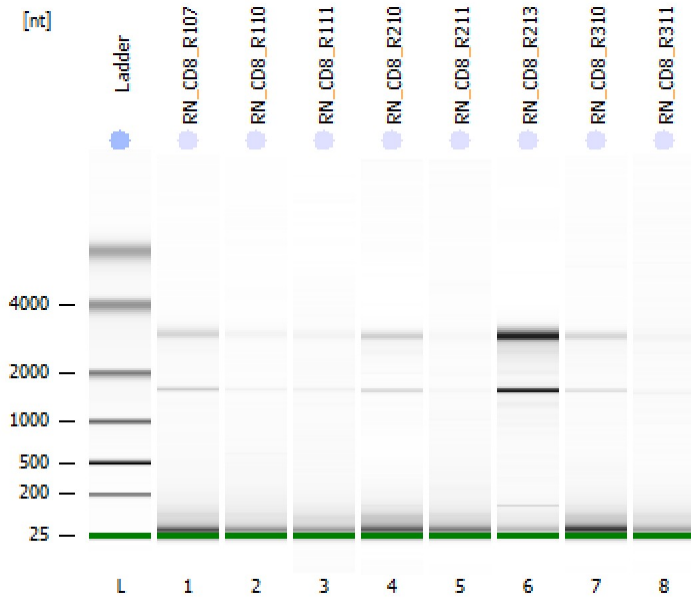


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
Modified: 7/29/2020 3:18:12 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\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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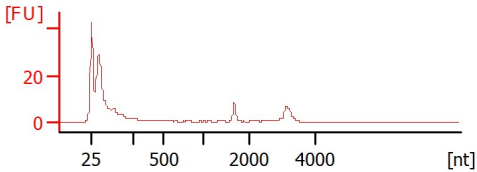
Chip Information:

Chip Lot #:

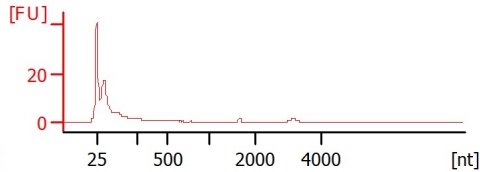
Reagent Kit Lot #:

Chip Comments:

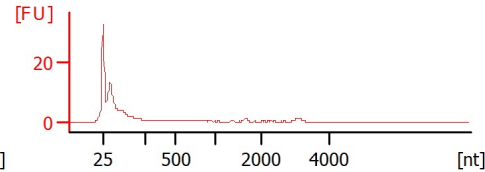
RN_CD8_R107
TAG0001 #7
RIN: 4.60



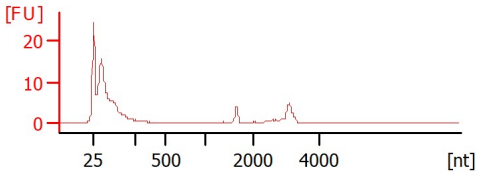
RN_CD8_R110
TAG0001 #10
RIN: 2.90



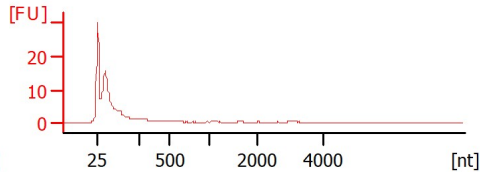
RN_CD8_R111
TAG0001 #11
RIN: 2.80



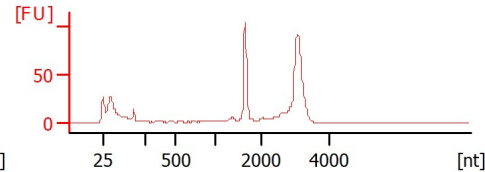
RN_CD8_R210
TAG0001 #23
RIN: 5.10



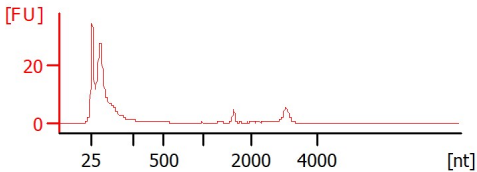
RN_CD8_R211
TAG0001 #24
RIN: 2.60



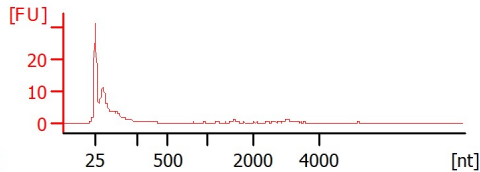
RN_CD8_R213
TAG0001 #26
RIN: 9.10



RN_CD8_R310
TAG0001 #36
RIN: 3.50



RN_CD8_R311
TAG0001 #37
RIN: 2.70



Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
Modified: 7/29/2020 3:18:12 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
RN_CD8_R107	TAG0001 #7	✓	RIN: 4.60	
RN_CD8_R110	TAG0001 #10	✓	RIN: 2.90	
RN_CD8_R111	TAG0001 #11	✓	RIN: 2.80	
RN_CD8_R210	TAG0001 #23	✓	RIN: 5.10	
RN_CD8_R211	TAG0001 #24	✓	RIN: 2.60	
RN_CD8_R213	TAG0001 #26	✓	RIN: 9.10	
RN_CD8_R310	TAG0001 #36	✓	RIN: 3.50	
RN_CD8_R311	TAG0001 #37	✓	RIN: 2.70	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
Modified: 7/29/2020 3:18:12 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

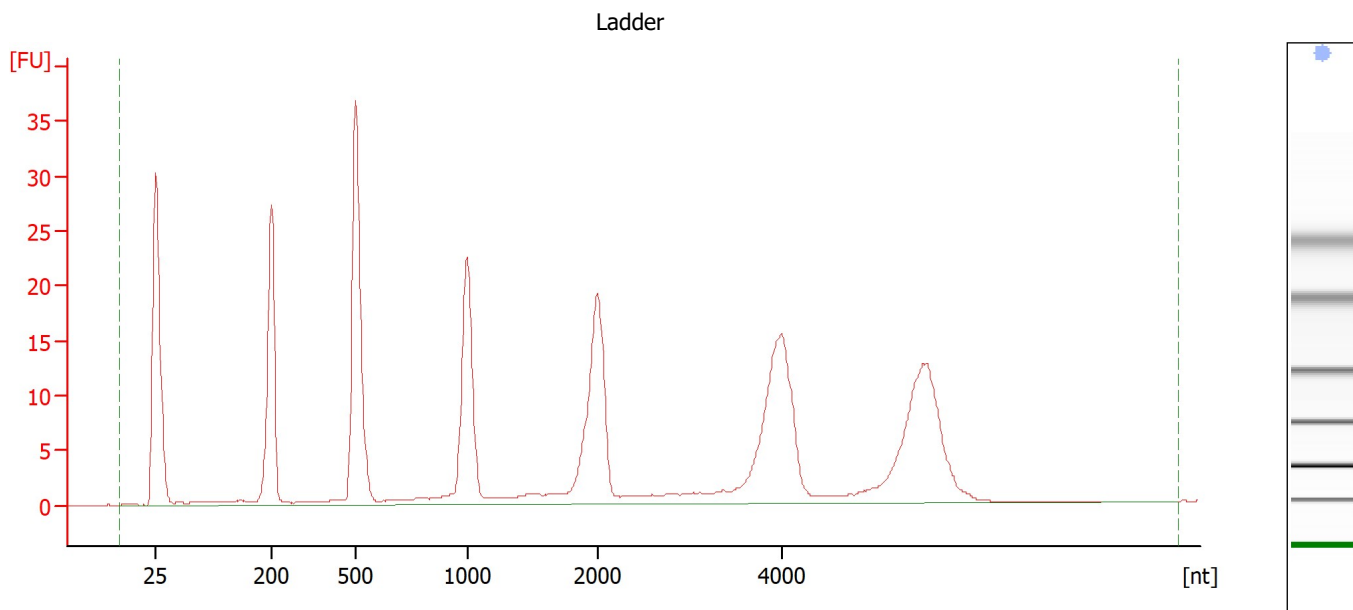
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
Modified: 7/29/2020 3:18:12 PM

Electropherogram Summary



Overall Results for Ladder

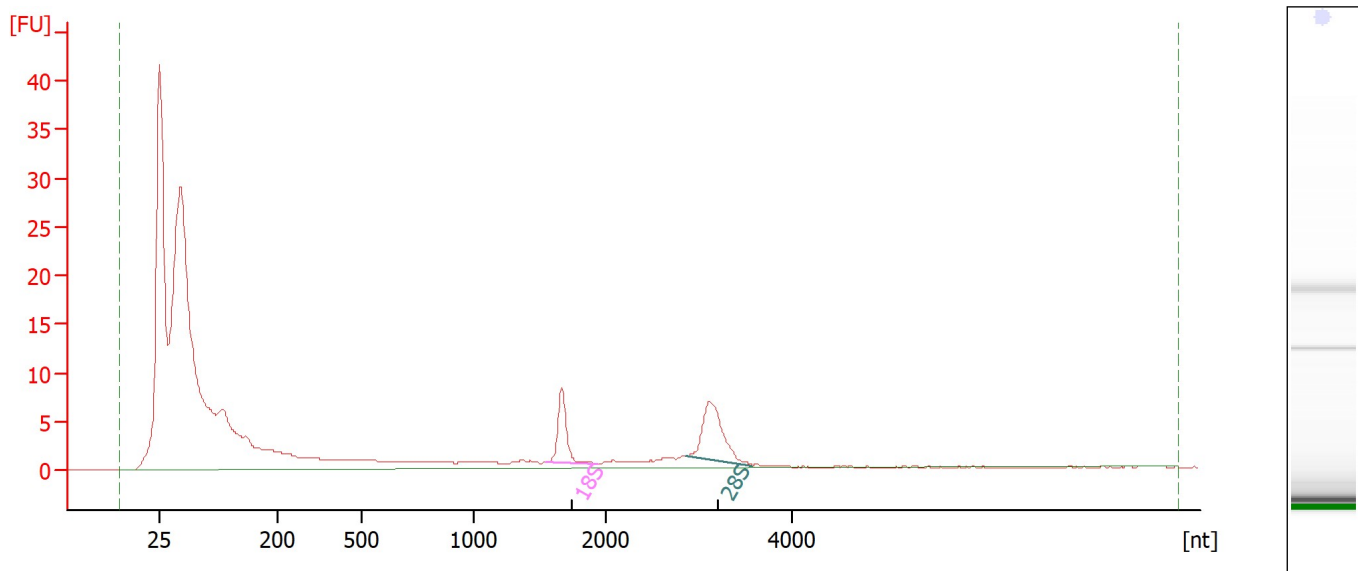
RNA Area:	297.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
 Modified: 7/29/2020 3:18:12 PM

Electropherogram Summary Continued ...

RN_CD8_R107 [TAG0001 #7]



Overall Results for sample 1 : RN_CD8_R107

RNA Area:	247.4	RNA Integrity Number (RIN):	4.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	832 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 4.60

Fragment table for sample 1 : RN_CD8_R107

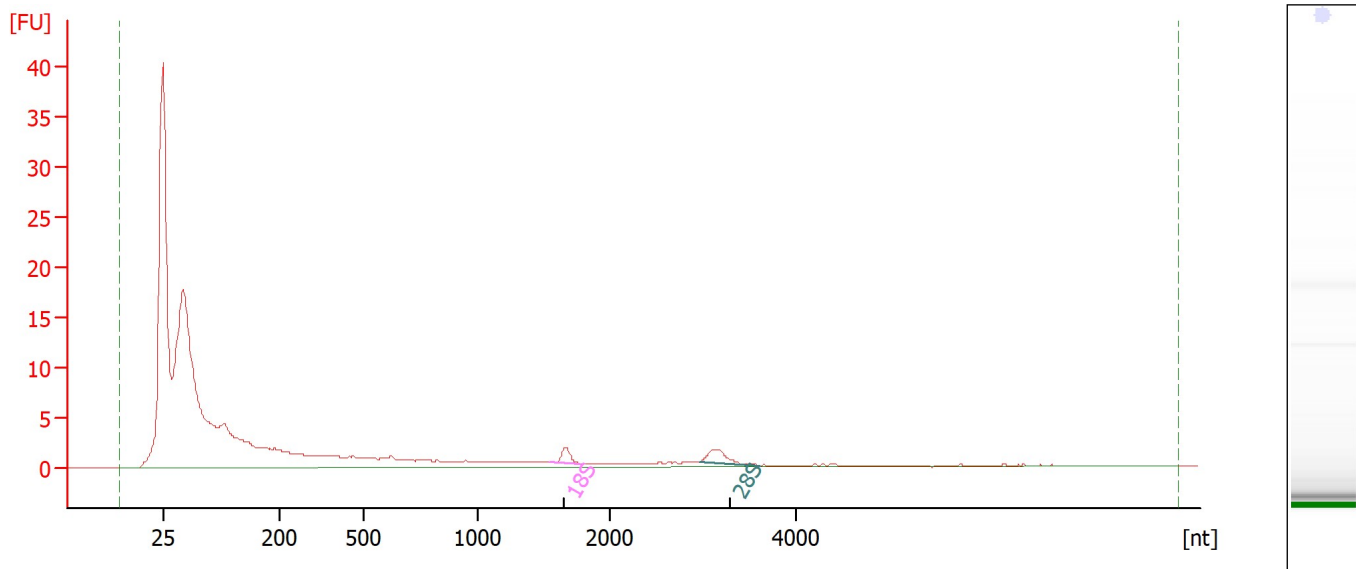
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,537	1,935	9.2	3.7
28S	2,865	3,579	13.9	5.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
 Modified: 7/29/2020 3:18:12 PM

Electropherogram Summary Continued ...

RN_CD8_R110 [TAG0001 #10]



Overall Results for sample 2 : RN_CD8_R110

RNA Area:	158.7	RNA Integrity Number (RIN):	2.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	534 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 2.90

Fragment table for sample 2 : RN_CD8_R110

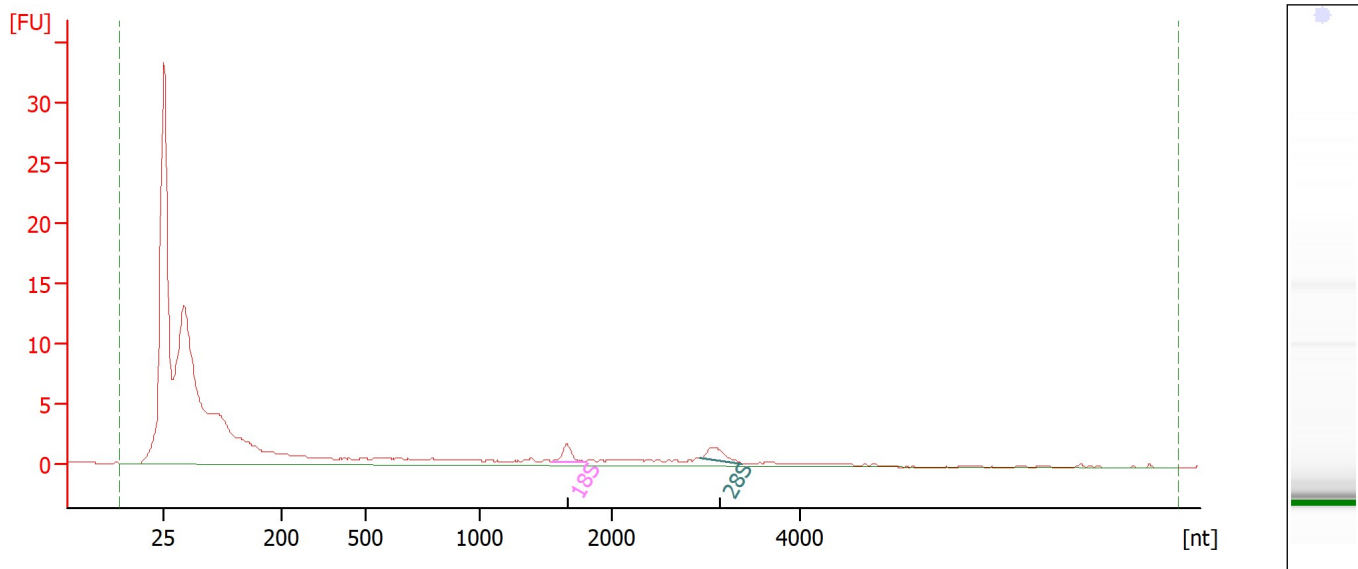
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,548	1,774	1.8	1.2
28S	2,964	3,595	2.8	1.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
 Modified: 7/29/2020 3:18:12 PM

Electropherogram Summary Continued ...

RN_CD8_R111 [TAG0001 #11]



Overall Results for sample 3 : RN_CD8_R111

RNA Area:	118.3	RNA Integrity Number (RIN):	2.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	398 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 2.80

Fragment table for sample 3 : RN_CD8_R111

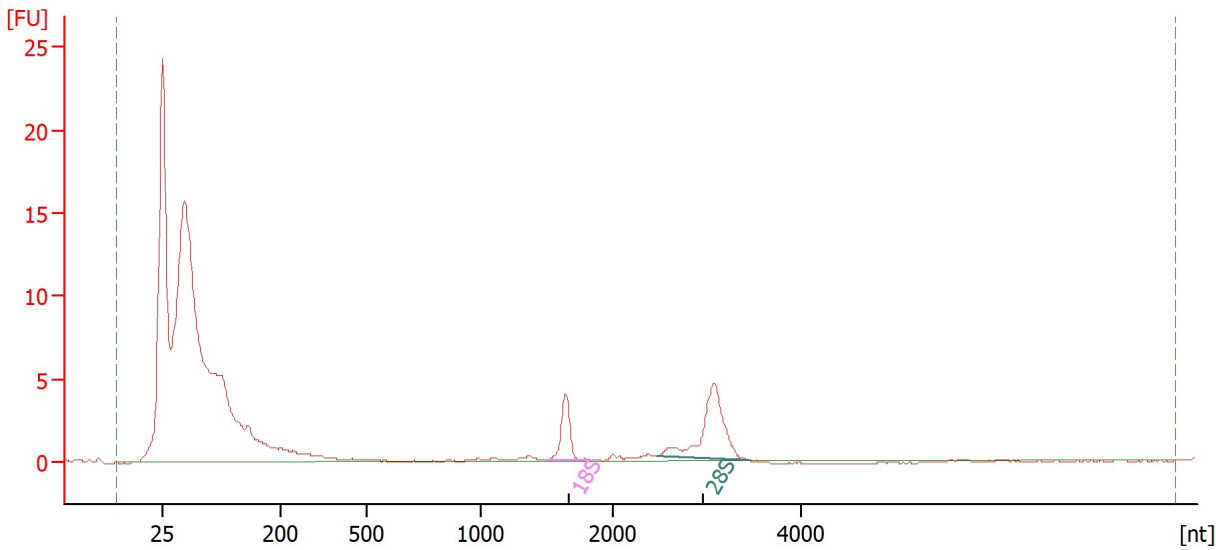
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,549	1,799	1.6	1.4
28S	2,940	3,397	2.0	1.7

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
Modified: 7/29/2020 3:18:12 PM

Electropherogram Summary Continued ...

RN_CD8_R210 [TAG0001 #23]



Overall Results for sample 4 : RN_CD8_R210

RNA Area:	135.7	RNA Integrity Number (RIN):	5.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	457 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 5.10

Fragment table for sample 4 : RN_CD8_R210

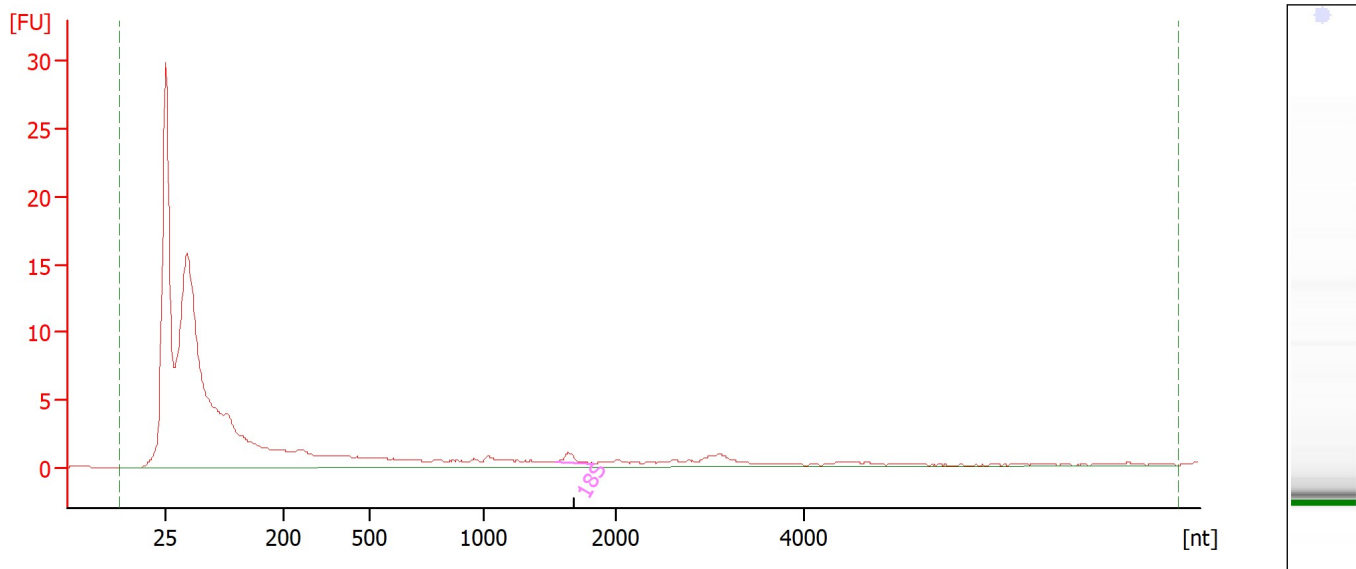
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,504	1,825	4.6	3.4
28S	2,469	3,448	11.1	8.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
 Modified: 7/29/2020 3:18:12 PM

Electropherogram Summary Continued ...

RN_CD8_R211 [TAG0001 #24]



Overall Results for sample 5 : RN_CD8_R211

RNA Area:	145.2	RNA Integrity Number (RIN):	2.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	489 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

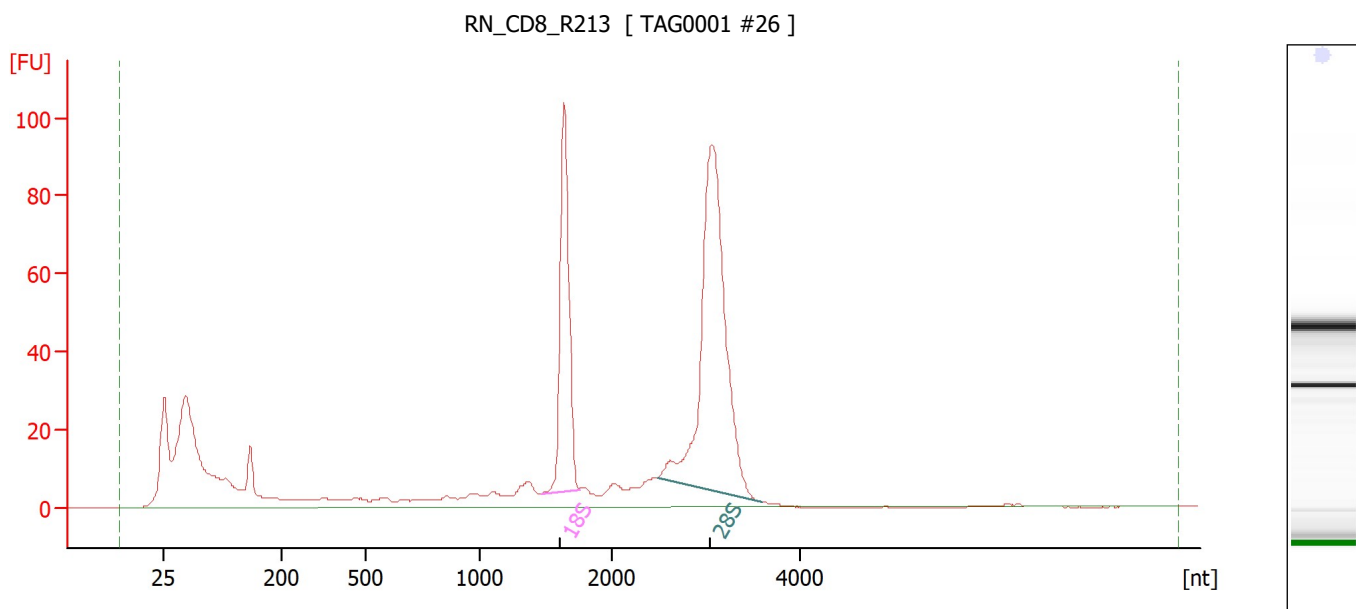
Fragment table for sample 5 : RN_CD8_R211

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,544	1,833	1.0	0.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
 Modified: 7/29/2020 3:18:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : RN_CD8_R213

RNA Area:	774.5	RNA Integrity Number (RIN):	9.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,606 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 9.10

Fragment table for sample 6 : RN_CD8_R213

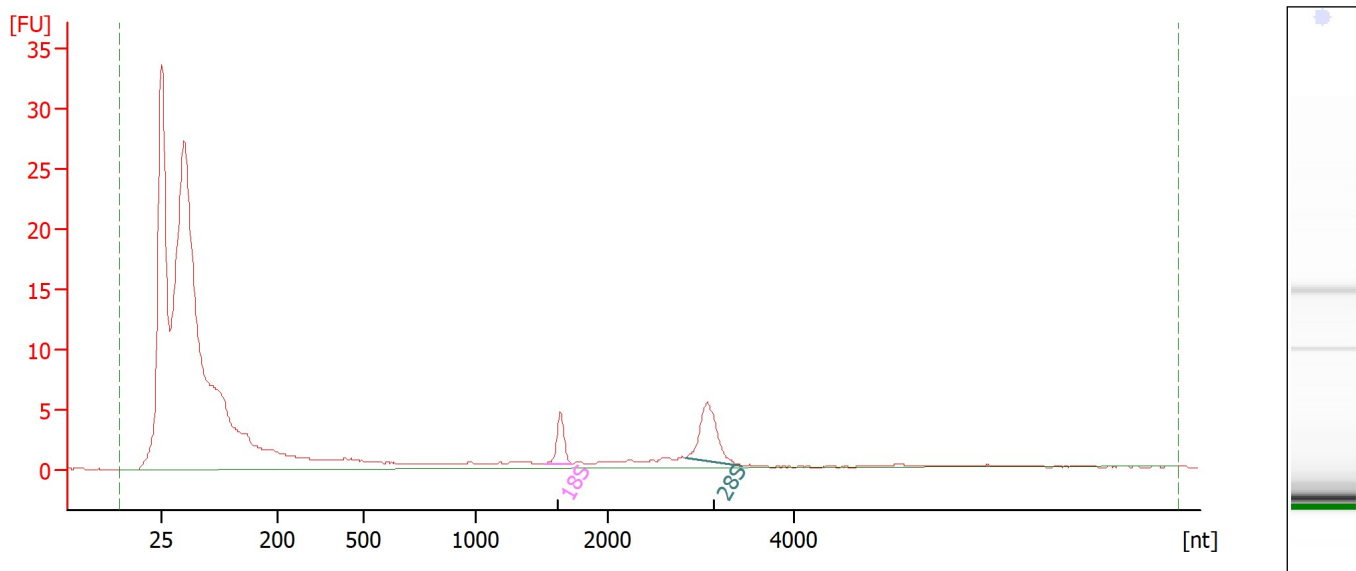
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,461	1,751	118.8	15.3
28S	2,493	3,592	244.0	31.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
 Modified: 7/29/2020 3:18:12 PM

Electropherogram Summary Continued ...

RN_CD8_R310 [TAG0001 #36]



Overall Results for sample 7 : RN_CD8_R310

RNA Area:	223.3	RNA Integrity Number (RIN):	3.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	751 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 3.50

Fragment table for sample 7 : RN_CD8_R310

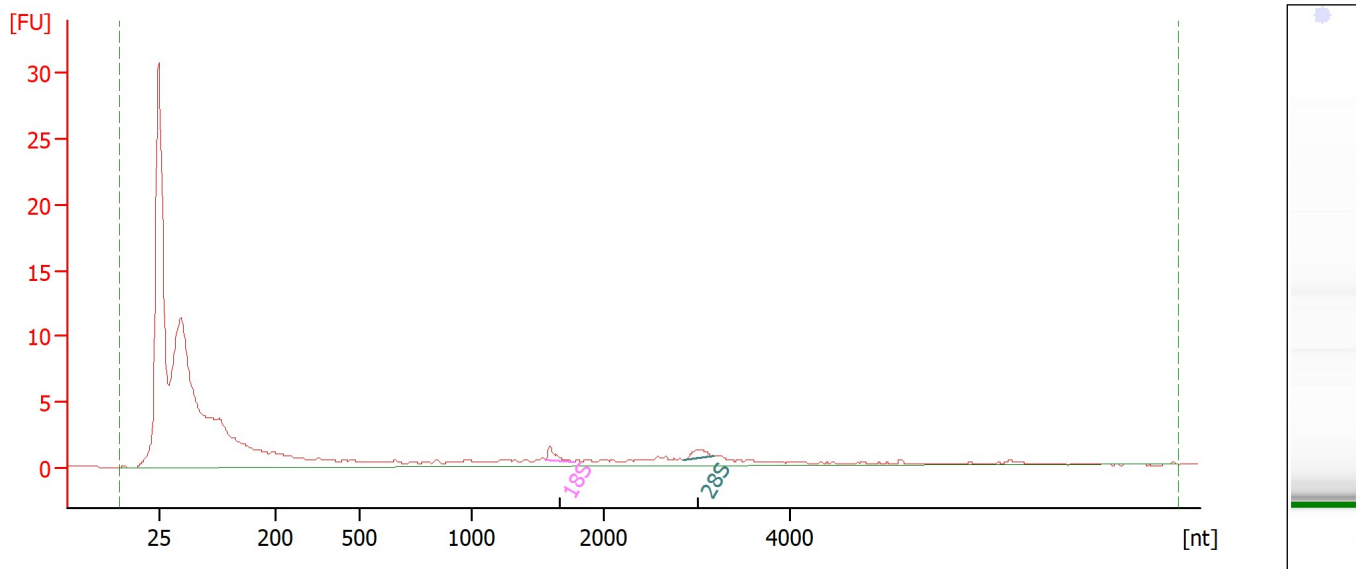
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,523	1,725	4.4	2.0
28S	2,828	3,449	9.5	4.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
 Modified: 7/29/2020 3:18:12 PM

Electropherogram Summary Continued ...

RN_CD8_R311 [TAG0001 #37]



Overall Results for sample 8 : RN_CD8_R311

RNA Area:	116.0	RNA Integrity Number (RIN):	2.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	390 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 2.70

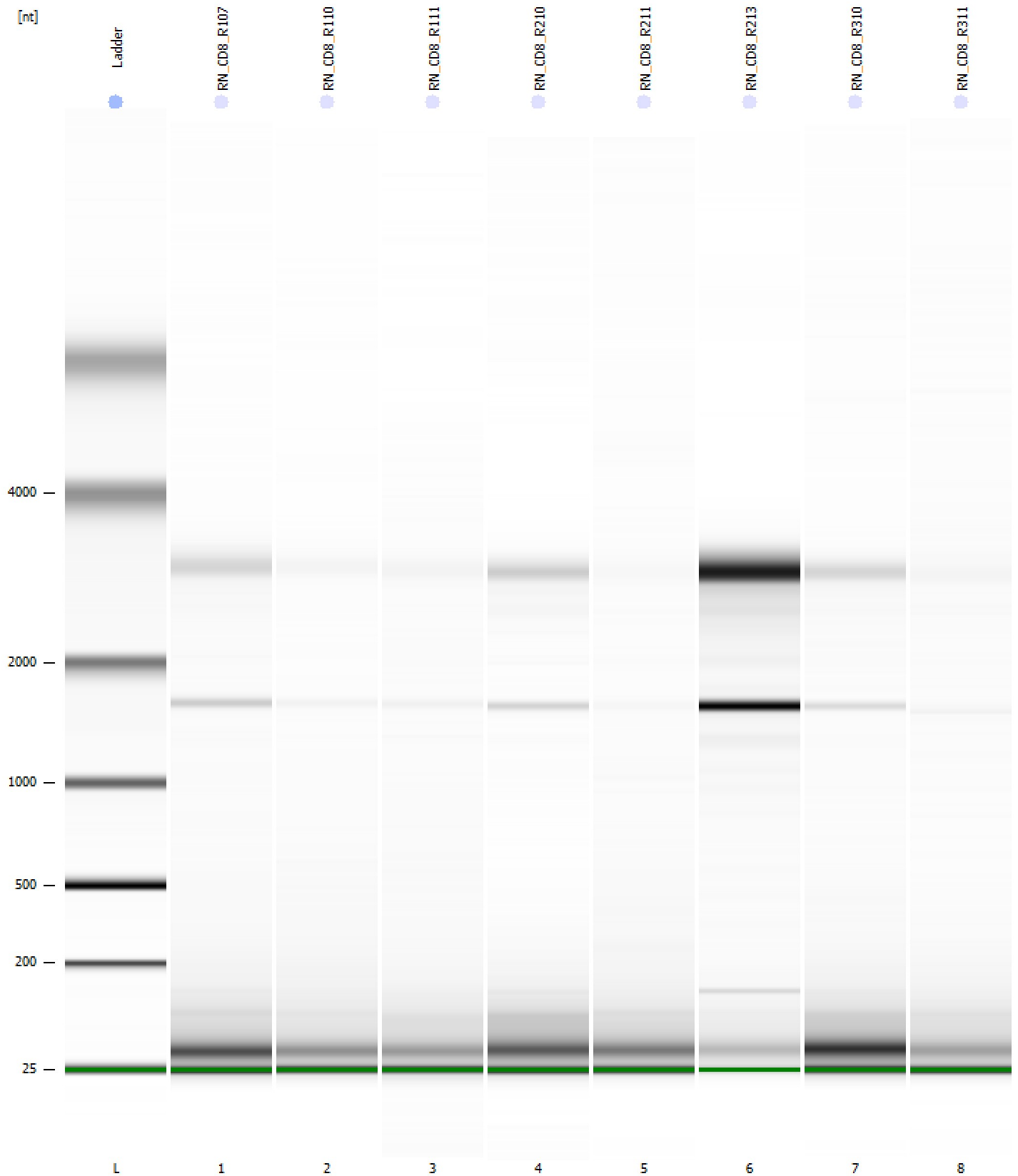
Fragment table for sample 8 : RN_CD8_R311

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	1,772	0.9	0.8
28S	2,866	3,178	1.1	0.9

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
Modified: 7/29/2020 3:18:12 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-29\TAG0001.xad

Created: 7/29/2020 2:42:54 PM
 Modified: 7/29/2020 3:18:12 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		7/29/2020 3:04:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-29\Bioanalyze_r1_Eukaryote Total RNA Pico_2020-07-29_002.xad)		Instrument	Run		7/29/2020 2:43:00 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/29/2020 2:43:00 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/29/2020 2:43:00 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/29/2020 2:43:00 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/29/2020 2:43:00 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/29/2020 2:43:00 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/29/2020 2:43:00 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB