

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

Created: 5/10/2016 3:21:46 PM
Modified: 5/10/2016 4:07:14 PM

Electrophoresis File Run Summary

Instrument Information:

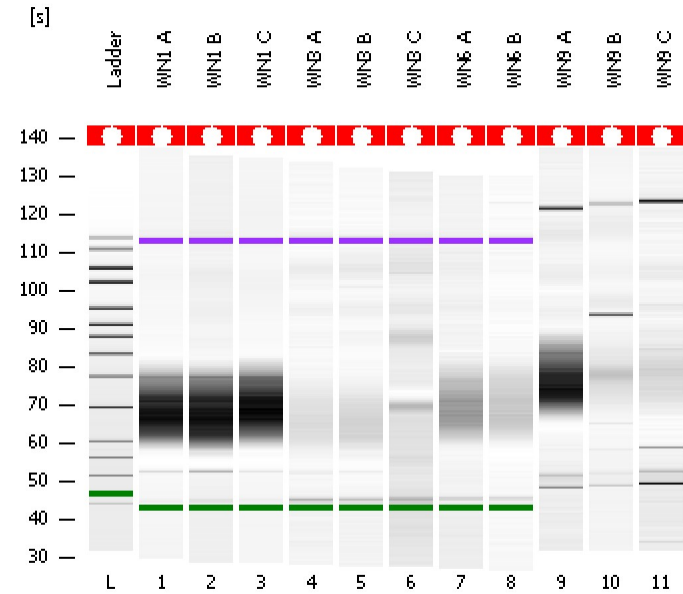
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:

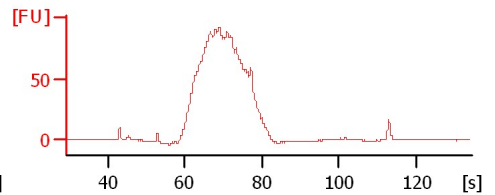
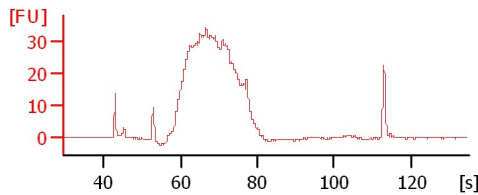
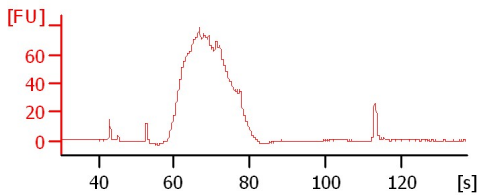
Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



WN1 A

WN1 B

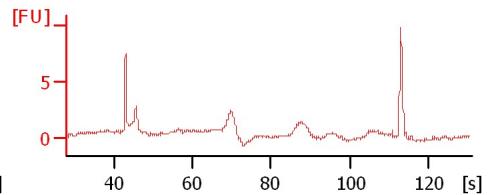
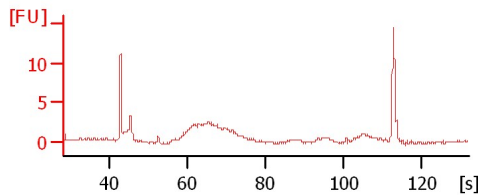
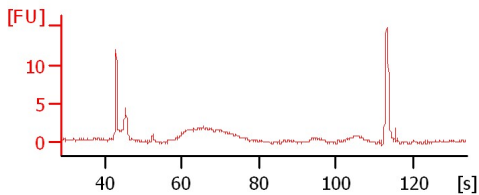
WN1 C



WN3 A

WN3 B

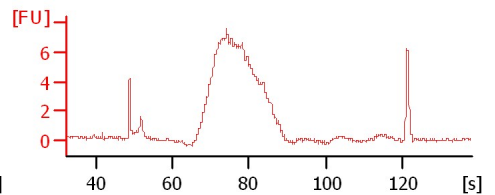
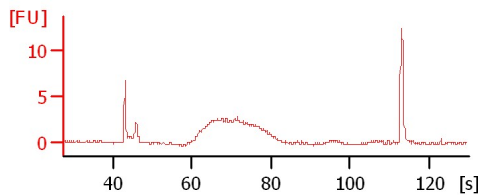
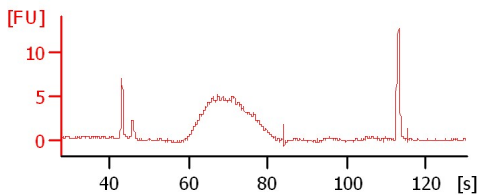
WN3 C



WN6 A

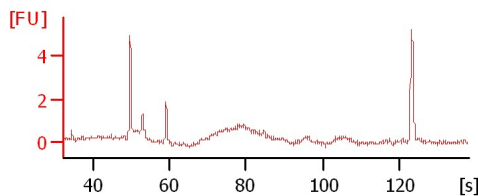
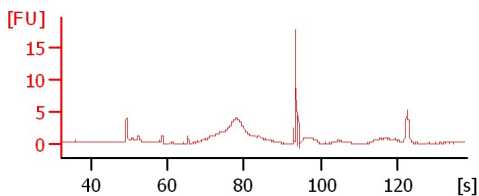
WN6 B

WN9 A



WN9 B

WN9 C



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
WN1 A		<input type="checkbox"/>	✓			
WN1 B		<input type="checkbox"/>	✓			
WN1 C		<input type="checkbox"/>	✓			
WN3 A		<input type="checkbox"/>	✓			
WN3 B		<input type="checkbox"/>	✓			
WN3 C		<input type="checkbox"/>	✓			
WN6 A		<input type="checkbox"/>	✓			
WN6 B		<input type="checkbox"/>	✓			
WN9 A		<input type="checkbox"/>	✓			
WN9 B		<input type="checkbox"/>	✓			
WN9 C		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

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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

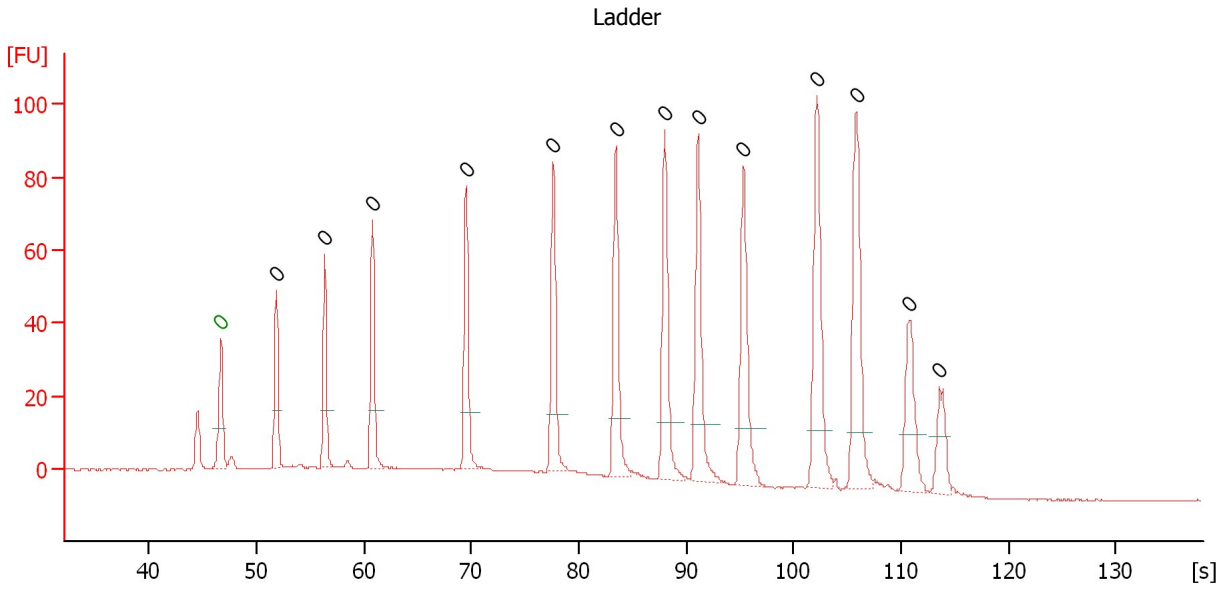
Ladder

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

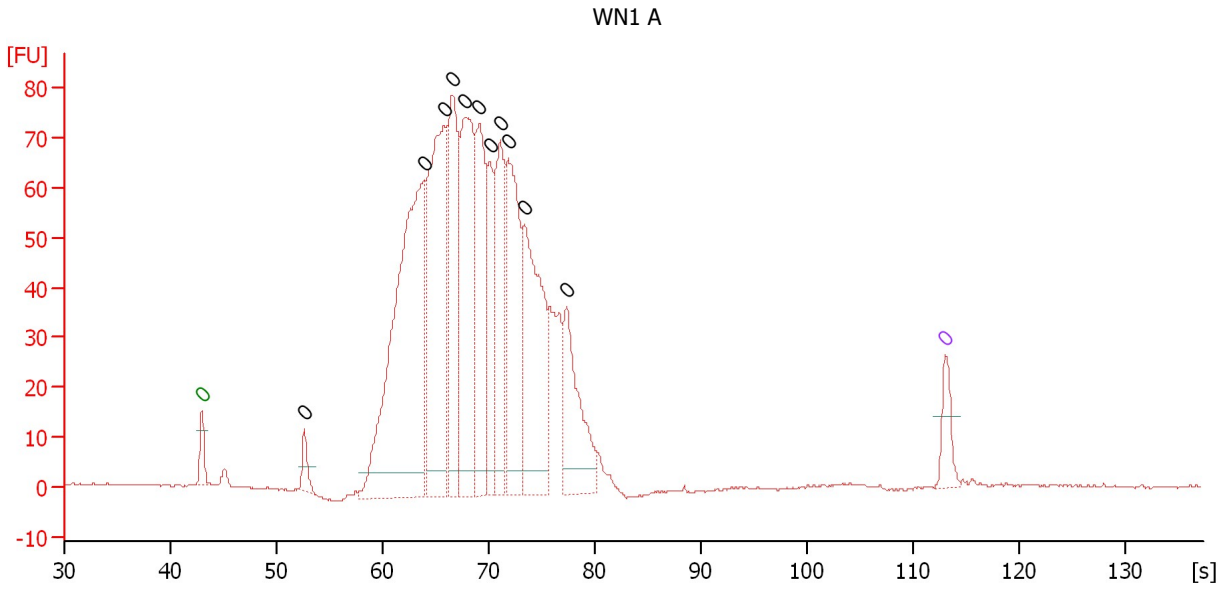
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	46.70
2	0	0.00	0.0	Ladder Peak	51.85
3	0	0.00	0.0	Ladder Peak	56.35
4	0	0.00	0.0	Ladder Peak	60.80
5	0	0.00	0.0	Ladder Peak	69.50
6	0	0.00	0.0	Ladder Peak	77.60
7	0	0.00	0.0	Ladder Peak	83.45
8	0	0.00	0.0	Ladder Peak	88.00
9	0	0.00	0.0	Ladder Peak	91.10
10	0	0.00	0.0	Ladder Peak	95.35
11	0	0.00	0.0	Ladder Peak	102.15
12	0	0.00	0.0	Ladder Peak	105.85
13	0	0.00	0.0	Ladder Peak	110.80
14	0	0.00	0.0	Ladder Peak	113.55

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Electropherogram Summary Continued ...



Overall Results for sample 1 : WN1 A

Number of peaks found: 11 Noise: 0.2

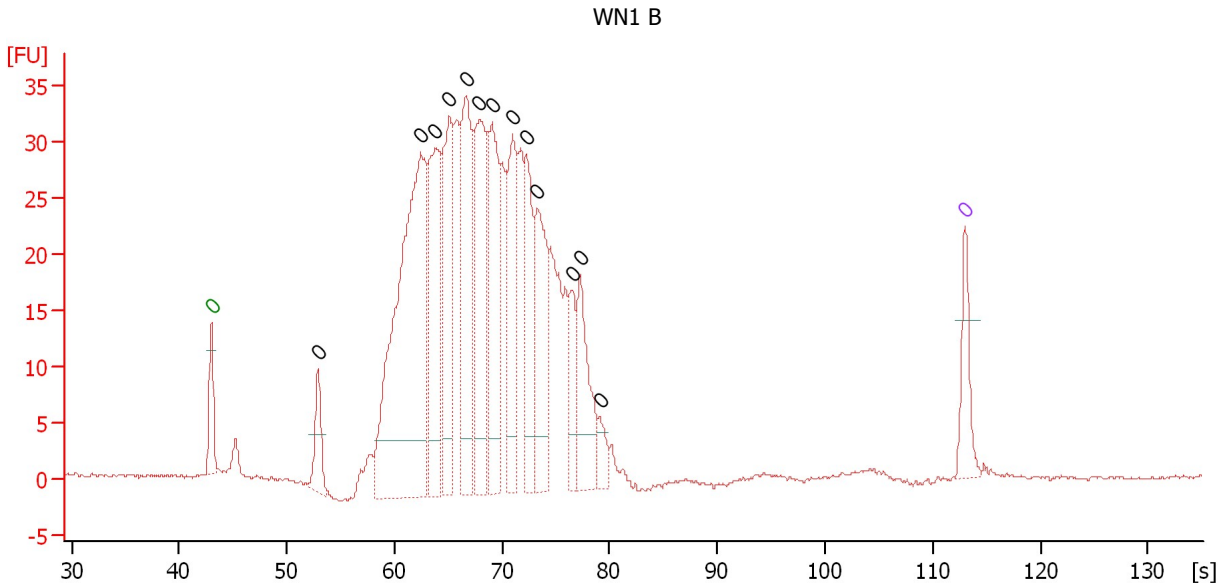
Peak table for sample 1 : WN1 A

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		52.66
3	0	0.00	0.0		63.89
4	0	0.00	0.0		65.81
5	0	0.00	0.0		66.57
6	0	0.00	0.0		67.83
7	0	0.00	0.0		69.15
8	0	0.00	0.0		70.16
9	0	0.00	0.0		71.12
10	0	0.00	0.0		71.88
11	0	0.00	0.0		73.40
12	0	0.00	0.0		77.39
13	0	0.00	0.0	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 2 : WN1 B

Number of peaks found: 13 Noise: 0.1

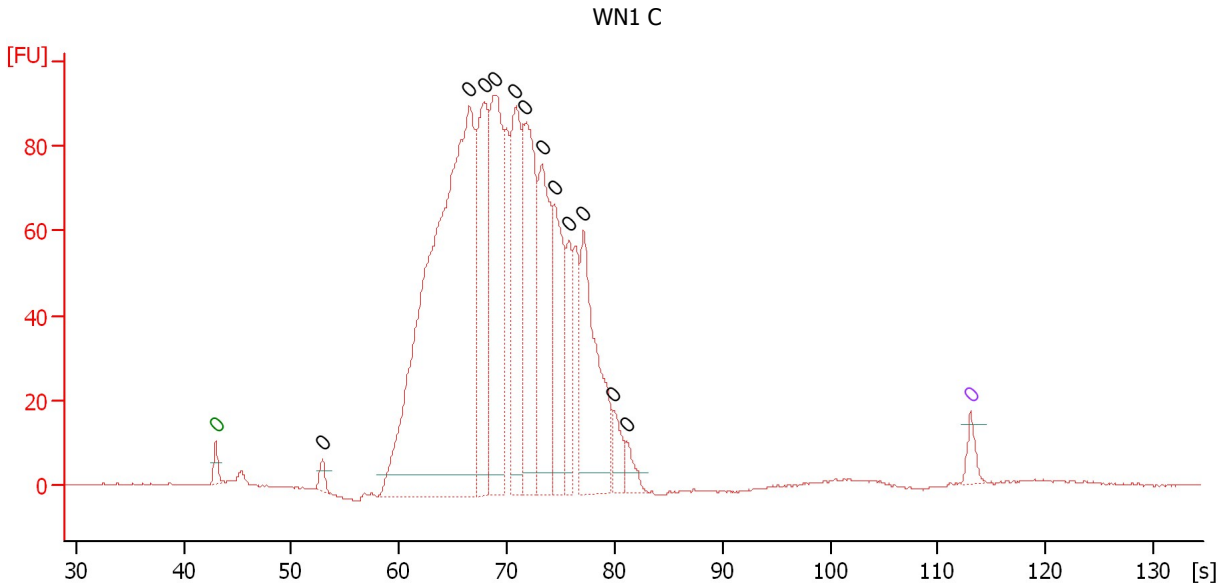
Peak table for sample 2 : WN1 B

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		52.93
3	0	0.00	0.0		62.46
4	0	0.00	0.0		63.76
5	0	0.00	0.0		65.10
6	0	0.00	0.0		66.65
7	0	0.00	0.0		67.90
8	0	0.00	0.0		69.09
9	0	0.00	0.0		70.94
10	0	0.00	0.0		72.24
11	0	0.00	0.0		73.29
12	0	0.00	0.0		76.53
13	0	0.00	0.0		77.28
14	0	0.00	0.0		79.07
15	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : WN1 C

Number of peaks found: 12 Noise: 0.2

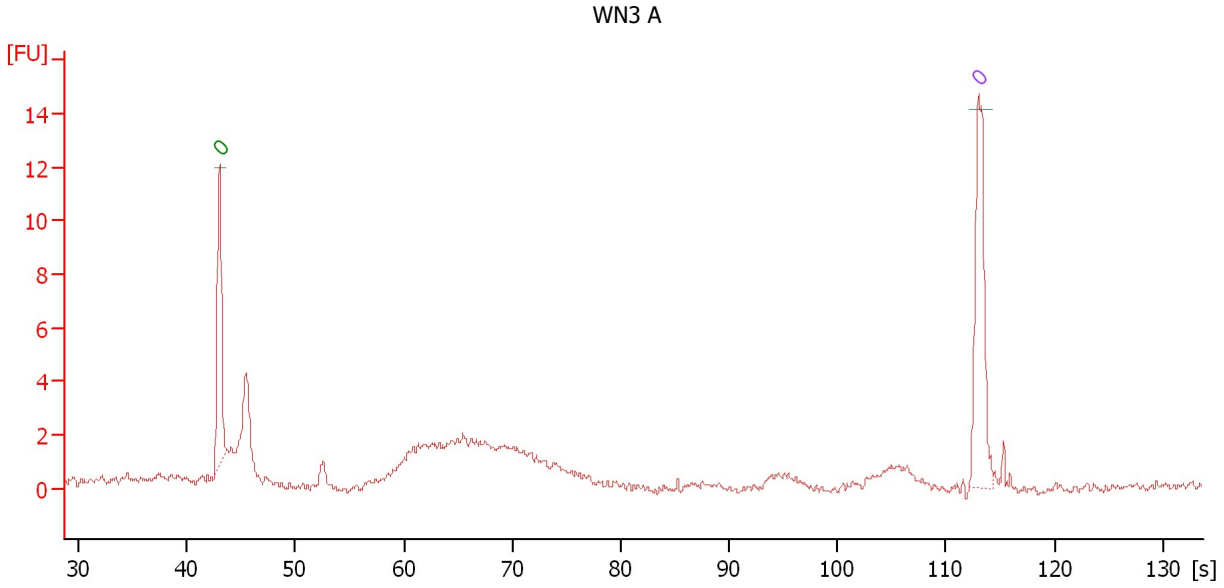
Peak table for sample 3 : WN1 C

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		52.86
3	0	0.00	0.0		66.52
4	0	0.00	0.0		67.91
5	0	0.00	0.0		68.96
6	0	0.00	0.0		70.80
7	0	0.00	0.0		71.70
8	0	0.00	0.0		73.29
9	0	0.00	0.0		74.39
10	0	0.00	0.0		75.78
11	0	0.00	0.0		77.13
12	0	0.00	0.0		79.87
13	0	0.00	0.0		81.11
14	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : WN3 A

Number of peaks found: 0 Noise: 0.2

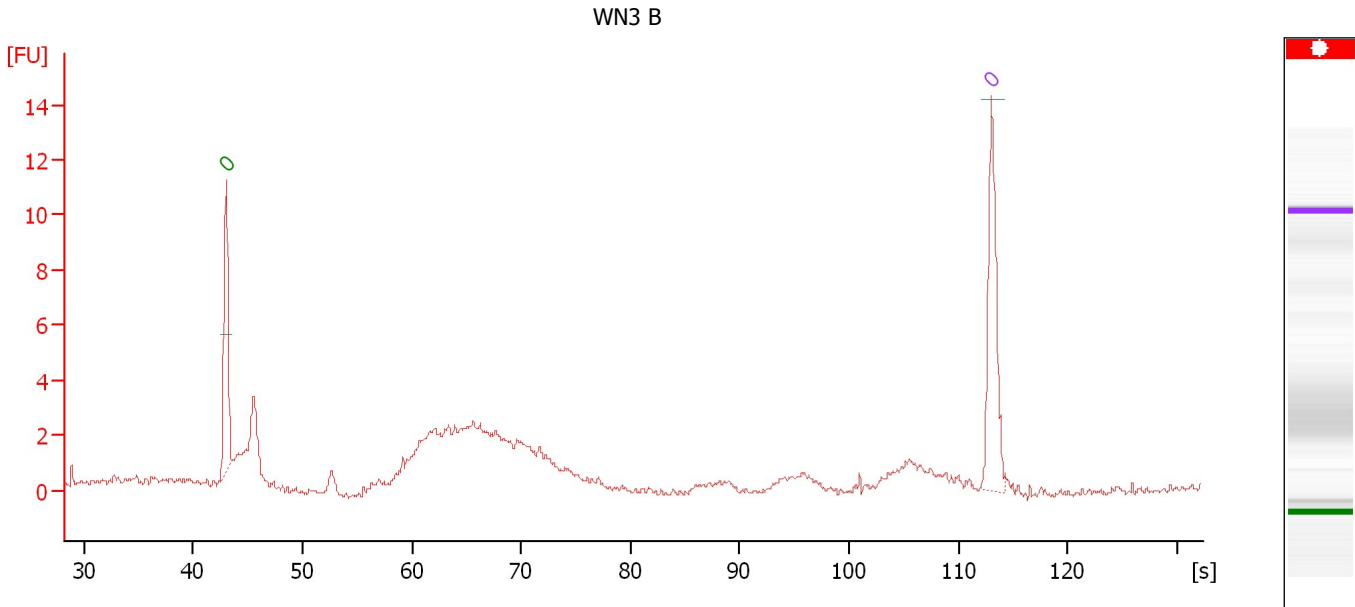
Peak table for sample 4 : WN3 A

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	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : WN3 B

Number of peaks found: 0 Noise: 0.1

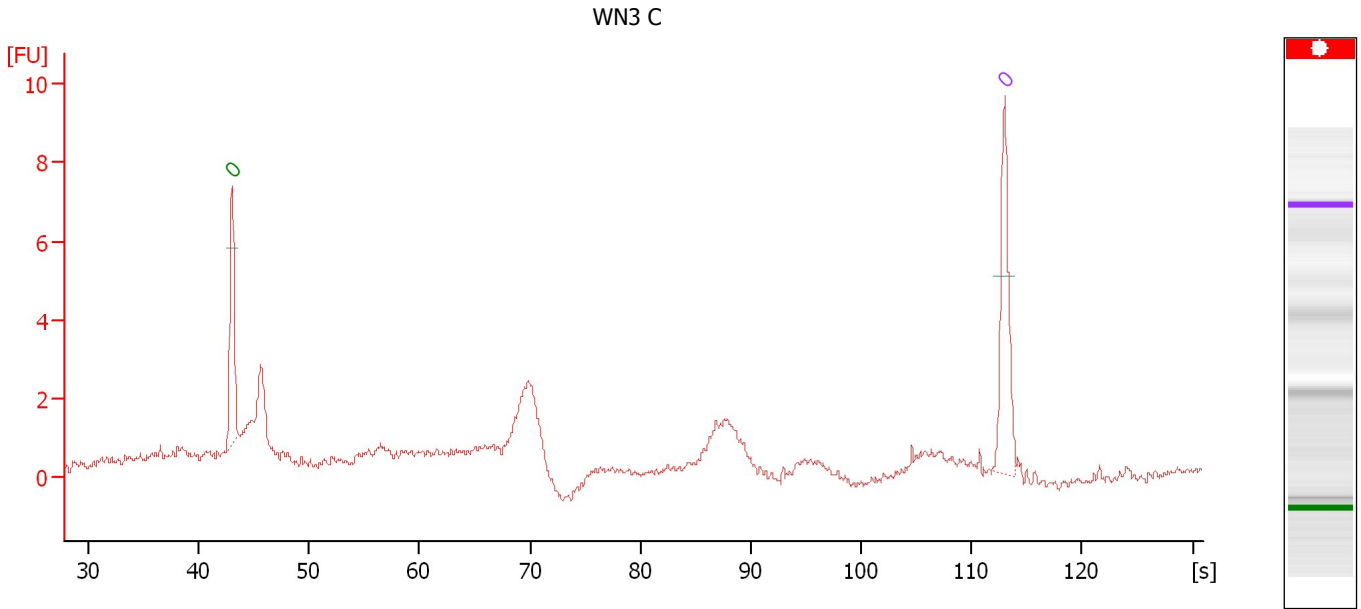
Peak table for sample 5 : WN3 B

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	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : WN3 C

Number of peaks found: 0 Noise: 0.1

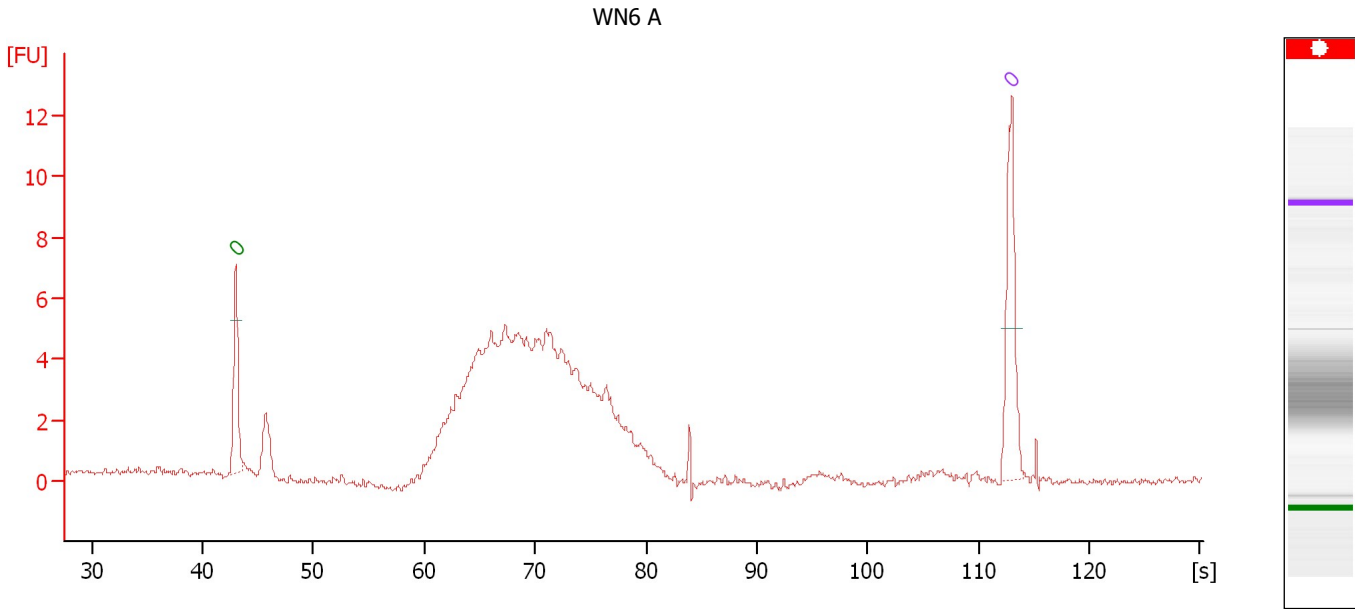
Peak table for sample 6 : WN3 C

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	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : WN6 A

Number of peaks found: 0 Noise: 0.1

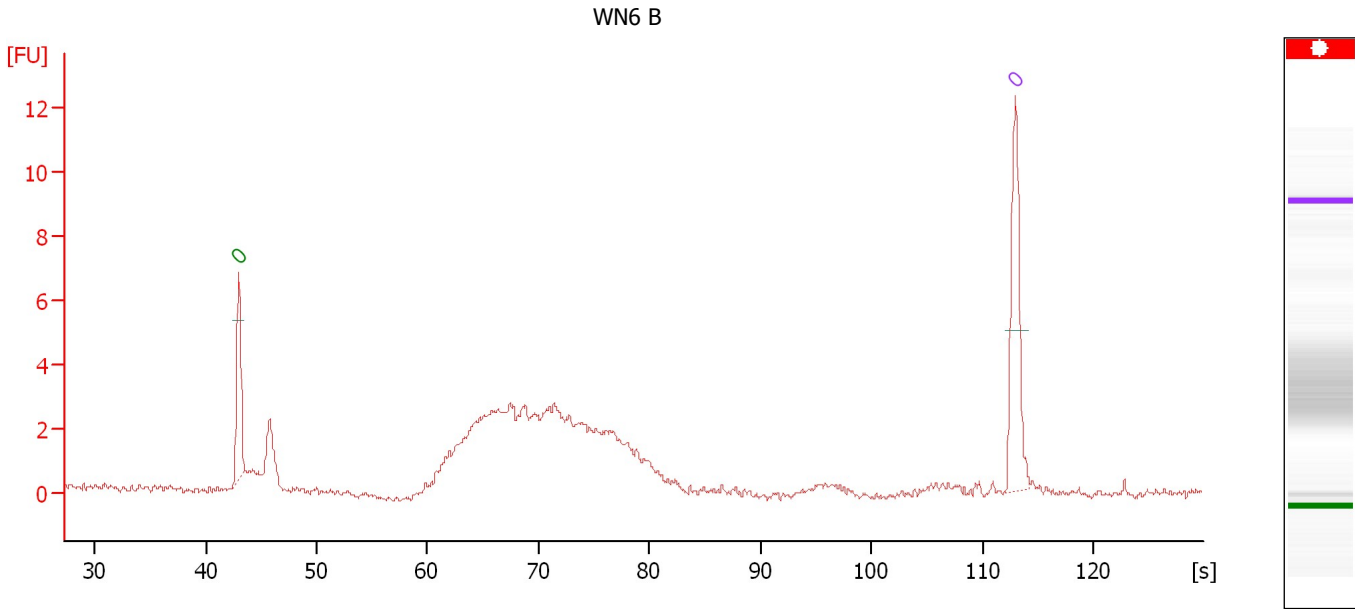
Peak table for sample 7 : WN6 A

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	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

Created: 5/10/2016 3:21:46 PM
Modified: 5/10/2016 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : WN6 B

Number of peaks found: 0 Noise: 0.1

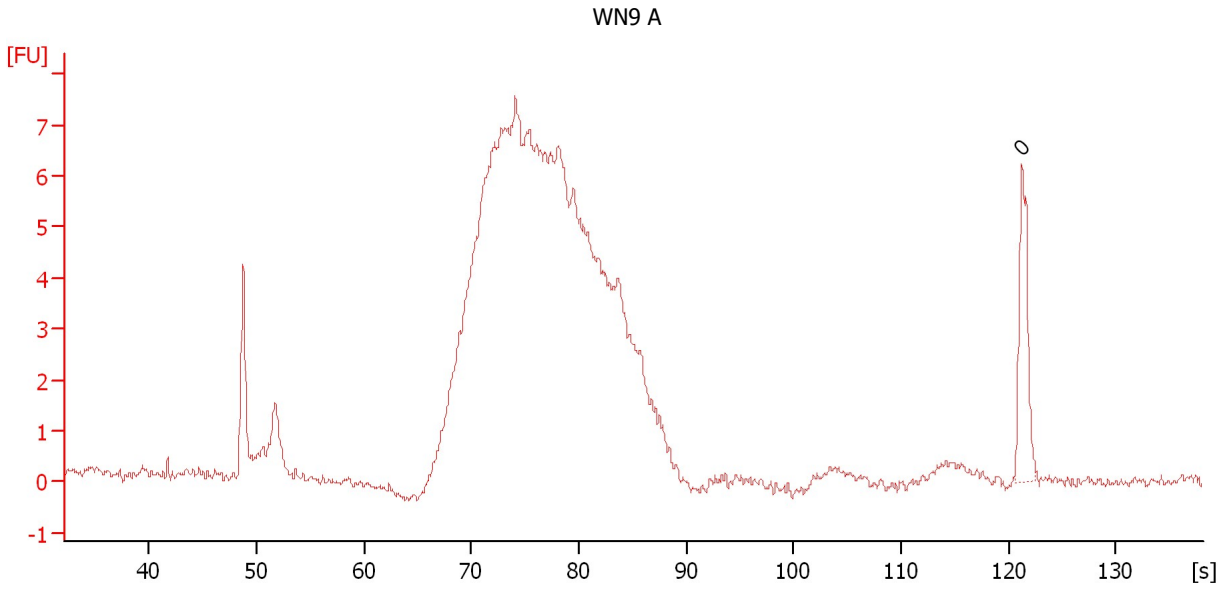
Peak table for sample 8 : WN6 B

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	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

Created: 5/10/2016 3:21:46 PM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : WN9 A

Number of peaks found: 0 Noise: 0.1

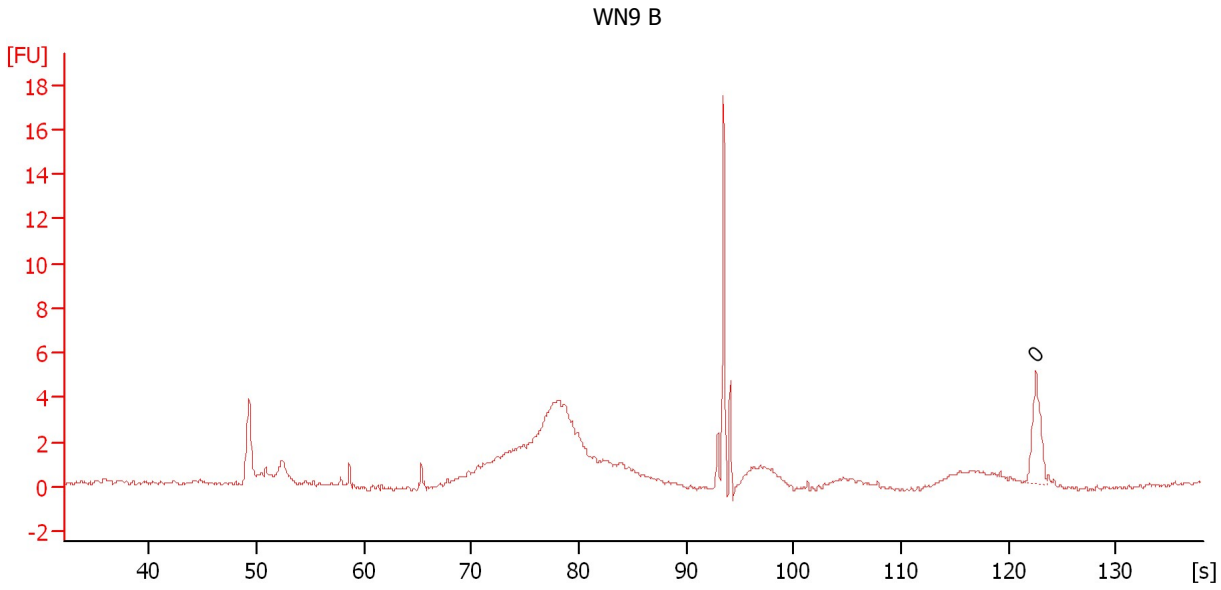
Peak table for sample 9 : WN9 A

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		121.25

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

Created: 5/10/2016 3:21:46 PM
Modified: 5/10/2016 4:07:14 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : WN9 B

