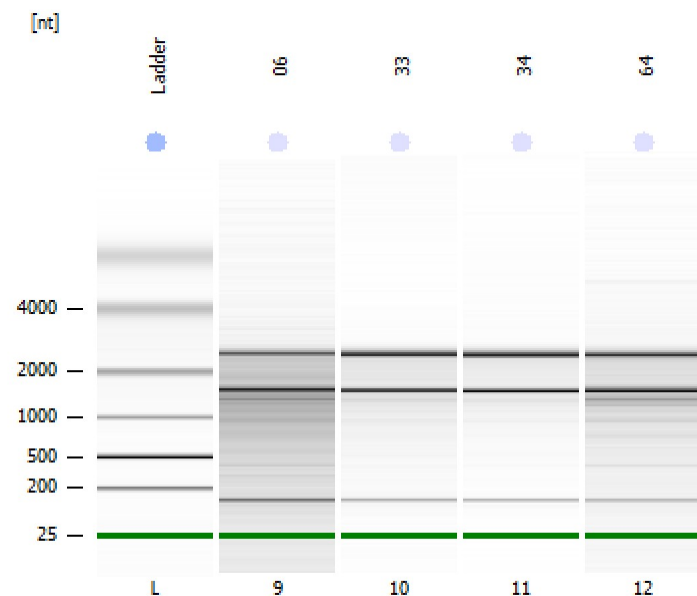


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-15\QC2386.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:06:36 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

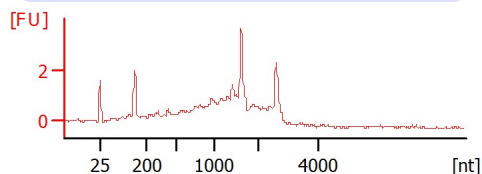
Assay Information:

Assay Origin Path: C:\Program Files (x86)\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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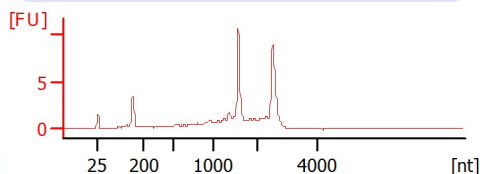
Chip Information:

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

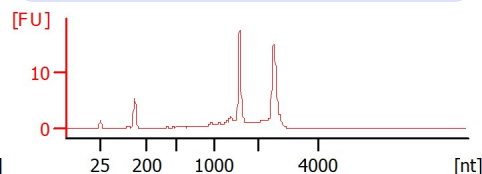
QC2386
RIN: 5.50



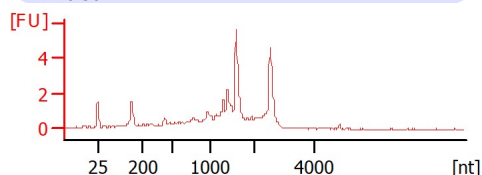
QC2386
RIN: 7.30



QC2386
RIN: 8



QC2386
RIN: 6.50



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-15\QC2386.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:06:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
06	QC2386	✓	RIN: 5.50	
33	QC2386	✓	RIN: 7.30	
34	QC2386	✓	RIN:8	
64	QC2386	✓	RIN: 6.50	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-15\QC2386.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:06:36 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/ 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

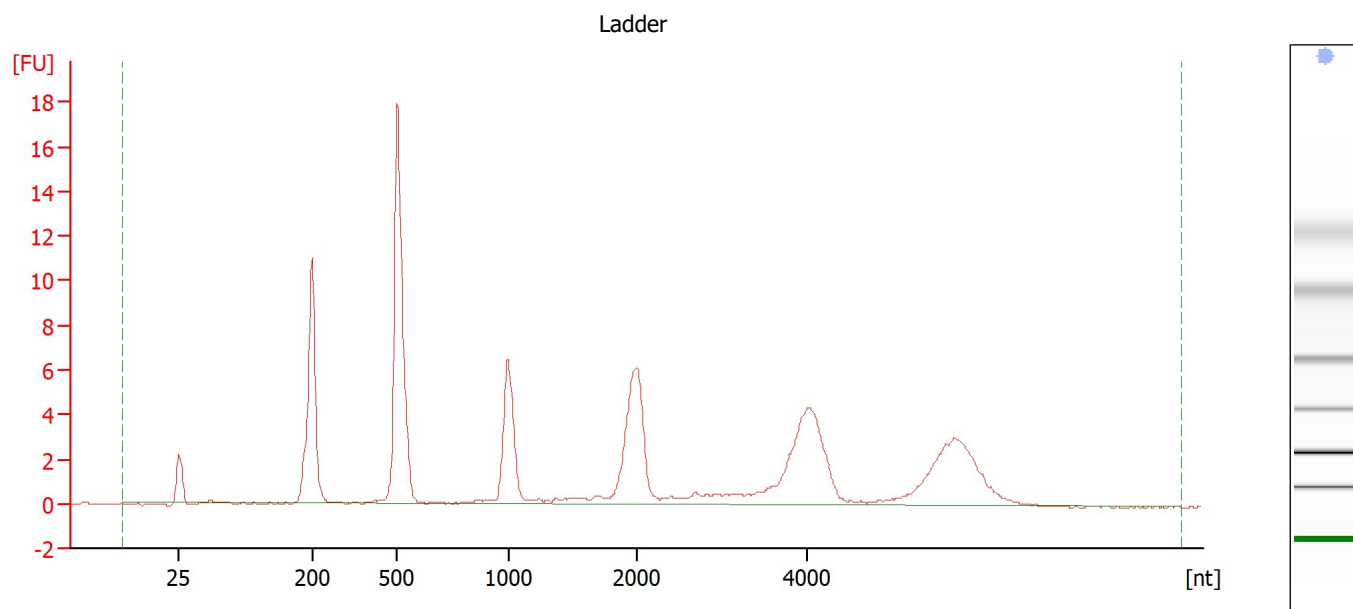
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-15\QC2386.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:06:36 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 102.7

Result Flagging Color:



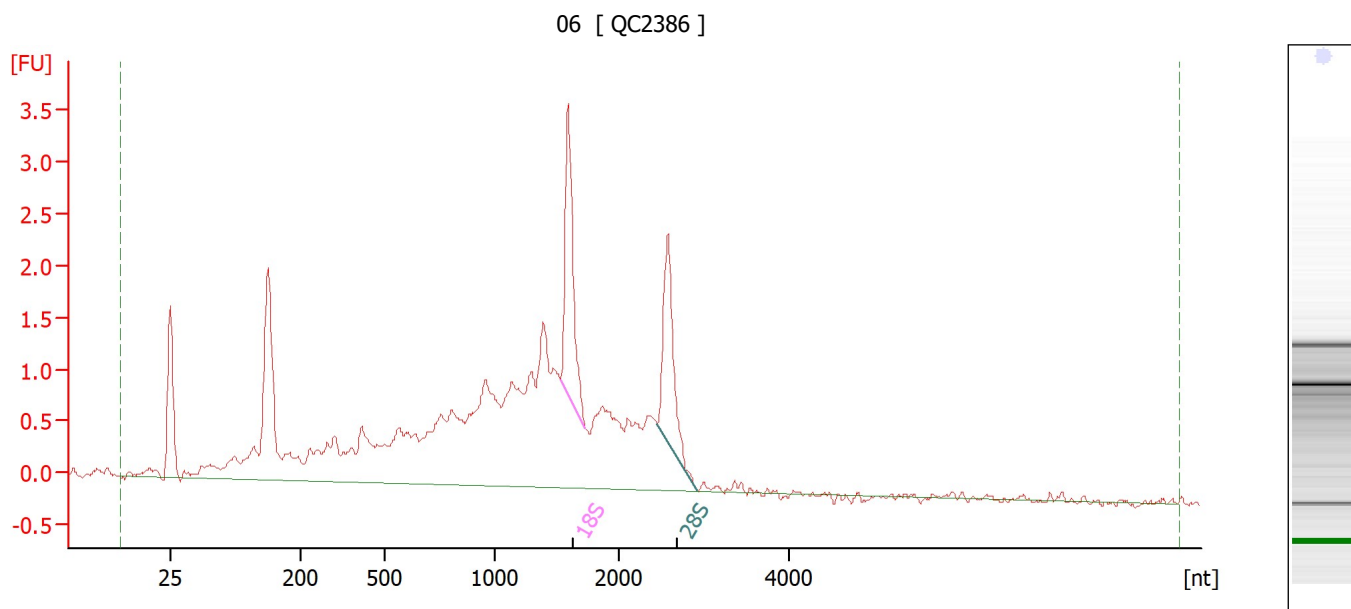
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-15\QC2386.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:06:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 06**

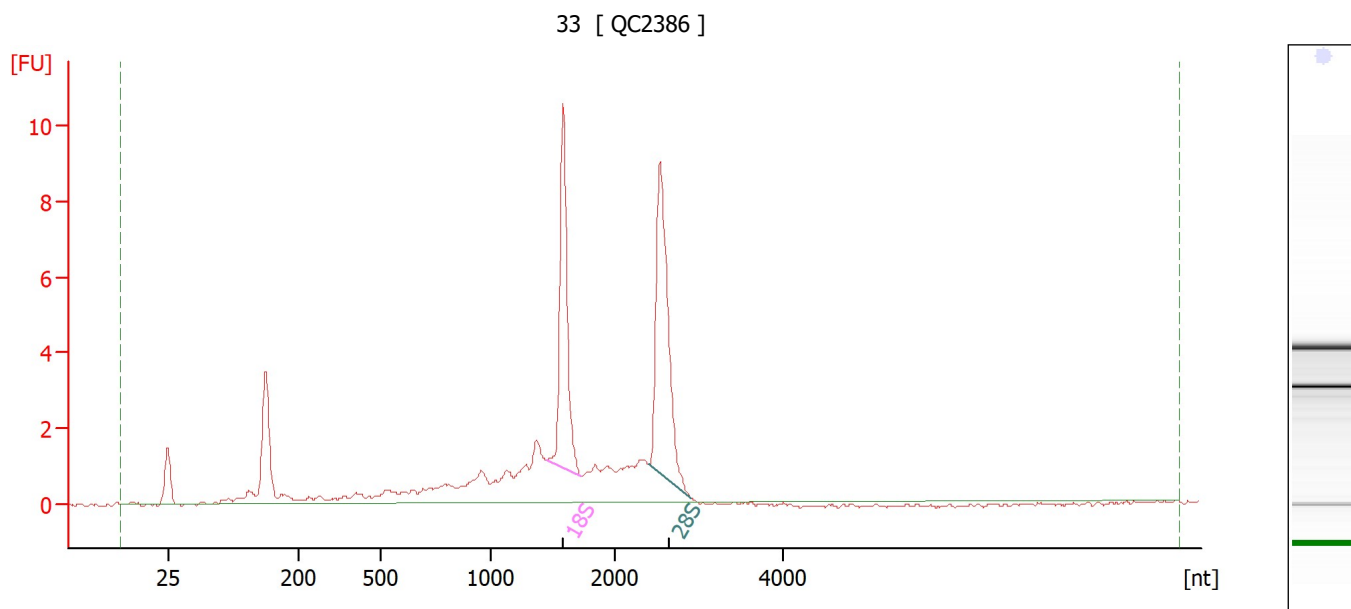
RNA Area:	42.1	RNA Integrity Number (RIN):	5.5 (B.02.10)
RNA Concentration:	61 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 5.50

Fragment table for sample 9 : 06

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,528	1,733	2.9	6.8
28S	2,451	2,918	2.3	5.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-15\QC2386.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:06:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 33**

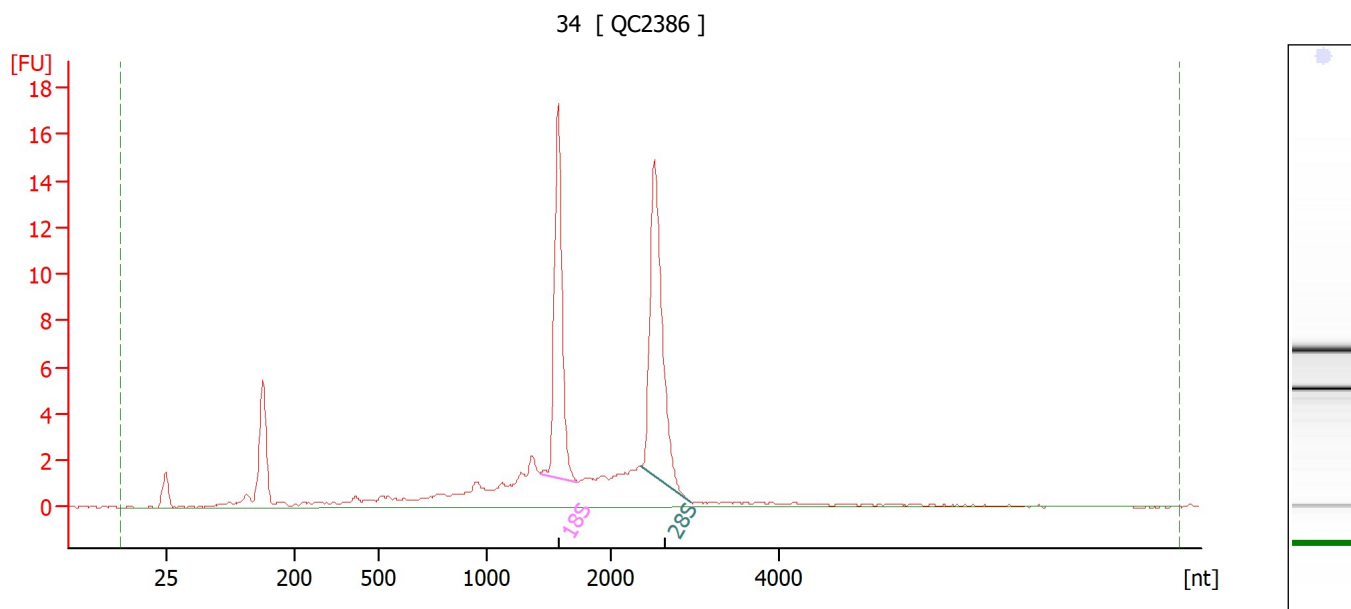
RNA Area:	57.6	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	84 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.30

Fragment table for sample 10 : 33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,456	1,722	9.7	16.8
28S	2,401	2,908	11.8	20.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-15\QC2386.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:06:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 34**

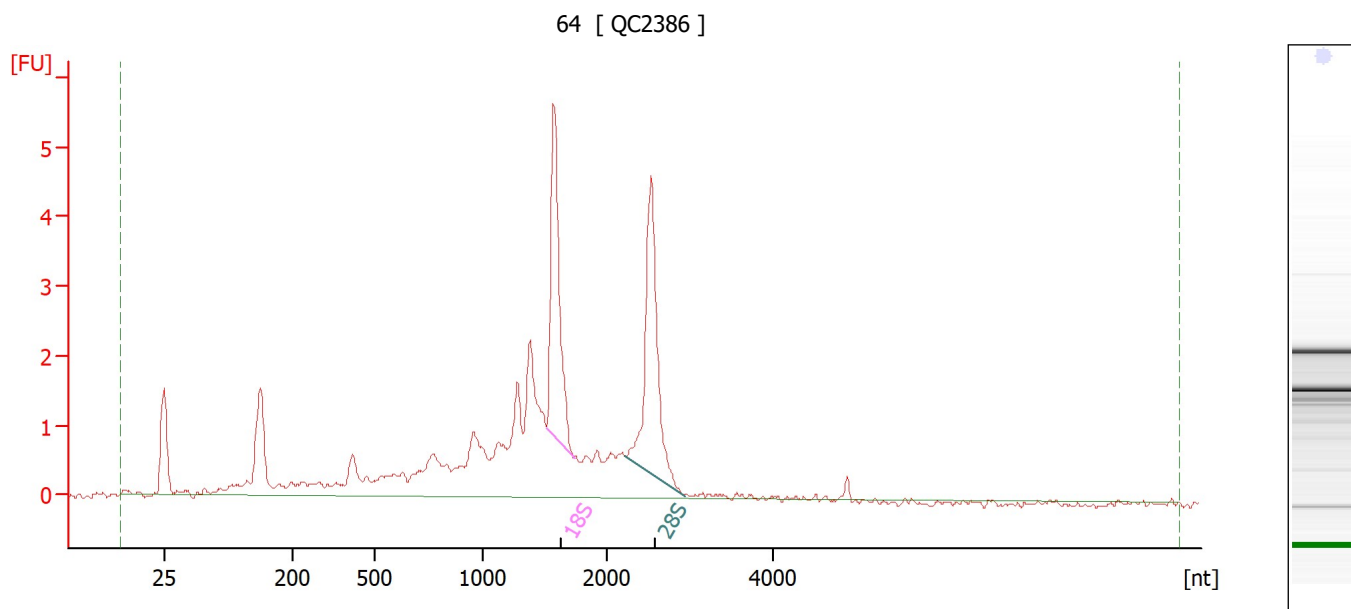
RNA Area:	87.7	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	128 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN:8

Fragment table for sample 11 : 34

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,427	1,729	16.3	18.6
28S	2,351	2,963	20.4	23.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-15\QC2386.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:06:36 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : 64**

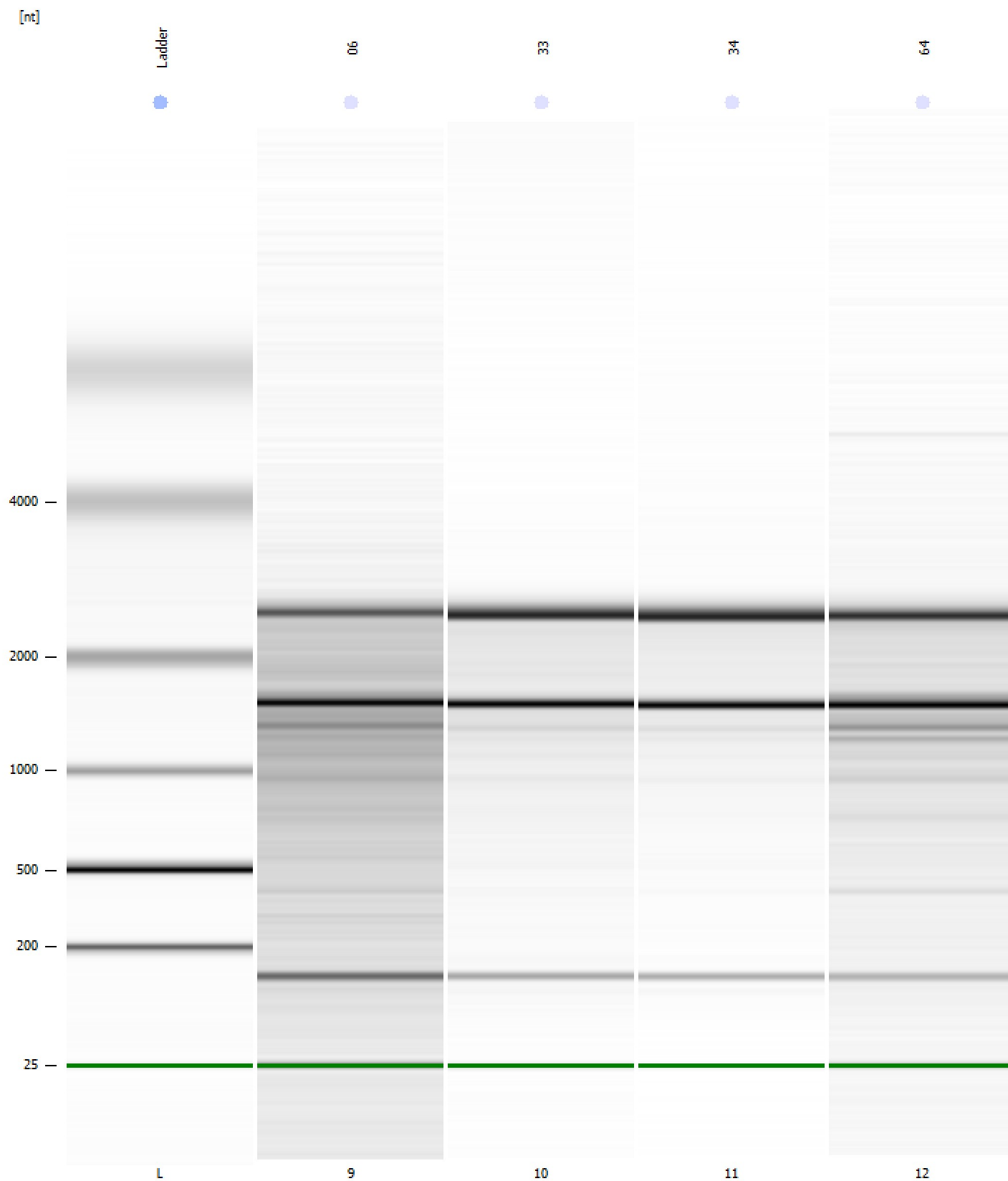
RNA Area:	42.2	RNA Integrity Number (RIN):	6.5 (B.02.10)
RNA Concentration:	62 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.50

Fragment table for sample 12 : 64

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,511	1,736	5.3	12.6
28S	2,224	2,928	6.1	14.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-15\QC2386.xad

Created: 12/15/2025 3:30:33 PM
Modified: 12/15/2025 4:06:36 PM

Gel Image

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2025-12-15\QC2386.xad

Created: 12/15/2025 3:30:33 PM
 Modified: 12/15/2025 4:06:36 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		12/15/2025 3:54:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-12-15\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2025-12-15_001.xad)		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/15/2025 3:30:40 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB