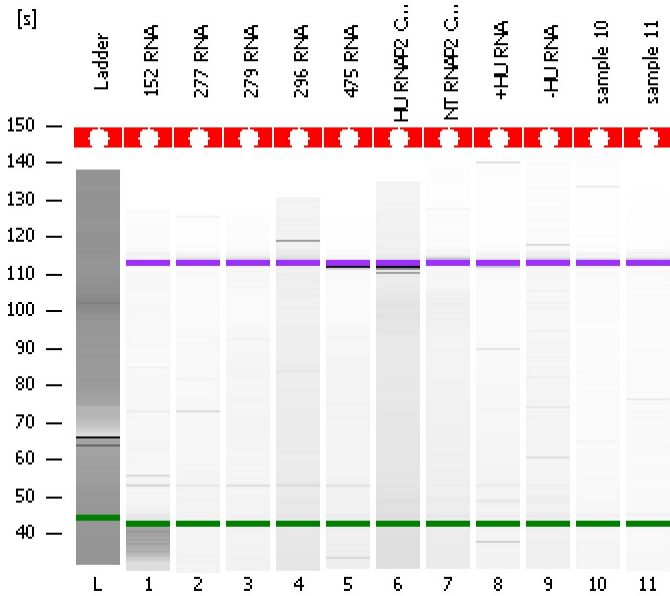


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
Modified: 12/9/2016 2:20:10 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

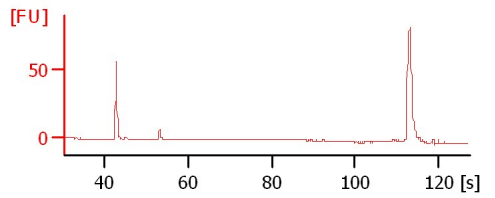
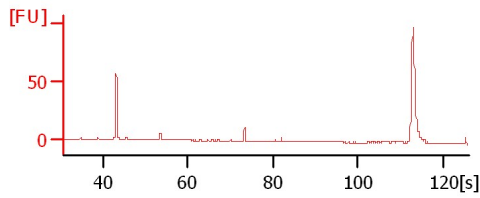
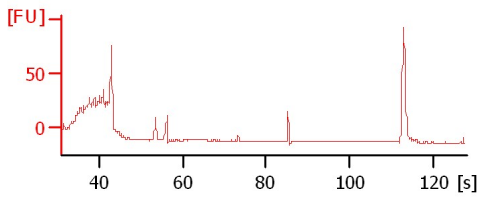
Chip Information:

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

152 RNA

277 RNA

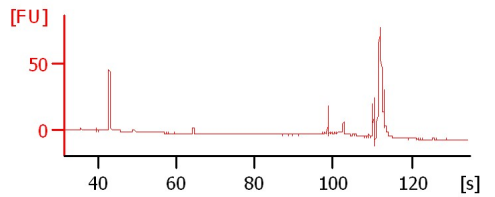
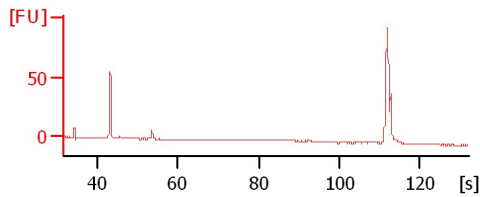
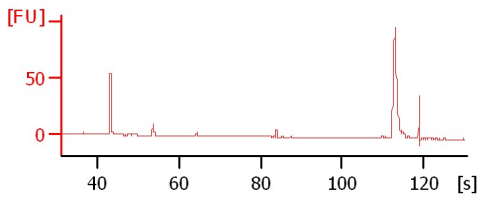
279 RNA



296 RNA

475 RNA

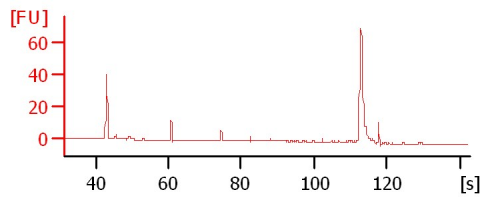
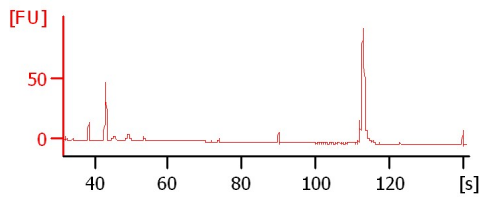
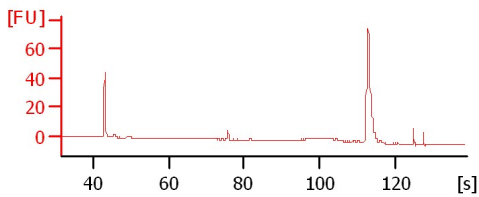
HU RNAP2 ChIP



NT RNAP2 ChIP

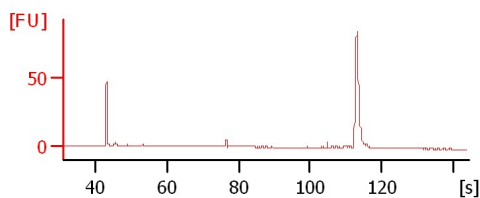
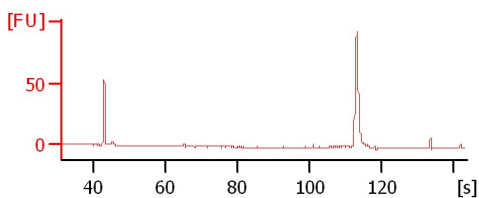
+HU RNA

-HU RNA



sample 10

sample 11



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
Modified: 12/9/2016 2:20:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
152 RNA		<input type="checkbox"/>	✓			
277 RNA		<input type="checkbox"/>	✓			
279 RNA		<input type="checkbox"/>	✓			
296 RNA		<input type="checkbox"/>	✓			
475 RNA		<input type="checkbox"/>	✓			
HU RNAP2 ChIP		<input type="checkbox"/>	✓			
NT RNAP2 ChIP		<input type="checkbox"/>	✓			
+HU RNA		<input type="checkbox"/>	✓			
-HU RNA		<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:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
Modified: 12/9/2016 2:20:10 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

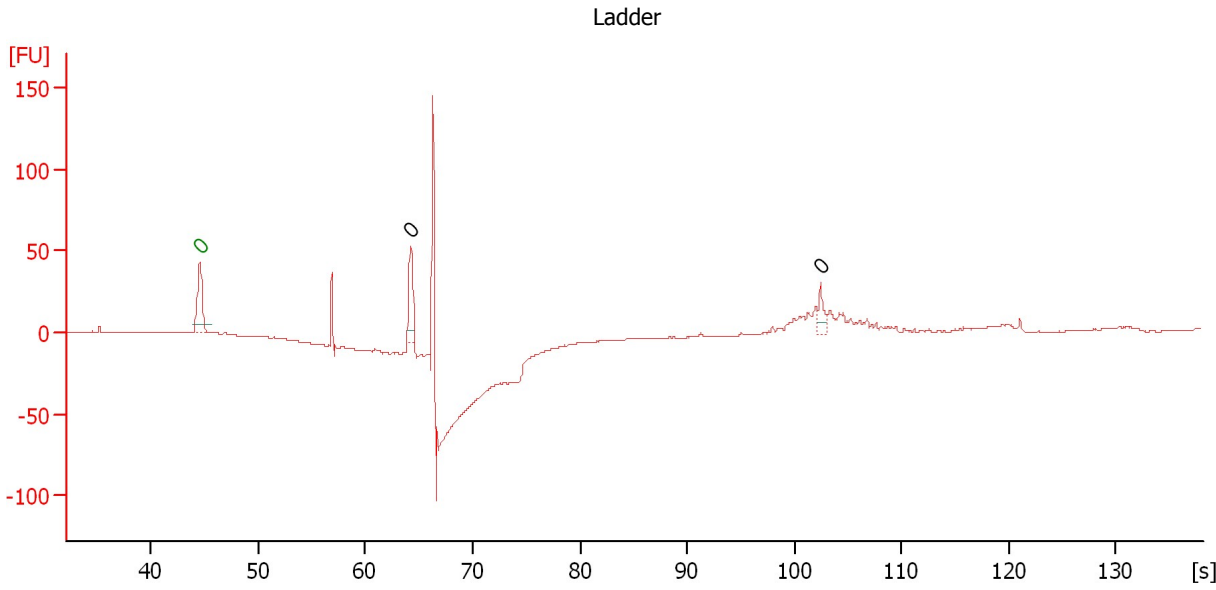
Ladder

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:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

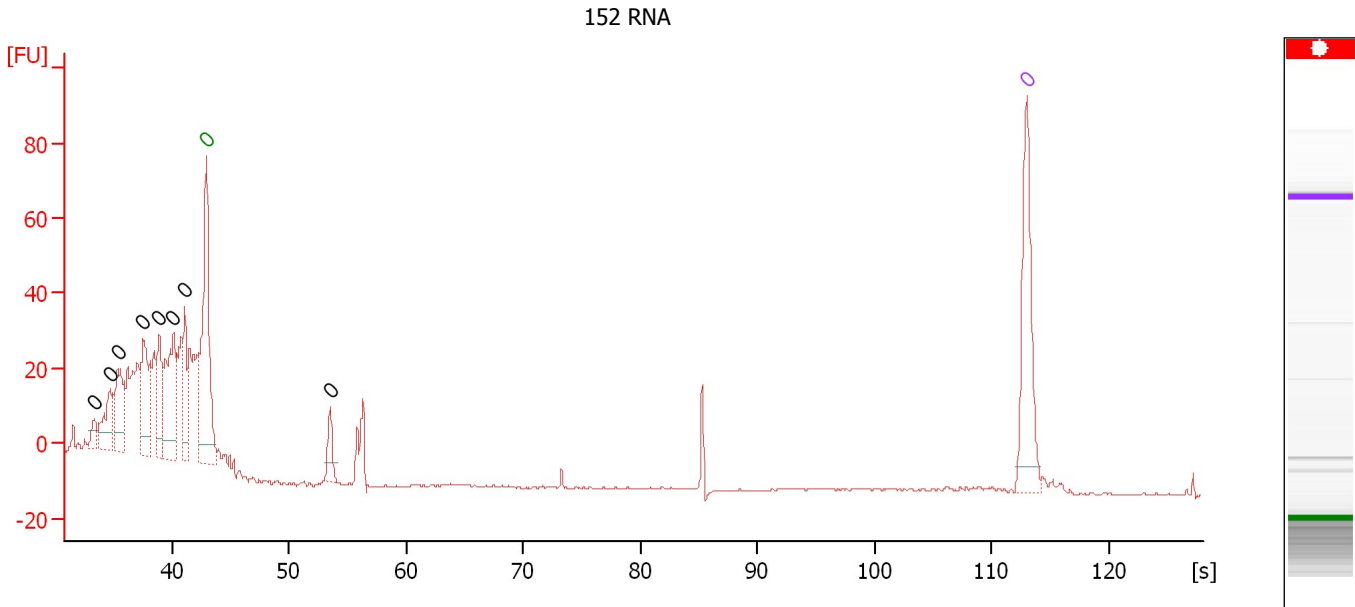
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	44.55
2	0	0.00	0.0	Ladder Peak	64.25
3	0	0.00	0.0	Ladder Peak	102.45

