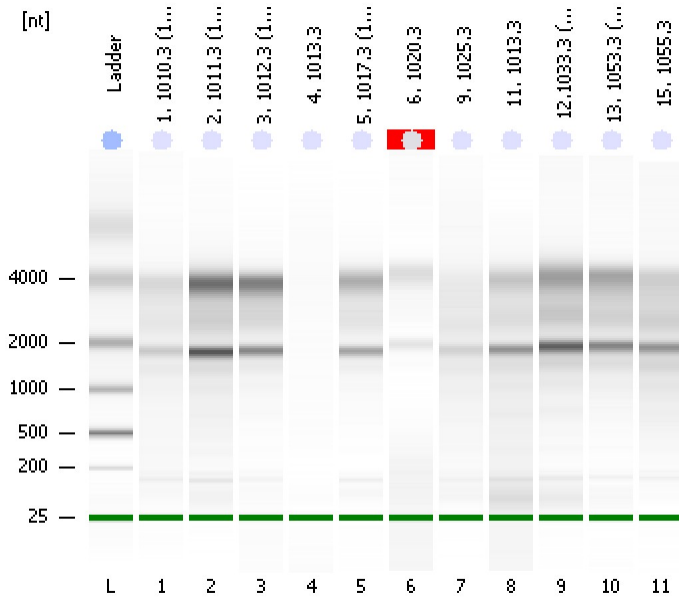


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electrophoresis File Run Summary



Instrument Information:

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

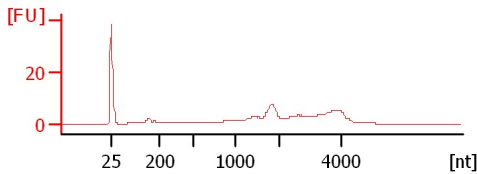
Assay Information:

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)
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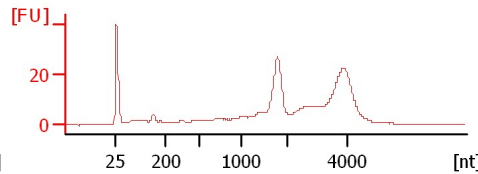
Chip Information:

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

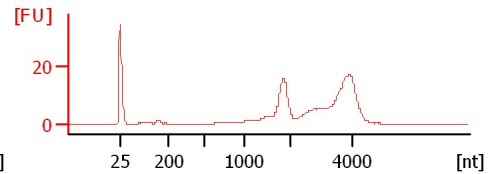
1. 1010.3 (1:3)
HiSeq_998
RIN: 5.50



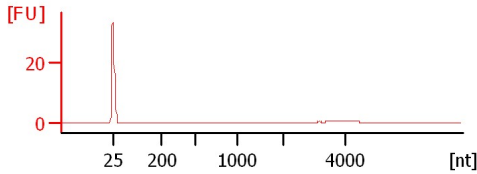
2. 1011.3 (1:2)
HiSeq_998
RIN: 9



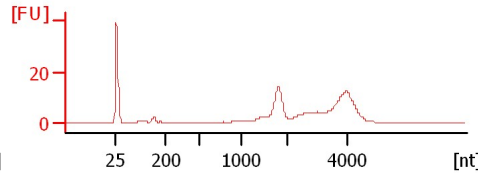
3. 1012.3 (1:4)
HiSeq_998
RIN: 9.80



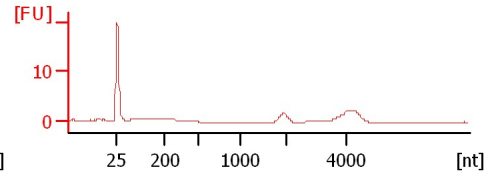
4. 1013.3
HiSeq_998
RIN: 1



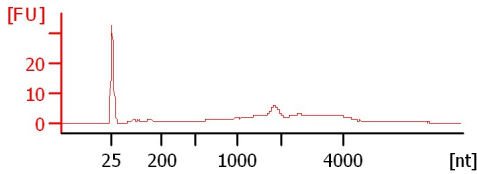
5. 1017.3 (1:4)
HiSeq_998
RIN: 9.70



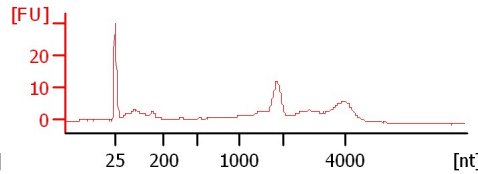
6. 1020.3
HiSeq_998
RIN N/A



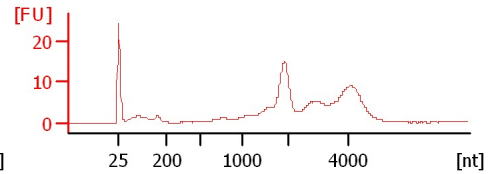
9. 1025.3
HiSeq_998
RIN: 4.20



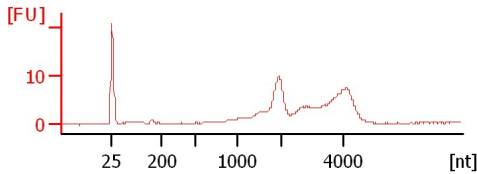
11. 1013.3
HiSeq_998
RIN: 8.20



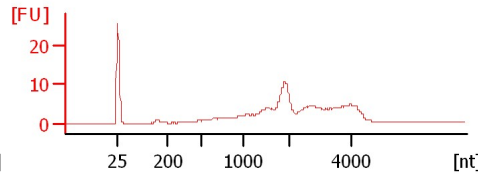
12. 1033.3 (1:5)
HiSeq_998
RIN: 8.90



13. 1053.3 (1:5)
HiSeq_998
RIN: 8.40



15. 1055.3
HiSeq_998
RIN: 5.70



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
 Modified: 6/7/2017 11:04:36 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1. 1010.3 (1:3)	HiSeq_998	✓	RIN: 5.50	
2. 1011.3 (1:2)	HiSeq_998	✓	RIN:9	
3. 1012.3 (1:4)	HiSeq_998	✓	RIN: 9.80	
4. 1013.3	HiSeq_998	✓	RIN:1	
5. 1017.3 (1:4)	HiSeq_998	✓	RIN: 9.70	
6. 1020.3	HiSeq_998	✓	RIN N/A	
9. 1025.3	HiSeq_998	✓	RIN: 4.20	
11. 1013.3	HiSeq_998	✓	RIN: 8.20	
12.1033.3 (1:5)	HiSeq_998	✓	RIN: 8.90	
13. 1053.3 (1:5)	HiSeq_998	✓	RIN: 8.40	
15. 1055.3	HiSeq_998	✓	RIN: 5.70	
Ladder		✓	All Other Samples	

Chip Lot #

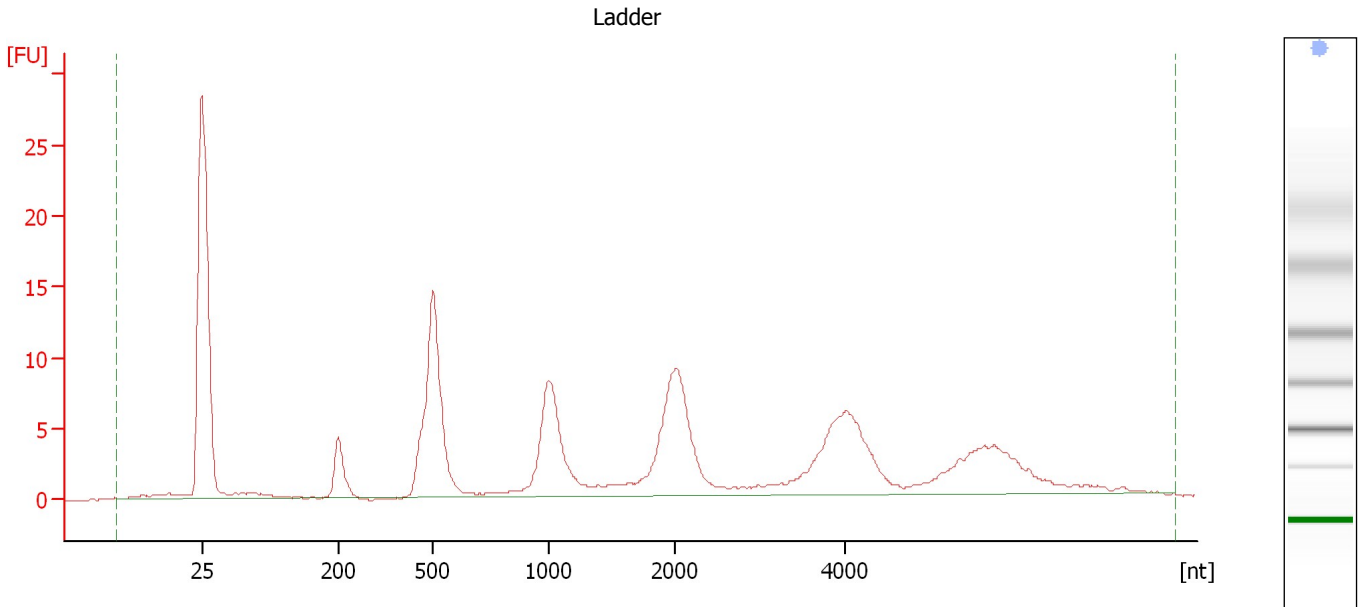
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary



Overall Results for Ladder

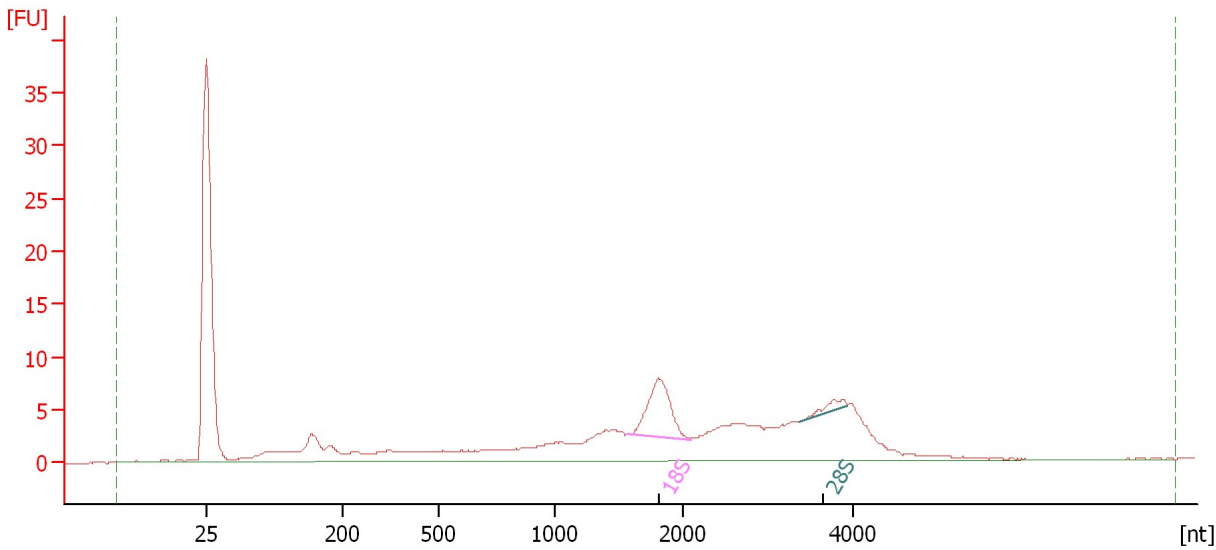
RNA Area:	169.0	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary Continued ...

1. 1010.3 (1:3) [HiSeq_998]



Overall Results for sample 1 : 1. 1010.3 (1:3)

RNA Area: 164.8 RNA Integrity Number (RIN): 5.5 (B.02.08)
RNA Concentration: 975 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 5.50

Fragment table for sample 1 : 1. 1010.3 (1:3)

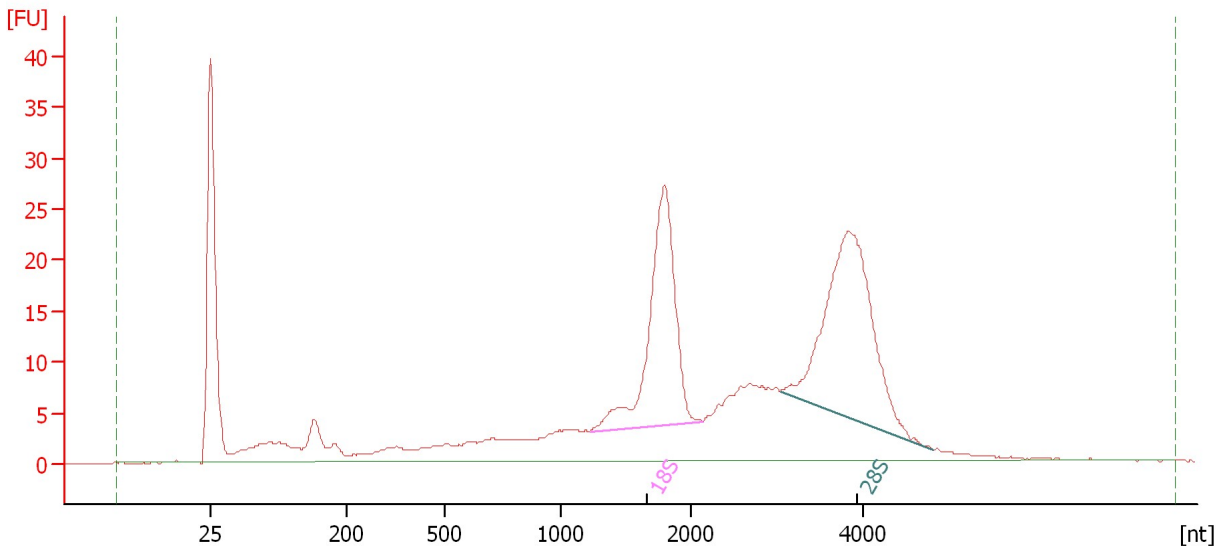
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,567	2,102	15.1	9.1
28S	3,377	3,939	2.1	1.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary Continued ...

2. 1011.3 (1:2) [HiSeq_998]



Overall Results for sample 2 : 2. 1011.3 (1:2)

RNA Area: 399.3 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 2,363 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN:9

Fragment table for sample 2 : 2. 1011.3 (1:2)

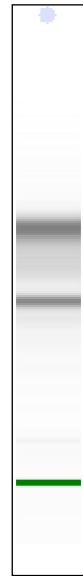
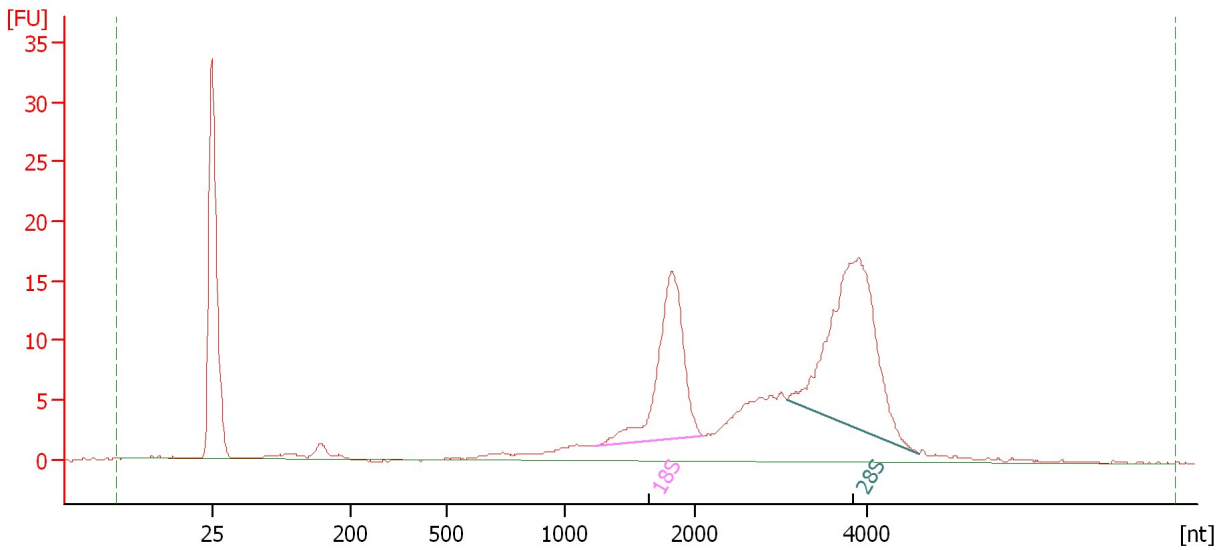
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,225	2,141	72.1	18.0
28S	3,046	4,806	87.4	21.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary Continued ...

3. 1012.3 (1:4) [HiSeq_998]



Overall Results for sample 3 : 3. 1012.3 (1:4)

RNA Area: 223.2 RNA Integrity Number (RIN): 9.8 (B.02.08)
RNA Concentration: 1,321 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.80

Fragment table for sample 3 : 3. 1012.3 (1:4)

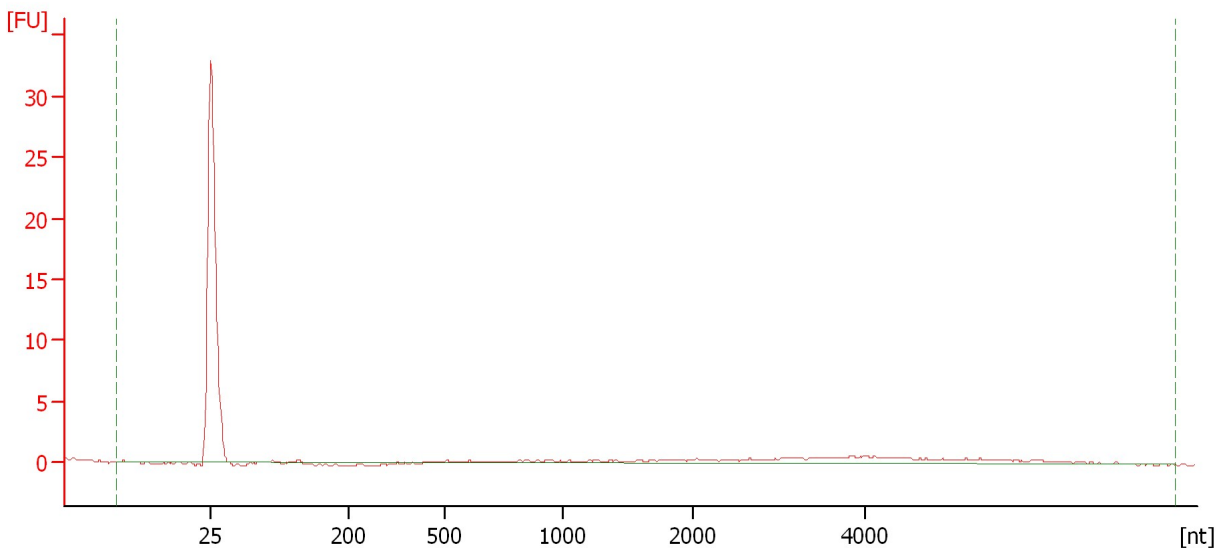
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,237	2,105	43.7	19.6
28S	3,067	4,598	65.3	29.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary Continued ...

4. 1013.3 [HiSeq_998]



Overall Results for sample 4 : 4. 1013.3

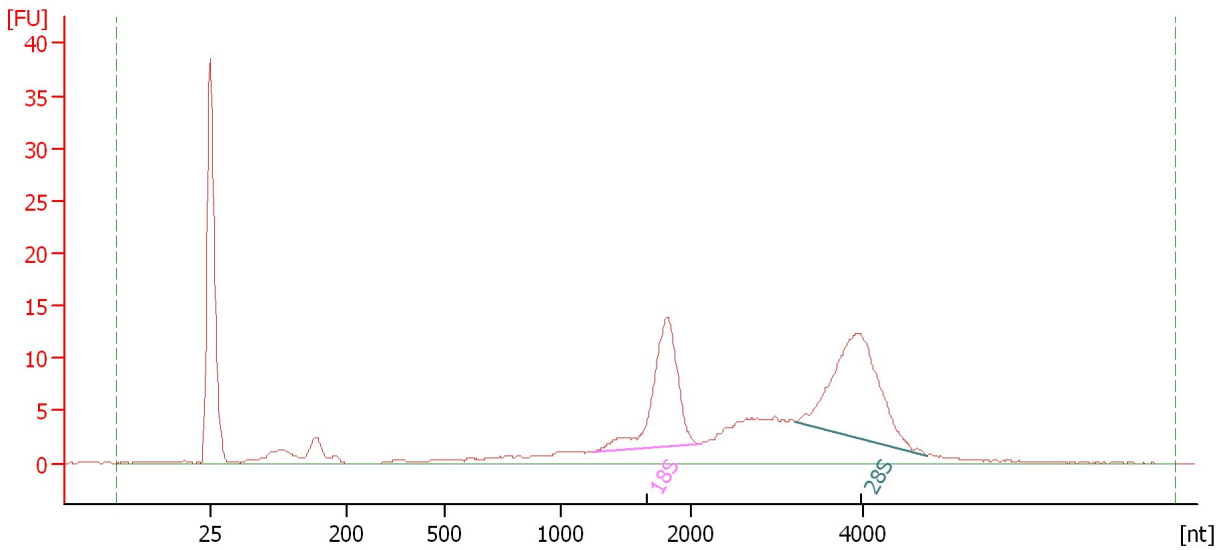
RNA Area:	15.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	92 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary Continued ...

5. 1017.3 (1:4) [HiSeq_998]



Overall Results for sample 5 : 5. 1017.3 (1:4)

RNA Area: 196.8 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 1,165 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 9.70

Fragment table for sample 5 : 5. 1017.3 (1:4)

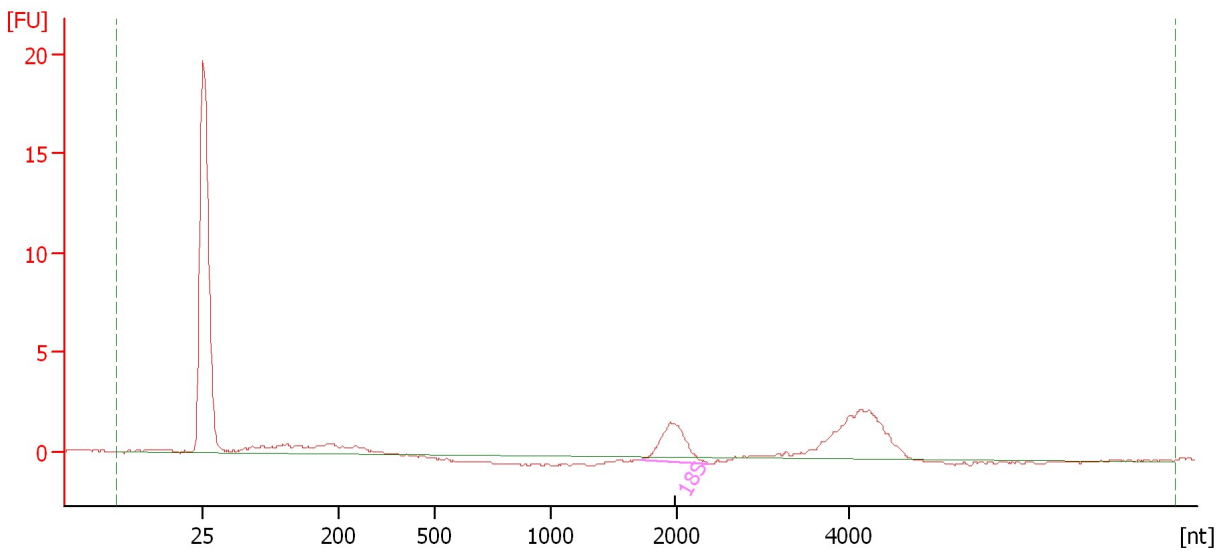
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,249	2,116	36.8	18.7
28S	3,219	4,744	46.9	23.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary Continued ...

6. 1020.3 [HiSeq_998]



Overall Results for sample 6 : 6. 1020.3

RNA Area:	26.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	154 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 6 : 6. 1020.3

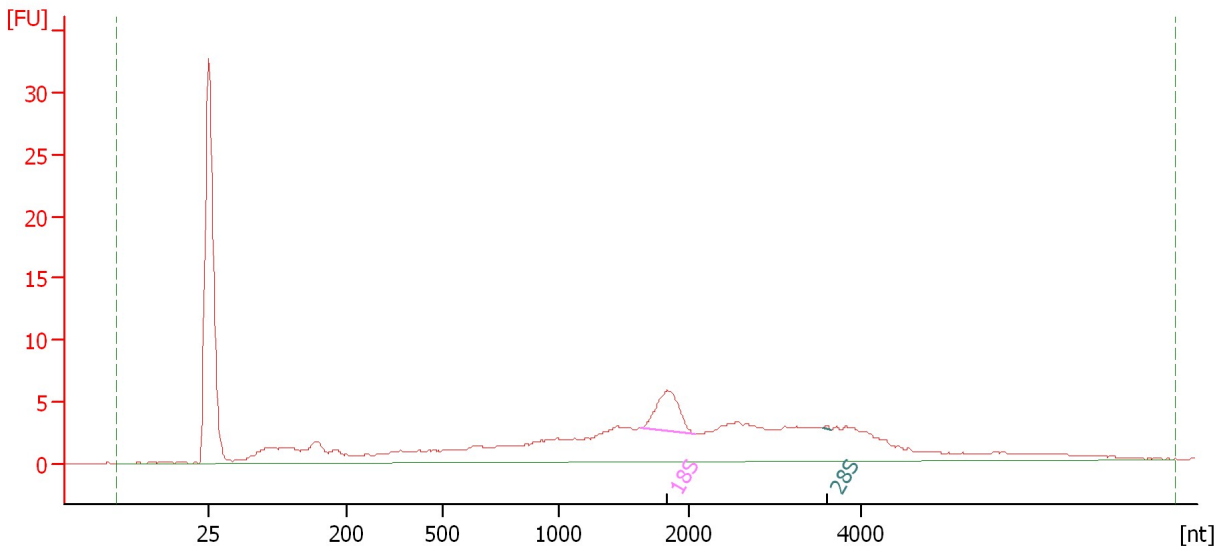
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,715	2,364	5.9	22.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary Continued ...

9. 1025.3 [HiSeq_998]



Overall Results for sample 7 : 9. 1025.3

RNA Area: 149.5 RNA Integrity Number (RIN): 4.2 (B.02.08)
RNA Concentration: 885 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 4.20

Fragment table for sample 7 : 9. 1025.3

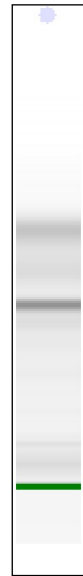
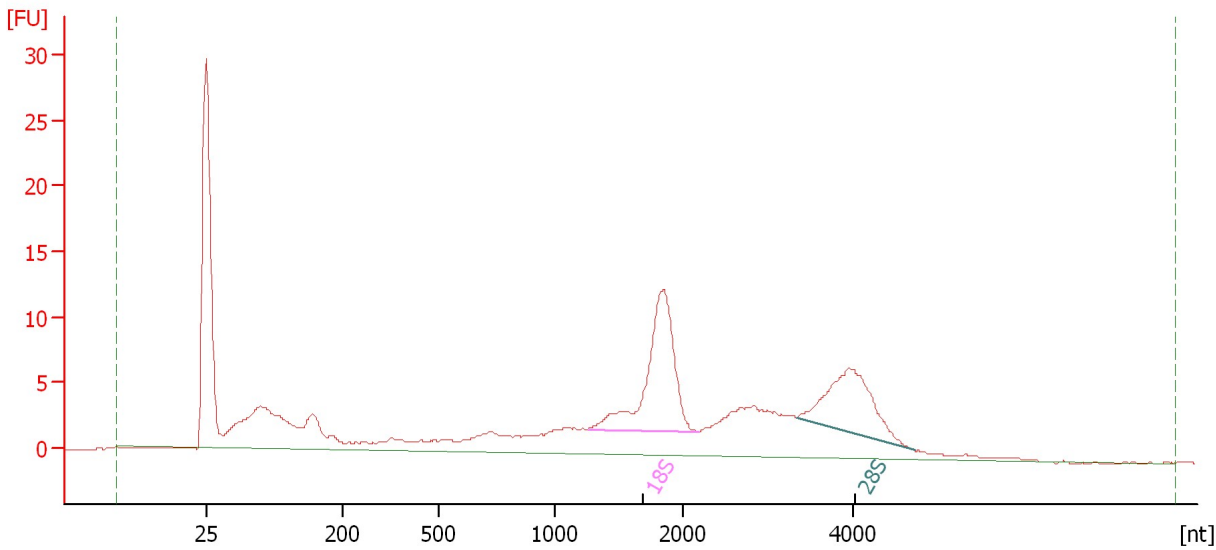
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,629	2,066	9.0	6.0
28S	3,556	3,668	0.1	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary Continued ...

11. 1013.3 [HiSeq_998]



Overall Results for sample 8 : 11. 1013.3

RNA Area: 207.2 RNA Integrity Number (RIN): 8.2 (B.02.08)
RNA Concentration: 1,226 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 8.20

Fragment table for sample 8 : 11. 1013.3

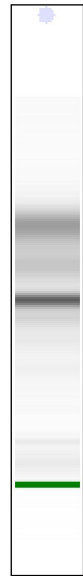
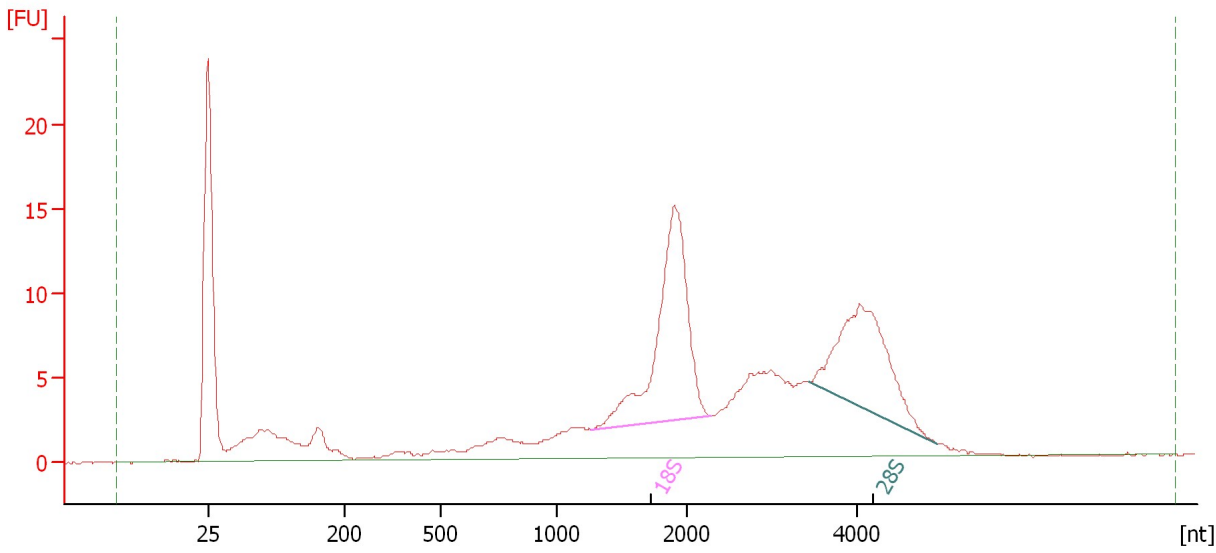
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,266	2,202	35.1	16.9
28S	3,339	4,714	22.4	10.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary Continued ...

12.1033.3 (1:5) [HiSeq_998]



Overall Results for sample 9 : 12.1033.3 (1:5)

RNA Area: 218.7 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 1,294 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 8.90

Fragment table for sample 9 : 12.1033.3 (1:5)

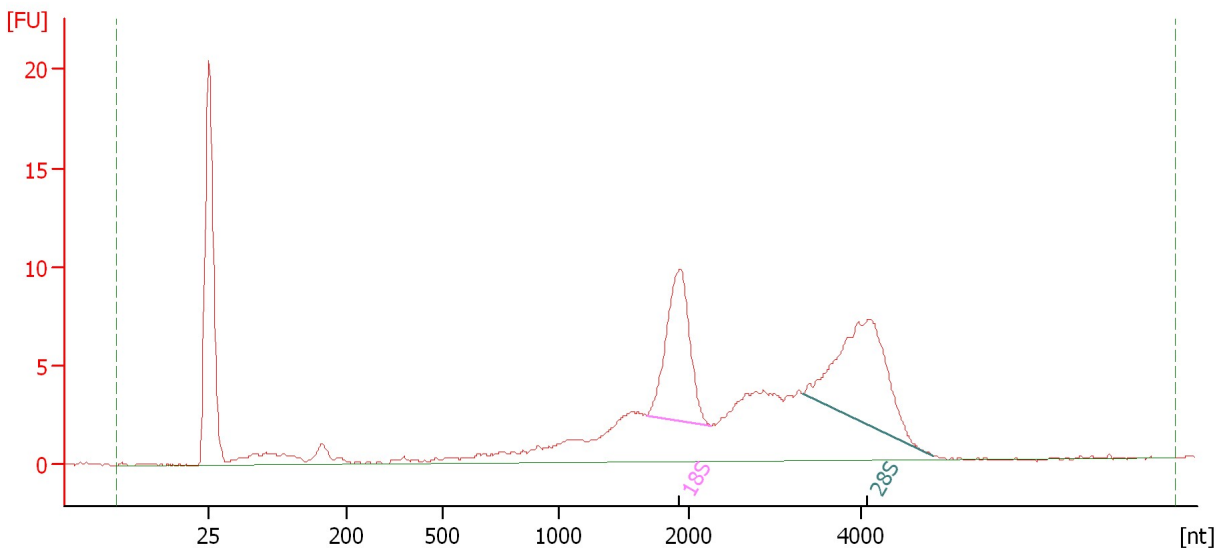
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,262	2,277	45.0	20.6
28S	3,434	4,928	30.6	14.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary Continued ...

13. 1053.3 (1:5) [HiSeq_998]



Overall Results for sample 10 : 13. 1053.3 (1:5)

RNA Area: 142.5 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 843 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 8.40

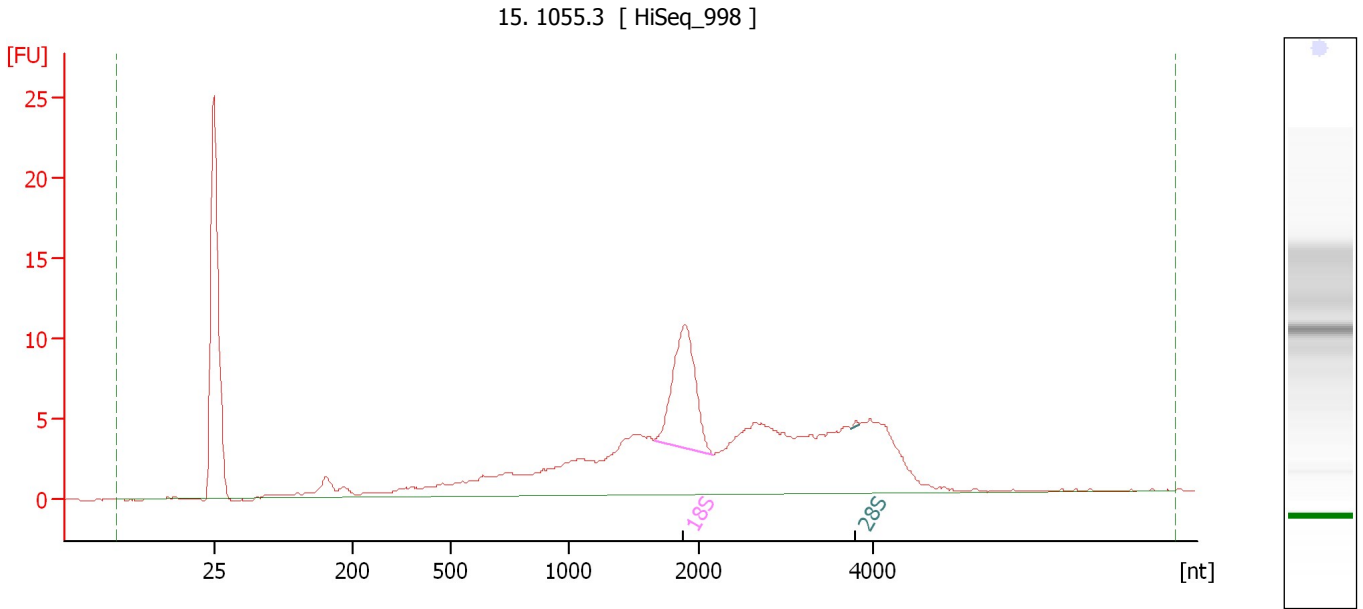
Fragment table for sample 10 : 13. 1053.3 (1:5)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	2,265	21.3	14.9
28S	3,333	4,848	25.8	18.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
Modified: 6/7/2017 11:04:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 15. 1055.3

RNA Area:	163.8	RNA Integrity Number (RIN):	5.7 (B.02.08)
RNA Concentration:	970 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.70

Fragment table for sample 11 : 15. 1055.3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,660	2,155	20.1	12.3
28S	3,753	3,851	0.1	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-07\2017-06-07_002.xad

Created: 6/7/2017 10:41:36 AM
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