

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20_002.xad

Created: 9/20/2018 2:33:41 PM
Modified: 9/20/2018 3:01:18 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

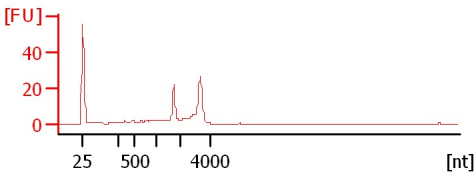
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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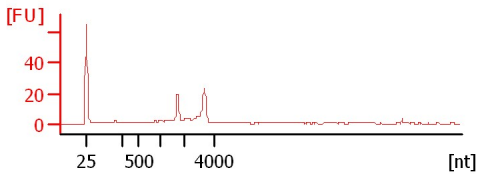
Chip Information:

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

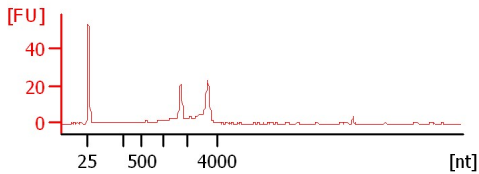
23: 44028 P2
HiSeq1528
RIN: 7.20



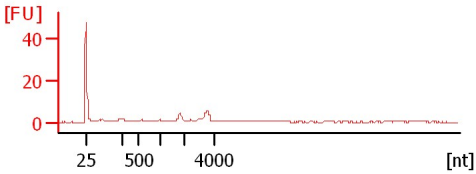
24: 44028 P3
HiSeq1528
RIN: 7.50



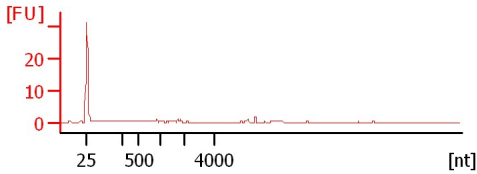
25: 44028 P4
HiSeq1528
RIN: 7.40



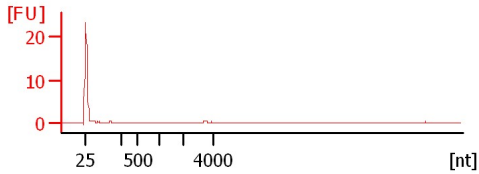
26: 44013 P1
HiSeq1528
RIN: 7.60



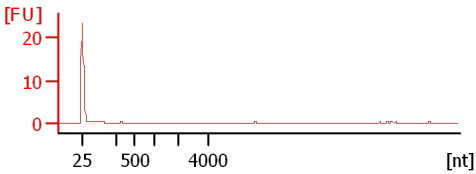
27: 44013 P2
HiSeq1528
RIN: 1.20



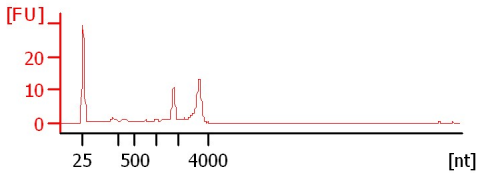
28: 44013 P3
HiSeq1528
RIN: 1



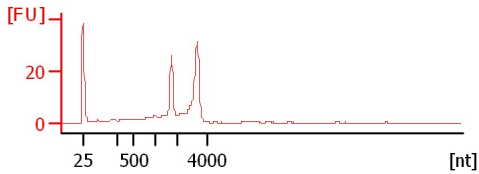
29: 44013 P4
HiSeq1528
RIN: 1



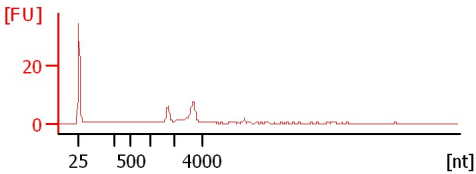
30: 44096 P1
HiSeq1528
RIN: 7.50



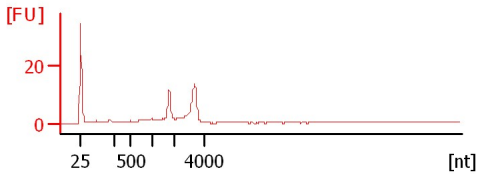
31: 44096 P2
HiSeq1528
RIN: 6.90



32: 44096 P3
HiSeq1528
RIN: 7.70



33: 44096 P4
HiSeq1528
RIN: 7.60



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
23: 44028 P2	HiSeq1528	✓	RIN: 7.20	
24: 44028 P3	HiSeq1528	✓	RIN: 7.50	
25: 44028 P4	HiSeq1528	✓	RIN: 7.40	
26: 44013 P1	HiSeq1528	✓	RIN: 7.60	
27: 44013 P2	HiSeq1528	✓	RIN: 1.20	
28: 44013 P3	HiSeq1528	✓	RIN:1	
29: 44013 P4	HiSeq1528	✓	RIN:1	
30: 44096 P1	HiSeq1528	✓	RIN: 7.50	
31: 44096 P2	HiSeq1528	✓	RIN: 6.90	
32: 44096 P3	HiSeq1528	✓	RIN: 7.70	
33: 44096 P4	HiSeq1528	✓	RIN: 7.60	
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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ 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

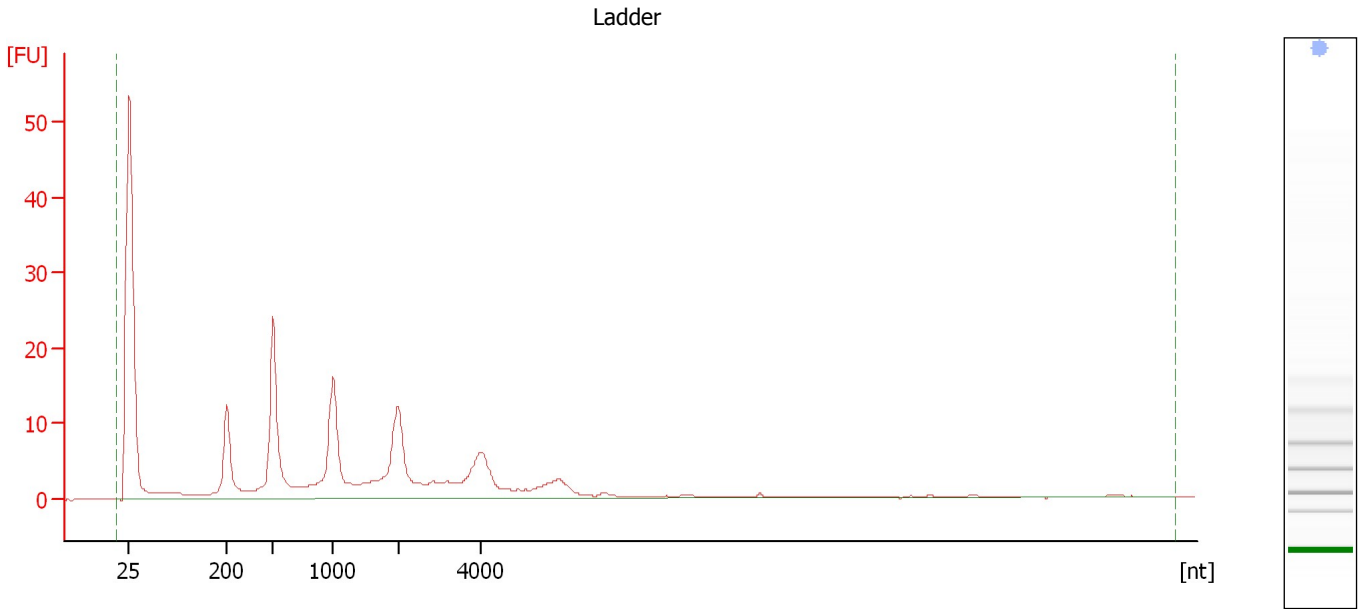
Ladder

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

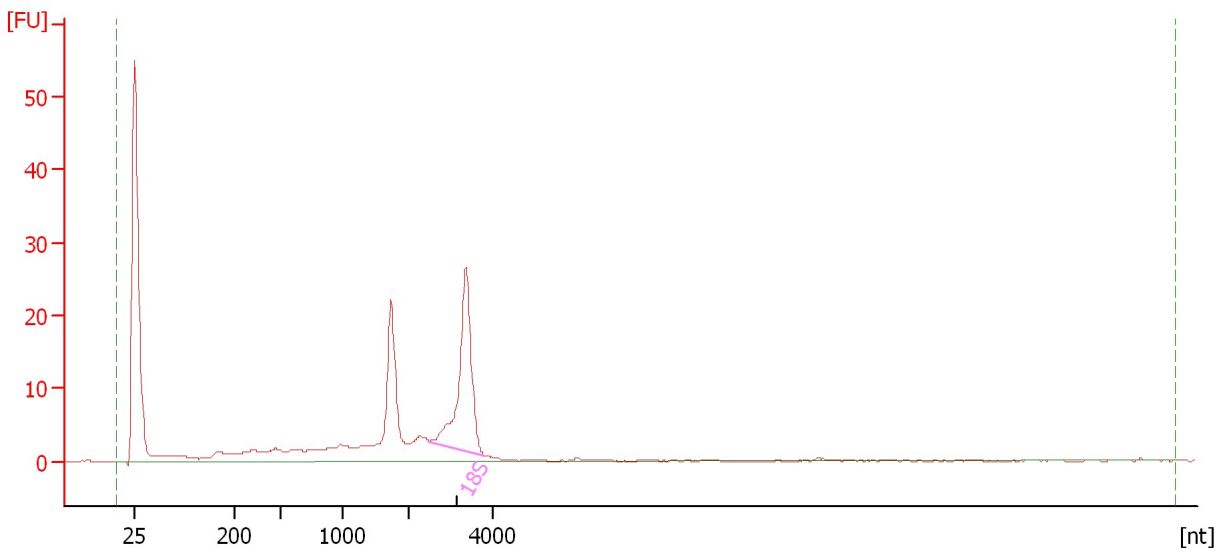
RNA Area:	197.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...

23: 44028 P2 [HiSeq1528]



Overall Results for sample 1 : 23: 44028 P2

RNA Area:	162.9	RNA Integrity Number (RIN):	7.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	823 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.20

Fragment table for sample 1 : 23: 44028 P2

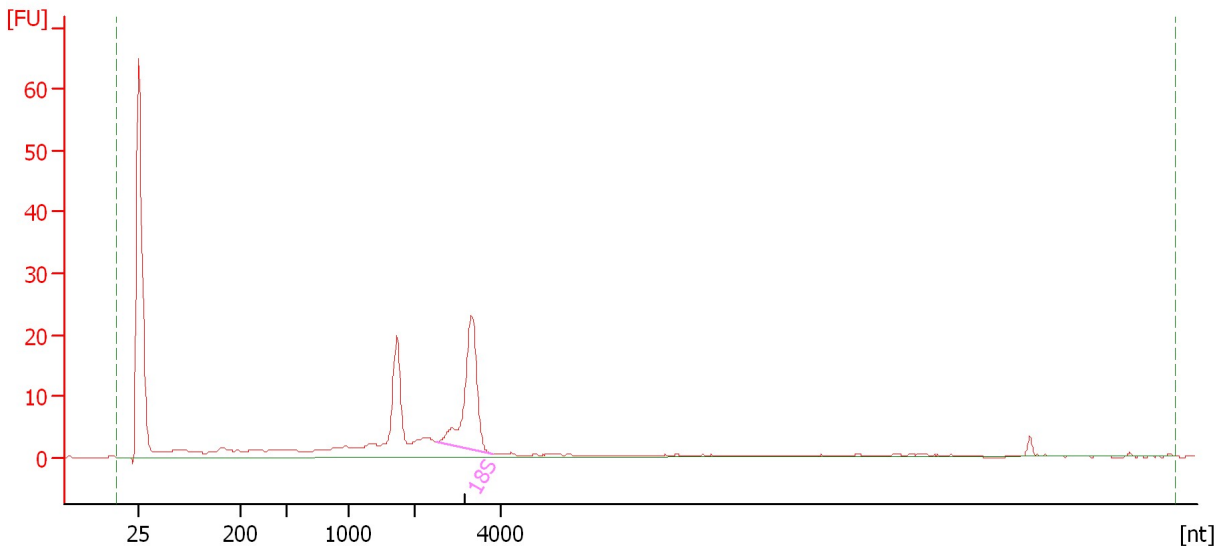
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,485	3,824	47.5	29.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20_002.xad

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Electropherogram Summary Continued ...

24: 44028 P3 [HiSeq1528]



Overall Results for sample 2 : 24: 44028 P3

RNA Area:	143.2	RNA Integrity Number (RIN):	7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	724 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.50

