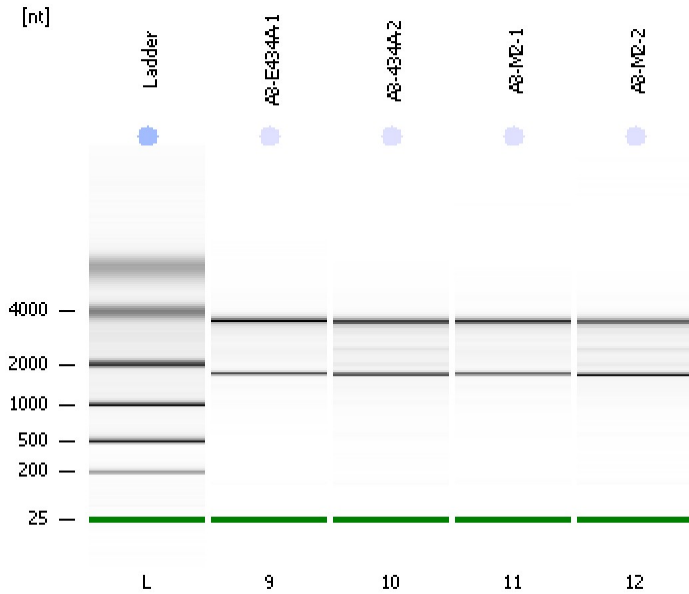


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...\2100 expert\data\2017-08-28\2017-08-28\_004\_HiSeq1102QC.xad

Created: 8/28/2017 12:30:09 PM  
Modified: 8/28/2017 1:36:43 PM

Electrophoresis File Run Summary



Instrument Information:

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

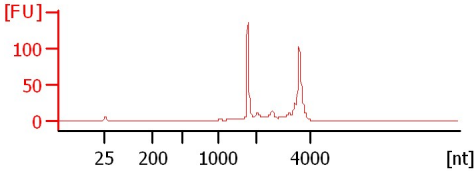
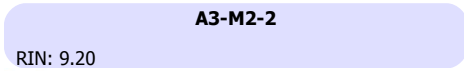
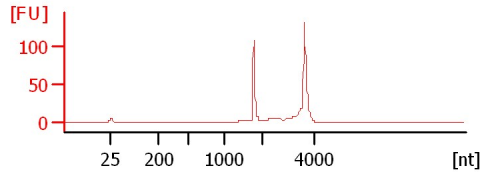
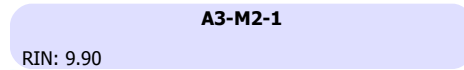
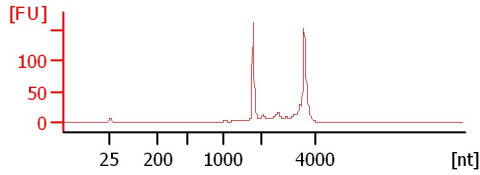
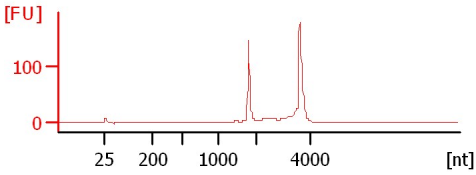
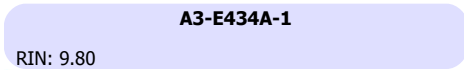
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\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)

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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...\2100 expert\data\2017-08-28\2017-08-28\_004\_HiSeq1102QC.xad

Created: 8/28/2017 12:30:09 PM  
 Modified: 8/28/2017 1:36:43 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
A3-E434A-1		✓	RIN: 9.80	
A3-434A-2		✓	RIN: 9.10	
A3-M2-1		✓	RIN: 9.90	
A3-M2-2		✓	RIN: 9.20	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...\2100 expert\data\2017-08-28\2017-08-28\_004\_HiSeq1102QC.xad

Created: 8/28/2017 12:30:09 PM  
Modified: 8/28/2017 1:36:43 PM

## 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

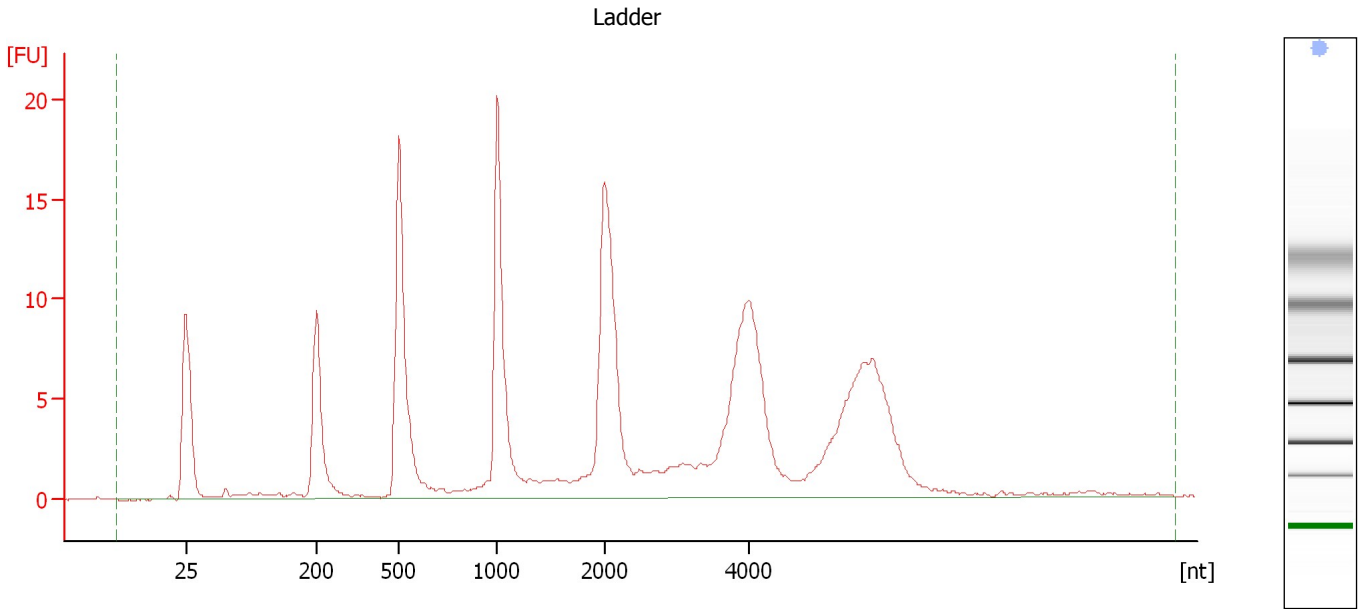
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...\2100 expert\data\2017-08-28\2017-08-28\_004\_HiSeq1102QC.xad

Created: 8/28/2017 12:30:09 PM  
Modified: 8/28/2017 1:36:43 PM

**Electropherogram Summary**



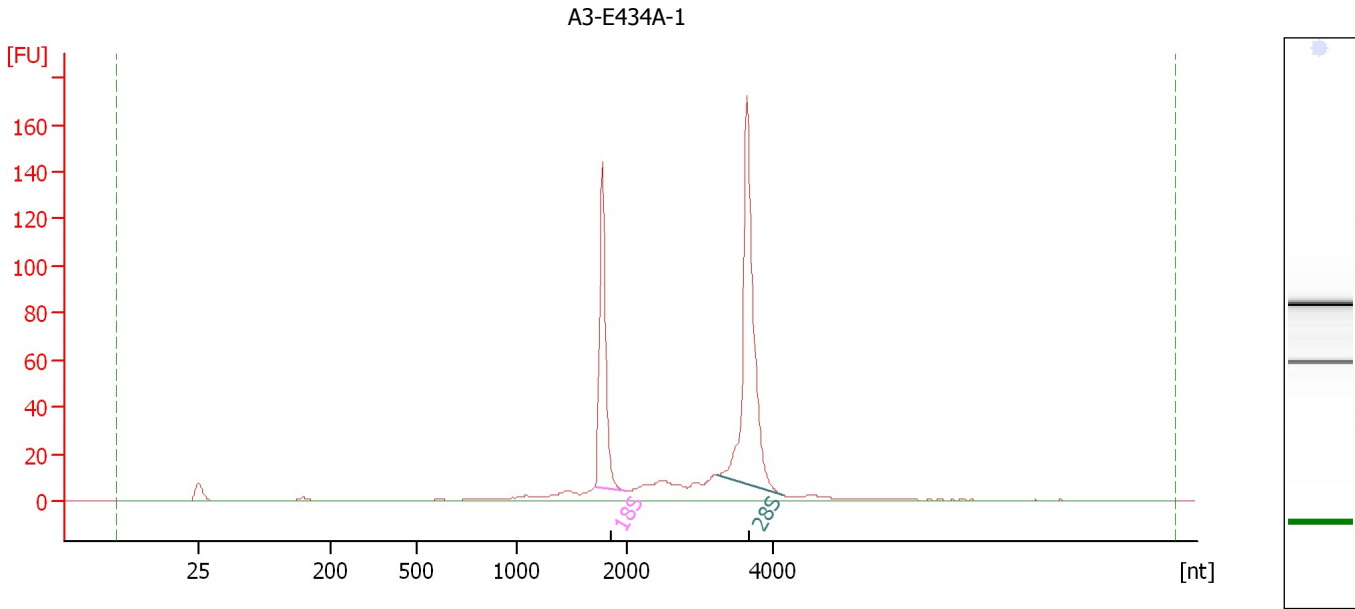
**Overall Results for Ladder**

RNA Area:	205.5	Result Flagging Color:	<span style="background-color: #add8e6; 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:\...\2100 expert\data\2017-08-28\2017-08-28\_004\_HiSeq1102QC.xad

Created: 8/28/2017 12:30:09 PM  
 Modified: 8/28/2017 1:36:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : A3-E434A-1**

RNA Area:	484.2	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	353 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]:	1.8	Result Flagging Label:	RIN: 9.80

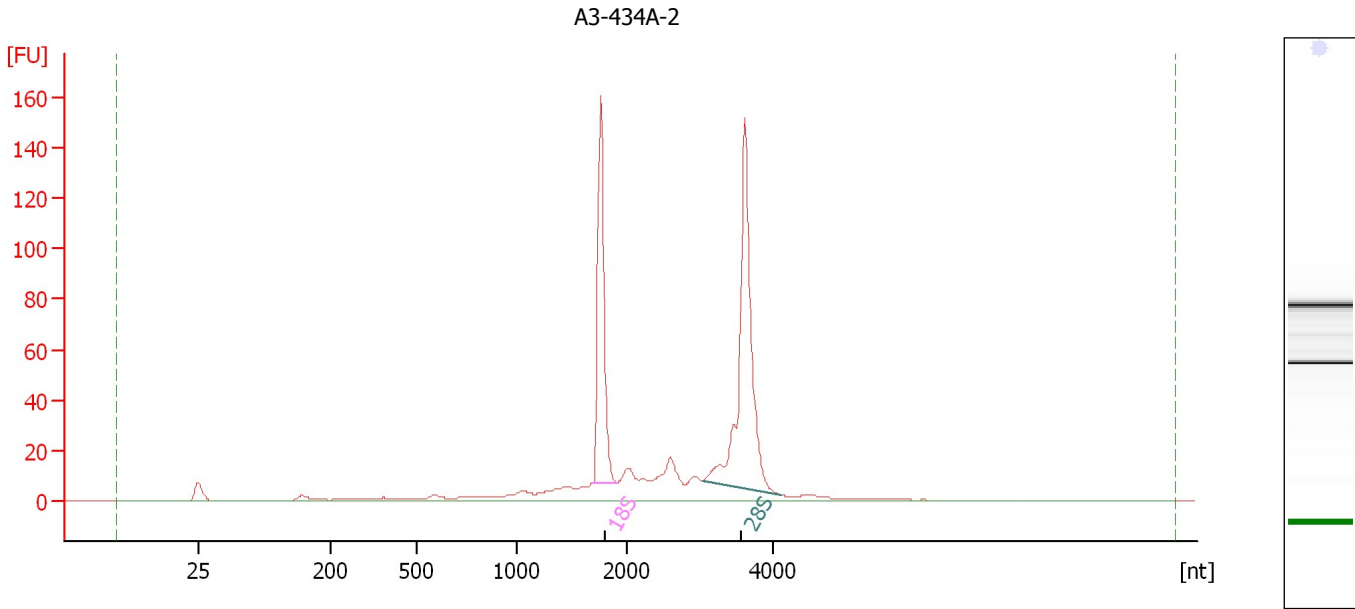
**Fragment table for sample 9 : A3-E434A-1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,722	2,022	108.3	22.4
28S	3,237	4,119	191.3	39.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...\2100 expert\data\2017-08-28\2017-08-28\_004\_HiSeq1102QC.xad

Created: 8/28/2017 12:30:09 PM  
 Modified: 8/28/2017 1:36:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : A3-434A-2**

RNA Area:	550.7	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	402 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]:	1.6	Result Flagging Label:	RIN: 9.10

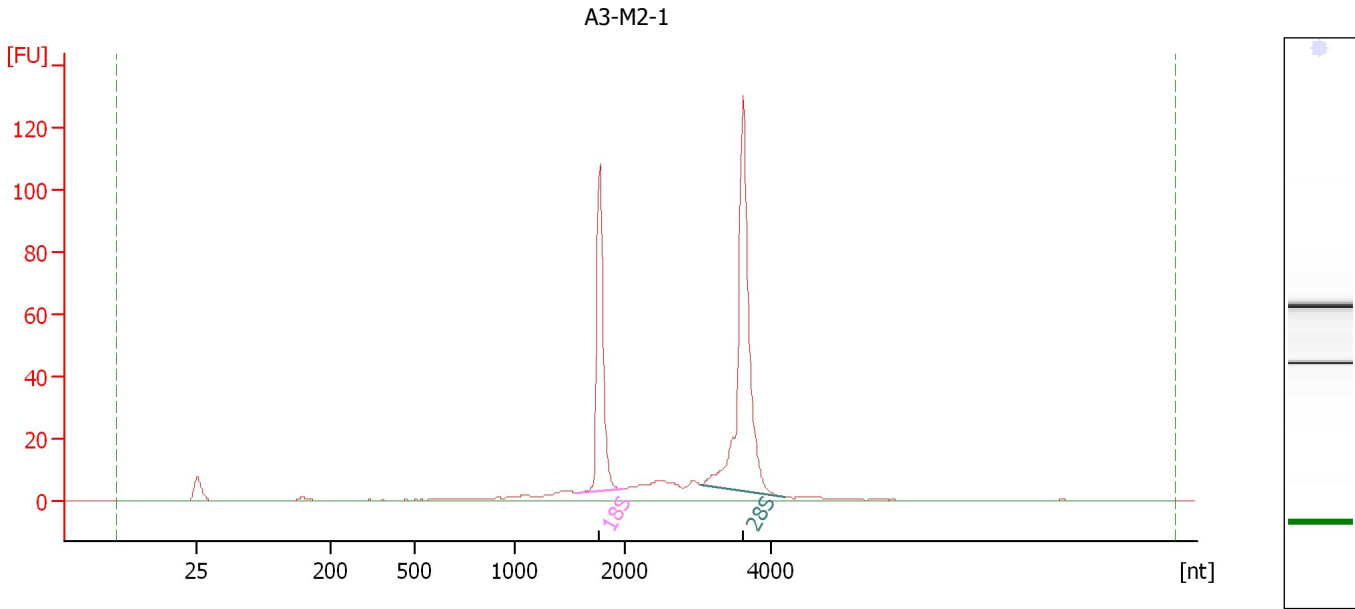
**Fragment table for sample 10 : A3-434A-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	1,917	117.9	21.4
28S	3,034	4,105	189.5	34.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...\2100 expert\data\2017-08-28\2017-08-28\_004\_HiSeq1102QC.xad

Created: 8/28/2017 12:30:09 PM  
 Modified: 8/28/2017 1:36:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : A3-M2-1**

RNA Area:	355.0	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	259 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]:	1.8	Result Flagging Label:	RIN: 9.90

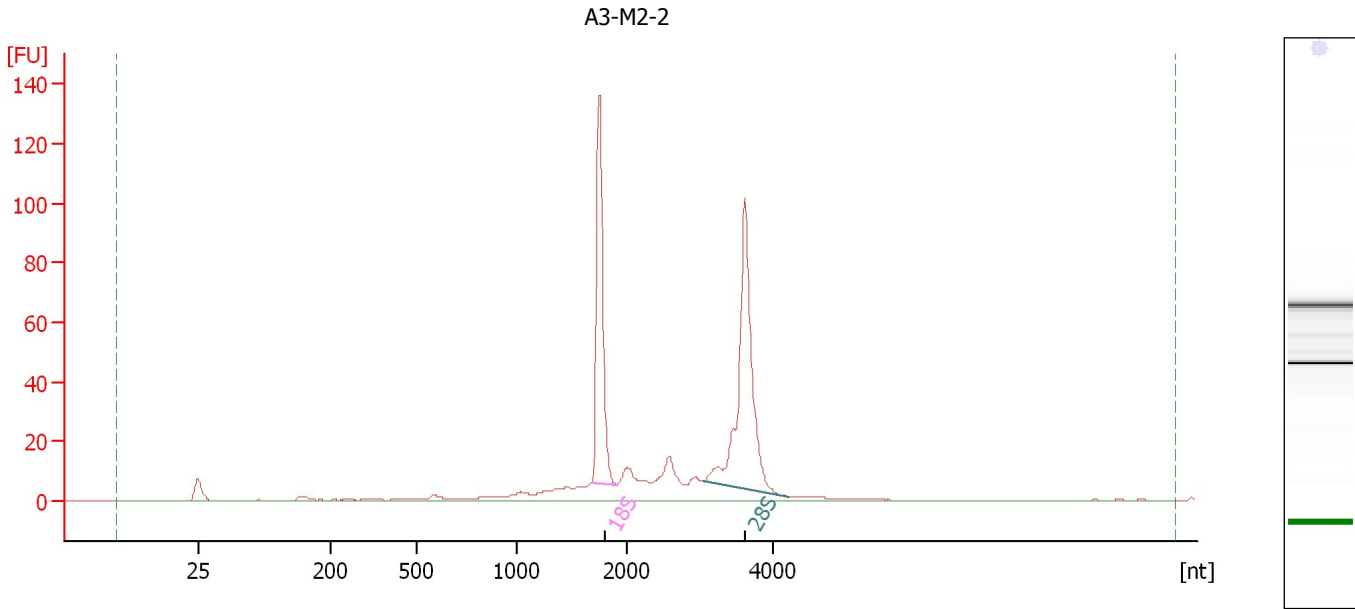
**Fragment table for sample 11 : A3-M2-1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,563	1,984	82.9	23.4
28S	3,049	4,180	149.3	42.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...\2100 expert\data\2017-08-28\2017-08-28\_004\_HiSeq1102QC.xad

Created: 8/28/2017 12:30:09 PM  
 Modified: 8/28/2017 1:36:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : A3-M2-2**

RNA Area:	423.4	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	309 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]:	1.4	Result Flagging Label:	RIN: 9.20

**Fragment table for sample 12 : A3-M2-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	1,907	100.3	23.7
28S	3,049	4,206	140.5	33.2



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...\2100 expert\data\2017-08-28\2017-08-28\_004\_HiSeq1102QC.xad

Created: 8/28/2017 12:30:09 PM  
Modified: 8/28/2017 1:36:43 PM

**Gel Image**