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
 Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 152 RNA

Number of peaks found: 8 Noise: 0.2

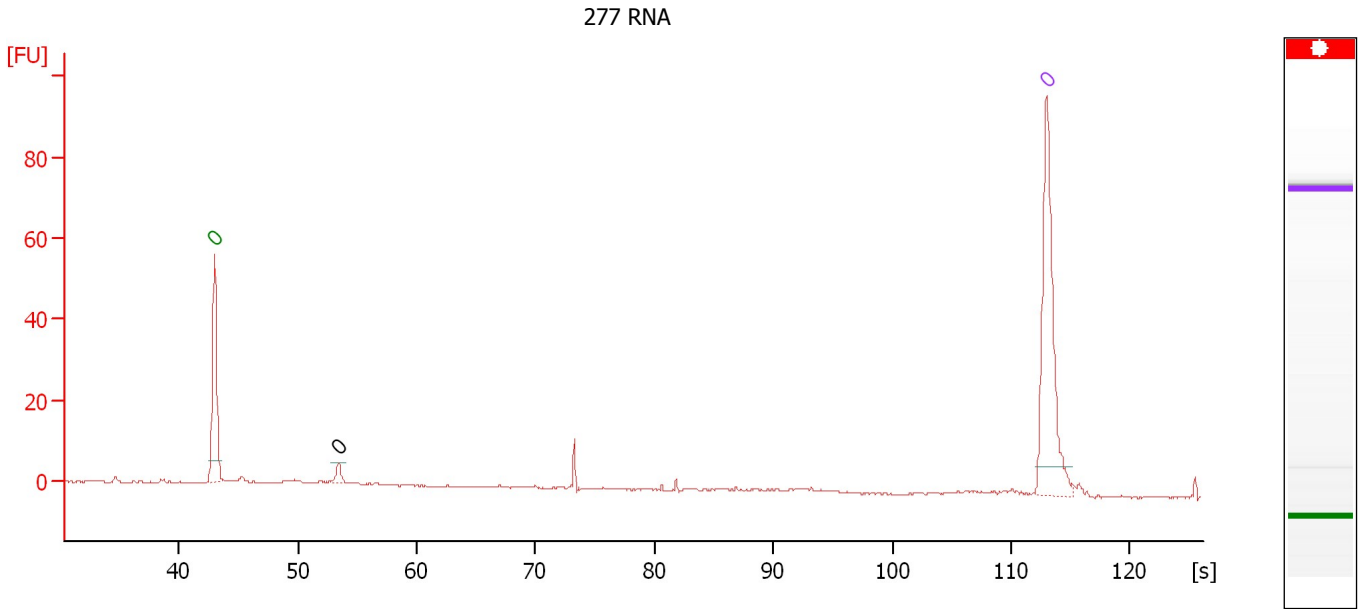
Peak table for sample 1 : 152 RNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		33.42
2	0	0.00	0.0		34.70
3	0	0.00	0.0		35.39
4	0	0.00	0.0		37.59
5	0	0.00	0.0		38.92
6	0	0.00	0.0		40.16
7	0	0.00	0.0		41.12
8	0	0.00	0.0	Lower Marker	43.00
9	0	0.00	0.0		53.54
10	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 277 RNA

Number of peaks found: 1 Noise: 0.2

Peak table for sample 2 : 277 RNA

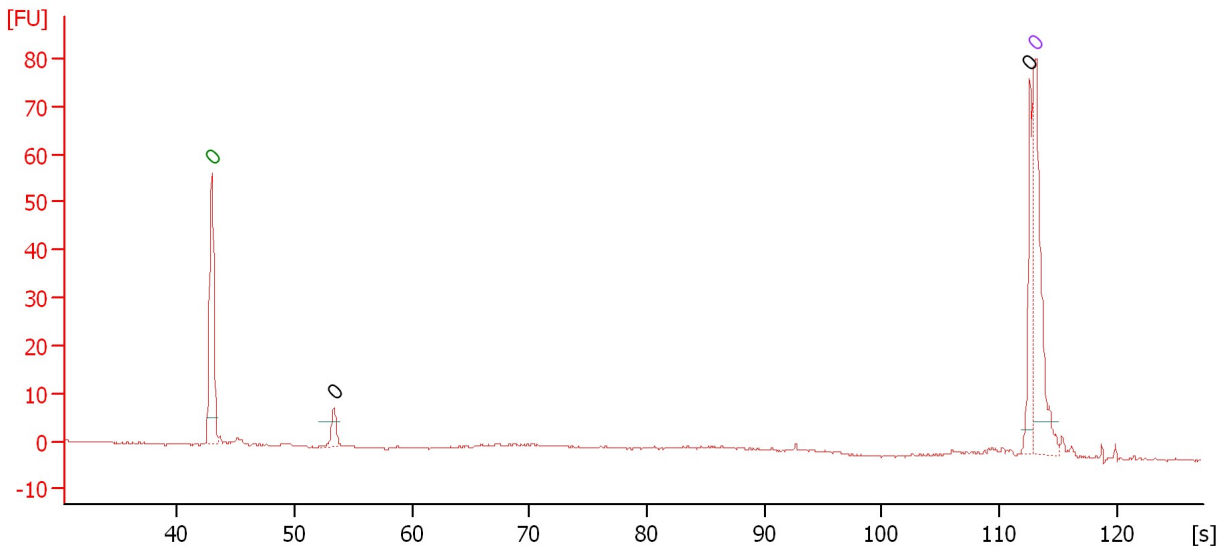
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		53.44
3	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary Continued ...

279 RNA



Overall Results for sample 3 : 279 RNA

Number of peaks found: 2 Noise: 0.2

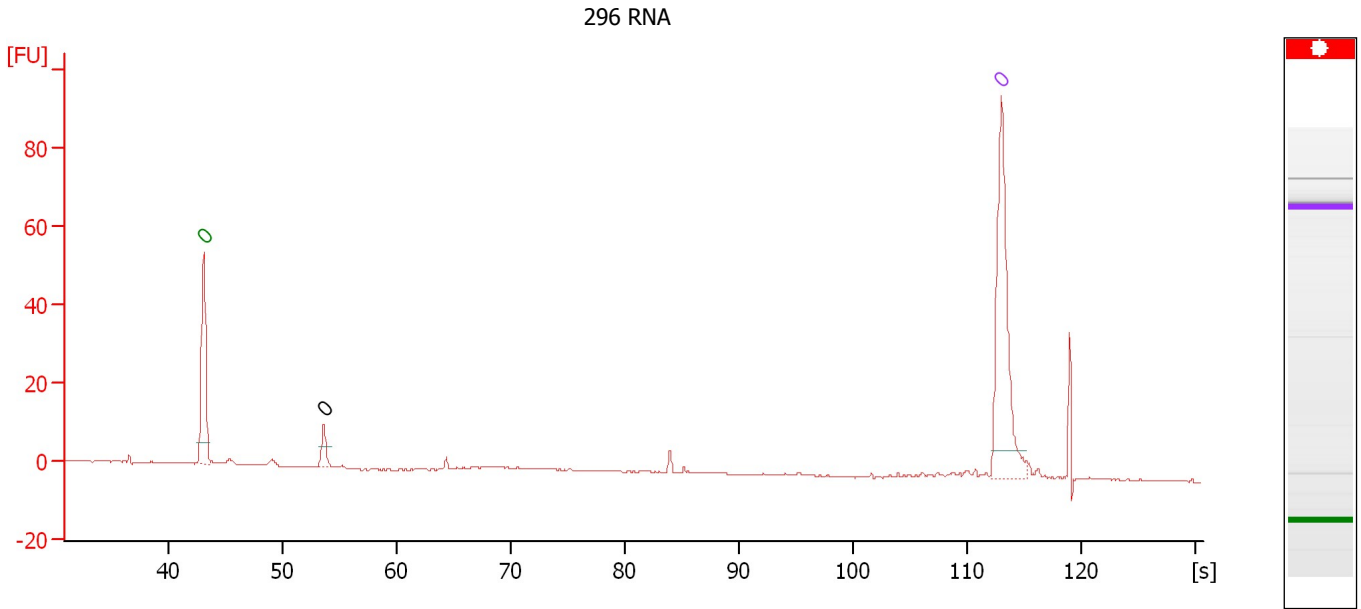
Peak table for sample 3 : 279 RNA

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		53.37
3	0	0.00	0.0		112.59
4	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 296 RNA

Number of peaks found: 1 Noise: 0.2

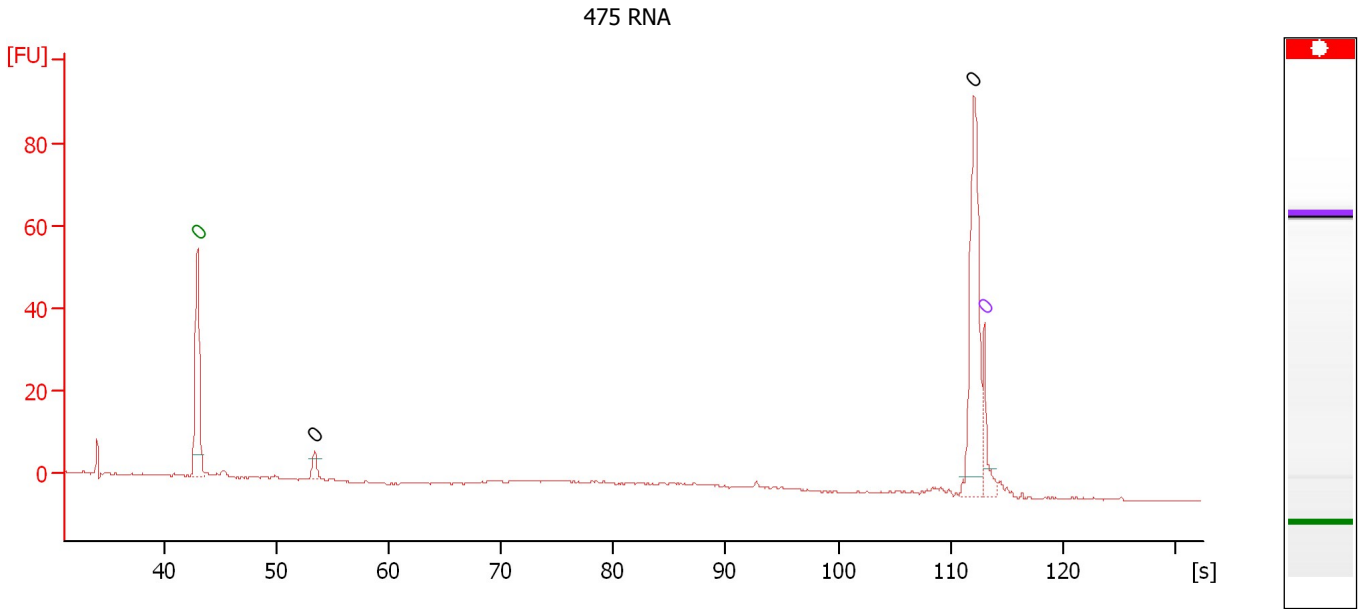
Peak table for sample 4 : 296 RNA

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		53.55
3	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
 Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 475 RNA

Number of peaks found: 2 Noise: 0.1

Peak table for sample 5 : 475 RNA

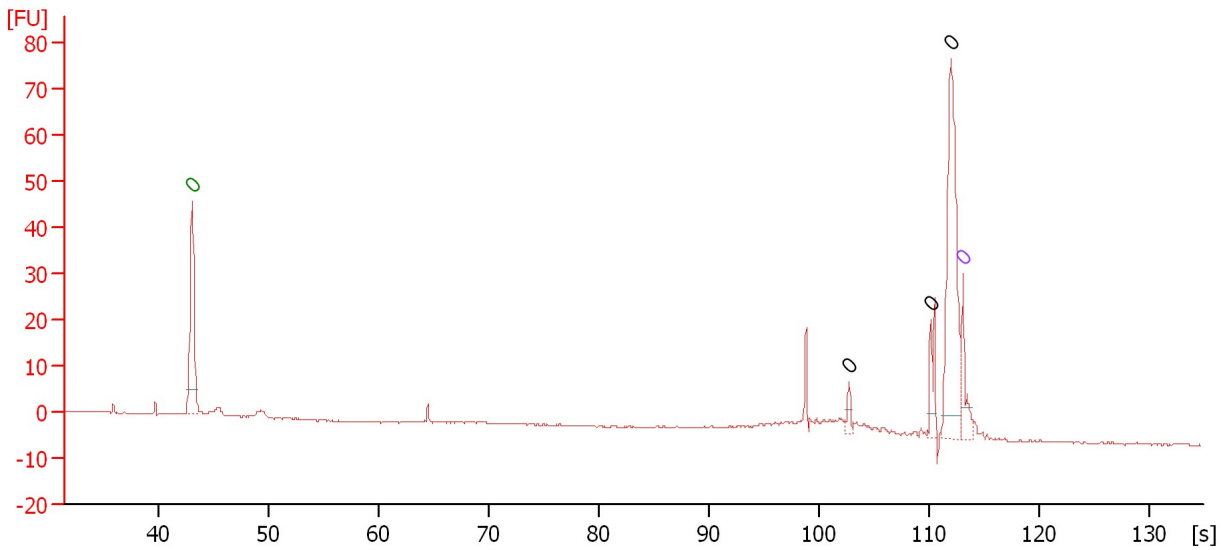
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.00
2	0	0.00	0.0		53.42
3	0	0.00	0.0		112.09
4	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
 Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary Continued ...

HU RNAP2 ChIP



Overall Results for sample 6 : HU RNAP2 ChIP

Number of peaks found: 3 Noise: 0.1

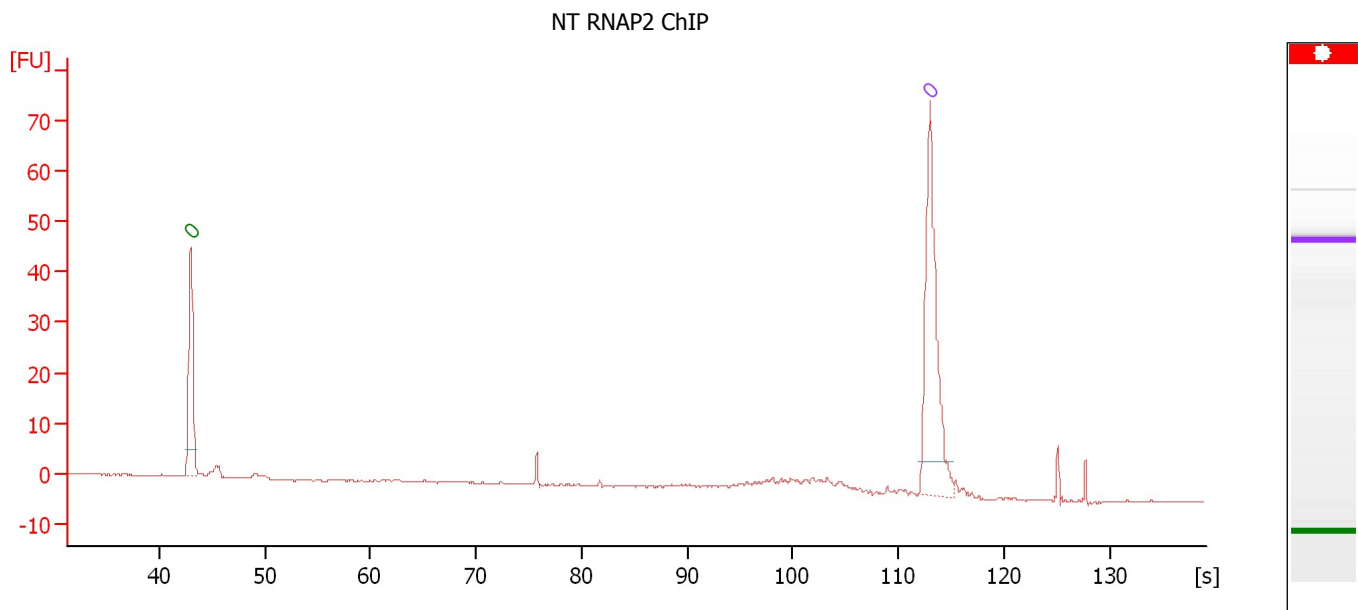
Peak table for sample 6 : HU RNAP2 ChIP

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		102.66
3	0	0.00	0.0		110.07
4	0	0.00	0.0		111.93
5	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
 Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : NT RNAP2 ChIP

Number of peaks found: 0 Noise: 0.1

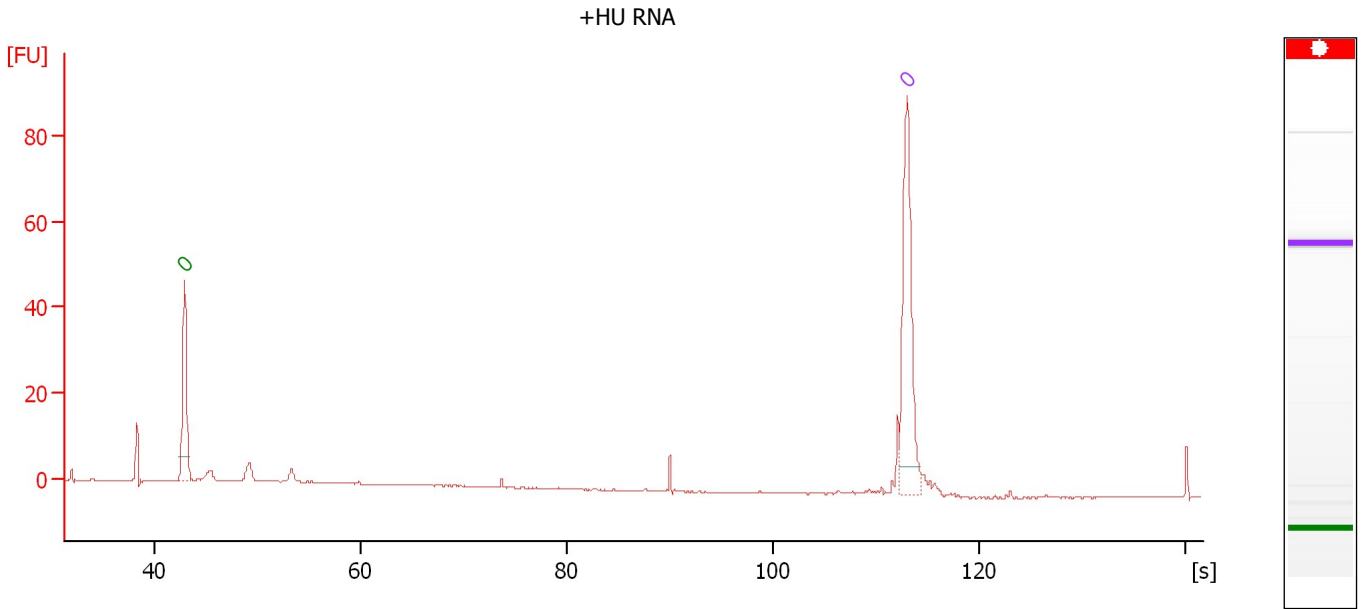
Peak table for sample 7 : NT RNAP2 ChIP

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\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
 Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : +HU RNA

Number of peaks found: 0 Noise: 0.2

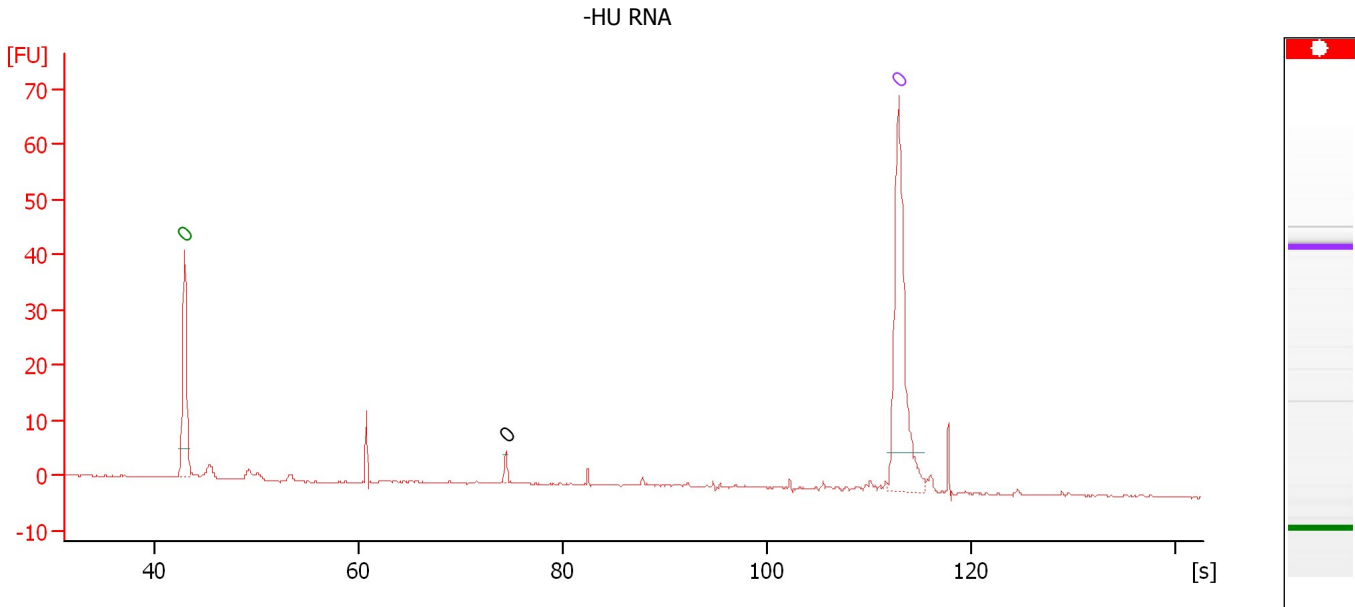
Peak table for sample 8 : +HU RNA

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\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
 Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : -HU RNA

Number of peaks found: 1 Noise: 0.1

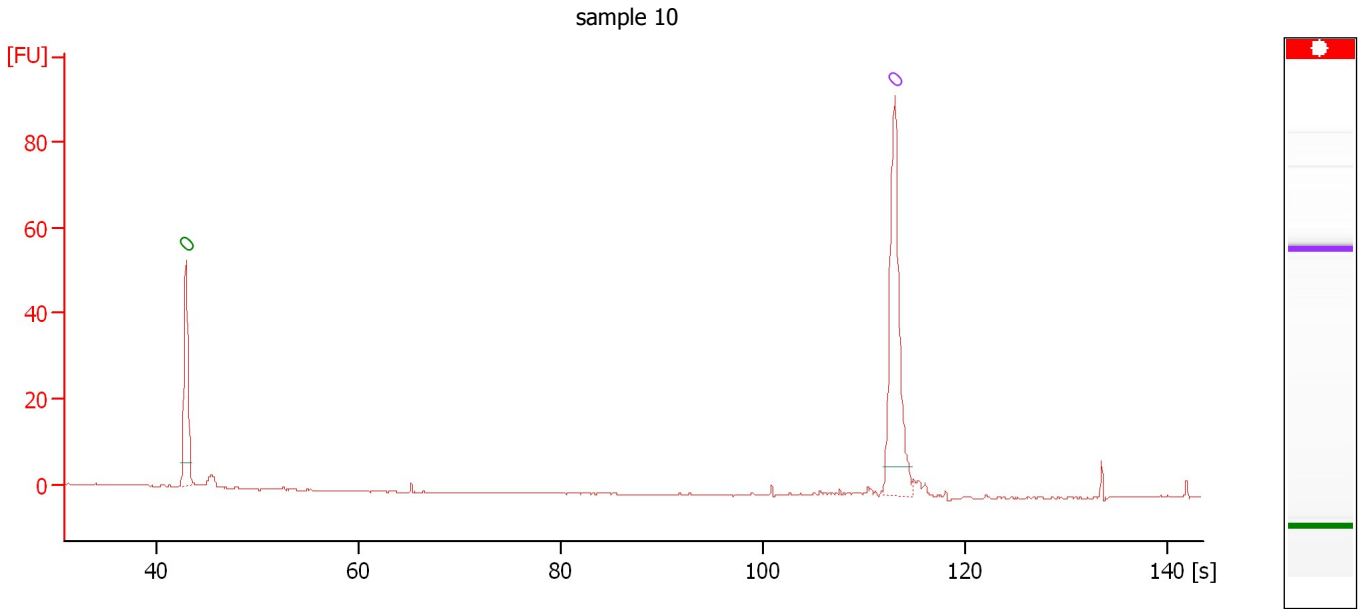
Peak table for sample 9 : -HU RNA

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		74.47
3	0	0.00	0.0	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 0 Noise: 0.1

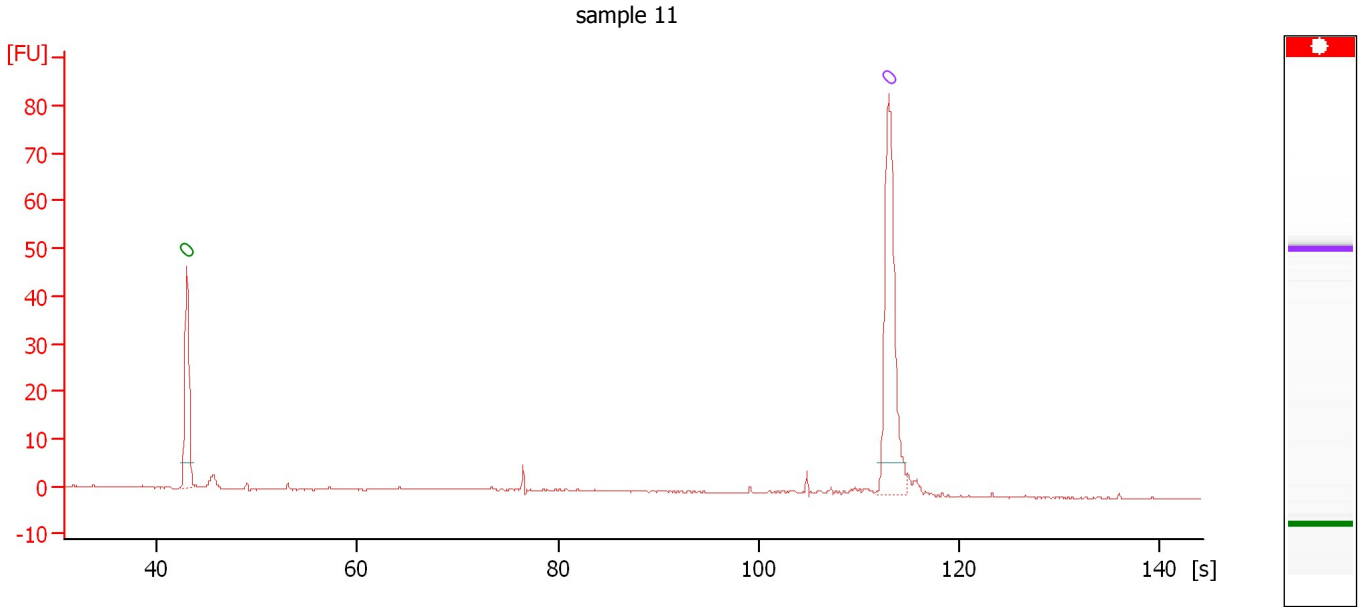
Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	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\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
Modified: 12/9/2016 2:20:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 0 Noise: 0.1

