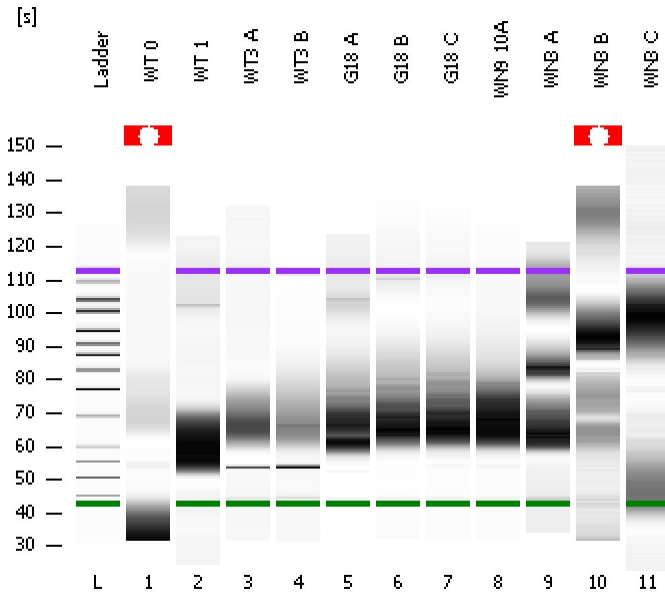


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
Modified: 7/25/2016 11:50:37 AM

Electrophoresis File Run Summary



Instrument Information:

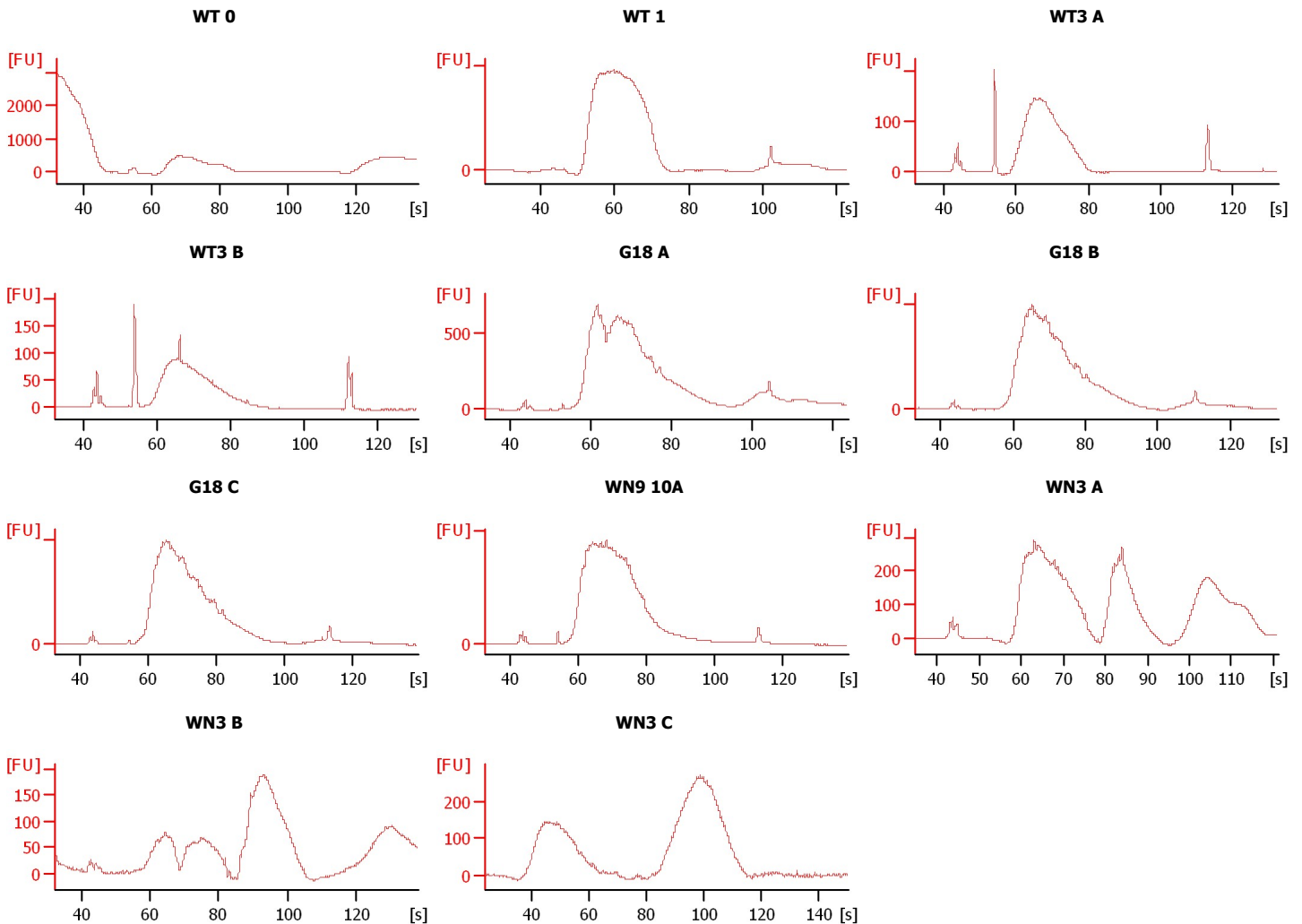
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
 Modified: 7/25/2016 11:50:37 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
WT 0		<input type="checkbox"/>	✓			
WT 1		<input type="checkbox"/>	✓			
WT3 A		<input type="checkbox"/>	✓			
WT3 B		<input type="checkbox"/>	✓			
G18 A		<input type="checkbox"/>	✓			
G18 B		<input type="checkbox"/>	✓			
G18 C		<input type="checkbox"/>	✓			
WN9 10A		<input type="checkbox"/>	✓			
WN3 A		<input type="checkbox"/>	✓			
WN3 B		<input type="checkbox"/>	✓			
WN3 C		<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\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
Modified: 7/25/2016 11:50:37 AM

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

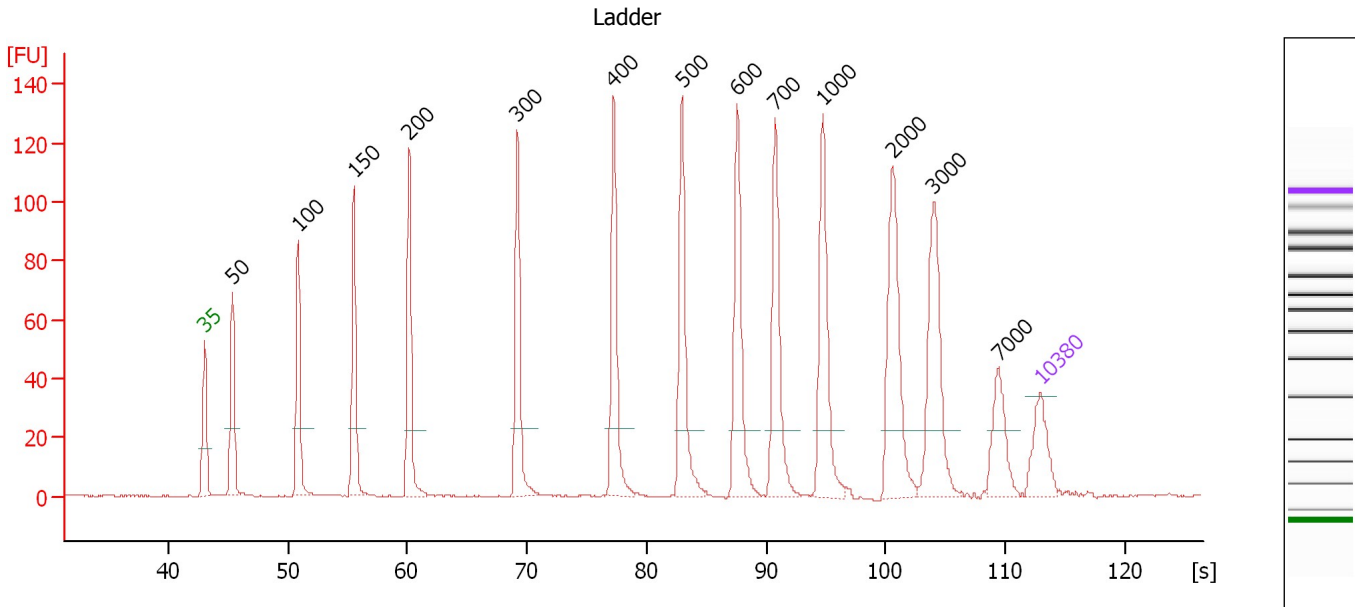
Ladder

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\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
 Modified: 7/25/2016 11:50:37 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

Peak table for Ladder

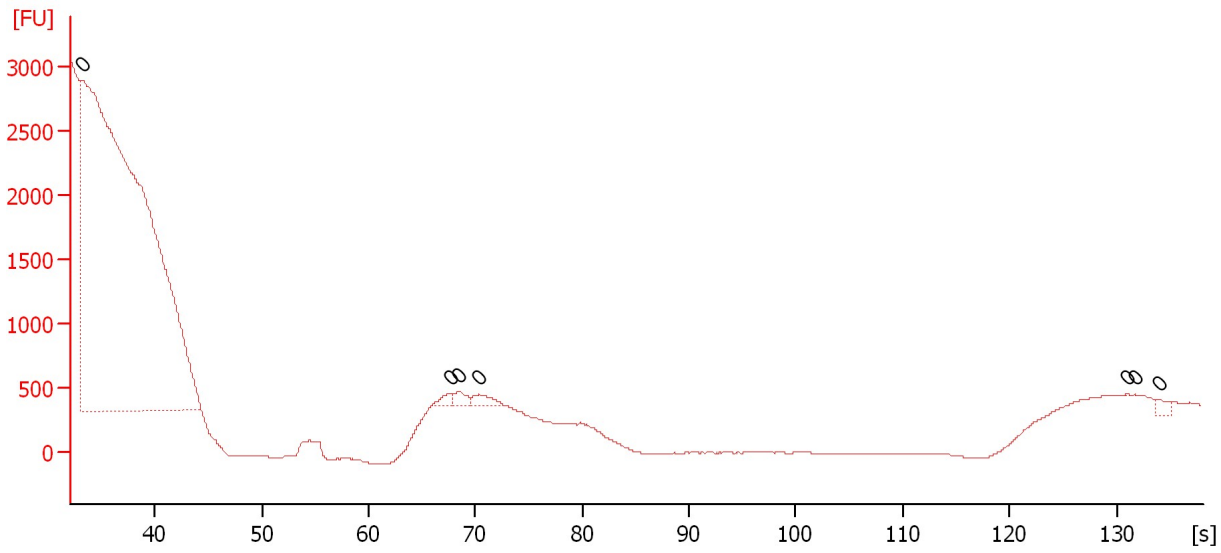
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.34
3	100	150.00	2,272.7	Ladder Peak	50.82
4	150	150.00	1,515.2	Ladder Peak	55.50
5	200	150.00	1,136.4	Ladder Peak	60.13
6	300	150.00	757.6	Ladder Peak	69.21
7	400	150.00	568.2	Ladder Peak	77.26
8	500	150.00	454.5	Ladder Peak	82.97
9	600	150.00	378.8	Ladder Peak	87.60
10	700	150.00	324.7	Ladder Peak	90.79
11	1,000	150.00	227.3	Ladder Peak	94.75
12	2,000	150.00	113.6	Ladder Peak	100.59
13	3,000	150.00	75.8	Ladder Peak	104.05
14	7,000	150.00	32.5	Ladder Peak	109.49
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
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Electropherogram Summary Continued ...

WT 0



Overall Results for sample 1 : WT 0

Number of peaks found: 0 Noise: 0.8

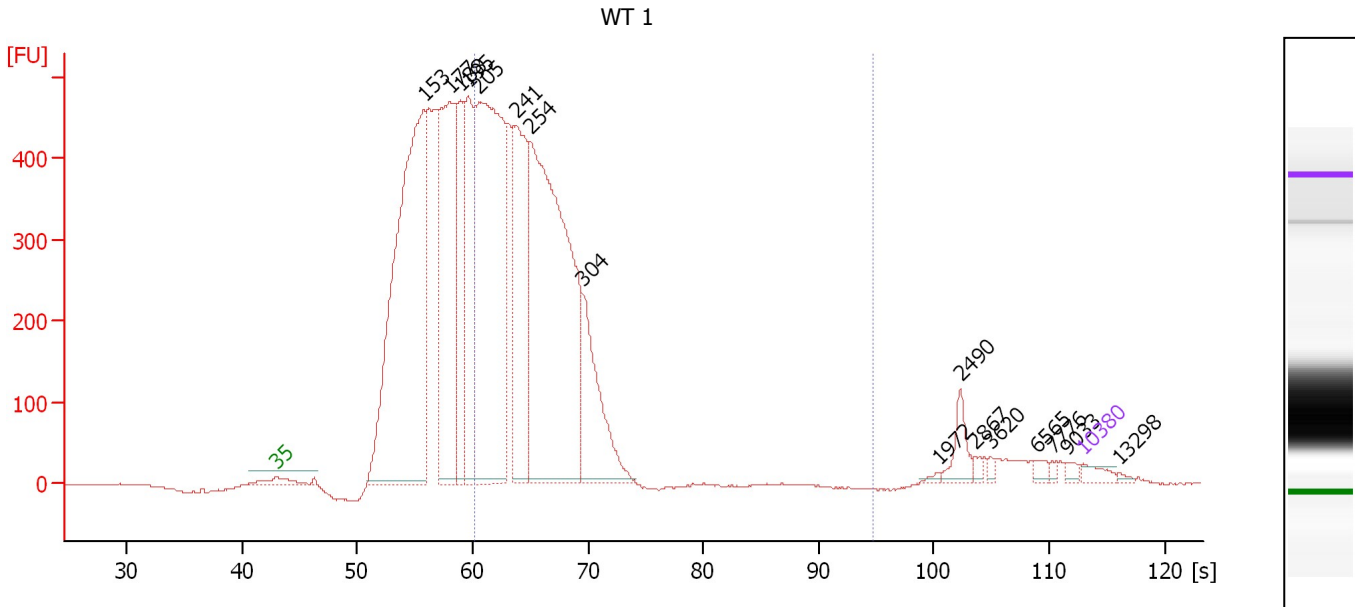
Peak table for sample 1 : WT 0

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		33.15
2	0	0.00	0.0		67.60
3	0	0.00	0.0		68.45
4	0	0.00	0.0		70.35
5	0	0.00	0.0		130.95
6	0	0.00	0.0		131.75
7	0	0.00	0.0		133.95

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
 Modified: 7/25/2016 11:50:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : WT 1

Number of peaks found: 16 Corr. Area 1: 5,879.0
 Noise: 0.4

Peak table for sample 2 : WT 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	153	7,092.83	70,314.8		55.76
3	177	3,359.18	28,677.7		58.04
4	188	1,391.53	11,242.5		58.97
5	195	1,949.18	15,178.2		59.63
6	205	5,365.54	39,709.8		60.56
7	241	2,303.52	14,504.7		63.82
8	254	6,082.14	36,287.0		65.03
9	304	1,396.18	6,967.8		69.50
10	1,972	20.84	16.0		100.43
11	2,490	211.60	128.8		102.29
12	2,867	33.96	17.9		103.59
13	3,620	35.06	14.7		104.90
14	6,565	54.69	12.6		108.90
15	7,776	25.38	4.9		110.30
16	9,033	44.53	7.5		111.60
17	10,380	75.00	10.9	Upper Marker	113.00
18	13,298	0.00	0.0		116.03

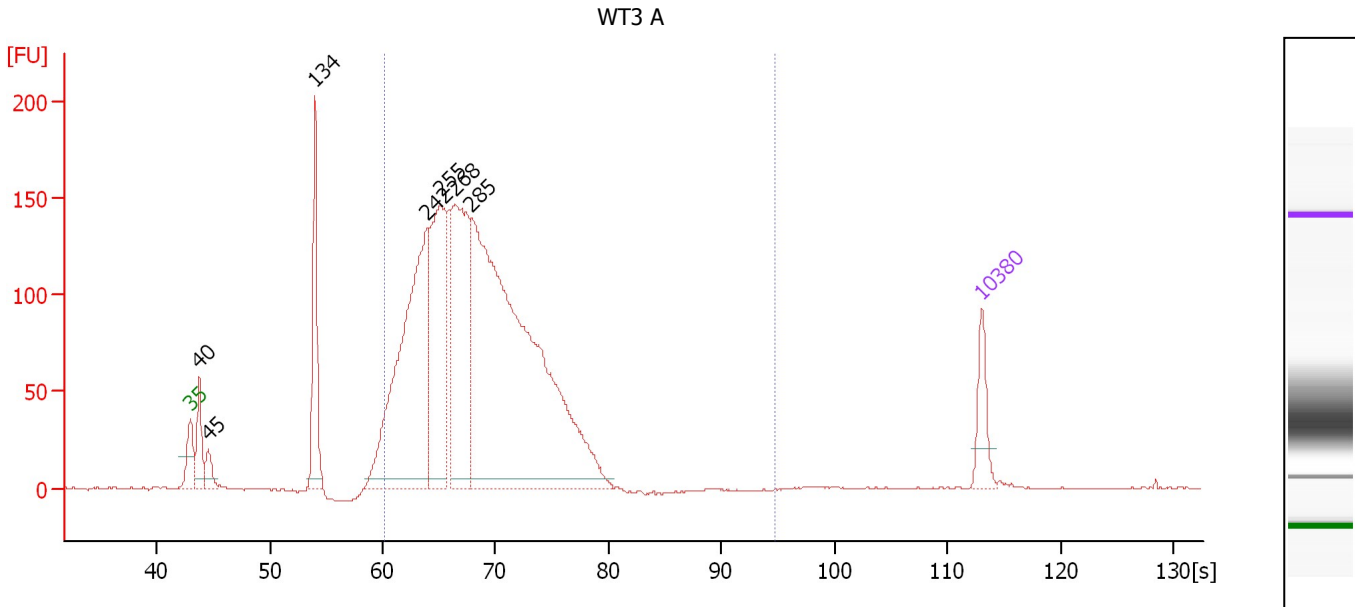
Region table for sample 2 : WT 1

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	253	5,879.0	95,789.8	15,868.32	51	13.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : WT3 A

Number of peaks found: 7 Corr. Area 1: 2,582.8
 Noise: 0.3

Peak table for sample 3 : WT3 A

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	40	145.45	5,526.2		43.76
3	45	64.99	2,185.2		44.57
4	134	341.82	3,857.9		54.03
5	242	1,053.47	6,591.6		63.96
6	255	599.16	3,564.1		65.10
7	268	640.19	3,615.1		66.33
8	285	2,135.28	11,370.2		67.81
9	10,380	75.00	10.9	Upper Marker	113.00

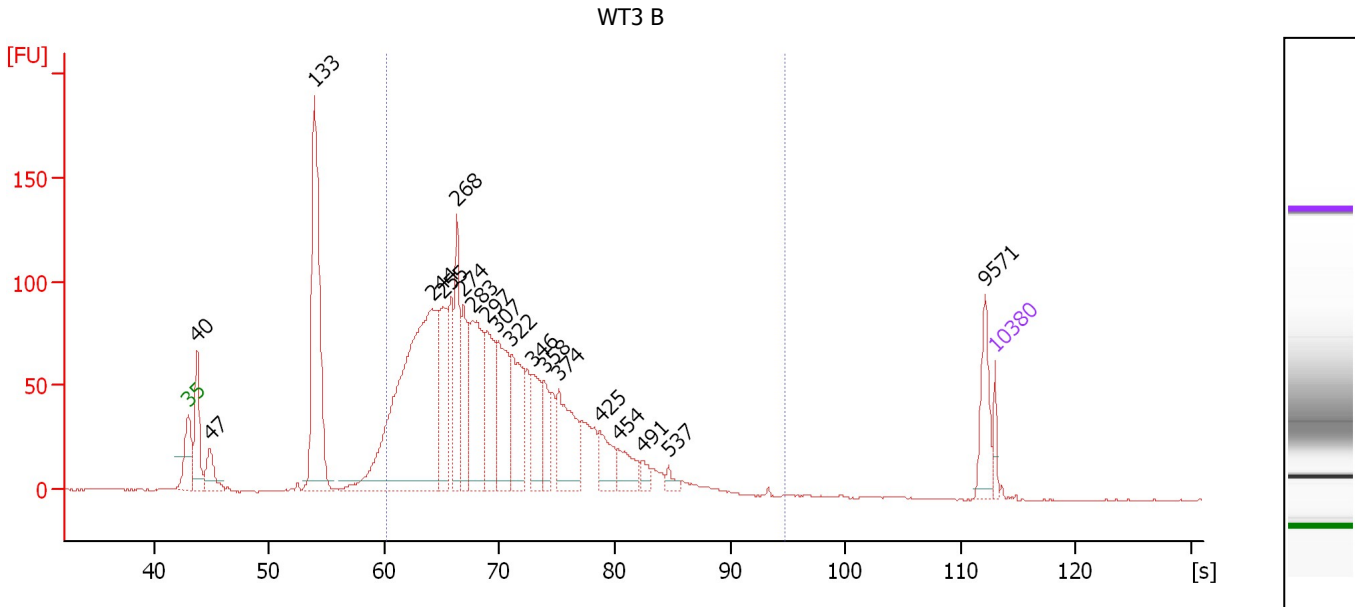
Region table for sample 3 : WT3 A

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	290	2,582.8	23,113.7	4,273.37	89	18.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

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 Modified: 7/25/2016 11:50:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : WT3 B

Number of peaks found: 19 Corr. Area 1: 1,990.4
 Noise: 0.2

Peak table for sample 4 : WT3 B

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	40	661.91	25,208.4		43.75
3	47	335.62	10,828.6		44.86
4	133	2,295.51	26,157.5		53.91
5	244	3,739.93	23,237.4		64.11
6	255	735.60	4,377.1		65.09
7	268	748.18	4,230.3		66.30
8	274	515.23	2,847.7		66.86
9	283	1,101.94	5,892.0		67.70
10	297	694.53	3,540.4		68.96
11	307	774.33	3,825.1		69.75
12	322	744.64	3,500.0		71.01
13	346	451.74	1,981.0		72.87
14	358	292.41	1,238.7		73.85
15	374	661.95	2,682.5		75.16
16	425	283.22	1,009.1		78.70
17	454	242.33	809.1		80.33
18	491	89.28	275.8		82.43
19	537	64.29	181.5		84.66
20	9,571	288.81	45.7		112.16
21	10,380	75.00	10.9	Upper Marker	113.00

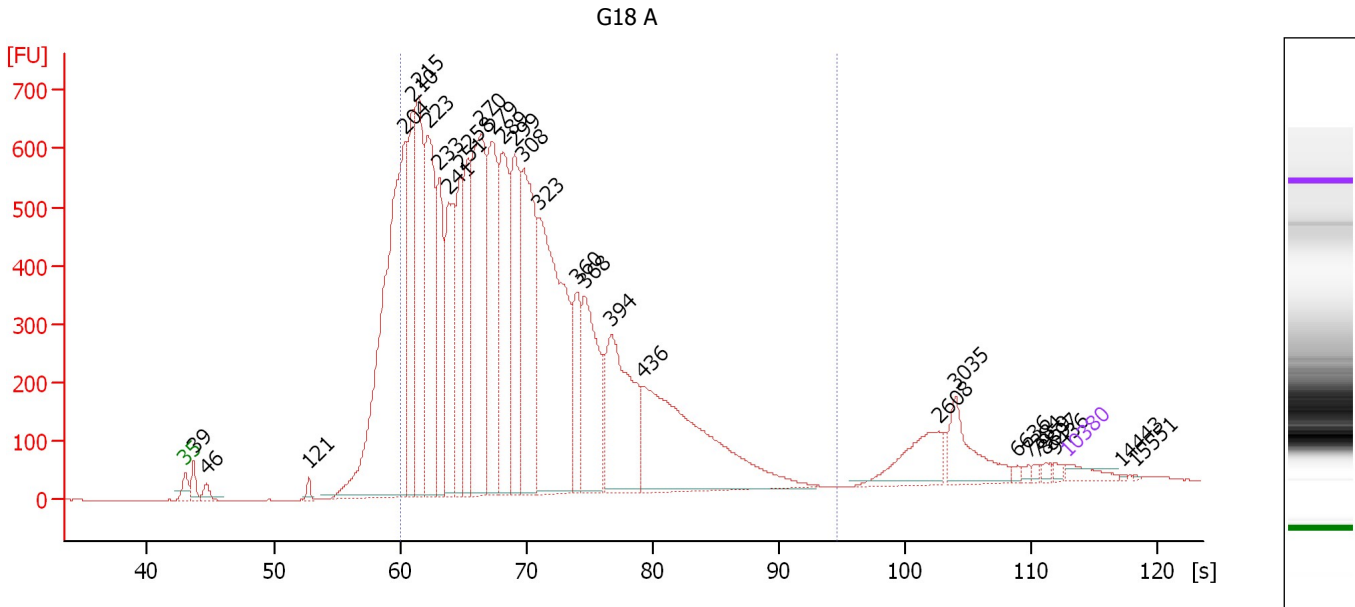
Region table for sample 4 : WT3 B

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	315	1,990.4	65,544.1	12,569.17	77	27.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : G18 A

Number of peaks found: 30 Corr. Area 1: 15,324.8
 Noise: 0.2

Peak table for sample 5 : G18 A

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	154.32	5,938.7		43.68
3	46	101.21	3,358.7		44.66
4	121	55.80	698.3		52.79
5	204	4,166.66	31,005.1		60.46
6	210	1,067.35	7,694.3		61.05
7	215	1,567.24	11,051.5		61.48
8	223	1,596.45	10,832.0		62.25
9	233	913.57	5,936.9		63.14
10	241	1,152.55	7,242.3		63.86
11	251	783.52	4,721.5		64.80
12	258	950.62	5,582.6		65.40
13	270	2,018.93	11,341.2		66.46
14	279	1,381.17	7,497.9		67.31
15	289	1,244.62	6,515.9		68.25
16	299	1,143.34	5,788.7		69.14
17	308	1,607.93	7,919.4		69.82
18	323	2,444.86	11,469.4		71.06
19	360	493.67	2,077.7		74.04
20	368	1,004.94	4,138.2		74.68
21	394	1,232.00	4,739.2		76.77
22	436	1,938.74	6,735.6		79.32
23	2,608	335.23	194.8		102.70
24	3,035	322.89	161.2		104.10
25	6,636	21.23	4.8		109.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
 Modified: 7/25/2016 11:50:37 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : G18 A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	7,384	21.19	4.3		109.89
27	7,959	17.89	3.4		110.49
28	8,697	25.88	4.5		111.25
29	9,436	24.85	4.0		112.02
30	10,380	75.00	10.9	Upper Marker	113.00
31	14,443	0.00	0.0		117.22
32	15,551	0.00	0.0		118.36

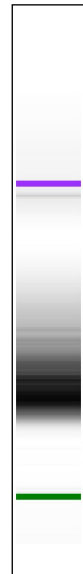
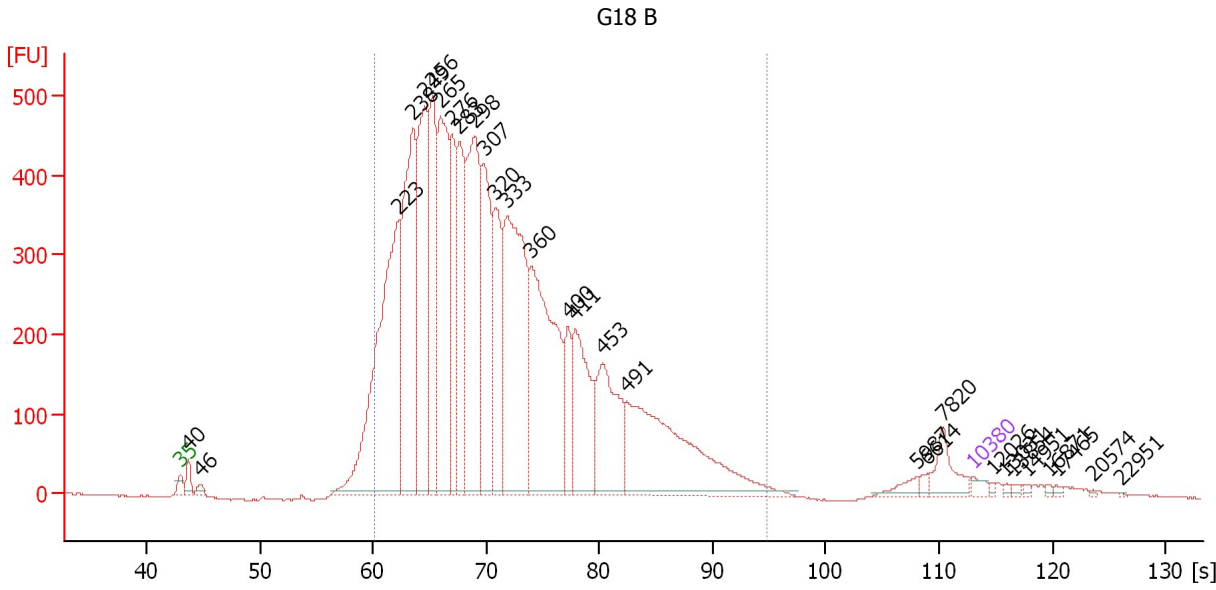
Region table for sample 5 : G18 A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	313	15,324.8	122,068.7	22,980.76	84	29.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
 Modified: 7/25/2016 11:50:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : G18 B

Number of peaks found: 29 Corr. Area 1: 11,281.8
 Noise: 0.8

Peak table for sample 6 : G18 B

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	40	224.80	8,608.8		43.71
3	46	91.11	3,003.9		44.71
4	223	5,327.26	36,129.7		62.25
5	238	3,891.38	24,824.7		63.54
6	249	3,087.72	18,789.0		64.58
7	256	2,381.93	14,080.8		65.24
8	265	3,028.76	17,339.3		66.00
9	276	1,602.62	8,809.8		67.00
10	283	1,887.00	10,105.0		67.66
11	298	3,288.07	16,713.2		69.04
12	307	2,116.92	10,438.7		69.80
13	320	1,656.73	7,838.7		70.84
14	333	3,879.17	17,639.8		71.88
15	360	3,516.43	14,811.5		74.02
16	400	672.22	2,547.6		77.24
17	411	1,483.47	5,475.5		77.86
18	453	1,529.49	5,117.2		80.28
19	491	3,225.53	9,952.1		82.46
20	5,987	123.82	31.3		108.12
21	6,614	55.17	12.6		108.97
22	7,820	336.79	65.3		110.34
23	10,380	75.00	10.9	Upper Marker	113.00
24	12,026	0.00	0.0		114.71
25	13,031	0.00	0.0		115.75

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
 Modified: 7/25/2016 11:50:37 AM

Electropherogram Summary Continued ...

... Peak table for sample 6 : G18 B

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,854	0.00	0.0		116.60
27	14,951	0.00	0.0		117.74
28	16,871	0.00	0.0		119.73
29	17,465	0.00	0.0		120.35
30	20,574	0.00	0.0		123.58
31	22,951	0.00	0.0		126.04

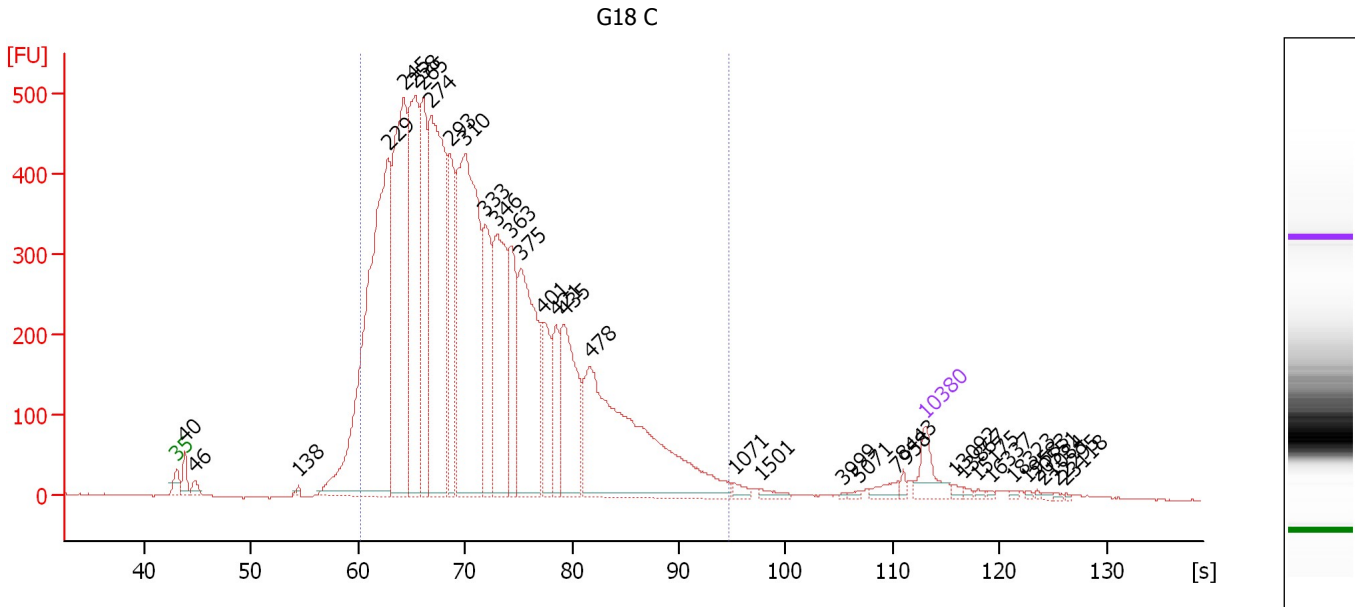
Region table for sample 6 : G18 B

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	336	11,281.8	207,091.9	40,921.32	94	33.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : G18 C

Number of peaks found: 34 Corr. Area 1: 11,532.5
 Noise: 0.9

Peak table for sample 7 : G18 C

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	40	72.19	2,745.7		43.75
3	46	31.95	1,053.2		44.71
4	138	10.00	109.6		54.41
5	229	1,832.33	12,131.6		62.75
6	245	1,120.23	6,915.3		64.26
7	258	815.21	4,794.5		65.36
8	265	534.28	3,050.6		66.07
9	274	1,181.31	6,540.3		66.82
10	293	405.28	2,095.6		68.58
11	310	1,283.77	6,269.5		70.04
12	333	393.29	1,787.6		71.89
13	346	561.10	2,453.8		72.95
14	363	315.77	1,316.8		74.31
15	375	631.94	2,556.3		75.21
16	401	215.60	814.4		77.32
17	421	164.72	592.3		78.48
18	435	385.98	1,345.8		79.23
19	478	1,067.39	3,385.6		81.69
20	1,071	18.49	26.2		95.16
21	1,501	15.94	16.1		97.67
22	3,999	3.30	1.3		105.41
23	5,071	6.52	1.9		106.87
24	7,958	27.00	5.1		110.49
25	8,443	10.83	1.9		110.99

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
 Modified: 7/25/2016 11:50:37 AM

Electropherogram Summary Continued ...

... Peak table for sample 7 : G18 C

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
27	13,092	0.00	0.0		115.81
28	13,867	0.00	0.0		116.62
29	15,175	0.00	0.0		117.97
30	16,337	0.00	0.0		119.18
31	18,323	0.00	0.0		121.24
32	19,583	0.00	0.0		122.55
33	20,551	0.00	0.0		123.55
34	21,084	0.00	0.0		124.11
35	22,295	0.00	0.0		125.36
36	23,118	0.00	0.0		126.22

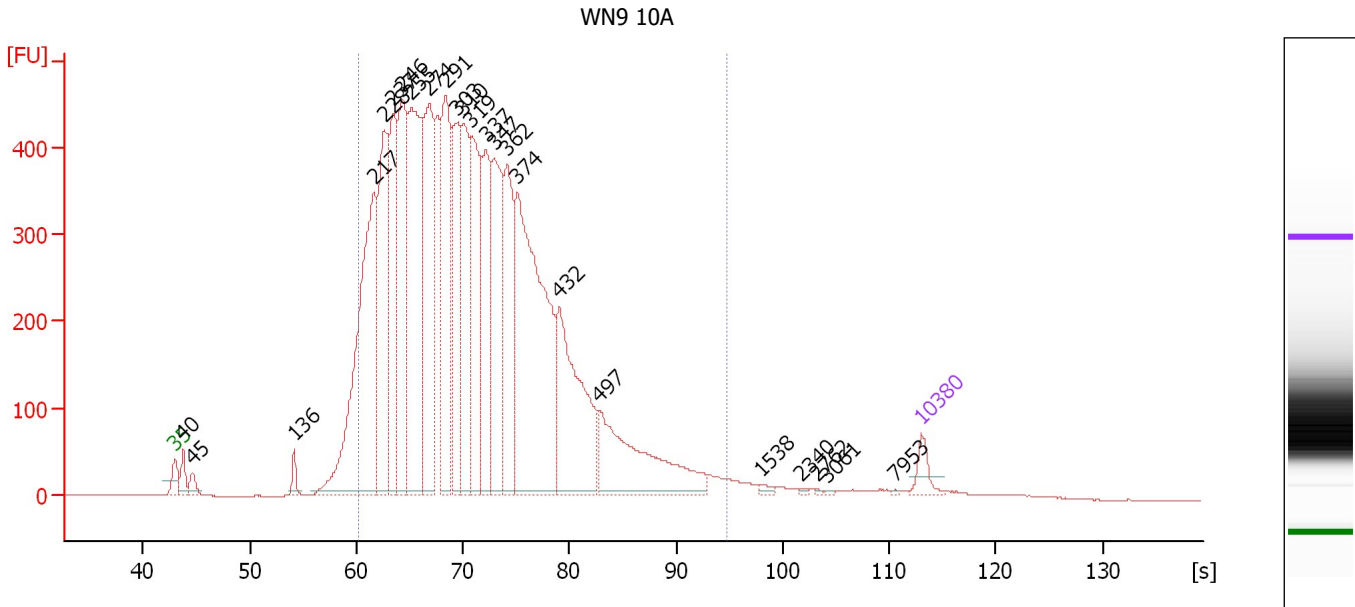
Region table for sample 7 : G18 C

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	340	11,532.5	53,327.8	10,601.72	94	34.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : WN9 10A

Number of peaks found: 24 Corr. Area 1: 11,631.2
 Noise: 0.5

Peak table for sample 8 : WN9 10A

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	40	125.17	4,759.5		43.76
3	45	84.16	2,812.3		44.61
4	136	79.35	884.7		54.18
5	217	2,177.26	15,233.0		61.63
6	228	1,243.27	8,274.7		62.64
7	237	902.45	5,767.5		63.50
8	246	1,157.08	7,128.0		64.30
9	255	1,645.23	9,761.1		65.16
10	274	1,239.15	6,860.3		66.82
11	291	1,085.46	5,654.2		68.38
12	303	862.20	4,304.9		69.49
13	310	788.66	3,850.4		70.04
14	319	966.20	4,587.6		70.75
15	337	729.21	3,276.1		72.21
16	347	977.59	4,273.0		72.96
17	362	754.48	3,160.9		74.17
18	374	2,072.24	8,405.2		75.13
19	432	1,037.50	3,642.9		79.06
20	497	849.68	2,591.5		82.78
21	1,538	17.73	17.5		97.89
22	2,340	6.68	4.3		101.77
23	2,762	4.16	2.3		103.23
24	3,061	5.50	2.7		104.14
25	7,953	3.30	0.6		110.48

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
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Electropherogram Summary Continued ...

... Peak table for sample 8 : WN9 10A

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

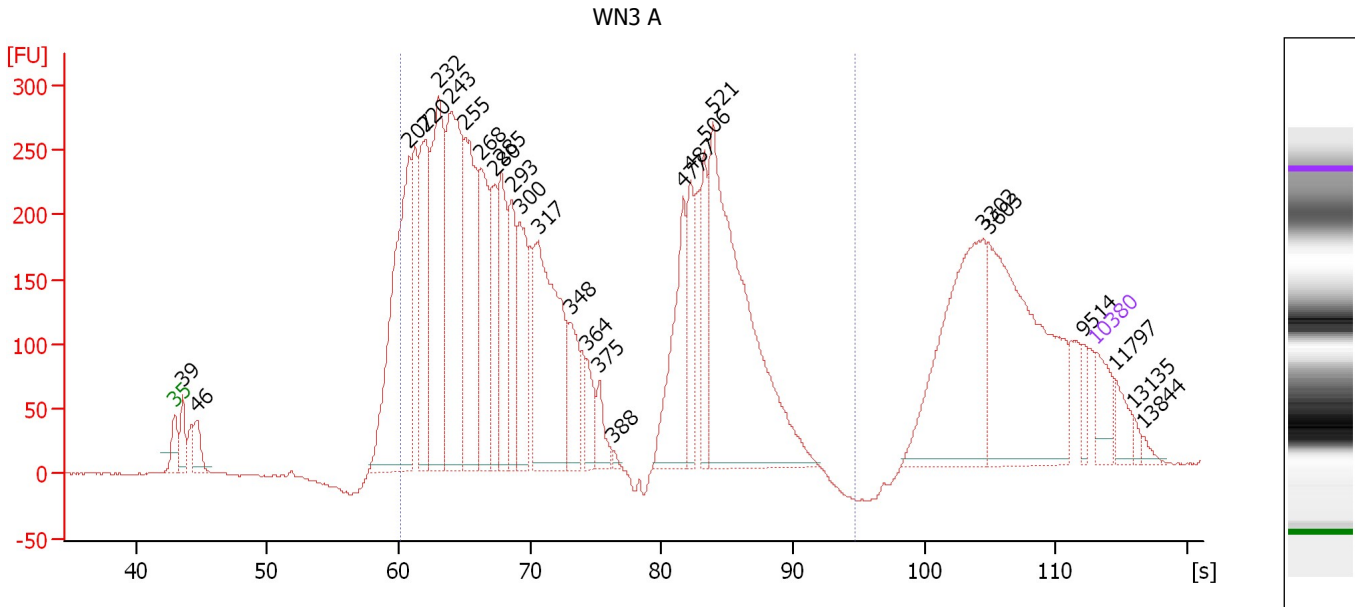
Region table for sample 8 : WN9 10A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	334	11,631.2	94,891.5	18,790.97	94	32.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : WN3 A

Number of peaks found: 27 Corr. Area 1: 7,112.2
 Noise: 0.4

Peak table for sample 9 : WN3 A

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	106.68	4,180.1		43.57
3	46	99.02	3,279.8		44.67
4	207	903.40	6,597.9		60.81
5	220	470.20	3,231.0		61.99
6	232	667.51	4,355.8		63.05
7	243	765.36	4,772.5		64.03
8	255	538.72	3,205.0		65.09
9	268	391.59	2,216.2		66.28
10	280	249.16	1,349.0		67.38
11	285	309.15	1,644.6		67.83
12	293	235.71	1,217.4		68.61
13	300	306.35	1,546.7		69.22
14	317	659.28	3,147.5		70.61
15	348	156.47	681.6		73.06
16	364	86.65	361.1		74.32
17	375	71.73	289.6		75.26
18	388	9.85	38.4		76.33
19	477	325.82	1,035.7		81.63
20	487	167.67	522.0		82.21
21	506	165.33	494.6		83.27
22	521	1,047.57	3,048.8		83.92
23	3,302	493.97	226.6		104.46
24	3,603	575.88	242.2		104.87
25	9,514	32.59	5.2		112.10

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
Modified: 7/25/2016 11:50:37 AM

Electropherogram Summary Continued ...**... Peak table for sample 9 : WN3 A**

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	11,797	0.00	0.0		114.47
28	13,135	0.00	0.0		115.86
29	13,844	0.00	0.0		116.59

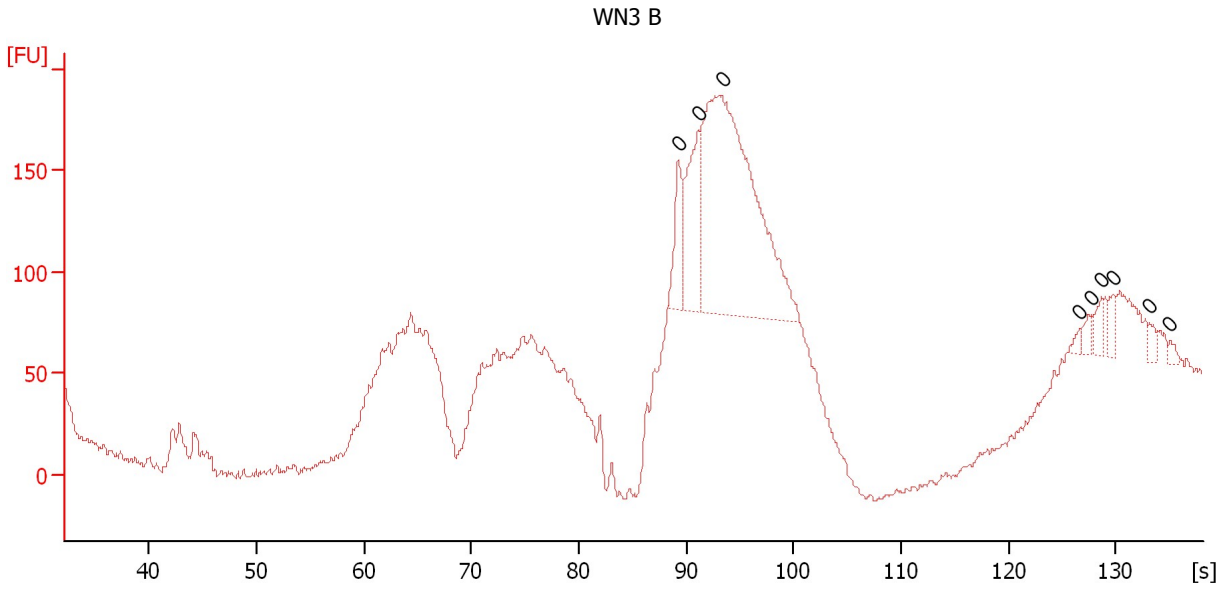
Region table for sample 9 : WN3 A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	357	7,112.2	38,097.6	7,512.48	75	37.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : WN3 B

Number of peaks found: 0 Noise: 1.9

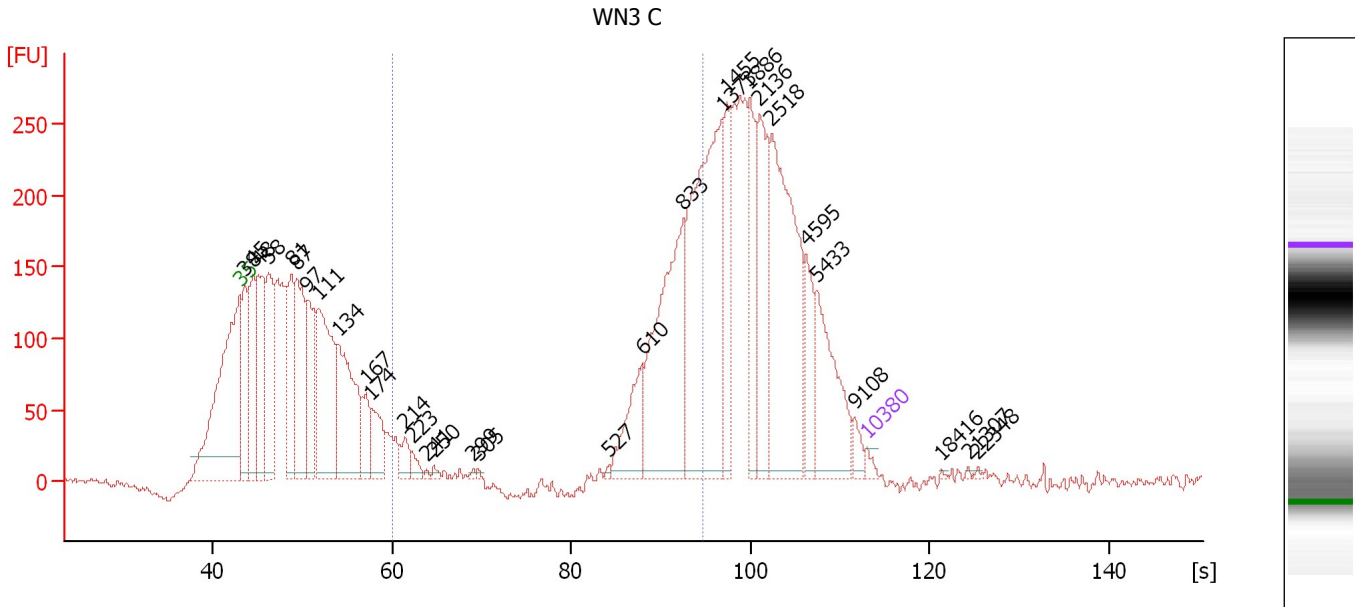
Peak table for sample 10 : WN3 B

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		89.30
2	0	0.00	0.0		91.10
3	0	0.00	0.0		93.35
4	0	0.00	0.0		126.60
5	0	0.00	0.0		127.70
6	0	0.00	0.0		128.60
7	0	0.00	0.0		129.75
8	0	0.00	0.0		133.10
9	0	0.00	0.0		135.05

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : WN3 C

Number of peaks found: 31 Corr. Area 1: 1,263.7
 Noise: 2.7

Peak table for sample 11 : WN3 C

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	38	1,759.67	69,316.2		43.54
3	45	1,886.57	64,059.7		44.50
4	48	2,396.64	74,917.6		45.10
5	58	2,198.63	57,765.2		46.18
6	81	2,078.60	38,794.5		48.76
7	87	2,462.86	43,065.7		49.36
8	97	1,790.76	27,960.9		50.50
9	111	3,430.49	46,979.7		51.82
10	134	2,873.51	32,556.8		53.98
11	167	684.79	6,203.6		57.10
12	174	803.80	7,010.3		57.70
13	214	319.92	2,263.4		61.41
14	223	184.27	1,249.8		62.25
15	241	39.91	251.3		63.81
16	250	70.77	429.2		64.65
17	299	35.94	182.3		69.09
18	305	35.07	174.1		69.63
19	527	33.99	97.8		84.21
20	610	954.76	2,370.3		87.93
21	833	3,370.93	6,130.7		92.55
22	1,373	4,239.77	4,680.1		96.92
23	1,455	908.02	945.8		97.40
24	1,886	1,036.22	832.6		99.92
25	2,136	1,393.75	988.5		101.06

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
 Modified: 7/25/2016 11:50:37 AM

Electropherogram Summary Continued ...

... Peak table for sample 11 : WN3 C

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,518	3,193.76	1,922.2		102.38
27	4,595	657.63	216.9		106.22
28	5,433	1,411.44	393.6		107.36
29	9,108	171.25	28.5		111.68
30	10,380	75.00	10.9	Upper Marker	113.00
31	18,416	0.00	0.0		121.34
32	21,307	0.00	0.0		124.34
33	22,348	0.00	0.0		125.42

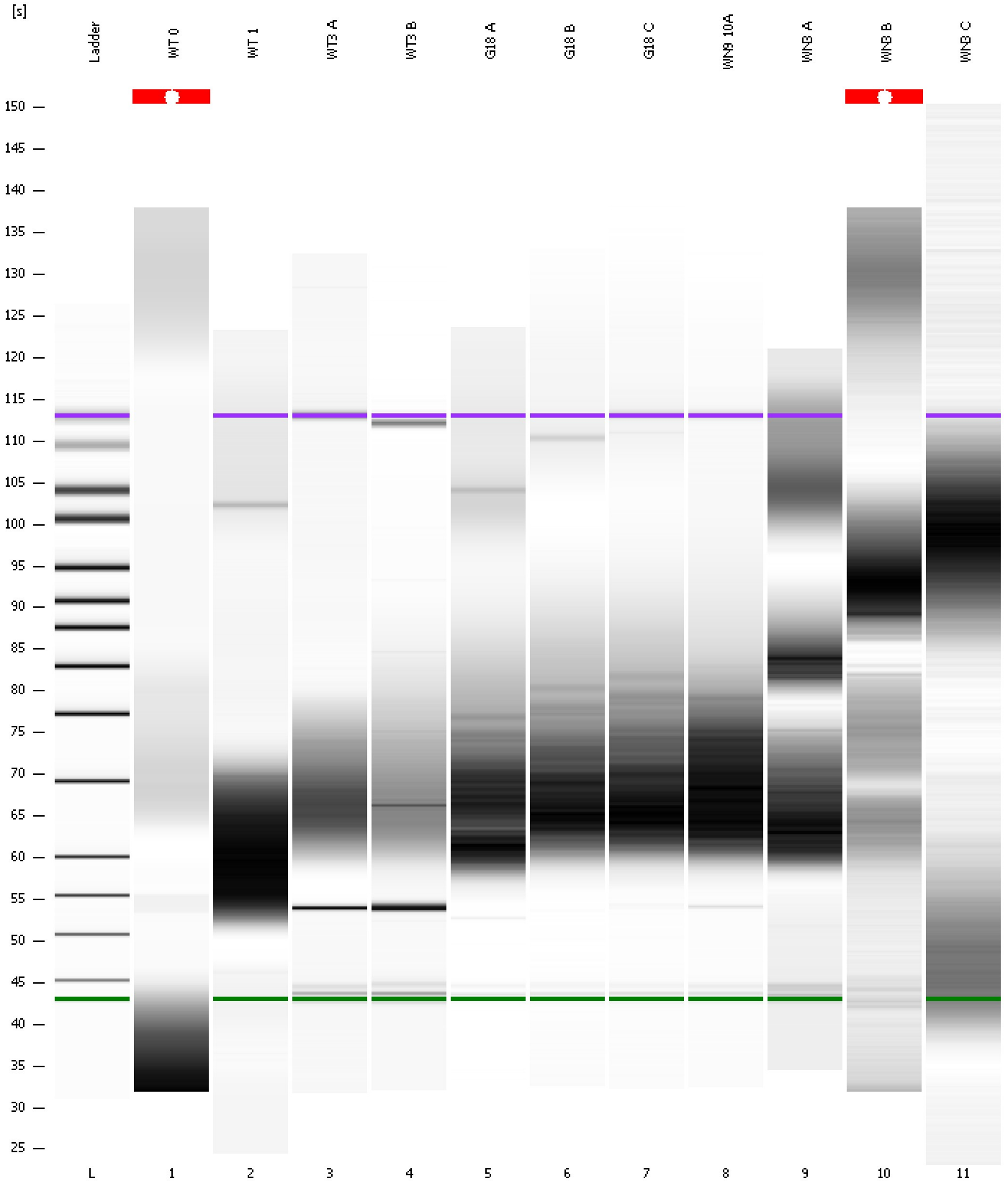
Region table for sample 11 : WN3 C

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	726	1,263.7	20,215.7	7,645.44	19	26.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
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Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad

Created: 7/25/2016 10:53:39 AM
 Modified: 7/25/2016 11:50:37 AM

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		7/25/2016 11:35:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_001.xad)		Instrument	Run		7/25/2016 10:53:45 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/25/2016 10:53:45 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/25/2016 10:53:45 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/25/2016 10:53:45 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/25/2016 10:53:45 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/25/2016 10:53:45 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/25/2016 10:53:45 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1