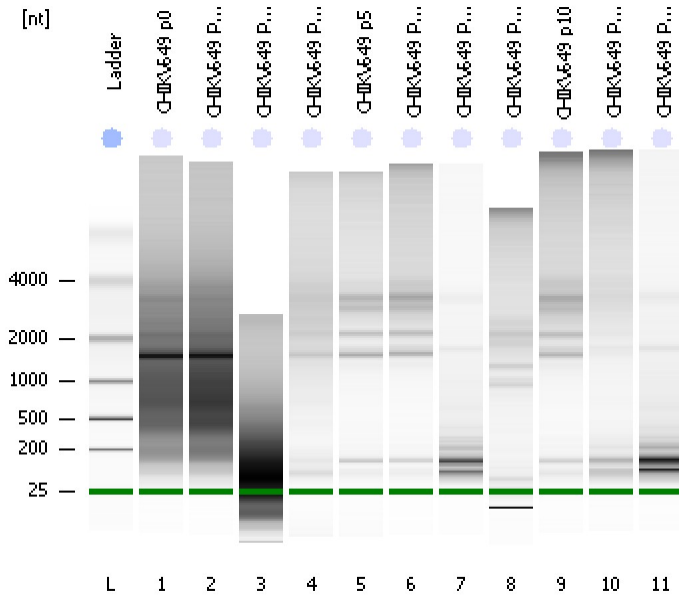


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
Modified: 5/4/2018 11:13:08 AM

Electrophoresis File Run Summary



Instrument Information:

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

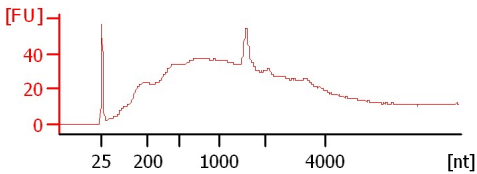
Assay Information:

Assay Origin Path: C:\Program Files\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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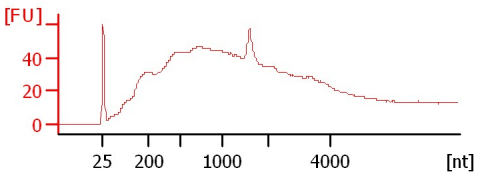
Chip Information:

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

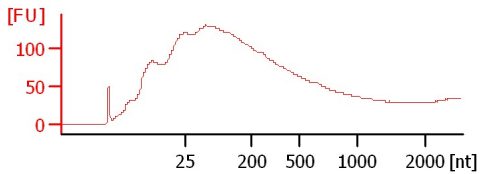
CHIKV649 p0
RIN: 3.10



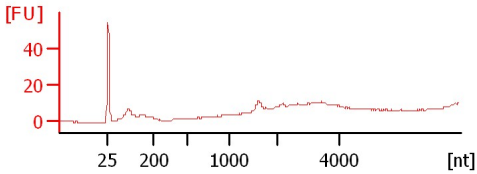
CHIKV649 P2P4 p0
RIN: 2.90



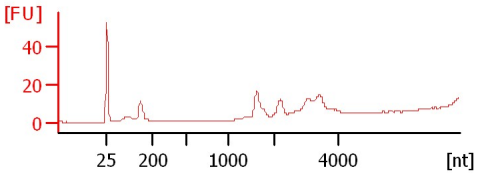
CHIKV649 P2P4IRES p0
RIN: 2.30



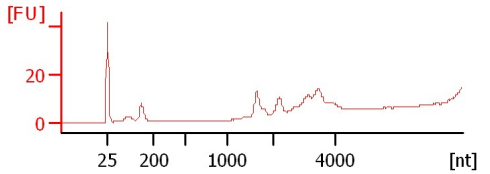
CHIKV649 P2P4E3E1 p0
RIN: 4.40



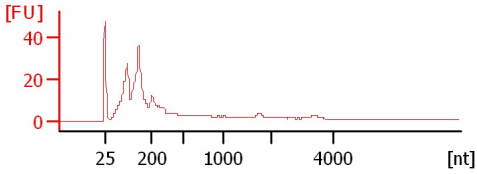
CHIKV649 p5
RIN: 9.70



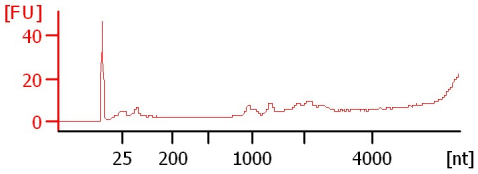
CHIKV649 P2P4 p5
RIN: 10



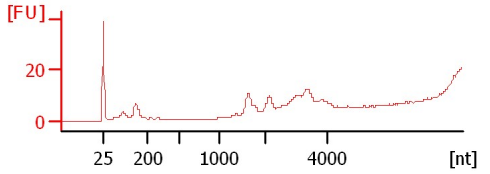
CHIKV649 P2P4IRES p5
RIN: 2.60



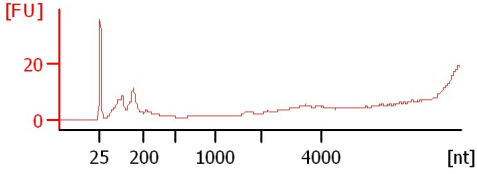
CHIKV649 P2P4E3E1 p5
RIN: 5.80



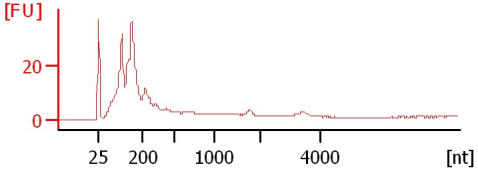
CHIKV649 p10
RIN: 9.40



CHIKV649 P2P4 p10
RIN: 2.70



CHIKV649 P2P4IRES p10
RIN: 2.70



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
 Modified: 5/4/2018 11:13:08 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
CHIKV649 p0		✓	RIN: 3.10	
CHIKV649 P2P4 p0		✓	RIN: 2.90	
CHIKV649 P2P4IRES p0		✓	RIN: 2.30	
CHIKV649 P2P4E3E1 p0		✓	RIN: 4.40	
CHIKV649 p5		✓	RIN: 9.70	
CHIKV649 P2P4 p5		✓	RIN:10	
CHIKV649 P2P4IRES p5		✓	RIN: 2.60	
CHIKV649 P2P4E3E1 p5		✓	RIN: 5.80	
CHIKV649 p10		✓	RIN: 9.40	
CHIKV649 P2P4 p10		✓	RIN: 2.70	
CHIKV649 P2P4IRES p10		✓	RIN: 2.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
Modified: 5/4/2018 11:13:08 AM

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

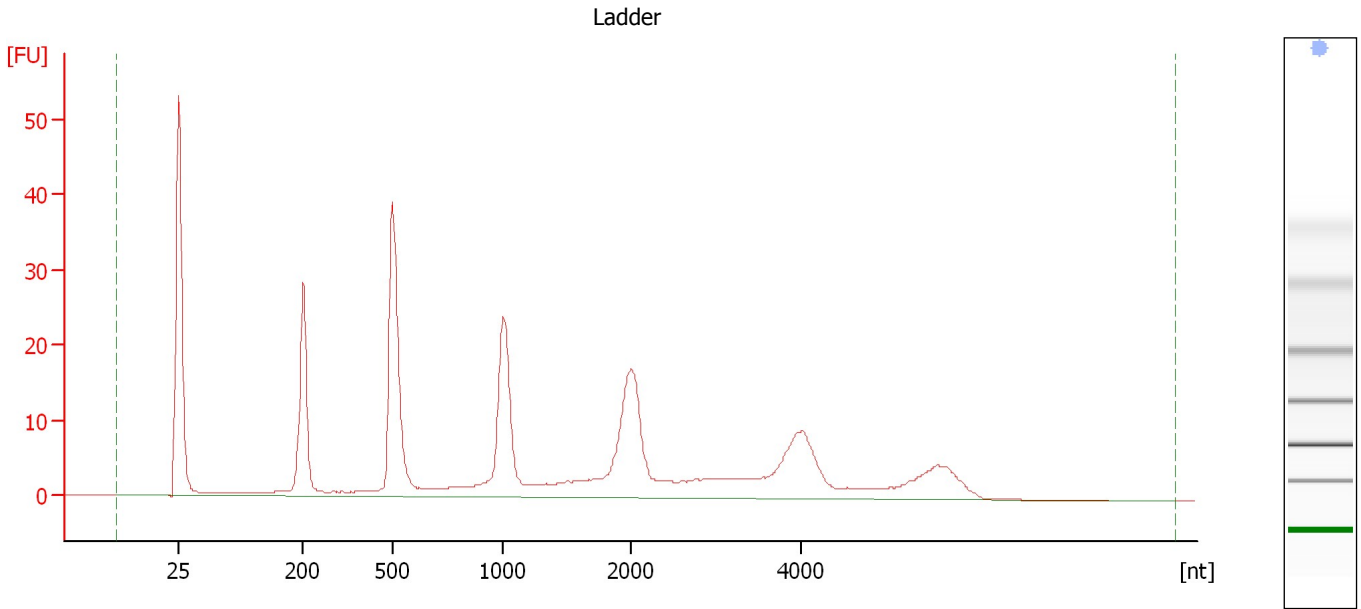
Ladder

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\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary



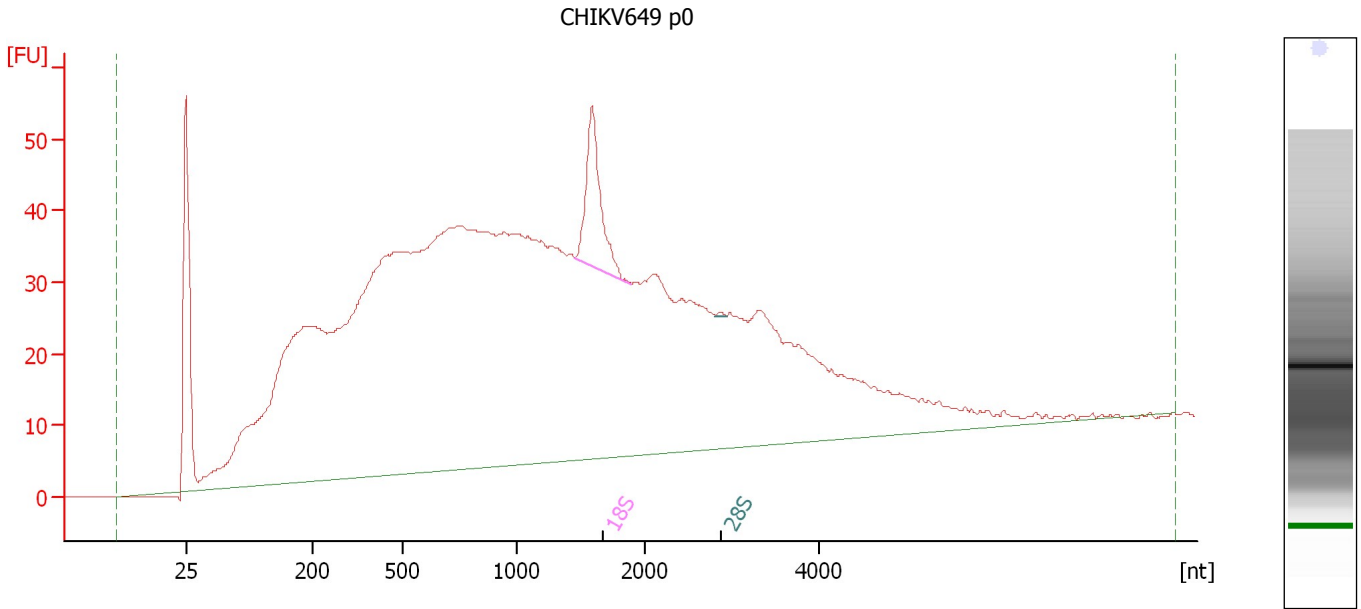
Overall Results for Ladder

RNA Area:	320.8	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\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
 Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : CHIKV649 p0

RNA Area:	1,906.3	RNA Integrity Number (RIN):	3.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	5,942 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.10

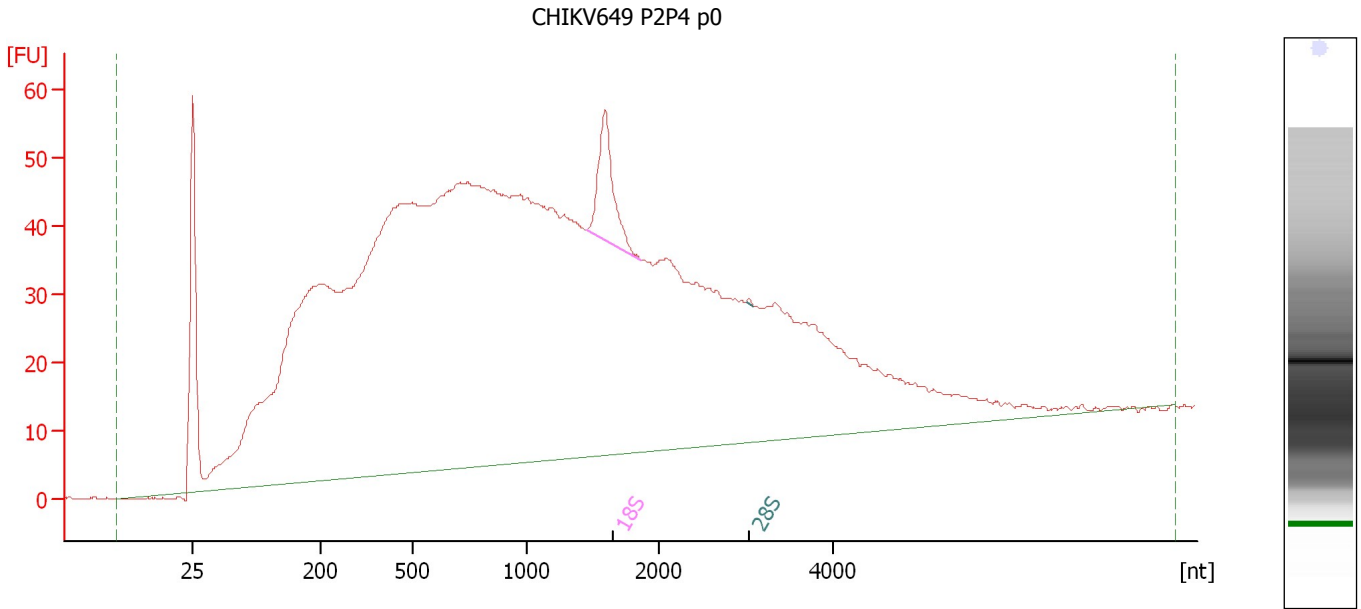
Fragment table for sample 1 : CHIKV649 p0

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,448	1,887	41.5	2.2
28S	2,809	2,933	0.3	0.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
 Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CHIKV649 P2P4 p0

RNA Area:	2,306.0	RNA Integrity Number (RIN):	2.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	7,188 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.90

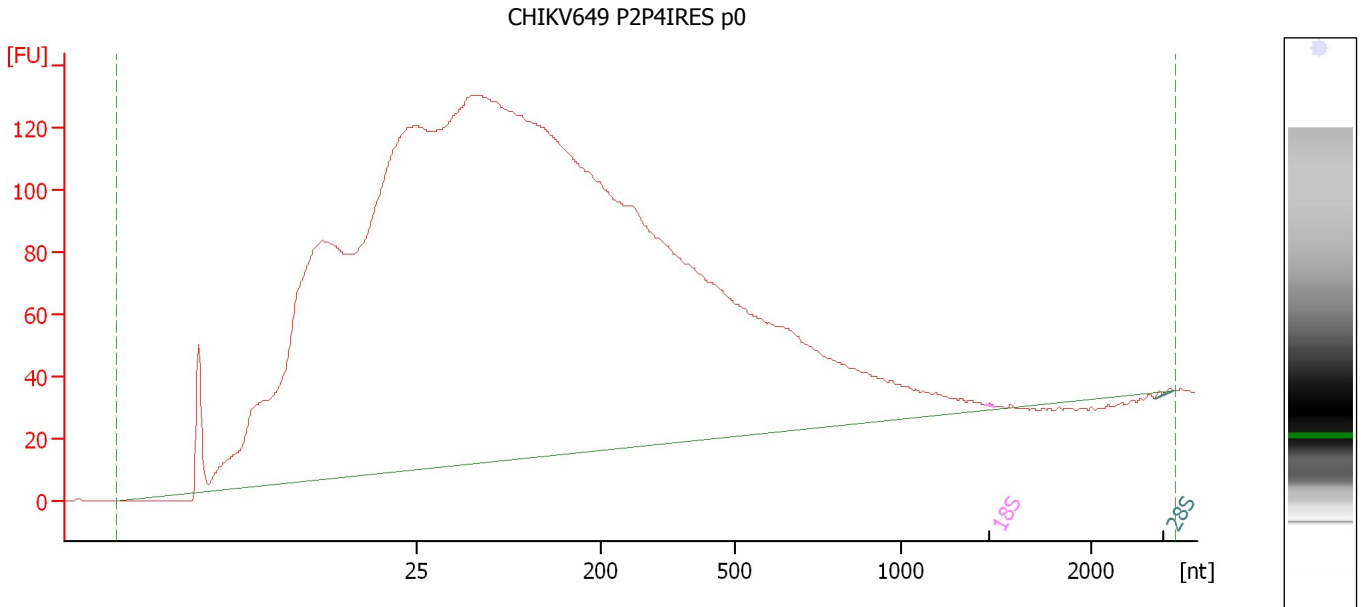
Fragment table for sample 2 : CHIKV649 P2P4 p0

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,450	1,875	35.7	1.5
28S	3,011	3,096	0.4	0.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
 Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CHIKV649 P2P4IRES p0

RNA Area:	4,611.2	RNA Integrity Number (RIN):	2.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	14,373 pg/μl		
rRNA Ratio [28s / 18s]:	2.9	Result Flagging Color:	
		Result Flagging Label:	RIN: 2.30

Fragment table for sample 3 : CHIKV649 P2P4IRES p0

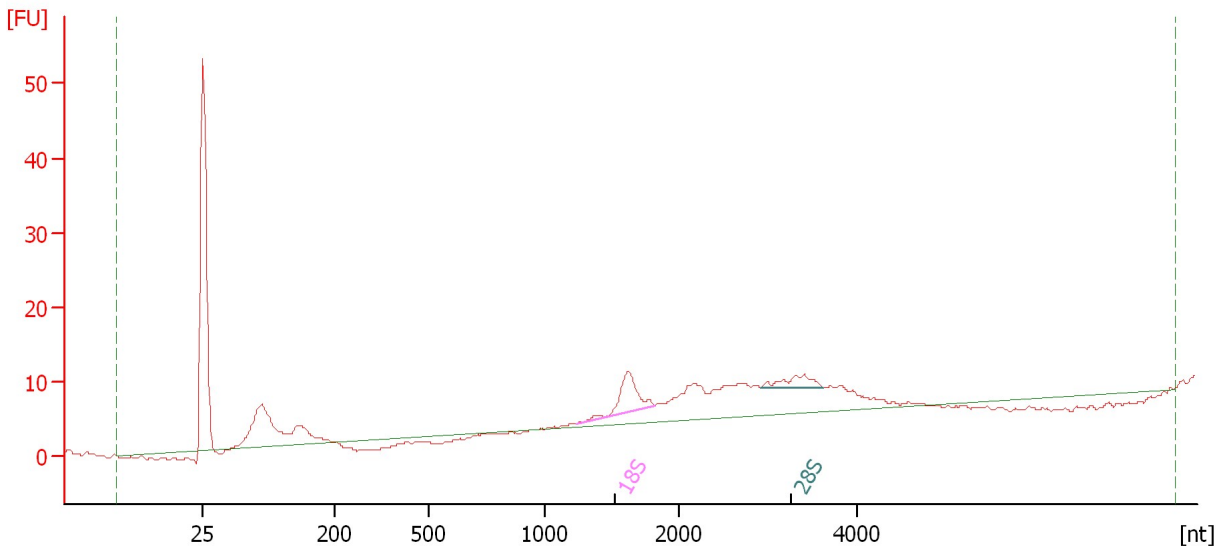
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,440	1,490	0.3	0.0
28S	2,491	2,642	1.0	0.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
 Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary Continued ...

CHIKV649 P2P4E3E1 p0



Overall Results for sample 4 : CHIKV649 P2P4E3E1 p0

RNA Area:	135.1	RNA Integrity Number (RIN):	4.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	421 µg/µl		
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Color:	
		Result Flagging Label:	RIN: 4.40

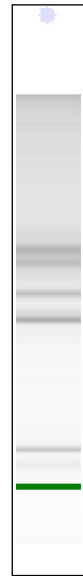
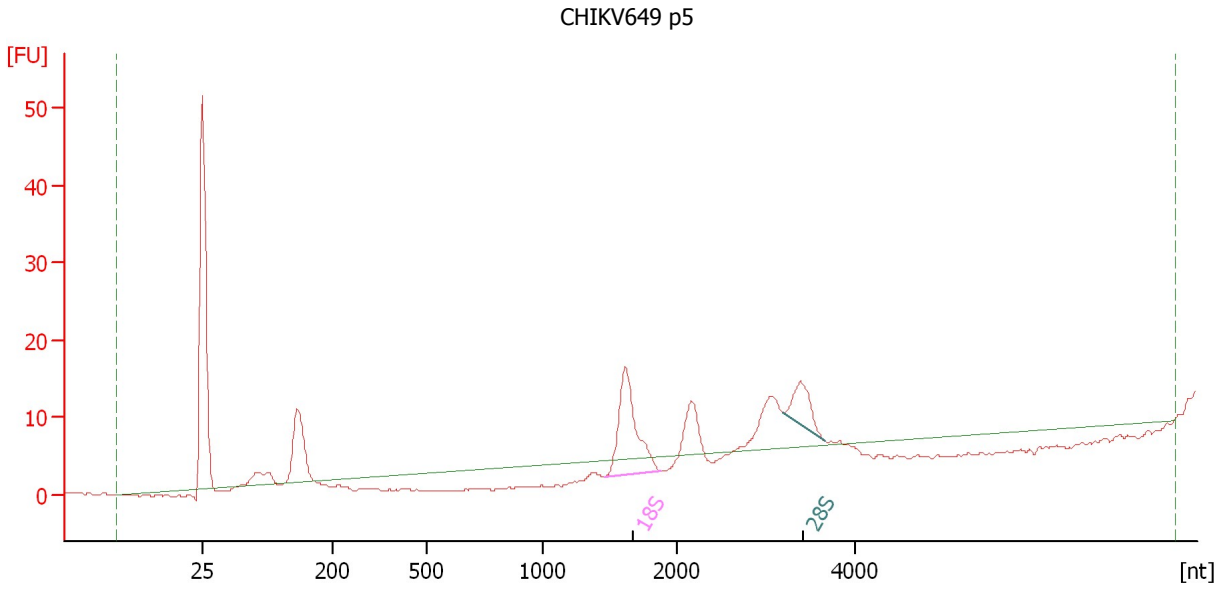
Fragment table for sample 4 : CHIKV649 P2P4E3E1 p0

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,242	1,826	11.4	8.4
28S	2,924	3,606	4.9	3.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : CHIKV649 p5

RNA Area:	93.9	RNA Integrity Number (RIN):	9.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	293 µg/µl		
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Color:	
		Result Flagging Label:	RIN: 9.70

Fragment table for sample 5 : CHIKV649 p5

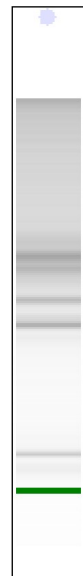
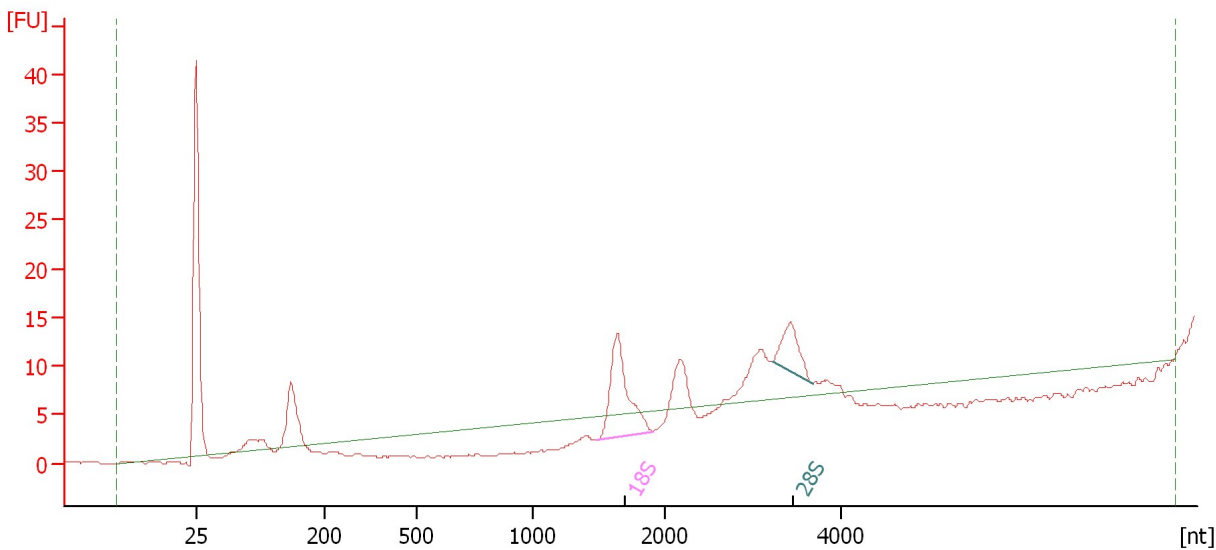
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,465	1,881	30.0	31.9
28S	3,189	3,669	9.9	10.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
 Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary Continued ...

CHIKV649 P2P4 p5



Overall Results for sample 6 : CHIKV649 P2P4 p5

RNA Area:	71.2	RNA Integrity Number (RIN):	10 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	222 pg/μl		
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Color:	
		Result Flagging Label:	RIN:10

Fragment table for sample 6 : CHIKV649 P2P4 p5

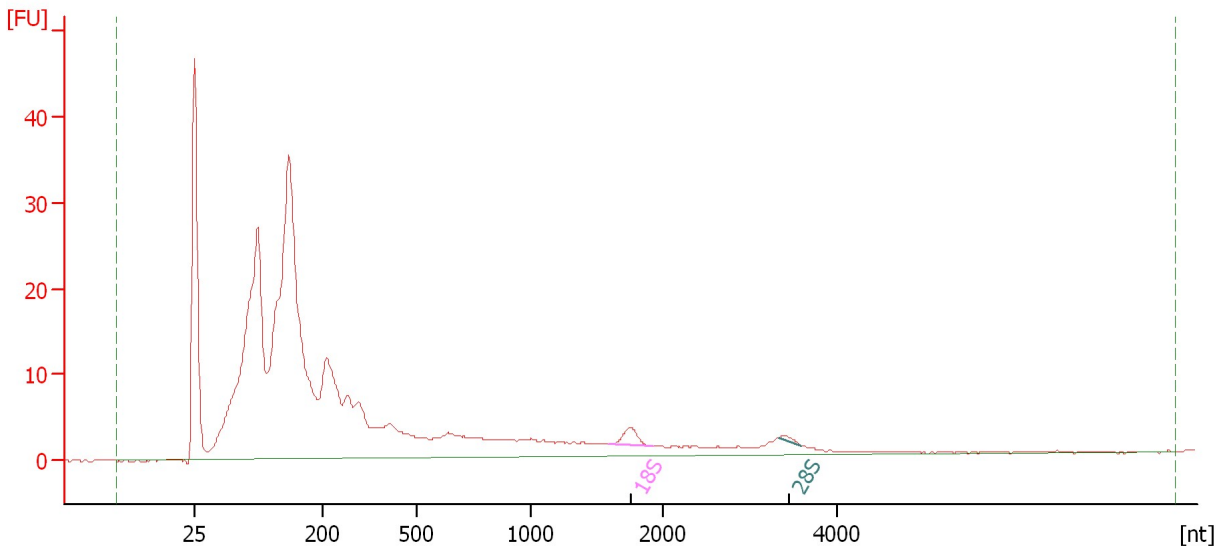
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,487	1,909	22.8	32.0
28S	3,225	3,686	9.1	12.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
 Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary Continued ...

CHIKV649 P2P4IRES p5



Overall Results for sample 7 : CHIKV649 P2P4IRES p5

RNA Area:	428.9	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	1,337 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 2.60

Fragment table for sample 7 : CHIKV649 P2P4IRES p5

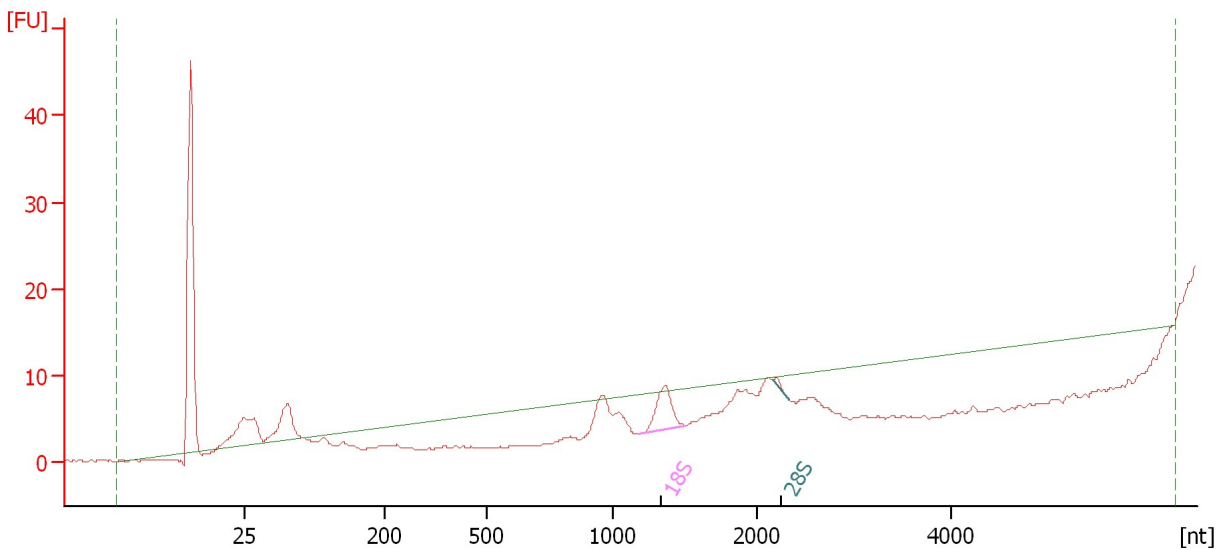
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	1,933	3.7	0.9
28S	3,336	3,580	0.6	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
 Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary Continued ...

CHIKV649 P2P4E3E1 p5



Overall Results for sample 8 : CHIKV649 P2P4E3E1 p5

RNA Area:	66.4	RNA Integrity Number (RIN):	5.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	207 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 5.80

Fragment table for sample 8 : CHIKV649 P2P4E3E1 p5

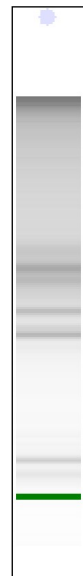
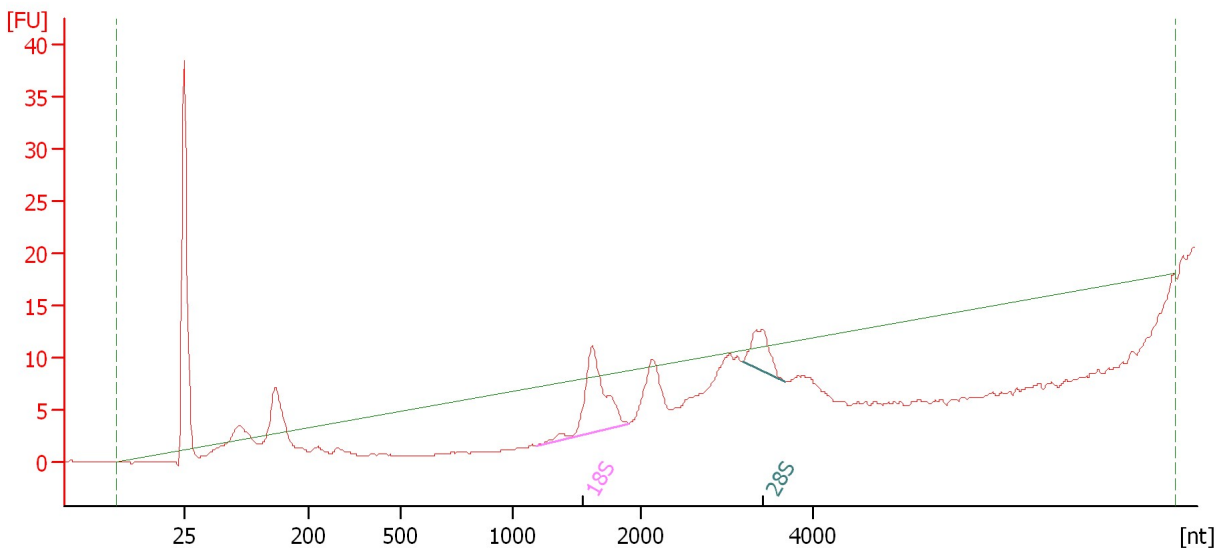
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,182	1,500	9.5	14.4
28S	2,148	2,325	0.6	0.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
 Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary Continued ...

CHIKV649 p10



Overall Results for sample 9 : CHIKV649 p10

RNA Area:	17.3	RNA Integrity Number (RIN):	9.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	54 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 9.40

Fragment table for sample 9 : CHIKV649 p10

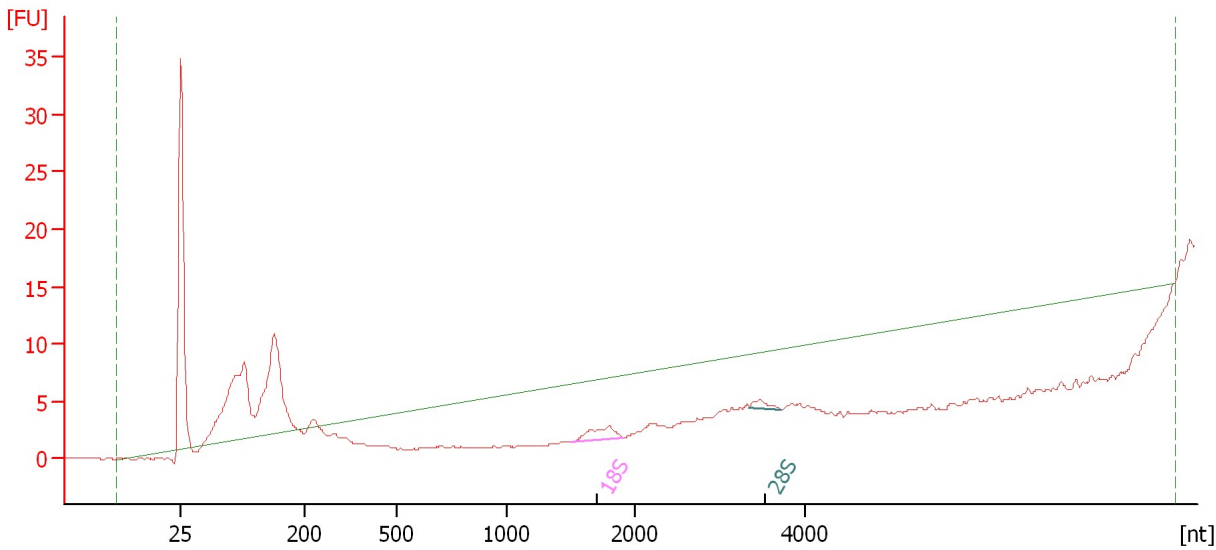
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,187	1,902	20.5	117.9
28S	3,172	3,670	7.6	44.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
 Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary Continued ...

CHIKV649 P2P4 p10



Overall Results for sample 10 : CHIKV649 P2P4 p10

RNA Area:	60.1	RNA Integrity Number (RIN):	2.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	187 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 2.70

Fragment table for sample 10 : CHIKV649 P2P4 p10

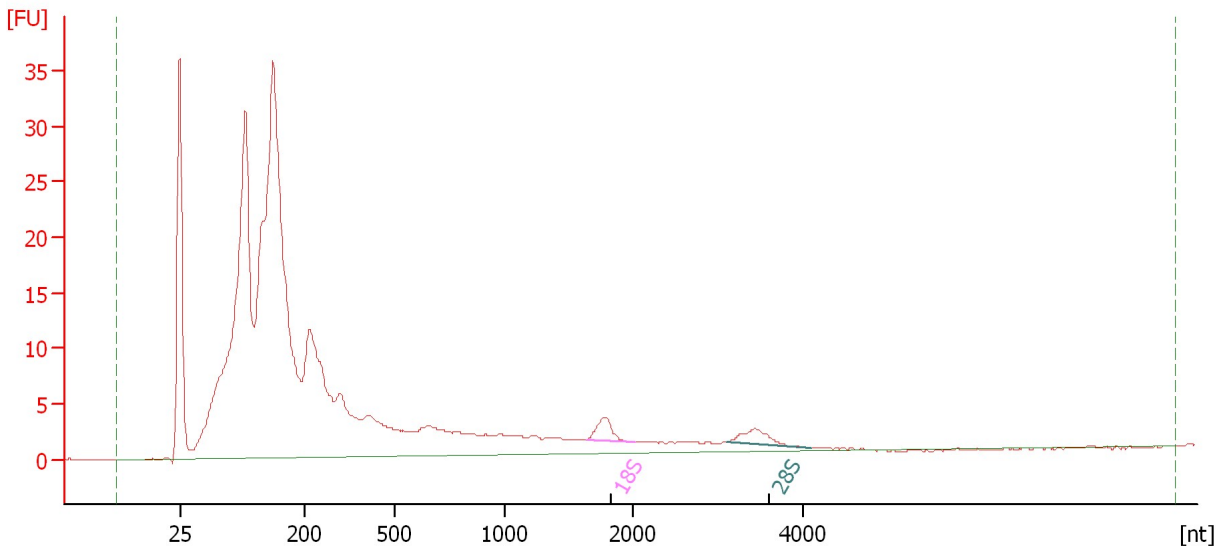
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,490	1,908	3.7	6.1
28S	3,341	3,717	1.1	1.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
Modified: 5/4/2018 11:13:08 AM

Electropherogram Summary Continued ...

CHIKV649 P2P4IRES p10



Overall Results for sample 11 : CHIKV649 P2P4IRES p10

RNA Area: 424.9 RNA Integrity Number (RIN): 2.7 (B.02.08)
RNA Concentration: 1,324 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 2.70

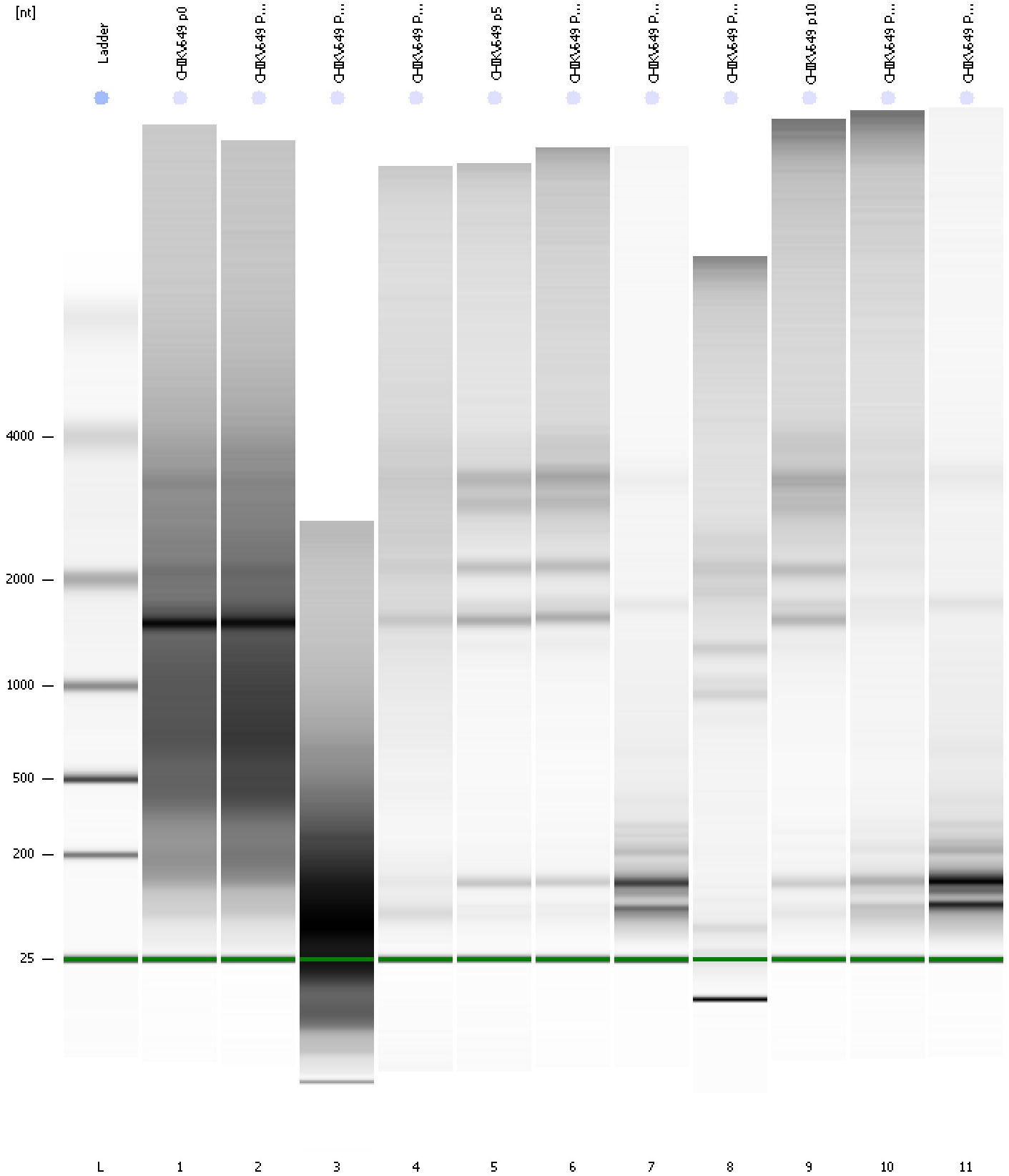
Fragment table for sample 11 : CHIKV649 P2P4IRES p10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,639	2,025	4.2	1.0
28S	3,092	4,084	4.5	1.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
Modified: 5/4/2018 11:13:08 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-04\2018-05-04_001.xad

Created: 5/4/2018 10:42:29 AM
Modified: 5/4/2018 11:13:08 AM

Curves

Standard Curve

