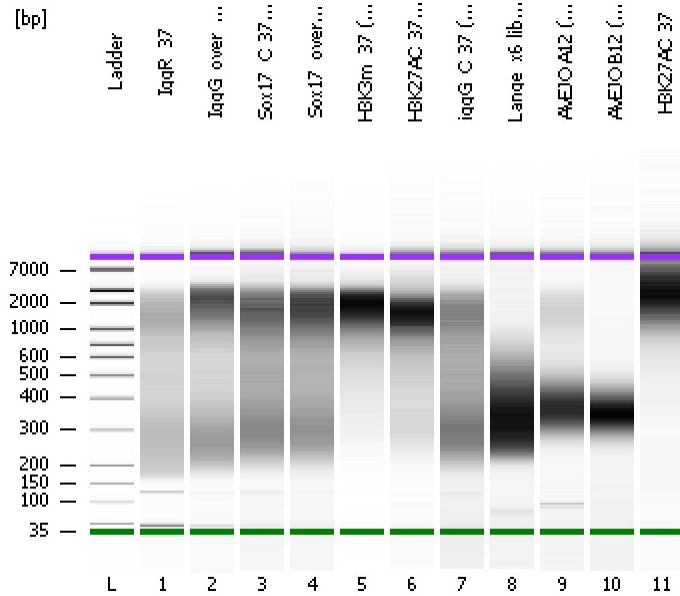


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
Modified: 1/6/2015 12:12:37 PM

Electrophoresis File Run Summary



Instrument Information:

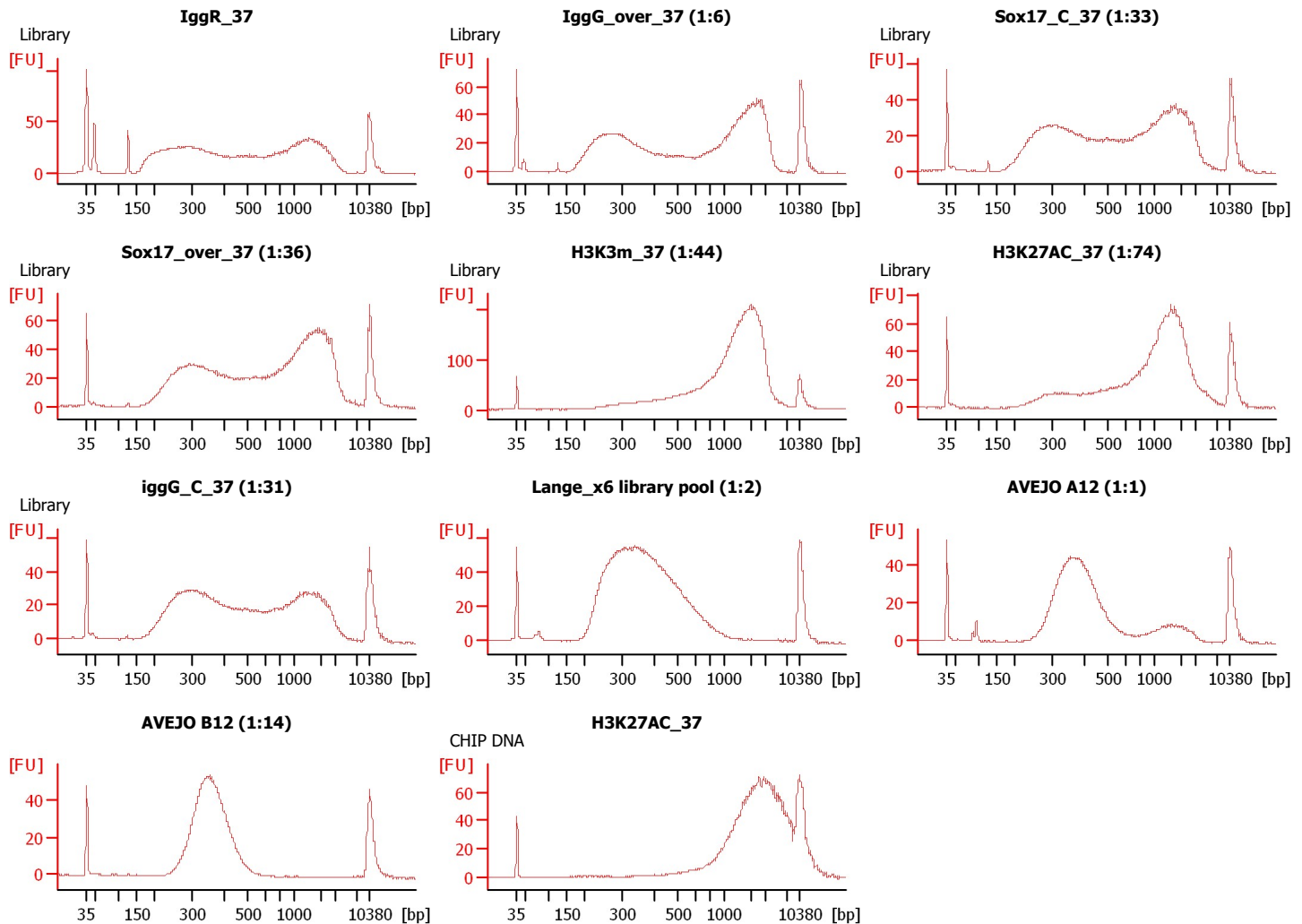
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
Modified: 1/6/2015 12:12:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
IggR_37	Library	<input type="checkbox"/>	✓			
IggG_over_37 (1:6)	Library	<input type="checkbox"/>	✓			
Sox17_C_37 (1:33)	Library	<input type="checkbox"/>	✓			
Sox17_over_37 (1:36)	Library	<input type="checkbox"/>	✓			
H3K3m_37 (1:44)	Library	<input type="checkbox"/>	✓			
H3K27AC_37 (1:74)	Library	<input type="checkbox"/>	✓			
iggG_C_37 (1:31)	Library	<input type="checkbox"/>	✓			
Lange_x6 library pool (1:2)		<input type="checkbox"/>	✓			
AVEJO A12 (1:1)		<input type="checkbox"/>	✓			
AVEJO B12 (1:14)		<input type="checkbox"/>	✓			
H3K27AC_37	CHIP DNA	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
Modified: 1/6/2015 12:12:37 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

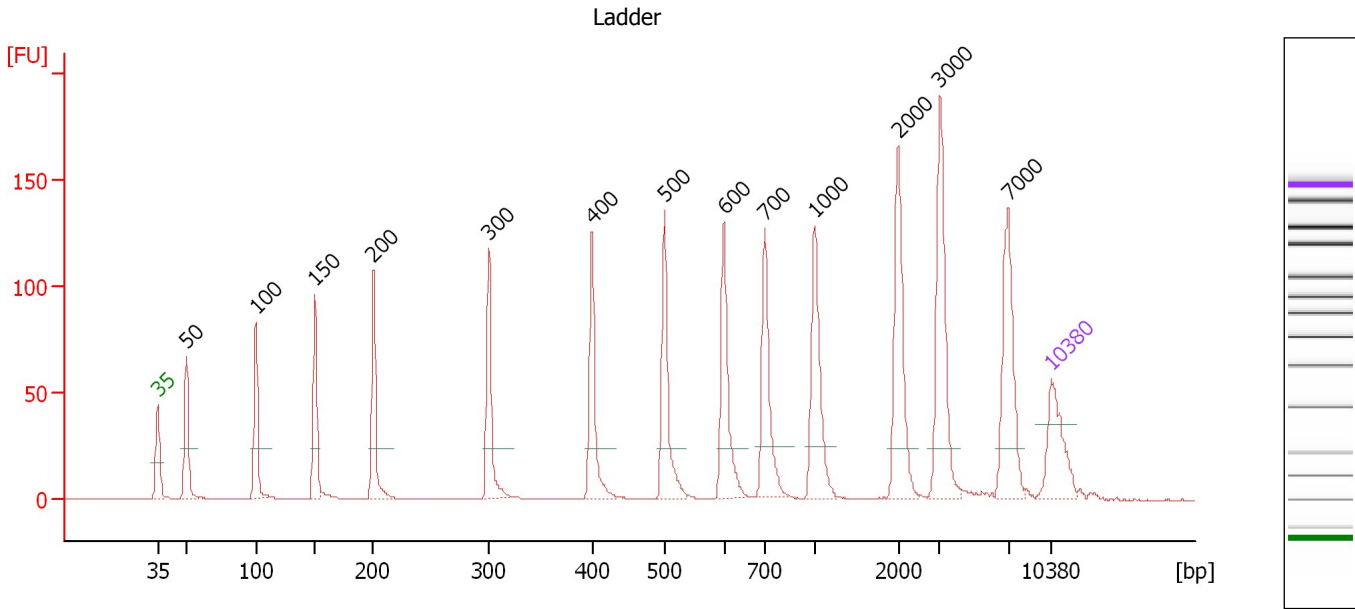
Ladder

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:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

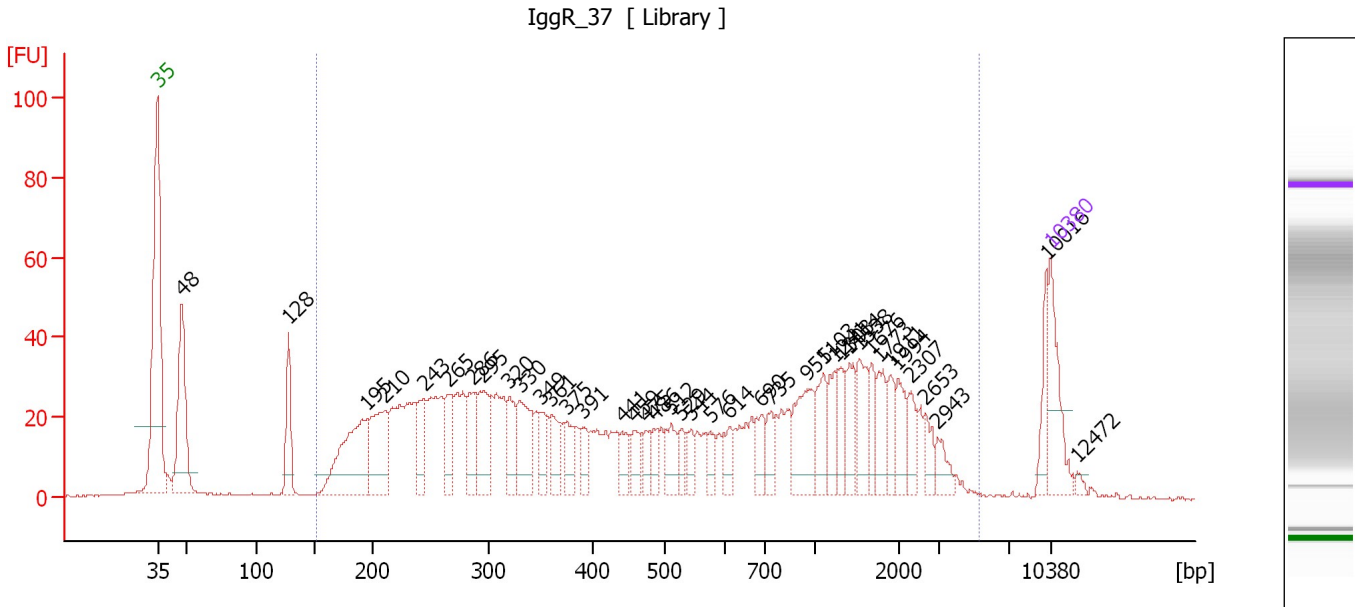
Peak table for Ladder

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	45.27
3	100	150.00	2,272.7	Ladder Peak	50.71
4	150	150.00	1,515.2	Ladder Peak	55.33
5	200	150.00	1,136.4	Ladder Peak	59.91
6	300	150.00	757.6	Ladder Peak	68.98
7	400	150.00	568.2	Ladder Peak	77.05
8	500	150.00	454.5	Ladder Peak	82.72
9	600	150.00	378.8	Ladder Peak	87.38
10	700	150.00	324.7	Ladder Peak	90.56
11	1,000	150.00	227.3	Ladder Peak	94.50
12	2,000	150.00	113.6	Ladder Peak	101.03
13	3,000	150.00	75.8	Ladder Peak	104.30
14	7,000	150.00	32.5	Ladder Peak	109.65
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : IggR_37

Number of peaks found: 40 Corr. Area 1: 1,430.6
 Noise: 0.2

Peak table for sample 1 : IggR_37

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	48	250.12	7,971.2		44.90
3	128	97.44	1,154.0		53.29
4	195	223.61	1,739.8		59.43
5	210	140.59	1,013.8		60.83
6	243	68.02	423.3		63.85
7	265	63.45	362.3		65.84
8	286	74.27	393.1		67.73
9	295	112.11	576.3		68.50
10	320	63.65	301.6		70.58
11	330	99.34	455.5		71.43
12	349	42.16	182.8		72.97
13	361	54.76	230.1		73.87
14	375	44.23	178.6		75.04
15	391	33.06	128.2		76.31
16	441	33.24	114.2		79.38
17	459	35.40	117.0		80.37
18	475	27.46	87.7		81.27
19	486	25.94	80.9		81.90
20	512	46.71	138.3		83.26
21	529	24.29	69.6		84.07
22	544	23.22	64.6		84.79
23	576	24.73	65.0		86.28
24	614	31.97	78.9		87.82
25	690	36.66	80.4		90.25

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad


Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : IggR_37

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	735	32.82	67.6		91.02
27	955	91.37	145.0		93.91
28	1,103	51.29	70.5		95.17
29	1,241	42.85	52.3		96.08
30	1,303	36.56	42.5		96.48
31	1,414	47.08	50.5		97.20
32	1,538	54.57	53.8		98.02
33	1,676	31.74	28.7		98.92
34	1,773	43.48	37.1		99.55
35	1,911	32.21	25.5		100.45
36	1,994	39.03	29.7		100.99
37	2,307	29.68	19.5		102.03
38	2,653	24.12	13.8		103.16
39	2,943	23.02	11.9		104.11
40	10,016	40.32	6.1		112.64
41	10,380	75.00	10.9	Upper Marker	113.00
42	12,472	0.00	0.0		115.08

Region table for sample 1 : IggR_37

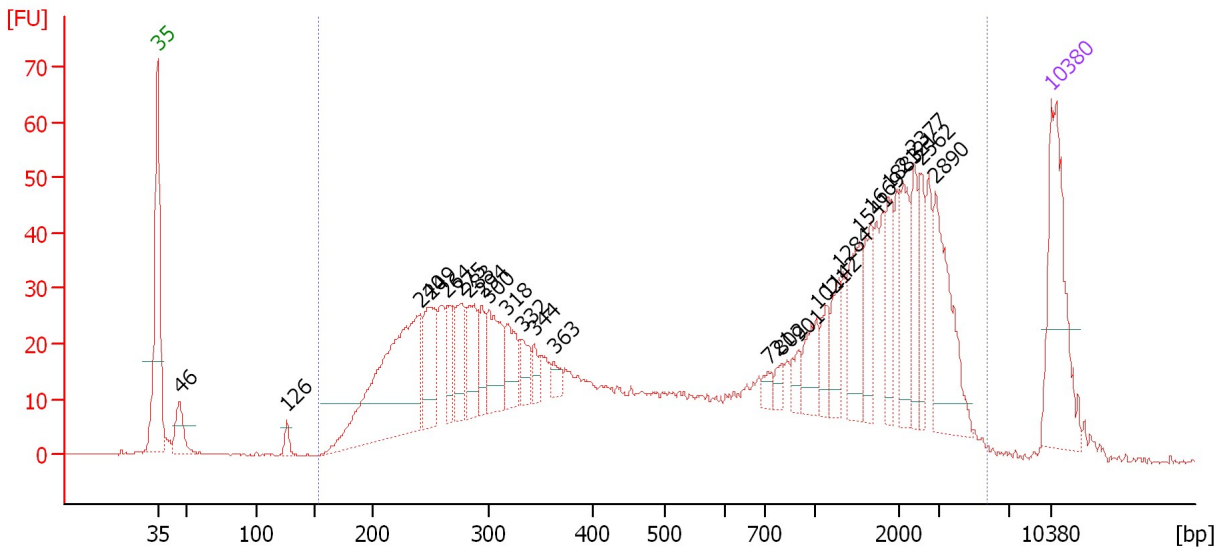
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
151	822	5,273	1,430.6	88	92.1	3,072.63	12,927.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...

IggG_over_37 (1:6) [Library]



Overall Results for sample 2 : IggG over 37 (1:6)

Number of peaks found: 26 Corr. Area 1: 1,391.7
 Noise: 0.1

Peak table for sample 2 : IggG over 37 (1:6)

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	28.83	941.7		44.72
3	126	8.32	99.9		53.13
4	240	197.06	1,243.7		63.54
5	249	55.69	339.1		64.33
6	264	28.61	164.4		65.68
7	275	37.96	209.2		66.71
8	283	39.62	212.0		67.45
9	294	23.83	122.9		68.42
10	300	49.62	251.0		68.94
11	318	30.25	144.2		70.42
12	332	17.44	79.7		71.54
13	344	12.32	54.3		72.52
14	363	9.96	41.6		74.05
15	721	6.88	14.5		90.83
16	802	7.33	13.9		91.90
17	901	10.25	17.2		93.20
18	1,021	22.28	33.1		94.64
19	1,142	15.55	20.6		95.43
20	1,284	19.66	23.2		96.36
21	1,541	35.49	34.9		98.03
22	1,669	25.69	23.3		98.87
23	1,883	27.31	22.0		100.26
24	2,121	32.02	22.9		101.43
25	2,377	24.07	15.3		102.26

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : IggG over 37 (1:6)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,562	23.78	14.1		102.87
27	2,890	60.38	31.7		103.94
28	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 2 : IggG over 37 (1:6)

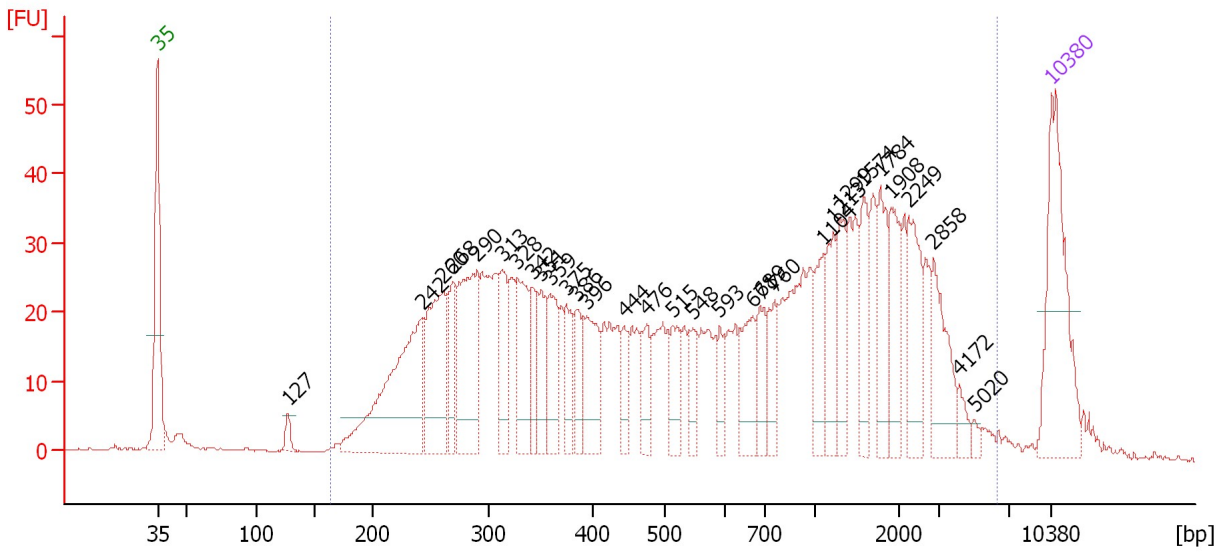
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
154	1,163	5,787	1,391.7	97	90.1	1,611.35	6,013.0	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...

