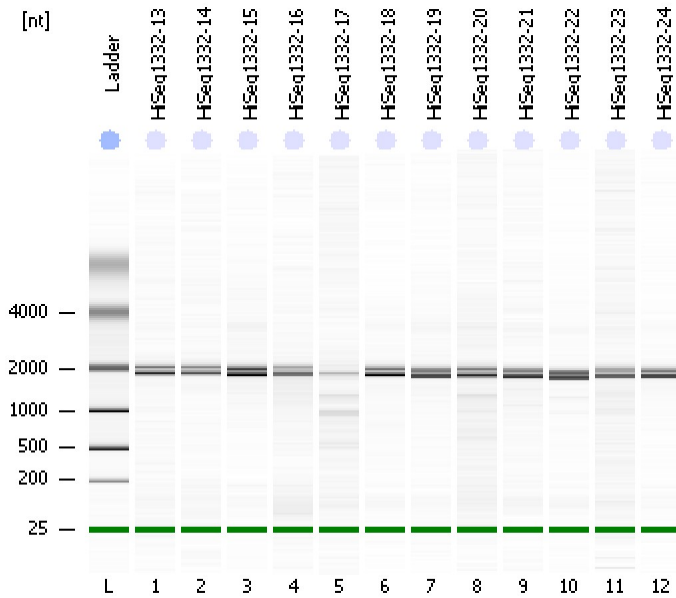


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electrophoresis File Run Summary



Instrument Information:

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

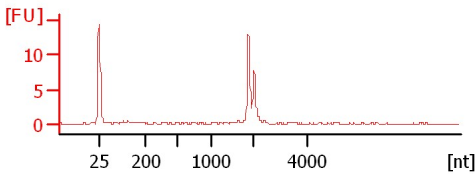
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

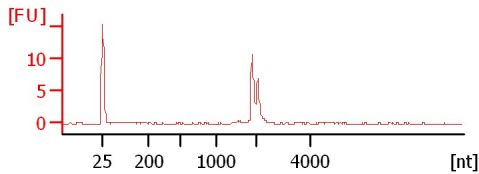
Chip Information:

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

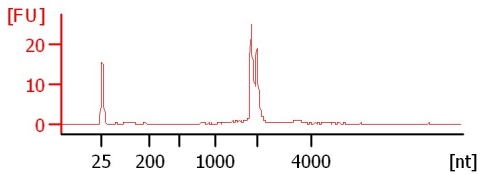
HiSeq1332-13
RIN: 7.80



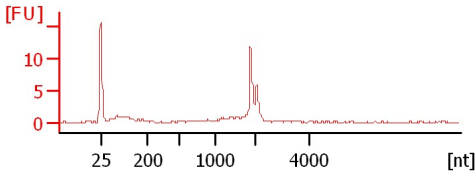
HiSeq1332-14
RIN: 7.50



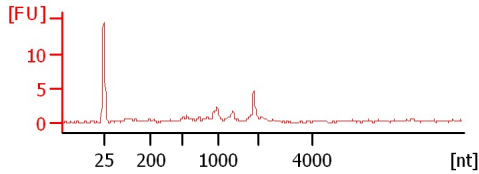
HiSeq1332-15
RIN: 7.60



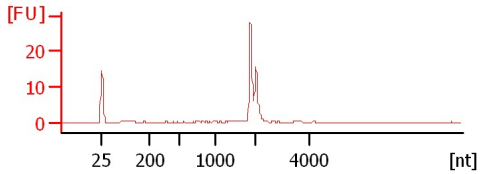
HiSeq1332-16
RIN: 6.70



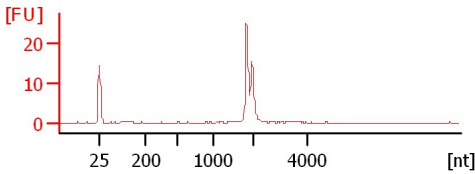
HiSeq1332-17
RIN: 7



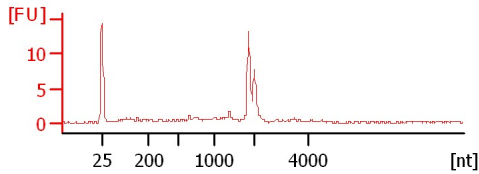
HiSeq1332-18
RIN: 7.70



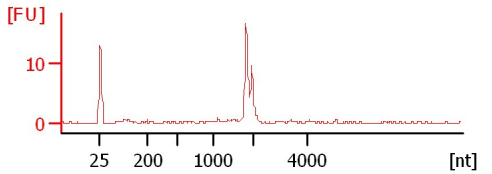
HiSeq1332-19
RIN: 7.90



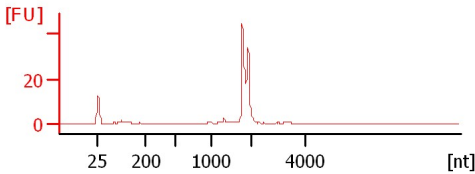
HiSeq1332-20
RIN: 6.50



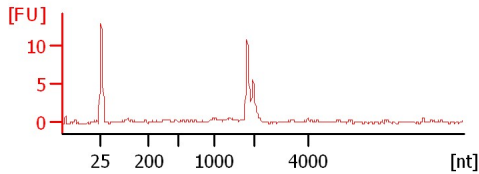
HiSeq1332-21
RIN: 7.40



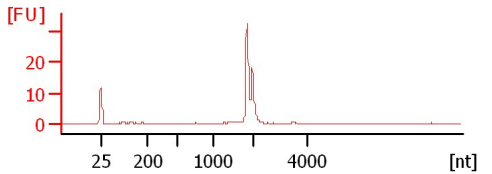
HiSeq1332-22
RIN: 7.60



HiSeq1332-23
RIN: 6.80



HiSeq1332-24
RIN: 7.90



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
 Modified: 5/10/2018 10:32:26 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HiSeq1332-13		✓	RIN: 7.80	
HiSeq1332-14		✓	RIN: 7.50	
HiSeq1332-15		✓	RIN: 7.60	
HiSeq1332-16		✓	RIN: 6.70	
HiSeq1332-17		✓	RIN:7	
HiSeq1332-18		✓	RIN: 7.70	
HiSeq1332-19		✓	RIN: 7.90	
HiSeq1332-20		✓	RIN: 6.50	
HiSeq1332-21		✓	RIN: 7.40	
HiSeq1332-22		✓	RIN: 7.60	
HiSeq1332-23		✓	RIN: 6.80	
HiSeq1332-24		✓	RIN: 7.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 19

