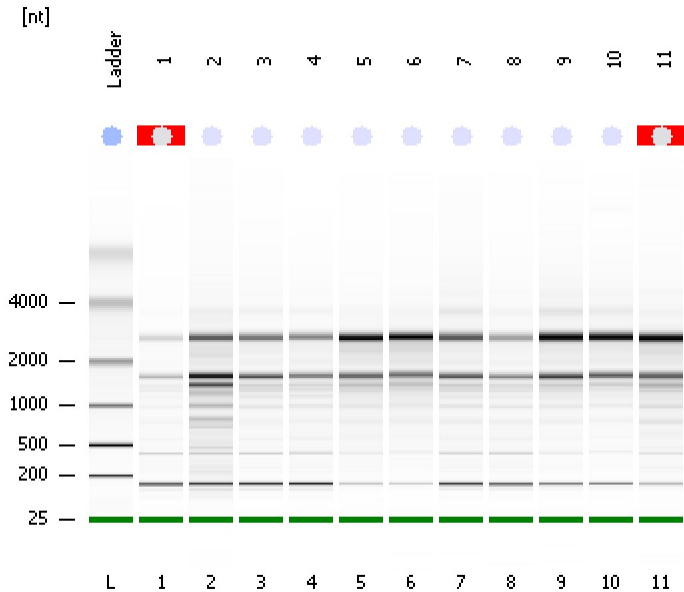


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electrophoresis File Run Summary



Instrument Information:

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

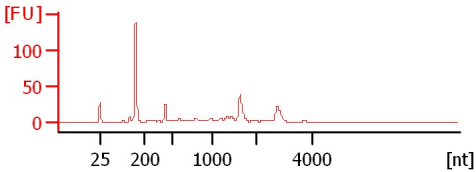
Assay Information:

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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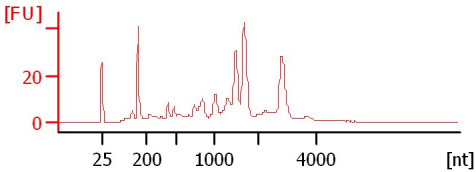
Chip Information:

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

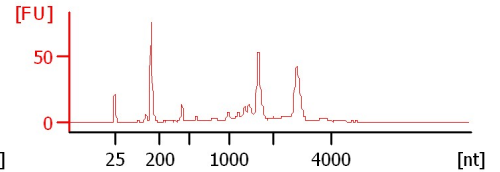
1
HiSeq1614
RIN: N/A



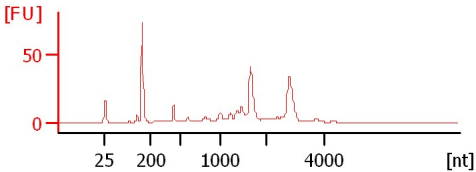
2
HiSeq1614
RIN: 6.50



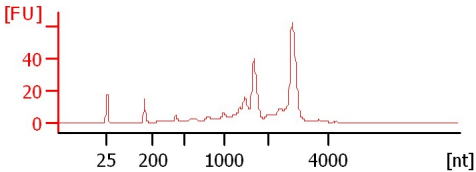
3
HiSeq1614
RIN: 7.60



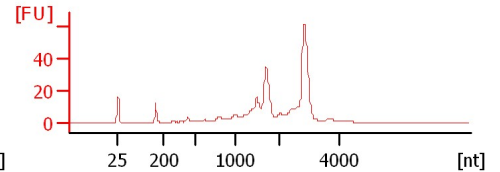
4
HiSeq1614
RIN: 7.50



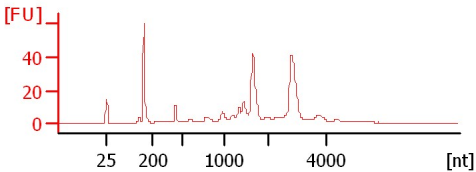
5
HiSeq1614
RIN: 8



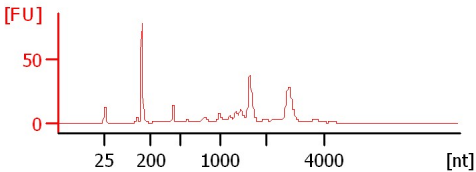
6
HiSeq1614
RIN: 8.10



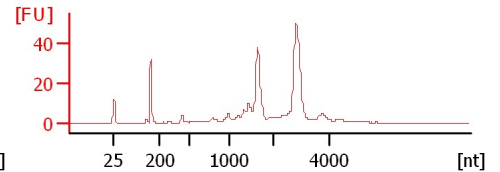
7
HiSeq1614
RIN: 7.80



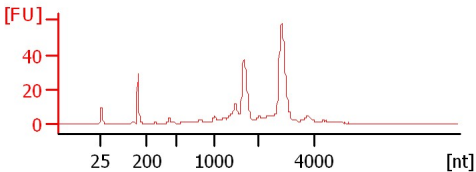
8
HiSeq1614
RIN: 7.40



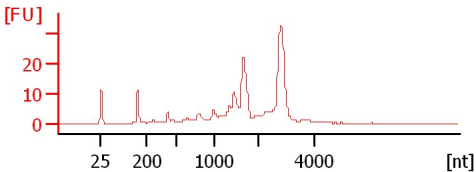
9
HiSeq1614
RIN: 8.30



10
HiSeq1614
RIN: 8.50



11
HiSeq1614
RIN: N/A



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	HiSeq1614	✓	RIN N/A	
2	HiSeq1614	✓	RIN: 6.50	
3	HiSeq1614	✓	RIN: 7.60	
4	HiSeq1614	✓	RIN: 7.50	
5	HiSeq1614	✓	RIN:8	
6	HiSeq1614	✓	RIN: 8.10	
7	HiSeq1614	✓	RIN: 7.80	
8	HiSeq1614	✓	RIN: 7.40	
9	HiSeq1614	✓	RIN: 8.30	
10	HiSeq1614	✓	RIN: 8.50	
11	HiSeq1614	✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

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/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 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

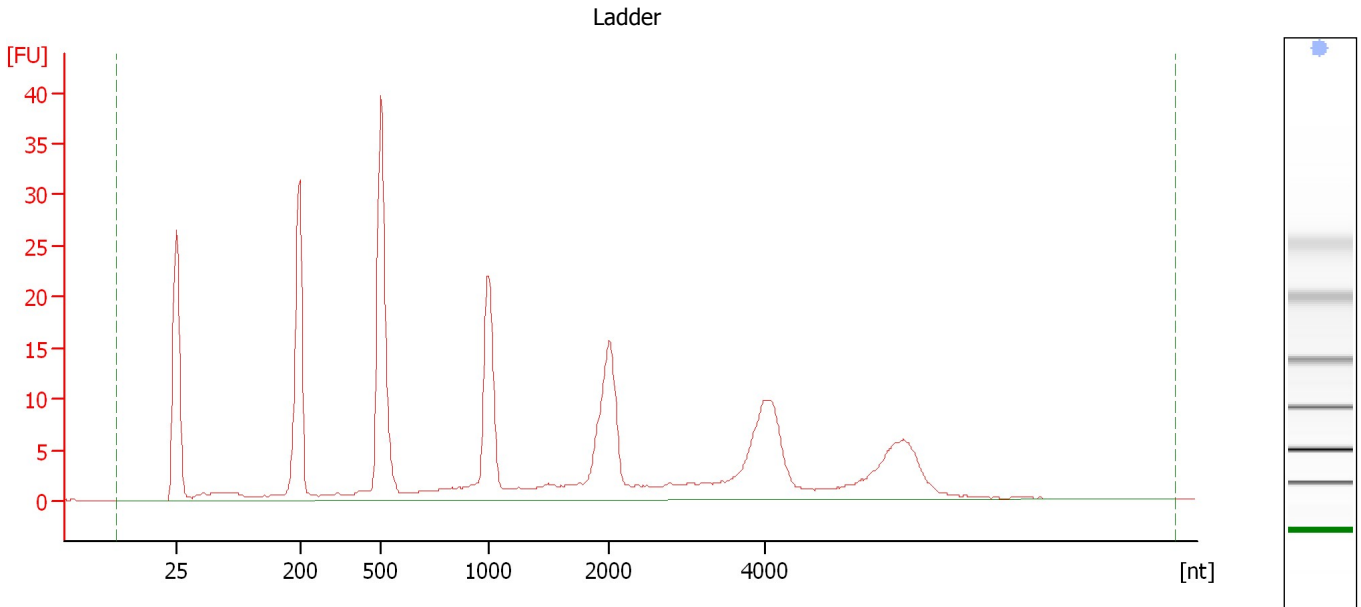
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary



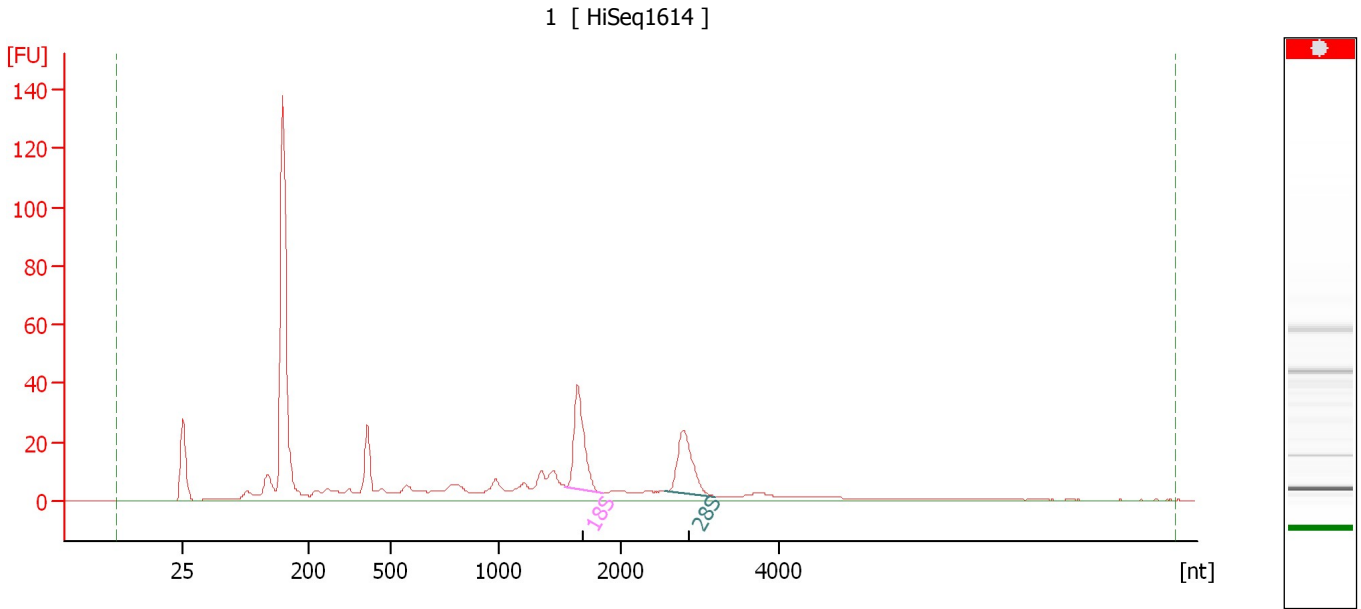
Overall Results for Ladder

RNA Area:	282.8	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\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1

RNA Area:	498.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1,762 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN N/A

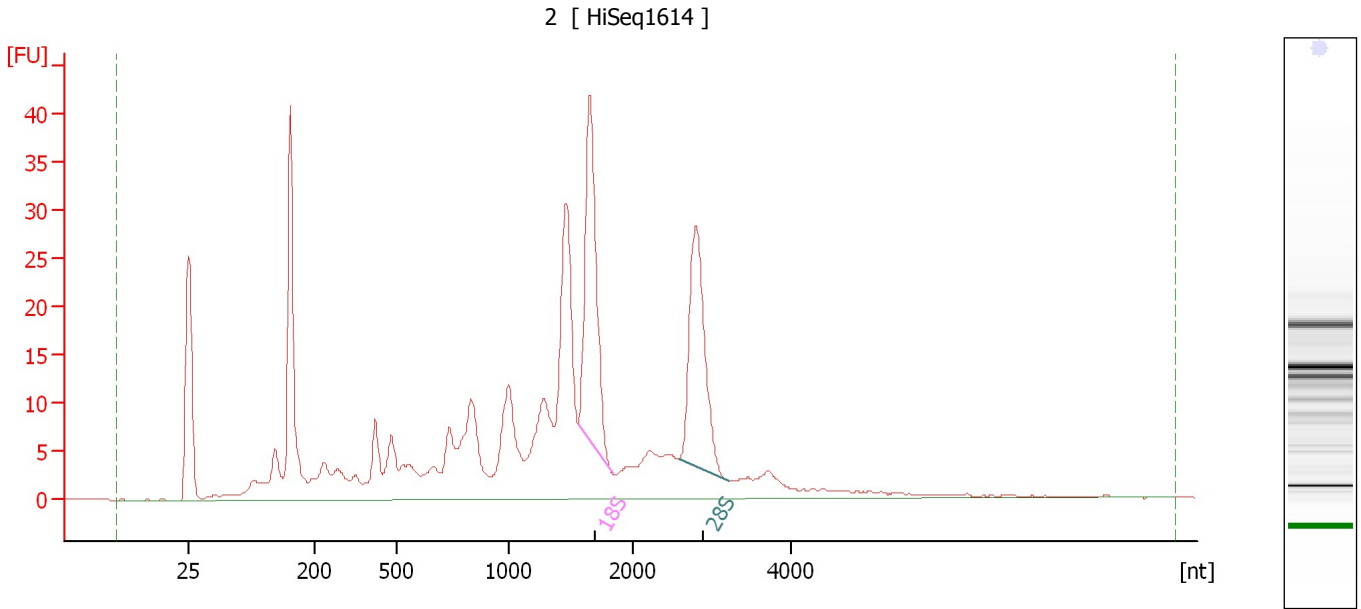
Fragment table for sample 1 : 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,542	1,838	46.8	9.4
28S	2,548	3,183	37.4	7.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2

RNA Area:	449.0	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	1,588 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 6.50

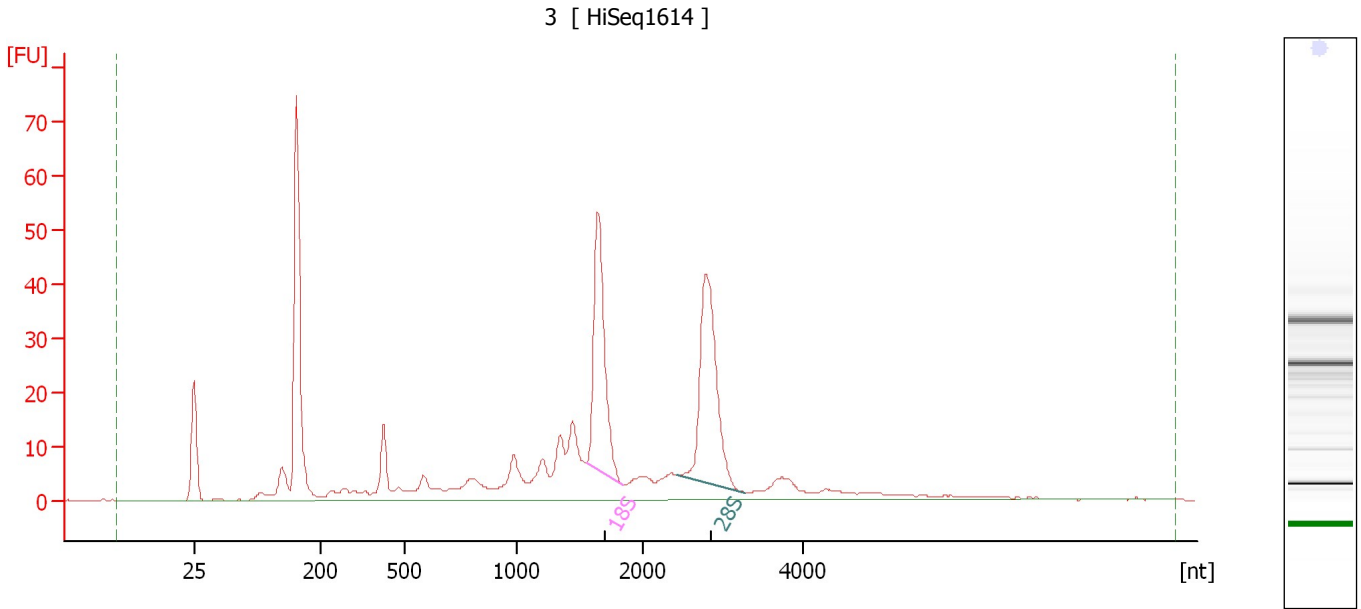
Fragment table for sample 2 : 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	1,844	52.2	11.6
28S	2,588	3,203	44.6	9.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3

RNA Area:	458.8	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	1,622 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.60

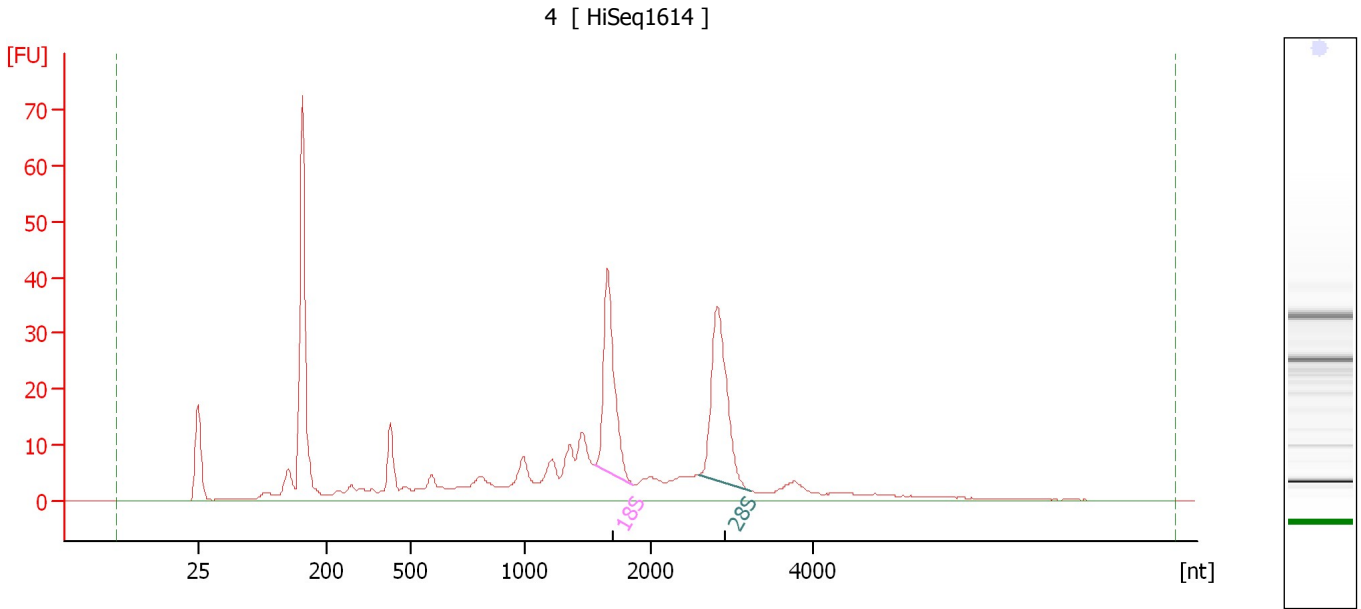
Fragment table for sample 3 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,551	1,841	64.7	14.1
28S	2,429	3,262	73.2	16.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4

RNA Area:	423.2	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	1,496 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.50

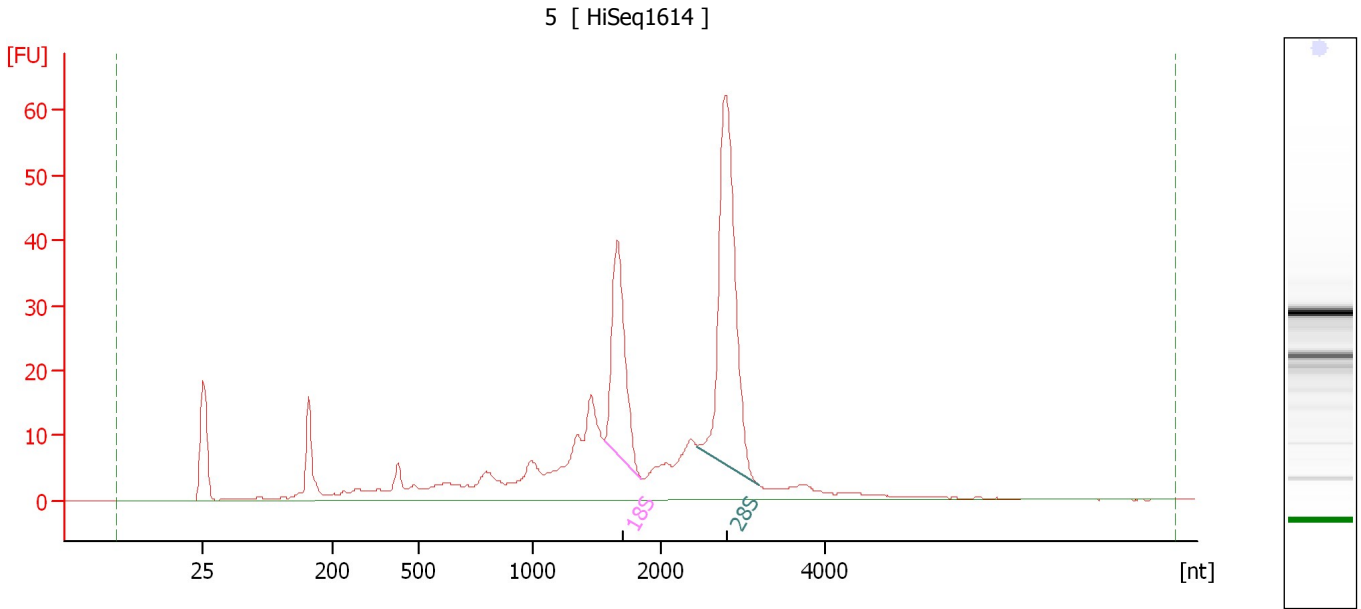
Fragment table for sample 4 : 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,854	50.5	11.9
28S	2,587	3,243	55.0	13.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 5

RNA Area:	420.5	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	1,487 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN:8

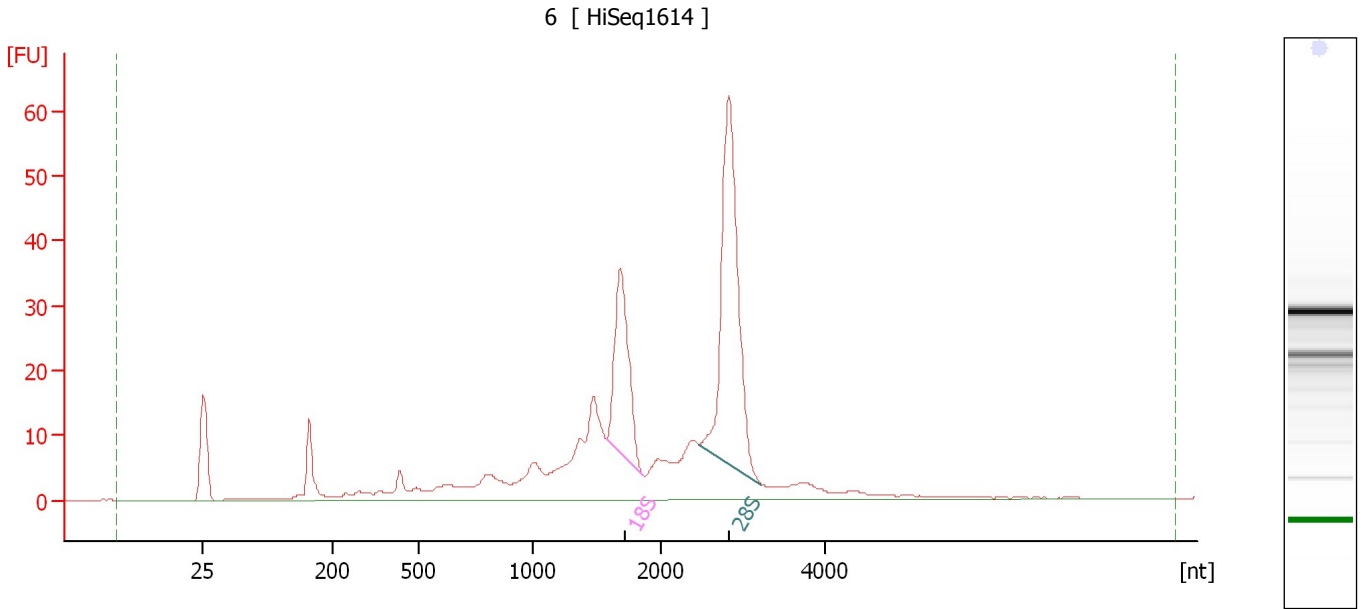
Fragment table for sample 5 : 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,851	52.3	12.4
28S	2,444	3,184	103.2	24.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6

RNA Area:	403.6	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	1,427 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 8.10

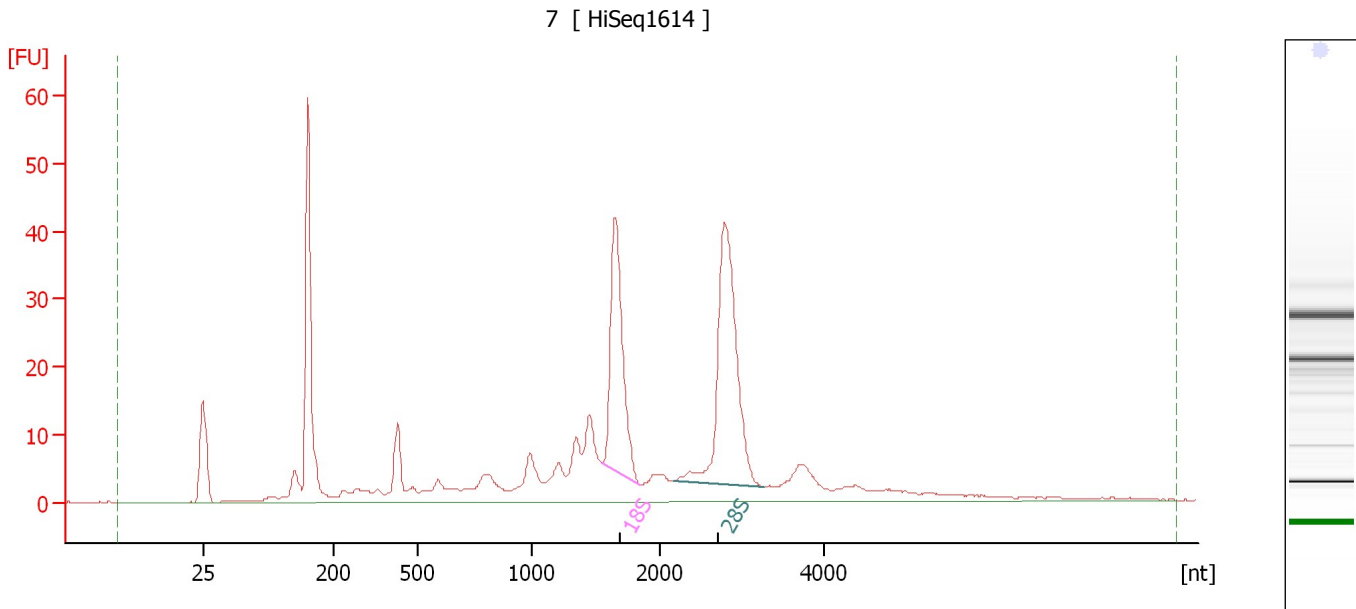
Fragment table for sample 6 : 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,575	1,868	49.1	12.2
28S	2,457	3,223	103.2	25.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7

RNA Area:	415.8	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	1,470 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.80

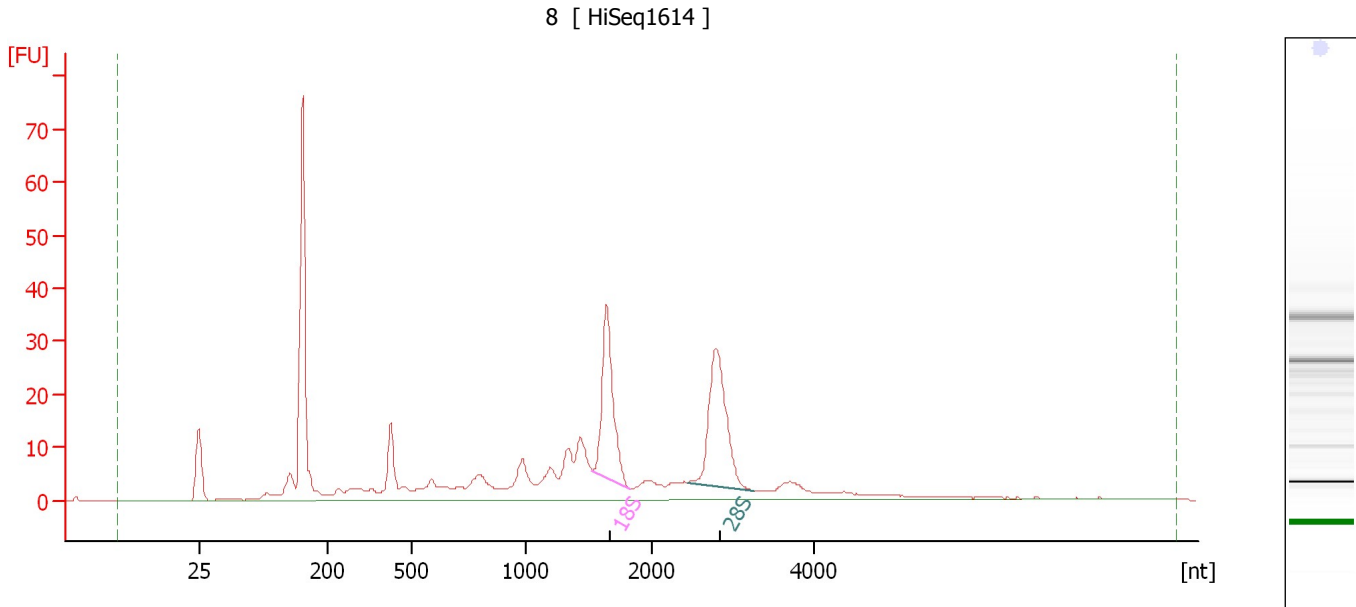
Fragment table for sample 7 : 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,548	1,850	55.5	13.3
28S	2,171	3,276	82.4	19.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8

RNA Area:	389.6	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	1,377 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.40

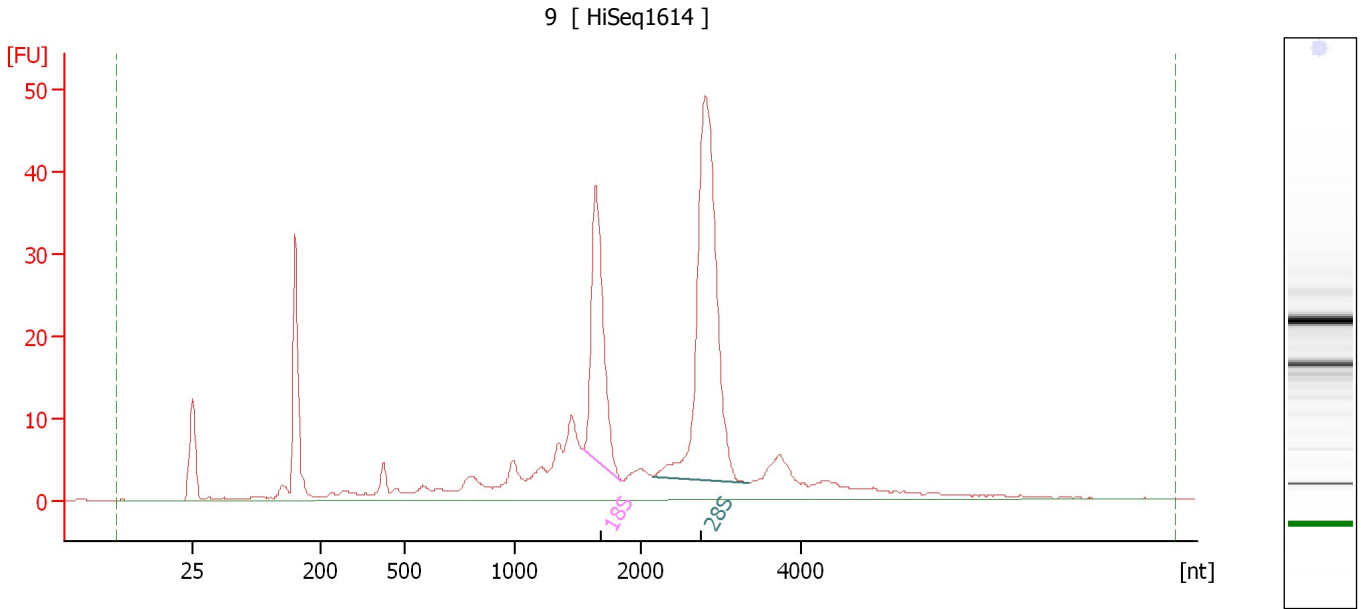
Fragment table for sample 8 : 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,532	1,829	45.1	11.6
28S	2,443	3,269	51.1	13.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9

RNA Area:	359.2	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	1,270 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 8.30

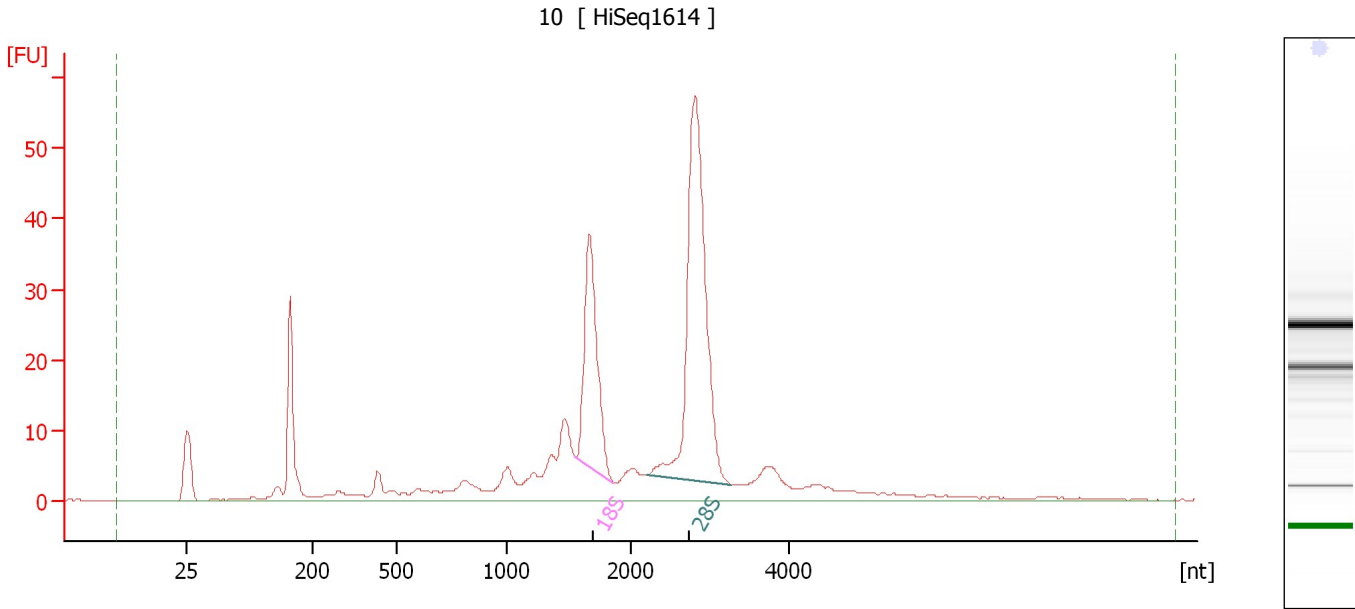
Fragment table for sample 9 : 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,540	1,849	50.9	14.2
28S	2,150	3,343	104.4	29.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 10

RNA Area:	383.2	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	1,355 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 8.50

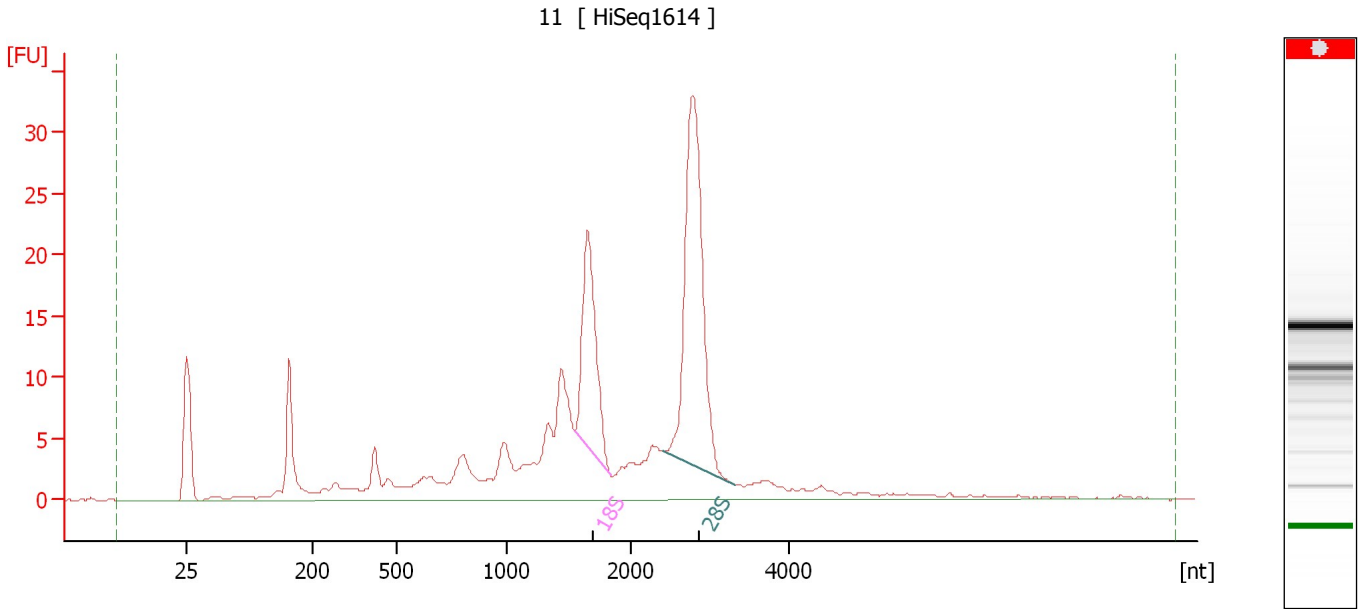
Fragment table for sample 10 : 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,557	1,869	54.3	14.2
28S	2,199	3,271	114.0	29.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 11

RNA Area:	263.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	933 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN N/A

Fragment table for sample 11 : 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,549	1,843	30.6	11.6
28S	2,414	3,325	61.9	23.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_001.xad

Created: 12/11/2018 11:17:11 AM
Modified: 12/11/2018 11:40:20 AM

Gel Image

