

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-03-07_15-05-59.xad

Created: 3/7/2014 3:05:58 PM
Modified: 3/7/2014 3:47:21 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE04103186
Serial#: DE04103186

Firmware: C.01.069
Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

Assay Class: High Sensitivity DNA Assay

Version: 1.03

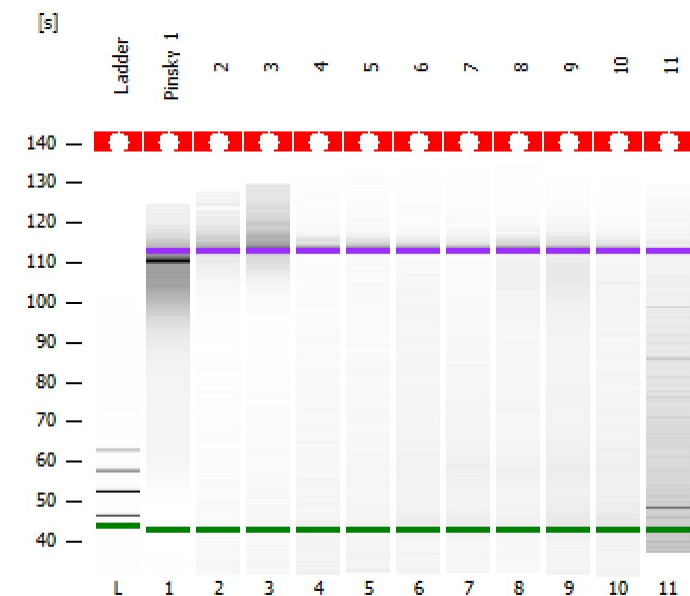
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #: RM12BK50

Reagent Kit Lot #:

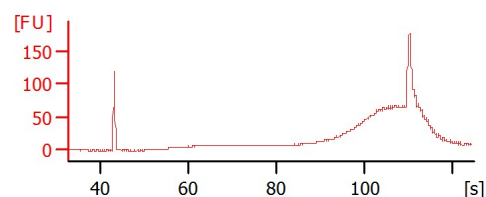
Chip Comments: Samples diluted to <1ng/ul



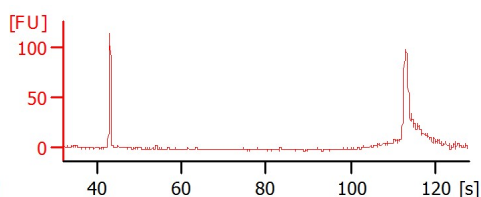
Pinsky 1

2

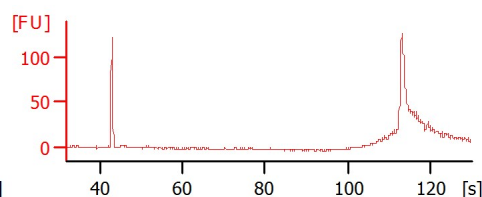
3



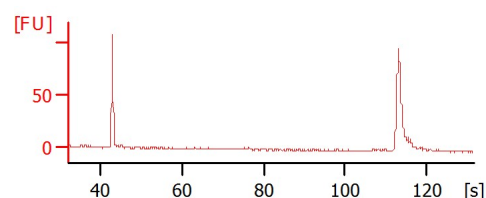
4



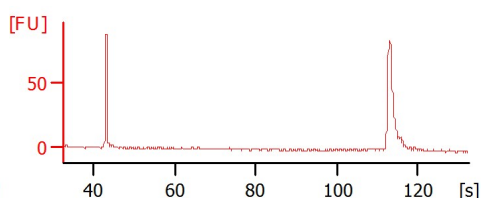
5



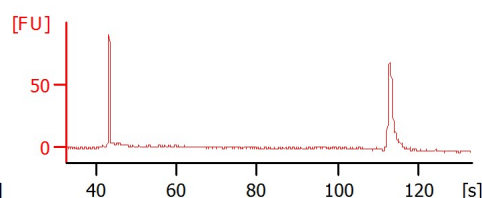
6



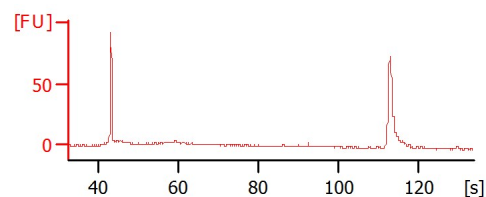
7



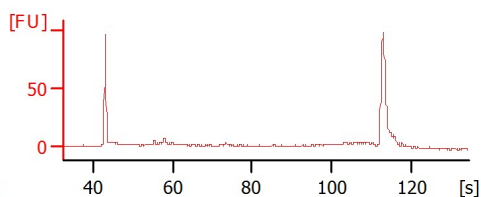
8



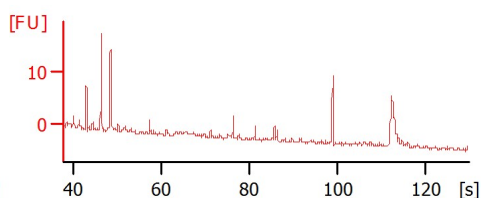
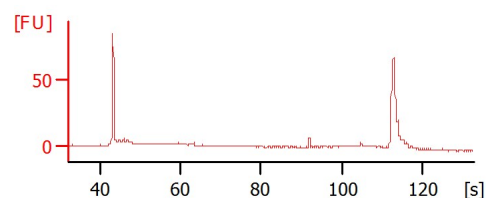
9



