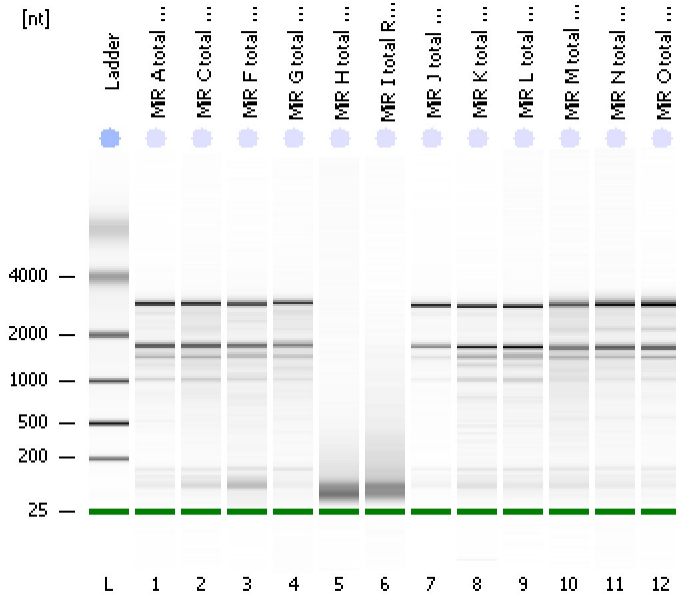


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
Modified: 9/24/2013 10:36:27 AM

Electrophoresis File Run Summary



Instrument Information:

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

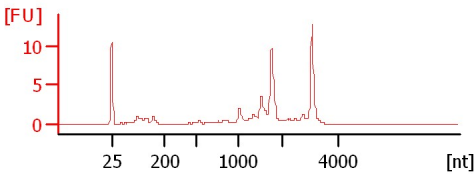
Assay Information:

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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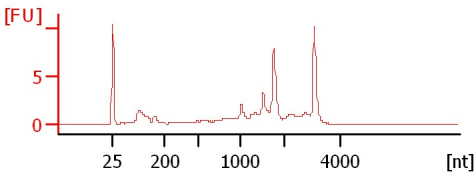
Chip Information:

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

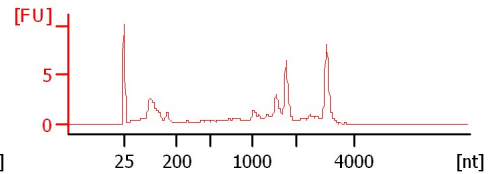
MiR A total RNA 2
RIN: 7.60



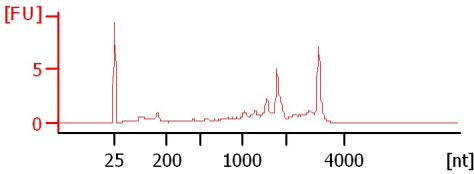
MiR C total RNA 2
RIN: 7.30



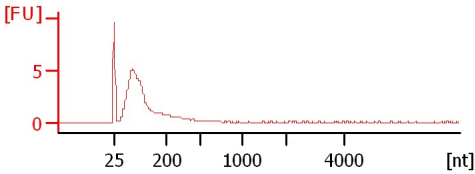
MiR F total RNA 2
RIN: 7.20



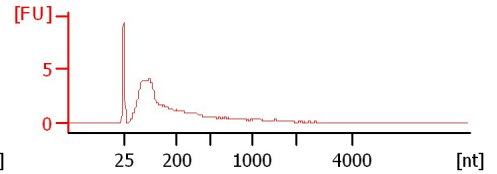
MiR G total RNA 2
RIN: 7.40



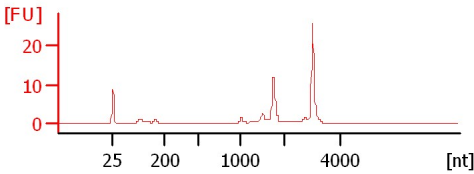
MiR H total RNA 2
RIN: 2.60



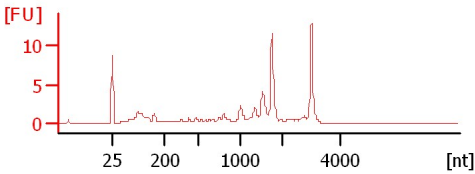
MiR I total RNA 2
RIN: 2.50



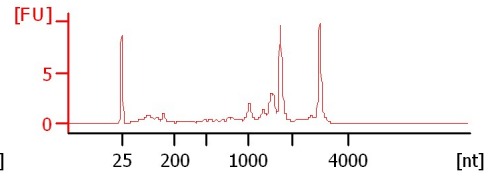
MiR J total RNA 2
RIN: 8.60



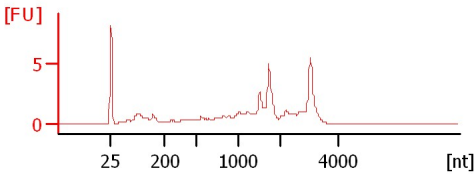
MiR K total RNA 2
RIN: 6.90



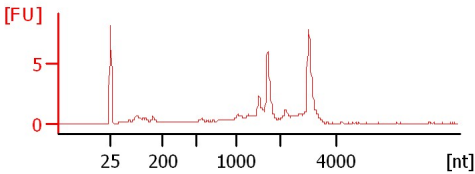
MiR L total RNA 2
RIN: 7



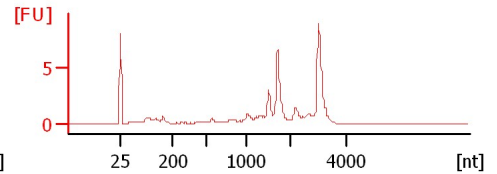
MiR M total RNA 2
RIN: 7.10



MiR N total RNA 2
RIN: 7.80



MiR O total RNA 2
RIN: 7.90



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
MiR A total RNA2		✓	RIN: 7.60	
MiR C total RNA2		✓	RIN: 7.30	
MiR F total RNA 2		✓	RIN: 7.20	
MiR G total RNA 2		✓	RIN: 7.40	
MiR H total RNA 2		✓	RIN: 2.60	
MiR I total RNA 2		✓	RIN: 2.50	
MiR J total RNA 2		✓	RIN: 8.60	
MiR K total RNA 2		✓	RIN: 6.90	
MiR L total RNA 2		✓	RIN:7	
MiR M total RNA 2		✓	RIN: 7.10	
MiR N total RNA 2		✓	RIN: 7.80	
MiR O total RNA 2		✓	RIN: 7.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
Modified: 9/24/2013 10:36:27 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/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

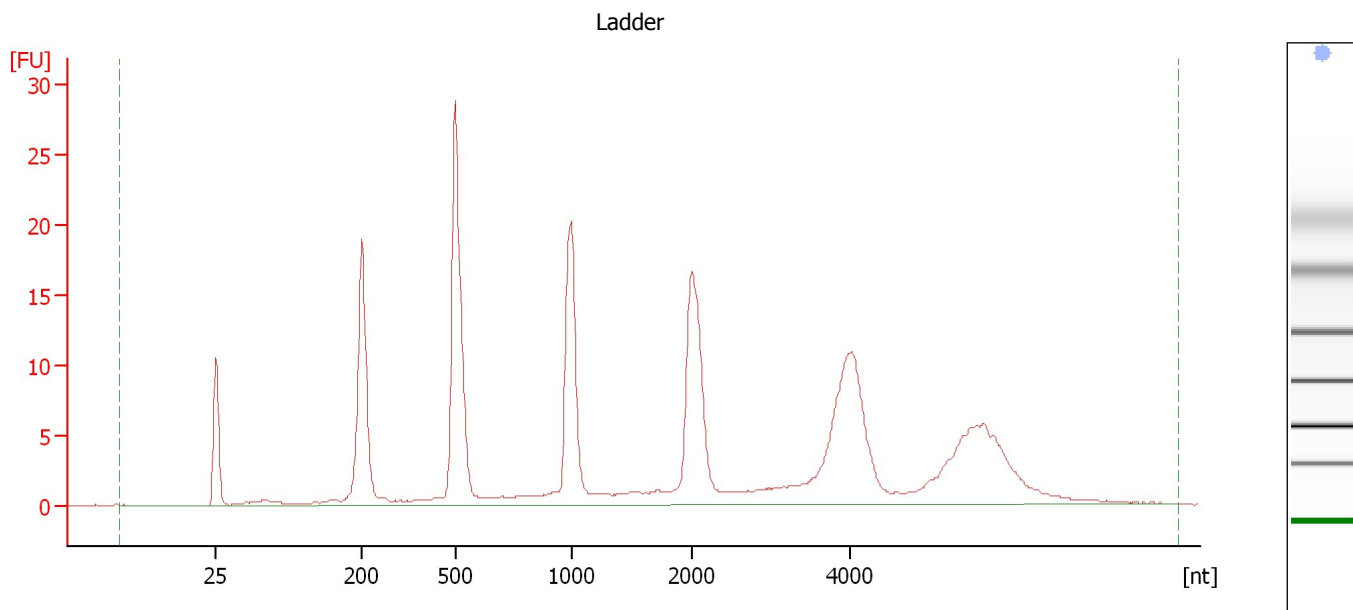
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
Modified: 9/24/2013 10:36:27 AM

Electropherogram Summary



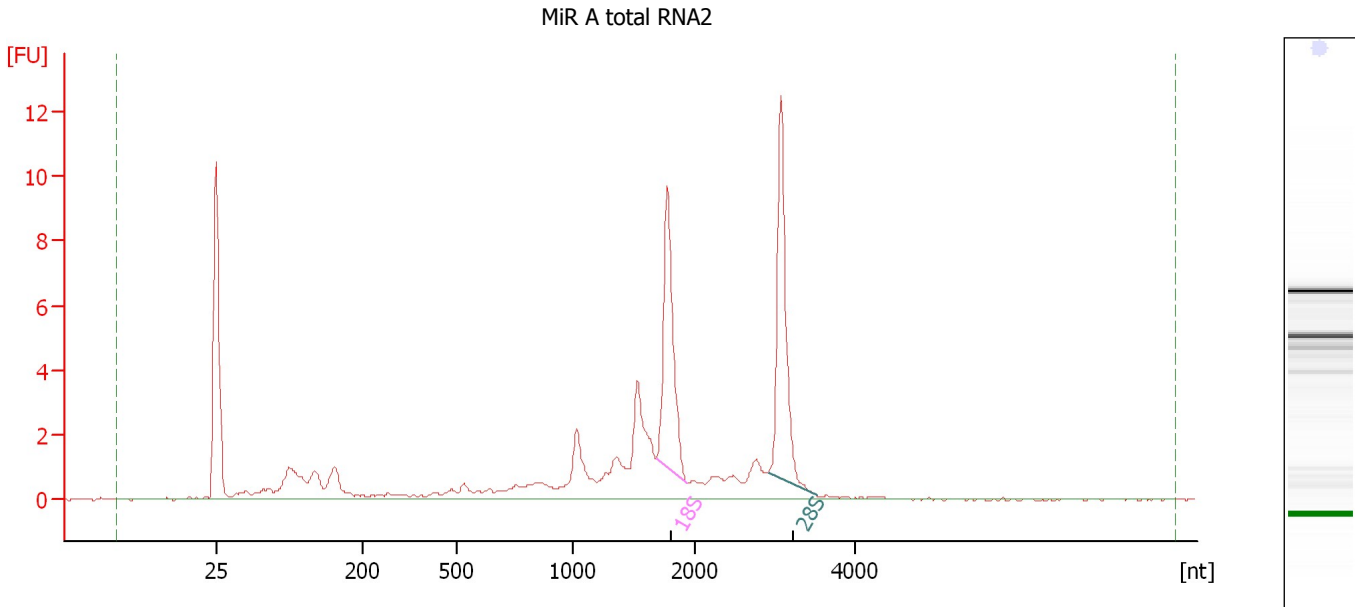
Overall Results for Ladder

RNA Area:	224.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
 Modified: 9/24/2013 10:36:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : MiR A total RNA2

RNA Area:	58.5	RNA Integrity Number (RIN):	7.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	39 ng/μl		
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.60

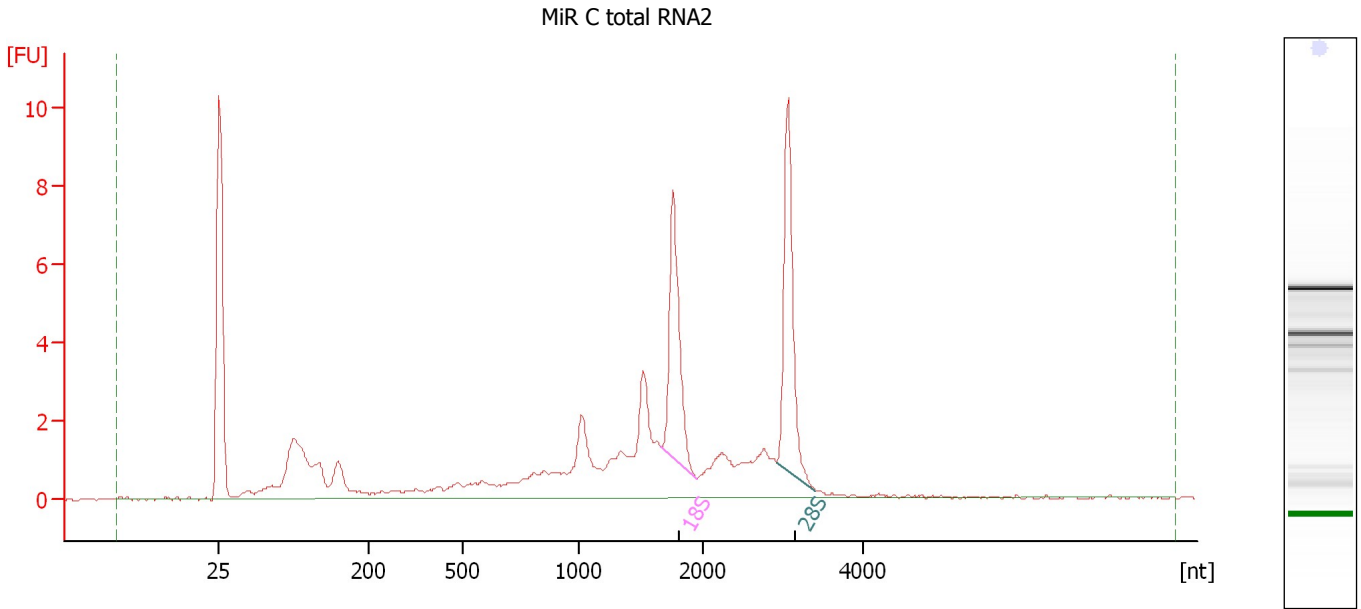
Fragment table for sample 1 : MiR A total RNA2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,679	1,923	10.1	17.2
28S	2,916	3,520	10.9	18.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
Modified: 9/24/2013 10:36:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : MiR C total RNA2

RNA Area: 61.4 RNA Integrity Number (RIN): 7.3 (B.02.08)
RNA Concentration: 41 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 7.30

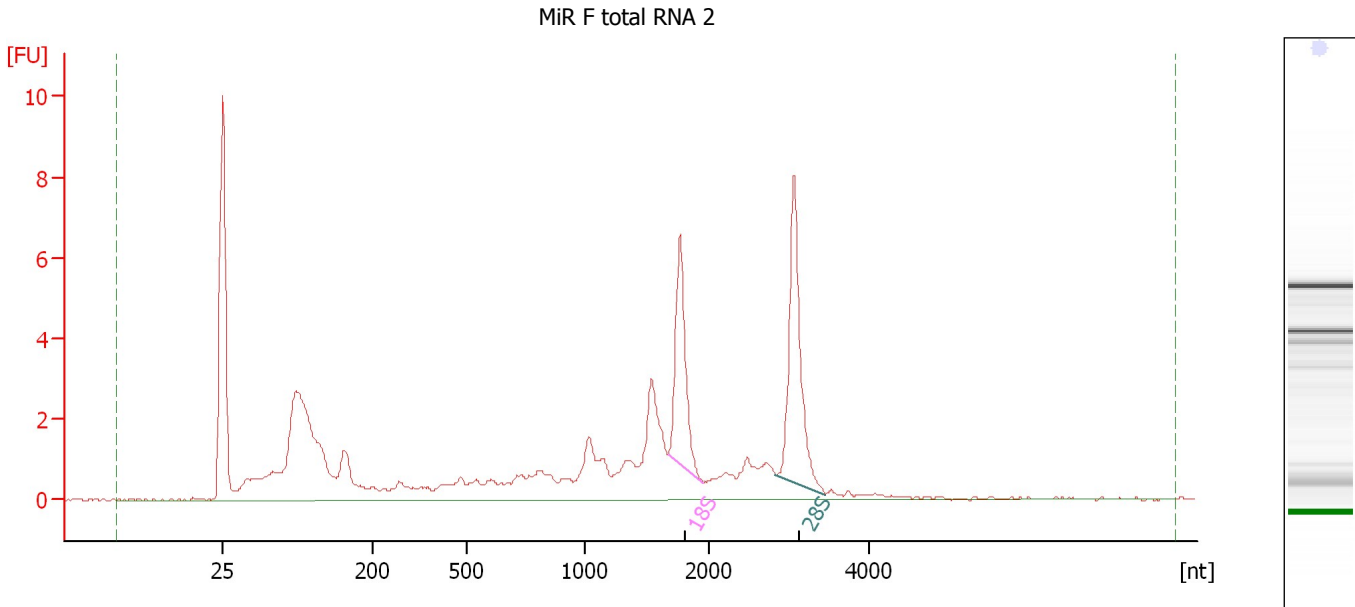
Fragment table for sample 2 : MiR C total RNA2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	1,951	7.8	12.7
28S	2,926	3,420	8.6	13.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
 Modified: 9/24/2013 10:36:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : MiR F total RNA 2

RNA Area:	71.2	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	48 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.20

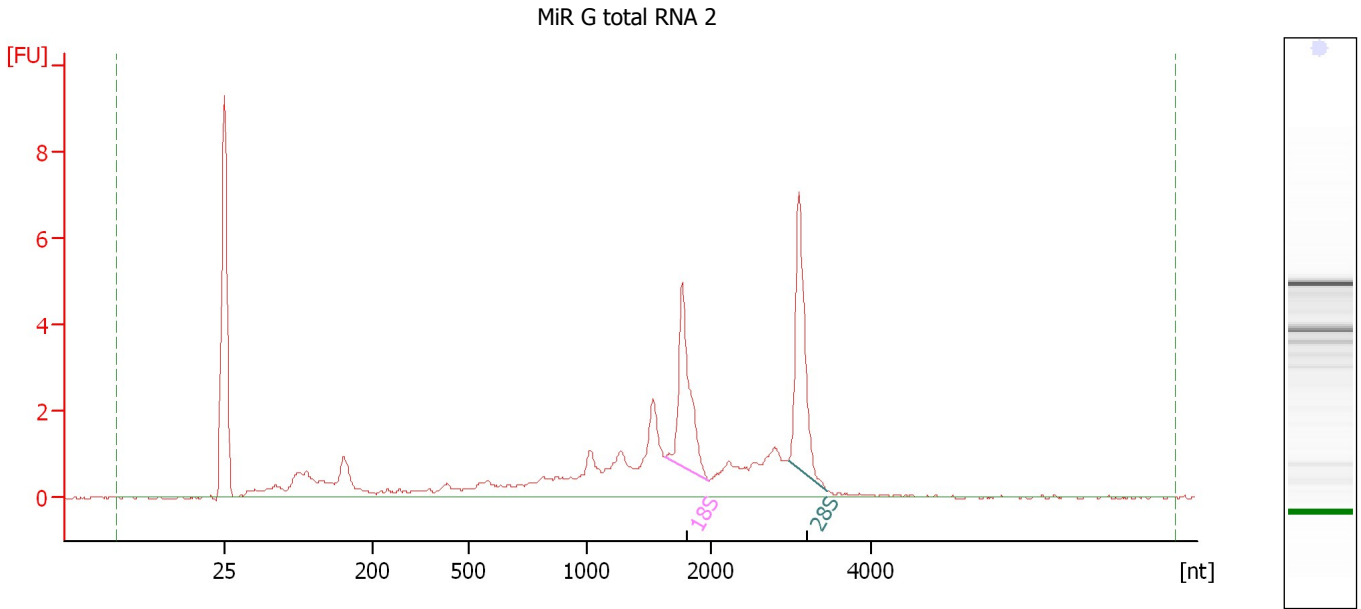
Fragment table for sample 3 : MiR F total RNA 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,678	1,962	6.4	9.0
28S	2,830	3,454	8.9	12.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
Modified: 9/24/2013 10:36:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : MiR G total RNA 2

RNA Area: 44.0 RNA Integrity Number (RIN): 7.4 (B.02.08)
RNA Concentration: 29 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 7.40

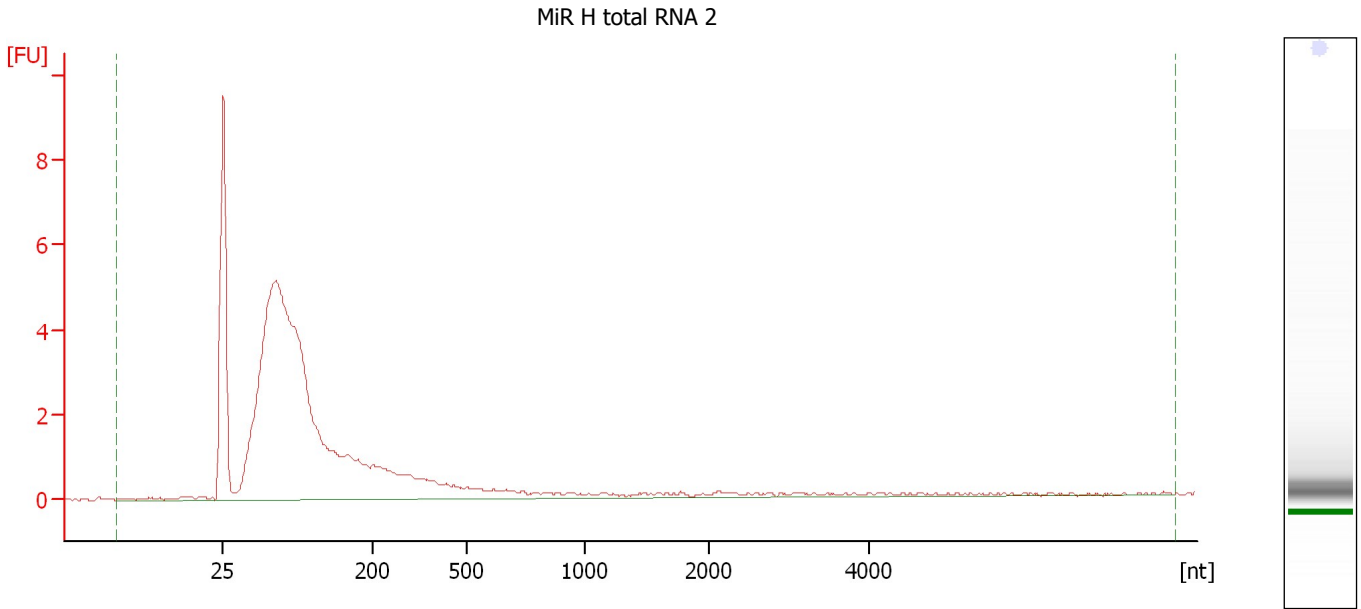
Fragment table for sample 4 : MiR G total RNA 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,636	1,988	5.4	12.3
28S	2,962	3,452	6.2	14.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
Modified: 9/24/2013 10:36:27 AM

Electropherogram Summary Continued ...



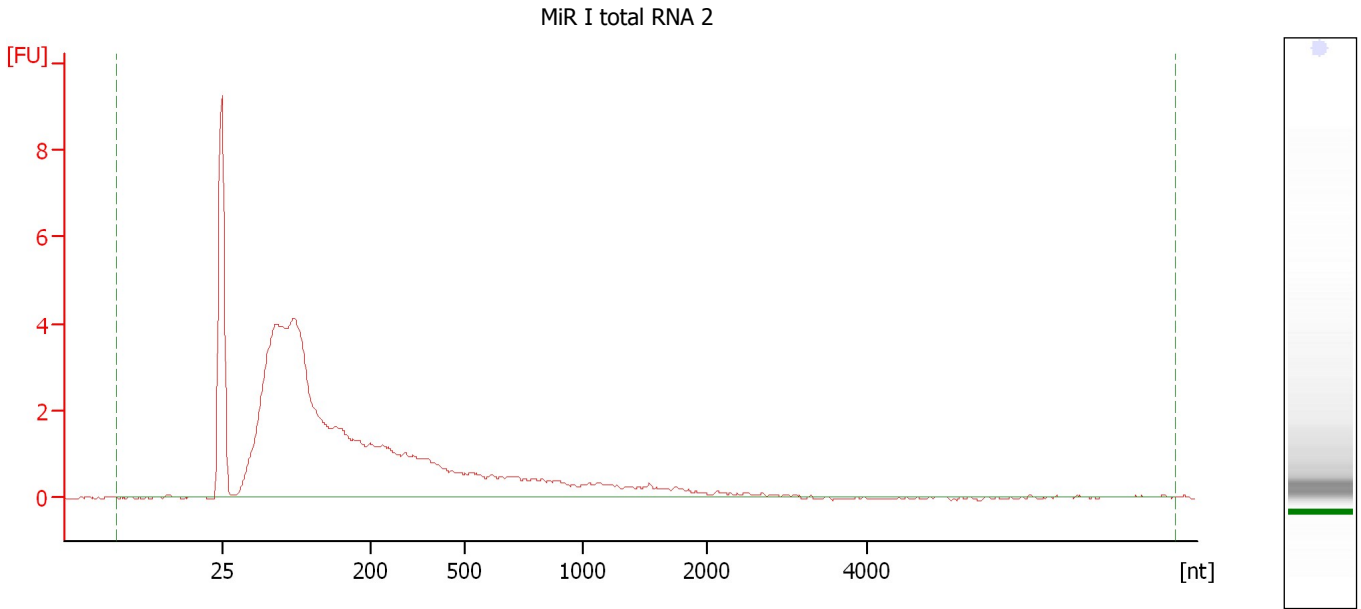
Overall Results for sample 5 : MiR H total RNA 2

RNA Area:	64.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	43 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
Modified: 9/24/2013 10:36:27 AM

Electropherogram Summary Continued ...



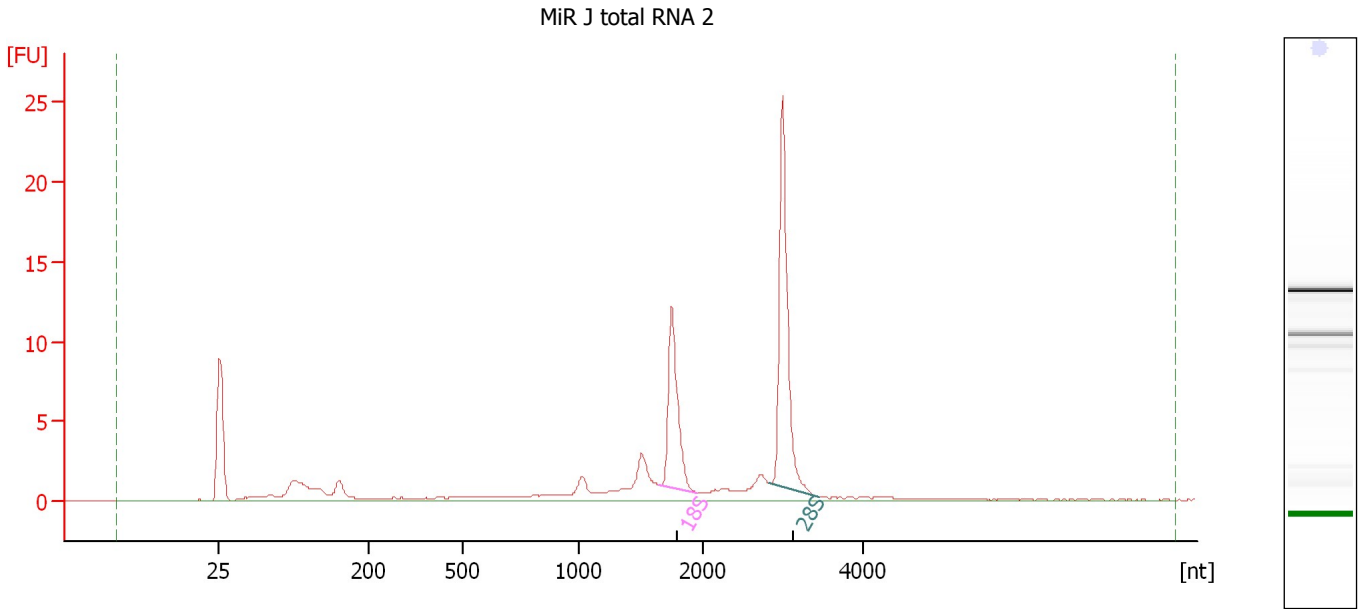
Overall Results for sample 6 : MiR I total RNA 2

RNA Area:	69.5	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	46 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
Modified: 9/24/2013 10:36:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : MiR J total RNA 2

RNA Area:	74.5	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	50 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.60

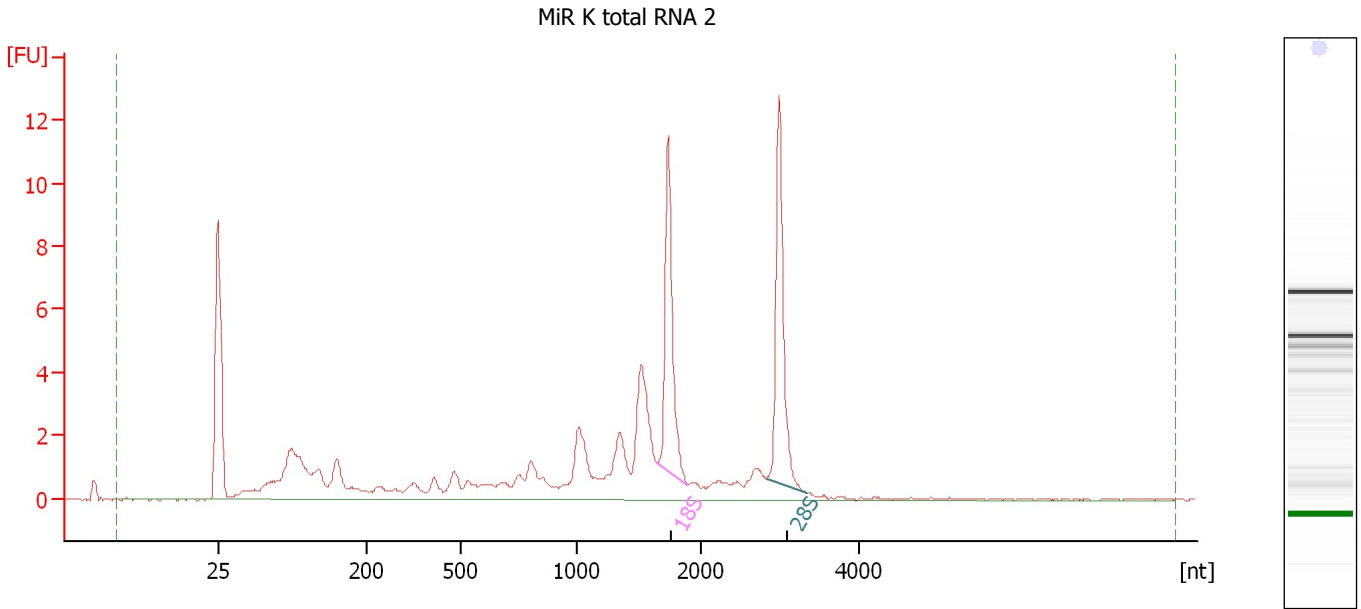
Fragment table for sample 7 : MiR J total RNA 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,657	1,951	12.4	16.6
28S	2,846	3,460	21.1	28.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
Modified: 9/24/2013 10:36:27 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : MiR K total RNA 2

RNA Area: 70.4 RNA Integrity Number (RIN): 6.9 (B.02.08)
RNA Concentration: 47 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 6.90

Fragment table for sample 8 : MiR K total RNA 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,655	1,898	9.5	13.4
28S	2,833	3,328	10.1	14.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-24\2013-09-24_001.xad

Created: 9/24/2013 10:11:50 AM
Modified: 9/24/2013 10:36:27 AM

Gel Image

