

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

Created: 2/23/2016 12:50:17 PM  
Modified: 2/23/2016 1:33:16 PM

### Electrophoresis File Run Summary

#### Instrument Information:

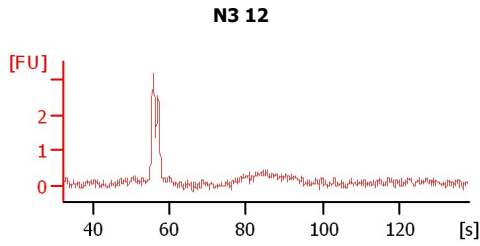
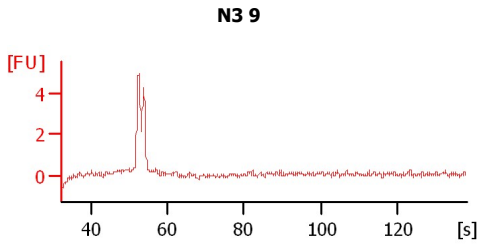
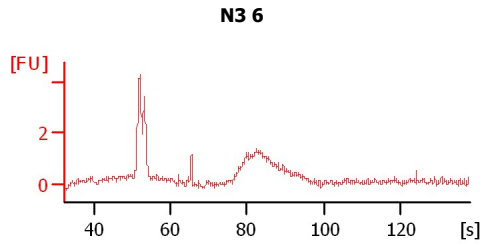
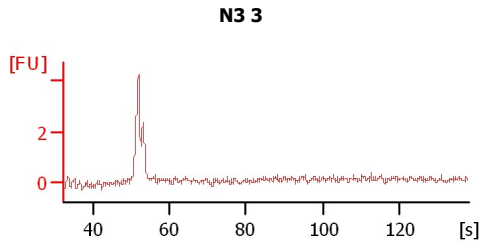
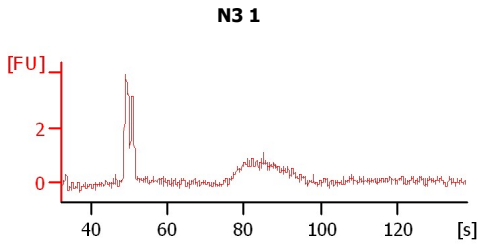
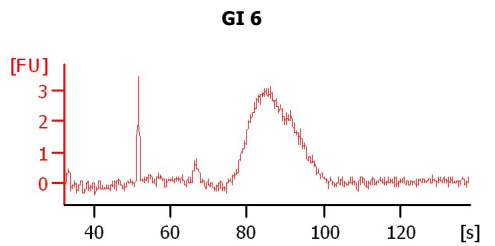
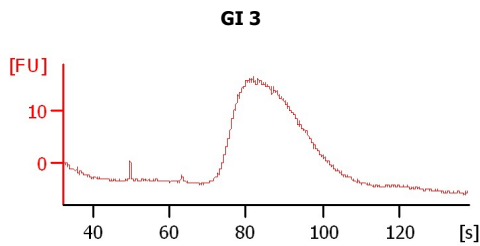
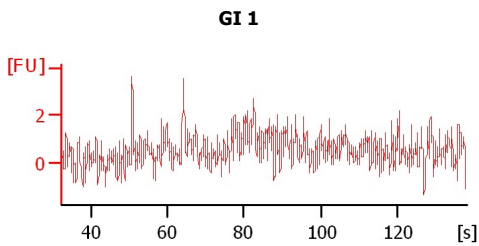
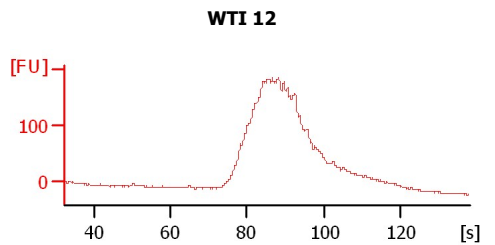
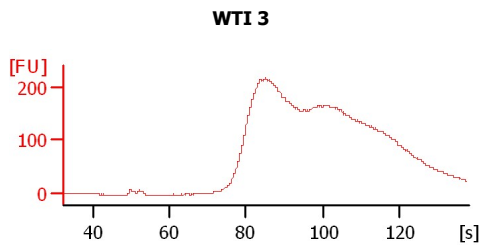
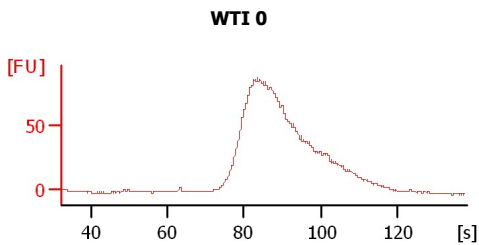
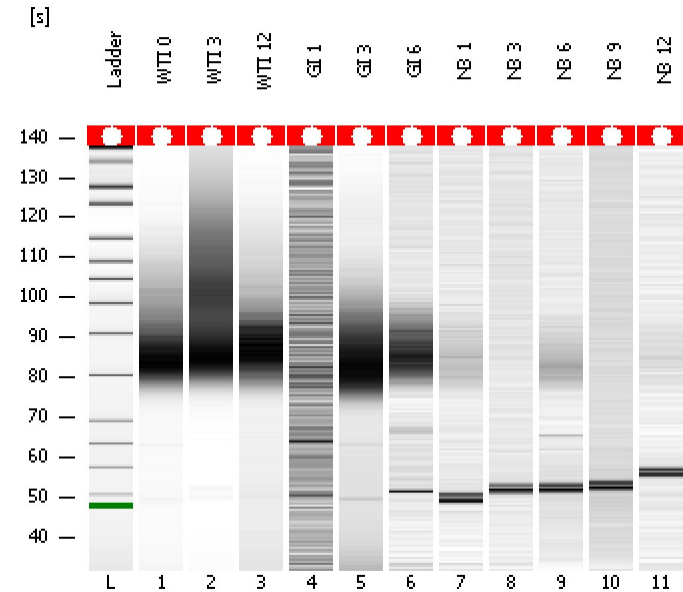
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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:



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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
WTI 0		<input type="checkbox"/>	✓			
WTI 3		<input type="checkbox"/>	✓			
WTI 12		<input type="checkbox"/>	✓			
GI 1		<input type="checkbox"/>	✓			
GI 3		<input type="checkbox"/>	✓			
GI 6		<input type="checkbox"/>	✓			
N3 1		<input type="checkbox"/>	✓			
N3 3		<input type="checkbox"/>	✓			
N3 6		<input type="checkbox"/>	✓			
N3 9		<input type="checkbox"/>	✓			
N3 12		<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

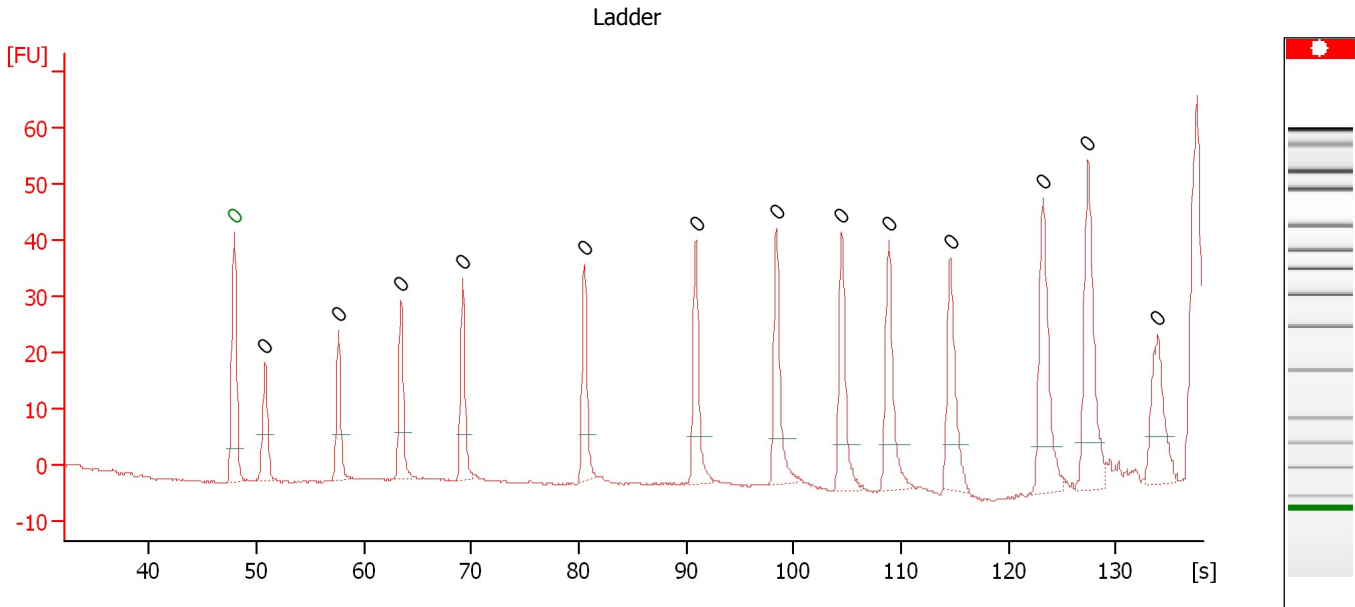
**Ladder**

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**



**Overall Results for Ladder**

Noise: 0.2

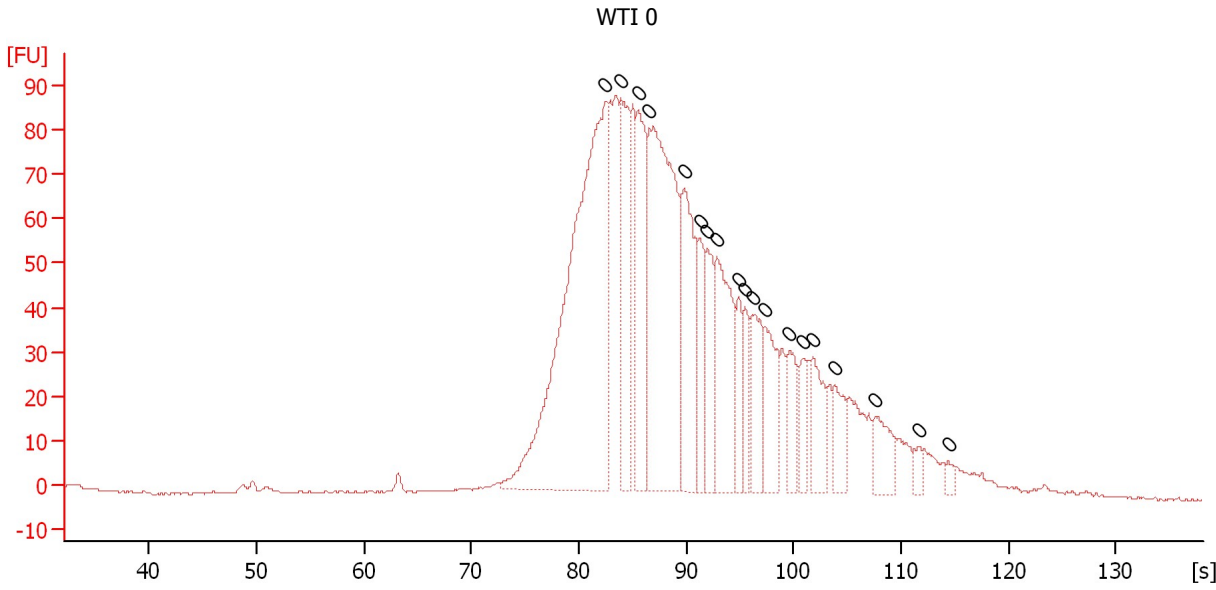
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	47.90
2	0	0.00	0.0	Ladder Peak	50.80
3	0	0.00	0.0	Ladder Peak	57.65
4	0	0.00	0.0	Ladder Peak	63.45
5	0	0.00	0.0	Ladder Peak	69.20
6	0	0.00	0.0	Ladder Peak	80.50
7	0	0.00	0.0	Ladder Peak	90.90
8	0	0.00	0.0	Ladder Peak	98.40
9	0	0.00	0.0	Ladder Peak	104.45
10	0	0.00	0.0	Ladder Peak	108.85
11	0	0.00	0.0	Ladder Peak	114.60
12	0	0.00	0.0	Ladder Peak	123.25
13	0	0.00	0.0	Ladder Peak	127.40
14	0	0.00	0.0	Ladder Peak	133.90

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : WTI 0**

Number of peaks found: 0                      Noise: 0.2

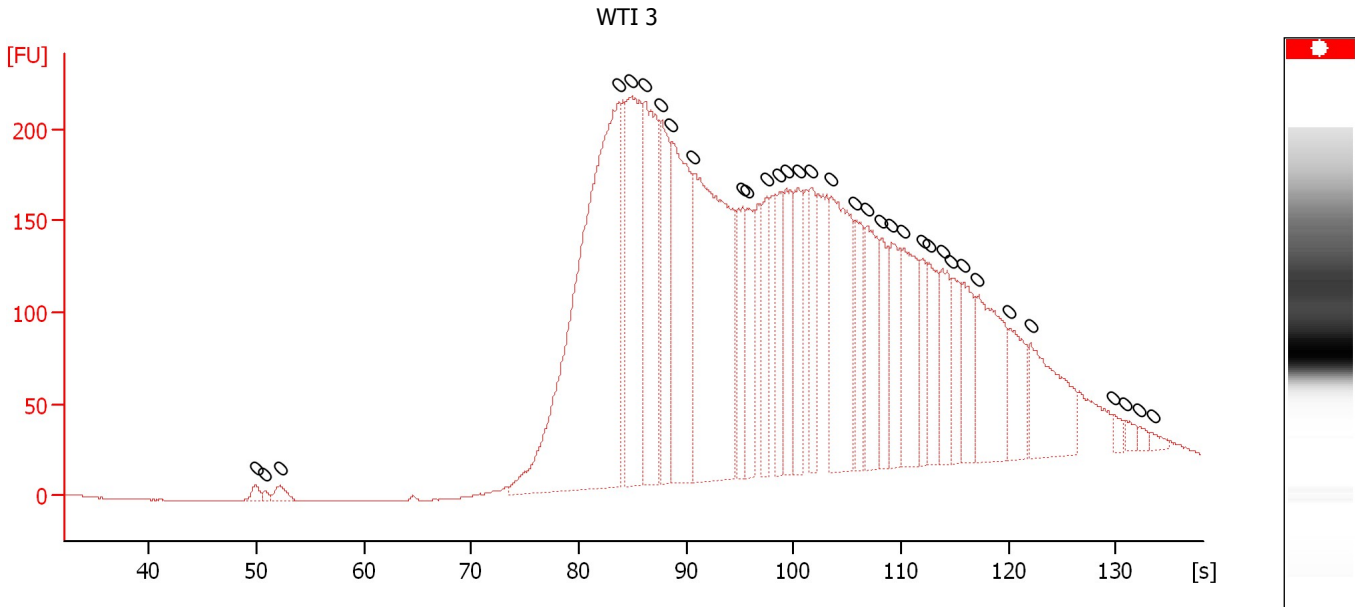
**Peak table for sample 1 : WTI 0**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		82.40
2	0	0.00	0.0		83.90
3	0	0.00	0.0		85.55
4	0	0.00	0.0		86.60
5	0	0.00	0.0		89.85
6	0	0.00	0.0		91.30
7	0	0.00	0.0		91.95
8	0	0.00	0.0		92.85
9	0	0.00	0.0		94.85
10	0	0.00	0.0		95.50
11	0	0.00	0.0		96.15
12	0	0.00	0.0		97.25
13	0	0.00	0.0		99.65
14	0	0.00	0.0		100.90
15	0	0.00	0.0		101.80
16	0	0.00	0.0		103.80
17	0	0.00	0.0		107.60
18	0	0.00	0.0		111.65
19	0	0.00	0.0		114.40

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : WTI 3**

Number of peaks found: 0                      Noise: 0.2

**Peak table for sample 2 : WTI 3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.95
2	0	0.00	0.0		50.80
3	0	0.00	0.0		52.15
4	0	0.00	0.0		83.75
5	0	0.00	0.0		84.90
6	0	0.00	0.0		86.15
7	0	0.00	0.0		87.65
8	0	0.00	0.0		88.65
9	0	0.00	0.0		90.70
10	0	0.00	0.0		95.25
11	0	0.00	0.0		95.70
12	0	0.00	0.0		97.50
13	0	0.00	0.0		98.65
14	0	0.00	0.0		99.30
15	0	0.00	0.0		100.45
16	0	0.00	0.0		101.60
17	0	0.00	0.0		103.55
18	0	0.00	0.0		105.80
19	0	0.00	0.0		106.85
20	0	0.00	0.0		108.20
21	0	0.00	0.0		109.15
22	0	0.00	0.0		110.25
23	0	0.00	0.0		112.00
24	0	0.00	0.0		112.60
25	0	0.00	0.0		113.85
26	0	0.00	0.0		114.75
27	0	0.00	0.0		115.80

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

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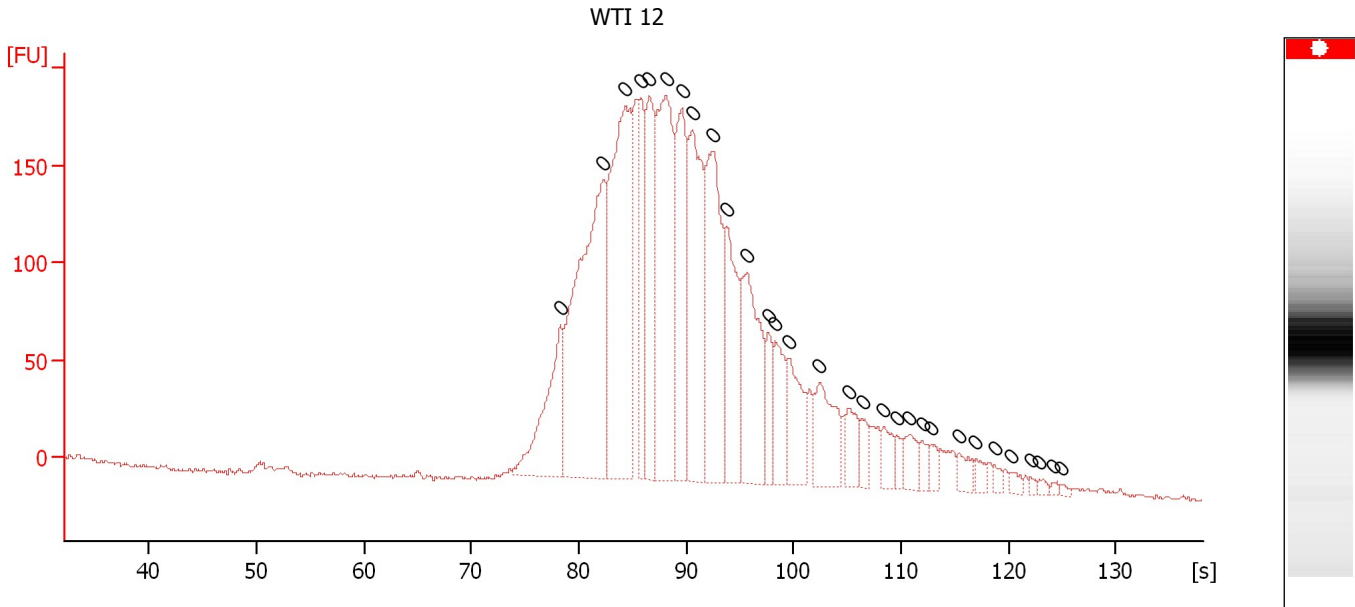
**Electropherogram Summary Continued ...****... Peak table for sample 2 : WTI 3**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		117.10
29	0	0.00	0.0		120.15
30	0	0.00	0.0		122.05
31	0	0.00	0.0		129.75
32	0	0.00	0.0		130.90
33	0	0.00	0.0		132.25
34	0	0.00	0.0		133.40

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : WTI 12**

Number of peaks found: 0                      Noise: 1.1

**Peak table for sample 3 : WTI 12**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		78.30
2	0	0.00	0.0		82.30
3	0	0.00	0.0		84.30
4	0	0.00	0.0		85.75
5	0	0.00	0.0		86.55
6	0	0.00	0.0		88.15
7	0	0.00	0.0		89.60
8	0	0.00	0.0		90.60
9	0	0.00	0.0		92.45
10	0	0.00	0.0		93.75
11	0	0.00	0.0		95.65
12	0	0.00	0.0		97.65
13	0	0.00	0.0		98.30
14	0	0.00	0.0		99.60
15	0	0.00	0.0		102.45
16	0	0.00	0.0		105.10
17	0	0.00	0.0		106.40
18	0	0.00	0.0		108.40
19	0	0.00	0.0		109.60
20	0	0.00	0.0		110.80
21	0	0.00	0.0		112.00
22	0	0.00	0.0		112.85
23	0	0.00	0.0		115.40
24	0	0.00	0.0		116.90
25	0	0.00	0.0		118.70
26	0	0.00	0.0		120.25
27	0	0.00	0.0		122.05



Assay Class: High Sensitivity DNA Assay  
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**Electropherogram Summary Continued ...****... Peak table for sample 3 : WTI 12**

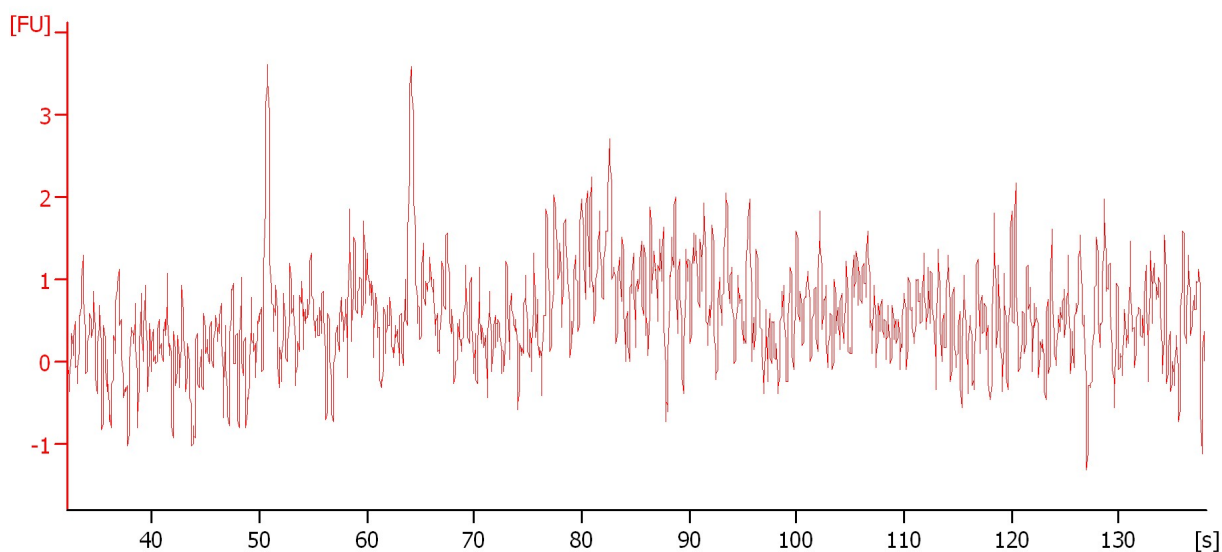
Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		122.90
29	0	0.00	0.0		124.15
30	0	0.00	0.0		124.90

