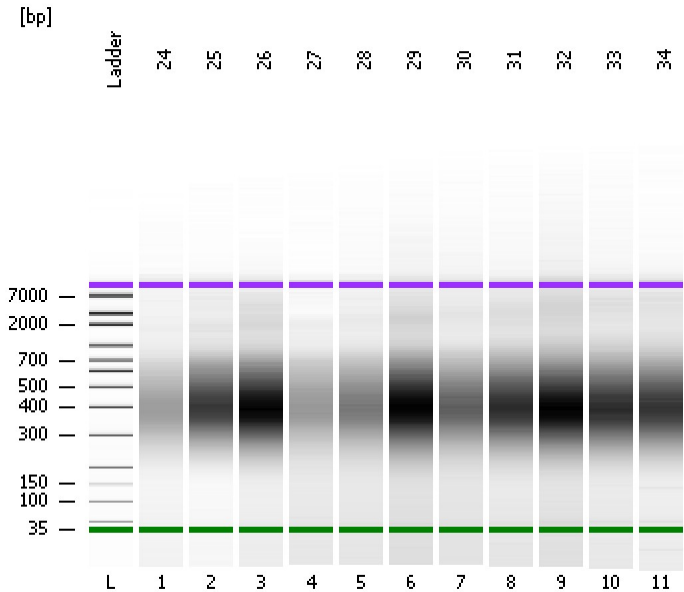


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 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:

24

25

26

27

28

29

30

31

32

33

34

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
24		<input type="checkbox"/>	✓			
25		<input type="checkbox"/>	✓			
26		<input type="checkbox"/>	✓			
27		<input type="checkbox"/>	✓			
28		<input type="checkbox"/>	✓			
29		<input type="checkbox"/>	✓			
30		<input type="checkbox"/>	✓			
31		<input type="checkbox"/>	✓			
32		<input type="checkbox"/>	✓			
33		<input type="checkbox"/>	✓			
34		<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\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 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\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary

Ladder



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary Continued ...

24



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary Continued ...

25



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary Continued ...

26



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary Continued ...

27



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary Continued ...

28



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary Continued ...

29



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary Continued ...

30



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary Continued ...

31



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary Continued ...

32



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary Continued ...

33



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Electropherogram Summary Continued ...

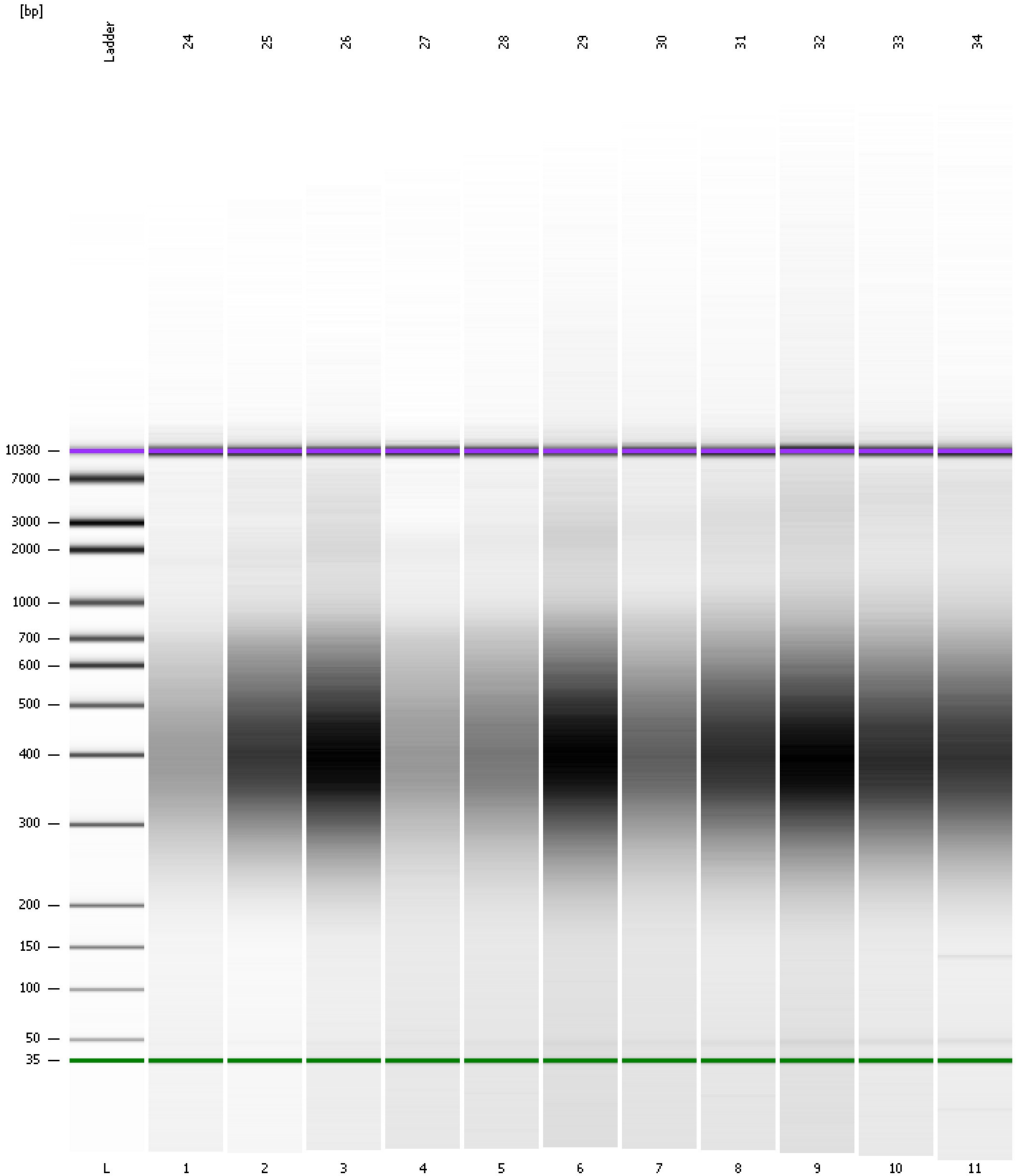
34



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
Modified: 8/25/2016 10:53:14 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-25\2016-08-25_001.xad

Created: 8/25/2016 10:11:54 AM
 Modified: 8/25/2016 10:53:14 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		8/25/2016 10:53:13 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\2016-08-25\2016-08-25_001.xad)		Instrument	Run		8/25/2016 10:12:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/25/2016 10:12:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/25/2016 10:12:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/25/2016 10:12:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/25/2016 10:12:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/25/2016 10:12:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/25/2016 10:12:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1