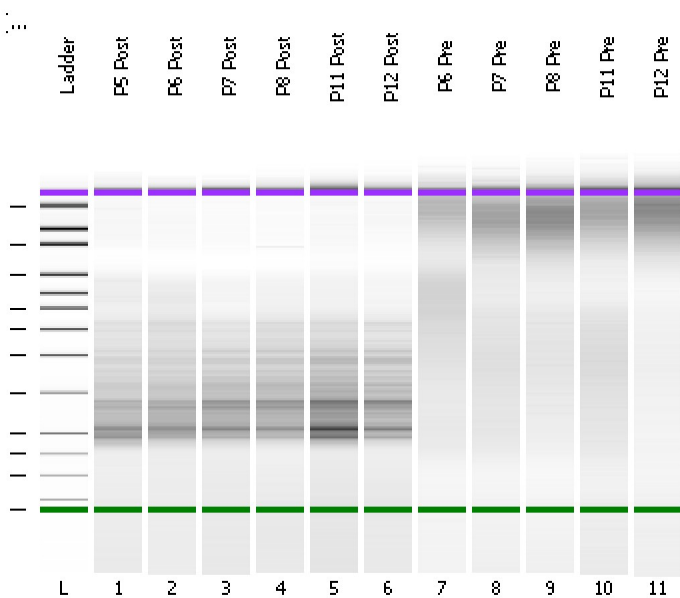


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
Modified: 4/13/2016 11:31:47 AM

Electrophoresis File Run Summary



Instrument Information:

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

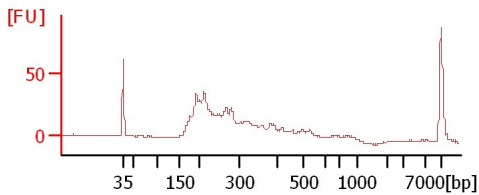
Assay Information:

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

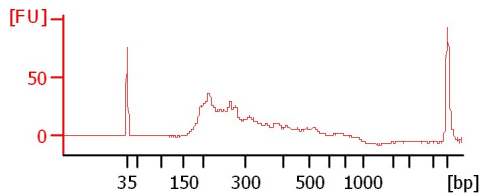
Chip Information:

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

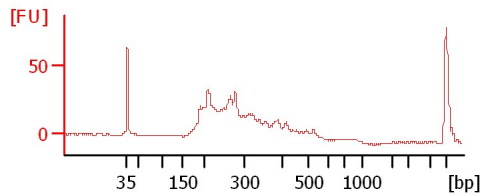
P5 Post



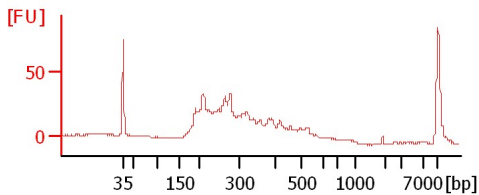
P6 Post



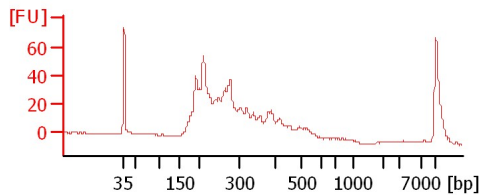
P7 Post



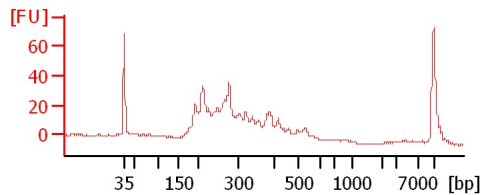
P8 Post



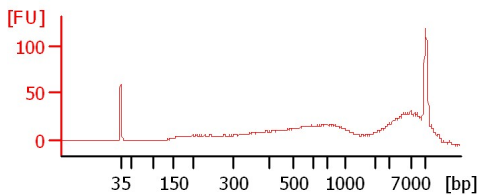
P11 Post



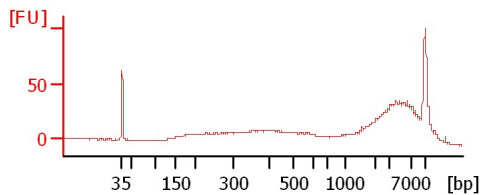
P12 Post



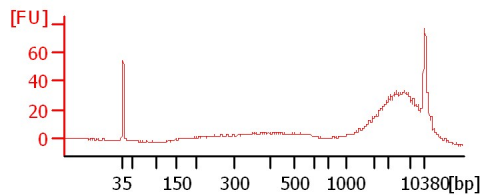
P6 Pre



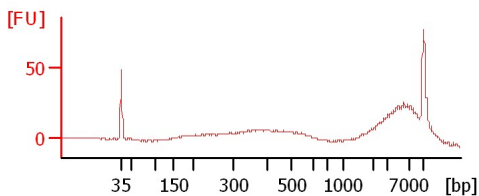
P7 Pre



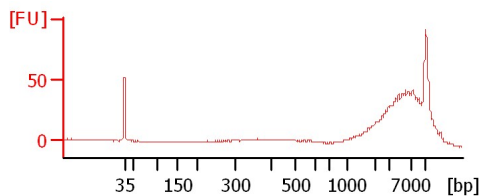
P8 Pre



P11 Pre



P12 Pre



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
P5 Post		<input type="checkbox"/>	✓			
P6 Post		<input type="checkbox"/>	✓			
P7 Post		<input type="checkbox"/>	✓			
P8 Post		<input type="checkbox"/>	✓			
P11 Post		<input type="checkbox"/>	✓			
P12 Post		<input type="checkbox"/>	✓			
P6 Pre		<input type="checkbox"/>	✓			
P7 Pre		<input type="checkbox"/>	✓			
P8 Pre		<input type="checkbox"/>	✓			
P11 Pre		<input type="checkbox"/>	✓			
P12 Pre		<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\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
Modified: 4/13/2016 11:31:47 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

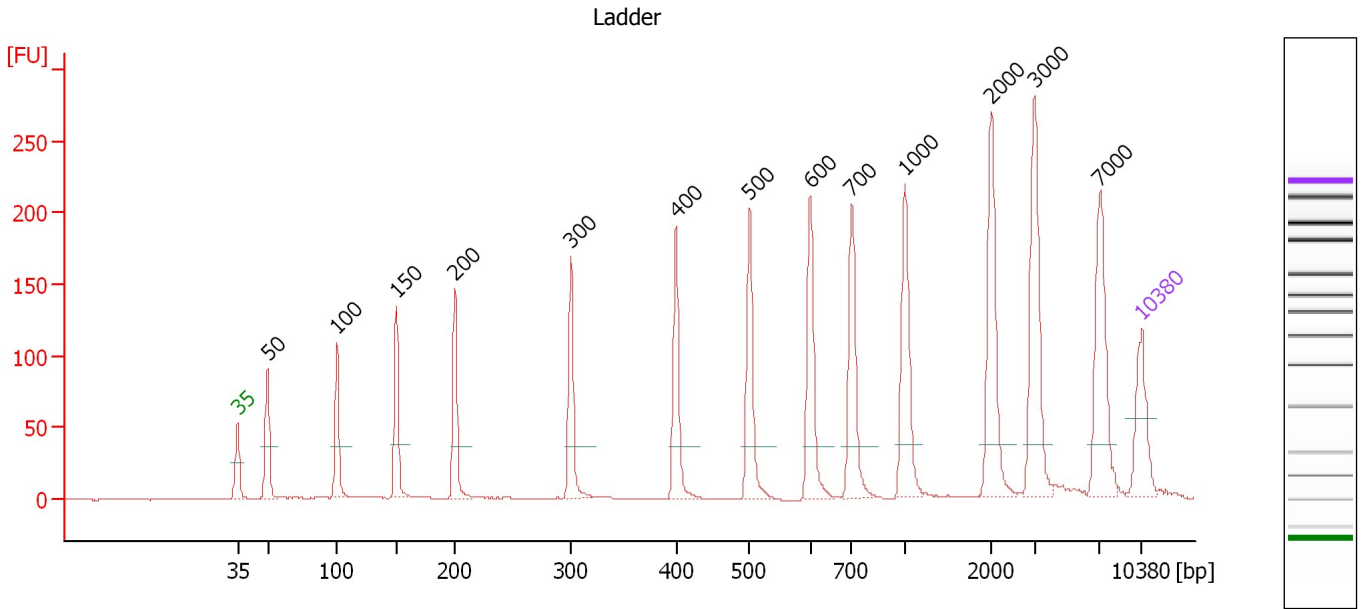
Ladder

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\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

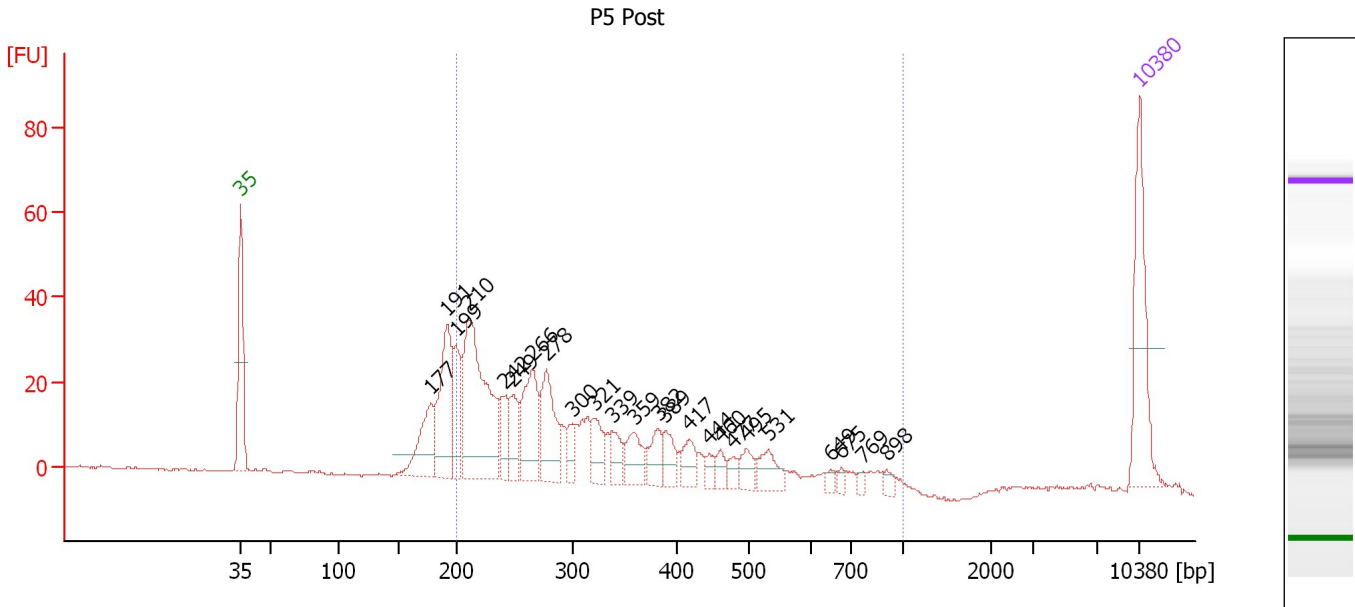
Peak table for Ladder

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	45.31
3	100	150.00	2,272.7	Ladder Peak	50.68
4	150	150.00	1,515.2	Ladder Peak	55.30
5	200	150.00	1,136.4	Ladder Peak	59.84
6	300	150.00	757.6	Ladder Peak	68.80
7	400	150.00	568.2	Ladder Peak	76.93
8	500	150.00	454.5	Ladder Peak	82.62
9	600	150.00	378.8	Ladder Peak	87.33
10	700	150.00	324.7	Ladder Peak	90.55
11	1,000	150.00	227.3	Ladder Peak	94.63
12	2,000	150.00	113.6	Ladder Peak	101.36
13	3,000	150.00	75.8	Ladder Peak	104.66
14	7,000	150.00	32.5	Ladder Peak	109.70
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : P5 Post

Number of peaks found: 24 Corr. Area 1: 543.2
 Noise: 0.3


Peak table for sample 1 : P5 Post

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	177	71.23	608.7		57.78
3	191	122.69	970.8		59.07
4	199	56.46	430.3		59.73
5	210	224.75	1,618.6		60.77
6	242	36.82	230.6		63.59
7	249	40.50	246.6		64.22
8	266	88.14	502.9		65.71
9	278	76.24	416.1		66.79
10	300	18.31	92.5		68.78
11	321	30.95	146.2		70.49
12	339	23.78	106.4		71.94
13	359	33.56	141.6		73.60
14	382	25.68	101.8		75.47
15	389	24.02	93.5		76.05
16	417	23.60	85.8		77.88
17	444	9.63	32.8		79.45
18	460	12.31	40.5		80.37
19	477	10.47	33.2		81.32
20	495	17.72	54.2		82.36
21	531	26.91	76.9		84.06
22	649	5.10	11.9		88.92
23	675	5.12	11.5		89.75
24	769	5.07	10.0		91.49
25	898	6.65	11.2		93.24


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...**... Peak table for sample 1 : P5 Post**

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

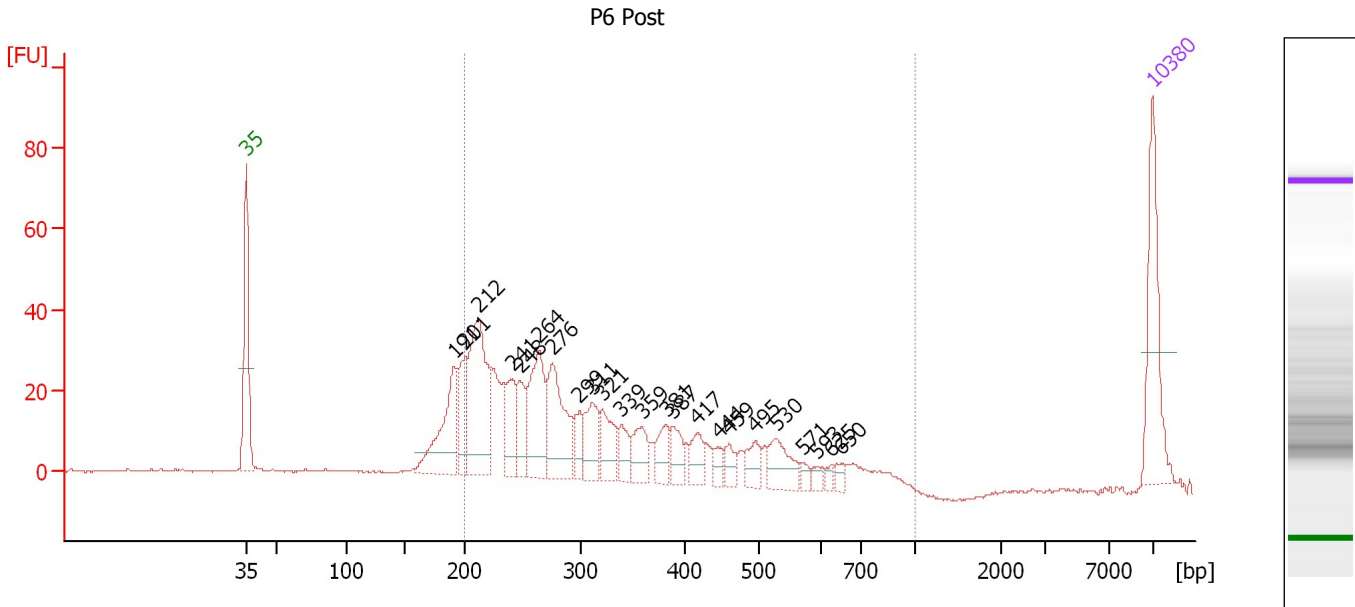
Region table for sample 1 : P5 Post

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	543.2	4,427.2	 834.97	80	41.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : P6 Post

Number of peaks found: 23 Corr. Area 1: 678.1
 Noise: 0.2

Peak table for sample 2 : P6 Post

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	191	107.54	851.3		59.06
3	201	56.99	429.7		59.92
4	212	161.13	1,149.3		60.95
5	241	61.15	384.5		63.51
6	248	41.87	255.5		64.16
7	264	101.45	581.4		65.61
8	276	105.52	578.5		66.68
9	299	24.54	124.2		68.74
10	311	48.67	236.8		69.72
11	321	43.63	206.2		70.46
12	339	24.18	108.0		71.99
13	359	34.56	146.1		73.55
14	381	26.98	107.2		75.41
15	387	26.35	103.1		75.90
16	417	24.72	89.9		77.88
17	444	12.78	43.6		79.44
18	459	14.73	48.6		80.31
19	495	23.10	70.7		82.32
20	530	36.48	104.4		84.01
21	571	6.97	18.5		85.95
22	593	8.20	20.9		87.02
23	625	6.51	15.8		88.13
24	650	8.14	19.0		88.95
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...

... Region table for sample 2 :

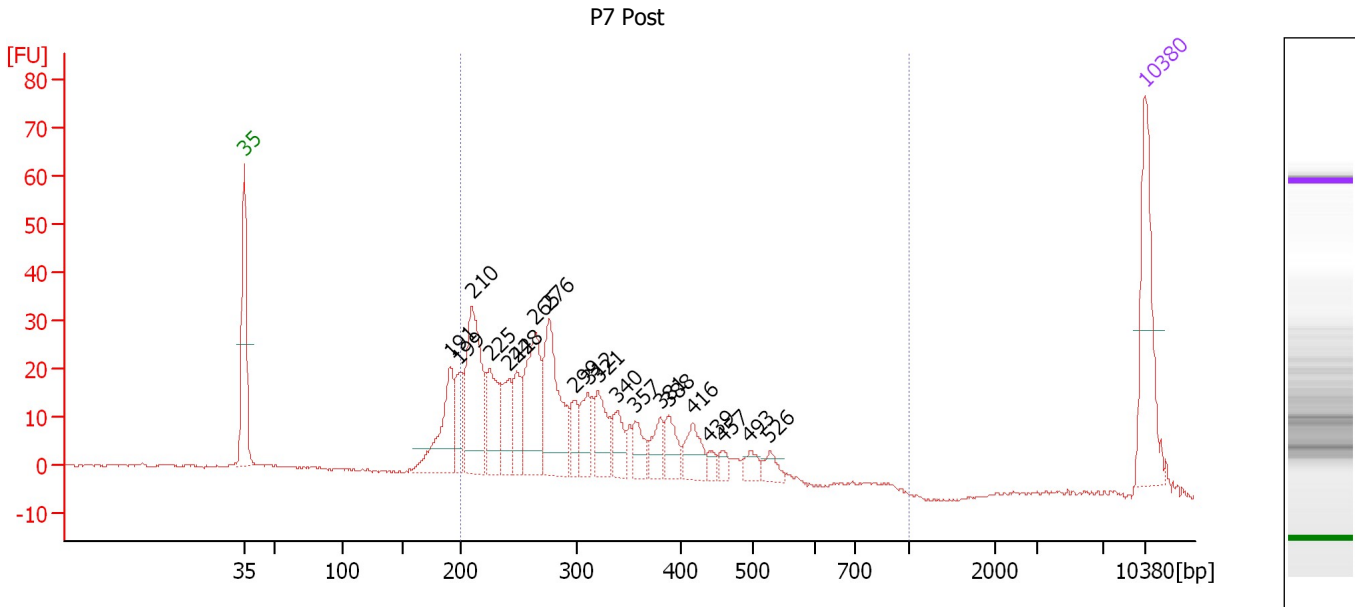
P6 Post

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	343	678.1	5,271.3	■ 1,013.15	83	39.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : P7 Post

Number of peaks found: 20 Corr. Area 1: 557.9
 Noise: 0.3

Peak table for sample 3 : P7 Post

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	191	88.54	701.7		59.04
3	199	40.36	307.4		59.74
4	210	139.15	1,006.1		60.70
5	225	63.79	429.0		62.11
6	242	42.55	266.4		63.60
7	248	40.00	243.9		64.18
8	265	100.37	574.7		65.63
9	276	116.49	639.0		66.66
10	299	26.21	132.9		68.70
11	312	33.10	161.0		69.73
12	321	41.95	197.9		70.52
13	340	29.11	129.9		72.01
14	357	25.17	106.9		73.42
15	381	24.69	98.2		75.37
16	388	27.48	107.2		75.99
17	416	31.36	114.1		77.85
18	439	8.48	29.3		79.14
19	457	9.36	31.0		80.18
20	493	13.38	41.1		82.25
21	526	13.35	38.4		83.86
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...

... Region table for sample 3 :

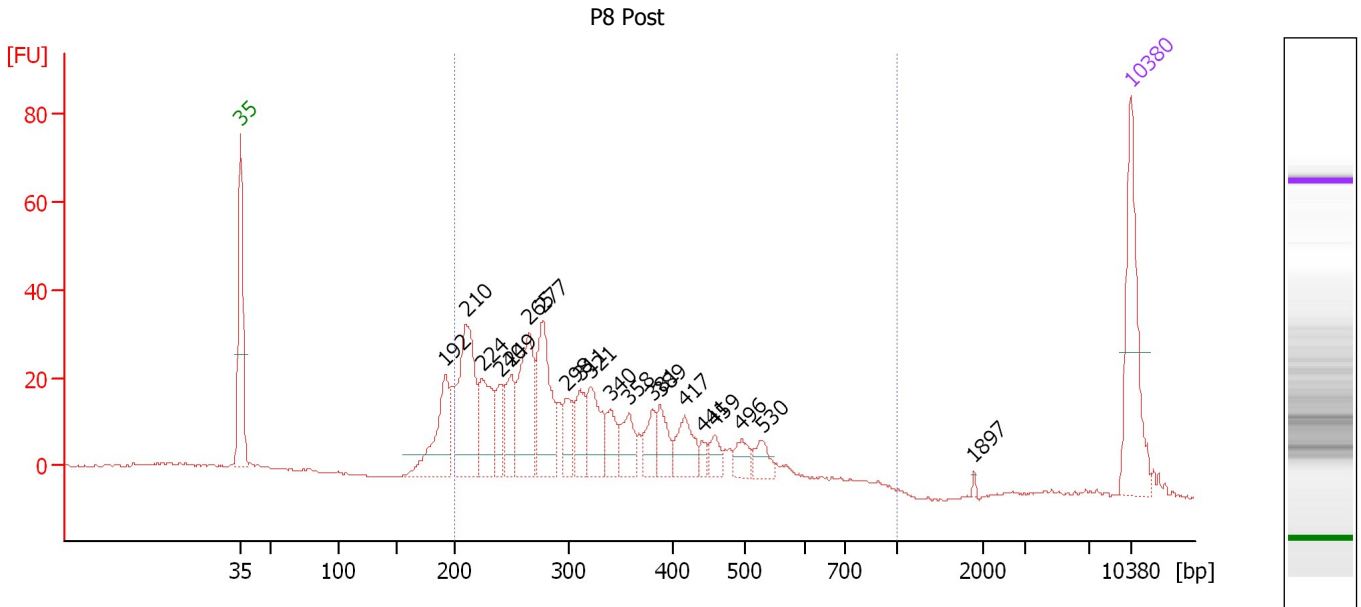
P7 Post

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	311	557.9	4,817.8	898.32	84	30.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : P8 Post

Number of peaks found: 20 Corr. Area 1: 642.0
 Noise: 0.3

Peak table for sample 4 : P8 Post

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	192	83.60	660.0		59.11
3	210	141.40	1,022.2		60.70
4	224	66.47	450.3		61.96
5	240	27.88	176.3		63.38
6	249	44.77	272.5		64.22
7	265	99.52	568.3		65.69
8	277	98.01	536.0		66.74
9	298	29.90	152.2		68.58
10	311	33.07	161.0		69.72
11	321	52.44	247.8		70.47
12	340	28.48	126.8		72.07
13	358	32.89	139.1		73.53
14	381	25.84	102.8		75.38
15	389	27.33	106.5		76.01
16	417	36.28	131.8		77.90
17	441	7.75	26.6		79.28
18	459	14.52	47.9		80.29
19	496	16.87	51.6		82.38
20	530	17.28	49.4		84.02
21	1,897	1.55	1.2		100.67
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...

... Region table for sample 4 :

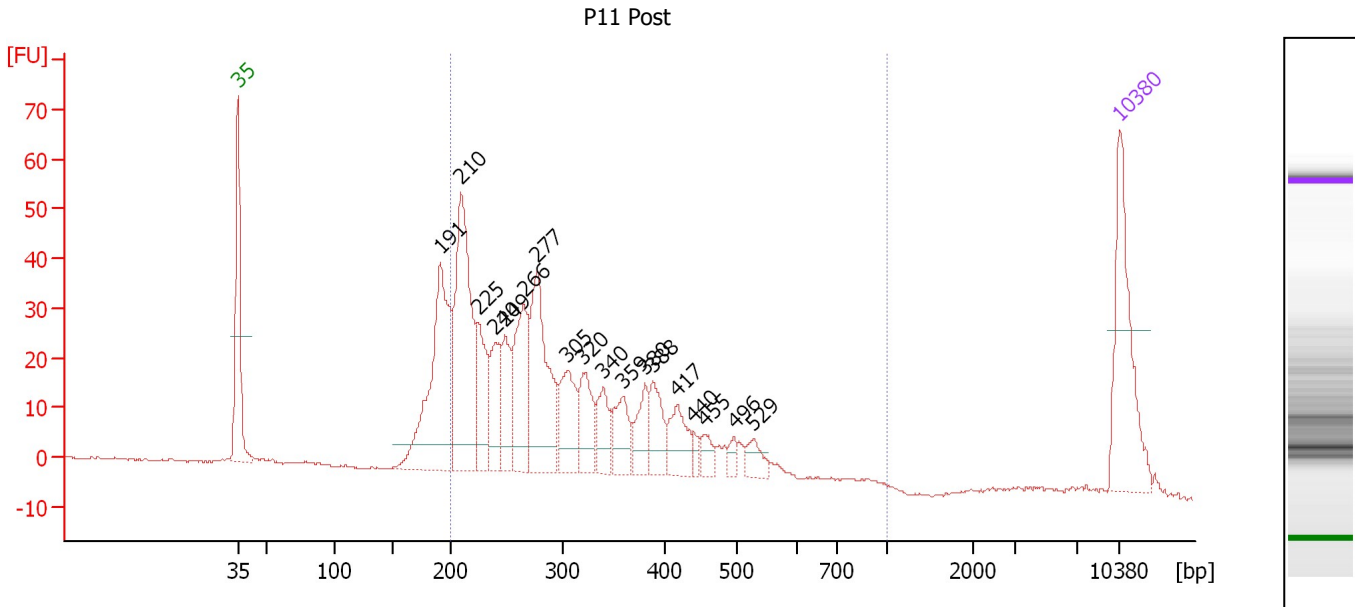
P8 Post

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	330	642.0	4,729.7	913.16	86	33.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : P11 Post

Number of peaks found: 18 Corr. Area 1: 757.3
 Noise: 0.2

Peak table for sample 5 : P11 Post

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	191	196.40	1,554.7		59.06
3	210	191.45	1,383.0		60.71
4	225	61.05	411.3		62.07
5	240	55.48	350.2		63.42
6	249	46.28	282.1		64.19
7	266	87.63	499.9		65.71
8	277	129.63	708.1		66.77
9	305	55.53	276.0		69.19
10	320	44.55	210.7		70.46
11	340	30.96	138.1		72.03
12	359	34.83	147.0		73.59
13	380	30.04	119.7		75.33
14	388	33.90	132.5		75.92
15	417	35.24	128.0		77.92
16	440	6.89	23.7		79.19
17	455	12.46	41.5		80.08
18	496	8.37	25.6		82.41
19	529	15.00	43.0		83.97
20	10,380	75.00	10.9	Upper Marker	113.00

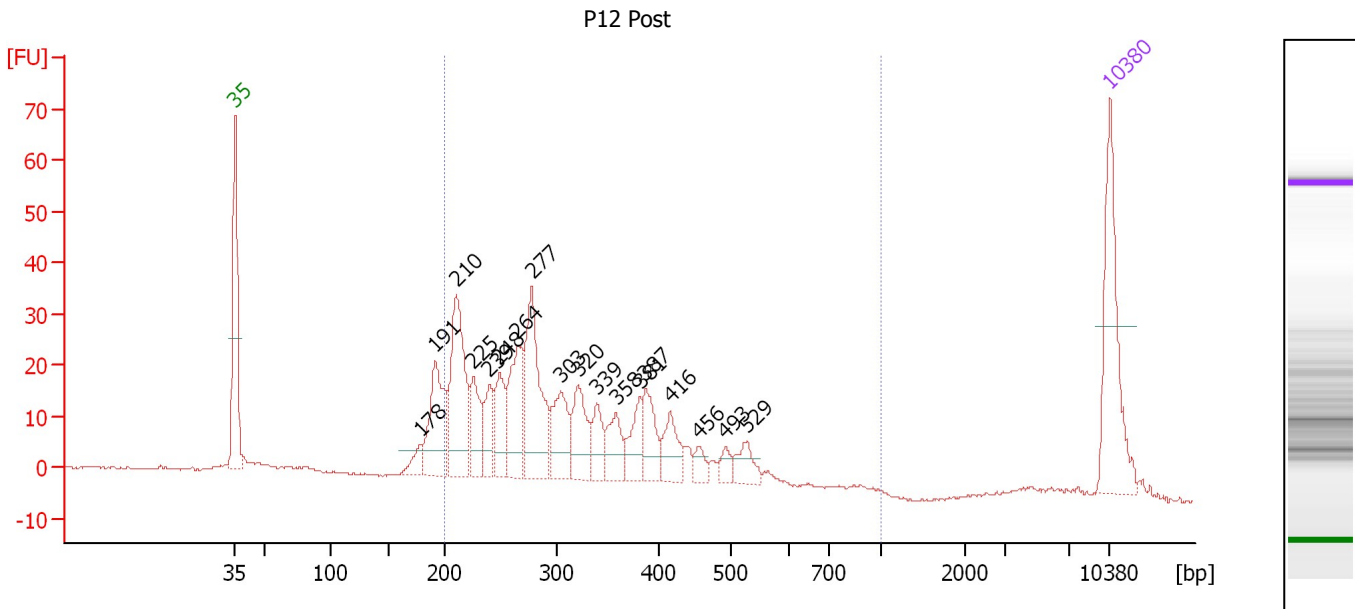
Region table for sample 5 : P11 Post

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	321	757.3	5,298.7	992.96	82	35.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : P12 Post

Number of peaks found: 18 Corr. Area 1: 559.9
 Noise: 0.2

Peak table for sample 6 : P12 Post

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	178	16.39	139.9		57.80
3	191	88.63	702.4		59.04
4	210	125.53	907.3		60.70
5	225	44.38	299.0		62.07
6	239	34.56	218.9		63.35
7	248	44.04	268.8		64.16
8	264	75.06	430.1		65.61
9	277	113.76	621.7		66.76
10	303	53.50	267.7		69.02
11	320	49.62	234.9		70.43
12	339	26.00	116.2		71.96
13	358	31.89	135.0		73.50
14	381	30.46	121.0		75.42
15	387	35.82	140.4		75.85
16	416	31.15	113.4		77.85
17	456	11.75	39.1		80.11
18	493	10.07	30.9		82.24
19	529	19.18	54.9		83.99
20	10,380	75.00	10.9	Upper Marker	113.00

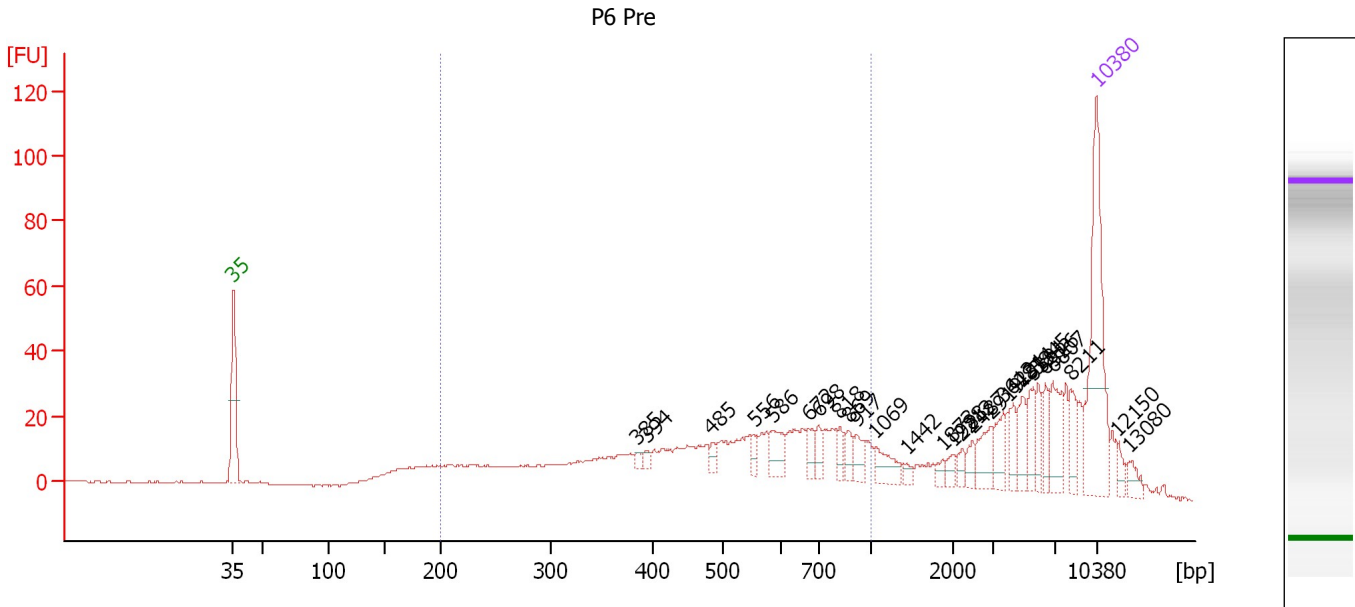
Region table for sample 6 : P12 Post

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	323	559.9	4,296.3	821.80	83	31.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : P6 Pre

Number of peaks found: 27 Corr. Area 1: 563.4
 Noise: 0.2

Peak table for sample 7 : P6 Pre

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	385	3.60	14.2		75.73
3	394	4.23	16.3		76.47
4	485	5.65	17.6		81.78
5	556	7.62	20.8		85.24
6	586	17.57	45.4		86.67
7	672	9.99	22.5		89.65
8	698	8.39	18.2		90.47
9	818	7.75	14.3		92.16
10	869	8.73	15.2		92.85
11	917	10.15	16.8		93.50
12	1,069	13.72	19.4		95.10
13	1,442	3.18	3.3		97.61
14	1,873	3.67	3.0		100.50
15	1,988	4.67	3.6		101.28
16	2,212	5.22	3.6		102.06
17	2,487	6.55	4.0		102.97
18	2,919	15.38	8.0		104.40
19	3,612	14.73	6.2		105.43
20	4,231	9.09	3.3		106.21
21	4,814	13.51	4.3		106.95
22	5,501	12.47	3.4		107.81
23	5,845	11.14	2.9		108.24
24	6,326	12.11	2.9		108.85
25	6,807	20.75	4.6		109.45

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...

... Peak table for sample 7 : P6 Pre

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	8,211	12.77	2.4		110.88
27	10,380	75.00	10.9	Upper Marker	113.00
28	12,150	0.00	0.0		114.73
29	13,080	0.00	0.0		115.64

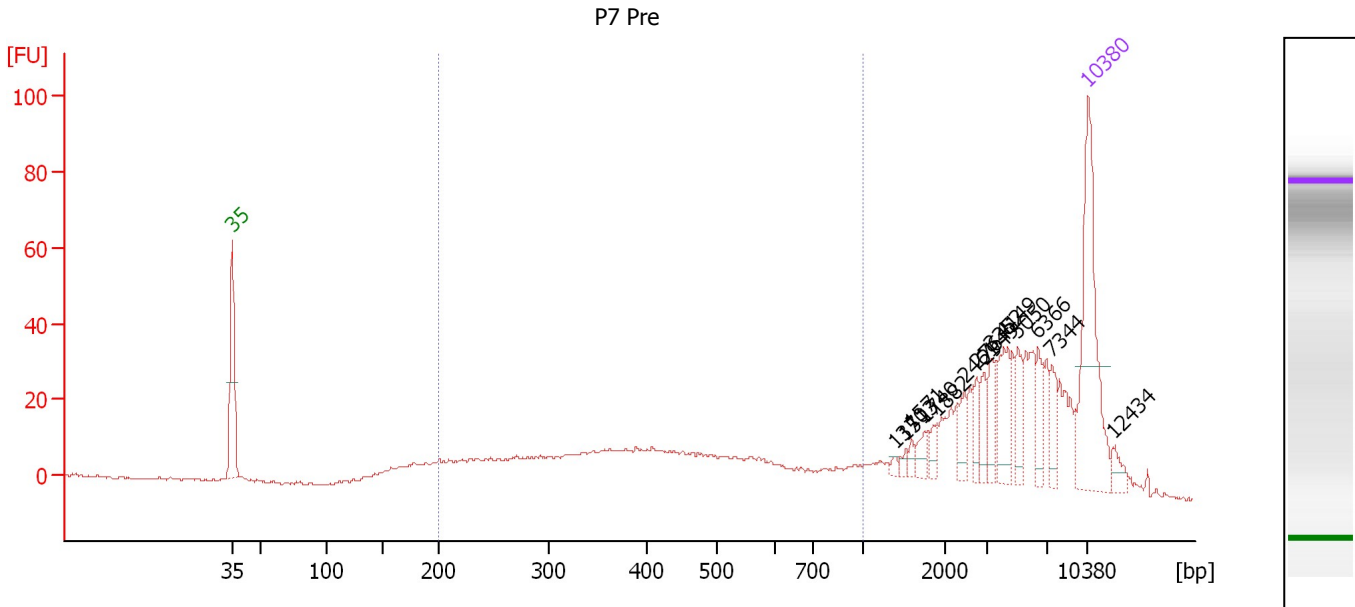
Region table for sample 7 : P6 Pre

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	520	563.4	1,867.9	506.83	56	37.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : P7 Pre

Number of peaks found: 14 Corr. Area 1: 358.3
 Noise: 0.3

Peak table for sample 8 : P7 Pre

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	1,370	2.27	2.5		97.12
3	1,513	3.10	3.1		98.08
4	1,571	3.47	3.3		98.48
5	1,740	7.58	6.6		99.61
6	1,882	6.36	5.1		100.57
7	2,461	10.51	6.5		102.88
8	2,764	10.27	5.6		103.88
9	2,949	10.82	5.6		104.50
10	3,352	13.88	6.3		105.11
11	4,149	23.66	8.6		106.11
12	5,050	14.28	4.3		107.24
13	6,366	14.76	3.5		108.90
14	7,344	12.17	2.5		110.03
15	10,380	75.00	10.9	Upper Marker	113.00
16	12,434	0.00	0.0		115.01

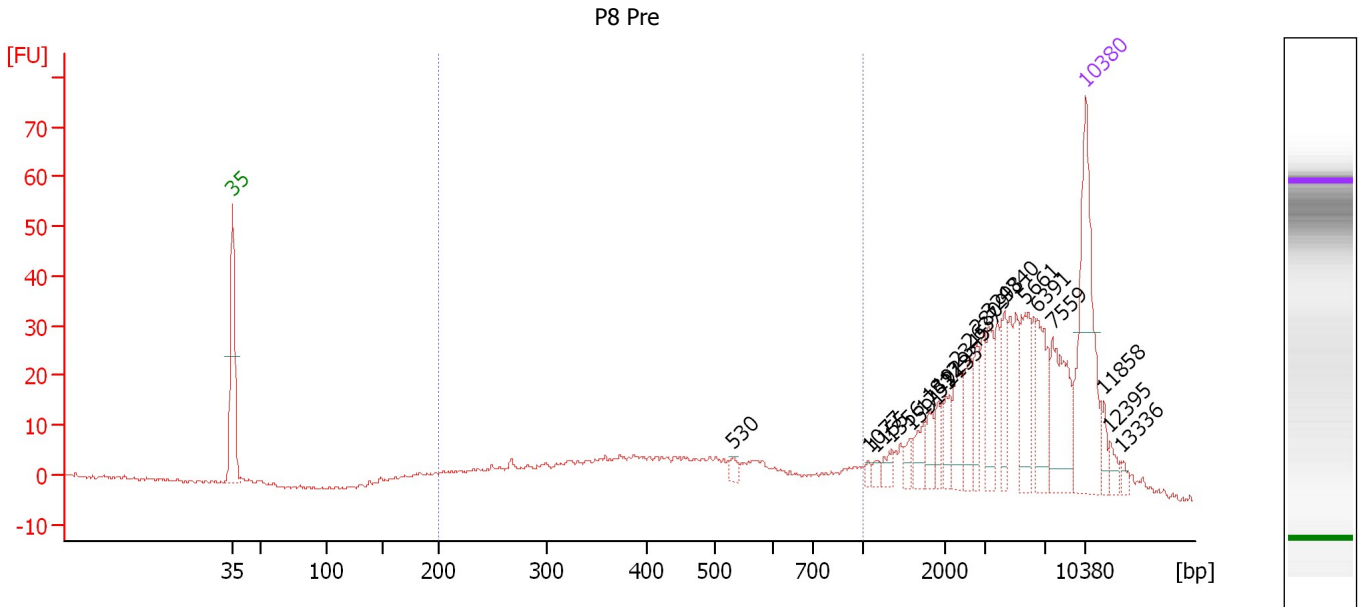
Region table for sample 8 : P7 Pre

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	446	358.3	1,391.6	332.04	44	40.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : P8 Pre

Number of peaks found: 20 Corr. Area 1: 218.4
 Noise: 0.4

Peak table for sample 9 : P8 Pre

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	530	4.87	13.9		84.04
3	1,077	2.75	3.9		95.15
4	1,155	3.86	5.1		95.67
5	1,356	5.70	6.4		97.03
6	1,591	5.70	5.4		98.61
7	1,753	9.94	8.6		99.70
8	1,812	9.40	7.9		100.09
9	1,929	9.11	7.2		100.88
10	2,133	11.97	8.5		101.80
11	2,345	17.59	11.4		102.50
12	2,637	18.11	10.4		103.46
13	2,809	13.80	7.4		104.03
14	3,298	19.14	8.8		105.04
15	4,340	18.30	6.4		106.35
16	5,661	30.02	8.0		108.01
17	6,391	30.63	7.3		108.93
18	7,559	41.73	8.4		110.24
19	10,380	75.00	10.9	Upper Marker	113.00
20	11,858	0.00	0.0		114.44
21	12,395	0.00	0.0		114.97
22	13,336	0.00	0.0		115.89

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...

... Region table for sample 9 :

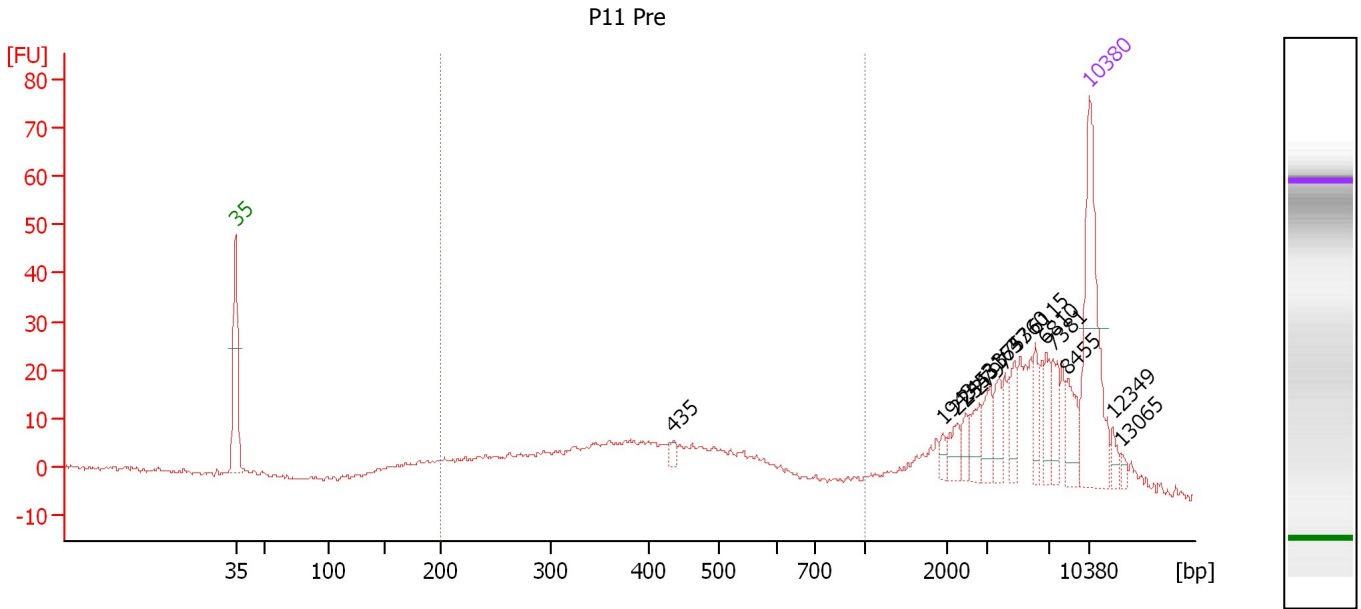
P8 Pre

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	463	218.4	1,084.1	270.65	34	39.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : P11 Pre

Number of peaks found: 14 Corr. Area 1: 241.1
 Noise: 0.5

Peak table for sample 10 : P11 Pre

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	435	4.88	17.0		78.90
3	1,943	4.47	3.5		100.98
4	2,254	10.40	7.0		102.20
5	2,453	7.42	4.6		102.86
6	2,797	12.87	7.0		103.99
7	3,163	13.58	6.5		104.87
8	3,753	13.00	5.2		105.61
9	4,760	14.08	4.5		106.88
10	6,115	12.72	3.2		108.58
11	6,810	14.32	3.2		109.46
12	7,381	15.40	3.2		110.07
13	8,455	17.48	3.1		111.12
14	10,380	75.00	10.9	Upper Marker	113.00
15	12,349	0.00	0.0		114.92
16	13,065	0.00	0.0		115.62

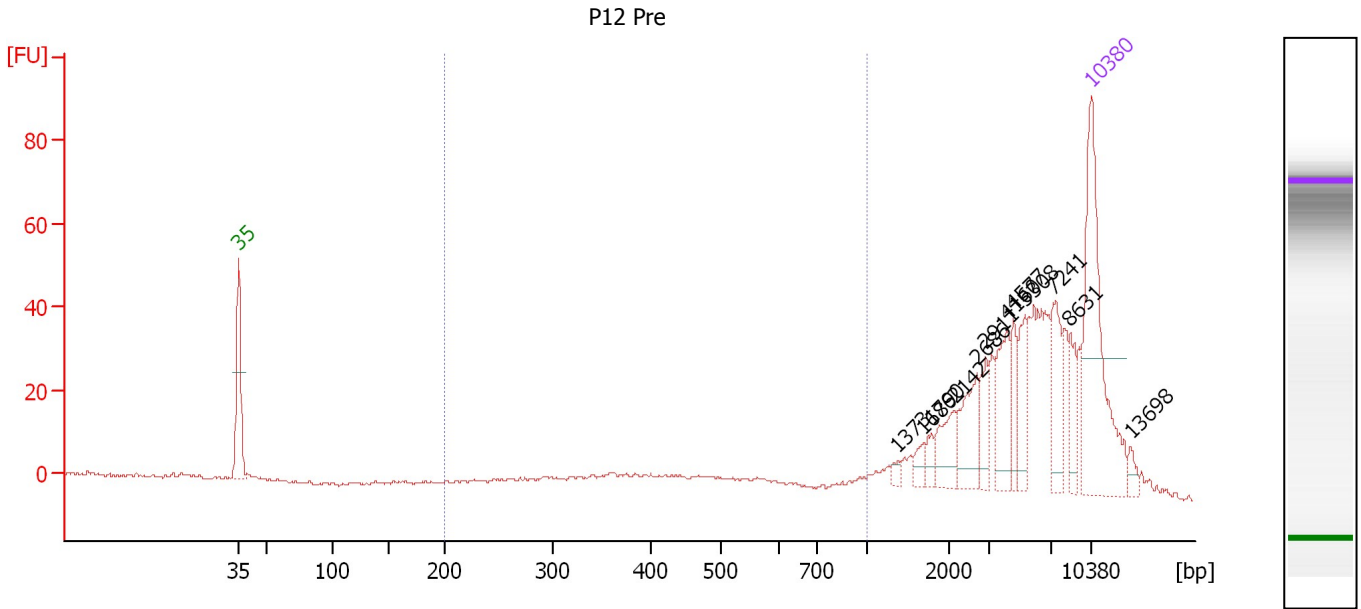
Region table for sample 10 : P11 Pre

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	413	241.1	1,308.1	306.72	45	33.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : P12 Pre

Number of peaks found: 12 Corr. Area 1: 80.9
 Noise: 0.4

Peak table for sample 11 : P12 Pre

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	1,373	2.79	3.1		97.14
3	1,686	5.01	4.5		99.25
4	1,790	5.99	5.1		99.95
5	2,142	16.71	11.8		101.83
6	2,686	23.53	13.3		103.63
7	2,911	11.64	6.1		104.37
8	4,160	24.54	8.9		106.12
9	4,577	12.39	4.1		106.65
10	5,308	18.69	5.3		107.57
11	7,241	23.99	5.0		109.93
12	8,631	13.39	2.3		111.29
13	10,380	75.00	10.9	Upper Marker	113.00
14	13,698	0.00	0.0		116.24

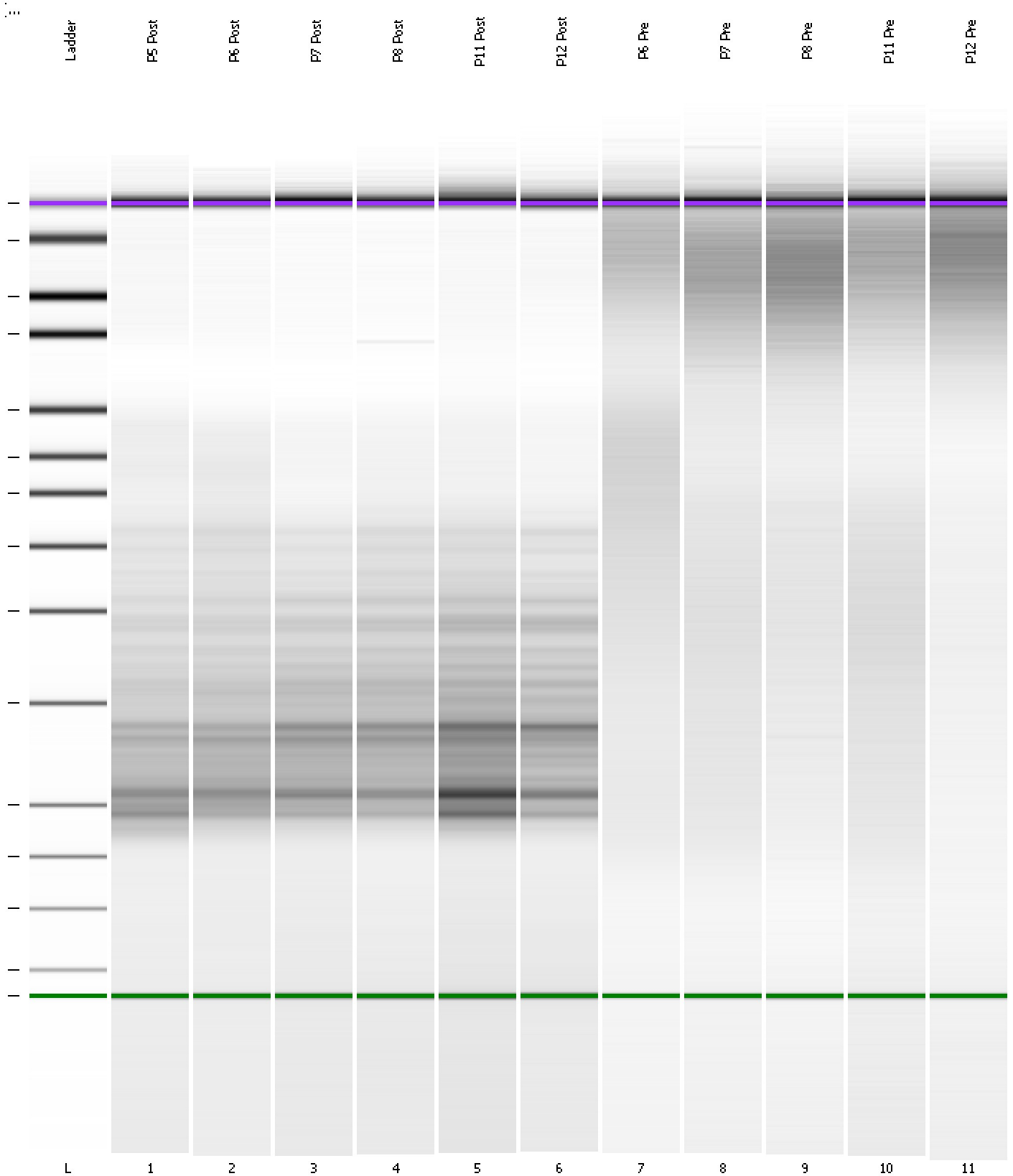
Region table for sample 11 : P12 Pre

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	480	80.9	249.0	65.84	15	38.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
Modified: 4/13/2016 11:31:47 AM

Gel Image

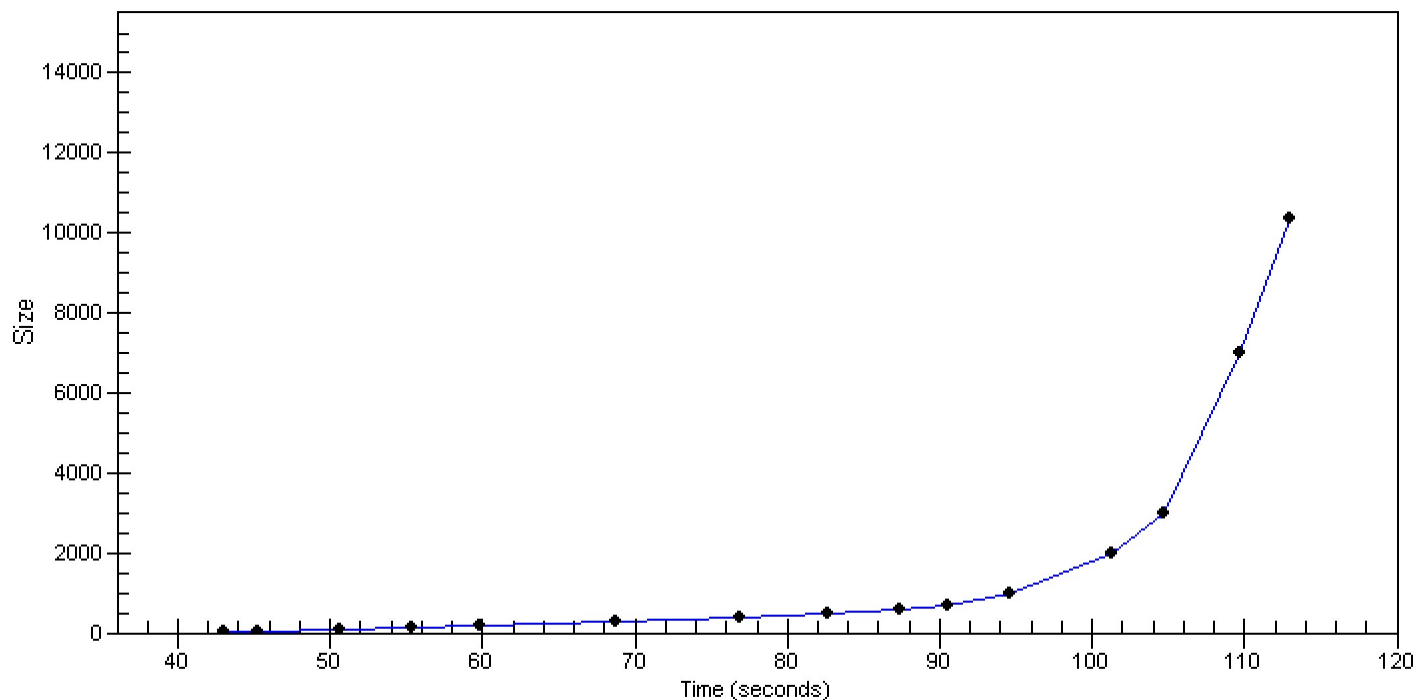


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
Modified: 4/13/2016 11:31:47 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-13\2016-04-13_001.xad

Created: 4/13/2016 10:45:48 AM
 Modified: 4/13/2016 11:31:47 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		4/13/2016 11:27:06 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\2016-04-13\2016-04-13_001.xad)		Instrument	Run		4/13/2016 10:45:54 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/13/2016 10:45:54 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/13/2016 10:45:54 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/13/2016 10:45:54 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/13/2016 10:45:54 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/13/2016 10:45:54 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/13/2016 10:45:54 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1