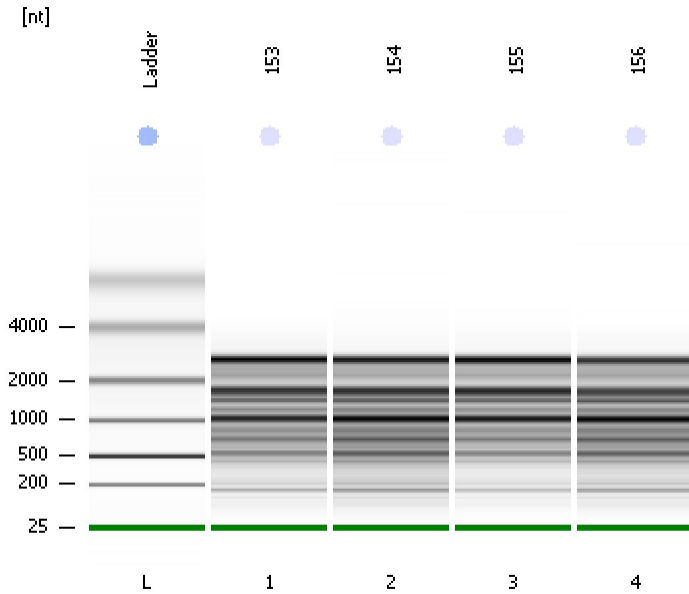


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...\data\2018-06-25\2018-06-25\_007\_HiSeq1396\_RNAQC\_153-156.xad

Created: 6/25/2018 3:48:41 PM  
Modified: 6/25/2018 4:16:45 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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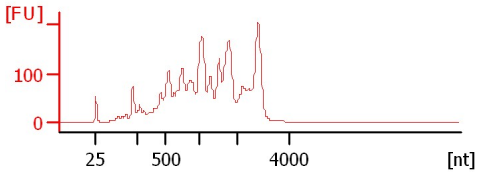
#### Chip Information:

Chip Lot #:

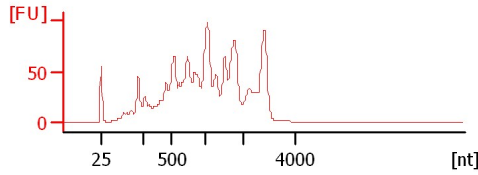
Reagent Kit Lot #:

Chip Comments:

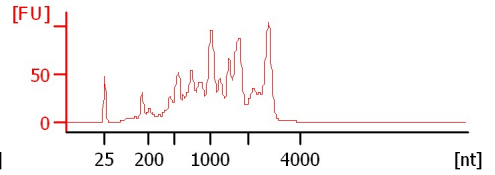
**153**  
HiSeq1396  
RIN: 5.60



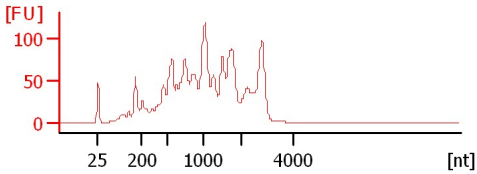
**154**  
HiSeq1396  
RIN: 5.30



**155**  
HiSeq1396  
RIN: 5.90



**156**  
HiSeq1396  
RIN: 4.90



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...\data\2018-06-25\2018-06-25\_007\_HiSeq1396\_RNAQC\_153-156.xad

Created: 6/25/2018 3:48:41 PM  
 Modified: 6/25/2018 4:16:45 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
153	HiSeq1396	✓	RIN: 5.60	
154	HiSeq1396	✓	RIN: 5.30	
155	HiSeq1396	✓	RIN: 5.90	
156	HiSeq1396	✓	RIN: 4.90	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...\data\2018-06-25\2018-06-25\_007\_HiSeq1396\_RNAQC\_153-156.xad

Created: 6/25/2018 3:48:41 PM  
Modified: 6/25/2018 4:16:45 PM

## 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

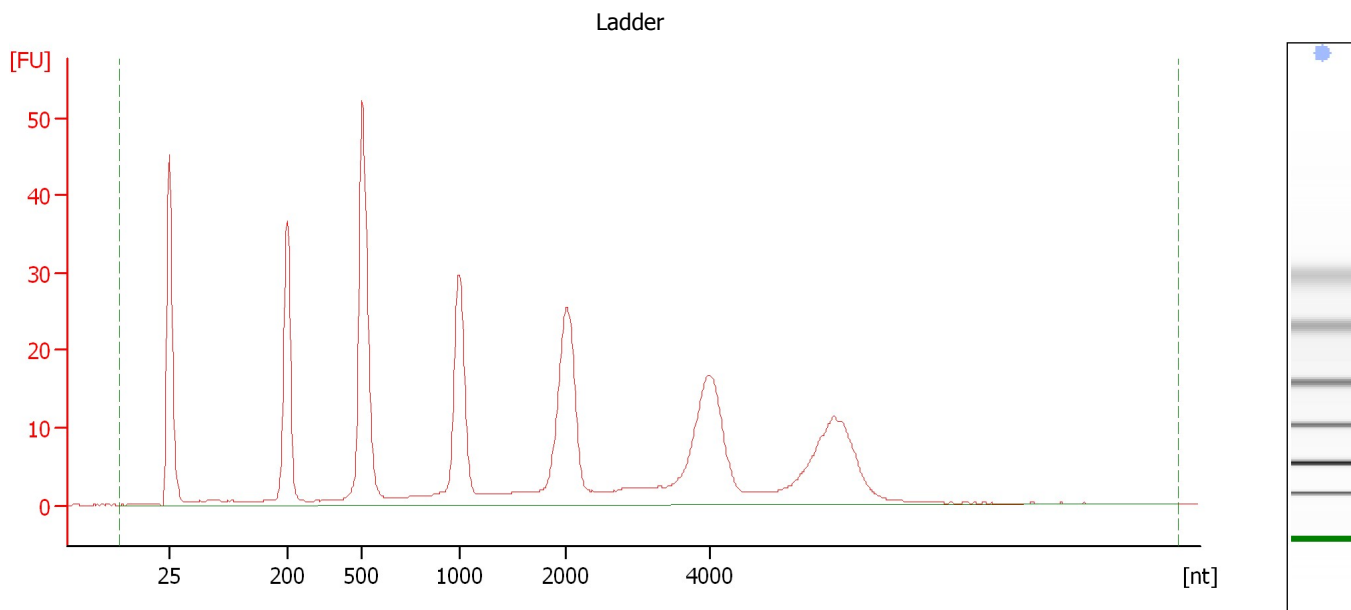
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...\data\2018-06-25\2018-06-25\_007\_HiSeq1396\_RNAQC\_153-156.xad

Created: 6/25/2018 3:48:41 PM  
Modified: 6/25/2018 4:16:45 PM

### Electropherogram Summary



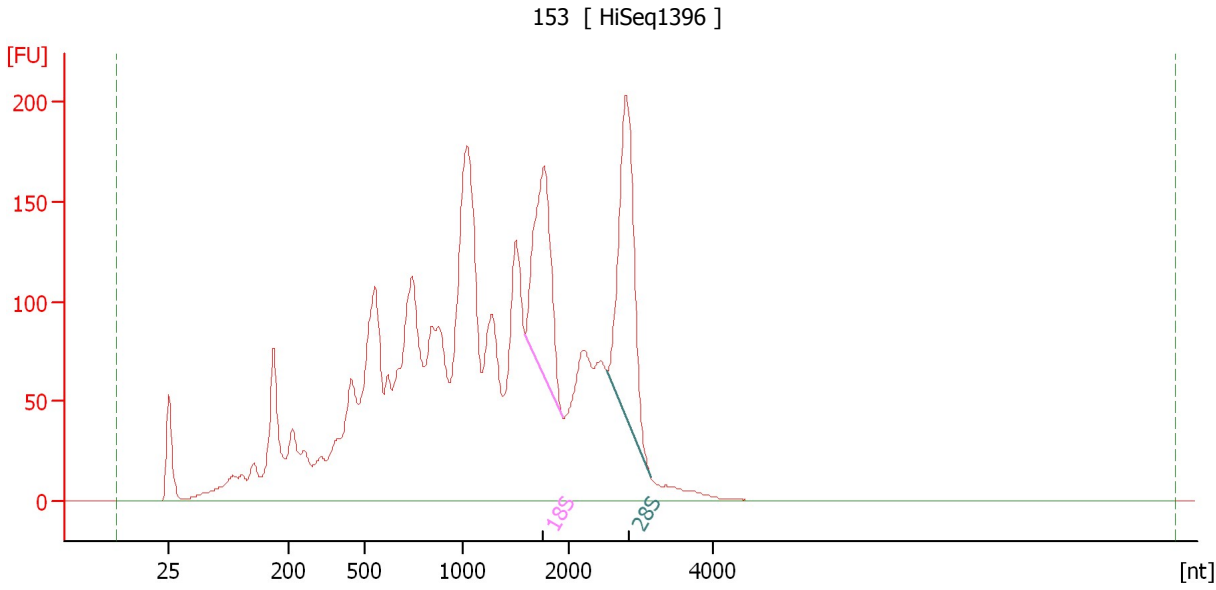
### Overall Results for Ladder

RNA Area:	412.1	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:\...\data\2018-06-25\2018-06-25\_007\_HiSeq1396\_RNAQC\_153-156.xad

Created: 6/25/2018 3:48:41 PM  
 Modified: 6/25/2018 4:16:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 153**

RNA Area:	3,944.5	RNA Integrity Number (RIN):	5.6 (B.02.08)
RNA Concentration:	9,572 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]:	1.3	Result Flagging Label:	RIN: 5.60

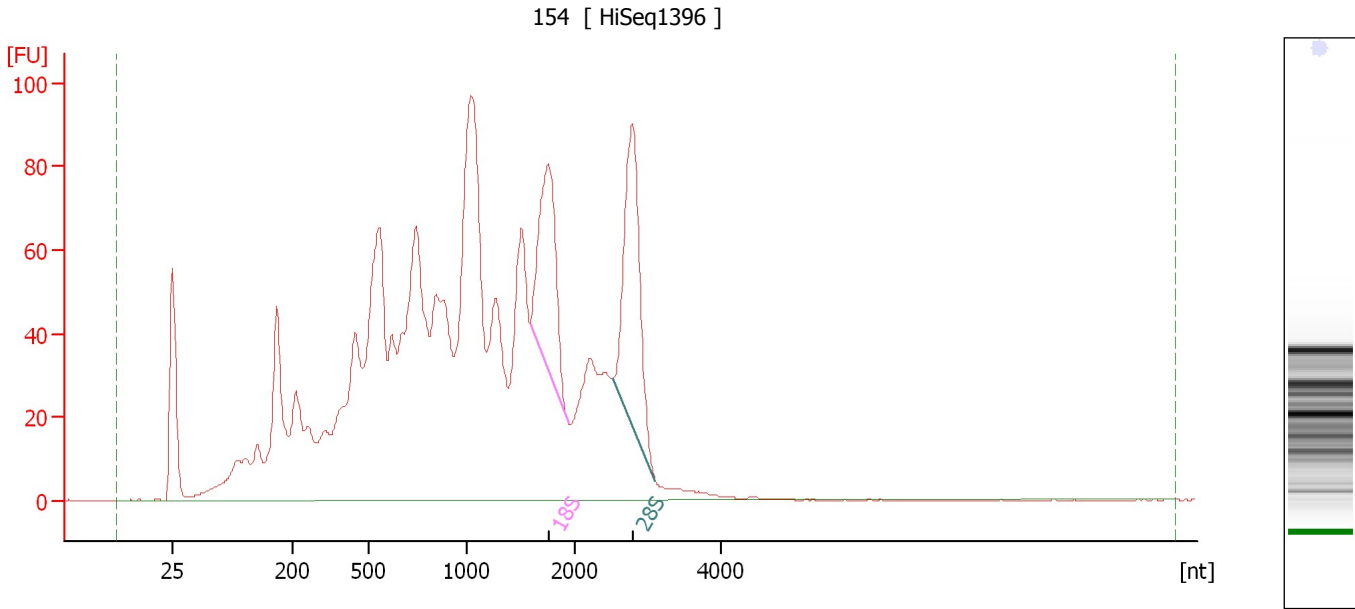
**Fragment table for sample 1 : 153**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,934	239.7	6.1
28S	2,525	3,118	304.2	7.7

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...\data\2018-06-25\2018-06-25\_007\_HiSeq1396\_RNAQC\_153-156.xad

Created: 6/25/2018 3:48:41 PM  
 Modified: 6/25/2018 4:16:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 154**

RNA Area:	2,165.8	RNA Integrity Number (RIN):	5.3 (B.02.08)
RNA Concentration:	5,256 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]:	1.2	Result Flagging Label:	RIN: 5.30

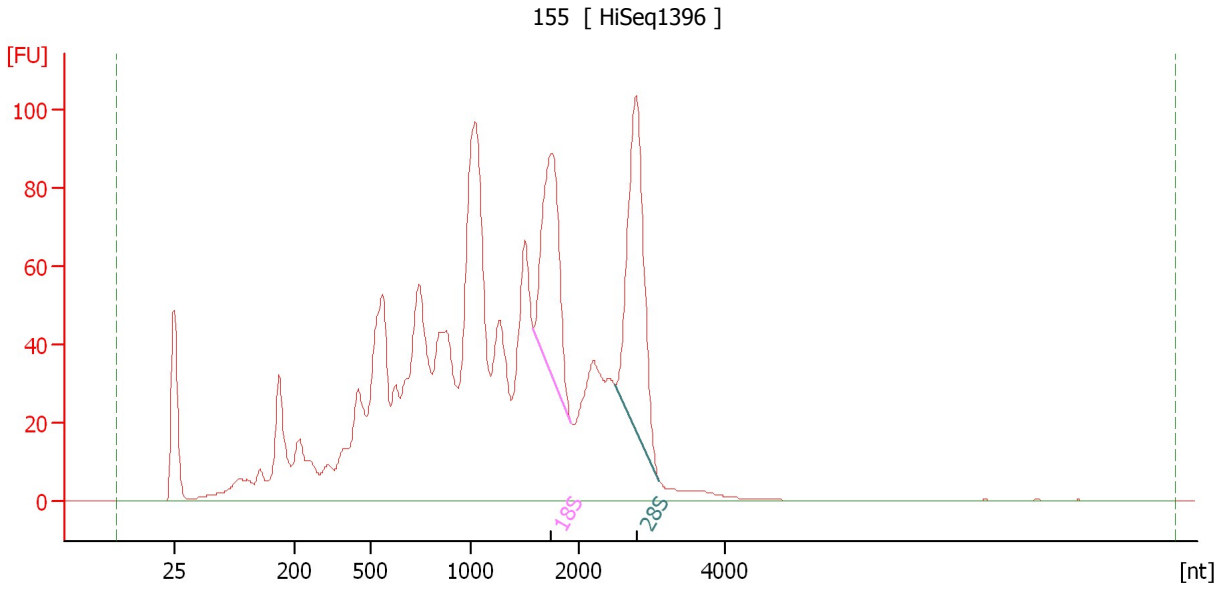
**Fragment table for sample 2 : 154**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,584	1,929	113.4	5.2
28S	2,528	3,102	136.8	6.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...\data\2018-06-25\2018-06-25\_007\_HiSeq1396\_RNAQC\_153-156.xad

Created: 6/25/2018 3:48:41 PM  
 Modified: 6/25/2018 4:16:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 155**

RNA Area:	1,927.2	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	4,676 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]:	1.3	Result Flagging Label:	RIN: 5.90

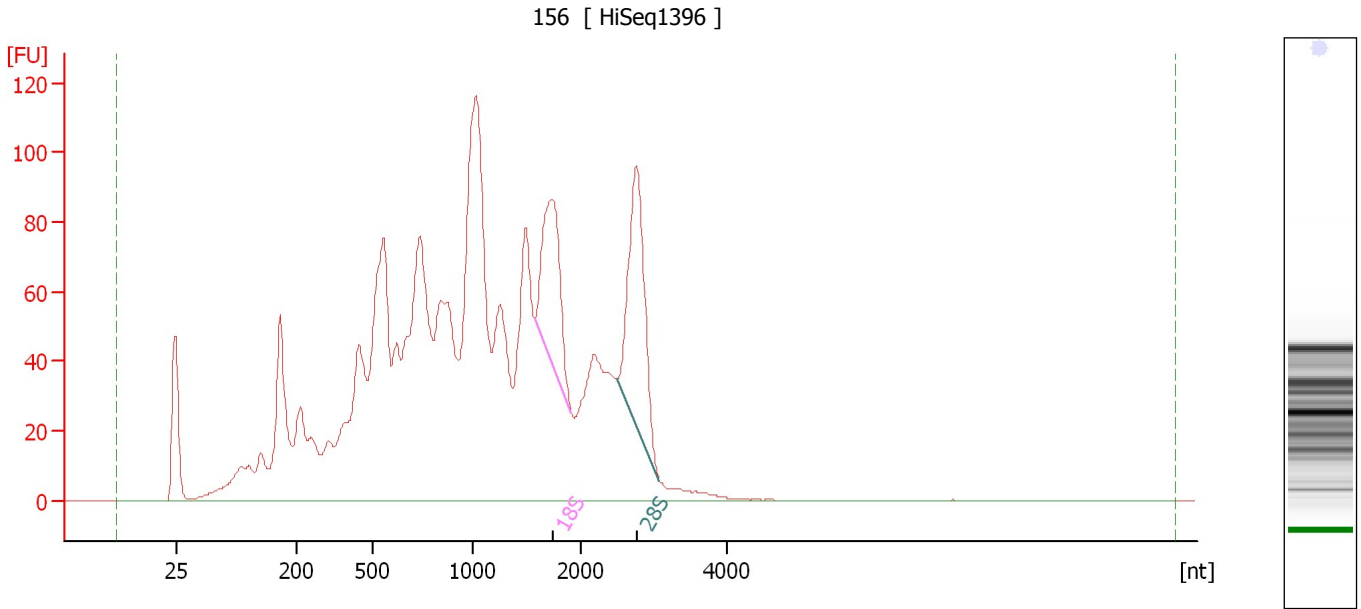
**Fragment table for sample 3 : 155**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,579	1,923	130.5	6.8
28S	2,486	3,101	169.0	8.8

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...\data\2018-06-25\2018-06-25\_007\_HiSeq1396\_RNAQC\_153-156.xad

Created: 6/25/2018 3:48:41 PM  
 Modified: 6/25/2018 4:16:45 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 156**

RNA Area:	2,464.1	RNA Integrity Number (RIN):	4.9 (B.02.08)
RNA Concentration:	5,979 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]:	1.3	Result Flagging Label:	RIN: 4.90

**Fragment table for sample 4 : 156**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,572	1,905	113.3	4.6
28S	2,487	3,072	146.0	5.9



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...\data\2018-06-25\2018-06-25\_007\_HiSeq1396\_RNAQC\_153-156.xad

Created: 6/25/2018 3:48:41 PM  
Modified: 6/25/2018 4:16:45 PM

**Gel Image**

