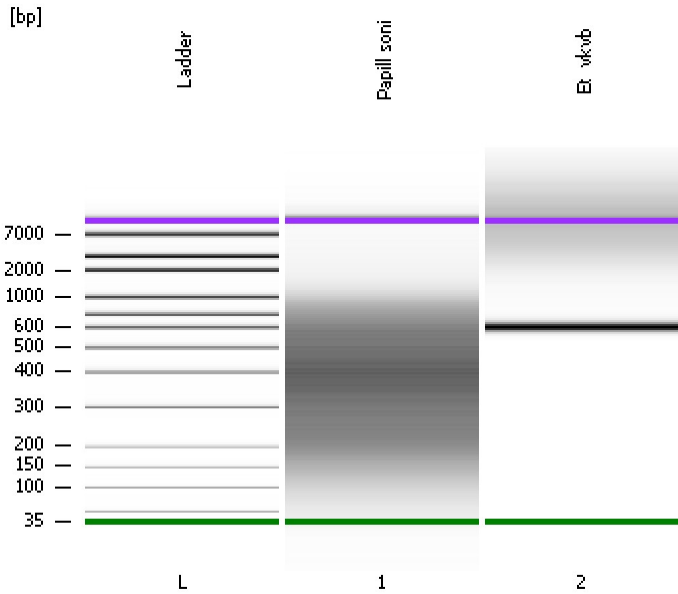


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Sensitivity DNA Assay_DE13701086_2014-08-26_Papillsoni.xad

Created: 8/26/2014 9:43:50 AM
 Modified: 8/26/2014 12:32:32 PM

Electrophoresis File Run Summary



Instrument Information:

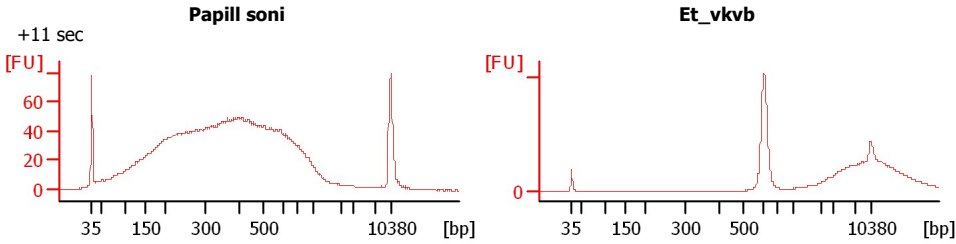
Instrument Name: DE13701086 Firmware: C.01.069
 Serial#: DE13701086 Type: G2938B

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:\... Sensitivity DNA Assay_DE13701086_2014-08-26_Papillsoni.xad

Created: 8/26/2014 9:43:50 AM
Modified: 8/26/2014 12:32:32 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Papill soni	+11 sec	<input type="checkbox"/>				
Et_vkvb		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... Sensitivity DNA Assay_DE13701086_2014-08-26_Papillsoni.xad

Created: 8/26/2014 9:43:50 AM
Modified: 8/26/2014 12:32:32 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

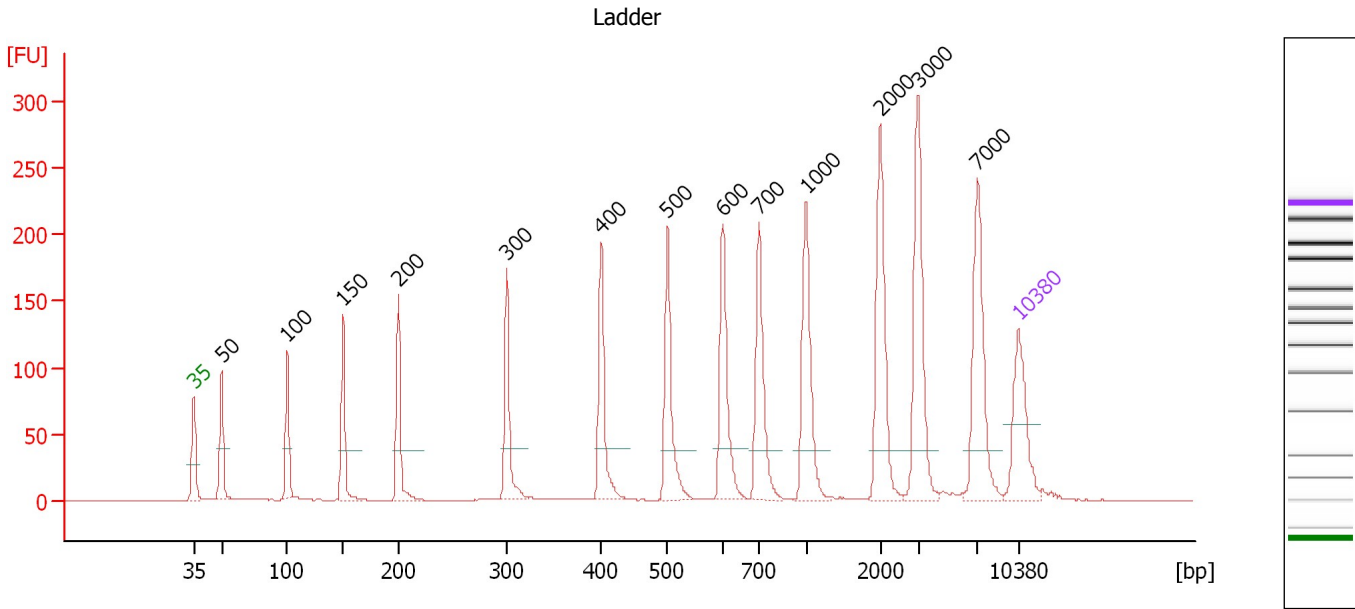
Ladder

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:\... Sensitivity DNA Assay_DE13701086_2014-08-26_Papillsoni.xad

Created: 8/26/2014 9:43:50 AM
 Modified: 8/26/2014 12:32:32 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

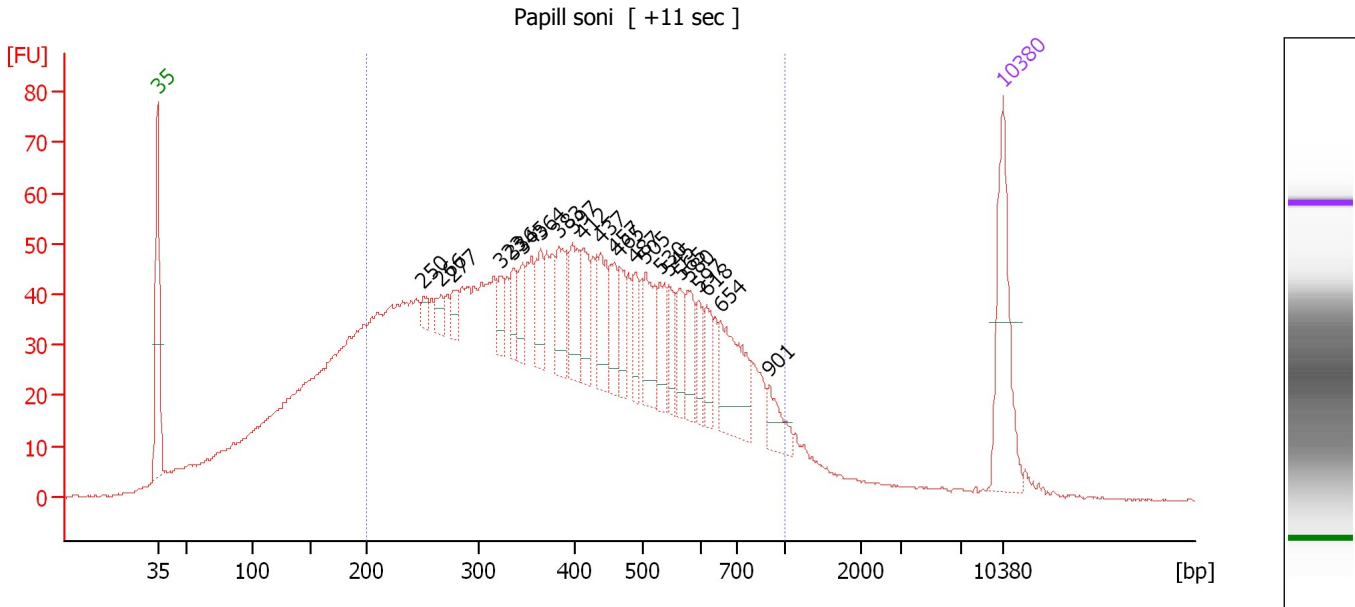
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Sensitivity DNA Assay_DE13701086_2014-08-26_Papillsoni.xad

Created: 8/26/2014 9:43:50 AM
 Modified: 8/26/2014 12:32:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Papill soni

Number of peaks found: 23 Corr. Area 1: 1,884.6
 Noise: 0.2

Peak table for sample 1 : Papill soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	250	10.41	62.9	
3	266	13.27	75.6	
4	277	17.00	92.9	
5	323	18.83	88.3	
6	336	20.88	94.2	
7	345	22.13	97.1	
8	364	30.81	128.1	
9	383	42.93	169.7	
10	397	43.83	167.3	
11	412	38.86	142.8	
12	437	41.60	144.3	
13	457	29.08	96.4	
14	465	26.47	86.4	
15	487	25.93	80.6	
16	505	45.00	135.2	
17	530	31.47	90.0	
18	545	23.83	66.3	
19	565	26.67	71.5	
20	580	31.03	81.1	
21	597	19.55	49.6	
22	618	23.41	57.4	
23	654	69.65	161.4	
24	901	21.95	36.9	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... Sensitivity DNA Assay_DE13701086_2014-08-26_Papillsoni.xad

Created: 8/26/2014 9:43:50 AM
Modified: 8/26/2014 12:32:32 PM

Electropherogram Summary Continued ...

... Region table for sample 1 :

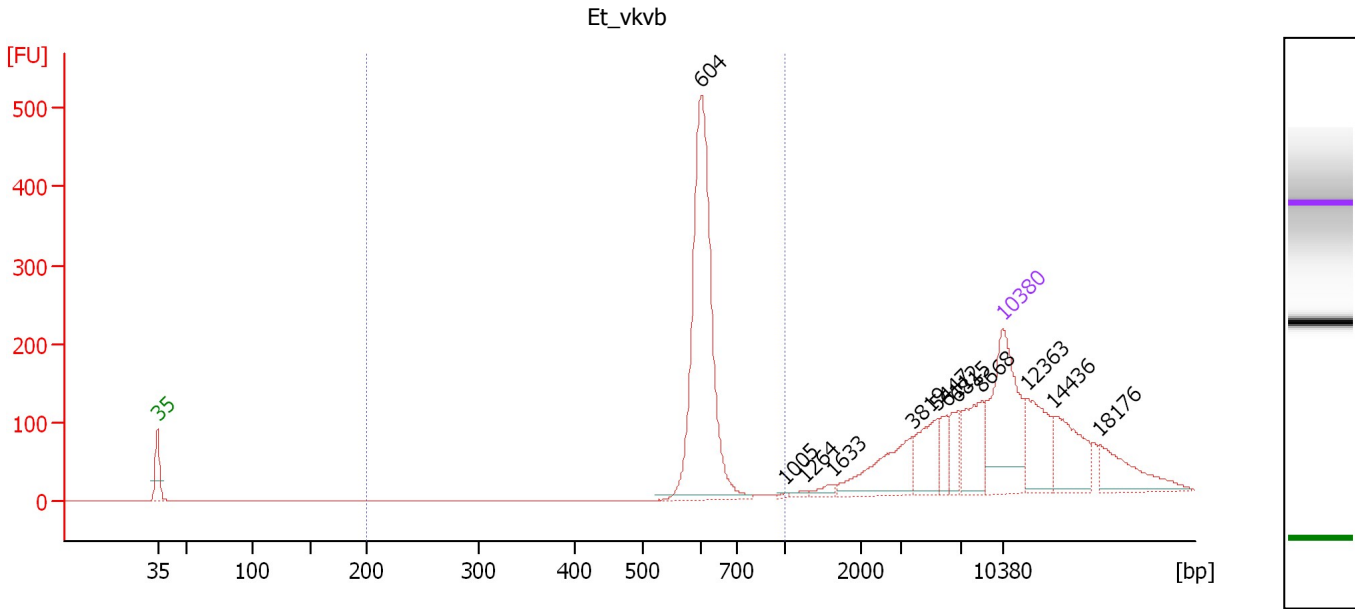
Papill soni

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/ μ l]	Molarity [pmol/l]	Color
200	1,000	1,884.6	75	427	39.2	2,585.00	11,228.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Sensitivity DNA Assay_DE13701086_2014-08-26_Papillsoni.xad

Created: 8/26/2014 9:43:50 AM
 Modified: 8/26/2014 12:32:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Et_vkvb

Number of peaks found: 12 Corr. Area 1: 1,052.7
 Noise: 0.1

Peak table for sample 2 : Et_vkvb

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	604	226.06	567.0	
3	1,005	0.93	1.4	
4	1,264	2.34	2.8	
5	1,633	4.70	4.4	
6	3,819	44.67	17.7	
7	5,447	29.69	8.3	
8	6,112	12.06	3.0	
9	6,815	14.96	3.3	
10	8,668	33.67	5.9	
11	10,380	75.00	10.9	Upper Marker
12	12,363	0.00	0.0	
13	14,436	0.00	0.0	
14	18,176	0.00	0.0	

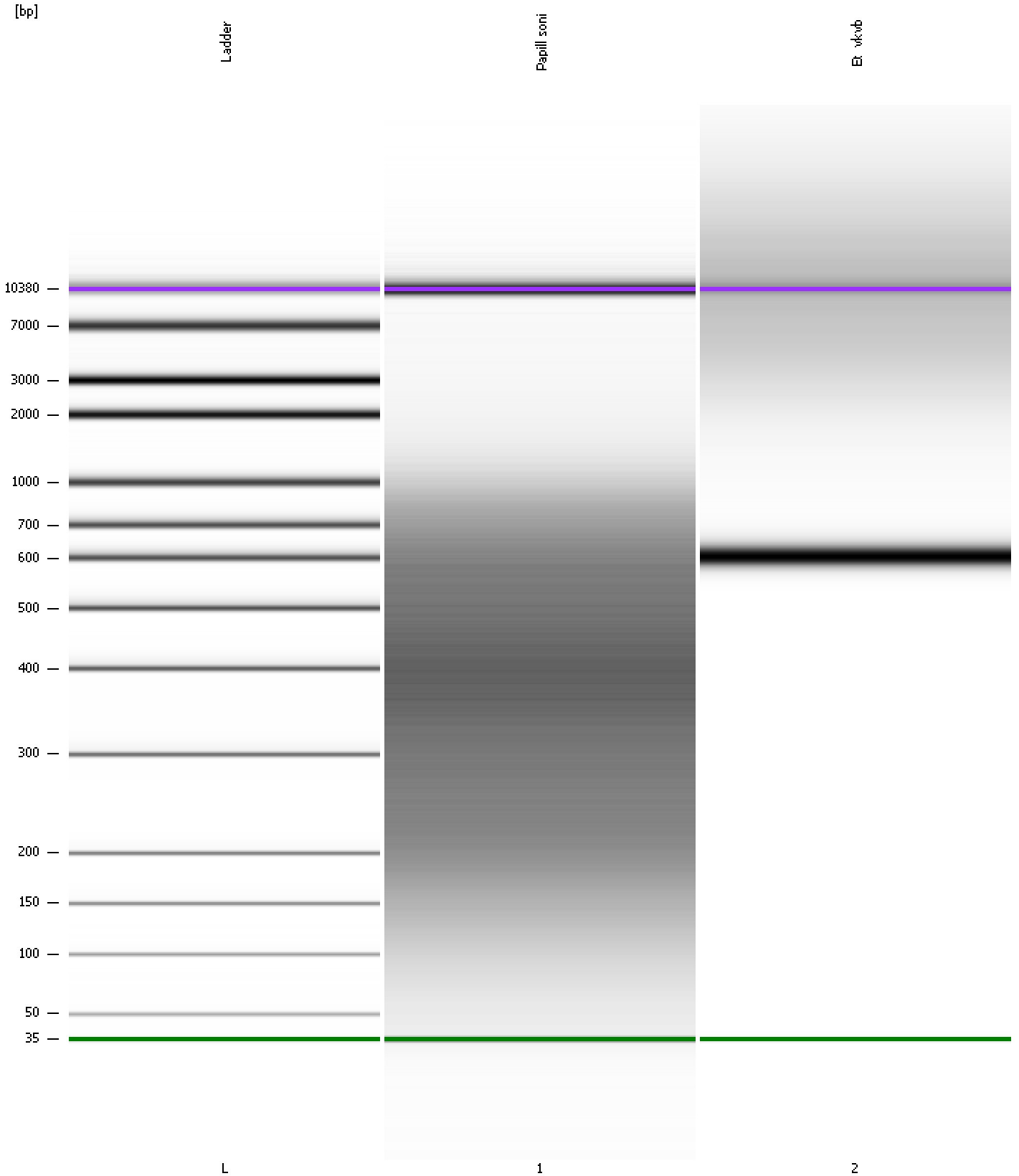
Region table for sample 2 : Et_vkvb

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,052.7	41	610	4.4	220.34	547.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... Sensitivity DNA Assay_DE13701086_2014-08-26_Papillsoni.xad

Created: 8/26/2014 9:43:50 AM
Modified: 8/26/2014 12:32:32 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... Sensitivity DNA Assay_DE13701086_2014-08-26_Papillsoni.xad

Created: 8/26/2014 9:43:50 AM
 Modified: 8/26/2014 12:32:32 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run aborted on port 1		Instrument	Run		8/26/2014 10:03:12 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\2014-08-26\2100 expert_High Sensitivity DNA Assay_DE13701086_2014-08-26_09-43-50.xad)		Instrument	Run		8/26/2014 9:43:56 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/26/2014 9:43:56 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/26/2014 9:43:56 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/26/2014 9:43:56 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/26/2014 9:43:56 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/26/2014 9:43:56 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/26/2014 9:43:56 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1