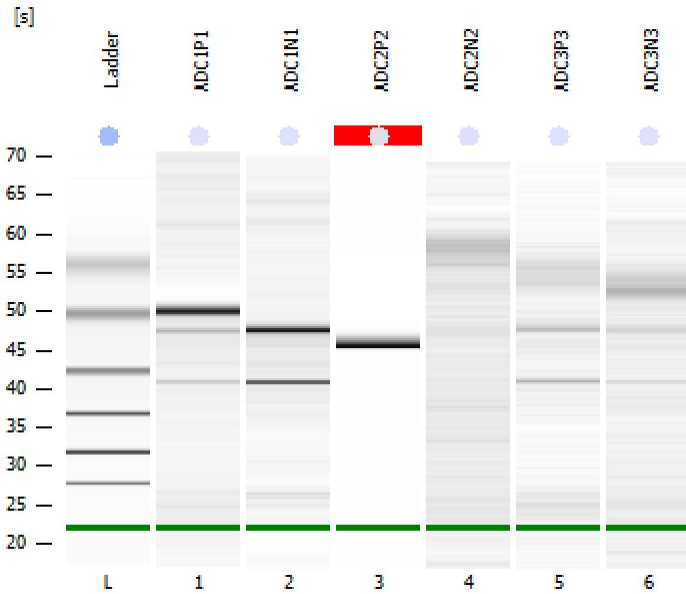


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:52:42 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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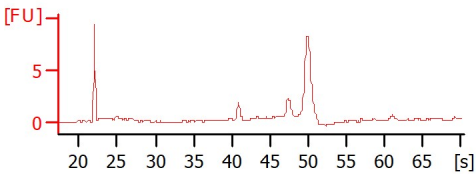
Chip Information:

Chip Lot #:

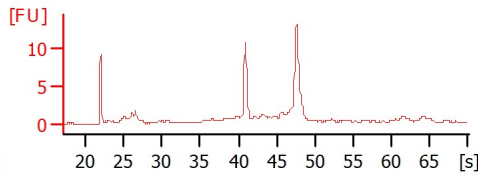
Reagent Kit Lot #:

Chip Comments:

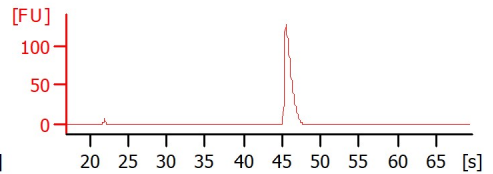
ADC1P1
HiSeq2031
RIN: 4.50



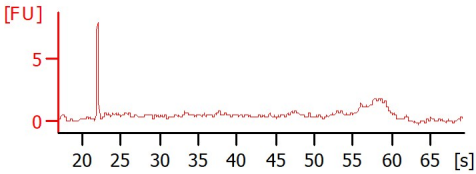
ADC1N1
HiSeq2031
RIN: 8.40



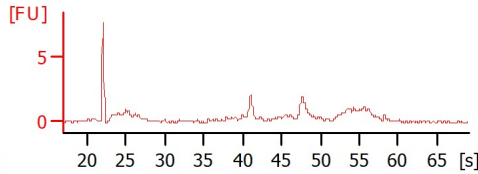
ADC2P2
HiSeq2031
RIN N/A



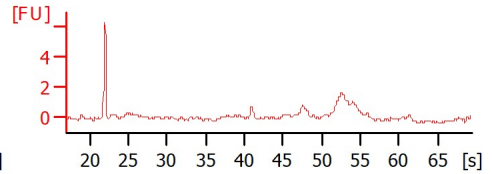
ADC2N2
HiSeq2031
RIN: 1.10



ADC3P3
HiSeq2031
RIN: 8.30



ADC3N3
HiSeq2031
RIN: 6.20



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
 Modified: 12/13/2019 2:52:42 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
ADC1P1	HiSeq2031	✓	RIN: 4.50	
ADC1N1	HiSeq2031	✓	RIN: 8.40	
ADC2P2	HiSeq2031	✓	RIN N/A	
ADC2N2	HiSeq2031	✓	RIN: 1.10	
ADC3P3	HiSeq2031	✓	RIN: 8.30	
ADC3N3	HiSeq2031	✓	RIN: 6.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:52:42 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

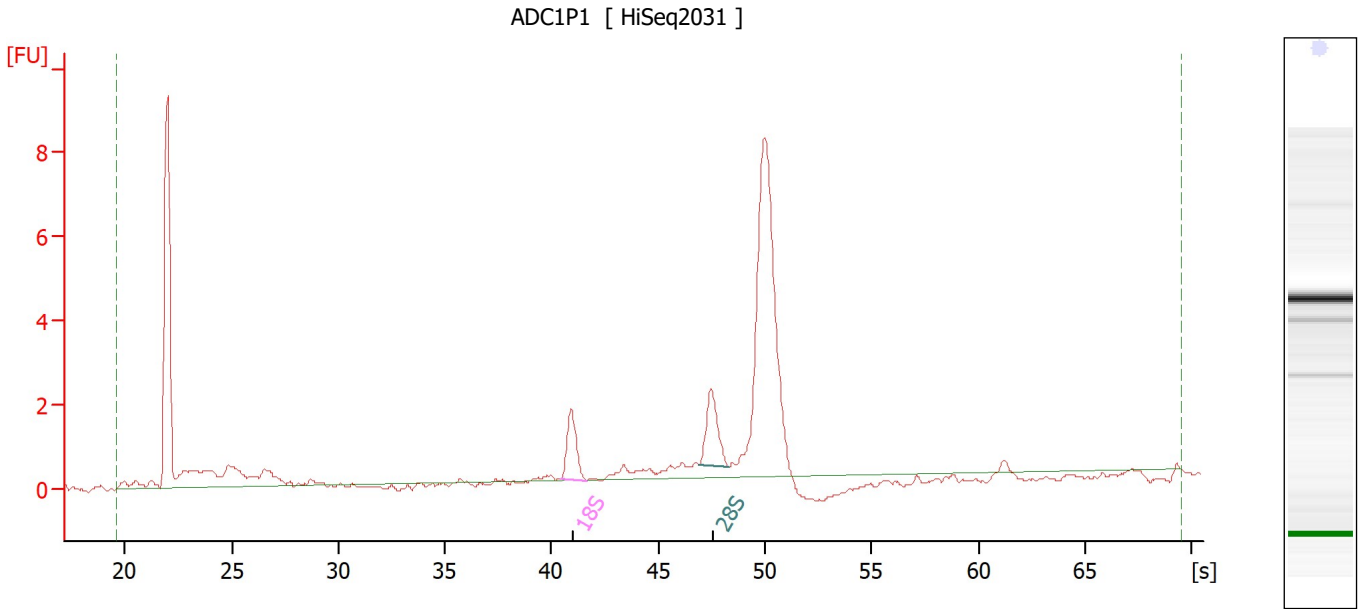
Ladder

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\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
 Modified: 12/13/2019 2:52:42 PM

Electropherogram Summary



Overall Results for sample 1 : ADC1P1

RNA Area:	32.8	RNA Integrity Number (RIN):	4.5 (B.02.10)
RNA Concentration:	183 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 4.50

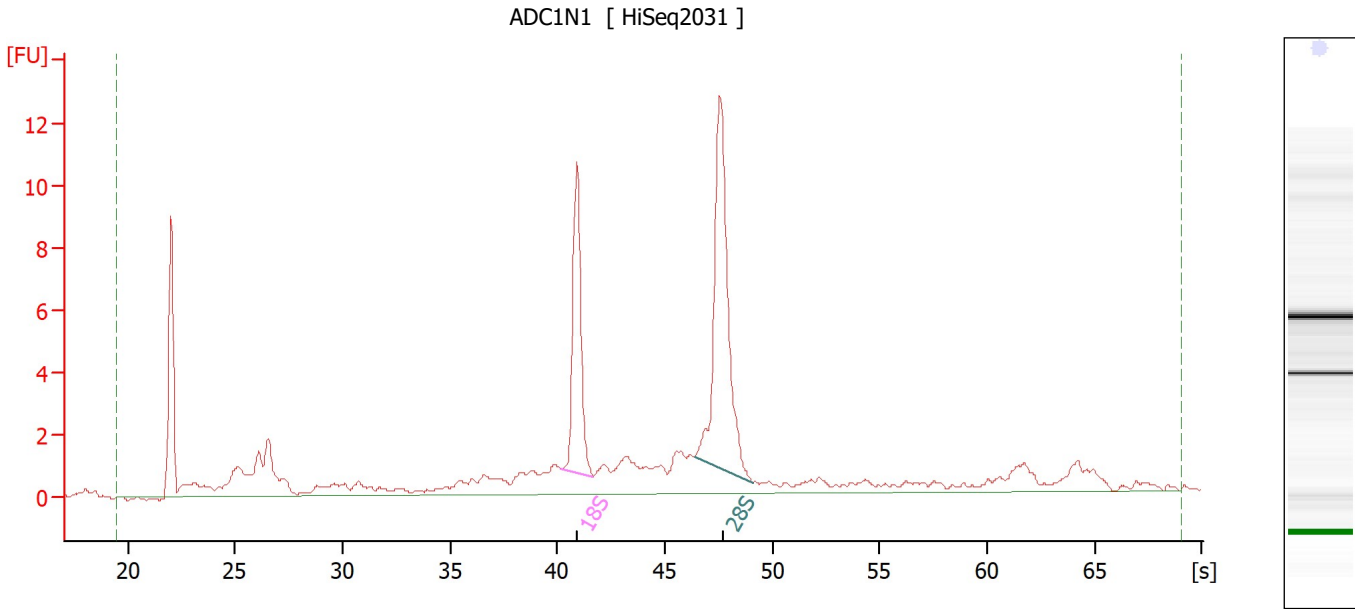
Fragment table for sample 1 : ADC1P1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.43	41.63	2.0	6.0
28S	46.92	48.33	2.4	7.3

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:52:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : ADC1N1

RNA Area: 81.6 RNA Integrity Number (RIN): 8.4 (B.02.10)
RNA Concentration: 454 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 8.40

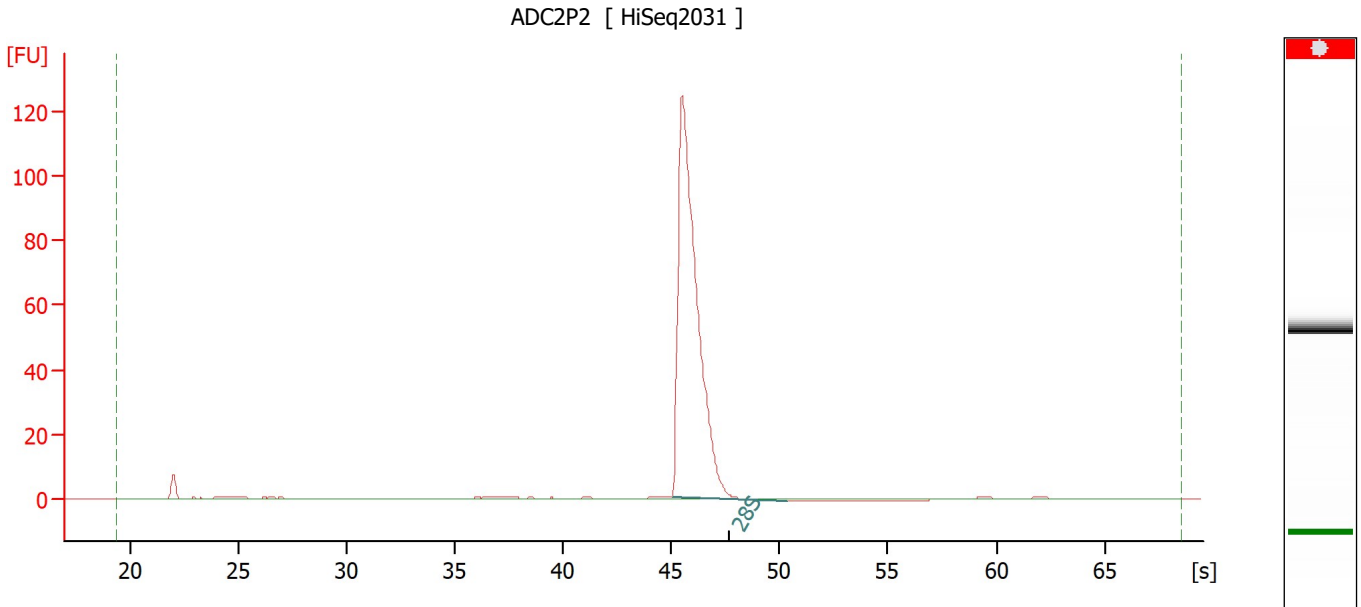
Fragment table for sample 2 : ADC1N1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.15	41.65	10.3	12.6
28S	46.35	49.05	18.2	22.3

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:52:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : ADC2P2

RNA Area:	285.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	1,587 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

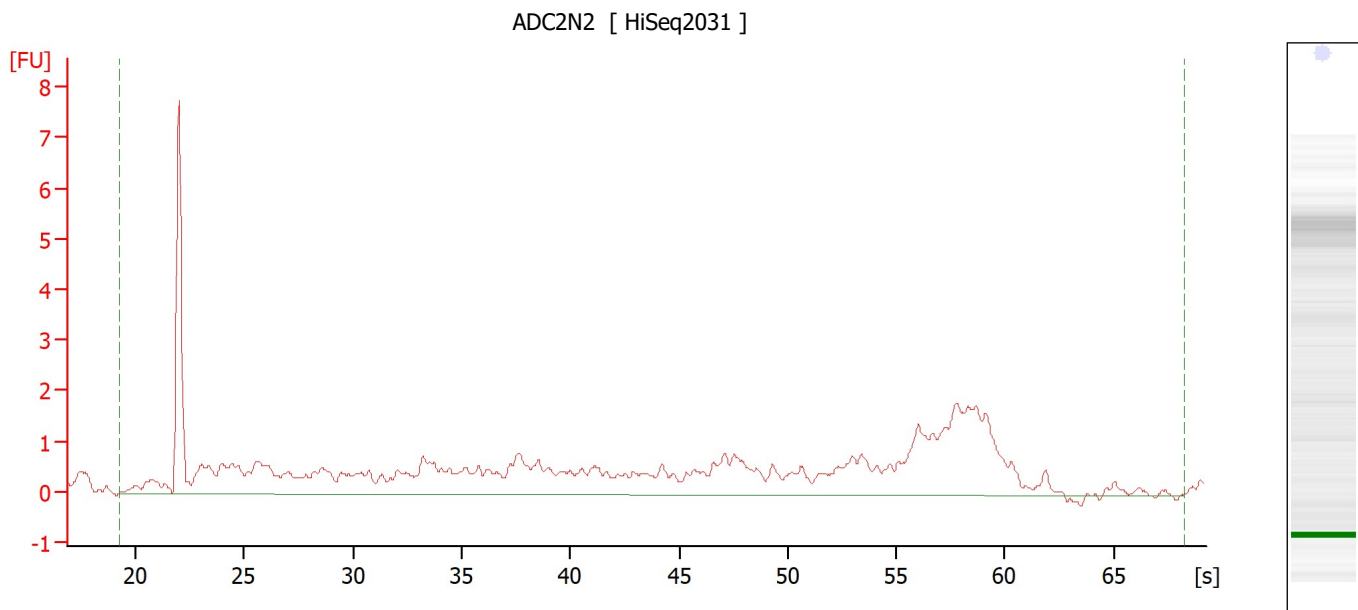
Fragment table for sample 3 : ADC2P2

Name	Start Time [s]	End Time [s]	Area	% of total Area
28S	45.04	50.31	271.9	95.4

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:52:42 PM

Electropherogram Summary Continued ...



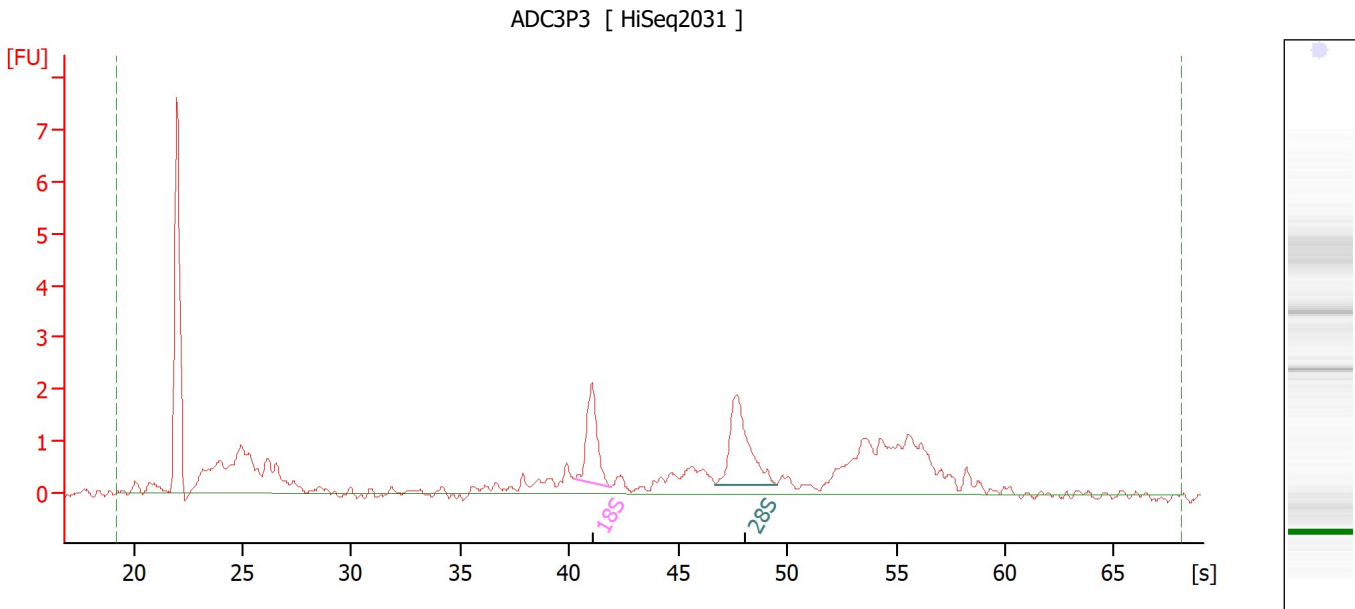
Overall Results for sample 4 : ADC2N2

RNA Area:	54.9	RNA Integrity Number (RIN):	1.1 (B.02.10)
RNA Concentration:	306 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:52:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : ADC3P3

RNA Area:	33.9	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	189 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.30

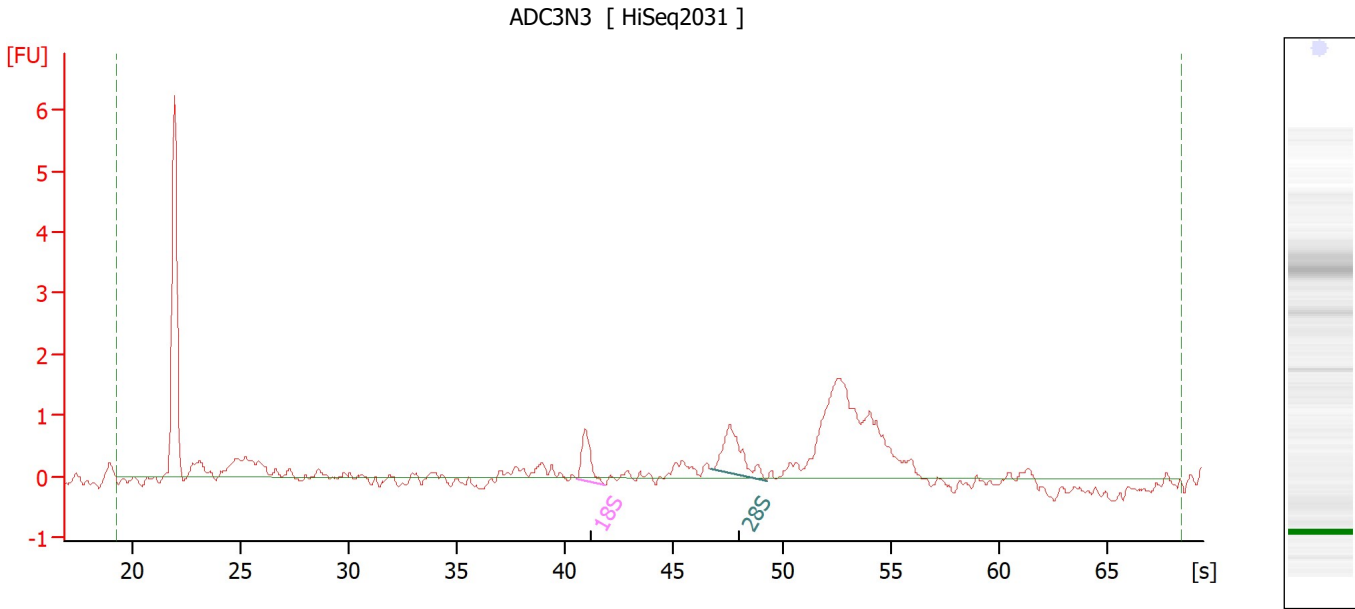
Fragment table for sample 5 : ADC3P3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.25	41.88	2.5	7.5
28S	46.71	49.52	3.6	10.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:52:42 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : ADC3N3

RNA Area:	16.8	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	93 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 6.20

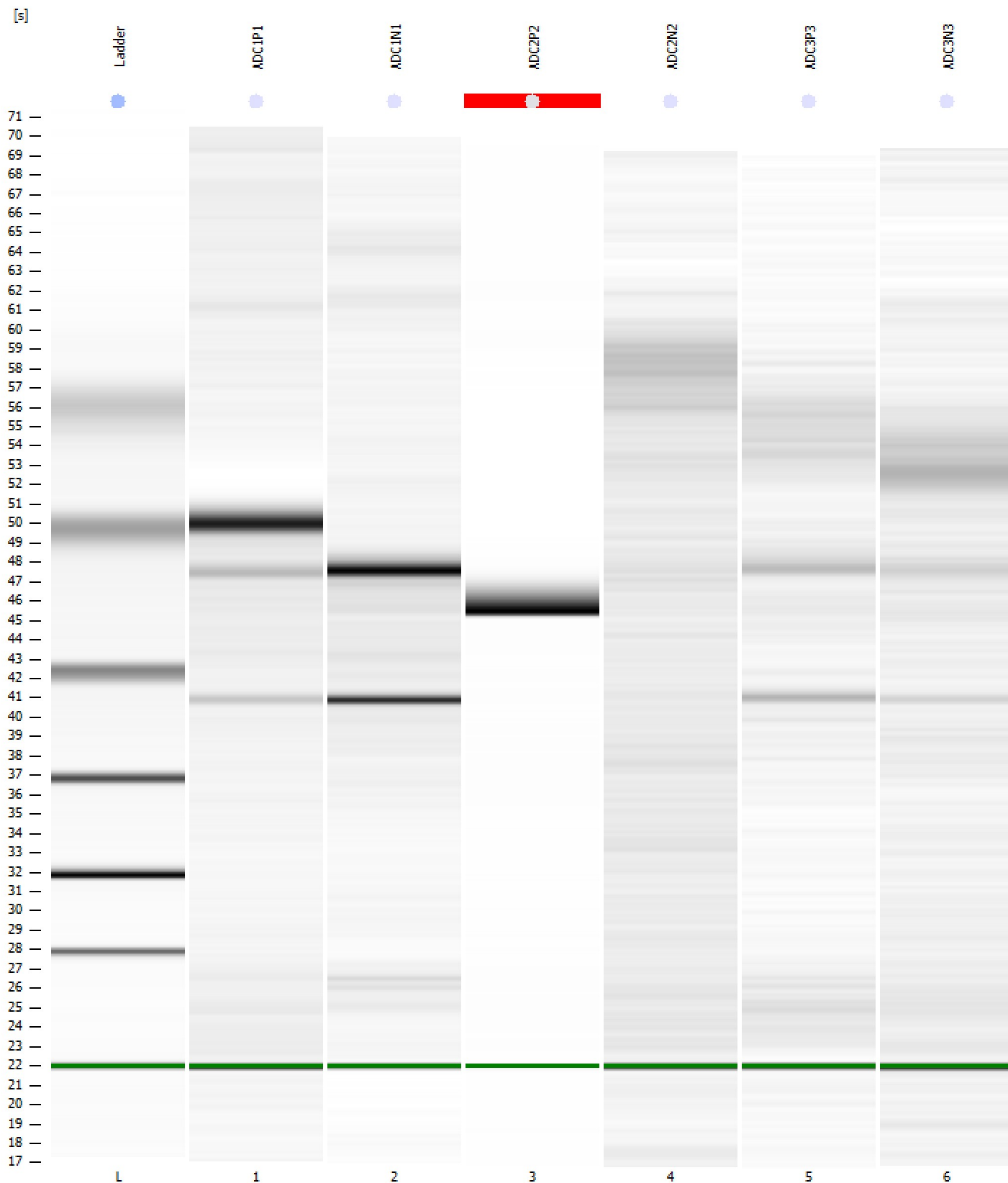
Fragment table for sample 6 : ADC3N3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.53	41.77	1.0	5.9
28S	46.73	49.25	1.6	9.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:52:42 PM

Gel Image

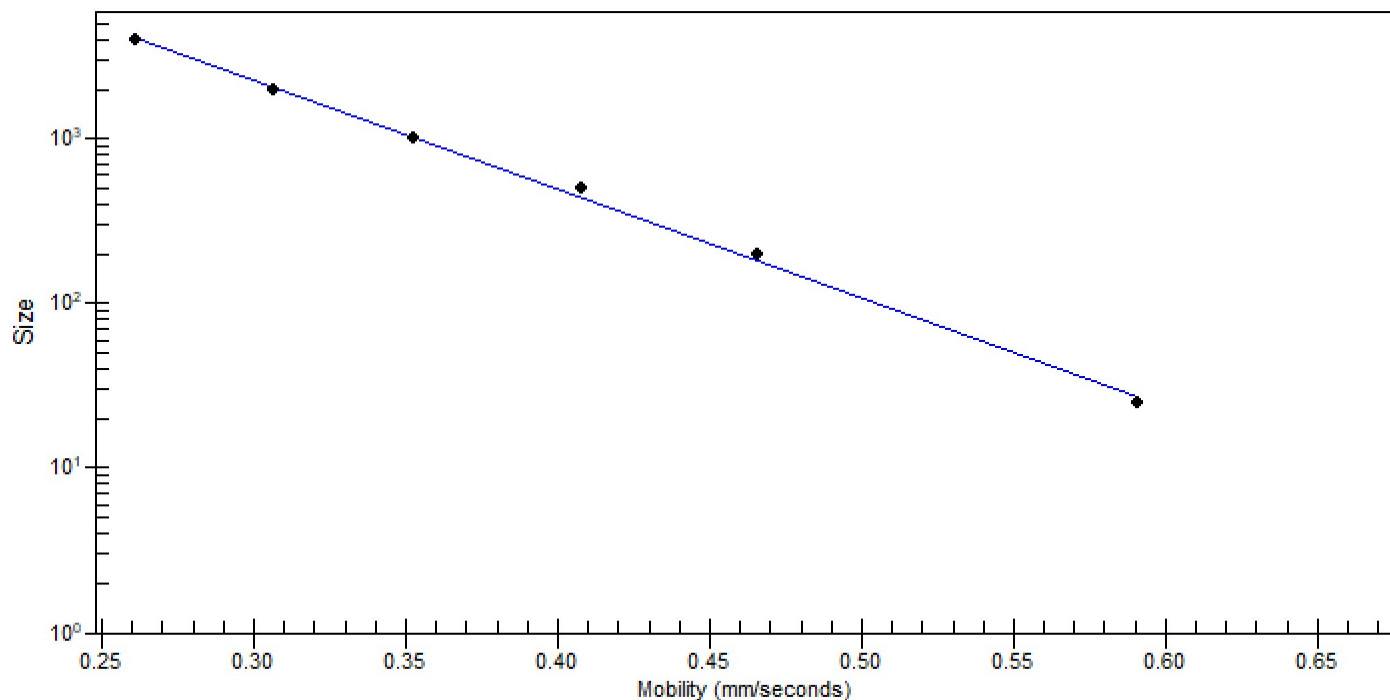


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
Modified: 12/13/2019 2:52:42 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2019-12-13\HiSeq2031_RNAQC.xad

Created: 12/13/2019 2:10:26 PM
 Modified: 12/13/2019 2:52:42 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		12/13/2019 2:33:23 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-13\Bioanalyze_r_Eukaryote Total RNA Pico_2019-12-13_002.xad)		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/13/2019 2:10:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB