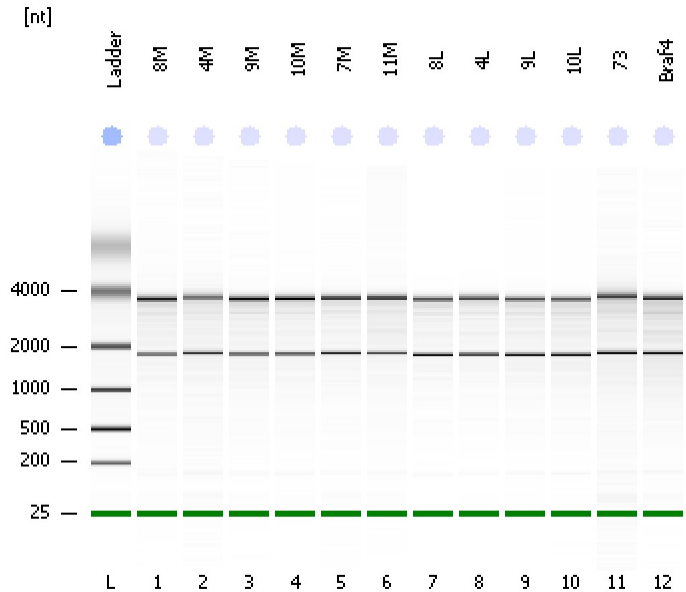


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 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 Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
 Modified: 6/18/2014 10:07:53 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
8M		✓	RIN:9	
4M		✓	RIN: 8.30	
9M		✓	RIN: 8.80	
10M		✓	RIN:9	
7M		✓	RIN:9	
11M		✓	RIN:9	
8L		✓	RIN: 8.70	
4L		✓	RIN: 8.80	
9L		✓	RIN: 8.50	
10L		✓	RIN: 8.50	
73		✓	RIN: 8.40	
Braf4		✓	RIN: 7.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ 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] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

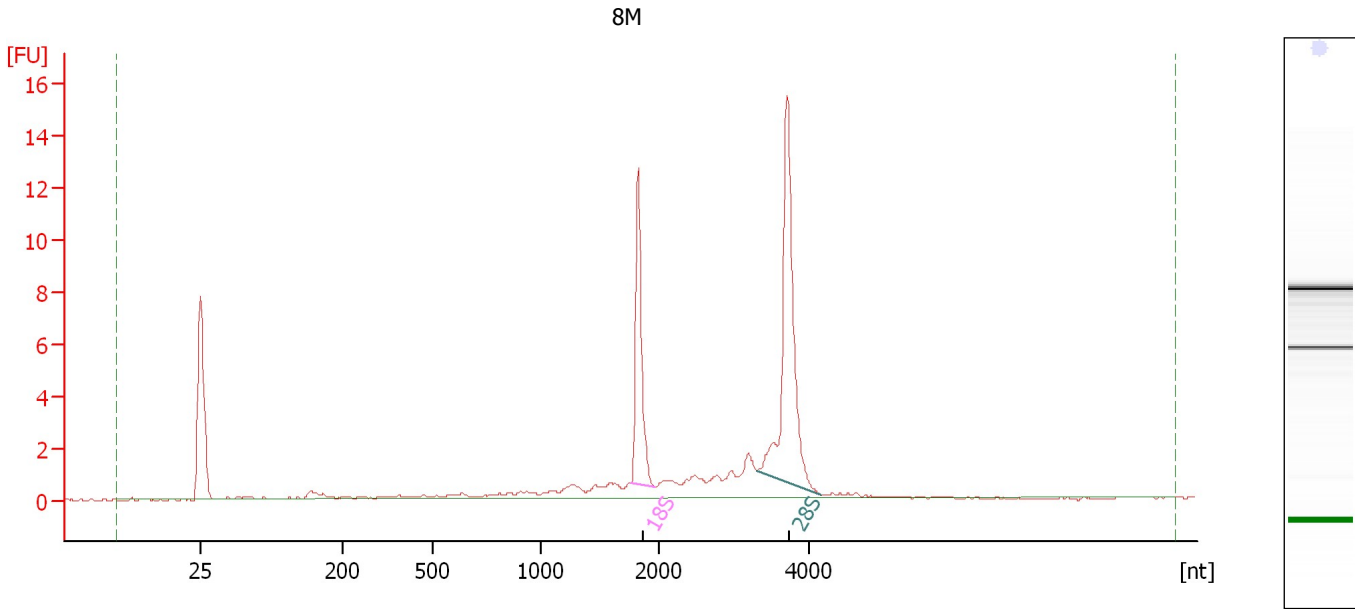
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Electropherogram Summary



Overall Results for sample 1 : 8M

RNA Area: 48.9 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 33 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN:9

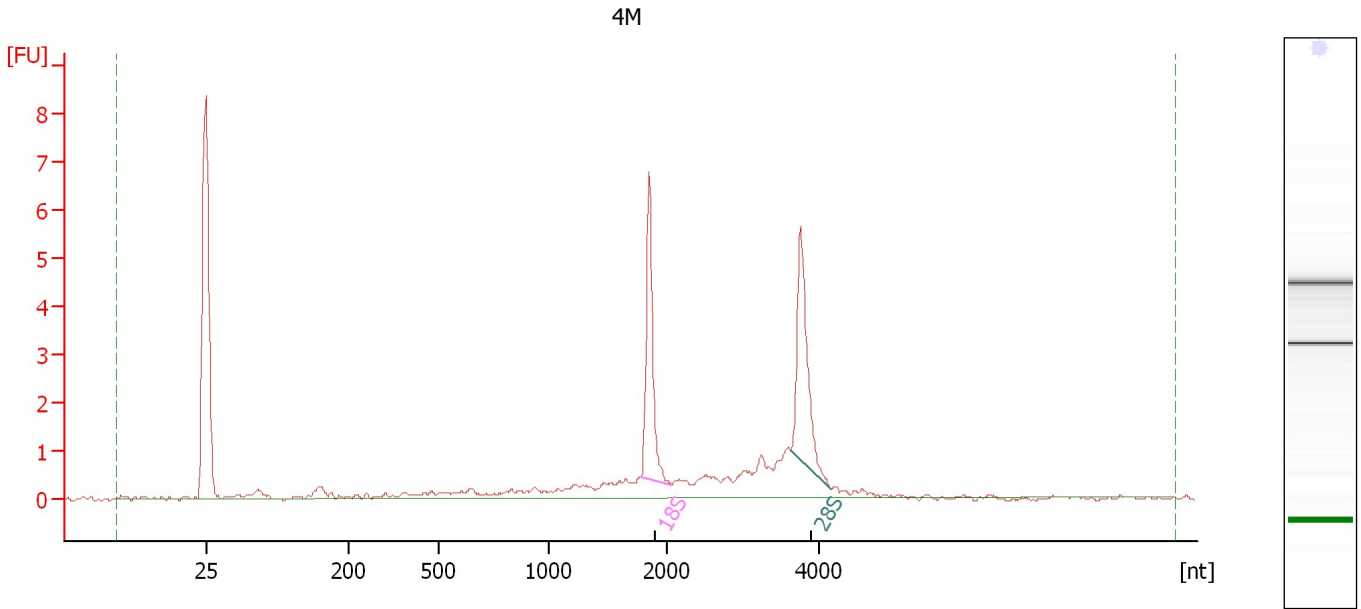
Fragment table for sample 1 : 8M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,766	1,975	9.1	18.6
28S	3,293	4,143	16.3	33.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 4M

RNA Area:	25.1	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	17 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.30

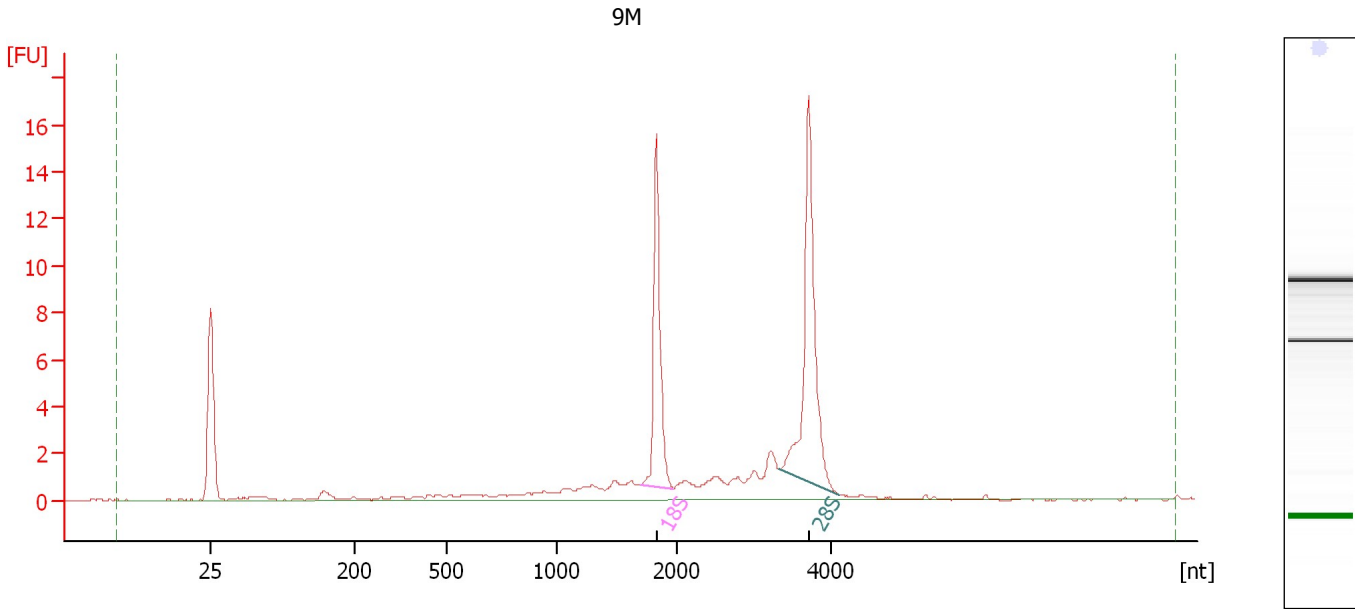
Fragment table for sample 2 : 4M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,789	2,066	5.0	19.9
28S	3,624	4,158	5.0	20.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 9M

RNA Area: 55.3 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 37 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.80

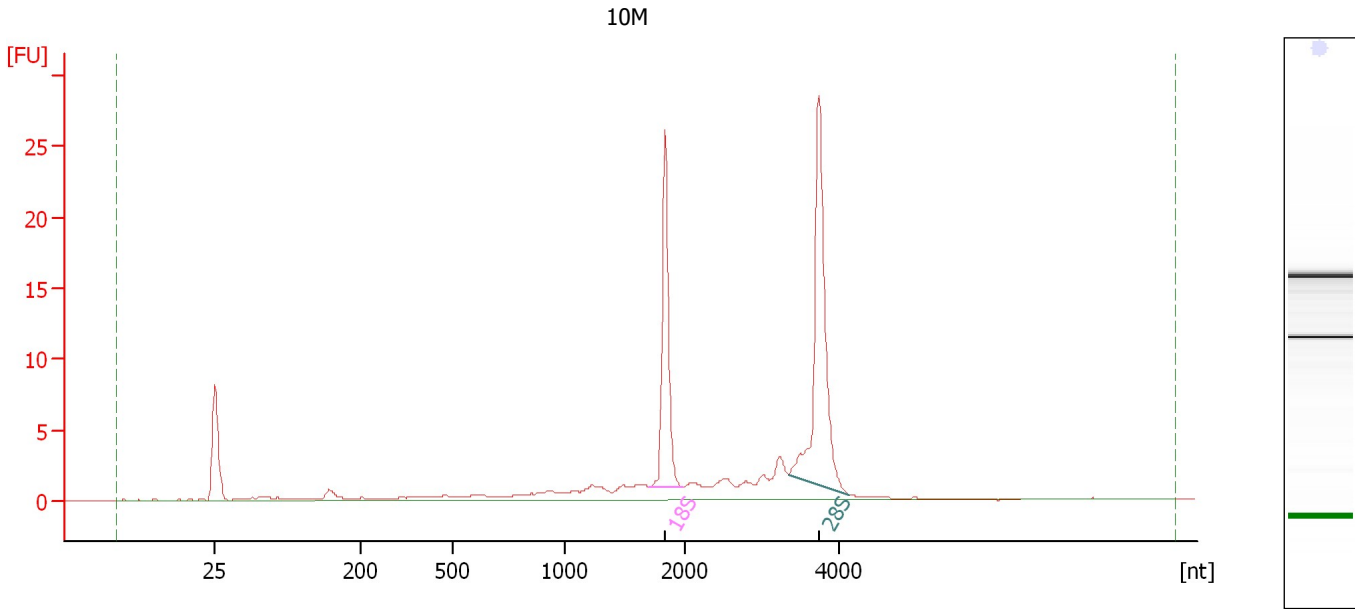
Fragment table for sample 3 : 9M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	1,974	11.6	20.9
28S	3,336	4,100	17.8	32.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 10M

RNA Area: 89.5 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 60 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN:9

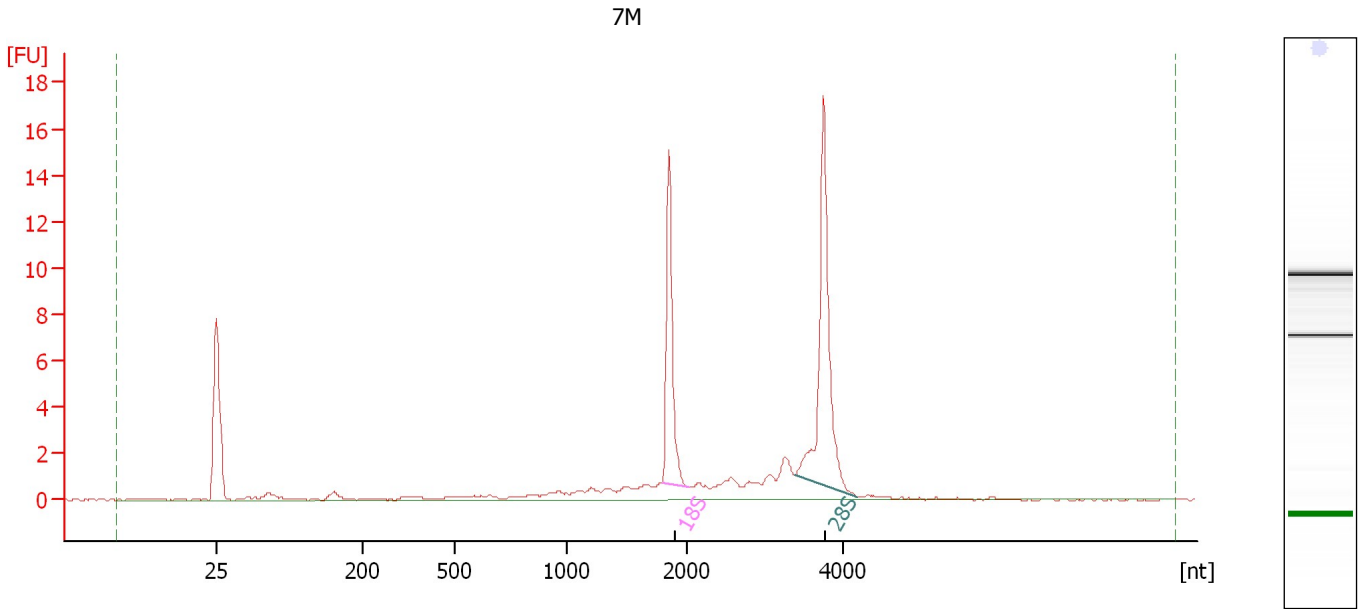
Fragment table for sample 4 : 10M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,703	1,986	19.0	21.2
28S	3,329	4,129	29.1	32.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 7M

RNA Area: 51.1 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 34 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN:9

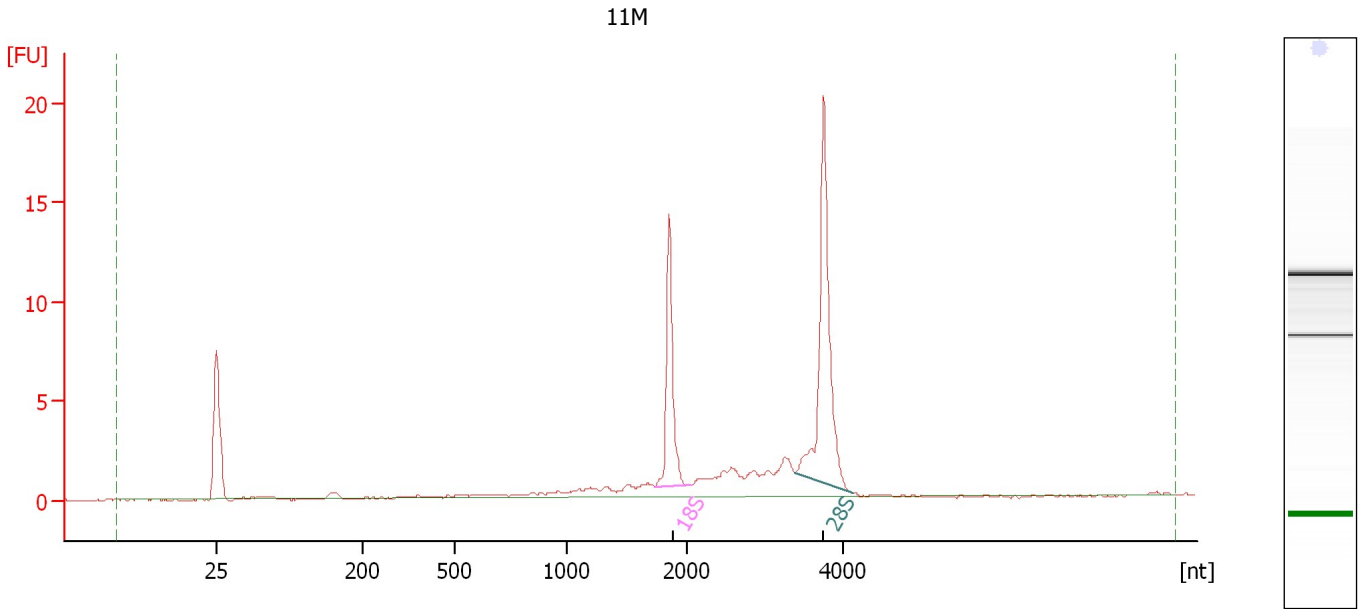
Fragment table for sample 5 : 7M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,793	2,035	10.6	20.8
28S	3,383	4,194	16.4	32.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 11M

RNA Area: 54.9 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 37 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN:9

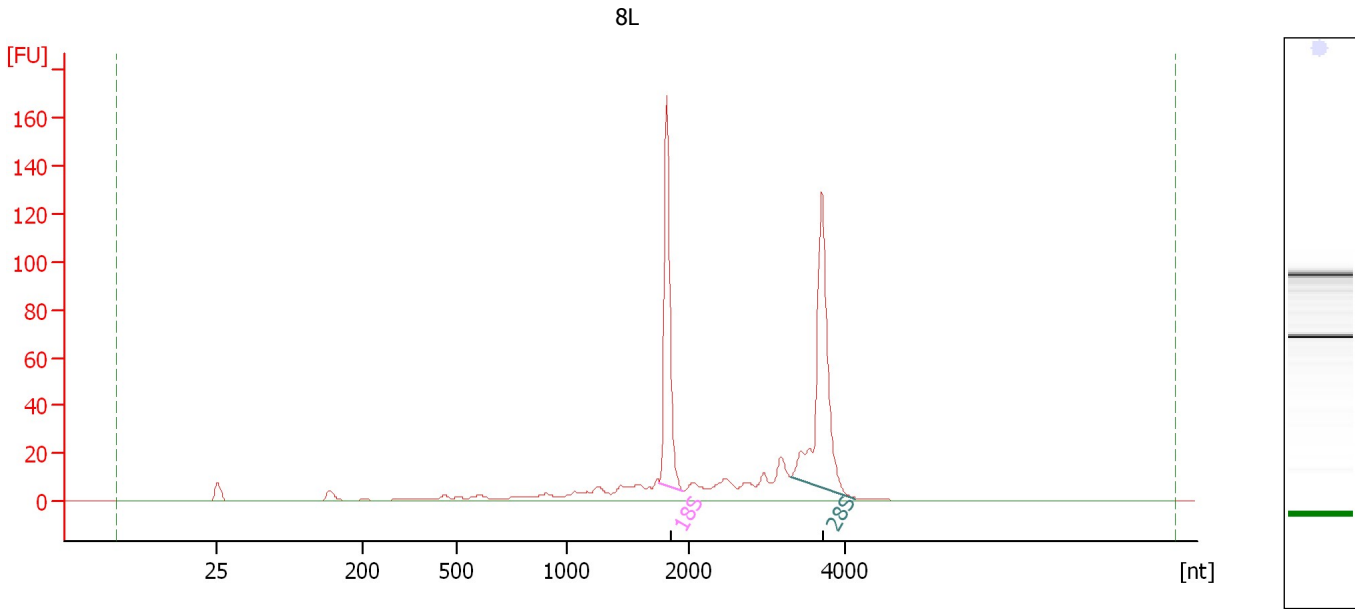
Fragment table for sample 6 : 11M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,740	2,049	10.3	18.8
28S	3,397	4,139	19.4	35.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 8L

RNA Area: 486.3 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 324 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 8.70

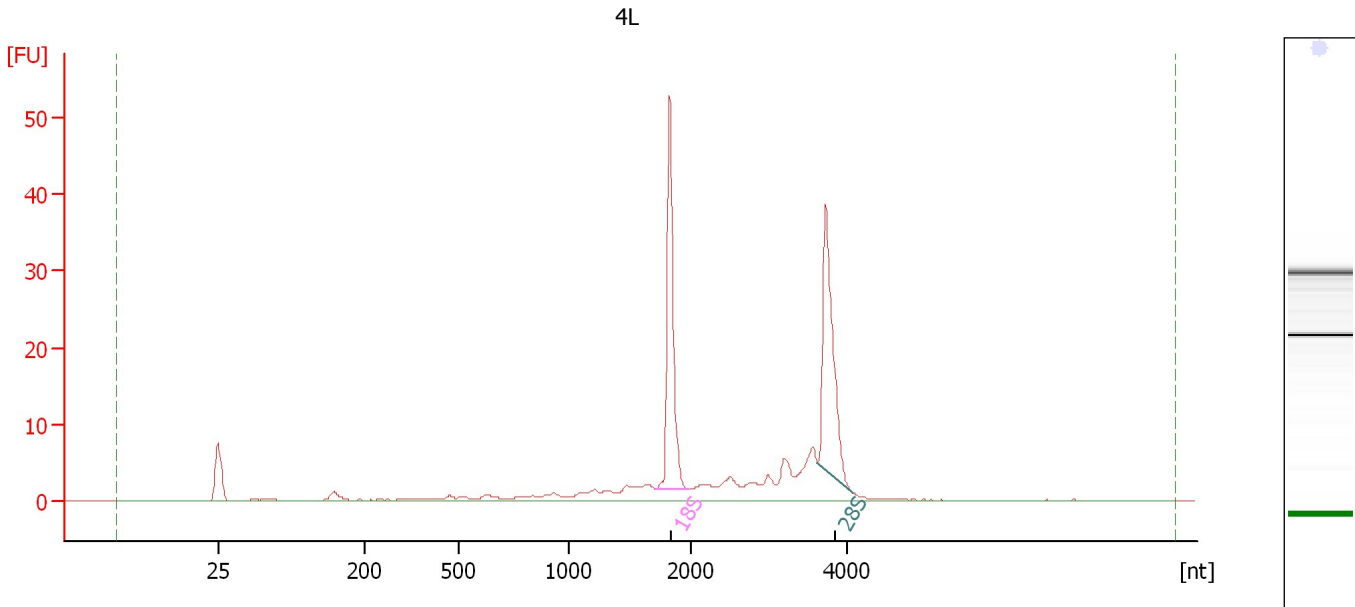
Fragment table for sample 7 : 8L

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,759	1,944	118.8	24.4
28S	3,299	4,136	140.3	28.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 4L

RNA Area: 148.5 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 99 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 8.80

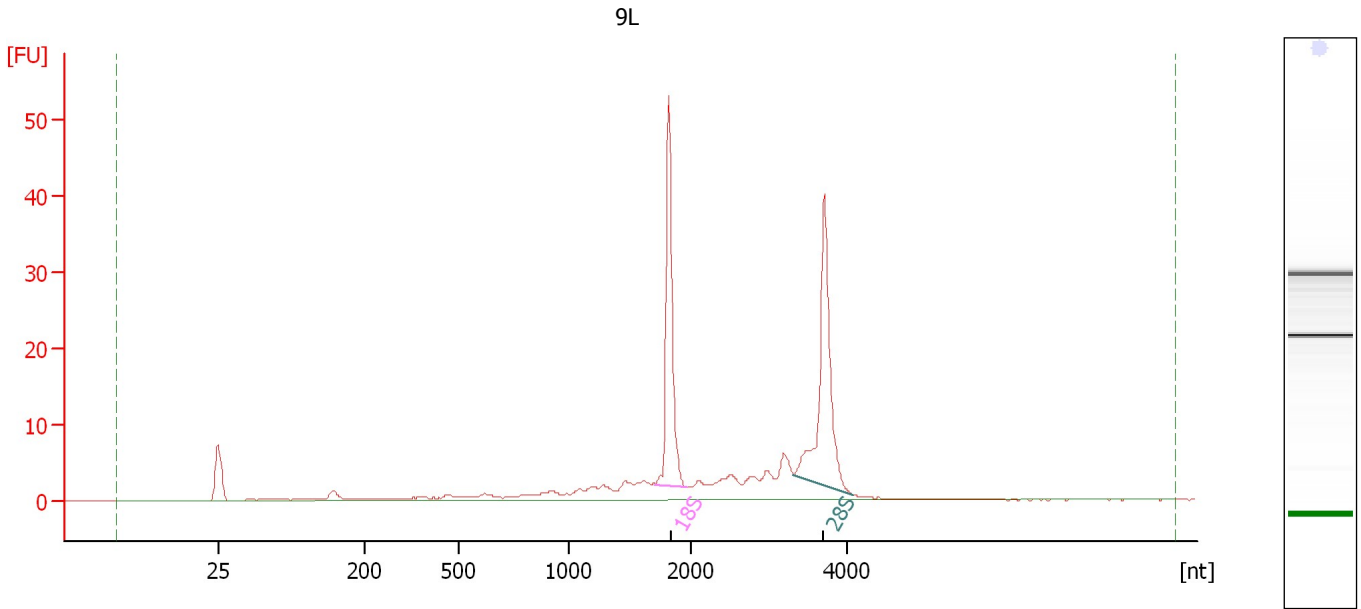
Fragment table for sample 8 : 4L

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	1,989	38.3	25.8
28S	3,626	4,064	36.3	24.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : 9L

RNA Area:	165.7	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	110 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.50

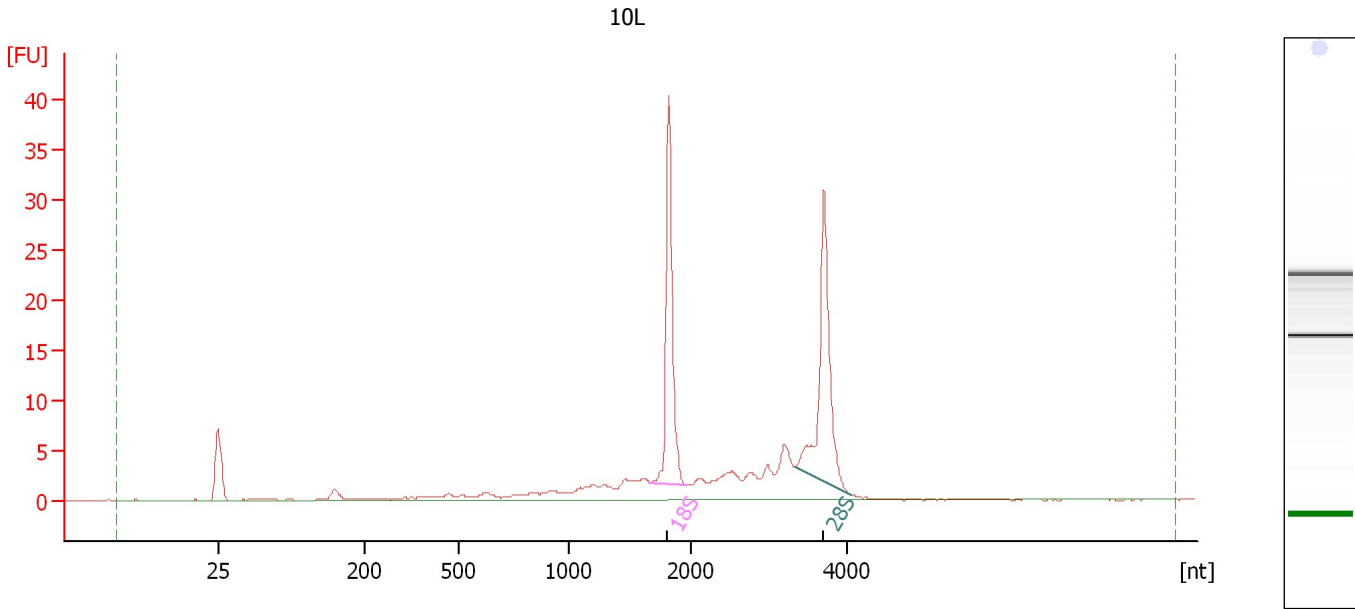
Fragment table for sample 9 : 9L

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	1,962	38.6	23.3
28S	3,311	4,078	41.5	25.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
 Modified: 6/18/2014 10:07:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 10L

RNA Area:	127.3	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	85 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.50

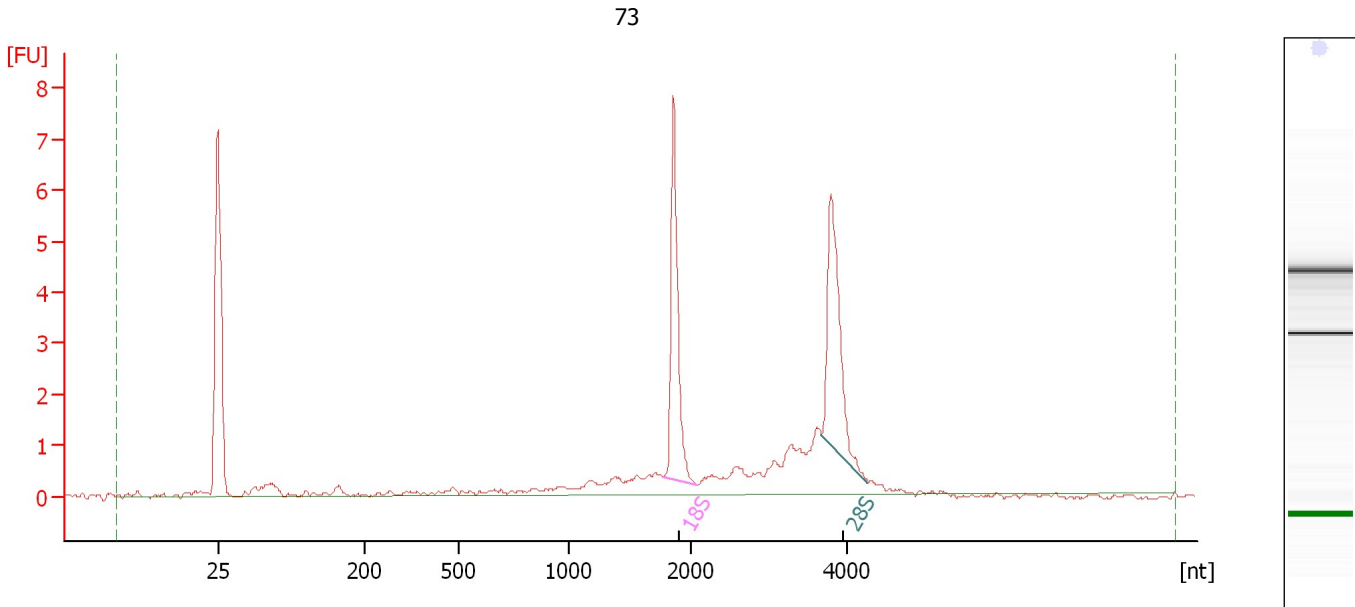
Fragment table for sample 10 : 10L

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,654	1,962	29.9	23.5
28S	3,325	4,051	30.8	24.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 73

RNA Area:	28.8	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	19 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.40

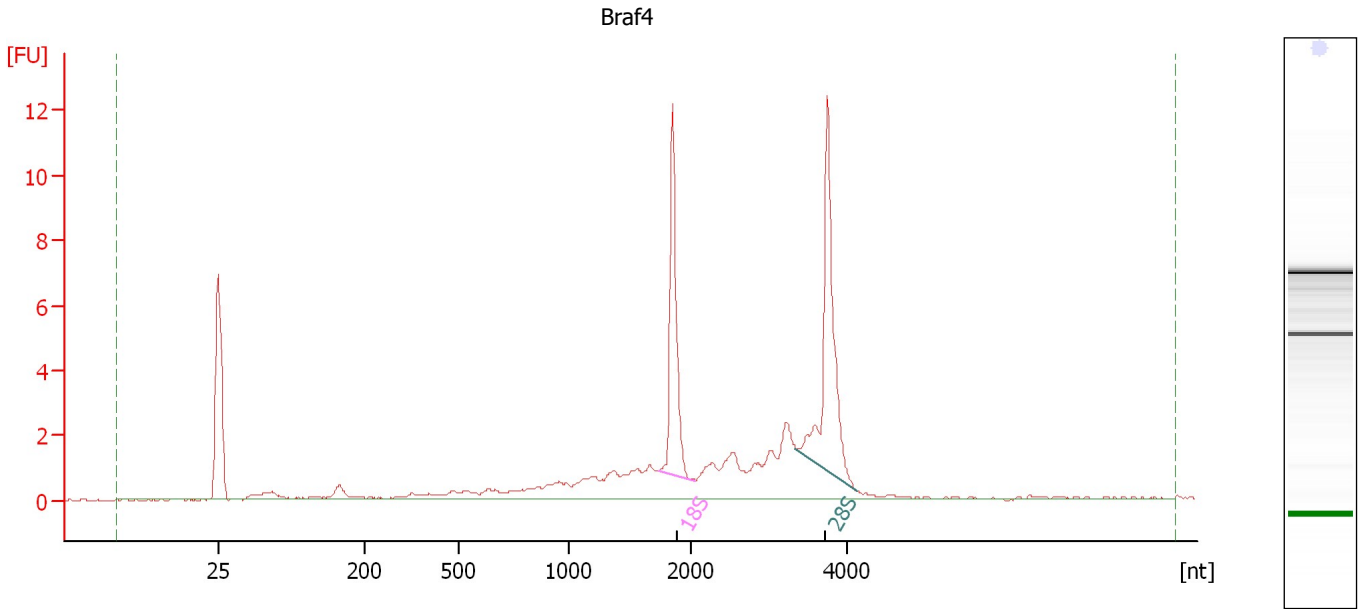
Fragment table for sample 11 : 73

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,769	2,078	5.8	20.1
28S	3,667	4,256	6.1	21.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Braf4

RNA Area:	55.9	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	37 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.90

Fragment table for sample 12 : Braf4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,742	2,051	8.4	15.0
28S	3,339	4,119	11.8	21.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-18\2014-06-18_001.xad

Created: 6/18/2014 9:44:01 AM
Modified: 6/18/2014 10:07:53 AM

Gel Image

