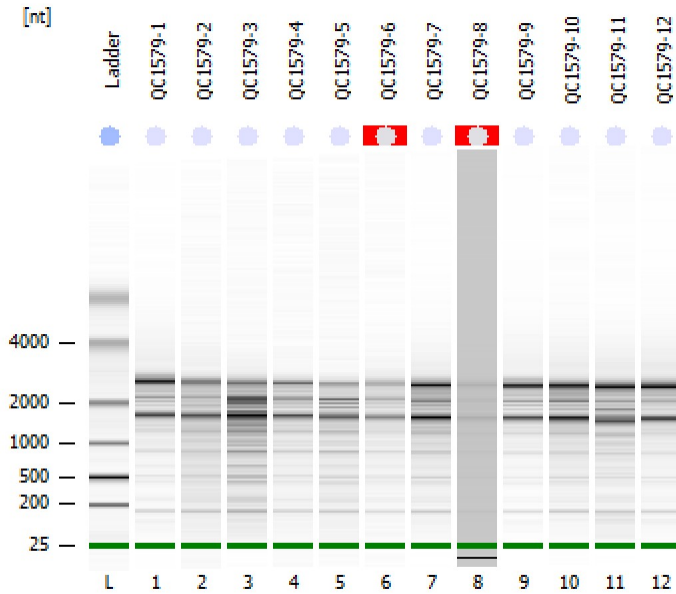


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
Modified: 8/15/2023 9:13:37 AM

Electrophoresis File Run Summary



Instrument Information:

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

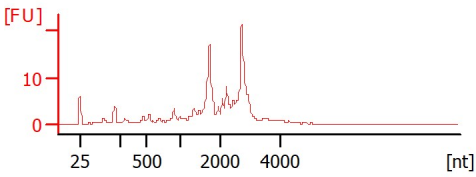
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

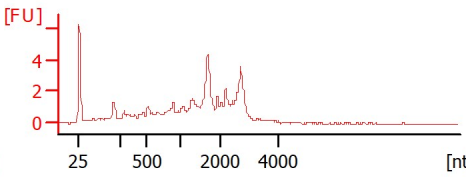
Chip Information:

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

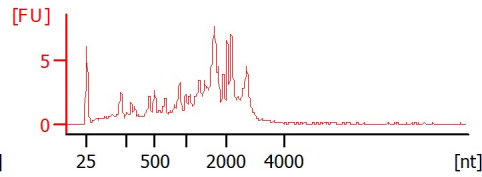
QC1579-1
RIN: 7.60



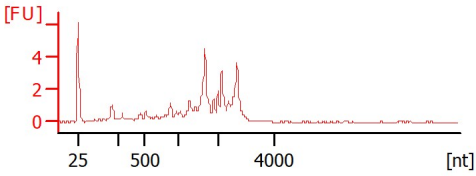
QC1579-2
RIN: 6.70



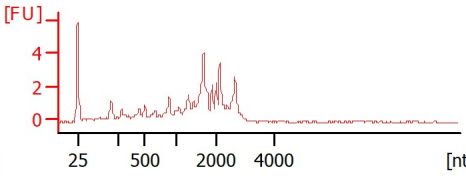
QC1579-3
RIN: 5.60



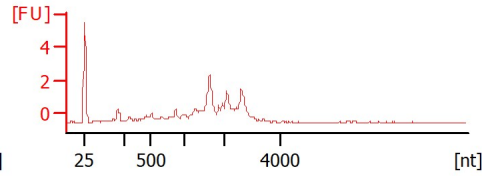
QC1579-4
RIN: 7.50



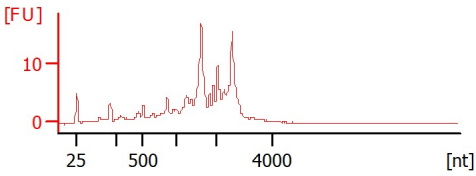
QC1579-5
RIN: 7.30



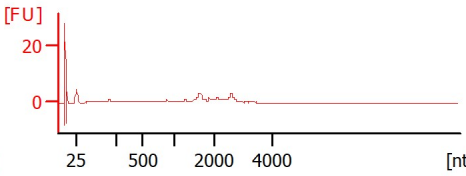
QC1579-6
RIN N/A



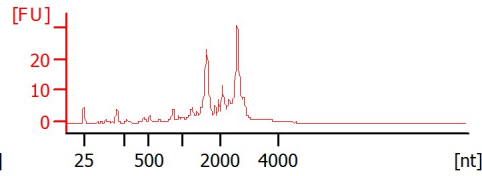
QC1579-7
RIN: 6.90



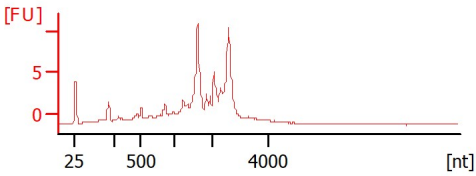
QC1579-8
RIN N/A



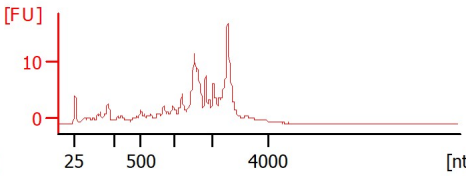
QC1579-9
RIN: 8.60



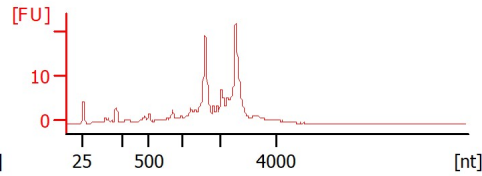
QC1579-10
RIN: 8.50



QC1579-11
RIN: 8.40



QC1579-12
RIN: 9.10



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1579-1		✓	RIN: 7.60	
QC1579-2		✓	RIN: 6.70	
QC1579-3		✓	RIN: 5.60	
QC1579-4		✓	RIN: 7.50	
QC1579-5		✓	RIN: 7.30	
QC1579-6		✓	RIN N/A	
QC1579-7		✓	RIN: 6.90	
QC1579-8		✓	RIN N/A	
QC1579-9		✓	RIN: 8.60	
QC1579-10		✓	RIN: 8.50	
QC1579-11		✓	RIN: 8.40	
QC1579-12		✓	RIN: 9.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

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

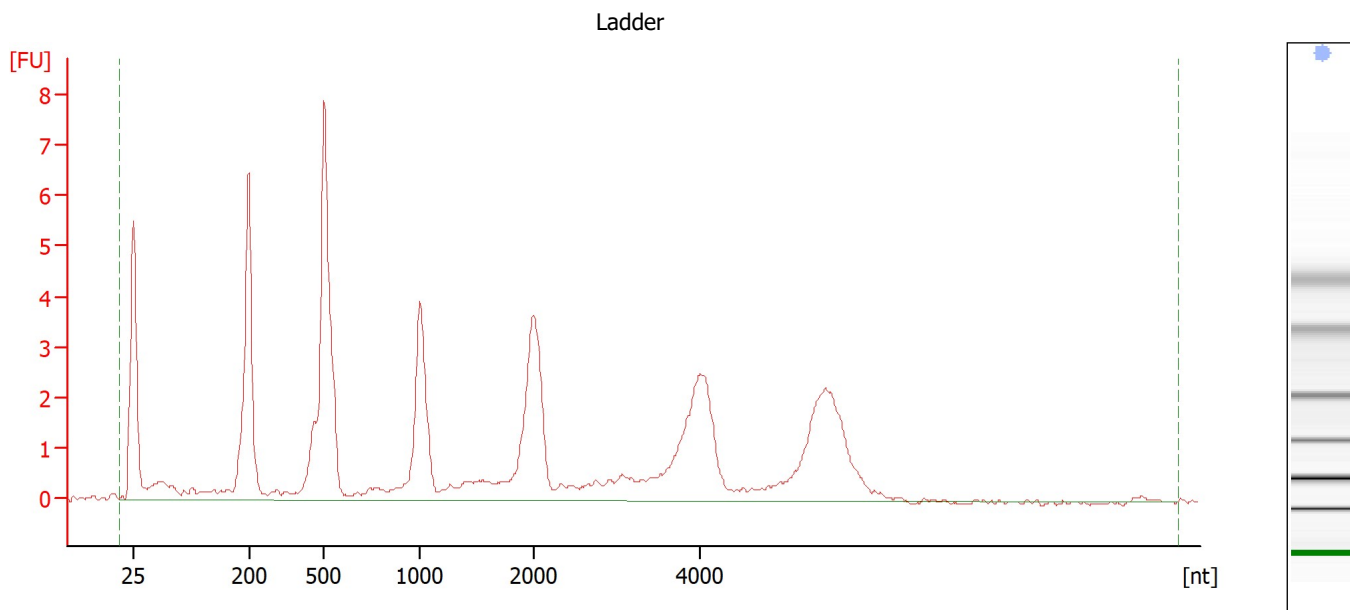
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 76.7

Result Flagging Color:



RNA Concentration: 150 ng/μl

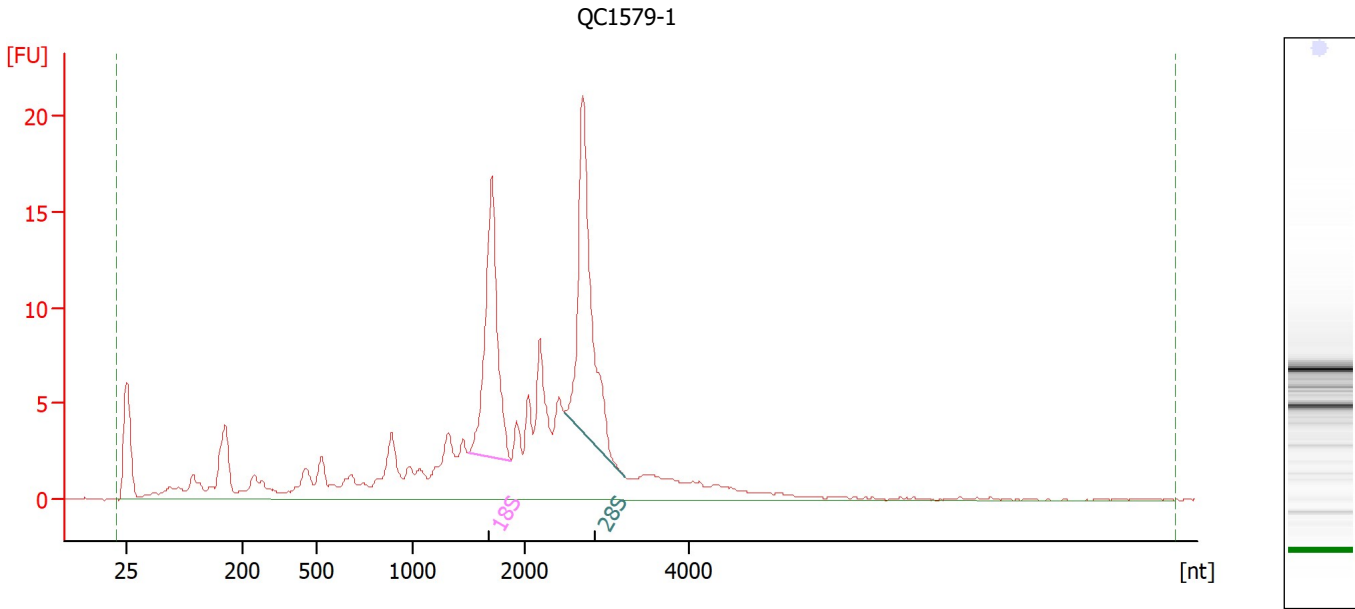
Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : QC1579-1

RNA Area:	188.0	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	368 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.60

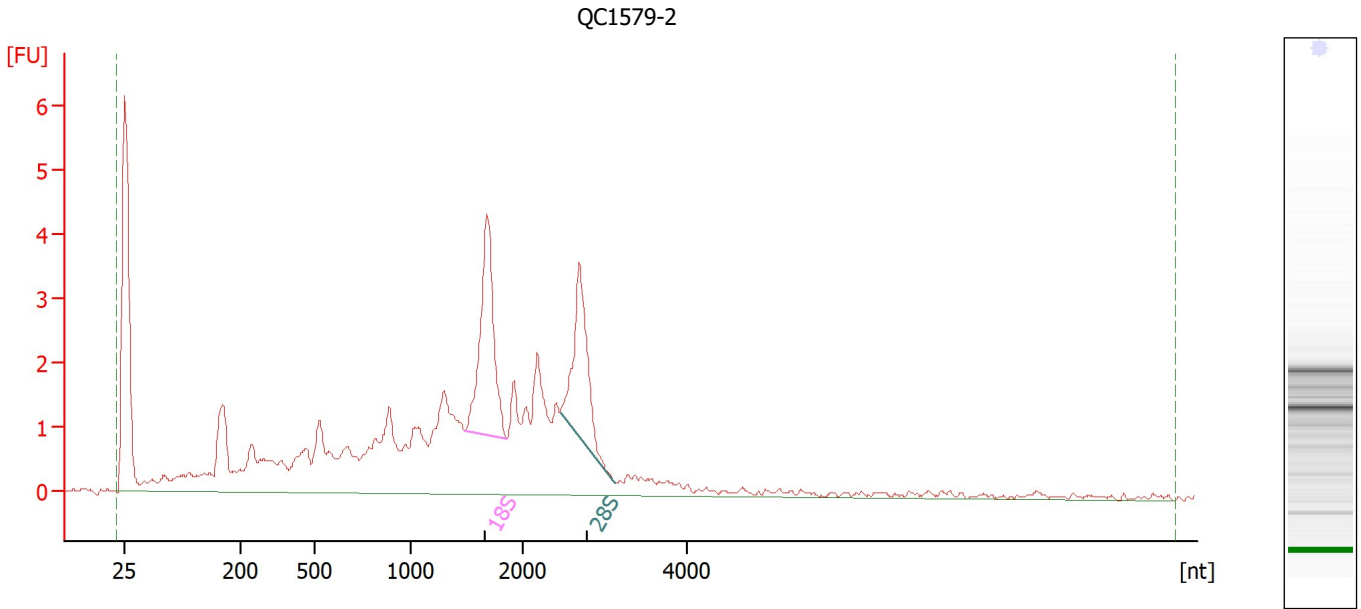
Fragment table for sample 1 : QC1579-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,499	1,875	25.1	13.3
28S	2,478	3,219	28.7	15.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : QC1579-2

RNA Area: 67.0 RNA Integrity Number (RIN): 6.7 (B.02.10)
RNA Concentration: 131 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.8 Result Flagging Label: RIN: 6.70

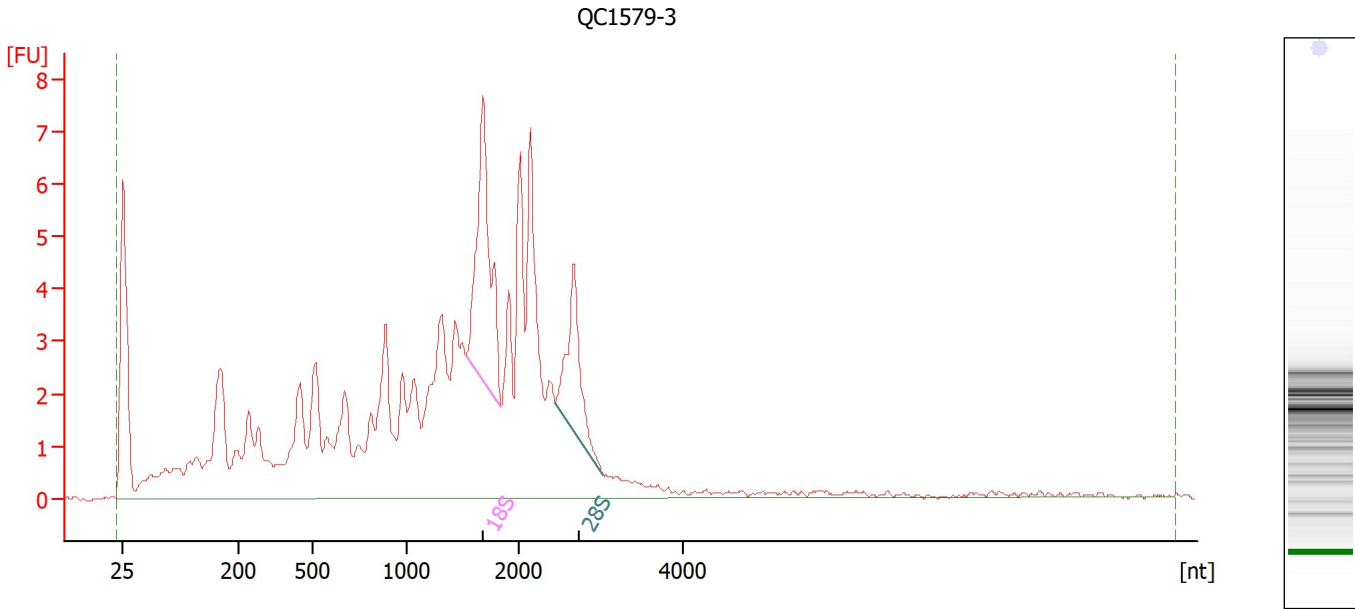
Fragment table for sample 2 : QC1579-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,487	1,855	6.6	9.8
28S	2,452	3,117	4.9	7.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QC1579-3

RNA Area:	127.2	RNA Integrity Number (RIN):	5.6 (B.02.10)
RNA Concentration:	249 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 5.60

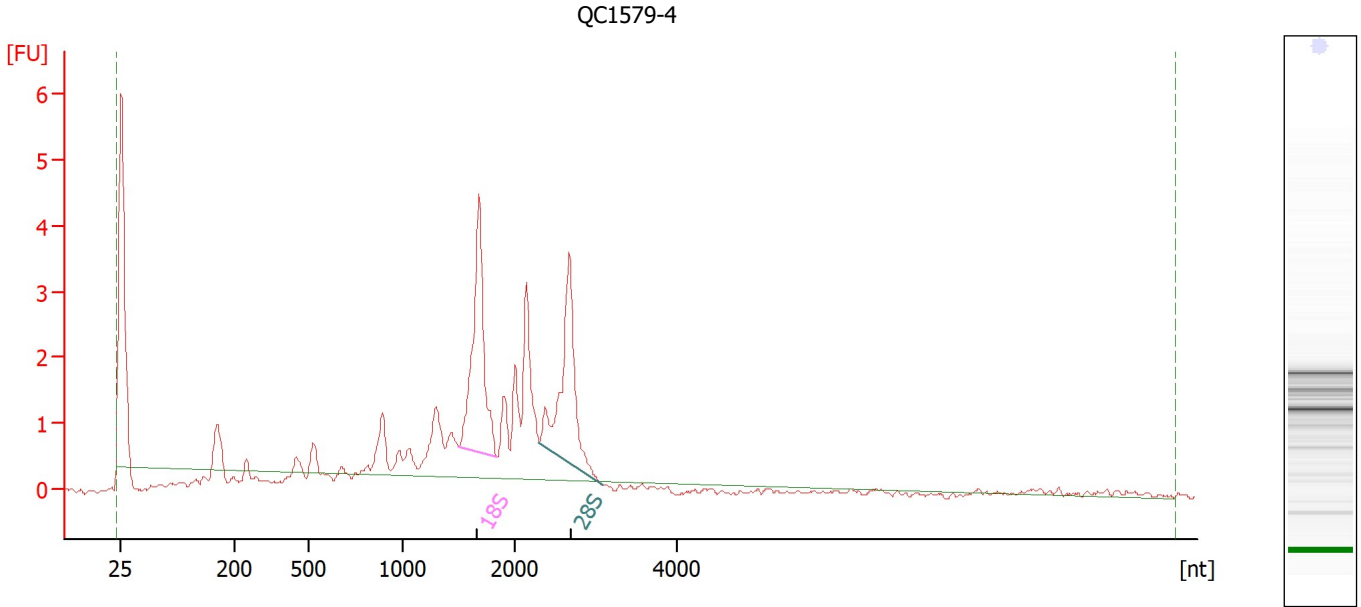
Fragment table for sample 3 : QC1579-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,531	1,844	10.4	8.2
28S	2,440	3,029	5.4	4.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1579-4

RNA Area:	28.9	RNA Integrity Number (RIN):	7.5 (B.02.10)
RNA Concentration:	57 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.50

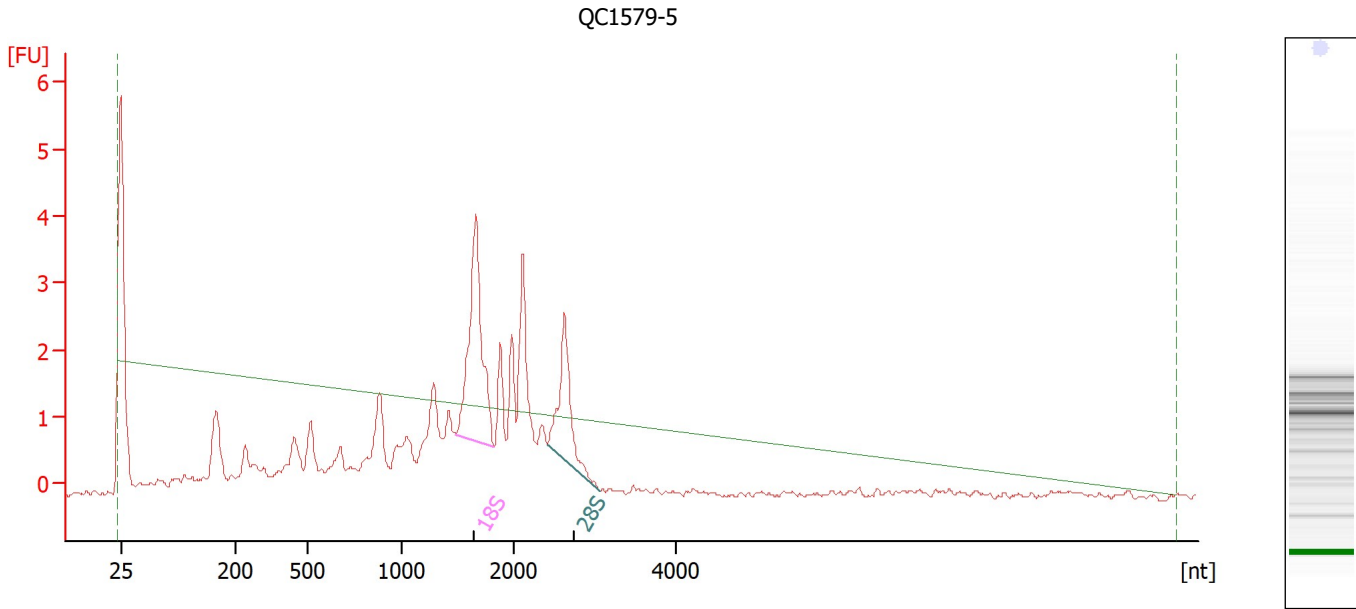
Fragment table for sample 4 : QC1579-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,499	1,842	6.2	21.5
28S	2,295	3,072	5.6	19.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1579-5

RNA Area:	7.4	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	15 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 7.30

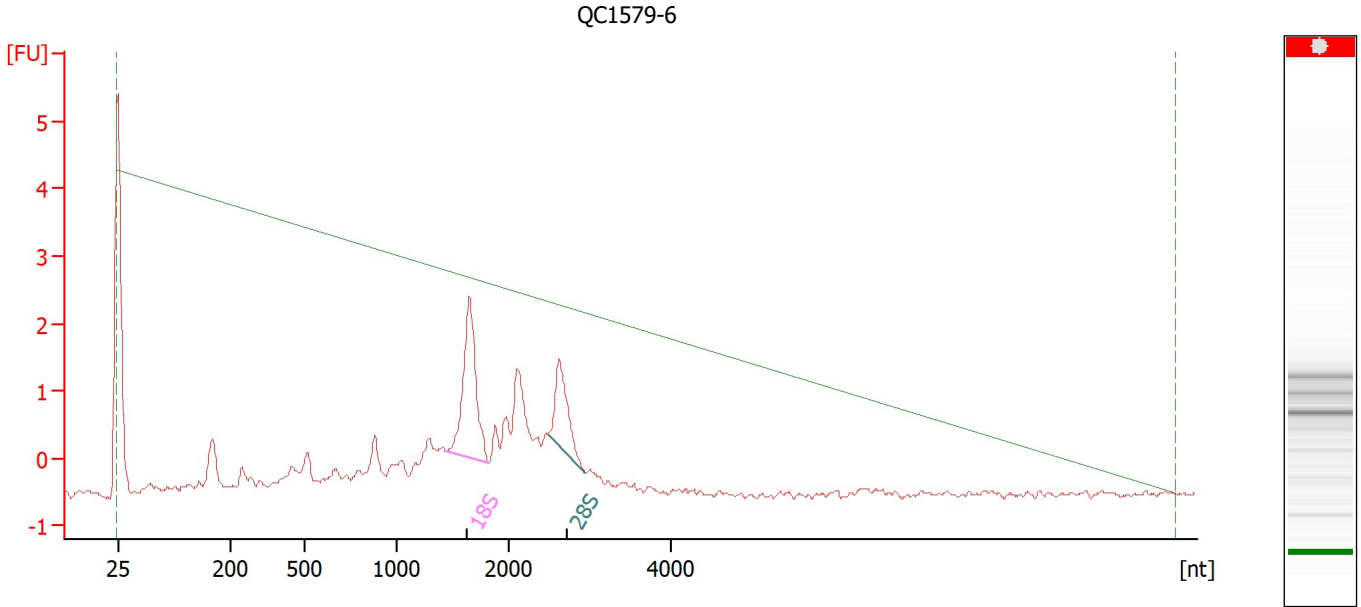
Fragment table for sample 5 : QC1579-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,487	1,822	6.2	83.4
28S	2,414	3,061	3.1	42.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1579-6

RNA Area:	-2.4	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	0 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN N/A

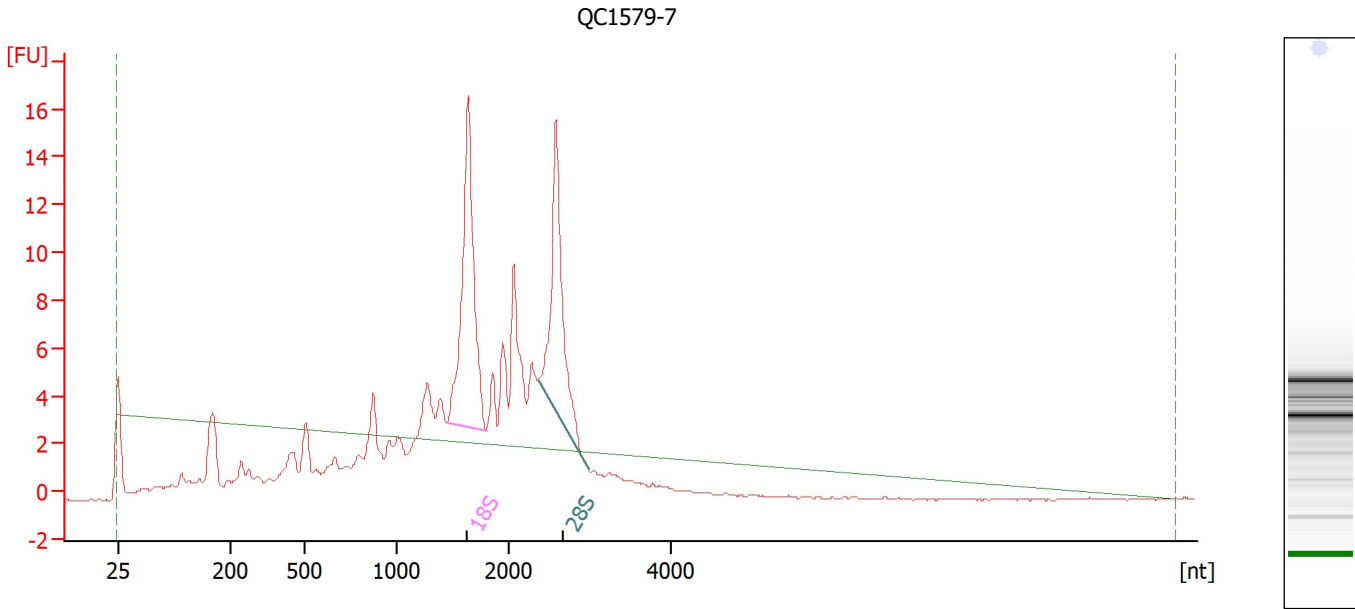
Fragment table for sample 6 : QC1579-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,426	1,820	4.5	-187.9
28S	2,494	2,945	2.2	-91.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1579-7

RNA Area:	76.9	RNA Integrity Number (RIN):	6.9 (B.02.10)
RNA Concentration:	151 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 6.90

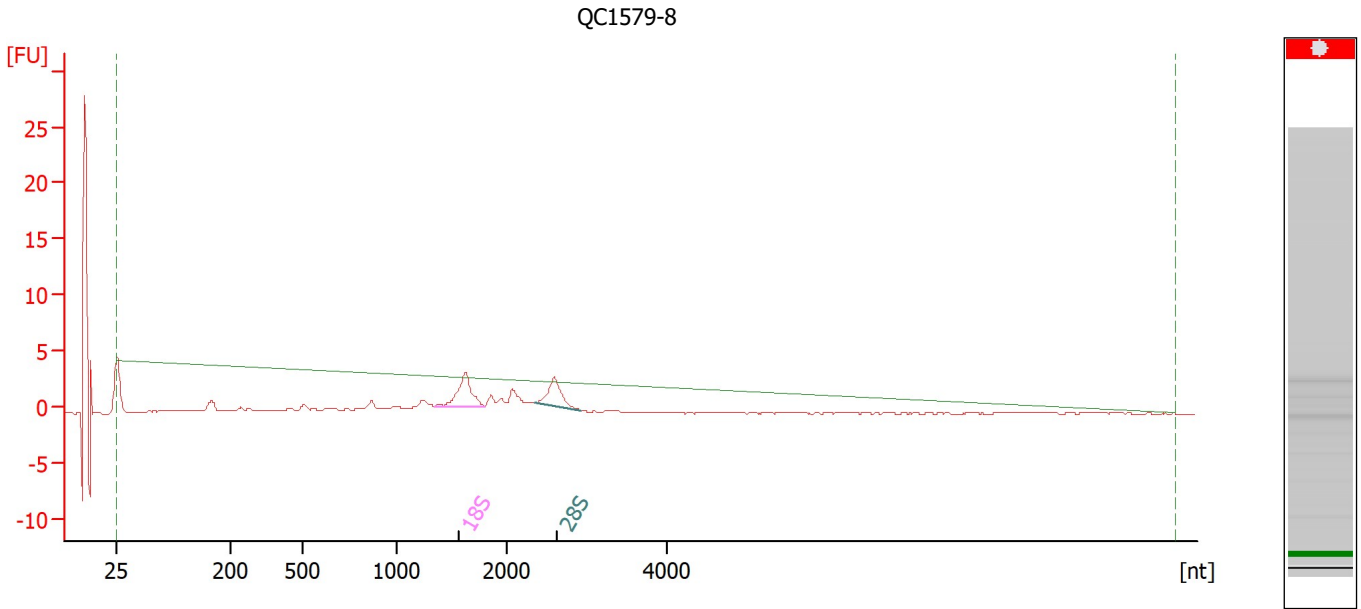
Fragment table for sample 7 : QC1579-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,435	1,800	23.6	30.7
28S	2,362	2,985	18.2	23.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1579-8

RNA Area:	-2.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	0 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN N/A

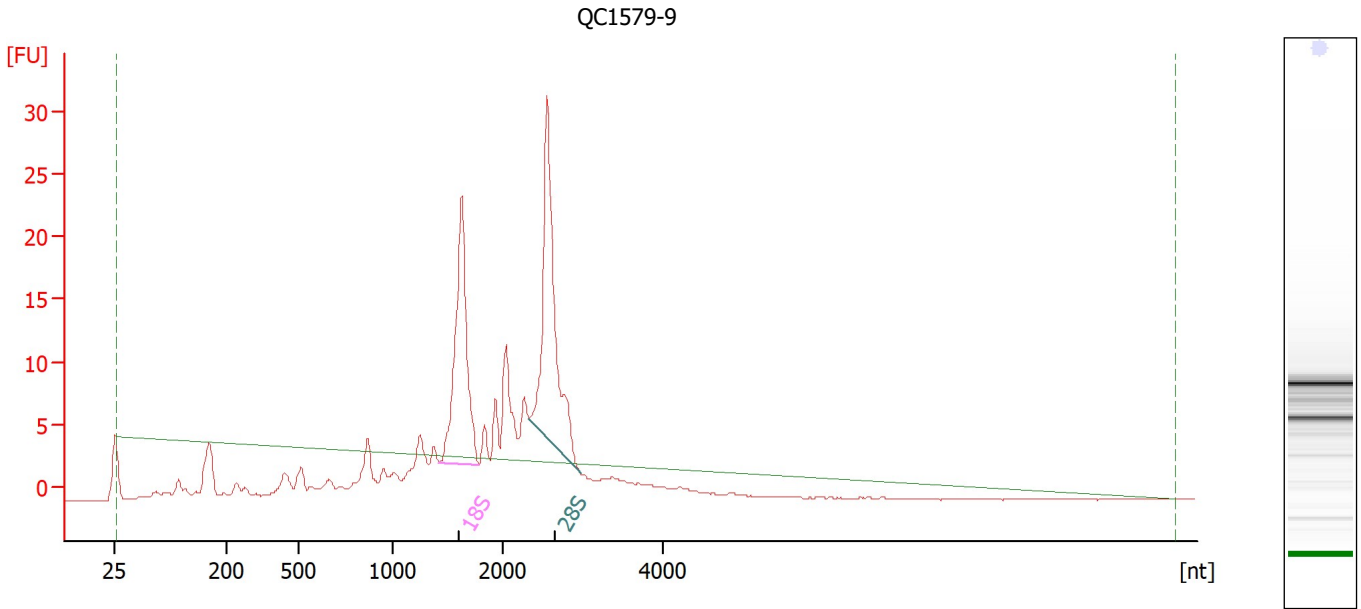
Fragment table for sample 8 : QC1579-8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,356	1,799	5.9	-287.0
28S	2,348	2,933	4.7	-227.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC1579-9

RNA Area:	102.9	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	201 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.60

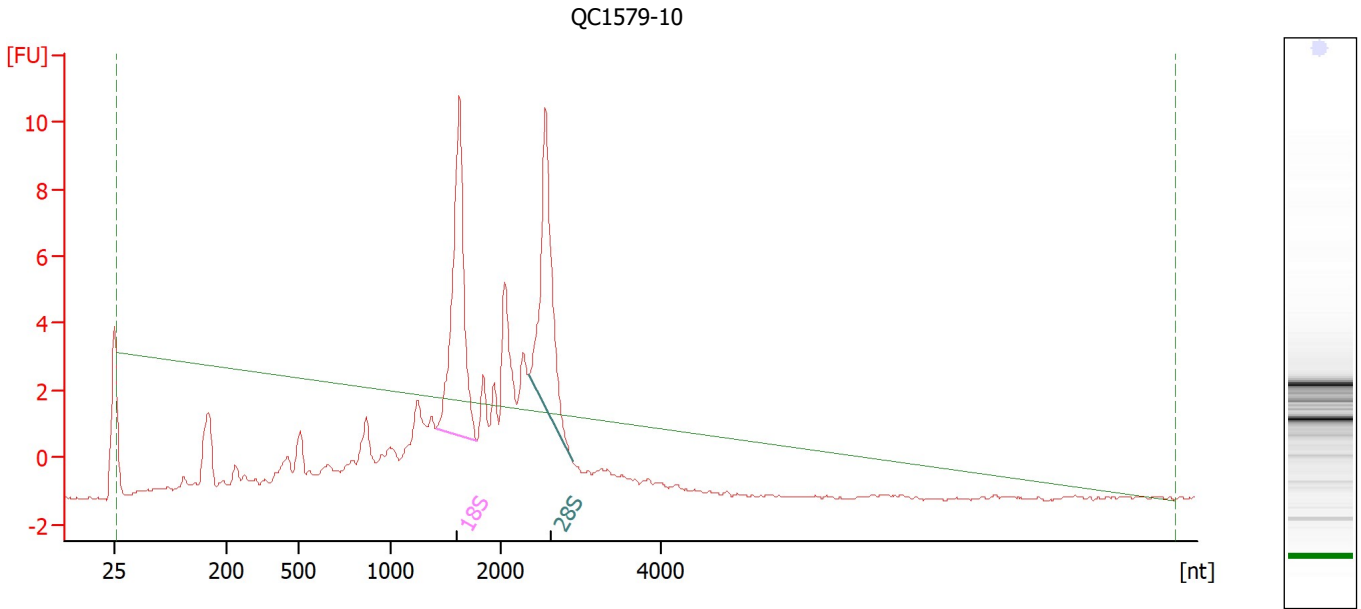
Fragment table for sample 9 : QC1579-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,429	1,787	36.4	35.4
28S	2,335	2,977	41.9	40.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : QC1579-10

RNA Area:	27.9	RNA Integrity Number (RIN):	8.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	55 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 8.50

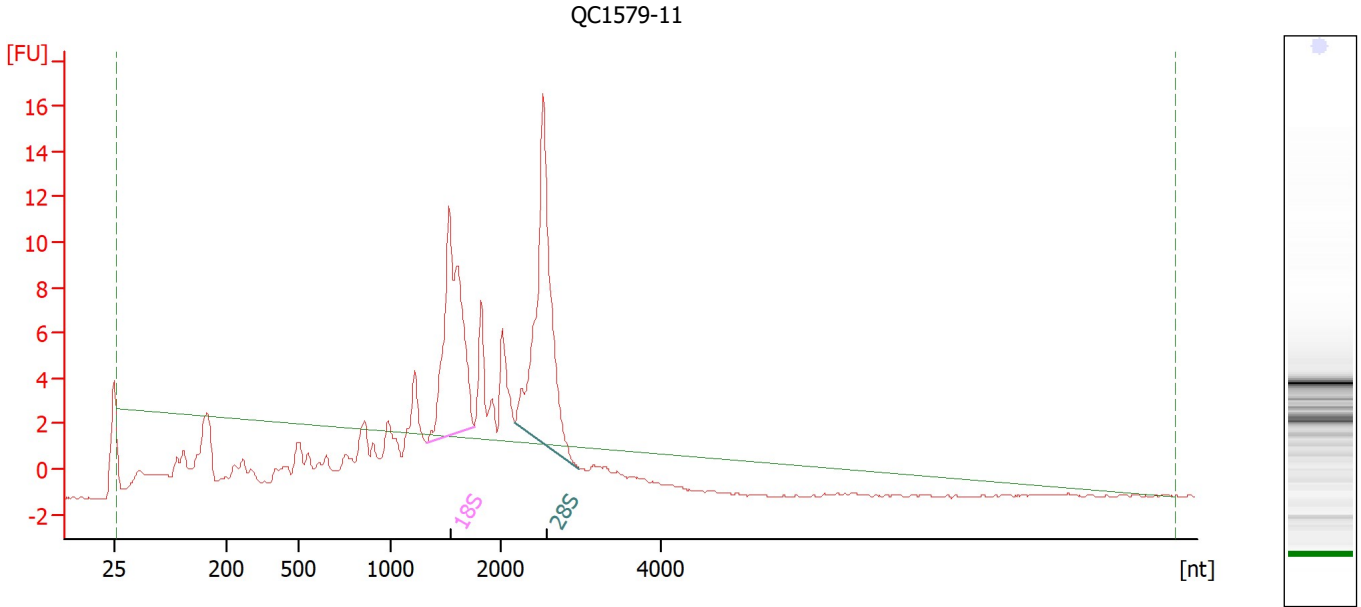
Fragment table for sample 10 : QC1579-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,417	1,777	16.8	60.4
28S	2,348	2,898	13.6	48.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : QC1579-11

RNA Area:	67.0	RNA Integrity Number (RIN):	8.4 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	131 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.40

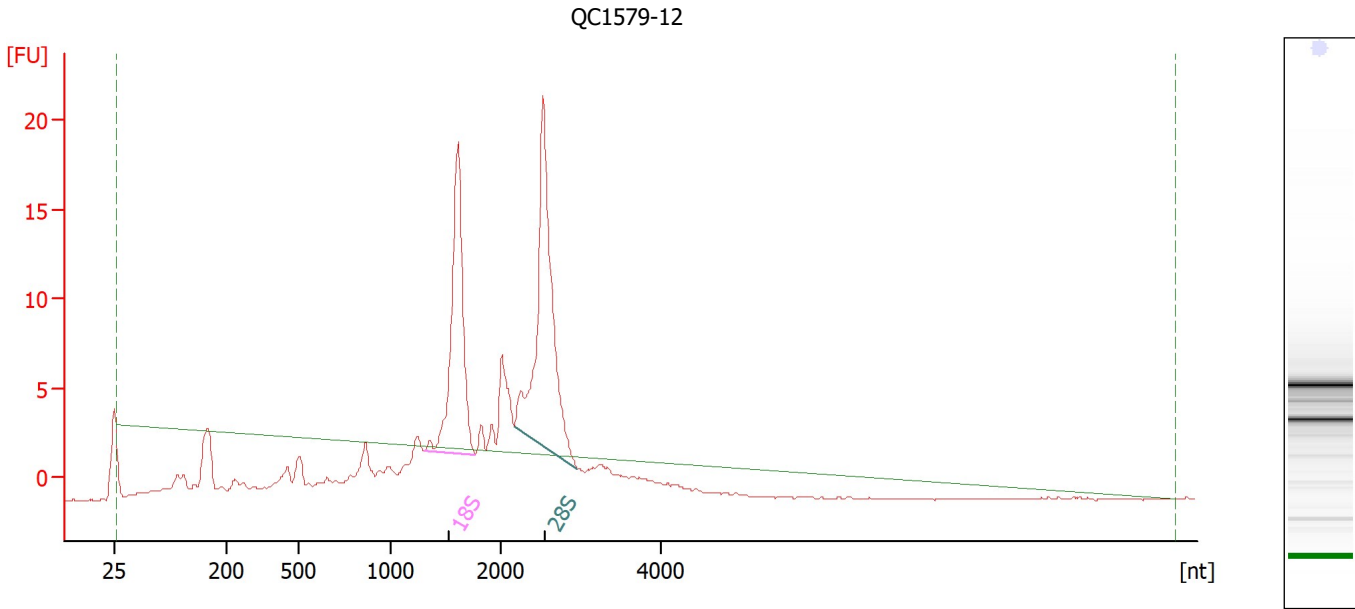
Fragment table for sample 11 : QC1579-11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,330	1,757	25.2	37.6
28S	2,188	2,992	29.7	44.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
 Modified: 8/15/2023 9:13:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : QC1579-12

RNA Area:	74.6	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	146 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.10

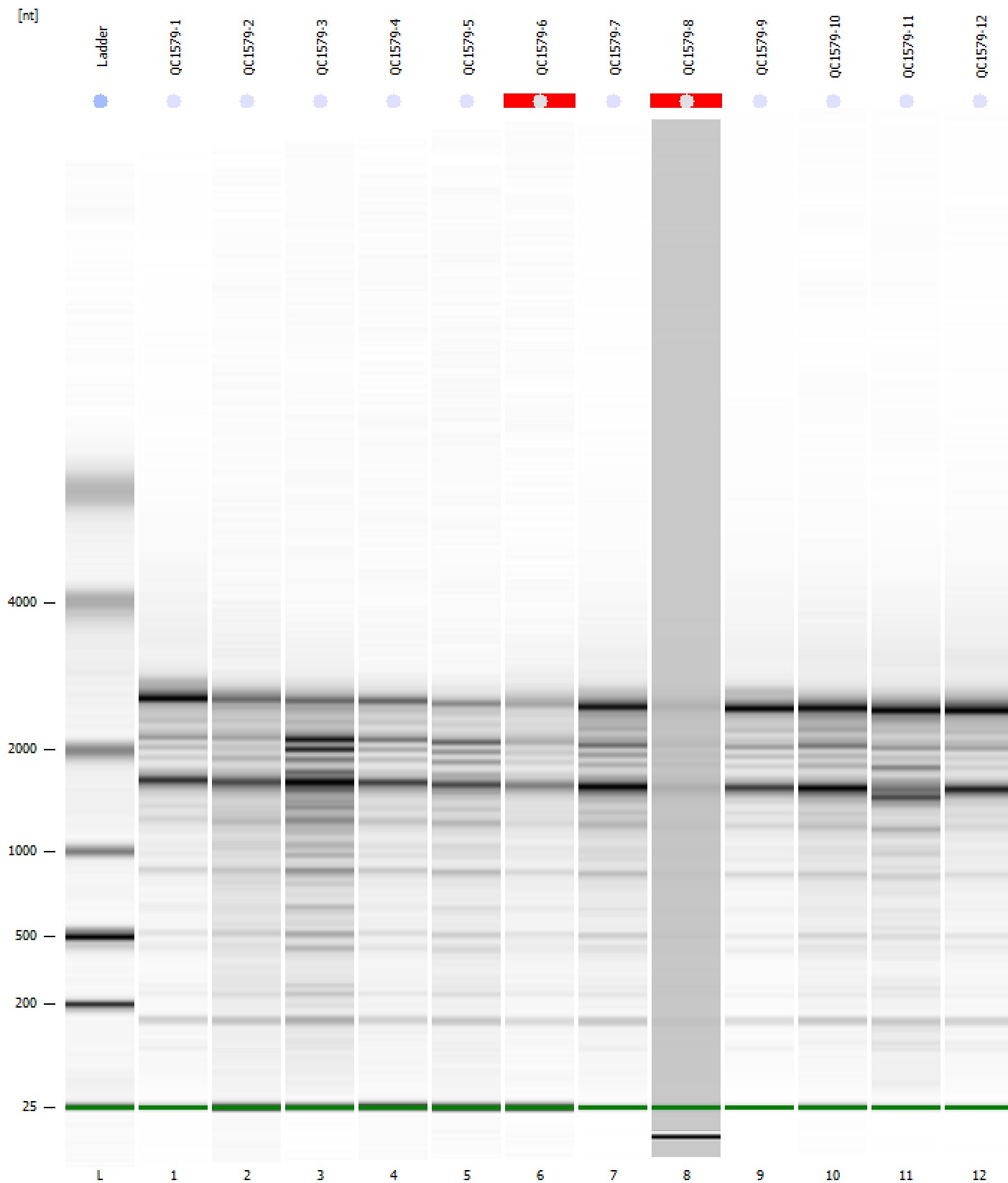
Fragment table for sample 12 : QC1579-12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,311	1,767	28.9	38.8
28S	2,174	2,965	38.8	52.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
Modified: 8/15/2023 9:13:37 AM

Gel Image

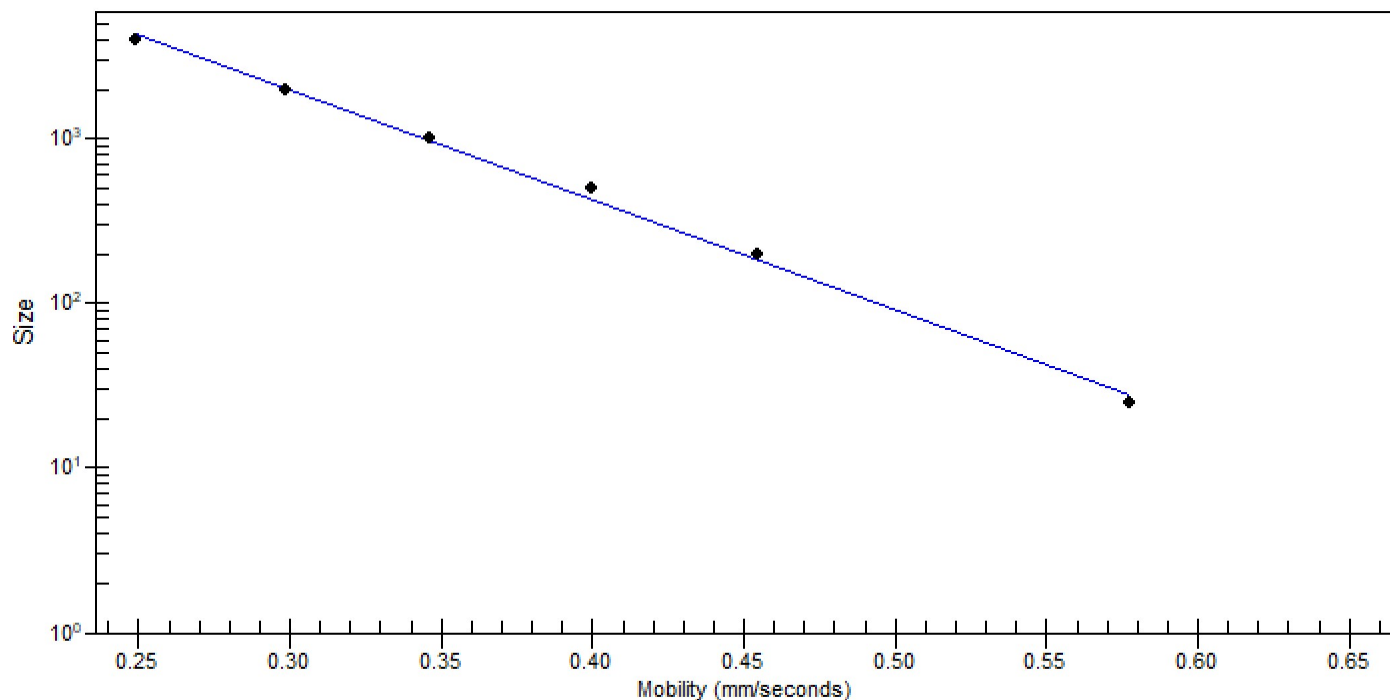


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad

Created: 8/14/2023 4:32:21 PM
Modified: 8/15/2023 9:13:37 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano Created: 8/14/2023 4:32:21 PM
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad Modified: 8/15/2023 9:13:37 AM

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		8/14/2023 4:56:09 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\2023-08-14\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2023-08-14_001.xad)		Instrument	Run		8/14/2023 4:32:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/14/2023 4:32:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/14/2023 4:32:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/14/2023 4:32:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/14/2023 4:32:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/14/2023 4:32:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/14/2023 4:32:27 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB