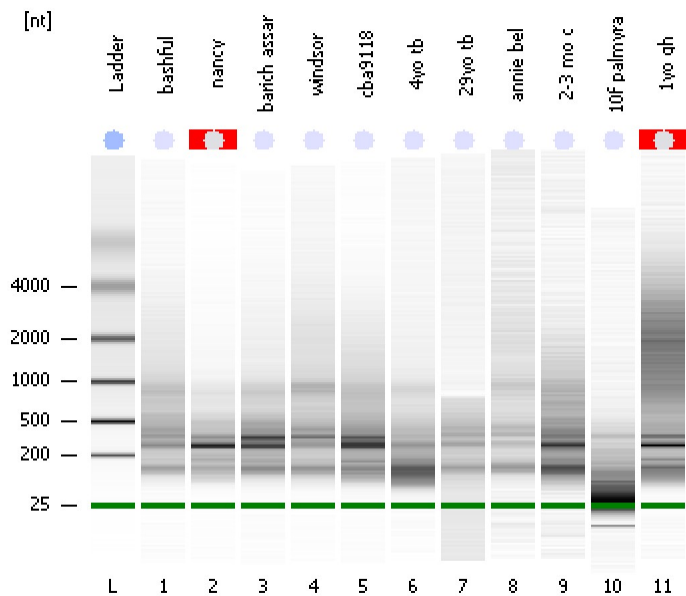


Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
 Modified: 10/8/2014 9:28:24 AM

**Electrophoresis File Run Summary**



Instrument Information:

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

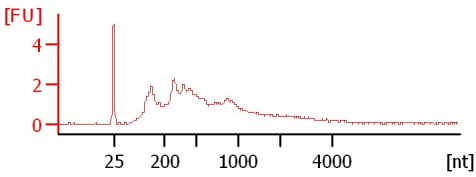
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy  
 Assay Class: Eukaryote Total RNA Pico  
 Version: 2.6  
 Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)  
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

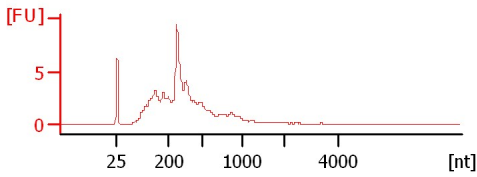
Chip Information:

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

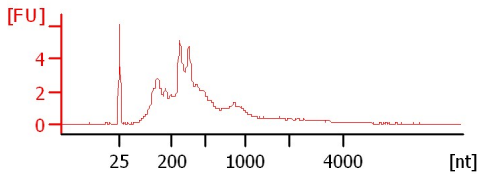
**bashful**  
 RIN: 2.30



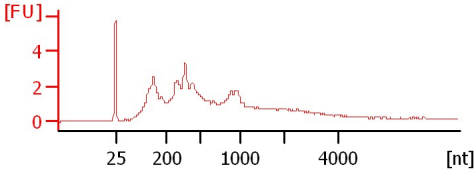
**nancy**  
 RIN N/A



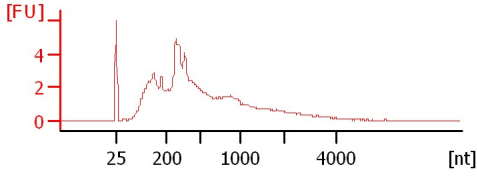
**barich assar**  
 RIN: 2.10



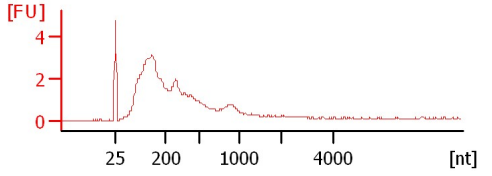
**windsor**  
 RIN: 2.30



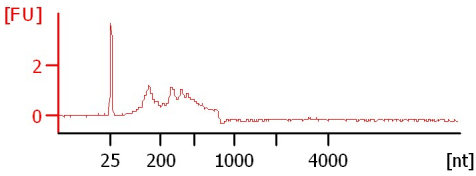
**cba9118**  
 RIN: 2.20



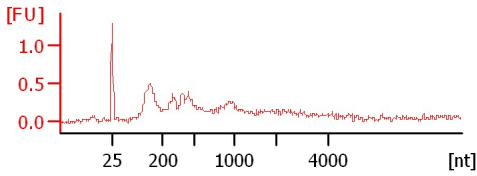
**4yo tb**  
 RIN: 2.40



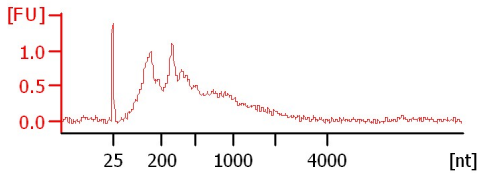
**29yo tb**  
 RIN: 2.30



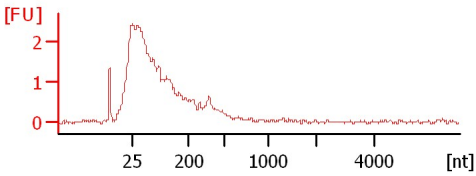
**annie bel**  
 RIN: 2.30



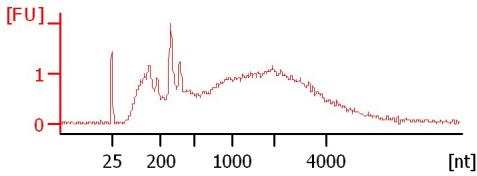
**2-3 mo c**  
 RIN: 2.20



**10f palmyra**  
 RIN: 2.40



**1yo qh**  
 RIN N/A



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
 Modified: 10/8/2014 9:28:24 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
bashful		✓	RIN: 2.30	
nancy		✓	RIN N/A	
barich assar		✓	RIN: 2.10	
windsor		✓	RIN: 2.30	
cba9118		✓	RIN: 2.20	
4yo tb		✓	RIN: 2.40	
29yo tb		✓	RIN: 2.30	
annie bel		✓	RIN: 2.30	
2-3 mo c		✓	RIN: 2.20	
10f palmyra		✓	RIN: 2.40	
1yo qh		✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 18  
End Analysis Time Range [s] : 69  
Ladder Concentration [pg/ $\mu$ l] : 1000  
Lower Marker Concentration [pg/ $\mu$ l] : 0  
Upper Marker Concentration [pg/ $\mu$ l] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 18  
Integration End Time [s] : 69  
Slope Threshold : 0.6  
Height Threshold [FU] : 0.5  
Area Threshold : 0.2  
Width Threshold [s] : 0.3  
Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

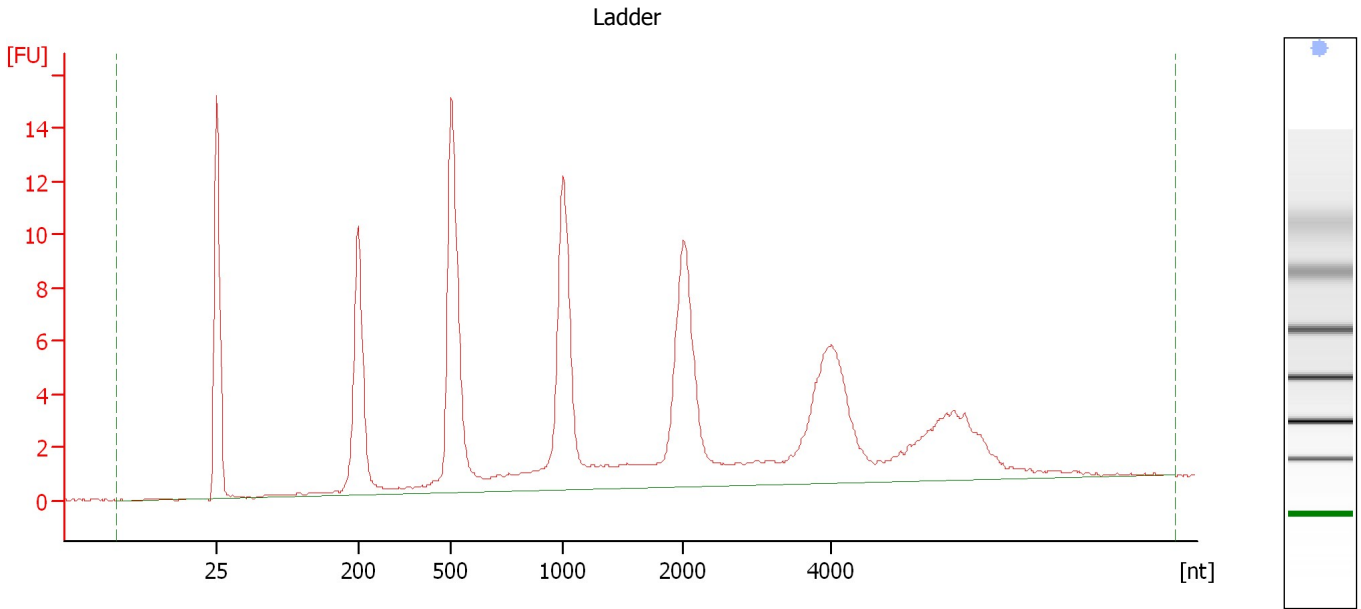
### Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary**



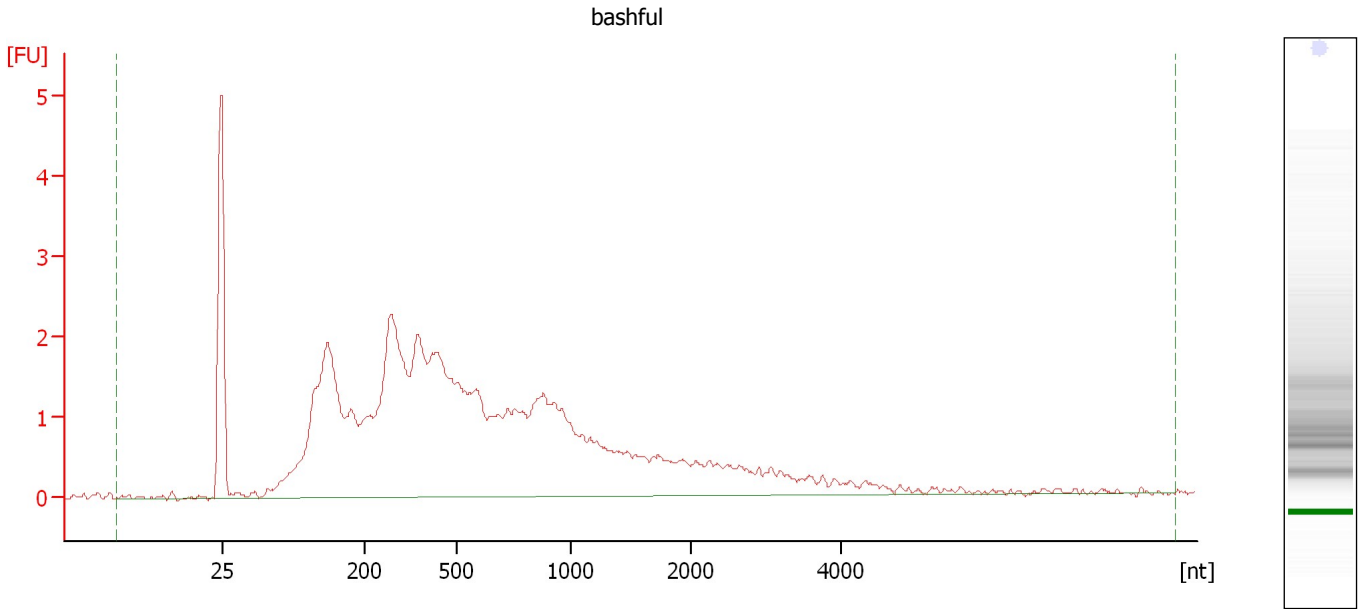
**Overall Results for Ladder**

RNA Area:	144.7	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary Continued ...**



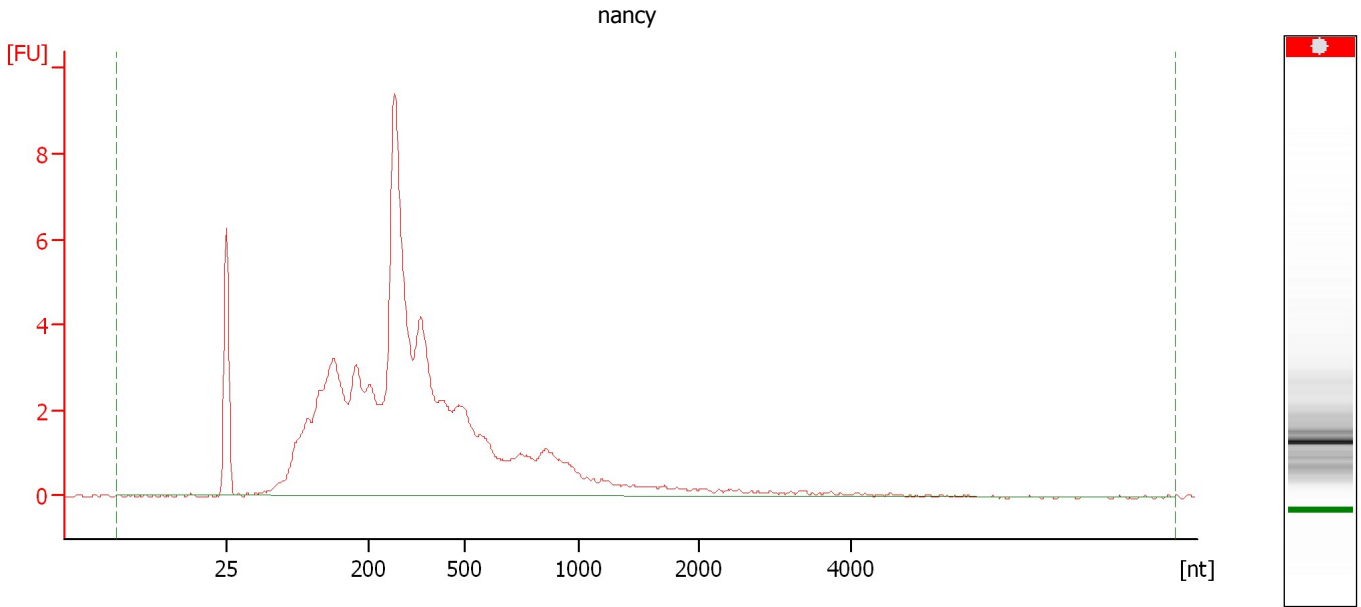
**Overall Results for sample 1 : bashful**

RNA Area:	63.1	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	436 µg/µl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary Continued ...**



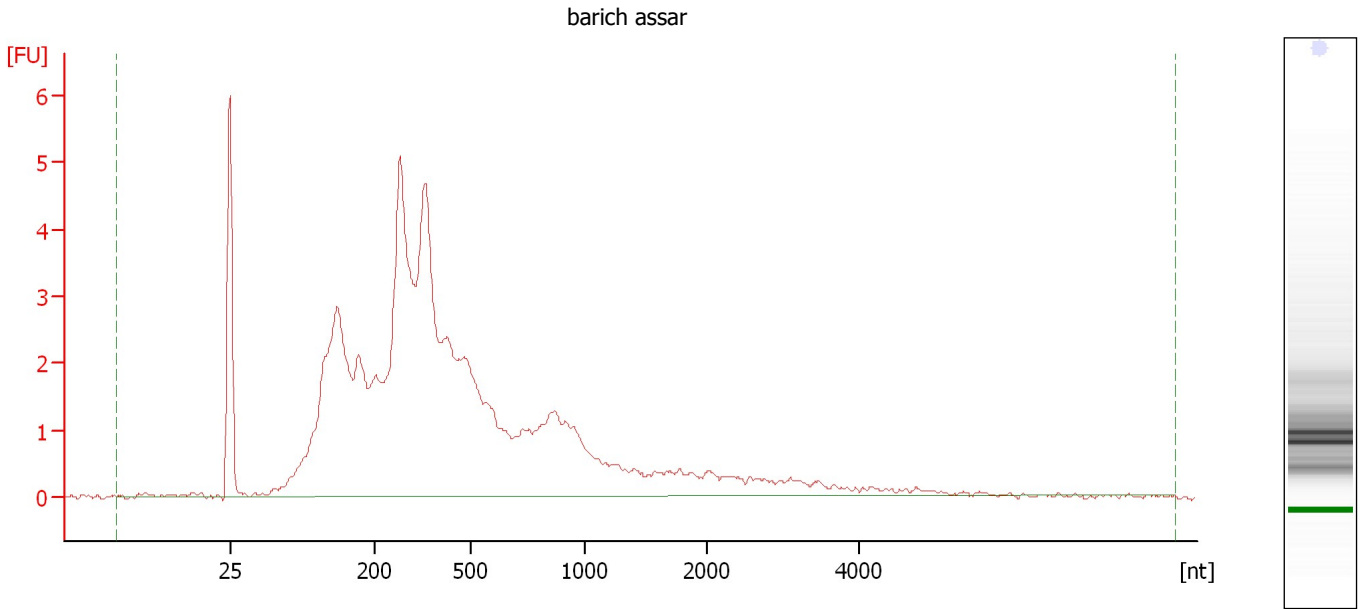
**Overall Results for sample 2 : nancy**

RNA Area:	94.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	654 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary Continued ...**



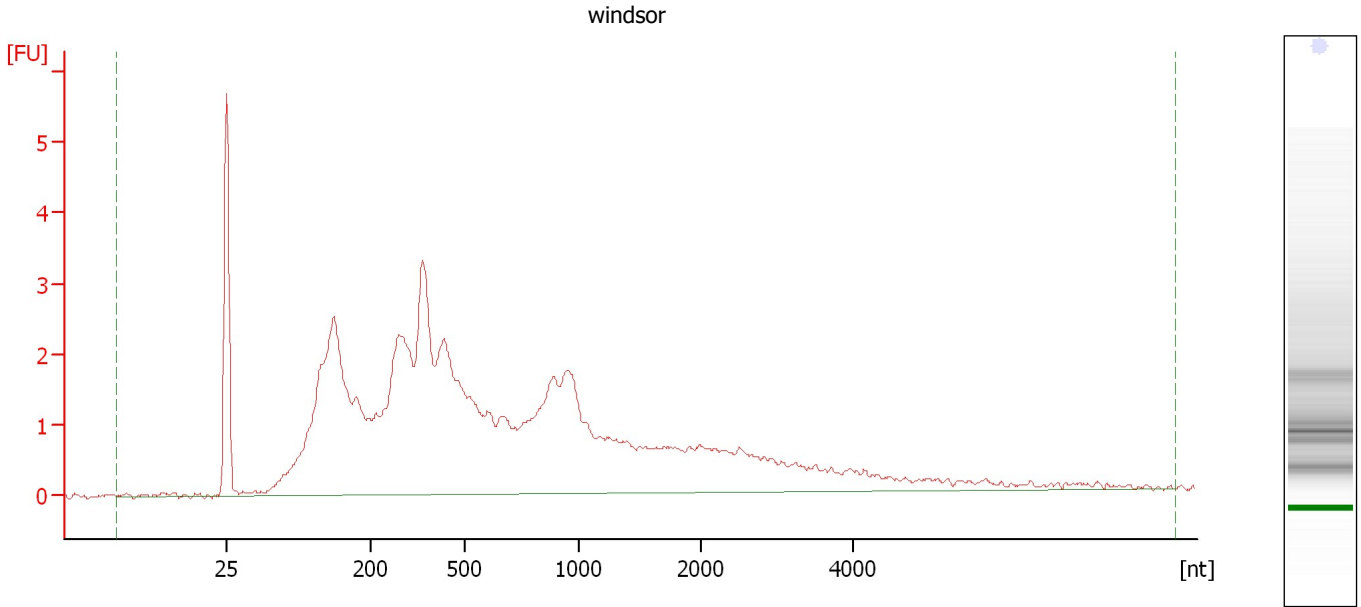
**Overall Results for sample 3 : barich assar**

RNA Area:	83.5	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	577 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : windsor**

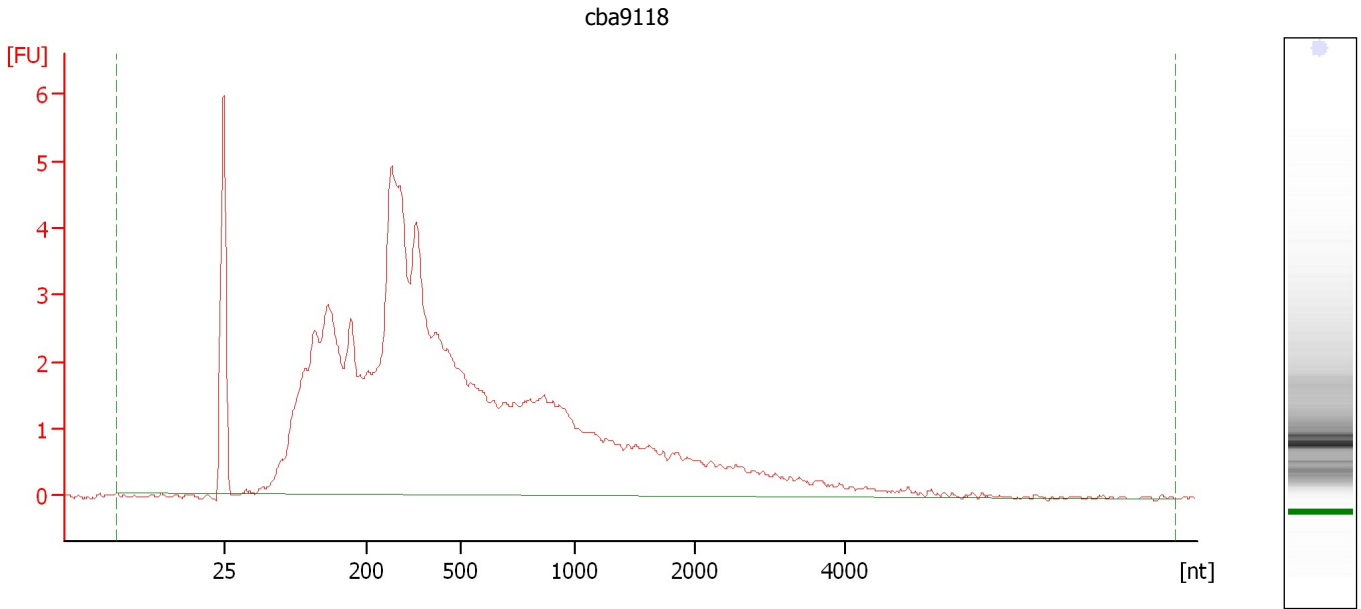
RNA Area:	78.2	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	541 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary Continued ...**



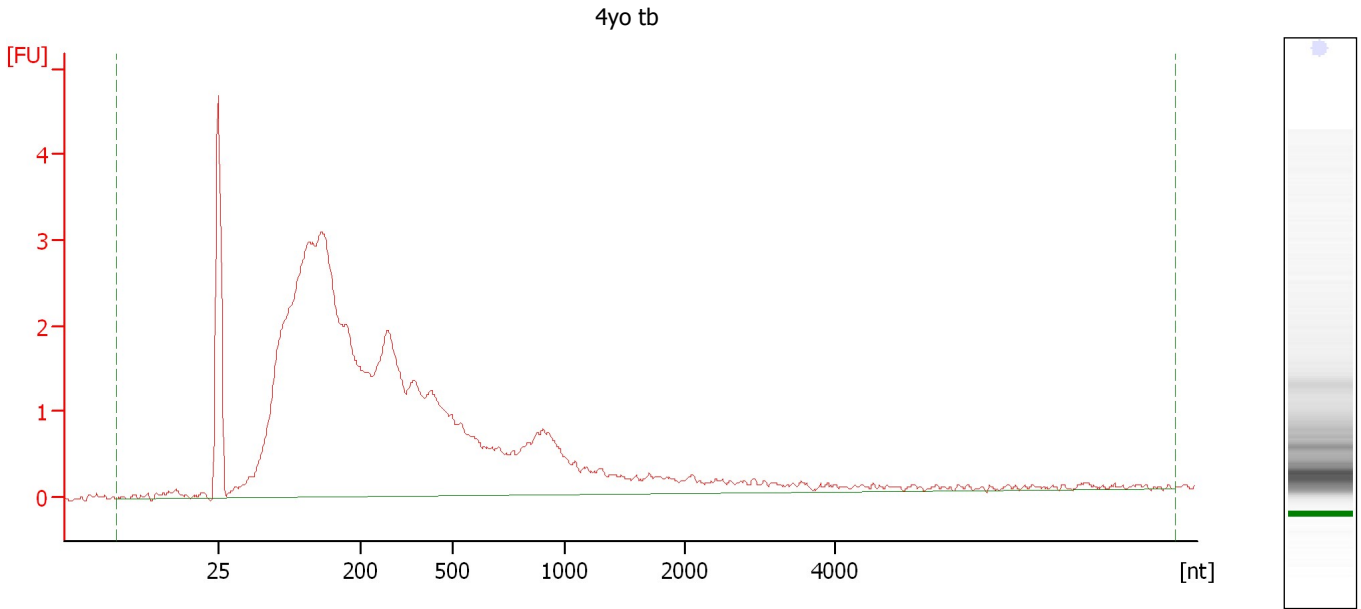
**Overall Results for sample 5 : cba9118**

RNA Area:	100.9	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	697 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary Continued ...**



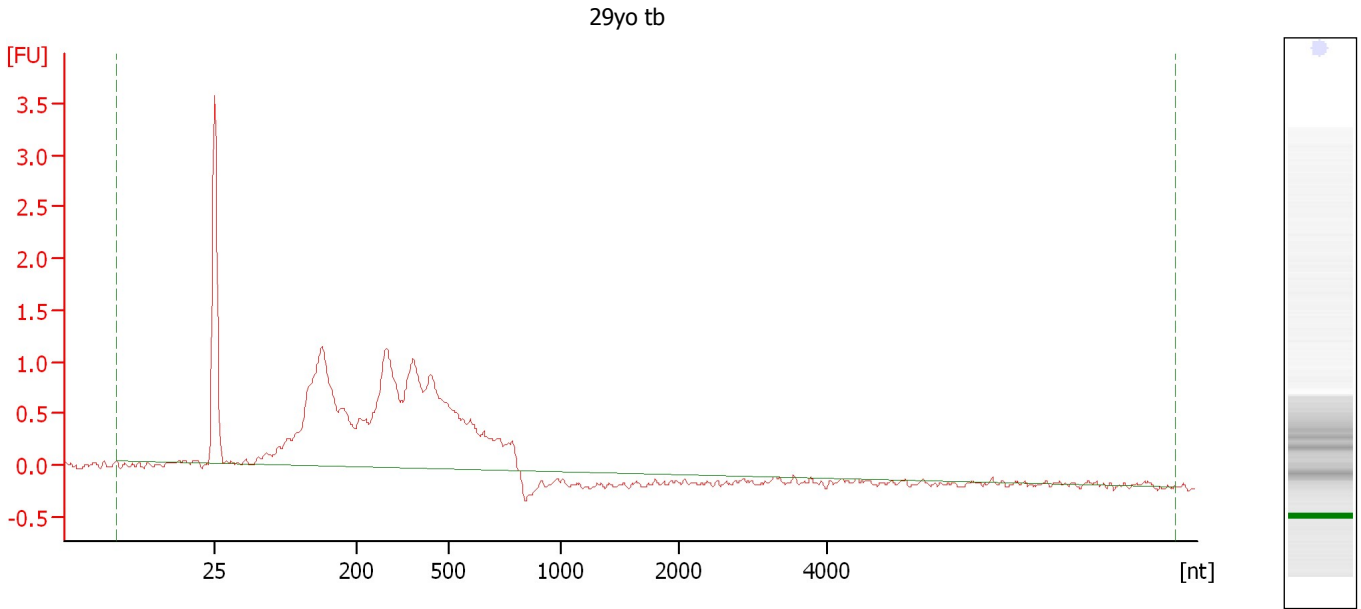
**Overall Results for sample 6 : 4yo tb**

RNA Area:	69.6	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	481 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary Continued ...**



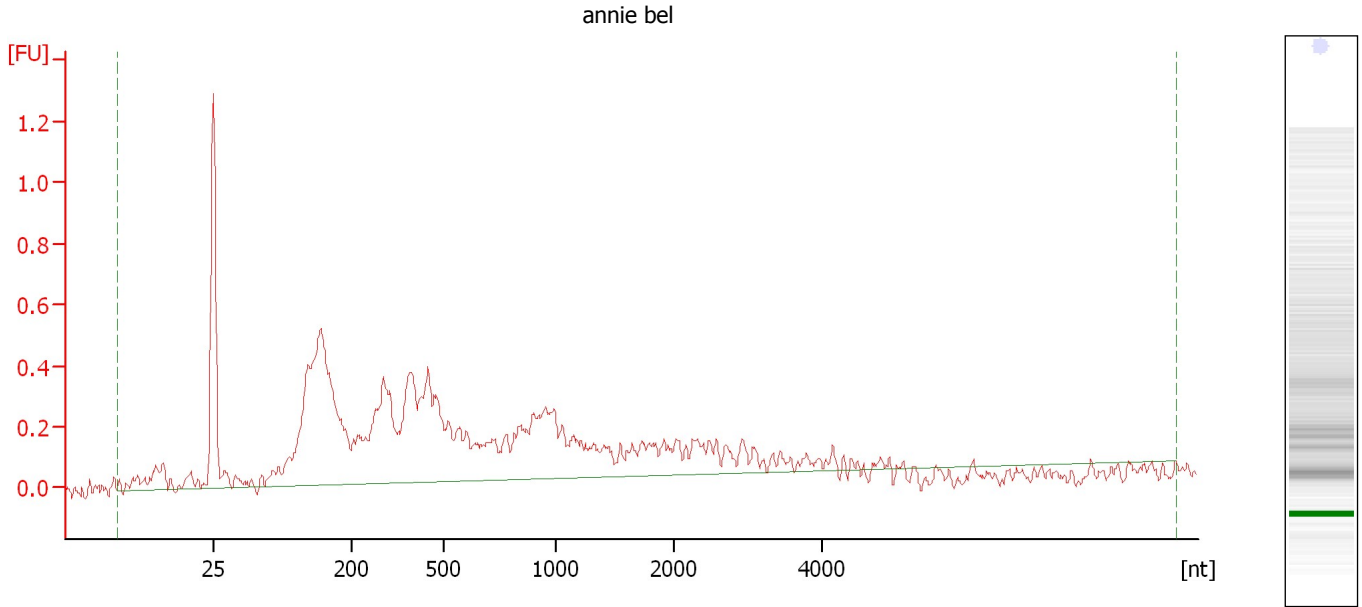
**Overall Results for sample 7 : 29yo tb**

RNA Area:	21.1	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	146 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary Continued ...**



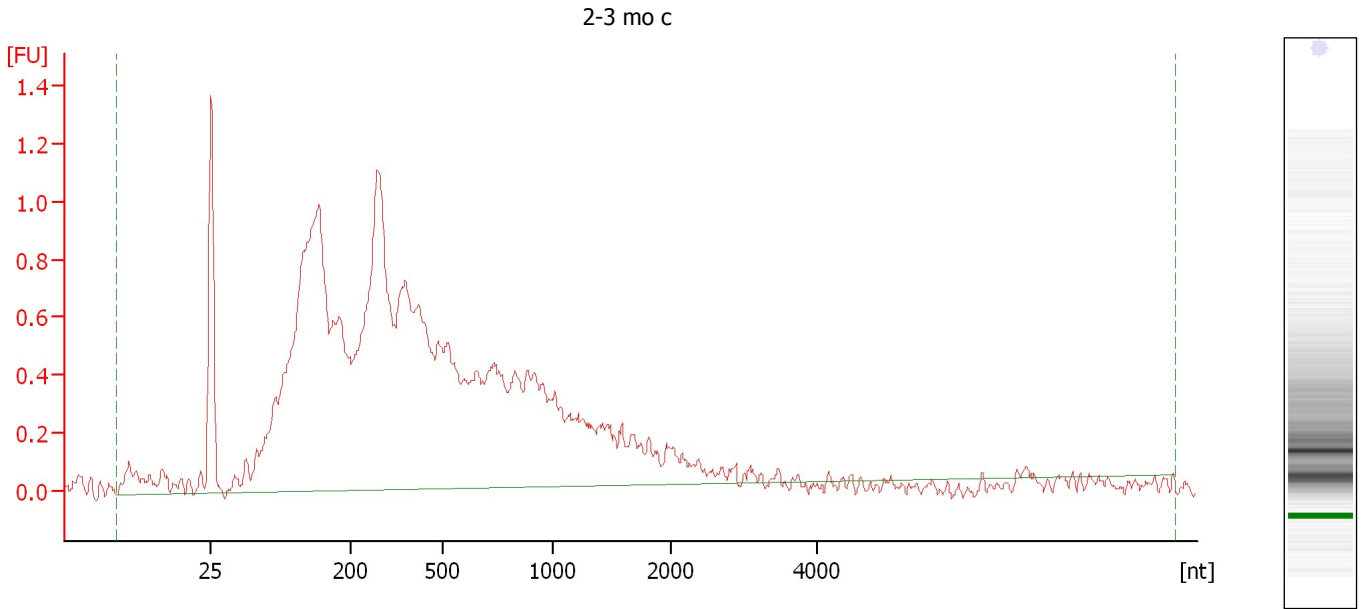
**Overall Results for sample 8 : annie bel**

RNA Area:	11.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	79 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary Continued ...**



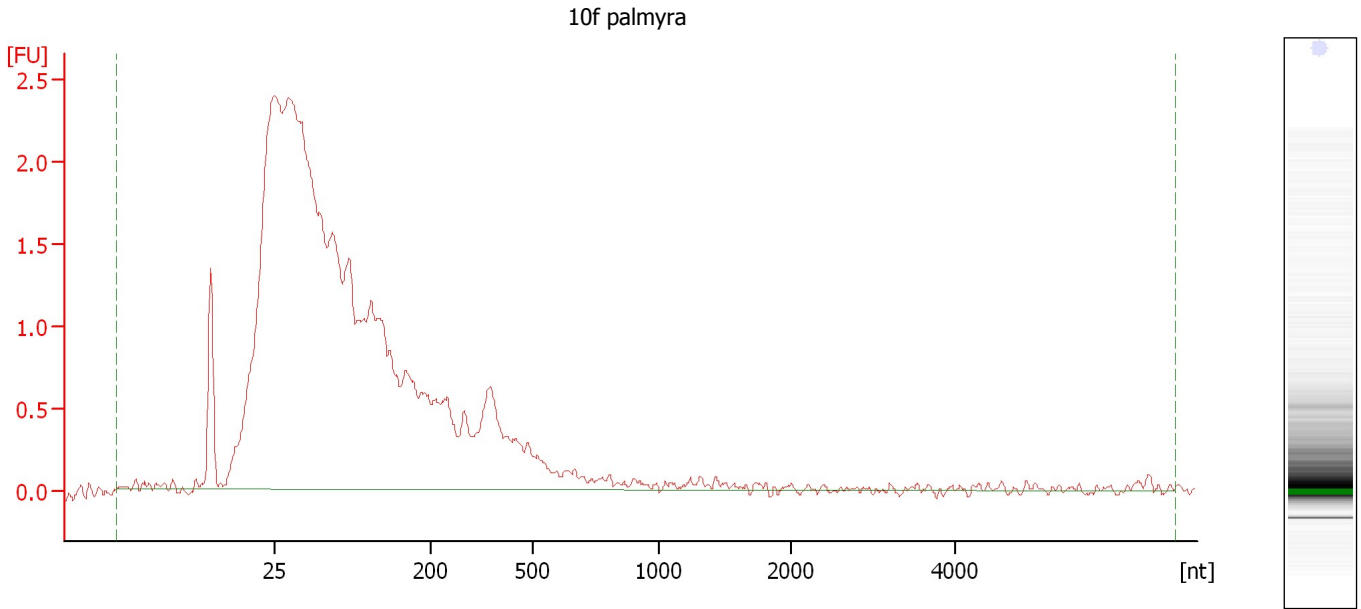
**Overall Results for sample 9 : 2-3 mo c**

RNA Area:	26.5	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	183 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary Continued ...**



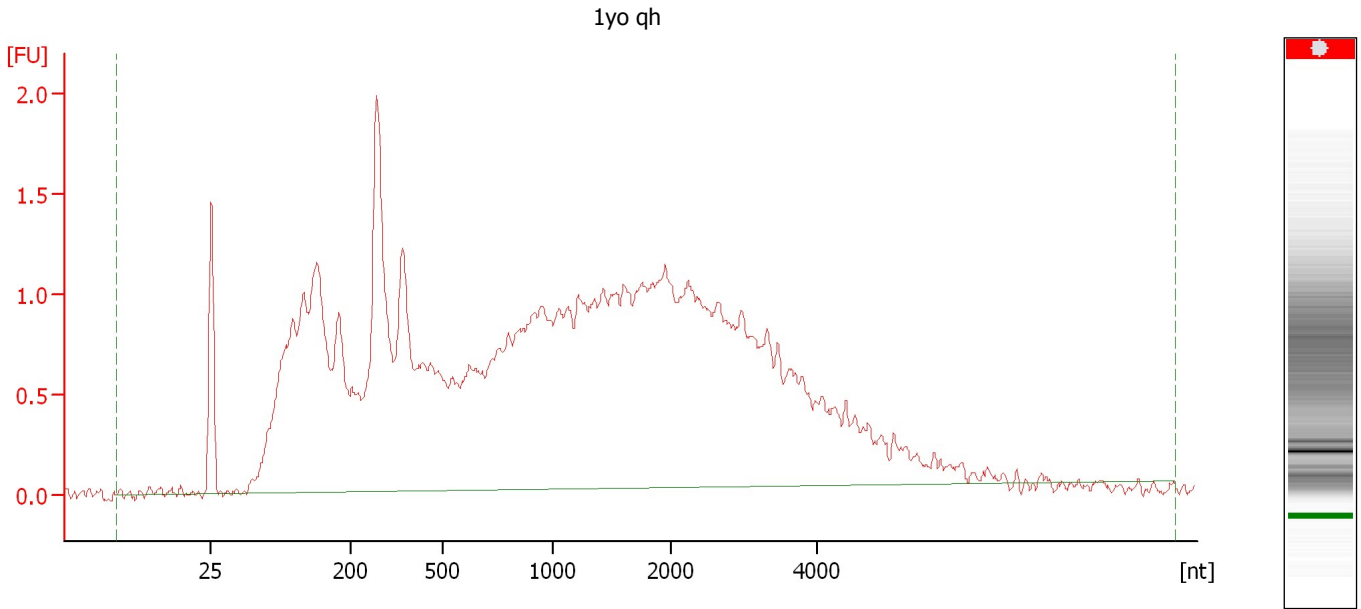
**Overall Results for sample 10 : 10f palmyra**

RNA Area:	32.9	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	228 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Electropherogram Summary Continued ...**



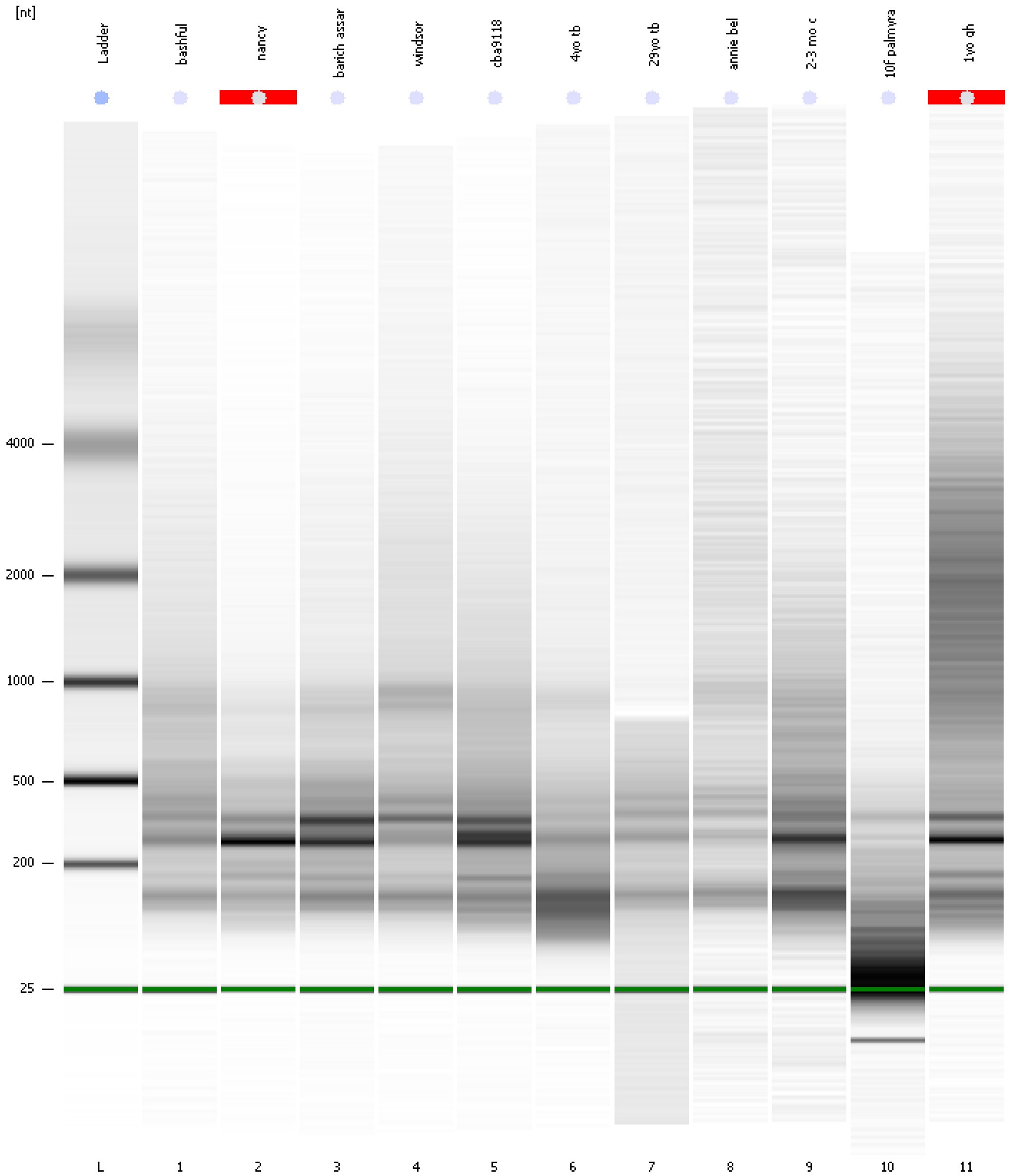
**Overall Results for sample 11 : 1yo qh**

RNA Area:	56.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	391 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Gel Image**



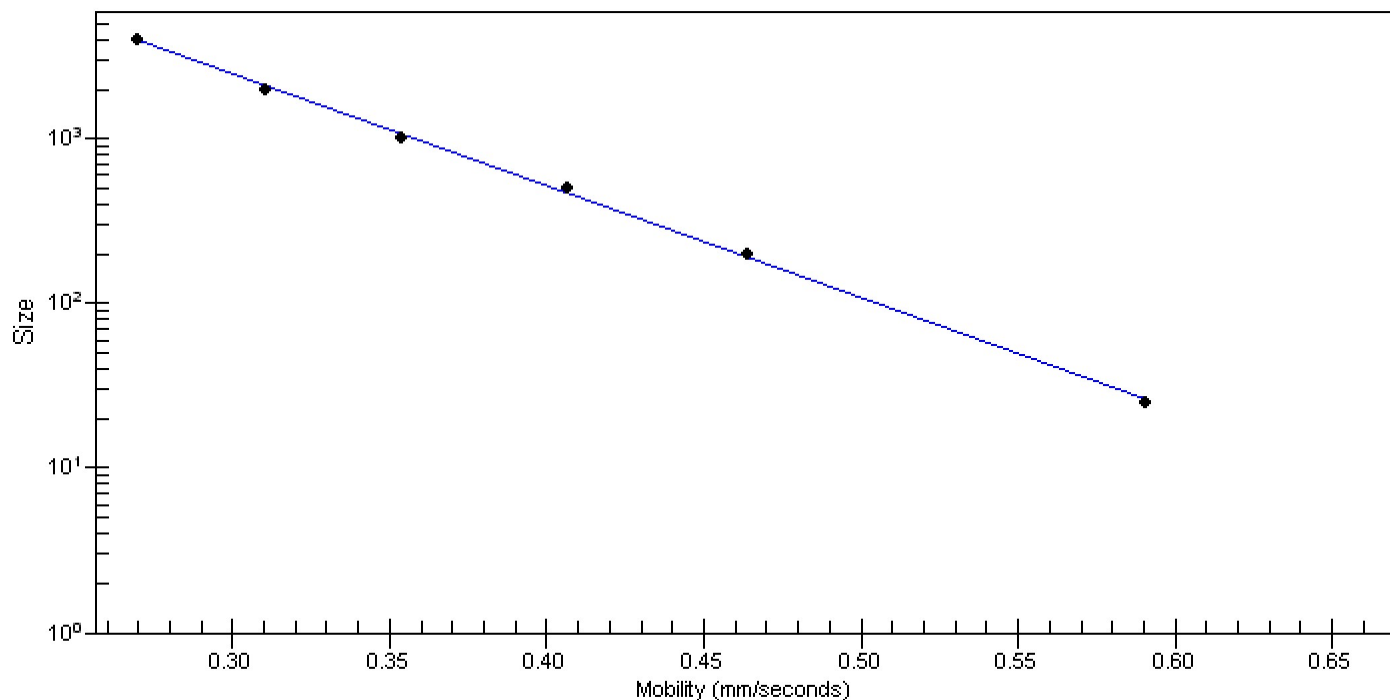


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
Modified: 10/8/2014 9:28:24 AM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-08\2014-10-08\_001.xad

Created: 10/8/2014 9:05:28 AM  
 Modified: 10/8/2014 9:28:24 AM

**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		10/8/2014 9:28:21 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-10-08\2014-10-08_001.xad)		Instrument	Run		10/8/2014 9:05:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		10/8/2014 9:05:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/8/2014 9:05:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/8/2014 9:05:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		10/8/2014 9:05:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/8/2014 9:05:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/8/2014 9:05:34 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1