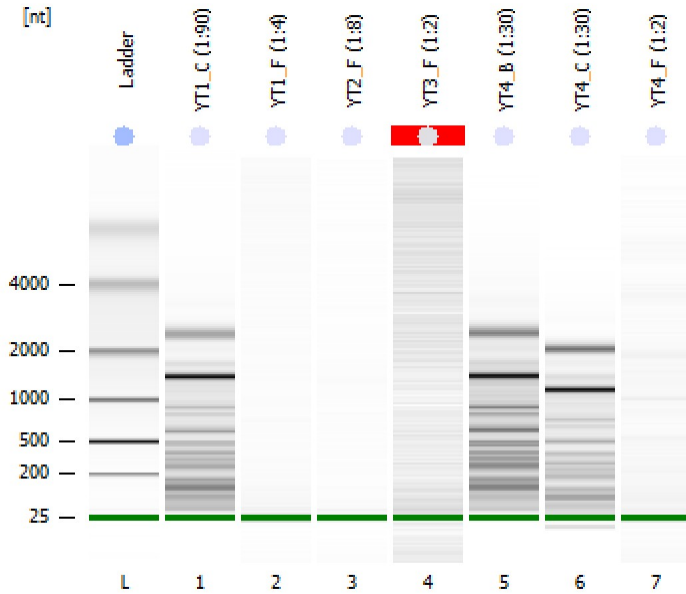


Assay Class: Prokaryote Total RNA Pico
Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
Modified: 9/12/2024 2:19:22 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)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

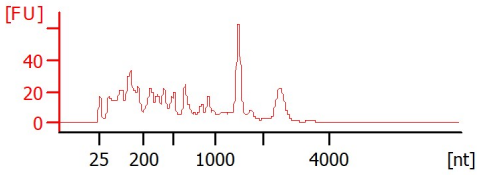
Chip Information:

Chip Lot #:

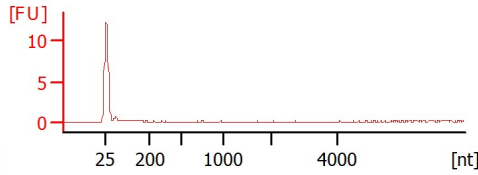
Reagent Kit Lot #:

Chip Comments:

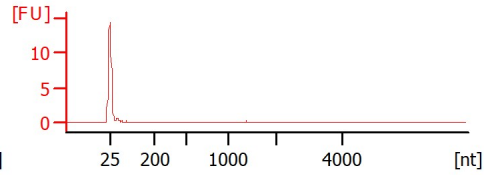
QC1961-3
RIN: 6.10
YT1_C (1:90)



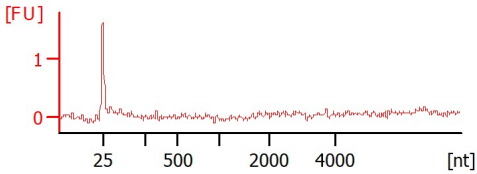
QC1961-6
RIN:1
YT1_F (1:4)



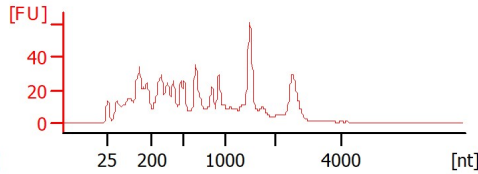
QC1961-12
RIN:1
YT2_F (1:8)



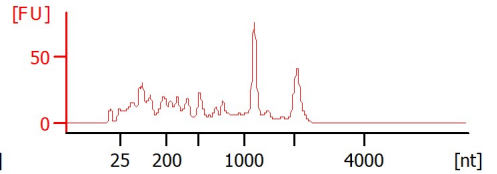
QC1961-18
RIN N/A
YT3_F (1:2)



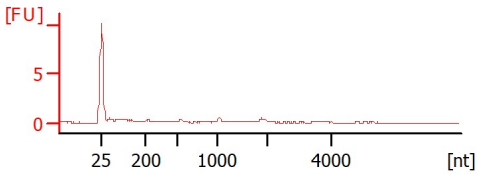
QC1961-20
RIN: 5.70
YT4_B (1:30)



QC1961-21
RIN: 6.70
YT4_C (1:30)



QC1961-24
RIN: 4.80
YT4_F (1:2)



Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
 Modified: 9/12/2024 2:19:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
YT1_C (1:90)	QC1961-3	✓	RIN: 6.10	
YT1_F (1:4)	QC1961-6	✓	RIN:1	
YT2_F (1:8)	QC1961-12	✓	RIN:1	
YT3_F (1:2)	QC1961-18	✓	RIN N/A	
YT4_B (1:30)	QC1961-20	✓	RIN: 5.70	
YT4_C (1:30)	QC1961-21	✓	RIN: 6.70	
YT4_F (1:2)	QC1961-24	✓	RIN: 4.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
 Modified: 9/12/2024 2:19:22 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/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 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

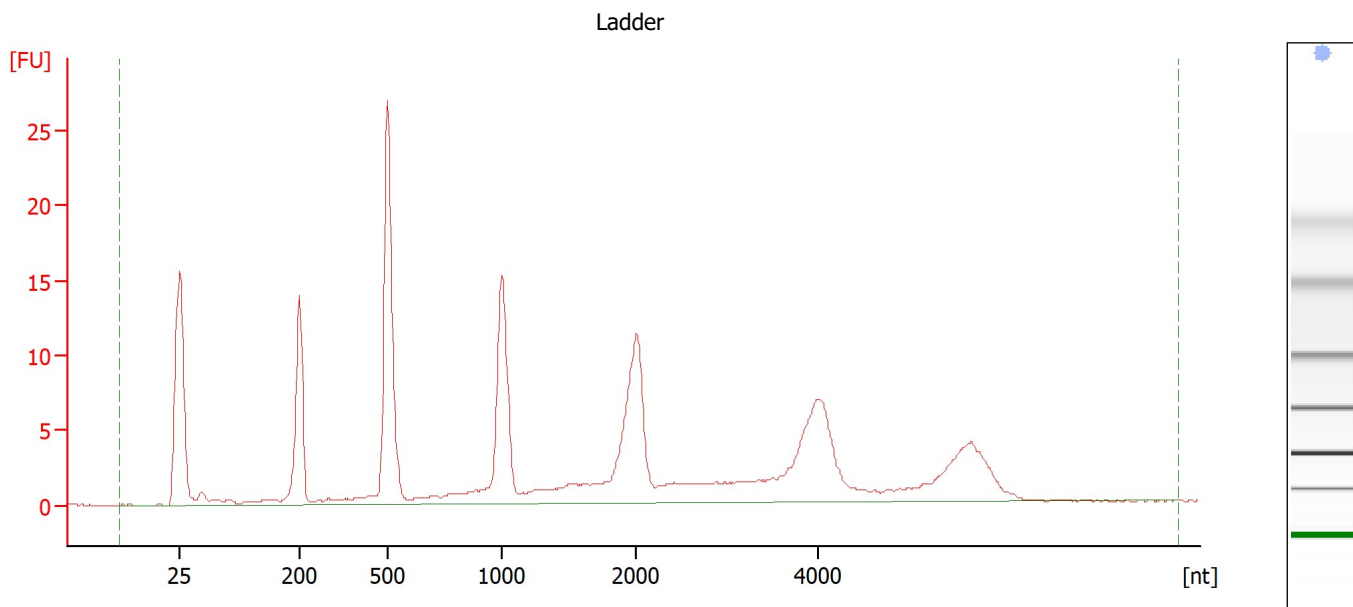
Ladder

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

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
Modified: 9/12/2024 2:19:22 PM

Electropherogram Summary



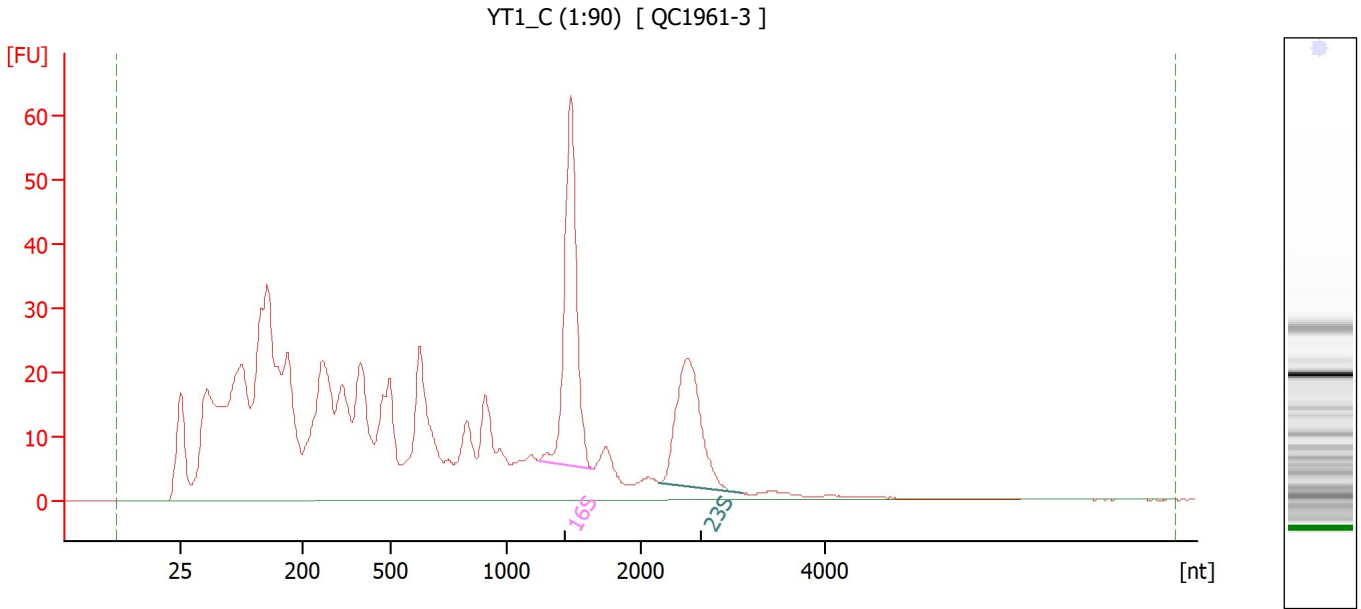
Overall Results for Ladder

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:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
 Modified: 9/12/2024 2:19:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : YT1_C (1:90)

RNA Area:	980.0	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	5,048 pg/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.6	Result Flagging Label:	RIN: 6.10

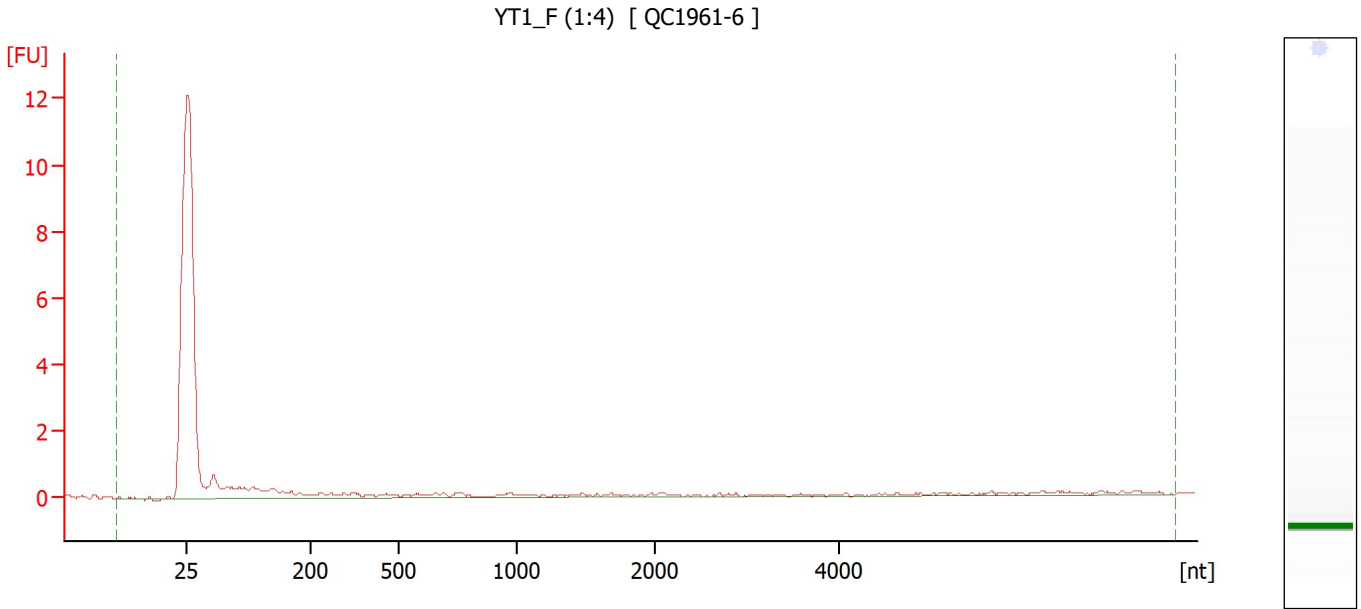
Fragment table for sample 1 : YT1_C (1:90)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,232	1,636	90.4	9.2
23S	2,200	3,109	58.4	6.0

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
Modified: 9/12/2024 2:19:22 PM

Electropherogram Summary Continued ...



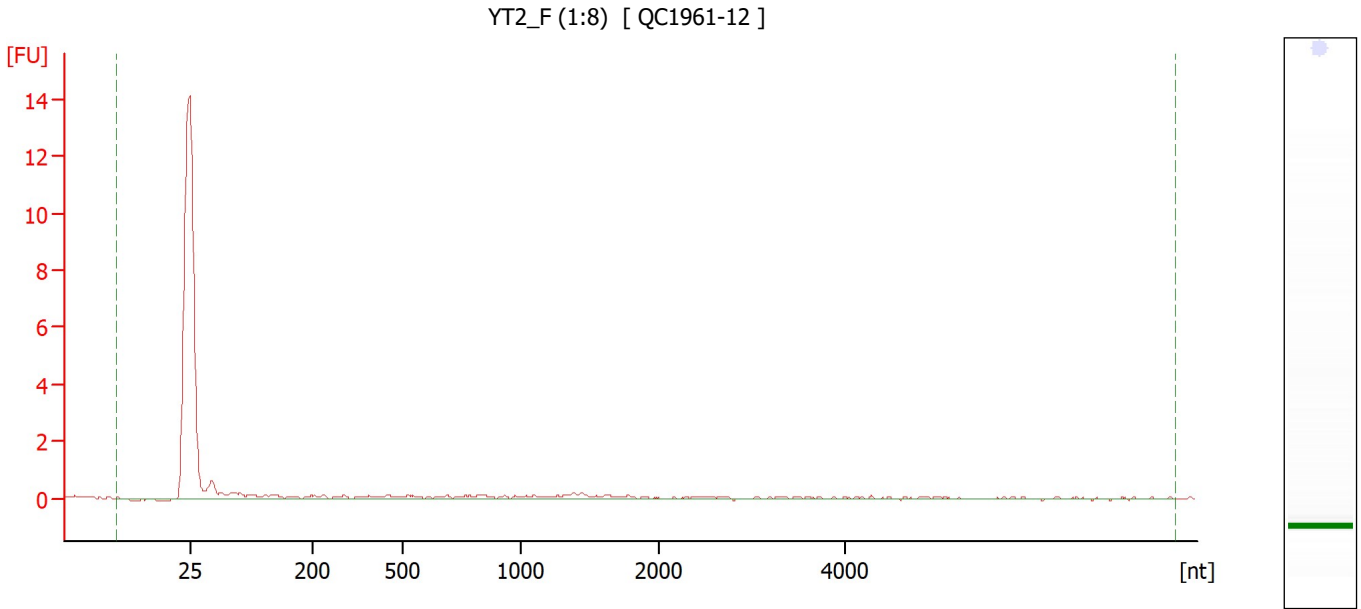
Overall Results for sample 2 : YT1_F (1:4)

RNA Area:	11.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	61 pg/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
Modified: 9/12/2024 2:19:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : YT2_F (1:8)

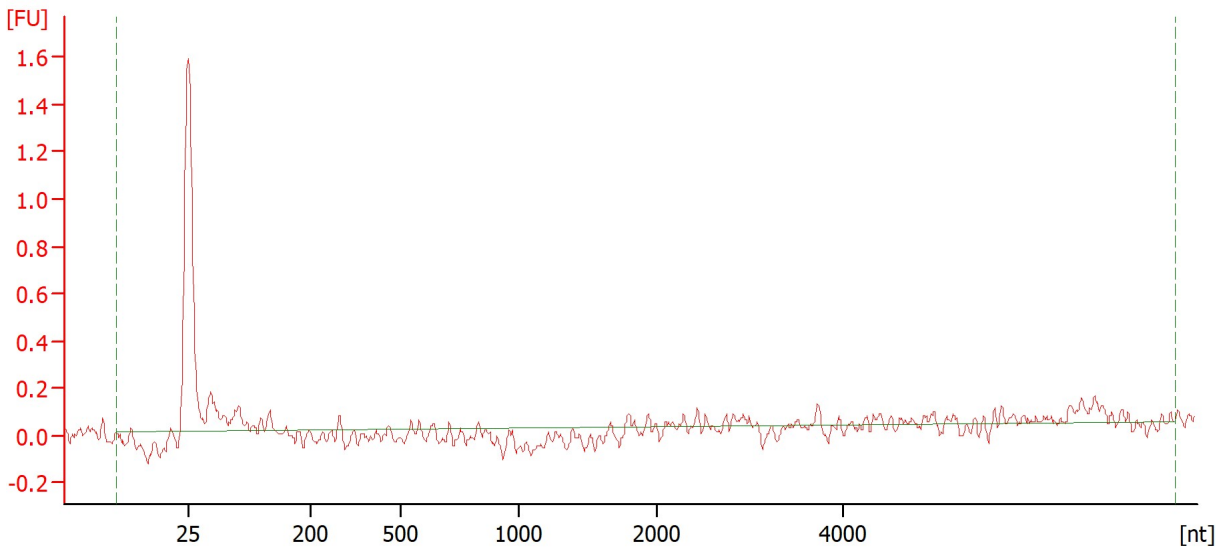
RNA Area:	7.2	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	37 pg/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
Modified: 9/12/2024 2:19:22 PM

Electropherogram Summary Continued ...

YT3_F (1:2) [QC1961-18]



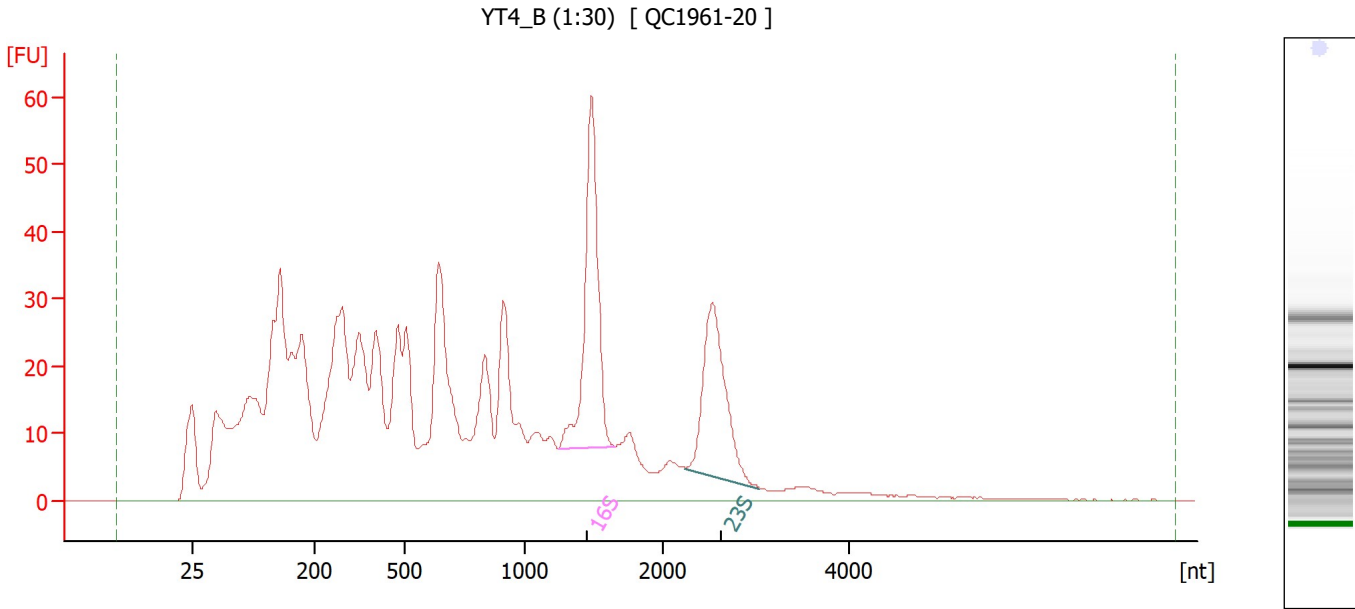
Overall Results for sample 4 : YT3_F (1:2)

RNA Area:	1.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	8 pg/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
Modified: 9/12/2024 2:19:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : YT4 B (1:30)

RNA Area: 1,164.5 RNA Integrity Number (RIN): 5.7 (B.02.10)
RNA Concentration: 5,998 pg/μl Result Flagging Color:
rRNA Ratio [23s / 16s]: 0.7 Result Flagging Label: RIN: 5.70

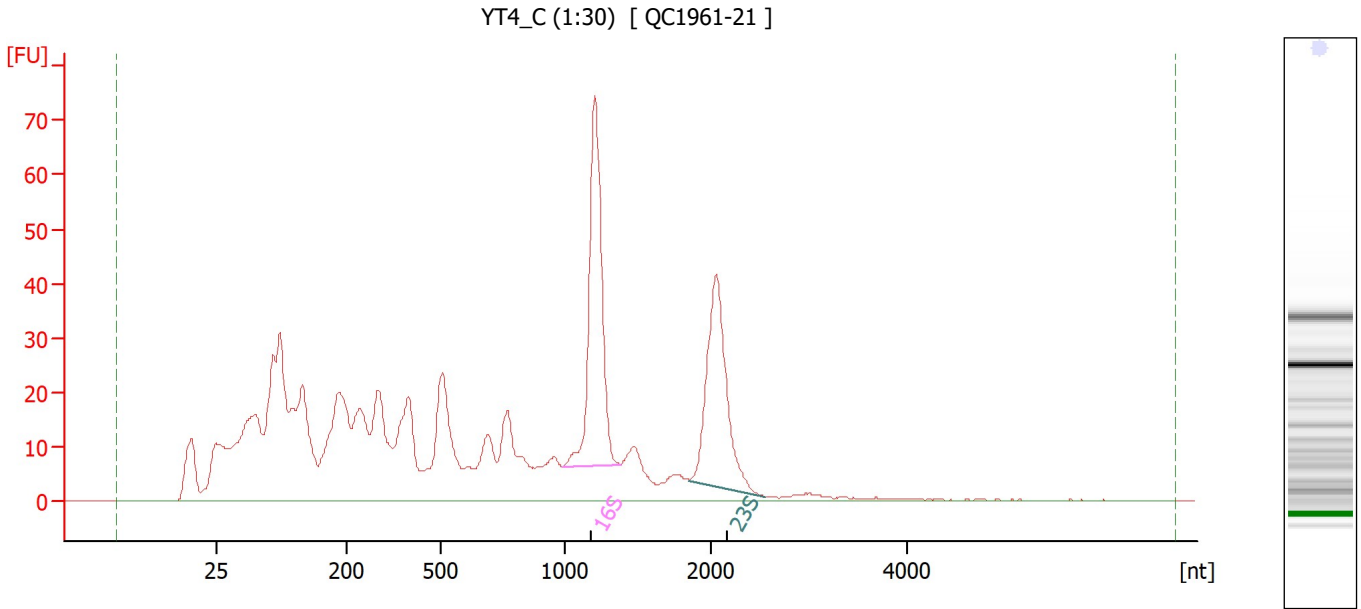
Fragment table for sample 5 : YT4 B (1:30)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,244	1,655	87.9	7.5
23S	2,246	3,033	65.2	5.6

Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
 Modified: 9/12/2024 2:19:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : YT4_C (1:30)

RNA Area:	962.0	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	4,955 pg/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.8	Result Flagging Label:	RIN: 6.70

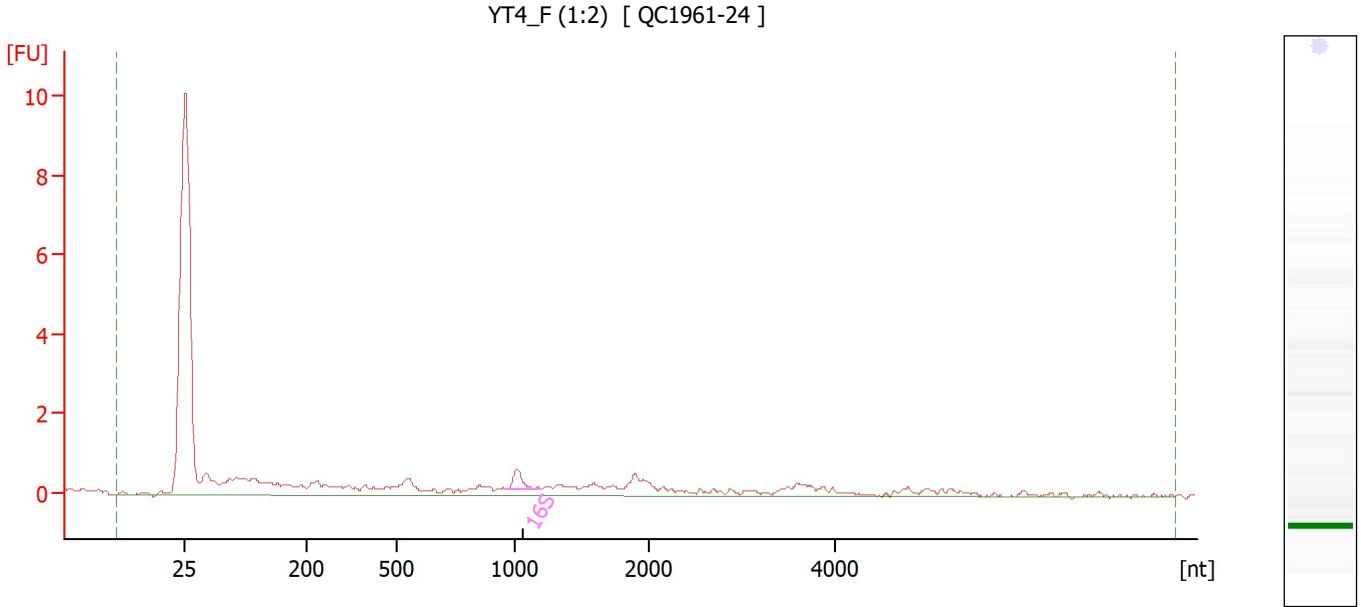
Fragment table for sample 6 : YT4_C (1:30)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	986	1,376	108.8	11.3
23S	1,856	2,549	85.9	8.9

Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
 Modified: 9/12/2024 2:19:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : YT4 F (1:2)

RNA Area:	22.1	RNA Integrity Number (RIN):	4.8 (B.02.10)
RNA Concentration:	114 pg/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 4.80

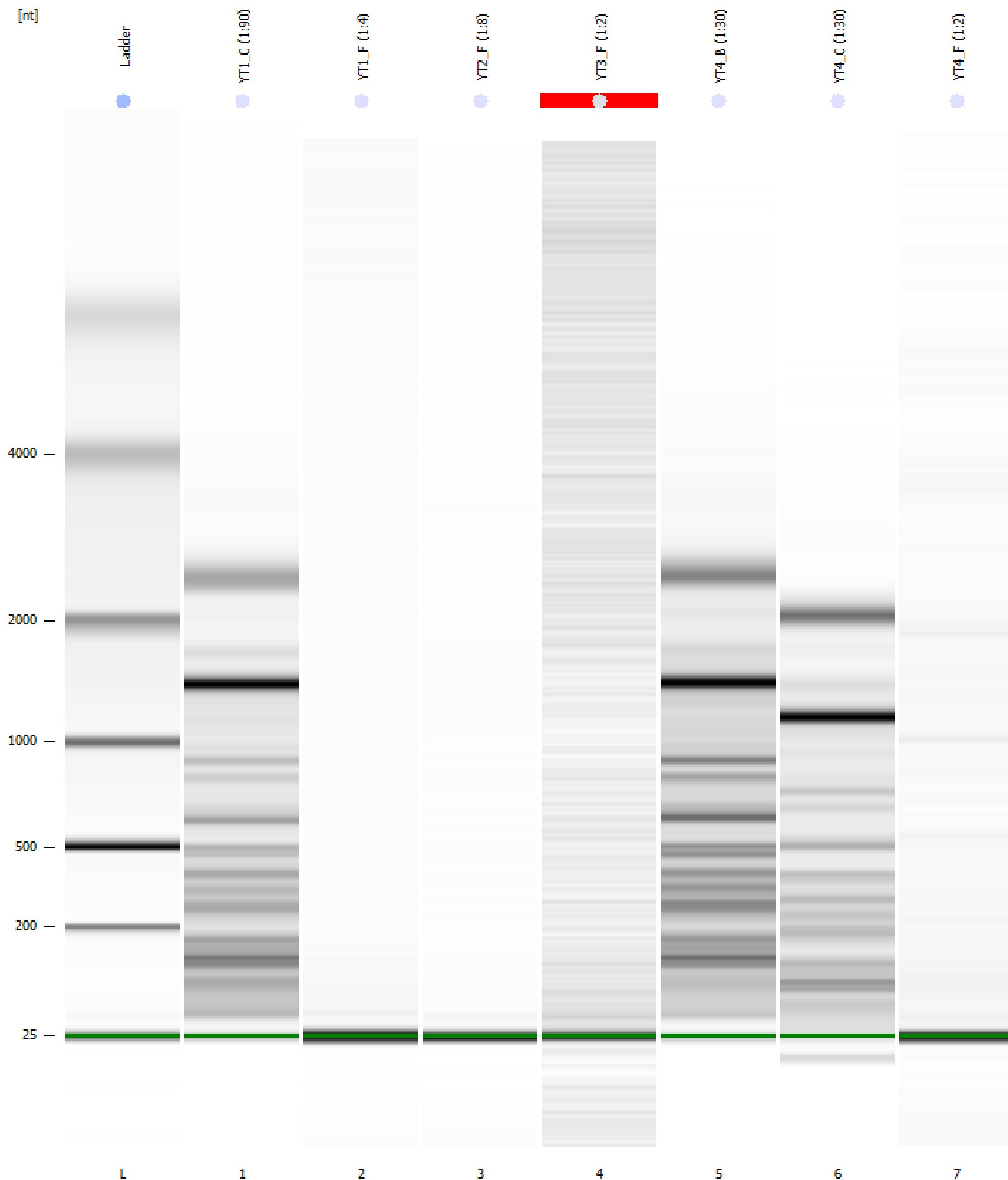
Fragment table for sample 7 : YT4 F (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	966	1,193	0.6	2.9

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
Modified: 9/12/2024 2:19:22 PM

Gel Image



Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\...pert\data\2024-09-12\QC1961_3_6_12_18_20_21_24_Pico_RNA.xad

Created: 9/12/2024 1:42:20 PM
 Modified: 9/12/2024 2:19:22 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