Fragment table for sample 2 : 24: 44028 P3

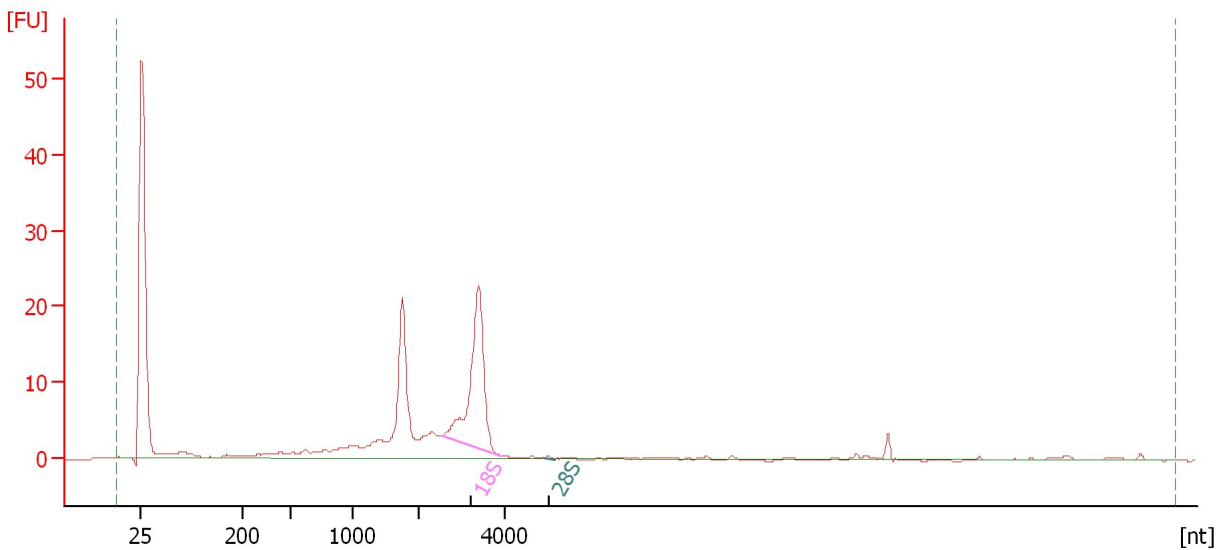
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,518	3,794	40.0	28.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20_002.xad

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Electropherogram Summary Continued ...

25: 44028 P4 [HiSeq1528]



Overall Results for sample 3 : 25: 44028 P4

RNA Area:	141.8	RNA Integrity Number (RIN):	7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	717 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.40

Fragment table for sample 3 : 25: 44028 P4

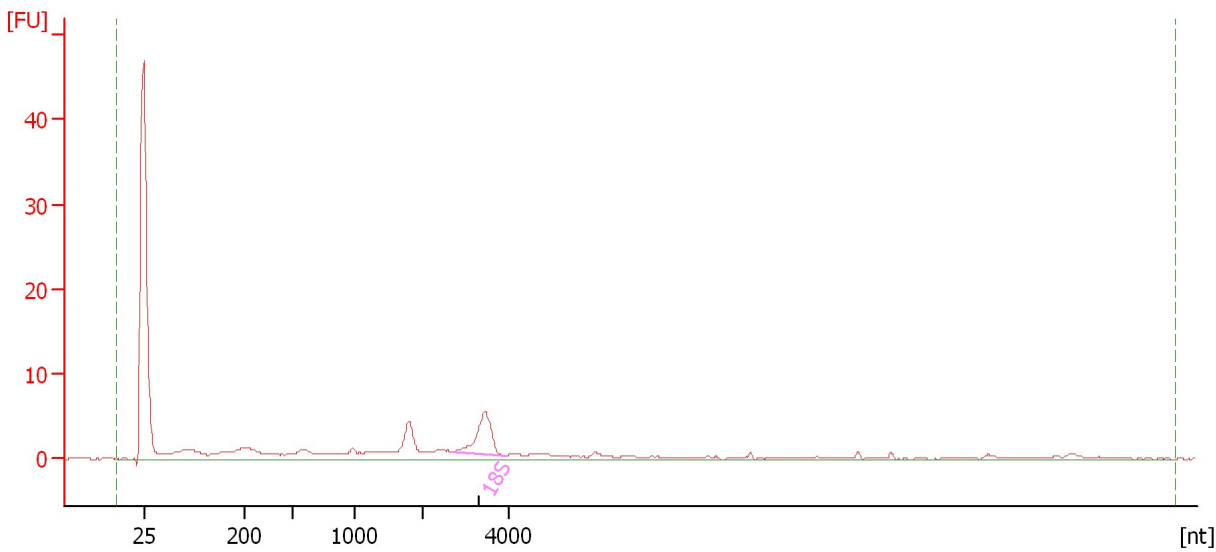
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,534	3,903	42.9	30.2
28S	4,899	5,148	0.2	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20_002.xad

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Electropherogram Summary Continued ...

26. 44013 P1 [HiSeq1528]



Overall Results for sample 4 : 26. 44013 P1

RNA Area: 74.0 RNA Integrity Number (RIN): 7.6 (B.02.08)
RNA Concentration: 374 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 7.60

Fragment table for sample 4 : 26. 44013 P1

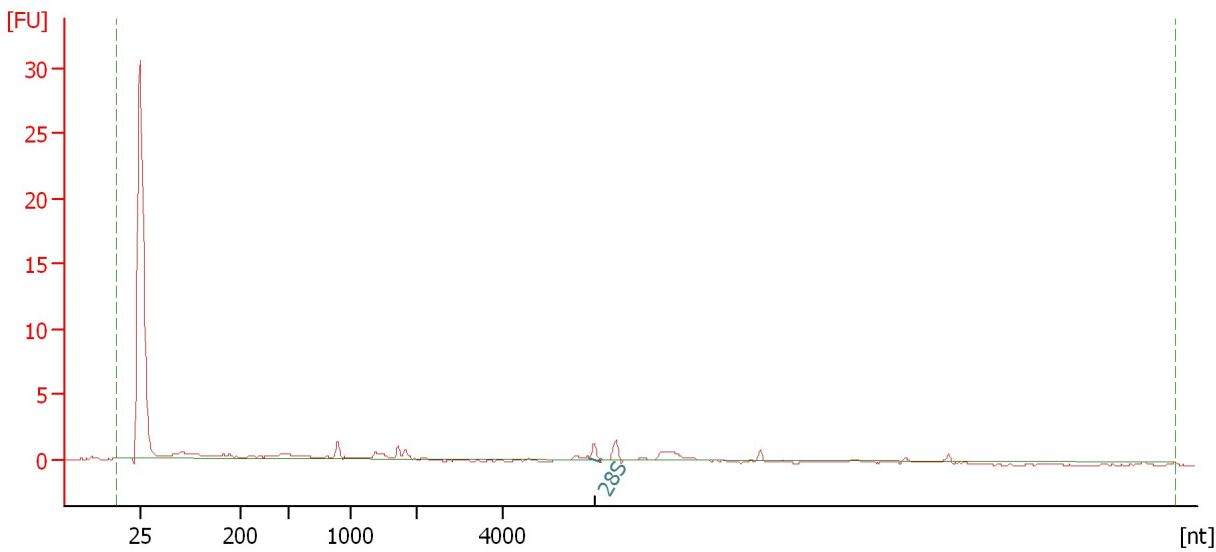
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,698	3,937	10.9	14.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20_002.xad

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Electropherogram Summary Continued ...

27. 44013 P2 [HiSeq1528]



Overall Results for sample 5 : 27. 44013 P2

RNA Area:	16.8	RNA Integrity Number (RIN):	1.2 (B.02.08)
RNA Concentration:	85 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Fragment table for sample 5 : 27. 44013 P2

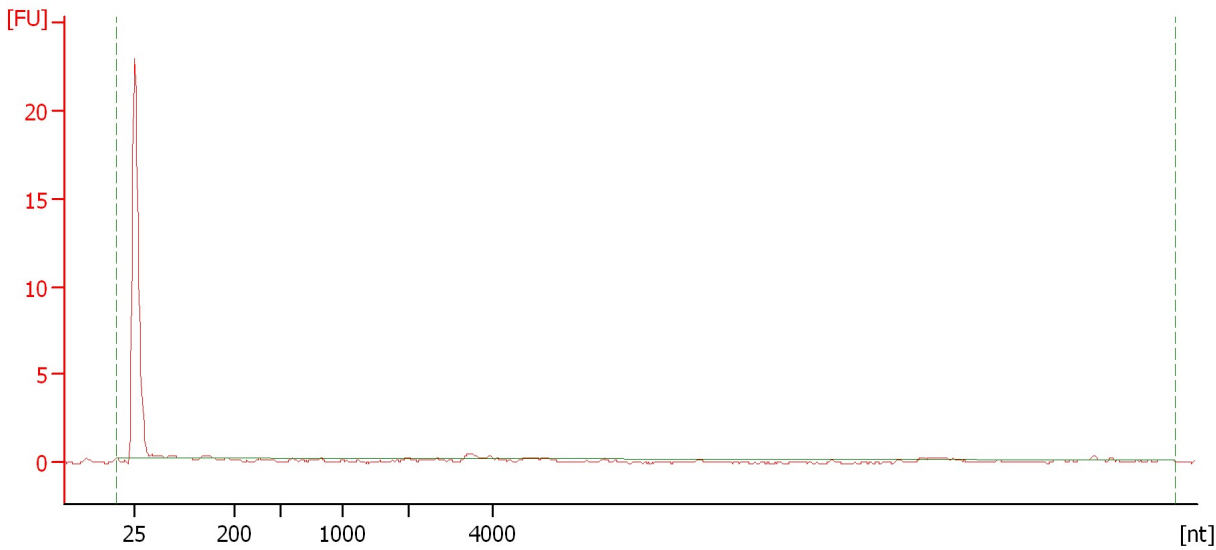
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	6,020	6,269	0.7	4.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20_002.xad

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Electropherogram Summary Continued ...

28. 44013 P3 [HiSeq1528]



Overall Results for sample 6 : 28. 44013 P3

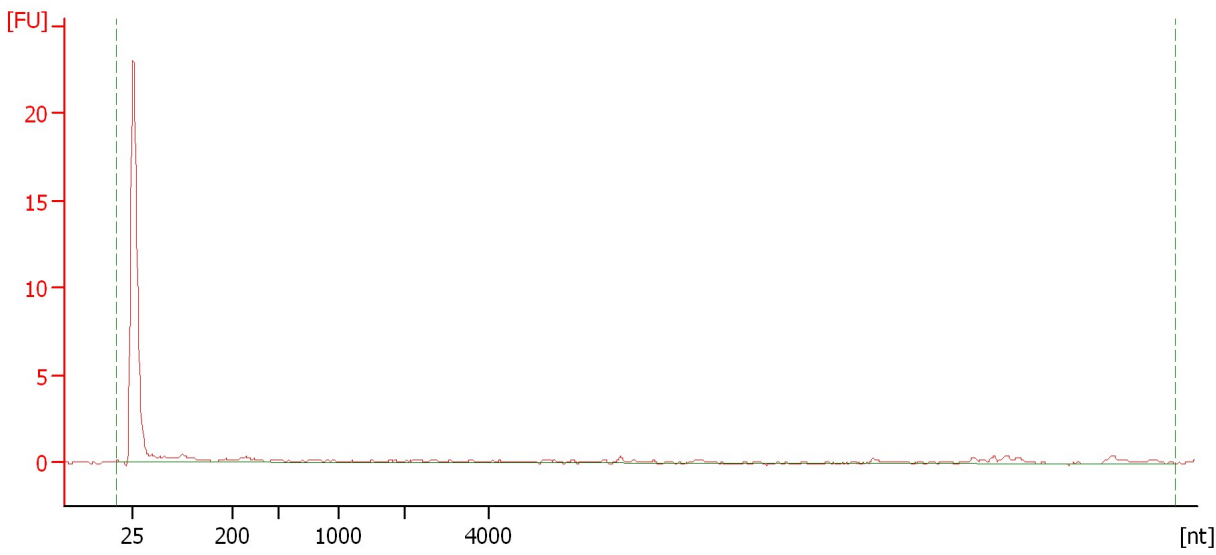
RNA Area:	2.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	12 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...

29. 44013 P4 [HiSeq1528]



Overall Results for sample 7 : 29. 44013 P4

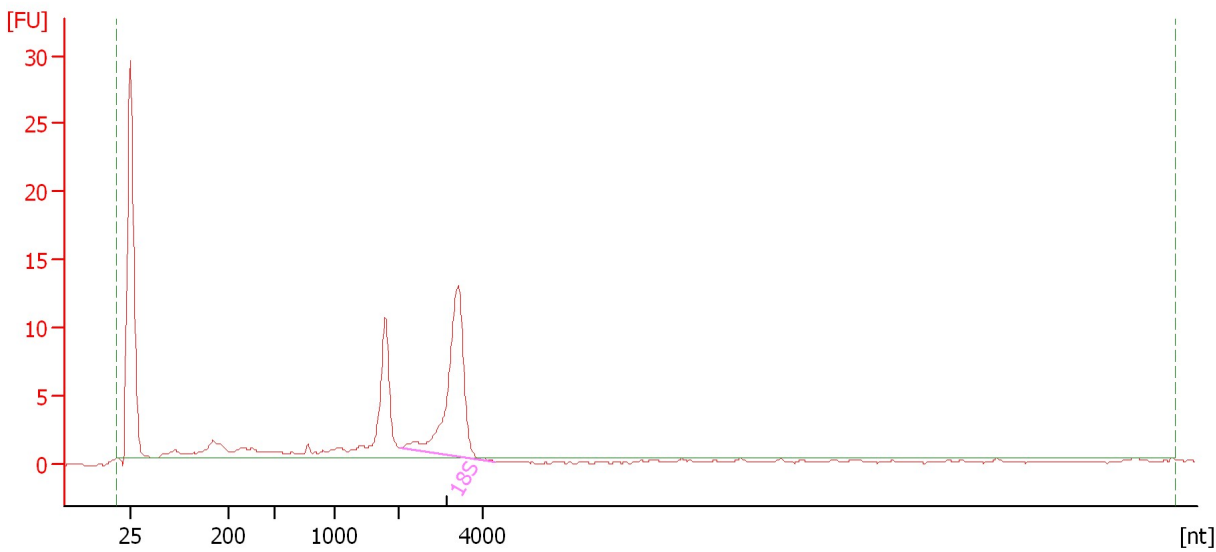
RNA Area:	8.2	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	42 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20_002.xad

Created: 9/20/2018 2:33:41 PM
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Electropherogram Summary Continued ...

30. 44096 P1 [HiSeq1528]



Overall Results for sample 8 : 30. 44096 P1

RNA Area:	73.5	RNA Integrity Number (RIN):	7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	372 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.50

Fragment table for sample 8 : 30. 44096 P1

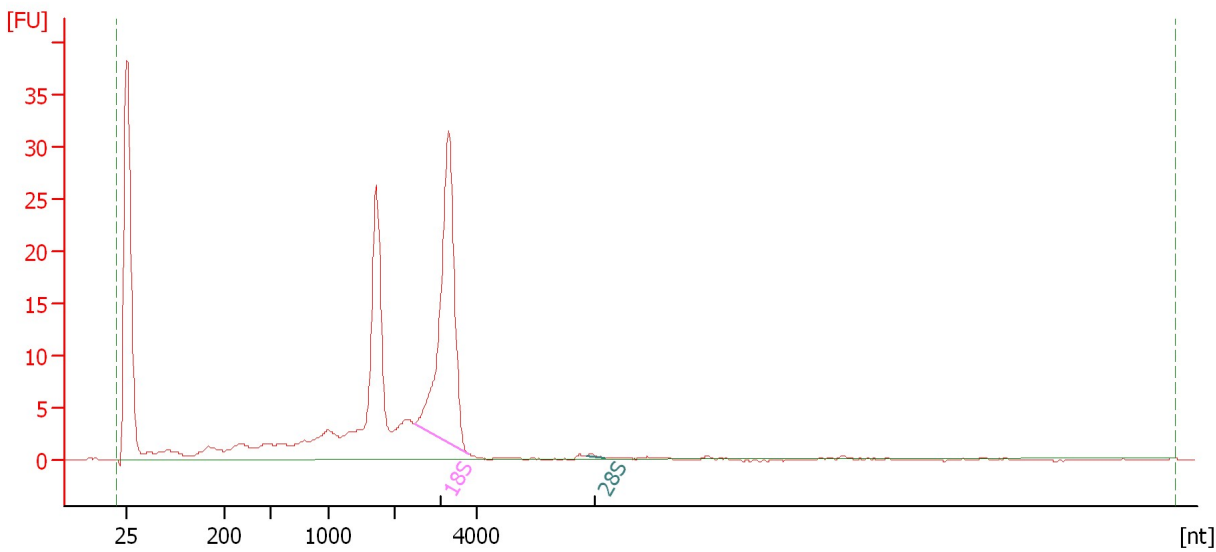
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,035	4,285	31.3	42.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20_002.xad

Created: 9/20/2018 2:33:41 PM
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Electropherogram Summary Continued ...

31. 44096 P2 [HiSeq1528]



Overall Results for sample 9 : 31. 44096 P2

RNA Area:	197.5	RNA Integrity Number (RIN):	6.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	998 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.90

Fragment table for sample 9 : 31. 44096 P2

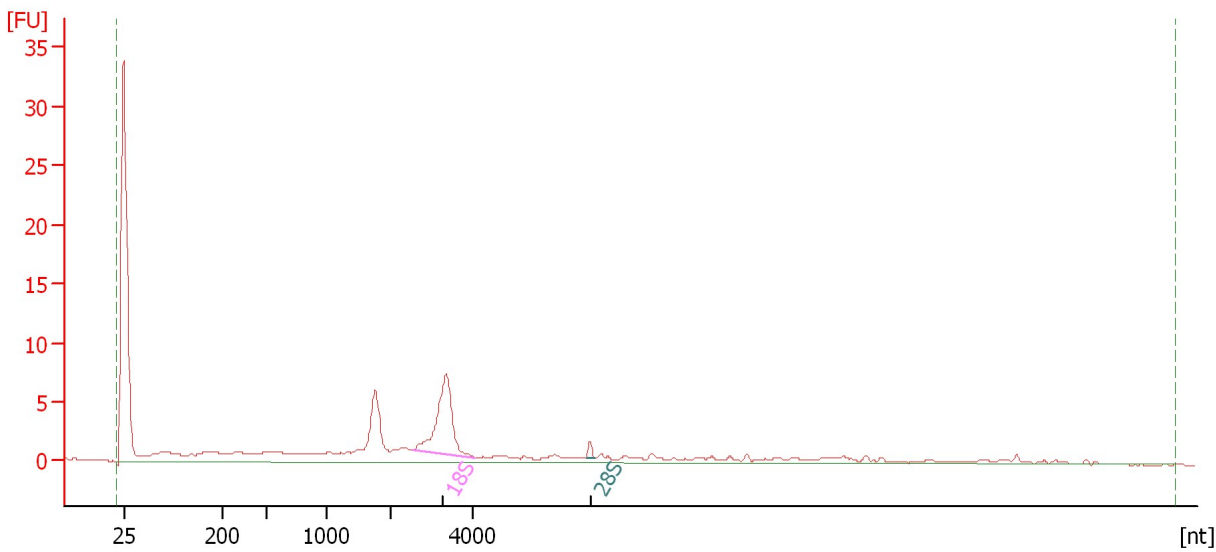
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,470	3,810	65.0	32.9
28S	6,619	7,083	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20_002.xad

Created: 9/20/2018 2:33:41 PM
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Electropherogram Summary Continued ...

32. 44096 P3 [HiSeq1528]



Overall Results for sample 10 : 32. 44096 P3

RNA Area:	91.4	RNA Integrity Number (RIN):	7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	462 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 7.70

Fragment table for sample 10 : 32. 44096 P3

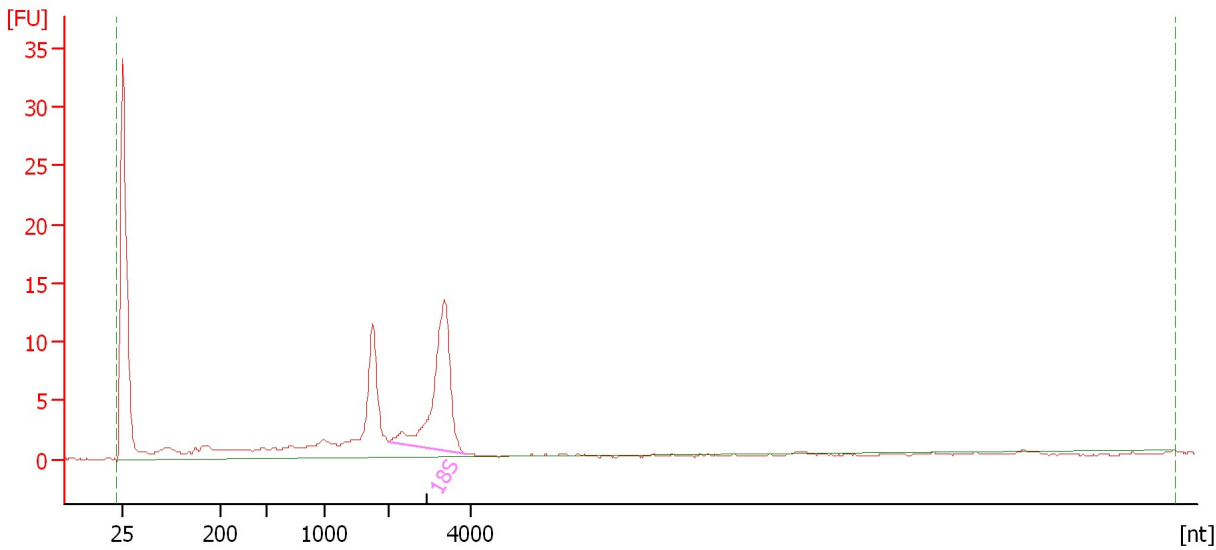
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,531	4,007	15.7	17.2
28S	6,726	6,934	0.8	0.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20_002.xad

Created: 9/20/2018 2:33:41 PM
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Electropherogram Summary Continued ...

33. 44096 P4 [HiSeq1528]



Overall Results for sample 11 : 33. 44096 P4

RNA Area:	100.2	RNA Integrity Number (RIN):	7.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	506 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.60

Fragment table for sample 11 : 33. 44096 P4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,003	3,899	33.4	33.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-20\2018-09-20_002.xad

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