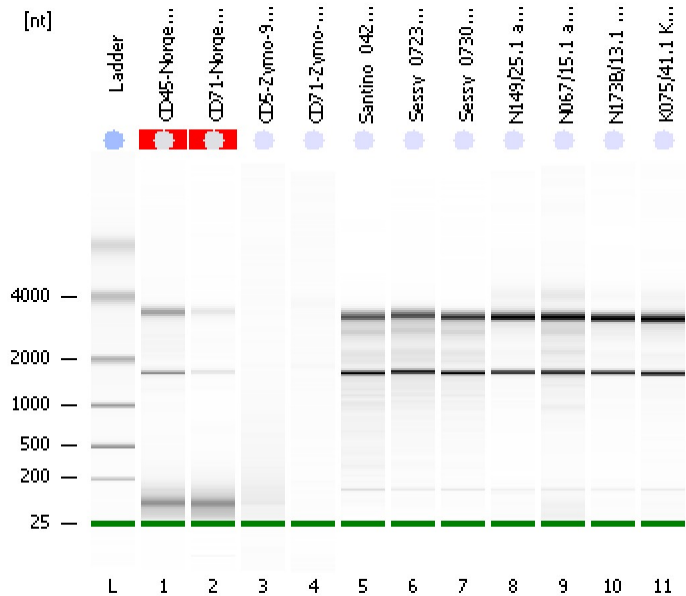


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 PM

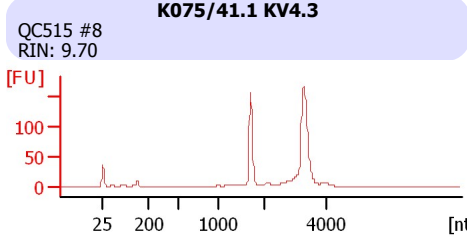
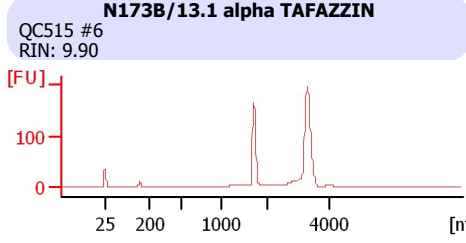
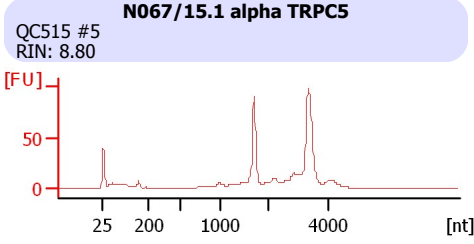
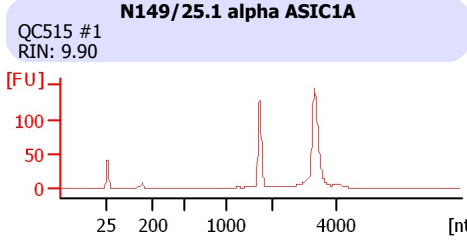
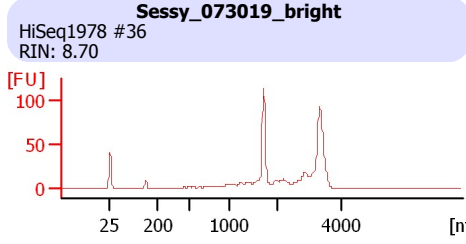
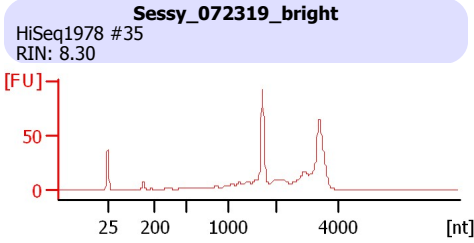
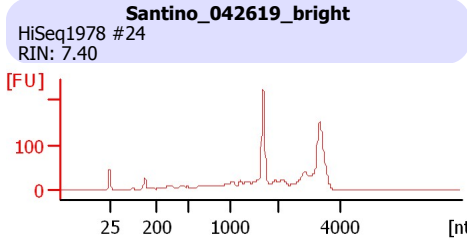
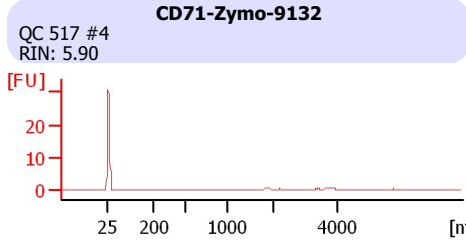
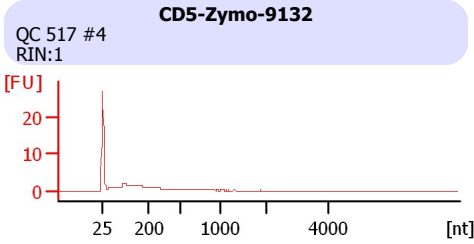
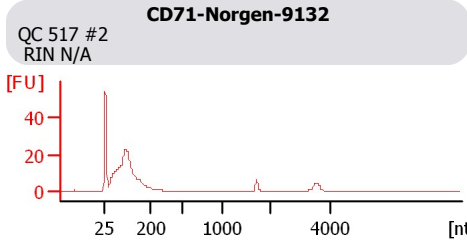
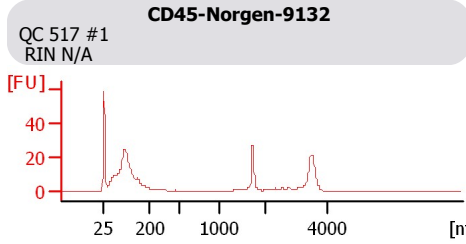
Electrophoresis File Run Summary



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

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

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



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
 Modified: 11/8/2019 12:47:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
CD45-Norgen-9132	QC 517 #1	✓	RIN N/A	
CD71-Norgen-9132	QC 517 #2	✓	RIN N/A	
CD5-Zymo-9132	QC 517 #4	✓	RIN:1	
CD71-Zymo-9132	QC 517 #4	✓	RIN: 5.90	
Santino_042619_bright	HiSeq1978 #24	✓	RIN: 7.40	
Sessy_072319_bright	HiSeq1978 #35	✓	RIN: 8.30	
Sessy_073019_bright	HiSeq1978 #36	✓	RIN: 8.70	
N149/25.1 alpha ASIC1A	QC515 #1	✓	RIN: 9.90	
N067/15.1 alpha TRPC5	QC515 #5	✓	RIN: 8.80	
N173B/13.1 alpha TFAZZIN	QC515 #6	✓	RIN: 9.90	
K075/41.1 KV4.3	QC515 #8	✓	RIN: 9.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 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

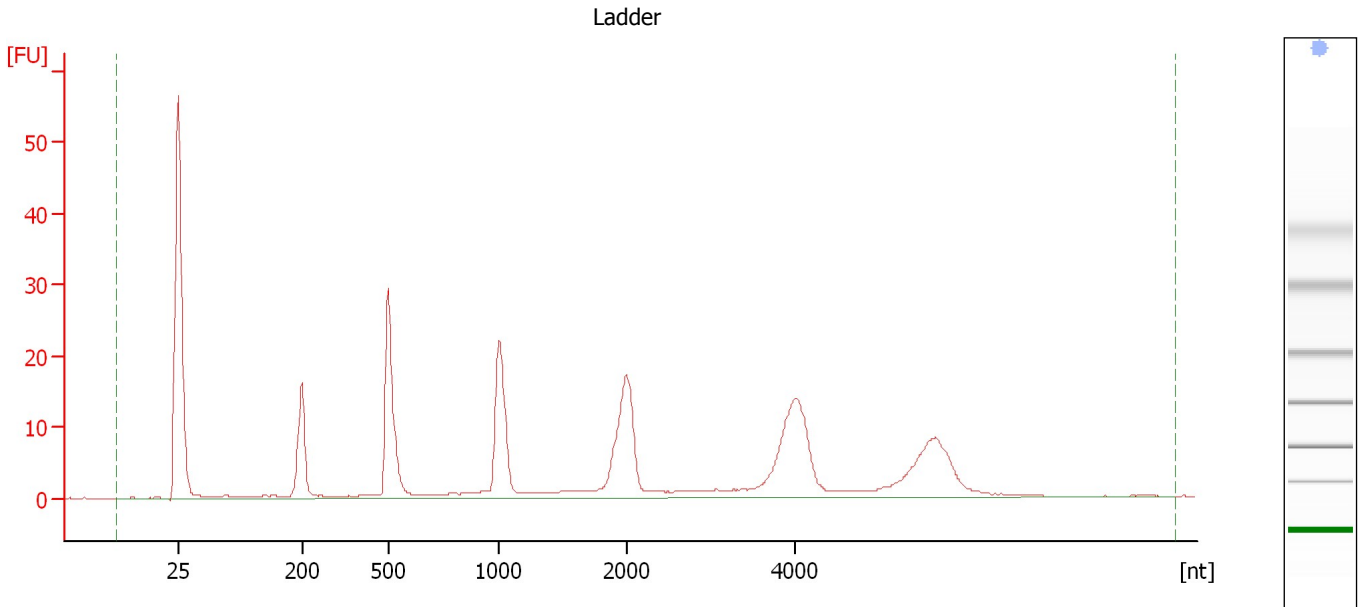
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary



Overall Results for Ladder

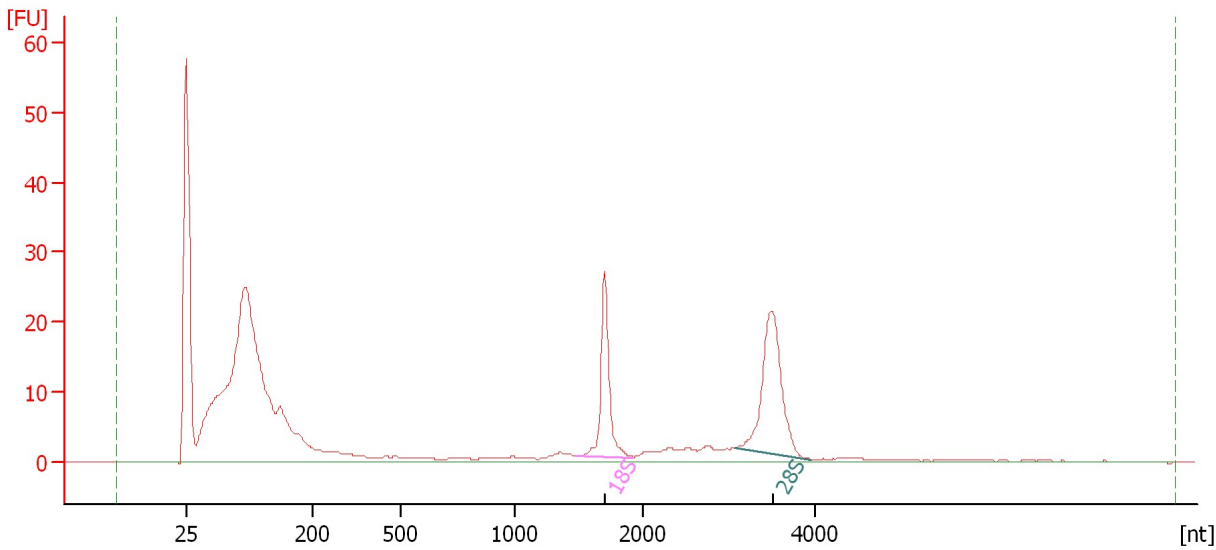
RNA Area:	239.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary Continued ...

CD45-Norgen-9132 [QC 517 #1]



Overall Results for sample 1 : CD45-Norgen-9132

RNA Area: 352.5 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 1,474 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN N/A

Fragment table for sample 1 : CD45-Norgen-9132

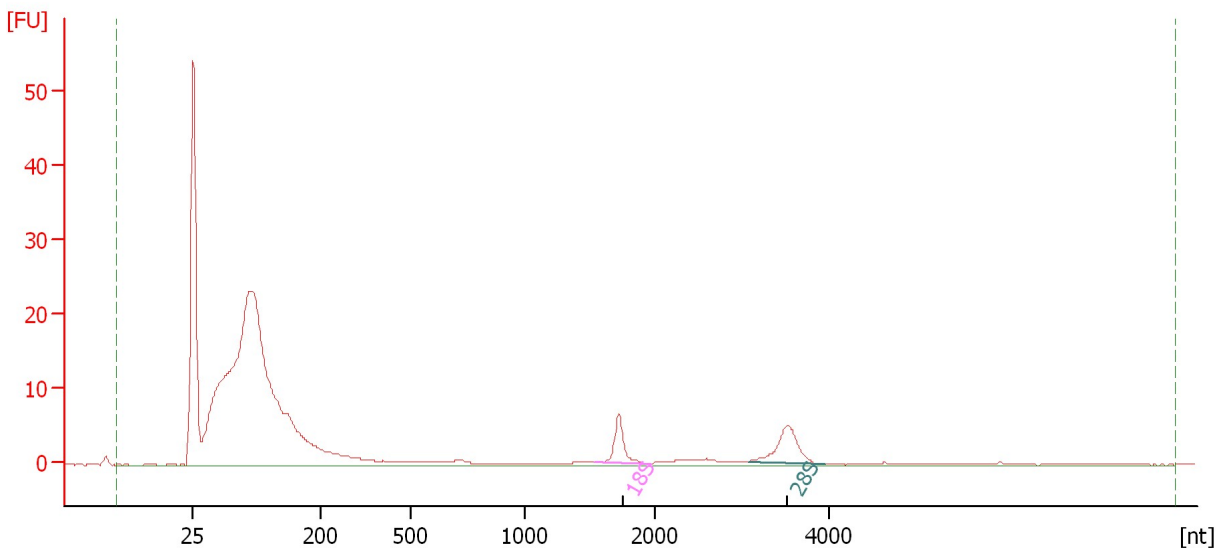
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,492	1,921	28.2	8.0
28S	3,063	3,958	42.5	12.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary Continued ...

CD71-Norgen-9132 [QC 517 #2]



Overall Results for sample 2 : CD71-Norgen-9132

RNA Area:	269.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1,127 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN N/A

Fragment table for sample 2 : CD71-Norgen-9132

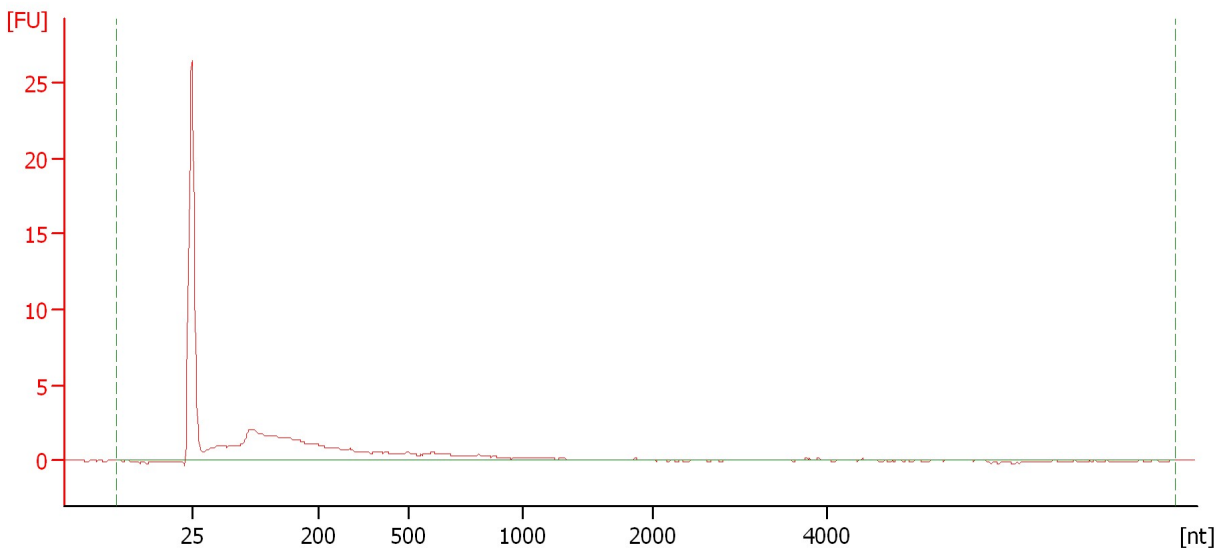
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,542	1,966	7.6	2.8
28S	3,065	3,937	10.9	4.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary Continued ...

CD5-Zymo-9132 [QC 517 #4]



Overall Results for sample 3 : CD5-Zymo-9132

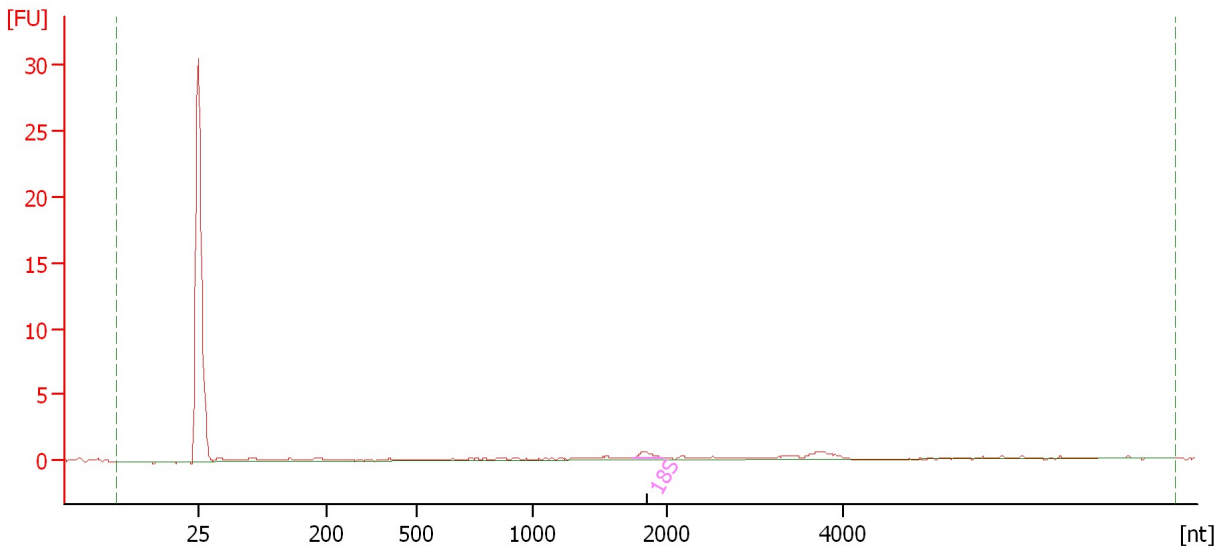
RNA Area:	39.5	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	165 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary Continued ...

CD71-Zymo-9132 [QC 517 #4]



Overall Results for sample 4 : CD71-Zymo-9132

RNA Area:	10.2	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	43 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.90

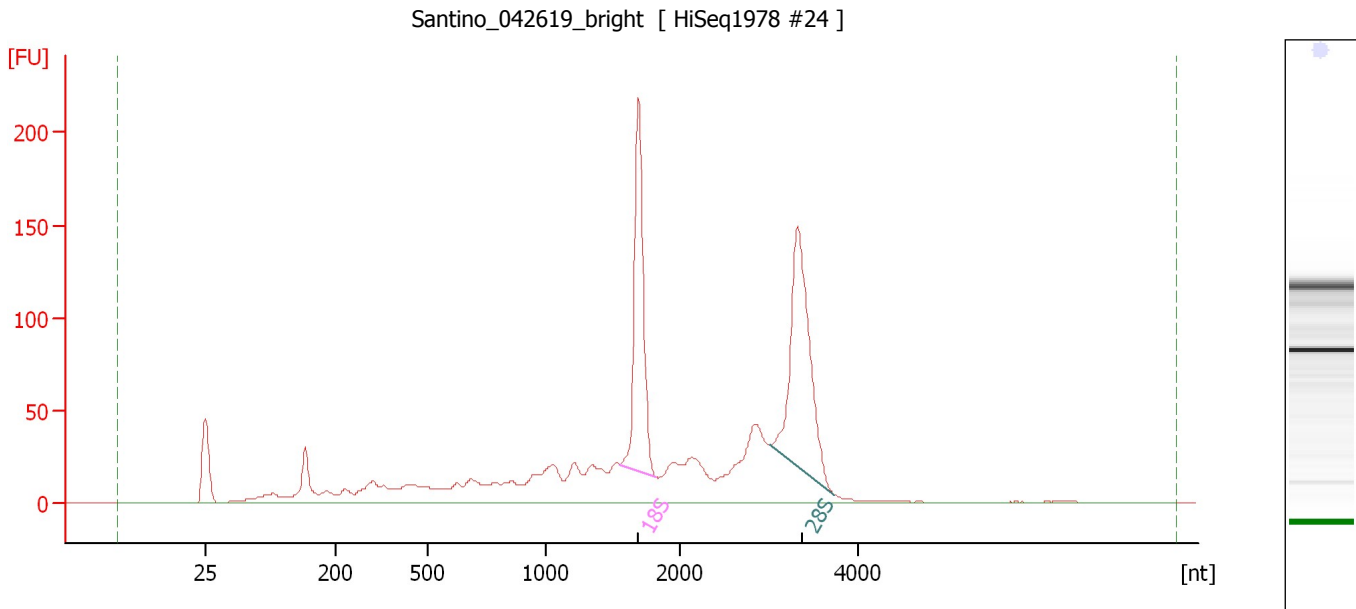
Fragment table for sample 4 : CD71-Zymo-9132

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,743	1,977	0.8	7.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
 Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Santino_042619_bright

RNA Area:	1,438.4	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	6,013 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.40

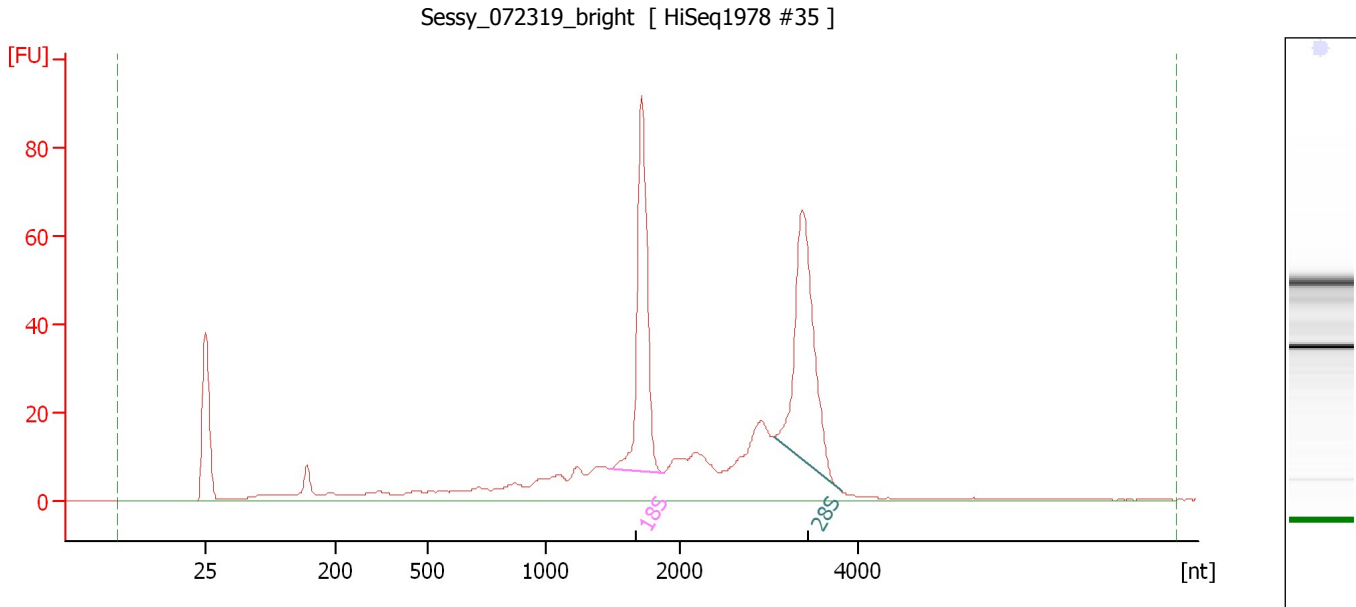
Fragment table for sample 5 : Santino_042619_bright

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,550	1,828	227.8	15.8
28S	3,013	3,732	259.0	18.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sessy_072319_bright

RNA Area:	567.8	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	2,374 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.30

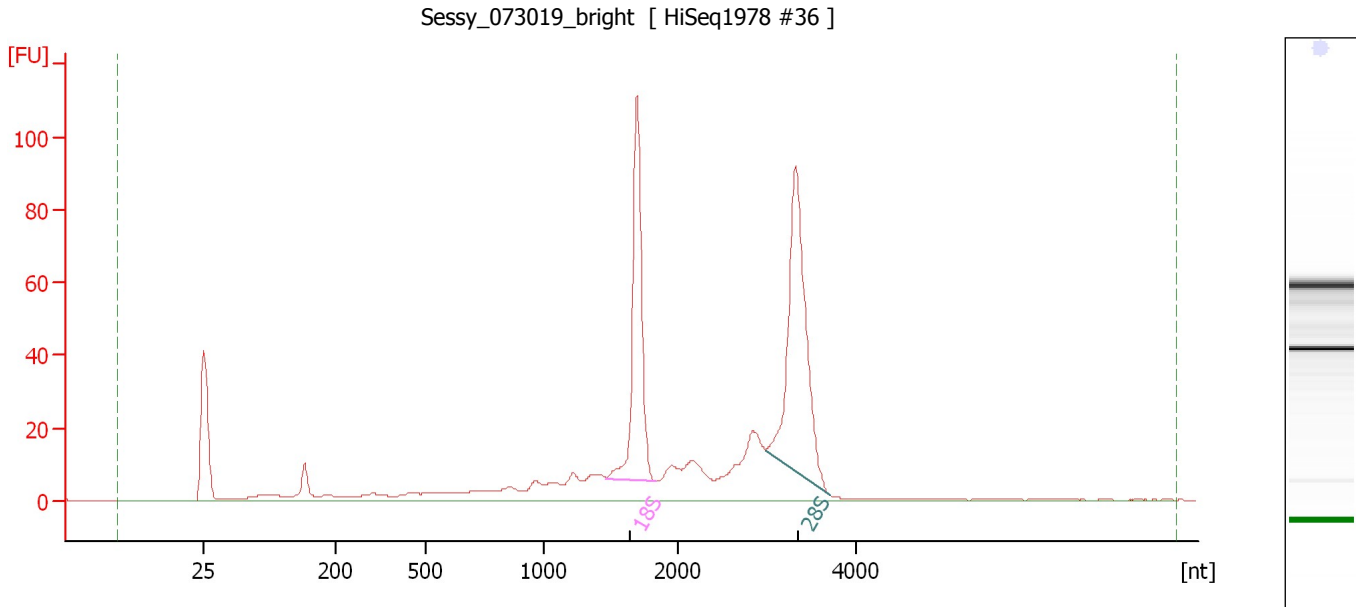
Fragment table for sample 6 : Sessy_072319_bright

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	1,876	103.8	18.3
28S	3,061	3,816	112.6	19.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
 Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sessy_073019_bright

RNA Area:	597.4	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	2,497 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

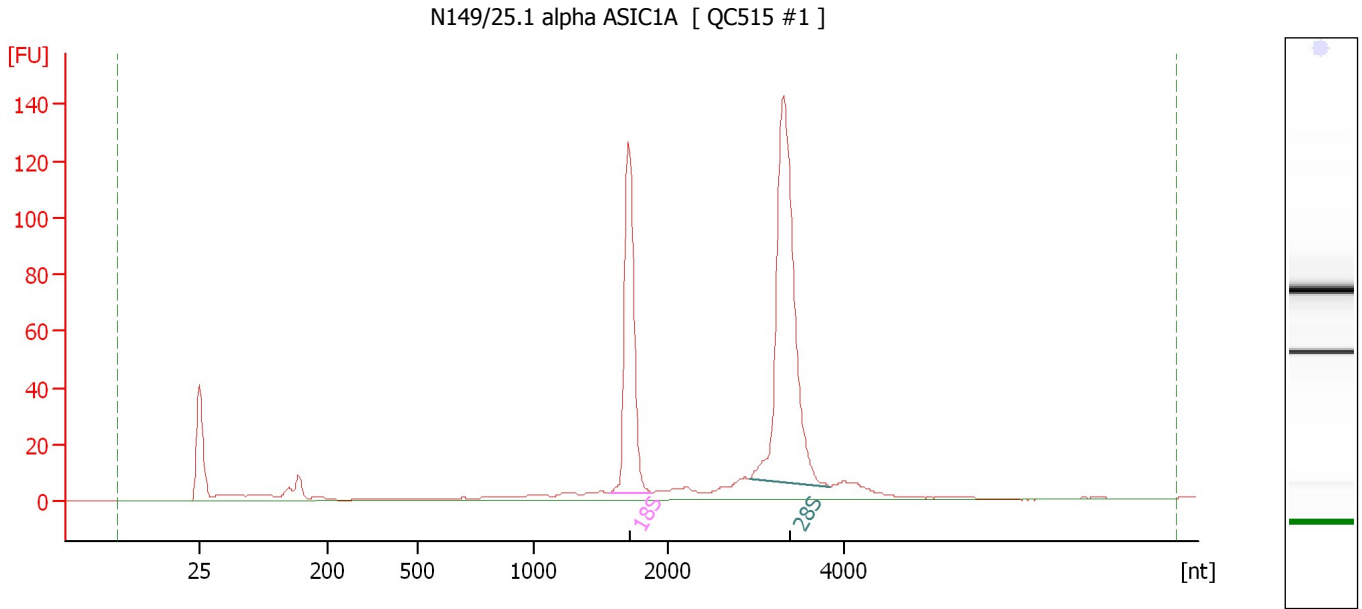
Fragment table for sample 7 : Sessy_073019_bright

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,469	1,836	122.0	20.4
28S	2,990	3,723	154.1	25.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : N149/25.1 alpha ASIC1A

RNA Area: 601.8 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 2,516 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.90

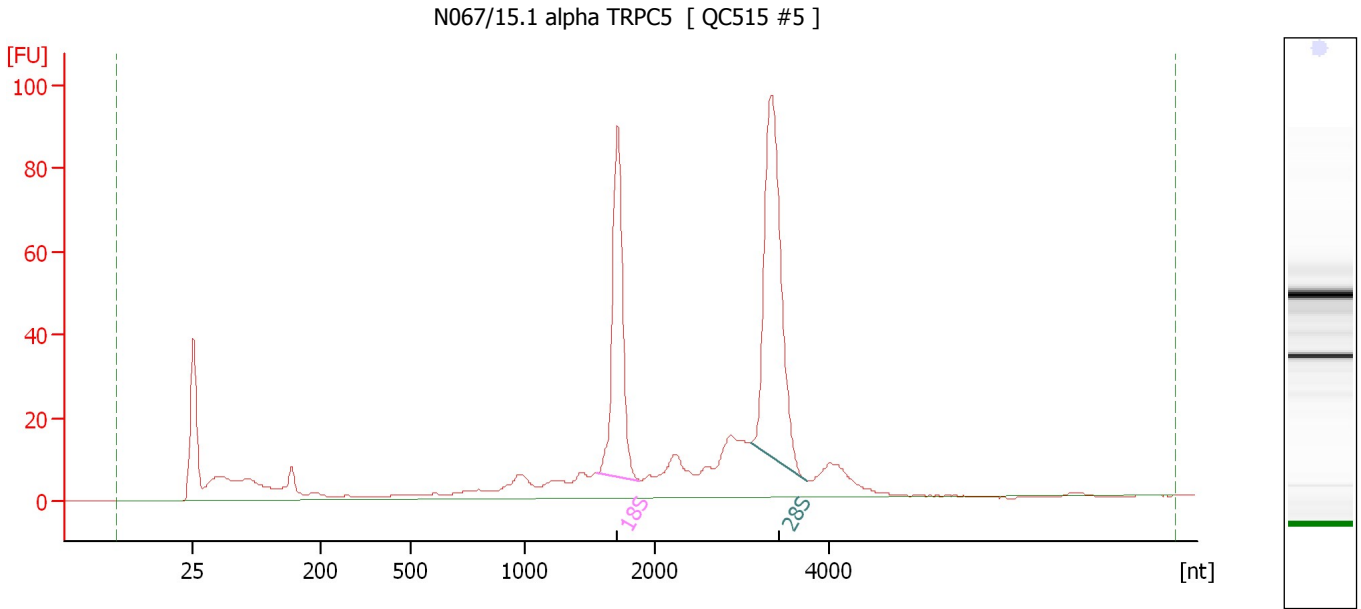
Fragment table for sample 8 : N149/25.1 alpha ASIC1A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,565	1,888	144.3	24.0
28S	2,936	3,859	256.4	42.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : N067/15.1 alpha TRPC5

RNA Area: 626.2 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 2,618 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.80

Fragment table for sample 9 : N067/15.1 alpha TRPC5

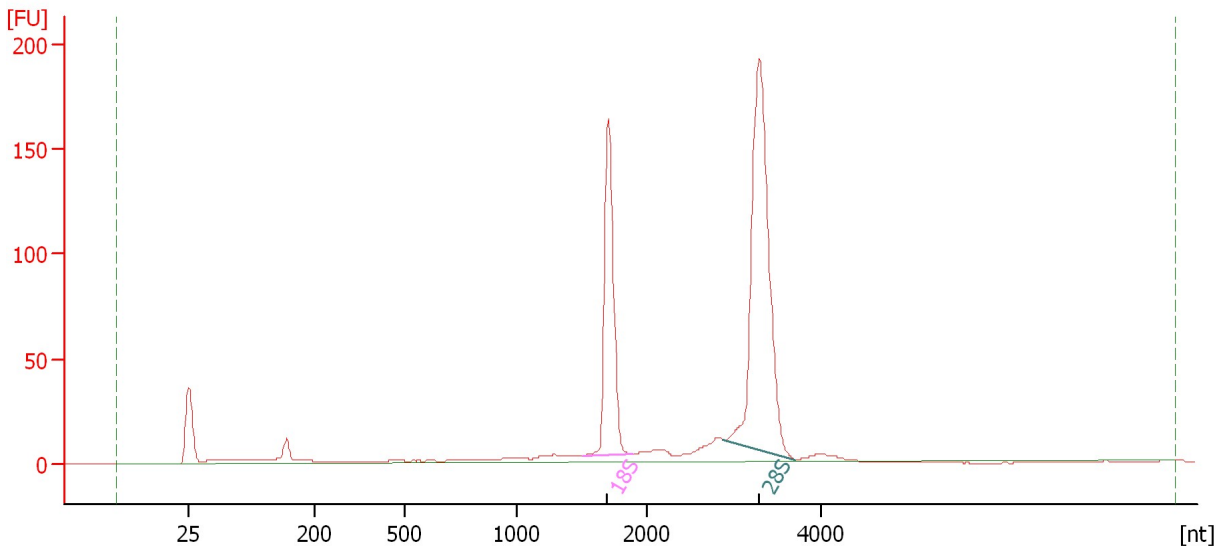
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,876	106.7	17.0
28S	3,090	3,728	156.3	25.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
 Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary Continued ...

N173B/13.1 alpha TFAZZIN [QC515 #6]



Overall Results for sample 10 : N173B/13.1 alpha TFAZZIN

RNA Area:	760.2	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	3,178 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.90

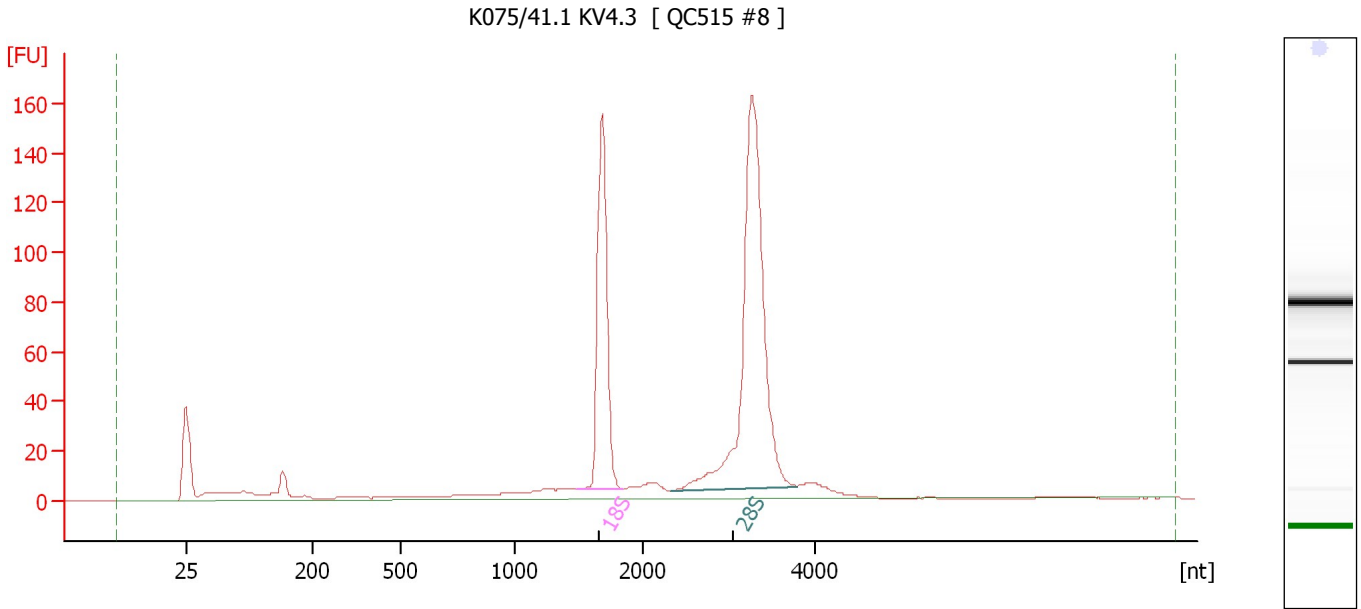
Fragment table for sample 10 : N173B/13.1 alpha TFAZZIN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,503	1,889	187.8	24.7
28S	2,886	3,703	345.5	45.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : K075/41.1 KV4.3

RNA Area:	784.4	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	3,279 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.70

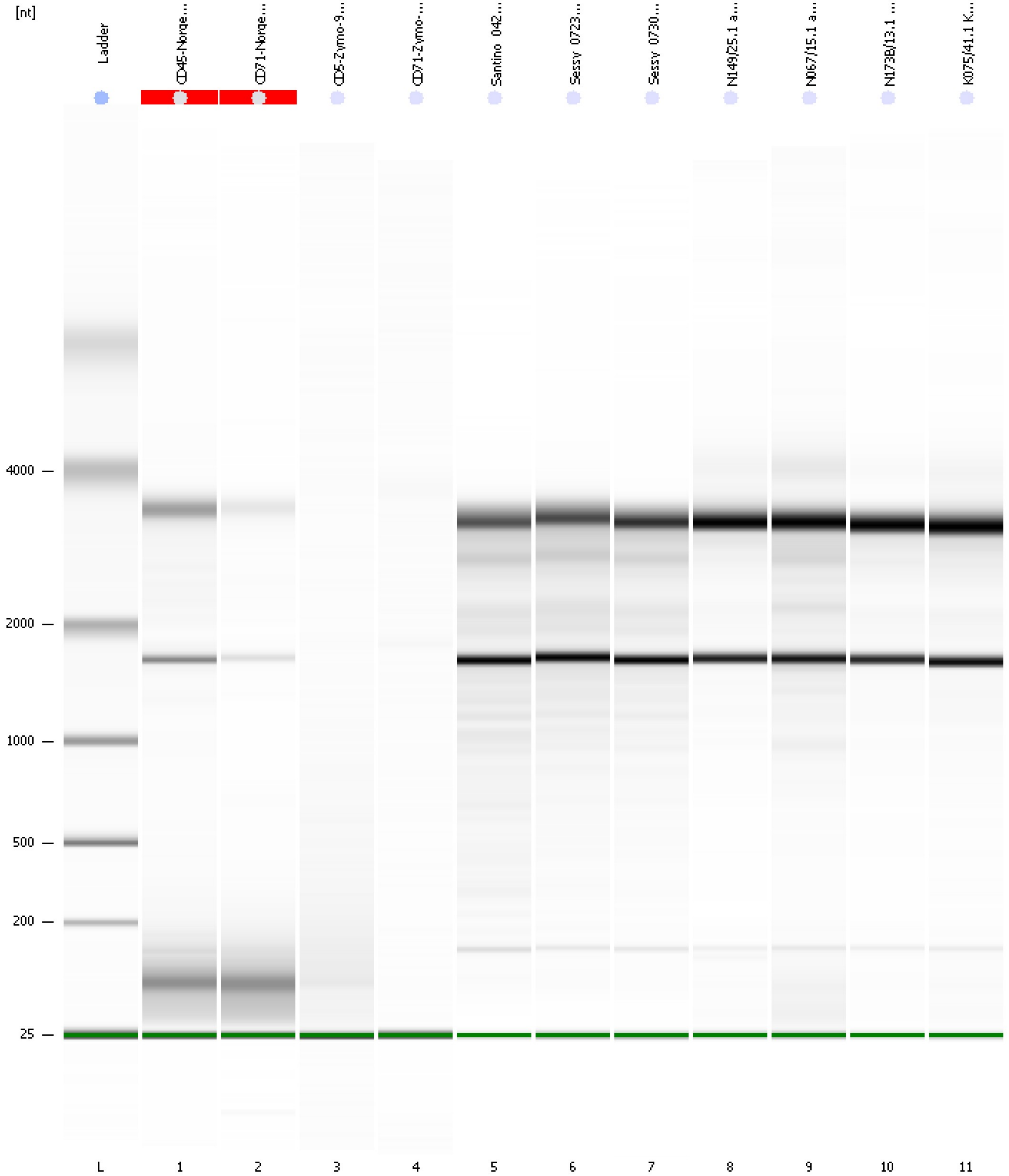
Fragment table for sample 11 : K075/41.1 KV4.3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,492	1,847	182.8	23.3
28S	2,316	3,796	353.0	45.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
Modified: 11/8/2019 12:47:36 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad

Created: 11/8/2019 12:11:55 PM
 Modified: 11/8/2019 12:47:36 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		11/8/2019 12:34:48 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-11-08\2019-11-08_001.xad)		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/8/2019 12:12:00 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1