	6.7		97.89
22	1,647	2.31	2.1		99.22
23	7,173	0.89	0.2		109.84
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...

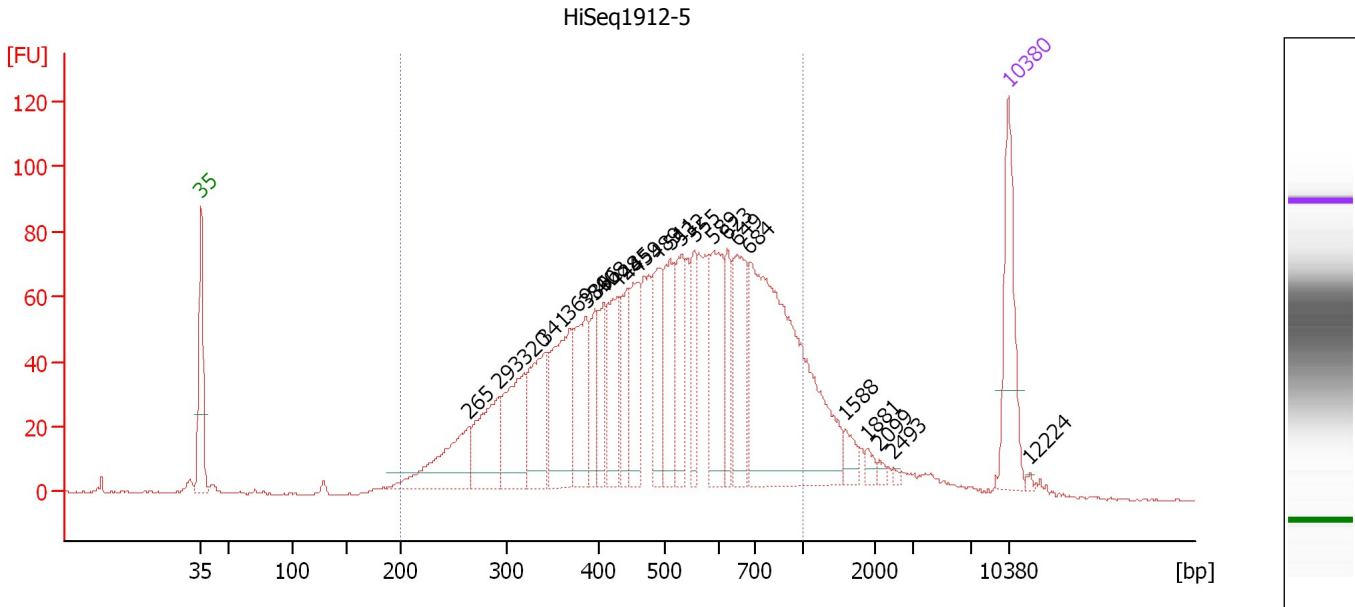
... Region table for sample 4 : HiSeq1912-4

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
375	648	497	653.68	734.4	2,056.4	 46	15.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HiSeq1912-5

Number of peaks found: 24 Corr. Area 1: 2,138.3
 Noise: 0.4

Peak table for sample 5 : HiSeq1912-5

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	265	105.68	604.7		66.19
3	293	94.14	487.1		68.76
4	320	103.45	490.3		70.99
5	341	96.11	426.9		72.71
6	369	120.92	496.6		74.95
7	386	88.18	345.8		76.35
8	396	44.05	168.7		77.09
9	408	48.38	179.8		77.88
10	428	78.94	279.3		79.05
11	445	57.44	195.7		79.98
12	459	73.19	241.8		80.77
13	489	72.72	225.4		82.49
14	511	72.93	216.2		83.66
15	532	68.70	195.7		84.64
16	555	46.13	125.9		85.75
17	589	101.61	261.5		87.34
18	623	43.14	105.0		88.60
19	649	95.12	222.2		89.43
20	684	369.54	818.9		90.55
21	1,588	14.53	13.9		98.84
22	1,881	6.72	5.4		100.70
23	2,099	3.90	2.8		101.78
24	2,493	2.13	1.3		103.03
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : HiSeq1912-5

