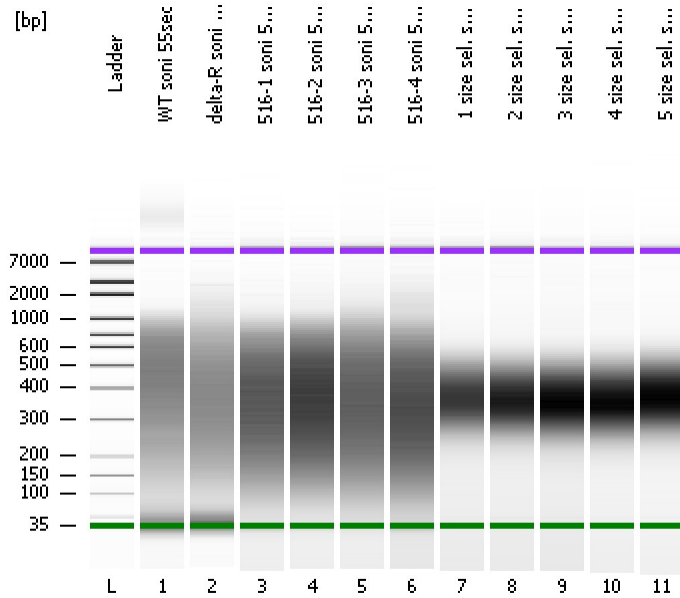


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
Modified: 5/18/2016 4:25:05 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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

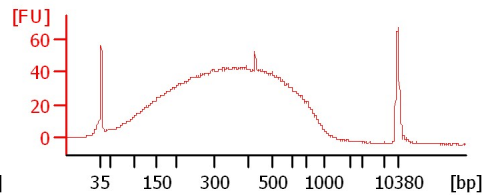
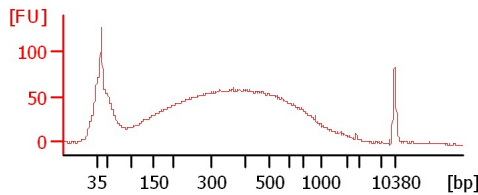
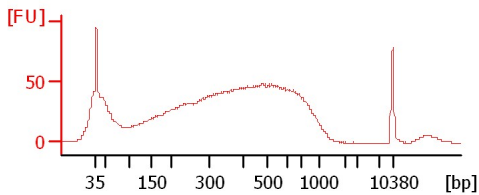
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

WT soni 55sec

delta-R soni 55sec

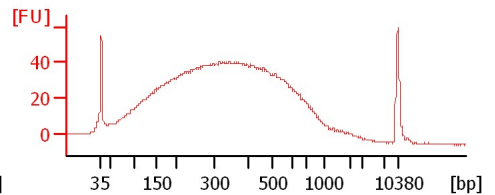
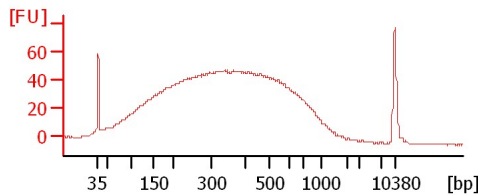
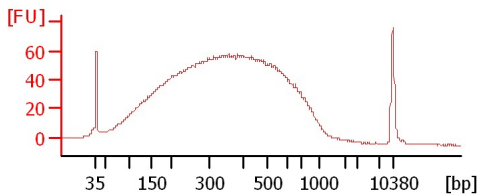
516-1 soni 55sec



516-2 soni 55sec

516-3 soni 55sec

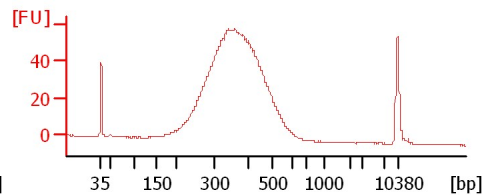
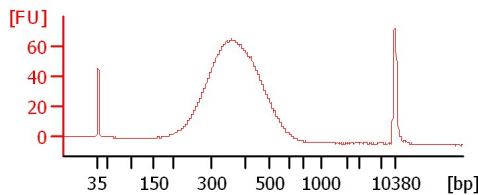
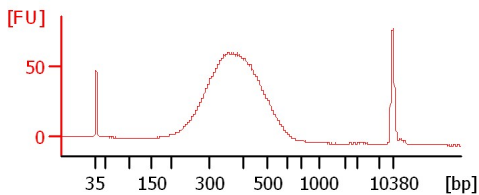
516-4 soni 55sec



1 size sel. soni gDNA

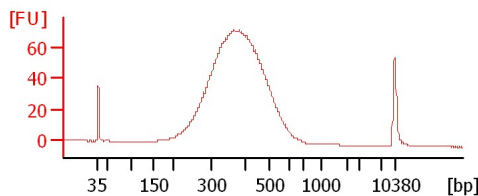
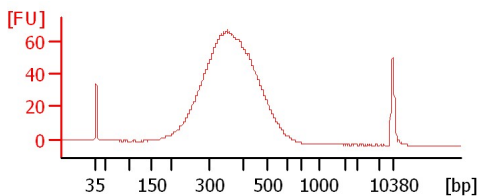
2 size sel. soni gDNA

3 size sel. soni gDNA



4 size sel. soni gDNA

5 size sel. soni gDNA



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
WT soni 55sec		<input type="checkbox"/>	✓			
delta-R soni 55sec		<input type="checkbox"/>	✓			
516-1 soni 55sec		<input type="checkbox"/>	✓			
516-2 soni 55sec		<input type="checkbox"/>	✓			
516-3 soni 55sec		<input type="checkbox"/>	✓			
516-4 soni 55sec		<input type="checkbox"/>	✓			
1 size sel. soni gDNA		<input type="checkbox"/>	✓			
2 size sel. soni gDNA		<input type="checkbox"/>	✓			
3 size sel. soni gDNA		<input type="checkbox"/>	✓			
4 size sel. soni gDNA		<input type="checkbox"/>	✓			
5 size sel. soni gDNA		<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\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
Modified: 5/18/2016 4:25:05 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

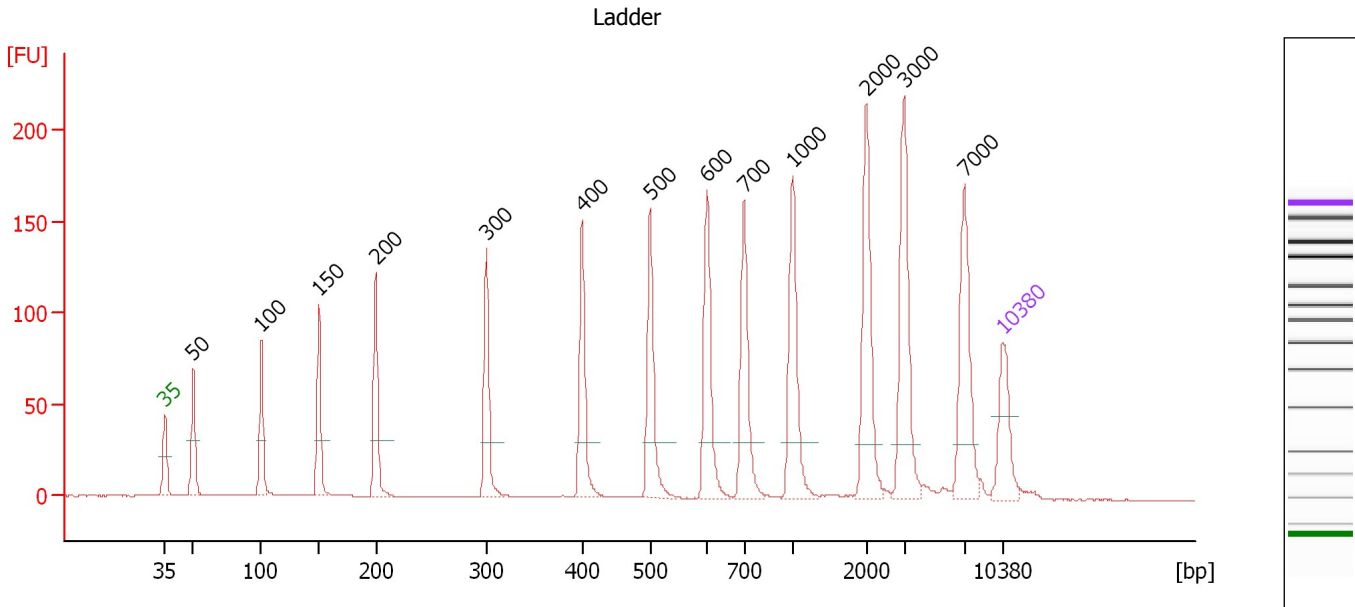
Ladder

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\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

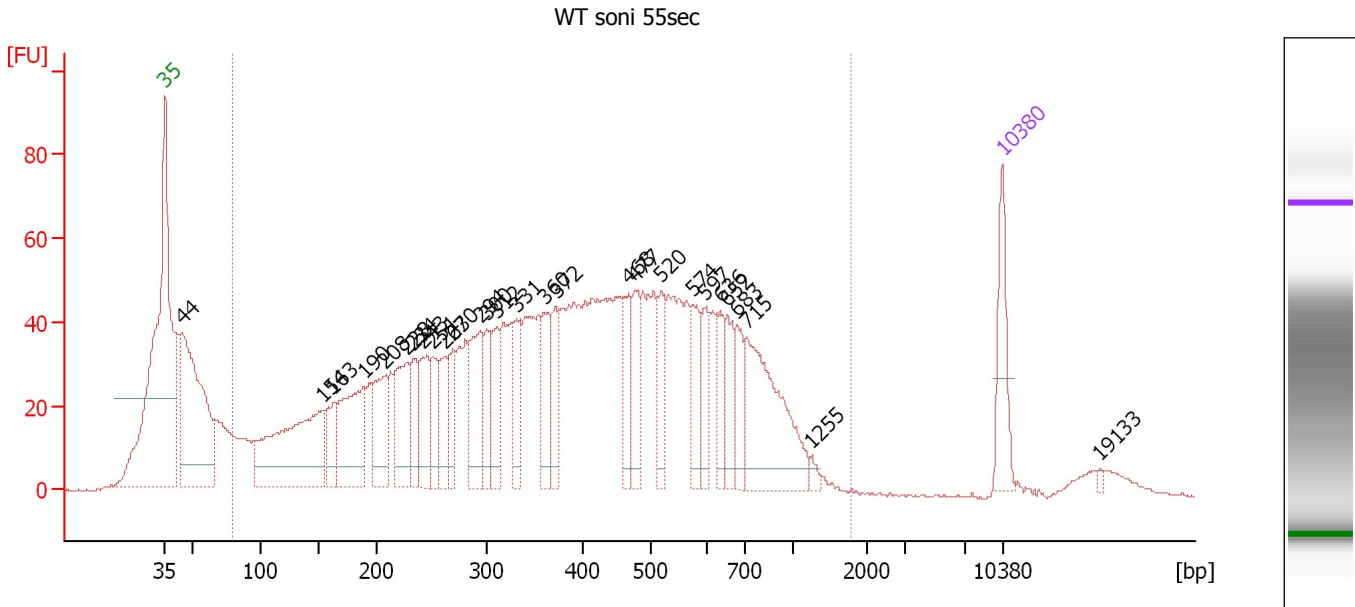
Peak table for Ladder

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	51.04
4	150	150.00	1,515.2	Ladder Peak	55.85
5	200	150.00	1,136.4	Ladder Peak	60.62
6	300	150.00	757.6	Ladder Peak	69.86
7	400	150.00	568.2	Ladder Peak	77.86
8	500	150.00	454.5	Ladder Peak	83.55
9	600	150.00	378.8	Ladder Peak	88.31
10	700	150.00	324.7	Ladder Peak	91.41
11	1,000	150.00	227.3	Ladder Peak	95.48
12	2,000	150.00	113.6	Ladder Peak	101.63
13	3,000	150.00	75.8	Ladder Peak	104.77
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\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : WT soni 55sec

Number of peaks found: 28 Corr. Area 1: 2,255.0
 Noise: 0.2

Peak table for sample 1 : WT soni 55sec

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	44	487.85	16,826.0		44.40
3	154	387.32	3,820.9		56.20
4	163	81.24	755.5		57.08
5	190	209.49	1,671.1		59.66
6	208	125.91	915.6		61.39
7	228	138.10	919.3		63.17
8	234	71.48	462.5		63.78
9	243	96.76	603.9		64.57
10	251	74.47	448.9		65.37
11	263	77.50	446.4		66.44
12	270	64.54	362.1		67.10
13	294	136.53	702.7		69.34
14	300	69.21	349.6		69.86
15	312	89.24	433.9		70.79
16	331	74.17	339.6		72.34
17	360	97.76	411.2		74.68
18	372	66.35	269.9		75.66
19	468	73.98	239.4		81.74
20	477	79.84	253.4		82.26
21	520	65.94	192.1		84.50
22	574	68.94	182.0		87.08
23	597	58.11	147.5		88.15
24	636	52.84	125.9		89.42
25	652	65.36	151.8		89.93

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

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 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : WT soni 55sec

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	683	54.99	122.1		90.87
27	715	244.26	517.4		91.62
28	1,255	8.95	10.8		97.04
29	10,380	75.00	10.9	Upper Marker	113.00
30	19,133	0.00	0.0		121.14

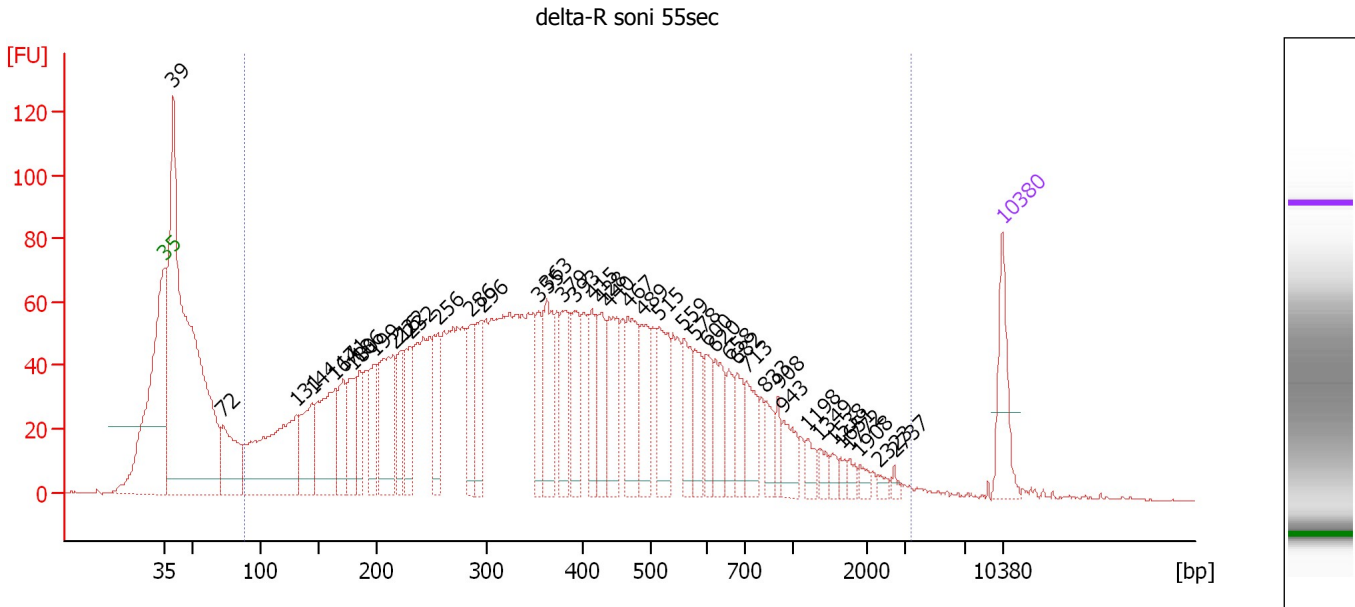
Region table for sample 1 : WT soni 55sec

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
79	1,779	425	2,255.0	25,793.1	4,530.13	88	52.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : delta-R soni 55sec

Number of peaks found: 43 Corr. Area 1: 3,026.6
 Noise: 0.2

Peak table for sample 2 : delta-R soni 55sec

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	39	1,407.22	54,071.3		43.70
3	72	164.21	3,448.4		47.88
4	131	386.27	4,473.8		54.01
5	144	139.87	1,473.2		55.26
6	164	217.86	2,015.2		57.17
7	171	98.46	871.9		57.86
8	180	99.68	837.3		58.75
9	186	82.98	676.9		59.26
10	199	103.65	789.6		60.51
11	216	202.97	1,420.8		62.14
12	222	87.81	598.0		62.69
13	232	108.48	709.9		63.53
14	256	117.37	694.3		65.81
15	286	88.45	468.1		68.59
16	296	115.61	592.1		69.48
17	355	80.86	345.1		74.26
18	363	130.92	546.3		74.91
19	379	100.77	402.5		76.21
20	393	97.22	374.5		77.33
21	415	77.93	284.4		78.72
22	428	97.78	346.0		79.46
23	440	127.09	438.0		80.11
24	467	133.27	432.0		81.69
25	489	93.25	289.2		82.90

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : delta-R soni 55sec

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	515	119.31	351.2		84.25
27	559	78.92	214.1		86.34
28	578	65.75	172.3		87.27
29	600	55.02	139.1		88.29
30	620	71.06	173.6		88.94
31	658	48.63	112.0		90.10
32	682	52.77	117.3		90.84
33	713	68.83	146.2		91.59
34	833	35.39	64.4		93.21
35	908	24.53	40.9		94.23
36	943	44.76	72.0		94.70
37	1,198	21.12	26.7		96.70
38	1,349	17.91	20.1		97.63
39	1,538	13.37	13.2		98.79
40	1,651	9.88	9.1		99.48
41	1,772	10.75	9.2		100.23
42	1,908	11.27	9.0		101.06
43	2,323	7.61	5.0		102.64
44	2,737	6.82	3.8		103.94
45	10,380	75.00	10.9	Upper Marker	113.00

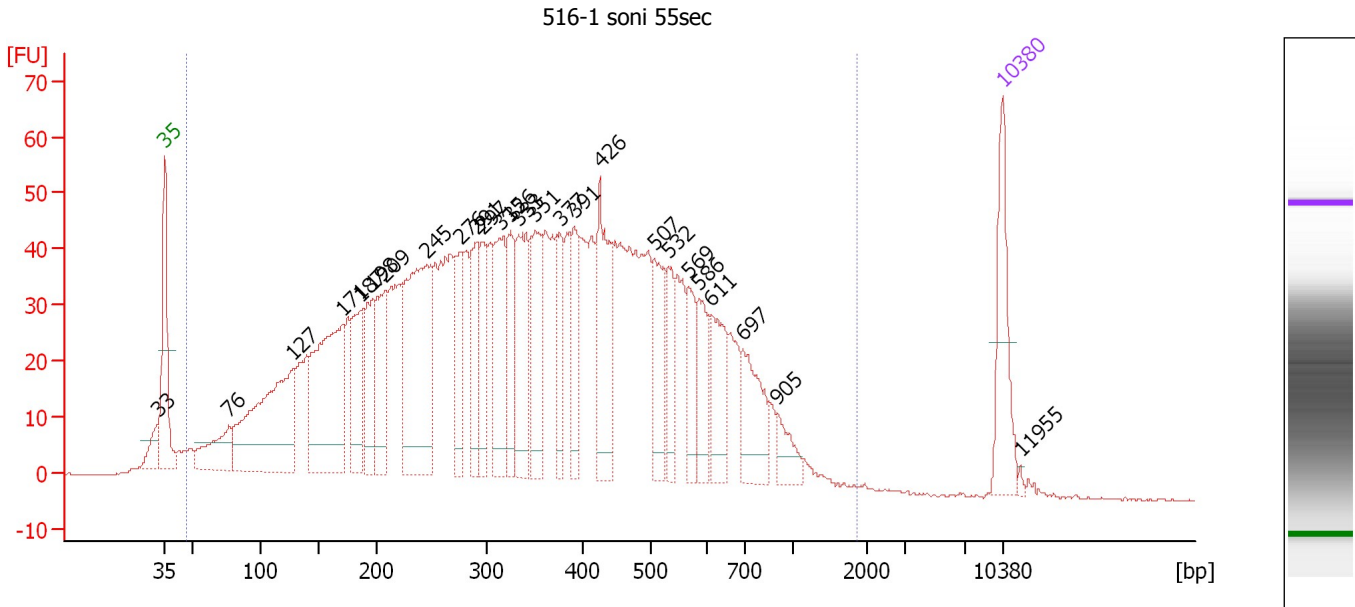
Region table for sample 2 : delta-R soni 55sec

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
88	3,503	452	3,026.6	29,998.0	5,251.09	82	79.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 516-1 soni 55sec

Number of peaks found: 26 Corr. Area 1: 2,266.6
 Noise: 0.2

Peak table for sample 3 : 516-1 soni 55sec

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.39
2	35	125.00	5,411.3	Lower Marker	43.00
3	76	86.54	1,720.1		48.34
4	127	310.76	3,695.3		53.68
5	171	283.23	2,504.2		57.89
6	187	112.07	909.3		59.35
7	198	94.27	722.6		60.39
8	209	122.31	887.3		61.43
9	245	285.07	1,762.0		64.79
10	276	88.75	486.6		67.67
11	291	88.96	463.0		69.04
12	297	77.73	396.9		69.56
13	315	124.16	598.0		71.03
14	326	74.81	347.9		71.93
15	333	125.80	571.6		72.54
16	351	111.99	483.1		73.96
17	377	66.91	268.8		76.04
18	391	75.37	291.8		77.17
19	426	128.33	456.3		79.35
20	507	89.07	266.1		83.88
21	532	48.62	138.5		85.07
22	569	50.30	134.0		86.81
23	586	56.63	146.3		87.67
24	611	71.58	177.4		88.66
25	697	77.94	169.5		91.31

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : 516-1 soni 55sec

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	905	28.97	48.5		94.19
27	10,380	75.00	10.9	Upper Marker	113.00
28	11,955	0.00	0.0		114.47

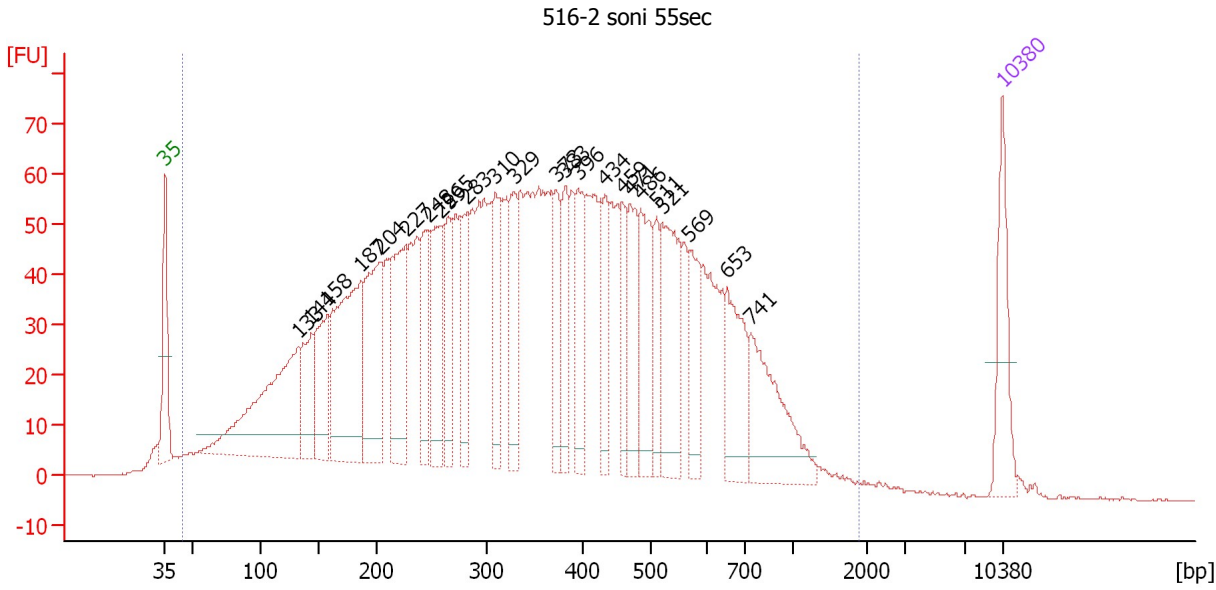
Region table for sample 3 : 516-1 soni 55sec

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
47	1,874	375	2,266.6	28,415.5	4,340.30	98	53.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 516-2 soni 55sec

Number of peaks found: 24 Corr. Area 1: 2,958.7
 Noise: 0.2

Peak table for sample 4 : 516-2 soni 55sec

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	133	362.84	4,143.2		54.19
3	144	106.51	1,123.6		55.24
4	158	132.85	1,277.0		56.58
5	187	312.86	2,531.7		59.40
6	204	214.20	1,591.5		60.98
7	227	196.68	1,311.7		63.13
8	248	105.71	646.1		65.04
9	259	118.71	695.2		66.05
10	265	93.63	534.4		66.67
11	283	92.13	494.1		68.25
12	310	92.68	453.5		70.64
13	329	108.60	500.4		72.17
14	373	75.96	308.5		75.70
15	383	80.65	319.4		76.47
16	396	101.15	387.2		77.52
17	434	79.71	278.6		79.77
18	459	66.42	219.4		81.20
19	471	95.16	306.4		81.87
20	486	119.83	373.8		82.73
21	511	59.62	176.8		84.07
22	521	156.91	456.3		84.55
23	569	80.67	214.7		86.85
24	653	112.75	261.6		89.95
25	741	153.08	313.1		91.96

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : 516-2 soni 55sec

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00

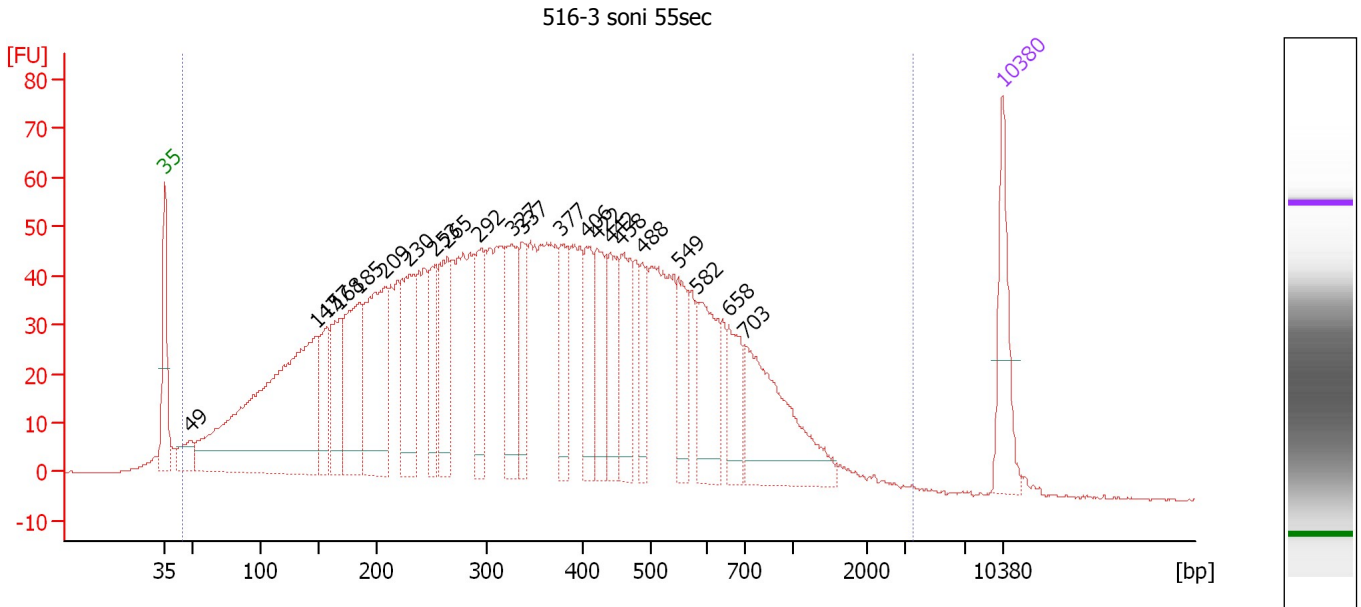
Region table for sample 4 : 516-2 soni 55sec

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
44	1,898	383	2,958.7	34,012.0	5,293.22	99	54.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

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 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 516-3 soni 55sec

Number of peaks found: 22 Corr. Area 1: 2,632.9
 Noise: 0.2

Peak table for sample 5 : 516-3 soni 55sec

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	49	39.15	1,214.7		45.17
3	147	652.35	6,703.0		55.61
4	157	89.93	870.3		56.48
5	168	113.69	1,027.0		57.54
6	185	188.37	1,538.8		59.23
7	209	247.14	1,795.6		61.41
8	230	163.00	1,071.5		63.43
9	253	92.56	553.3		65.56
10	265	121.32	693.7		66.62
11	292	108.19	561.2		69.14
12	327	134.41	623.7		71.99
13	337	74.14	332.9		72.86
14	377	76.99	309.2		76.04
15	406	81.14	302.6		78.22
16	422	96.37	345.7		79.14
17	442	80.73	276.8		80.25
18	458	104.42	345.4		81.16
19	488	55.23	171.5		82.86
20	549	63.12	174.1		85.90
21	582	116.26	302.7		87.44
22	658	67.96	156.5		90.10
23	703	197.63	425.7		91.45
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...

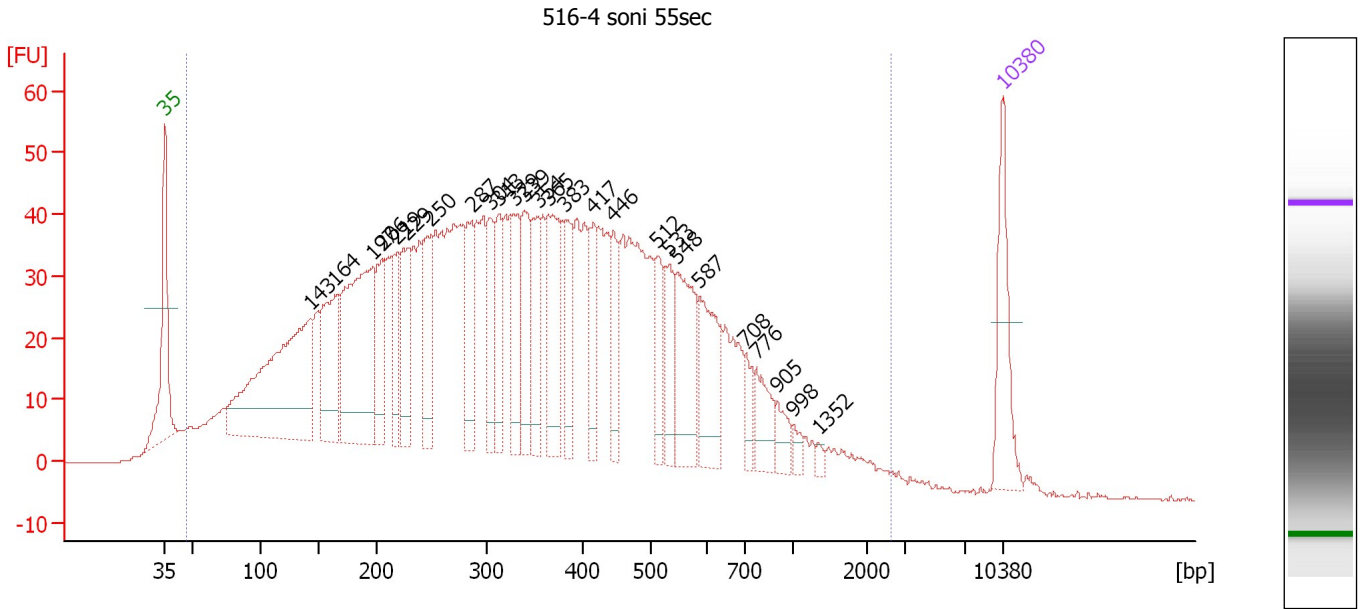
... Region table for sample 5 : 516-3 soni 55sec

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
45	3,578	399	2,632.9	30,995.4	4,549.83	99	69.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 516-4 soni 55sec

Number of peaks found: 26 Corr. Area 1: 2,240.4
 Noise: 0.2

Peak table for sample 6 : 516-4 soni 55sec

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	423.52	4,496.4		55.15
3	164	156.56	1,445.7		57.19
4	197	299.92	2,309.7		60.31
5	206	89.16	657.1		61.13
6	219	73.71	509.4		62.40
7	229	108.18	716.6		63.27
8	250	97.52	590.4		65.26
9	287	90.63	478.3		68.67
10	304	77.92	388.5		70.17
11	313	71.81	347.6		70.90
12	329	97.12	447.5		72.17
13	339	100.56	449.3		72.99
14	354	75.86	324.9		74.16
15	365	119.56	496.7		75.03
16	383	70.72	279.8		76.49
17	417	57.43	208.7		78.83
18	446	58.07	197.3		80.48
19	512	53.69	158.9		84.12
20	533	50.04	142.4		85.10
21	548	117.98	326.3		85.83
22	587	95.18	245.8		87.67
23	708	26.93	57.6		91.51
24	776	43.87	85.7		92.44
25	905	21.72	36.4		94.19

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : 516-4 soni 55sec

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	998	10.77	16.4		95.45
27	1,352	5.51	6.2		97.64
28	10,380	75.00	10.9	Upper Marker	113.00

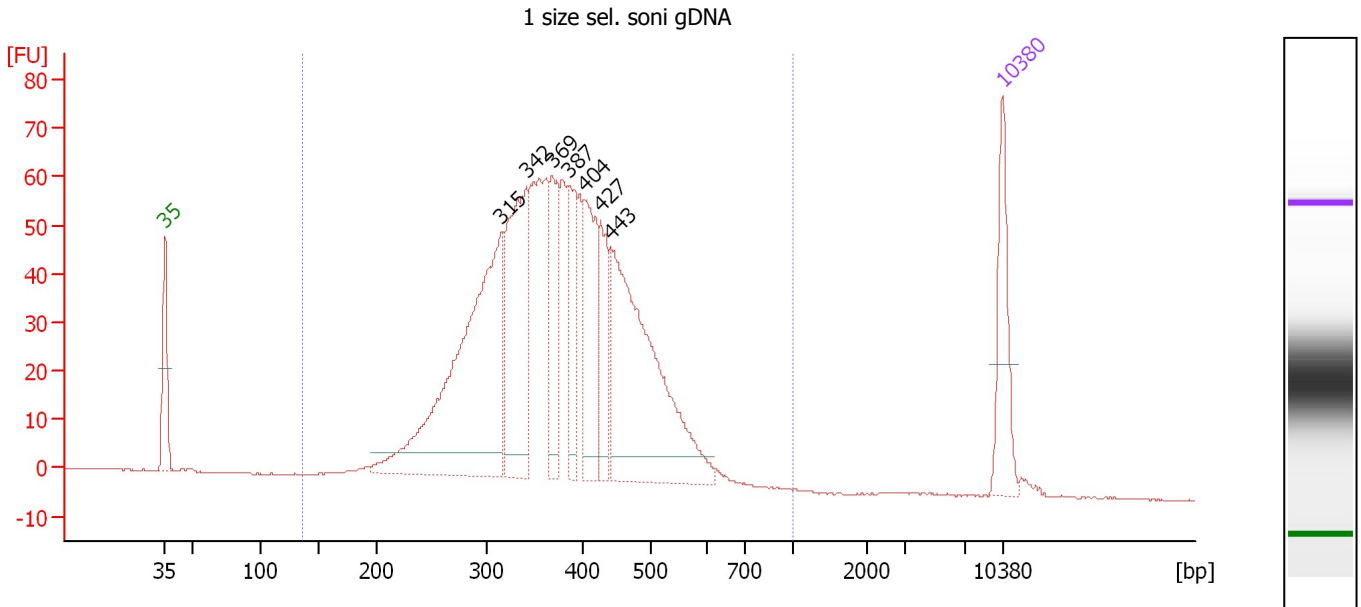
Region table for sample 6 : 516-4 soni 55sec

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
47	2,648	390	2,240.4	32,995.8	4,789.01	99	71.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 1 size sel. soni gDNA

Number of peaks found: 7 Corr. Area 1: 1,284.1
 Noise: 0.1

Peak table for sample 7 : 1 size sel. soni gDNA

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	315	505.84	2,429.7		71.10
3	342	257.55	1,141.5		73.21
4	369	101.96	418.8		75.37
5	387	94.90	371.9		76.80
6	404	138.87	521.1		78.07
7	427	86.45	306.7		79.40
8	443	387.13	1,325.2		80.28
9	10,380	75.00	10.9	Upper Marker	113.00

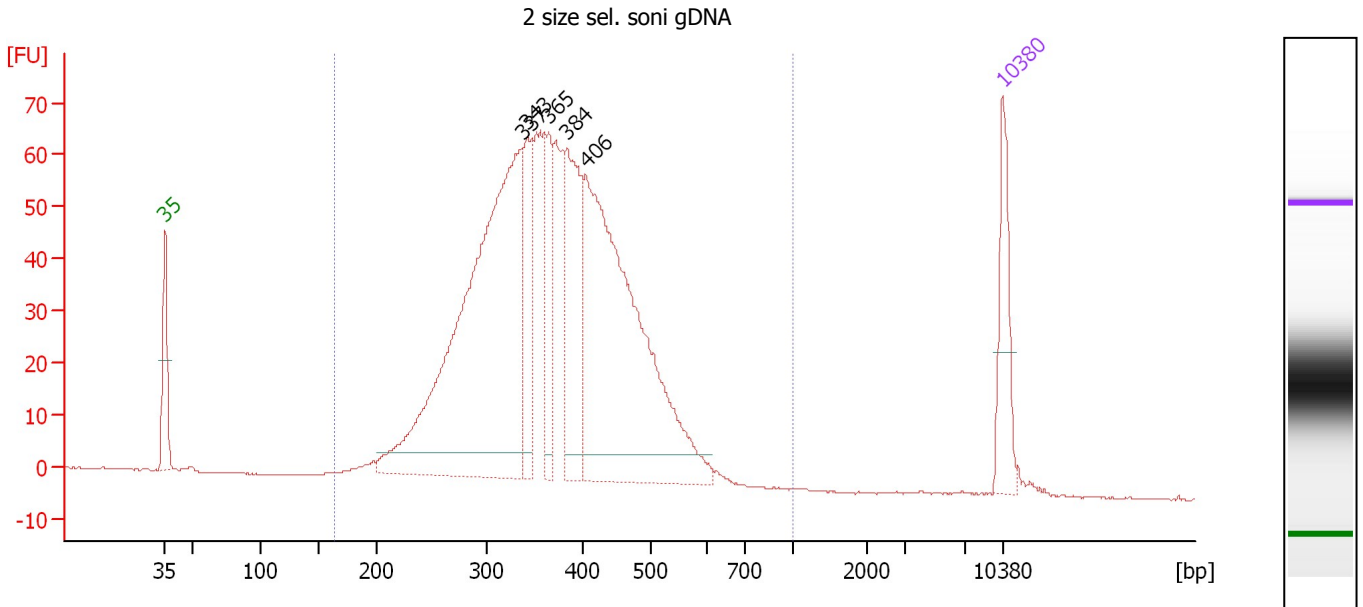
Region table for sample 7 : 1 size sel. soni gDNA

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
136	1,000	379	1,284.1	8,852.8	2,063.34	99	21.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 2 size sel. soni gDNA

Number of peaks found: 5 Corr. Area 1: 1,329.3
 Noise: 0.1

Peak table for sample 8 : 2 size sel. soni gDNA

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	337	853.53	3,835.4		72.84
3	343	116.96	517.0		73.28
4	365	97.67	405.3		75.07
5	384	200.65	791.0		76.61
6	406	653.75	2,440.1		78.20
7	10,380	75.00	10.9	Upper Marker	113.00

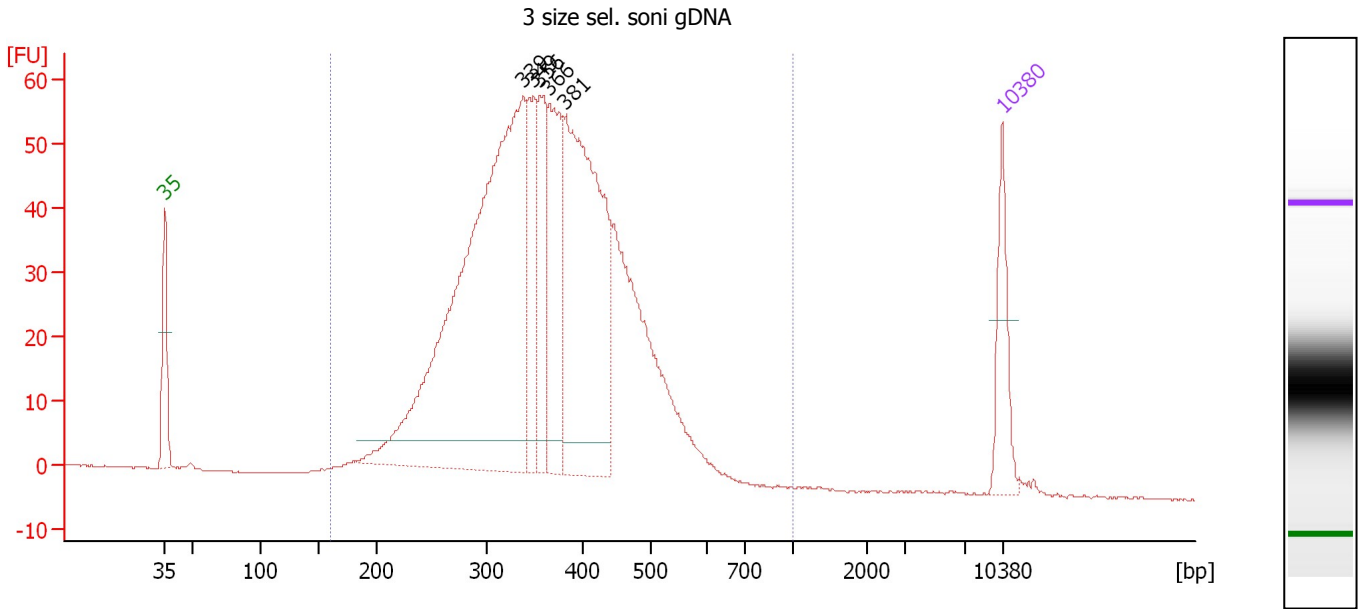
Region table for sample 8 : 2 size sel. soni gDNA

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
163	1,000	372	1,329.3	10,180.8	2,338.61	99	21.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 3 size sel. soni gDNA

Number of peaks found: 5 Corr. Area 1: 1,217.2
 Noise: 0.1

Peak table for sample 9 : 3 size sel. soni gDNA

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	339	1,125.35	5,034.3		72.96
3	349	147.10	638.1		73.81
4	356	154.20	657.1		74.31
5	366	223.54	925.0		75.15
6	381	576.04	2,290.0		76.35
7	10,380	75.00	10.9	Upper Marker	113.00

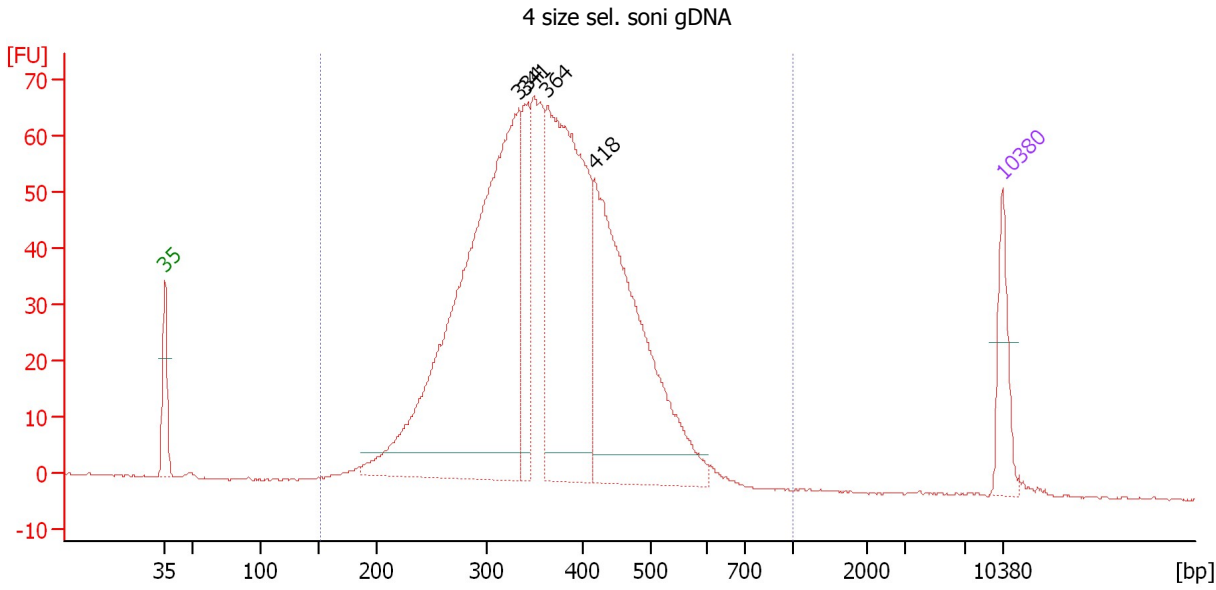
Region table for sample 9 : 3 size sel. soni gDNA

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
160	1,000	367	1,217.2	12,771.2	2,879.11	100	22.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 4 size sel. soni gDNA

Number of peaks found: 4 Corr. Area 1: 1,361.8
 Noise: 0.1

Peak table for sample 10 : 4 size sel. soni gDNA

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	334	1,258.81	5,708.7		72.59
3	341	155.86	692.5		73.14
4	364	754.74	3,144.5		74.96
5	418	702.64	2,547.3		78.88
6	10,380	75.00	10.9	Upper Marker	113.00

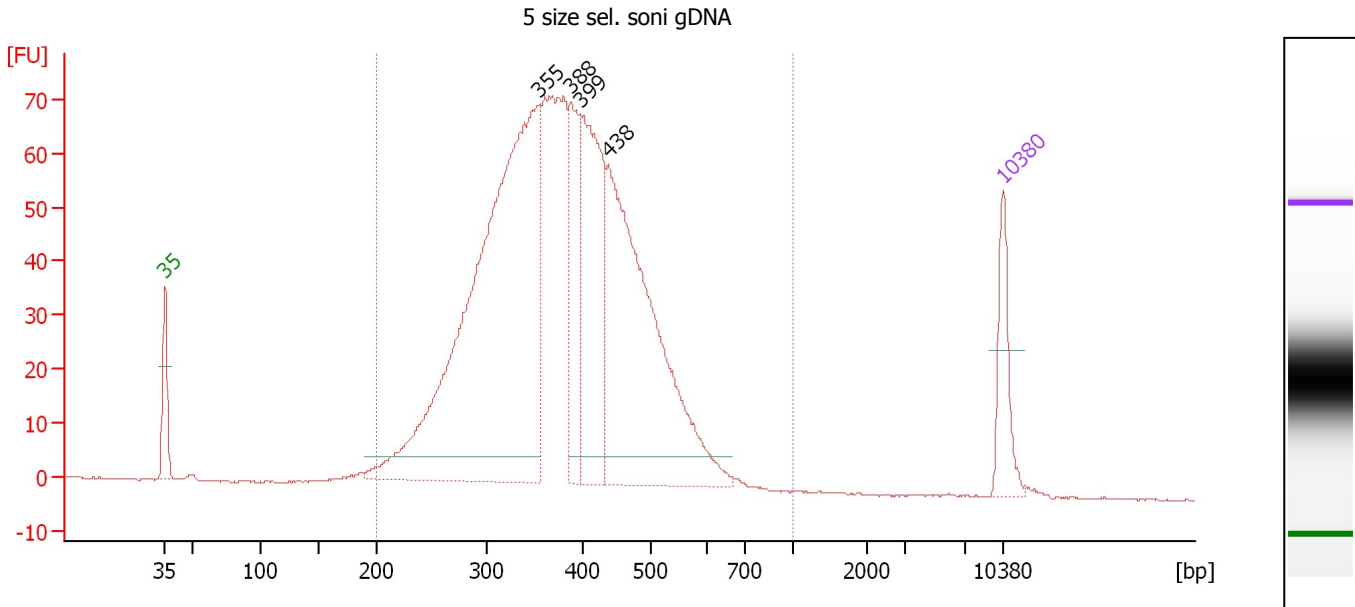
Region table for sample 10 : 4 size sel. soni gDNA

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
151	1,000	367	1,361.8	14,783.1	3,335.72	100	22.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 5 size sel. soni gDNA

Number of peaks found: 4 Corr. Area 1: 1,429.9
 Noise: 0.1

Peak table for sample 11 : 5 size sel. soni gDNA

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	355	1,300.16	5,552.2		74.25
3	388	201.74	787.0		76.93
4	399	356.71	1,353.9		77.80
5	438	702.30	2,428.8		80.03
6	10,380	75.00	10.9	Upper Marker	113.00

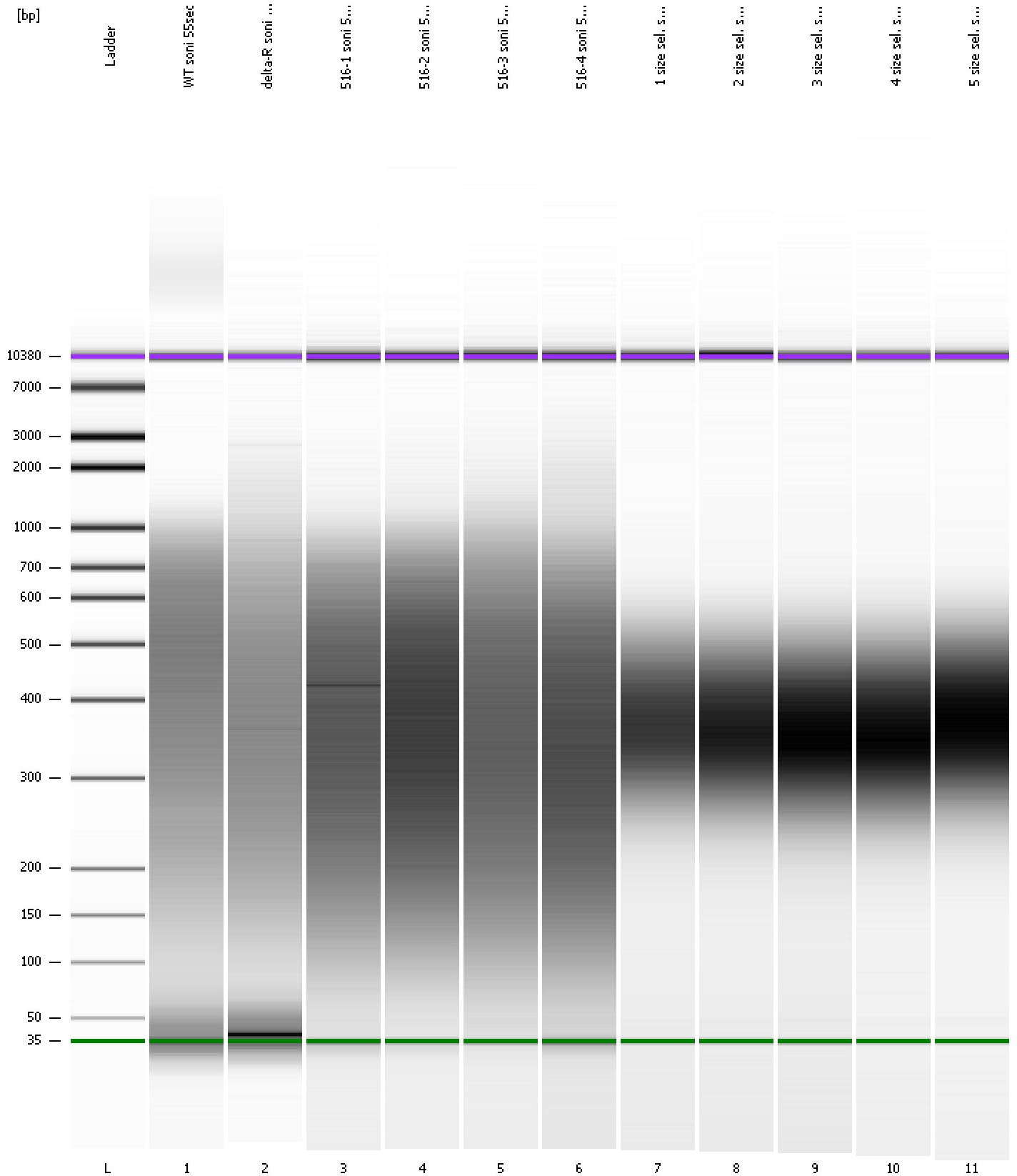
Region table for sample 11 : 5 size sel. soni gDNA

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	384	1,429.9	13,357.7	3,169.13	99	21.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
Modified: 5/18/2016 4:25:05 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-18\2016-05-18_001.xad

Created: 5/18/2016 3:39:52 PM
 Modified: 5/18/2016 4:25:05 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		5/18/2016 4:21:11 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\2016-05-18\2016-05-18_001.xad)		Instrument	Run		5/18/2016 3:39:58 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/18/2016 3:39:58 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/18/2016 3:39:58 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/18/2016 3:39:58 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/18/2016 3:39:58 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/18/2016 3:39:58 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/18/2016 3:39:58 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1