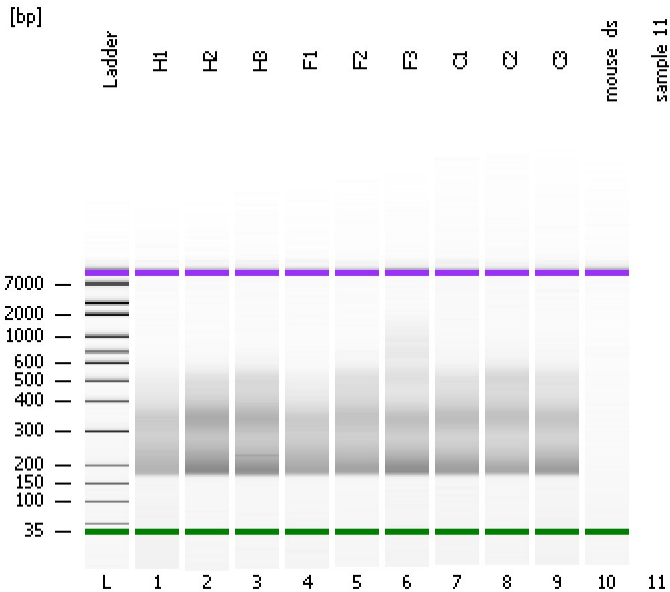


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

Created: 3/21/2018 4:49:27 PM
Modified: 3/21/2018 5:27:52 PM

Electrophoresis File Run Summary



Instrument Information:

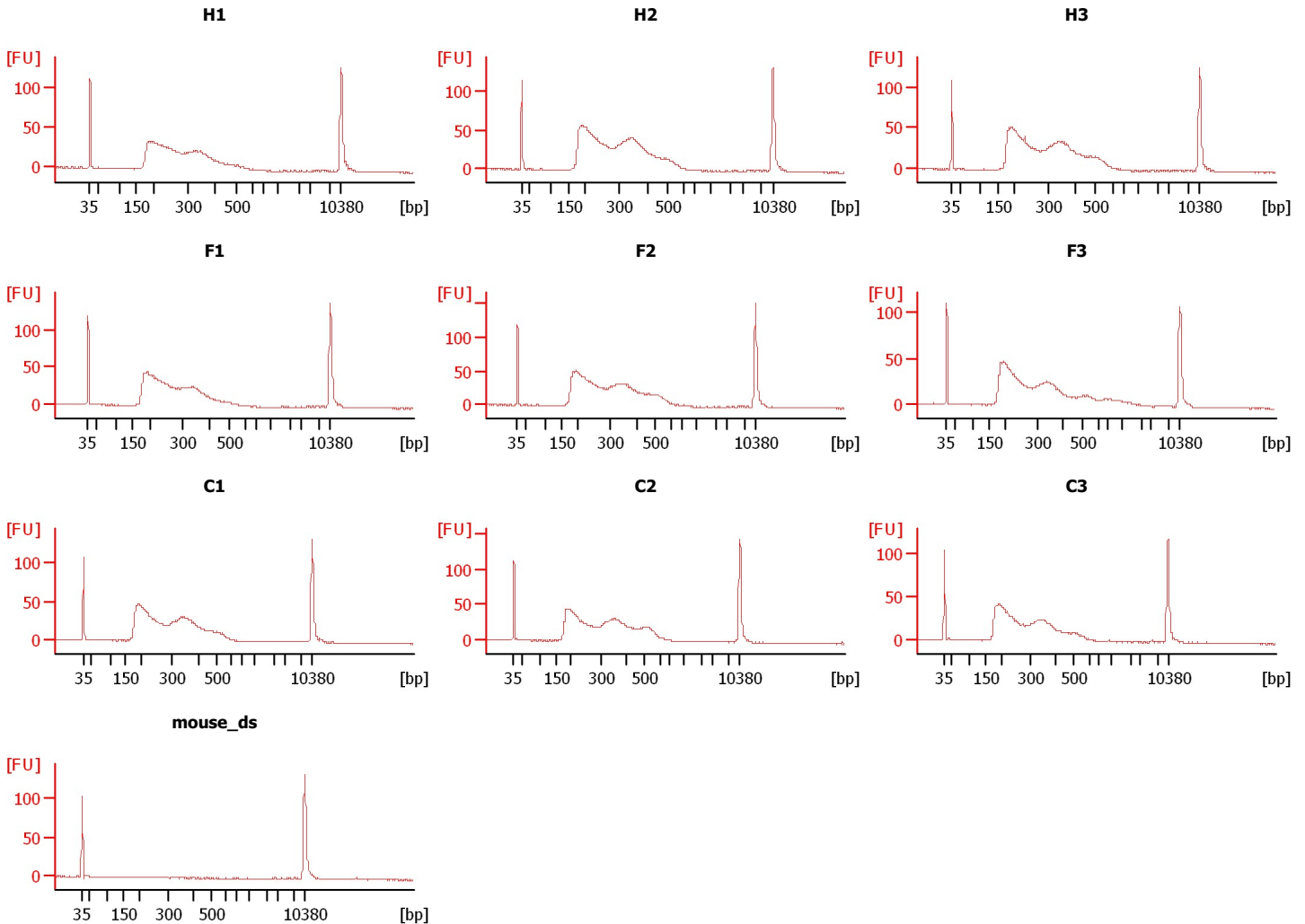
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2018-03-21\2018-03-21_003.xad

Created: 3/21/2018 4:49:27 PM
Modified: 3/21/2018 5:27:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
H1		<input type="checkbox"/>	✓			
H2		<input type="checkbox"/>	✓			
H3		<input type="checkbox"/>	✓			
F1		<input type="checkbox"/>	✓			
F2		<input type="checkbox"/>	✓			
F3		<input type="checkbox"/>	✓			
C1		<input type="checkbox"/>	✓			
C2		<input type="checkbox"/>	✓			
C3		<input type="checkbox"/>	✓			
mouse_ds		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

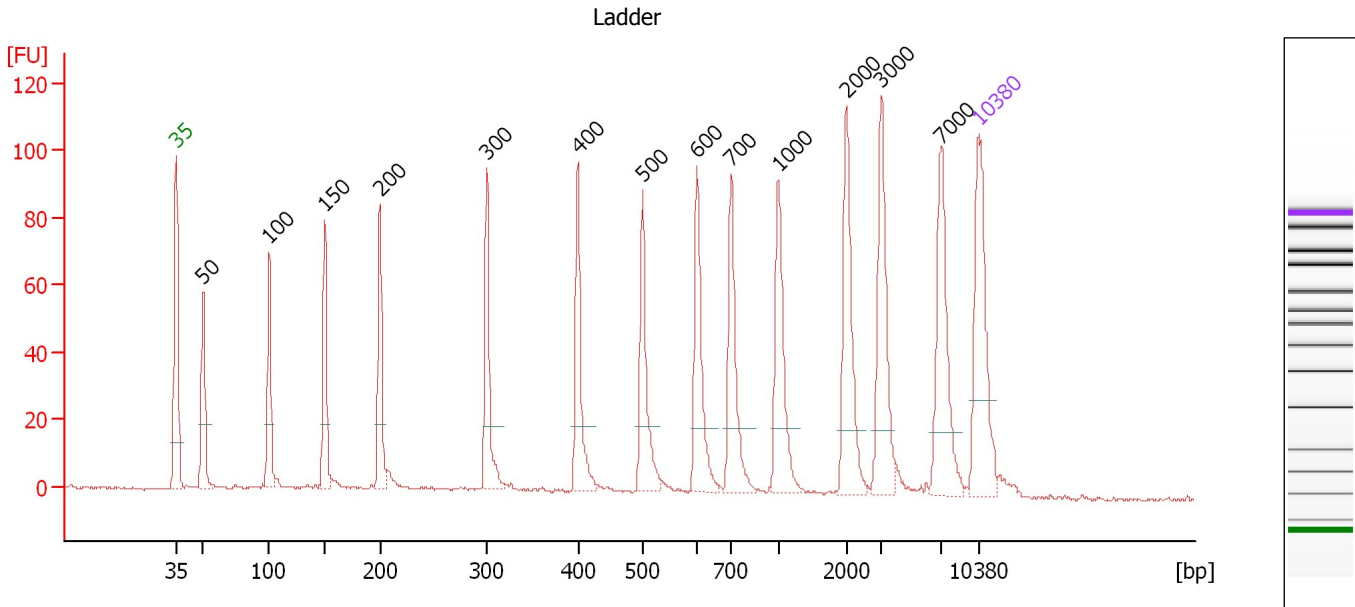
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

Created: 3/21/2018 4:49:27 PM
 Modified: 3/21/2018 5:27:52 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

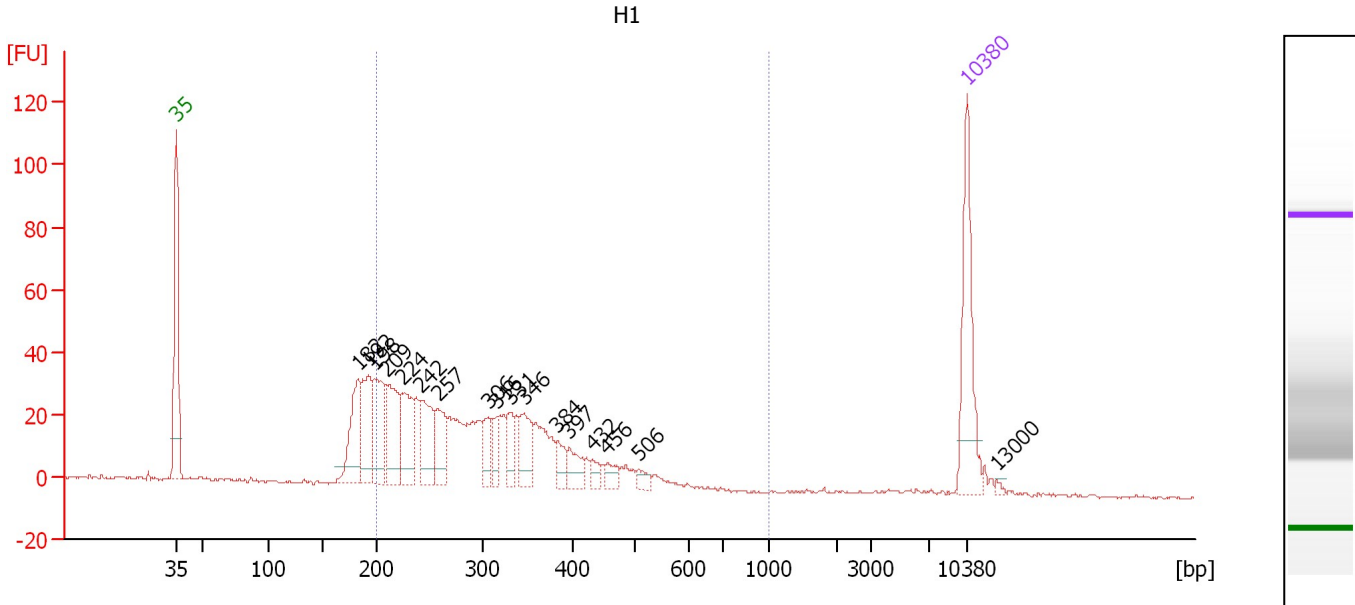
Peak table for Ladder

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	45.33
3	100	150.00	2,272.7	Ladder Peak	51.09
4	150	150.00	1,515.2	Ladder Peak	55.98
5	200	150.00	1,136.4	Ladder Peak	60.77
6	300	150.00	757.6	Ladder Peak	70.12
7	400	150.00	568.2	Ladder Peak	78.02
8	500	150.00	454.5	Ladder Peak	83.65
9	600	150.00	378.8	Ladder Peak	88.44
10	700	150.00	324.7	Ladder Peak	91.42
11	1,000	150.00	227.3	Ladder Peak	95.51
12	2,000	150.00	113.6	Ladder Peak	101.42
13	3,000	150.00	75.8	Ladder Peak	104.49
14	7,000	150.00	32.5	Ladder Peak	109.65
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

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 Modified: 3/21/2018 5:27:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : H1

Number of peaks found: 17 Corr. Area 1: 661.7
 Noise: 0.3

Peak table for sample 1 : H1

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	182	80.51	670.0		59.05
3	192	73.78	582.5		59.99
4	198	71.38	546.7		60.56
5	209	75.93	549.4		61.64
6	224	62.73	424.2		63.01
7	242	65.38	409.9		64.67
8	257	47.19	277.9		66.13
9	306	23.37	115.6		70.61
10	316	21.83	104.5		71.42
11	331	23.93	109.4		72.60
12	346	41.06	179.7		73.78
13	384	15.84	62.5		76.75
14	397	23.26	88.8		77.79
15	432	10.28	36.1		79.82
16	456	12.25	40.7		81.19
17	506	9.00	27.0		83.92
18	10,380	75.00	10.9	Upper Marker	113.00
19	13,000	0.00	0.0		115.60

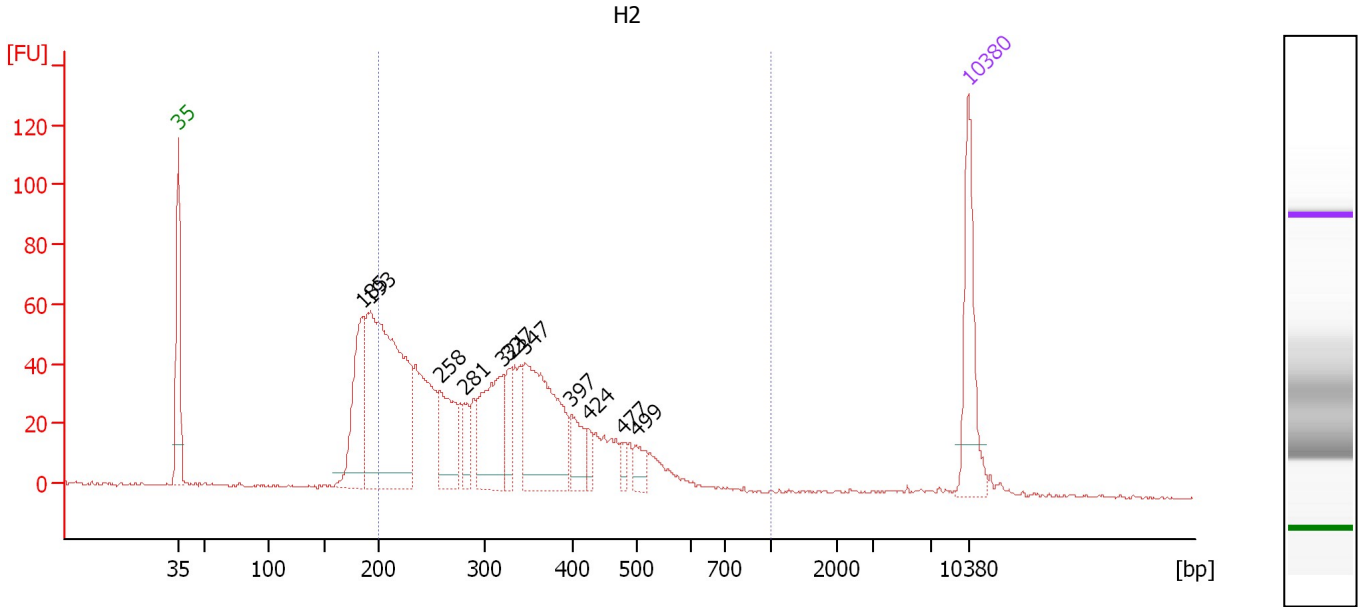
Region table for sample 1 : H1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	308	661.7	747.69	4,016.1	81	27.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

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 Modified: 3/21/2018 5:27:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : H2

Number of peaks found: 11 Corr. Area 1: 1,144.1
 Noise: 0.5

Peak table for sample 2 : 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	185	135.54	1,112.2		59.30
3	193	424.97	3,344.5		60.05
4	258	91.35	536.5		66.19
5	281	29.17	157.1		68.36
6	321	116.65	550.9		71.77
7	327	36.38	168.3		72.28
8	347	191.03	835.2		73.80
9	397	36.94	140.9		77.81
10	424	14.29	51.1		79.37
11	477	10.95	34.8		82.35
12	499	19.94	60.6		83.57
13	10,380	75.00	10.9	Upper Marker	113.00

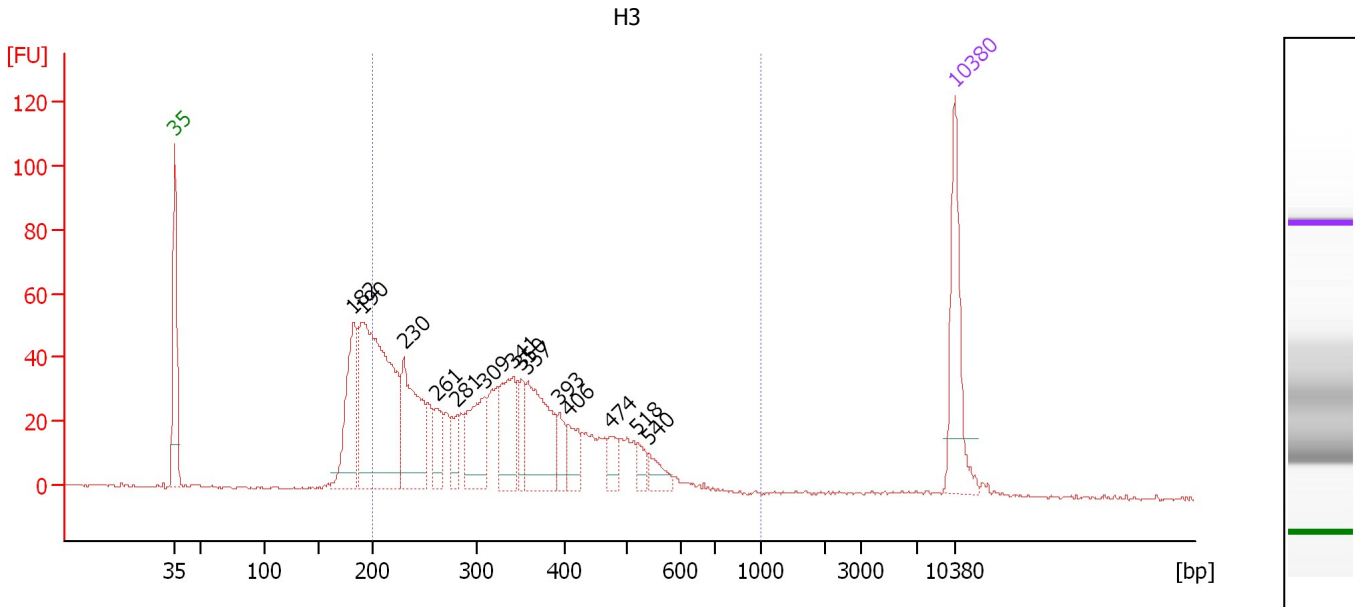
Region table for sample 2 : H2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	327	1,144.1	1,124.15	5,816.0	82	29.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

Created: 3/21/2018 4:49:27 PM
 Modified: 3/21/2018 5:27:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : H3

Number of peaks found: 14 Corr. Area 1: 982.8
 Noise: 0.4

Peak table for sample 3 : 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	182	128.70	1,072.3		59.03
3	190	371.65	2,966.2		59.79
4	230	136.62	899.9		63.57
5	261	37.95	220.5		66.44
6	281	24.18	130.5		68.31
7	309	84.13	412.2		70.85
8	341	76.10	337.8		73.38
9	350	32.58	140.9		74.10
10	357	111.85	474.7		74.63
11	393	23.45	90.3		77.50
12	406	29.39	109.7		78.36
13	474	19.14	61.2		82.19
14	518	15.63	45.7		84.53
15	540	19.51	54.7		85.58
16	10,380	75.00	10.9	Upper Marker	113.00

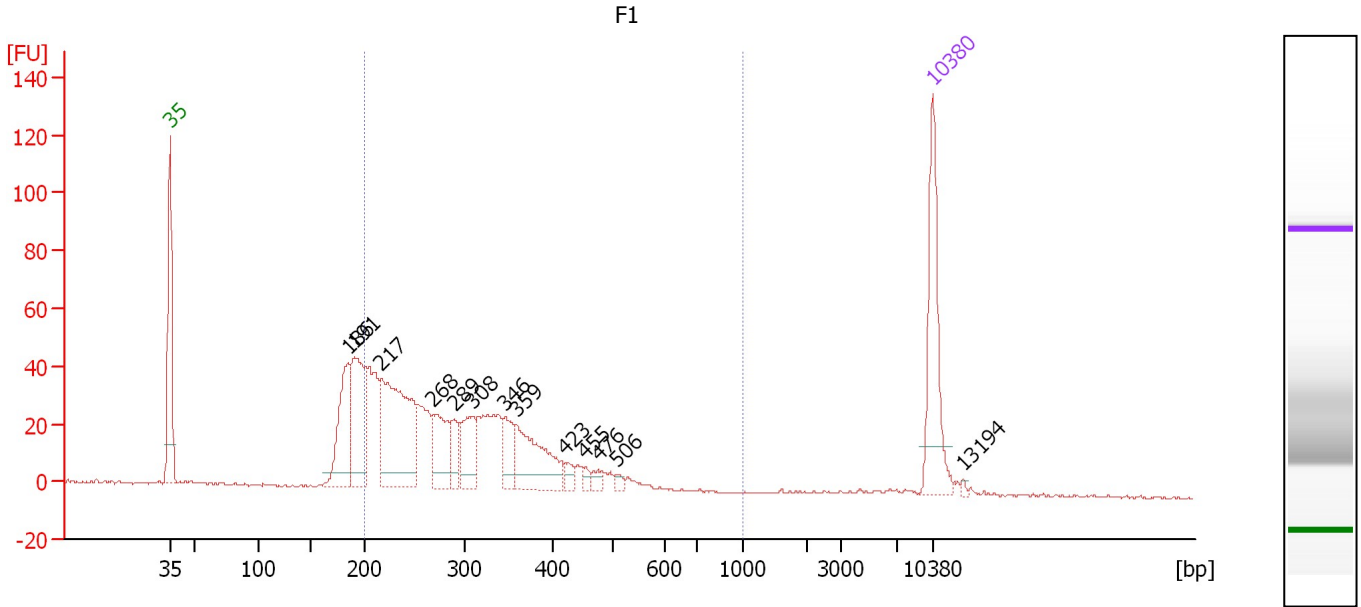
Region table for sample 3 : H3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	334	982.8	1,056.47	5,397.7	81	30.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : F1

Number of peaks found: 13 Corr. Area 1: 754.0
 Noise: 0.4

Peak table for sample 4 : F1

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	186	91.35	745.8		59.39
3	191	112.57	892.0		59.93
4	217	188.52	1,315.4		62.37
5	268	58.23	328.7		67.16
6	289	24.19	126.7		69.12
7	308	47.92	235.4		70.78
8	346	30.14	132.1		73.72
9	359	81.46	343.6		74.80
10	423	8.00	28.7		79.30
11	455	4.98	16.6		81.11
12	476	6.42	20.5		82.28
13	506	4.25	12.7		83.94
14	10,380	75.00	10.9	Upper Marker	113.00
15	13,194	0.00	0.0		115.79

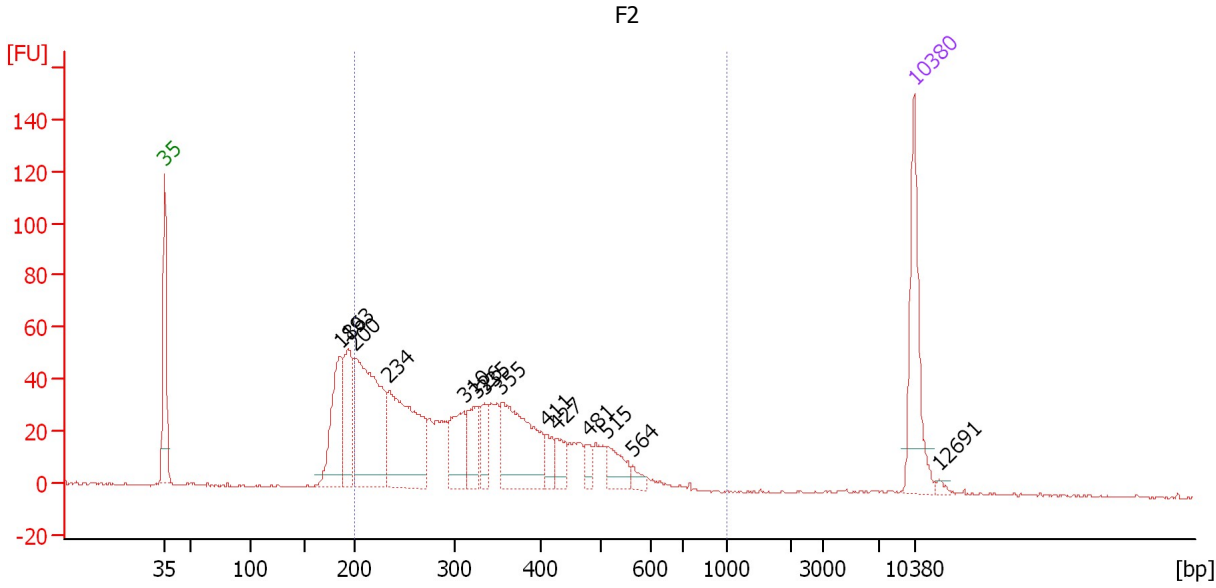
Region table for sample 4 : F1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	302	754.0	717.83	3,911.7	79	26.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

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 Modified: 3/21/2018 5:27:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : F2

Number of peaks found: 14 Corr. Area 1: 1,029.7
 Noise: 0.4

Peak table for sample 5 : 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	186	110.73	904.3		59.38
3	193	90.69	710.9		60.13
4	200	227.96	1,726.4		60.77
5	234	182.94	1,183.8		63.96
6	310	63.64	310.8		70.93
7	326	44.33	206.0		72.17
8	335	29.67	134.0		72.92
9	355	133.59	570.2		74.47
10	411	20.16	74.3		78.65
11	427	21.51	76.3		79.54
12	481	13.63	42.9		82.58
13	515	29.20	85.9		84.37
14	564	8.11	21.8		86.71
15	10,380	75.00	10.9	Upper Marker	113.00
16	12,691	0.00	0.0		115.29

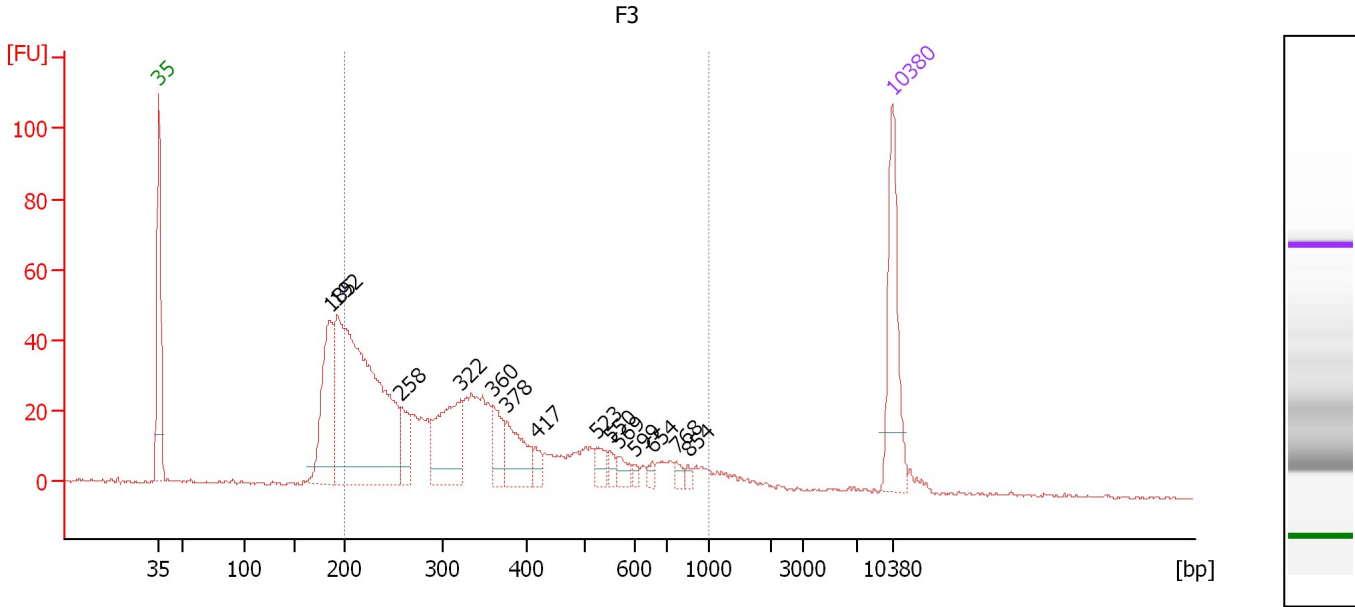
Region table for sample 5 : F2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	335	1,029.7	934.27	4,781.0	82	31.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

Created: 3/21/2018 4:49:27 PM
 Modified: 3/21/2018 5:27:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : F3

Number of peaks found: 14 Corr. Area 1: 820.5
 Noise: 0.4

Peak table for sample 6 : 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	185	129.96	1,064.4		59.33
3	192	464.90	3,660.5		60.04
4	258	38.47	226.4		66.15
5	322	98.92	465.7		71.84
6	360	35.45	149.3		74.85
7	378	50.49	202.5		76.27
8	417	11.29	41.0		78.97
9	523	15.94	46.2		84.77
10	550	6.91	19.1		86.04
11	569	11.13	29.6		86.95
12	599	4.30	10.9		88.38
13	654	5.53	12.8		90.06
14	768	6.33	12.5		92.35
15	854	3.66	6.5		93.52
16	10,380	75.00	10.9	Upper Marker	113.00

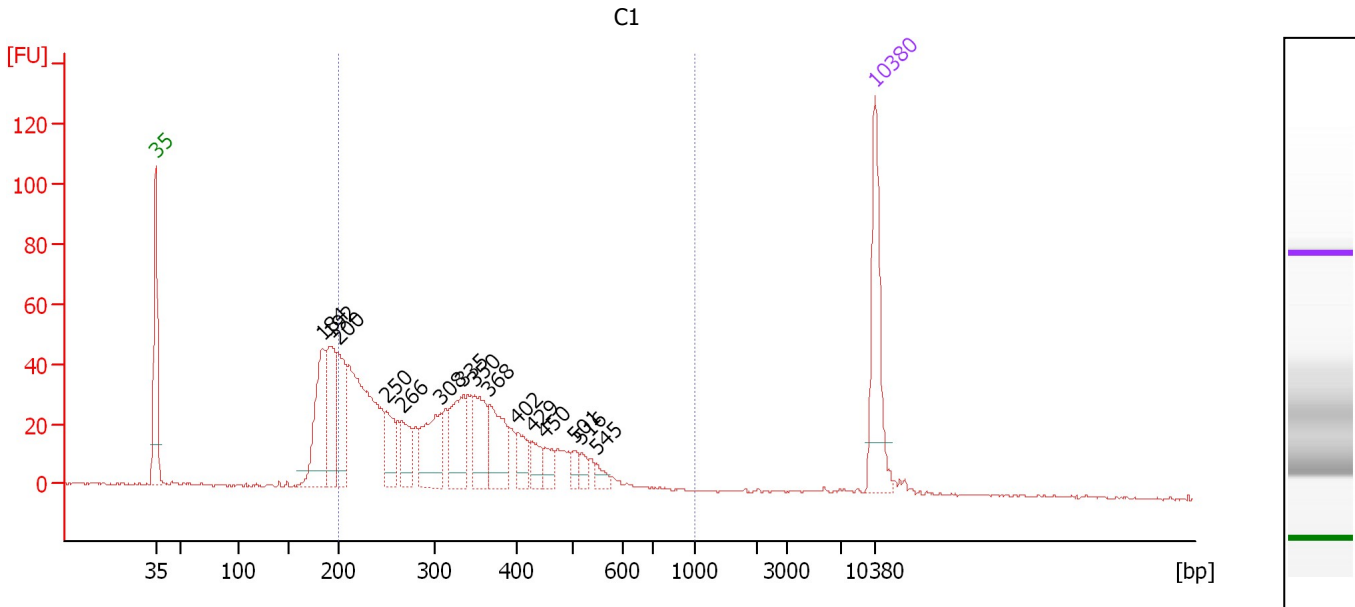
Region table for sample 6 : F3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	361	820.5	901.76	4,592.8	77	44.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

Created: 3/21/2018 4:49:27 PM
 Modified: 3/21/2018 5:27:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : C1

Number of peaks found: 15 Corr. Area 1: 834.1
 Noise: 0.4

Peak table for sample 7 : C1

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	114.77	945.3		59.23
3	192	90.48	715.8		59.96
4	200	82.18	623.7		60.73
5	250	46.01	278.7		65.45
6	266	37.01	210.6		66.96
7	308	72.94	358.9		70.74
8	335	66.10	298.6		72.92
9	350	59.65	258.3		74.06
10	368	60.30	248.5		75.46
11	402	26.98	101.6		78.16
12	429	20.68	73.0		79.66
13	450	17.59	59.2		80.85
14	501	10.03	30.3		83.70
15	516	11.30	33.2		84.43
16	545	10.13	28.1		85.83
17	10,380	75.00	10.9	Upper Marker	113.00

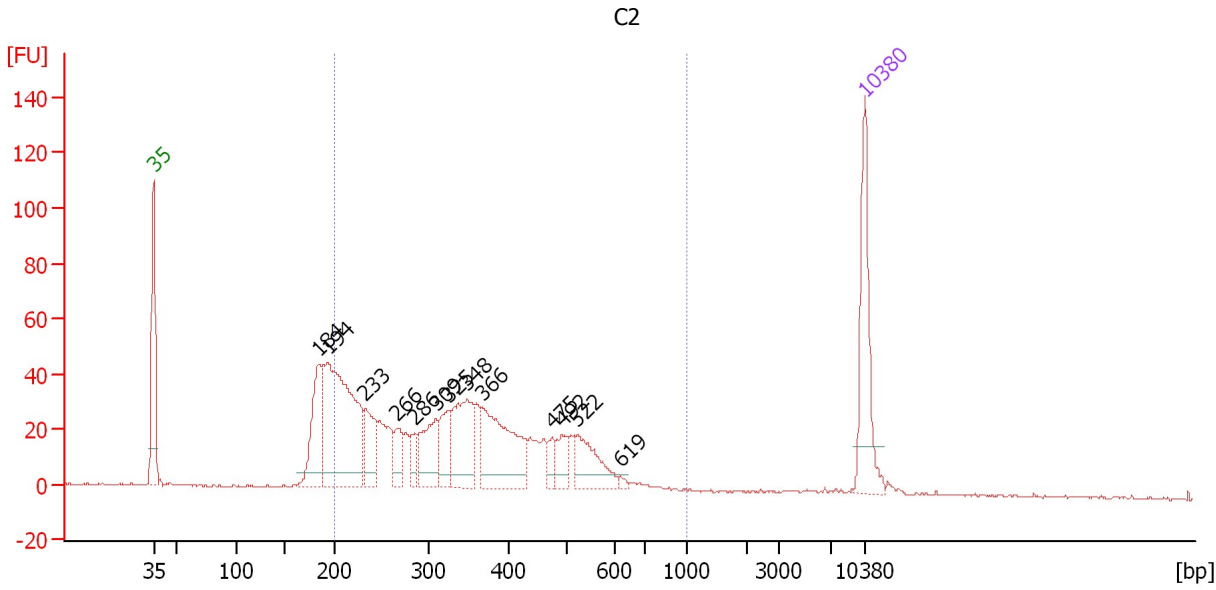
Region table for sample 7 : C1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	328	834.1	859.08	4,440.9	81	29.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : C2

Number of peaks found: 13 Corr. Area 1: 880.7
 Noise: 0.4

Peak table for sample 8 : C2

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	94.50	779.0		59.21
3	194	268.56	2,101.3		60.16
4	233	54.10	352.1		63.83
5	266	29.26	166.7		66.93
6	286	20.11	106.7		68.76
7	309	59.11	290.0		70.81
8	325	40.48	188.9		72.07
9	348	84.97	370.0		73.91
10	366	121.74	504.2		75.32
11	475	14.61	46.6		82.25
12	492	24.26	74.7		83.19
13	522	51.15	148.4		84.72
14	619	3.34	8.2		89.02
15	10,380	75.00	10.9	Upper Marker	113.00

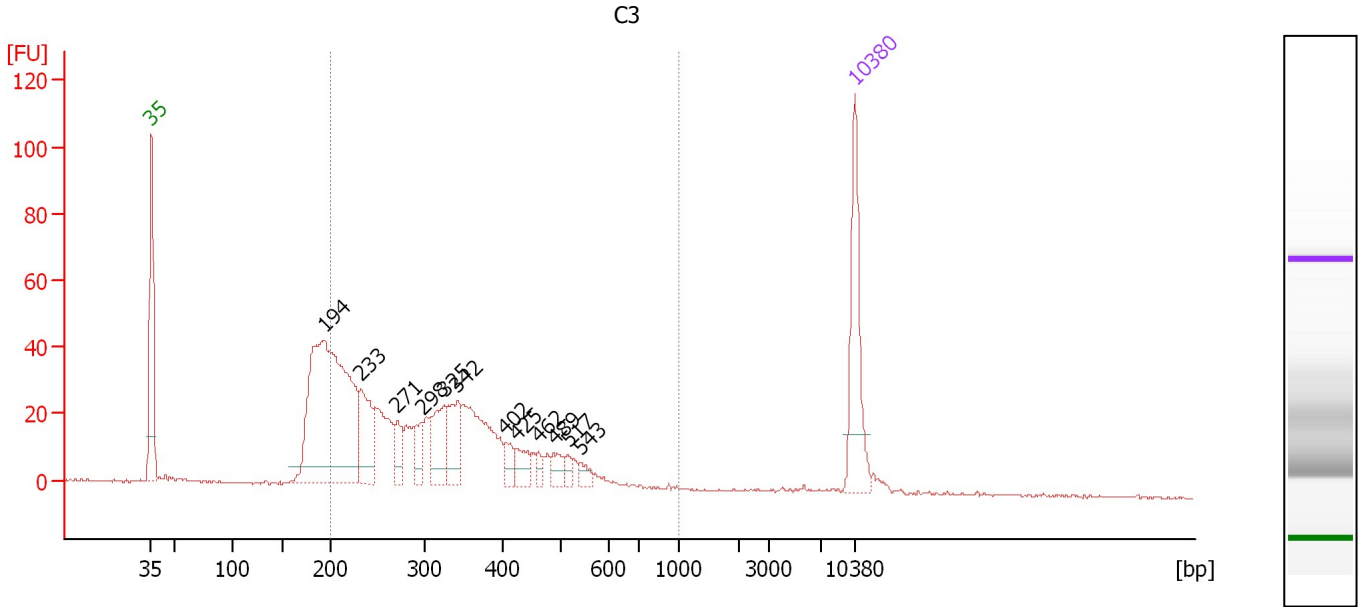
Region table for sample 8 : C2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	349	880.7	832.66	4,137.0	83	31.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : C3

Number of peaks found: 12 Corr. Area 1: 728.1
 Noise: 0.3

Peak table for sample 9 : C3

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	424.17	3,314.7		60.18
3	233	71.46	465.0		63.84
4	271	28.23	157.6		67.45
5	298	26.64	135.6		69.89
6	325	56.19	261.7		72.11
7	342	49.75	220.4		73.44
8	402	16.19	61.0		78.16
9	425	20.72	73.9		79.43
10	462	8.34	27.3		81.50
11	489	15.38	47.6		83.04
12	517	8.46	24.8		84.47
13	543	9.53	26.6		85.69
14	10,380	75.00	10.9	Upper Marker	113.00

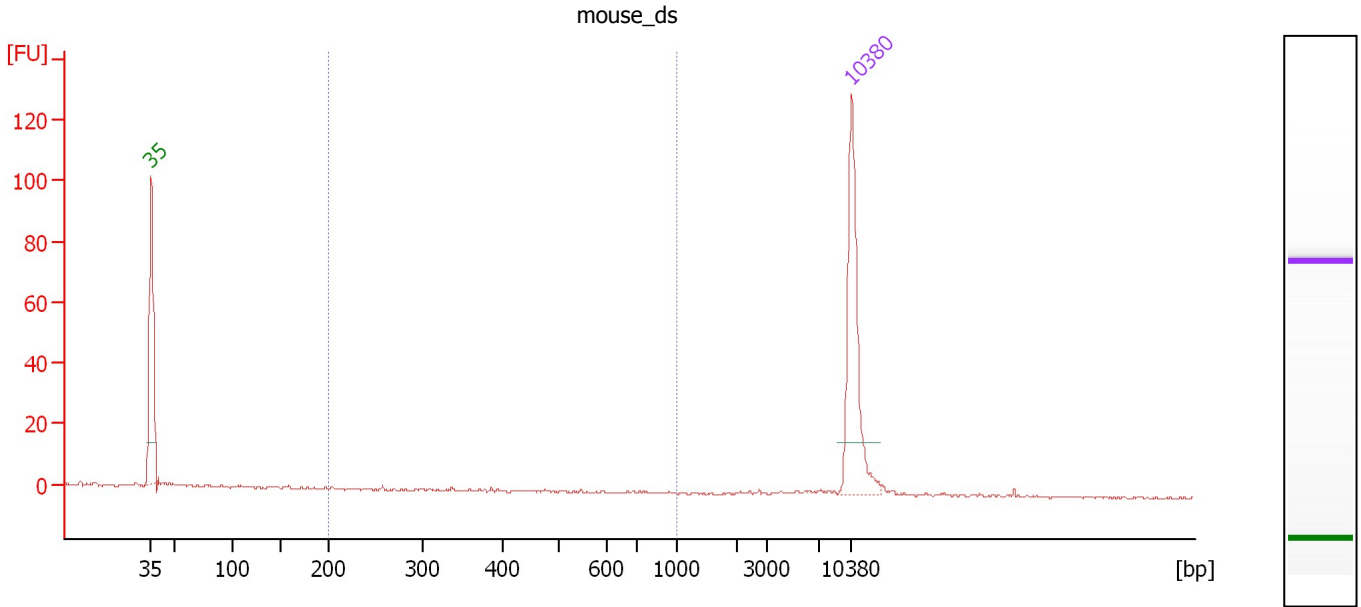
Region table for sample 9 : C3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	329	728.1	827.92	4,319.2	77	33.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : mouse_ds

Number of peaks found: 0 Corr. Area 1: 1.4
 Noise: 0.3

Peak table for sample 10 : mouse_ds

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	10,380	75.00	10.9	Upper Marker	113.00

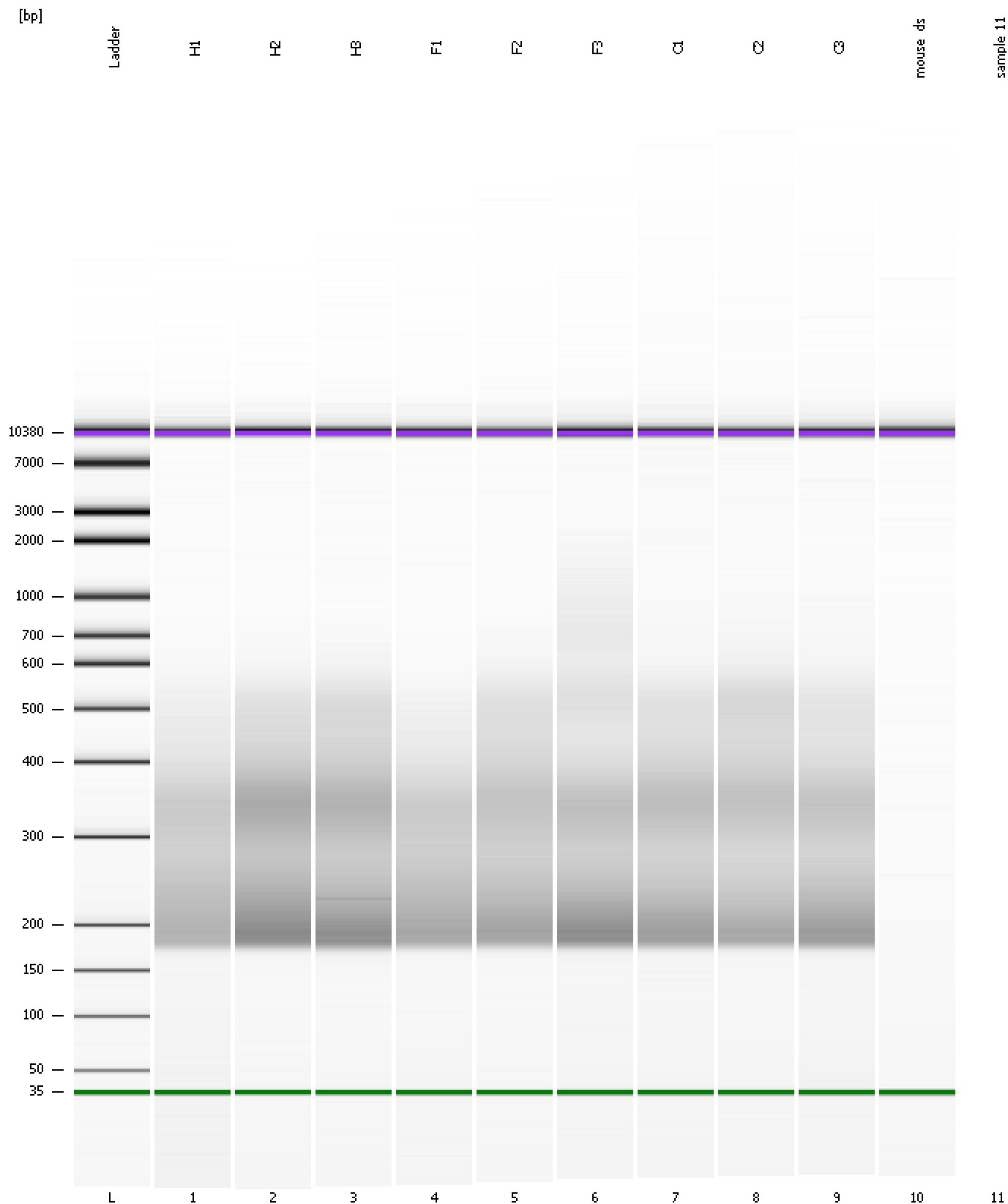
Region table for sample 10 : mouse_ds

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	467	1.4	1.16	4.7	7	40.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

Created: 3/21/2018 4:49:27 PM
Modified: 3/21/2018 5:27:52 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-21\2018-03-21_003.xad

Created: 3/21/2018 4:49:27 PM
Modified: 3/21/2018 5:27:52 PM

Invalid Samples

Sample 11 has not been run, no results available.