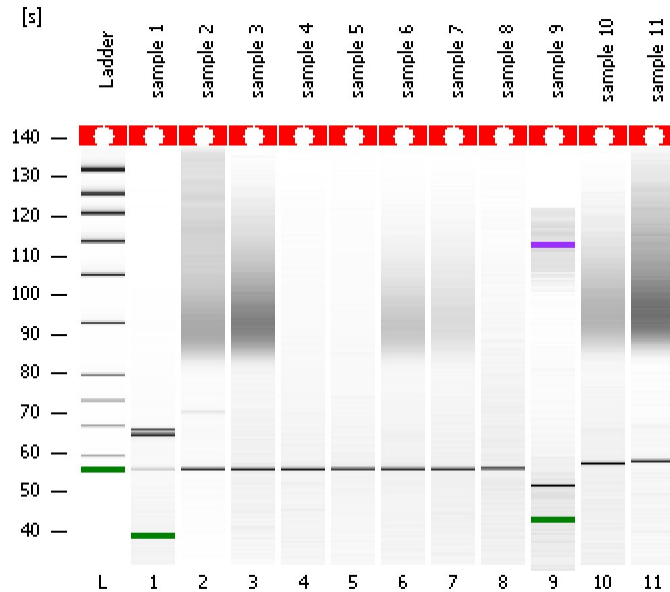


Assay Class: High Sensitivity DNA Assay
Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
Modified: 12/8/2014 12:50:50 PM

Electrophoresis File Run Summary



Instrument Information:

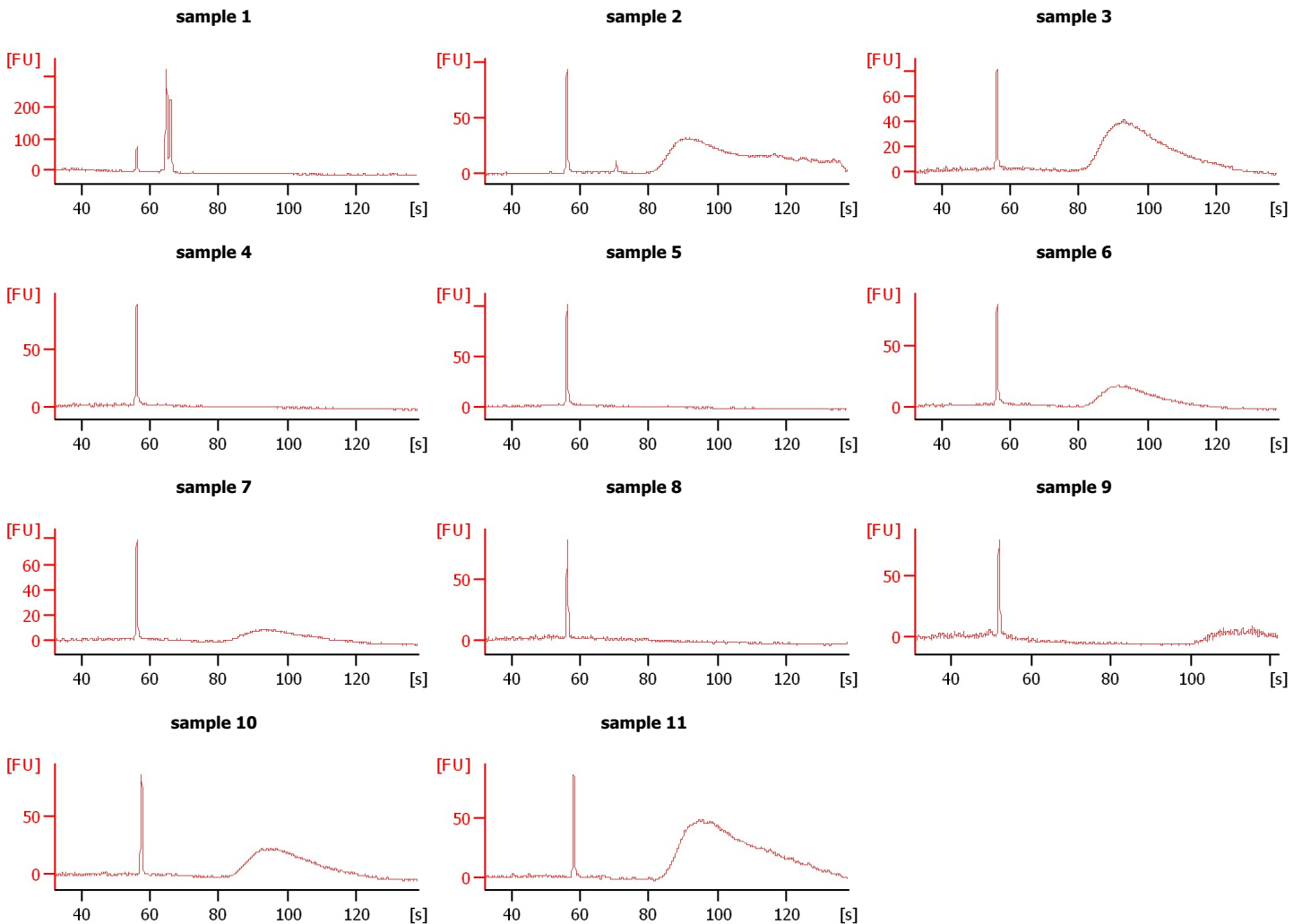
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
Modified: 12/8/2014 12:50:50 PM

Electrophoresis File Run Summary (Chip Summary)

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

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
Modified: 12/8/2014 12:50:50 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

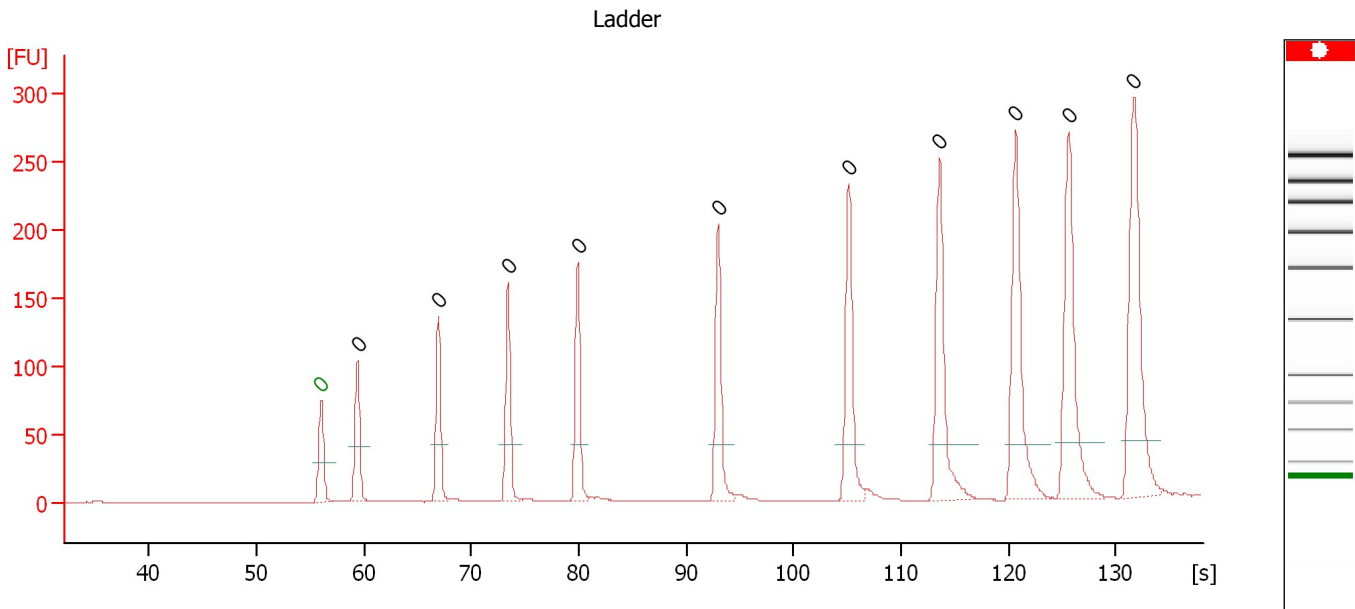
Ladder

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:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
 Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

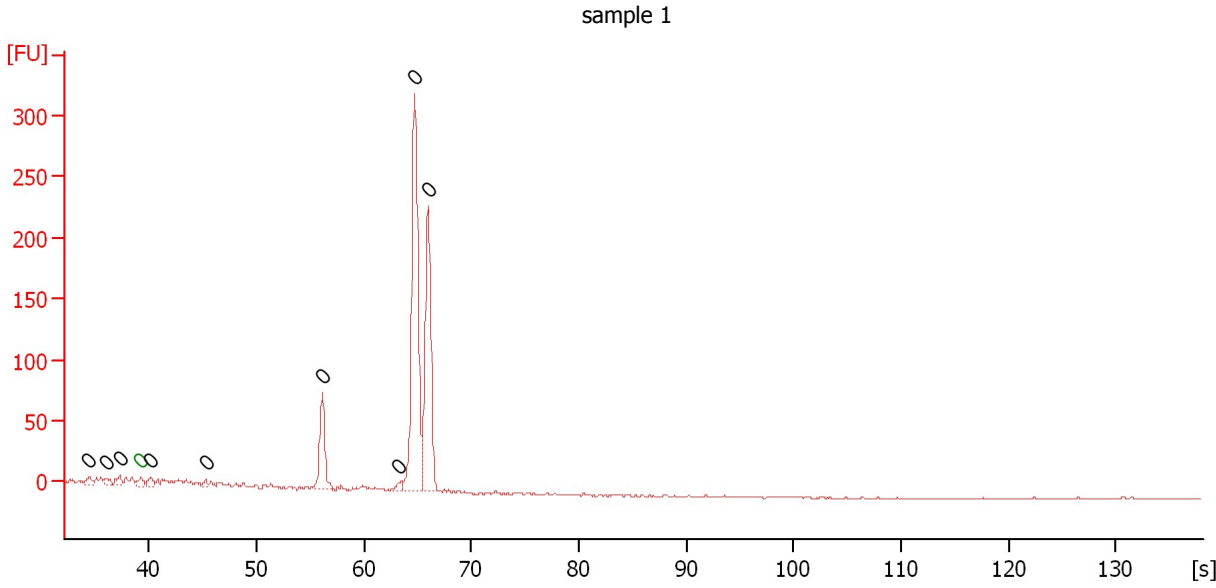
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	56.00
2	0	0.00	0.0	Ladder Peak	59.40
3	0	0.00	0.0	Ladder Peak	66.95
4	0	0.00	0.0	Ladder Peak	73.40
5	0	0.00	0.0	Ladder Peak	79.90
6	0	0.00	0.0	Ladder Peak	93.00
7	0	0.00	0.0	Ladder Peak	105.15
8	0	0.00	0.0	Ladder Peak	113.60
9	0	0.00	0.0	Ladder Peak	120.70
10	0	0.00	0.0	Ladder Peak	125.60
11	0	0.00	0.0	Ladder Peak	131.70

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
 Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : sample 1

Number of peaks found: 9 Noise: 0.4

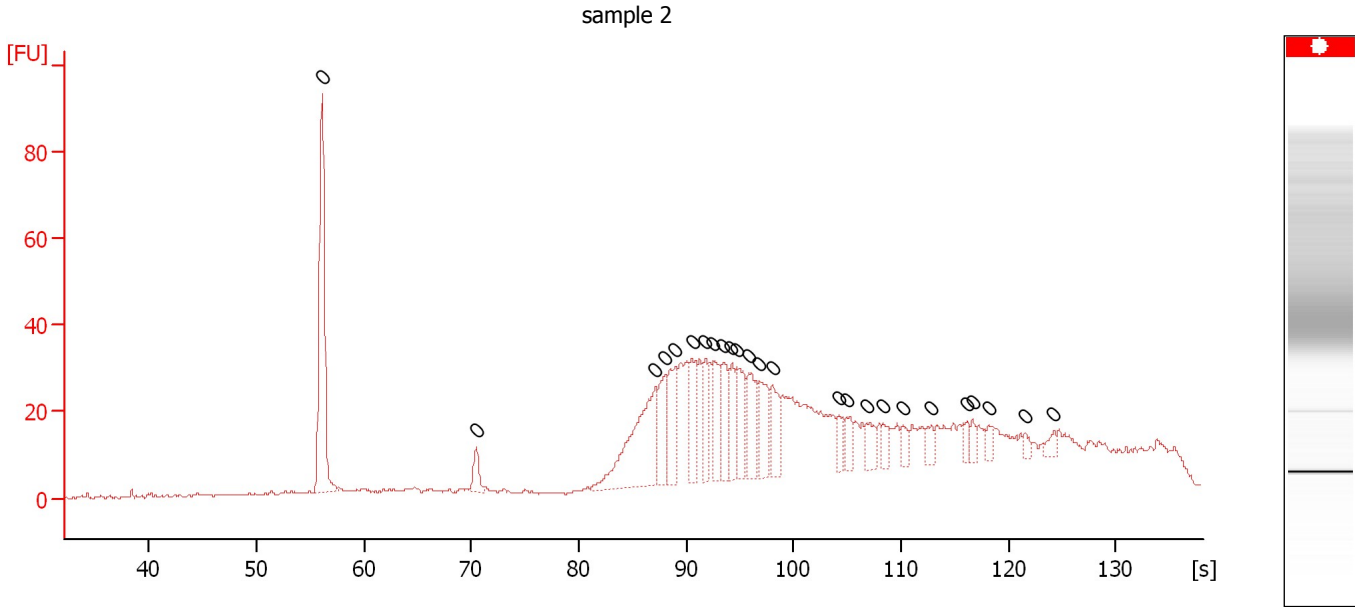
Peak table for sample 1 : sample 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		34.40
2	0	0.00	0.0		36.00
3	0	0.00	0.0		37.25
4	0	0.00	0.0	Lower Marker	39.25
5	0	0.00	0.0		40.10
6	0	0.00	0.0		45.25
7	0	0.00	0.0		56.10
8	0	0.00	0.0		63.20
9	0	0.00	0.0		64.75
10	0	0.00	0.0		66.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
 Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 0 Noise: 0.3

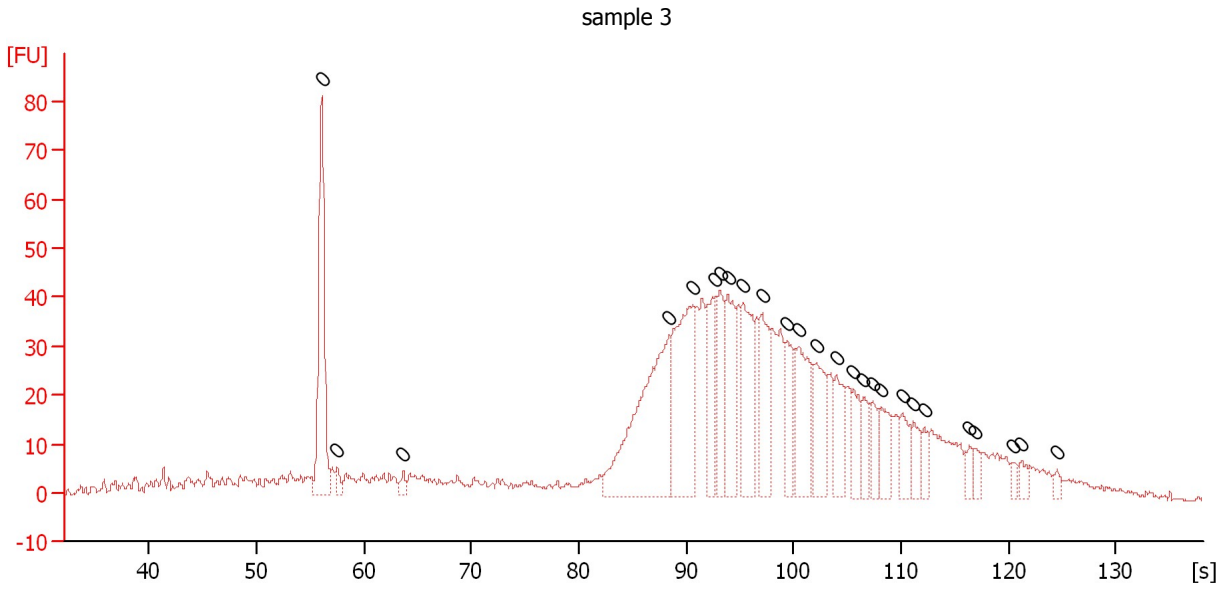
Peak table for sample 2 : sample 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		56.10
2	0	0.00	0.0		70.45
3	0	0.00	0.0		87.15
4	0	0.00	0.0		88.10
5	0	0.00	0.0		88.95
6	0	0.00	0.0		90.55
7	0	0.00	0.0		91.80
8	0	0.00	0.0		92.55
9	0	0.00	0.0		93.45
10	0	0.00	0.0		94.25
11	0	0.00	0.0		94.70
12	0	0.00	0.0		95.85
13	0	0.00	0.0		96.85
14	0	0.00	0.0		98.05
15	0	0.00	0.0		104.25
16	0	0.00	0.0		104.95
17	0	0.00	0.0		106.80
18	0	0.00	0.0		108.30
19	0	0.00	0.0		110.15
20	0	0.00	0.0		112.85
21	0	0.00	0.0		116.15
22	0	0.00	0.0		116.70
23	0	0.00	0.0		118.15
24	0	0.00	0.0		121.50
25	0	0.00	0.0		124.20

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
 Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3

Number of peaks found: 0 Noise: 0.4

Peak table for sample 3 : sample 3

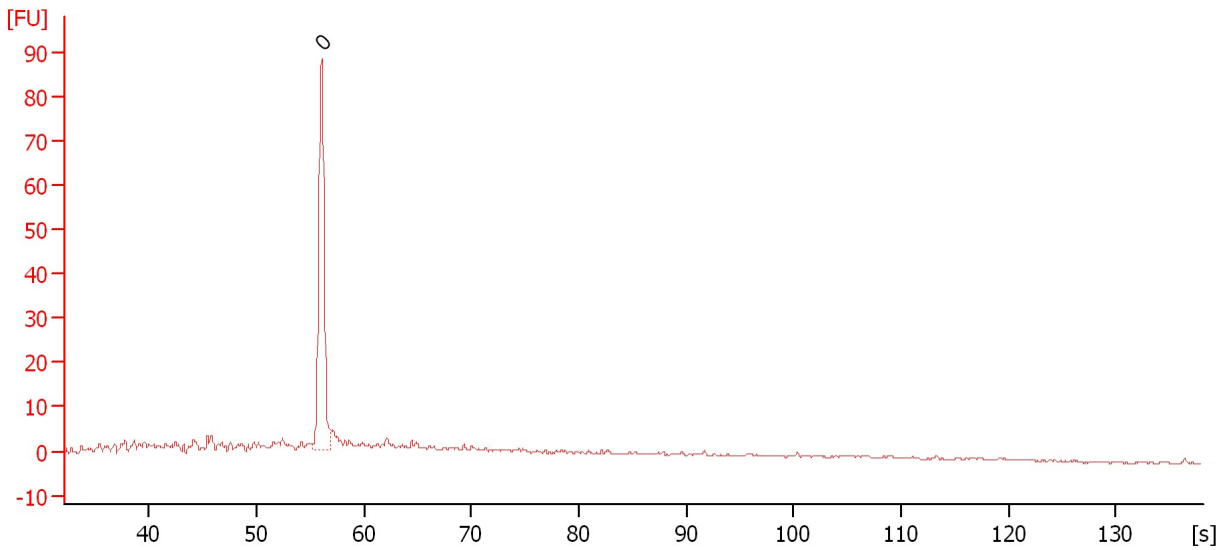
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		56.05
2	0	0.00	0.0		57.45
3	0	0.00	0.0		63.65
4	0	0.00	0.0		88.45
5	0	0.00	0.0		90.65
6	0	0.00	0.0		92.75
7	0	0.00	0.0		93.15
8	0	0.00	0.0		93.90
9	0	0.00	0.0		95.30
10	0	0.00	0.0		97.10
11	0	0.00	0.0		99.35
12	0	0.00	0.0		100.55
13	0	0.00	0.0		102.20
14	0	0.00	0.0		104.00
15	0	0.00	0.0		105.60
16	0	0.00	0.0		106.50
17	0	0.00	0.0		107.35
18	0	0.00	0.0		108.20
19	0	0.00	0.0		110.10
20	0	0.00	0.0		111.15
21	0	0.00	0.0		112.15
22	0	0.00	0.0		116.35
23	0	0.00	0.0		116.90
24	0	0.00	0.0		120.45
25	0	0.00	0.0		121.25
26	0	0.00	0.0		124.50

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...

sample 4



Overall Results for sample 4 : sample 4

Number of peaks found: 0 Noise: 0.3

Peak table for sample 4 : sample 4

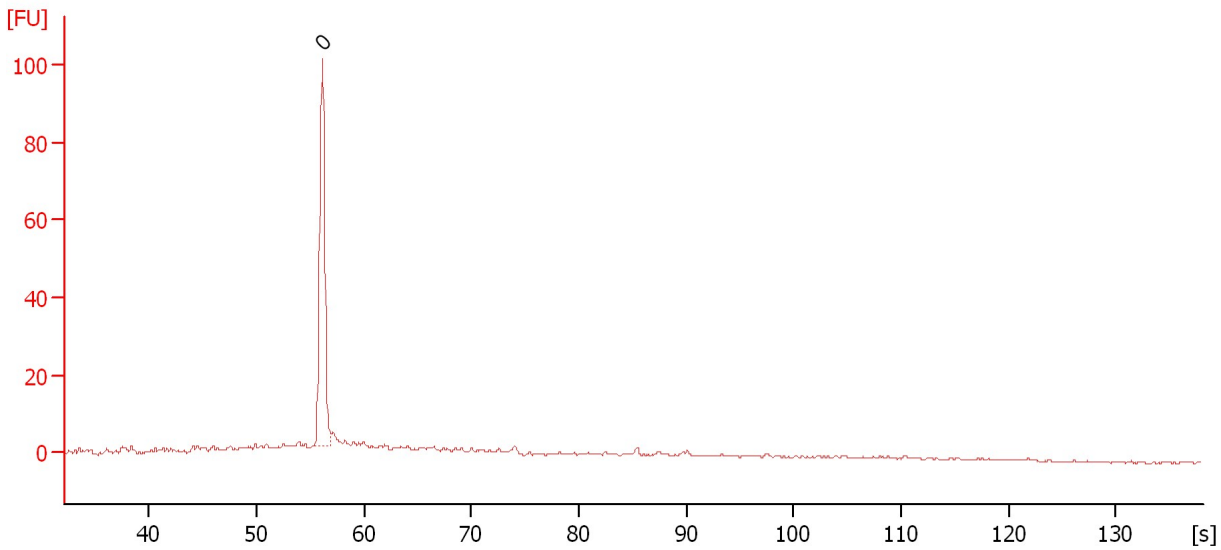
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		56.05

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...

sample 5



Overall Results for sample 5 : sample 5

Number of peaks found: 0 Noise: 0.2

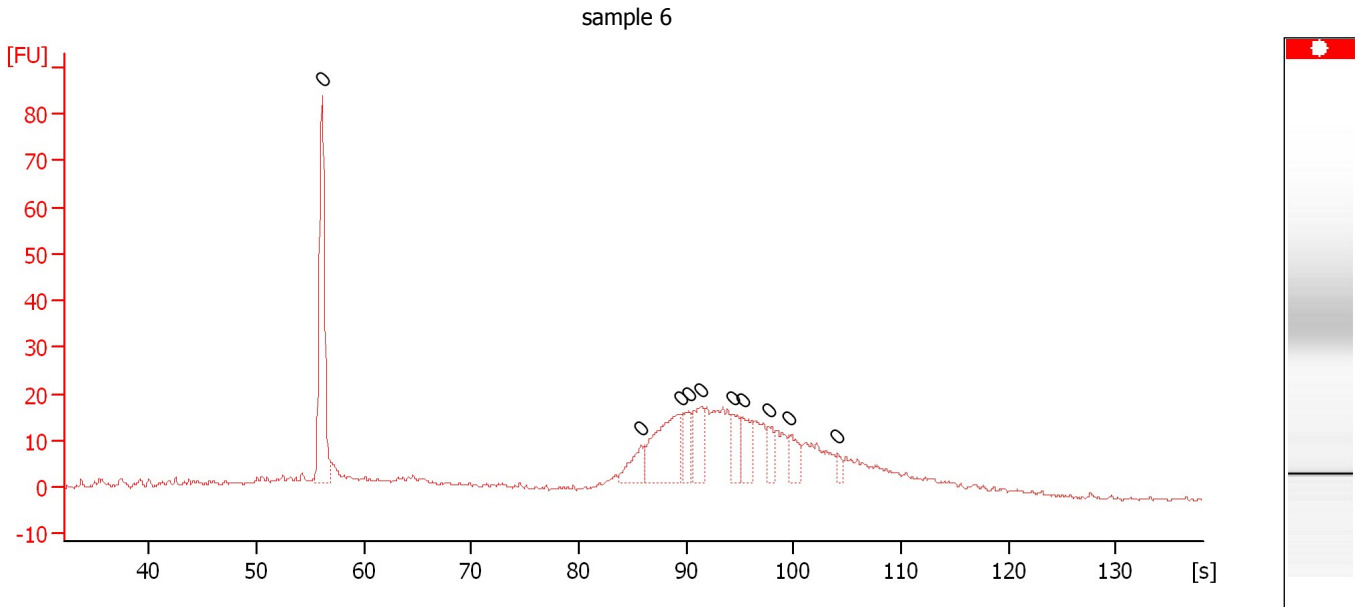
Peak table for sample 5 : sample 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		56.10

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
 Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

Number of peaks found: 0 Noise: 0.4

Peak table for sample 6 : sample 6

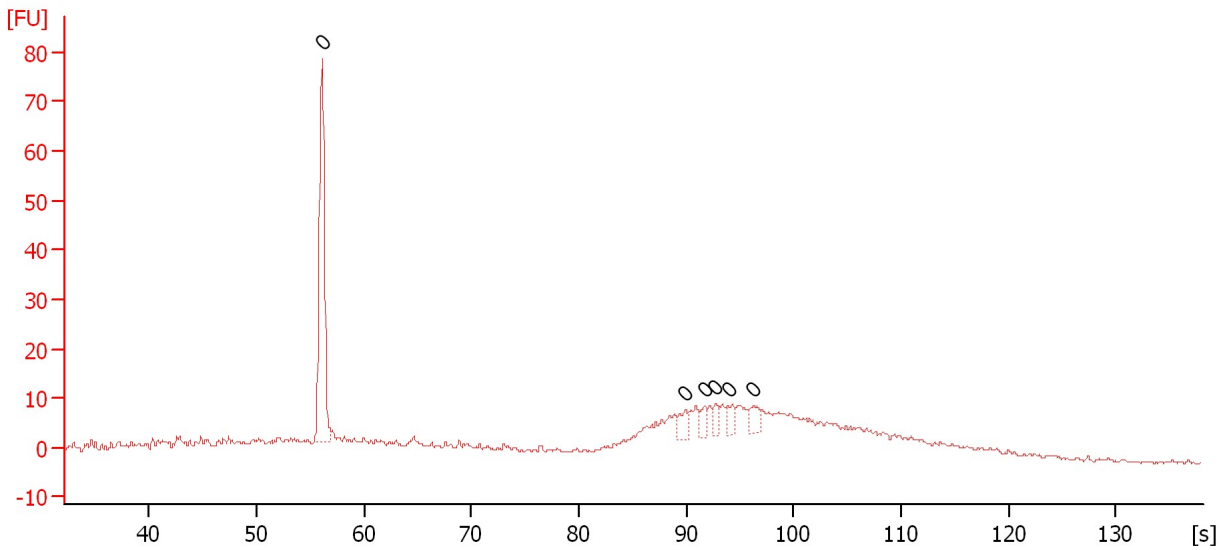
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		56.10
2	0	0.00	0.0		85.85
3	0	0.00	0.0		89.50
4	0	0.00	0.0		90.25
5	0	0.00	0.0		91.40
6	0	0.00	0.0		94.35
7	0	0.00	0.0		95.25
8	0	0.00	0.0		97.70
9	0	0.00	0.0		99.55
10	0	0.00	0.0		104.10

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...

sample 7



Overall Results for sample 7 : sample 7

Number of peaks found: 0 Noise: 0.4

Peak table for sample 7 : sample 7

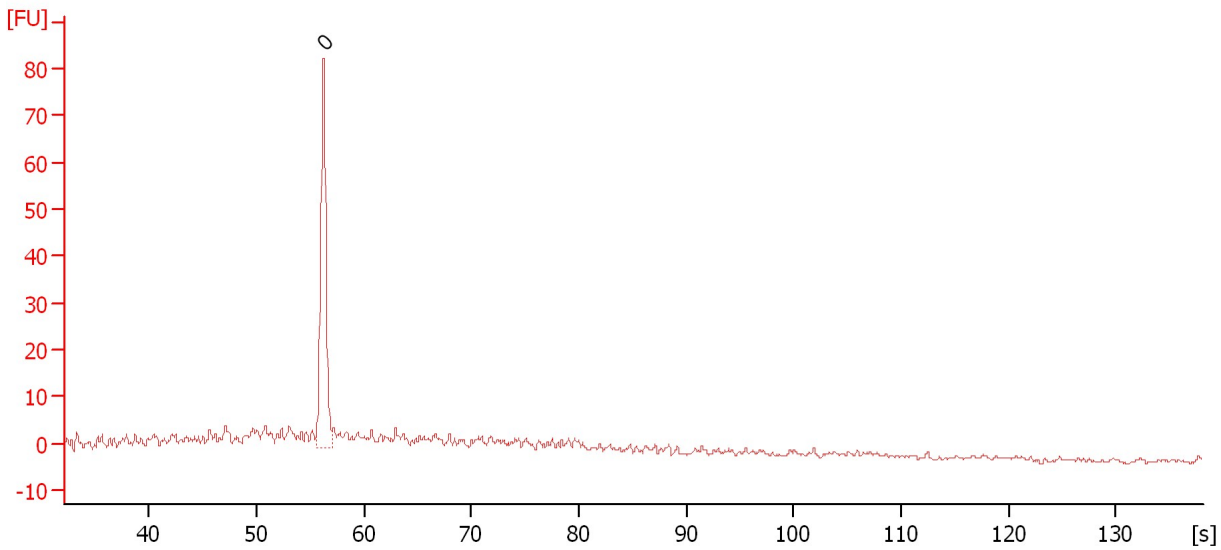
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		56.10
2	0	0.00	0.0		89.95
3	0	0.00	0.0		91.70
4	0	0.00	0.0		92.70
5	0	0.00	0.0		93.90
6	0	0.00	0.0		96.30

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...

sample 8



Overall Results for sample 8 : sample 8

Number of peaks found: 0 Noise: 0.4

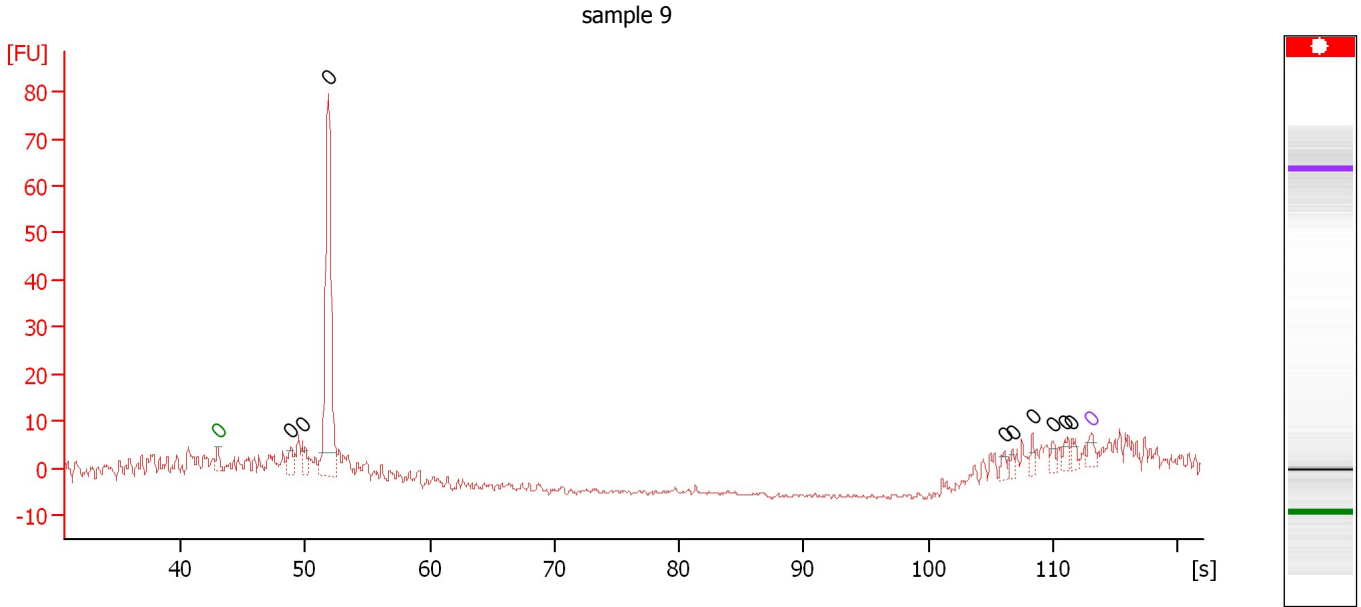
Peak table for sample 8 : sample 8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		56.25

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
 Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 9 Noise: 0.4

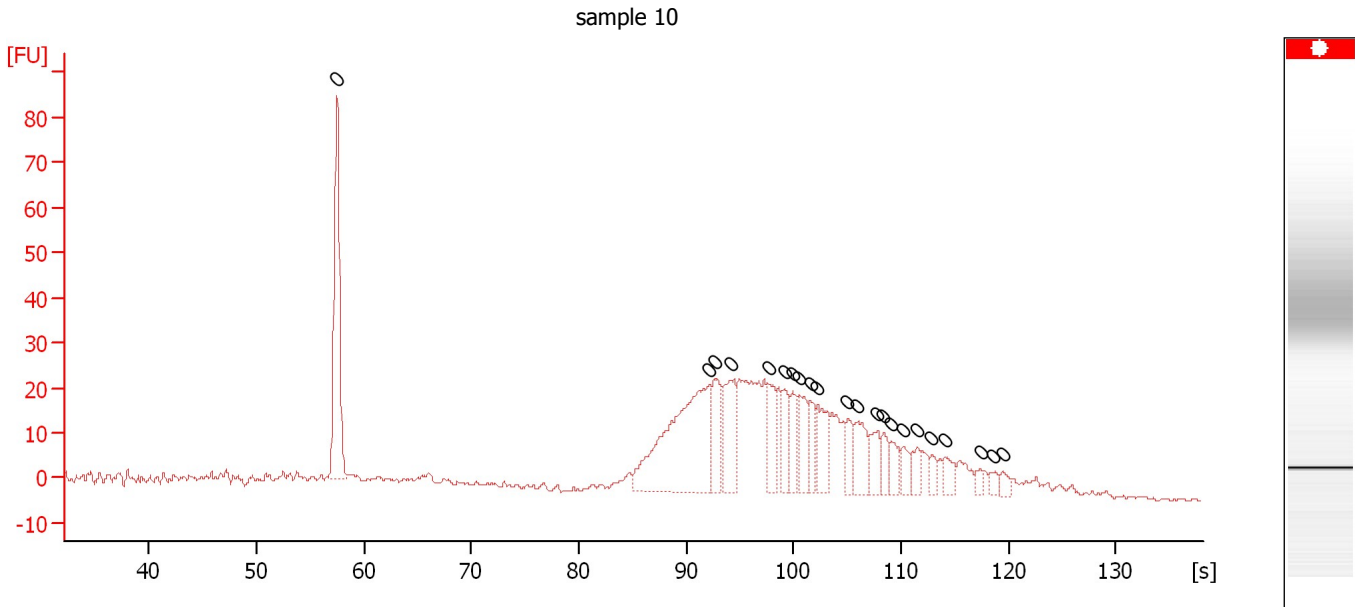
Peak table for sample 9 : sample 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		48.86
3	0	0.00	0.0		49.76
4	0	0.00	0.0		51.87
5	0	0.00	0.0		106.06
6	0	0.00	0.0		106.75
7	0	0.00	0.0		108.35
8	0	0.00	0.0		109.94
9	0	0.00	0.0		110.93
10	0	0.00	0.0		111.49
11	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
 Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 0 Noise: 0.5

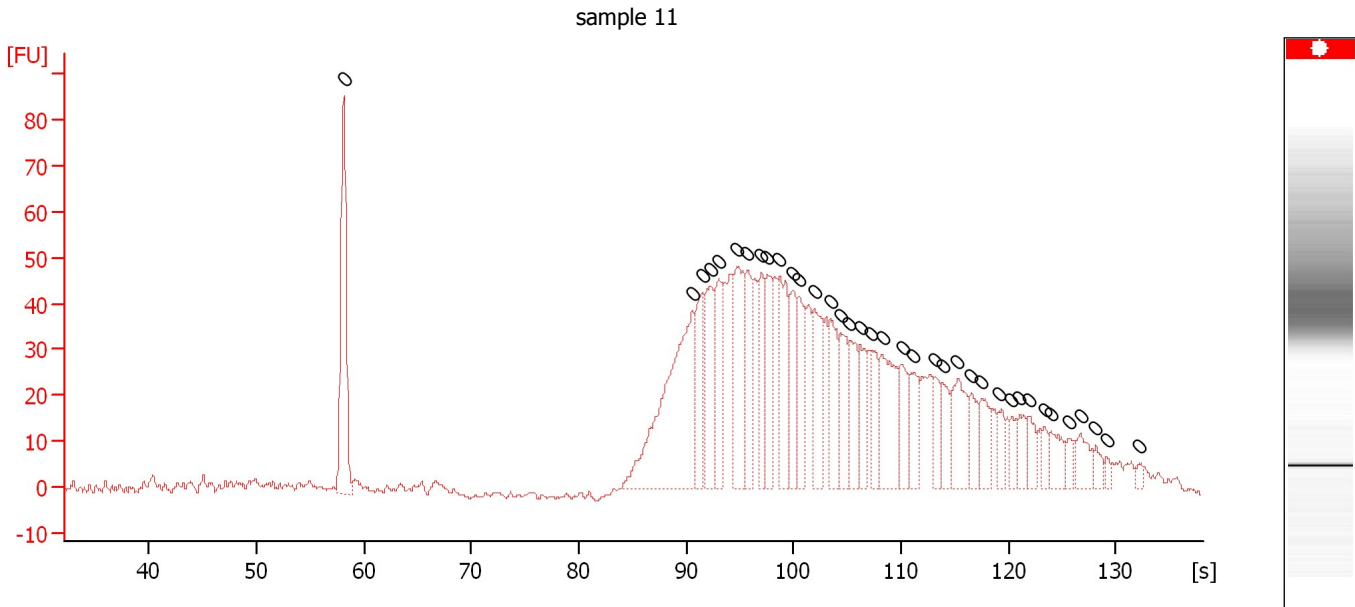
Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		57.50
2	0	0.00	0.0		92.15
3	0	0.00	0.0		92.60
4	0	0.00	0.0		94.10
5	0	0.00	0.0		97.65
6	0	0.00	0.0		99.20
7	0	0.00	0.0		99.90
8	0	0.00	0.0		100.50
9	0	0.00	0.0		101.55
10	0	0.00	0.0		102.25
11	0	0.00	0.0		105.05
12	0	0.00	0.0		105.85
13	0	0.00	0.0		107.75
14	0	0.00	0.0		108.35
15	0	0.00	0.0		109.15
16	0	0.00	0.0		110.20
17	0	0.00	0.0		111.50
18	0	0.00	0.0		112.85
19	0	0.00	0.0		114.10
20	0	0.00	0.0		117.40
21	0	0.00	0.0		118.50
22	0	0.00	0.0		119.45

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
 Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 0 Noise: 0.6

Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		58.10
2	0	0.00	0.0		90.55
3	0	0.00	0.0		91.50
4	0	0.00	0.0		92.30
5	0	0.00	0.0		93.05
6	0	0.00	0.0		94.70
7	0	0.00	0.0		95.70
8	0	0.00	0.0		97.00
9	0	0.00	0.0		97.60
10	0	0.00	0.0		98.70
11	0	0.00	0.0		99.90
12	0	0.00	0.0		100.50
13	0	0.00	0.0		101.90
14	0	0.00	0.0		103.40
15	0	0.00	0.0		104.35
16	0	0.00	0.0		105.20
17	0	0.00	0.0		106.20
18	0	0.00	0.0		107.25
19	0	0.00	0.0		108.25
20	0	0.00	0.0		110.10
21	0	0.00	0.0		111.15
22	0	0.00	0.0		113.15
23	0	0.00	0.0		113.90
24	0	0.00	0.0		115.25
25	0	0.00	0.0		116.60
26	0	0.00	0.0		117.45
27	0	0.00	0.0		119.15

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
Modified: 12/8/2014 12:50:50 PM

Electropherogram Summary Continued ...

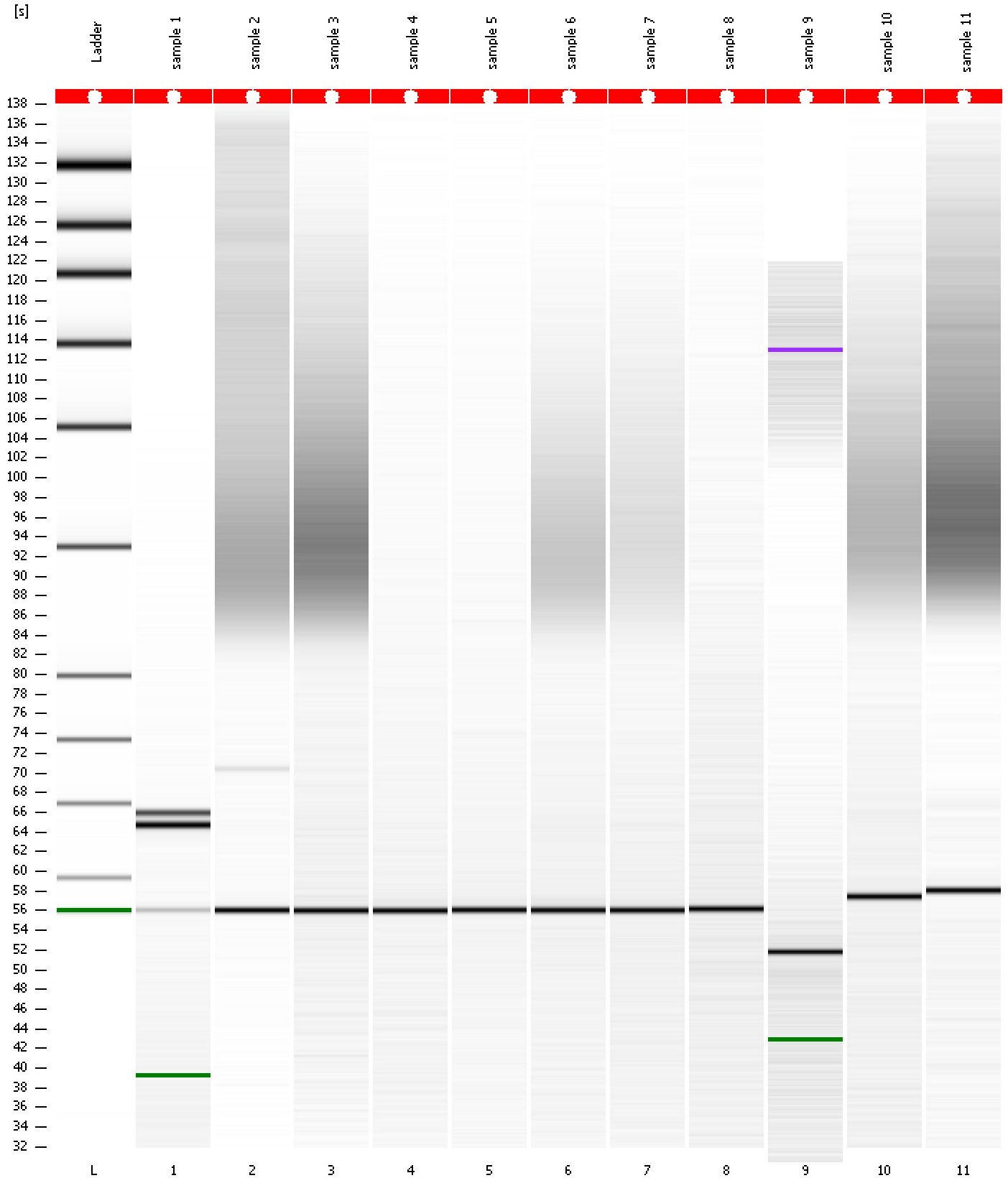
... Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		120.30
29	0	0.00	0.0		121.05
30	0	0.00	0.0		121.90
31	0	0.00	0.0		123.35
32	0	0.00	0.0		124.00
33	0	0.00	0.0		125.60
34	0	0.00	0.0		126.70
35	0	0.00	0.0		128.15
36	0	0.00	0.0		129.15
37	0	0.00	0.0		132.20

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
Modified: 12/8/2014 12:50:50 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Documents and Settings\UC Davis\Desktop\2014-12-08_004.xad

Created: 12/8/2014 12:05:30 PM
 Modified: 12/8/2014 12:50:50 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		12/8/2014 12:45:53 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyser\2014-12-08\2014-12-08_004.xad)		Instrument	Run		12/8/2014 12:05:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/8/2014 12:05:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/8/2014 12:05:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/8/2014 12:05:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/8/2014 12:05:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/8/2014 12:05:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/8/2014 12:05:31 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1