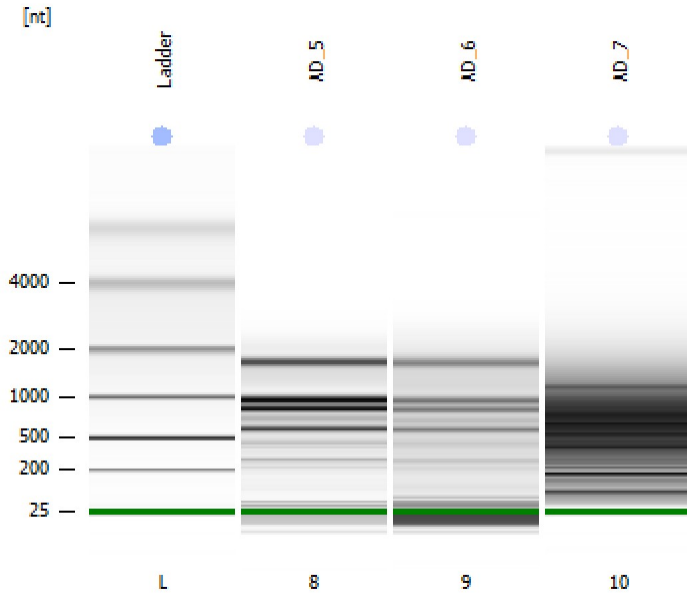


Assay Class: Prokaryote Total RNA Pico
Data Path: C:\...nalyzer\2100 expert\data\2024-09-12\QC1959_1-3_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
Modified: 9/12/2024 2:22:09 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 Pico Series II.xsy

Assay Class: Prokaryote Total RNA Pico

Version: 2.5

Assay Comments: Total RNA Analysis pg sensitivity (Prokaryote)

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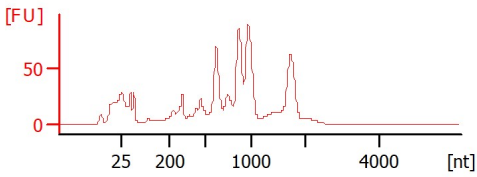
Chip Information:

Chip Lot #:

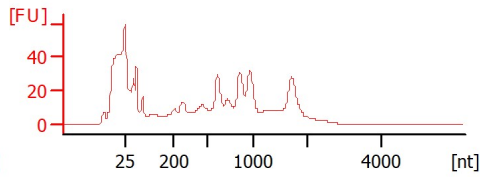
Reagent Kit Lot #:

Chip Comments:

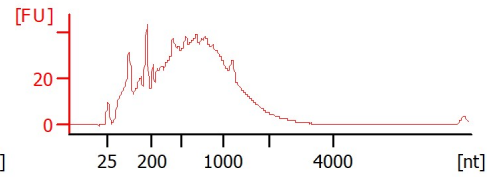
AD_5
QC1959-1
RIN: 6.30



AD_6
QC1959-2
RIN: 5.70



AD_7
QC1959-3
RIN: 2.50



Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2024-09-12\QC1959_1-3_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
 Modified: 9/12/2024 2:22:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
AD_5	QC1959-1	✓	RIN: 6.30	
AD_6	QC1959-2	✓	RIN: 5.70	
AD_7	QC1959-3	✓	RIN: 2.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\...nalyzer\2100 expert\data\2024-09-12\QC1959_1-3_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
Modified: 9/12/2024 2:22:09 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ 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] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

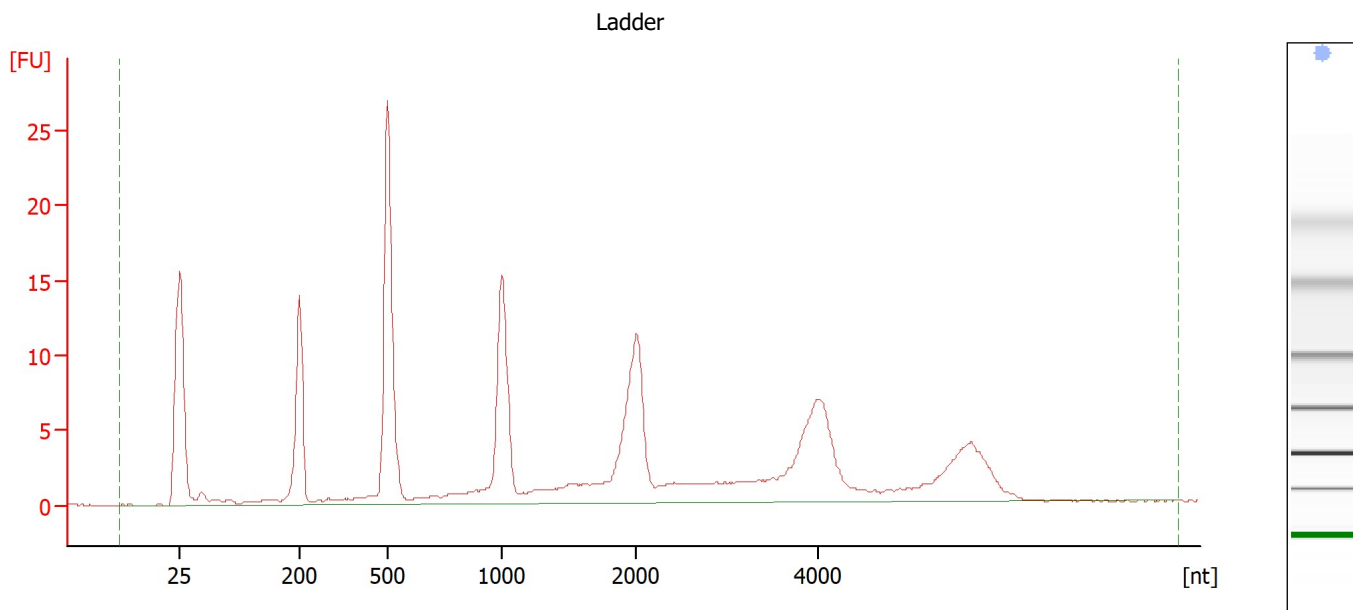
Ladder

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

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\...nalyzer\2100 expert\data\2024-09-12\QC1959_1-3_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
Modified: 9/12/2024 2:22:09 PM

Electropherogram Summary



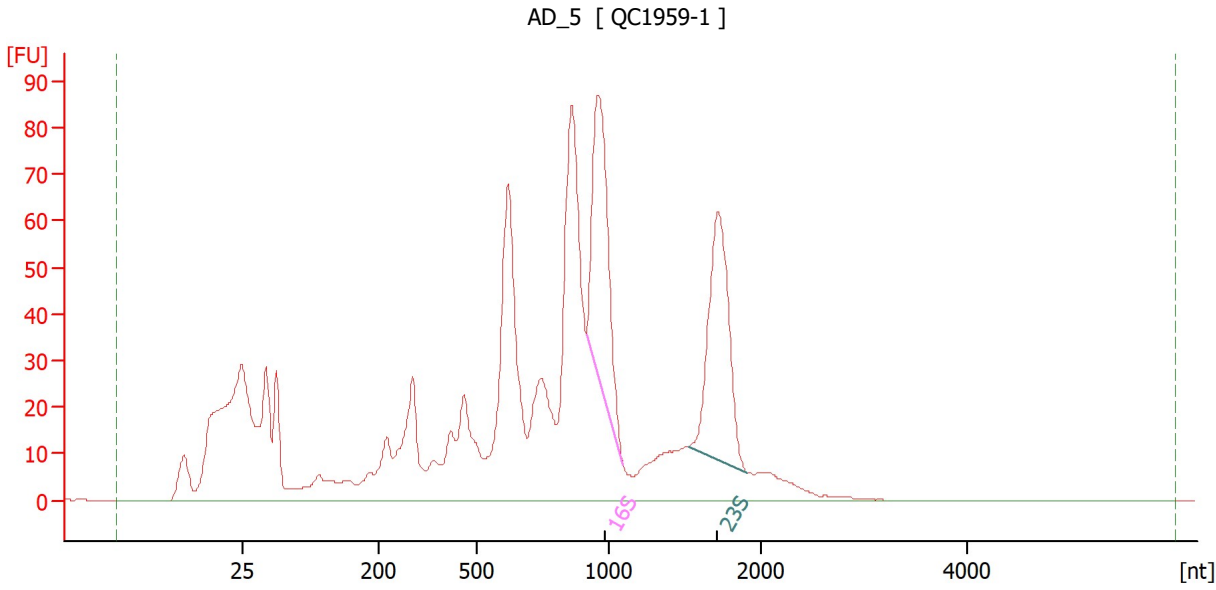
Overall Results for Ladder

RNA Area:	194.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2024-09-12\QC1959_1-3_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
 Modified: 9/12/2024 2:22:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : AD_5

RNA Area:	1,241.3	RNA Integrity Number (RIN):	6.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	6,394 pg/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.0	Result Flagging Label:	RIN: 6.30

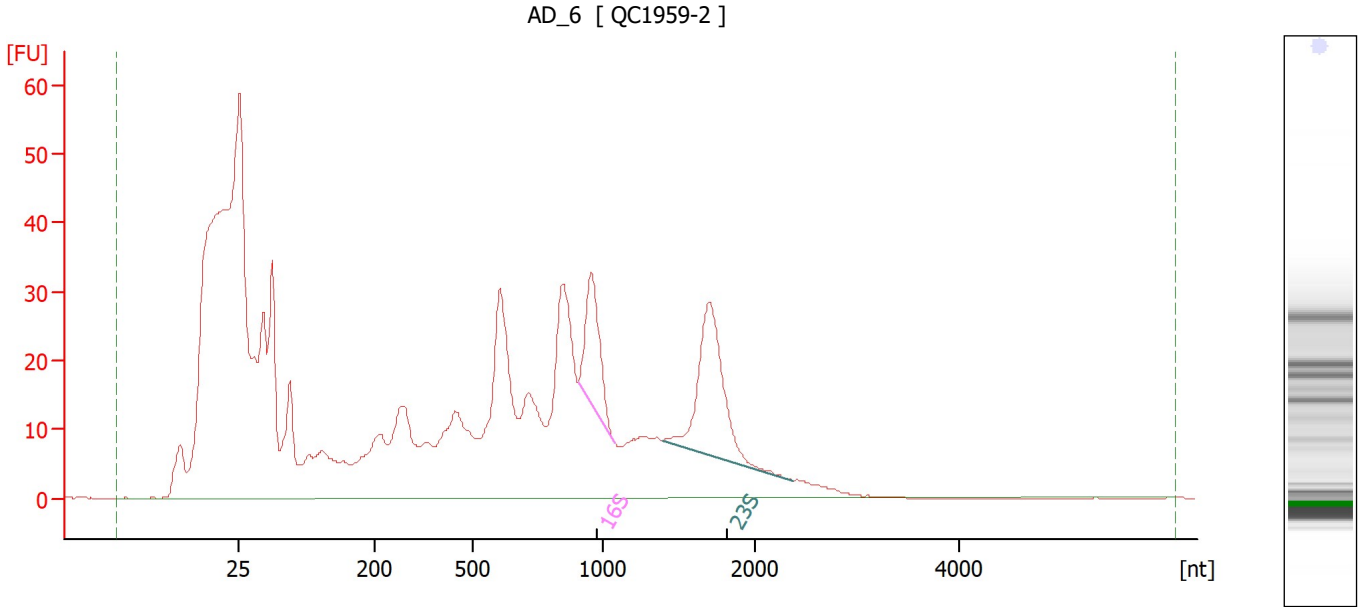
Fragment table for sample 8 : AD_5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	913	1,096	124.1	10.0
23S	1,525	1,905	122.3	9.8

Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2024-09-12\QC1959_1-3_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
 Modified: 9/12/2024 2:22:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : AD_6

RNA Area:	833.7	RNA Integrity Number (RIN):	5.7 (B.02.10)
RNA Concentration:	4,294 pg/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.9	Result Flagging Label:	RIN: 5.70

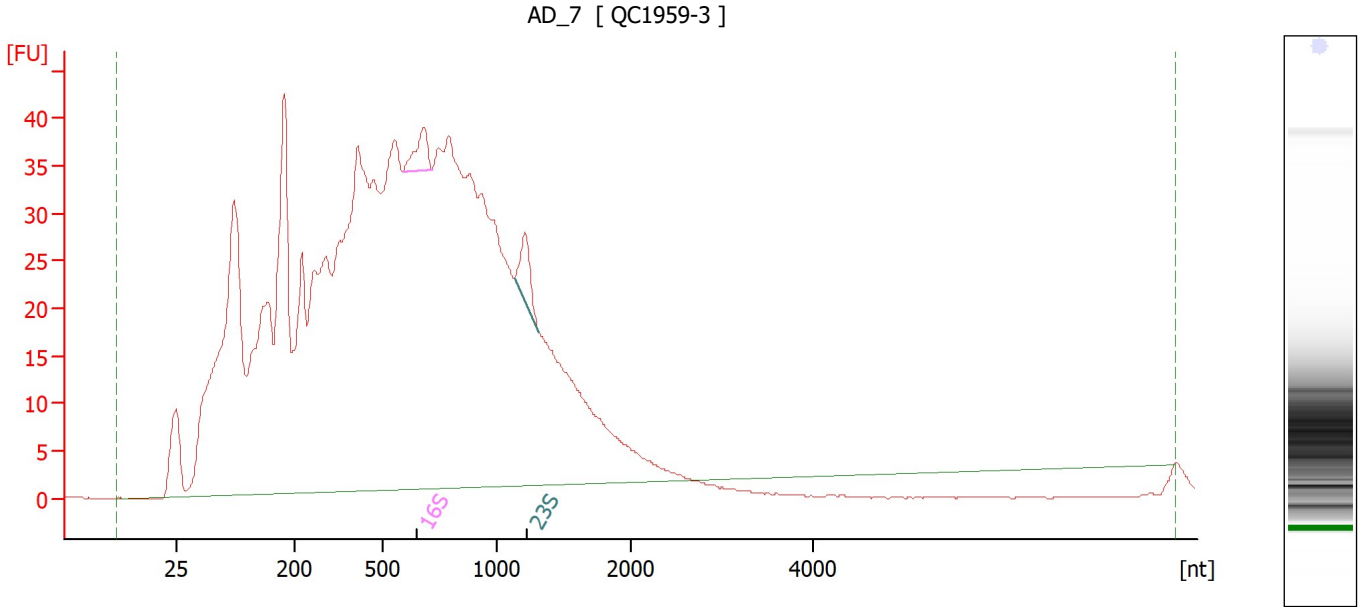
Fragment table for sample 9 : AD_6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	904	1,075	34.8	4.2
23S	1,387	2,369	64.8	7.8

Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2024-09-12\QC1959_1-3_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
 Modified: 9/12/2024 2:22:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : AD 7

RNA Area:	1,443.6	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	7,435 pg/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.2	Result Flagging Label:	RIN: 2.50

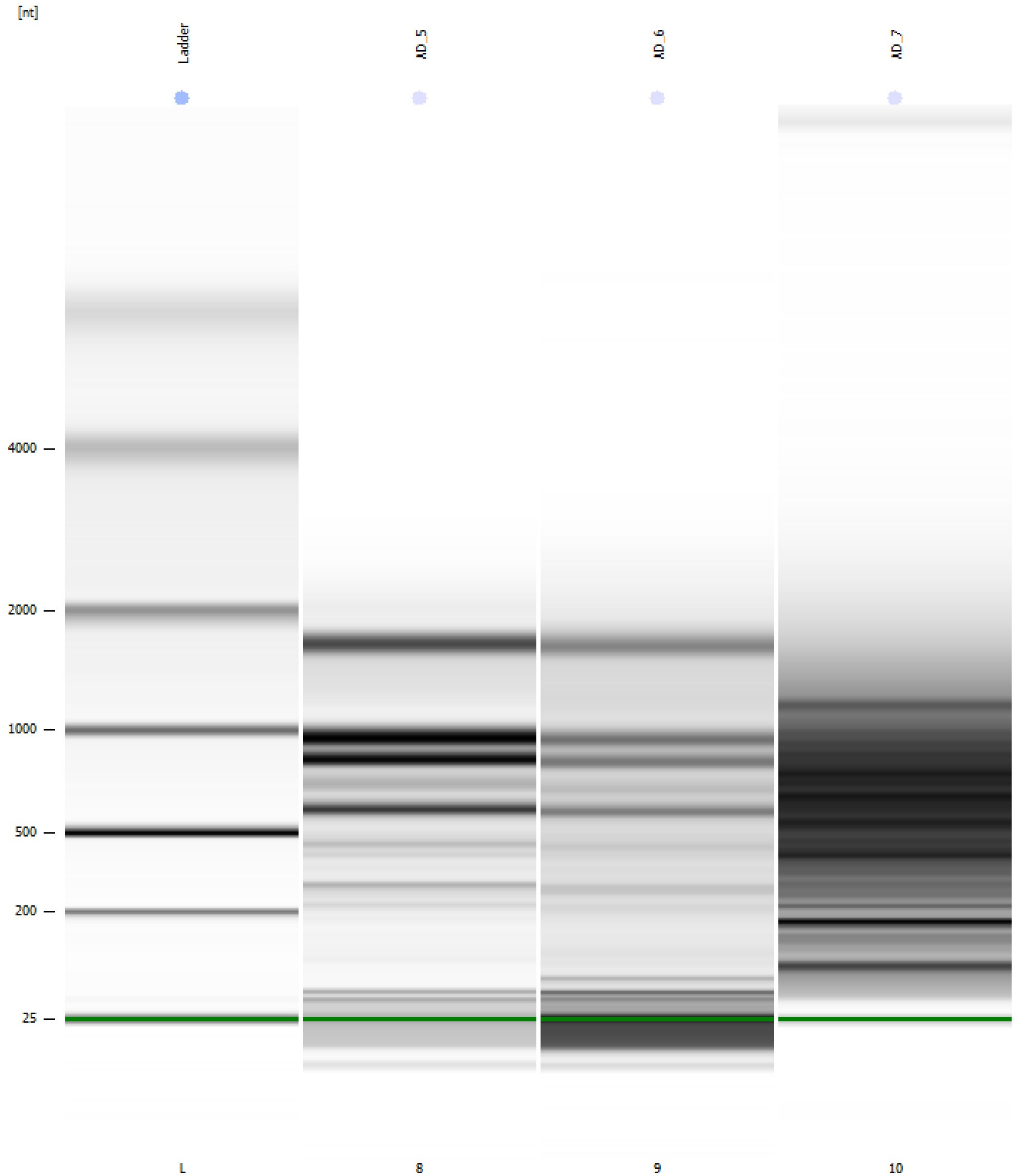
Fragment table for sample 10 : AD 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	590	715	8.4	0.6
23S	1,125	1,310	10.0	0.7

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\...nalyzer\2100 expert\data\2024-09-12\QC1959_1-3_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
Modified: 9/12/2024 2:22:09 PM

Gel Image



Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\...nalyzer\2100 expert\data\2024-09-12\QC1959_1-3_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
 Modified: 9/12/2024 2:22:09 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		9/12/2024 2:05:16 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\2024-09-12\Bioanalyzer1_Prokaryote Total RNA Pico_DE34903152_2024-09-12_001.xad)		Instrument	Run		9/12/2024 1:42:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/12/2024 1:42:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/12/2024 1:42:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/12/2024 1:42:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/12/2024 1:42:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/12/2024 1:42:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/12/2024 1:42:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB