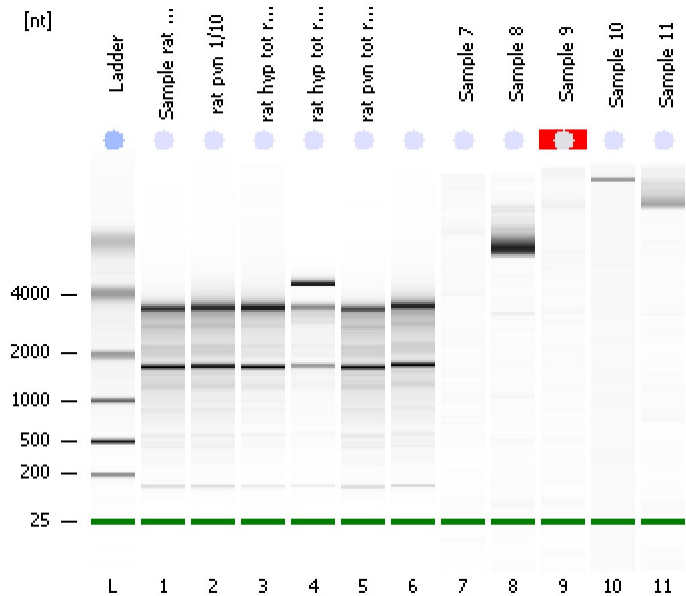


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electrophoresis File Run Summary



Instrument Information:

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

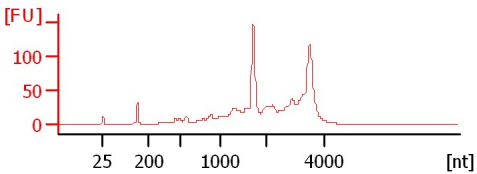
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

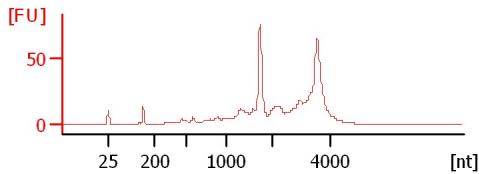
Chip Information:

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

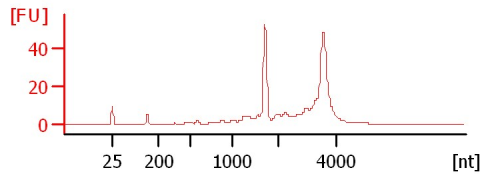
Sample rat pvn 1/5
RIN: 7.30



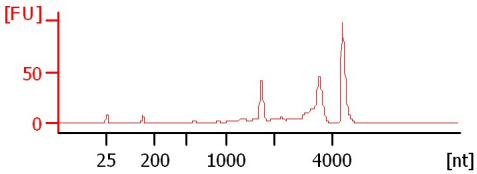
rat pvn 1/10
RIN: 7.70



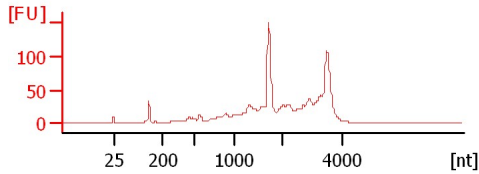
rat hyp tot rna 1/100 s1
RIN: 8.70



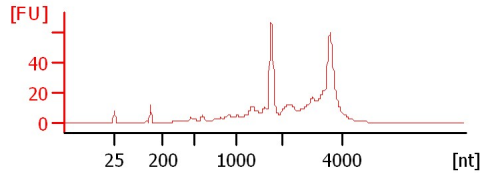
rat hyp tot rna 1/100 s2
RIN: 8.20



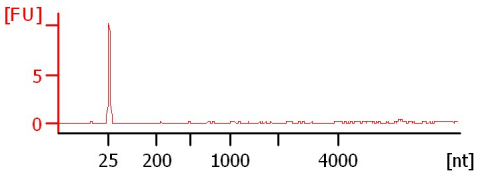
rat pvn tot rna 1/5
RIN: 7.10



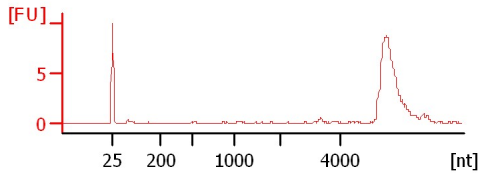
Sample 7
RIN: 7.70



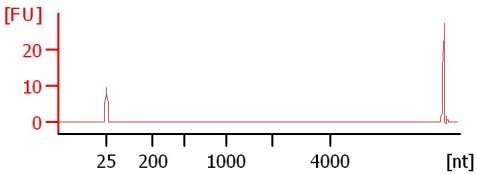
Sample 8
RIN: 1



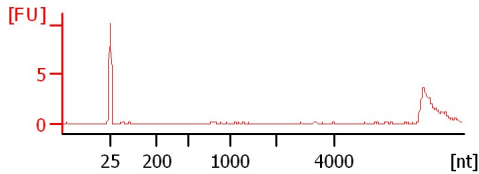
Sample 9
RIN N/A



Sample 10
RIN: 1



Sample 11
RIN: 1



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
 Modified: 5/21/2015 11:25:36 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample rat pvn 1/5		✓	RIN: 7.30	
rat pvn 1/10		✓	RIN: 7.70	
rat hyp tot rna 1/100 s1		✓	RIN: 8.70	
rat hyp tot rna 1/100 s2		✓	RIN: 8.20	
rat pvn tot rna 1/5		✓	RIN: 7.10	
		✓	RIN: 7.70	
Sample 7		✓	RIN:1	
Sample 8		✓	RIN:1	
Sample 9		✓	RIN N/A	
Sample 10		✓	RIN:1	
Sample 11		✓	RIN:1	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 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/ 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

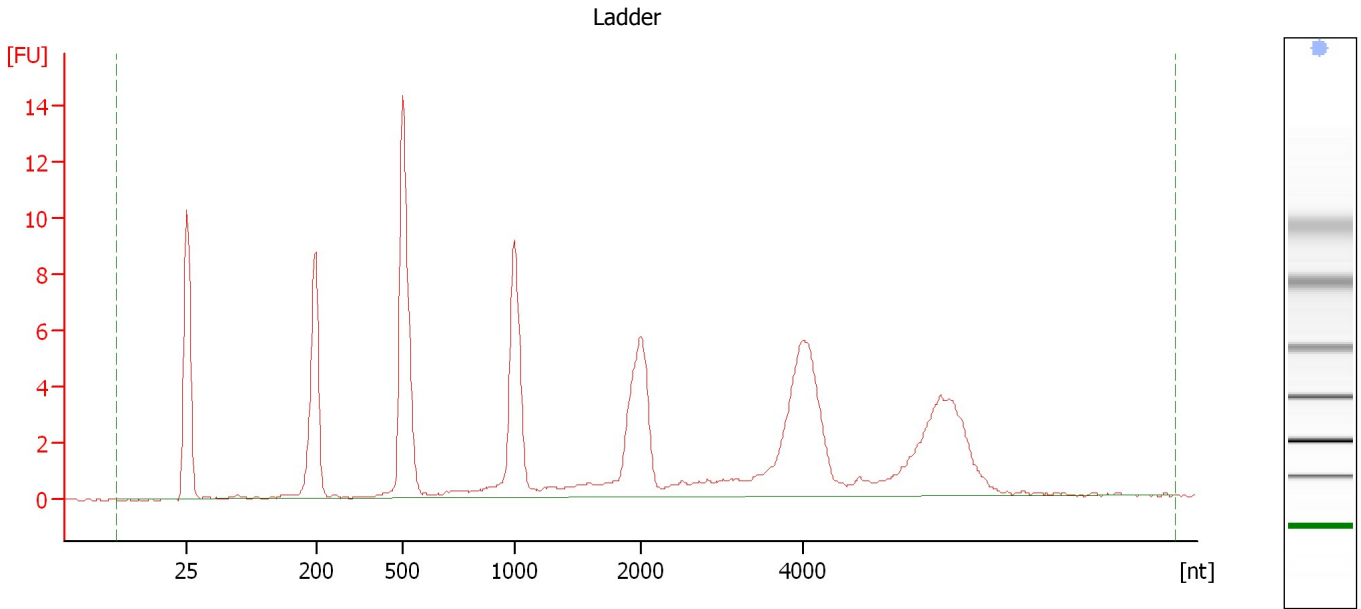
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary



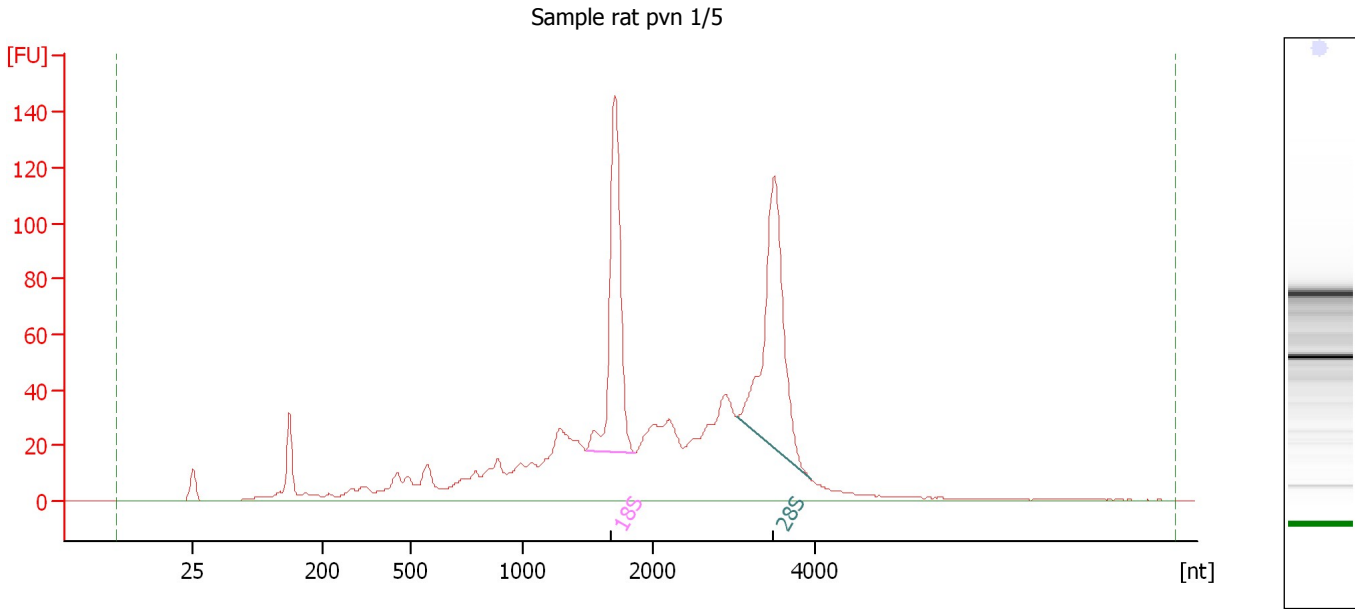
Overall Results for Ladder

RNA Area:	113.0	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample rat pvn 1/5

RNA Area: 1,270.3 RNA Integrity Number (RIN): 7.3 (B.02.08)
RNA Concentration: 11,245 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 7.30

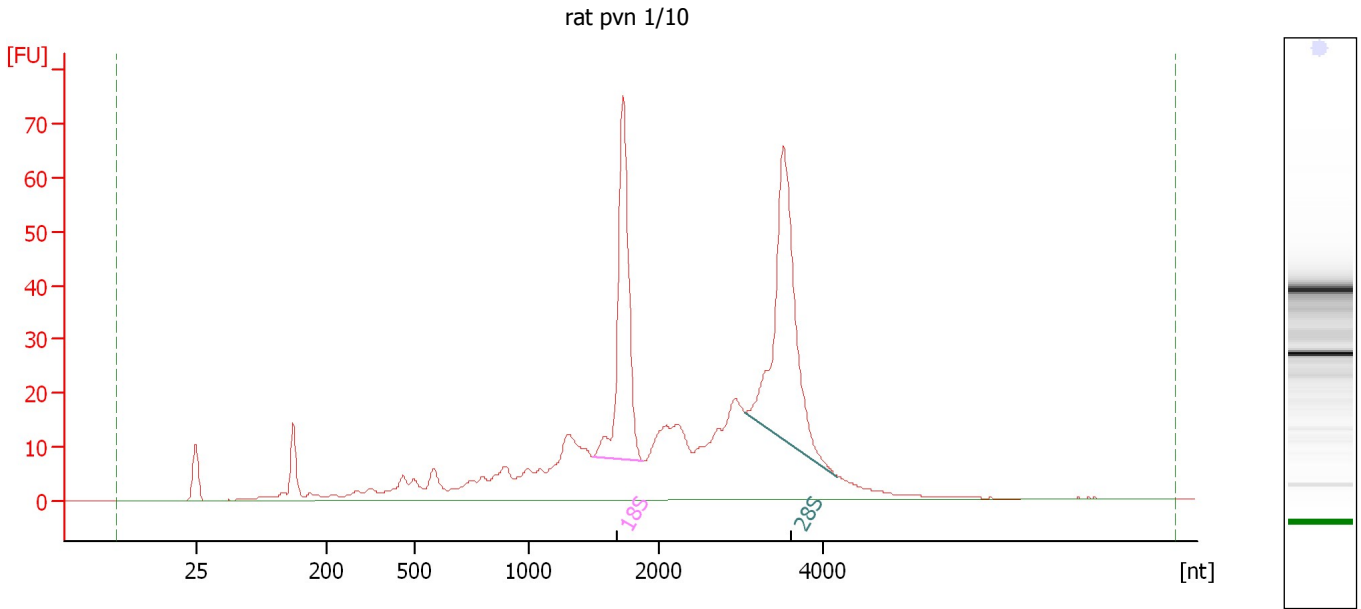
Fragment table for sample 1 : Sample rat pvn 1/5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,487	1,861	170.8	13.4
28S	3,039	3,943	202.3	15.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : rat pvn 1/10

RNA Area: 645.8 RNA Integrity Number (RIN): 7.7 (B.02.08)
RNA Concentration: 5,717 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 7.70

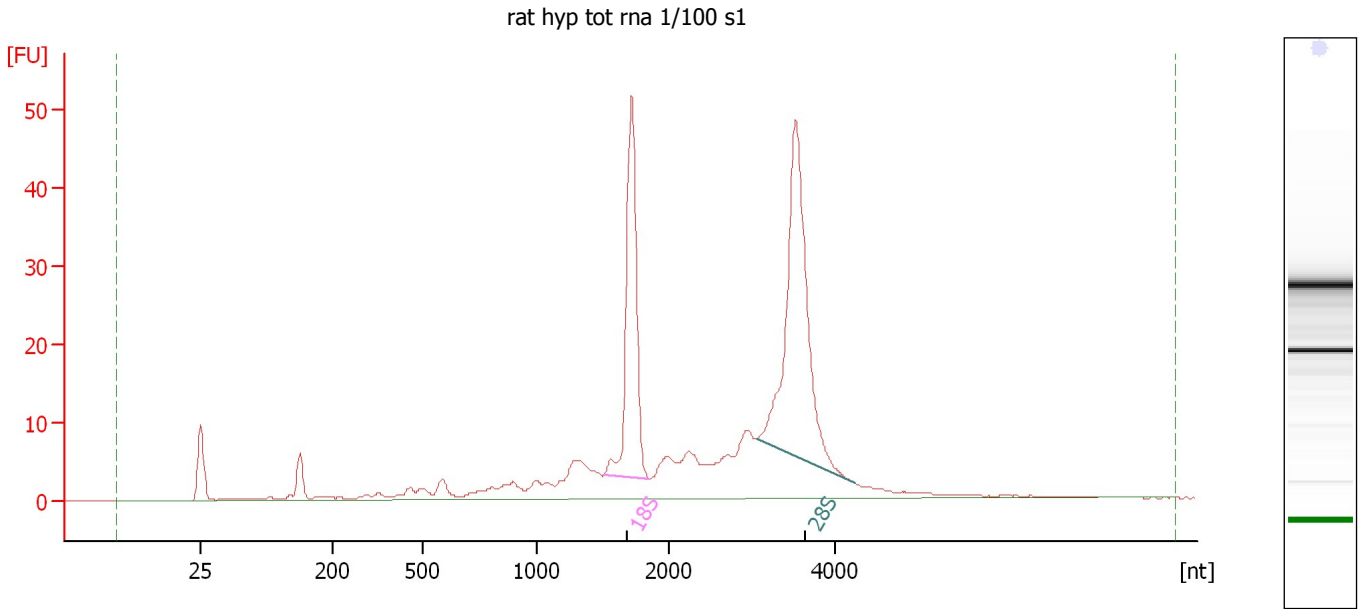
Fragment table for sample 2 : rat pvn 1/10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,500	1,888	91.2	14.1
28S	3,061	4,180	117.0	18.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : rat hyp tot rna 1/100 s1

RNA Area: 343.5 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 3,041 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.70

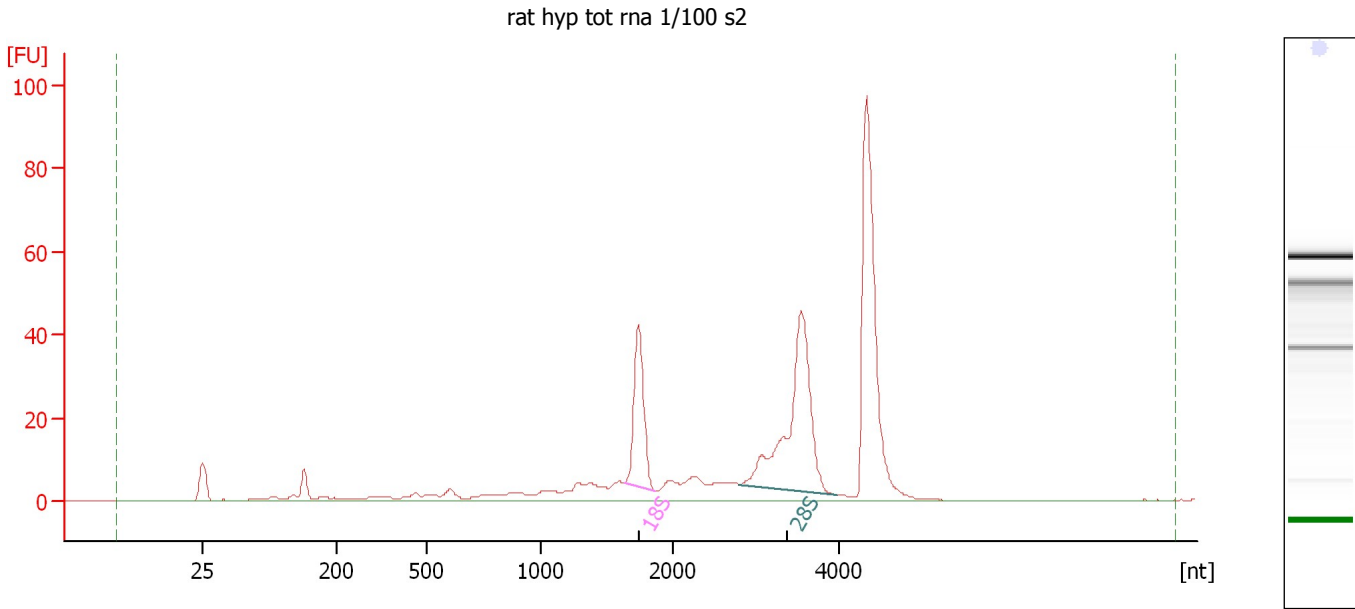
Fragment table for sample 3 : rat hyp tot rna 1/100 s1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,508	1,843	60.4	17.6
28S	3,054	4,239	93.6	27.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : rat hyp tot rna 1/100 s2

RNA Area: 414.1 RNA Integrity Number (RIN): 8.2 (B.02.08)
RNA Concentration: 3,666 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 8.20

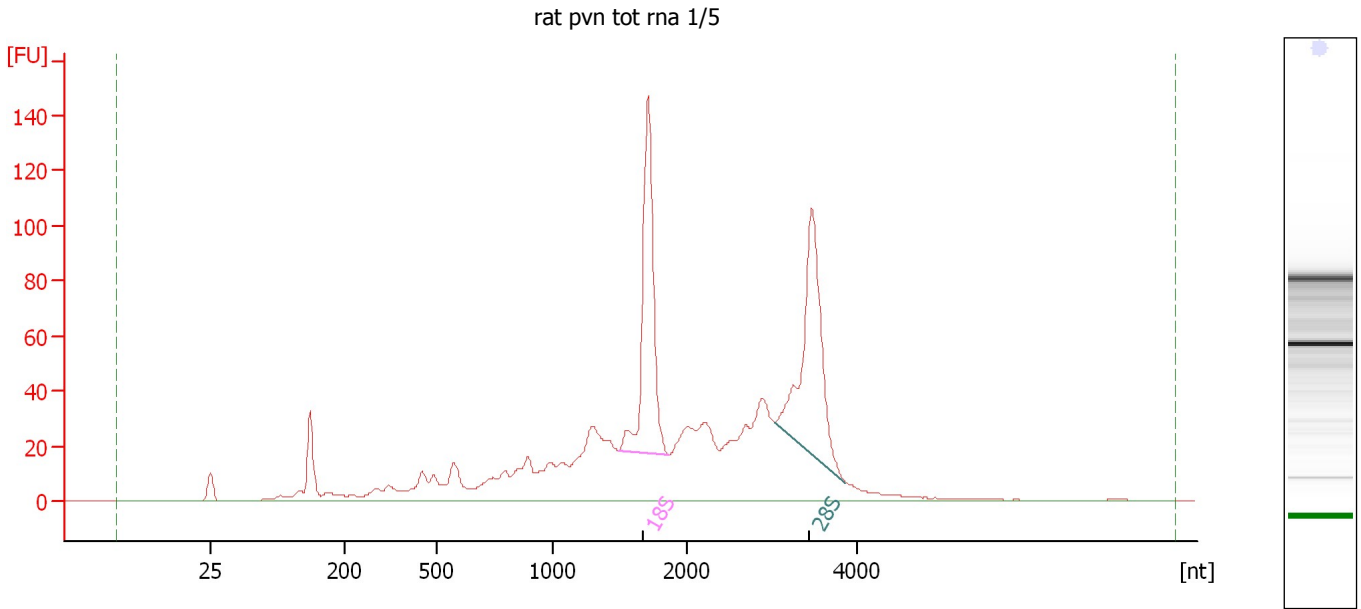
Fragment table for sample 4 : rat hyp tot rna 1/100 s2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,634	1,869	47.3	11.4
28S	2,808	3,962	101.6	24.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : rat pvn tot rna 1/5

RNA Area: 1,218.5 RNA Integrity Number (RIN): 7.1 (B.02.08)
RNA Concentration: 10,786 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 7.10

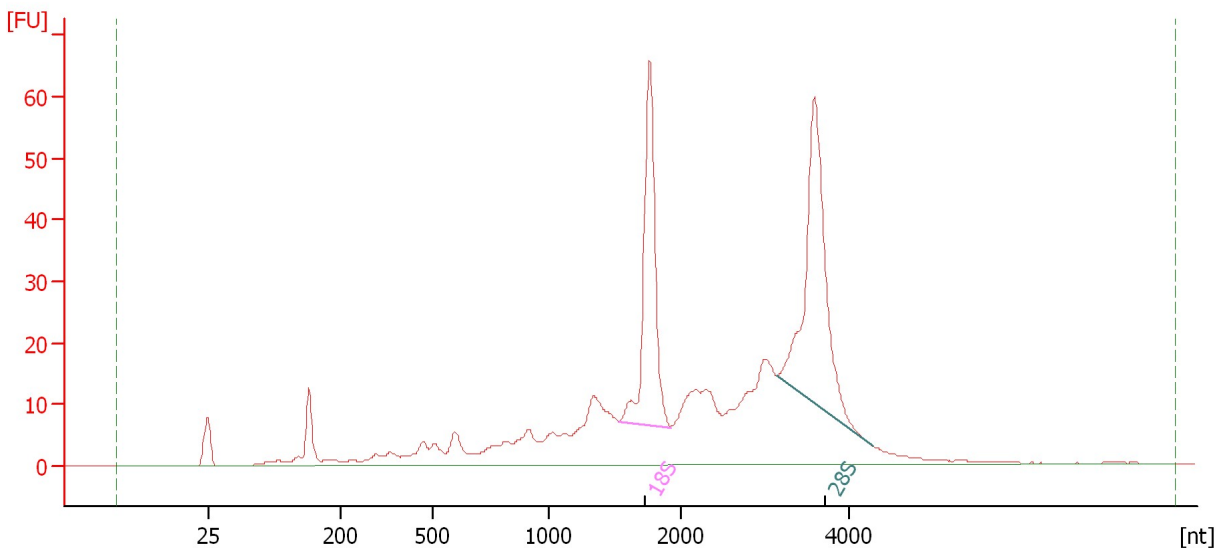
Fragment table for sample 5 : rat pvn tot rna 1/5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,482	1,859	167.9	13.8
28S	3,042	3,876	170.2	14.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
 Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 :

RNA Area:	574.3	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	5,083 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.70

Fragment table for sample 6 :

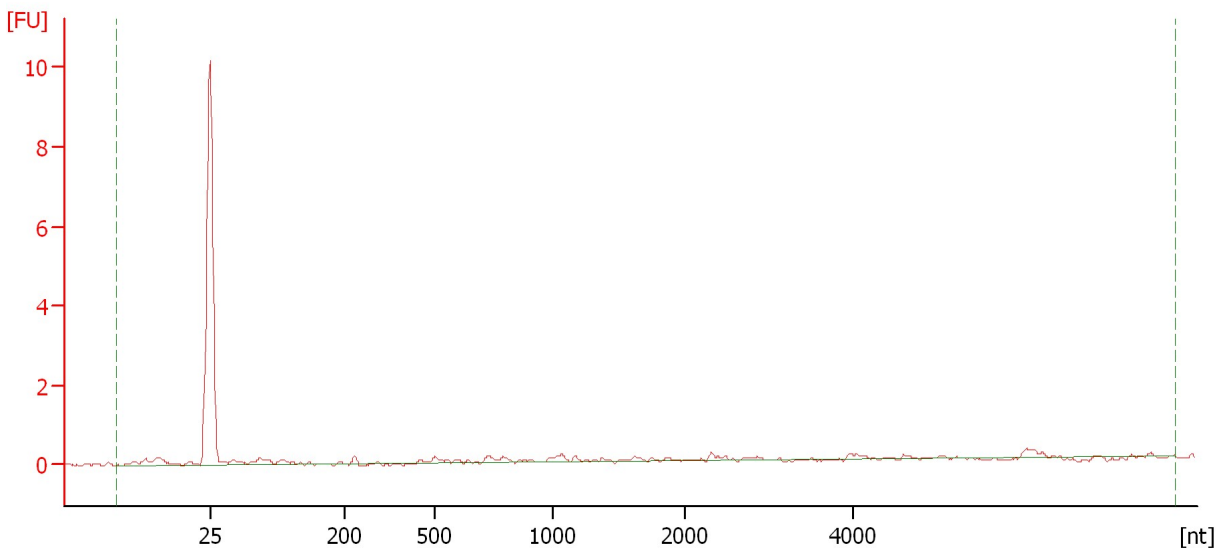
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,526	1,921	80.6	14.0
28S	3,148	4,279	102.0	17.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 7 : Sample 7

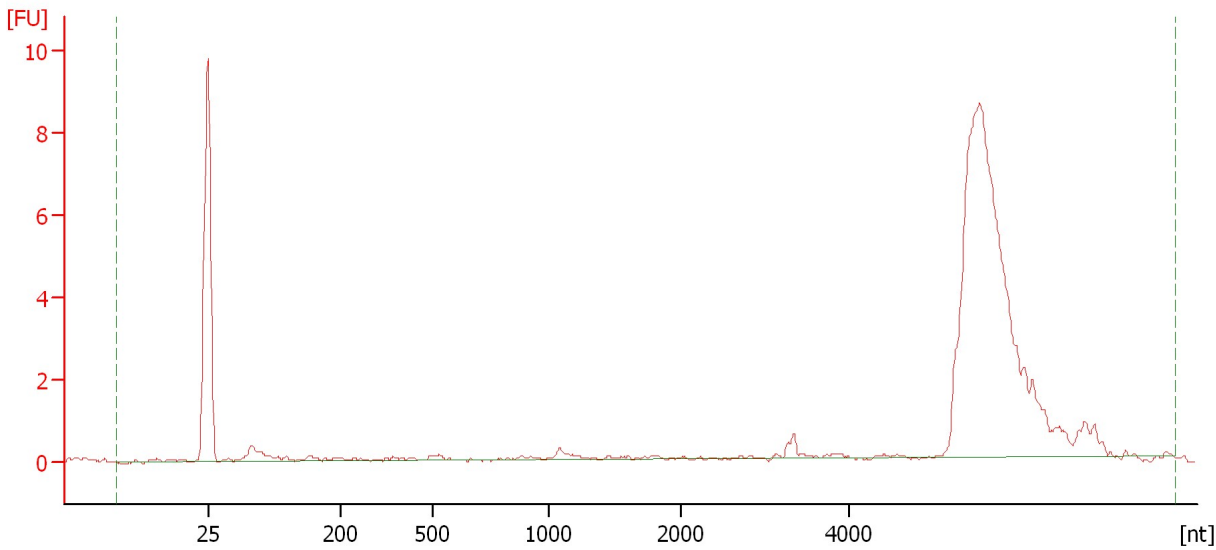
RNA Area:	4.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	38 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

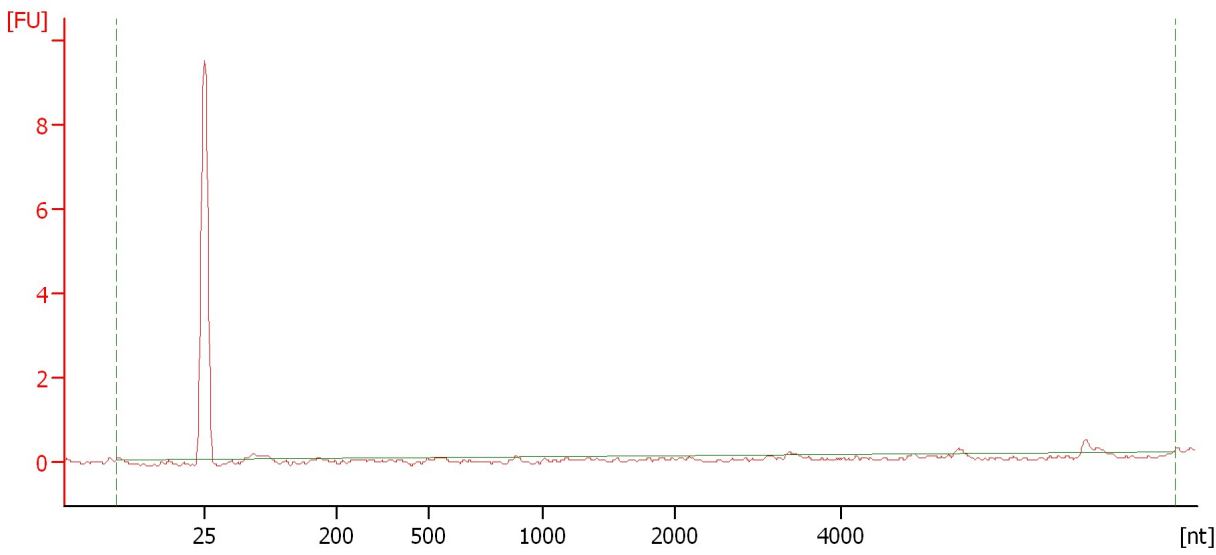
RNA Area:	40.9	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	362 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

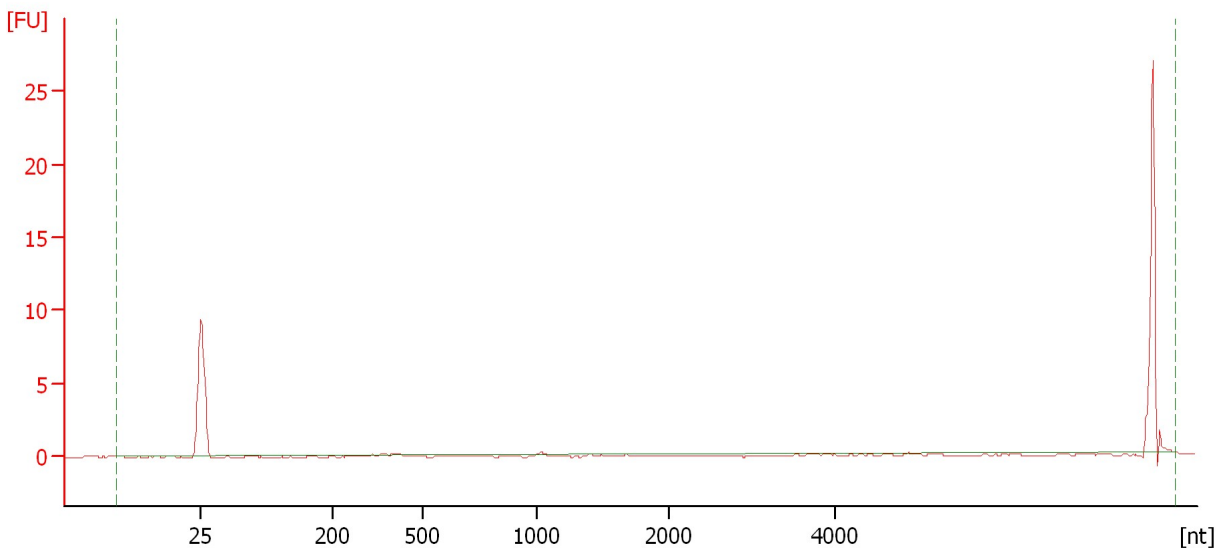
RNA Area:	0.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary Continued ...

Sample 10



Overall Results for sample 10 : Sample 10

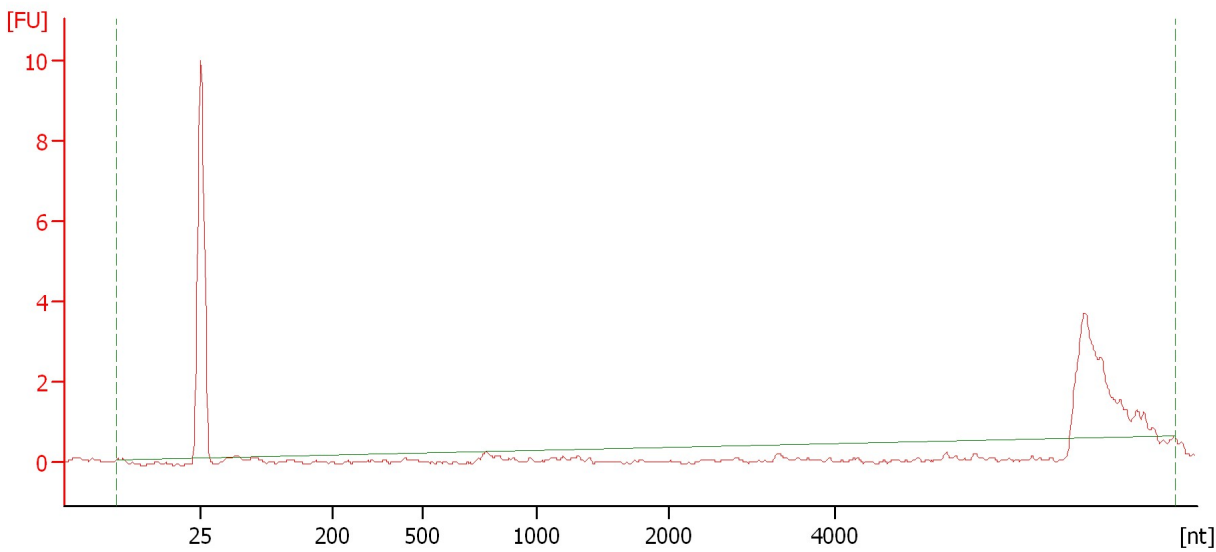
RNA Area:	9.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	85 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

RNA Area:	7.7	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	68 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-21\2015-05-21_003.xad

Created: 5/21/2015 11:01:16 AM
Modified: 5/21/2015 11:25:36 AM

Gel Image

