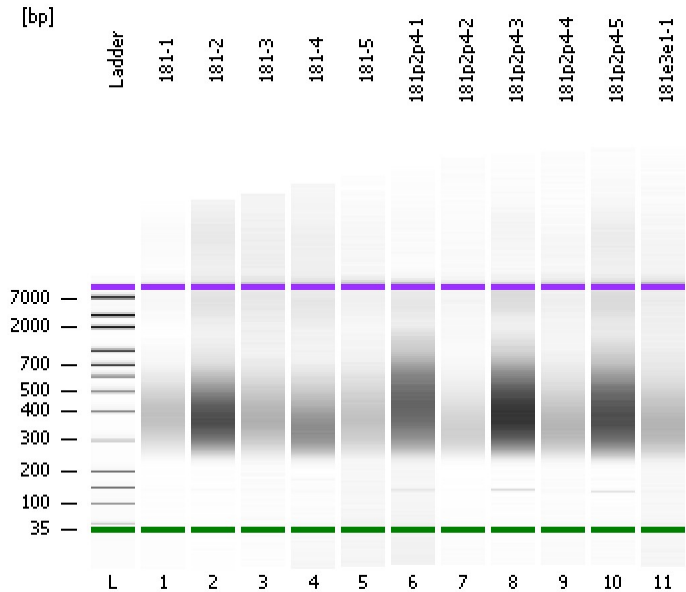


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
Modified: 1/31/2019 2:08:28 PM

Electrophoresis File Run Summary



Instrument Information:

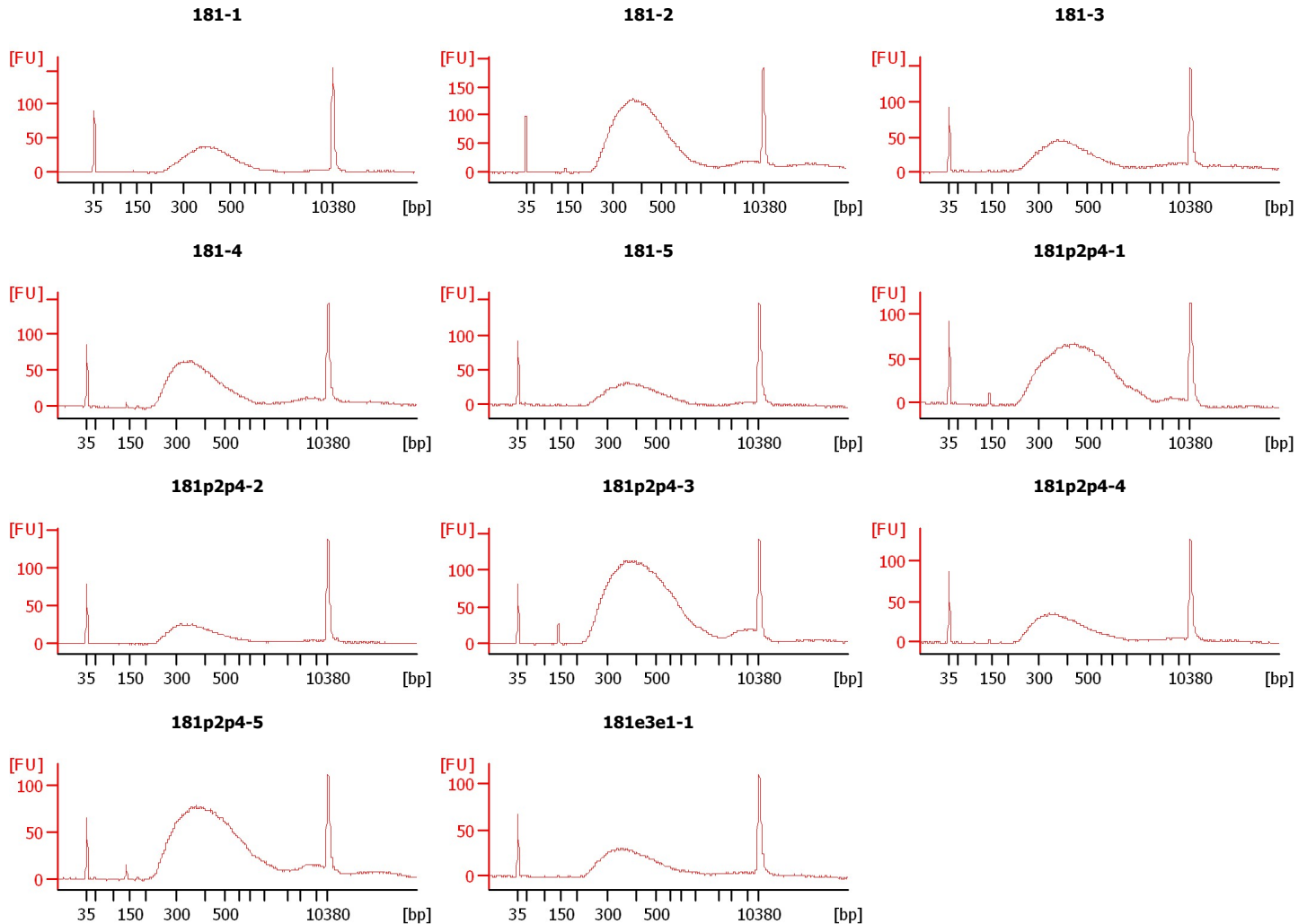
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
181-1		<input type="checkbox"/>	✓			
181-2		<input type="checkbox"/>	✓			
181-3		<input type="checkbox"/>	✓			
181-4		<input type="checkbox"/>	✓			
181-5		<input type="checkbox"/>	✓			
181p2p4-1		<input type="checkbox"/>	✓			
181p2p4-2		<input type="checkbox"/>	✓			
181p2p4-3		<input type="checkbox"/>	✓			
181p2p4-4		<input type="checkbox"/>	✓			
181p2p4-5		<input type="checkbox"/>	✓			
181e3e1-1		<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\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
Modified: 1/31/2019 2:08:28 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

