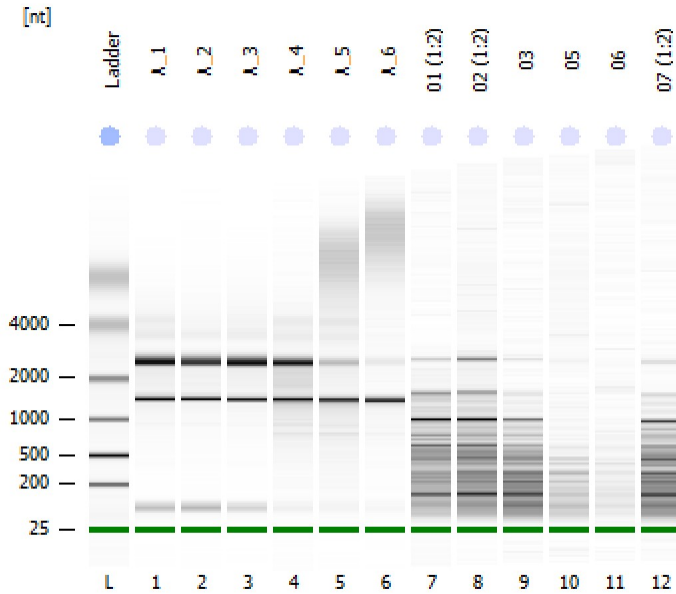


Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
Modified: 10/29/2024 5:17:41 PM

Electrophoresis File Run Summary



Instrument Information:

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

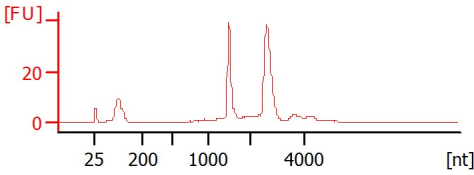
Assay Information:

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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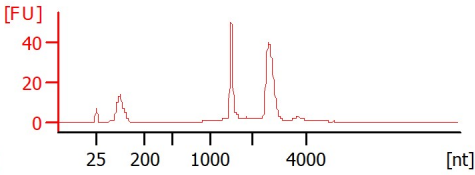
Chip Information:

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

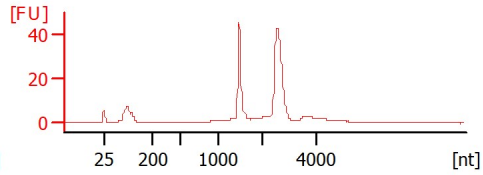
A_1
QC2026
RIN: 9.40



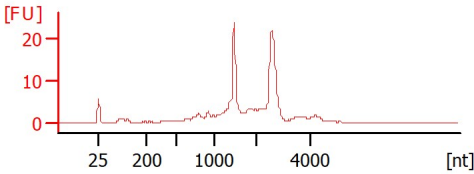
A_2
QC2026
RIN: 9.70



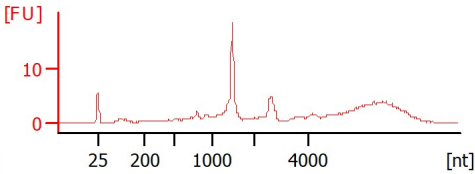
A_3
QC2026
RIN: 9.80



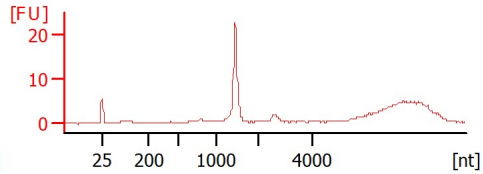
A_4
QC2026
RIN: 8.50



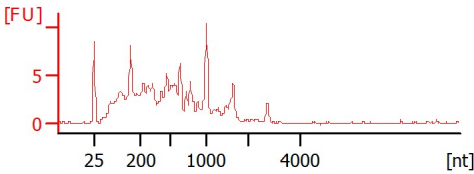
A_5
QC2026
RIN: 7.50



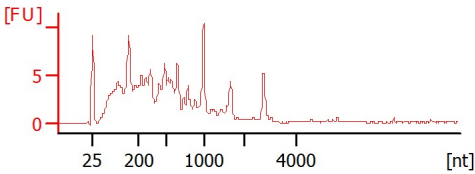
A_6
QC2026
RIN: 9.50



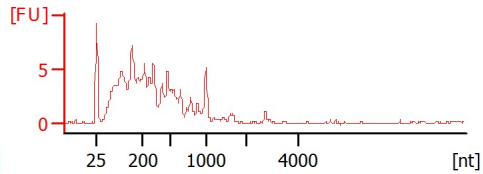
01 (1:2)
Nova1198
RIN: 5.30



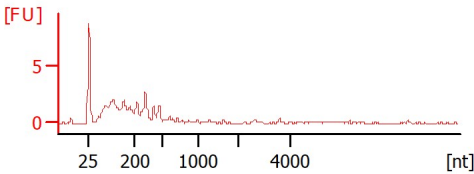
02 (1:2)
Nova1198
RIN: 5.20



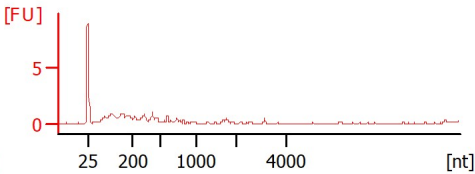
03
Nova1198
RIN: 4.10



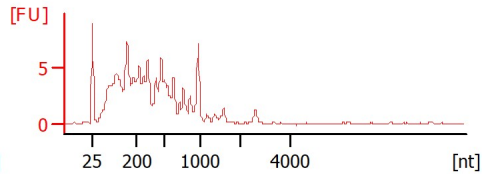
05
Nova1198
RIN: 2.50



06
Nova1198
RIN: 3.40



07 (1:2)
Nova1198
RIN: 4.90



Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
A_1	QC2026	✓	RIN: 9.40	
A_2	QC2026	✓	RIN: 9.70	
A_3	QC2026	✓	RIN: 9.80	
A_4	QC2026	✓	RIN: 8.50	
A_5	QC2026	✓	RIN: 7.50	
A_6	QC2026	✓	RIN: 9.50	
01 (1:2)	Nova1198	✓	RIN: 5.30	
02 (1:2)	Nova1198	✓	RIN: 5.20	
03	Nova1198	✓	RIN: 4.10	
05	Nova1198	✓	RIN: 2.50	
06	Nova1198	✓	RIN: 3.40	
07 (1:2)	Nova1198	✓	RIN: 4.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 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

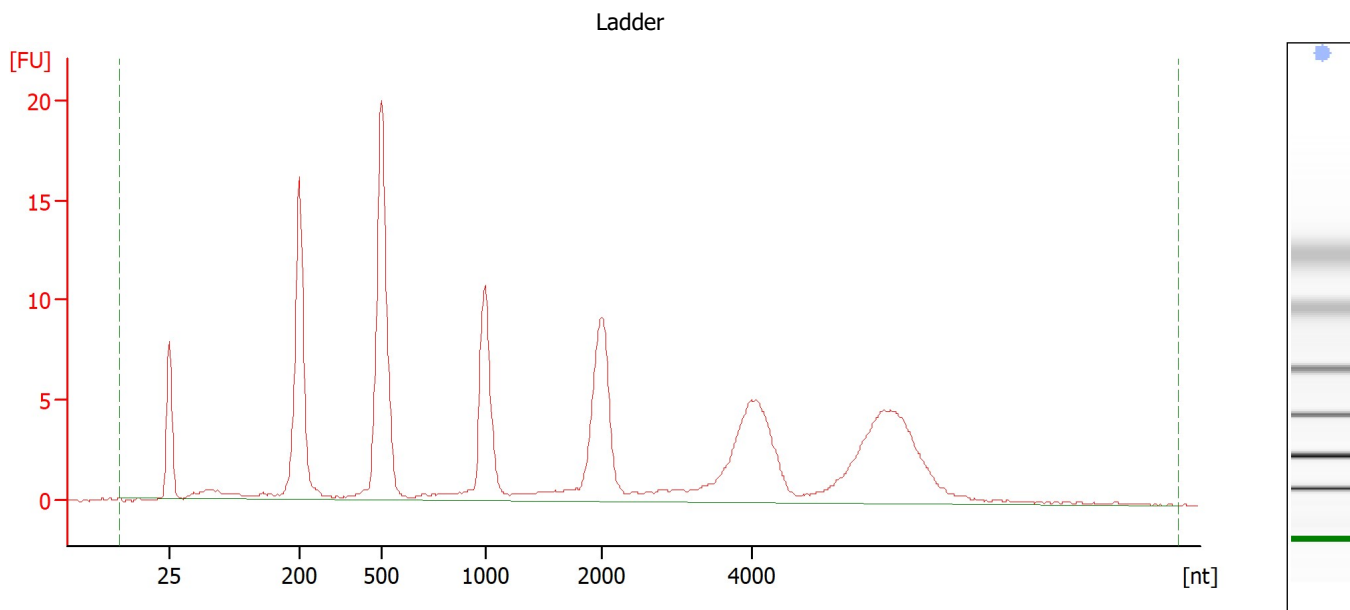
Ladder

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

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary



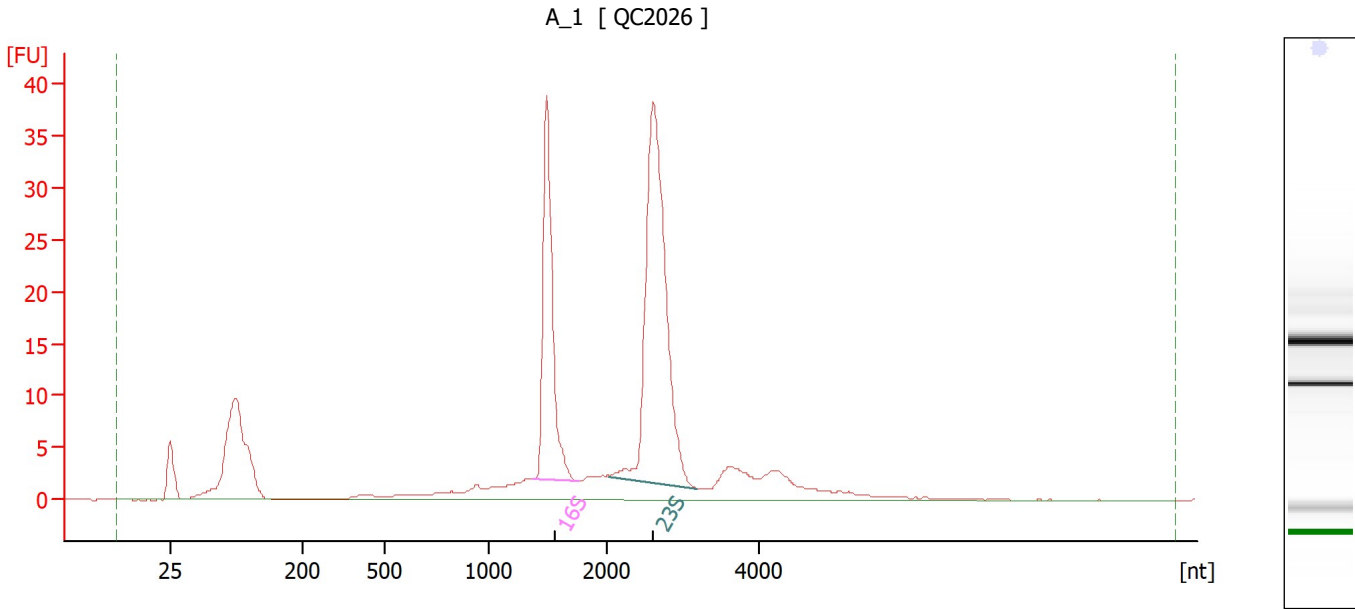
Overall Results for Ladder

RNA Area:	170.4	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : A_1

RNA Area:	261.1	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	230 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.9	Result Flagging Label:	RIN: 9.40

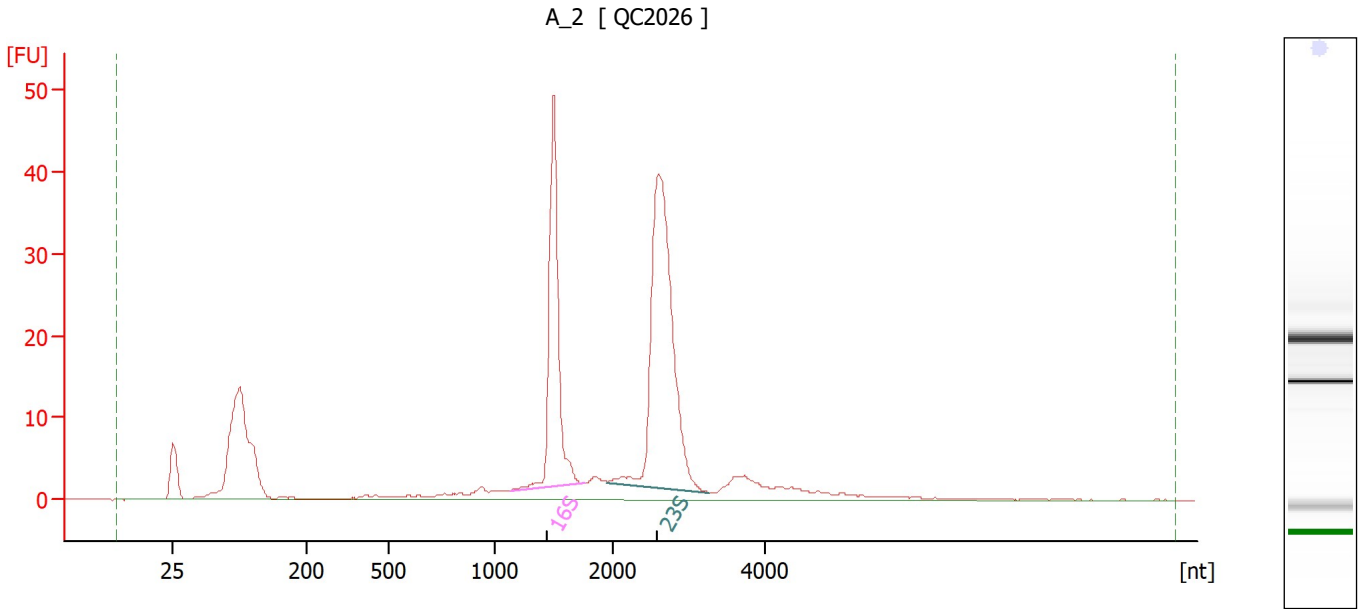
Fragment table for sample 1 : A_1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,366	1,757	47.0	18.0
23S	2,032	3,193	87.9	33.6

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : A_2

RNA Area:	294.6	RNA Integrity Number (RIN):	9.7 (B.02.10)
RNA Concentration:	259 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.7	Result Flagging Label:	RIN: 9.70

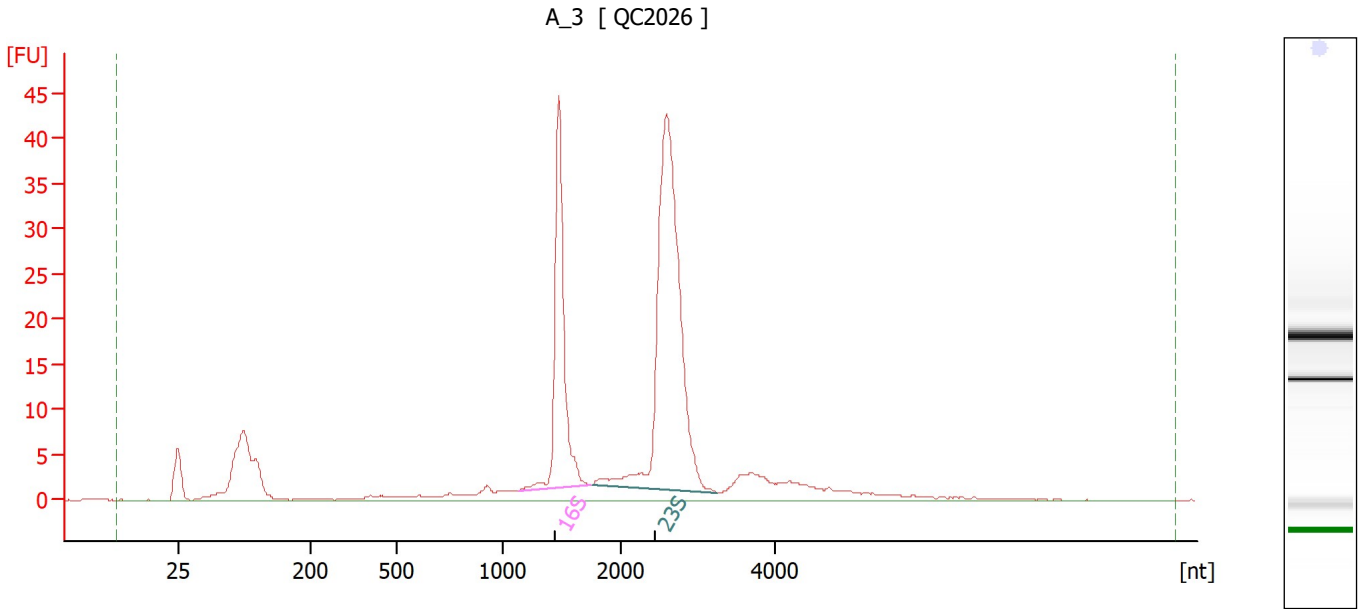
Fragment table for sample 2 : A_2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,128	1,751	56.5	19.2
23S	1,950	3,258	97.8	33.2

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : A_3

RNA Area:	278.3	RNA Integrity Number (RIN):	9.8 (B.02.10)
RNA Concentration:	245 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	2.0	Result Flagging Label:	RIN: 9.80

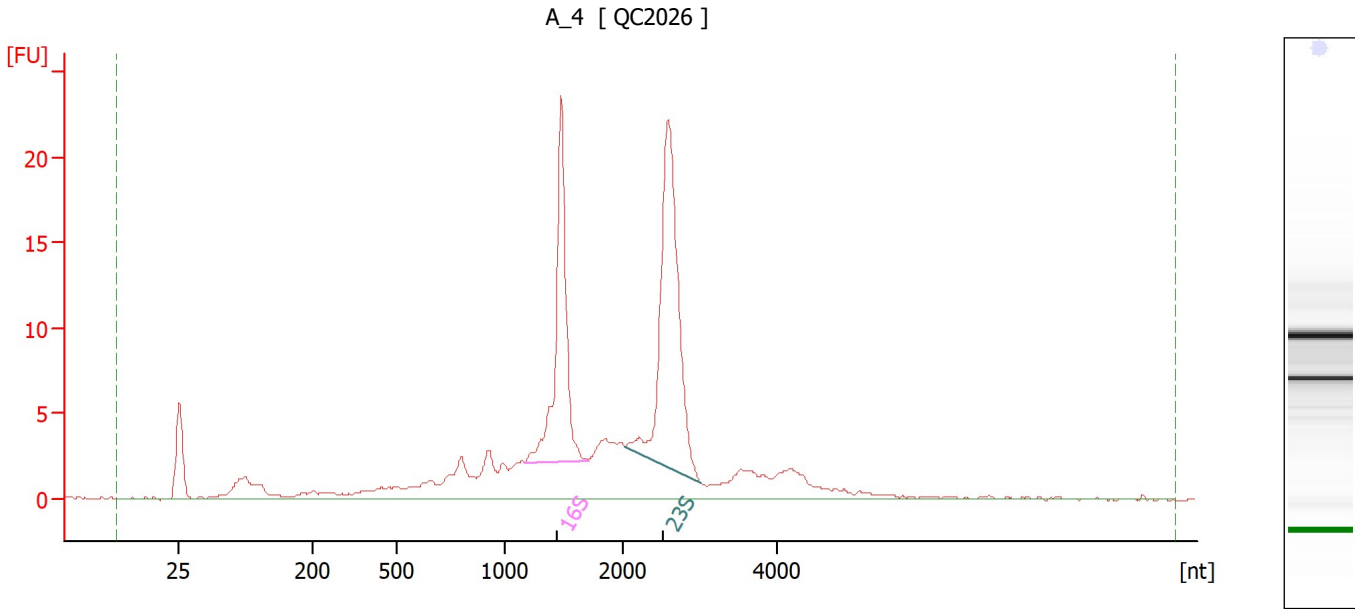
Fragment table for sample 3 : A_3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,138	1,738	53.6	19.2
23S	1,756	3,251	109.0	39.2

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : A_4

RNA Area:	177.4	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	156 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.5	Result Flagging Label:	RIN: 8.50

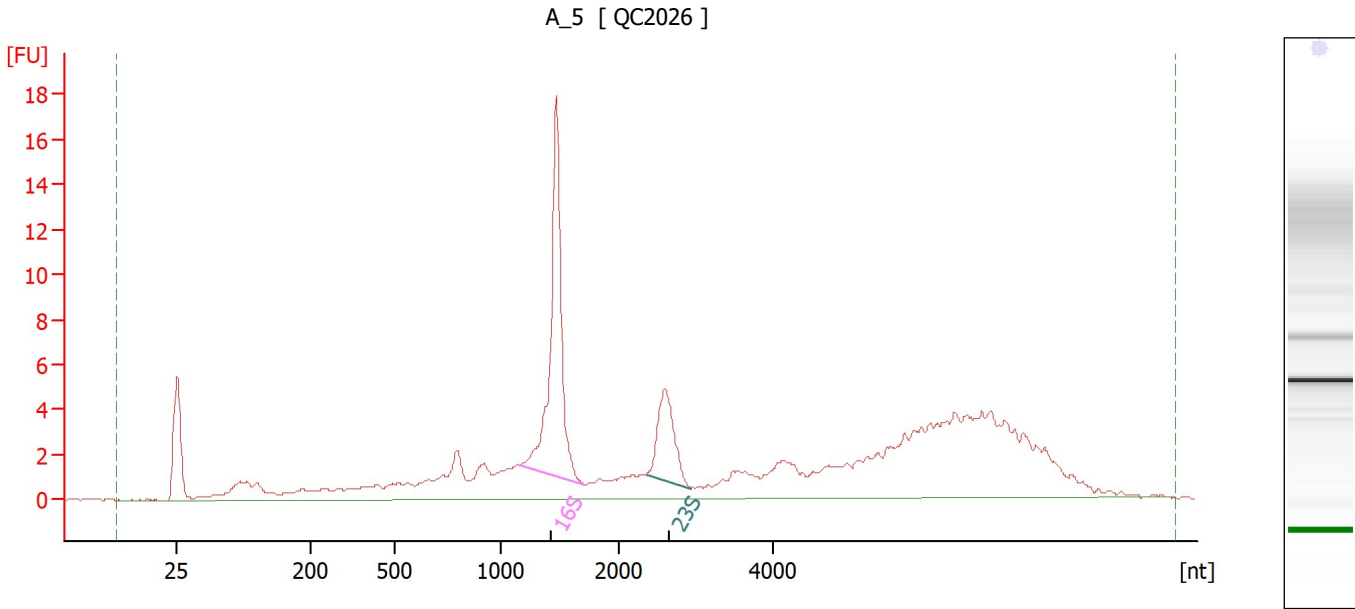
Fragment table for sample 4 : A_4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,168	1,704	29.2	16.4
23S	2,025	2,998	43.1	24.3

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : A_5

RNA Area:	148.9	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	131 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.3	Result Flagging Label:	RIN: 7.50

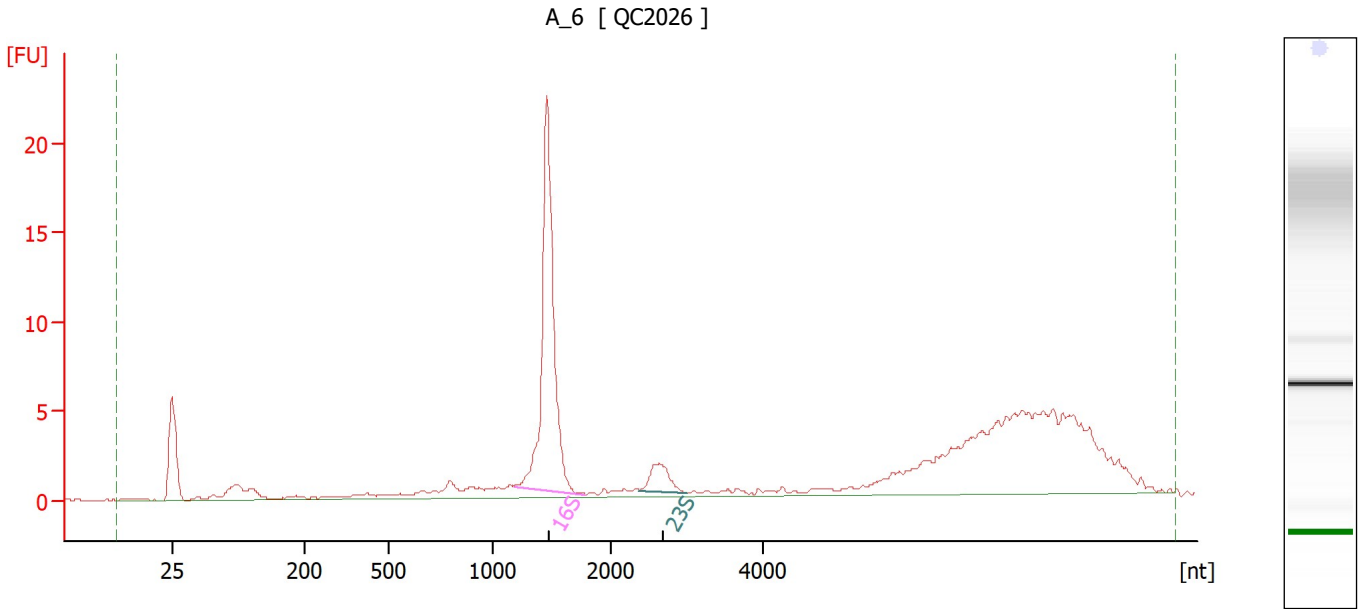
Fragment table for sample 5 : A_5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,154	1,710	24.6	16.5
23S	2,345	2,945	7.9	5.3

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : A_6

RNA Area:	122.7	RNA Integrity Number (RIN):	9.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	108 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.1	Result Flagging Label:	RIN: 9.50

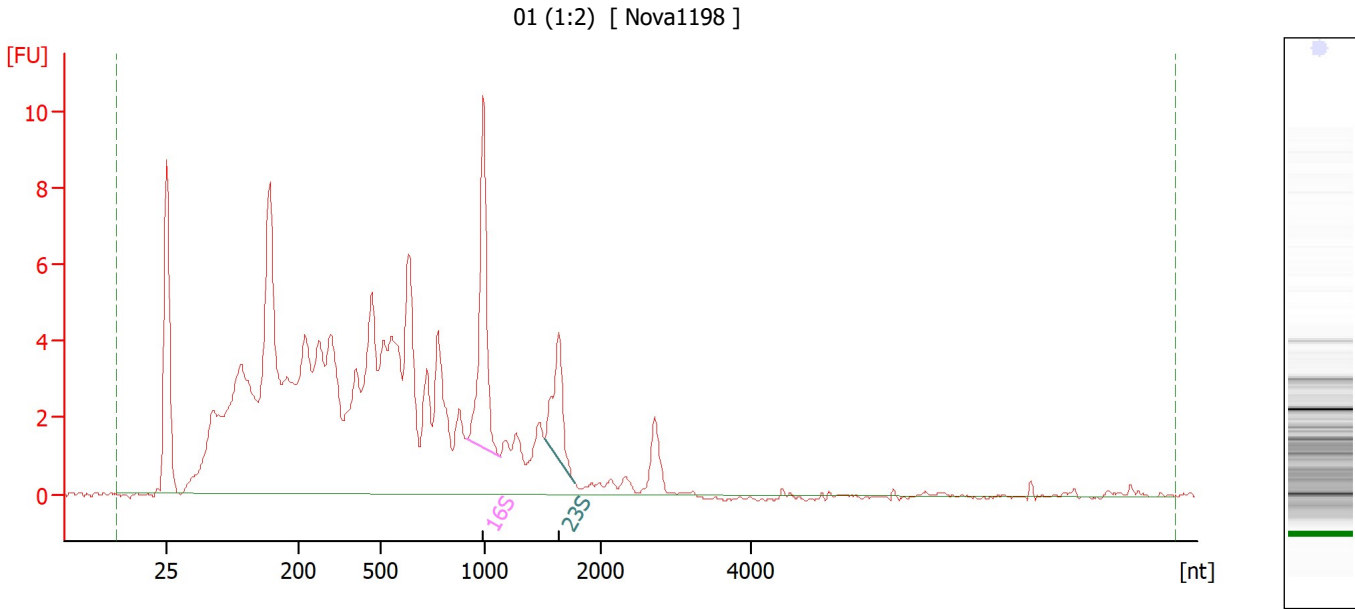
Fragment table for sample 6 : A_6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,180	1,777	33.3	27.2
23S	2,372	2,992	3.6	2.9

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 01 (1:2)

RNA Area:	166.6	RNA Integrity Number (RIN):	5.3 (B.02.10)
RNA Concentration:	147 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.4	Result Flagging Label:	RIN: 5.30

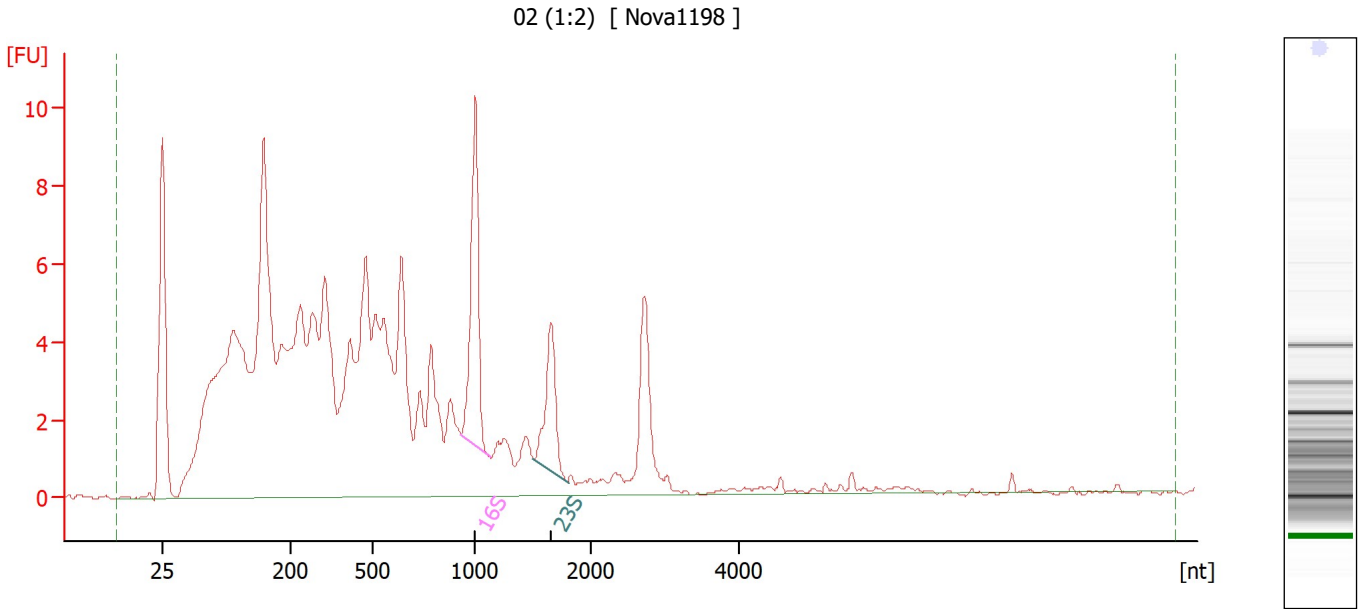
Fragment table for sample 7 : 01 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	919	1,140	9.7	5.8
23S	1,515	1,771	4.4	2.6

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 02 (1:2)

RNA Area:	203.3	RNA Integrity Number (RIN):	5.2 (B.02.10)
RNA Concentration:	179 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.5	Result Flagging Label:	RIN: 5.20

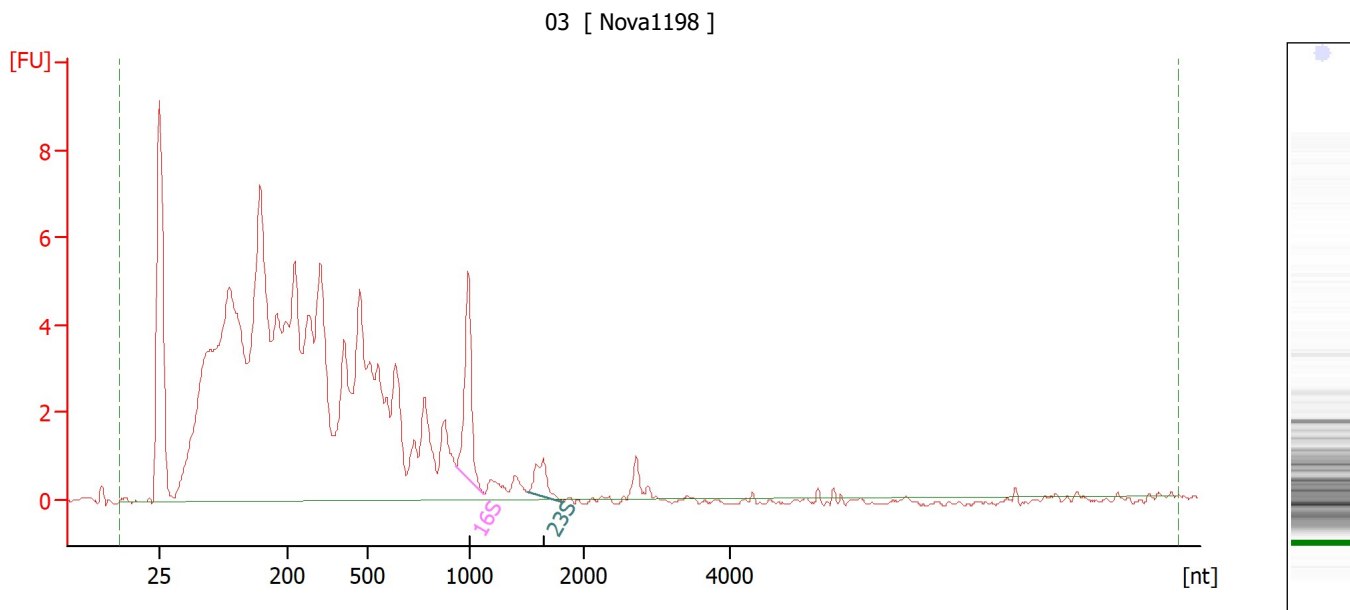
Fragment table for sample 8 : 02 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	930	1,126	9.6	4.7
23S	1,506	1,802	5.0	2.5

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 03

RNA Area:	152.5	RNA Integrity Number (RIN):	4.1 (B.02.10)
RNA Concentration:	134 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.3	Result Flagging Label:	RIN: 4.10

Fragment table for sample 9 : 03

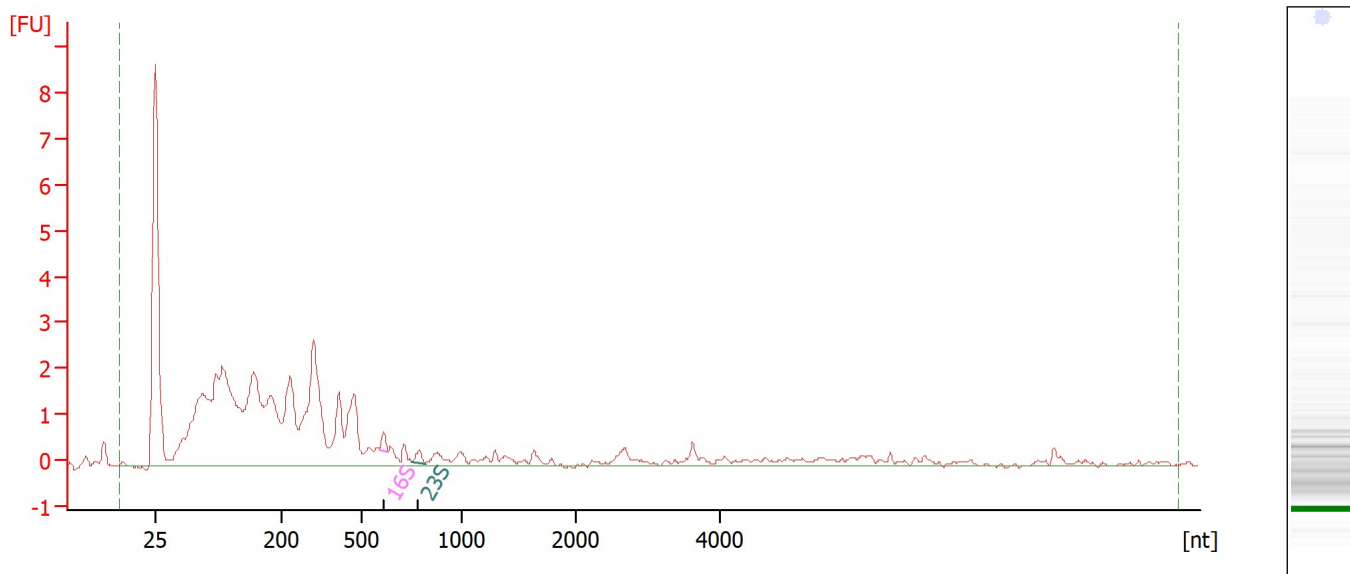
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	937	1,132	5.0	3.2
23S	1,506	1,816	1.3	0.9

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...

05 [Nova1198]



Overall Results for sample 10 : 05

RNA Area:	53.7	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	47 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.0	Result Flagging Label:	RIN: 2.50

Fragment table for sample 10 : 05

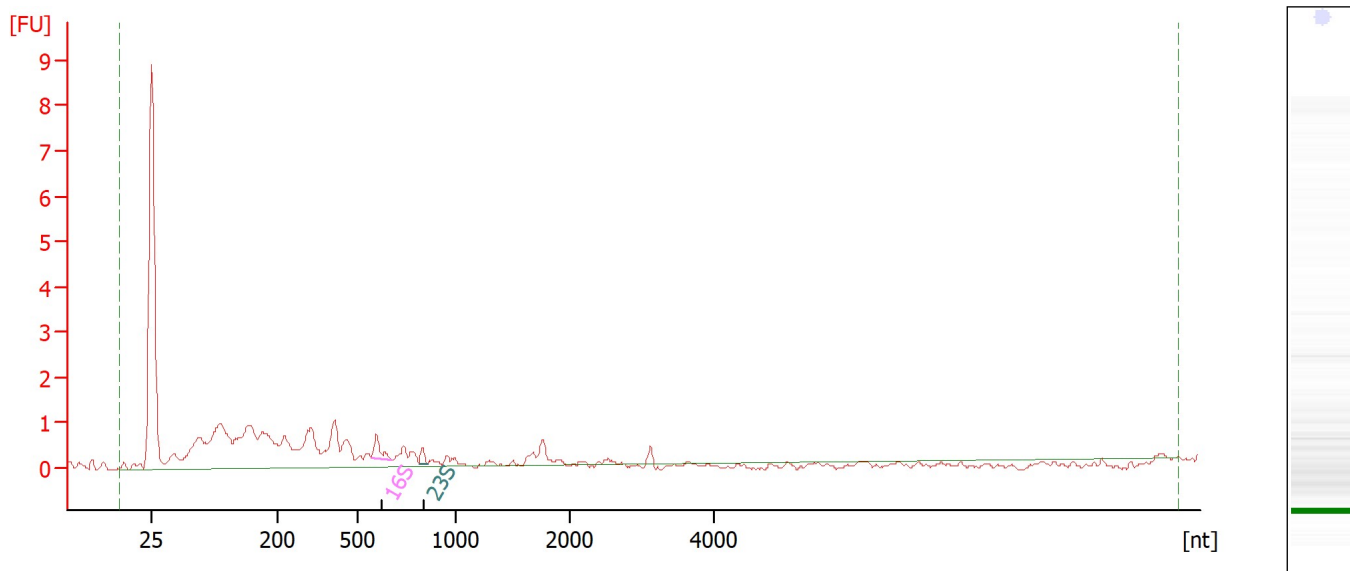
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	595	632	0.3	0.5
23S	749	818	0.3	0.5

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...

06 [Nova1198]



Overall Results for sample 11 : 06

RNA Area:	24.9	RNA Integrity Number (RIN):	3.4 (B.02.10)
RNA Concentration:	22 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.4	Result Flagging Label:	RIN: 3.40

Fragment table for sample 11 : 06

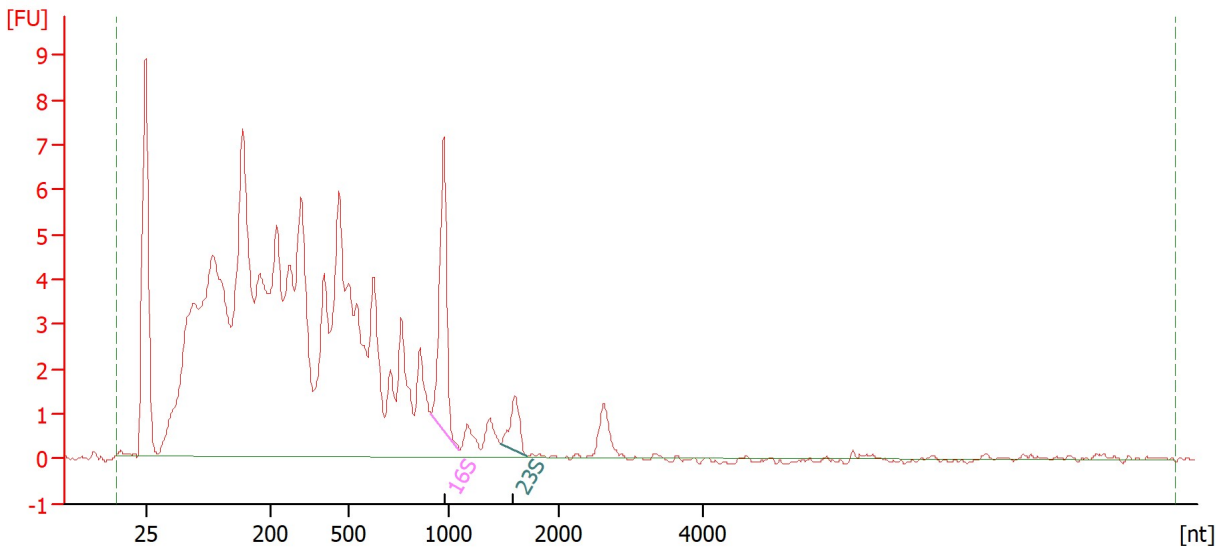
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	571	672	0.5	2.2
23S	811	854	0.2	1.0

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 PM

Electropherogram Summary Continued ...

07 (1:2) [Nova1198]



Overall Results for sample 12 : 07 (1:2)

RNA Area:	160.4	RNA Integrity Number (RIN):	4.9 (B.02.10)
RNA Concentration:	141 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.2	Result Flagging Label:	RIN: 4.90

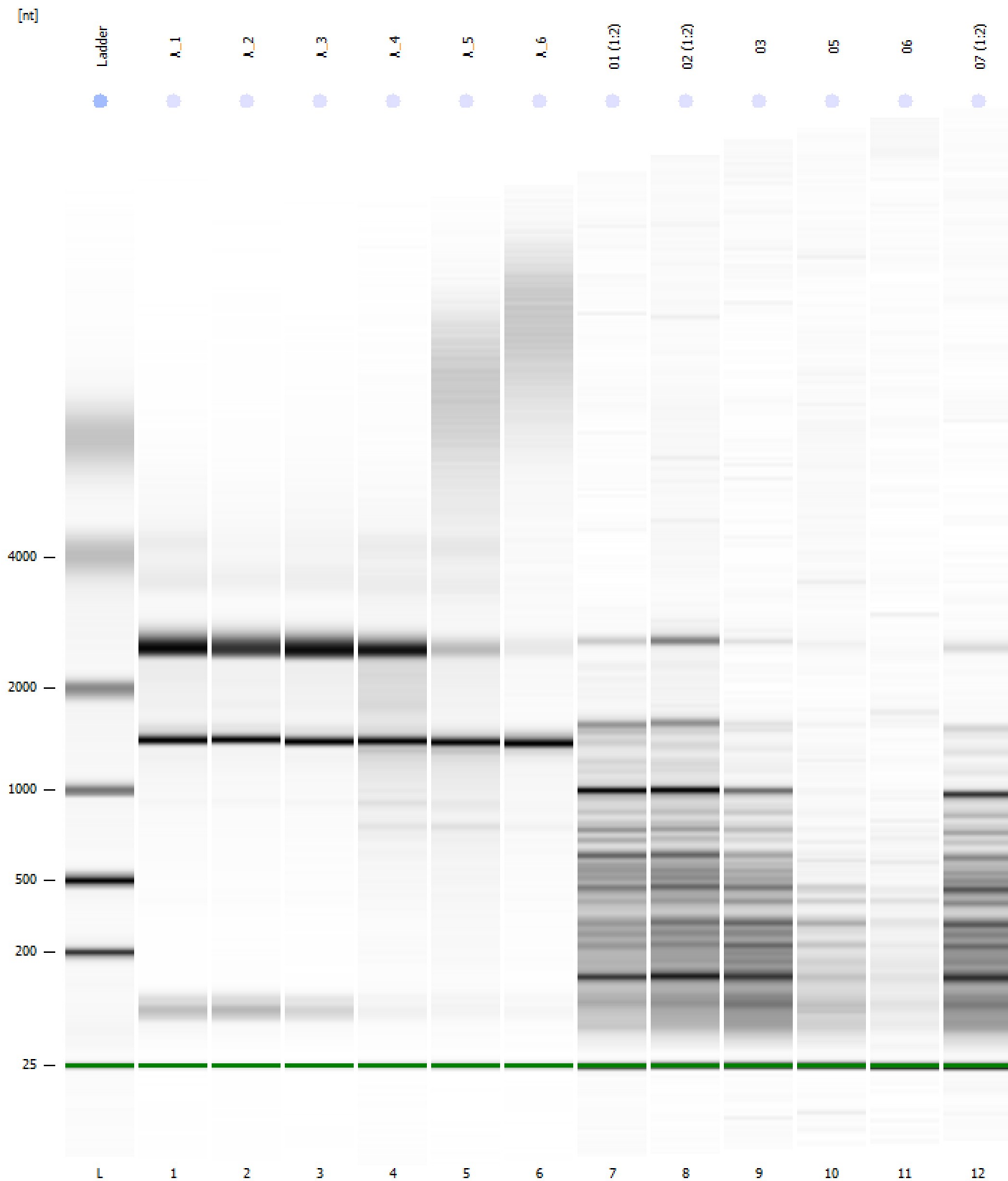
Fragment table for sample 12 : 07 (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	913	1,094	6.9	4.3
23S	1,478	1,699	1.6	1.0

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
Modified: 10/29/2024 5:17:41 PM

Gel Image



Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad

Created: 10/29/2024 4:53:46 PM
 Modified: 10/29/2024 5:17:41 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		10/29/2024 5:17:38 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\2024-10-29\Bioanalyzer1_Prokaryote Total RNA Nano_DE34903152_2024-10-29_001.xad)		Instrument	Run		10/29/2024 4:53:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/29/2024 4:53:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/29/2024 4:53:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/29/2024 4:53:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/29/2024 4:53:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/29/2024 4:53:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/29/2024 4:53:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB