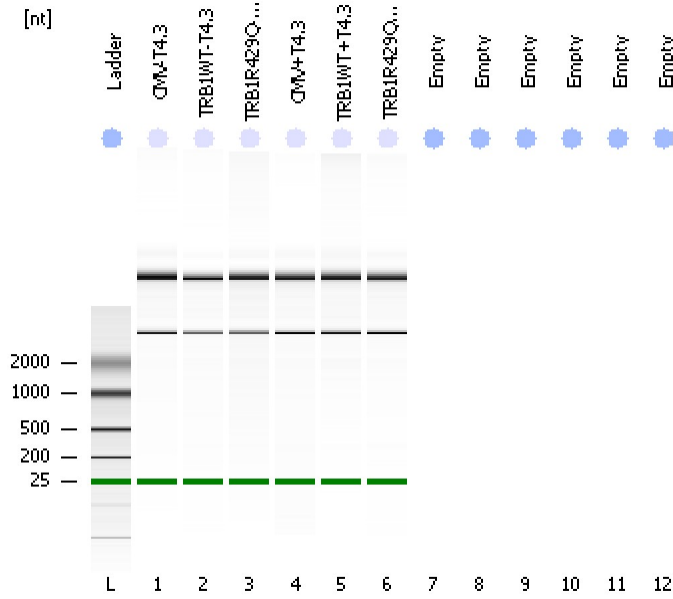


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

**Electrophoresis File Run Summary**



Instrument Information:

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

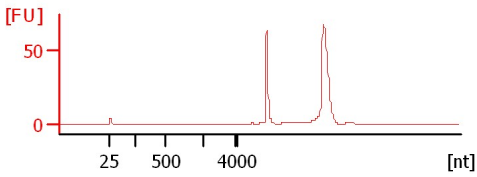
Assay Information:

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

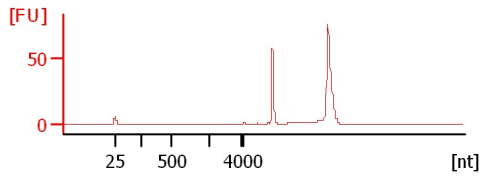
Chip Information:

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

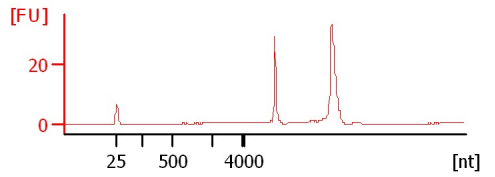
**CMV-T4.3**  
RIN: 9.70



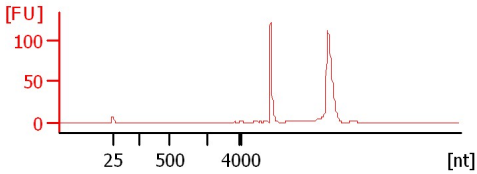
**TRB1WT-T4.3**  
RIN: 9.50



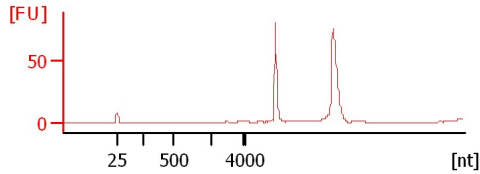
**TRB1R429Q-T4.3**  
RIN: 9.20



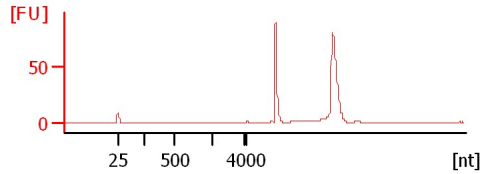
**CMV+T4.3**  
RIN: 9.60



**TRB1WT+T4.3**  
RIN: 9.60



**TRB1R429Q+T4.3**  
RIN: 9.60



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
CMV-T4.3		✓	RIN: 9.70	
TRB1WT-T4.3		✓	RIN: 9.50	
TRB1R429Q-T4.3		✓	RIN: 9.20	
CMV+T4.3		✓	RIN: 9.60	
TRB1WT+T4.3		✓	RIN: 9.60	
TRB1R429Q+T4.3		✓	RIN: 9.60	
Empty				
Empty				
Empty				
Empty				
Empty				
Empty				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 19  
End Analysis Time Range [s] : 69  
Ladder Concentration [ng/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ l] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 19  
Integration End Time [s] : 69  
Slope Threshold : 0.6  
Height Threshold [FU] : 0.5  
Area Threshold : 0.2  
Width Threshold [s] : 0.5  
Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

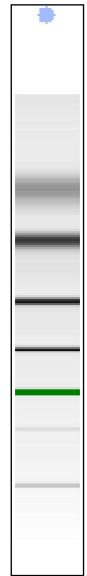
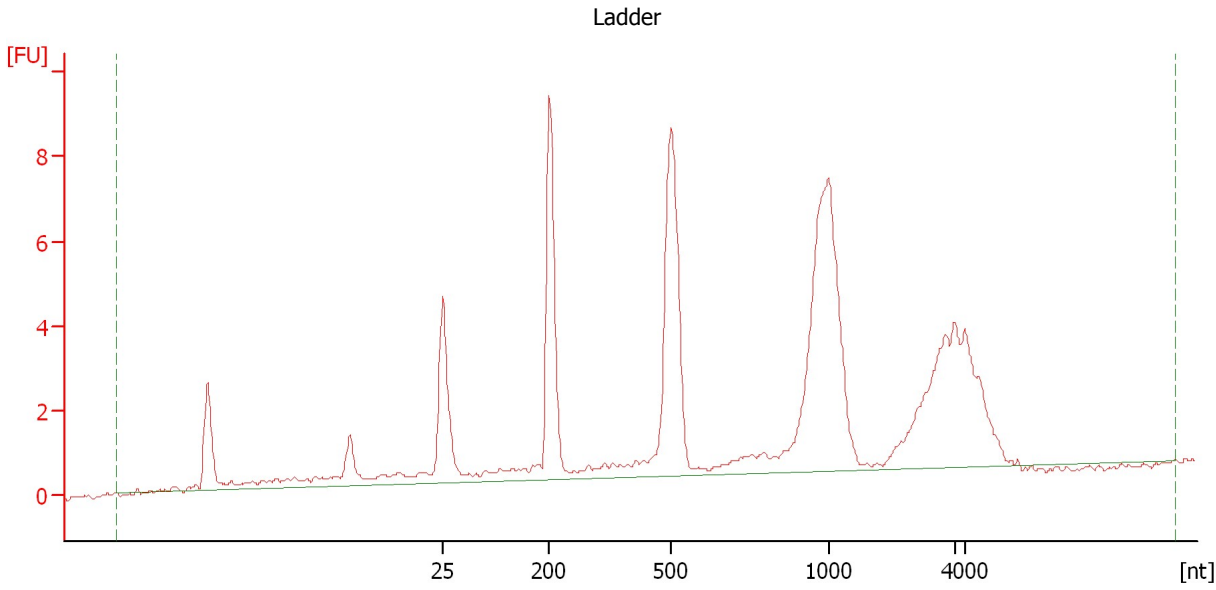
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

**Electropherogram Summary**



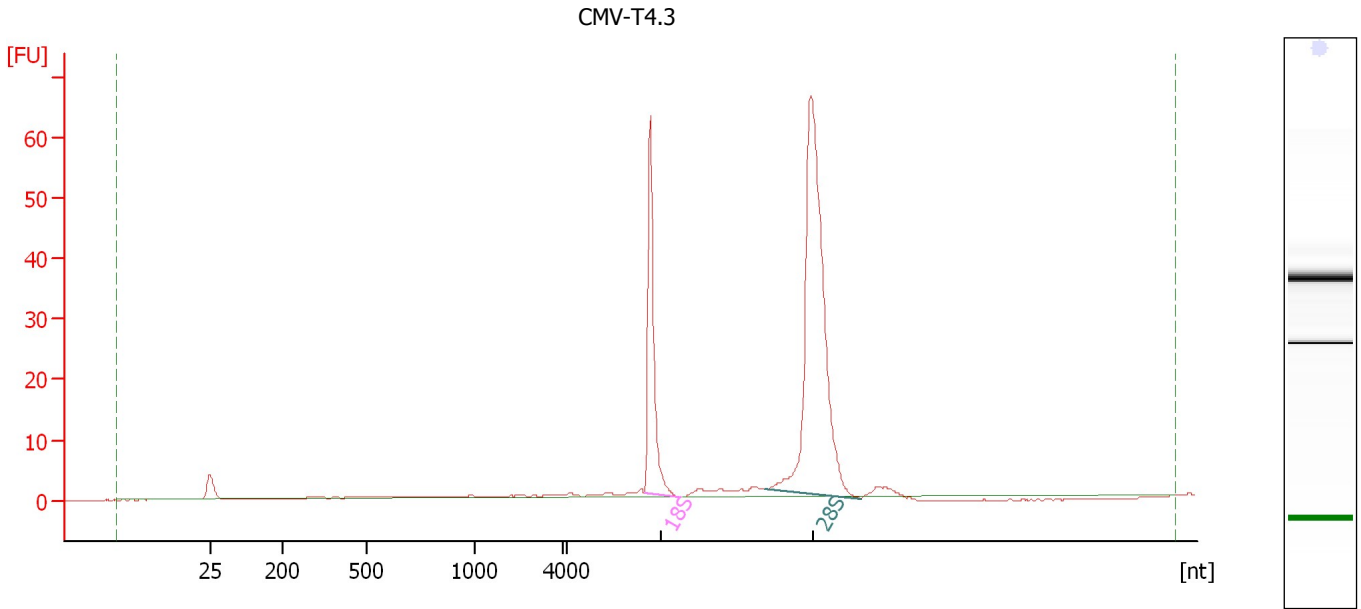
**Overall Results for Ladder**

RNA Area:	79.3	Result Flagging Color:	<span style="background-color: #6699ff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : CMV-T4.3**

RNA Area: 208.0                      RNA Integrity Number (RIN): 9.7 (B.02.08)  
RNA Concentration: 393 ng/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.7                      Result Flagging Label: RIN: 9.70

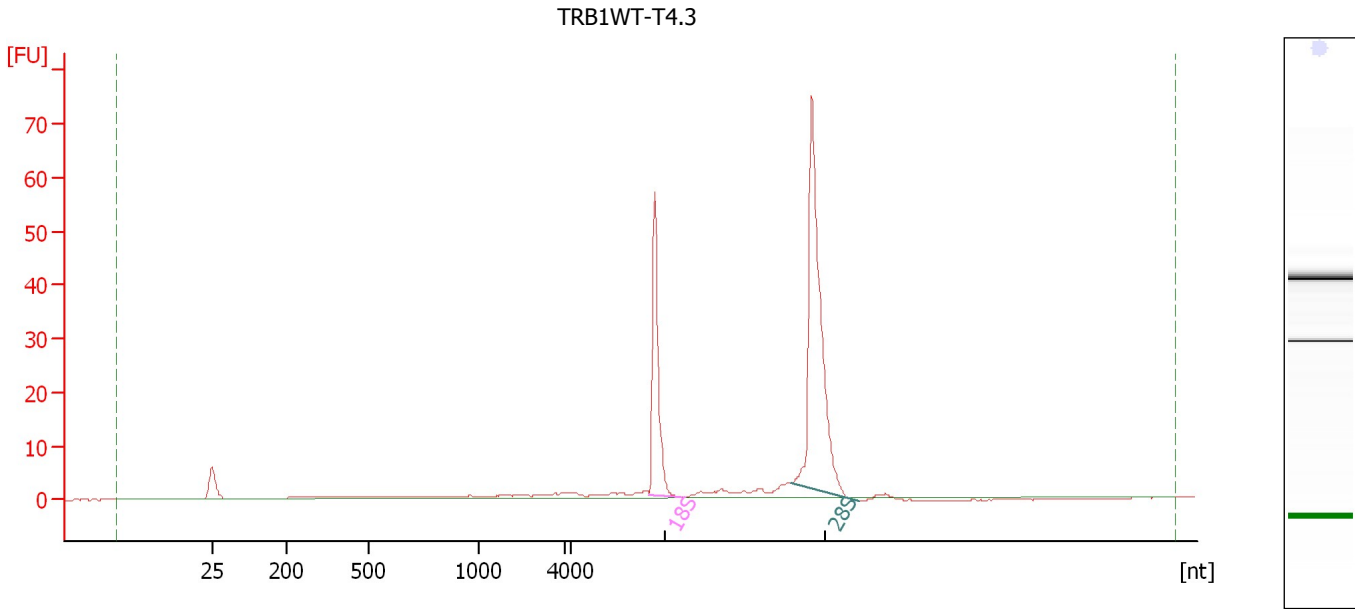
**Fragment table for sample 1 : CMV-T4.3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	30,252	41,908	46.6	22.4
28S	71,049	104,196	125.2	60.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : TRB1WT-T4.3**

RNA Area: 181.4                      RNA Integrity Number (RIN): 9.5 (B.02.08)  
RNA Concentration: 343 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.2              Result Flagging Label: RIN: 9.50

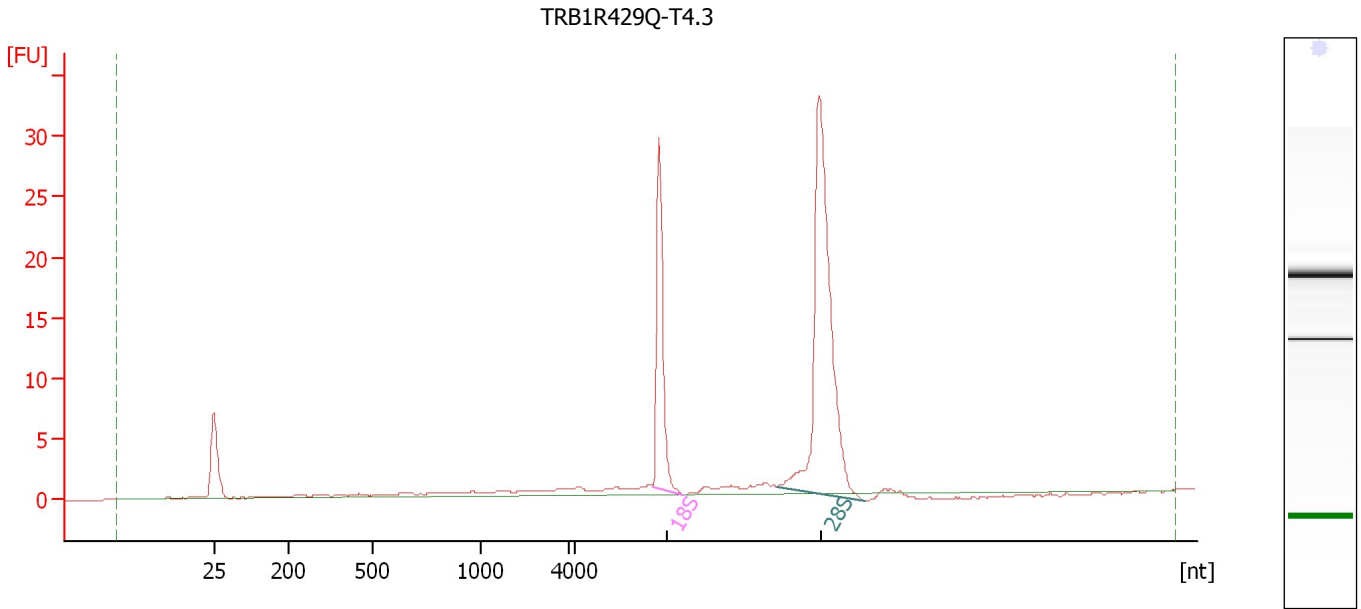
**Fragment table for sample 2 : TRB1WT-T4.3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	30,358	41,240	40.4	22.3
28S	78,239	101,455	89.0	49.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : TRB1R429Q-T4.3**

RNA Area: 95.3                      RNA Integrity Number (RIN): 9.2 (B.02.08)  
RNA Concentration: 180 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.6              Result Flagging Label: RIN: 9.20

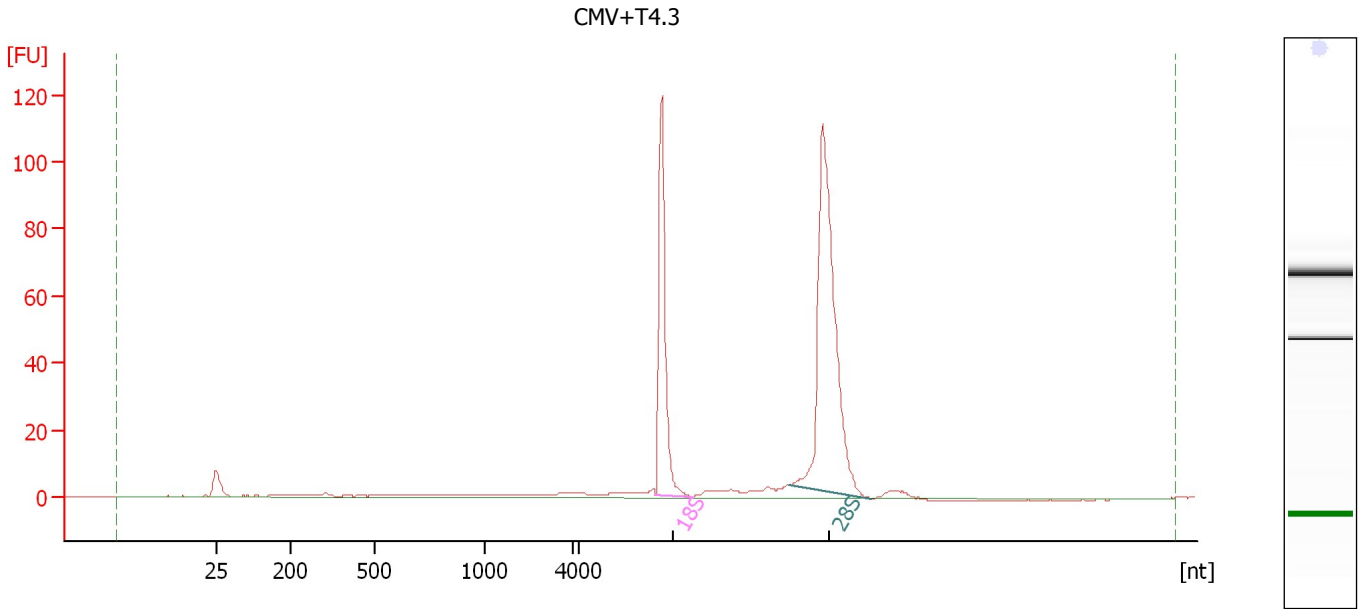
**Fragment table for sample 3 : TRB1R429Q-T4.3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	30,464	40,578	20.4	21.4
28S	72,366	101,987	53.8	56.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
 Modified: 6/5/2015 9:41:32 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : CMV+T4.3**

RNA Area:	340.0	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	643 ng/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]:	2.1	Result Flagging Label:	RIN: 9.60

**Fragment table for sample 4 : CMV+T4.3**

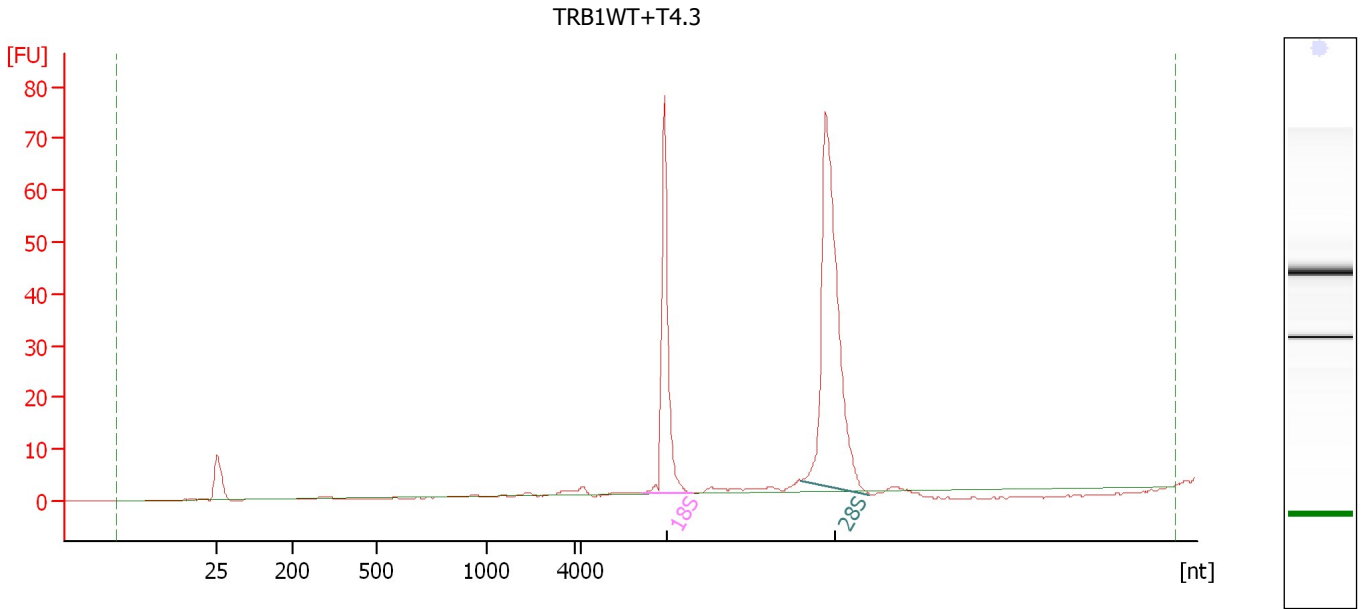
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	29,849	42,080	85.7	25.2
28S	74,456	102,515	183.8	54.1



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : TRB1WT+T4.3**

RNA Area: 189.9                      RNA Integrity Number (RIN): 9.6 (B.02.08)  
RNA Concentration: 359 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.1              Result Flagging Label: RIN: 9.60

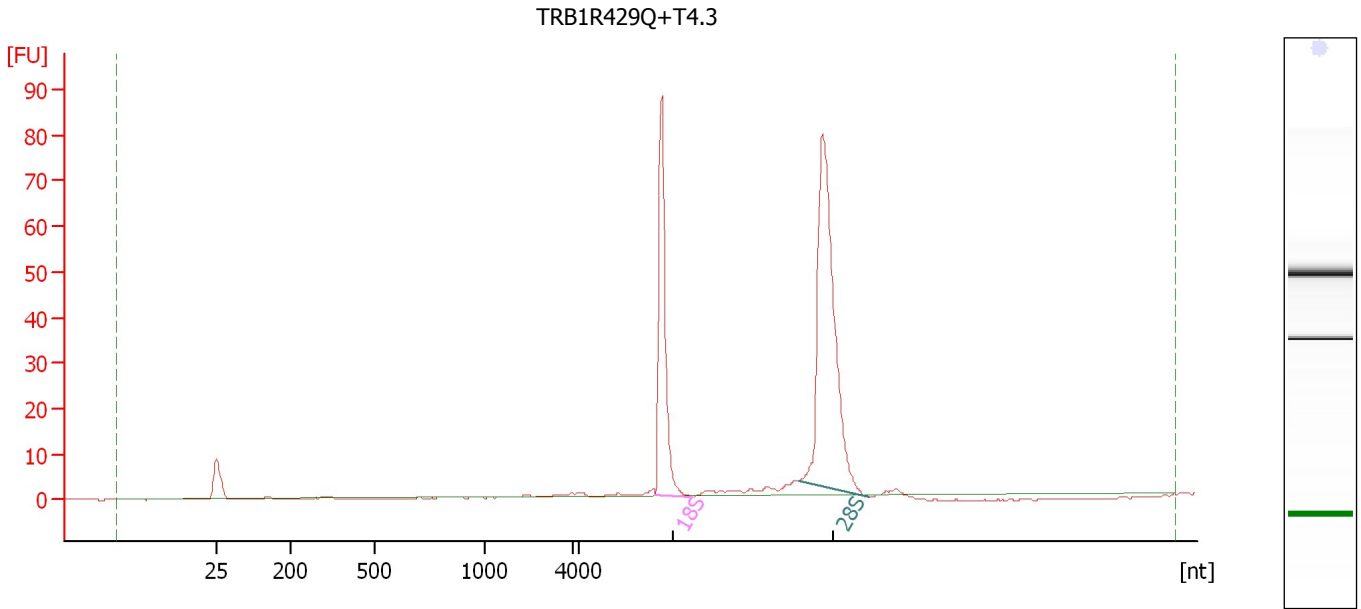
**Fragment table for sample 5 : TRB1WT+T4.3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	24,877	41,749	57.7	30.4
28S	78,366	100,983	118.5	62.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : TRB1R429Q+T4.3**

RNA Area: 228.6                      RNA Integrity Number (RIN): 9.6 (B.02.08)  
RNA Concentration: 432 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.0              Result Flagging Label: RIN: 9.60

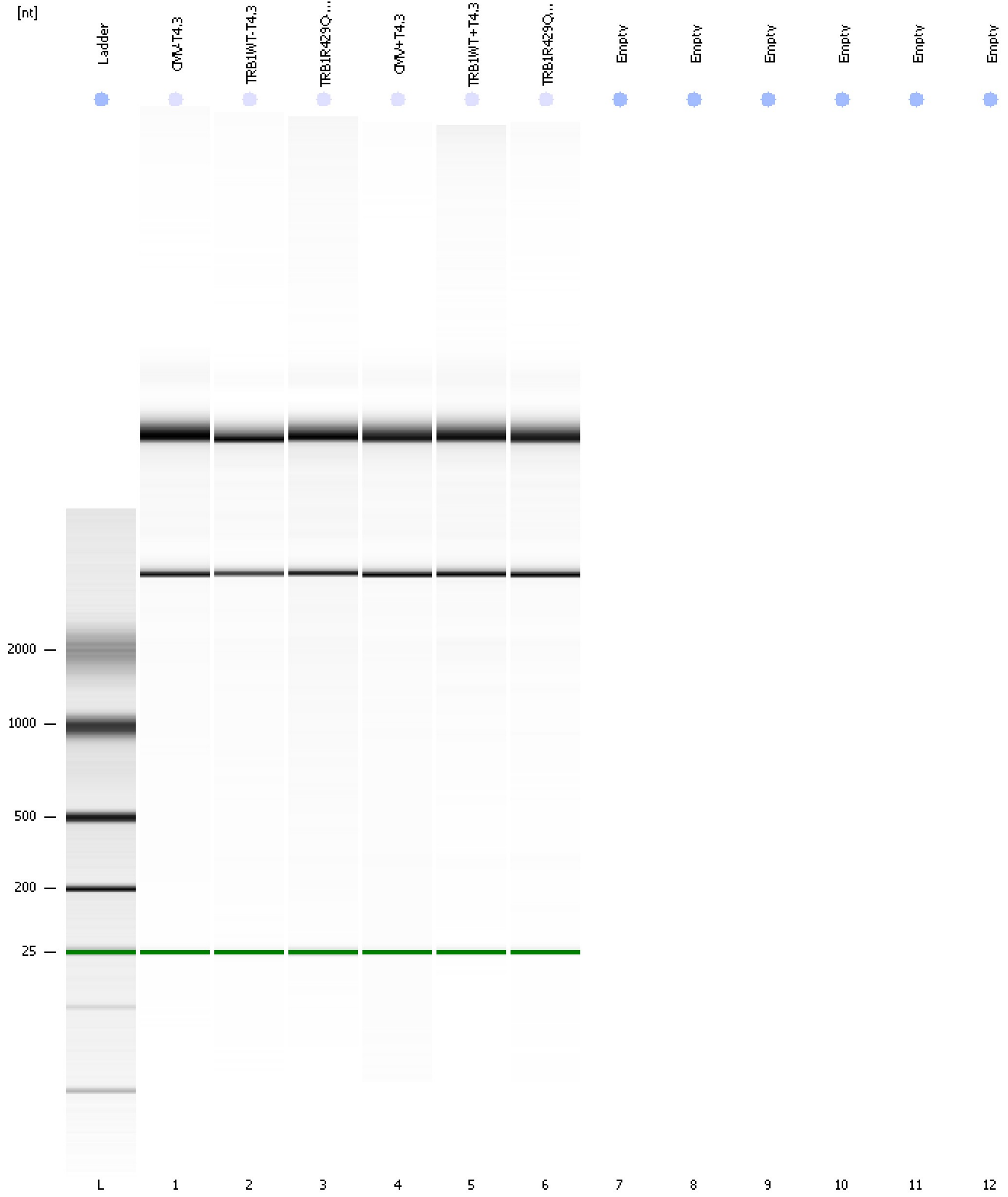
**Fragment table for sample 6 : TRB1R429Q+T4.3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	29,849	42,080	64.0	28.0
28S	78,053	101,796	130.0	56.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

**Gel Image**

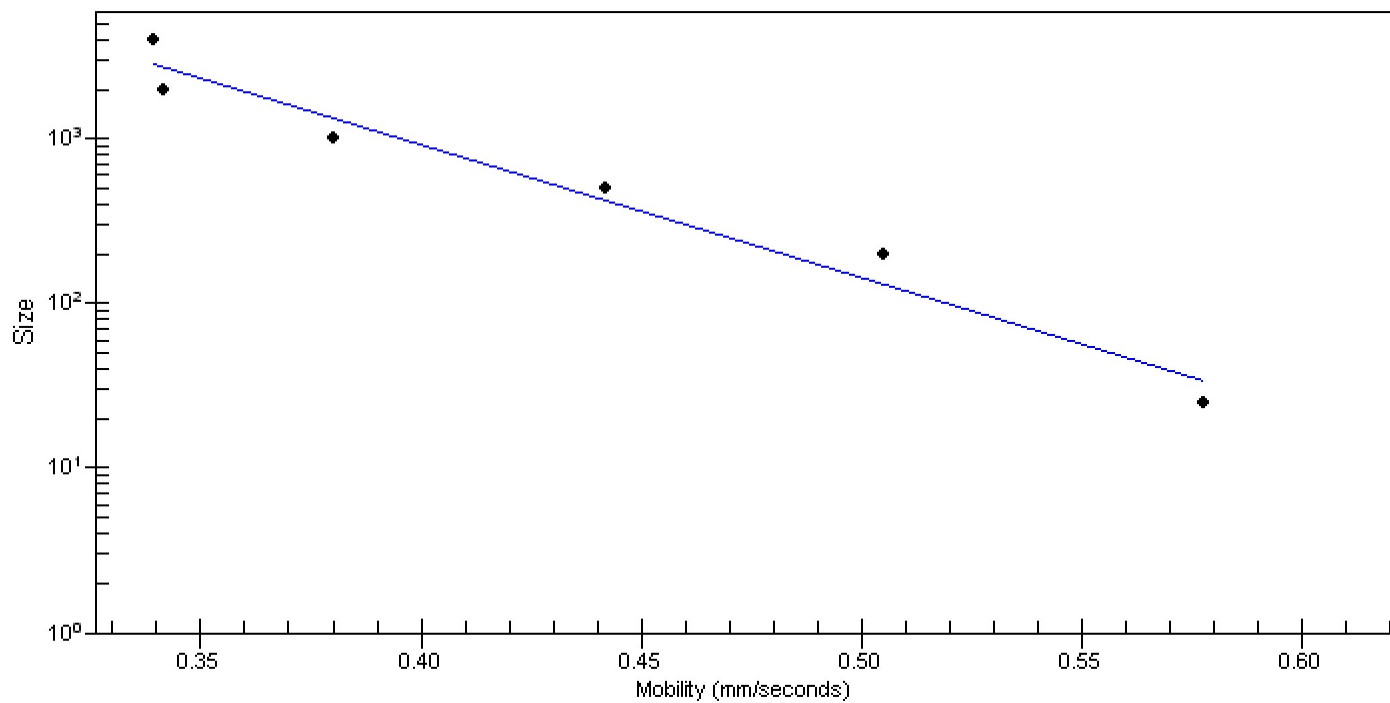


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ts and Settings\Bioanalyzer\2015-06-05\2015-06-05\_002rj.xad

Created: 6/5/2015 9:25:07 AM  
Modified: 6/5/2015 9:41:32 AM

**Invalid Samples**

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.

Sample 12 has not been run, no results available.