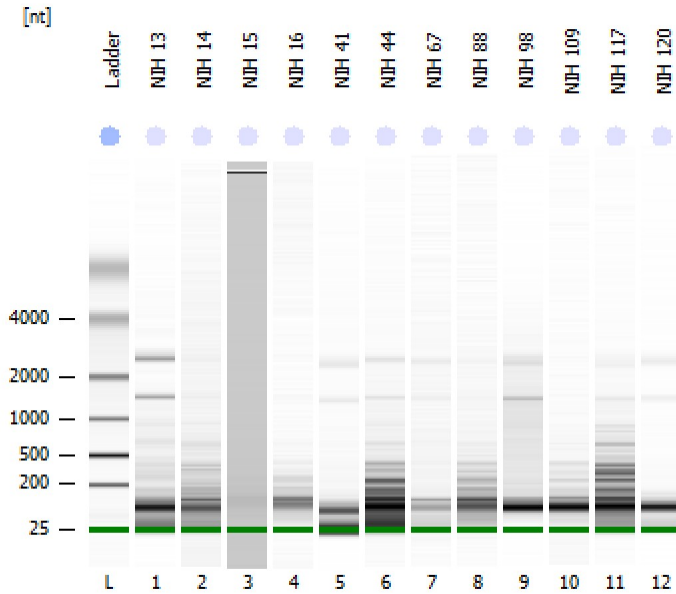


Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
Modified: 11/6/2023 2:36:38 PM

Electrophoresis File Run Summary



Instrument Information:

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

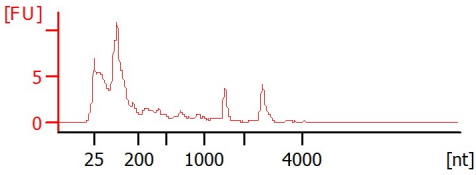
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

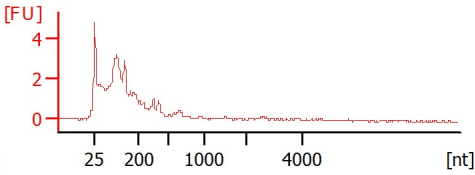
Chip Information:

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

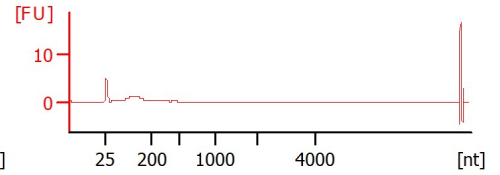
QC1666
RIN: 4.50
NIH 13



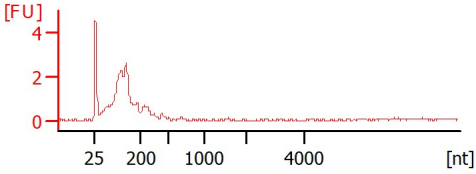
QC1666
RIN: 2.50
NIH 14



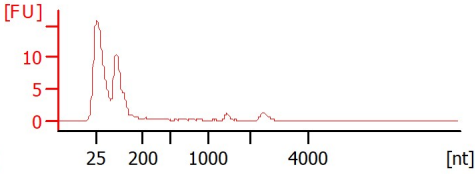
QC1666
RIN: 2.30
NIH 15



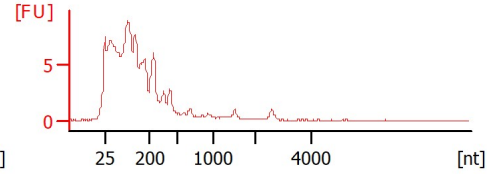
QC1666
RIN: 2.50
NIH 16



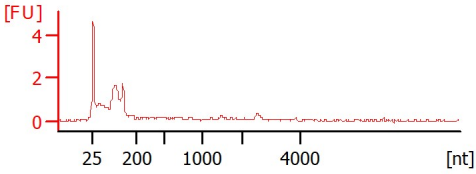
QC1666
RIN: 3.40
NIH 41



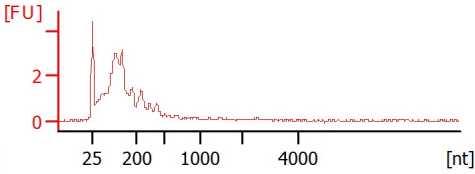
QC1666
RIN: 2.60
NIH 44



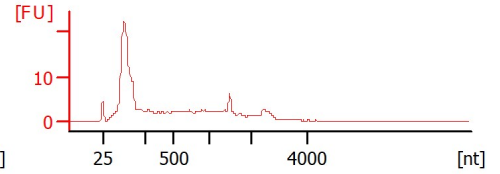
QC1666
RIN: 2.50
NIH 67



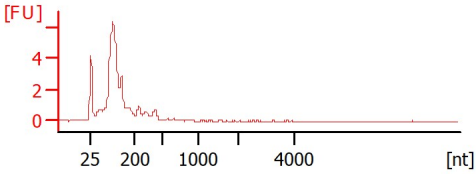
QC1666
RIN: 2.50
NIH 88



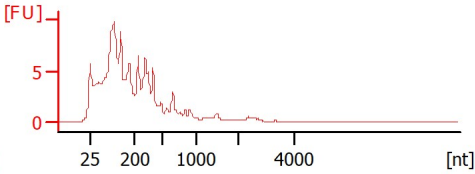
QC1666
RIN: 2.90
NIH 98



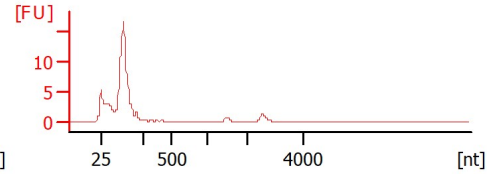
QC1666
RIN: 2.50
NIH 109



QC1666
RIN: 2.70
NIH 117



QC1666
RIN: 3
NIH 120



Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NIH 13	QC1666	✓	RIN: 4.50	
NIH 14	QC1666	✓	RIN: 2.50	
NIH 15	QC1666	✓	RIN: 2.30	
NIH 16	QC1666	✓	RIN: 2.50	
NIH 41	QC1666	✓	RIN: 3.40	
NIH 44	QC1666	✓	RIN: 2.60	
NIH 67	QC1666	✓	RIN: 2.50	
NIH 88	QC1666	✓	RIN: 2.50	
NIH 98	QC1666	✓	RIN: 2.90	
NIH 109	QC1666	✓	RIN: 2.50	
NIH 117	QC1666	✓	RIN: 2.70	
NIH 120	QC1666	✓	RIN:3	
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_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 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

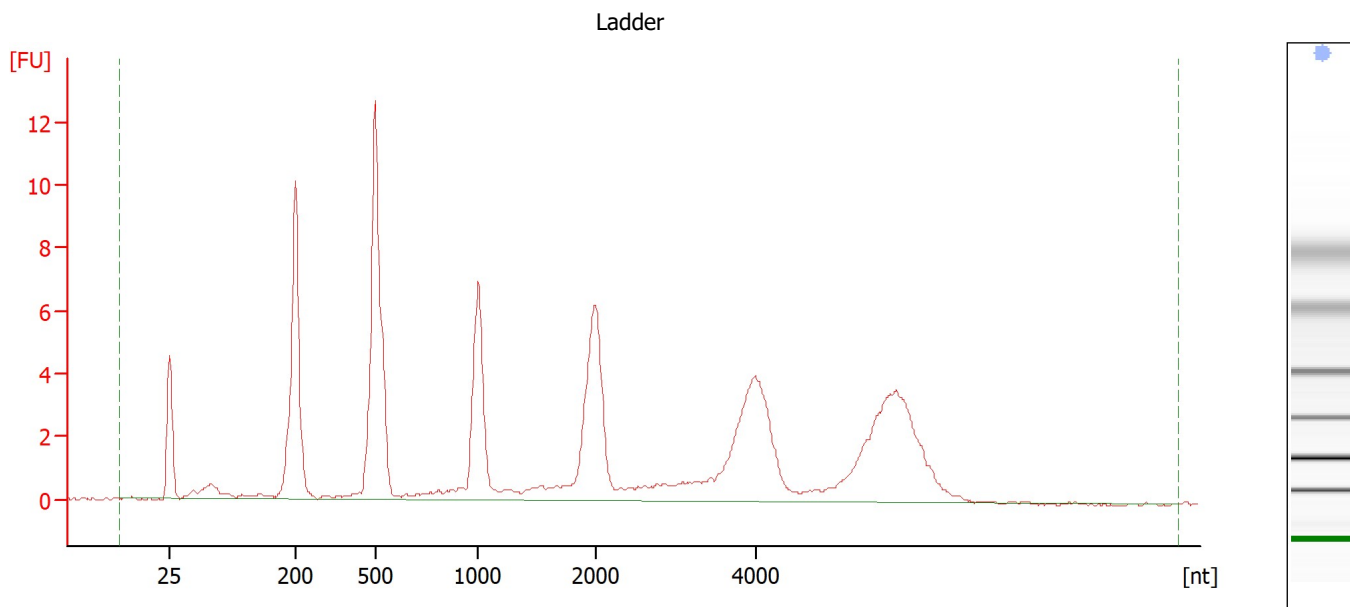
Ladder

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_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary



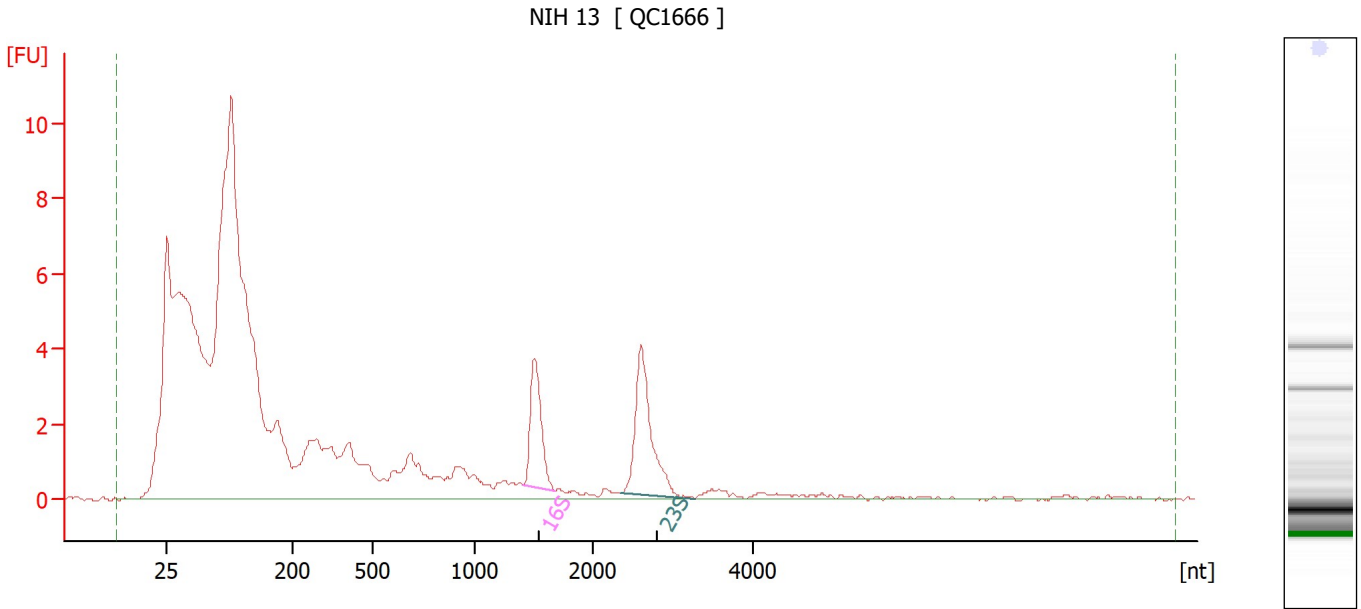
Overall Results for Ladder

RNA Area:	112.8	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_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : NIH 13

RNA Area:	145.1	RNA Integrity Number (RIN):	4.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	193 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.5	Result Flagging Label:	RIN: 4.50

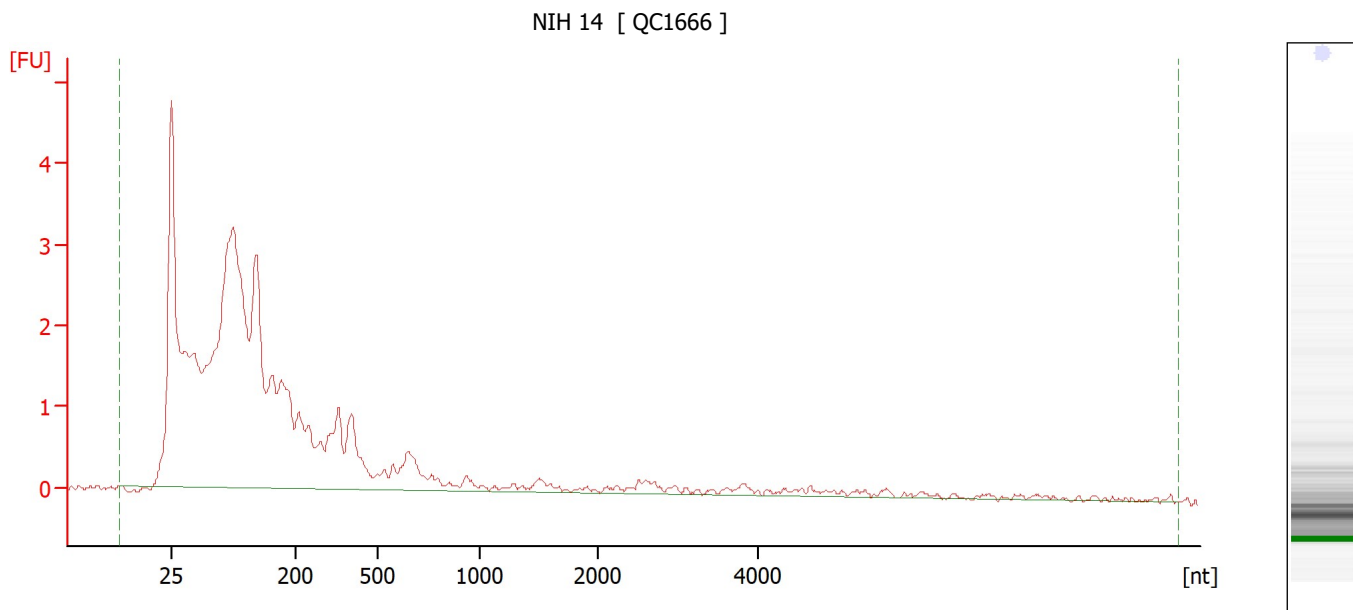
Fragment table for sample 1 : NIH 13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,409	1,681	5.1	3.5
23S	2,360	3,280	7.7	5.3

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...



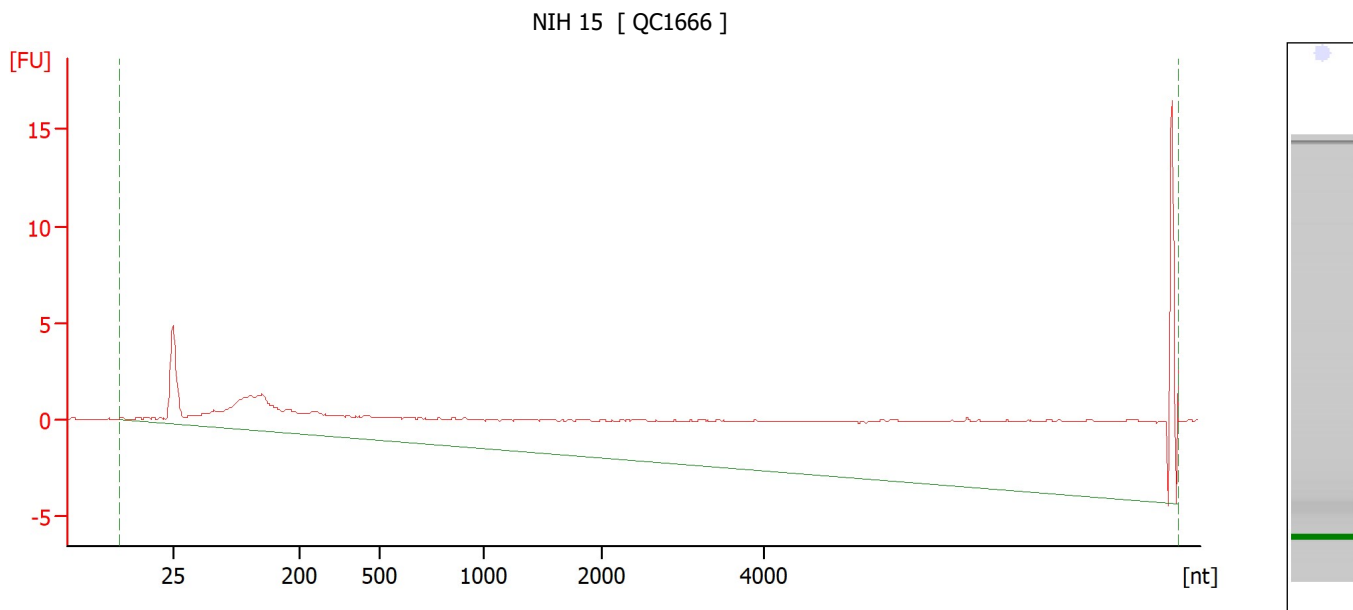
Overall Results for sample 2 : NIH 14

RNA Area:	52.7	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	70 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...



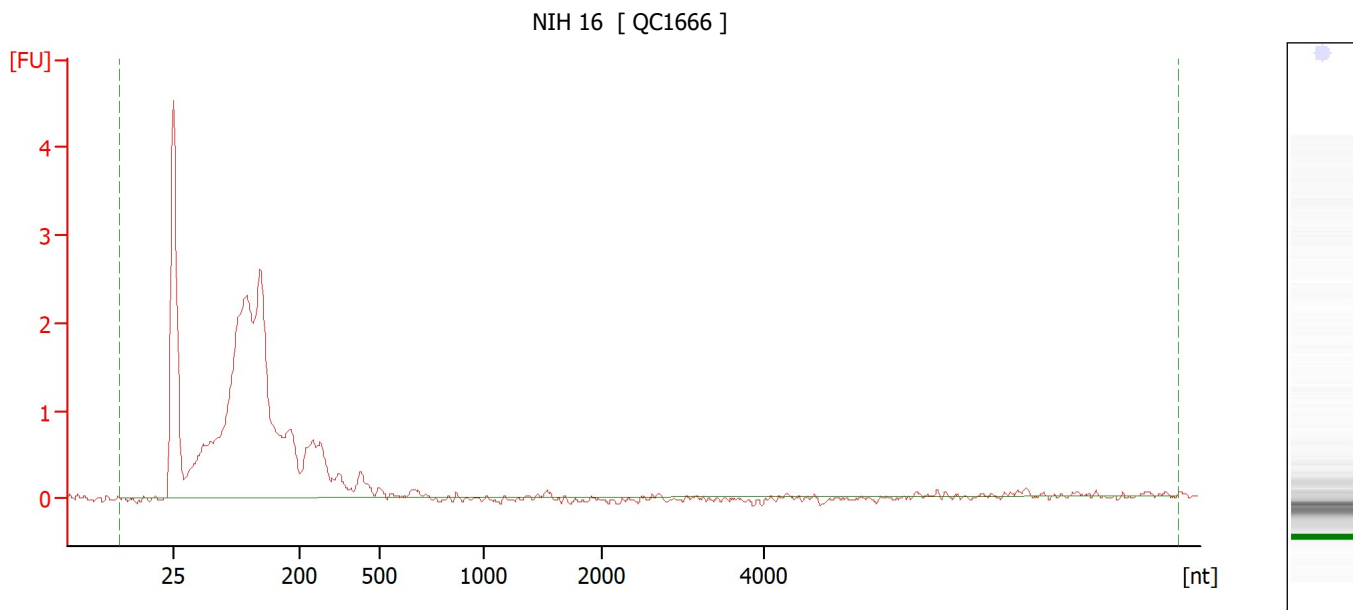
Overall Results for sample 3 : NIH 15

RNA Area:	232.8	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	310 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...



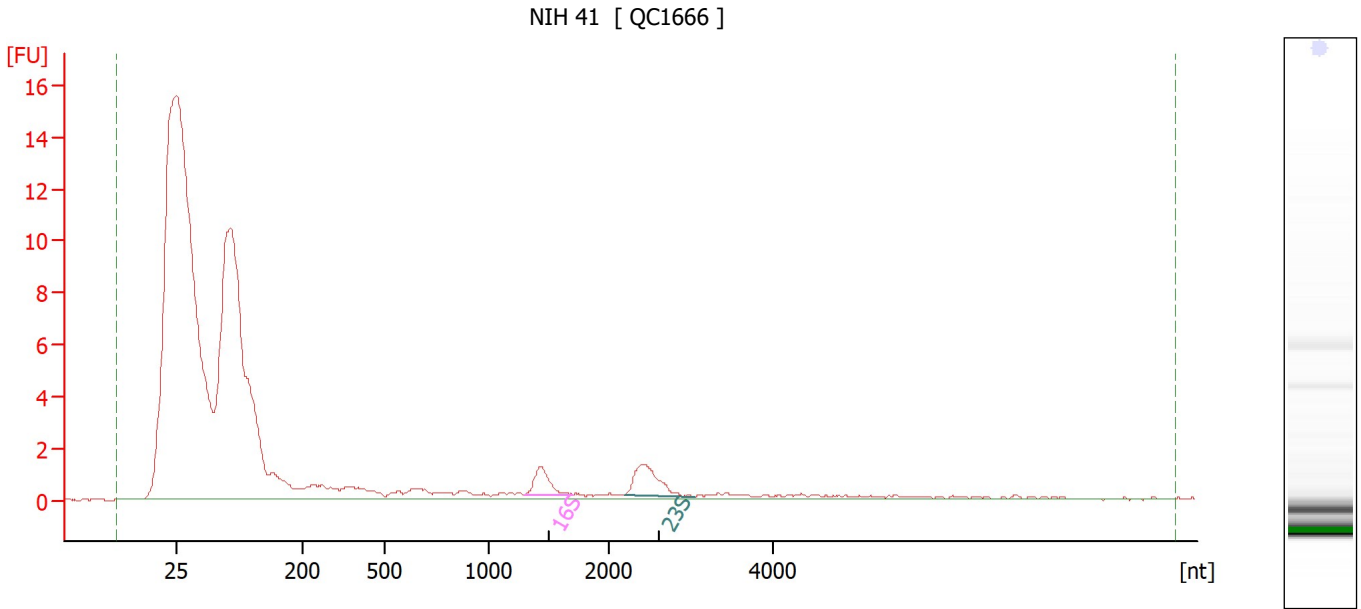
Overall Results for sample 4 : NIH 16

RNA Area:	28.0	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	37 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : NIH 41

RNA Area:	82.8	RNA Integrity Number (RIN):	3.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	110 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.6	Result Flagging Label:	RIN: 3.40

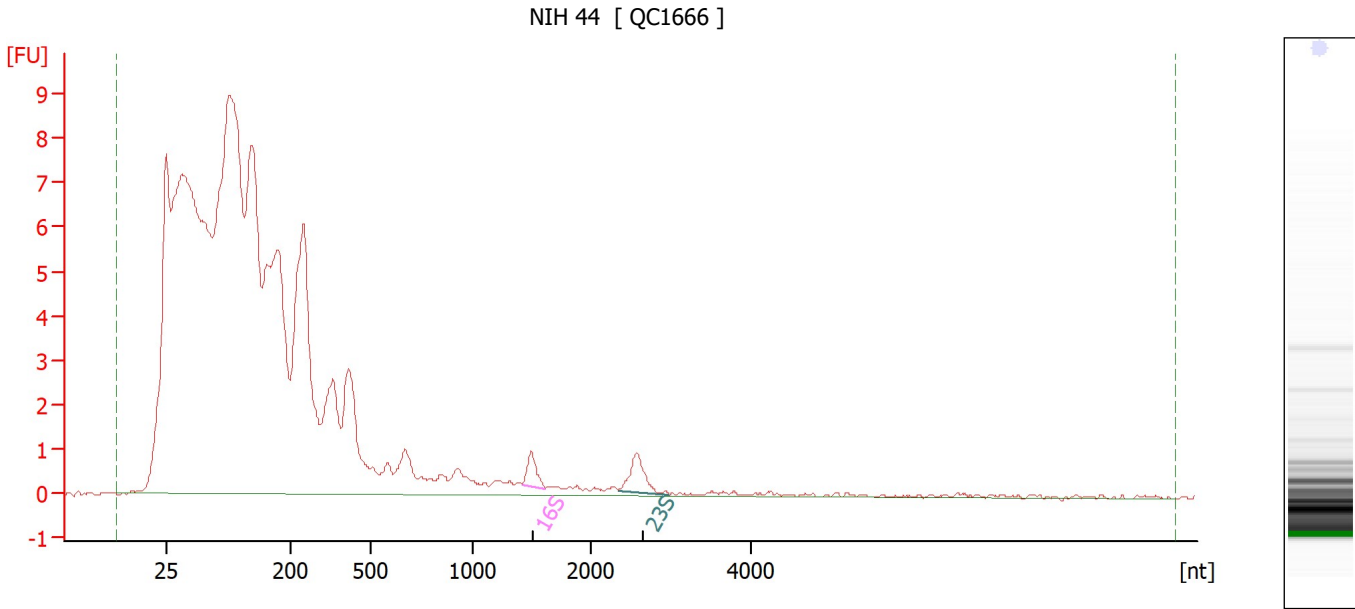
Fragment table for sample 5 : NIH 41

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,292	1,693	2.2	2.6
23S	2,205	3,043	3.4	4.1

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : NIH 44

RNA Area:	191.6	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	255 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.7	Result Flagging Label:	RIN: 2.60

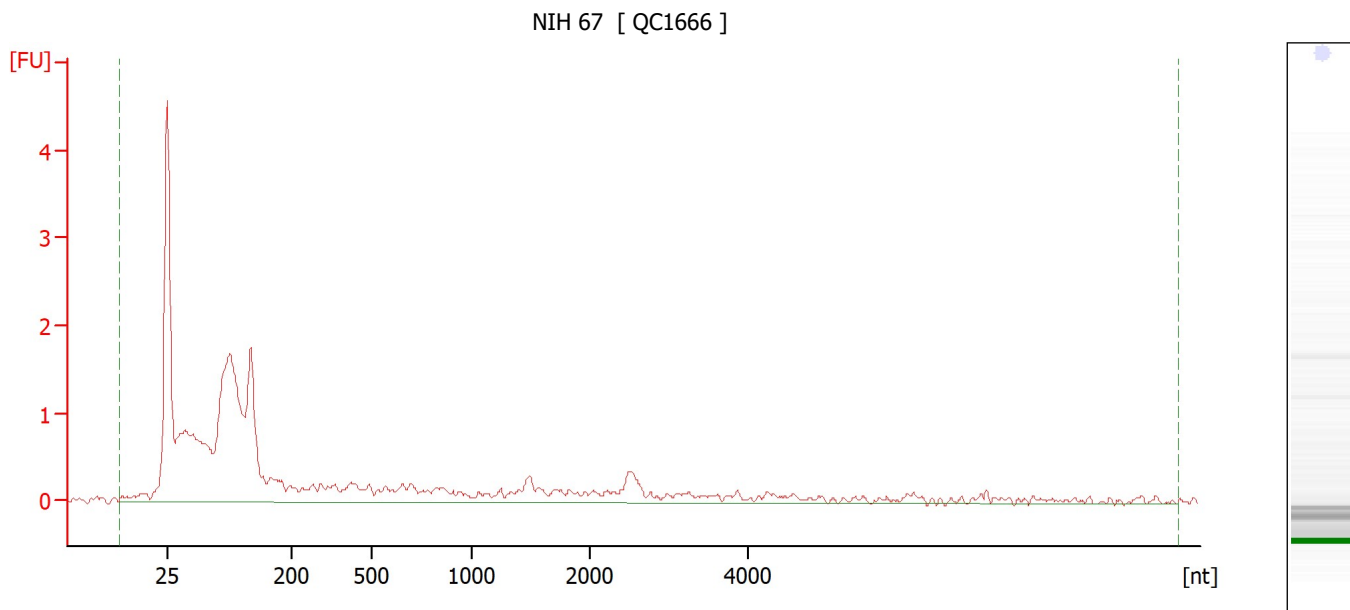
Fragment table for sample 6 : NIH 44

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,416	1,616	0.9	0.5
23S	2,346	2,987	1.6	0.8

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : NIH 67

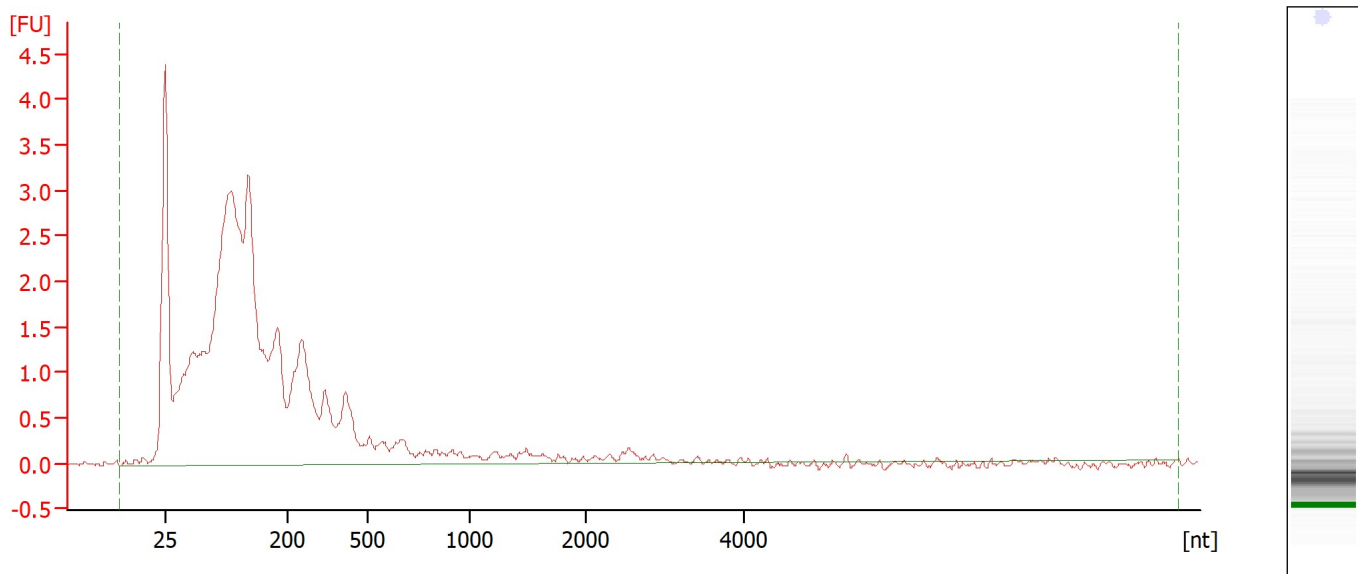
RNA Area:	26.1	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	35 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...

NIH 88 [QC1666]



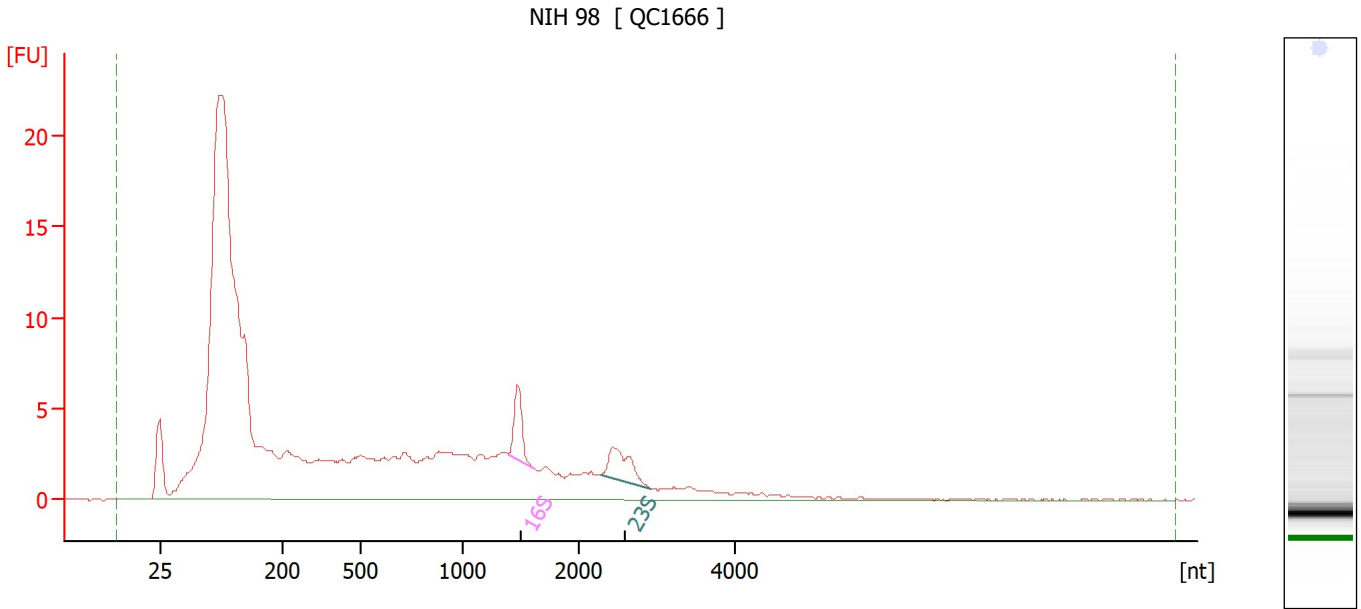
Overall Results for sample 8 : NIH 88

RNA Area:	48.8	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	65 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NIH 98

RNA Area:	259.0	RNA Integrity Number (RIN):	2.9 (B.02.10)
RNA Concentration:	344 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.1	Result Flagging Label:	RIN: 2.90

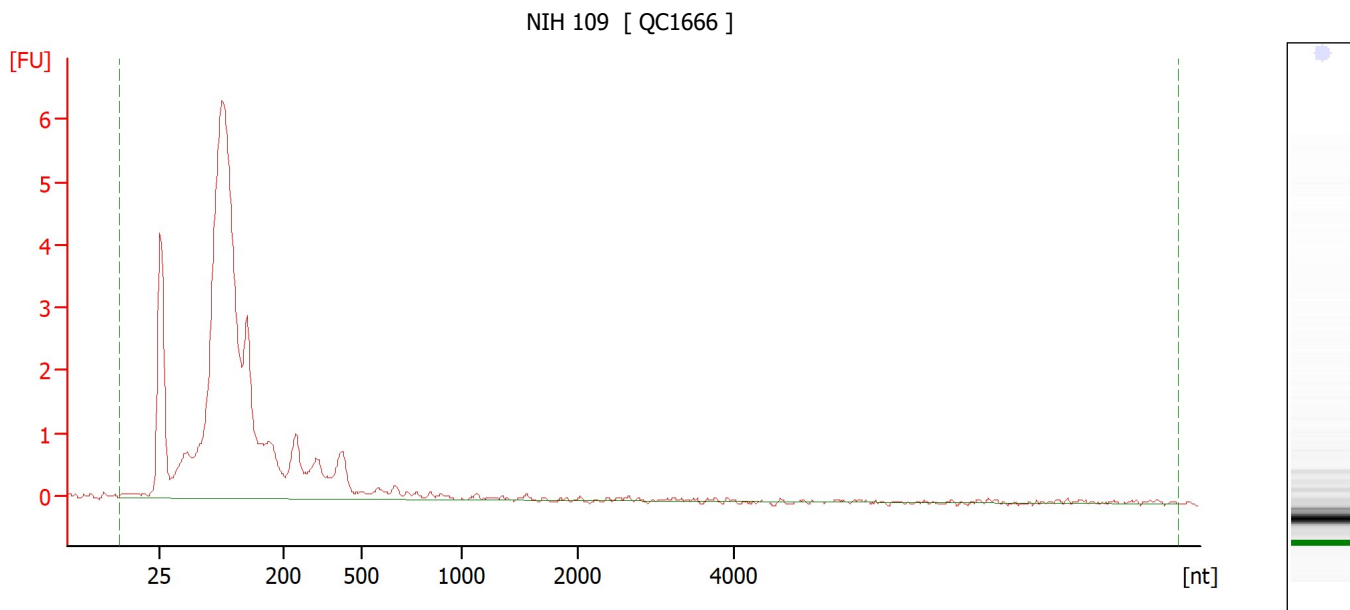
Fragment table for sample 9 : NIH 98

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,393	1,624	4.4	1.7
23S	2,289	2,926	4.9	1.9

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...



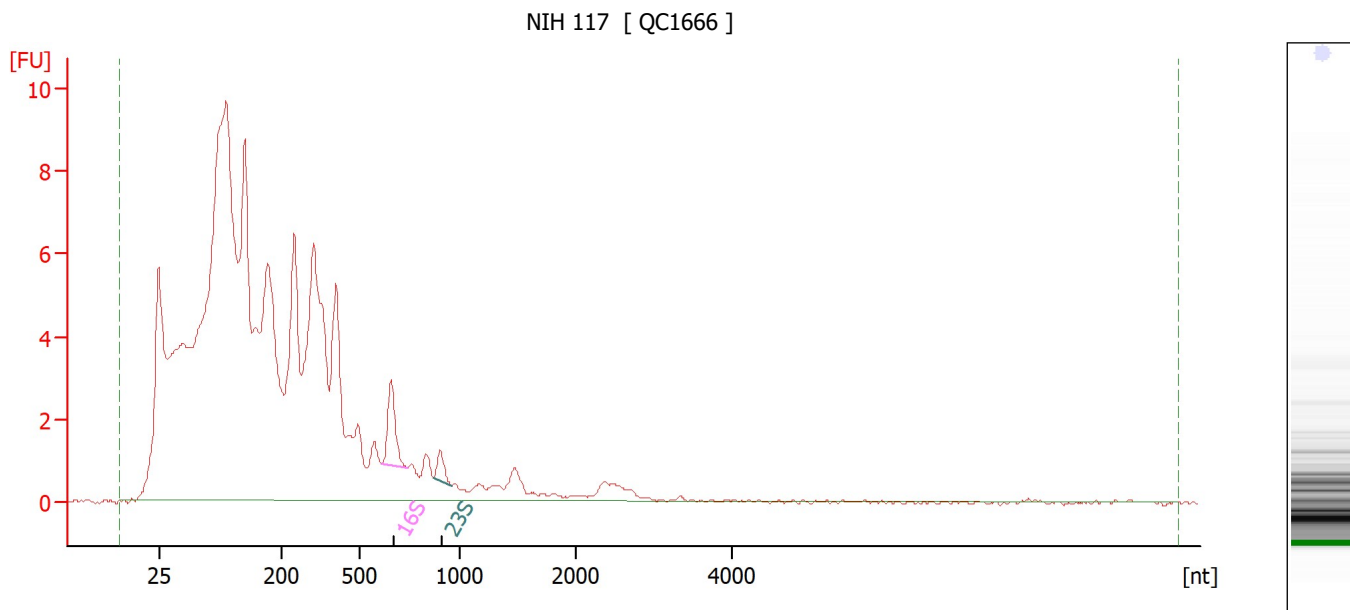
Overall Results for sample 10 : NIH 109

RNA Area:	50.4	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	67 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : NIH 117

RNA Area:	183.8	RNA Integrity Number (RIN):	2.7 (B.02.10)
RNA Concentration:	244 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	0.3	Result Flagging Label:	RIN: 2.70

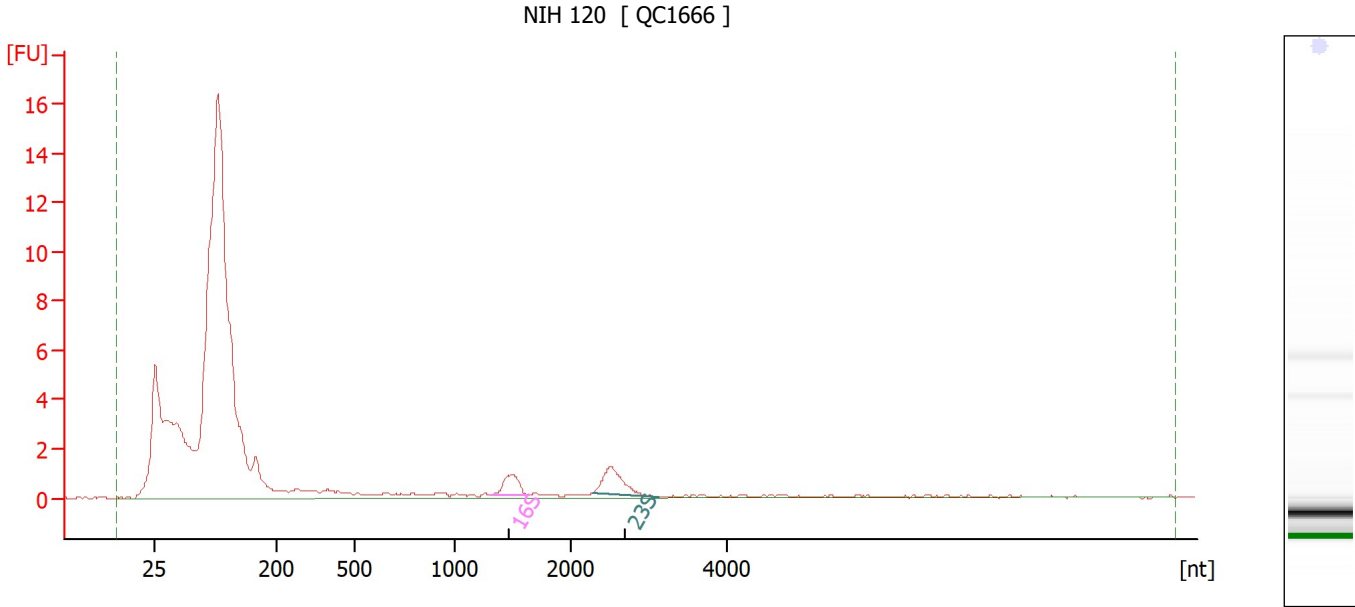
Fragment table for sample 11 : NIH 117

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	608	736	2.7	1.4
23S	864	955	0.7	0.4

Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : NIH 120

RNA Area:	110.4	RNA Integrity Number (RIN):	3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	147 ng/μl	Result Flagging Color:	
rRNA Ratio [23s / 16s]:	1.7	Result Flagging Label:	RIN:3

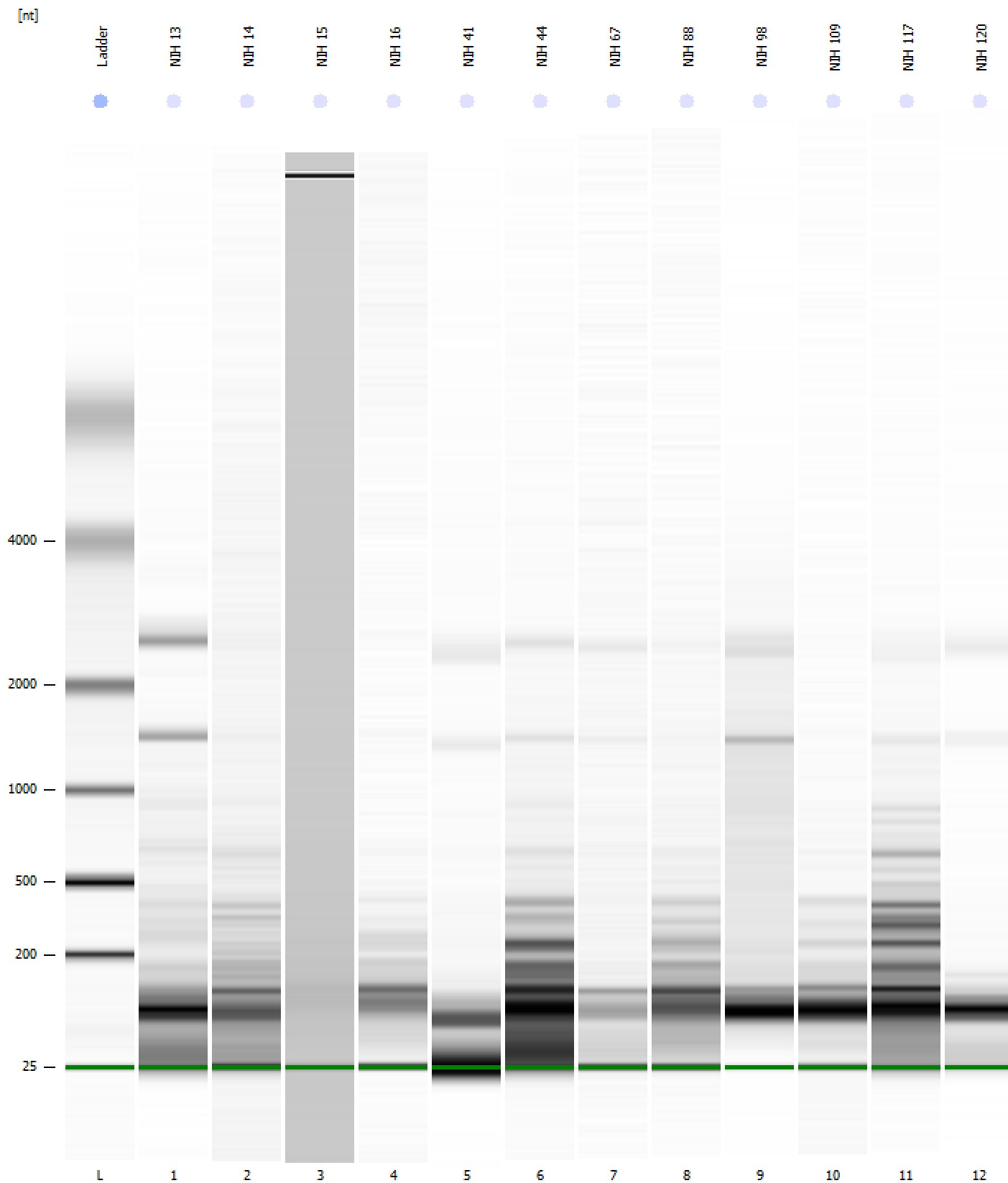
Fragment table for sample 12 : NIH 120

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,310	1,645	1.8	1.6
23S	2,301	3,149	3.0	2.7

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
Modified: 11/6/2023 2:36:38 PM

Gel Image

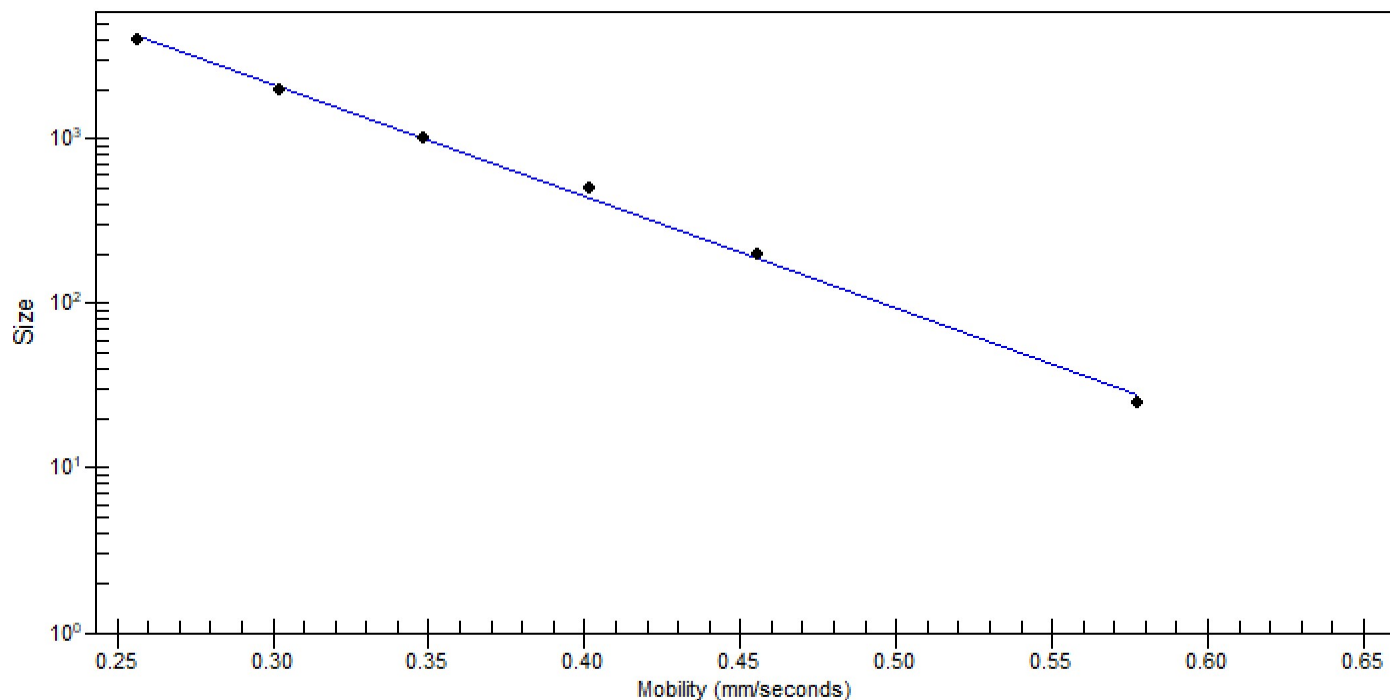


Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
Modified: 11/6/2023 2:36:38 PM

Curves

Standard Curve



Assay Class: Prokaryote Total RNA Nano
 Data Path: C:\...er1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad

Created: 11/6/2023 2:09:42 PM
 Modified: 11/6/2023 2:36:38 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		11/6/2023 2:33:33 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\2023-11-06\Bioanalyzer1_Prokaryote Total RNA Nano_DE34903152_2023-11-06_001.xad)		Instrument	Run		11/6/2023 2:09:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/6/2023 2:09:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/6/2023 2:09:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/6/2023 2:09:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/6/2023 2:09:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/6/2023 2:09:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/6/2023 2:09:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB