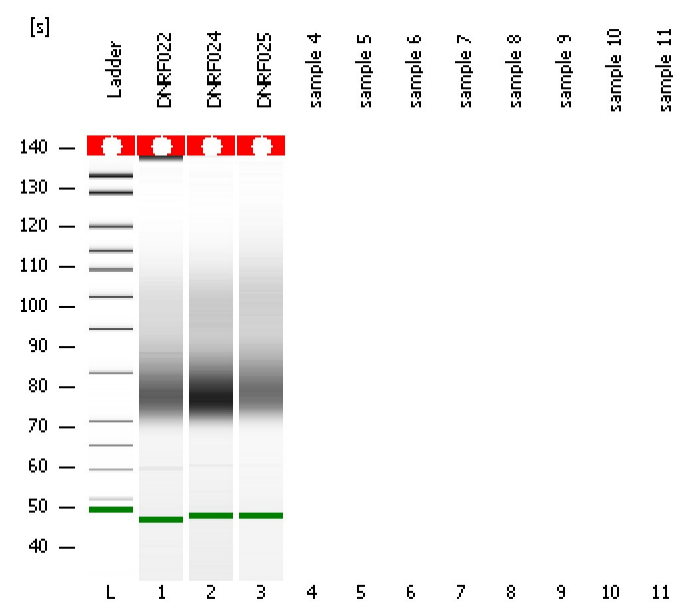


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-12\2015-02-12\_003.xad

Created: 2/12/2015 3:52:49 PM  
Modified: 2/12/2015 4:11:17 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

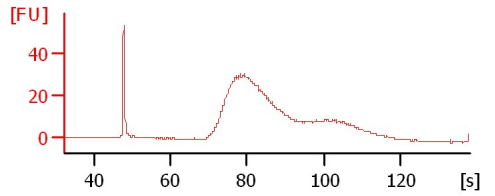
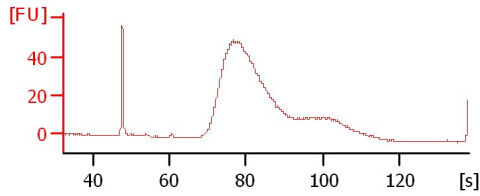
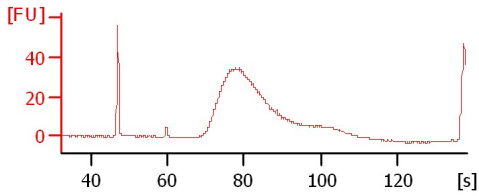
Chip Information:

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

**DNR022**

**DNR024**

**DNR025**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-12\2015-02-12\_003.xad

Created: 2/12/2015 3:52:49 PM  
Modified: 2/12/2015 4:11:17 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
DNRF022		<input type="checkbox"/>				
DNRF024		<input type="checkbox"/>				
DNRF025		<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:\...ents and Settings\Bioanalyzer\2015-02-12\2015-02-12\_003.xad

Created: 2/12/2015 3:52:49 PM  
Modified: 2/12/2015 4:11:17 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/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

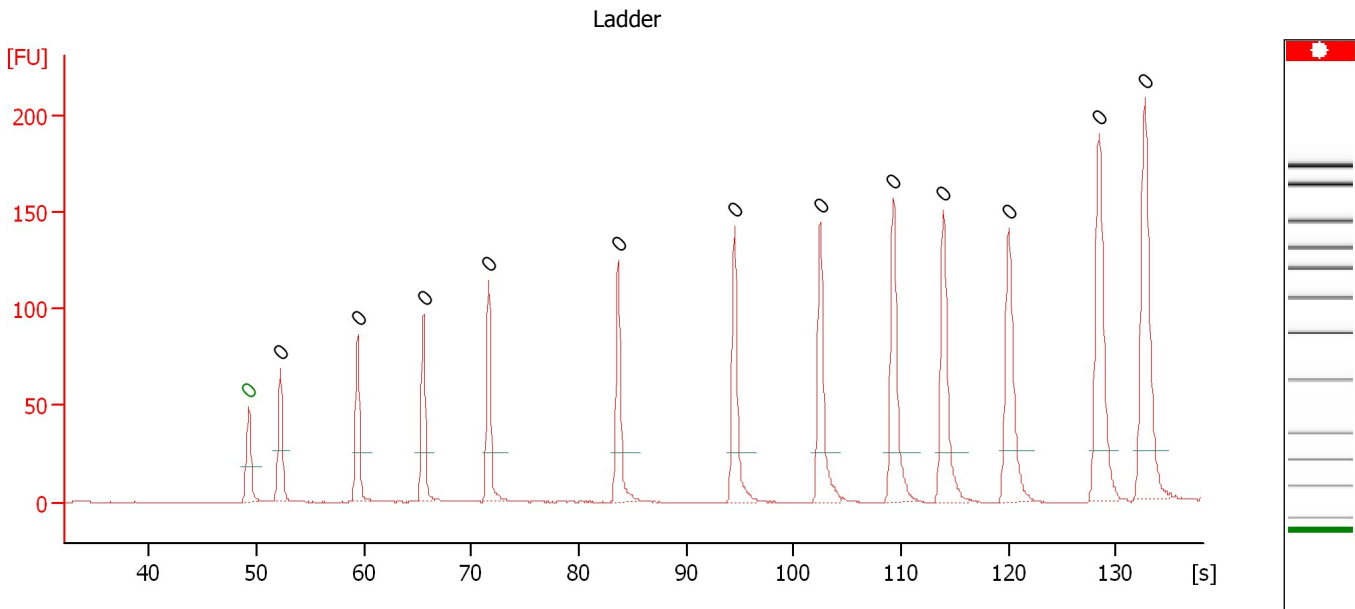
**Ladder**

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:\...ents and Settings\Bioanalyzer\2015-02-12\2015-02-12\_003.xad

Created: 2/12/2015 3:52:49 PM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

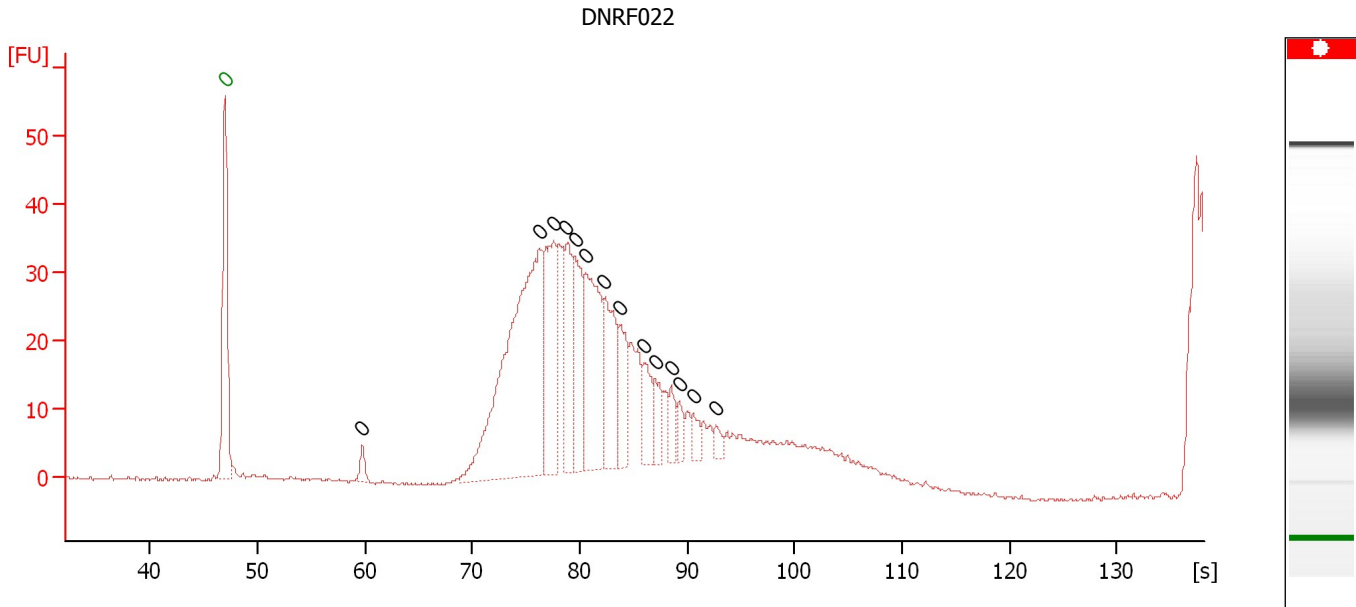
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	49.25
2	0	0.00	0.0	Ladder Peak	52.20
3	0	0.00	0.0	Ladder Peak	59.40
4	0	0.00	0.0	Ladder Peak	65.55
5	0	0.00	0.0	Ladder Peak	71.60
6	0	0.00	0.0	Ladder Peak	83.65
7	0	0.00	0.0	Ladder Peak	94.50
8	0	0.00	0.0	Ladder Peak	102.50
9	0	0.00	0.0	Ladder Peak	109.30
10	0	0.00	0.0	Ladder Peak	113.95
11	0	0.00	0.0	Ladder Peak	120.05
12	0	0.00	0.0	Ladder Peak	128.45
13	0	0.00	0.0	Ladder Peak	132.70

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-12\2015-02-12\_003.xad

Created: 2/12/2015 3:52:49 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : DNR022**

Number of peaks found: 14                      Noise: 0.3

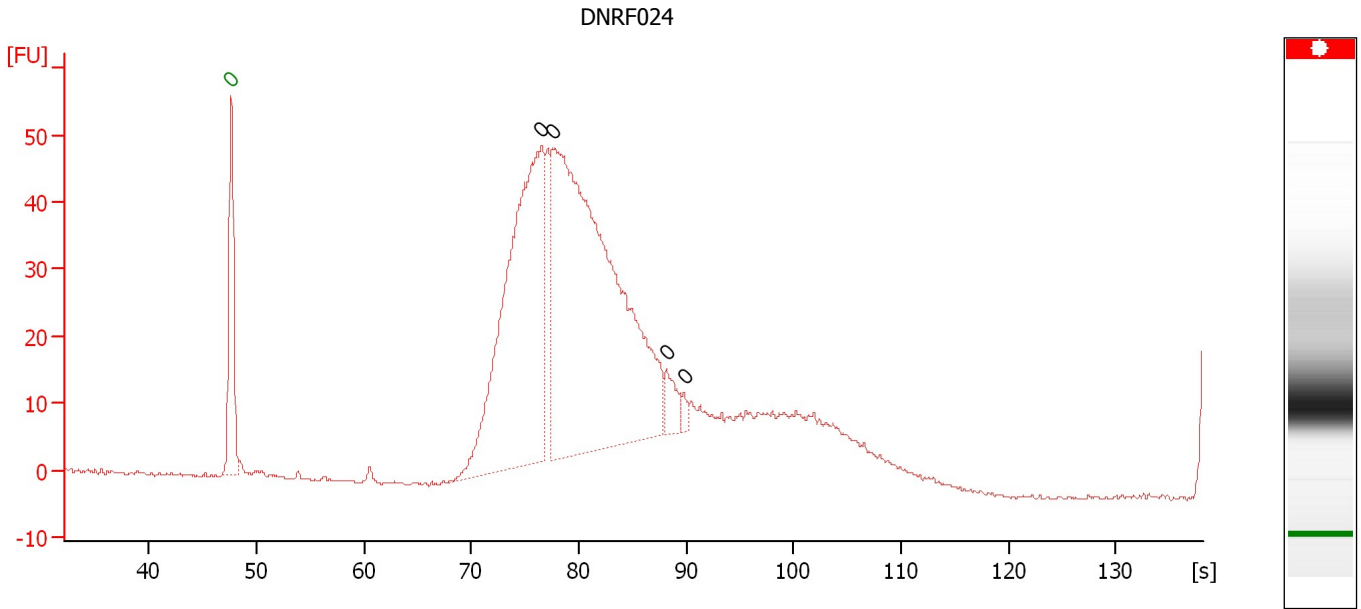
**Peak table for sample 1 : DNR022**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	46.95
2	0	0.00	0.0		59.75
3	0	0.00	0.0		76.20
4	0	0.00	0.0		77.60
5	0	0.00	0.0		78.70
6	0	0.00	0.0		79.55
7	0	0.00	0.0		80.55
8	0	0.00	0.0		82.20
9	0	0.00	0.0		83.75
10	0	0.00	0.0		86.05
11	0	0.00	0.0		87.00
12	0	0.00	0.0		88.55
13	0	0.00	0.0		89.30
14	0	0.00	0.0		90.55
15	0	0.00	0.0		92.70

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-12\2015-02-12\_003.xad

Created: 2/12/2015 3:52:49 PM  
Modified: 2/12/2015 4:11:17 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : DNRFO24**

Number of peaks found: 4                      Noise: 0.2

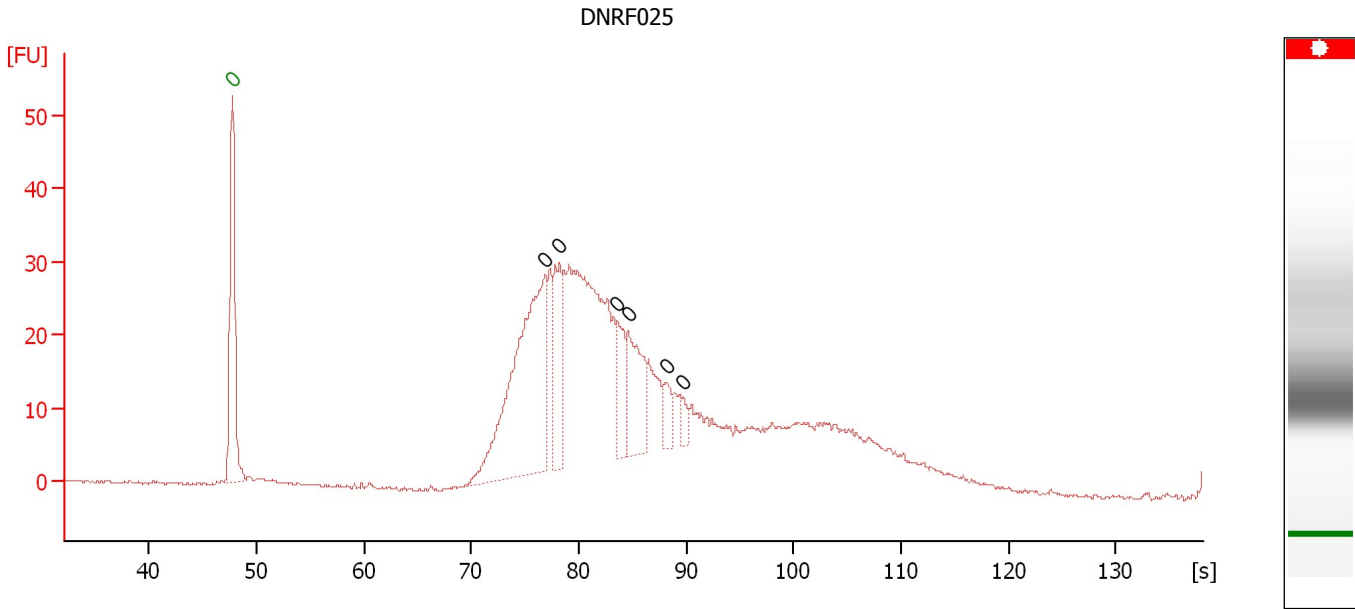
**Peak table for sample 2 : DNRFO24**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	47.65
2	0	0.00	0.0		76.50
3	0	0.00	0.0		77.55
4	0	0.00	0.0		88.15
5	0	0.00	0.0		89.80

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-12\2015-02-12\_003.xad

Created: 2/12/2015 3:52:49 PM  
Modified: 2/12/2015 4:11:17 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : DNRFO25**

Number of peaks found: 6      Noise: 0.1

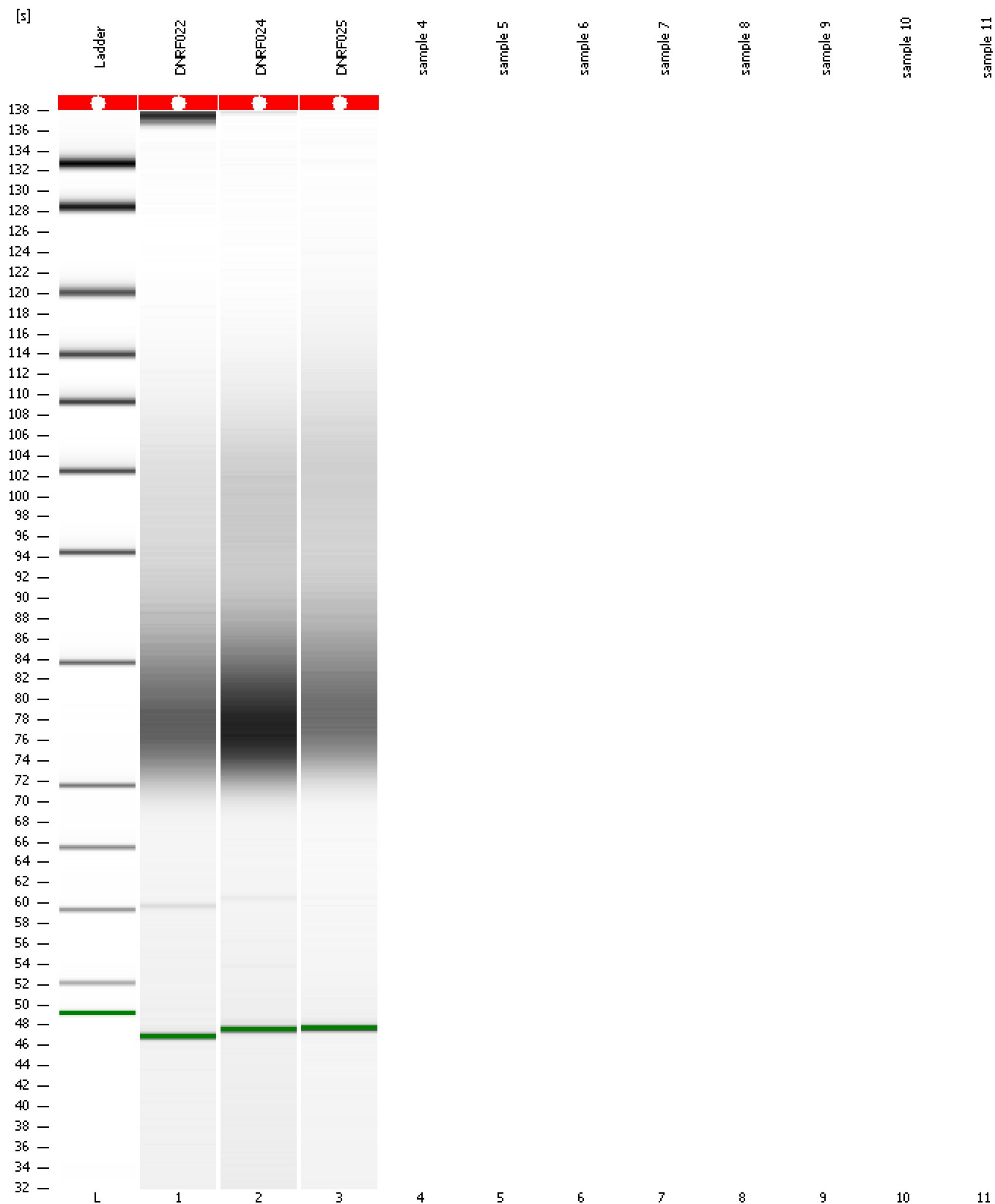
**Peak table for sample 3 : DNRFO25**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	47.75
2	0	0.00	0.0		76.85
3	0	0.00	0.0		78.15
4	0	0.00	0.0		83.60
5	0	0.00	0.0		84.60
6	0	0.00	0.0		88.15
7	0	0.00	0.0		89.60

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-12\2015-02-12\_003.xad

Created: 2/12/2015 3:52:49 PM  
Modified: 2/12/2015 4:11:17 PM

**Gel Image**





Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-12\2015-02-12\_003.xad

Created: 2/12/2015 3:52:49 PM  
Modified: 2/12/2015 4:11:17 PM

**Invalid Samples**

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-12\2015-02-12\_003.xad

Created: 2/12/2015 3:52:49 PM  
 Modified: 2/12/2015 4:11:17 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 4)		Instrument	Run		2/12/2015 4:11:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-02-12\2015-02-12_003.xad)		Instrument	Run		2/12/2015 3:52:55 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/12/2015 3:52:55 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/12/2015 3:52:55 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/12/2015 3:52:55 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/12/2015 3:52:55 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/12/2015 3:52:55 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/12/2015 3:52:55 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1