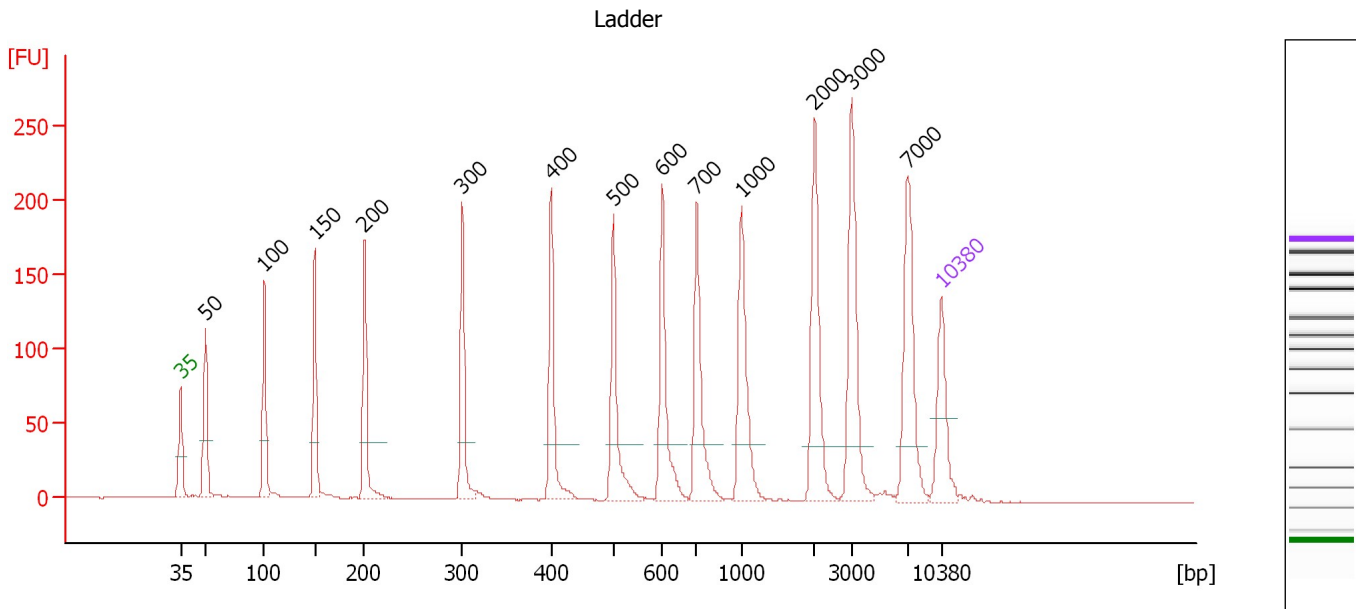
Ladder

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\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

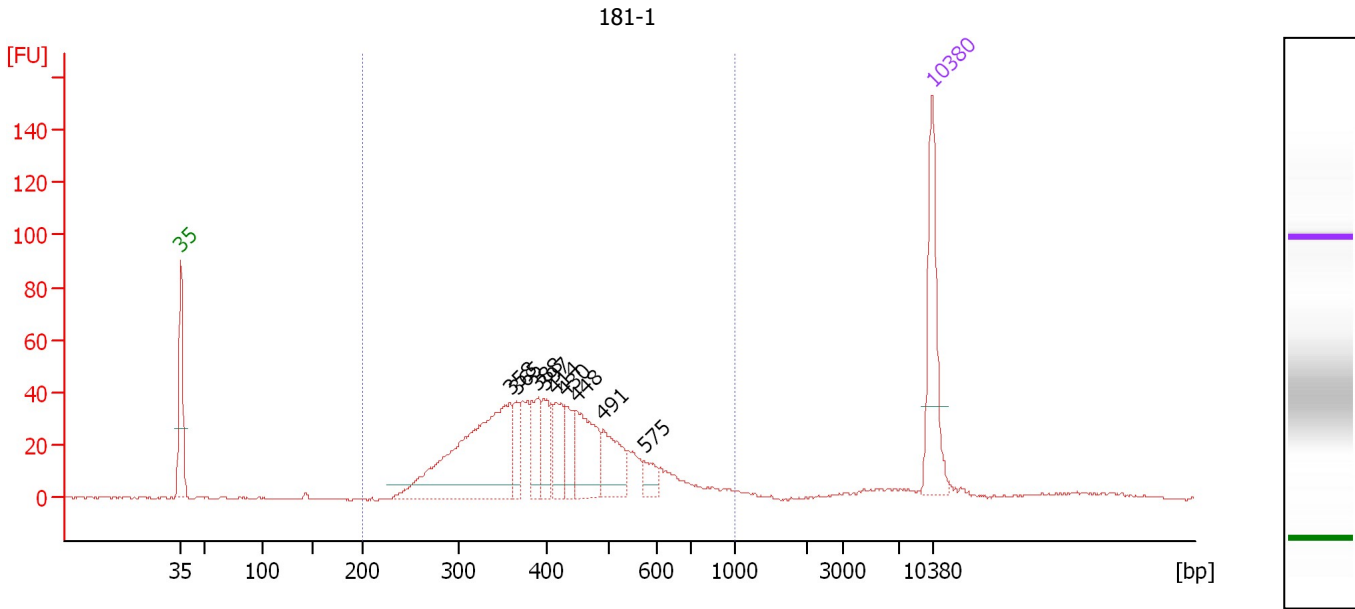
Peak table for Ladder

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	45.31
3	100	150.00	2,272.7	Ladder Peak	50.70
4	150	150.00	1,515.2	Ladder Peak	55.36
5	200	150.00	1,136.4	Ladder Peak	59.92
6	300	150.00	757.6	Ladder Peak	68.95
7	400	150.00	568.2	Ladder Peak	77.09
8	500	150.00	454.5	Ladder Peak	82.83
9	600	150.00	378.8	Ladder Peak	87.30
10	700	150.00	324.7	Ladder Peak	90.48
11	1,000	150.00	227.3	Ladder Peak	94.60
12	2,000	150.00	113.6	Ladder Peak	101.33
13	3,000	150.00	75.8	Ladder Peak	104.76
14	7,000	150.00	32.5	Ladder Peak	109.86
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 181-1

Number of peaks found: 9 Corr. Area 1: 831.3
 Noise: 0.3

Peak table for sample 1 : 181-1

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	358	245.97	1,040.7		73.68
3	365	27.18	112.9		74.23
4	388	40.77	159.2		76.11
5	397	35.38	135.0		76.86
6	414	39.43	144.3		77.90
7	430	31.78	112.1		78.79
8	448	75.41	255.1		79.84
9	491	54.07	166.8		82.32
10	575	15.01	39.5		86.19
11	10,380	75.00	10.9	Upper Marker	113.00

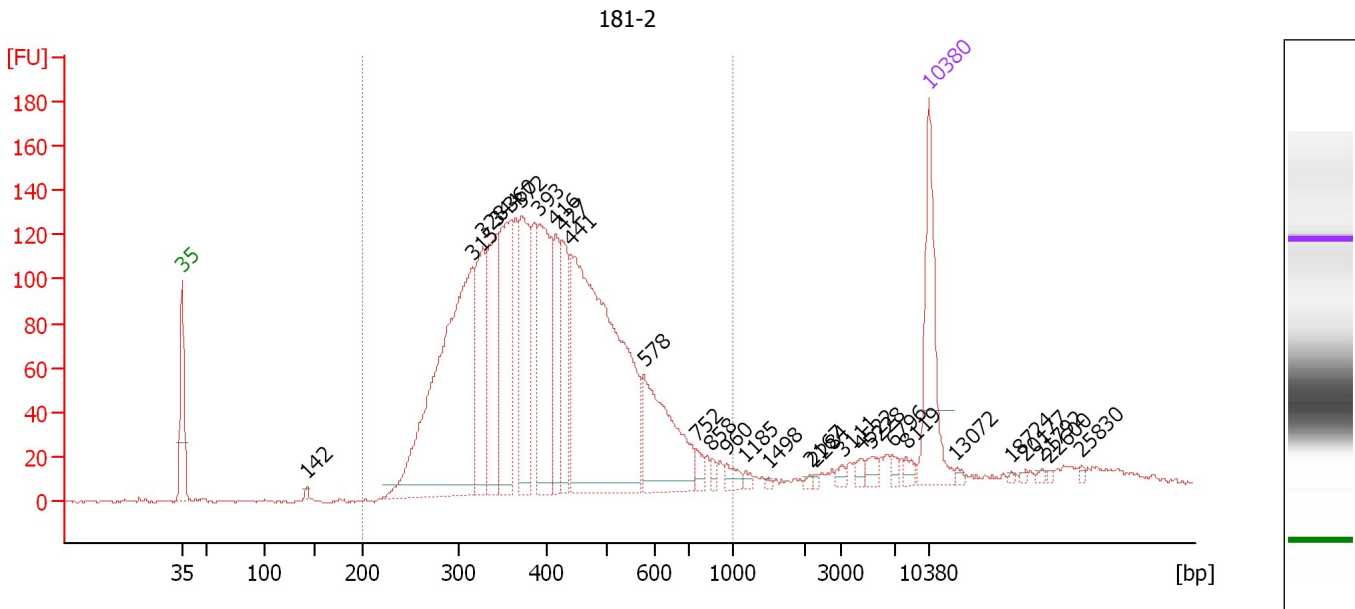
Region table for sample 1 : 181-1

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	423	701.98	831.3	2,752.5	91	27.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 181-2

Number of peaks found: 29 Corr. Area 1: 2,891.1
 Noise: 0.7

Peak table for sample 2 : 181-2

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	142	3.53	37.6		54.65
3	315	412.96	1,984.1		70.20
4	328	116.24	537.6		71.20
5	344	123.98	545.7		72.55
6	360	144.03	605.9		73.85
7	372	130.85	533.2		74.80
8	393	150.47	580.5		76.50
9	416	61.51	224.1		78.00
10	427	77.25	274.0		78.65
11	441	438.00	1,504.6		79.45
12	578	119.11	312.4		86.30
13	752	9.33	18.8		91.20
14	858	5.33	9.4		92.65
15	960	9.71	15.3		94.05
16	1,185	4.12	5.3		95.85
17	1,498	1.54	1.6		97.95
18	2,167	1.83	1.3		101.90
19	2,284	1.82	1.2		102.30
20	3,111	4.20	2.0		104.90
21	4,522	5.40	1.8		106.70
22	5,228	6.97	2.0		107.60
23	6,796	4.38	1.0		109.60
24	8,119	5.16	1.0		110.90
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : 181-2

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,072	0.00	0.0		115.50
27	18,724	0.00	0.0		120.75
28	20,177	0.00	0.0		122.10
29	21,792	0.00	0.0		123.60
30	22,600	0.00	0.0		124.35
31	25,830	0.00	0.0		127.35

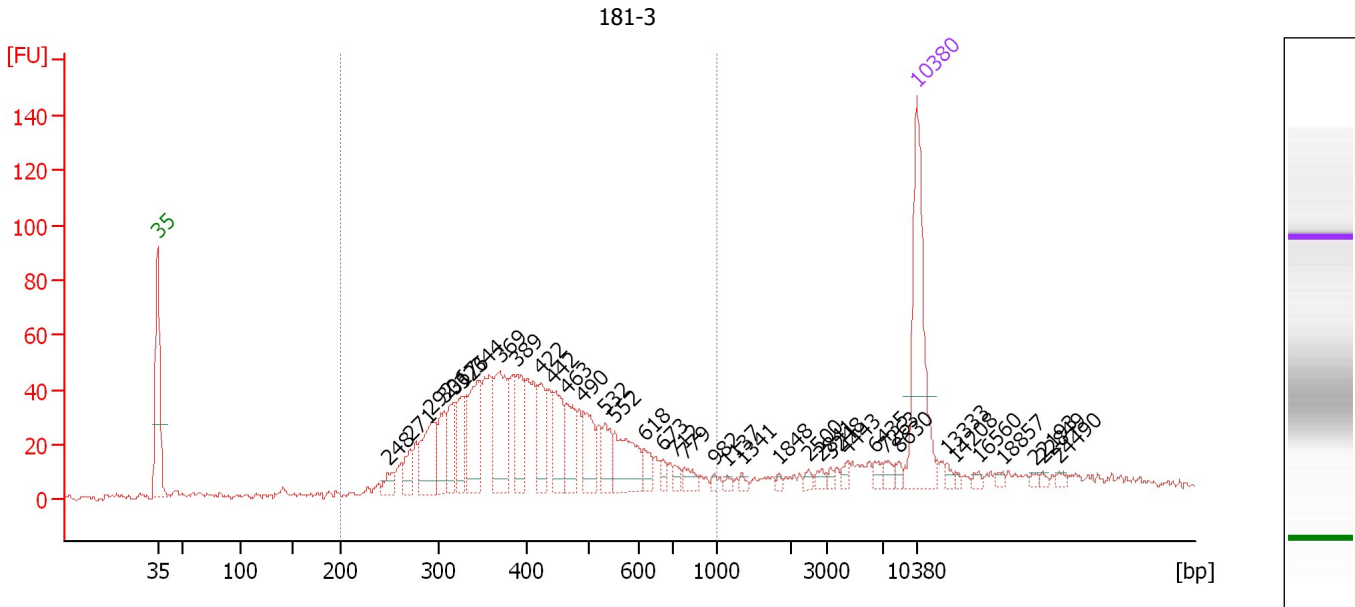
Region table for sample 2 : 181-2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	419	1,923.20	2,891.1	7,654.1	93	28.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 181-3

Number of peaks found: 37 Corr. Area 1: 978.4
 Noise: 1.2

Peak table for sample 3 : 181-3

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	248	10.51	64.2		64.23
3	271	17.07	95.5		66.32
4	292	45.14	234.5		68.20
5	306	25.11	124.2		69.47
6	317	27.51	131.5		70.33
7	326	28.97	134.5		71.09
8	344	57.72	253.9		72.56
9	369	58.38	239.9		74.55
10	389	34.75	135.4		76.17
11	422	26.94	96.7		78.36
12	442	33.52	114.8		79.52
13	463	28.19	92.3		80.69
14	490	28.68	88.6		82.27
15	532	20.34	57.9		84.25
16	552	38.54	105.8		85.16
17	618	10.84	26.6		87.85
18	673	5.42	12.2		89.63
19	712	4.97	10.6		90.65
20	779	7.82	15.2		91.56
21	982	2.22	3.4		94.36
22	1,137	2.63	3.5		95.53
23	1,341	2.58	2.9		96.90
24	1,848	1.74	1.4		100.30
25	2,500	3.10	1.9		103.04

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad


Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : 181-3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,841	3.61	1.9		104.21
27	3,248	2.35	1.1		105.08
28	4,443	3.84	1.3		106.60
29	6,435	4.12	1.0		109.14
30	7,263	5.44	1.1		110.10
31	8,630	3.23	0.6		111.37
32	10,380	75.00	10.9	Upper Marker	113.00
33	13,333	0.00	0.0		115.74
34	14,208	0.00	0.0		116.56
35	16,560	0.00	0.0		118.74
36	18,857	0.00	0.0		120.87
37	22,193	0.00	0.0		123.97
38	22,849	0.00	0.0		124.58
39	24,490	0.00	0.0		126.11

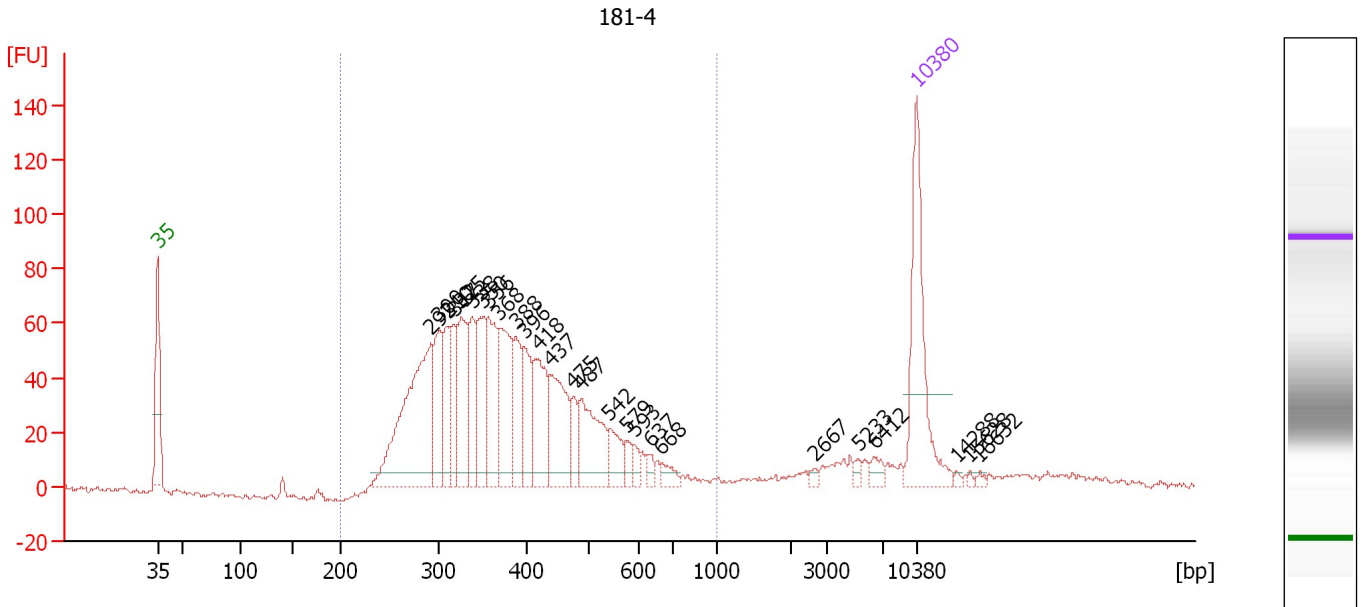
Region table for sample 3 : 181-3

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	424	727.37	978.4	2,876.6	 85	29.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 181-4

Number of peaks found: 26 Corr. Area 1: 1,320.4
 Noise: 1.0

Peak table for sample 4 : 181-4

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	292	168.35	874.5		68.20
3	300	52.65	265.6		68.98
4	310	41.17	201.3		69.76
5	317	41.27	197.3		70.33
6	325	60.34	281.1		71.00
7	338	46.66	209.2		72.04
8	350	55.06	238.4		73.02
9	356	58.73	250.1		73.49
10	368	70.06	288.6		74.47
11	388	36.44	142.5		76.08
12	396	39.51	151.0		76.81
13	418	56.56	205.2		78.10
14	437	61.12	212.1		79.19
15	475	17.32	55.3		81.37
16	487	57.43	178.6		82.10
17	542	20.13	56.3		84.69
18	579	7.65	20.0		86.35
19	593	6.63	16.9		86.97
20	637	5.31	12.6		88.47
21	668	7.92	18.0		89.46
22	2,667	2.57	1.5		103.61
23	5,233	3.18	0.9		107.61
24	6,412	6.16	1.5		109.11
25	10,380	75.00	10.9	Upper Marker	113.00


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...**... Peak table for sample 4 : 181-4**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	14,288	0.00	0.0		116.63
27	15,628	0.00	0.0		117.87
28	16,632	0.00	0.0		118.81

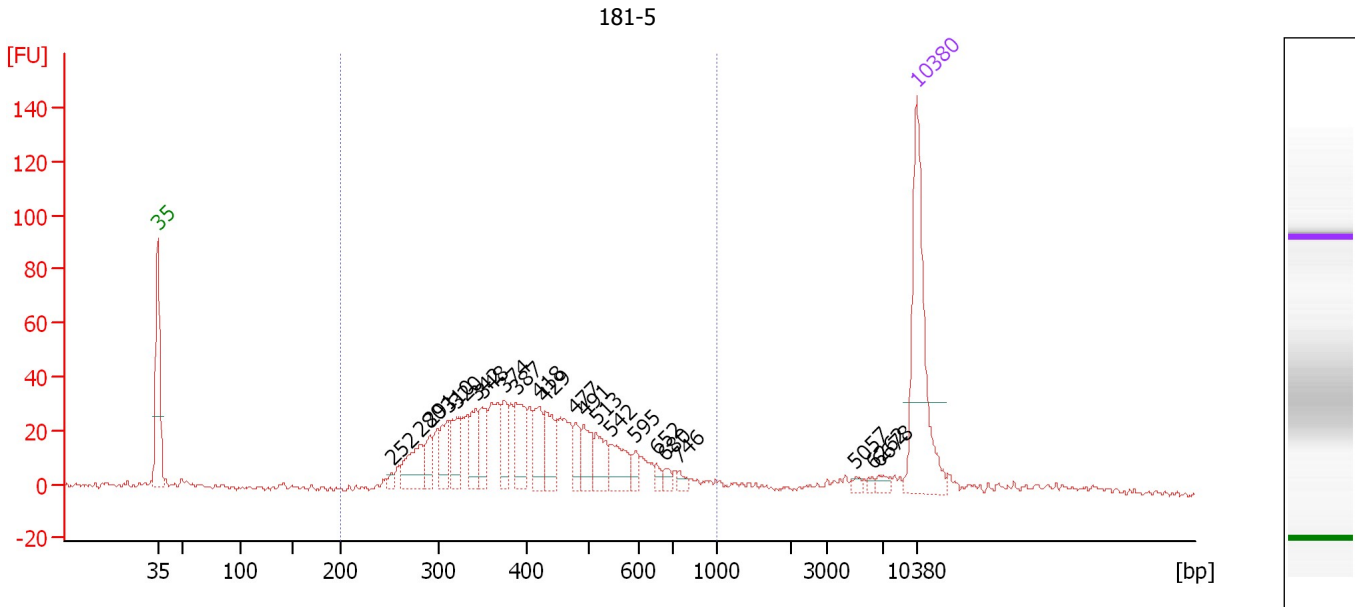
Region table for sample 4 : 181-4

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	387	930.00	1,320.4	3,947.5	 92	26.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 181-5

Number of peaks found: 22 Corr. Area 1: 733.2
 Noise: 1.2

Peak table for sample 5 : 181-5


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	252	3.73	22.4		64.62
3	280	29.87	161.5		67.16
4	291	14.08	73.4		68.12
5	310	23.88	116.7		69.76
6	320	21.41	101.5		70.55
7	342	23.65	104.8		72.36
8	348	21.67	94.2		72.89
9	374	20.50	83.1		74.95
10	387	30.41	118.9		76.07
11	418	22.71	82.3		78.13
12	429	24.36	86.0		78.77
13	477	13.53	43.0		81.52
14	491	18.73	57.8		82.32
15	513	19.98	59.0		83.43
16	542	22.01	61.6		84.70
17	595	6.68	17.0		87.09
18	652	4.39	10.2		88.94
19	680	4.39	9.8		89.84
20	746	3.67	7.5		91.12
21	5,057	2.91	0.9		107.38
22	6,262	1.91	0.5		108.92
23	6,678	3.74	0.8		109.45
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...

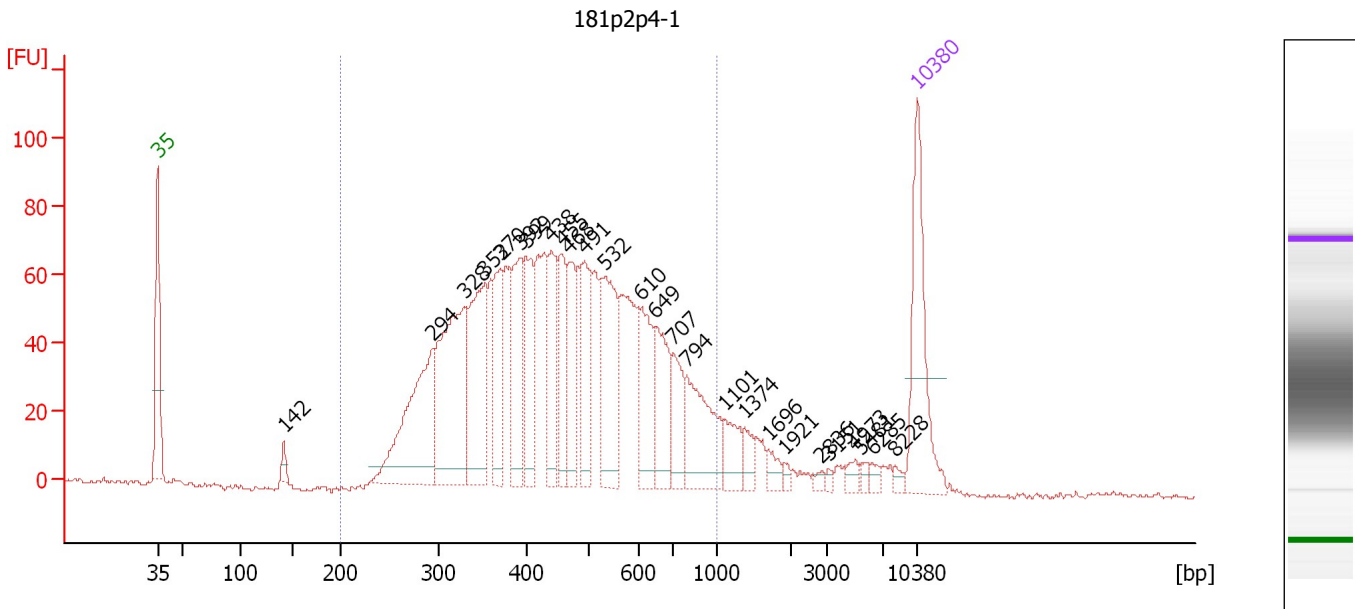
... Region table for sample 5 : 181-5

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	425	479.40	733.2	1,887.4	 88	29.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 181p2p4-1

Number of peaks found: 26 Corr. Area 1: 1,904.9
 Noise: 0.7

Peak table for sample 6 : 181p2p4-1

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	142	9.96	106.3		54.61
3	294	146.67	756.5		68.39
4	328	171.08	789.7		71.25
5	352	112.86	485.6		73.19
6	370	62.53	256.1		74.65
7	392	73.42	283.8		76.43
8	399	62.30	236.8		76.97
9	438	58.20	201.2		79.30
10	455	53.03	176.4		80.27
11	468	54.60	176.9		80.97
12	491	59.89	184.8		82.32
13	532	93.03	264.9		84.27
14	610	55.54	138.0		87.61
15	649	56.85	132.7		88.86
16	707	37.82	81.0		90.58
17	794	69.95	133.5		91.77
18	1,101	23.23	32.0		95.28
19	1,374	12.87	14.2		97.12
20	1,696	8.93	8.0		99.28
21	1,921	3.06	2.4		100.79
22	2,836	3.38	1.8		104.20
23	3,151	2.43	1.2		104.95
24	4,973	6.31	1.9		107.27
25	5,481	3.82	1.1		107.92

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : 181p2p4-1

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	6,285	4.33	1.0		108.95
27	8,228	4.05	0.7		111.00
28	10,380	75.00	10.9	Upper Marker	113.00

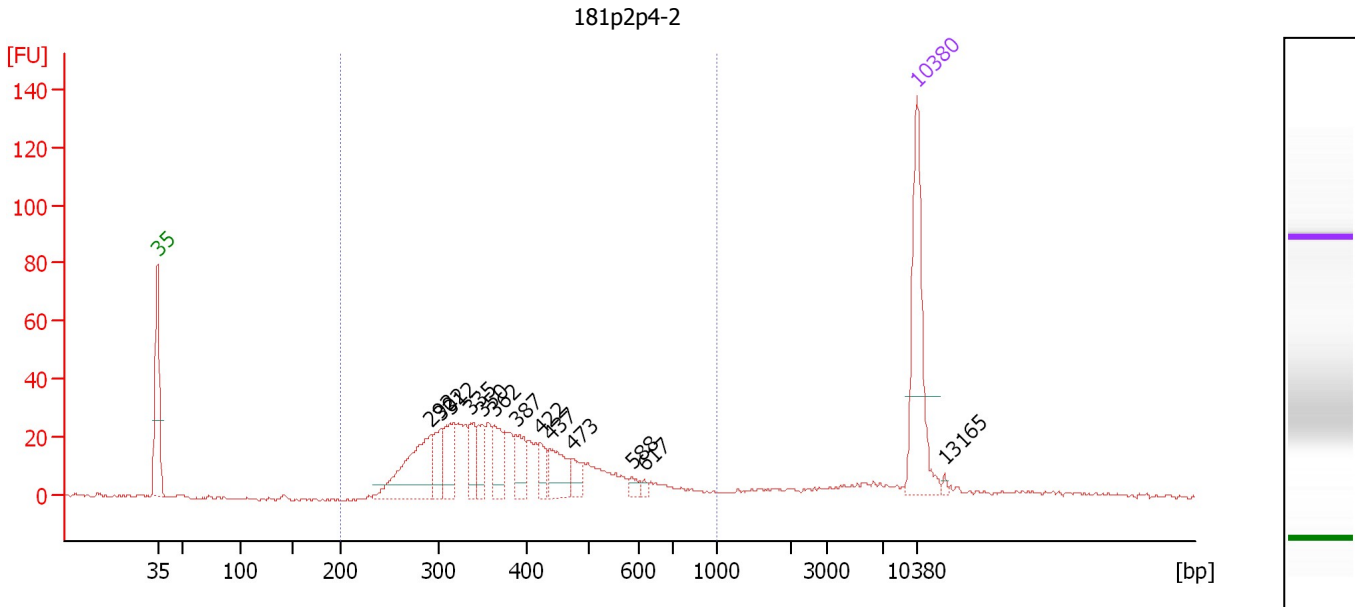
Region table for sample 6 : 181p2p4-1

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	473	1,546.94	1,904.9	5,662.0	90	32.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

Created: 1/31/2019 1:27:06 PM
 Modified: 1/31/2019 2:08:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 181p2p4-2

Number of peaks found: 13 Corr. Area 1: 517.6
 Noise: 0.5

Peak table for sample 7 : 181p2p4-2

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	292	86.38	448.6		68.20
3	302	26.68	134.0		69.08
4	312	31.70	153.7		69.97
5	335	25.20	113.8		71.84
6	350	20.94	90.7		72.99
7	362	29.68	124.1		74.04
8	387	23.29	91.1		76.07
9	422	15.16	54.5		78.33
10	437	32.07	111.2		79.21
11	473	14.22	45.5		81.30
12	588	5.75	14.8		86.75
13	617	3.24	8.0		87.85
14	10,380	75.00	10.9	Upper Marker	113.00
15	13,165	0.00	0.0		115.59

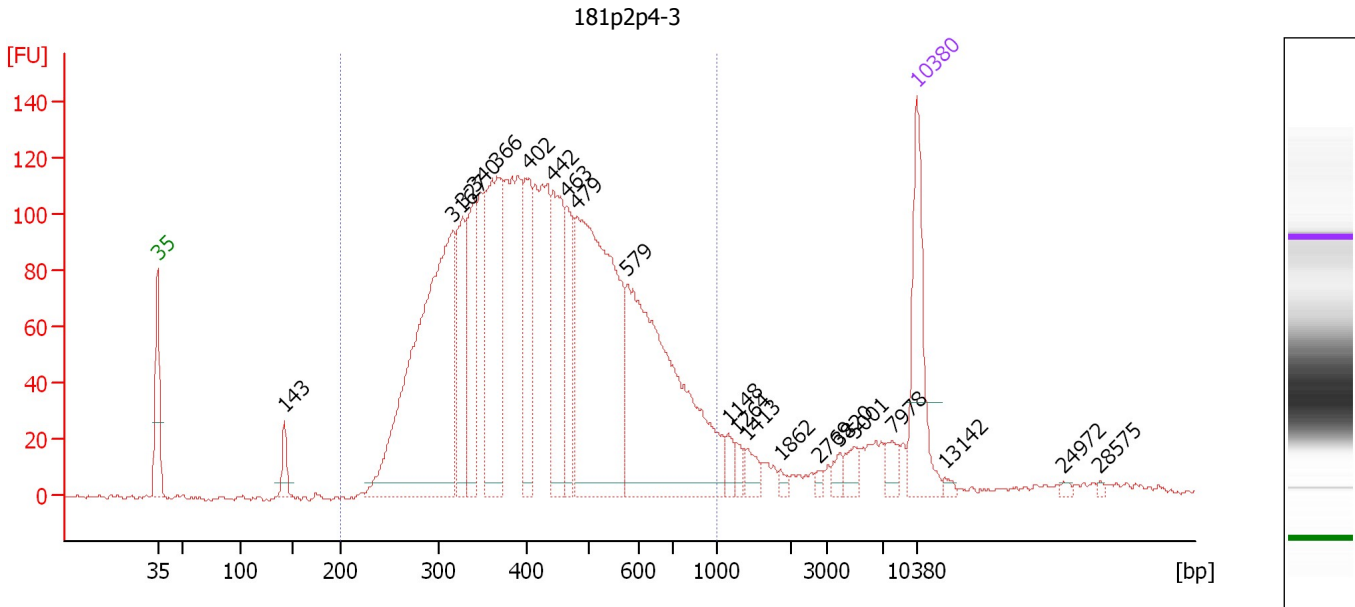
Region table for sample 7 : 181p2p4-2

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	392	446.64	517.6	1,885.1	90	28.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : 181p2p4-3

Number of peaks found: 21 Corr. Area 1: 3,032.5
 Noise: 0.9

Peak table for sample 8 : 181p2p4-3

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	143	22.68	240.2		54.71
3	316	440.16	2,108.6		70.27
4	327	93.52	433.9		71.11
5	340	101.19	450.6		72.23
6	366	189.87	786.9		74.29
7	402	91.21	344.0		77.19
8	442	120.54	413.6		79.48
9	463	69.02	225.9		80.71
10	479	354.40	1,119.9		81.65
11	579	323.08	846.1		86.34
12	1,148	11.35	15.0		95.60
13	1,264	7.84	9.4		96.38
14	1,413	13.18	14.1		97.38
15	1,862	4.32	3.5		100.39
16	2,769	3.89	2.1		103.96
17	3,820	7.94	3.1		105.80
18	5,001	12.04	3.6		107.31
19	7,978	12.35	2.3		110.77
20	10,380	75.00	10.9	Upper Marker	113.00
21	13,142	0.00	0.0		115.57
22	24,972	0.00	0.0		126.55
23	28,575	0.00	0.0		129.90

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

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Electropherogram Summary Continued ...

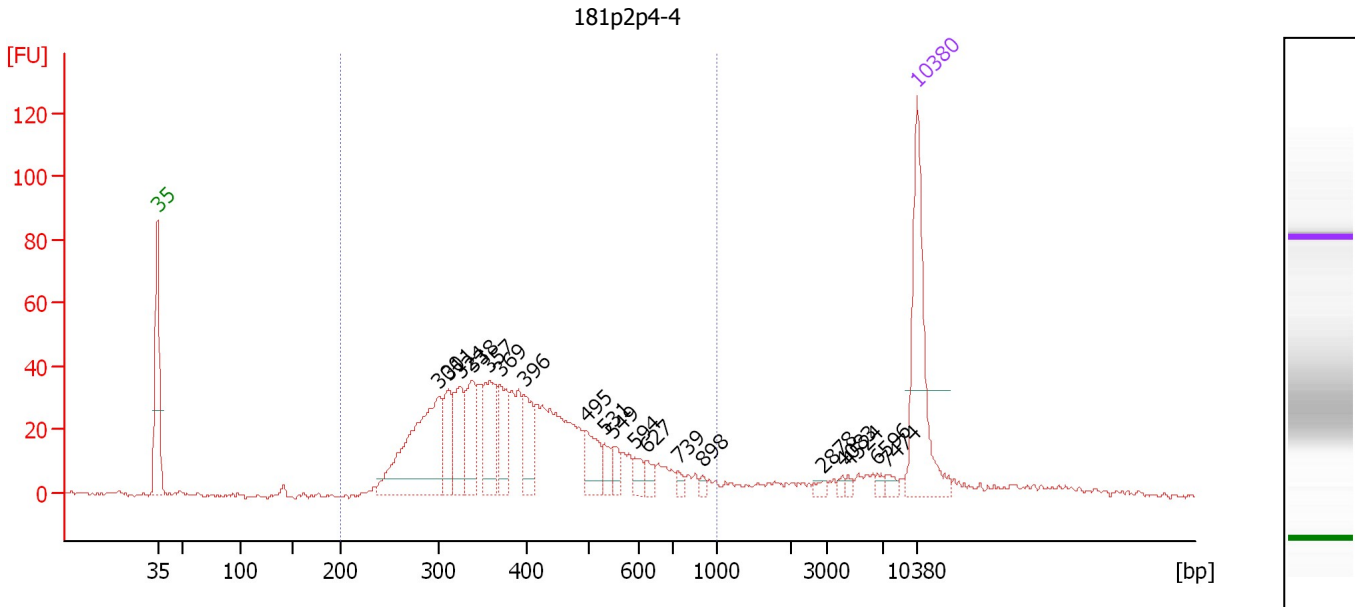
... Region table for sample 8 : 181p2p4-3

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	448	2,259.17	3,032.5	8,652.6	 89	32.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : 181p2p4-4

Number of peaks found: 19 Corr. Area 1: 812.1
 Noise: 0.8

Peak table for sample 9 : 181p2p4-4

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	300	134.95	682.3		68.92
3	311	32.93	160.6		69.82
4	324	43.92	205.5		70.89
5	338	40.16	180.2		72.01
6	357	49.68	210.9		73.59
7	369	36.12	148.2		74.60
8	396	30.42	116.3		76.79
9	495	27.62	84.6		82.53
10	531	12.42	35.4		84.21
11	549	9.99	27.6		85.00
12	594	9.90	25.3		87.02
13	627	7.91	19.1		88.15
14	739	4.33	8.9		91.02
15	898	3.03	5.1		93.21
16	2,878	3.28	1.7		104.34
17	4,083	2.30	0.9		106.14
18	4,524	2.50	0.8		106.70
19	6,596	2.86	0.7		109.35
20	7,474	4.14	0.8		110.30
21	10,380	75.00	10.9	Upper Marker	113.00

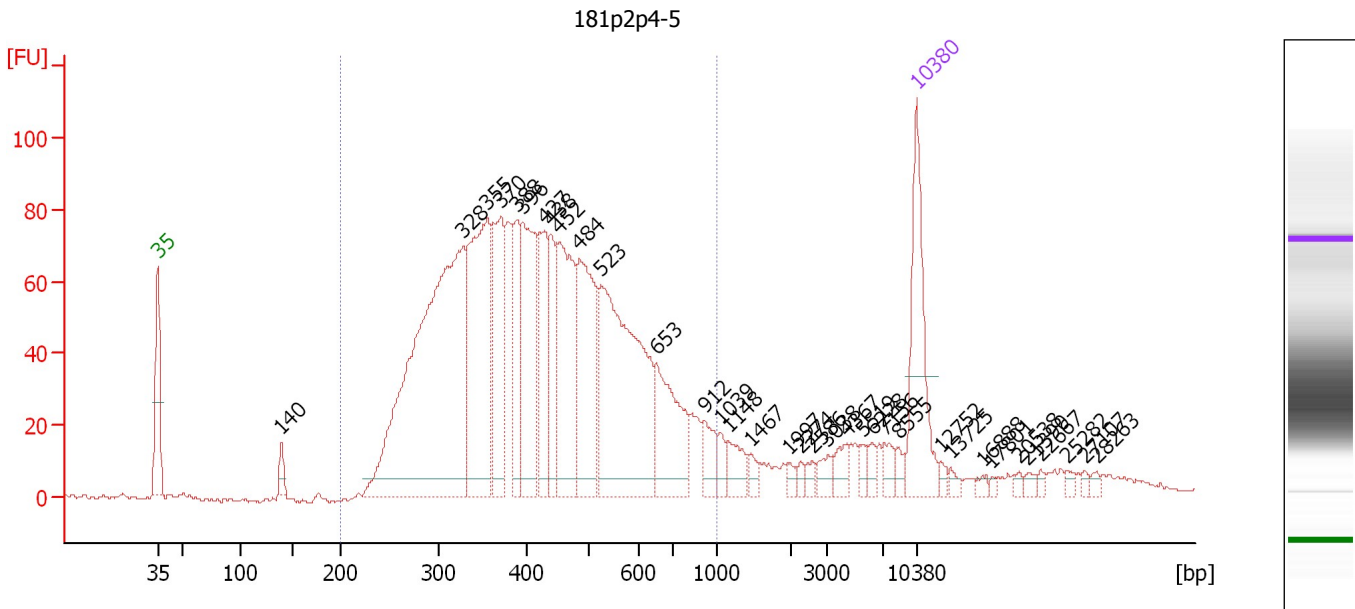
Region table for sample 9 : 181p2p4-4

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	414	670.13	812.1	2,740.2	86	31.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : 181p2p4-5

Number of peaks found: 35 Corr. Area 1: 2,050.6
 Noise: 0.8

Peak table for sample 10 : 181p2p4-5

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	140	13.75	149.0		54.41
3	328	481.68	2,228.2		71.19
4	355	206.20	881.1		73.40
5	370	106.25	435.2		74.64
6	388	67.97	265.5		76.11
7	396	116.62	446.7		76.73
8	427	71.18	252.5		78.65
9	438	56.17	194.3		79.27
10	452	133.45	447.6		80.06
11	484	124.00	388.0		81.93
12	523	242.41	702.6		83.85
13	653	85.11	197.4		88.99
14	912	21.28	35.4		93.40
15	1,039	9.89	14.4		94.86
16	1,148	19.25	25.4		95.60
17	1,467	7.04	7.3		97.75
18	1,997	4.93	3.7		101.31
19	2,274	4.10	2.7		102.27
20	2,586	5.82	3.4		103.34
21	3,038	9.30	4.6		104.81
22	4,367	11.69	4.1		106.50
23	5,519	6.31	1.7		107.97
24	6,228	6.81	1.7		108.88
25	7,156	10.01	2.1		110.01

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 10 : 181p2p4-5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	8,555	6.52	1.2		111.31
27	10,380	75.00	10.9	Upper Marker	113.00
28	12,752	0.00	0.0		115.20
29	13,725	0.00	0.0		116.11
30	16,888	0.00	0.0		119.05
31	17,801	0.00	0.0		119.89
32	20,538	0.00	0.0		122.44
33	21,390	0.00	0.0		123.23
34	22,667	0.00	0.0		124.41
35	25,282	0.00	0.0		126.84
36	27,107	0.00	0.0		128.54
37	28,263	0.00	0.0		129.61

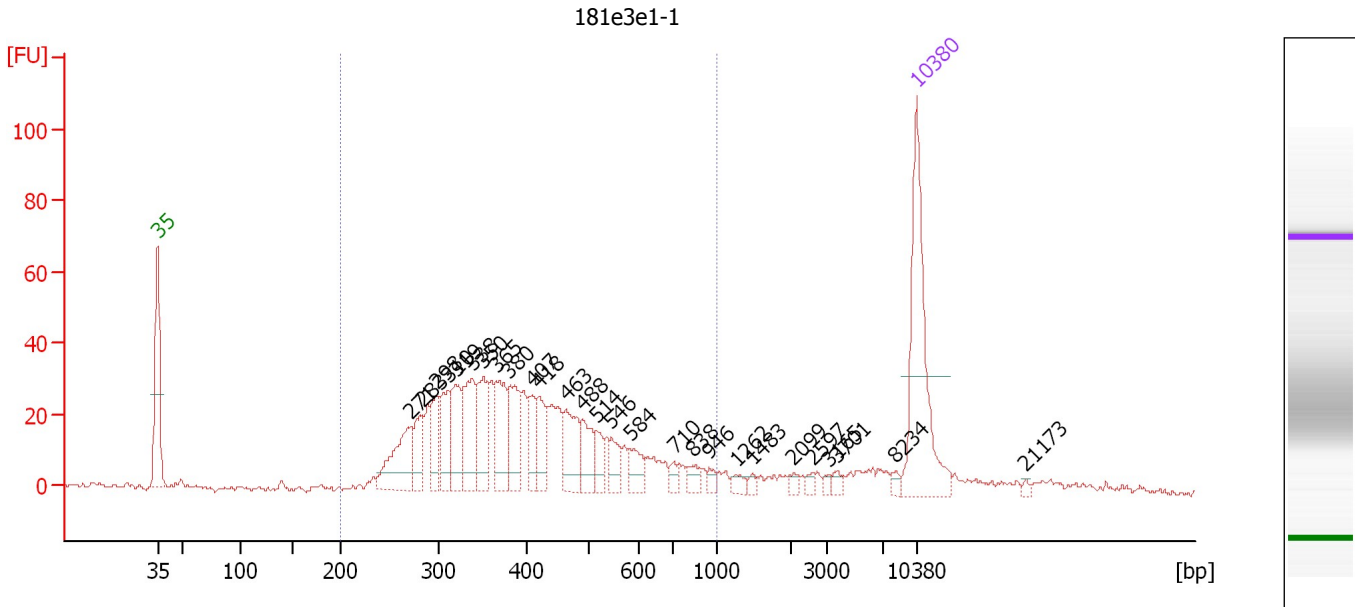
Region table for sample 10 : 181p2p4-5

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	441	1,854.34	2,050.6	7,230.3	86	32.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : 181e3e1-1

Number of peaks found: 27 Corr. Area 1: 741.0
 Noise: 0.8

Peak table for sample 11 : 181e3e1-1

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	271	46.93	262.8		66.30
3	283	24.09	129.2		67.38
4	298	24.87	126.3		68.80
5	310	33.20	162.3		69.77
6	319	34.47	163.6		70.51
7	338	42.03	188.4		72.05
8	350	34.14	147.8		73.02
9	365	37.55	155.8		74.27
10	380	33.34	132.9		75.47
11	407	18.90	70.3		77.52
12	418	24.81	89.9		78.14
13	463	32.72	107.1		80.71
14	488	20.02	62.2		82.13
15	514	11.54	34.1		83.44
16	546	12.67	35.2		84.86
17	584	12.74	33.1		86.57
18	710	5.12	10.9		90.62
19	838	6.80	12.3		92.38
20	946	4.24	6.8		93.86
21	1,262	4.71	5.7		96.37
22	1,483	2.75	2.8		97.85
23	2,099	2.78	2.0		101.67
24	2,597	2.50	1.5		103.37
25	3,165	2.47	1.2		104.97

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : 181e3e1-1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	3,701	3.29	1.3		105.65
27	8,234	2.93	0.5		111.01
28	10,380	75.00	10.9	Upper Marker	113.00
29	21,173	0.00	0.0		123.02

Region table for sample 11 : 181e3e1-1

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	420	601.67	741.0	2,454.3	82	33.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-31\2019-01-31_001.xad

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