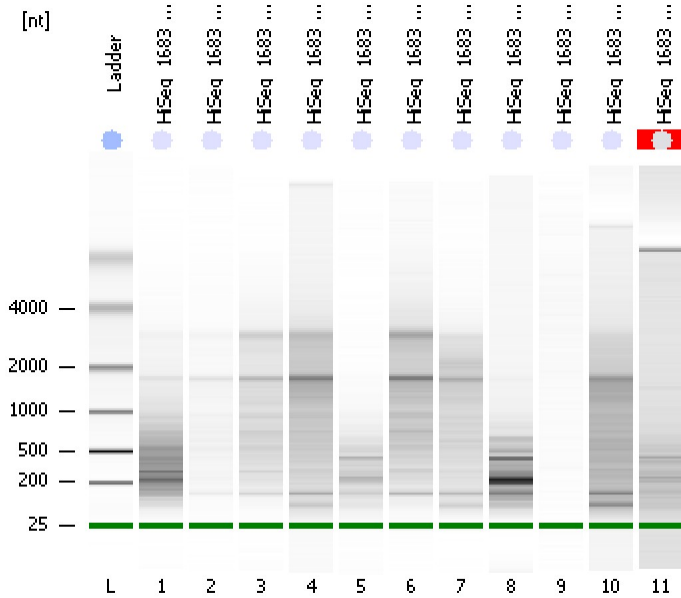


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electrophoresis File Run Summary



Instrument Information:

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

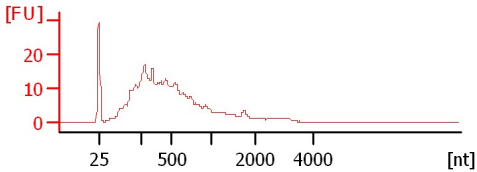
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

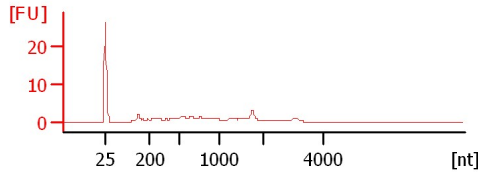
Chip Information:

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

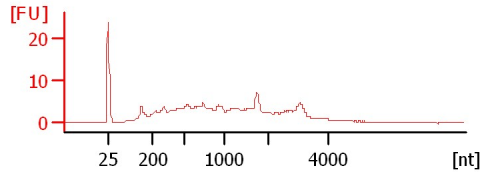
HiSeq_1683 -1 RNA with DNaseI Cleanup
MOD055413_S_I (1:10)
RIN: 2.50



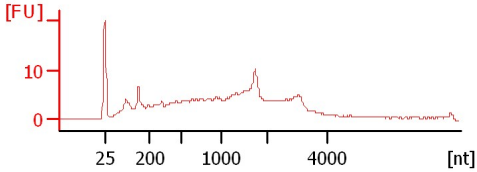
HiSeq_1683 -2 RNA with DNaseI Cleanup
MOD055408_N_I (1:8)
RIN: 5.60



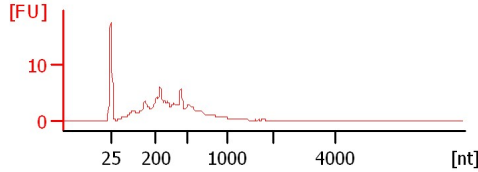
HiSeq_1683 -3 RNA with DNaseI Cleanup
MOD055401_G_I (1:10)
RIN: 4.80



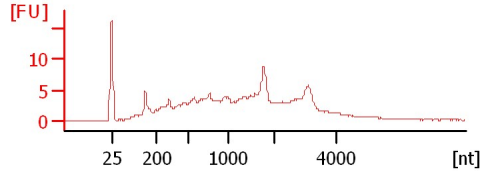
HiSeq_1683 -4 RNA with DNaseI Cleanup
MOD055402_H_I (1:10)
RIN: 4.50



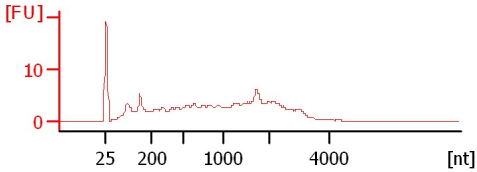
HiSeq_1683 -5 RNA with DNaseI Cleanup
MOD055414_T_I (1:4)
RIN: 2.30



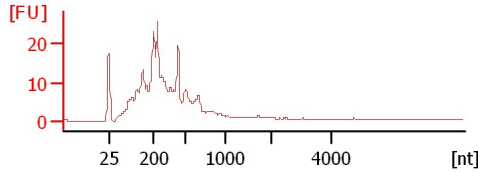
HiSeq_1683 -6 RNA with DNaseI Cleanup
MOD055415_U_I (1:10)
RIN: 5.10



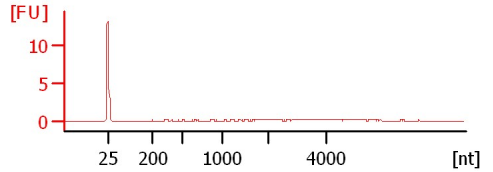
HiSeq_1683 -7 RNA with DNaseI Cleanup
MOD055302_L_I (1:40)
RIN: 3.20



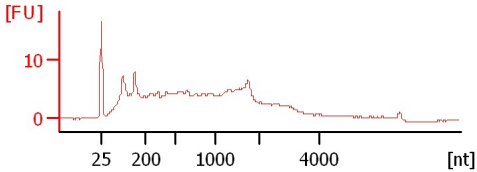
HiSeq_1683 -8 RNA with DNaseI Cleanup
MOD055342_Z_I (1:20_)
RIN: 2.20



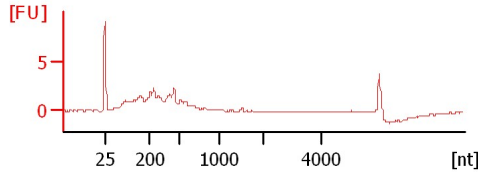
HiSeq_1683 -91 RNA with DNaseI Cleanup
MOD055310_T_I
RIN:1



HiSeq_1683 -10 RNA with DNaseI Cleanup
MOD055330_N_I (1:10)
RIN: 2.80















HiSeq_1683 -11 RNA with DNaseI Cleanup
MOD055367_Y_I
RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
 Modified: 2/22/2019 2:54:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HiSeq_1683 -1 RNA with DNaseI Cleanup	MOD055413_S_I (1:10)	✓	RIN: 2.50	
HiSeq_1683 -2 RNA with DNaseI Cleanup	MOD055408_N_I (1:8)	✓	RIN: 5.60	
HiSeq_1683 -3 RNA with DNaseI Cleanup	MOD055401_G_I (1:10)	✓	RIN: 4.80	
HiSeq_1683 -4 RNA with DNaseI Cleanup	MOD055402_H_I (1:10)	✓	RIN: 4.50	
HiSeq_1683 -5 RNA with DNaseI Cleanup	MOD055414_T_I (1:4)	✓	RIN: 2.30	
HiSeq_1683 -6 RNA with DNaseI Cleanup	MOD055415_U_I (1:10)	✓	RIN: 5.10	
HiSeq_1683 -7 RNA with DNaseI Cleanup	MOD055302_L_I (1:40)	✓	RIN: 3.20	
HiSeq_1683 -8 RNA with DNaseI Cleanup	MOD055342_Z_I (1:20)	✓	RIN: 2.20	
HiSeq_1683 -91 RNA with DNaseI Cleanup	MOD055310_T_I	✓	RIN:1	
HiSeq_1683 -10 RNA with DNaseI Cleanup	MOD055330_N_I (1:10)	✓	RIN: 2.80	
HiSeq_1683 -11 RNA with DNaseI Cleanup	MOD055367_Y_I	✓	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\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 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/ 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

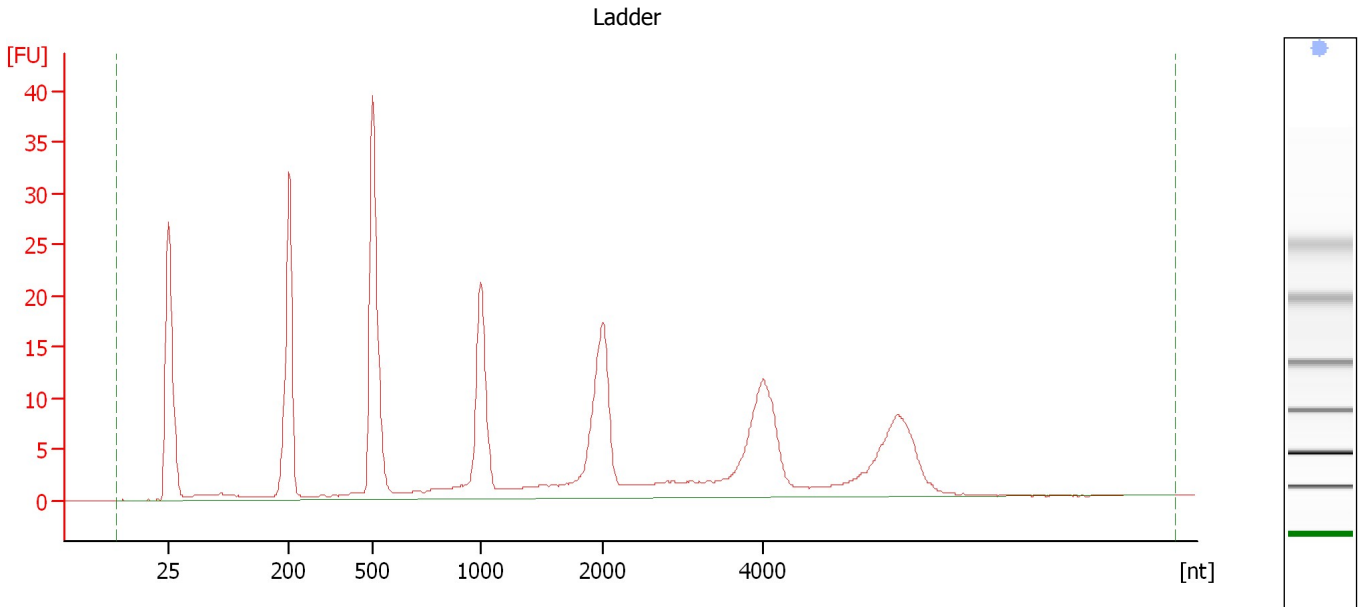
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary



Overall Results for Ladder

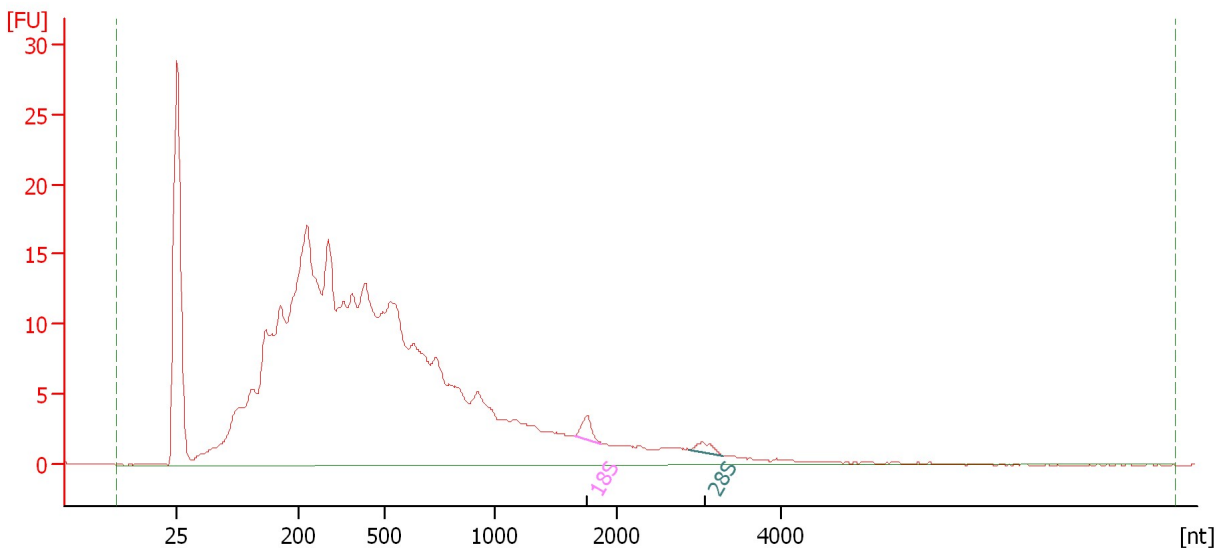
RNA Area:	284.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary Continued ...

HiSeq_1683 -1 RNA with DNaseI Cleanup [M0D055413_S_I (1:10)]



Overall Results for sample 1 : HiSeq_1683 -1 RNA with DNaseI Cleanup

RNA Area: 431.7 RNA Integrity Number (RIN): 2.5 (B.02.08)
RNA Concentration: 1,516 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 2.50

Fragment table for sample 1 : HiSeq_1683 -1 RNA with DNaseI Cleanup

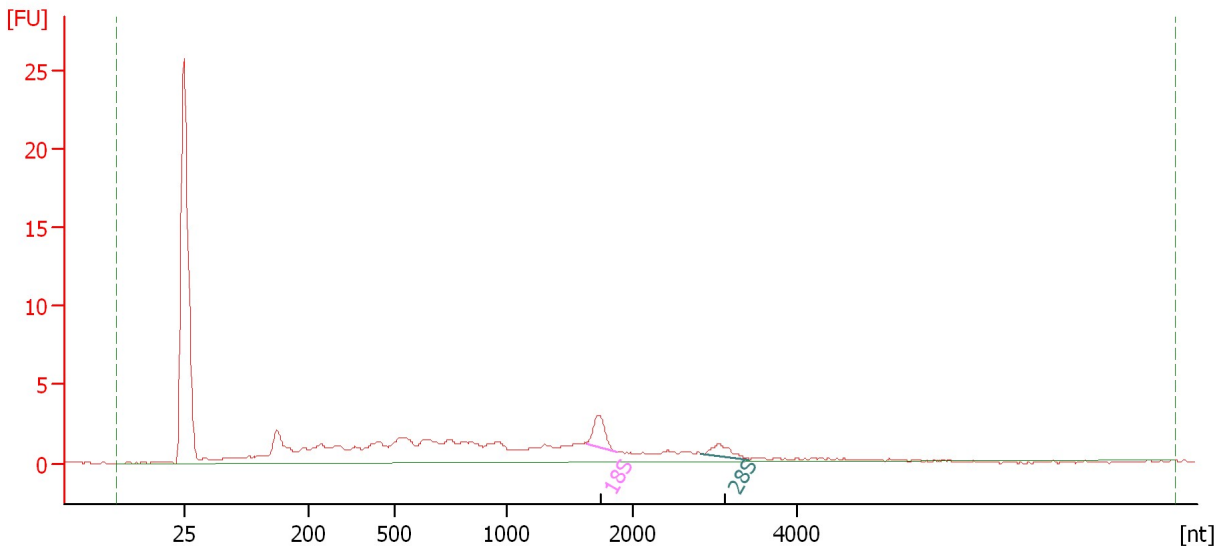
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,650	1,866	2.1	0.5
28S	2,886	3,293	1.4	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary Continued ...

HiSeq_1683 -2 RNA with DNaseI Cleanup [M0D055408_N_I (1:8)]



Overall Results for sample 2 : HiSeq_1683 -2 RNA with DNaseI Cleanup

RNA Area: 70.2 RNA Integrity Number (RIN): 5.6 (B.02.08)
RNA Concentration: 247 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 5.60

Fragment table for sample 2 : HiSeq_1683 -2 RNA with DNaseI Cleanup

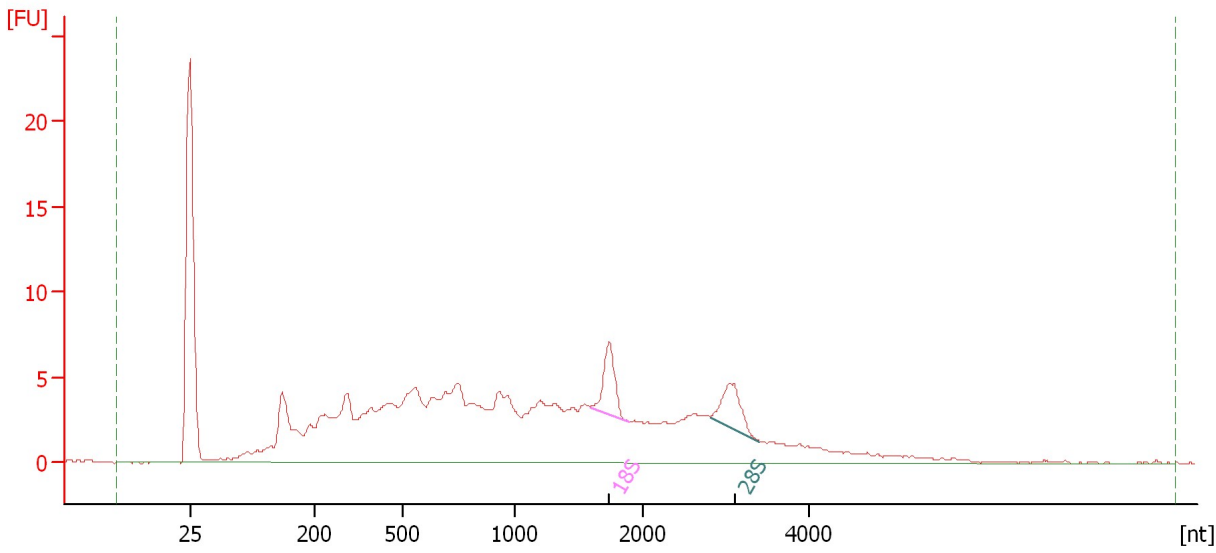
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,634	1,881	3.0	4.3
28S	2,827	3,422	1.5	2.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary Continued ...

HiSeq_1683 -3 RNA with DNaseI Cleanup [M0D055401_G_I (1:10)]



Overall Results for sample 3 : HiSeq_1683 -3 RNA with DNaseI Cleanup

RNA Area: 212.6 RNA Integrity Number (RIN): 4.8 (B.02.08)
RNA Concentration: 747 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 4.80

Fragment table for sample 3 : HiSeq_1683 -3 RNA with DNaseI Cleanup

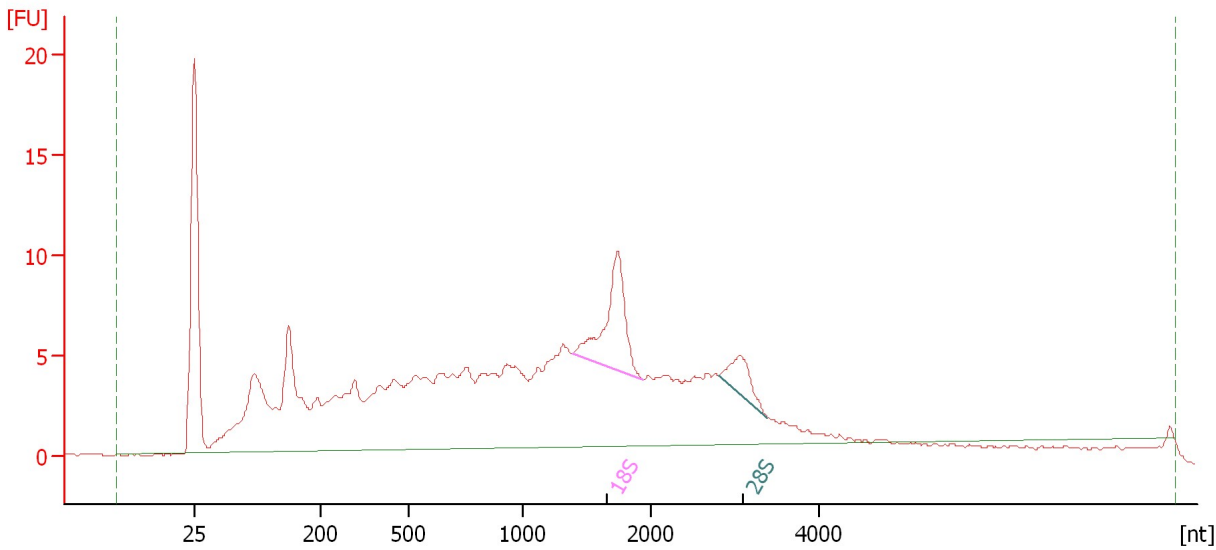
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,591	1,902	6.1	2.9
28S	2,810	3,398	5.4	2.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
 Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary Continued ...

HiSeq_1683 -4 RNA with DNaseI Cleanup [M0D055402_H_I (1:10)]



Overall Results for sample 4 : HiSeq_1683 -4 RNA with DNaseI Cleanup

RNA Area:	256.1	RNA Integrity Number (RIN):	4.5 (B.02.08)
RNA Concentration:	899 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 4.50

Fragment table for sample 4 : HiSeq_1683 -4 RNA with DNaseI Cleanup

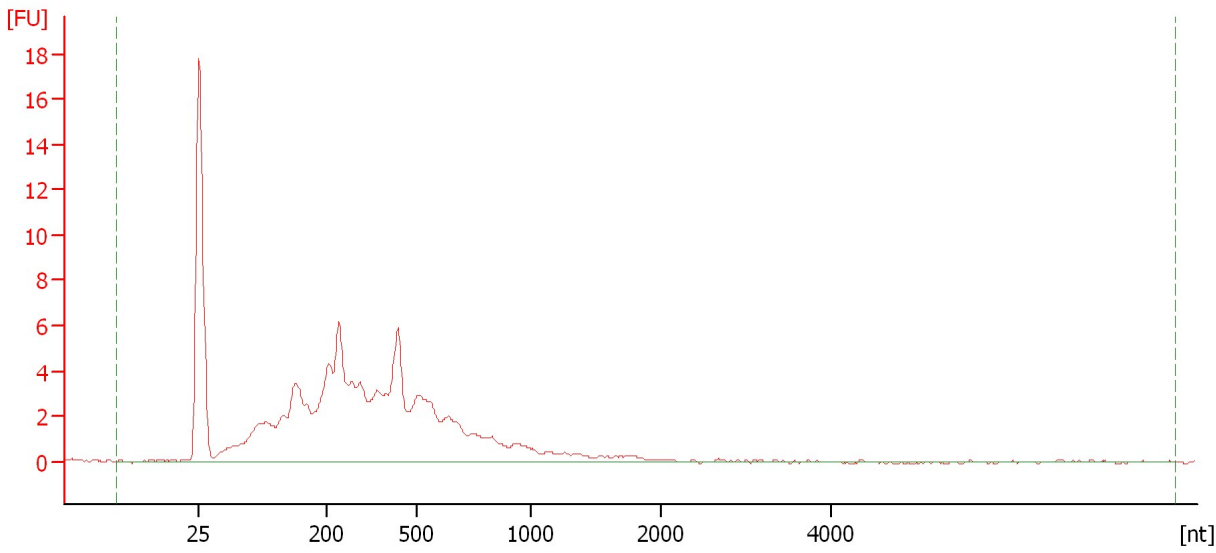
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,389	1,939	14.3	5.6
28S	2,807	3,390	4.3	1.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary Continued ...

HiSeq_1683 -5 RNA with DNaseI Cleanup [M0D055414_T_I (1:4)]



Overall Results for sample 5 : HiSeq_1683 -5 RNA with DNaseI Cleanup

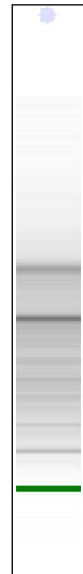
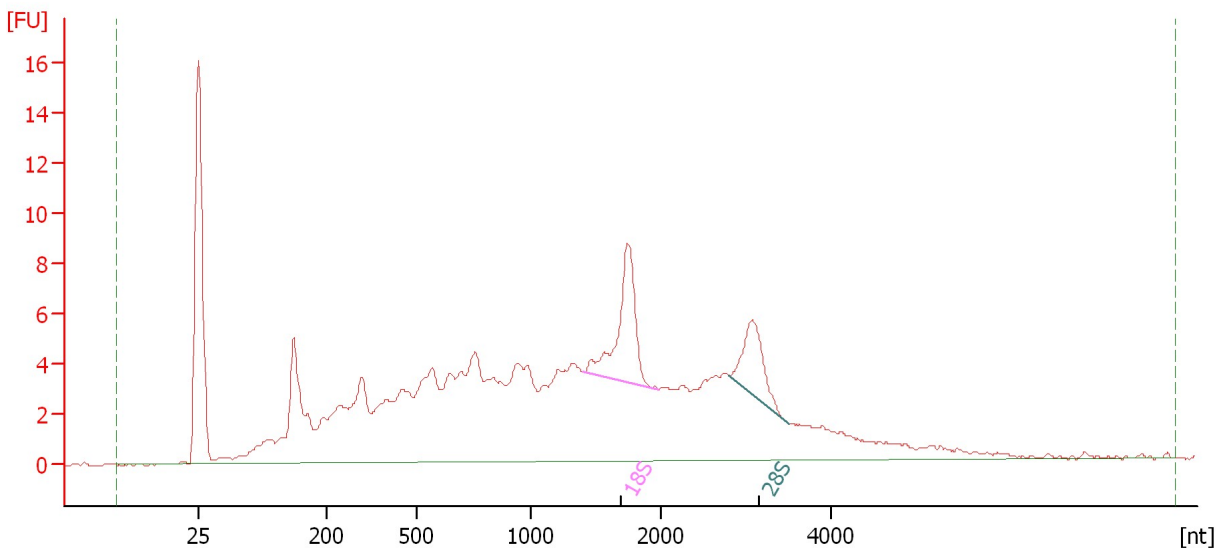
RNA Area:	106.8	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	375 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary Continued ...

HiSeq_1683 -6 RNA with DNaseI Cleanup [M0D055415_U_I (1:10)]



Overall Results for sample 6 : HiSeq_1683 -6 RNA with DNaseI Cleanup

RNA Area: 221.1 RNA Integrity Number (RIN): 5.1 (B.02.08)
RNA Concentration: 777 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 5.10

Fragment table for sample 6 : HiSeq_1683 -6 RNA with DNaseI Cleanup

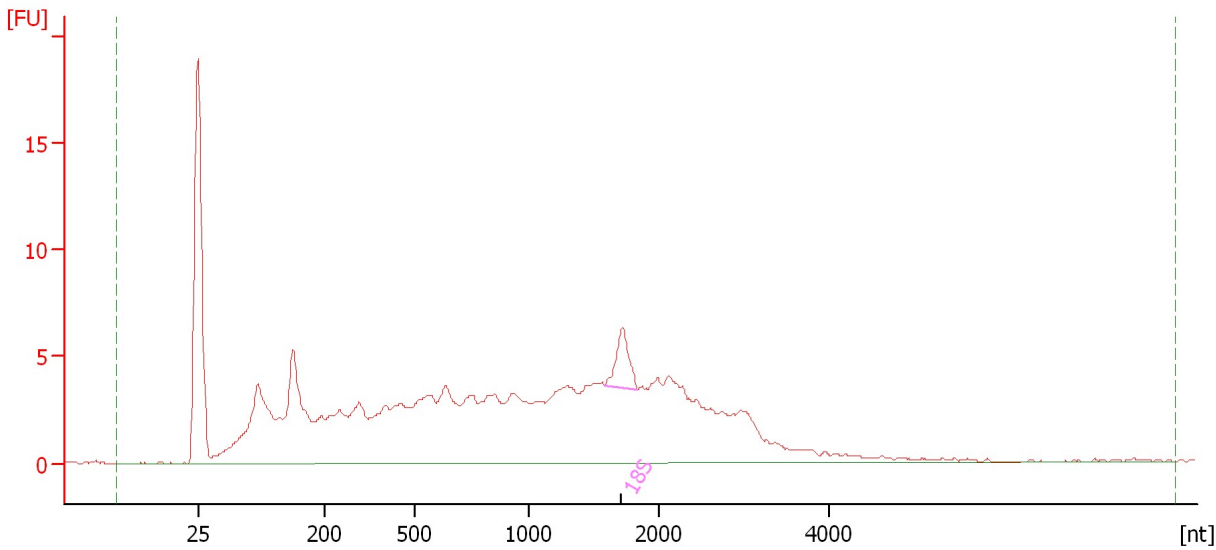
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,398	1,984	11.7	5.3
28S	2,790	3,492	6.8	3.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary Continued ...

HiSeq_1683 -7 RNA with DNaseI Cleanup [MOD055302_L_I (1:40)]



Overall Results for sample 7 : HiSeq_1683 -7 RNA with DNaseI Cleanup

RNA Area:	209.2	RNA Integrity Number (RIN):	3.2 (B.02.08)
RNA Concentration:	735 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.20

Fragment table for sample 7 : HiSeq_1683 -7 RNA with DNaseI Cleanup

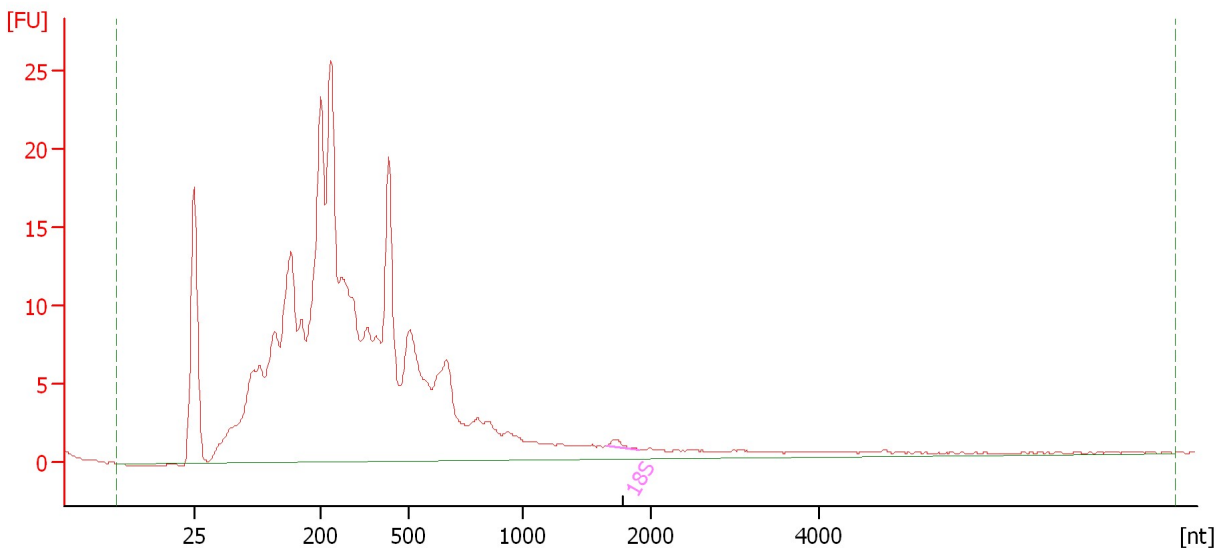
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,834	4.4	2.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary Continued ...

HiSeq_1683 -8 RNA with DNaseI Cleanup [M0D055342_Z_I (1:20_]



Overall Results for sample 8 : HiSeq_1683 -8 RNA with DNaseI Cleanup

RNA Area:	354.3	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,244 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Fragment table for sample 8 : HiSeq_1683 -8 RNA with DNaseI Cleanup

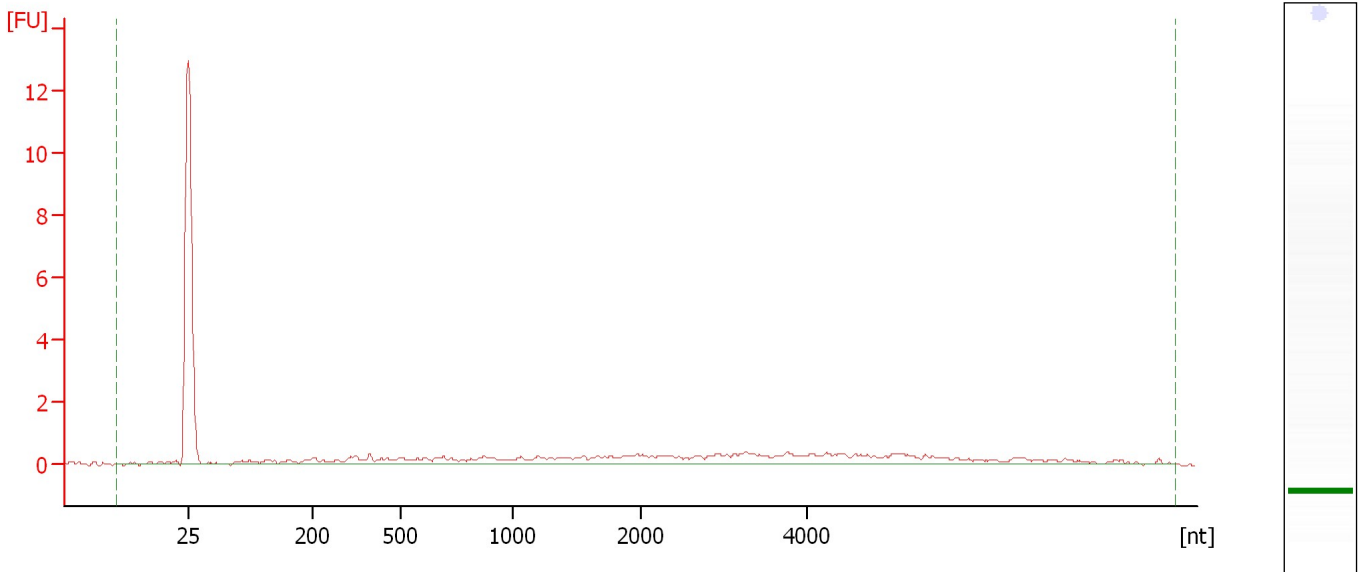
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,655	1,906	0.8	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary Continued ...

HiSeq_1683 -91 RNA with DNaseI Cleanup [M0D055310_T_I]



Overall Results for sample 9 : HiSeq_1683 -91 RNA with DNaseI Cleanup

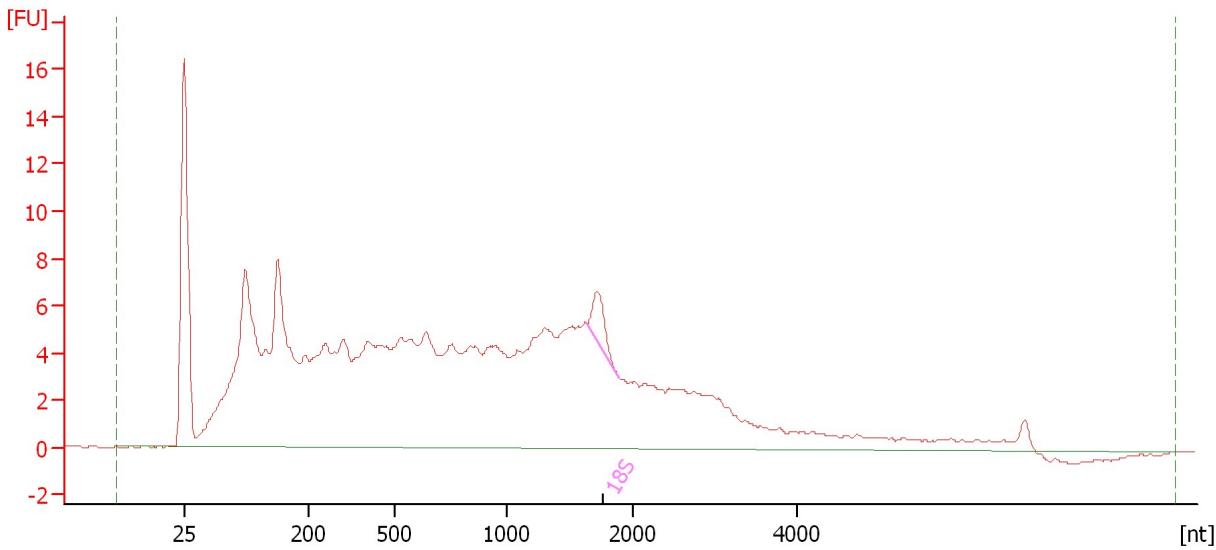
RNA Area:	18.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	65 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary Continued ...

HiSeq_1683 -10 RNA with DNaseI Cleanup [M0D055330_N_I (1:10)]



Overall Results for sample 10 : HiSeq_1683 -10 RNA with DNaseI Cleanup

RNA Area:	300.5	RNA Integrity Number (RIN):	2.8 (B.02.08)
RNA Concentration:	1,055 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.80

Fragment table for sample 10 : HiSeq_1683 -10 RNA with DNaseI Cleanup

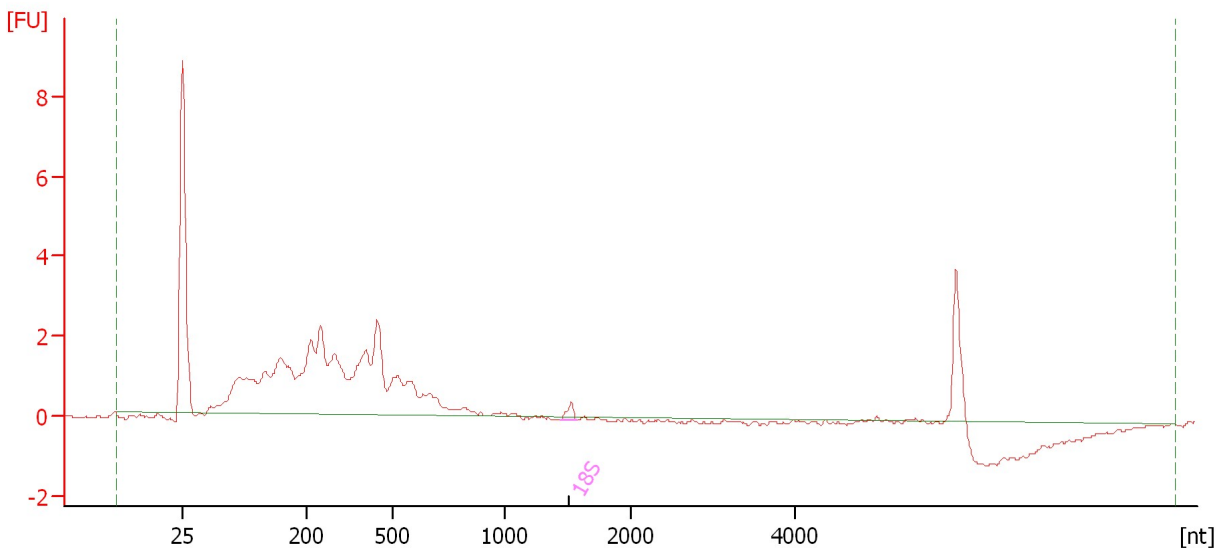
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,643	1,898	3.3	1.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Electropherogram Summary Continued ...

HiSeq_1683 -11 RNA with DNaseI Cleanup [M0D055367_Y_I]



Overall Results for sample 11 : HiSeq_1683 -11 RNA with DNaseI Cleanup

RNA Area:	40.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	144 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 11 : HiSeq_1683 -11 RNA with DNaseI Cleanup

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,454	1,573	0.4	0.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-02-22\2019-02-22_001.xad

Created: 2/22/2019 2:31:30 PM
Modified: 2/22/2019 2:54:39 PM

Gel Image