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	12,224	0.00	0.0		114.82

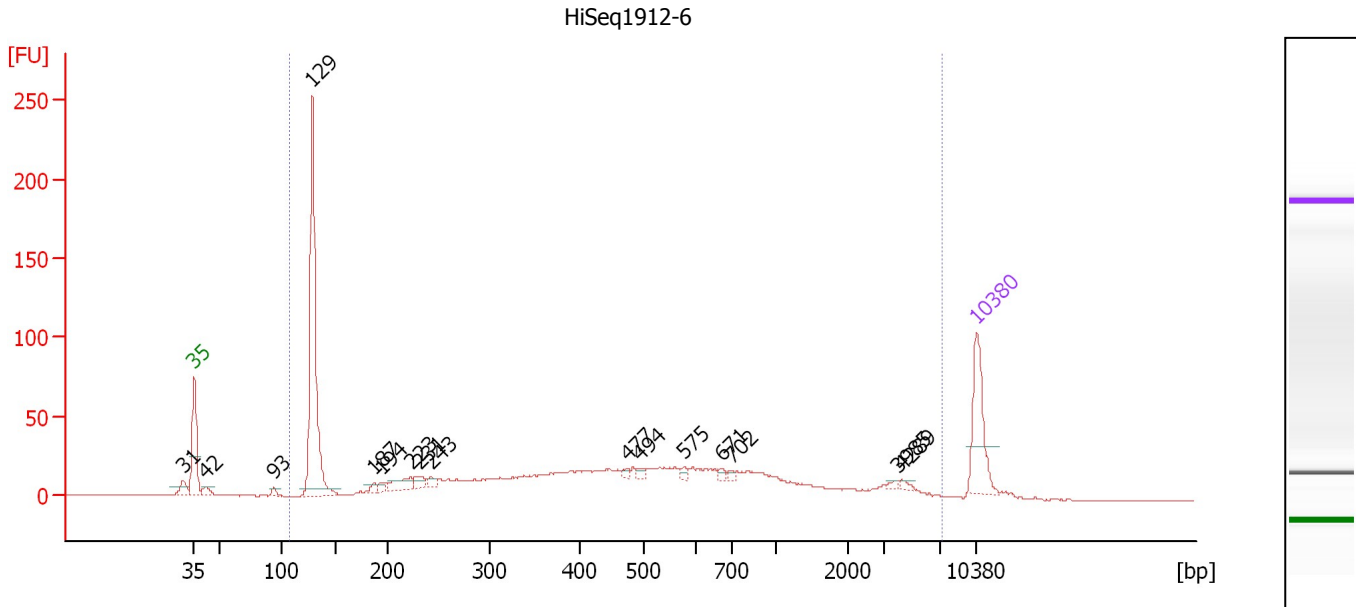
Region table for sample 5 : HiSeq1912-5

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	516	2,045.64	2,138.3	7,138.4	 88	34.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HiSeq1912-6

Number of peaks found: 16 Corr. Area 1: 1,110.8
 Noise: 0.3

Peak table for sample 6 : HiSeq1912-6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		42.00
2	35	125.00	5,411.3	Lower Marker	43.00
3	42	15.49	565.5		44.00
4	93	8.28	134.4		50.11
5	129	444.75	5,241.1		53.55
6	187	9.46	76.7		59.03
7	194	10.53	82.3		59.70
8	223	30.27	205.7		62.37
9	231	16.33	107.1		63.09
10	243	8.70	54.2		64.23
11	477	5.53	17.6		81.79
12	494	6.23	19.1		82.80
13	575	6.65	17.5		86.71
14	671	5.76	13.0		90.14
15	702	5.32	11.5		91.10
16	3,985	3.45	1.3		105.89
17	4,289	4.27	1.5		106.27
18	10,380	75.00	10.9	Upper Marker	113.00

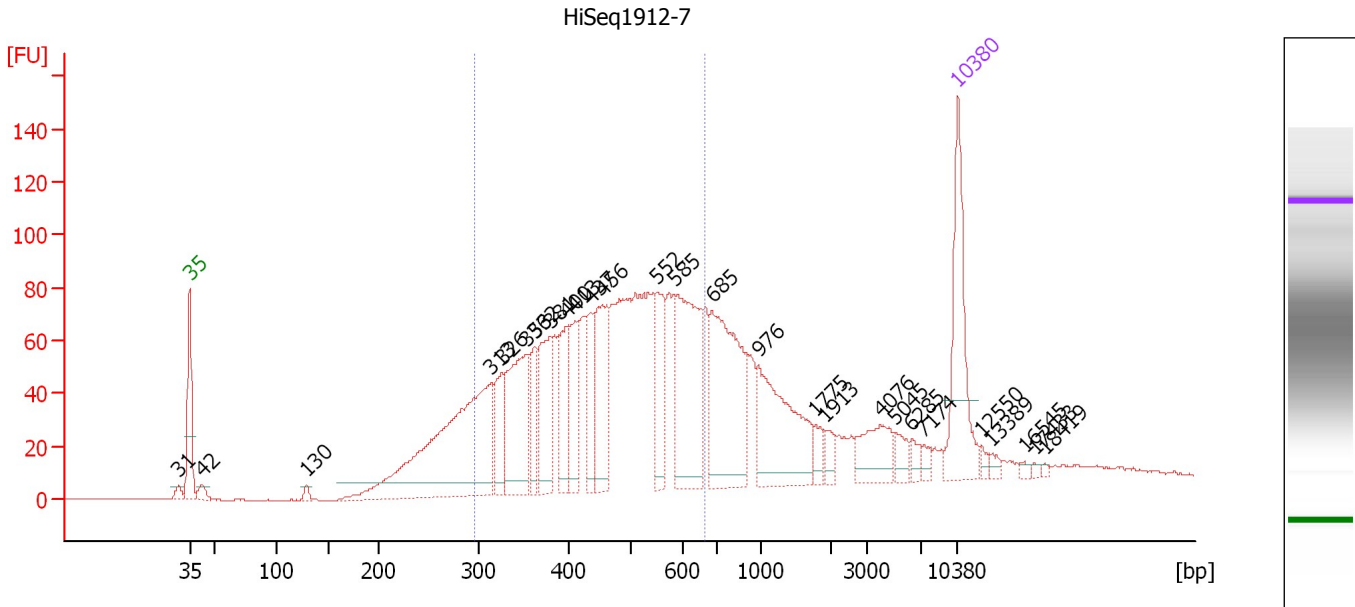
Region table for sample 6 : HiSeq1912-6

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
106	7,168	712	1,326.01	1,110.8	8,568.3	96	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

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 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : HiSeq1912-7

Number of peaks found: 27 Corr. Area 1: 1,615.5
 Noise: 0.2

Peak table for sample 7 : HiSeq1912-7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.98
2	35	125.00	5,411.3	Lower Marker	43.00
3	42	11.21	401.8		44.12
4	130	5.17	60.4		53.64
5	313	281.09	1,358.5		70.49
6	326	41.74	194.2		71.47
7	353	109.02	467.4		73.70
8	362	36.39	152.4		74.38
9	381	68.26	271.8		75.89
10	400	51.00	193.2		77.44
11	413	49.93	183.3		78.17
12	437	37.34	129.5		79.53
13	456	81.64	271.5		80.60
14	552	58.07	159.4		85.60
15	585	135.80	351.8		87.16
16	685	150.39	332.5		90.61
17	976	103.22	160.3		94.78
18	1,775	10.63	9.1		100.03
19	1,913	10.47	8.3		100.90
20	4,076	34.38	12.8		106.00
21	5,045	11.48	3.4		107.22
22	6,285	6.99	1.7		108.77
23	7,174	6.05	1.3		109.84
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,550	0.00	0.0		115.14

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad


Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...

... Peak table for sample 7 : HiSeq1912-7

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,389	0.00	0.0		115.96
27	16,545	0.00	0.0		119.07
28	17,433	0.00	0.0		119.95
29	18,419	0.00	0.0		120.92

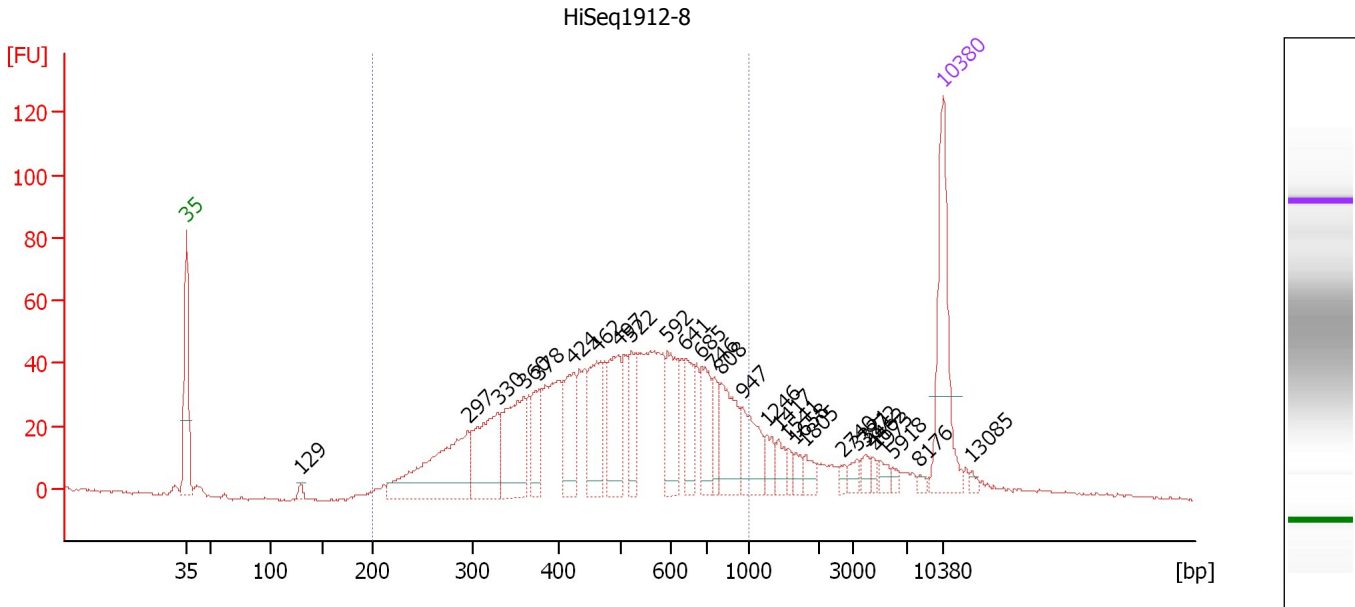
Region table for sample 7 : HiSeq1912-7

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
294	667	465	1,119.16	1,615.5	3,904.9	 62	21.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : HiSeq1912-8

Number of peaks found: 28 Corr. Area 1: 1,271.7
 Noise: 0.4

Peak table for sample 8 : HiSeq1912-8

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	129	5.60	65.9		53.56
3	297	132.47	676.8		69.10
4	330	82.17	377.5		71.81
5	360	81.67	343.8		74.23
6	378	36.13	144.9		75.66
7	424	52.87	188.9		78.81
8	462	58.15	190.6		80.98
9	497	61.76	188.3		82.96
10	522	32.94	95.5		84.19
11	592	48.34	123.7		87.50
12	641	31.19	73.8		89.17
13	685	37.71	83.4		90.60
14	746	21.63	43.9		91.69
15	808	49.51	92.8		92.53
16	947	40.85	65.3		94.40
17	1,246	11.85	14.4		96.67
18	1,417	10.55	11.3		97.76
19	1,541	6.00	5.9		98.55
20	1,658	6.87	6.3		99.29
21	1,805	9.55	8.0		100.22
22	2,740	3.99	2.2		103.82
23	3,321	6.78	3.1		105.06
24	3,872	6.17	2.4		105.75
25	4,462	4.22	1.4		106.49

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : HiSeq1912-8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,973	6.53	2.0		107.13
27	5,918	3.25	0.8		108.31
28	8,176	2.51	0.5		110.83
29	10,380	75.00	10.9	Upper Marker	113.00
30	13,085	0.00	0.0		115.66

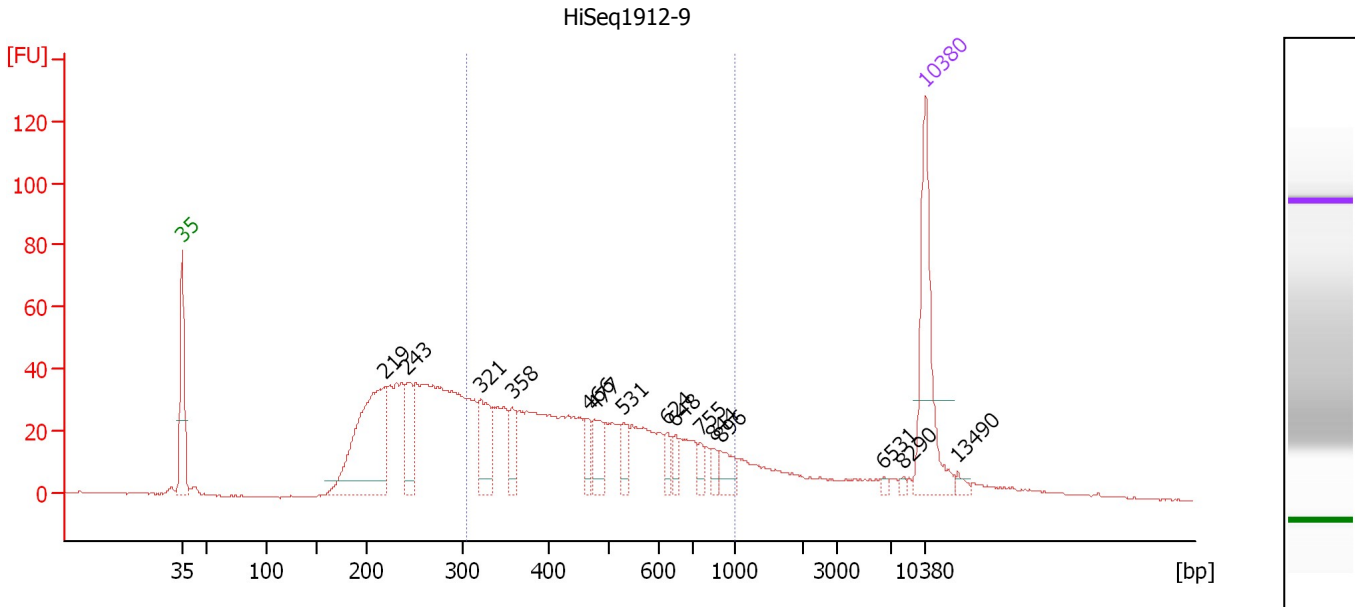
Region table for sample 8 : HiSeq1912-8

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	510	1,072.69	1,271.7	3,750.1	84	33.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : HiSeq1912-9

Number of peaks found: 15 Corr. Area 1: 735.1
 Noise: 0.3

Peak table for sample 9 : HiSeq1912-9

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	219	177.35	1,228.4		61.98
3	243	45.72	285.2		64.19
4	321	47.41	223.6		71.12
5	358	21.92	92.9		74.03
6	466	15.62	50.8		81.21
7	477	25.63	81.4		81.82
8	531	15.63	44.6		84.58
9	624	10.50	25.5		88.65
10	648	10.11	23.7		89.40
11	755	8.59	17.2		91.81
12	844	7.91	14.2		93.01
13	896	16.12	27.2		93.72
14	6,531	2.64	0.6		109.08
15	8,290	1.89	0.3		110.94
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,490	0.00	0.0		116.06

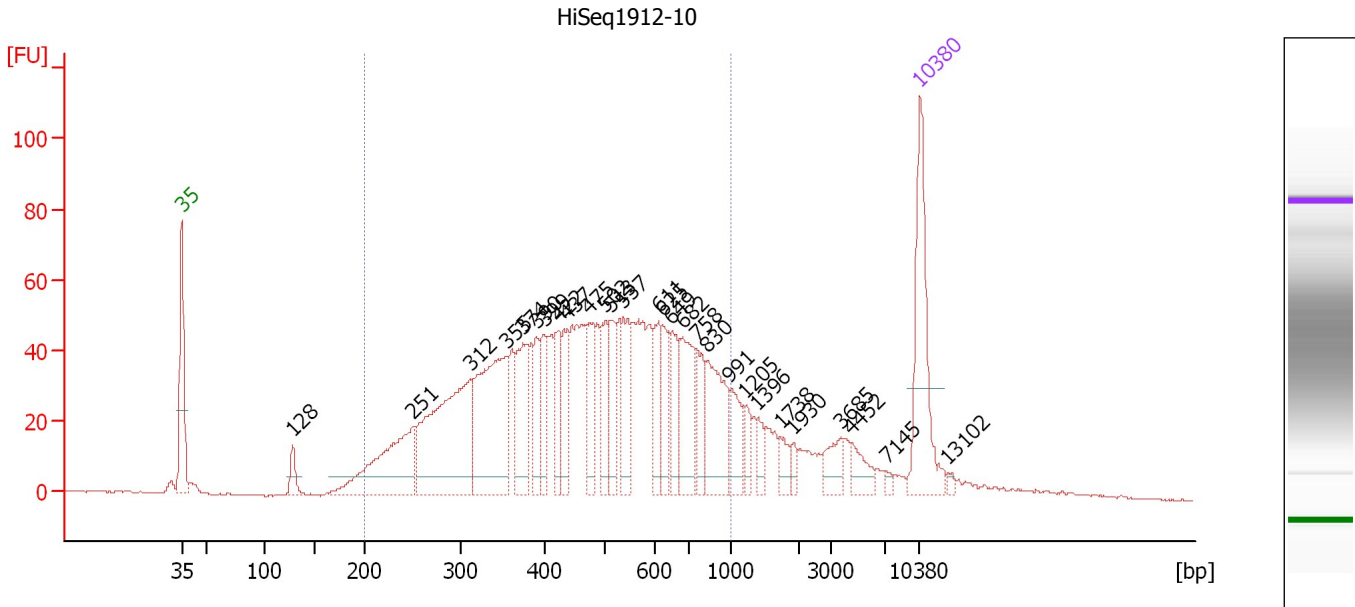
Region table for sample 9 : HiSeq1912-9

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
303	1,000	492	584.88	735.1	2,029.4	50	32.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : HiSeq1912-10

Number of peaks found: 28 Corr. Area 1: 1,597.0
 Noise: 0.3

Peak table for sample 10 : HiSeq1912-10

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	128	18.32	216.3		53.52
3	251	123.06	743.8		64.90
4	312	197.32	958.7		70.36
5	355	149.13	636.0		73.85
6	374	60.46	244.8		75.37
7	390	33.21	129.1		76.63
8	399	35.77	135.7		77.39
9	422	33.45	120.1		78.71
10	437	35.98	124.7		79.57
11	475	36.39	116.1		81.69
12	502	33.36	100.7		83.21
13	513	35.69	105.3		83.77
14	537	44.26	124.9		84.88
15	611	34.99	86.8		88.22
16	625	30.08	72.9		88.67
17	649	35.20	82.2		89.43
18	682	53.49	118.8		90.49
19	758	29.98	59.9		91.86
20	830	64.32	117.5		92.82
21	991	29.13	44.5		94.99
22	1,205	12.55	15.8		96.41
23	1,396	11.80	12.8		97.62
24	1,738	11.43	10.0		99.80
25	1,930	5.92	4.6		101.01

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...

... Peak table for sample 10 : HiSeq1912-10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	3,685	18.20	7.5		105.51
27	4,452	15.33	5.2		106.48
28	7,145	2.93	0.6		109.81
29	10,380	75.00	10.9	Upper Marker	113.00
30	13,102	0.00	0.0		115.68

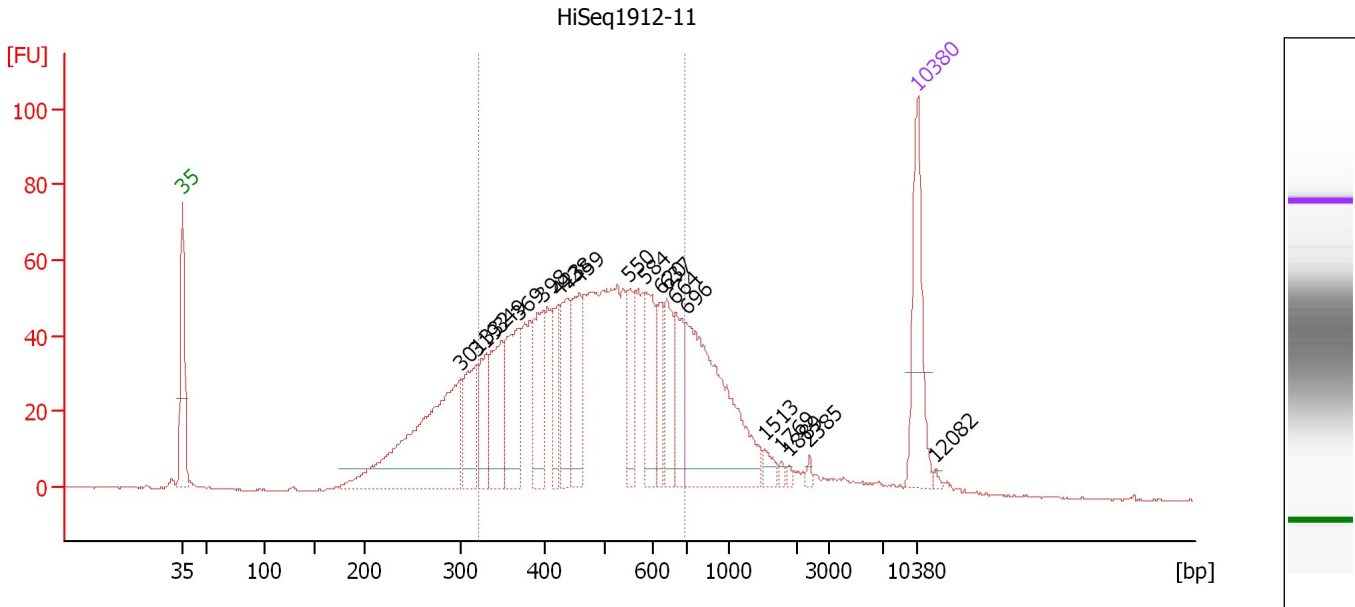
Region table for sample 10 : HiSeq1912-10

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	489	1,419.51	1,597.0	5,306.2	83	36.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : HiSeq1912-11

Number of peaks found: 20 Corr. Area 1: 1,149.6
 Noise: 0.2

Peak table for sample 11 : HiSeq1912-11

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	272.01	1,370.7		69.47
3	319	78.08	370.8		70.94
4	332	58.06	265.2		71.96
5	349	81.57	353.8		73.38
6	369	101.24	415.8		74.95
7	398	76.43	290.9		77.29
8	423	47.46	169.9		78.76
9	438	72.96	252.2		79.63
10	459	70.02	231.2		80.79
11	550	48.62	133.9		85.52
12	584	62.64	162.7		87.09
13	620	39.38	96.2		88.52
14	637	49.85	118.5		89.07
15	664	49.48	112.8		89.94
16	696	225.45	490.6		90.95
17	1,513	10.01	10.0		98.37
18	1,769	3.24	2.8		100.00
19	1,889	2.60	2.1		100.76
20	2,385	3.08	2.0		102.69
21	10,380	75.00	10.9	Upper Marker	113.00
22	12,082	0.00	0.0		114.68

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
Modified: 10/16/2019 2:17:17 PM

Electropherogram Summary Continued ...

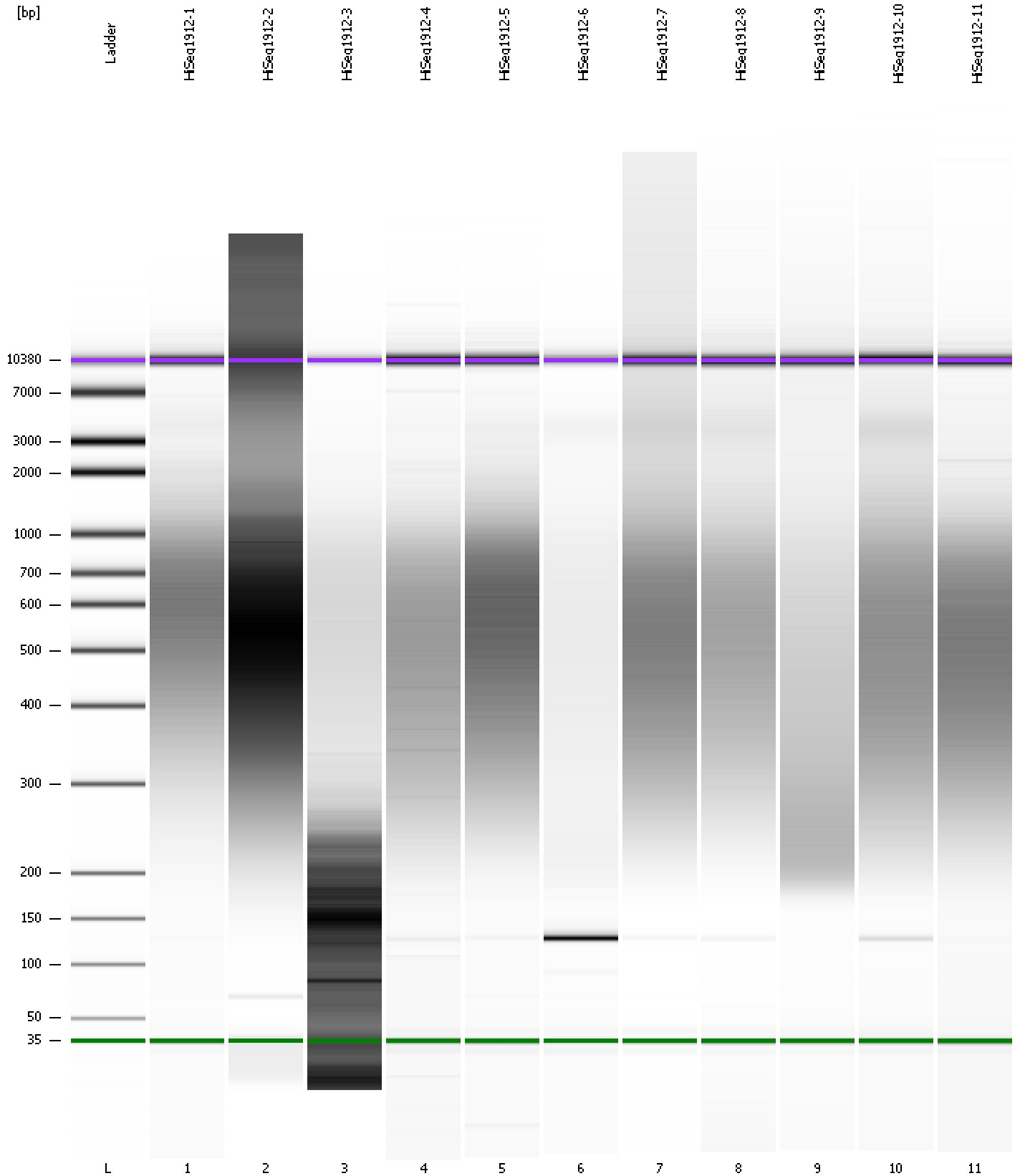
... Region table for sample 11 : HiSeq1912-11

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
323	690	482	1,267.81	1,149.6	4,234.3	 64	20.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
Modified: 10/16/2019 2:17:17 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-16\2019-10-16_001.xad

Created: 10/16/2019 1:05:17 PM
 Modified: 10/16/2019 2:17:17 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		10/16/2019 1:46:35 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\2019-10-16\2019-10-16_001.xad)		Instrument	Run		10/16/2019 1:05:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		10/16/2019 1:05:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/16/2019 1:05:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/16/2019 1:05:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		10/16/2019 1:05:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/16/2019 1:05:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/16/2019 1:05:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1