Sox17_C_37 (1:33) [Library]



Overall Results for sample 3 : Sox17 C 37 (1:33)

Number of peaks found: 31 Corr. Area 1: 1,365.2
 Noise: 0.2

Peak table for sample 3 : Sox17 C 37 (1:33)

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	127	8.76	104.5		53.21
3	242	155.69	975.5		63.70
4	260	93.51	544.8		65.36
5	268	35.42	200.0		66.11
6	290	97.67	510.7		68.05
7	313	42.12	204.2		69.99
8	328	55.19	255.1		71.22
9	342	29.06	128.8		72.35
10	351	30.03	129.8		73.06
11	359	44.79	188.8		73.77
12	375	23.68	95.8		75.00
13	386	26.13	102.6		75.90
14	396	46.21	177.0		76.70
15	444	18.75	64.0		79.54
16	476	22.37	71.3		81.33
17	515	25.83	76.0		83.41
18	548	19.19	53.0		84.97
19	593	15.24	38.9		87.05
20	671	34.31	77.4		89.65
21	689	24.86	54.6		90.22
22	760	24.76	49.3		91.35
23	1,104	27.55	37.8		95.18
24	1,213	31.28	39.1		95.89
25	1,299	29.89	34.9		96.46

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : Sox17 C 37 (1:33)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,575	30.38	29.2		98.25
27	1,784	34.61	29.4		99.62
28	1,908	32.68	26.0		100.43
29	2,249	37.77	25.4		101.85
30	2,858	39.81	21.1		103.83
31	4,172	7.61	2.8		105.86
32	5,020	3.64	1.1		107.00
33	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 3 : Sox17 C 37 (1:33)

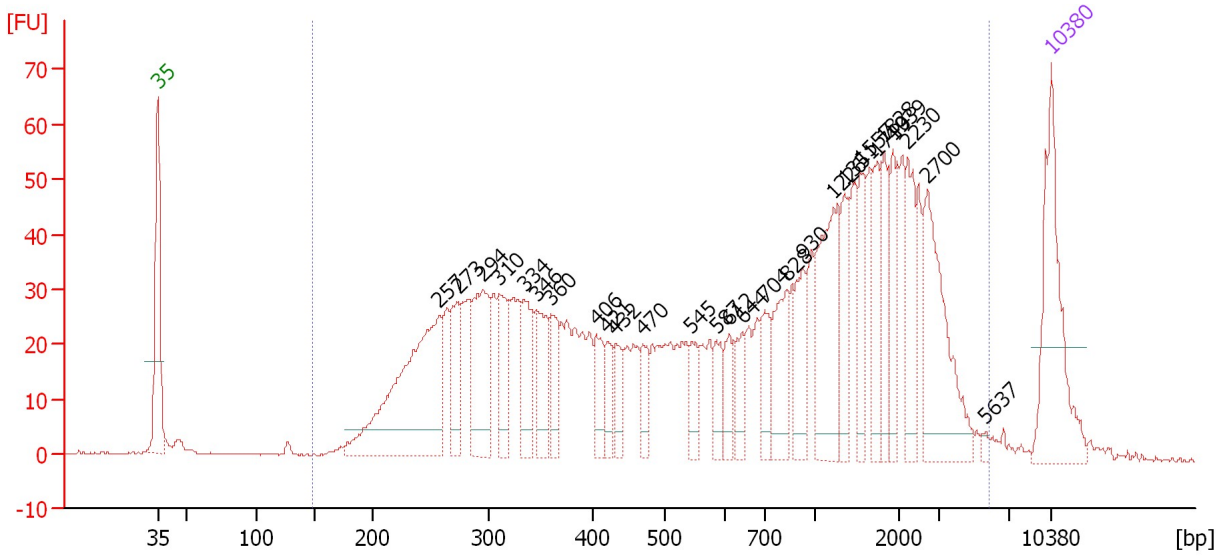
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
164	997	6,372	1,365.2	97	95.0	1,714.94	6,065.9	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...

Sox17_over_37 (1:36) [Library]



Overall Results for sample 4 : Sox17 over 37 (1:36)

Number of peaks found: 27 Corr. Area 1: 1,679.3
 Noise: 0.2

Peak table for sample 4 : Sox17 over 37 (1:36)

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	257	204.19	1,205.0		65.05
3	273	44.28	245.6		66.54
4	294	82.00	422.2		68.46
5	310	42.86	209.3		69.80
6	334	40.91	185.6		71.72
7	346	41.30	180.9		72.68
8	360	29.29	123.2		73.83
9	406	25.55	95.4		77.38
10	421	18.68	67.2		78.24
11	432	20.83	73.1		78.86
12	470	18.85	60.8		81.02
13	545	20.30	56.5		84.81
14	587	19.01	49.1		86.77
15	612	19.37	47.9		87.78
16	644	21.12	49.7		88.79
17	704	22.32	48.0		90.61
18	828	43.22	79.1		92.24
19	930	34.30	55.9		93.58
20	1,226	78.35	96.8		95.98
21	1,351	29.32	32.9		96.79
22	1,557	28.41	27.7		98.14
23	1,740	30.74	26.8		99.34
24	1,828	28.57	23.7		99.91
25	1,939	32.20	25.2		100.63

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad


Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : Sox17 over 37 (1:36)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,230	36.38	24.7		101.78
27	2,700	80.00	44.9		103.32
28	5,637	2.68	0.7		107.82
29	10,380	75.00	10.9	Upper Marker	113.00

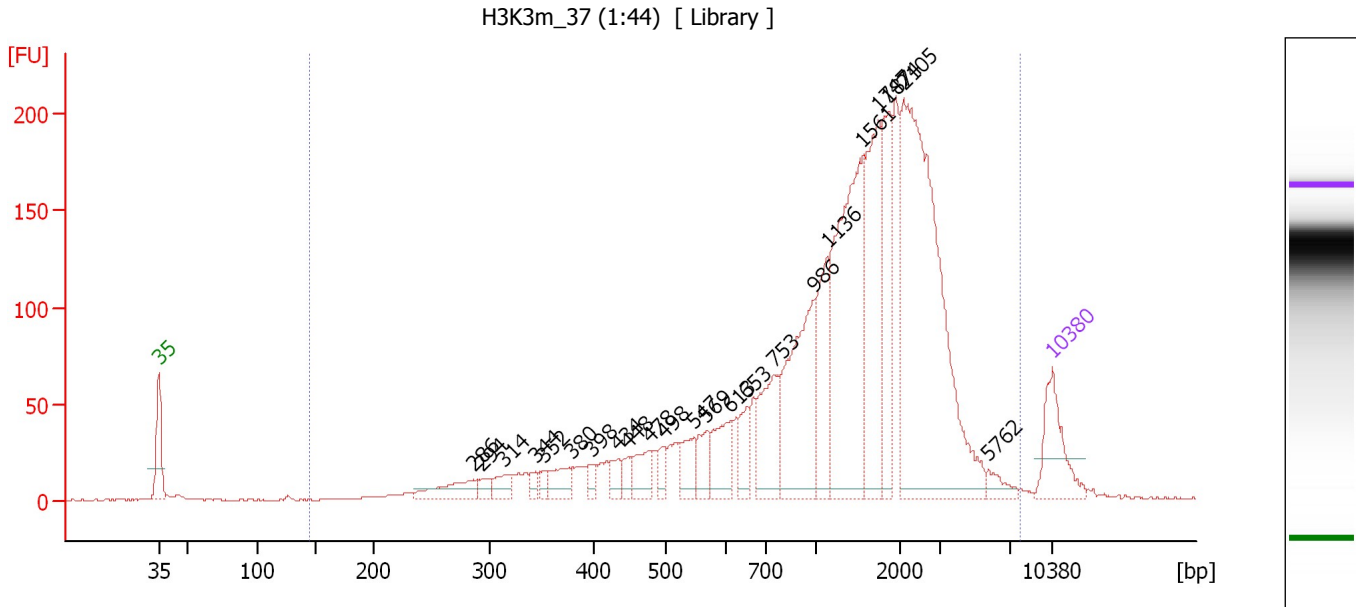
Region table for sample 4 : Sox17 over 37 (1:36)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
147	1,078	5,920	1,679.3	98	87.1	1,731.95	5,771.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : H3K3m_37 (1:44)

Number of peaks found: 23 Corr. Area 1: 3,052.7
 Noise: 0.2


Peak table for sample 5 : H3K3m_37 (1:44)

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	286	57.61	305.2		67.71
3	294	17.46	90.1		68.39
4	314	30.82	148.8		70.10
5	344	15.31	67.4		72.53
6	352	13.79	59.3		73.21
7	380	41.76	166.7		75.40
8	398	15.16	57.7		76.91
9	434	23.40	81.6		79.00
10	448	21.78	73.6		79.78
11	478	45.67	144.7		81.48
12	498	24.59	74.8		82.60
13	547	45.68	126.4		84.93
14	569	41.43	110.3		85.95
15	613	70.64	174.6		87.80
16	653	46.27	107.4		89.07
17	753	114.39	230.1		91.26
18	986	221.82	340.8		94.32
19	1,136	113.10	150.8		95.39
20	1,561	351.21	341.0		98.16
21	1,747	205.80	178.5		99.38
22	1,874	137.90	111.5		100.21
23	2,105	570.32	410.5		101.37
24	5,762	18.49	4.9		107.99
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
Modified: 1/6/2015 12:12:37 PM

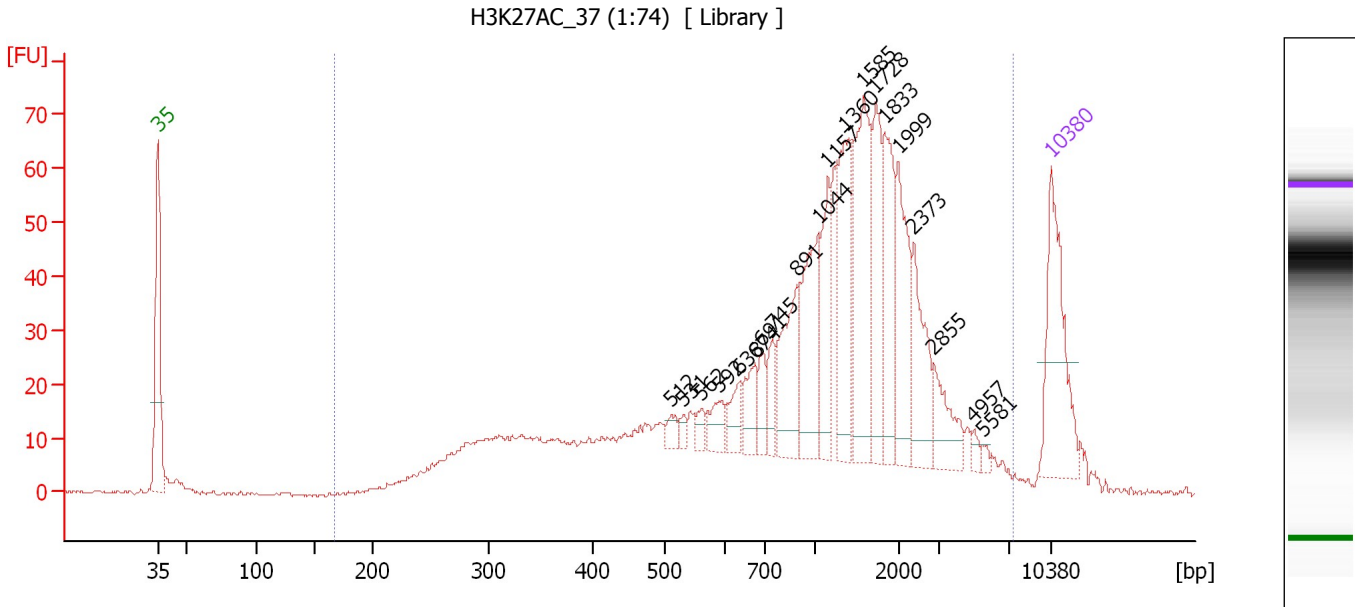
Electropherogram Summary Continued ...**... Region table for sample 5 : H3K3m 37 (1:44)**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
144	1,619	7,876	3,052.7	98	65.5	2,656.37	4,795.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : H3K27AC 37 (1:74)

Number of peaks found: 20 Corr. Area 1: 1,220.9
 Noise: 0.3

Peak table for sample 6 : H3K27AC 37 (1:74)

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	512	9.82	29.1		83.25
3	531	6.14	17.5		84.19
4	562	8.60	23.2		85.61
5	592	18.39	47.0		87.03
6	638	19.23	45.6		88.60
7	674	25.97	58.4		89.73
8	691	19.25	42.2		90.27
9	745	18.45	37.5		91.16
10	891	62.12	105.6		93.07
11	1,044	72.27	104.9		94.79
12	1,157	49.76	65.2		95.52
13	1,360	79.06	88.1		96.85
14	1,585	99.54	95.1		98.32
15	1,728	60.48	53.0		99.26
16	1,833	58.17	48.1		99.94
17	1,999	64.93	49.2		101.02
18	2,373	47.39	30.3		102.25
19	2,855	30.44	16.2		103.82
20	4,957	4.27	1.3		106.91
21	5,581	3.33	0.9		107.75
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...

... Region table for sample 6 : H3K27AC 37 (1:74)

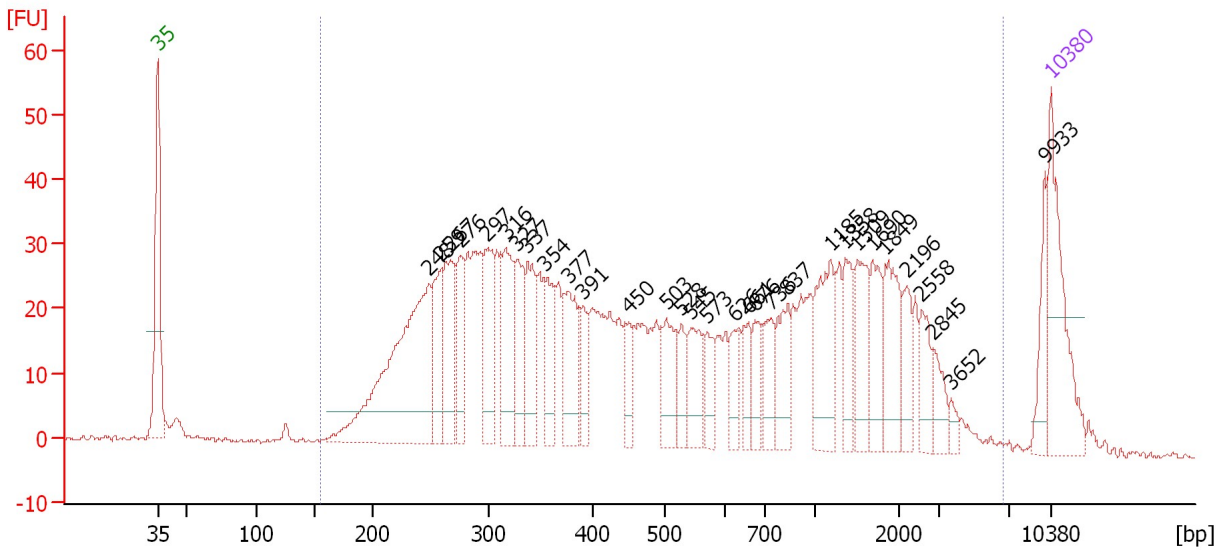
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
167	1,393	7,374	1,220.9	97	78.1	1,463.76	3,272.1	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...

iggG_C_37 (1:31) [Library]



Overall Results for sample 7 : iggG C 37 (1:31)

Number of peaks found: 31 Corr. Area 1: 1,362.3
 Noise: 0.3

Peak table for sample 7 : iggG C 37 (1:31)

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	248	264.41	1,617.7		64.23
3	259	62.46	366.1		65.22
4	267	81.41	462.5		65.96
5	276	50.68	278.3		66.79
6	297	65.87	335.9		68.71
7	316	72.62	347.9		70.29
8	327	53.96	249.8		71.18
9	337	57.61	259.0		71.97
10	354	48.43	207.2		73.34
11	377	63.77	256.1		75.22
12	391	28.57	110.8		76.30
13	450	25.87	87.0		79.90
14	503	42.10	126.8		82.85
15	528	22.98	65.9		84.03
16	545	41.26	114.7		84.82
17	573	24.94	66.0		86.10
18	626	25.10	60.7		88.22
19	661	23.26	53.4		89.31
20	676	25.36	56.8		89.80
21	736	30.08	61.9		91.03
22	837	37.68	68.2		92.36
23	1,185	61.85	79.1		95.71
24	1,358	33.27	37.1		96.84
25	1,509	43.04	43.2		97.83

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad


Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 7 : iggG C 37 (1:31)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,690	35.66	32.0		99.01
27	1,849	46.22	37.9		100.04
28	2,196	24.82	17.1		101.67
29	2,558	22.21	13.2		102.85
30	2,845	18.67	9.9		103.79
31	3,652	6.45	2.7		105.17
32	9,933	25.16	3.8		112.56
33	10,380	75.00	10.9	Upper Marker	113.00

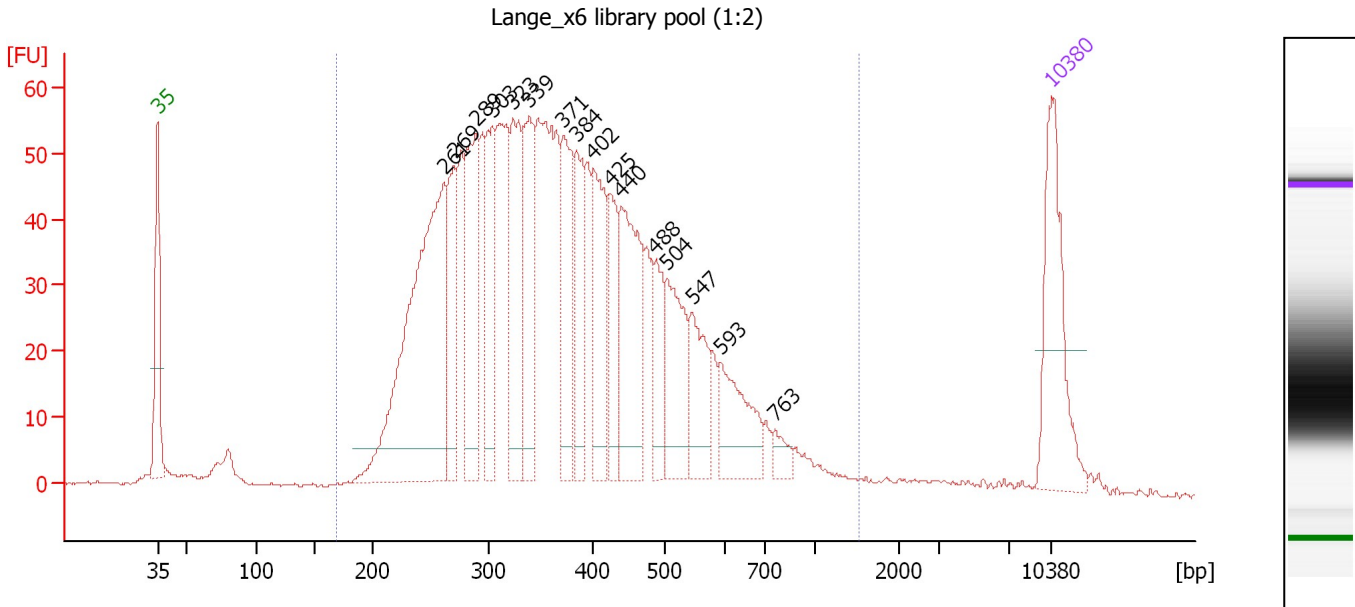
Region table for sample 7 : iggG C 37 (1:31)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
155	846	6,663	1,362.3	96	99.3	2,093.85	8,022.4	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Lange_x6 library pool (1:2)

Number of peaks found: 16 Corr. Area 1: 1,660.8
 Noise: 0.3

Peak table for sample 8 : Lange_x6 library pool (1:2)

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	261	323.78	1,878.3		65.46
3	269	79.41	446.7		66.20
4	289	119.37	626.9		67.94
5	303	78.04	390.2		69.23
6	323	105.70	496.3		70.81
7	339	92.56	413.3		72.15
8	371	84.94	346.7		74.73
9	384	63.32	249.8		75.77
10	402	84.46	318.4		77.16
11	425	51.96	185.4		78.45
12	440	111.05	382.0		79.34
13	488	41.80	129.9		82.02
14	504	71.40	214.6		82.91
15	547	52.75	146.2		84.89
16	593	58.43	149.2		87.07
17	763	11.20	22.2		91.39
18	10,380	75.00	10.9	Upper Marker	113.00

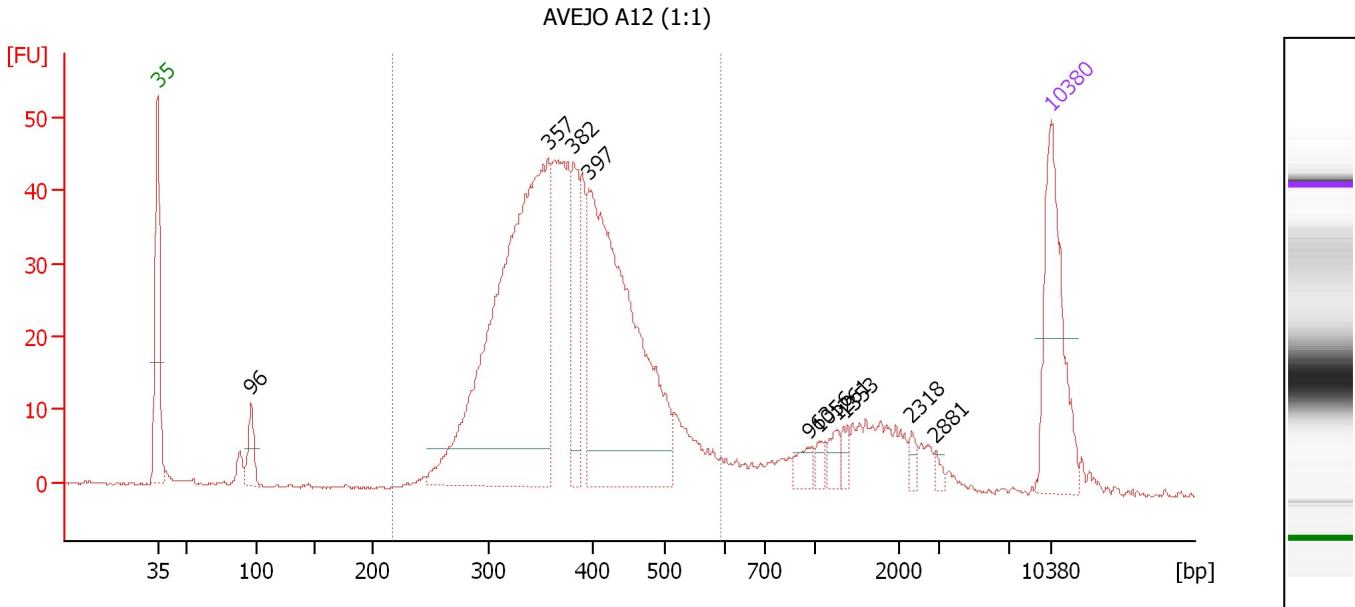
Region table for sample 8 : Lange_x6 library pool (1:2)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
168	394	1,521	1,660.8	96	38.0	2,100.73	9,355.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : AVEJO A12 (1:1)

Number of peaks found: 10 Corr. Area 1: 748.8
 Noise: 0.2

Peak table for sample 9 : AVEJO A12 (1:1)

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	96	26.04	409.7		50.30
3	357	455.32	1,930.7		73.60
4	382	55.26	219.2		75.59
5	397	322.27	1,230.8		76.78
6	963	11.15	17.5		94.02
7	1,056	7.13	10.2		94.87
8	1,261	9.85	11.8		96.21
9	1,353	6.82	7.6		96.80
10	2,318	5.58	3.6		102.07
11	2,881	3.58	1.9		103.91
12	10,380	75.00	10.9	Upper Marker	113.00

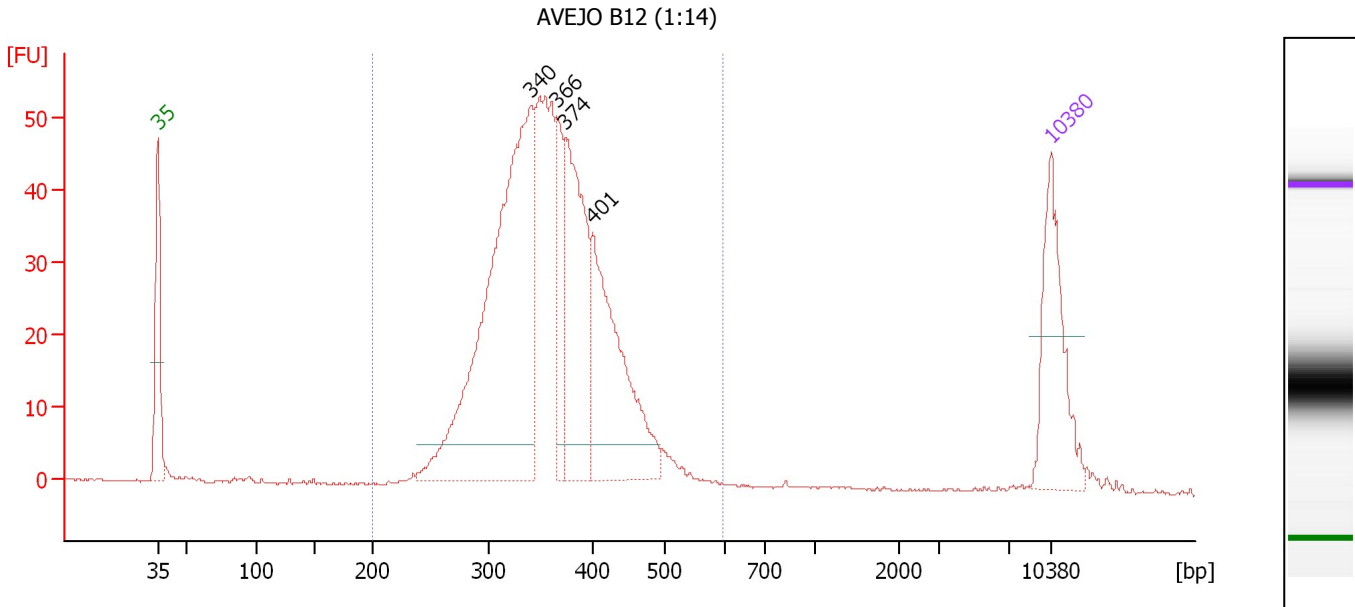
Region table for sample 9 : AVEJO A12 (1:1)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
216	383	594	748.8	83	17.5	1,113.87	4,583.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : AVEJO B12 (1:14)

Number of peaks found: 4 Corr. Area 1: 747.7
 Noise: 0.1

Peak table for sample 10 : AVEJO B12 (1:14)

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	340	442.25	1,972.1		72.19
3	366	63.47	262.9		74.28
4	374	161.07	651.9		74.98
5	401	173.36	654.4		77.13
6	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 10 : AVEJO B12 (1:14)

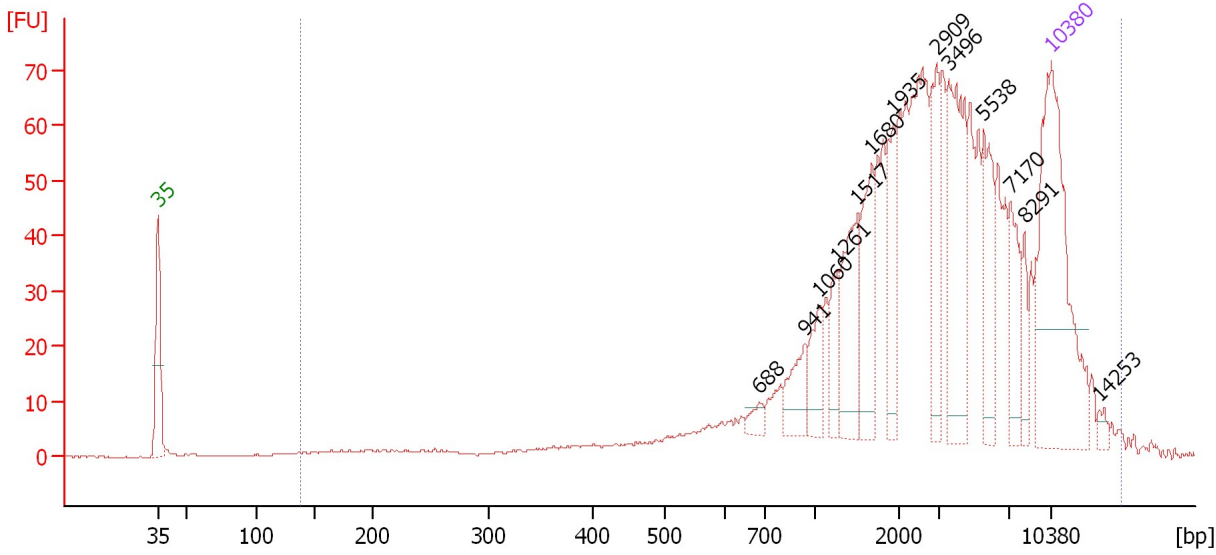
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	361	600	747.7	96	15.3	1,109.26	4,790.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 PM

Electropherogram Summary Continued ...

H3K27AC_37 [CHIP DNA]



Overall Results for sample 11 : H3K27AC 37

Number of peaks found: 13 Corr. Area 1: 1,097.7
 Noise: 0.1

Peak table for sample 11 : H3K27AC 37

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	688	4.80	10.6		90.19
3	941	15.83	25.5		93.73
4	1,060	14.40	20.6		94.89
5	1,261	14.19	17.0		96.21
6	1,517	30.22	30.2		97.88
7	1,680	28.01	25.3		98.94
8	1,935	21.24	16.6		100.61
9	2,909	26.09	13.6		104.00
10	3,496	47.45	20.6		104.96
11	5,538	24.25	6.6		107.69
12	7,170	17.25	3.6		109.81
13	8,291	9.89	1.8		110.93
14	10,380	75.00	10.9	Upper Marker	113.00
15	14,253	0.00	0.0		116.84

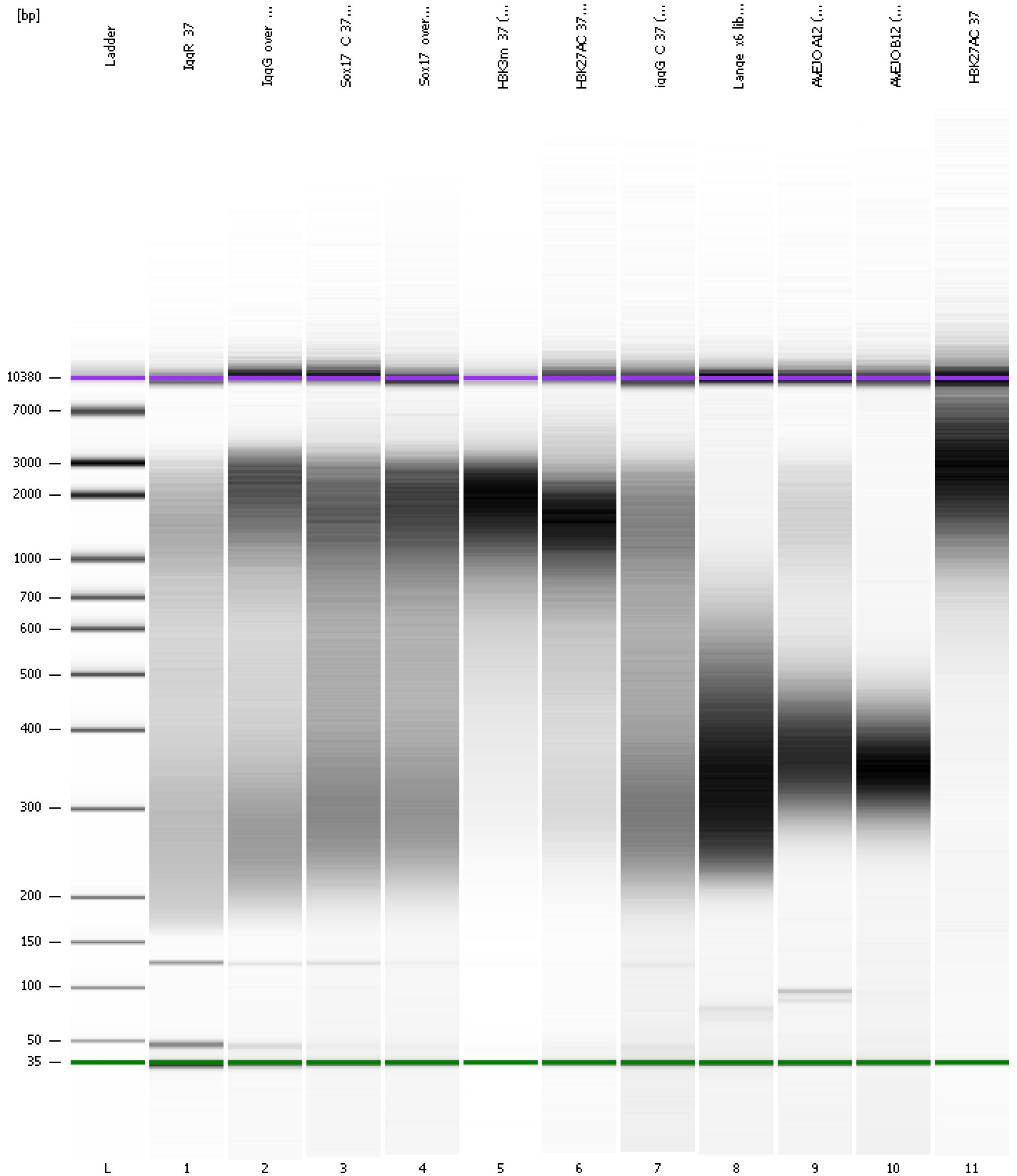
Region table for sample 11 : H3K27AC 37

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
139	4,392	15,909	1,097.7	97	83.0	591.55	723.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
Modified: 1/6/2015 12:12:37 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad

Created: 1/6/2015 11:27:25 AM
 Modified: 1/6/2015 12:12:37 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		1/6/2015 12:08:44 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-01-06\2015-01-06_003.xad)		Instrument	Run		1/6/2015 11:27:30 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		1/6/2015 11:27:30 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		1/6/2015 11:27:30 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		1/6/2015 11:27:30 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		1/6/2015 11:27:30 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		1/6/2015 11:27:30 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		1/6/2015 11:27:30 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1