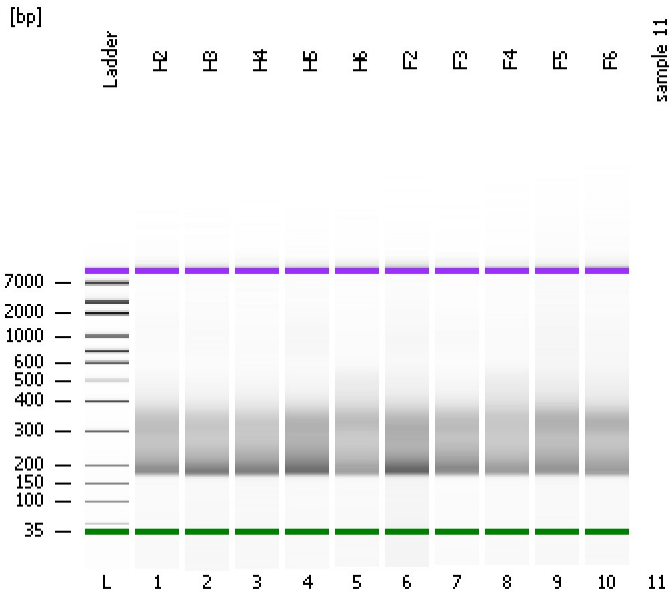


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
Modified: 11/26/2018 2:11:06 PM

Electrophoresis File Run Summary



Instrument Information:

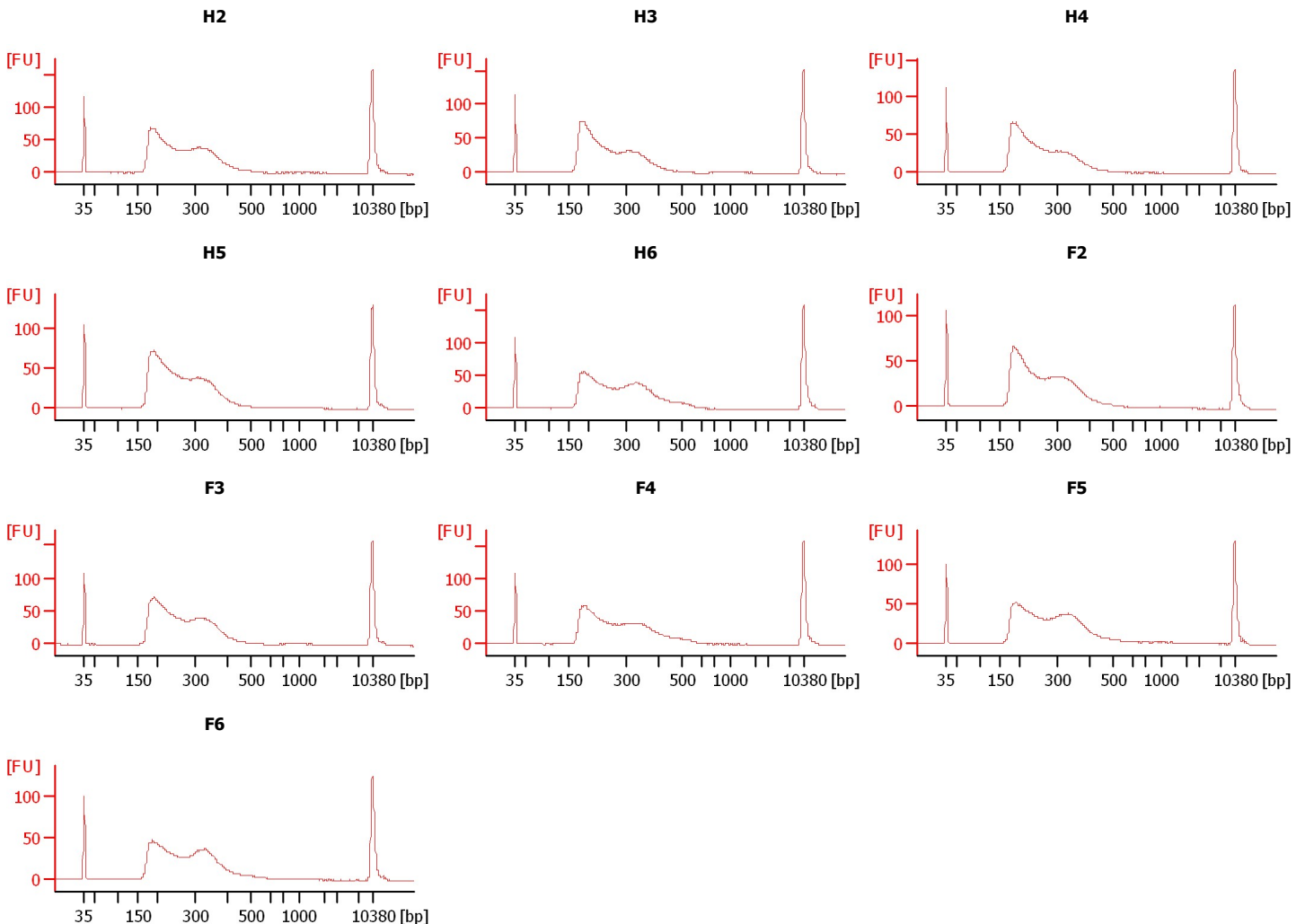
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
Modified: 11/26/2018 2:11:06 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
H2		<input type="checkbox"/>	✓			
H3		<input type="checkbox"/>	✓			
H4		<input type="checkbox"/>	✓			
H5		<input type="checkbox"/>	✓			
H6		<input type="checkbox"/>	✓			
F2		<input type="checkbox"/>	✓			
F3		<input type="checkbox"/>	✓			
F4		<input type="checkbox"/>	✓			
F5		<input type="checkbox"/>	✓			
F6		<input type="checkbox"/>	✓			
sample 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\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
Modified: 11/26/2018 2:11:06 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

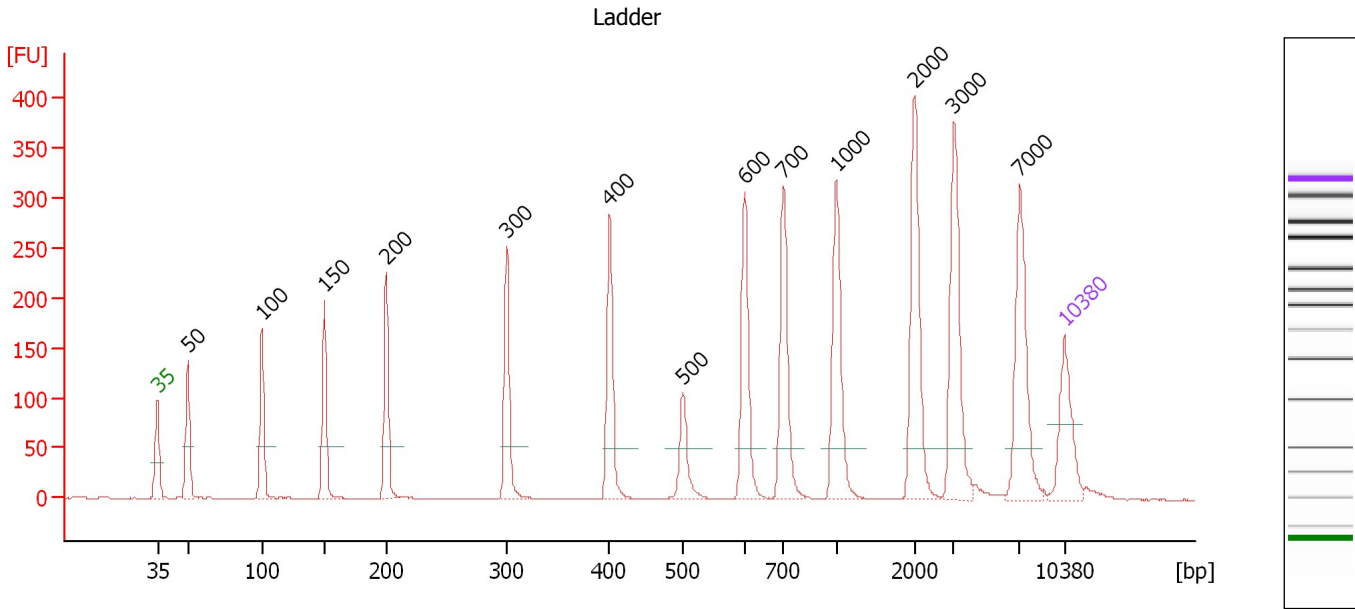
Ladder

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\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
 Modified: 11/26/2018 2:11:06 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

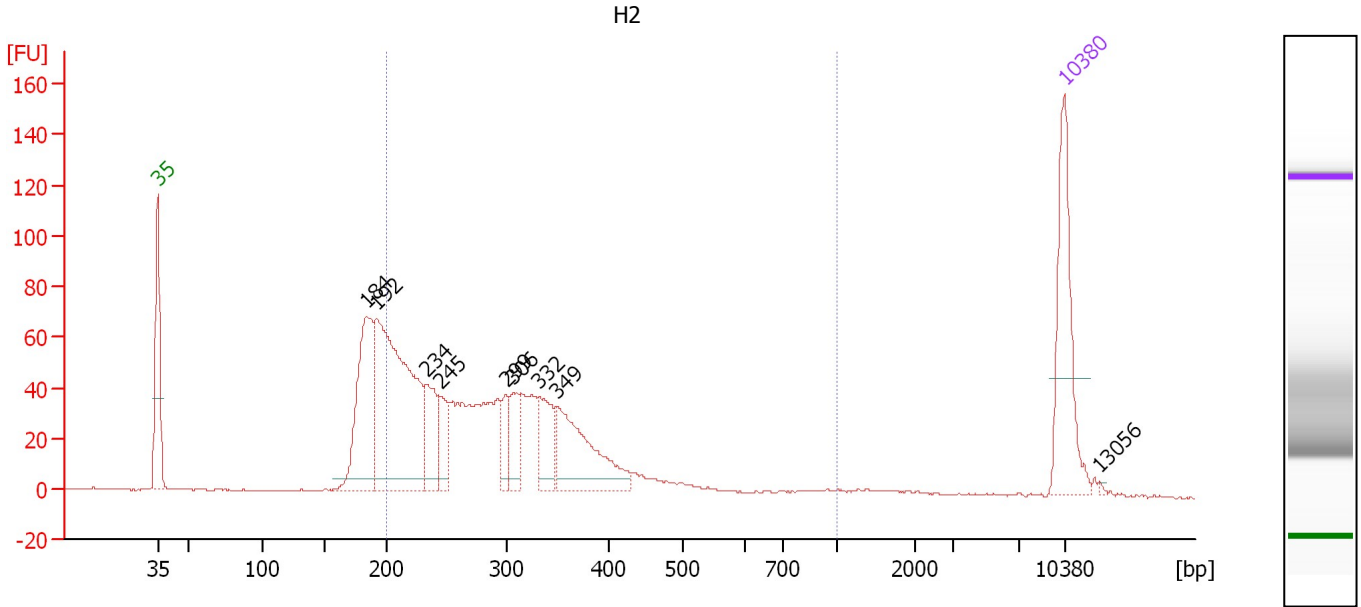
Peak table for Ladder

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	45.36
3	100	150.00	2,272.7	Ladder Peak	51.06
4	150	150.00	1,515.2	Ladder Peak	55.87
5	200	150.00	1,136.4	Ladder Peak	60.64
6	300	150.00	757.6	Ladder Peak	69.94
7	400	150.00	568.2	Ladder Peak	77.91
8	500	150.00	454.5	Ladder Peak	83.56
9	600	150.00	378.8	Ladder Peak	88.32
10	700	150.00	324.7	Ladder Peak	91.33
11	1,000	150.00	227.3	Ladder Peak	95.41
12	2,000	150.00	113.6	Ladder Peak	101.47
13	3,000	150.00	75.8	Ladder Peak	104.48
14	7,000	150.00	32.5	Ladder Peak	109.57
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
 Modified: 11/26/2018 2:11:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : H2

Number of peaks found: 9 Corr. Area 1: 1,029.9
 Noise: 0.4

Peak table for sample 1 : H2

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	184	144.40	1,187.7		59.13
3	192	296.37	2,338.2		59.88
4	234	54.59	354.2		63.76
5	245	37.12	229.9		64.79
6	299	23.98	121.4		69.89
7	306	31.71	156.9		70.45
8	332	45.25	206.8		72.46
9	349	100.43	436.5		73.81
10	10,380	75.00	10.9	Upper Marker	113.00
11	13,056	0.00	0.0		115.71

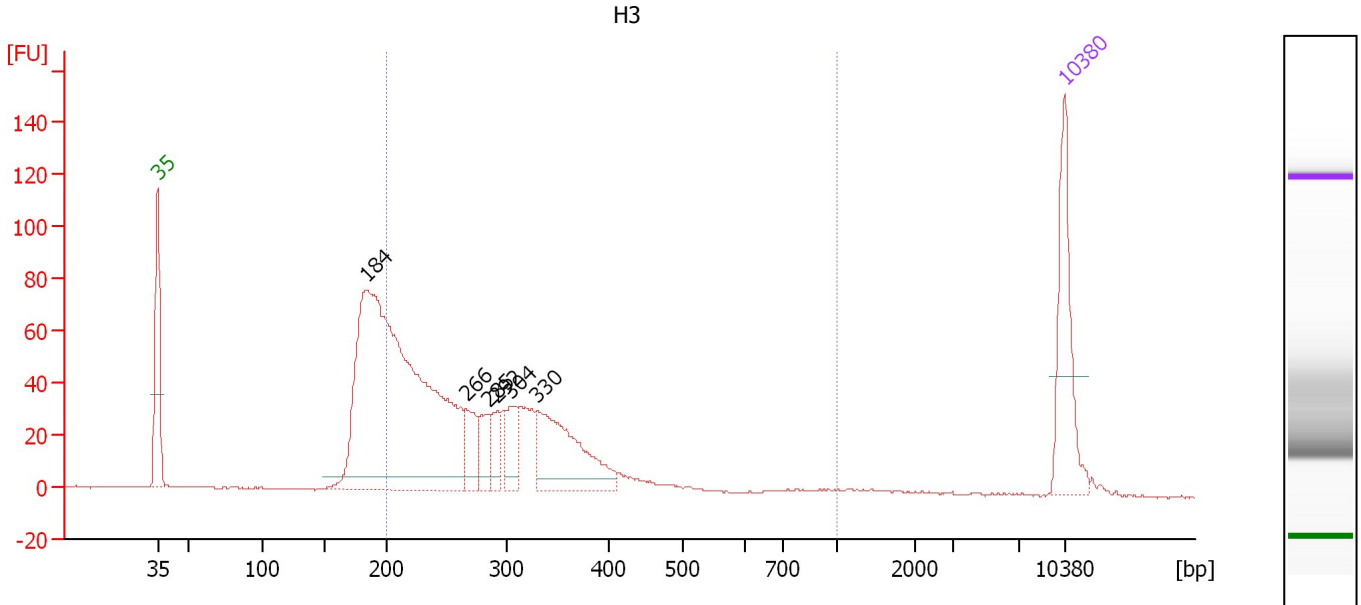
Region table for sample 1 : H2

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	301	736.66	1,029.9	4,028.6	77	30.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
 Modified: 11/26/2018 2:11:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : H3

Number of peaks found: 6 Corr. Area 1: 913.2
 Noise: 0.3

Peak table for sample 2 : H3

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	184	733.47	6,043.2		59.10
3	266	38.35	218.1		66.82
4	285	32.08	170.7		68.53
5	292	27.36	141.7		69.24
6	304	37.23	185.4		70.28
7	330	132.48	608.7		72.32
8	10,380	75.00	10.9	Upper Marker	113.00

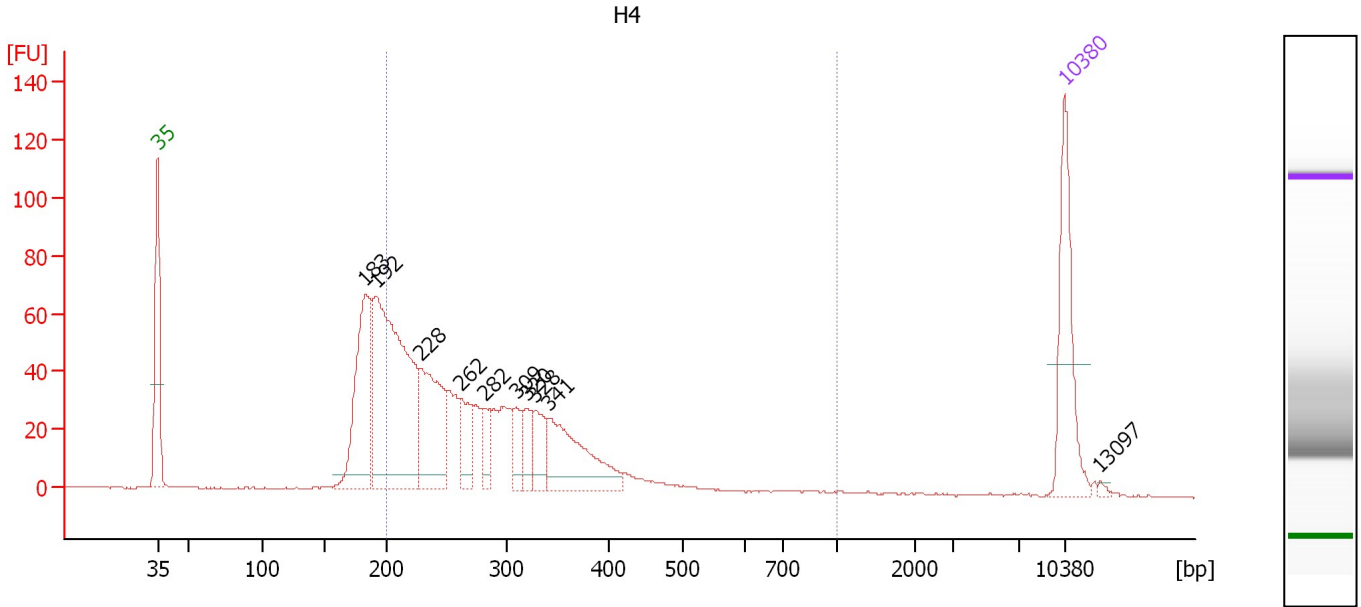
Region table for sample 2 : H3

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	294	743.71	913.2	4,166.9	71	31.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
 Modified: 11/26/2018 2:11:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : H4

Number of peaks found: 10 Corr. Area 1: 848.1
 Noise: 0.2

Peak table for sample 3 : H4

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	183	162.47	1,343.5		59.04
3	192	350.24	2,766.3		59.86
4	228	126.45	840.4		63.24
5	262	42.22	243.9		66.43
6	282	26.18	140.7		68.27
7	309	24.46	119.9		70.68
8	320	30.37	144.0		71.50
9	328	34.45	159.1		72.18
10	341	103.24	459.0		73.19
11	10,380	75.00	10.9	Upper Marker	113.00
12	13,097	0.00	0.0		115.75

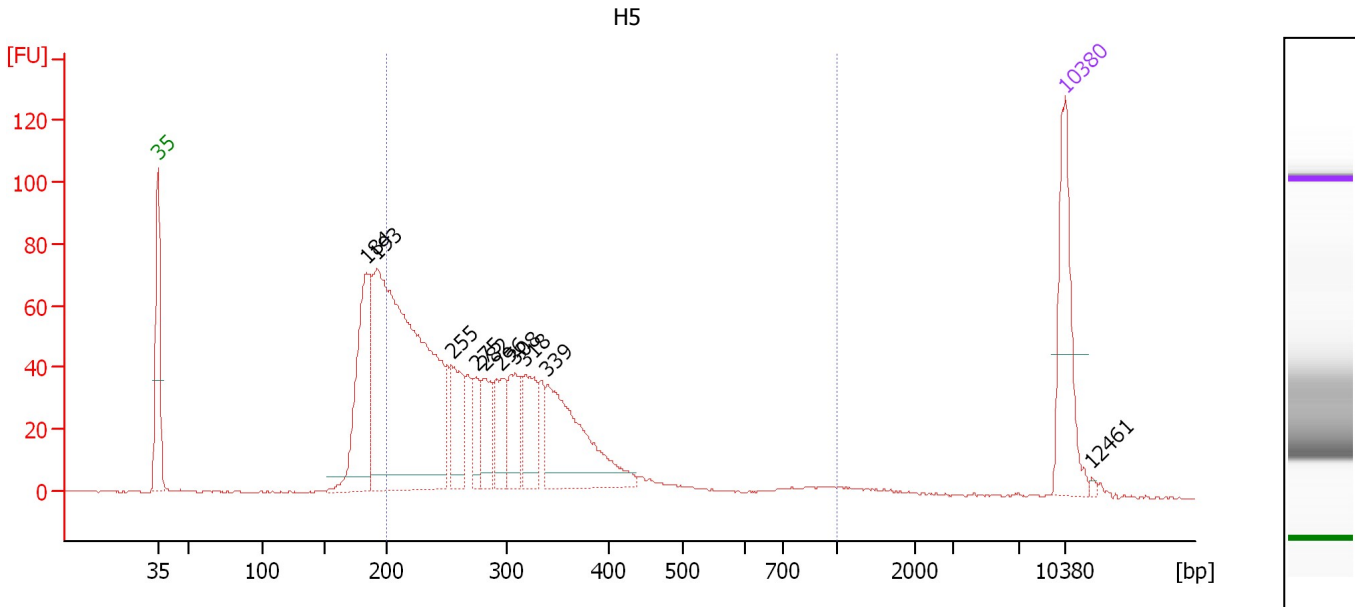
Region table for sample 3 : H4

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	290	777.59	848.1	4,377.3	73	29.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
 Modified: 11/26/2018 2:11:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : H5

Number of peaks found: 10 Corr. Area 1: 1,072.1
 Noise: 0.3

Peak table for sample 4 : H5

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	184	162.73	1,338.0		59.14
3	193	587.64	4,613.0		59.97
4	255	61.23	364.5		65.71
5	275	33.42	184.1		67.63
6	282	44.59	239.7		68.26
7	296	48.28	247.4		69.54
8	308	55.53	272.8		70.62
9	318	57.90	275.6		71.40
10	339	147.03	656.7		73.07
11	10,380	75.00	10.9	Upper Marker	113.00
12	12,461	0.00	0.0		115.11

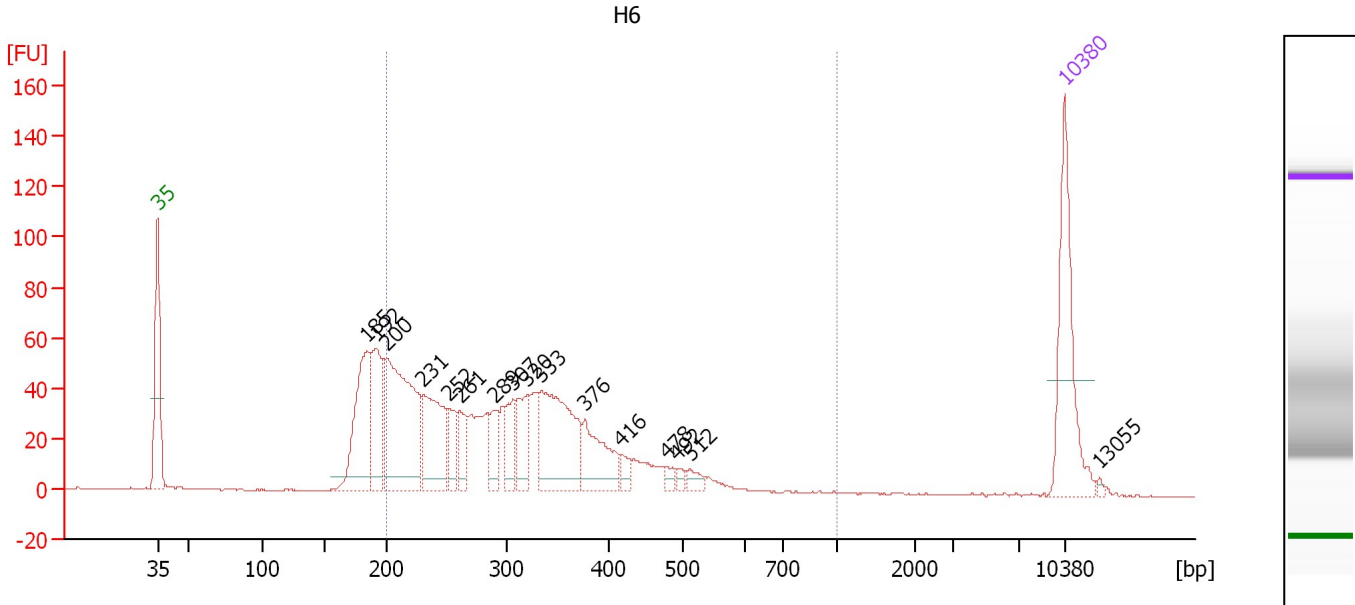
Region table for sample 4 : H5

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	301	1,020.67	1,072.1	5,636.0	76	34.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
 Modified: 11/26/2018 2:11:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : H6

Number of peaks found: 16 Corr. Area 1: 1,014.9
 Noise: 0.3

Peak table for sample 5 : H6

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	185	109.84	901.5		59.17
3	192	76.94	607.3		59.87
4	200	185.06	1,399.2		60.68
5	231	84.63	554.7		63.54
6	252	30.17	181.6		65.45
7	261	26.26	152.2		66.35
8	289	25.36	132.8		68.96
9	307	28.71	141.9		70.47
10	320	39.38	186.2		71.57
11	333	117.96	536.6		72.58
12	376	54.20	218.5		75.99
13	416	10.09	36.8		78.80
14	478	6.56	20.8		82.32
15	492	5.34	16.4		83.12
16	512	8.43	25.0		84.13
17	10,380	75.00	10.9	Upper Marker	113.00
18	13,055	0.00	0.0		115.71

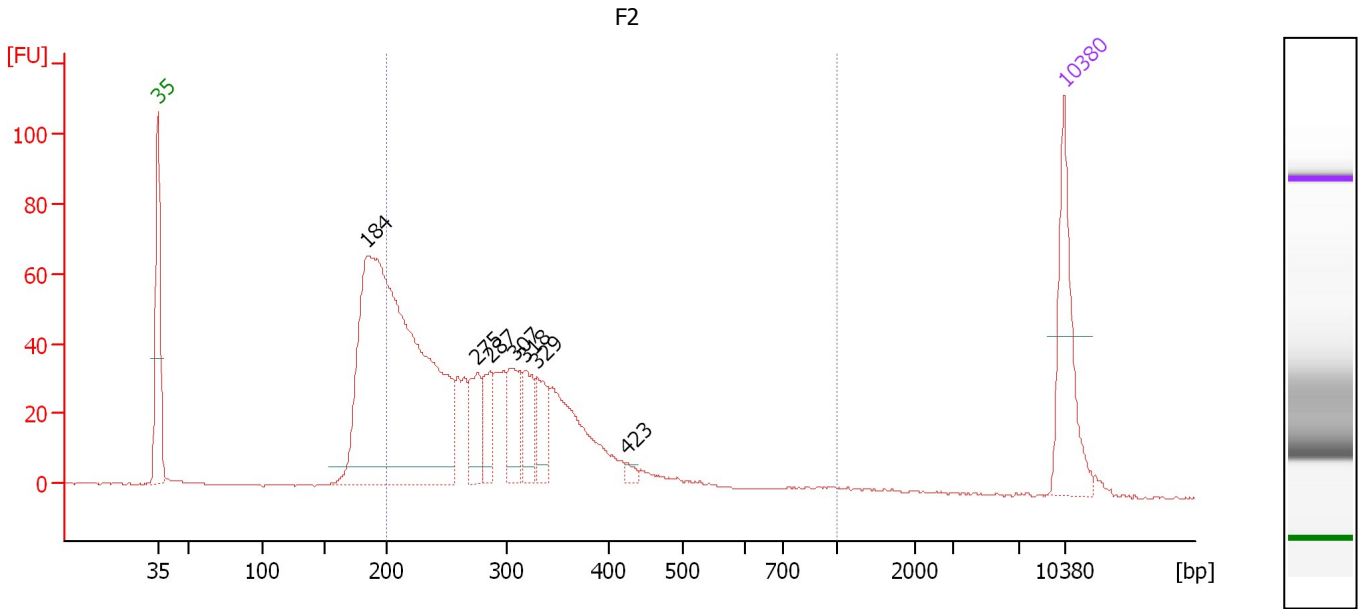
Region table for sample 5 : H6

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	316	773.05	1,014.9	4,078.6	80	29.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
 Modified: 11/26/2018 2:11:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : F2

Number of peaks found: 7 Corr. Area 1: 899.6
 Noise: 0.2

Peak table for sample 6 : F2

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	184	733.21	6,035.7		59.12
3	275	48.64	267.5		67.66
4	287	41.31	218.1		68.74
5	307	50.23	247.6		70.53
6	318	40.23	191.9		71.35
7	329	40.33	185.6		72.27
8	423	5.09	18.2		79.23
9	10,380	75.00	10.9	Upper Marker	113.00

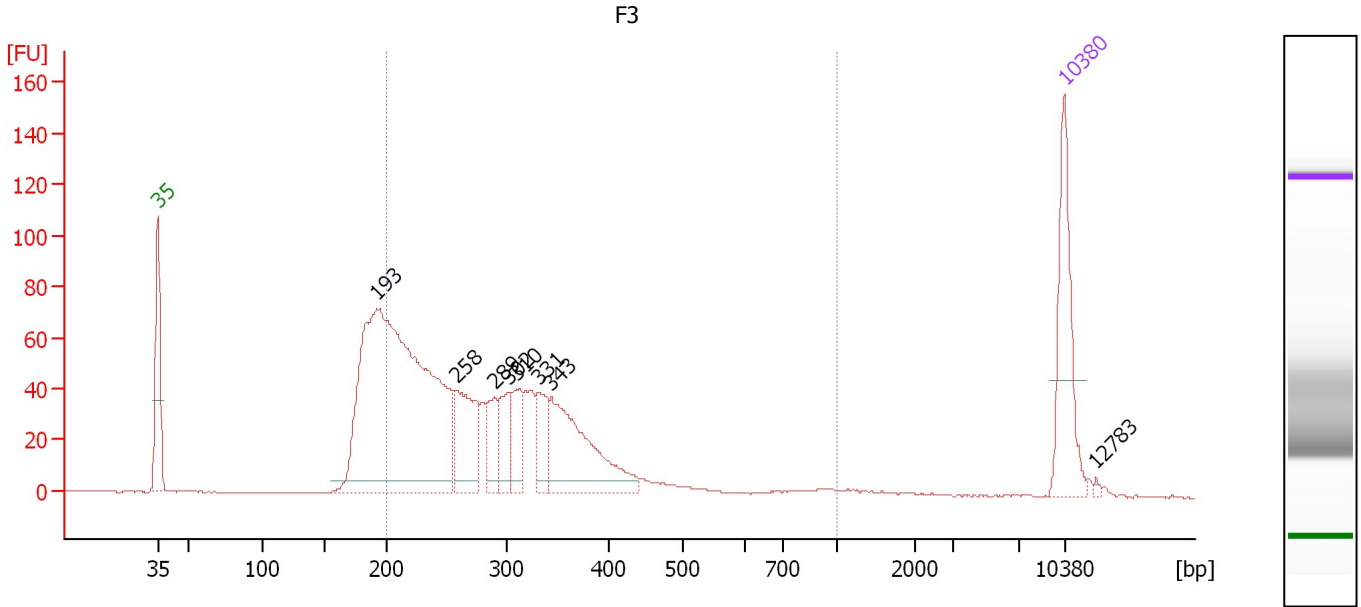
Region table for sample 6 : F2

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	300	919.13	899.6	5,054.2	75	32.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
 Modified: 11/26/2018 2:11:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : F3

Number of peaks found: 8 Corr. Area 1: 1,077.0
 Noise: 0.2

Peak table for sample 7 : F3

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	193	657.78	5,171.8		59.94
3	258	91.14	534.8		66.06
4	289	39.46	206.6		68.96
5	302	42.41	212.8		70.10
6	310	41.42	202.2		70.77
7	331	38.12	174.7		72.38
8	343	139.92	618.2		73.36
9	10,380	75.00	10.9	Upper Marker	113.00
10	12,783	0.00	0.0		115.44

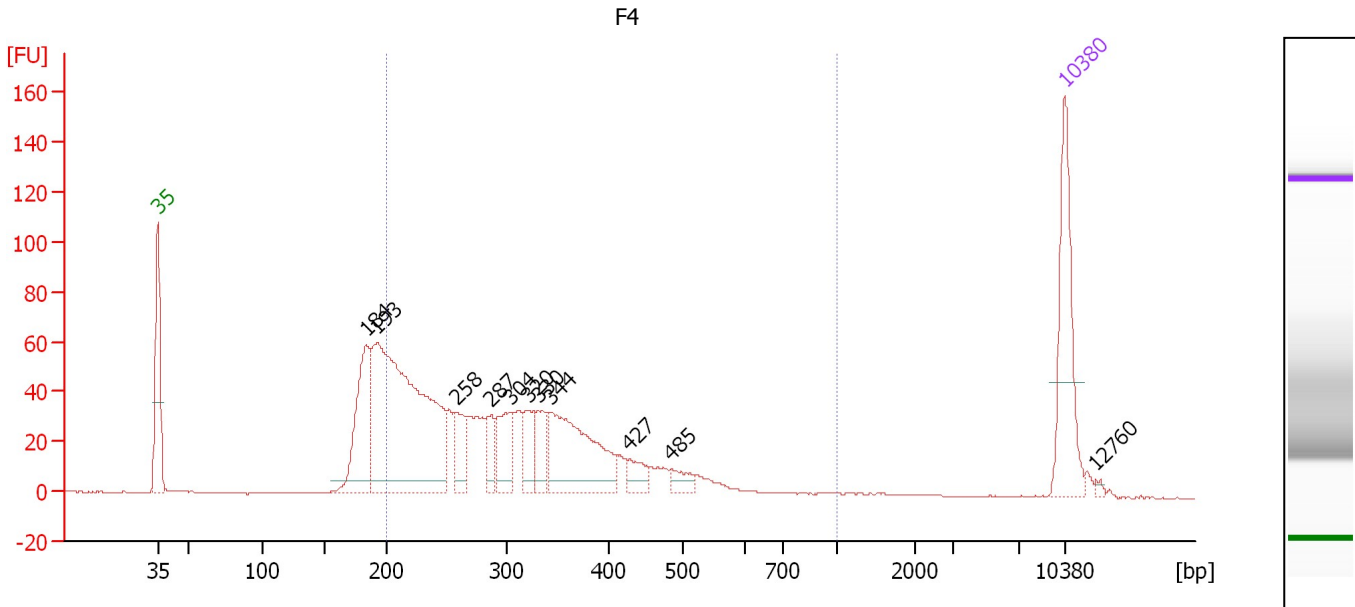
Region table for sample 7 : F3

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	298	858.95	1,077.0	4,747.7	78	31.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
 Modified: 11/26/2018 2:11:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : F4

Number of peaks found: 11 Corr. Area 1: 992.3
 Noise: 0.2

Peak table for sample 8 : F4

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	184	114.36	942.5		59.10
3	193	393.47	3,094.8		59.94
4	258	36.70	215.2		66.07
5	287	23.86	125.9		68.75
6	304	47.23	235.3		70.27
7	320	27.35	129.3		71.58
8	330	31.87	146.2		72.36
9	344	127.38	561.8		73.41
10	427	17.85	63.3		79.44
11	485	12.69	39.7		82.69
12	10,380	75.00	10.9	Upper Marker	113.00
13	12,760	0.00	0.0		115.41

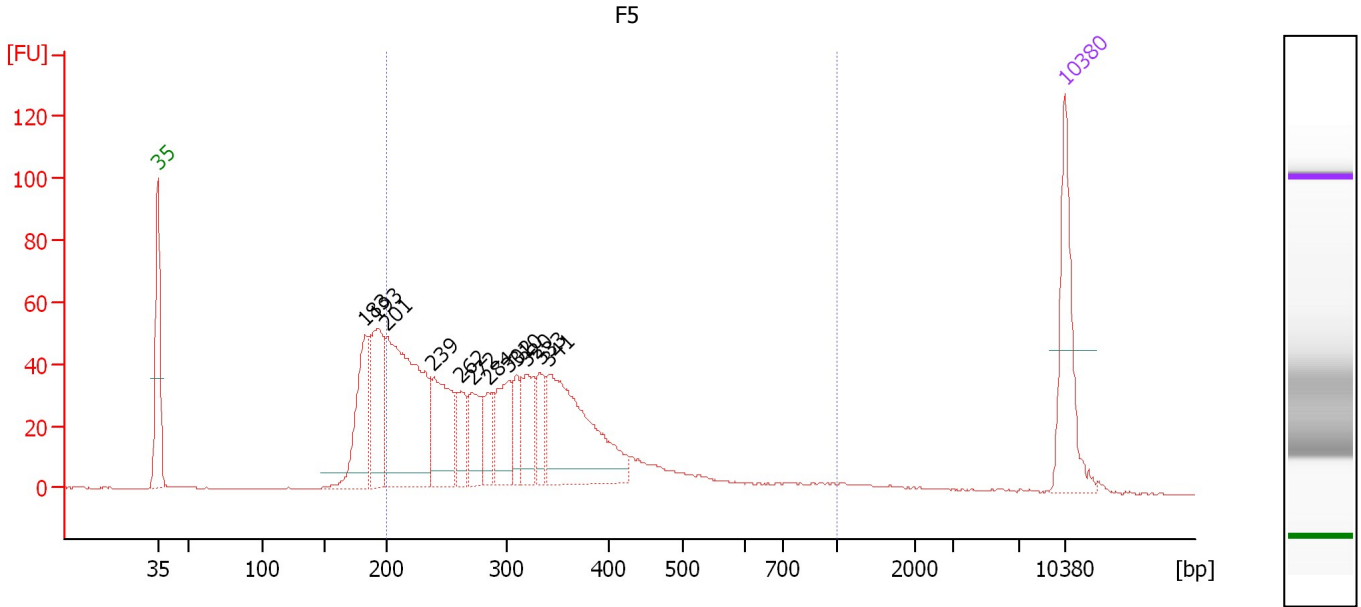
Region table for sample 8 : F4

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	317	770.01	992.3	4,091.2	78	32.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
 Modified: 11/26/2018 2:11:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : F5

Number of peaks found: 12 Corr. Area 1: 980.8
 Noise: 0.2

Peak table for sample 9 : F5

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	183	109.19	902.0		59.06
3	193	111.50	876.0		59.96
4	201	266.25	2,010.6		60.70
5	239	104.85	663.7		64.30
6	262	35.31	204.1		66.42
7	272	50.62	282.1		67.32
8	284	30.68	163.5		68.49
9	302	63.35	317.5		70.13
10	310	33.67	164.7		70.71
11	320	46.10	218.1		71.56
12	333	35.20	160.2		72.57
13	341	180.76	803.3		73.20
14	10,380	75.00	10.9	Upper Marker	113.00

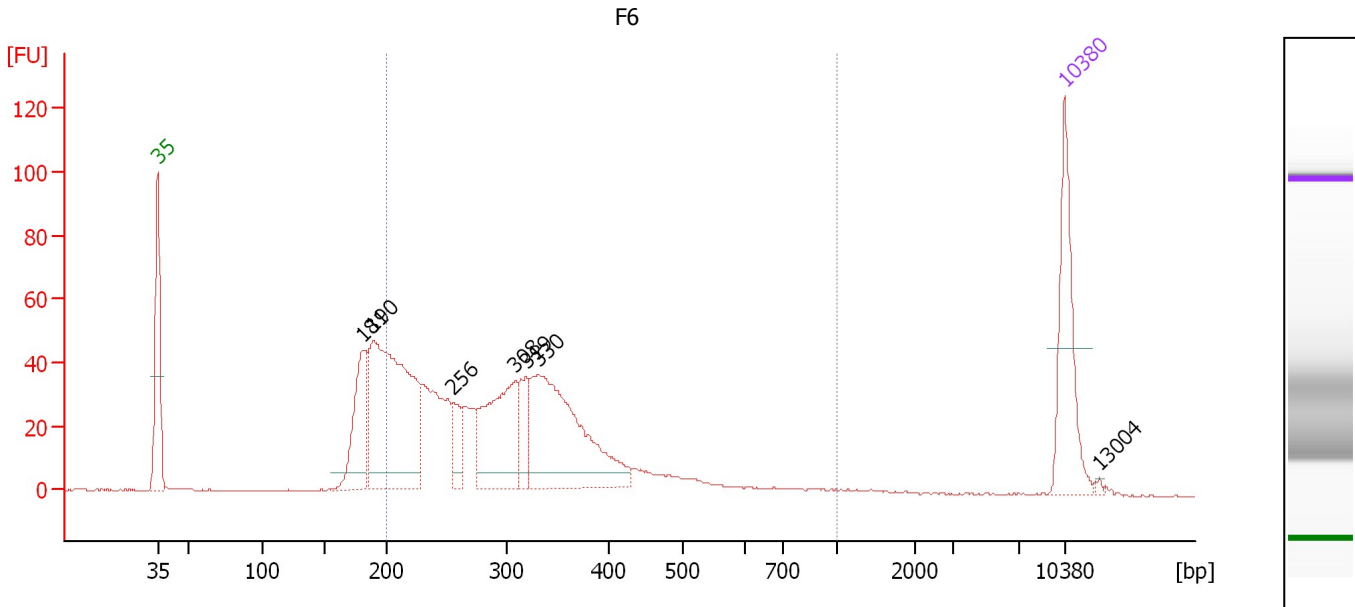
Region table for sample 9 : F5

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	323	986.10	980.8	5,190.7	80	35.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
 Modified: 11/26/2018 2:11:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : F6

Number of peaks found: 7 Corr. Area 1: 857.4
 Noise: 0.2

Peak table for sample 10 : F6

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	181	96.19	804.1		58.85
3	190	308.84	2,467.7		59.65
4	256	30.64	181.6		65.82
5	308	124.06	609.6		70.61
6	319	38.91	184.8		71.46
7	330	210.72	966.5		72.36
8	10,380	75.00	10.9	Upper Marker	113.00
9	13,004	0.00	0.0		115.66

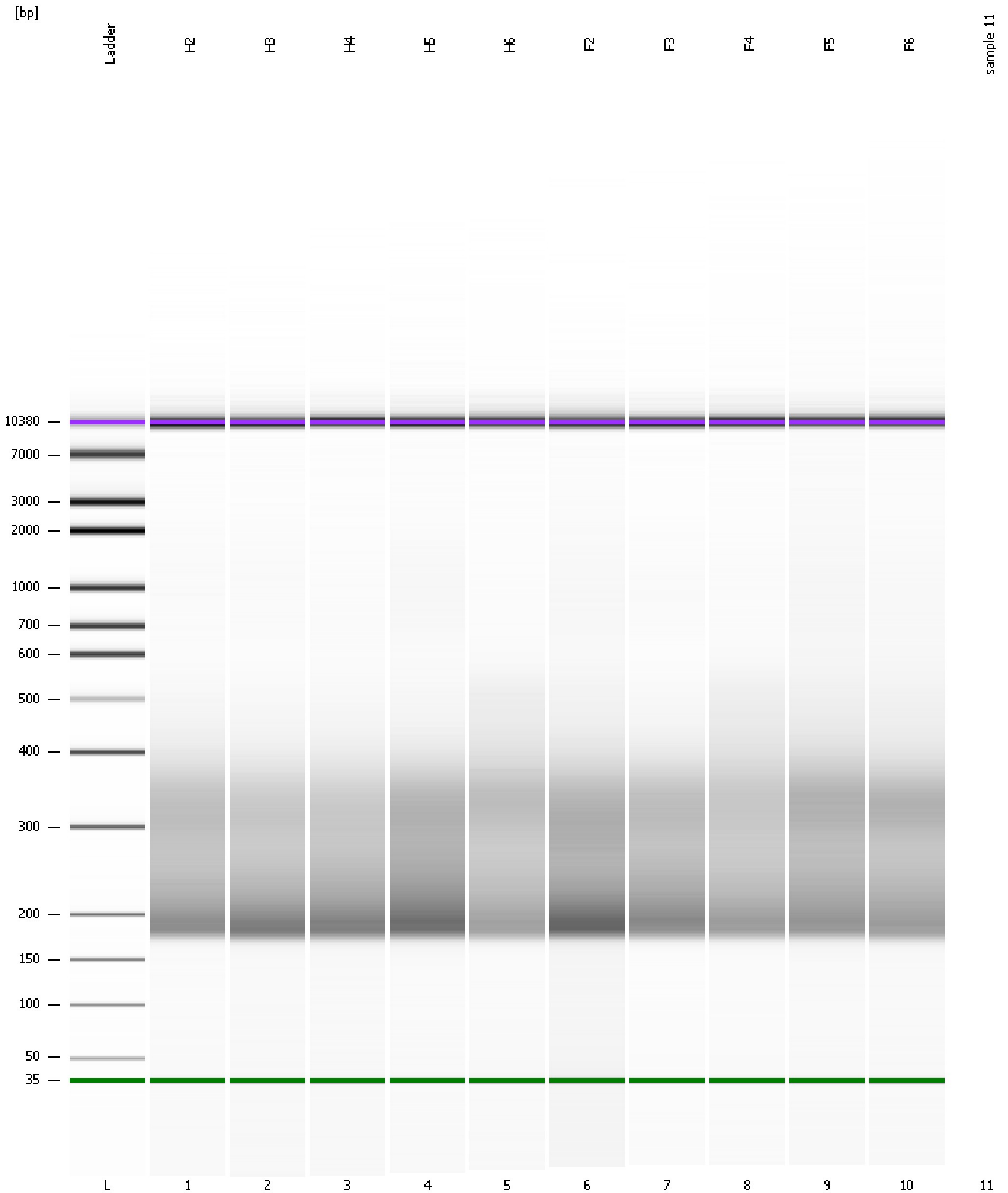
Region table for sample 10 : F6

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	317	840.72	857.4	4,453.9	78	33.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
Modified: 11/26/2018 2:11:06 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-26\2018-11-26_001.xad

Created: 11/26/2018 1:32:41 PM
Modified: 11/26/2018 2:11:06 PM

Invalid Samples

Sample 11 has not been run, no results available.