

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-11\2016-03-11_003.xad

Created: 3/11/2016 12:43:10 PM
Modified: 3/11/2016 1:46:17 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:

NR5KZ-01

NR5KZ-02

NR5KZ-03

NR5KZ-04

NR5KZ-05

IHM Teerapong3 BC

MB BS Lib1 3/7/16

TL Pol

TL His

LStud2 Run Mills Lab Amplicon QC

sample 11

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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
NR5KZ-01		<input type="checkbox"/>	✓			
NR5KZ-02		<input type="checkbox"/>	✓			
NR5KZ-03		<input type="checkbox"/>	✓			
NR5KZ-04		<input type="checkbox"/>	✓			
NR5KZ-05		<input type="checkbox"/>	✓			
IHM Teerapong3 BC		<input type="checkbox"/>	✓			
MB BS Lib1 3/7/16		<input type="checkbox"/>	✓			
TL Pol		<input type="checkbox"/>	✓			
TL His		<input type="checkbox"/>	✓			
LStud2 Run Mills Lab Amplicon QC		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

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Electropherogram Summary

Ladder



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Electropherogram Summary Continued ...

NR5KZ-01



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Electropherogram Summary Continued ...

NR5KZ-02



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Electropherogram Summary Continued ...

NR5KZ-03



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Electropherogram Summary Continued ...

NR5KZ-04



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Electropherogram Summary Continued ...

NR5KZ-05



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Electropherogram Summary Continued ...

IHM Teerapong3 BC



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Electropherogram Summary Continued ...

MB BS Lib1 3/7/16



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Electropherogram Summary Continued ...

TL Pol



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Electropherogram Summary Continued ...

TL His



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Electropherogram Summary Continued ...

LStud2 Run Mills Lab Amplicon QC



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Electropherogram Summary Continued ...

sample 11



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Gel Image

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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		3/11/2016 1:23:39 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-03-11\2016-03-11_003.xad)		Instrument	Run		3/11/2016 12:43:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/11/2016 12:43:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/11/2016 12:43:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/11/2016 12:43:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/11/2016 12:43:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/11/2016 12:43:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/11/2016 12:43:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1