End Analysis Time Range [s] : 69

Ladder Concentration [ng/ μ l] : 150

Lower Marker Concentration [ng/ μ l] : 0

Upper Marker Concentration [ng/ 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] : 19

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.5

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

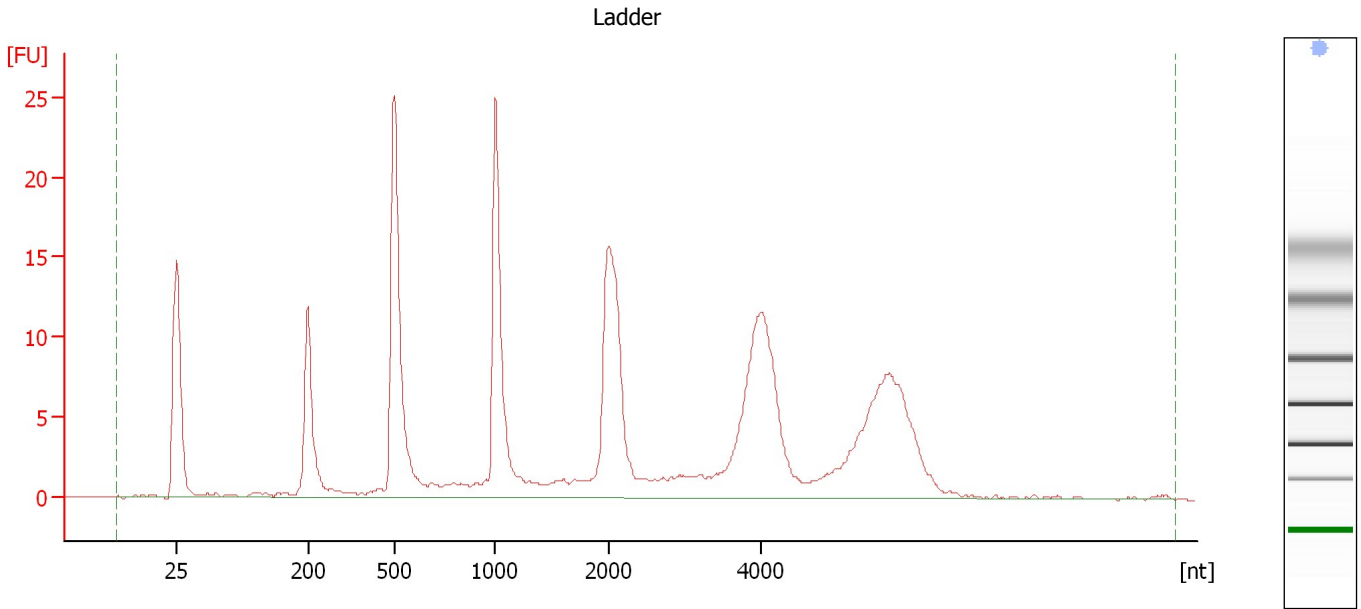
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary



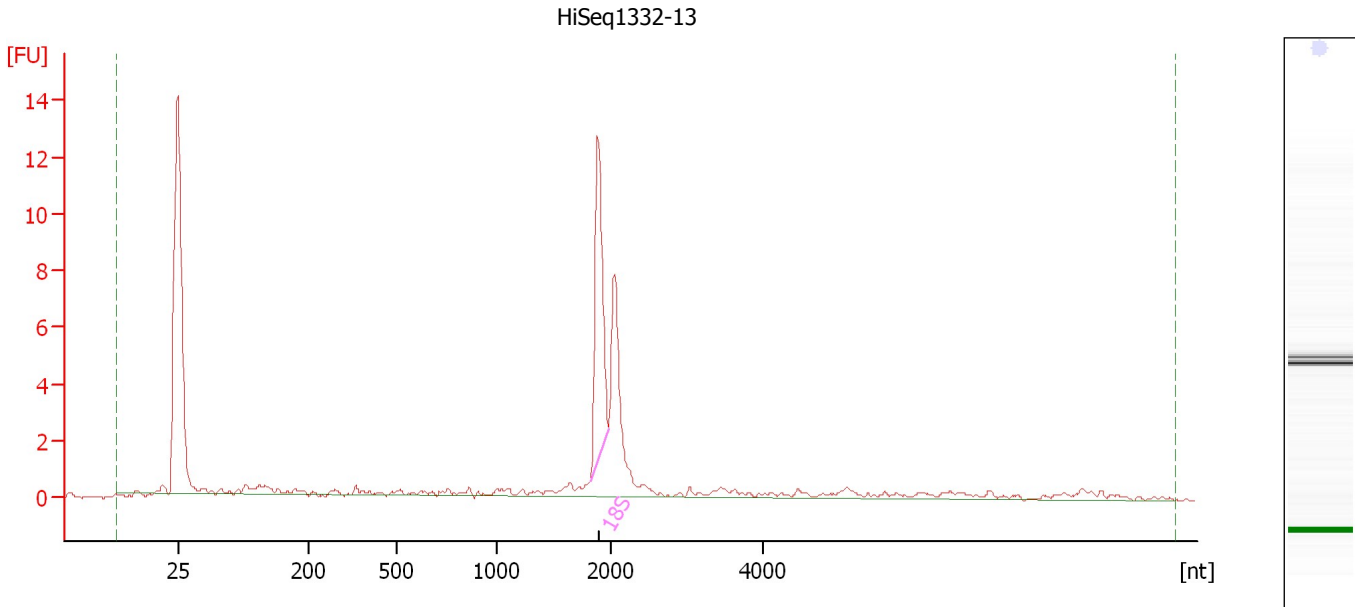
Overall Results for Ladder

RNA Area:	241.5	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : HiSeq1332-13

RNA Area:	38.3	RNA Integrity Number (RIN):	7.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	24 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.80

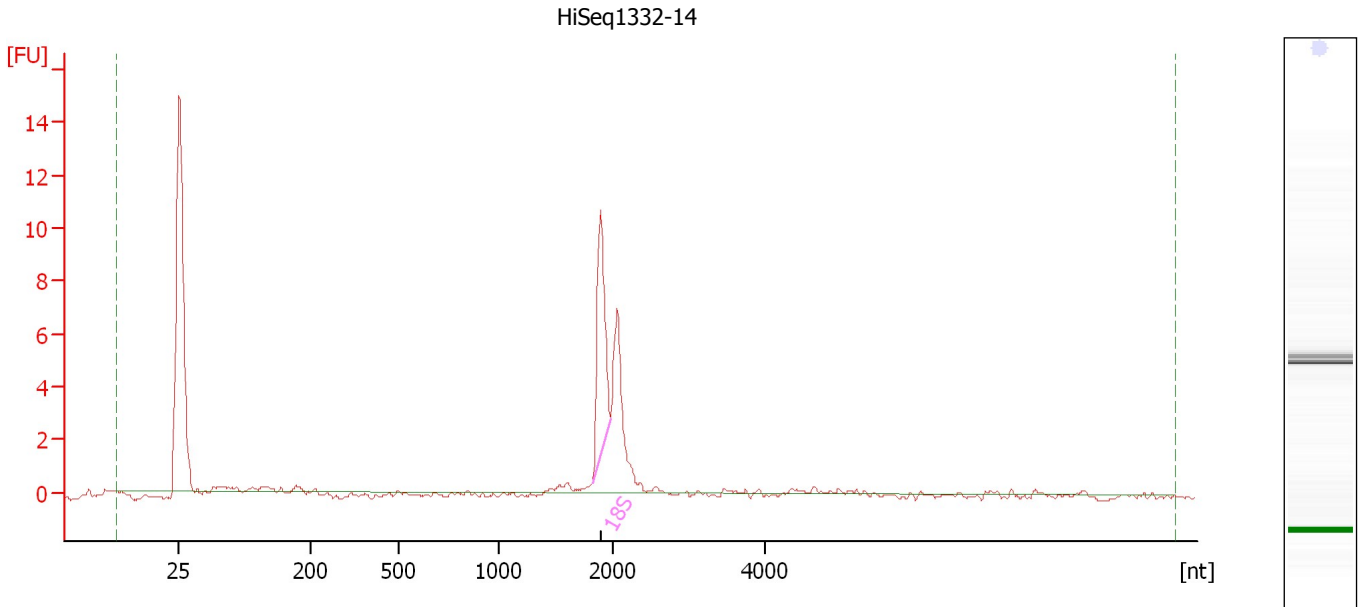
Fragment table for sample 1 : HiSeq1332-13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,822	1,982	10.1	26.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HiSeq1332-14

RNA Area:	23.7	RNA Integrity Number (RIN):	7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	15 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.50

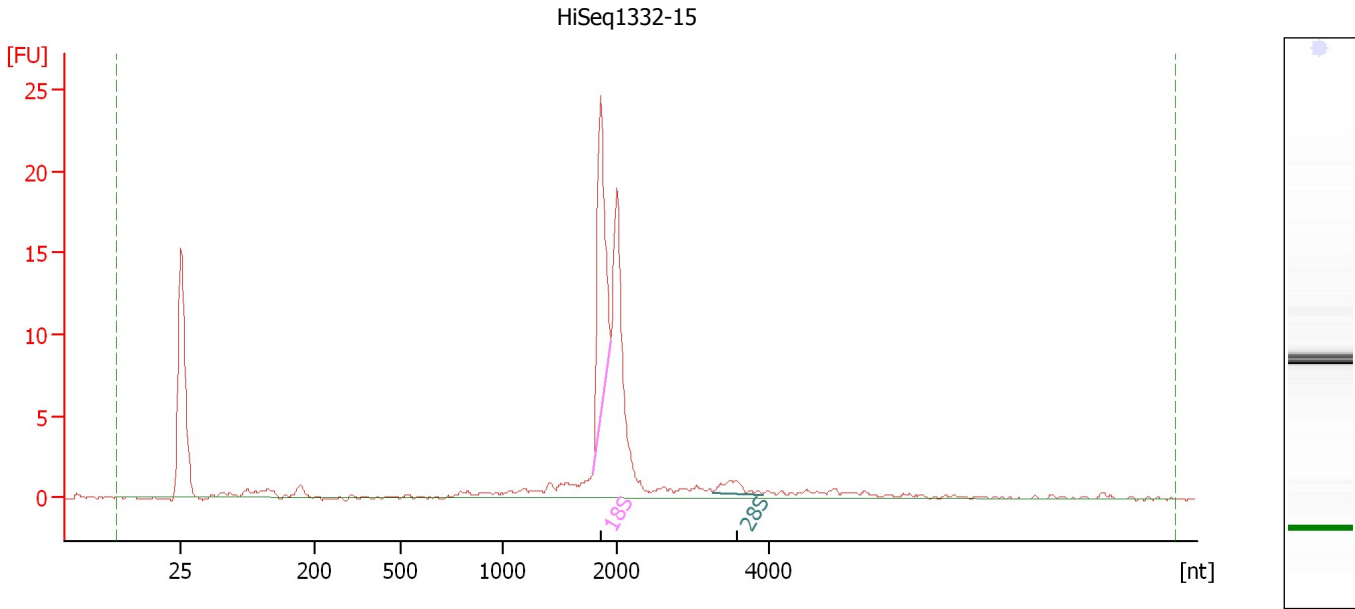
Fragment table for sample 2 : HiSeq1332-14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,823	1,982	8.4	35.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HiSeq1332-15

RNA Area: 78.7 RNA Integrity Number (RIN): 7.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 49 ng/μl
rRNA Ratio [28s / 18s]: 0.1
Result Flagging Color:
Result Flagging Label: RIN: 7.60

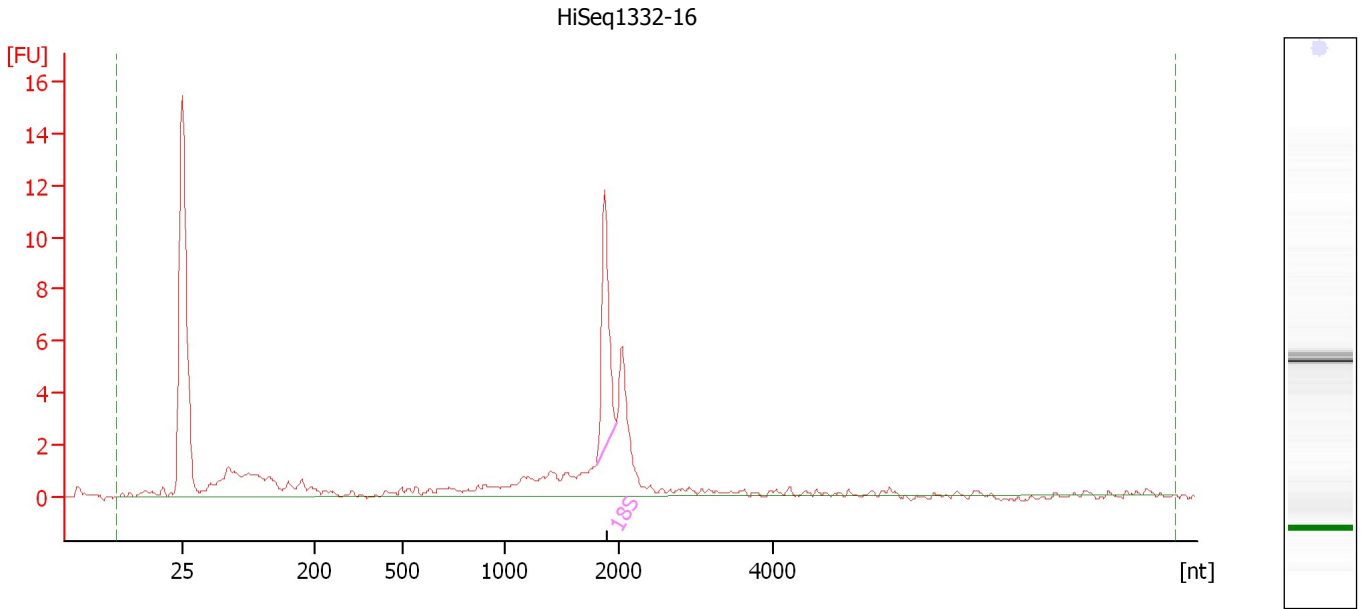
Fragment table for sample 3 : HiSeq1332-15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,797	1,956	18.3	23.3
28S	3,247	3,903	1.8	2.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HiSeq1332-16

RNA Area:	52.4	RNA Integrity Number (RIN):	6.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	33 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.70

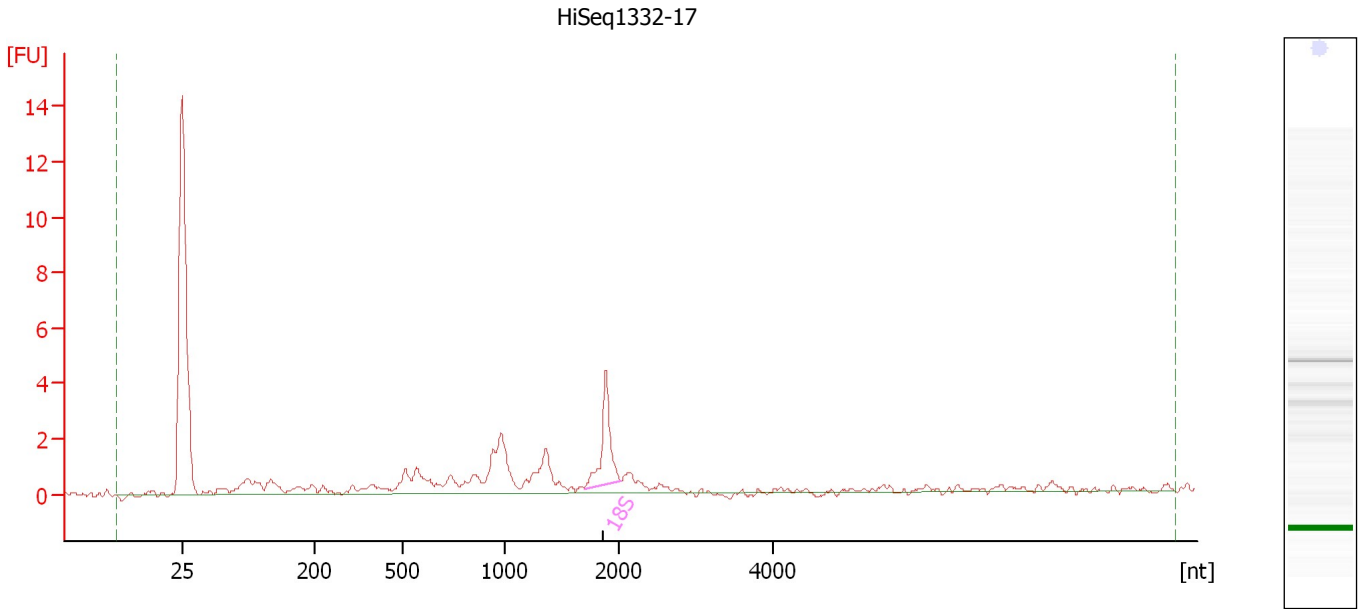
Fragment table for sample 4 : HiSeq1332-16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,808	1,976	9.1	17.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HiSeq1332-17

RNA Area:	30.8	RNA Integrity Number (RIN):	7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	19 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN:7

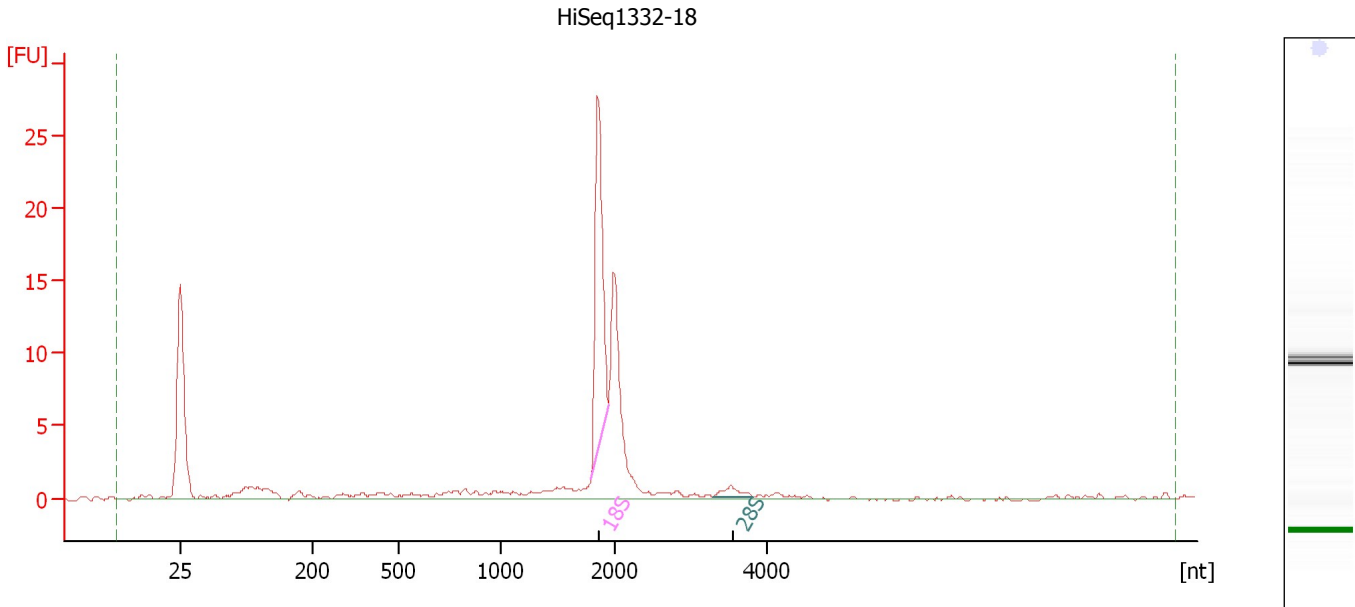
Fragment table for sample 5 : HiSeq1332-17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	2,034	4.4	14.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HiSeq1332-18

RNA Area:	79.3	RNA Integrity Number (RIN):	7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	49 ng/μl		
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.70

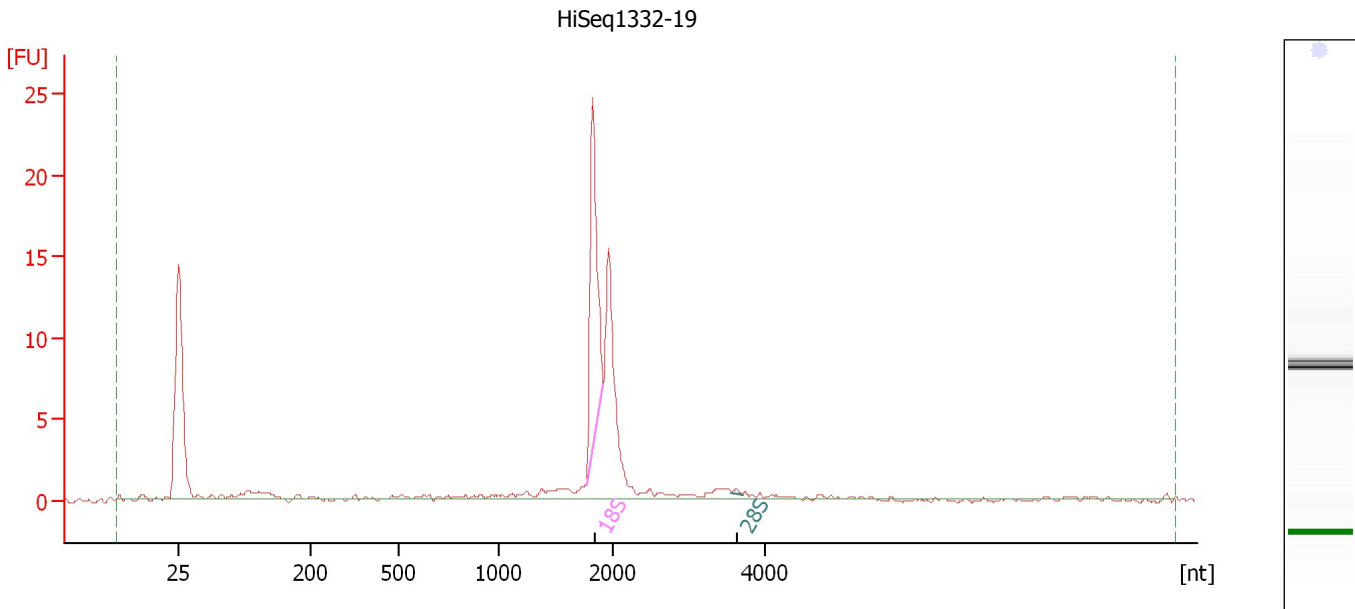
Fragment table for sample 6 : HiSeq1332-18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,796	1,946	21.3	26.9
28S	3,277	3,822	1.5	1.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : HiSeq1332-19

RNA Area: 64.9 RNA Integrity Number (RIN): 7.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 40 ng/μl
rRNA Ratio [28s / 18s]: 0.0
Result Flagging Color:
Result Flagging Label: RIN: 7.90

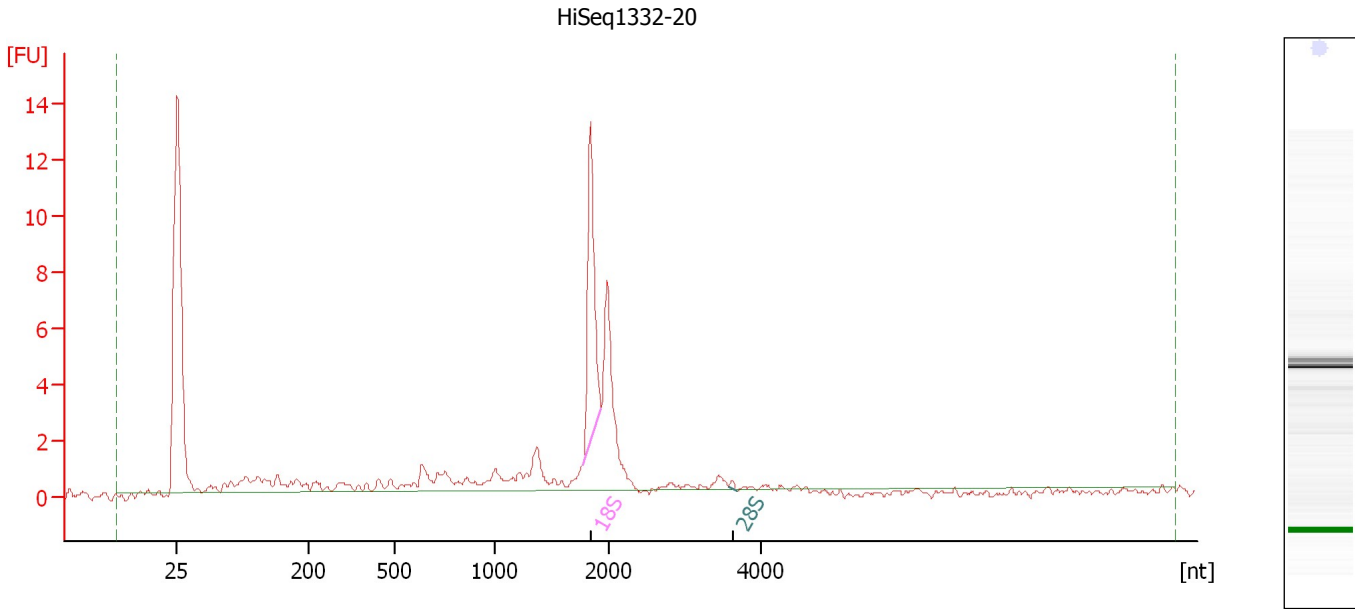
Fragment table for sample 7 : HiSeq1332-19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,766	1,917	18.8	28.9
28S	3,559	3,699	0.2	0.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
 Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : HiSeq1332-20

RNA Area:	46.6	RNA Integrity Number (RIN):	6.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	29 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.50

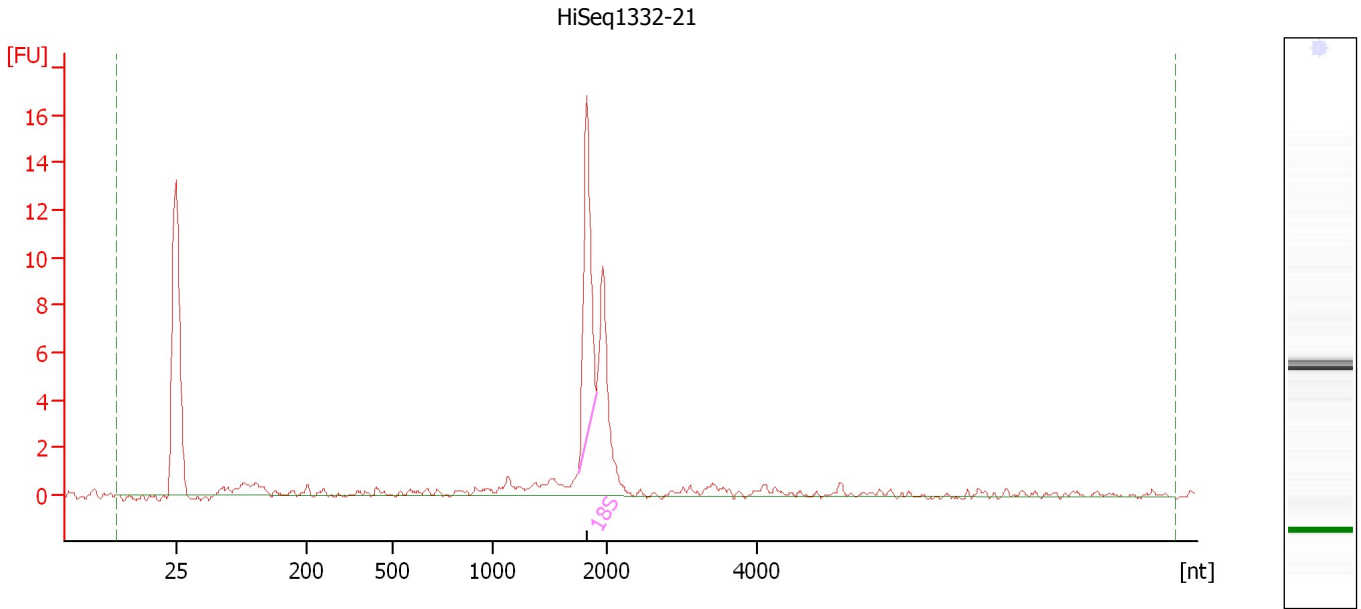
Fragment table for sample 8 : HiSeq1332-20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,773	1,933	9.9	21.2
28S	3,577	3,704	0.1	0.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : HiSeq1332-21

RNA Area:	45.5	RNA Integrity Number (RIN):	7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	28 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.40

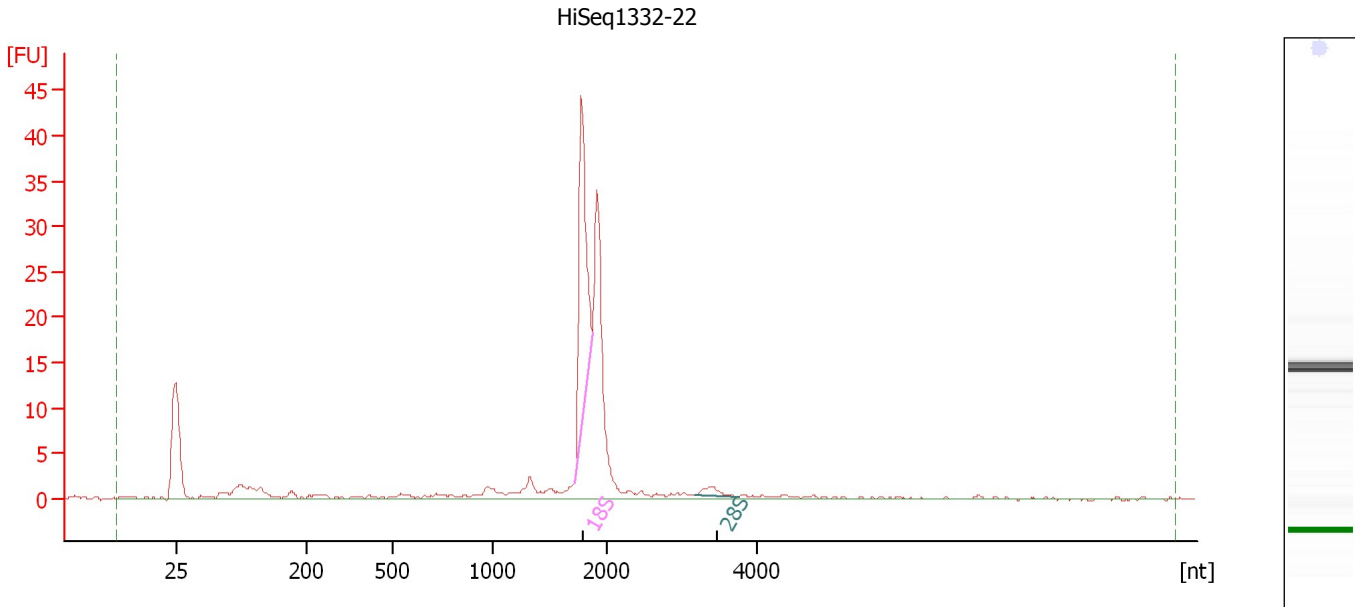
Fragment table for sample 9 : HiSeq1332-21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,753	1,914	12.8	28.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : HiSeq1332-22

RNA Area: 124.5 RNA Integrity Number (RIN): 7.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 77 ng/μl
rRNA Ratio [28s / 18s]: 0.1
Result Flagging Color:
Result Flagging Label: RIN: 7.60

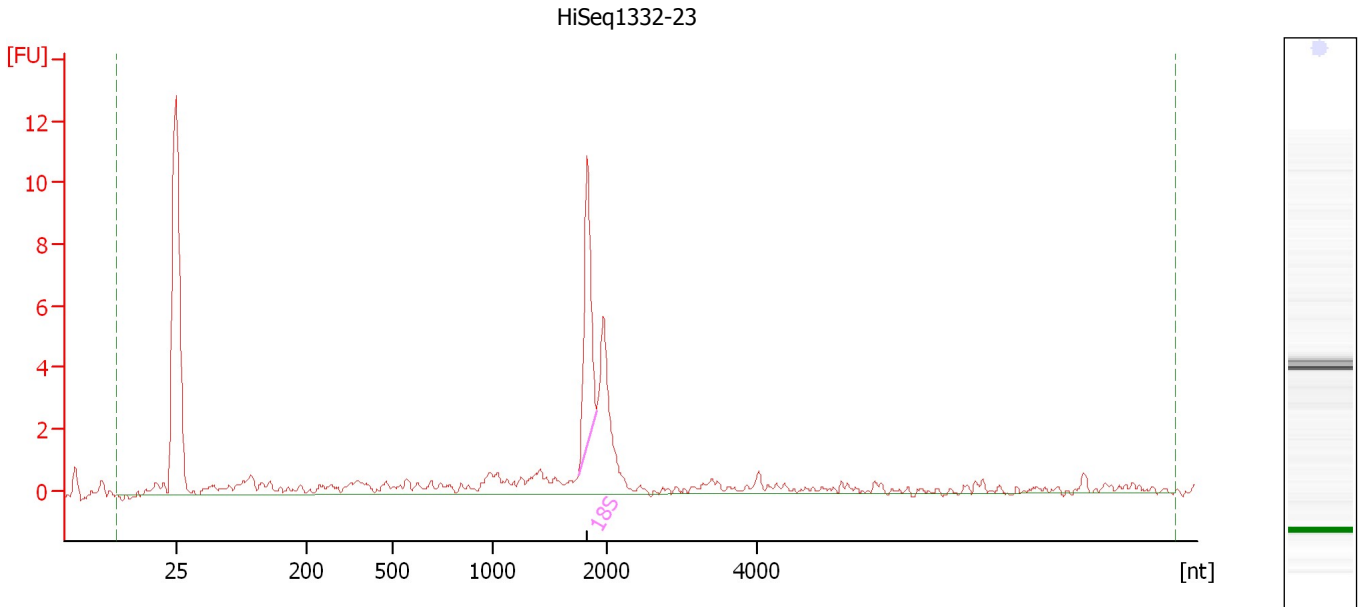
Fragment table for sample 10 : HiSeq1332-22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,724	1,876	30.7	24.6
28S	3,156	3,749	2.0	1.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : HiSeq1332-23

RNA Area:	46.7	RNA Integrity Number (RIN):	6.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	29 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.80

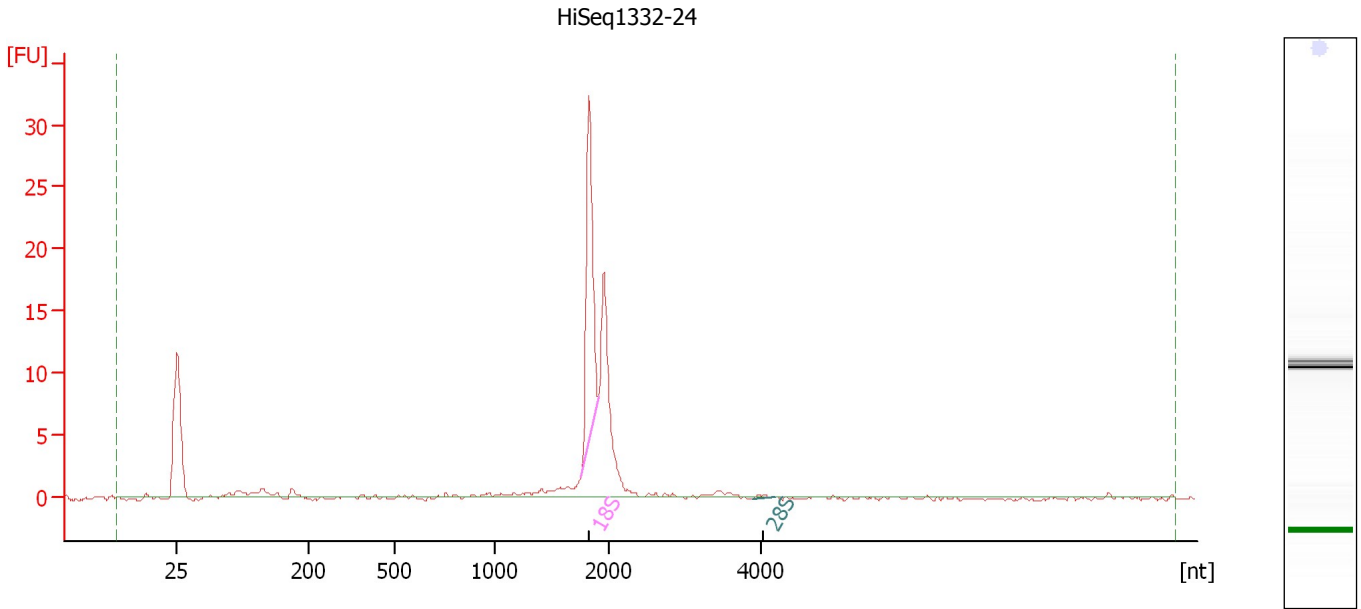
Fragment table for sample 11 : HiSeq1332-23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,753	1,914	8.2	17.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : HiSeq1332-24

RNA Area:	68.6	RNA Integrity Number (RIN):	7.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	43 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.90

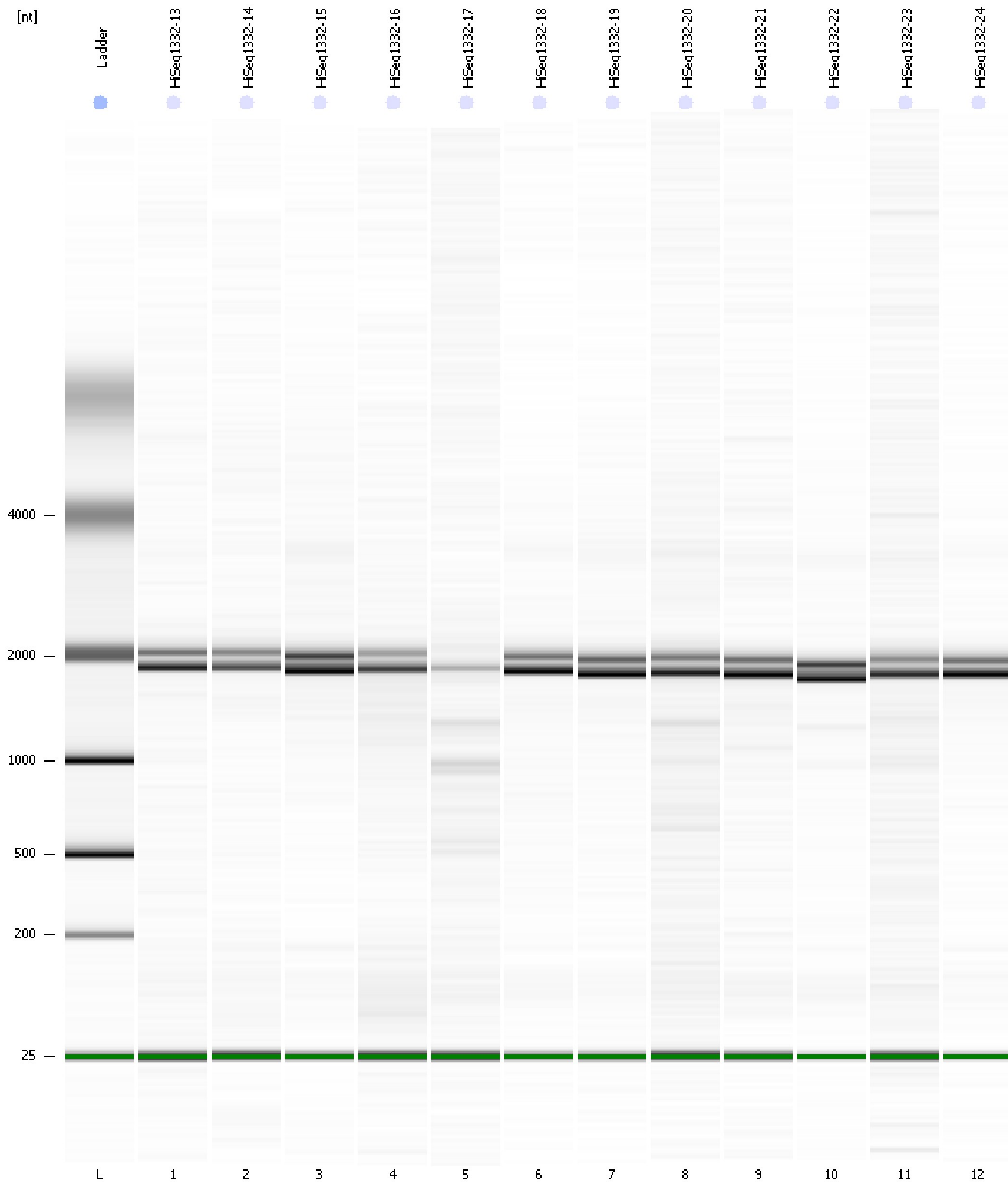
Fragment table for sample 12 : HiSeq1332-24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,764	1,915	24.0	34.9
28S	3,901	4,197	0.4	0.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-10\2018-05-10_001.xad

Created: 5/10/2018 9:57:13 AM
Modified: 5/10/2018 10:32:26 AM

Curves

Standard Curve