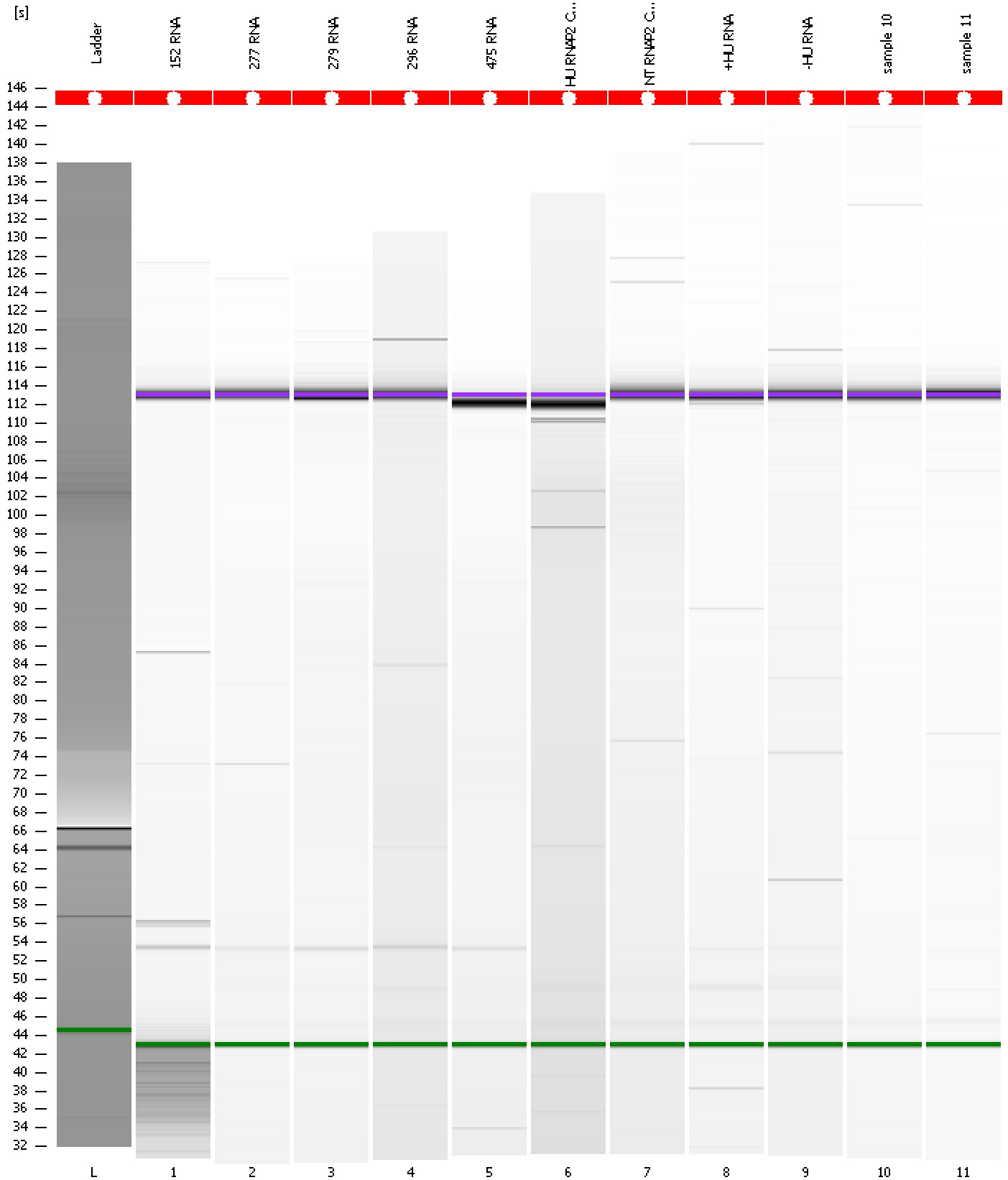
Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	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\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
Modified: 12/9/2016 2:20:10 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad

Created: 12/9/2016 1:27:35 PM
 Modified: 12/9/2016 2:20:10 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		12/9/2016 2:08:53 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-12-09\2016-12-09_003.xad)		Instrument	Run		12/9/2016 1:27:41 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/9/2016 1:27:41 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/9/2016 1:27:41 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/9/2016 1:27:41 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/9/2016 1:27:41 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/9/2016 1:27:41 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/9/2016 1:27:41 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1