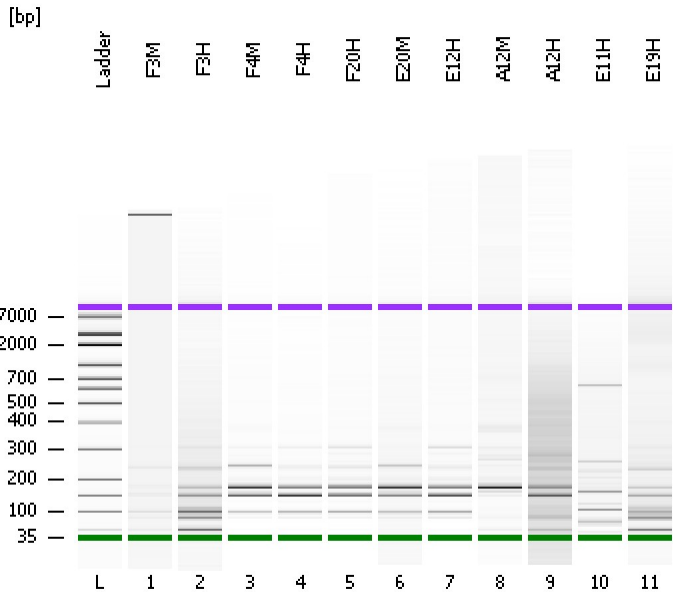


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
Modified: 8/6/2019 3:11:28 PM

Electrophoresis File Run Summary



Instrument Information:

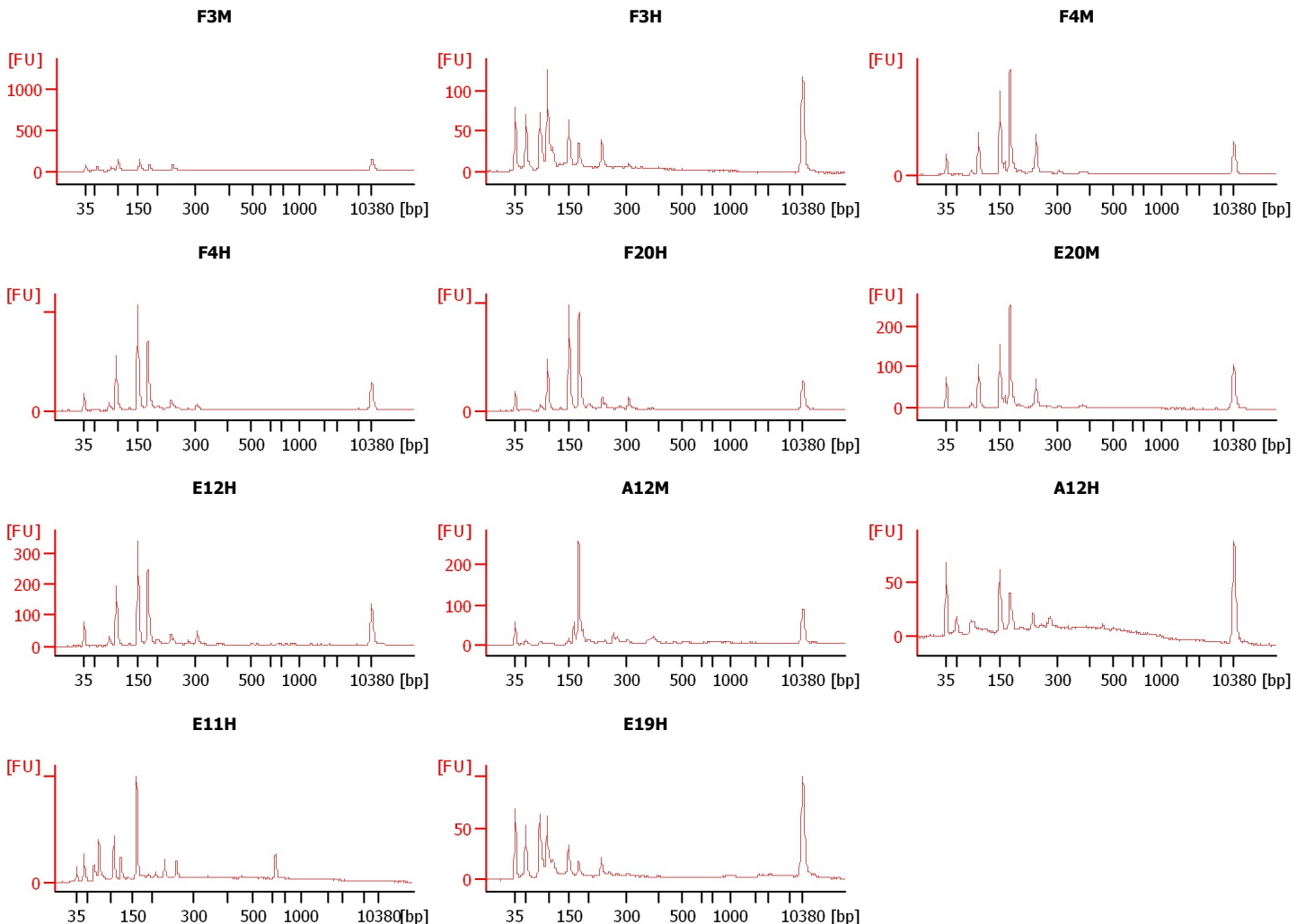
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
F3M		<input type="checkbox"/>	✓			
F3H		<input type="checkbox"/>	✓			
F4M		<input type="checkbox"/>	✓			
F4H		<input type="checkbox"/>	✓			
F20H		<input type="checkbox"/>	✓			
E20M		<input type="checkbox"/>	✓			
E12H		<input type="checkbox"/>	✓			
A12M		<input type="checkbox"/>	✓			
A12H		<input type="checkbox"/>	✓			
E11H		<input type="checkbox"/>	✓			
E19H		<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\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
Modified: 8/6/2019 3:11:28 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

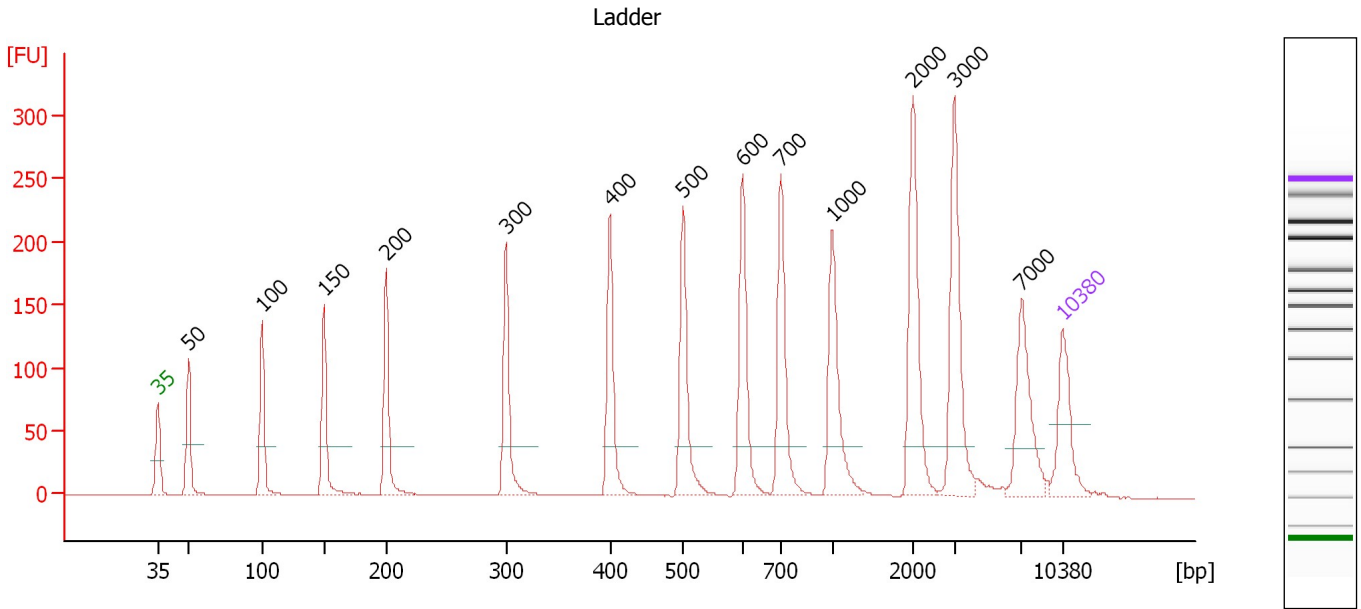
Ladder

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\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

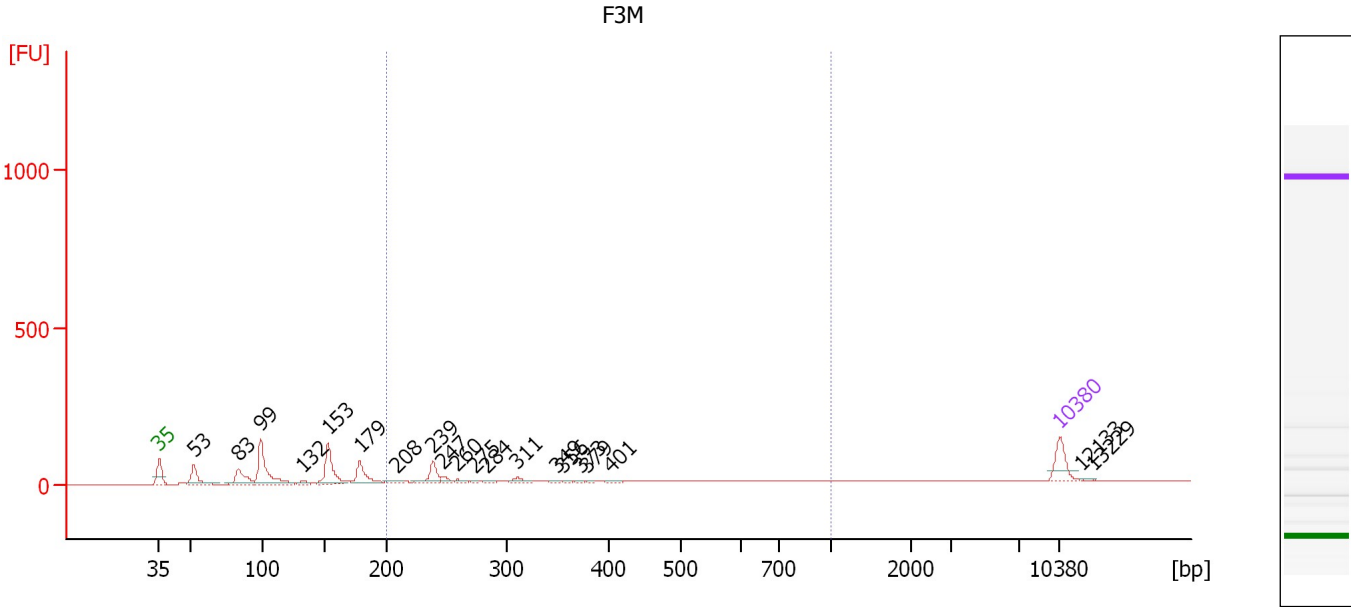
Peak table for Ladder

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	51.05
4	150	150.00	1,515.2	Ladder Peak	55.87
5	200	150.00	1,136.4	Ladder Peak	60.65
6	300	150.00	757.6	Ladder Peak	69.95
7	400	150.00	568.2	Ladder Peak	78.00
8	500	150.00	454.5	Ladder Peak	83.63
9	600	150.00	378.8	Ladder Peak	88.26
10	700	150.00	324.7	Ladder Peak	91.23
11	1,000	150.00	227.3	Ladder Peak	95.20
12	2,000	150.00	113.6	Ladder Peak	101.43
13	3,000	150.00	75.8	Ladder Peak	104.65
14	7,000	150.00	32.5	Ladder Peak	109.83
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : F3M

Number of peaks found: 20 Corr. Area 1: 558.1
 Noise: 0.6

Peak table for sample 1 : F3M

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	53	121.24	3,456.0		45.72
3	83	120.38	2,186.2		49.16
4	99	295.60	4,533.4		50.91
5	132	19.08	218.9		54.14
6	153	204.98	2,031.6		56.15
7	179	119.53	1,013.6		58.61
8	208	19.94	144.9		61.44
9	239	88.39	559.5		64.31
10	247	24.05	147.5		65.03
11	260	16.68	97.3		66.21
12	275	6.59	36.3		67.60
13	284	10.64	56.7		68.47
14	311	24.97	121.7		70.84
15	349	7.12	30.9		73.87
16	356	6.06	25.8		74.43
17	373	5.23	21.3		75.82
18	379	4.81	19.2		76.33
19	401	6.92	26.1		78.08
20	10,380	75.00	10.9	Upper Marker	113.00
21	12,133	0.00	0.0		114.64
22	13,229	0.00	0.0		115.67

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
Modified: 8/6/2019 3:11:28 PM

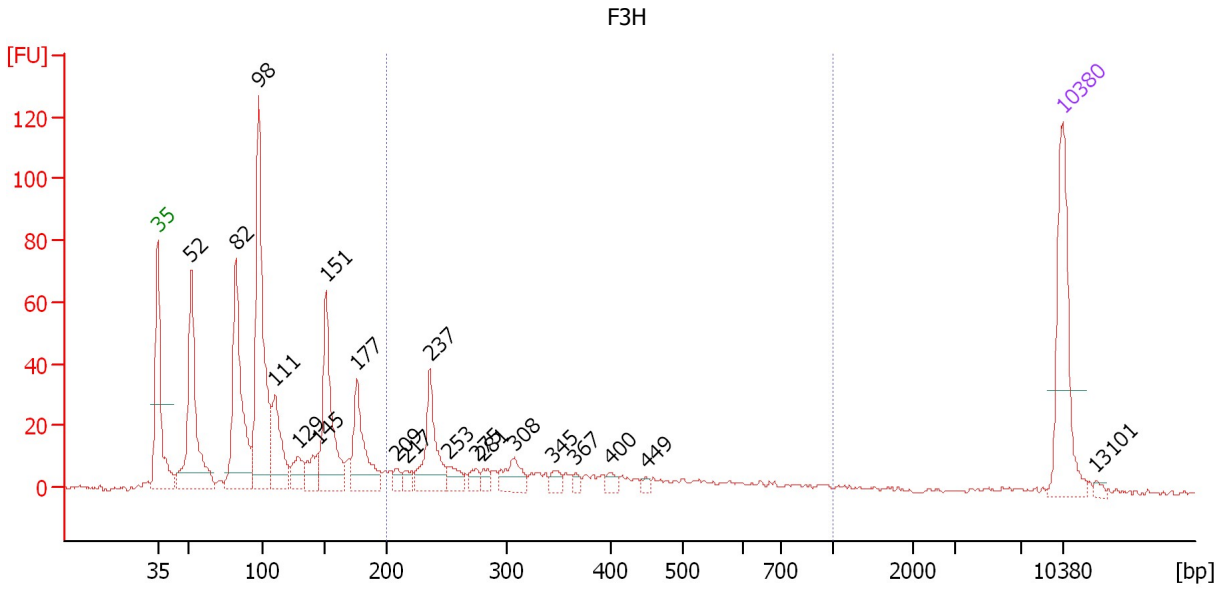
Electropherogram Summary Continued ...**... Region table for sample 1 : F3M**

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	411	559.66	558.1	2,611.9	 31	45.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : F3H

Number of peaks found: 20 Corr. Area 1: 239.5
 Noise: 0.7


Peak table for sample 2 : F3H

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	52	158.97	4,623.2		45.60
3	82	167.44	3,081.6		49.04
4	98	230.75	3,571.4		50.81
5	111	69.68	951.1		52.11
6	129	22.79	267.0		53.88
7	145	26.66	278.6		55.39
8	151	116.66	1,167.1		56.01
9	177	74.80	640.2		58.46
10	209	8.50	61.7		61.48
11	217	8.53	59.5		62.26
12	237	67.92	434.5		64.08
13	253	15.08	90.3		65.59
14	275	10.15	56.0		67.62
15	281	8.64	46.6		68.19
16	308	26.58	130.8		70.58
17	345	8.65	38.0		73.60
18	367	5.33	22.0		75.32
19	400	6.59	25.0		77.97
20	449	3.65	12.3		80.78
21	10,380	75.00	10.9	Upper Marker	113.00
22	13,101	0.00	0.0		115.55

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
Modified: 8/6/2019 3:11:28 PM

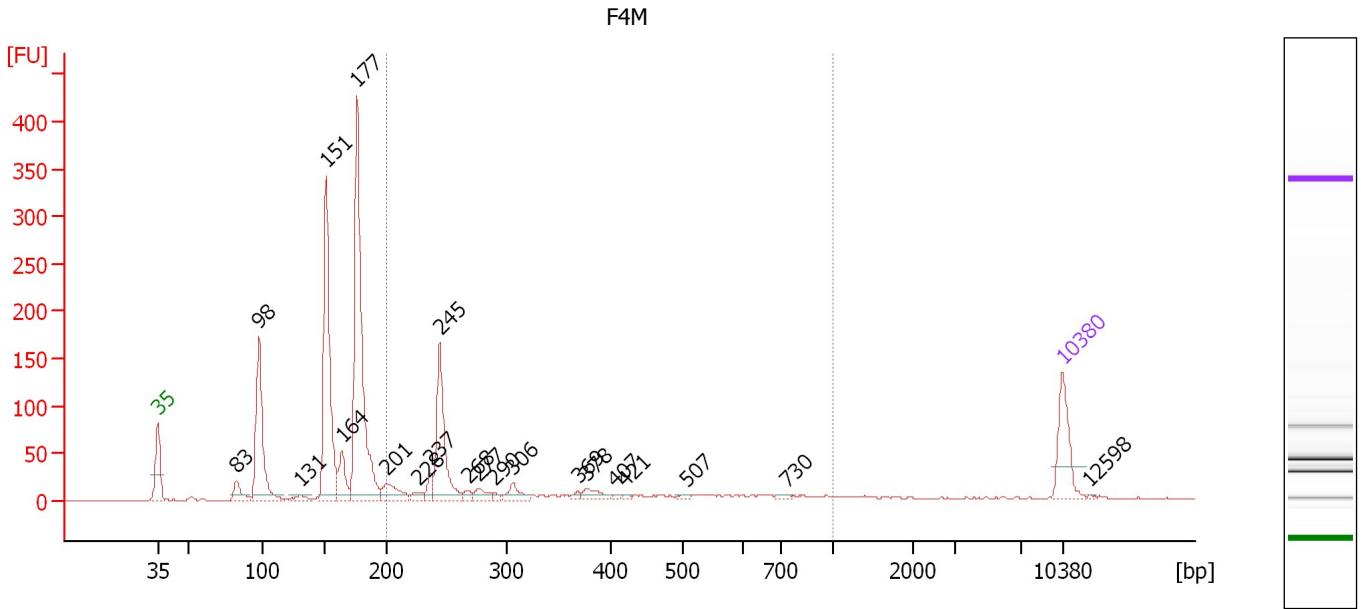
Electropherogram Summary Continued ...**... Region table for sample 2 : F3H**

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	371	247.49	239.5	1,231.0	 26	44.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : F4M

Number of peaks found: 21 Corr. Area 1: 461.1
 Noise: 0.8

Peak table for sample 3 : F4M

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	83	36.61	670.9		49.08
3	98	268.42	4,143.2		50.84
4	131	12.84	148.5		54.04
5	151	444.73	4,450.4		56.01
6	164	68.43	631.3		57.23
7	177	581.08	4,972.0		58.46
8	201	50.90	384.6		60.70
9	228	14.92	99.1		63.26
10	237	25.95	165.7		64.11
11	245	194.87	1,204.0		64.86
12	268	12.30	69.5		66.99
13	277	21.27	116.2		67.84
14	290	7.29	38.0		69.07
15	306	29.66	146.8		70.46
16	369	8.00	32.8		75.52
17	378	23.80	95.4		76.21
18	407	4.30	16.0		78.40
19	421	4.19	15.1		79.20
20	507	6.65	19.9		83.94
21	730	6.14	12.8		91.62
22	10,380	75.00	10.9	Upper Marker	113.00
23	12,598	0.00	0.0		115.08

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...

... Region table for sample 3 :

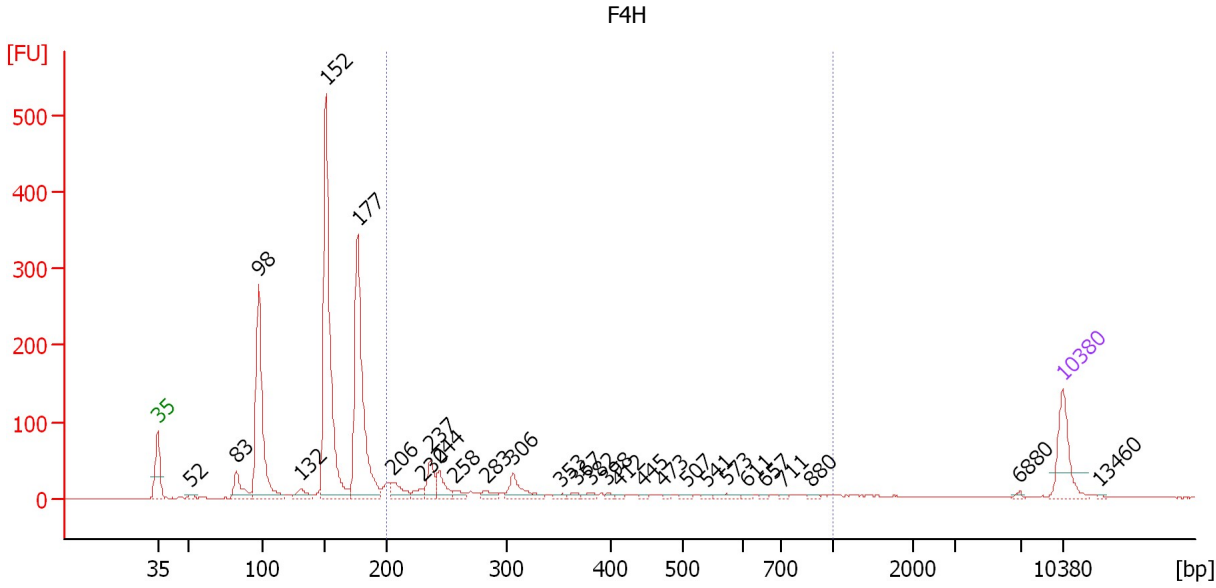
F4M

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	351	492.07	461.1	2,597.8	 28	47.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : F4H

Number of peaks found: 29 Corr. Area 1: 383.2
 Noise: 0.8

Peak table for sample 4 : F4H

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	52	8.84	256.6		45.61
3	83	64.96	1,187.5		49.10
4	98	398.40	6,175.5		50.79
5	132	27.55	316.8		54.11
6	152	655.71	6,556.6		56.02
7	177	466.60	3,990.0		58.47
8	206	40.24	296.2		61.19
9	230	17.52	115.2		63.48
10	237	49.32	314.7		64.14
11	244	44.23	274.1		64.79
12	258	15.33	90.0		66.04
13	283	15.79	84.5		68.39
14	306	51.89	256.7		70.46
15	353	6.71	28.8		74.21
16	367	7.82	32.3		75.36
17	382	8.41	33.4		76.56
18	398	5.35	20.4		77.81
19	412	4.18	15.4		78.68
20	445	4.51	15.4		80.53
21	473	3.53	11.3		82.11
22	507	5.96	17.8		83.96
23	541	4.20	11.7		85.54
24	573	10.84	28.6		87.02
25	611	3.75	9.3		88.60

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : F4H

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	657	3.32	7.7		89.96
27	711	3.21	6.8		91.37
28	880	3.48	6.0		93.61
29	6,880	3.18	0.7		109.68
30	10,380	75.00	10.9	Upper Marker	113.00
31	13,460	0.00	0.0		115.89

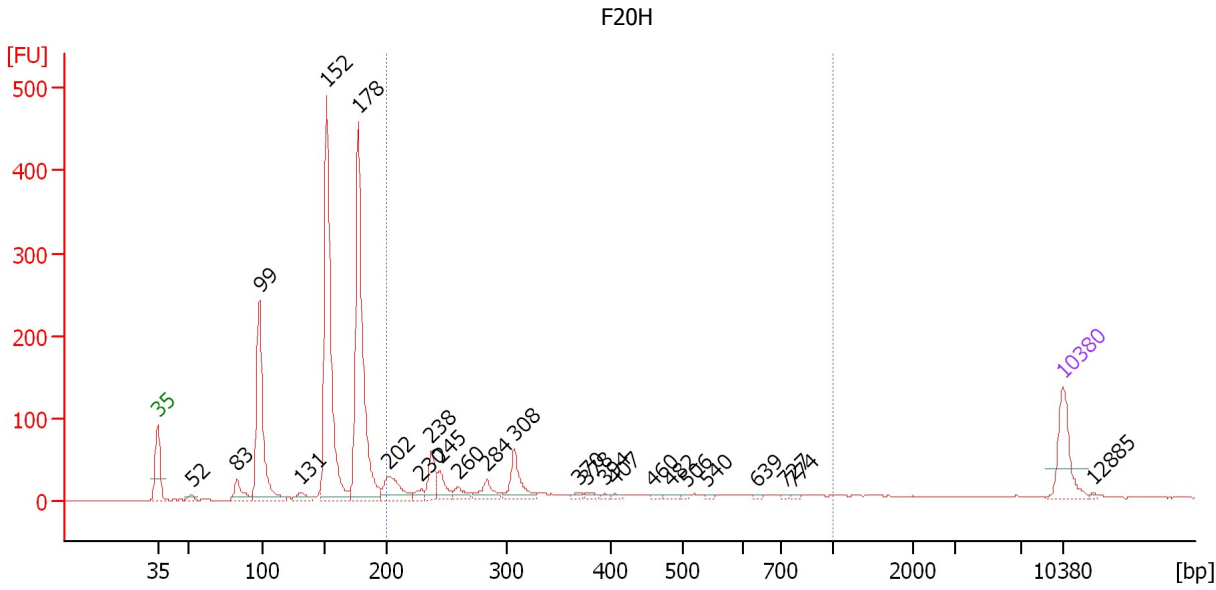
Region table for sample 4 : F4H

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	364	369.69	383.2	1,907.2	21	47.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : F20H

Number of peaks found: 25 Corr. Area 1: 477.6
 Noise: 0.8

Peak table for sample 5 : F20H

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	52	10.27	297.3		45.63
3	83	49.15	893.9		49.15
4	99	347.27	5,338.0		50.88
5	131	20.55	237.1		54.07
6	152	607.83	6,051.2		56.08
7	178	568.26	4,838.7		58.54
8	202	77.57	581.9		60.84
9	230	18.13	119.6		63.41
10	238	58.16	370.2		64.19
11	245	39.12	241.7		64.86
12	260	23.53	137.0		66.26
13	284	40.43	215.5		68.50
14	308	76.09	374.8		70.56
15	370	8.40	34.4		75.60
16	378	9.58	38.3		76.27
17	394	5.07	19.5		77.55
18	407	5.90	22.0		78.39
19	460	5.38	17.7		81.35
20	482	7.28	22.9		82.64
21	506	4.18	12.5		83.93
22	540	3.79	10.6		85.49
23	639	3.47	8.2		89.41
24	727	3.39	7.1		91.59
25	774	3.16	6.2		92.20

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...**... Peak table for sample 5 : F20H**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00
27	12,885	0.00	0.0		115.35

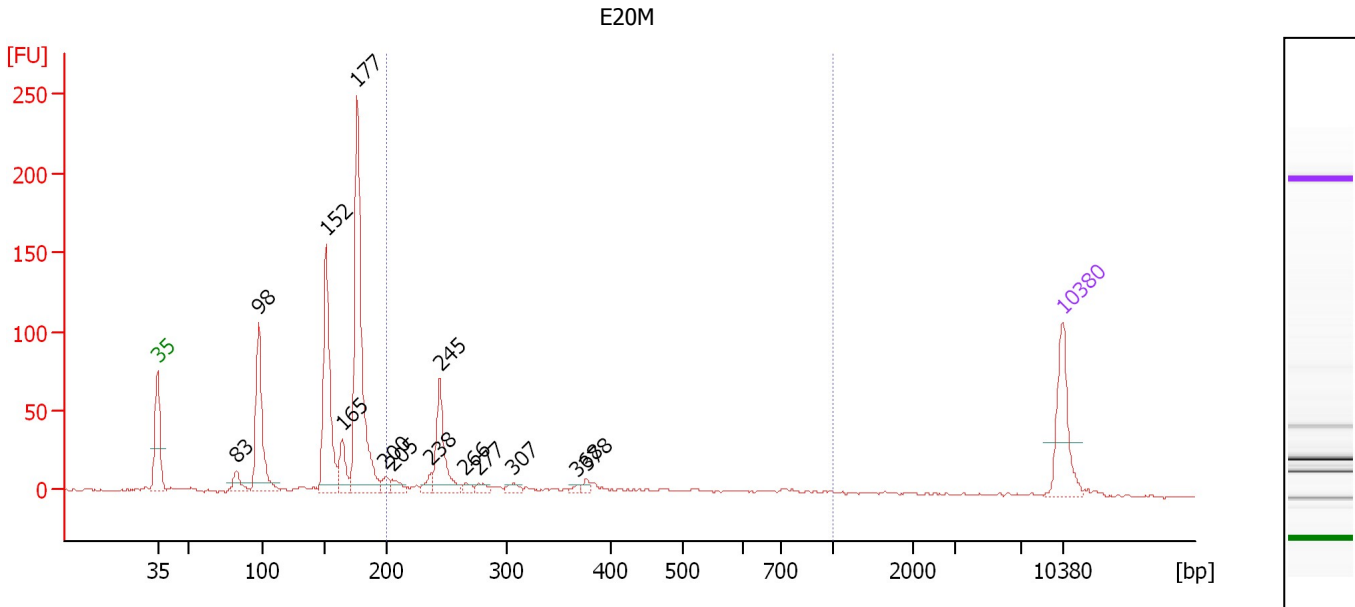
Region table for sample 5 : F20H

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	365	468.69	477.6	2,388.1	 25	46.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : E20M

Number of peaks found: 14 Corr. Area 1: 215.2
 Noise: 0.7

Peak table for sample 6 : E20M

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	83	28.94	530.0		49.08
3	98	194.66	3,017.2		50.79
4	152	236.66	2,366.1		56.02
5	165	48.94	450.3		57.27
6	177	389.70	3,333.1		58.47
7	200	14.43	109.4		60.63
8	205	15.60	115.2		61.14
9	238	14.80	94.3		64.15
10	245	105.16	650.4		64.84
11	266	8.83	50.2		66.83
12	277	12.57	68.8		67.79
13	307	11.28	55.6		70.52
14	368	6.11	25.2		75.41
15	378	8.83	35.4		76.21
16	10,380	75.00	10.9	Upper Marker	113.00

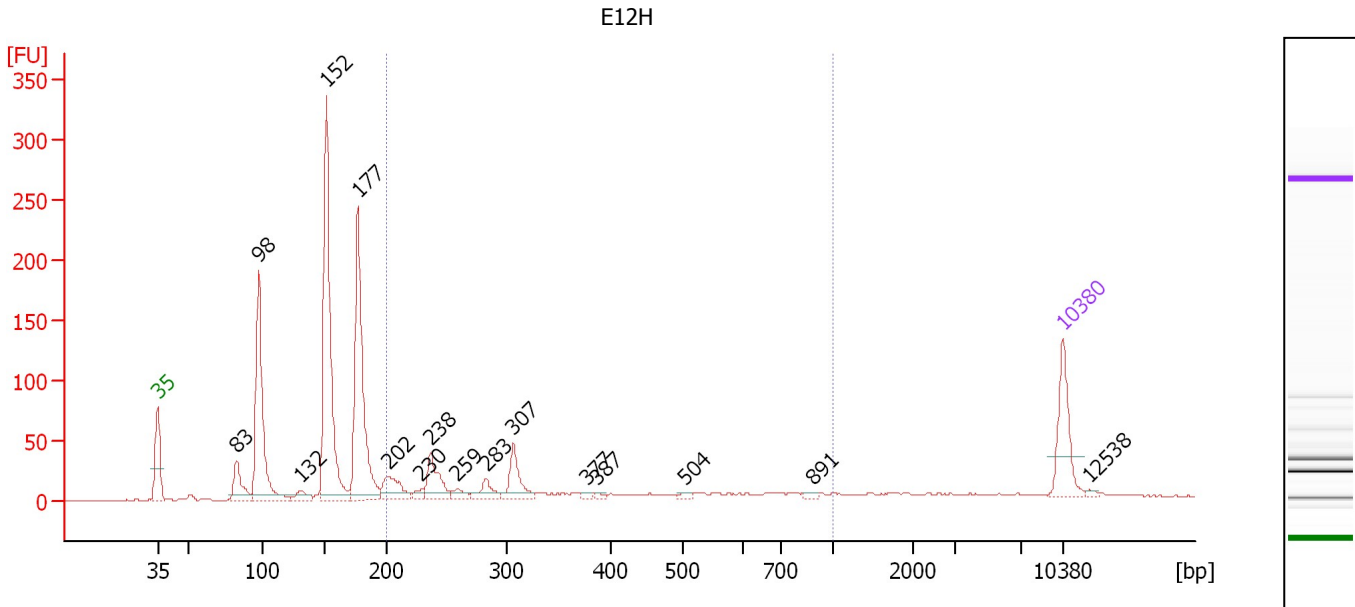
Region table for sample 6 : E20M

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	351	268.06	215.2	1,413.0	25	47.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : E12H

Number of peaks found: 16 Corr. Area 1: 352.8
 Noise: 0.6

Peak table for sample 7 : E12H

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	83	65.68	1,197.3		49.13
3	98	315.21	4,880.1		50.80
4	132	20.93	241.0		54.10
5	152	474.30	4,728.2		56.06
6	177	362.16	3,093.2		58.49
7	202	61.97	465.6		60.80
8	230	12.29	81.1		63.40
9	238	72.91	464.8		64.16
10	259	17.73	103.8		66.12
11	283	32.75	175.3		68.38
12	307	63.59	313.9		70.51
13	377	6.42	25.8		76.18
14	387	4.94	19.3		76.99
15	504	6.37	19.1		83.81
16	891	4.62	7.9		93.75
17	10,380	75.00	10.9	Upper Marker	113.00
18	12,538	0.00	0.0		115.02

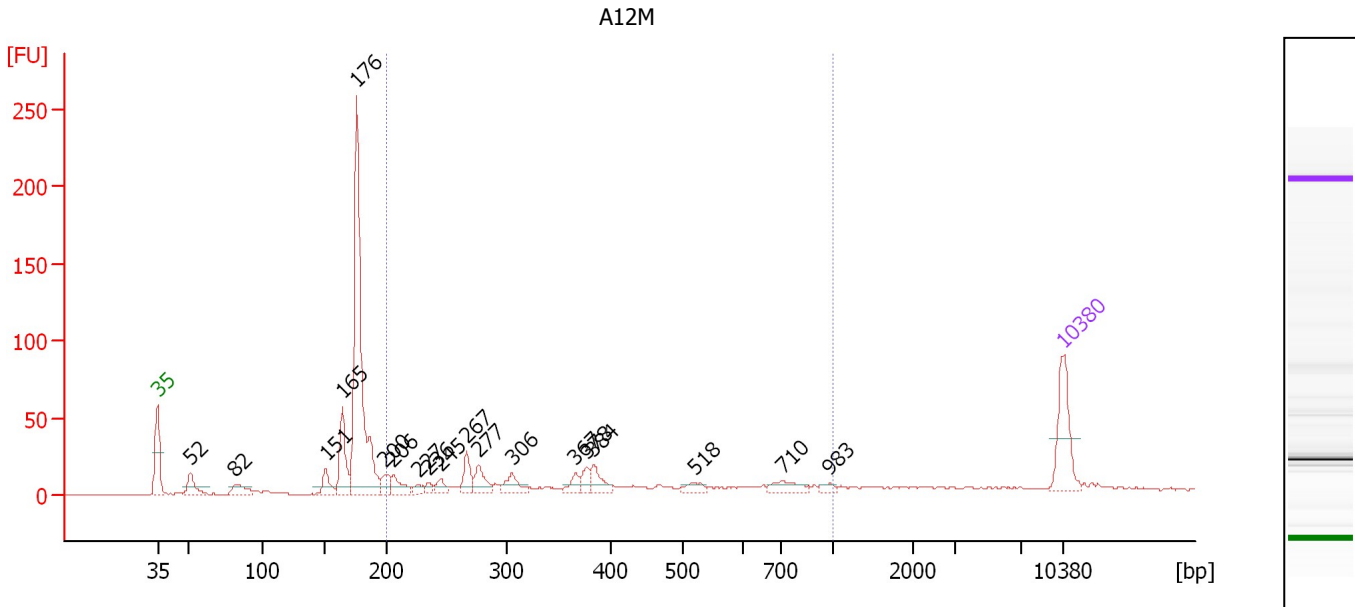
Region table for sample 7 : E12H

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	378	384.36	352.8	1,926.9	25	47.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : A12M

Number of peaks found: 19 Corr. Area 1: 265.2
 Noise: 0.8

Peak table for sample 8 : A12M

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	52	39.41	1,153.1		45.57
3	82	32.30	596.3		49.01
4	151	32.49	325.1		56.01
5	165	88.10	809.8		57.29
6	176	486.45	4,177.3		58.40
7	200	25.80	195.8		60.62
8	206	29.12	214.3		61.20
9	227	11.99	79.9		63.18
10	236	11.14	71.5		64.00
11	245	18.62	115.0		64.88
12	267	37.22	210.9		66.92
13	277	37.29	204.1		67.79
14	306	32.05	158.8		70.42
15	367	19.52	80.7		75.32
16	378	19.12	76.7		76.19
17	384	31.03	122.4		76.72
18	518	16.13	47.1		84.47
19	710	24.66	52.6		91.36
20	983	7.50	11.6		94.97
21	10,380	75.00	10.9	Upper Marker	113.00

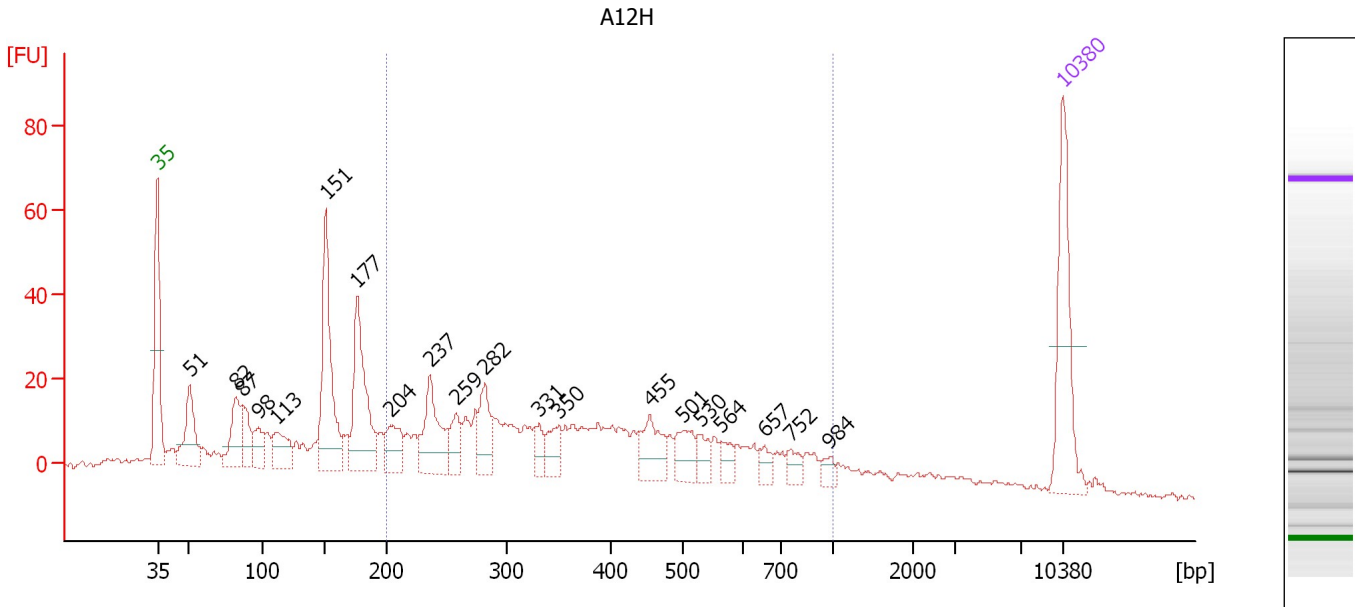
Region table for sample 8 : A12M

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	405	383.84	265.2	1,788.8	37	45.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : A12H

Number of peaks found: 20 Corr. Area 1: 425.6
 Noise: 0.6

Peak table for sample 9 : A12H

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	51	63.31	1,879.6		45.48
3	82	52.55	968.4		49.03
4	87	35.07	607.9		49.62
5	98	25.55	395.8		50.80
6	113	39.77	534.6		52.27
7	151	145.41	1,456.3		56.00
8	177	122.85	1,053.8		58.42
9	204	37.72	280.2		61.02
10	237	70.84	453.0		64.09
11	259	27.45	160.9		66.10
12	282	41.04	220.5		68.28
13	331	17.38	79.5		72.48
14	350	24.71	106.8		74.01
15	455	40.45	134.7		81.10
16	501	28.91	87.3		83.70
17	530	15.83	45.3		85.00
18	564	13.24	35.6		86.59
19	657	10.89	25.1		89.96
20	752	11.90	24.0		91.91
21	984	8.35	12.9		94.98
22	10,380	75.00	10.9	Upper Marker	113.00


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...

... Region table for sample 9 :

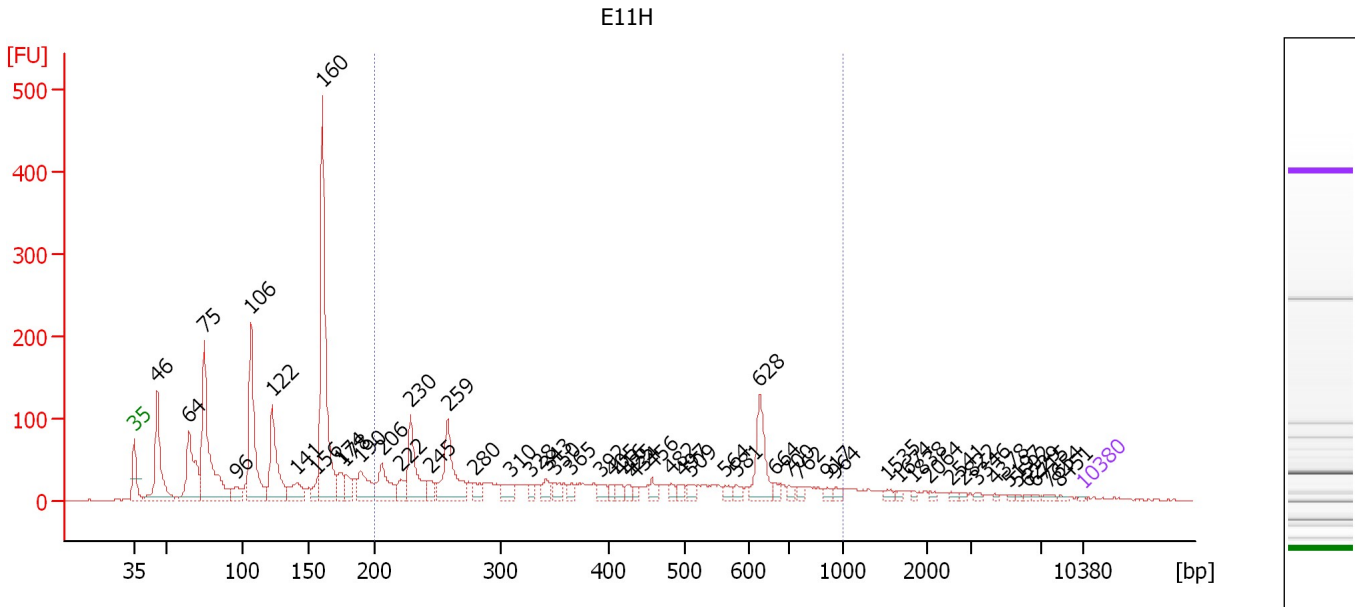
A12H

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	405	581.33	425.6	2,645.9	 55	40.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : E11H

Number of peaks found: 54 Corr. Area 1: 1,358.3
 Noise: 1.1

Peak table for sample 10 : E11H

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	46	11,882.86	393,743.6		44.69
3	64	10,090.91	237,121.4		47.01
4	75	18,807.13	382,452.0		48.15
5	96	2,066.51	32,632.6		50.59
6	106	14,629.06	209,469.4		51.61
7	122	9,470.06	117,515.8		53.18
8	141	3,091.33	33,164.1		55.03
9	156	1,162.86	11,327.9		56.40
10	160	25,412.89	239,942.7		56.87
11	174	1,844.07	16,015.4		58.21
12	178	1,925.73	16,377.1		58.56
13	190	3,888.60	30,994.7		59.70
14	206	4,216.54	30,968.0		61.24
15	222	1,586.10	10,849.1		62.65
16	230	6,490.05	42,840.3		63.40
17	245	1,221.41	7,561.4		64.81
18	259	7,544.61	44,189.4		66.11
19	280	1,344.15	7,278.5		68.08
20	310	1,371.27	6,704.9		70.75
21	328	763.17	3,520.7		72.24
22	343	1,107.67	4,898.6		73.38
23	350	1,000.23	4,330.9		73.97
24	365	672.82	2,792.4		75.19
25	392	931.02	3,599.1		77.35

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...

... Peak table for sample 10 : E11H

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	405	569.00	2,131.1		78.26
27	416	738.46	2,691.5		78.88
28	425	587.79	2,093.2		79.43
29	434	521.40	1,820.9		79.91
30	456	850.38	2,824.4		81.16
31	482	589.26	1,852.3		82.62
32	497	682.78	2,083.0		83.44
33	509	880.43	2,622.5		84.03
34	564	579.55	1,557.2		86.59
35	581	719.87	1,877.7		87.37
36	628	4,559.27	10,991.7		89.10
37	664	606.14	1,382.6		90.16
38	700	485.56	1,051.0		91.23
39	762	432.31	859.2		92.05
40	917	457.51	756.2		94.09
41	964	413.99	650.6		94.72
42	1,535	330.24	325.9		98.54
43	1,674	267.79	242.4		99.40
44	1,838	199.92	164.8		100.42
45	2,064	231.92	170.2		101.64
46	2,541	229.97	137.1		103.17
47	2,822	156.73	84.2		104.08
48	3,346	188.22	85.2		105.10
49	4,378	136.66	47.3		106.44
50	5,197	119.61	34.9		107.50
51	5,592	117.50	31.8		108.01
52	6,229	116.76	28.4		108.83
53	6,715	137.74	31.1		109.46
54	7,654	213.71	42.3		110.45
55	8,451	142.21	25.5		111.19
56	10,380	75.00	10.9	Upper Marker	113.00

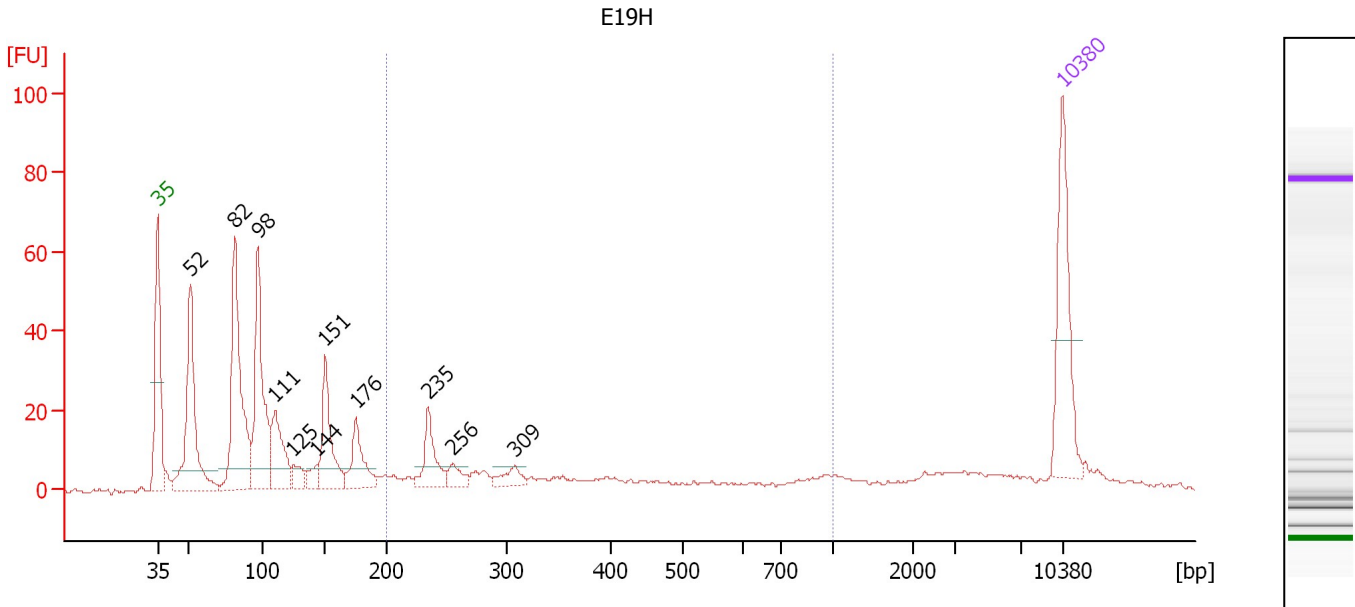
Region table for sample 10 : E11H

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	429	56,044.42	1,358.3	257,905.7	38	43.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
 Modified: 8/6/2019 3:11:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : E19H

Number of peaks found: 11 Corr. Area 1: 183.5
 Noise: 0.4

Peak table for sample 11 : E19H

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	52	149.01	4,355.1		45.57
3	82	189.04	3,499.4		48.98
4	98	151.62	2,352.8		50.78
5	111	68.47	935.9		52.09
6	125	17.04	206.4		53.47
7	144	13.91	146.7		55.26
8	151	75.67	758.5		55.98
9	176	48.43	418.0		58.32
10	235	42.80	275.5		63.94
11	256	14.72	87.1		65.85
12	309	15.44	75.8		70.64
13	10,380	75.00	10.9	Upper Marker	113.00

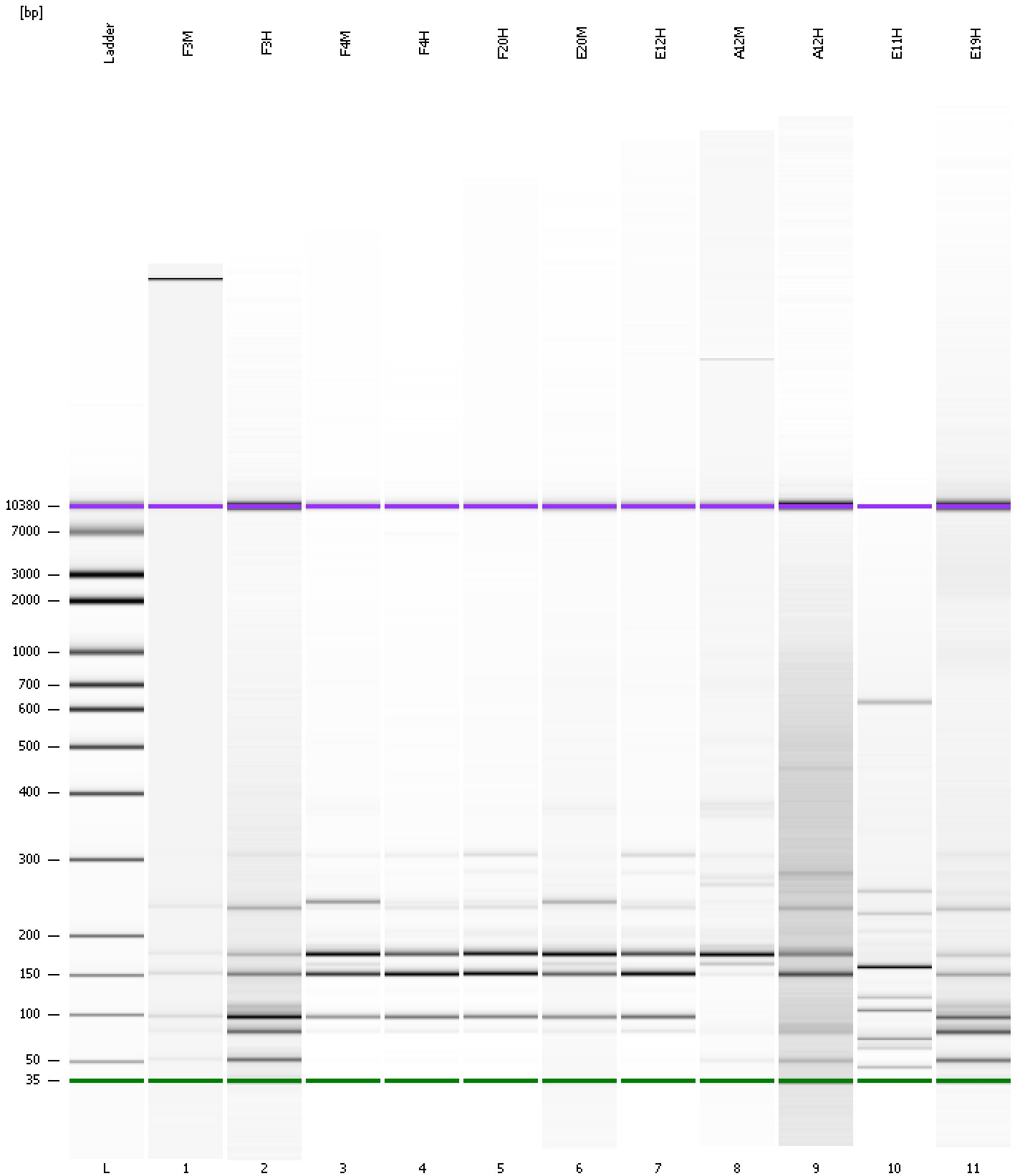
Region table for sample 11 : E19H

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	251.07	183.5	1,187.6	25	48.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad

Created: 8/6/2019 2:26:45 PM
Modified: 8/6/2019 3:11:28 PM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 8/6/2019 2:26:45 PM
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_008.xad Modified: 8/6/2019 3:11:28 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		8/6/2019 3:07:14 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\2019-08-06\2019-08-06_008.xad)		Instrument	Run		8/6/2019 2:26:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		8/6/2019 2:26:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/6/2019 2:26:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/6/2019 2:26:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		8/6/2019 2:26:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/6/2019 2:26:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/6/2019 2:26:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1