10



11



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Pinsky 1		<input type="checkbox"/>	✓			
2		<input type="checkbox"/>	✓			
3		<input type="checkbox"/>	✓			
4		<input type="checkbox"/>	✓			
5		<input type="checkbox"/>	✓			
6		<input type="checkbox"/>	✓			
7		<input type="checkbox"/>	✓			
8		<input type="checkbox"/>	✓			
9		<input type="checkbox"/>	✓			
10		<input type="checkbox"/>	✓			
11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

RM12BK50

Reagent Kit Lot #**Chip Comments :**

Samples diluted to <1ng/ul

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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/ 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

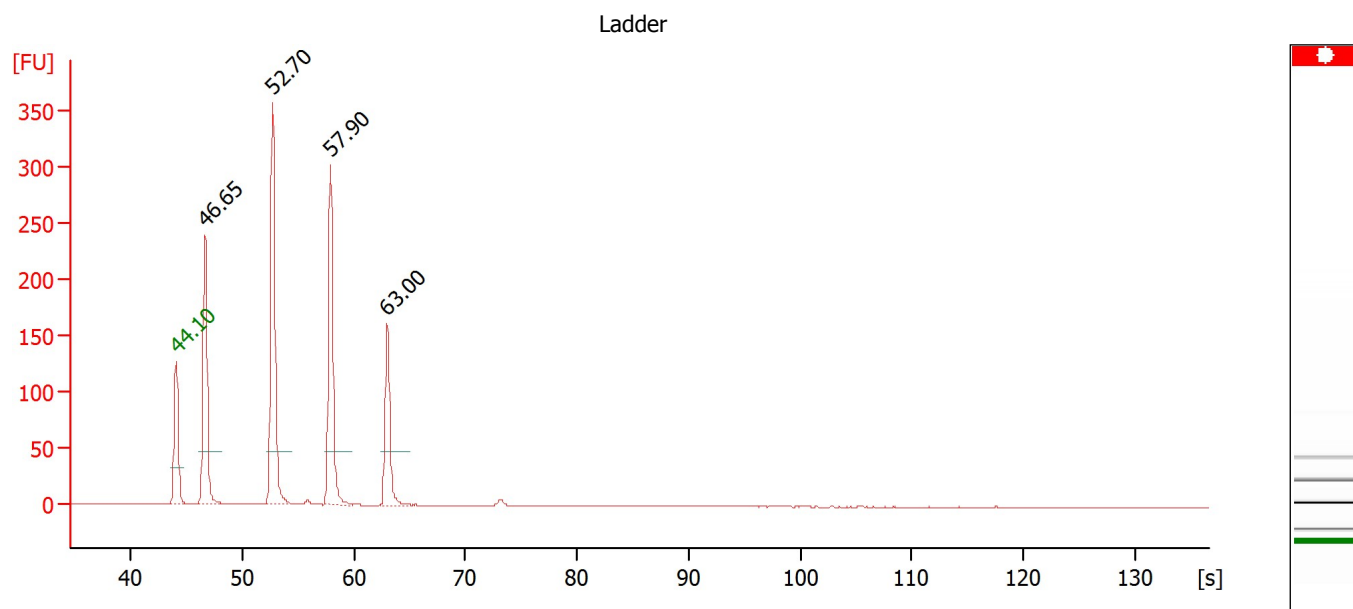
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

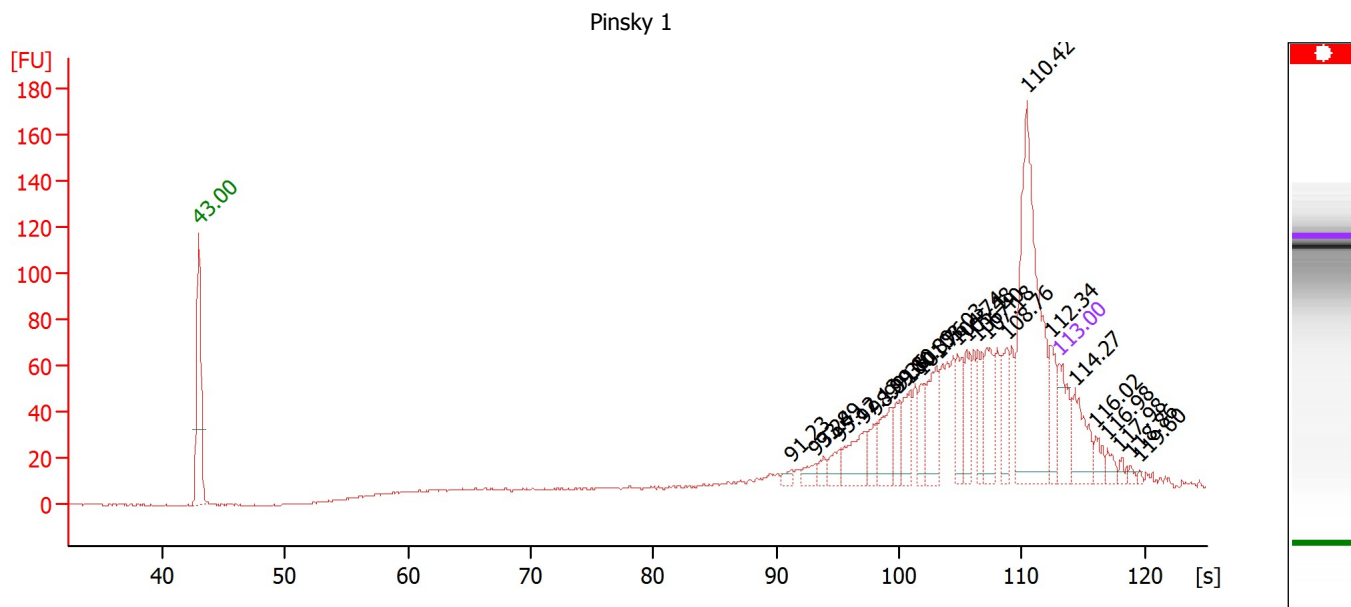
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Ladder Peak
3	0	0.00	0.0	Ladder Peak
4	0	0.00	0.0	Ladder Peak
5	0	0.00	0.0	Ladder Peak

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Electropherogram Summary Continued ...



Overall Results for sample 1 : Pinsky 1

Number of peaks found: 24

Noise: 0.3

Peak table for sample 1 : Pinsky 1

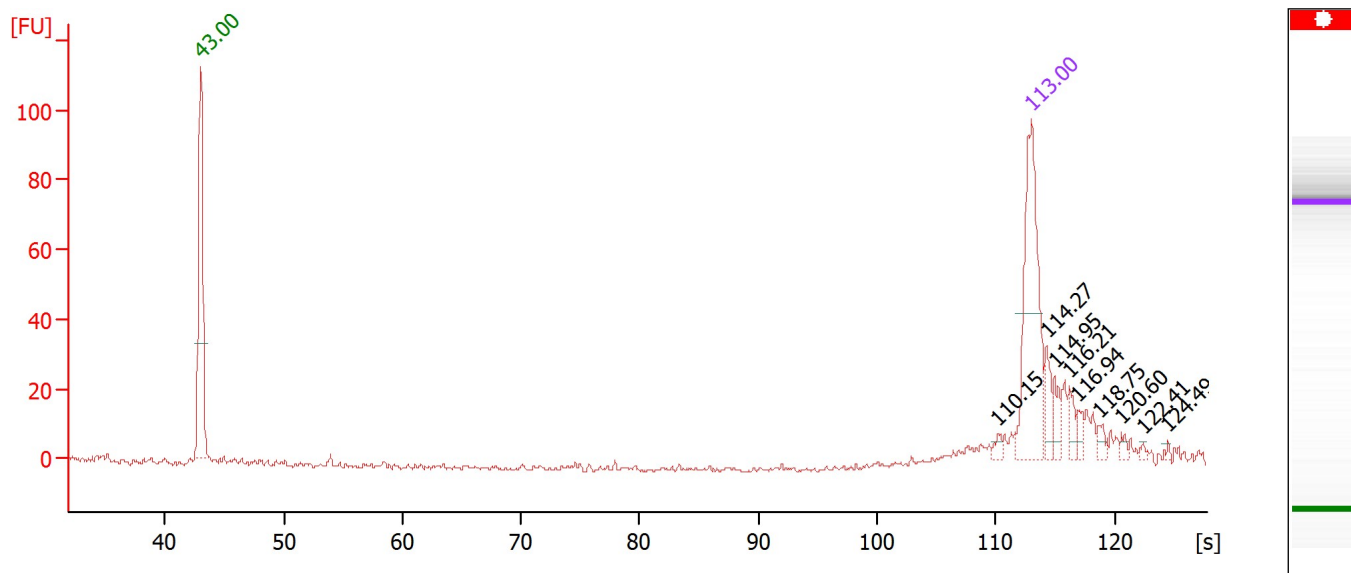
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	
18	0	0.00	0.0	
19	0	0.00	0.0	Upper Marker
20	0	0.00	0.0	
21	0	0.00	0.0	
22	0	0.00	0.0	
23	0	0.00	0.0	
24	0	0.00	0.0	
25	0	0.00	0.0	
26	0	0.00	0.0	

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Electropherogram Summary Continued ...

2

**Overall Results for sample 2 : 2**

Number of peaks found: 9

Noise: 0.7

Peak table for sample 2 : 2

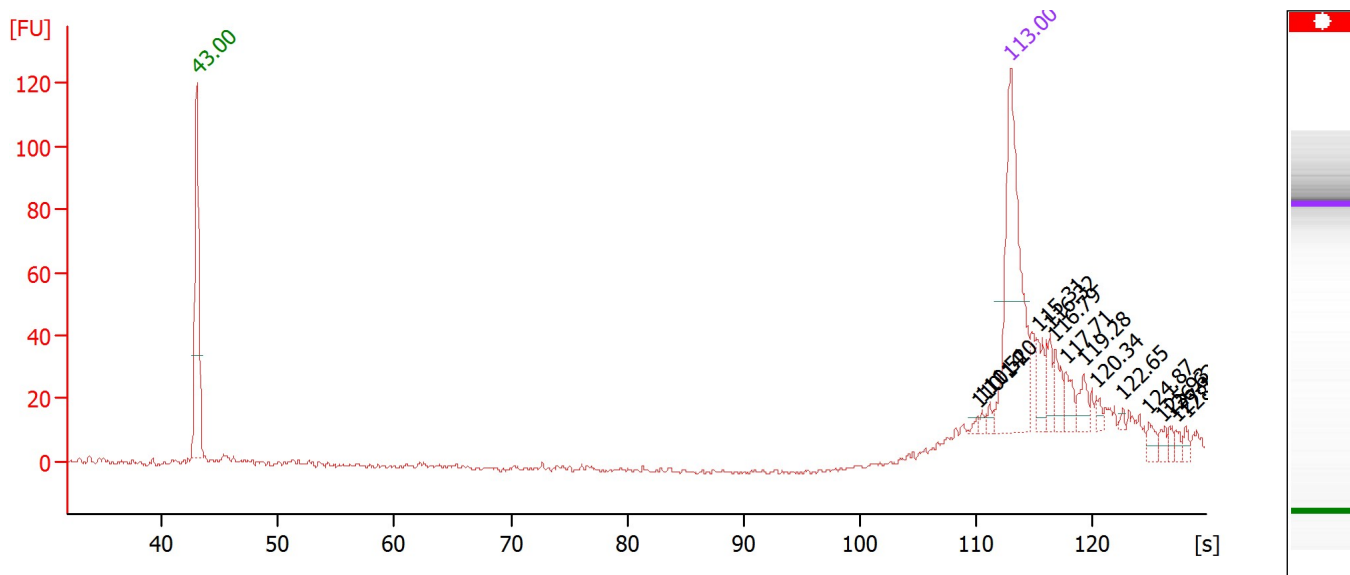
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	Upper Marker
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	

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Electropherogram Summary Continued ...

3



Overall Results for sample 3 : 3

Number of peaks found: 15

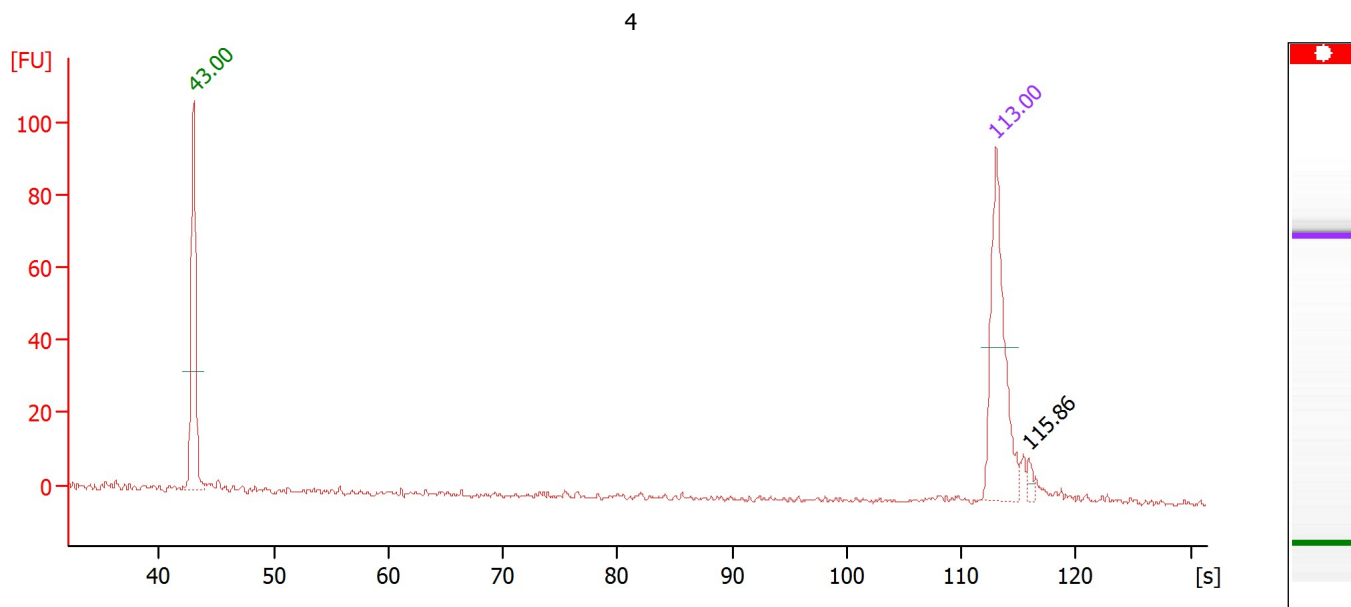
Noise: 0.7

Peak table for sample 3 : 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	Upper Marker
7	0	0.00	0.0	
8	0	0.00	0.0	
9	0	0.00	0.0	
10	0	0.00	0.0	
11	0	0.00	0.0	
12	0	0.00	0.0	
13	0	0.00	0.0	
14	0	0.00	0.0	
15	0	0.00	0.0	
16	0	0.00	0.0	
17	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-03-07_15-05-59.xad

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Electropherogram Summary Continued ...**Overall Results for sample 4 : 4**

Number of peaks found: 1

Noise: 0.5

Peak table for sample 4 : 4

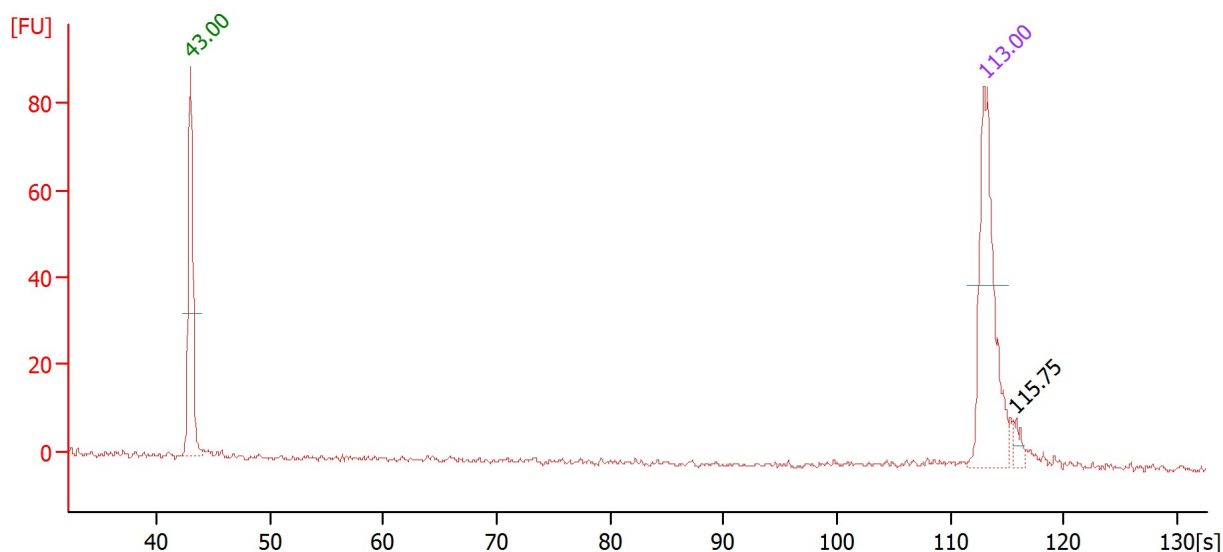
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Upper Marker
3	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-03-07_15-05-59.xad

Created: 3/7/2014 3:05:58 PM
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Electropherogram Summary Continued ...

5

**Overall Results for sample 5 : 5**

Number of peaks found: 1

Noise: 0.7

Peak table for sample 5 : 5

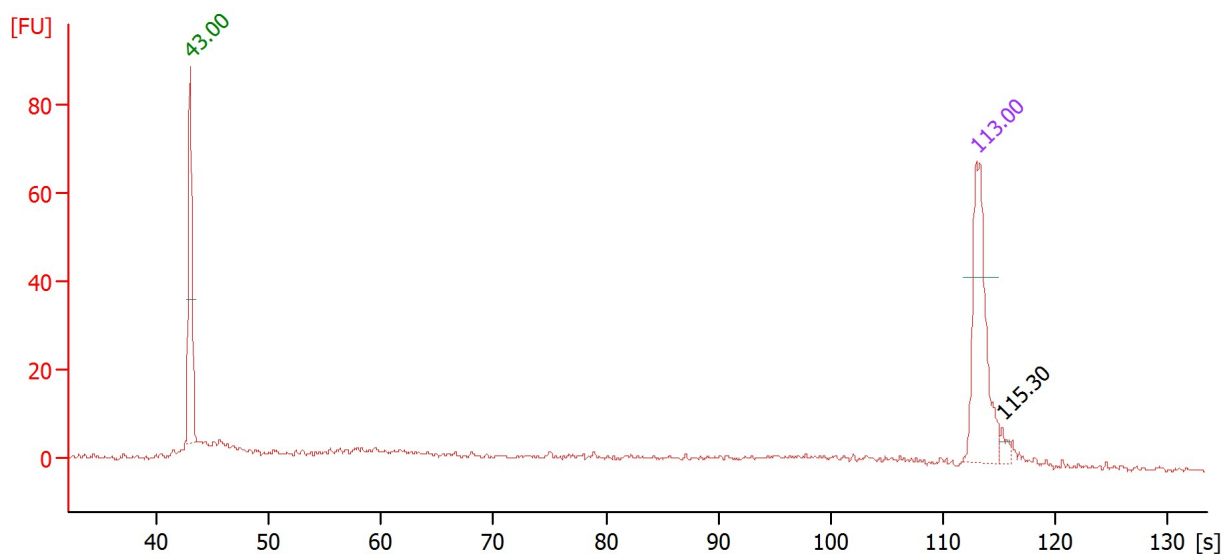
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Upper Marker
3	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-03-07_15-05-59.xad

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Electropherogram Summary Continued ...

6

**Overall Results for sample 6 : 6**

Number of peaks found: 1

Noise:

0.4

Peak table for sample 6 : 6

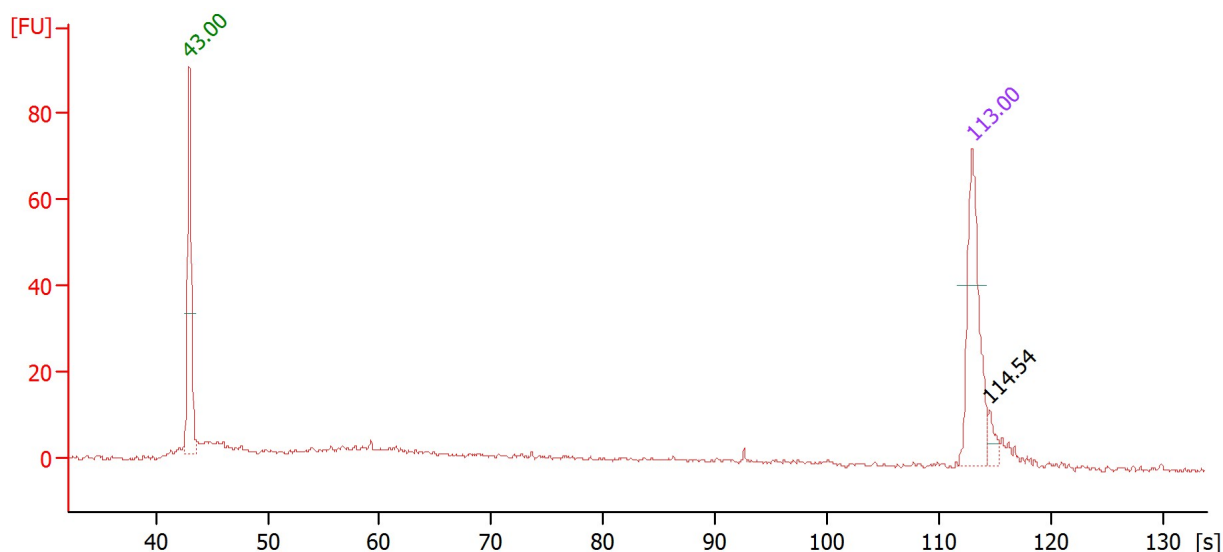
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Upper Marker
3	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-03-07_15-05-59.xad

Created: 3/7/2014 3:05:58 PM
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Electropherogram Summary Continued ...

7

**Overall Results for sample 7 : 7**

Number of peaks found: 1

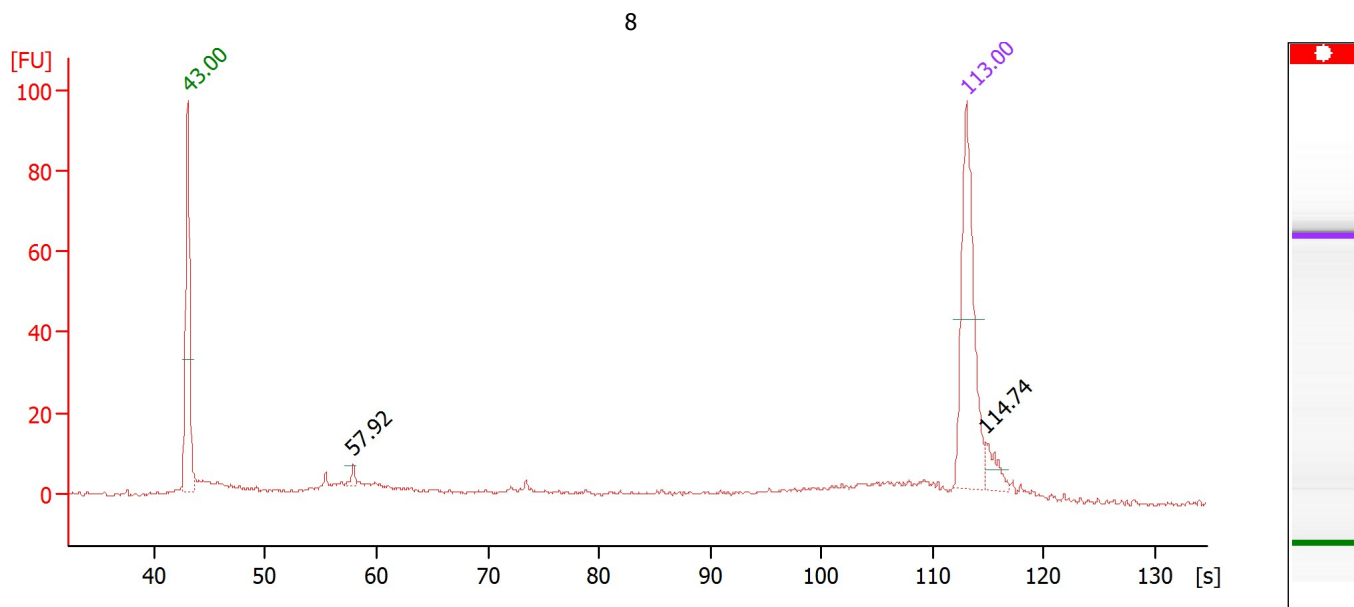
Noise: 0.3

Peak table for sample 7 : 7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Upper Marker
3	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-03-07_15-05-59.xad

Created: 3/7/2014 3:05:58 PM
Modified: 3/7/2014 3:47:21 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 8**

Number of peaks found: 2

Noise: 0.4

Peak table for sample 8 : 8

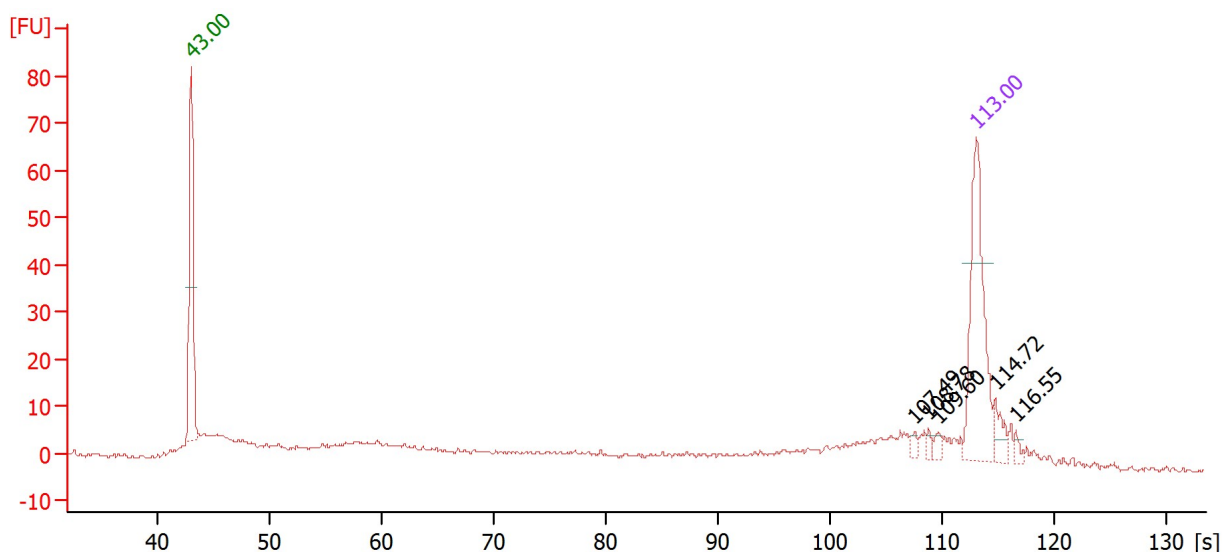
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	Upper Marker
4	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-03-07_15-05-59.xad

Created: 3/7/2014 3:05:58 PM
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Electropherogram Summary Continued ...

9

**Overall Results for sample 9 : 9**

Number of peaks found: 5

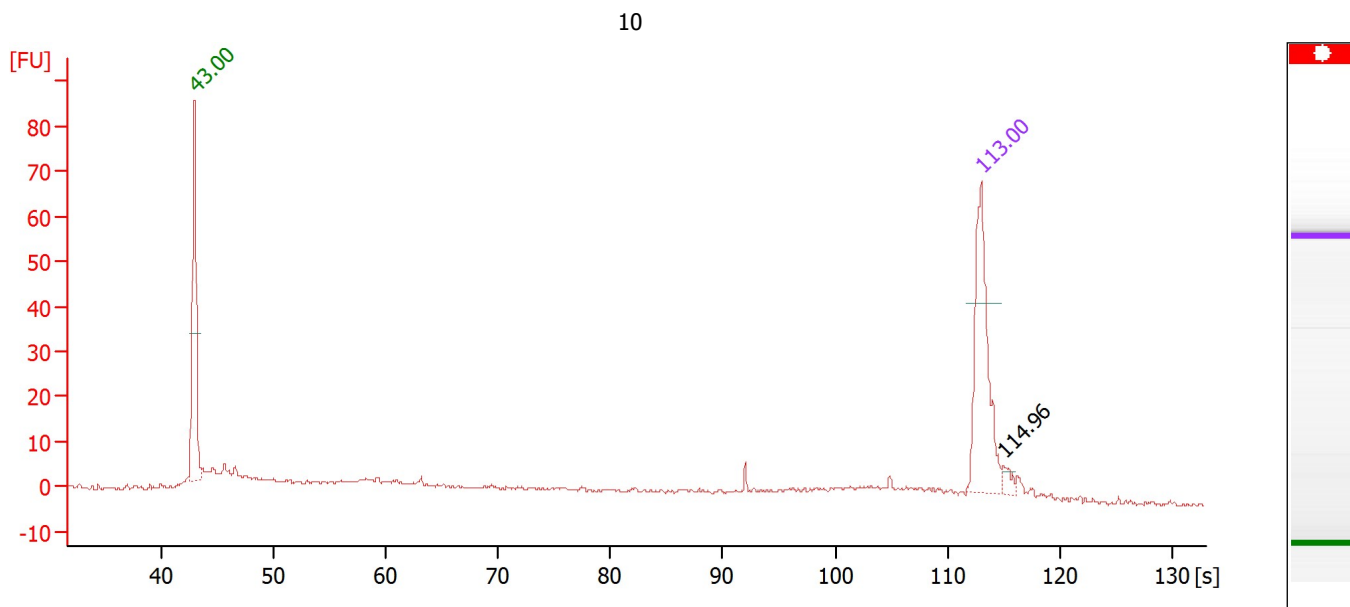
Noise: 0.4

Peak table for sample 9 : 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	Upper Marker
6	0	0.00	0.0	
7	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-03-07_15-05-59.xad

Created: 3/7/2014 3:05:58 PM
Modified: 3/7/2014 3:47:21 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 10**

Number of peaks found: 1

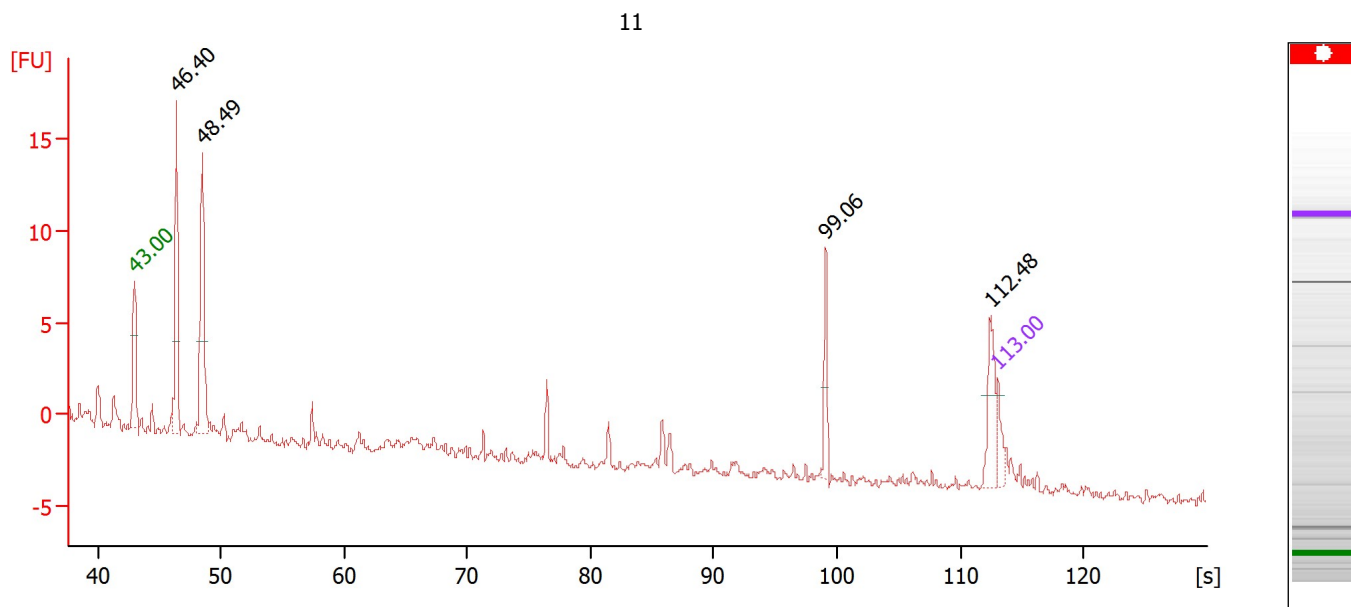
Noise: 0.4

Peak table for sample 10 : 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	Upper Marker
3	0	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-03-07_15-05-59.xad

Created: 3/7/2014 3:05:58 PM
Modified: 3/7/2014 3:47:21 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 11**

Number of peaks found: 4

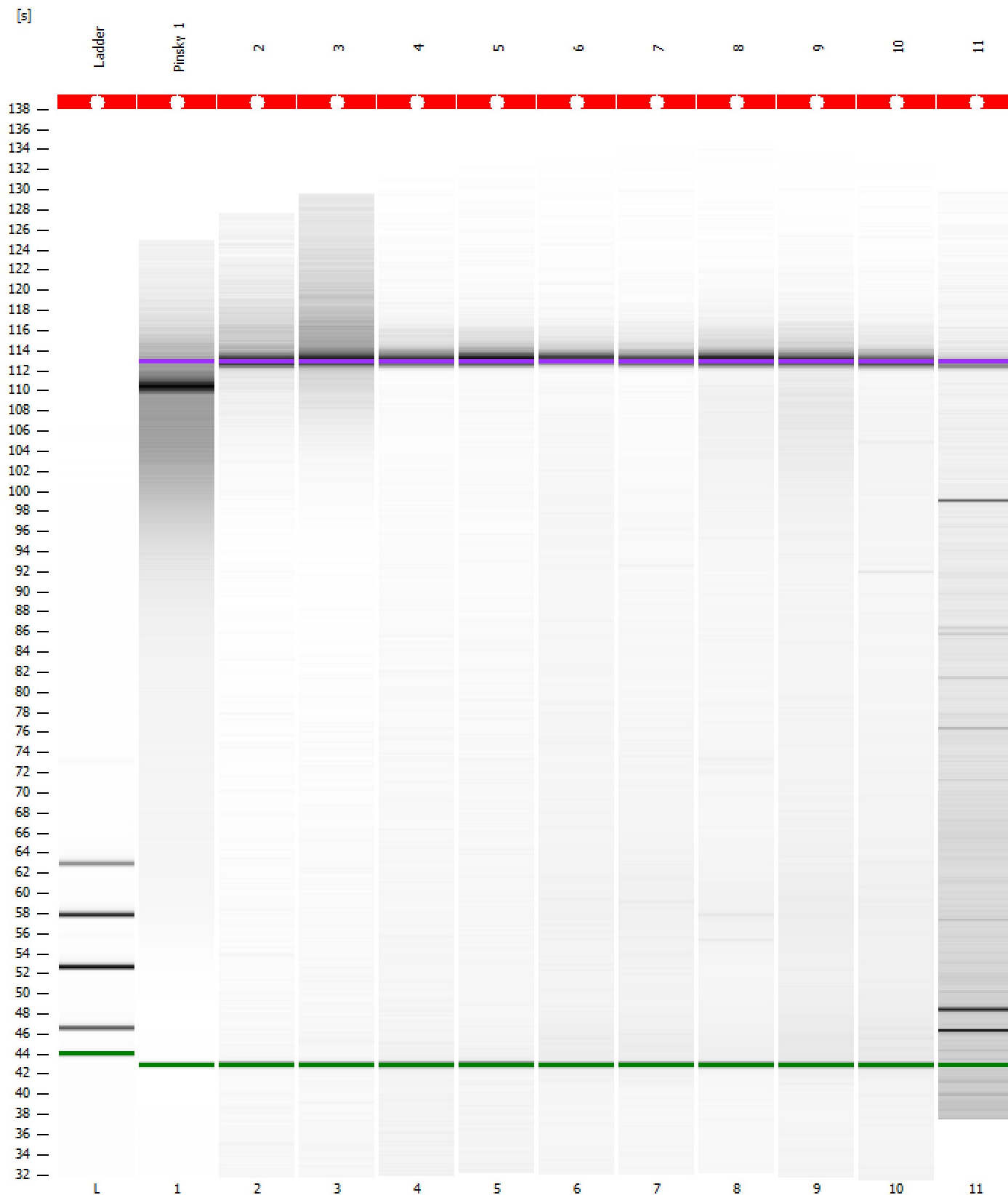
Noise: 0.3

Peak table for sample 11 : 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	Lower Marker
2	0	0.00	0.0	
3	0	0.00	0.0	
4	0	0.00	0.0	
5	0	0.00	0.0	
6	0	0.00	0.0	Upper Marker

Assay Class: High Sensitivity DNA Assay
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Created: 3/7/2014 3:05:58 PM
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Gel Image

Assay Class: High Sensitivity DNA Assay Created: 3/7/2014 3:05:58 PM
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-03-07_15-05-59.xad Modified: 3/7/2014 3:47:21 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 4 (Number of wells acquired: 12)		Instrument	Run		3/7/2014 3:47:19 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Run started on port 4 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2014-03-07\2100 expert_High Sensitivity DNA Assay_DE04103186_2014-03-07_15-05-59.xad)		Instrument	Run		3/7/2014 3:06:04 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Product Number : G2939A		Instrument	Run		3/7/2014 3:06:04 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Name :		Instrument	Run		3/7/2014 3:06:04 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Vendor : Agilent Technologies		Instrument	Run		3/7/2014 3:06:04 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Serial# : DE04103186		Instrument	Run		3/7/2014 3:06:04 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Firmware : C.01.069		Instrument	Run		3/7/2014 3:06:04 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Cartridge : Electrode		Instrument	Run		3/7/2014 3:06:04 PM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP