

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

Created: 9/20/2018 1:58:36 PM  
Modified: 9/20/2018 2:21:29 PM

### Electrophoresis File Run Summary

#### Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

#### 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)

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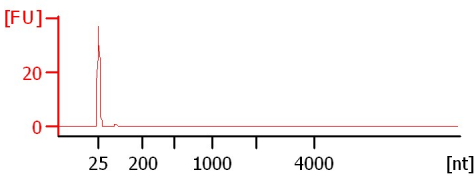
#### Chip Information:

Chip Lot #:

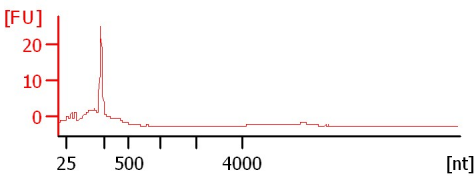
Reagent Kit Lot #:

Chip Comments:

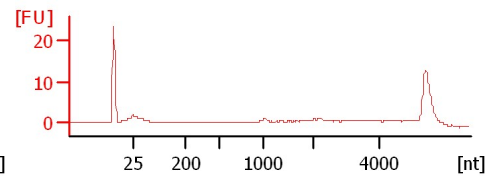
**1. 29306 P1**  
HiSeq\_1528  
RIN: 1



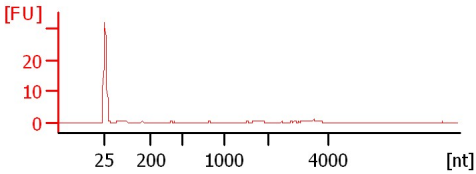
**2. 29306 P2**  
HiSeq\_1528  
RIN N/A



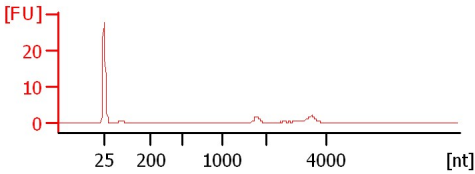
**3. 29306 P3**  
HiSeq\_1528  
RIN: 2.40



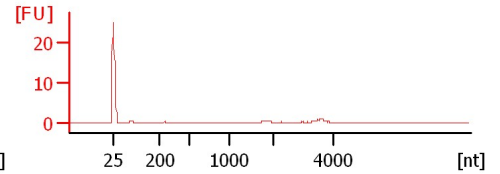
**4. 42651 P1**  
HiSeq\_1528  
RIN: 6.70



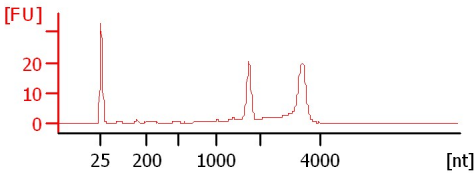
**5. 42651 P2**  
HiSeq\_1528  
RIN: 8.10



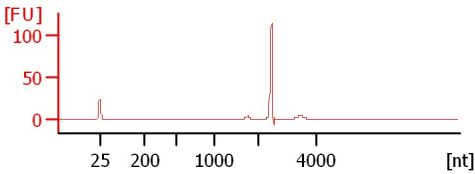
**6. 42651 P3**  
HiSeq\_1528  
RIN: 4.50



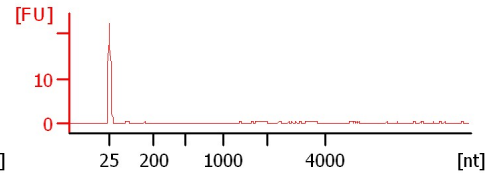
**7. 31626 P1**  
HiSeq\_1528  
RIN: 9.40



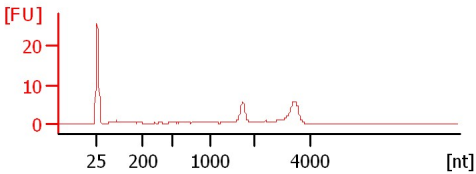
**8. 31626 P2**  
HiSeq\_1528  
RIN N/A



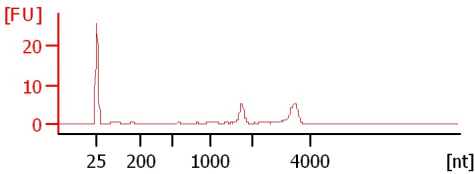
**9. 31626 P3**  
HiSeq\_1528  
RIN: 1



**10. 44164 P1**  
HiSeq\_1528  
RIN: 8.50



**11. 44164 P2**  
HiSeq\_1528  
RIN: 8.90



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

Sample Name	Sample Comment	Status	Result Label	Result Color
1. 29306 P1	HiSeq_1528	✓	RIN:1	
2. 29306 P2	HiSeq_1528	✓	RIN N/A	
3. 29306 P3	HiSeq_1528	✓	RIN: 2.40	
4. 42651 P1	HiSeq_1528	✓	RIN: 6.70	
5. 42651 P2	HiSeq_1528	✓	RIN: 8.10	
6. 42651 P3	HiSeq_1528	✓	RIN: 4.50	
7. 31626 P1	HiSeq_1528	✓	RIN: 9.40	
8. 31626 P2	HiSeq_1528	✓	RIN N/A	
9. 31626 P3	HiSeq_1528	✓	RIN:1	
10. 44164 P1	HiSeq_1528	✓	RIN: 8.50	
11. 44164 P2	HiSeq_1528	✓	RIN: 8.90	
Ladder		✓	All Other Samples	

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] : 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

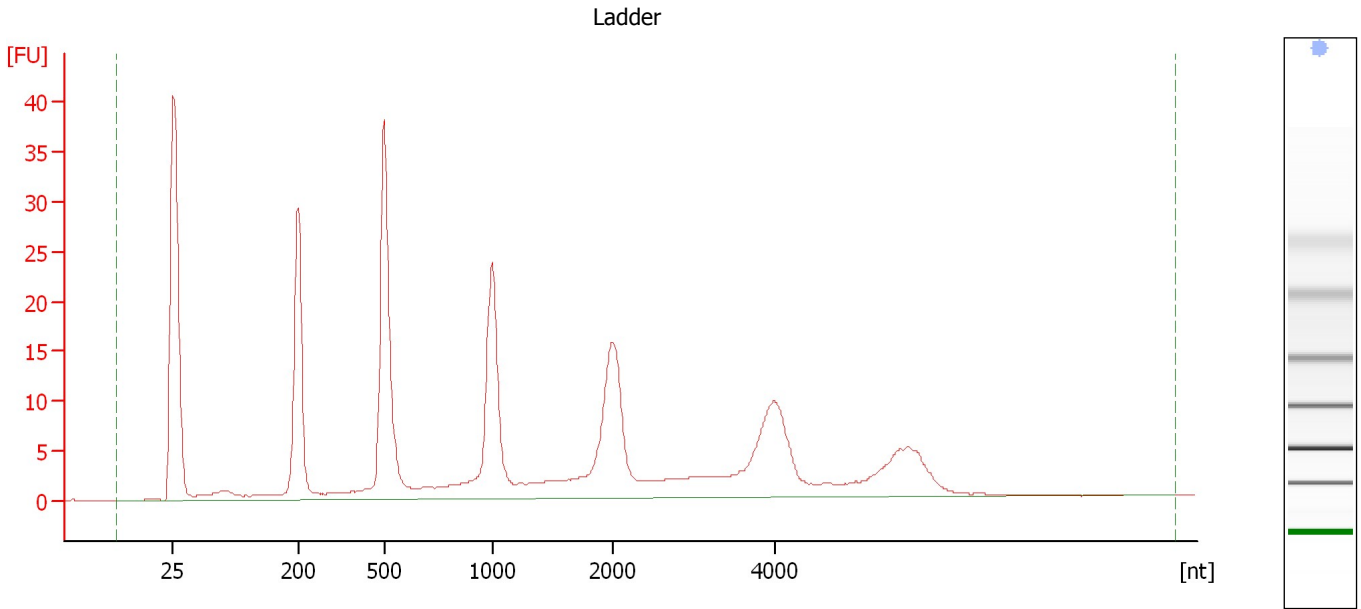
### Ladder

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

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**Electropherogram Summary**



**Overall Results for Ladder**

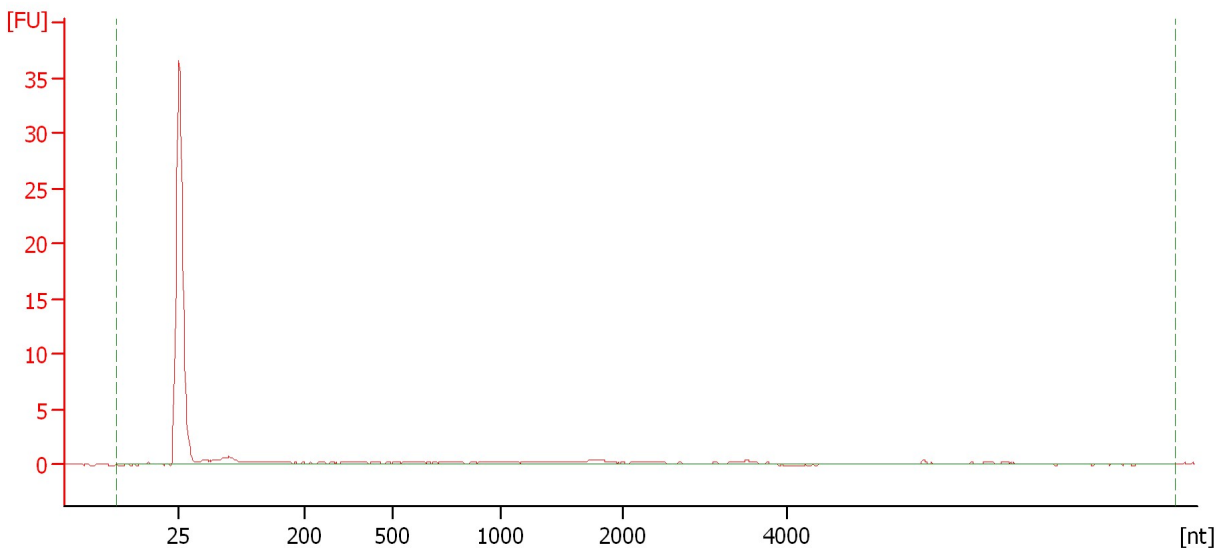
RNA Area:	314.9	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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**Electropherogram Summary Continued ...**

1. 29306 P1 [ HiSeq\_1528 ]



**Overall Results for sample 1 : 1. 29306 P1**

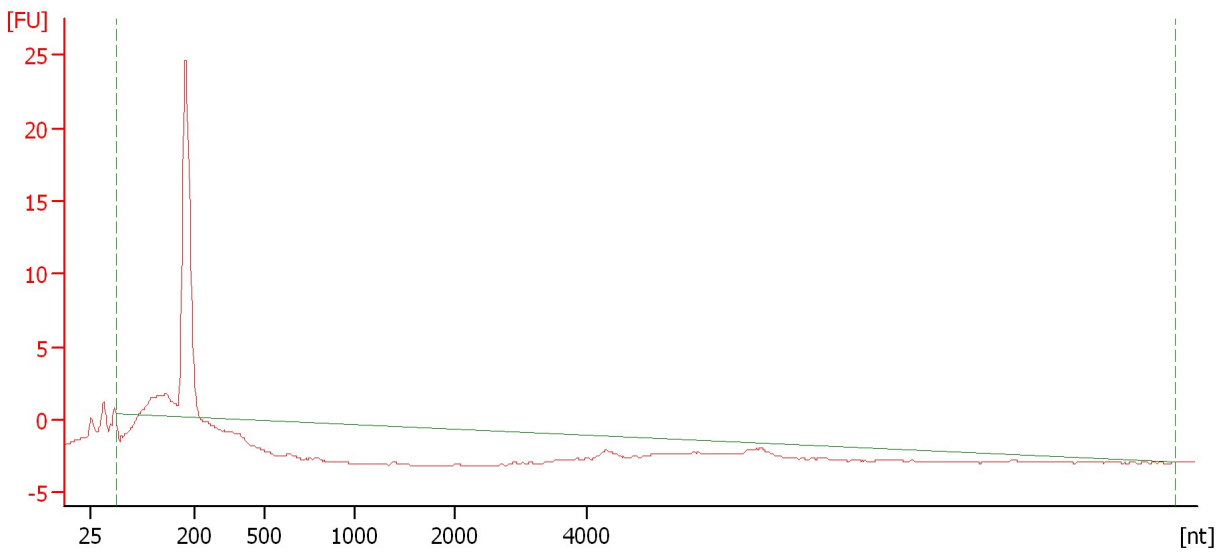
RNA Area:	17.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	54 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

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**Electropherogram Summary Continued ...**

2. 29306 P2 [ HiSeq\_1528 ]



**Overall Results for sample 2 : 2. 29306 P2**

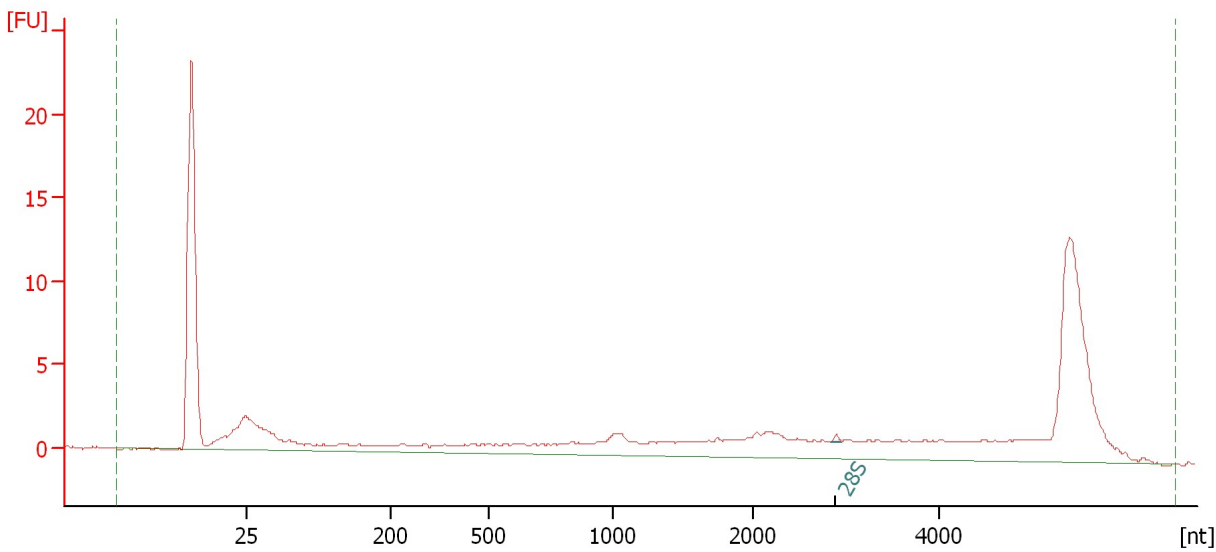
RNA Area:	51.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	164 µg/µl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

Created: 9/20/2018 1:58:36 PM  
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**Electropherogram Summary Continued ...**

3. 29306 P3 [ HiSeq\_1528 ]



**Overall Results for sample 3 : 3. 29306 P3**

RNA Area:	137.7	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	437 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

**Fragment table for sample 3 : 3. 29306 P3**

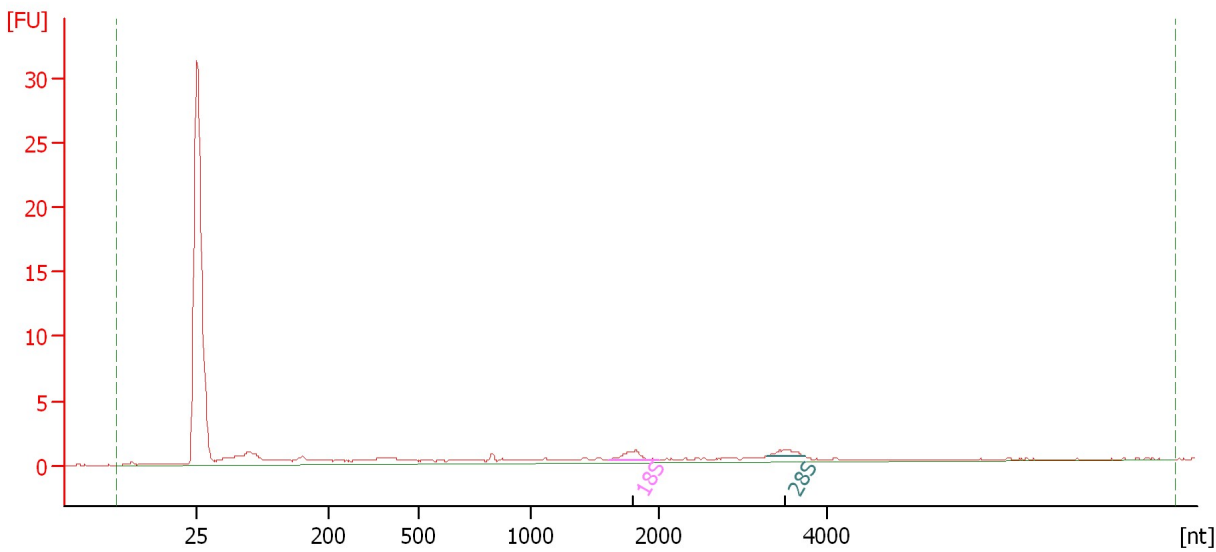
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,837	2,952	0.2	0.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

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**Electropherogram Summary Continued ...**

4. 42651 P1 [ HiSeq\_1528 ]



**Overall Results for sample 4 : 4. 42651 P1**

RNA Area: 31.6                      RNA Integrity Number (RIN): 6.7 (B.02.08)  
RNA Concentration: 100 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.8                      Result Flagging Label: RIN: 6.70

**Fragment table for sample 4 : 4. 42651 P1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,617	2,020	1.5	4.9
28S	3,281	3,736	1.2	3.7

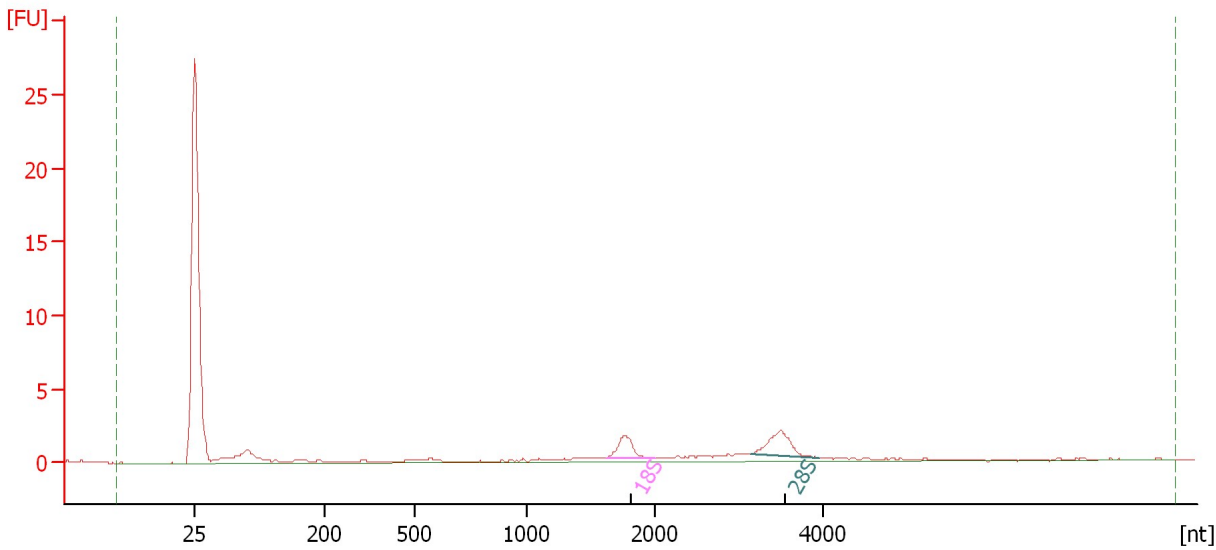


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

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**Electropherogram Summary Continued ...**

5. 42651 P2 [ HiSeq\_1528 ]



**Overall Results for sample 5 : 5. 42651 P2**

RNA Area: 26.3 RNA Integrity Number (RIN): 8.1 (B.02.08)  
RNA Concentration: 83 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.10

**Fragment table for sample 5 : 5. 42651 P2**

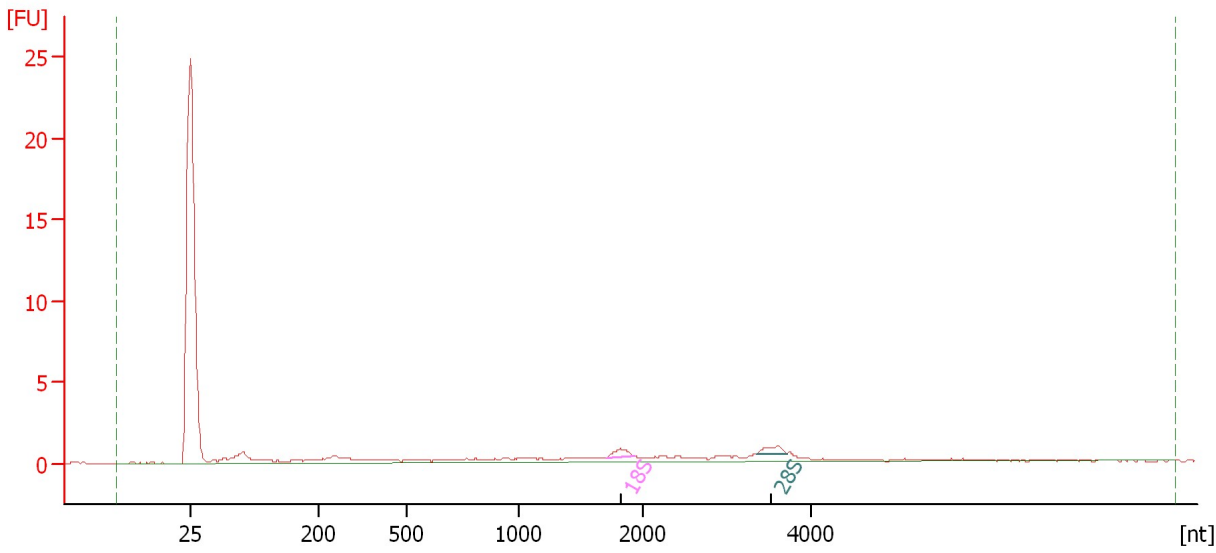
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,631	2,005	2.7	10.1
28S	3,158	3,957	4.0	15.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

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**Electropherogram Summary Continued ...**

6. 42651 P3 [ HiSeq\_1528 ]



**Overall Results for sample 6 : 6. 42651 P3**

RNA Area: 23.1 RNA Integrity Number (RIN): 4.5 (B.02.08)  
RNA Concentration: 73 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 4.50

**Fragment table for sample 6 : 6. 42651 P3**

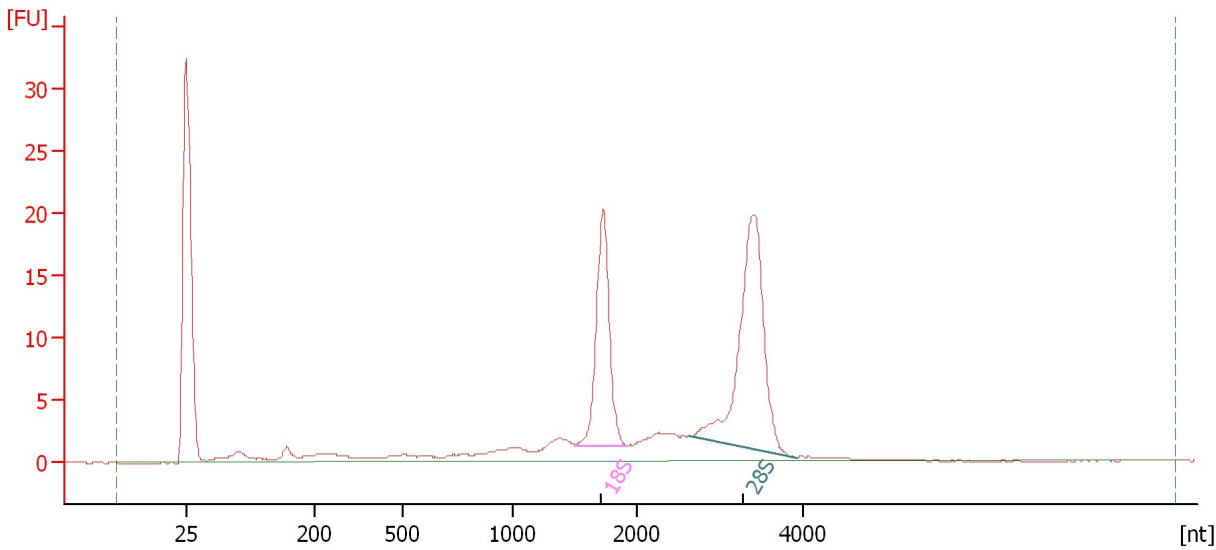
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	1,923	0.8	3.4
28S	3,346	3,717	0.8	3.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

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**Electropherogram Summary Continued ...**

7. 31626 P1 [ HiSeq\_1528 ]



**Overall Results for sample 7 : 7. 31626 P1**

RNA Area: 146.5                      RNA Integrity Number (RIN): 9.4 (B.02.08)  
RNA Concentration: 465 µg/µl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6                      Result Flagging Label: RIN: 9.40

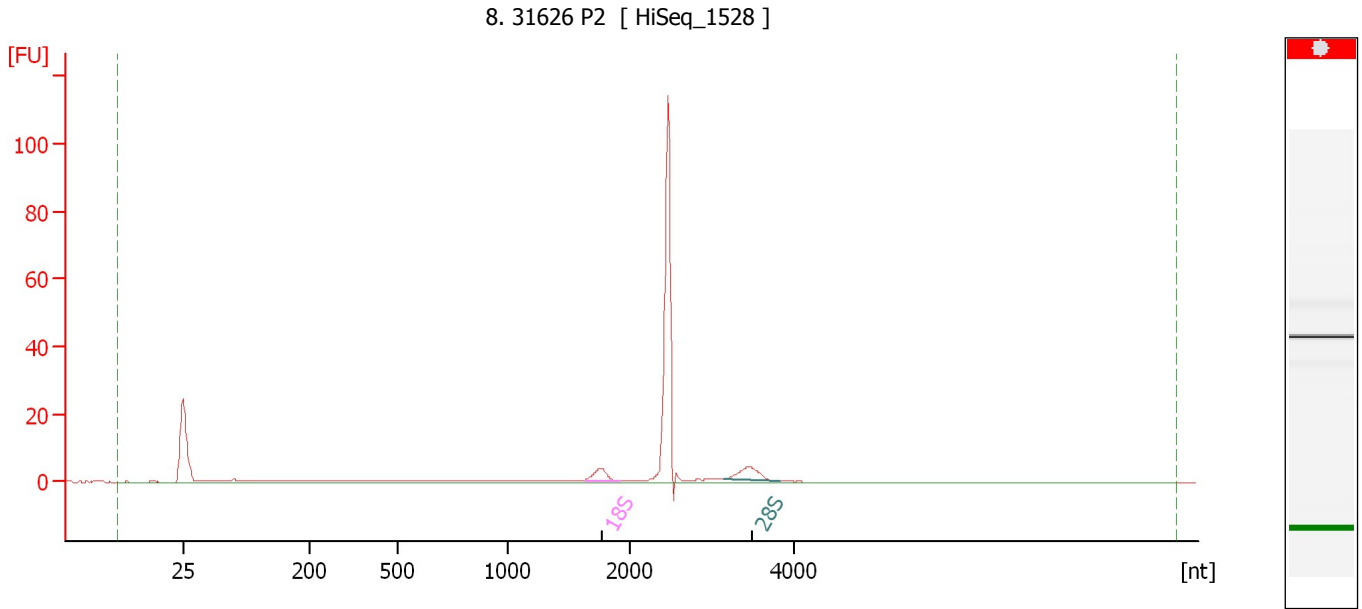
**Fragment table for sample 7 : 7. 31626 P1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,499	1,912	31.5	21.5
28S	2,617	3,919	50.6	34.6

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

Created: 9/20/2018 1:58:36 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 8. 31626 P2**

RNA Area:	122.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	390 µg/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]:	1.5	Result Flagging Label:	RIN N/A

**Fragment table for sample 8 : 8. 31626 P2**

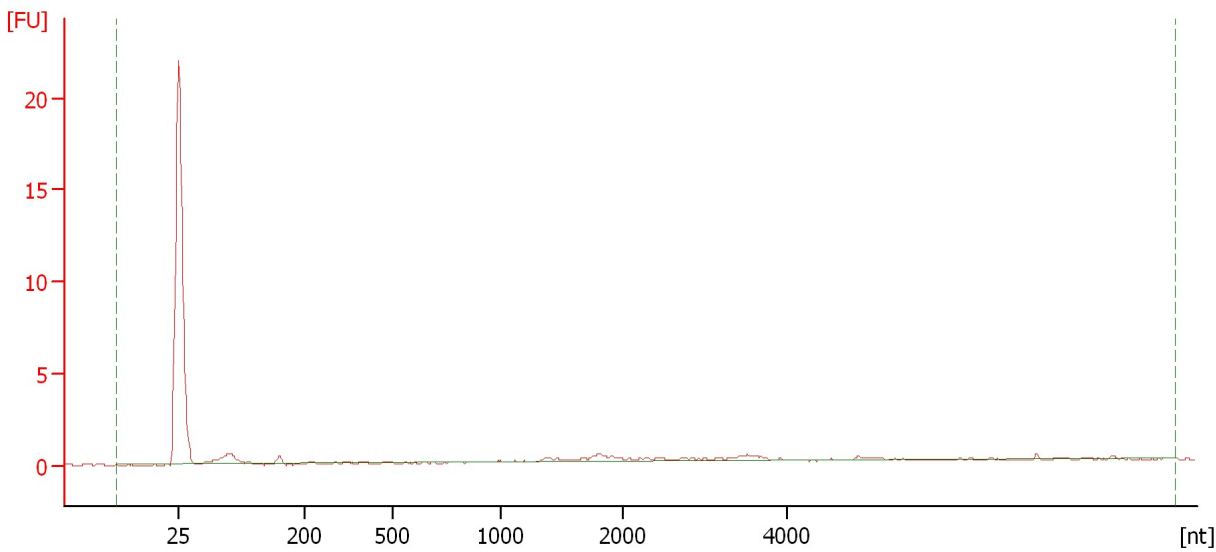
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,631	1,918	5.7	4.7
28S	3,152	3,815	8.7	7.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

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**Electropherogram Summary Continued ...**

9. 31626 P3 [ HiSeq\_1528 ]



**Overall Results for sample 9 : 9. 31626 P3**

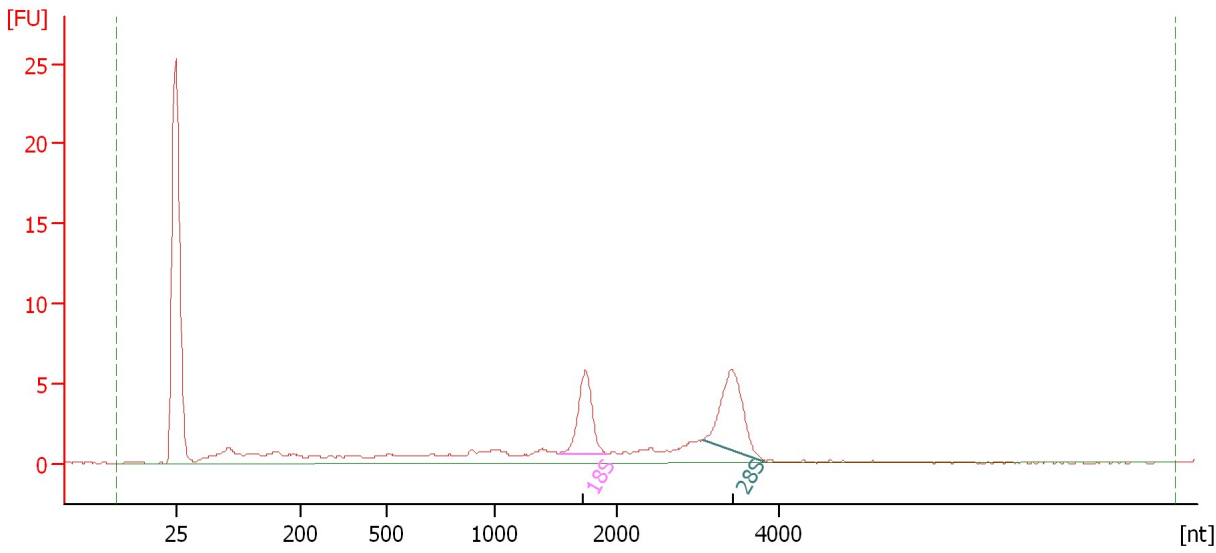
RNA Area:	6.4	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	20 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

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**Electropherogram Summary Continued ...**

10. 44164 P1 [ HiSeq\_1528 ]



**Overall Results for sample 10 : 10. 44164 P1**

RNA Area: 66.8 RNA Integrity Number (RIN): 8.5 (B.02.08)  
RNA Concentration: 212 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.50

**Fragment table for sample 10 : 10. 44164 P1**

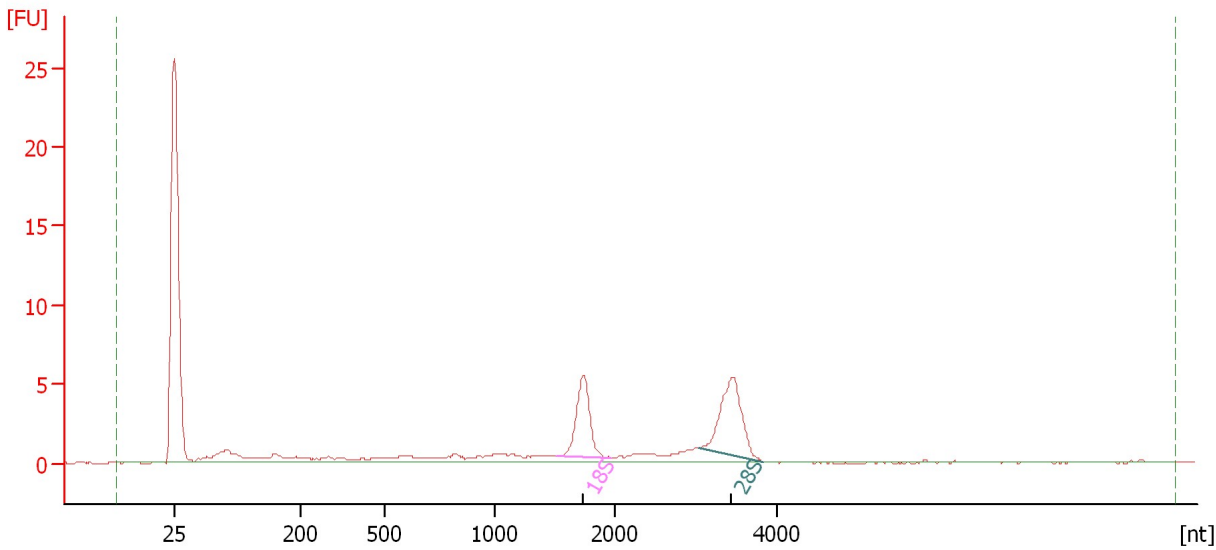
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,516	1,921	9.6	14.3
28S	3,056	3,834	12.6	18.8

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

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**Electropherogram Summary Continued ...**

11. 44164 P2 [ HiSeq\_1528 ]



**Overall Results for sample 11 : 11. 44164 P2**

RNA Area: 49.0 RNA Integrity Number (RIN): 8.9 (B.02.08)  
RNA Concentration: 156 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.90

**Fragment table for sample 11 : 11. 44164 P2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,515	1,974	9.3	19.0
28S	3,044	3,837	11.9	24.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20\_001.xad

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**Gel Image**