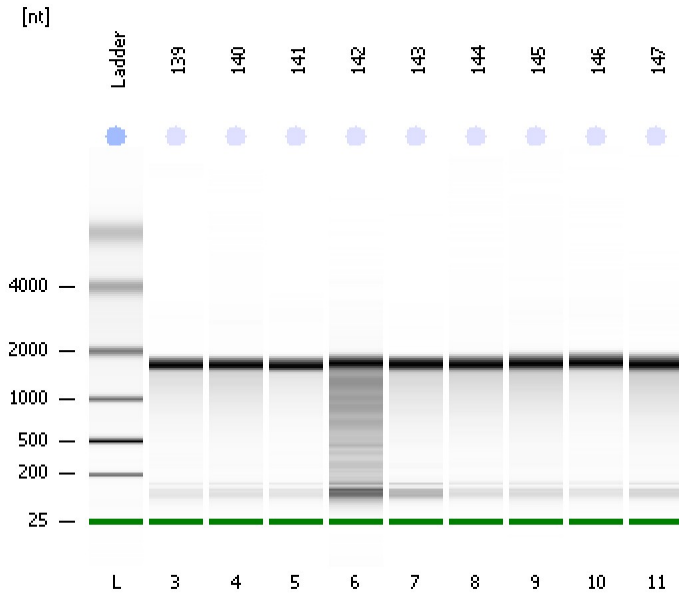


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
Modified: 6/12/2018 11:03:29 AM

Electrophoresis File Run Summary



Instrument Information:

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

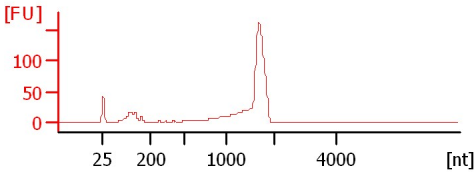
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

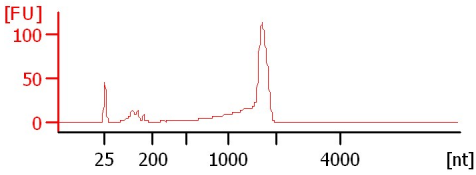
Chip Information:

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

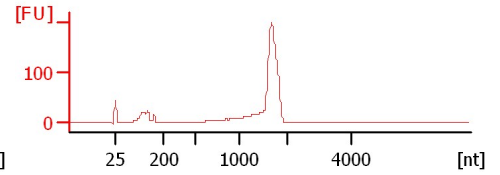
139
HiSeq1420
RIN: 8.10



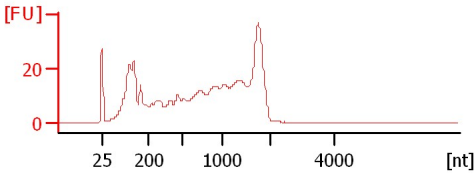
140
HiSeq1420
RIN: 7.70



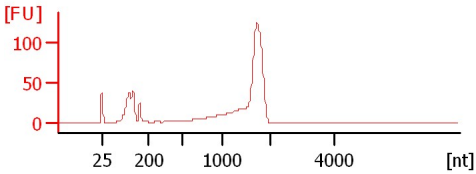
141
HiSeq1420
RIN: 9.50



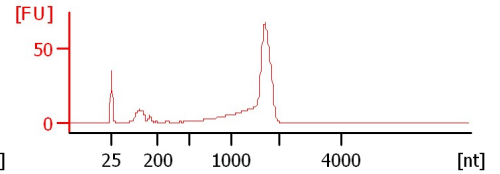
142
HiSeq1420
RIN: 5.70



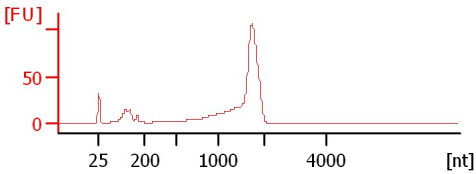
143
HiSeq1420
RIN: 7.80



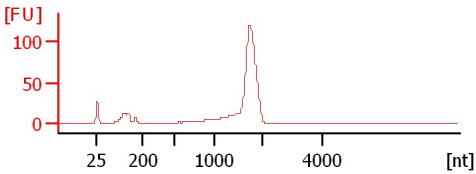
144
HiSeq1420
RIN: 9.10



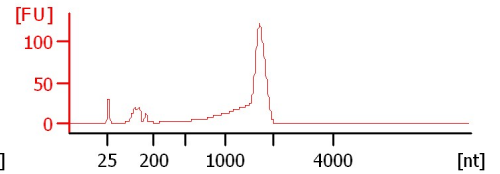
145
HiSeq1420
RIN: 9.70



146
HiSeq1420
RIN: 9.20



147
HiSeq1420
RIN: 10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
 Modified: 6/12/2018 11:03:29 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
139	HiSeq1420	✓	RIN: 8.10	
140	HiSeq1420	✓	RIN: 7.70	
141	HiSeq1420	✓	RIN: 9.50	
142	HiSeq1420	✓	RIN: 5.70	
143	HiSeq1420	✓	RIN: 7.80	
144	HiSeq1420	✓	RIN: 9.10	
145	HiSeq1420	✓	RIN: 9.70	
146	HiSeq1420	✓	RIN: 9.20	
147	HiSeq1420	✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
Modified: 6/12/2018 11:03:29 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/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 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

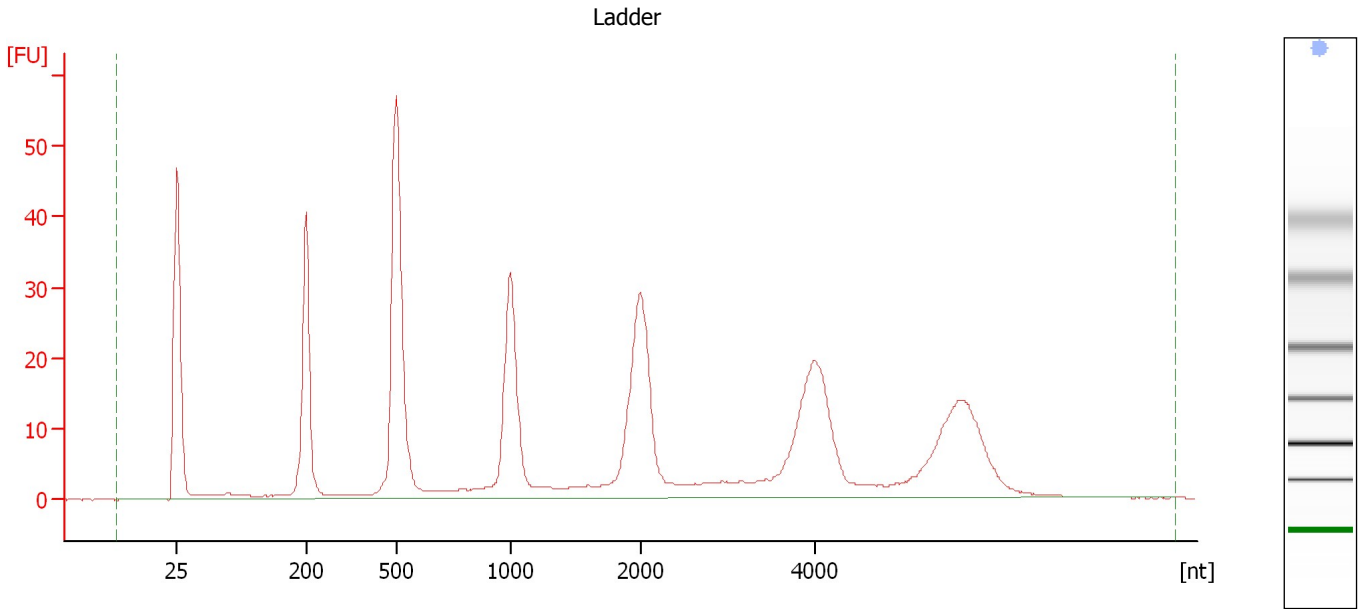
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
Modified: 6/12/2018 11:03:29 AM

Electropherogram Summary



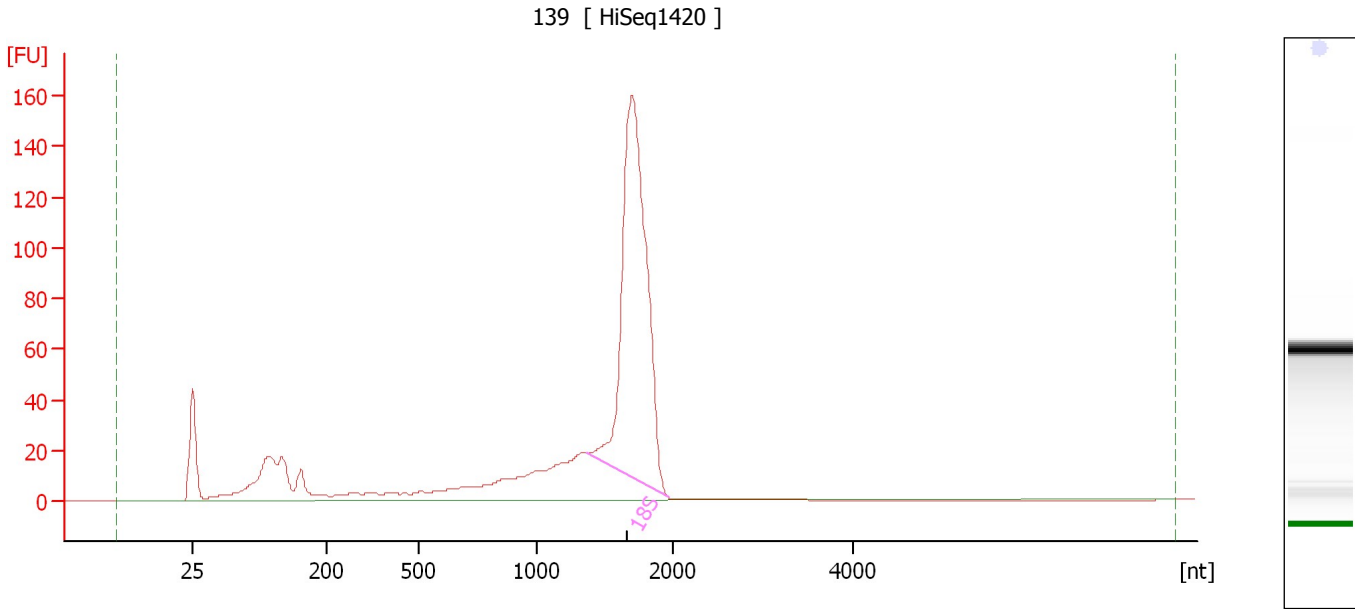
Overall Results for Ladder

RNA Area:	500.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
 Modified: 6/12/2018 11:03:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 139

RNA Area:	900.4	RNA Integrity Number (RIN):	8.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,800 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 8.10

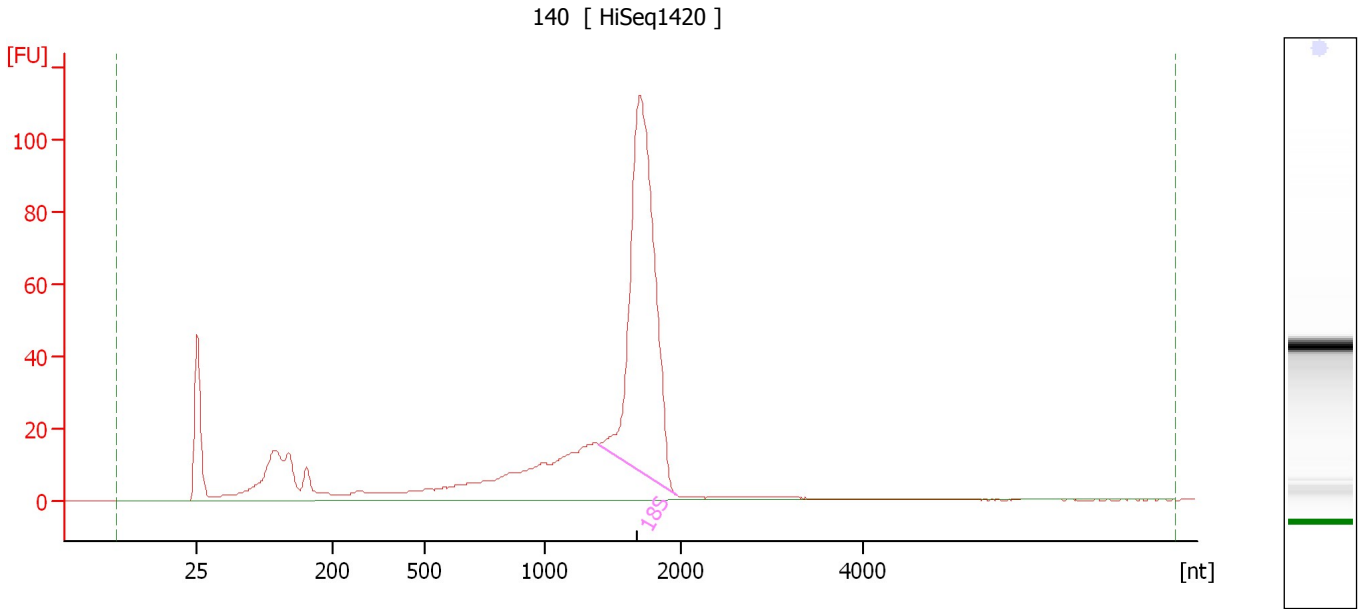
Fragment table for sample 3 : 139

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,368	1,971	453.6	50.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
Modified: 6/12/2018 11:03:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 140

RNA Area:	703.0	RNA Integrity Number (RIN):	7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,405 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.70

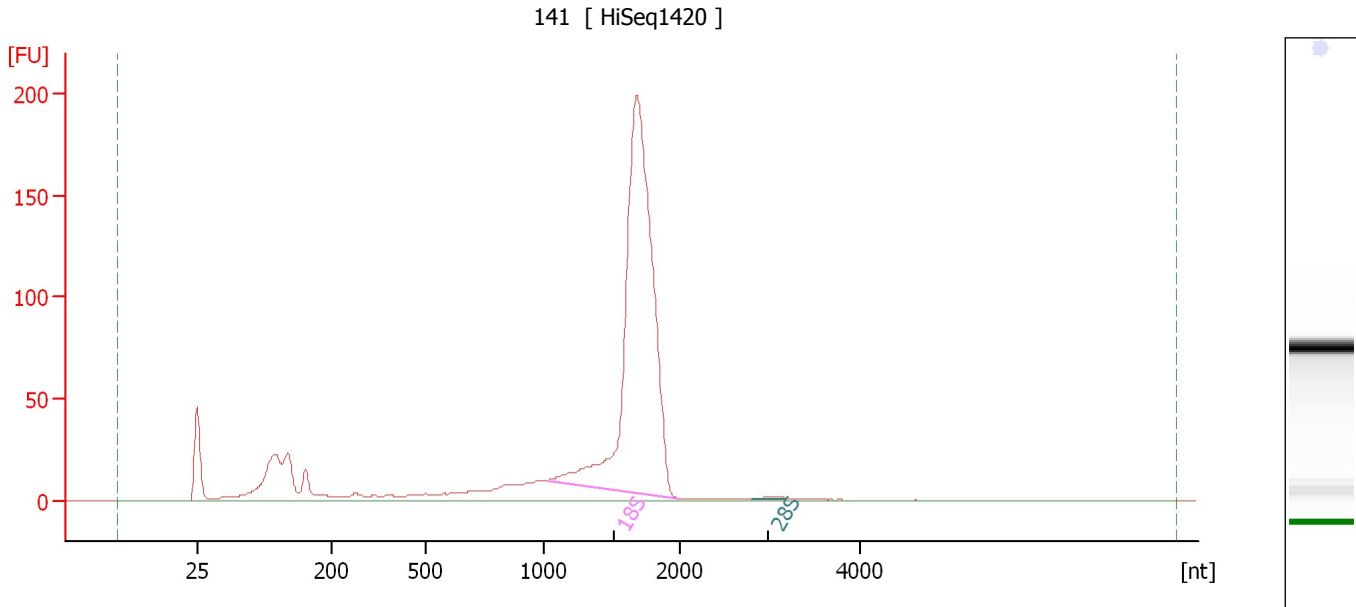
Fragment table for sample 4 : 140

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,398	1,972	311.3	44.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
 Modified: 6/12/2018 11:03:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 141

RNA Area:	1,042.9	RNA Integrity Number (RIN):	9.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,085 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 9.50

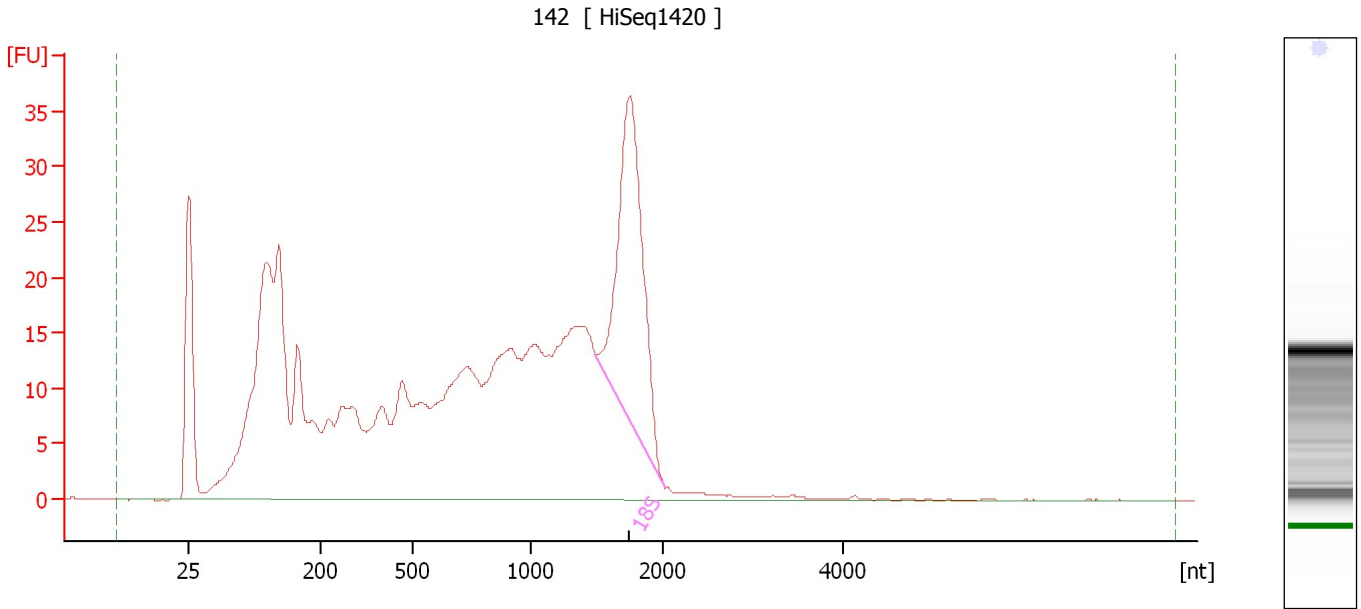
Fragment table for sample 5 : 141

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,026	1,995	660.1	63.3
28S	2,807	3,173	0.8	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
 Modified: 6/12/2018 11:03:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 142

RNA Area:	719.0	RNA Integrity Number (RIN):	5.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,437 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.70

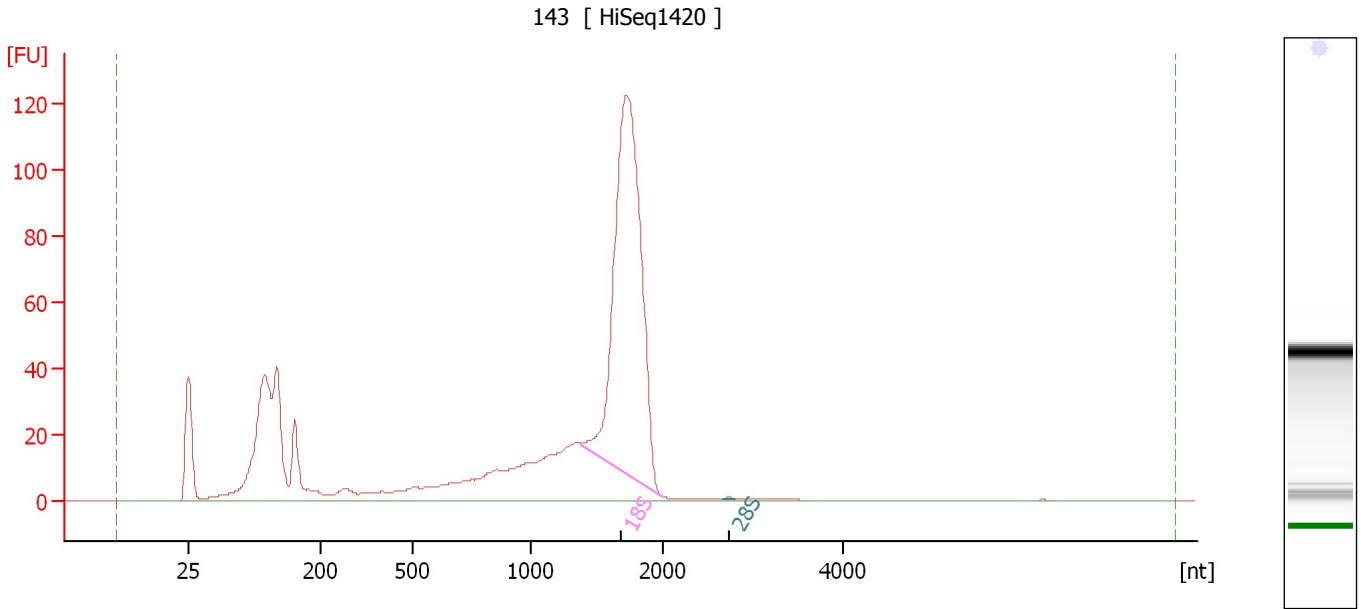
Fragment table for sample 6 : 142

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,490	2,003	89.2	12.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
 Modified: 6/12/2018 11:03:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 143

RNA Area:	944.3	RNA Integrity Number (RIN):	7.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,887 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.80

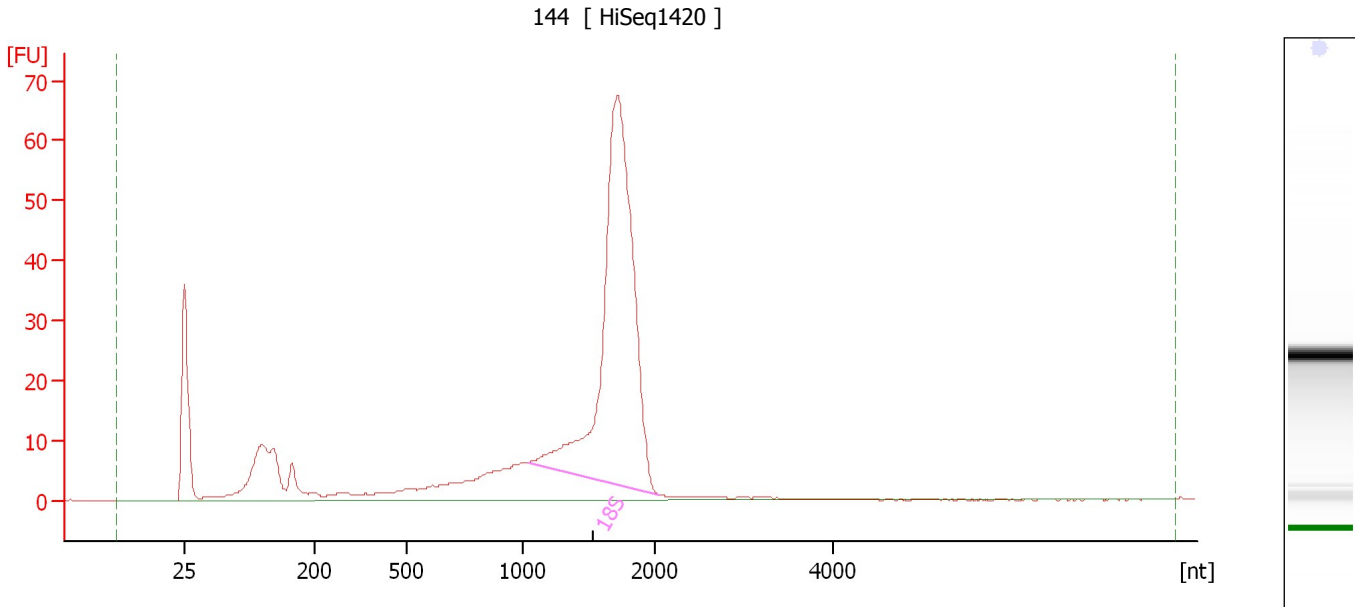
Fragment table for sample 7 : 143

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,386	1,994	380.0	40.2
28S	2,662	2,805	0.5	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
 Modified: 6/12/2018 11:03:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 144

RNA Area:	440.5	RNA Integrity Number (RIN):	9.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	880 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 9.10

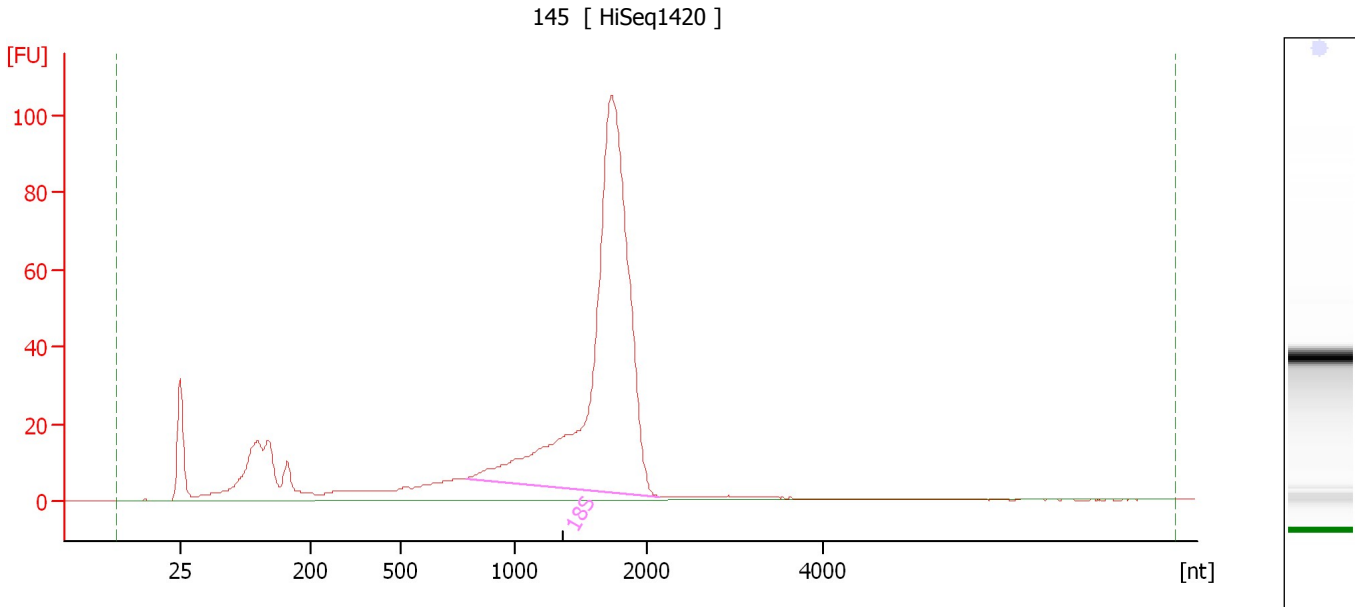
Fragment table for sample 8 : 144

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,041	2,050	247.6	56.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
 Modified: 6/12/2018 11:03:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 145

RNA Area:	766.6	RNA Integrity Number (RIN):	9.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,532 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 9.70

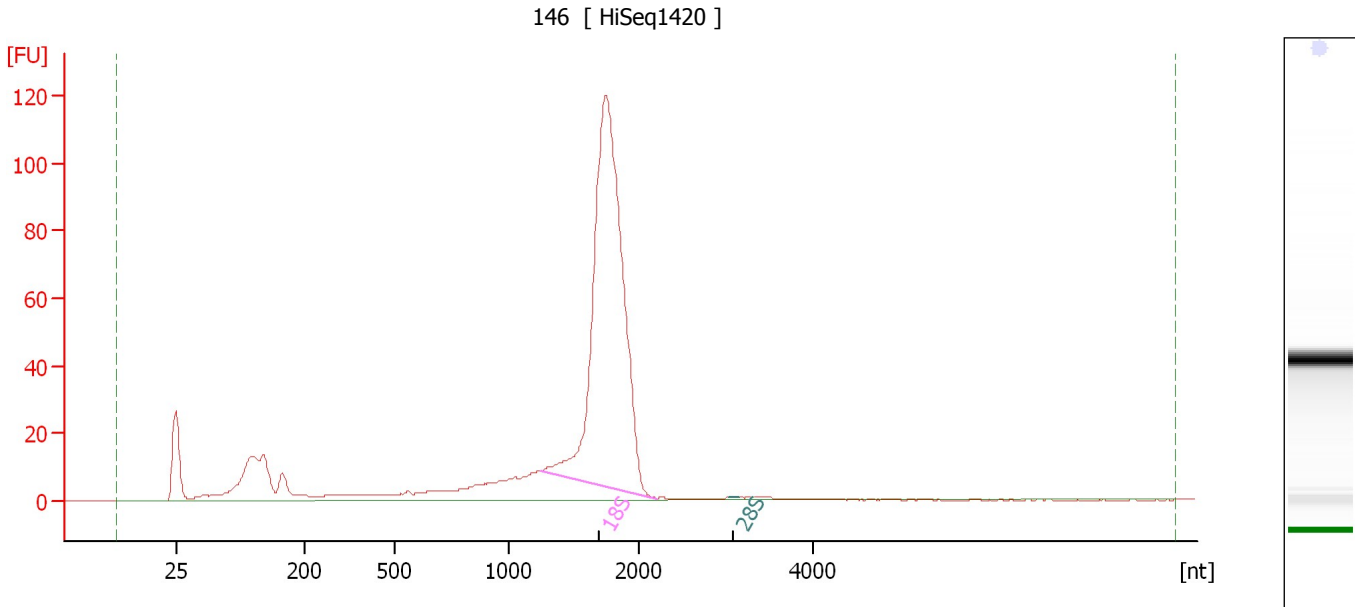
Fragment table for sample 9 : 145

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	786	2,147	482.9	63.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
 Modified: 6/12/2018 11:03:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 146

RNA Area:	710.8	RNA Integrity Number (RIN):	9.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,421 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 9.20

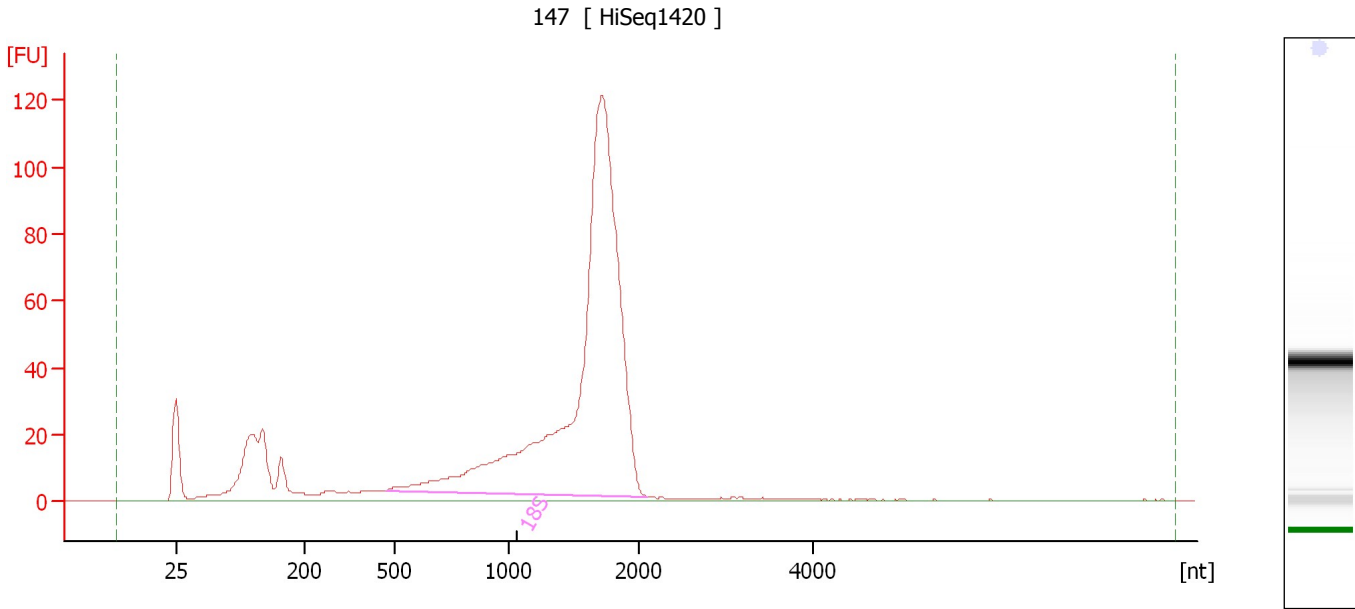
Fragment table for sample 10 : 146

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,243	2,208	430.1	60.5
28S	3,032	3,167	0.3	0.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
 Modified: 6/12/2018 11:03:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 147

RNA Area:	919.8	RNA Integrity Number (RIN):	10 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,839 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:10

Fragment table for sample 11 : 147

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	476	2,085	652.9	71.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...pert\data\2018-06-12\2018-06-12_001_HiSeq142-RNAQC_1of2.xad

Created: 6/12/2018 10:25:30 AM
Modified: 6/12/2018 11:03:29 AM

Gel Image