Number of peaks found: 0 Noise: 0.1

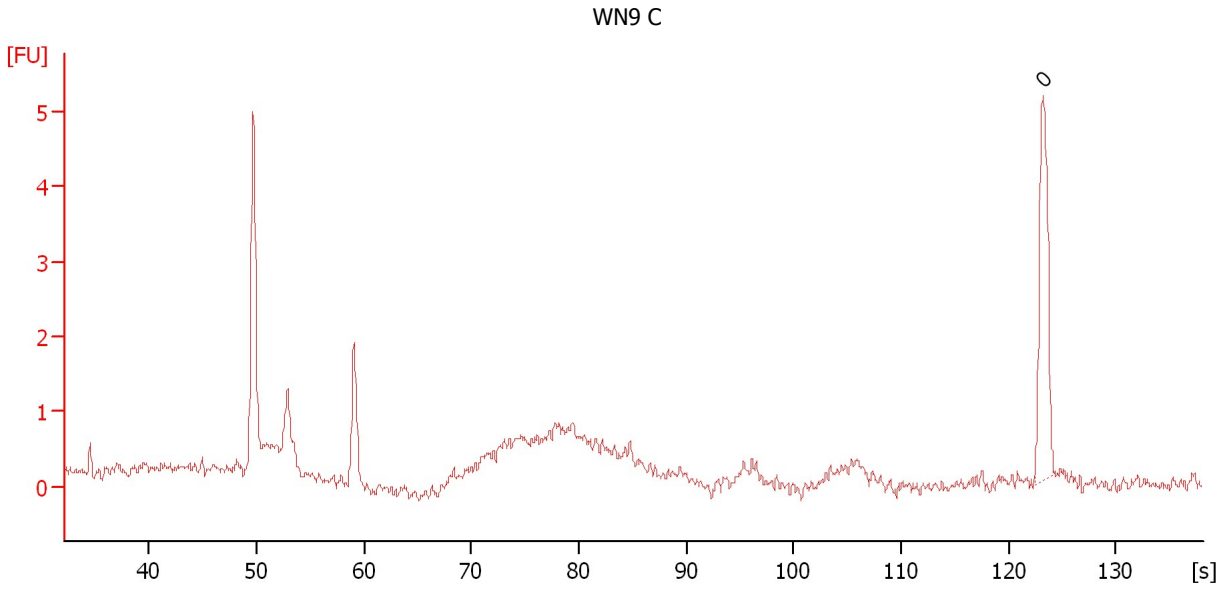
Peak table for sample 10 : WN9 B

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		122.55

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

Created: 5/10/2016 3:21:46 PM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : WN9 C

Number of peaks found: 0 Noise: 0.1

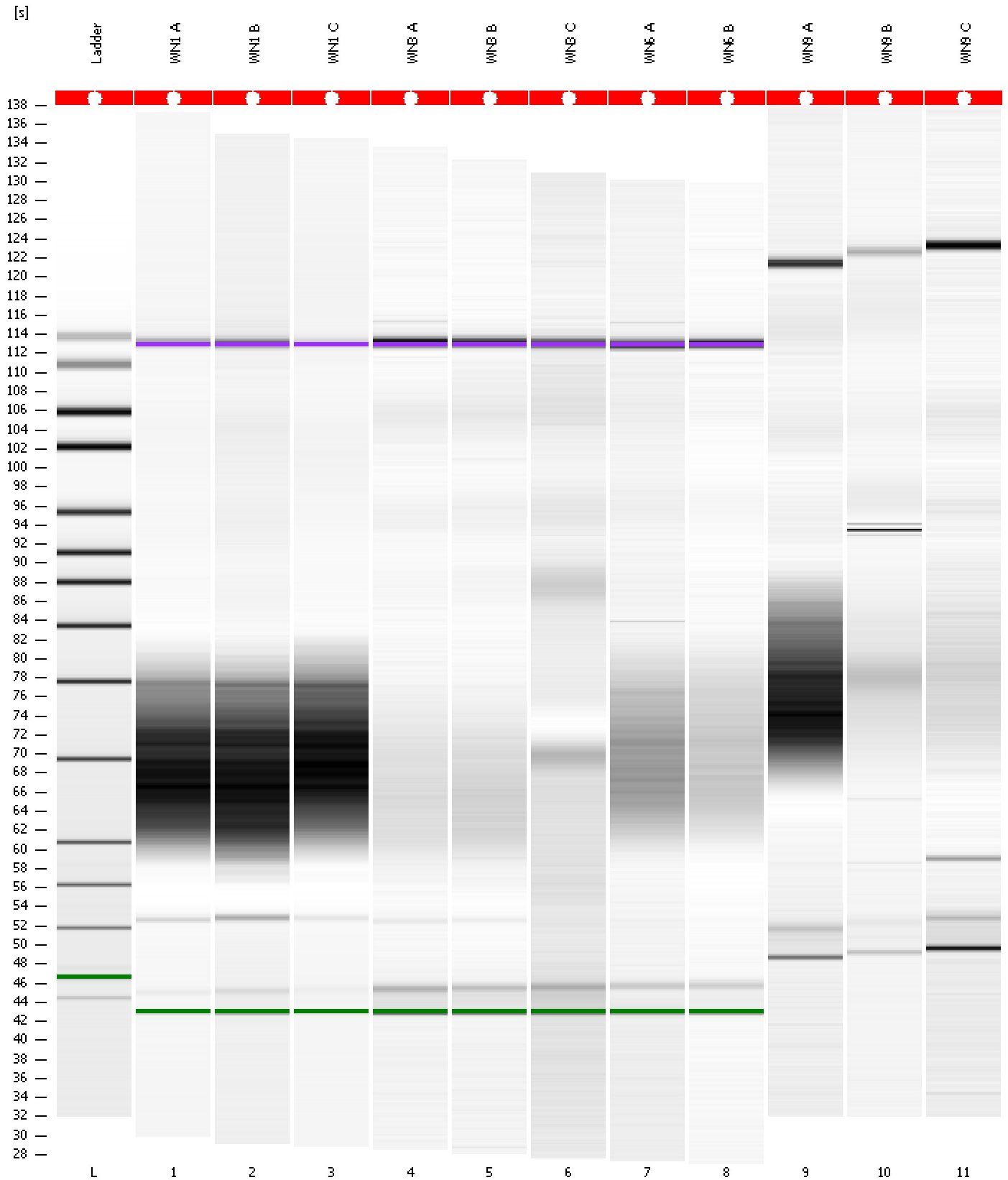
Peak table for sample 11 : WN9 C

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		123.20

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

Created: 5/10/2016 3:21:46 PM
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Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad

Created: 5/10/2016 3:21:46 PM
 Modified: 5/10/2016 4:07:14 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		5/10/2016 4:03:04 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-05-10\2016-05-10_002.xad)		Instrument	Run		5/10/2016 3:21:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/10/2016 3:21:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/10/2016 3:21:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/10/2016 3:21:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/10/2016 3:21:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/10/2016 3:21:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/10/2016 3:21:52 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1