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

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**Electropherogram Summary Continued ...**

GI 1



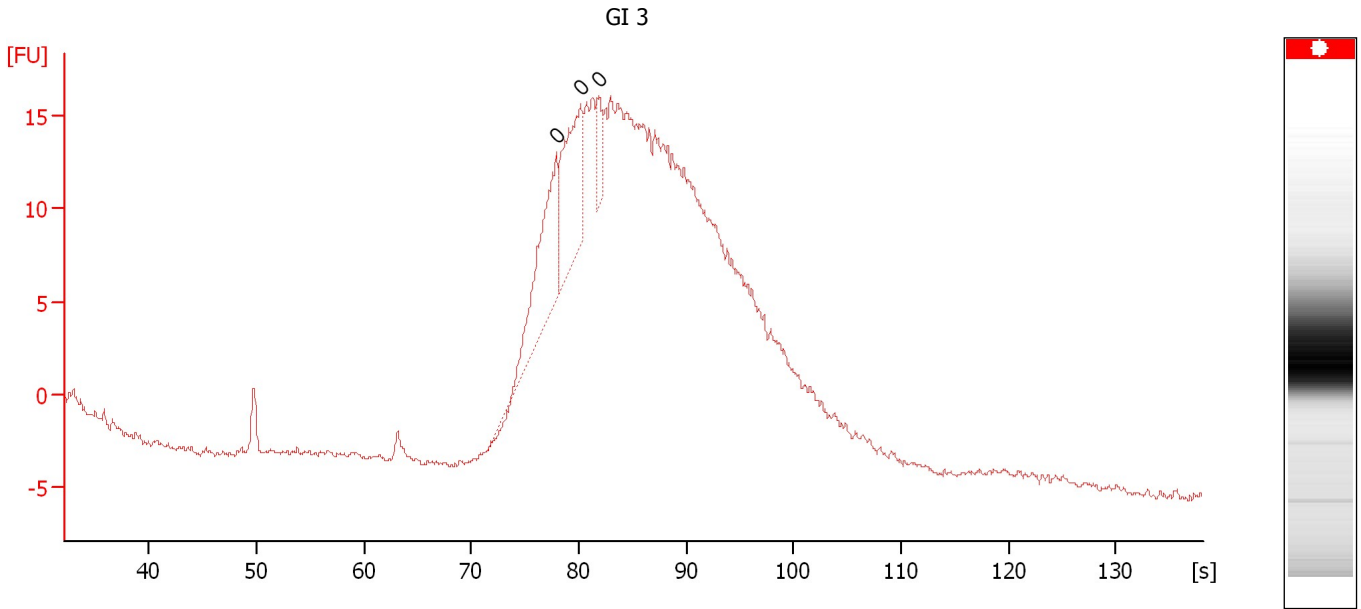
**Overall Results for sample 4 : GI 1**

Noise: 0.7

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

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Modified: 2/23/2016 1:33:16 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : GI 3**

Number of peaks found: 0                      Noise: 0.2

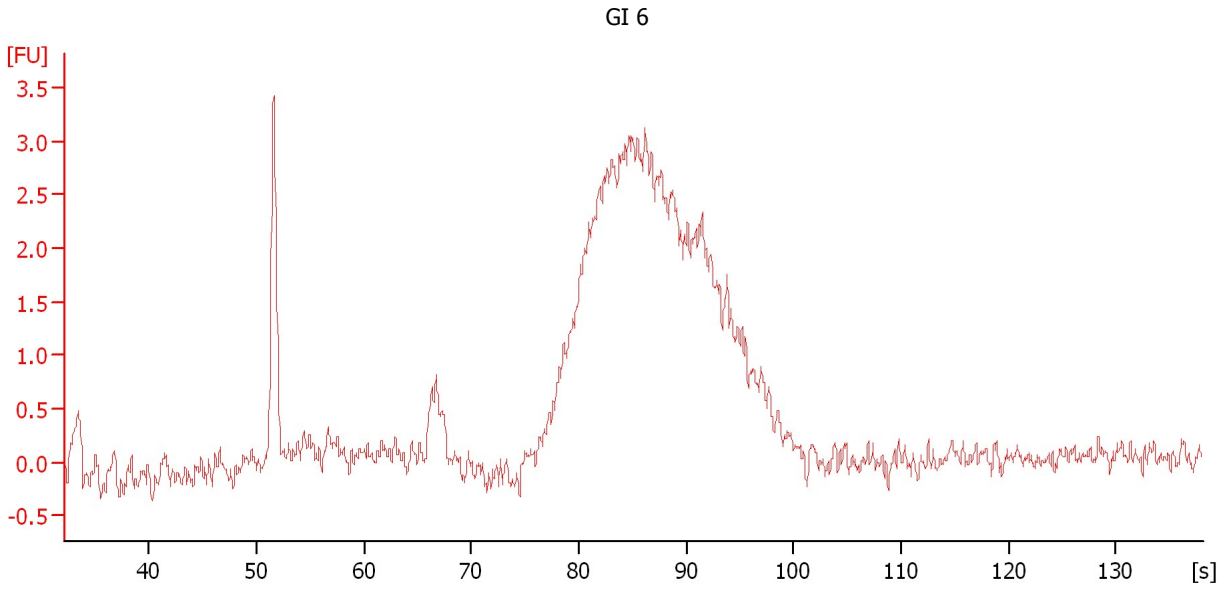
**Peak table for sample 5 : GI 3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		77.90
2	0	0.00	0.0		80.15
3	0	0.00	0.0		81.85

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

Created: 2/23/2016 12:50:17 PM  
Modified: 2/23/2016 1:33:16 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : GI 6**

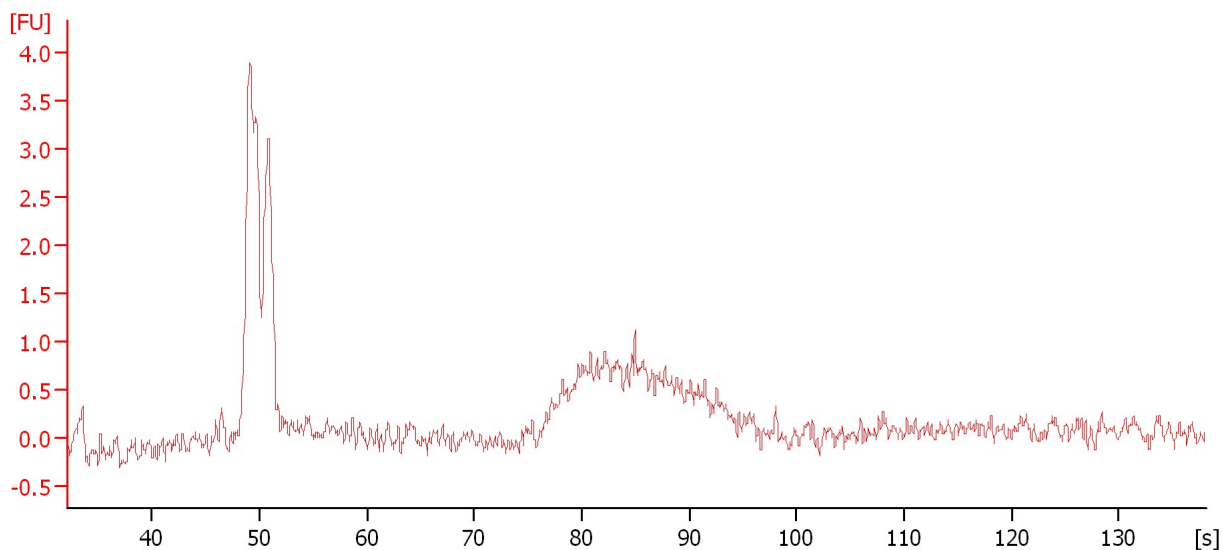
Noise: 0.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

Created: 2/23/2016 12:50:17 PM  
Modified: 2/23/2016 1:33:16 PM

**Electropherogram Summary Continued ...**

N3 1



**Overall Results for sample 7 : N3 1**

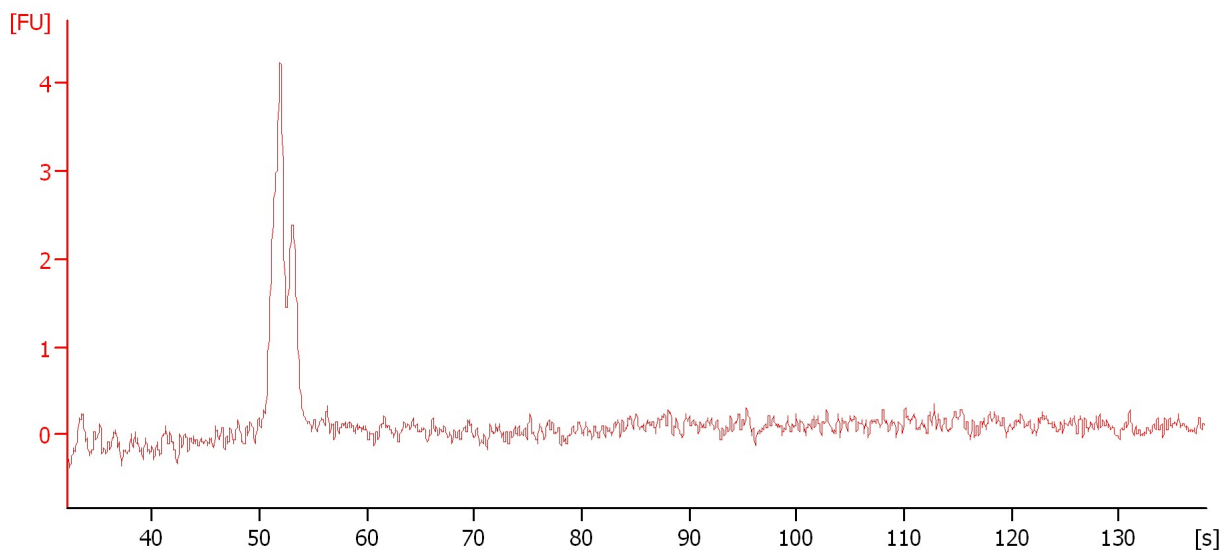
Noise: 0.2

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

Created: 2/23/2016 12:50:17 PM  
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**Electropherogram Summary Continued ...**

N3 3



**Overall Results for sample 8 : N3 3**

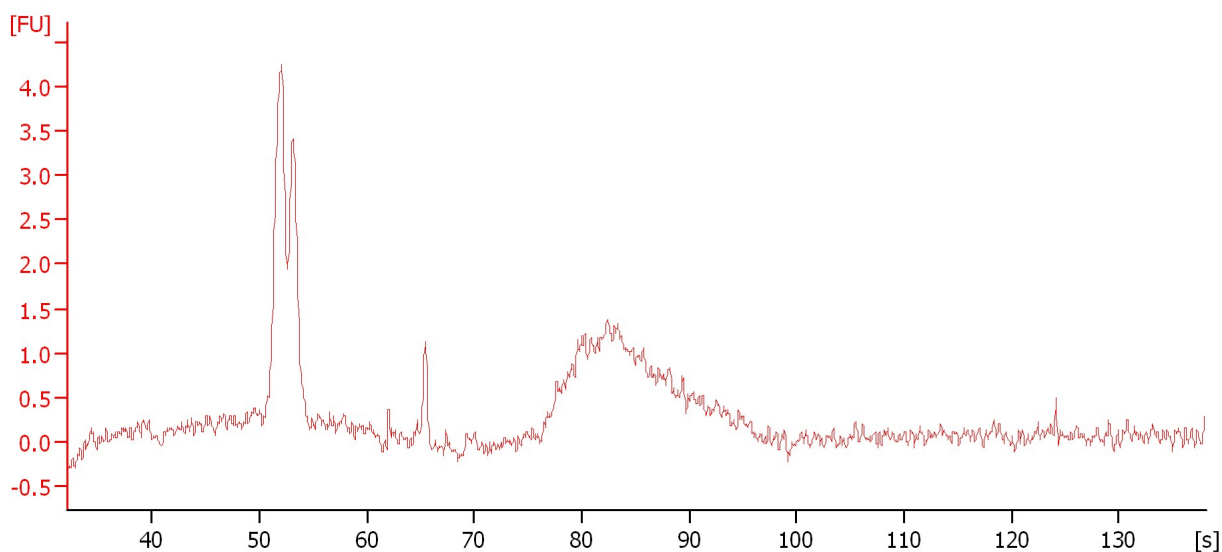
Noise: 0.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

Created: 2/23/2016 12:50:17 PM  
Modified: 2/23/2016 1:33:16 PM

**Electropherogram Summary Continued ...**

N3 6



**Overall Results for sample 9 : N3 6**

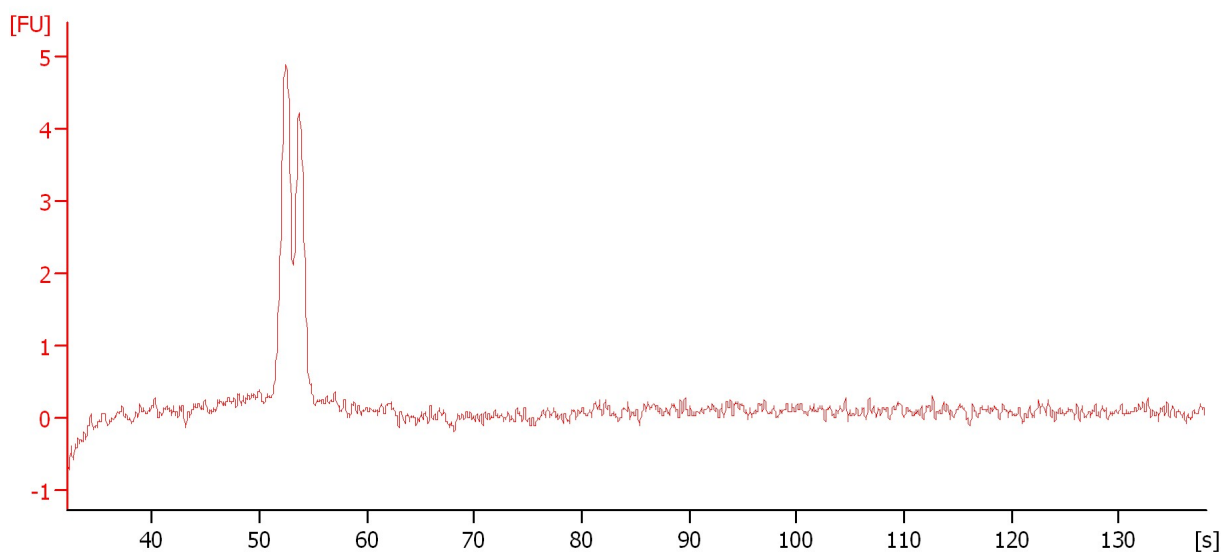
Noise: 0.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

Created: 2/23/2016 12:50:17 PM  
Modified: 2/23/2016 1:33:16 PM

**Electropherogram Summary Continued ...**

N3 9



**Overall Results for sample 10 : N3 9**

Noise: 0.1

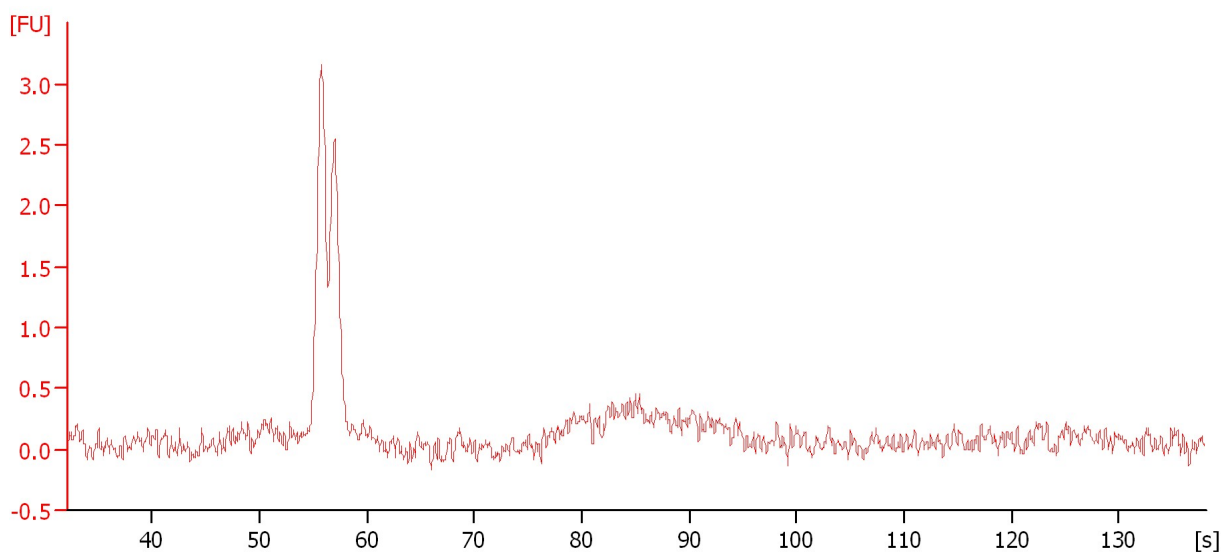


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

Created: 2/23/2016 12:50:17 PM  
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**Electropherogram Summary Continued ...**

N3 12



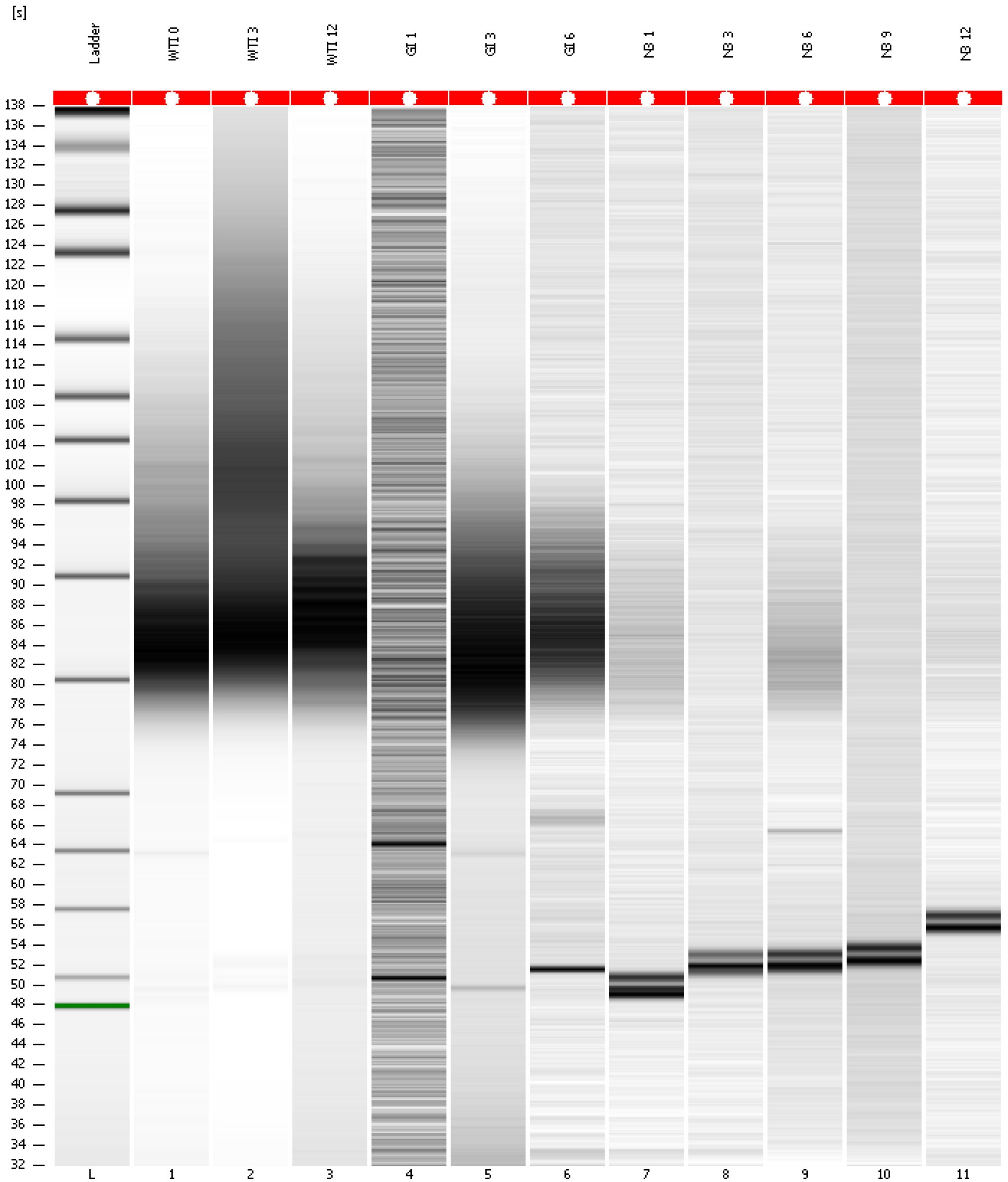
**Overall Results for sample 11 : N3 12**

Noise: 0.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2016-02-23\2016-02-23\_001.xad

Created: 2/23/2016 12:50:17 PM  
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**Gel Image**



Assay Class: High Sensitivity DNA Assay  
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Created: 2/23/2016 12:50:17 PM  
 Modified: 2/23/2016 1:33:16 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		2/23/2016 1:31:35 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2016-02-23\2016-02-23_001.xad)		Instrument	Run		2/23/2016 12:50:22 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/23/2016 12:50:22 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/23/2016 12:50:22 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/23/2016 12:50:22 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/23/2016 12:50:22 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/23/2016 12:50:22 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/23/2016 12:50:22 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1