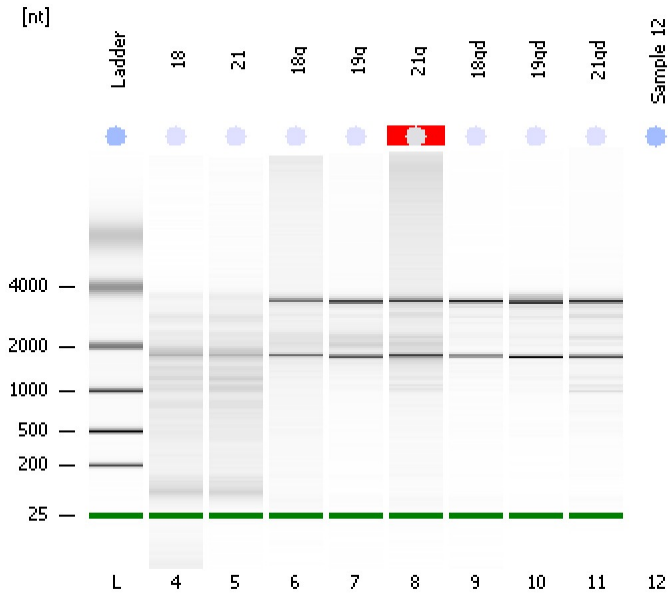


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
Modified: 5/29/2015 4:11:26 PM

Electrophoresis File Run Summary



Instrument Information:

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

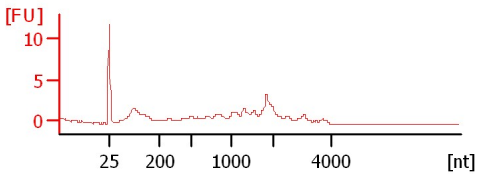
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

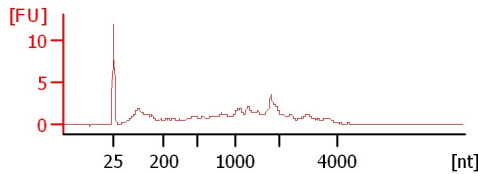
Chip Information:

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

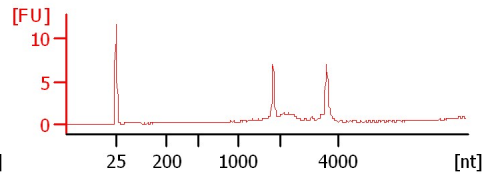
Total RNA RIN: 6 **18**



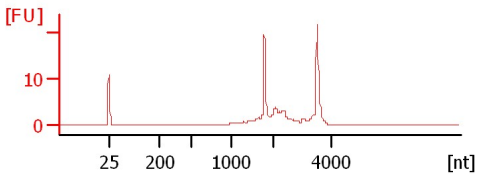
Total RNA RIN: 5.30 **21**



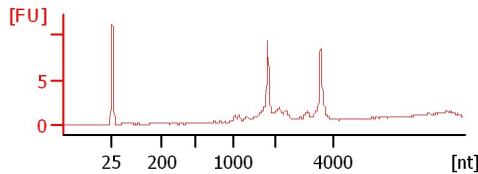
Total RNA RIN: 8.40 **18q**



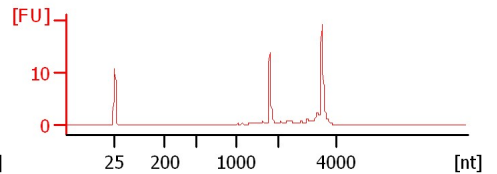
Total RNA RIN: 8.80 **19q**



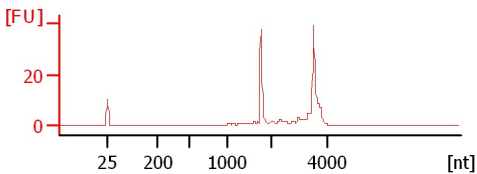
Total RNA RIN: N/A **21q**



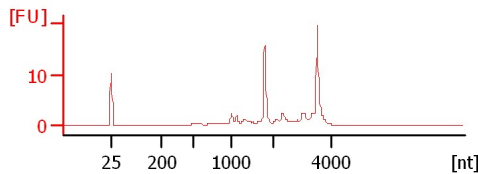
Total RNA RIN: 9.30 **18qd**



Total RNA RIN: 9.40 **19qd**



Total RNA RIN: 8.10 **21qd**



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
 Modified: 5/29/2015 4:11:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
18	Total RNA	✓	RIN:6	
21	Total RNA	✓	RIN: 5.30	
18q	Total RNA	✓	RIN: 8.40	
19q	Total RNA	✓	RIN: 8.80	
21q	Total RNA	✓	RIN N/A	
18qd	Total RNA	✓	RIN: 9.30	
19qd	Total RNA	✓	RIN: 9.40	
21qd	Total RNA	✓	RIN: 8.10	
Sample 12		✗		
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
Modified: 5/29/2015 4:11:26 PM

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/μl] : 150

Lower Marker Concentration [ng/μl] : 0

Upper Marker Concentration [ng/μl] : 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

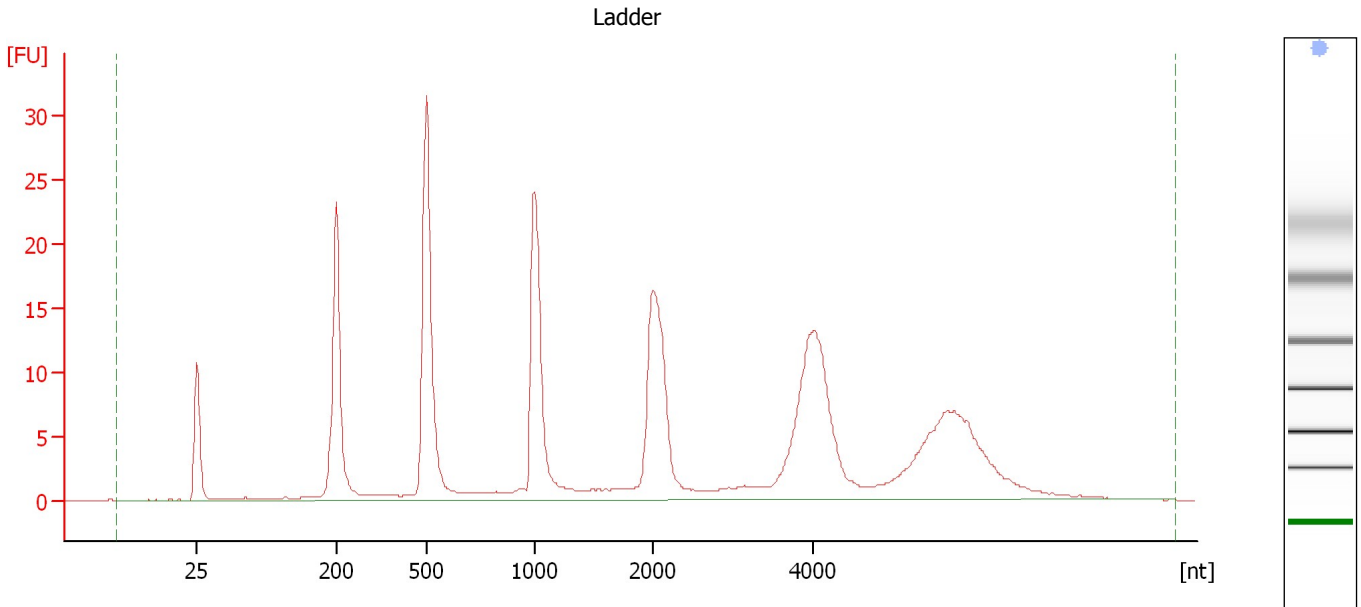
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
Modified: 5/29/2015 4:11:26 PM

Electropherogram Summary



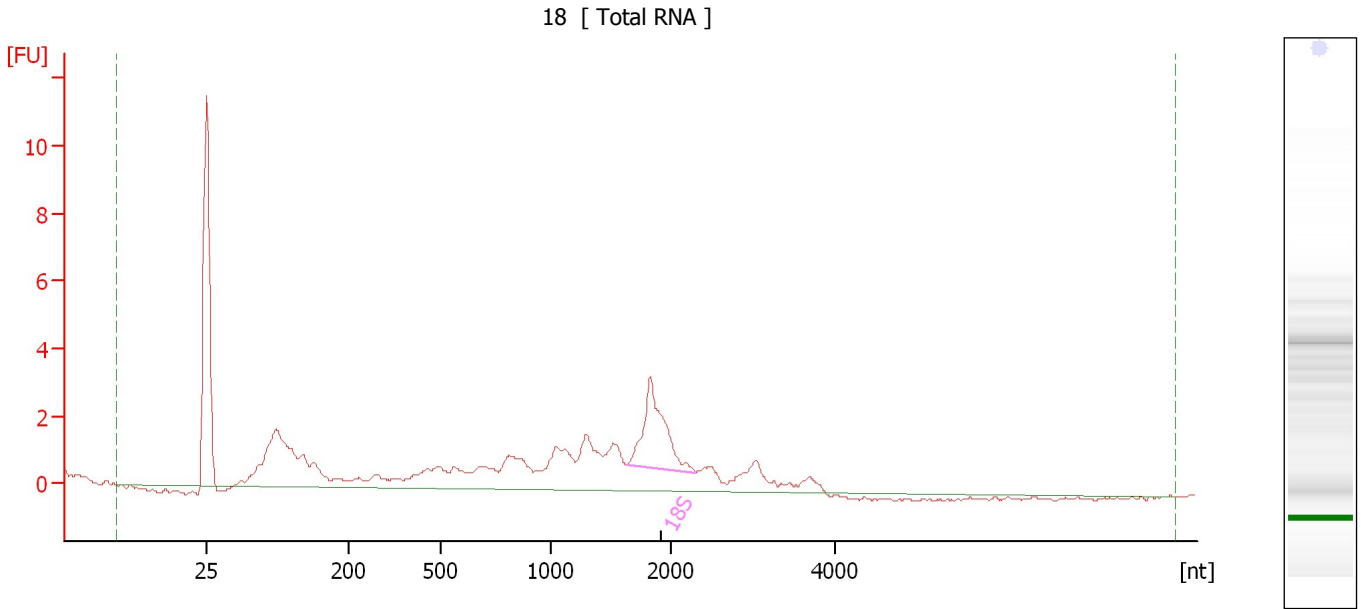
Overall Results for Ladder

RNA Area:	266.5	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
 Modified: 5/29/2015 4:11:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 18

RNA Area:	52.9	RNA Integrity Number (RIN):	6 (B.02.08)
RNA Concentration:	30 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:6

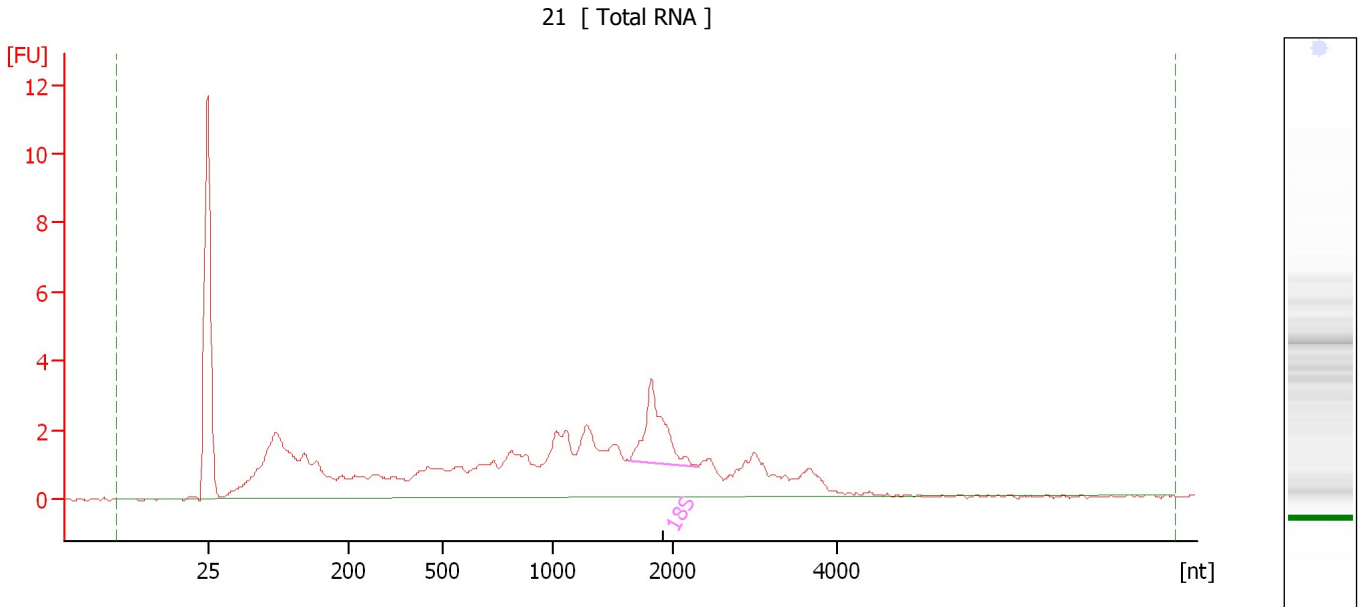
Fragment table for sample 4 : 18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,626	2,284	6.6	12.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
Modified: 5/29/2015 4:11:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 21

RNA Area:	76.8	RNA Integrity Number (RIN):	5.3 (B.02.08)
RNA Concentration:	43 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.30

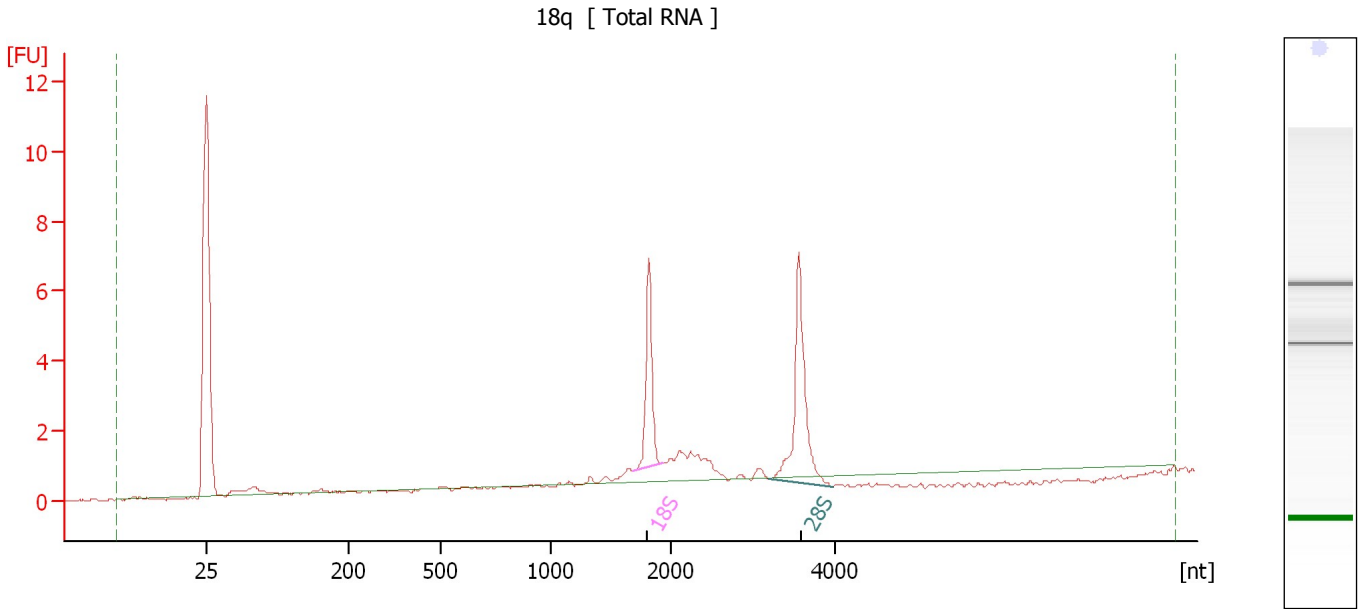
Fragment table for sample 5 : 21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,627	2,297	5.4	7.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
 Modified: 5/29/2015 4:11:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 18q

RNA Area:	19.1	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	11 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.40

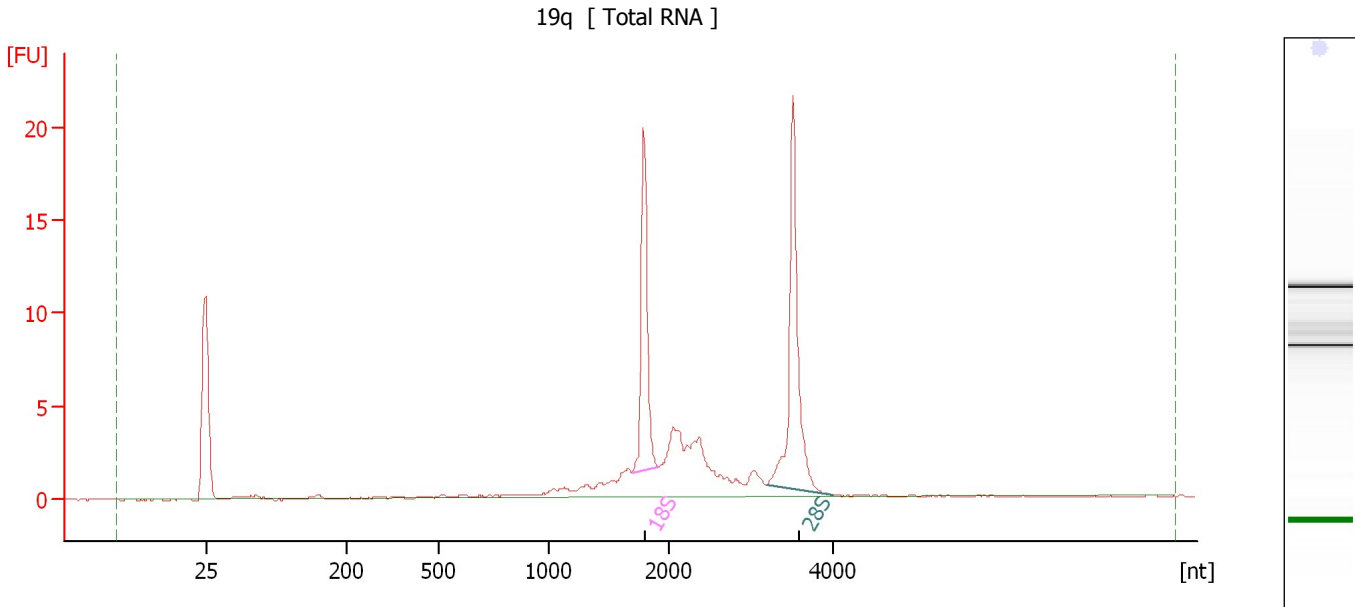
Fragment table for sample 6 : 18q

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	1,926	4.4	23.2
28S	3,199	3,984	7.0	36.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
Modified: 5/29/2015 4:11:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 19q

RNA Area:	68.6	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	39 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.80

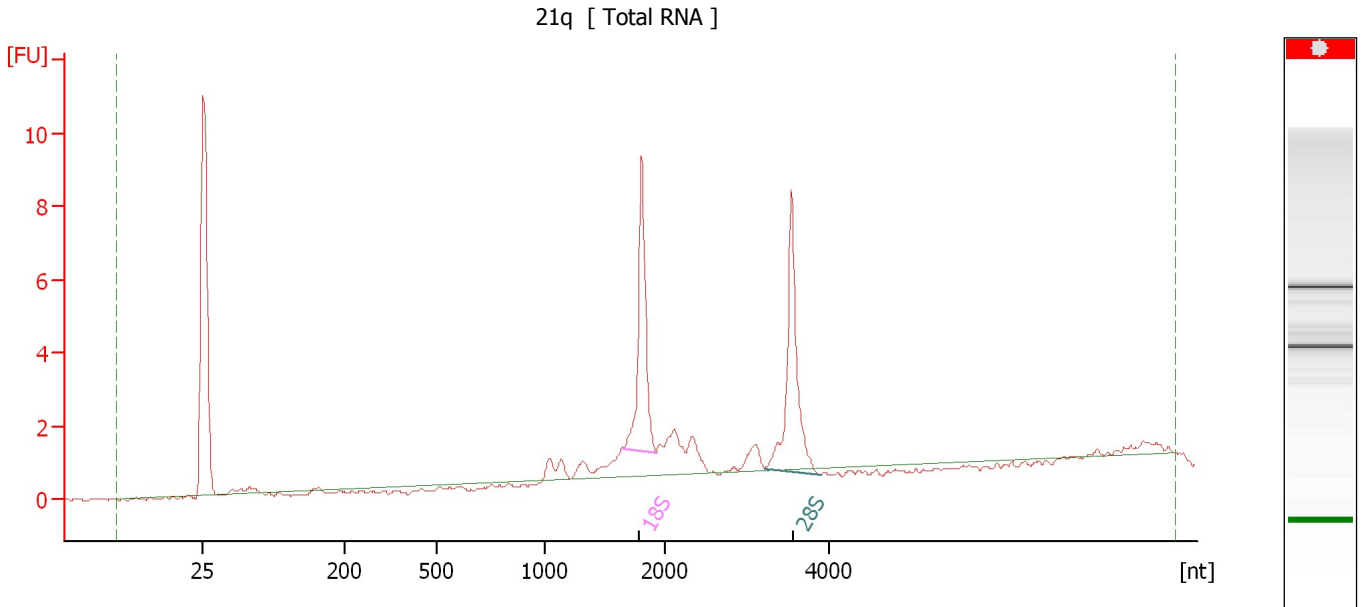
Fragment table for sample 7 : 19q

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,686	1,908	12.8	18.7
28S	3,188	4,014	19.3	28.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : 21q

RNA Area:	27.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	15 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN N/A

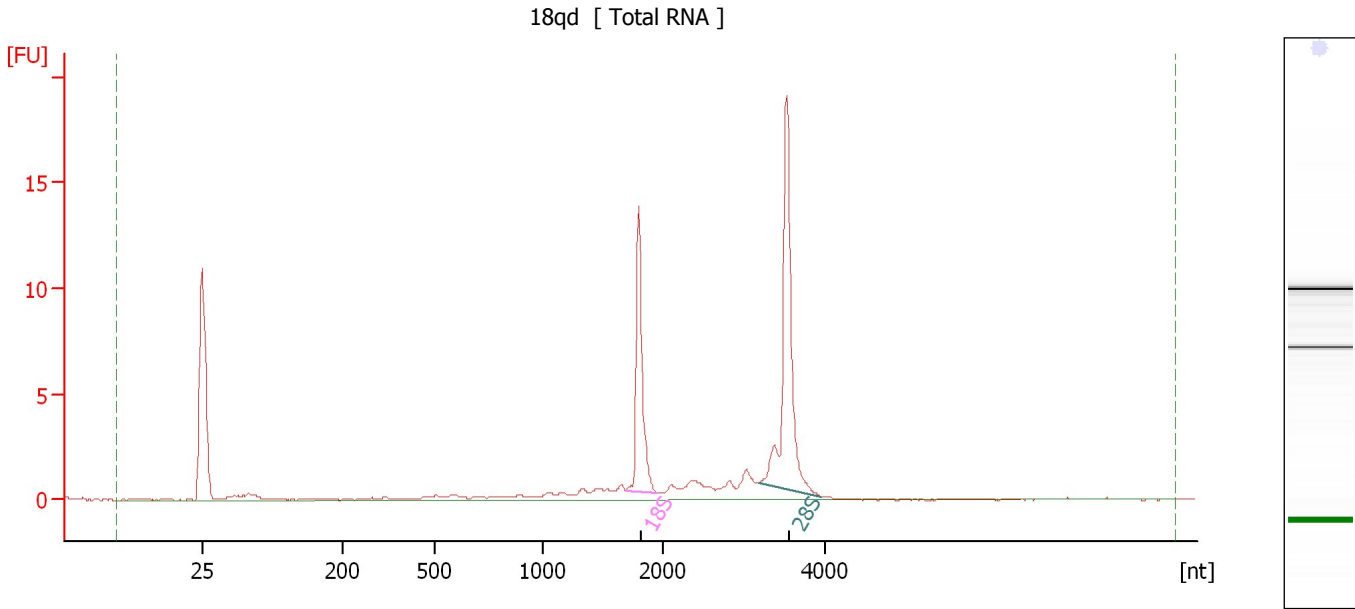
Fragment table for sample 8 : 21q

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,648	1,924	7.0	25.5
28S	3,217	3,901	7.9	28.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
Modified: 5/29/2015 4:11:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 18qd

RNA Area:	45.6	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	26 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.30

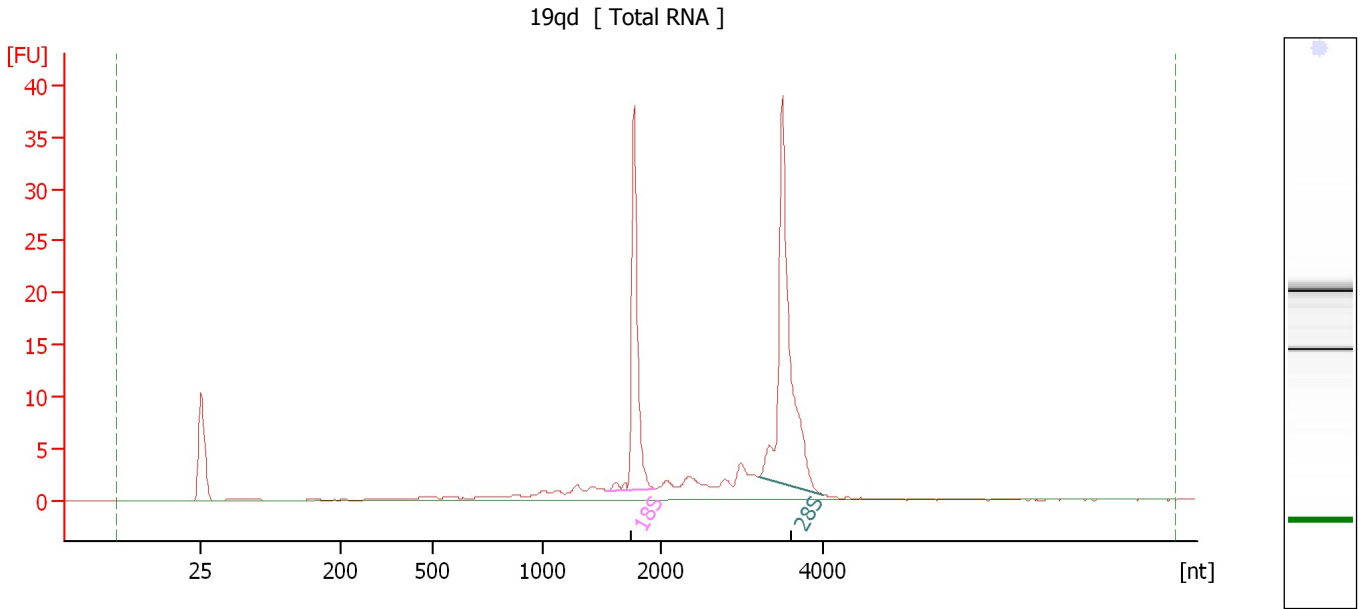
Fragment table for sample 9 : 18qd

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,691	1,950	10.2	22.4
28S	3,179	3,944	16.1	35.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
Modified: 5/29/2015 4:11:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 19qd

RNA Area: 119.5 RNA Integrity Number (RIN): 9.4 (B.02.08)
RNA Concentration: 67 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.40

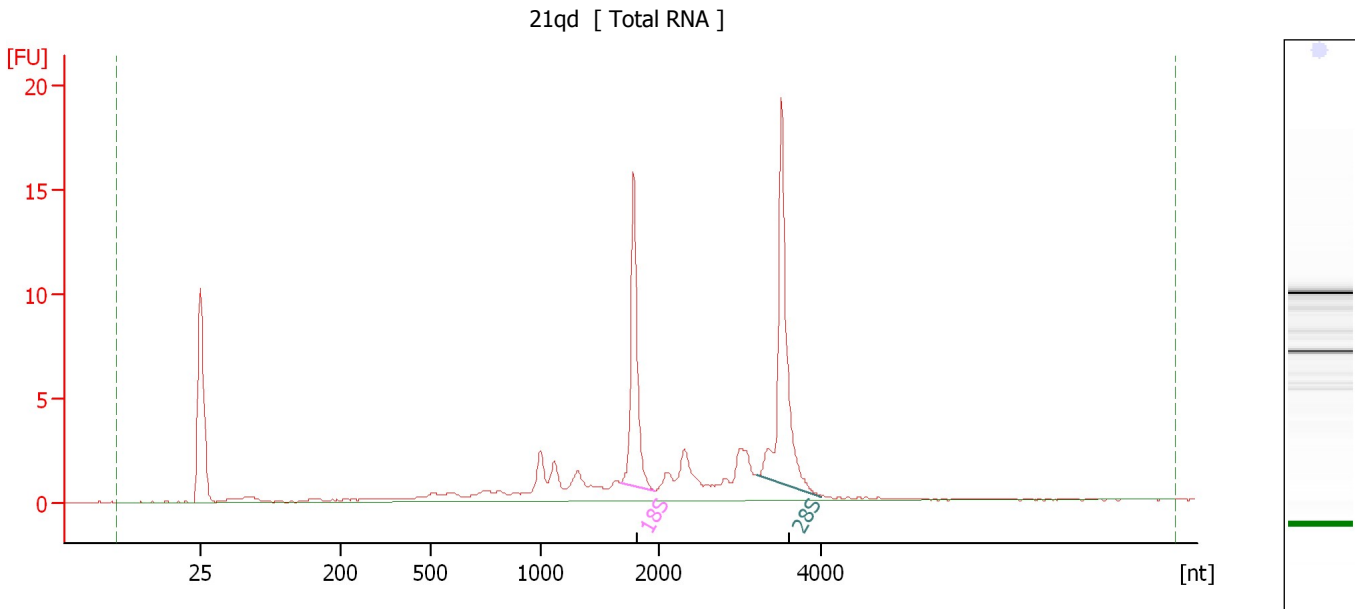
Fragment table for sample 10 : 19qd

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,547	1,940	28.2	23.6
28S	3,194	4,000	43.4	36.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
 Modified: 5/29/2015 4:11:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 21qd

RNA Area:	67.8	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	38 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.10

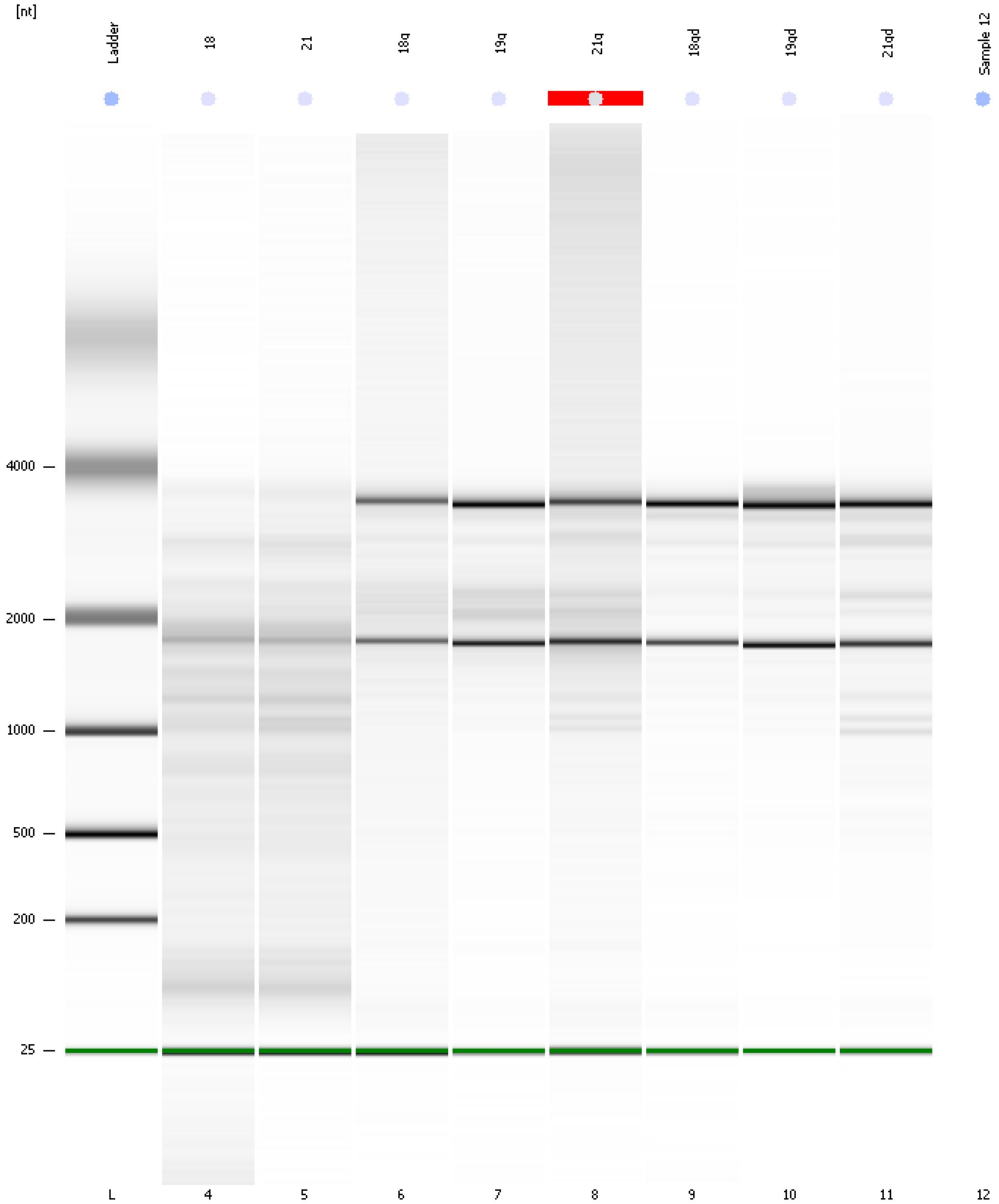
Fragment table for sample 11 : 21qd

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	1,966	12.2	18.0
28S	3,195	4,003	16.8	24.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
Modified: 5/29/2015 4:11:26 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ts and Settings\Bioanalyzer\2015-05-29\2015-05-29_002_2.xad

Created: 5/29/2015 3:31:49 PM
Modified: 5/29/2015 4:11:26 PM

Invalid Samples

Sample 12 has not been run, no results available.