

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\data\2017-07-11\2017-07-11_002_HiSeq1001_TotRNA_QC_1-9.xad

Created: 7/11/2017 11:24:34 AM
Modified: 7/11/2017 12:06:17 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 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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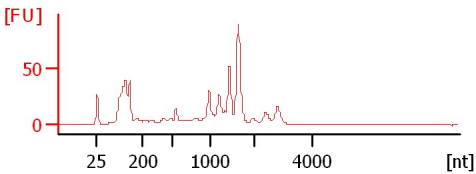
Chip Information:

Chip Lot #:

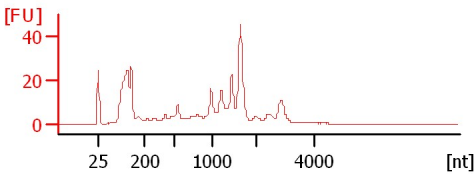
Reagent Kit Lot #:

Chip Comments:

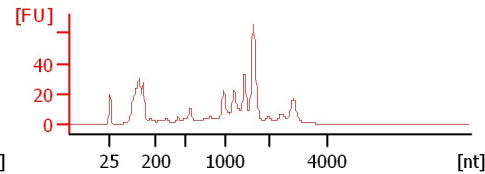
1. BOD-ve - 1
HiSeq_1001_resubmission_7-7-2017
RIN: 6.10



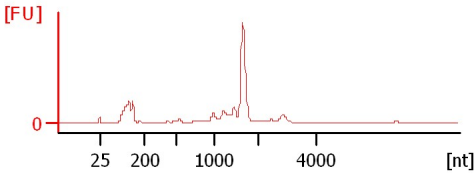
2. BOD-ve - 2
HiSeq_1001_resubmission_7-7-2017
RIN: 6.20



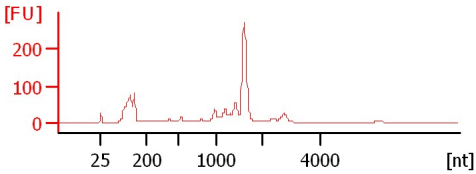
3. BOD-ve - 3
HiSeq_1001_resubmission_7-7-2017
RIN: 6.20



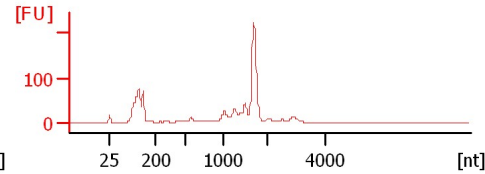
4. B2D-ve - 1
HiSeq_1001_resubmission_7-7-2017
RIN N/A



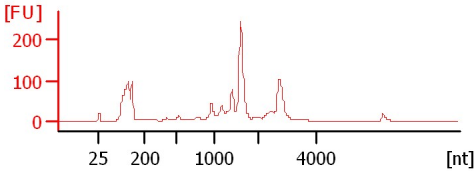
5. B2D-ve - 2
HiSeq_1001_resubmission_7-7-2017
RIN N/A



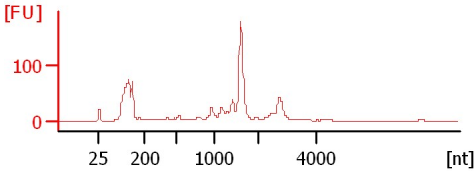
6. B2D-ve - 3
HiSeq_1001_resubmission_7-7-2017
RIN N/A



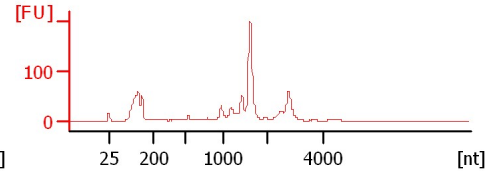
7. B2D 12F - 1
HiSeq_1001_resubmission_7-7-2017
RIN: 7



8. B2D 12F - 2
HiSeq_1001_resubmission_7-7-2017
RIN: 6.90













9. B2D 12F - 3
HiSeq_1001_resubmission_7-7-2017
RIN N/A



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1. BOD-ve - 1	HiSeq_1001_resubmissio n_7-7-2017	✓	RIN: 6.10	
2. BOD-ve - 2	HiSeq_1001_resubmissio n_7-7-2017	✓	RIN: 6.20	
3. BOD-ve - 3	HiSeq_1001_resubmissio n_7-7-2017	✓	RIN: 6.20	
4. B2D-ve -1	HiSeq_1001_resubmissio n_7-7-2017	✓	RIN N/A	
5. B2D-ve -2	HiSeq_1001_resubmissio n_7-7-2017	✓	RIN N/A	
6. B2D-ve -3	HiSeq_1001_resubmissio n_7-7-2017	✓	RIN N/A	
7. B2D 12F - 1	HiSeq_1001_resubmissio n_7-7-2017	✓	RIN:7	
8. B2D 12F - 2	HiSeq_1001_resubmissio n_7-7-2017	✓	RIN: 6.90	
9. B2D 12F - 3	HiSeq_1001_resubmissio n_7-7-2017	✓	RIN N/A	
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

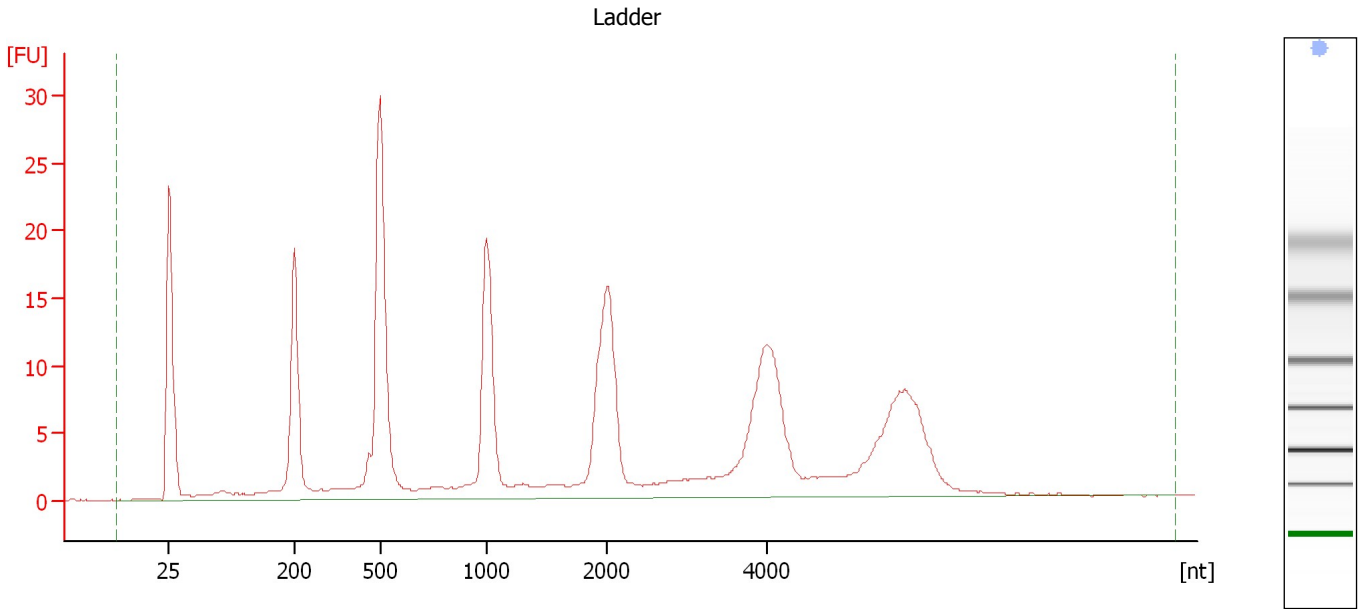
Ladder

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

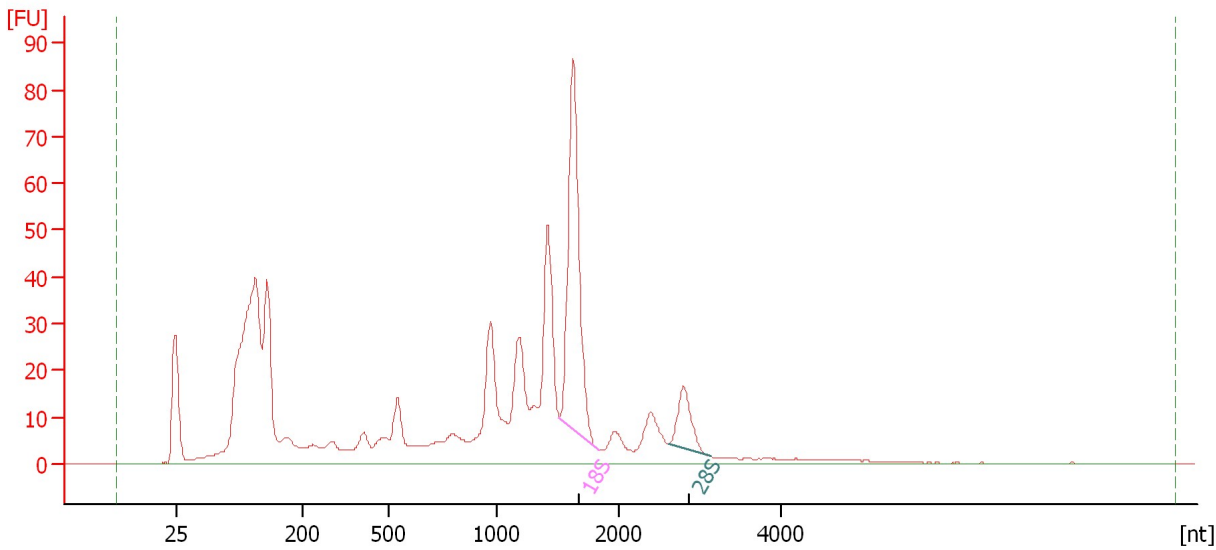
RNA Area:	273.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...

1. BOD-ve - 1 [HiSeq_1001_resubmission_7-7-2017]



Overall Results for sample 1 : 1. BOD-ve - 1

RNA Area:	803.4	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	2,940 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 6.10

Fragment table for sample 1 : 1. BOD-ve - 1

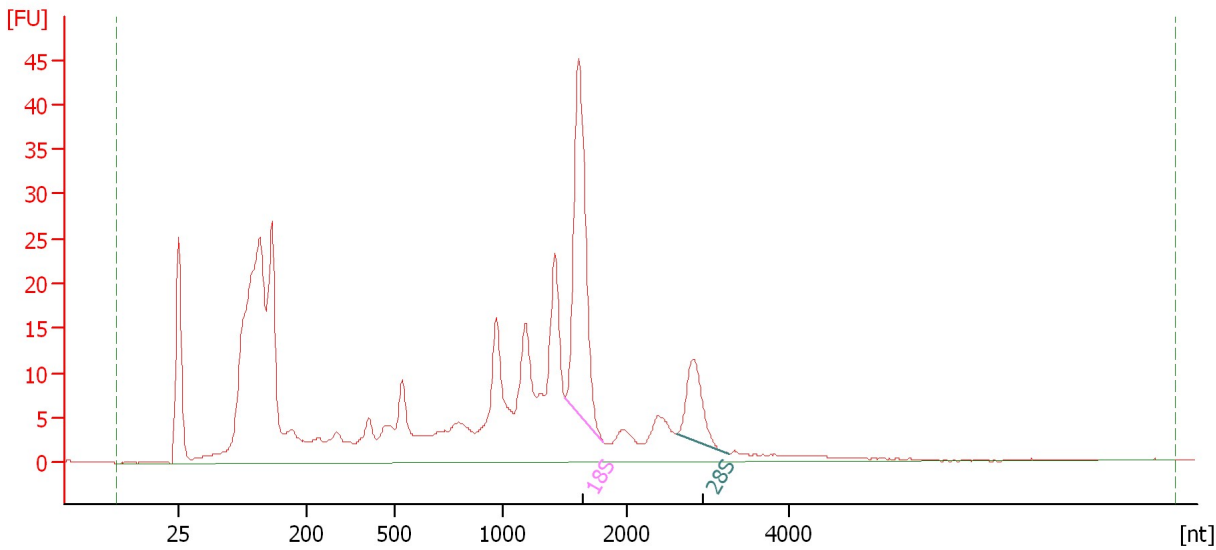
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,505	1,828	113.6	14.1
28S	2,601	3,117	20.7	2.6

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Electropherogram Summary Continued ...

2. BOD-ve - 2 [HiSeq_1001_resubmission_7-7-2017]



Overall Results for sample 2 : 2. BOD-ve - 2

RNA Area:	498.5	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	1,824 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.20

Fragment table for sample 2 : 2. BOD-ve - 2

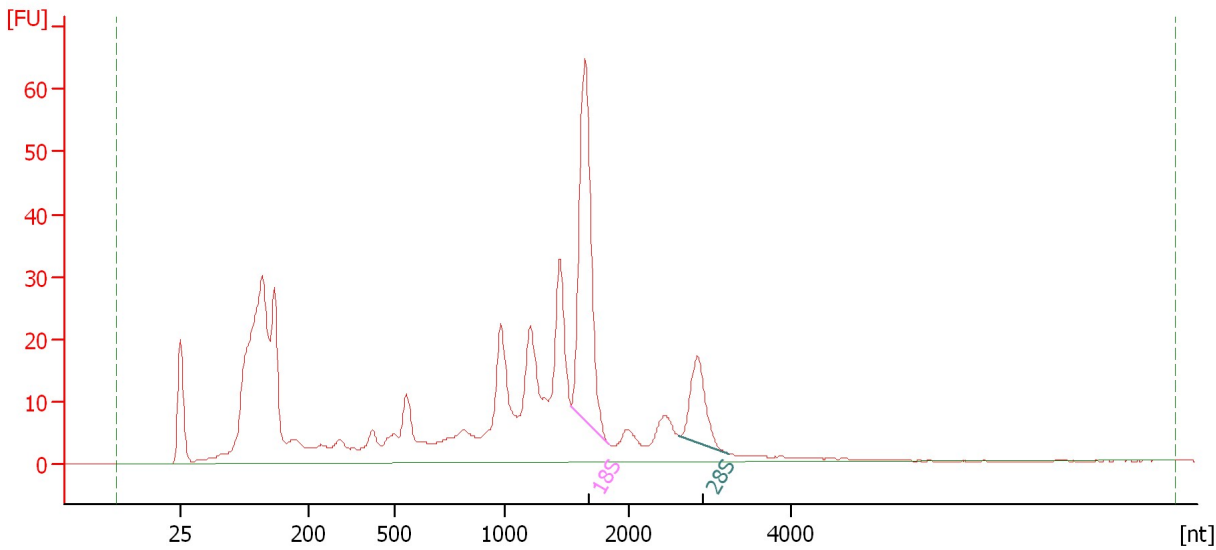
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,510	1,814	60.8	12.2
28S	2,626	3,257	16.3	3.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2017-07-11\2017-07-11_002_HiSeq1001_TotRNA_QC_1-9.xad

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Electropherogram Summary Continued ...

3. BOD-ve - 3 [HiSeq_1001_resubmission_7-7-2017]



Overall Results for sample 3 : 3. BOD-ve - 3

RNA Area:	620.7	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	2,271 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 6.20

Fragment table for sample 3 : 3. BOD-ve - 3

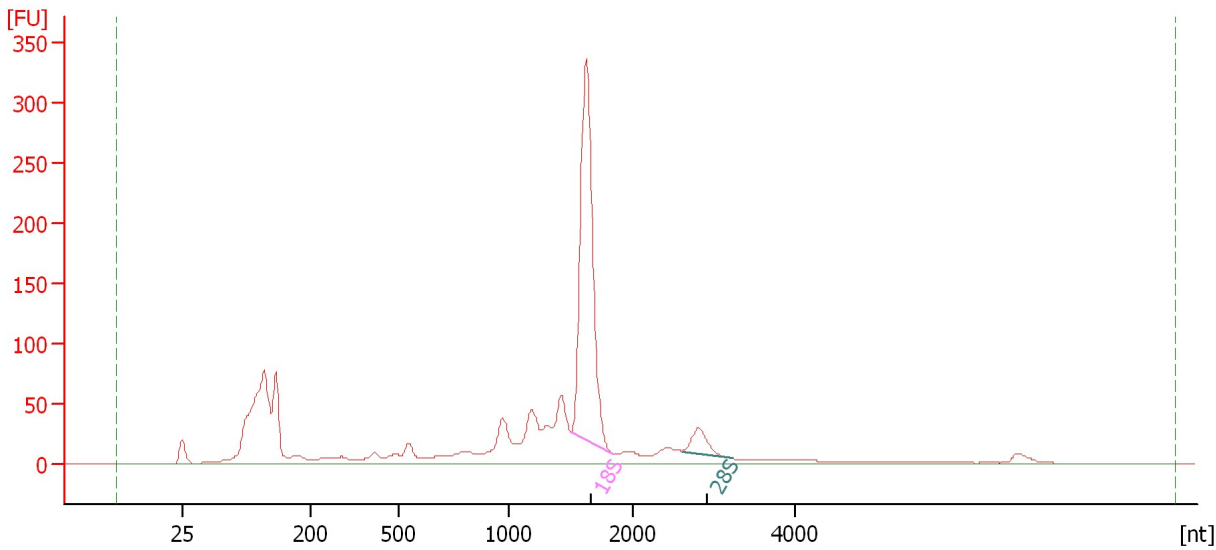
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,538	1,841	87.5	14.1
28S	2,625	3,229	23.8	3.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2017-07-11\2017-07-11_002_HiSeq1001_TotRNA_QC_1-9.xad

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Electropherogram Summary Continued ...

4. B2D-ve -1 [HiSeq_1001_resubmission_7-7-2017]



Overall Results for sample 4 : 4. B2D-ve -1

RNA Area:	1,713.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6,270 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN N/A

Fragment table for sample 4 : 4. B2D-ve -1

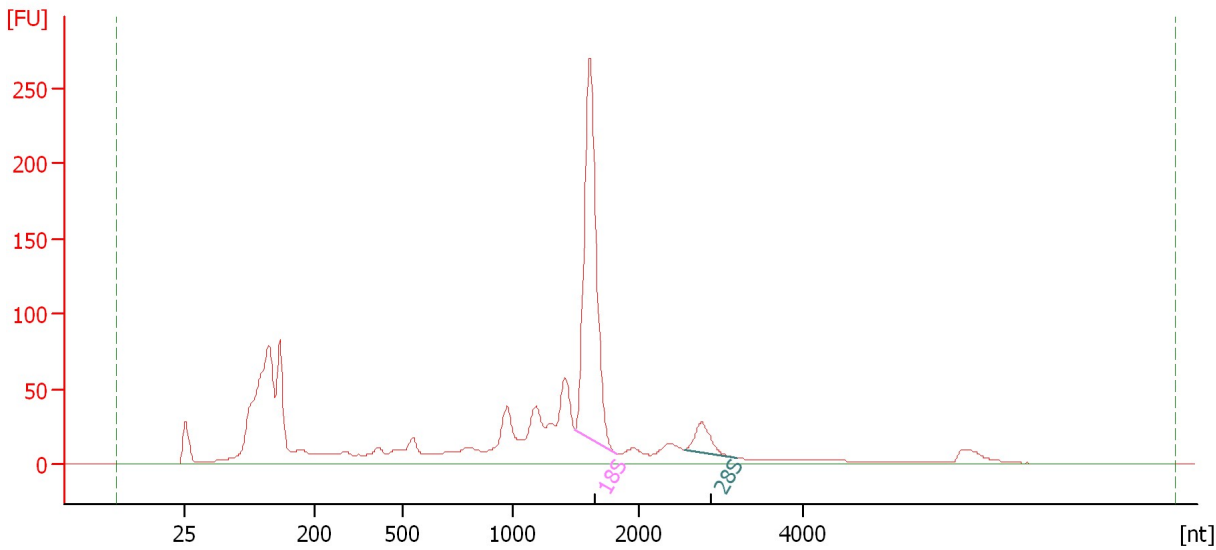
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,507	1,851	504.7	29.5
28S	2,611	3,238	38.2	2.2

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Electropherogram Summary Continued ...

5. B2D-ve -2 [HiSeq_1001_resubmission_7-7-2017]



Overall Results for sample 5 : 5. B2D-ve -2

RNA Area:	1,609.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5,890 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : 5. B2D-ve -2

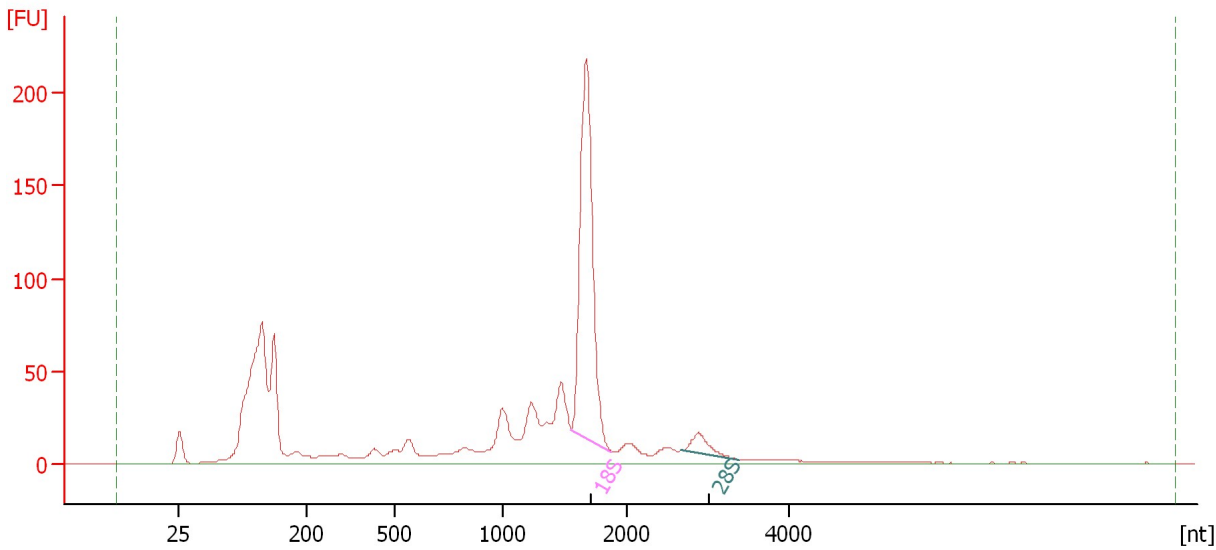
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,495	1,820	396.3	24.6
28S	2,557	3,206	35.8	2.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2017-07-11\2017-07-11_002_HiSeq1001_TotRNA_QC_1-9.xad

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Electropherogram Summary Continued ...

6. B2D-ve -3 [HiSeq_1001_resubmission_7-7-2017]



Overall Results for sample 6 : 6. B2D-ve -3

RNA Area:	1,305.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4,775 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN N/A

Fragment table for sample 6 : 6. B2D-ve -3

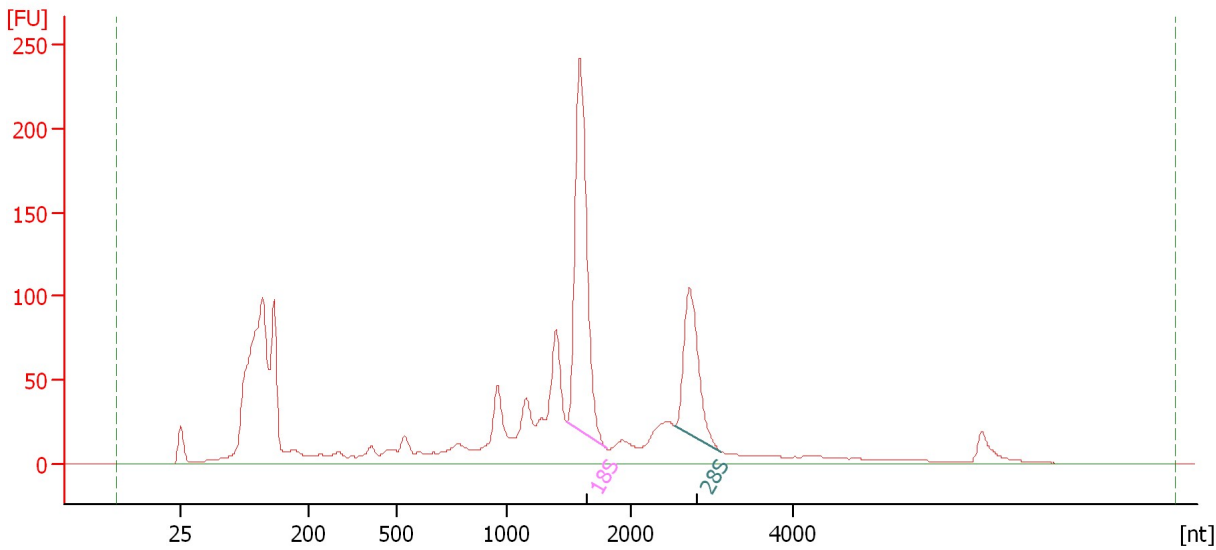
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,554	1,883	327.8	25.1
28S	2,665	3,388	22.0	1.7

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

7. B2D 12F - 1 [HiSeq_1001_resubmission_7-7-2017]



Overall Results for sample 7 : 7. B2D 12F - 1

RNA Area:	1,908.2	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	6,982 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN:7

Fragment table for sample 7 : 7. B2D 12F - 1

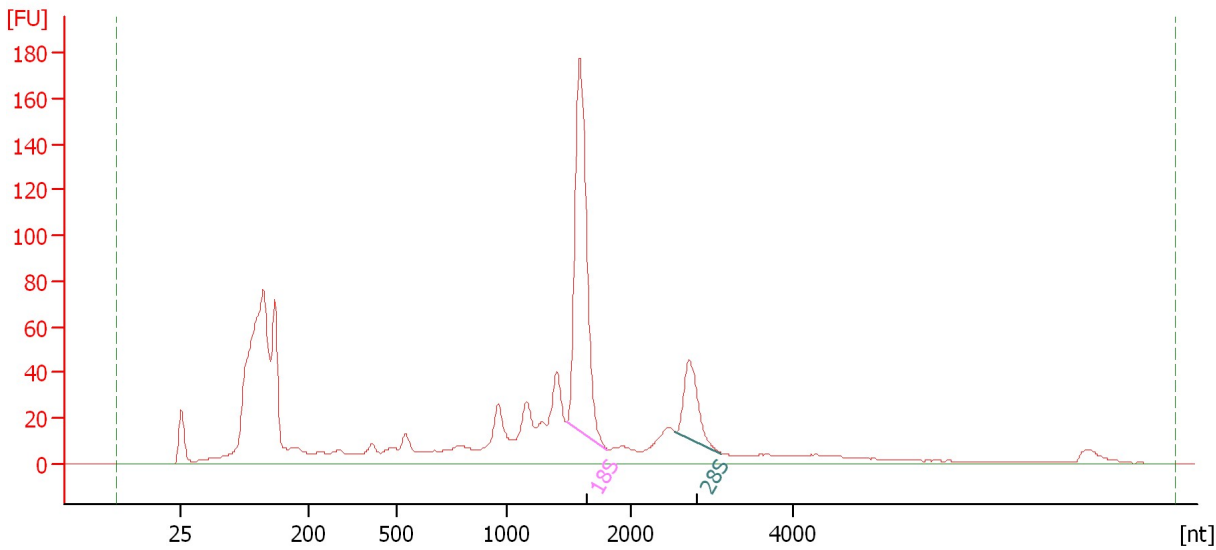
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,488	1,807	340.0	17.8
28S	2,546	3,122	148.4	7.8

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

8. B2D 12F - 2 [HiSeq_1001_resubmission_7-7-2017]



Overall Results for sample 8 : 8. B2D 12F - 2

RNA Area:	1,316.1	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	4,816 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 6.90

Fragment table for sample 8 : 8. B2D 12F - 2

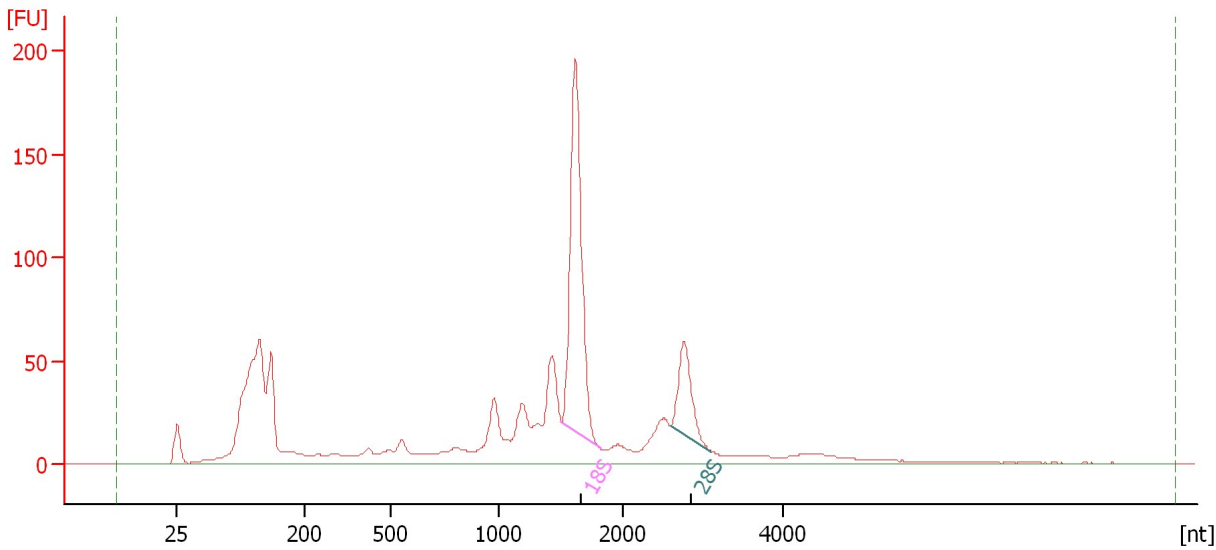
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,488	1,816	248.8	18.9
28S	2,559	3,122	54.6	4.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...\data\2017-07-11\2017-07-11_002_HiSeq1001_TotRNA_QC_1-9.xad

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Electropherogram Summary Continued ...

9. B2D 12F - 3 [HiSeq_1001_resubmission_7-7-2017]



Overall Results for sample 9 : 9. B2D 12F - 3

RNA Area:	1,312.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4,804 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN N/A

Fragment table for sample 9 : 9. B2D 12F - 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,507	1,821	270.0	20.6
28S	2,600	3,102	67.8	5.2

Assay Class: Eukaryote Total RNA Pico
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Created: 7/11/2017 11:24:34 AM
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Gel Image

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Curves

Standard Curve

