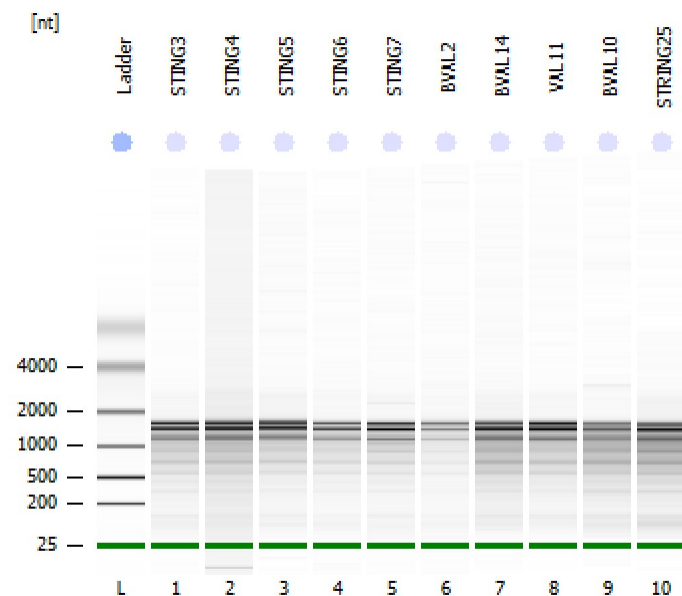


Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electrophoresis File Run Summary



Instrument Information:

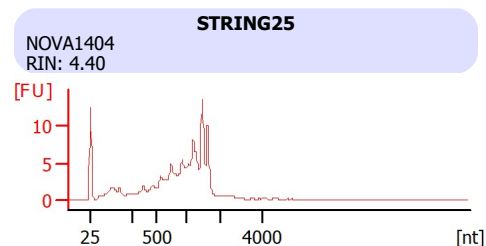
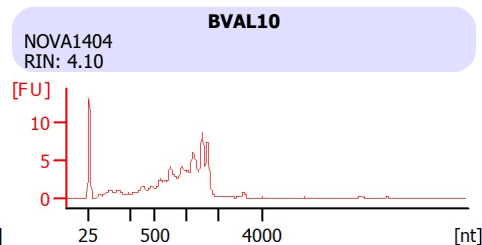
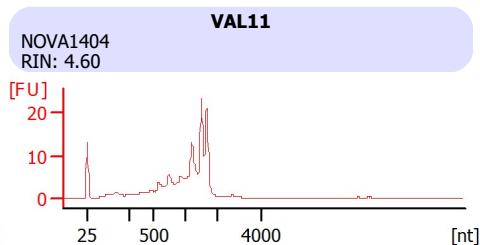
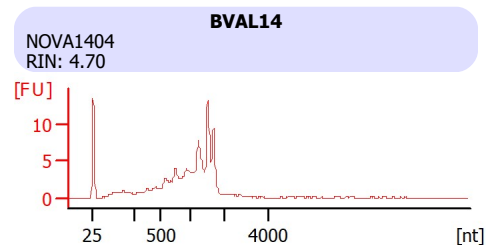
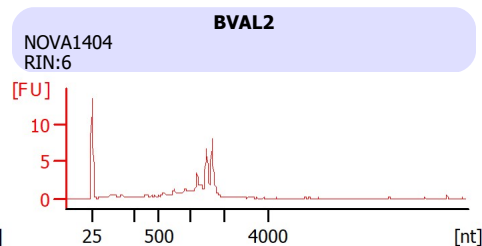
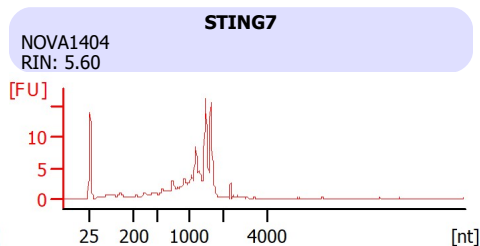
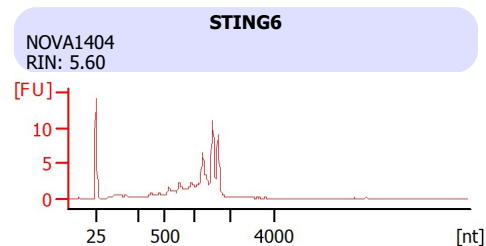
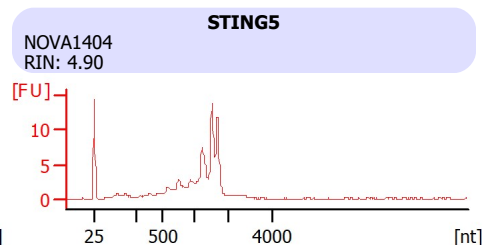
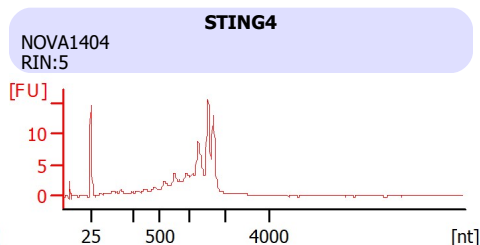
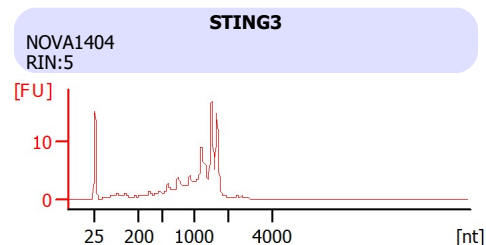
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Prokaryote Total RNA Nano Series II.xsy
Assay Class: Prokaryote Total RNA Nano
Version: 2.5
Assay Comments: Total RNA Analysis ng sensitivity (Prokaryote)
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Chip Information:

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



Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
STING3	NOVA1404	✓	RIN:5	
STING4	NOVA1404	✓	RIN:5	
STING5	NOVA1404	✓	RIN: 4.90	
STING6	NOVA1404	✓	RIN: 5.60	
STING7	NOVA1404	✓	RIN: 5.60	
BVAL2	NOVA1404	✓	RIN:6	
BVAL14	NOVA1404	✓	RIN: 4.70	
VAL11	NOVA1404	✓	RIN: 4.60	
BVAL10	NOVA1404	✓	RIN: 4.10	
STRING25	NOVA1404	✓	RIN: 4.40	
Ladder		✓	All Other Samples	

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

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 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

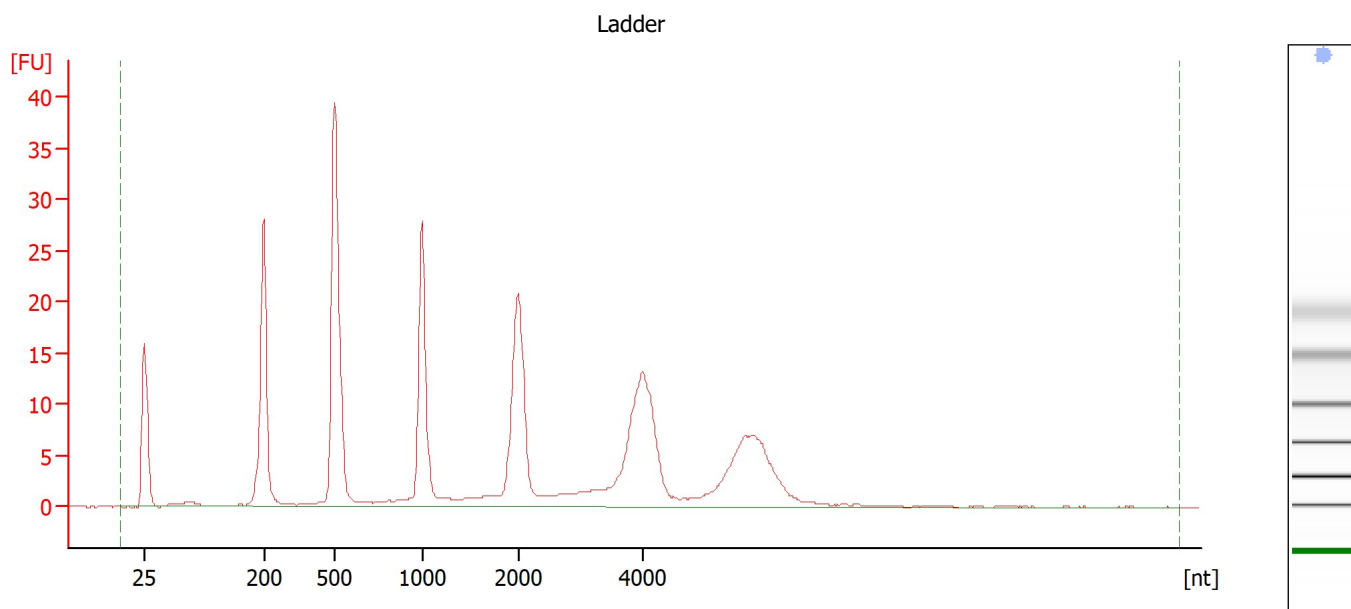
Ladder

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

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 273.6

Result Flagging Color:



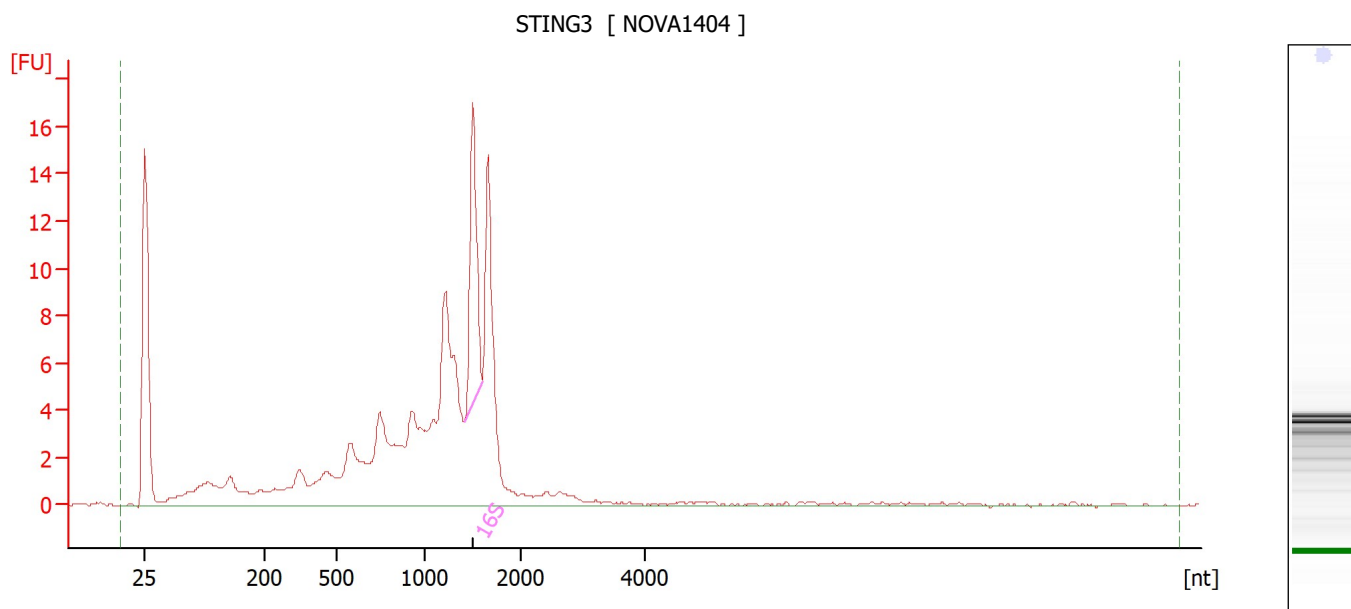
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : STING3**

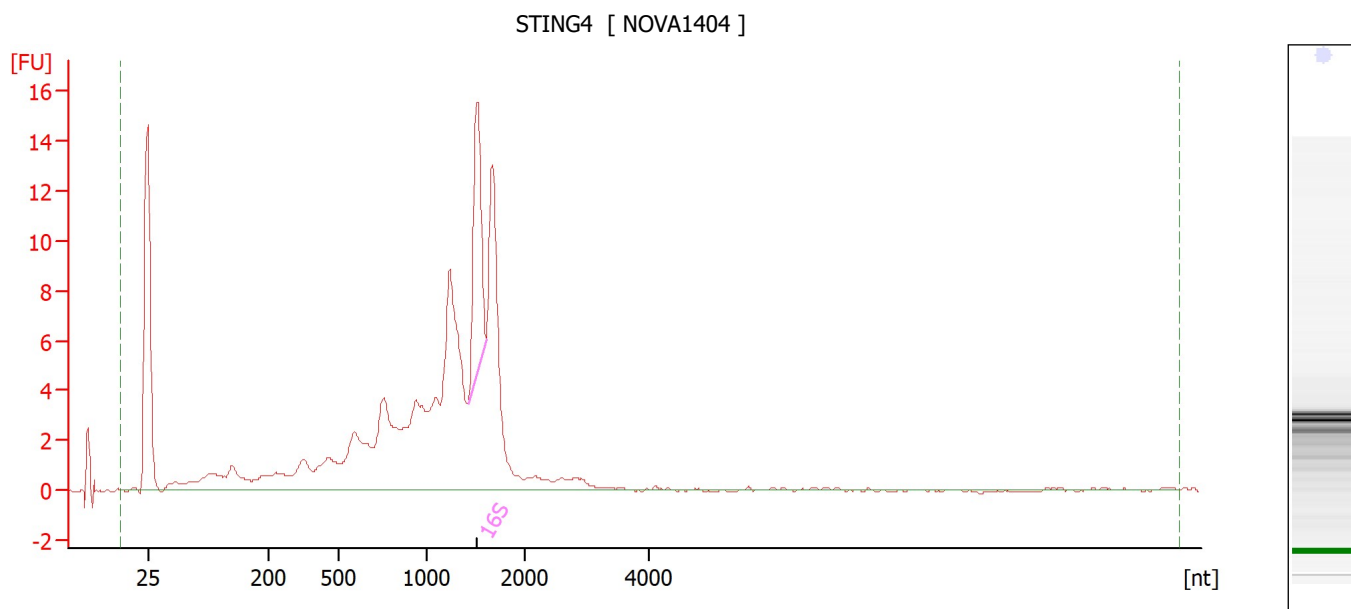
RNA Area:	132.9	RNA Integrity Number (RIN):	5 (B.02.10)
RNA Concentration:	73 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN:5

Fragment table for sample 1 : STING3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,414	1,602	12.1	9.1

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : STING4**

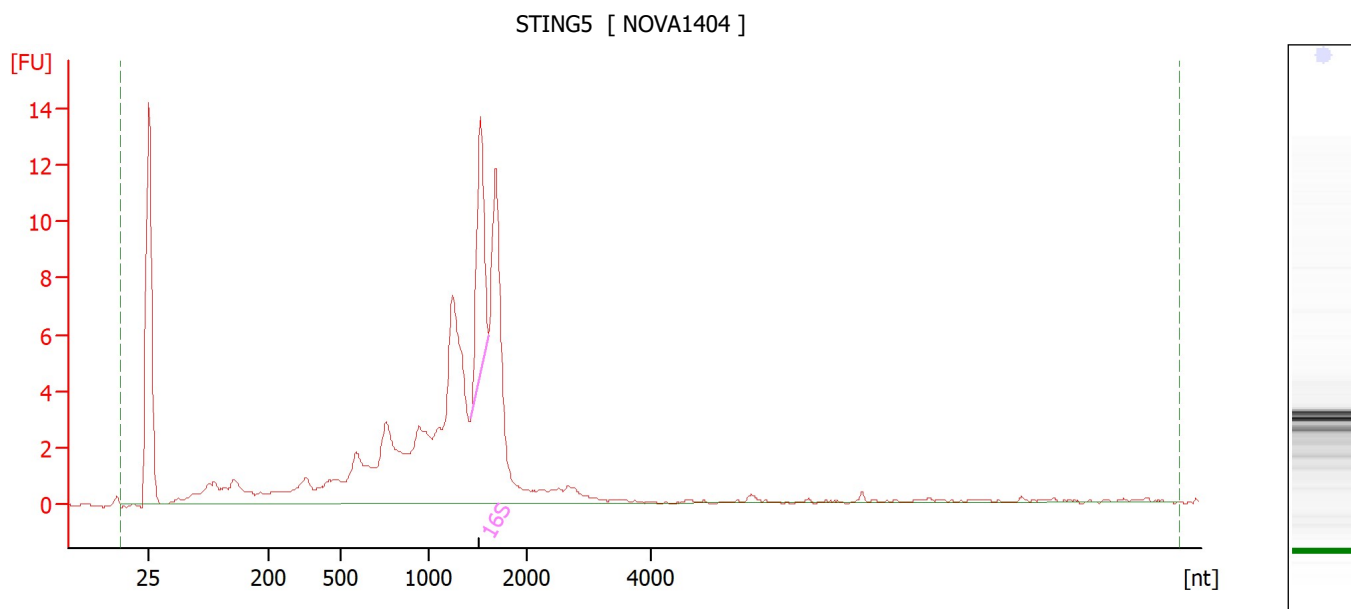
RNA Area:	125.4	RNA Integrity Number (RIN):	5 (B.02.10)
RNA Concentration:	69 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN:5

Fragment table for sample 2 : STING4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,420	1,607	11.6	9.3

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : STING5**

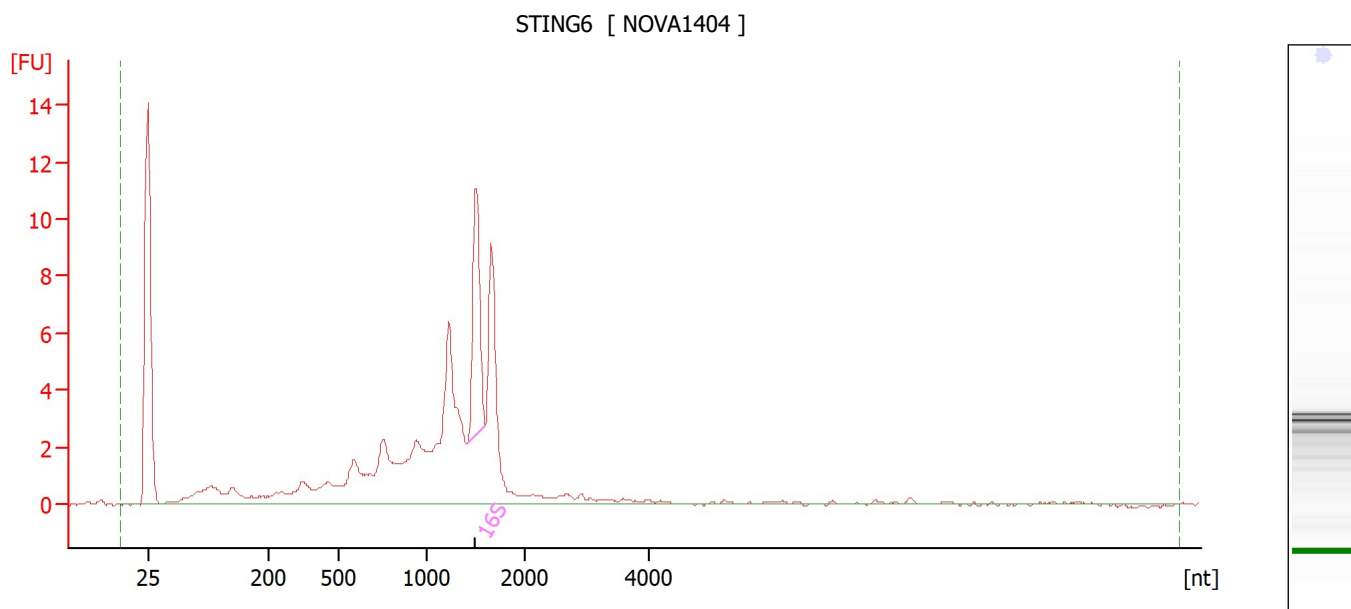
RNA Area:	107.8	RNA Integrity Number (RIN):	4.9 (B.02.10)
RNA Concentration:	59 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 4.90

Fragment table for sample 3 : STING5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,434	1,610	9.7	9.0

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : STING6**

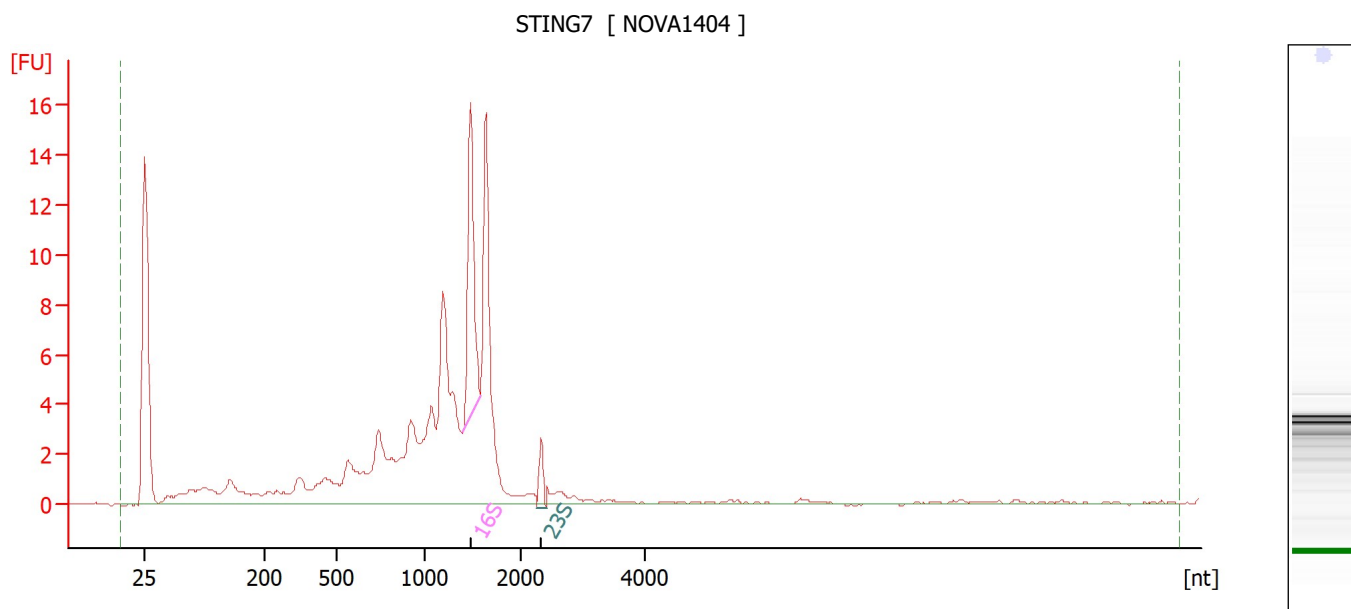
RNA Area:	75.9	RNA Integrity Number (RIN):	5.6 (B.02.10)
RNA Concentration:	42 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 5.60

Fragment table for sample 4 : STING6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,409	1,596	8.5	11.2

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : STING7**

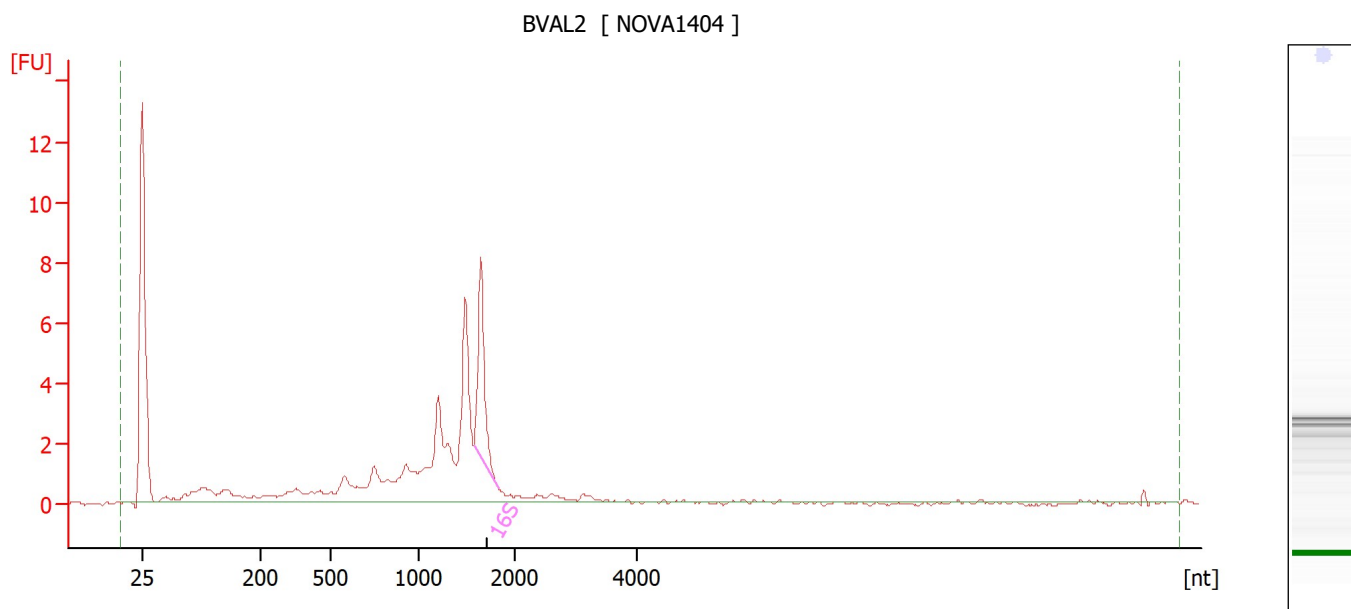
RNA Area:	108.1	RNA Integrity Number (RIN):	5.6 (B.02.10)
RNA Concentration:	59 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.1	Result Flagging Label:	RIN: 5.60

Fragment table for sample 5 : STING7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,403	1,580	11.6	10.7
23S	2,277	2,415	1.5	1.4

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : BVAL2**

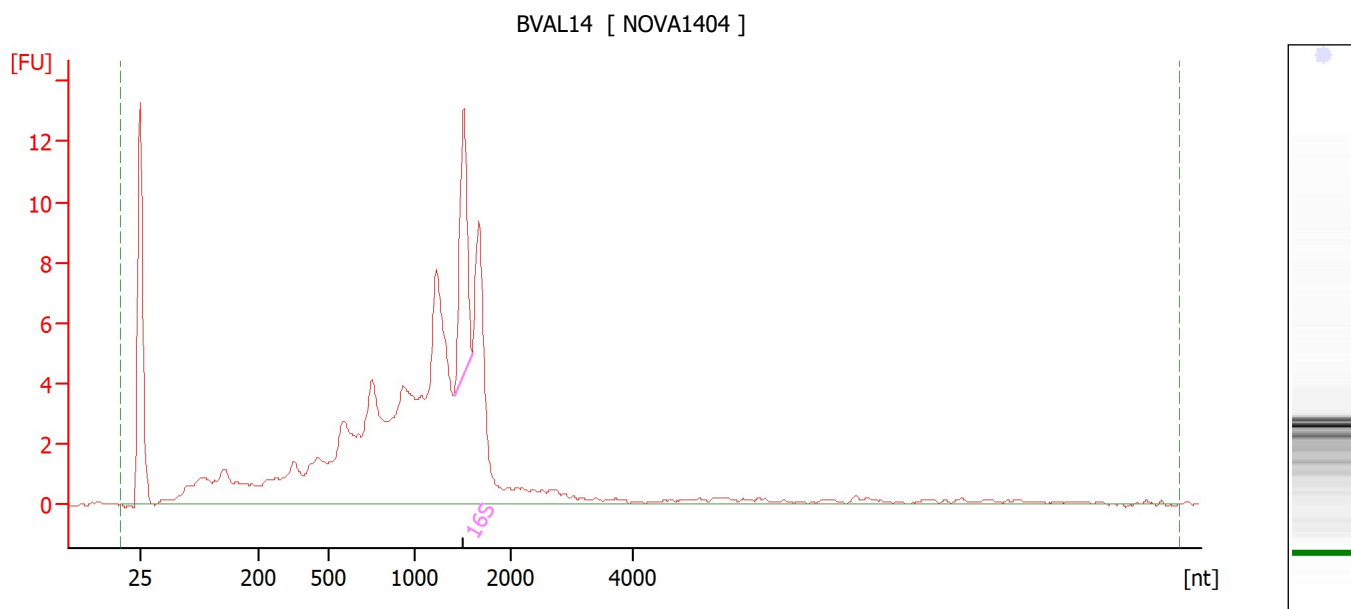
RNA Area:	48.0	RNA Integrity Number (RIN):	6 (B.02.10)
RNA Concentration:	26 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN:6

Fragment table for sample 6 : BVAL2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,583	1,829	6.3	13.1

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : BVAL14**

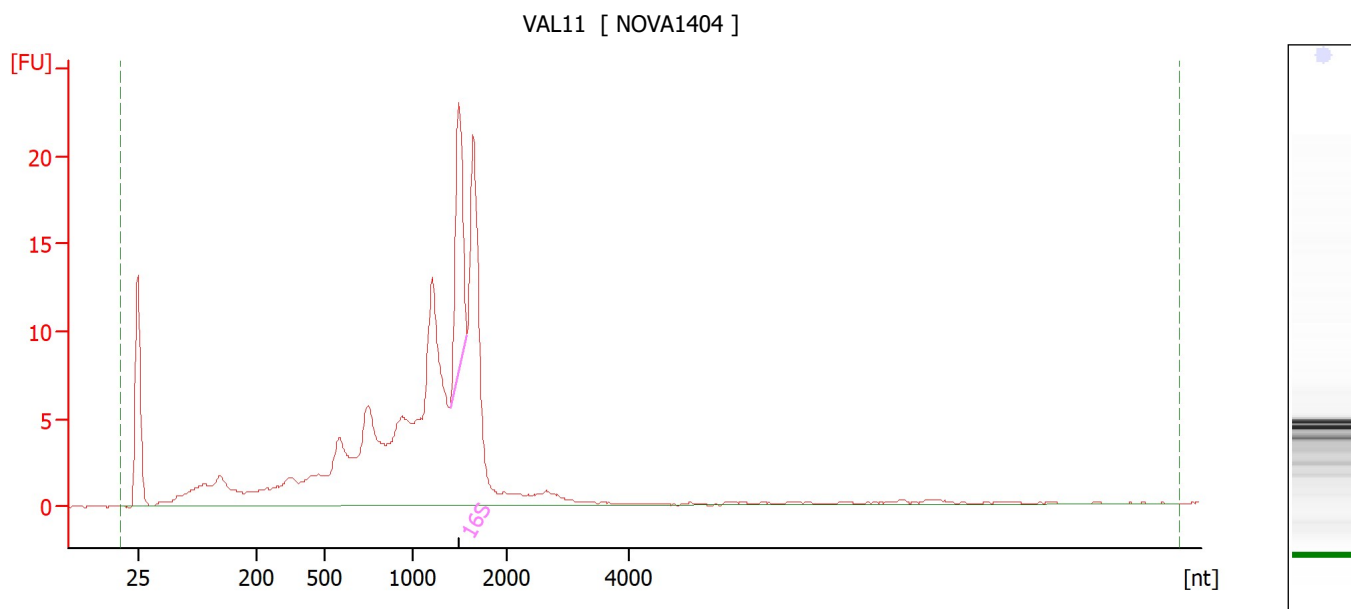
RNA Area:	131.8	RNA Integrity Number (RIN):	4.7 (B.02.10)
RNA Concentration:	72 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 4.70

Fragment table for sample 7 : BVAL14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,409	1,600	9.6	7.3

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : VAL11**

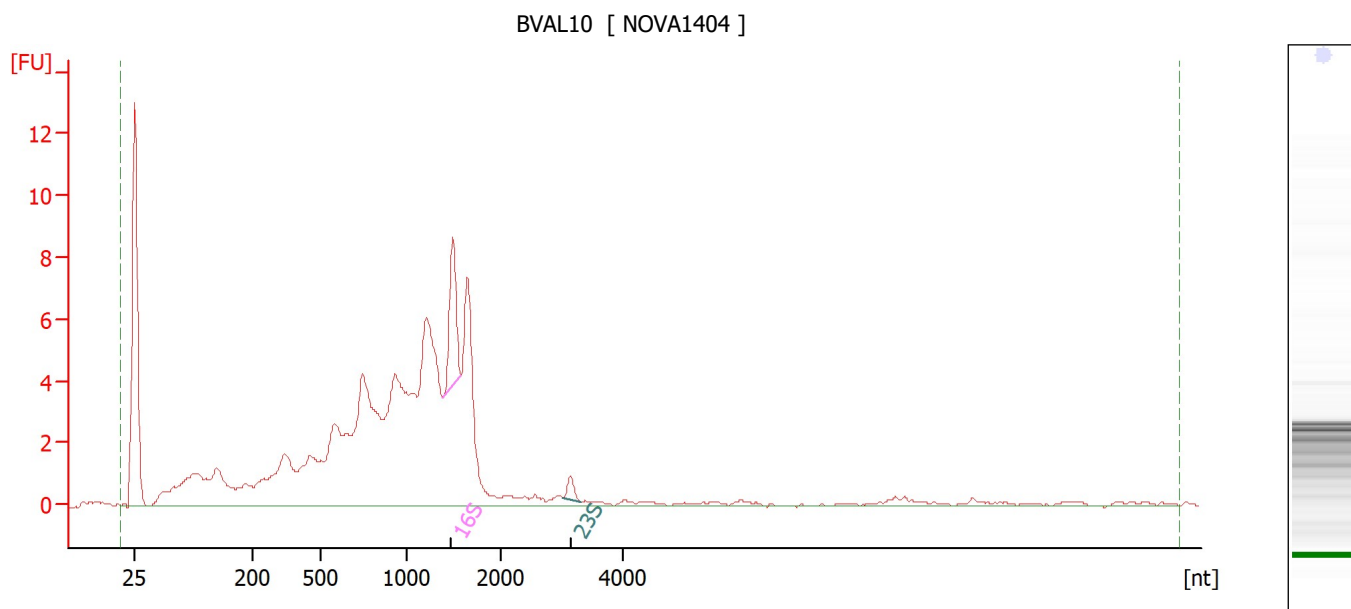
RNA Area:	192.0	RNA Integrity Number (RIN):	4.6 (B.02.10)
RNA Concentration:	105 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 4.60

Fragment table for sample 8 : VAL11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,403	1,583	15.9	8.3

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : BVAL10**

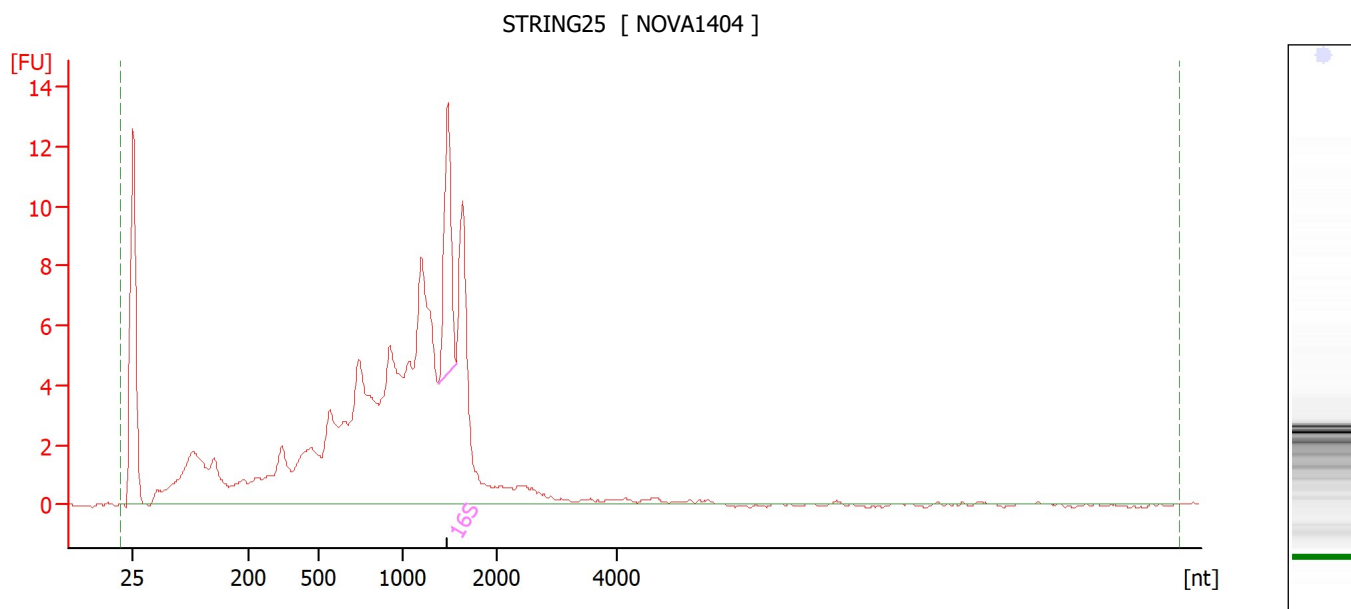
RNA Area:	120.1	RNA Integrity Number (RIN):	4.1 (B.02.10)
RNA Concentration:	66 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.1	Result Flagging Label:	RIN: 4.10

Fragment table for sample 9 : BVAL10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,393	1,575	5.2	4.3
23S	3,033	3,333	0.6	0.5

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : STRING25**

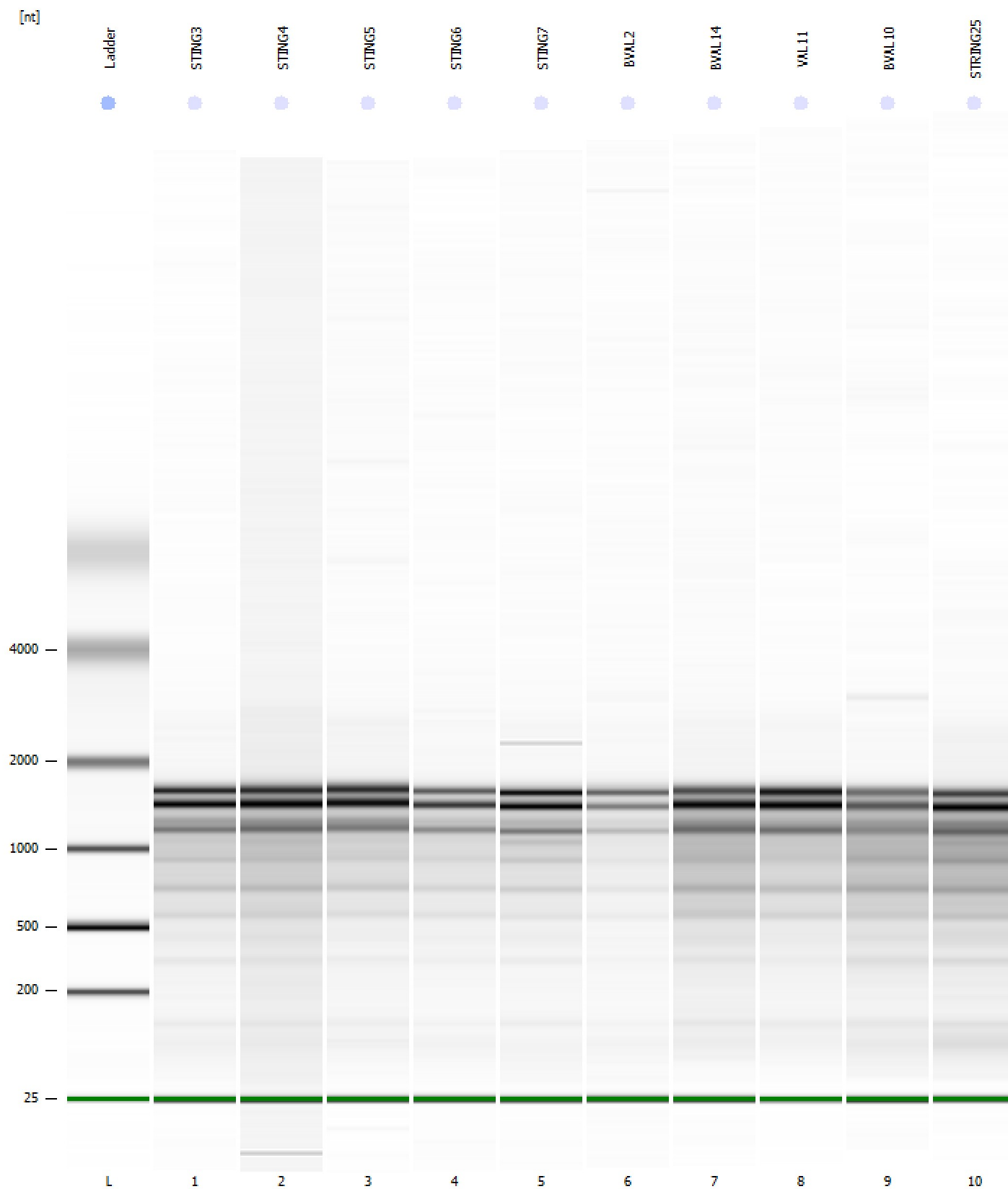
RNA Area:	147.2	RNA Integrity Number (RIN):	4.4 (B.02.10)
RNA Concentration:	81 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 4.40

Fragment table for sample 10 : STRING25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,376	1,570	9.4	6.4

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
Modified: 9/24/2025 1:48:37 PM

Gel Image

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-24\NOVA1404_RNA_QC.xad

Created: 9/24/2025 1:18:52 PM
 Modified: 9/24/2025 1:48:37 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		9/24/2025 1:41:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-09-24\Bioanalyzer1_Prokaryote Total RNA Nano_DE34903152_2025-09-24_001.xad)		Instrument	Run		9/24/2025 1:18:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/24/2025 1:18:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/24/2025 1:18:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/24/2025 1:18:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/24/2025 1:18:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/24/2025 1:18:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/24/2025 1:18:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB