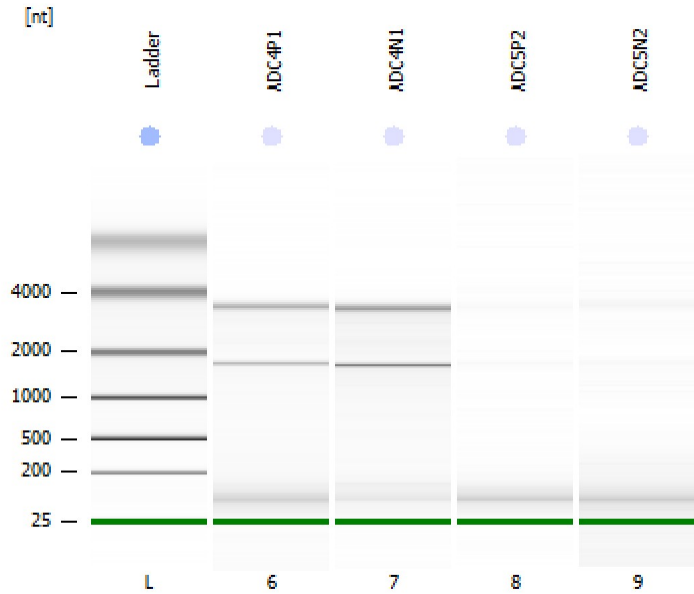


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-02-12\HiSeq2087_RNAQC.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 1:05:23 PM

Electrophoresis File Run Summary



Instrument Information:

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

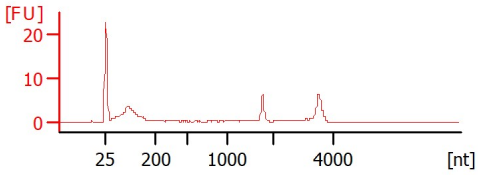
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

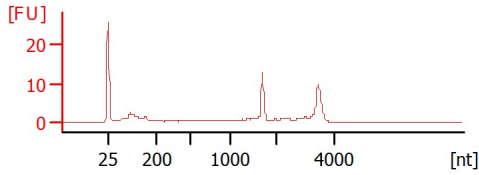
Chip Information:

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

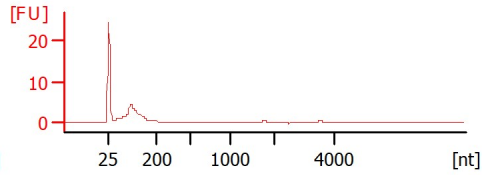
ADC4P1
HiSeq2087 #1
RIN: 8.60



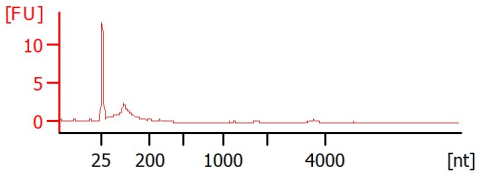
ADC4N1
HiSeq2087 #2
RIN: 8.40



ADC5P2
HiSeq2087 #3
RIN: 1.90



ADC5N2
HiSeq2087 #4
RIN: 1.80



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-02-12\HiSeq2087_RNAQC.xad

Created: 2/12/2020 12:33:39 PM
 Modified: 2/12/2020 1:05:23 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
ADC4P1	HiSeq2087 #1	✓	RIN: 8.60	
ADC4N1	HiSeq2087 #2	✓	RIN: 8.40	
ADC5P2	HiSeq2087 #3	✓	RIN: 1.90	
ADC5N2	HiSeq2087 #4	✓	RIN: 1.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-02-12\HiSeq2087_RNAQC.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 1:05:23 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

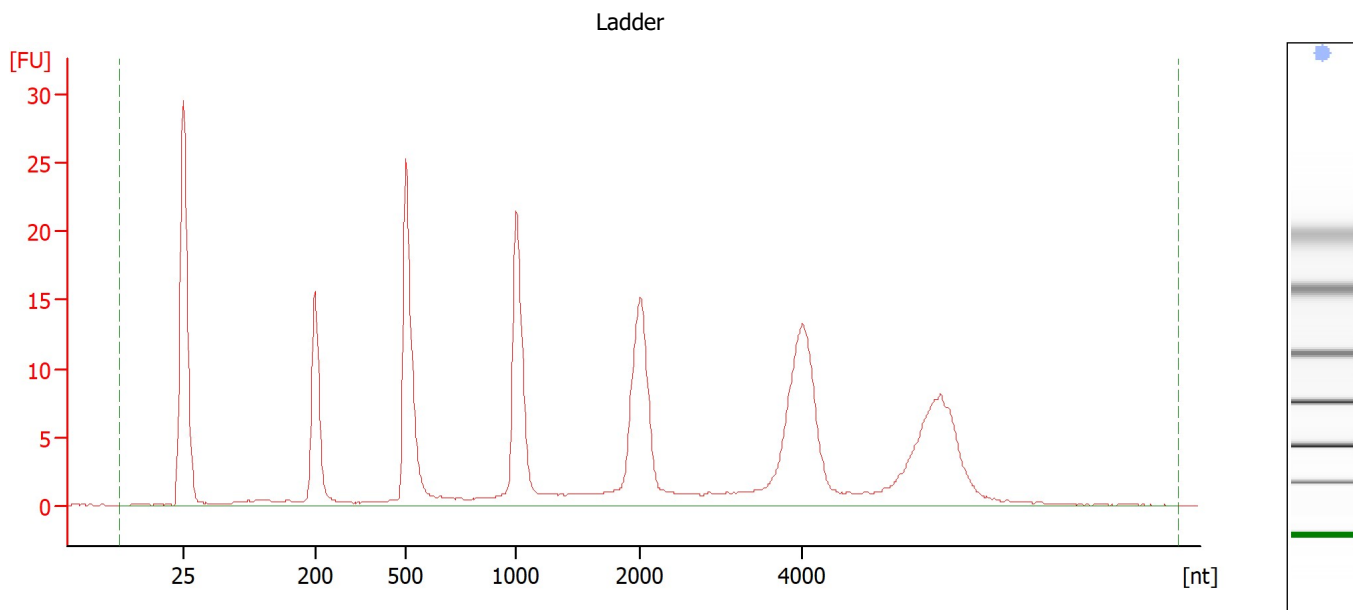
Ladder

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\2020-02-12\HiSeq2087_RNAQC.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 1:05:23 PM

Electropherogram Summary



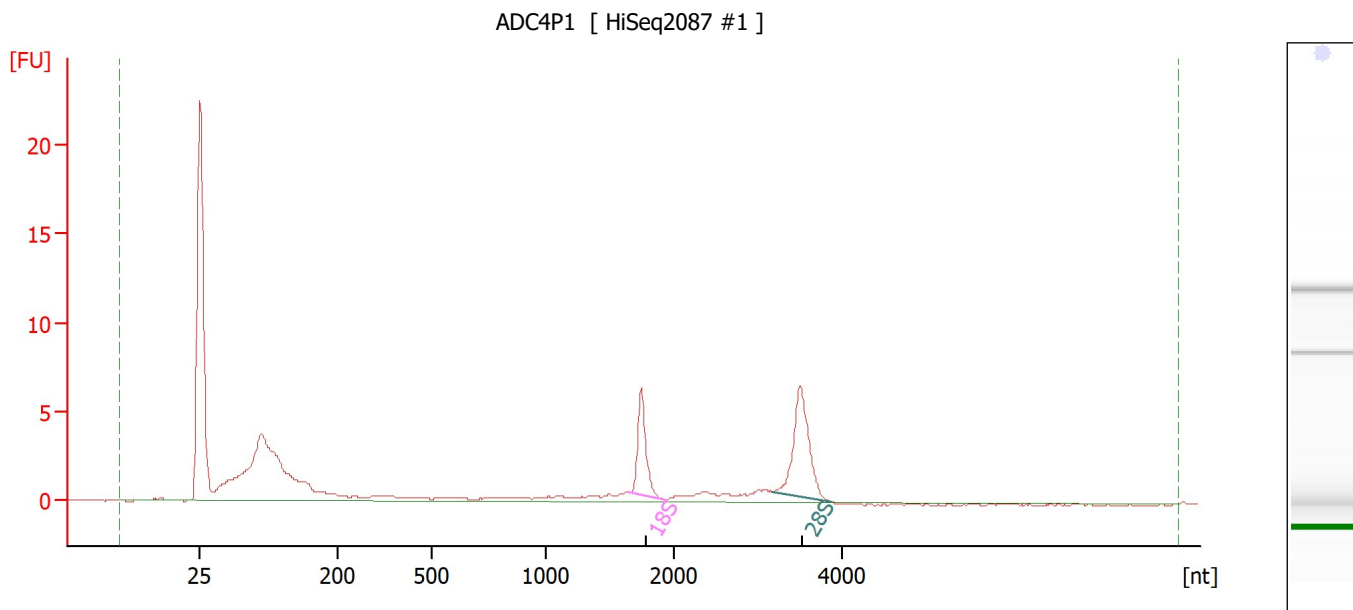
Overall Results for Ladder

RNA Area:	231.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-02-12\HiSeq2087_RNAQC.xad

Created: 2/12/2020 12:33:39 PM
 Modified: 2/12/2020 1:05:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : ADC4P1

RNA Area:	67.0	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	289 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.60

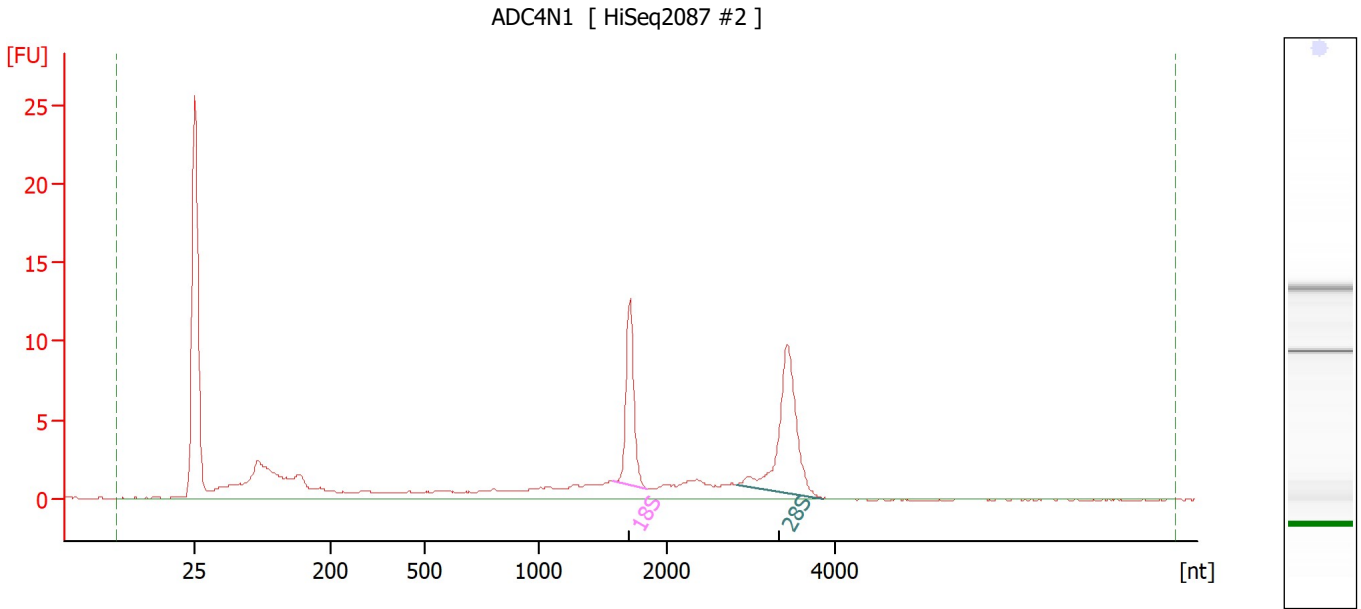
Fragment table for sample 6 : ADC4P1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,648	1,931	6.1	9.1
28S	3,178	3,877	10.2	15.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-02-12\HiSeq2087_RNAQC.xad

Created: 2/12/2020 12:33:39 PM
 Modified: 2/12/2020 1:05:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : ADC4N1

RNA Area:	89.0	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	384 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.40

Fragment table for sample 7 : ADC4N1

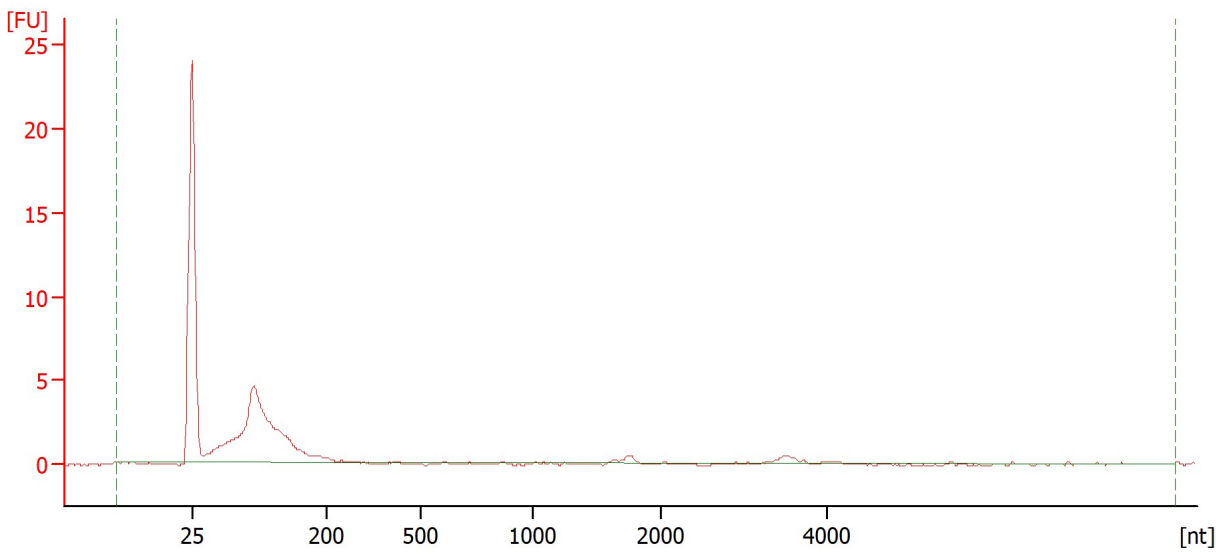
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,838	10.9	12.3
28S	2,850	3,858	17.4	19.5

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-02-12\HiSeq2087_RNAQC.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 1:05:23 PM

Electropherogram Summary Continued ...

ADC5P2 [HiSeq2087 #3]



Overall Results for sample 8 : ADC5P2

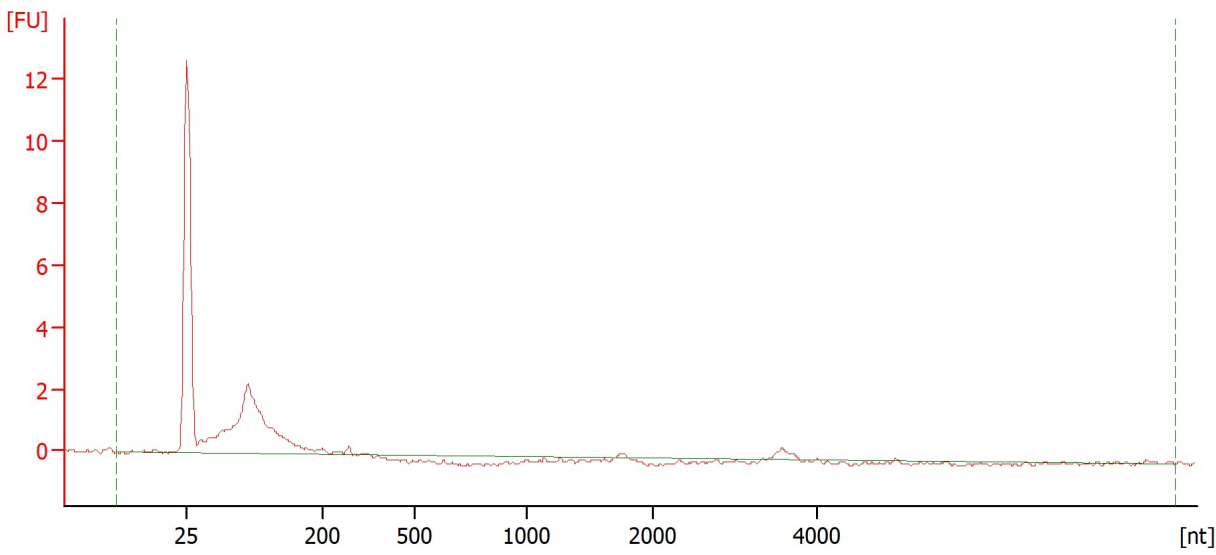
RNA Area:	33.6	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	145 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-02-12\HiSeq2087_RNAQC.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 1:05:23 PM

Electropherogram Summary Continued ...

ADC5N2 [HiSeq2087 #4]



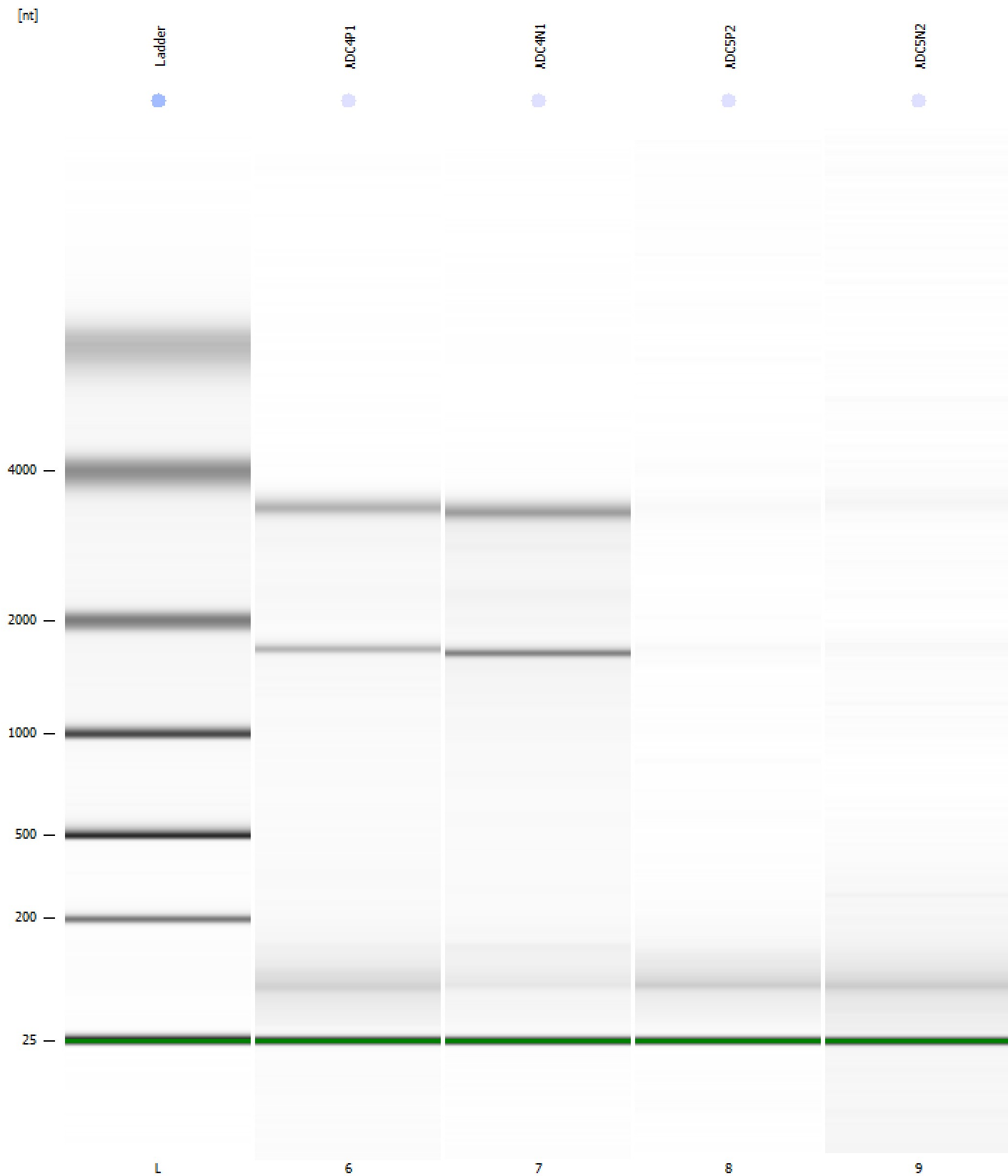
Overall Results for sample 9 : ADC5N2

RNA Area:	18.2	RNA Integrity Number (RIN):	1.8 (B.02.10)
RNA Concentration:	78 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-02-12\HiSeq2087_RNAQC.xad

Created: 2/12/2020 12:33:39 PM
Modified: 2/12/2020 1:05:23 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-02-12\HiSeq2087_RNAQC.xad

Created: 2/12/2020 12:33:39 PM
 Modified: 2/12/2020 1:05:23 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		2/12/2020 12:53:41 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-02-12\Bioanalyze_r1_Eukaryote Total RNA Pico_2020-02-12_001.xad)		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/12/2020 12:33:45 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/12/2020 12:33:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB