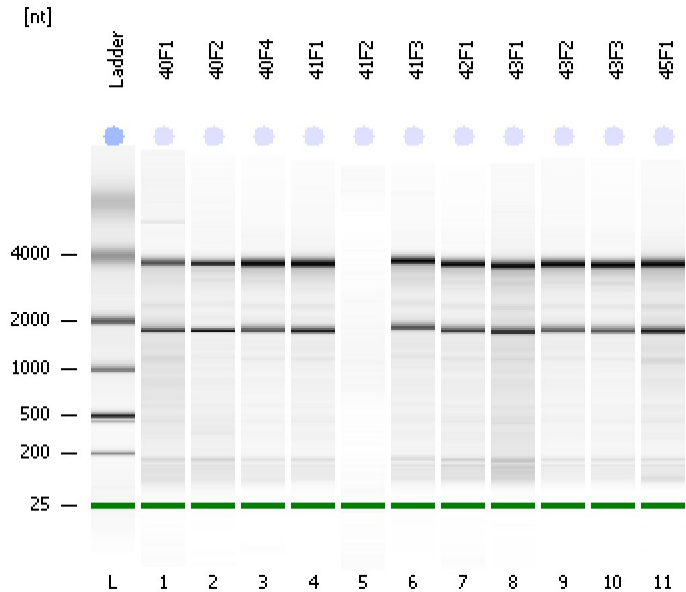


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
Modified: 4/25/2017 10:47:07 AM

Electrophoresis File Run Summary



Instrument Information:

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

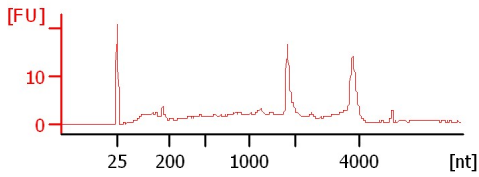
Assay Information:

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)
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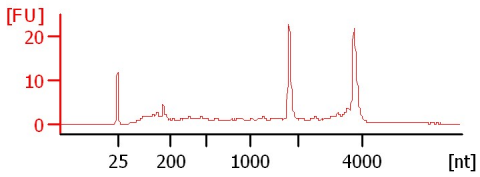
Chip Information:

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

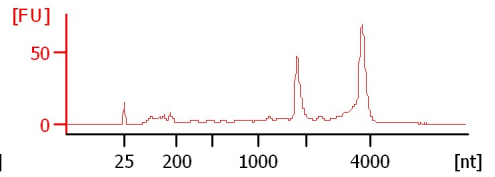
40F1
RIN: 7.20



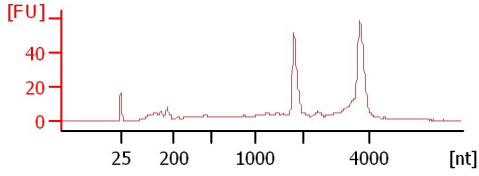
40F2
RIN: 7.40



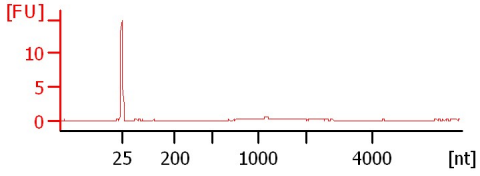
40F4
RIN: 8.60



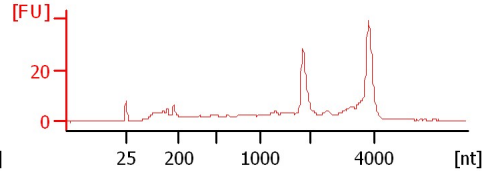
41F1
RIN: 8.30



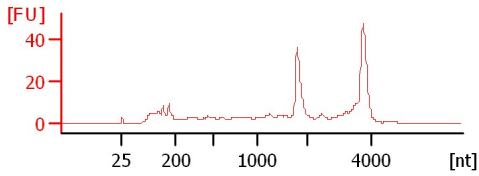
41F2
RIN: 1



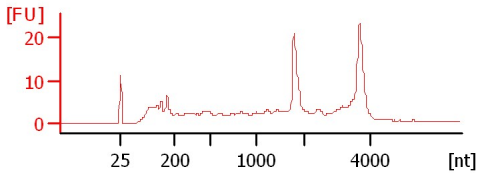
41F3
RIN: 7.80



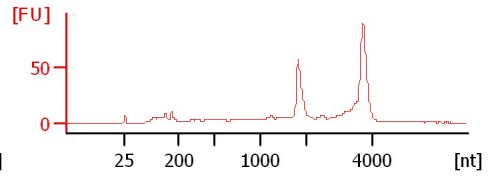
42F1
RIN: 7.60



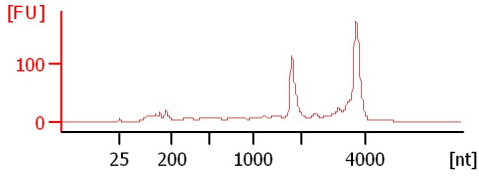
43F1
RIN: 7.10



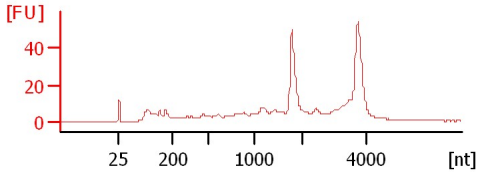
43F2
RIN: 8.40



43F3
RIN: 8.40



45F1
RIN: 7.70



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
 Modified: 4/25/2017 10:47:07 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
40F1		✓	RIN: 7.20	
40F2		✓	RIN: 7.40	
40F4		✓	RIN: 8.60	
41F1		✓	RIN: 8.30	
41F2		✓	RIN:1	
41F3		✓	RIN: 7.80	
42F1		✓	RIN: 7.60	
43F1		✓	RIN: 7.10	
43F2		✓	RIN: 8.40	
43F3		✓	RIN: 8.40	
45F1		✓	RIN: 7.70	
Ladder		✓	All Other Samples	

Chip Lot #

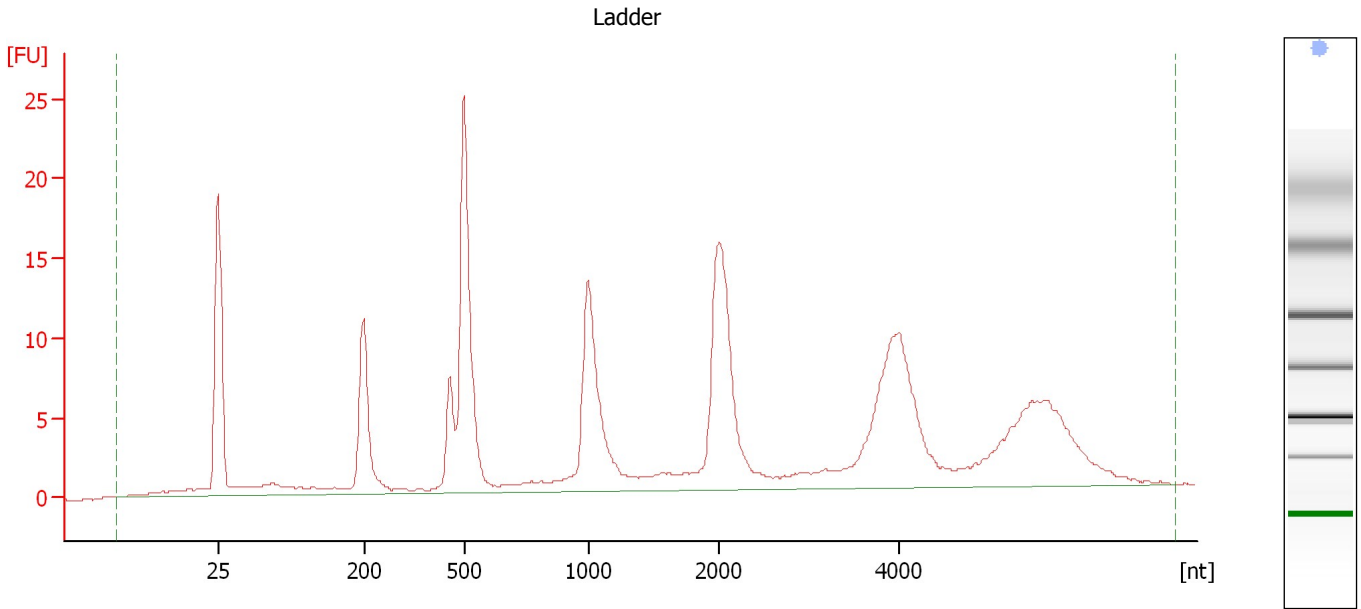
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary



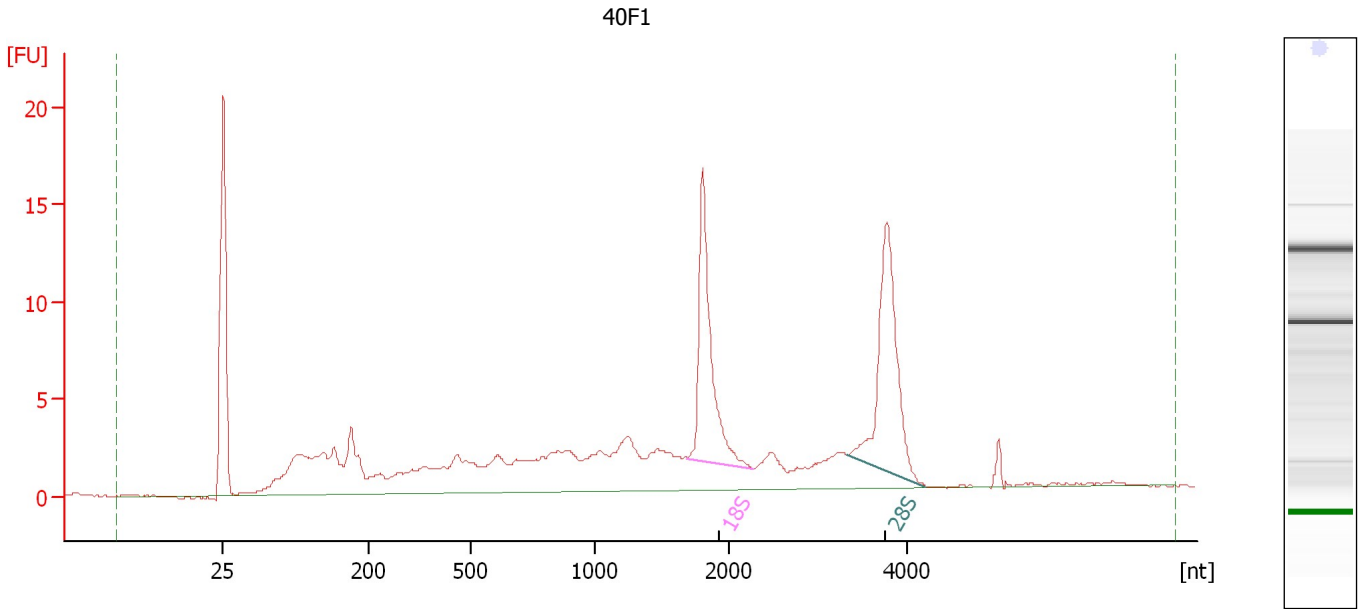
Overall Results for Ladder

RNA Area:	241.2	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\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 40F1

RNA Area: 161.9 RNA Integrity Number (RIN): 7.2 (B.02.08)
RNA Concentration: 671 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 7.20

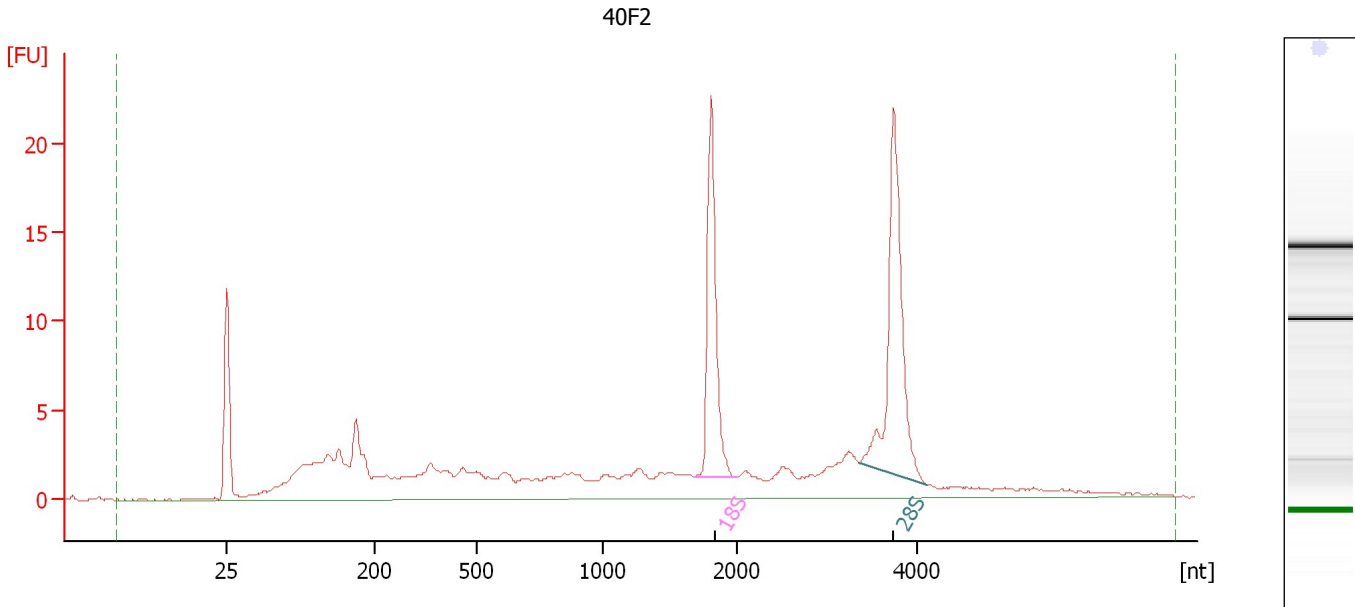
Fragment table for sample 1 : 40F1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,694	2,274	20.2	12.5
28S	3,331	4,199	22.4	13.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 40F2

RNA Area:	165.5	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	686 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.40

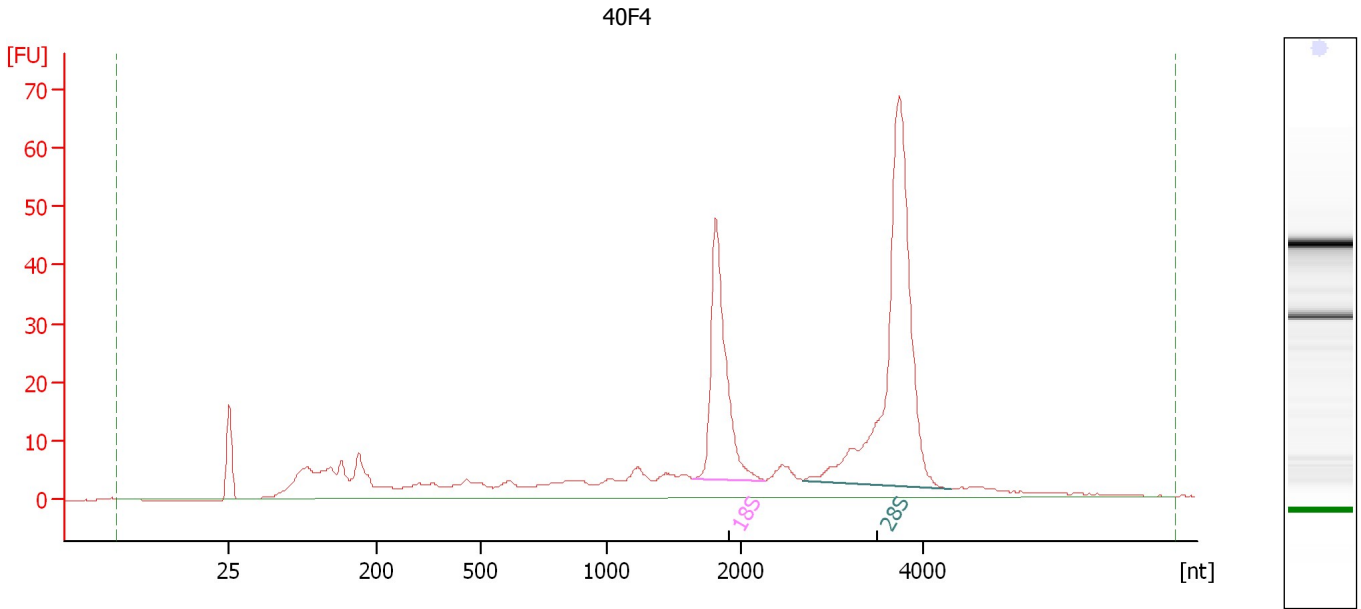
Fragment table for sample 2 : 40F2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,682	2,003	19.9	12.0
28S	3,358	4,112	26.3	15.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
 Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 40F4

RNA Area:	456.8	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	1,893 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 8.60

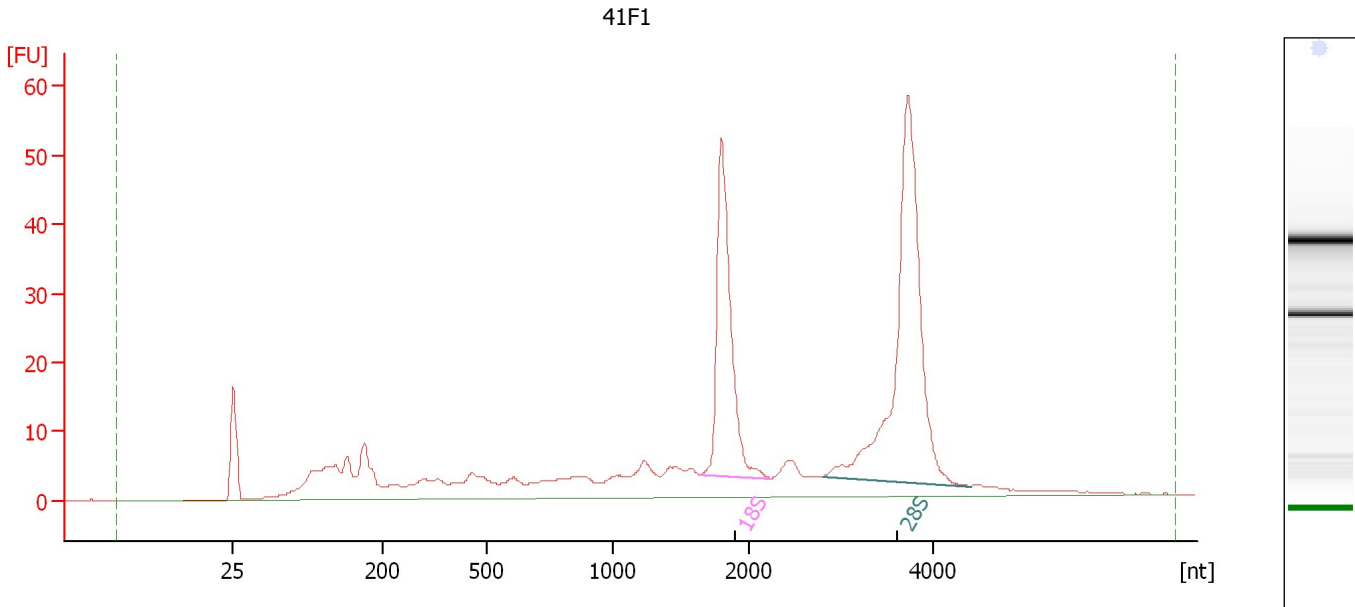
Fragment table for sample 3 : 40F4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,644	2,262	73.5	16.1
28S	2,684	4,315	150.4	32.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 41F1

RNA Area:	443.5	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	1,838 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.30

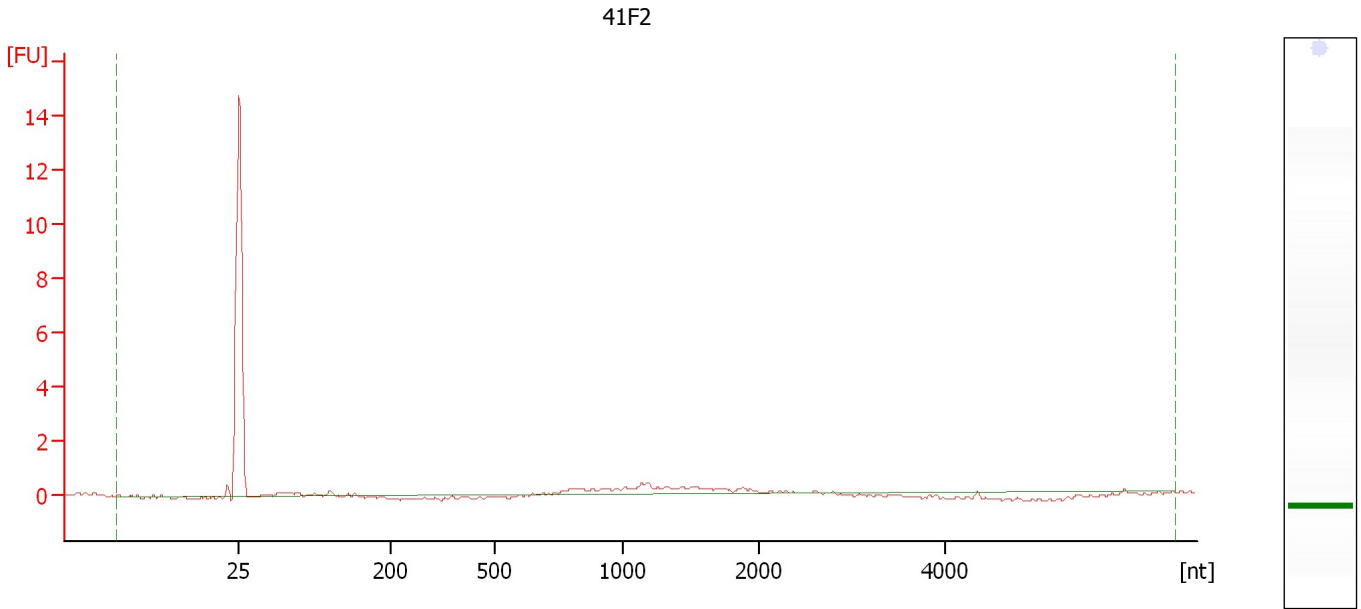
Fragment table for sample 4 : 41F1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,632	2,238	74.6	16.8
28S	2,808	4,414	128.4	29.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary Continued ...



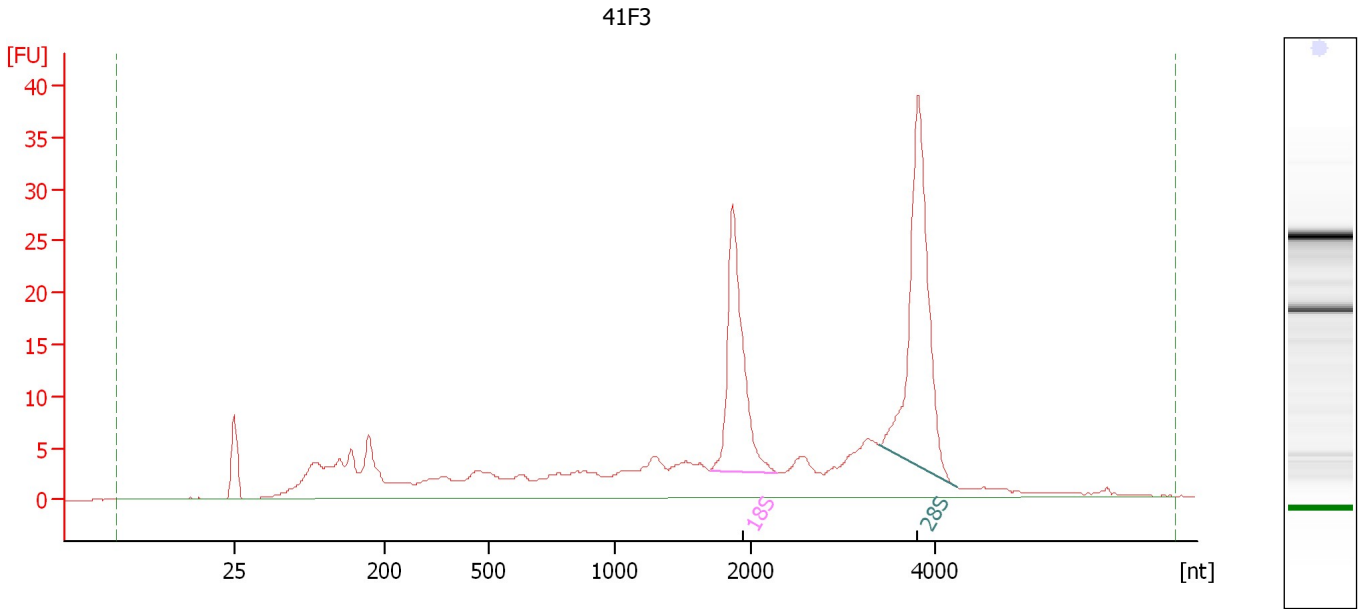
Overall Results for sample 5 : 41F2

RNA Area:	4.7	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	19 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\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 41F3

RNA Area: 314.4 RNA Integrity Number (RIN): 7.8 (B.02.08)
RNA Concentration: 1,303 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 7.80

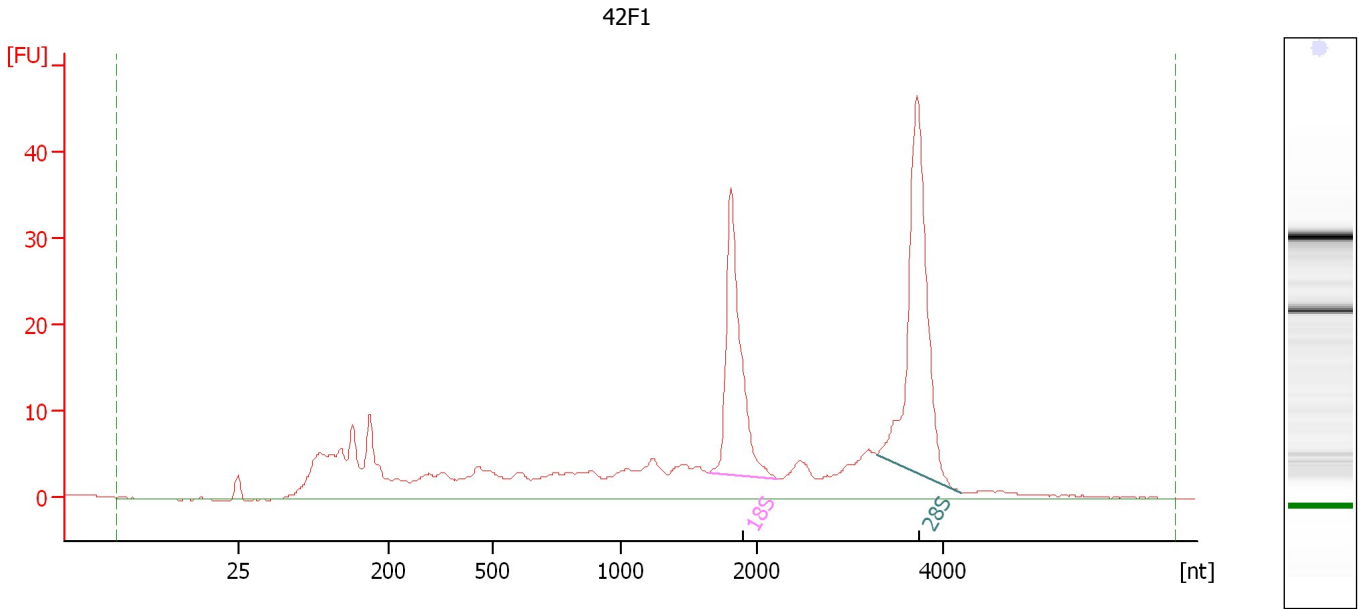
Fragment table for sample 6 : 41F3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	2,284	43.7	13.9
28S	3,399	4,236	61.6	19.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
 Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 42F1

RNA Area:	377.7	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	1,566 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.60

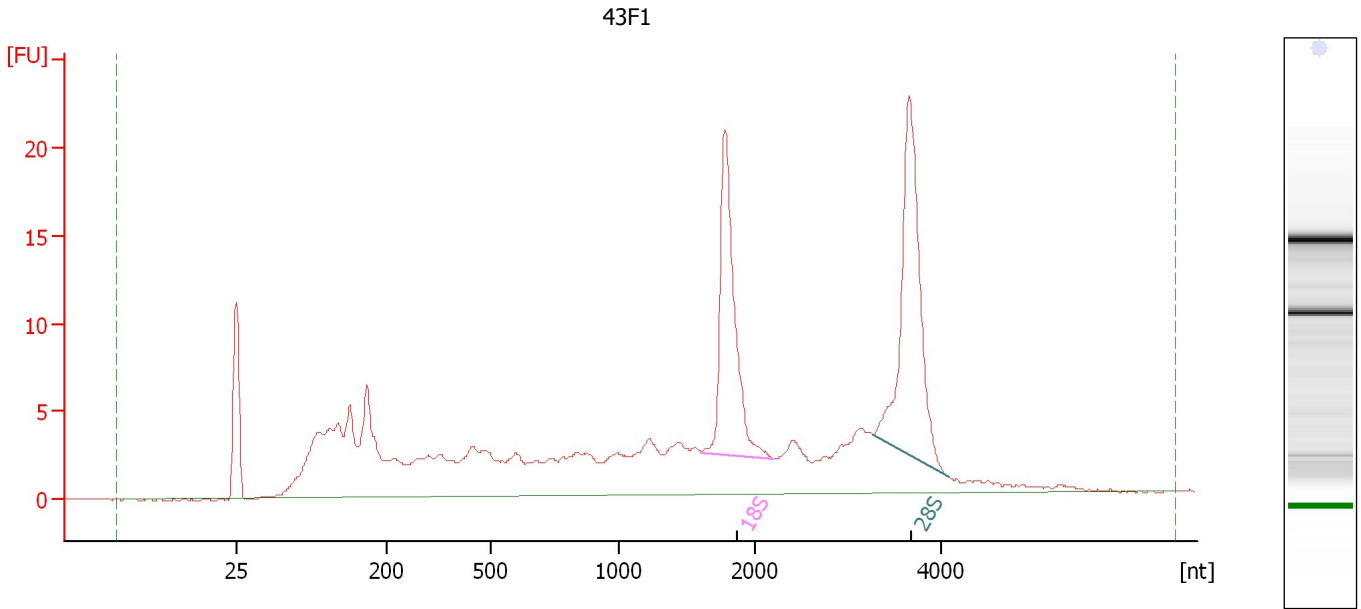
Fragment table for sample 7 : 42F1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,644	2,214	52.8	14.0
28S	3,288	4,200	75.6	20.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 43F1

RNA Area:	254.8	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	1,056 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.10

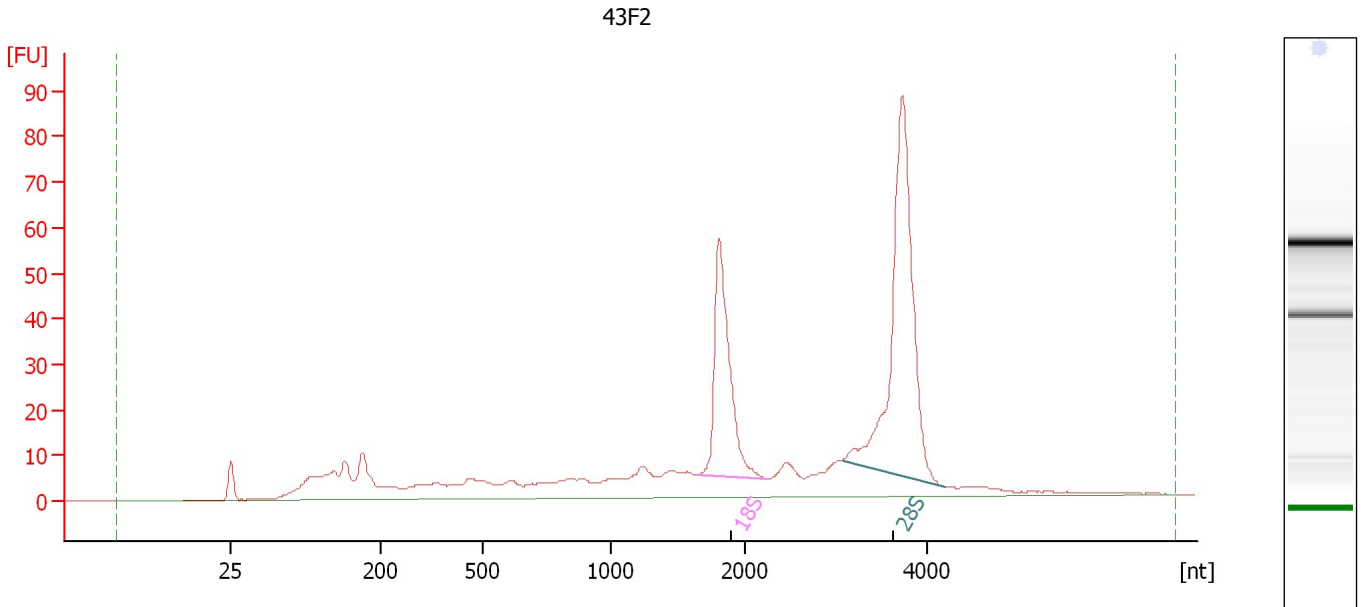
Fragment table for sample 8 : 43F1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,603	2,191	28.8	11.3
28S	3,279	4,089	35.7	14.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
 Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 43F2

RNA Area:	594.4	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	2,464 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.40

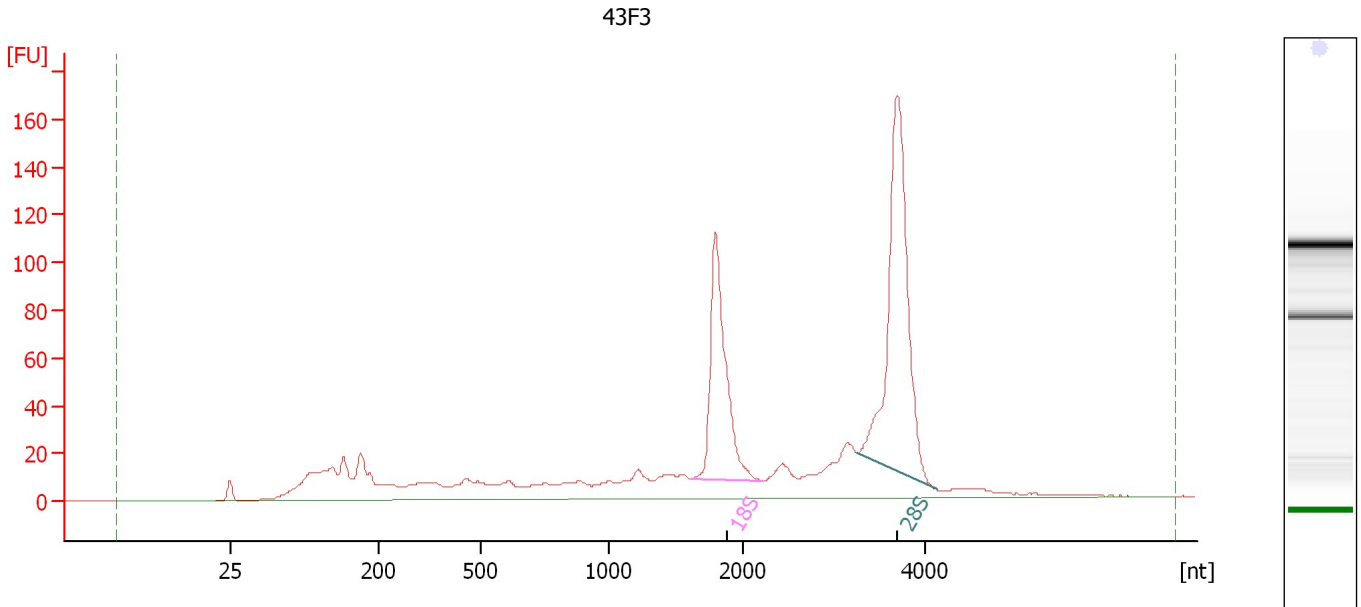
Fragment table for sample 9 : 43F2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,638	2,250	88.2	14.8
28S	3,068	4,190	165.3	27.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
 Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 43F3

RNA Area:	1,160.2	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	4,809 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.40

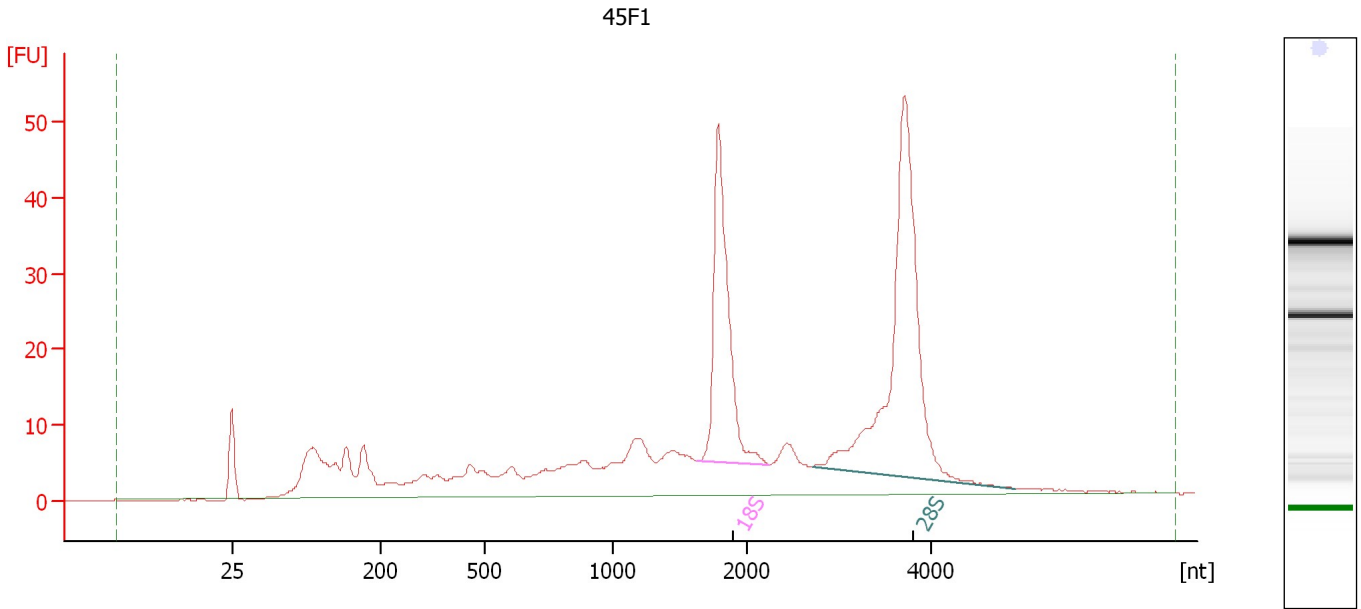
Fragment table for sample 10 : 43F3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,613	2,215	177.1	15.3
28S	3,257	4,123	291.0	25.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
Modified: 4/25/2017 10:47:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 45F1

RNA Area: 484.5 RNA Integrity Number (RIN): 7.7 (B.02.08)
RNA Concentration: 2,008 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 7.70

Fragment table for sample 11 : 45F1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,631	2,238	72.2	14.9
28S	2,716	4,932	123.0	25.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-25\2017-04-25_001.xad

Created: 4/25/2017 10:24:12 AM
Modified: 4/25/2017 10:47:07 AM

Gel Image

