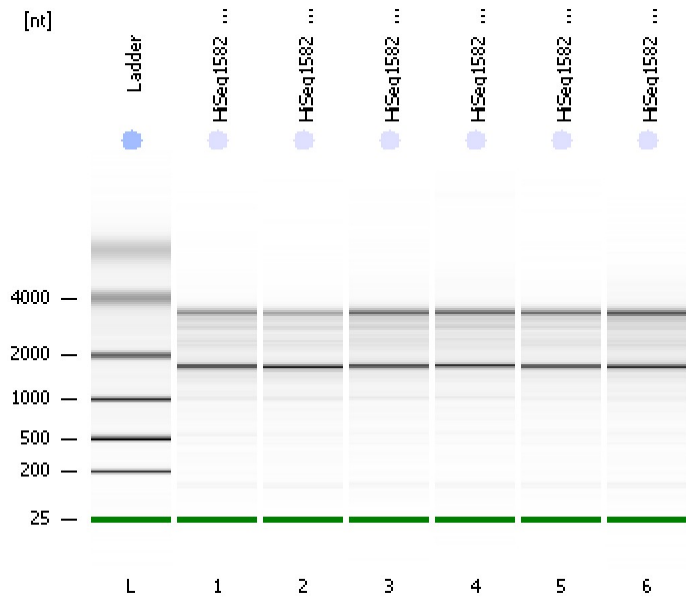


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2018-11-07\2018-11-07_001_HiSeq1582-Liv_13-18_DNaseRNA.xad

Created: 11/7/2018 3:04:41 PM
Modified: 11/7/2018 4:49:10 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\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)

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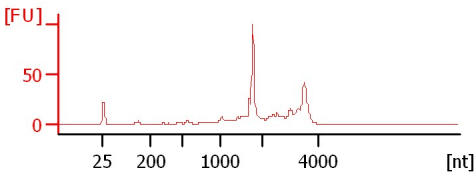
Chip Information:

Chip Lot #:

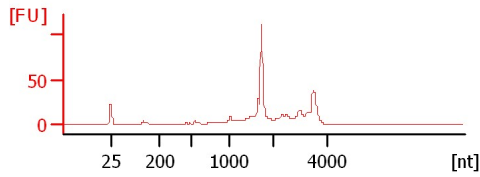
Reagent Kit Lot #:

Chip Comments:

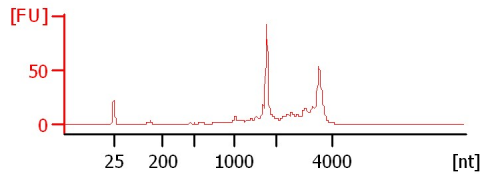
HiSeq1582_Liv_13
RIN: 7.80



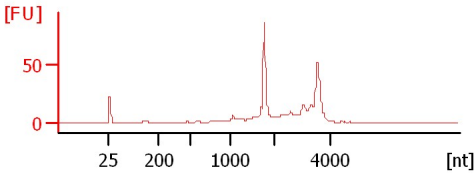
HiSeq1582_Liv_14
RIN: 8.20



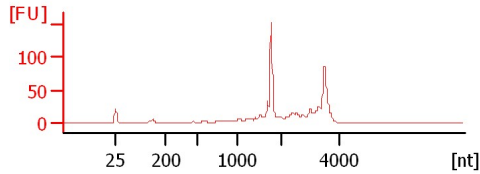
HiSeq1582_Liv_15
RIN: 8



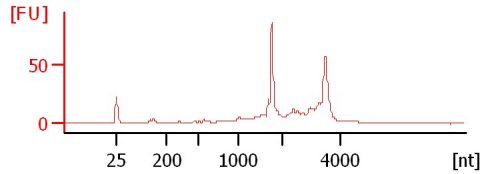
HiSeq1582_Liv_16
RIN: 8.40



HiSeq1582_Liv_17
RIN: 7.90



HiSeq1582_Liv_18
RIN: 8.10



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2018-11-07\2018-11-07_001_HiSeq1582-Liv_13-18_DNaseRNA.xad

Created: 11/7/2018 3:04:41 PM
 Modified: 11/7/2018 4:49:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HiSeq1582_Liv_13		✓	RIN: 7.80	
HiSeq1582_Liv_14		✓	RIN: 8.20	
HiSeq1582_Liv_15		✓	RIN:8	
HiSeq1582_Liv_16		✓	RIN: 8.40	
HiSeq1582_Liv_17		✓	RIN: 7.90	
HiSeq1582_Liv_18		✓	RIN: 8.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2018-11-07\2018-11-07_001_HiSeq1582-Liv_13-18_DNaseRNA.xad

Created: 11/7/2018 3:04:41 PM
Modified: 11/7/2018 4:49:10 PM

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/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 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

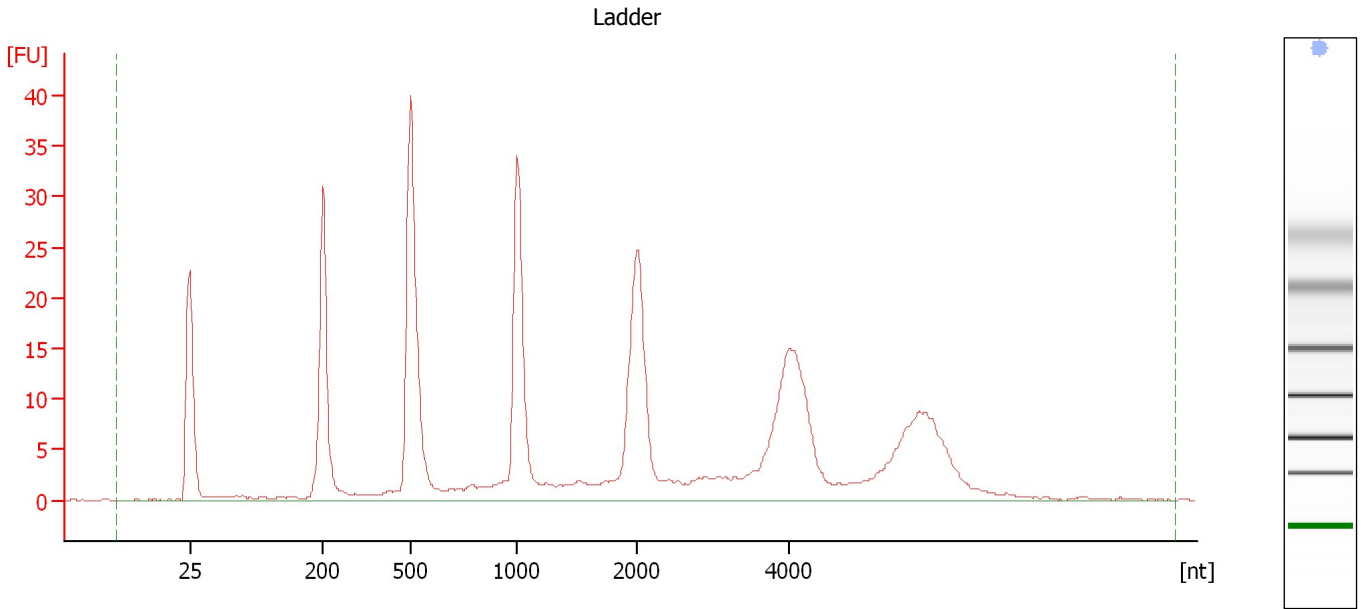
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2018-11-07\2018-11-07_001_HiSeq1582-Liv_13-18_DNaseRNA.xad

Created: 11/7/2018 3:04:41 PM
Modified: 11/7/2018 4:49:10 PM

Electropherogram Summary



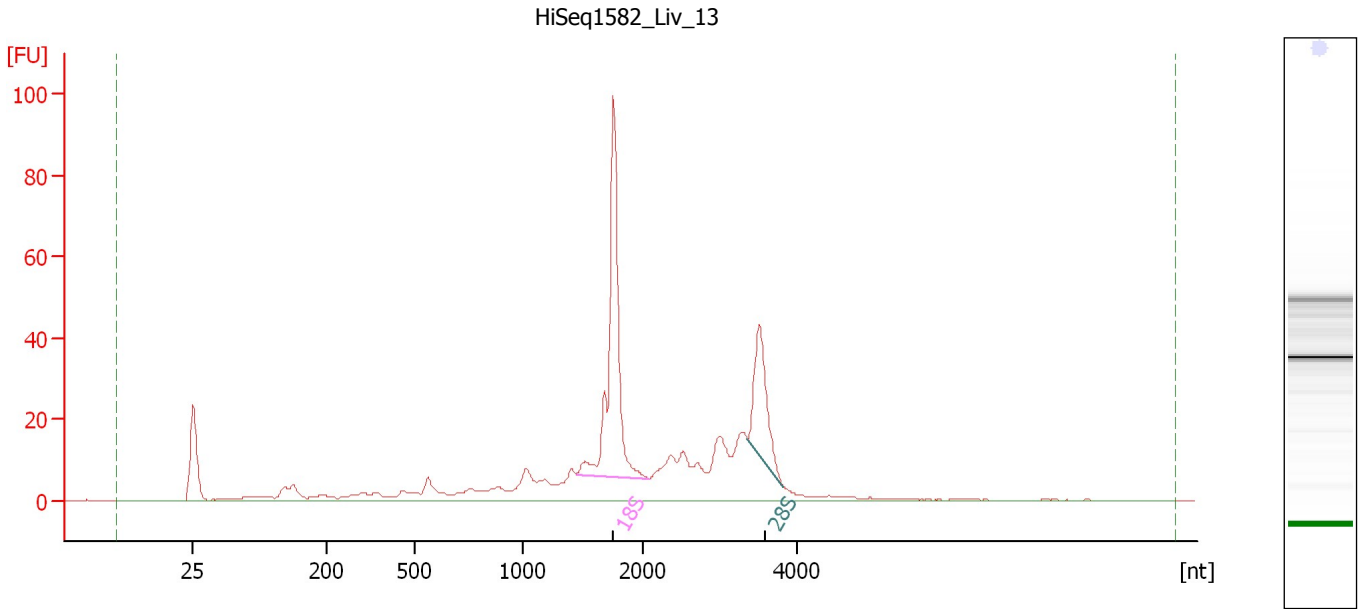
Overall Results for Ladder

RNA Area:	370.6	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2018-11-07\2018-11-07_001_HiSeq1582-Liv_13-18_DNaseRNA.xad

Created: 11/7/2018 3:04:41 PM
 Modified: 11/7/2018 4:49:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : HiSeq1582 Liv 13

RNA Area:	451.0	RNA Integrity Number (RIN):	7.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	183 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 7.80

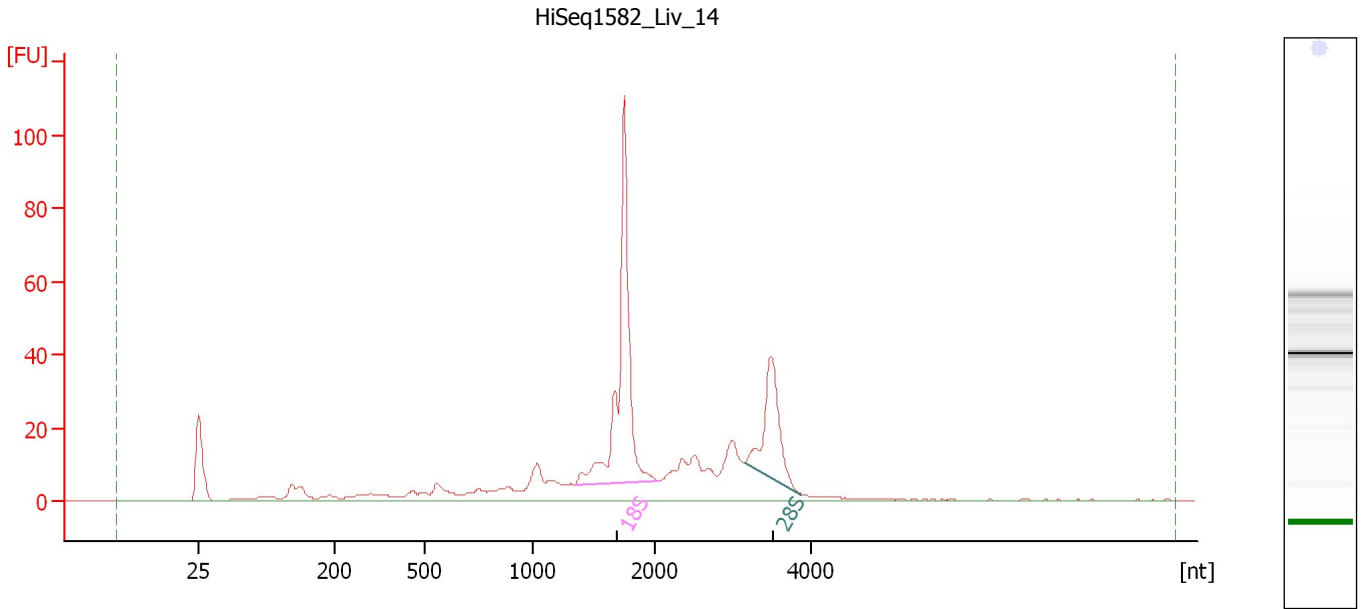
Fragment table for sample 1 : HiSeq1582 Liv 13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,443	2,059	105.8	23.5
28S	3,360	3,836	41.8	9.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2018-11-07\2018-11-07_001_HiSeq1582-Liv_13-18_DNaseRNA.xad

Created: 11/7/2018 3:04:41 PM
 Modified: 11/7/2018 4:49:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HiSeq1582 Liv 14

RNA Area:	457.1	RNA Integrity Number (RIN):	8.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	185 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 8.20

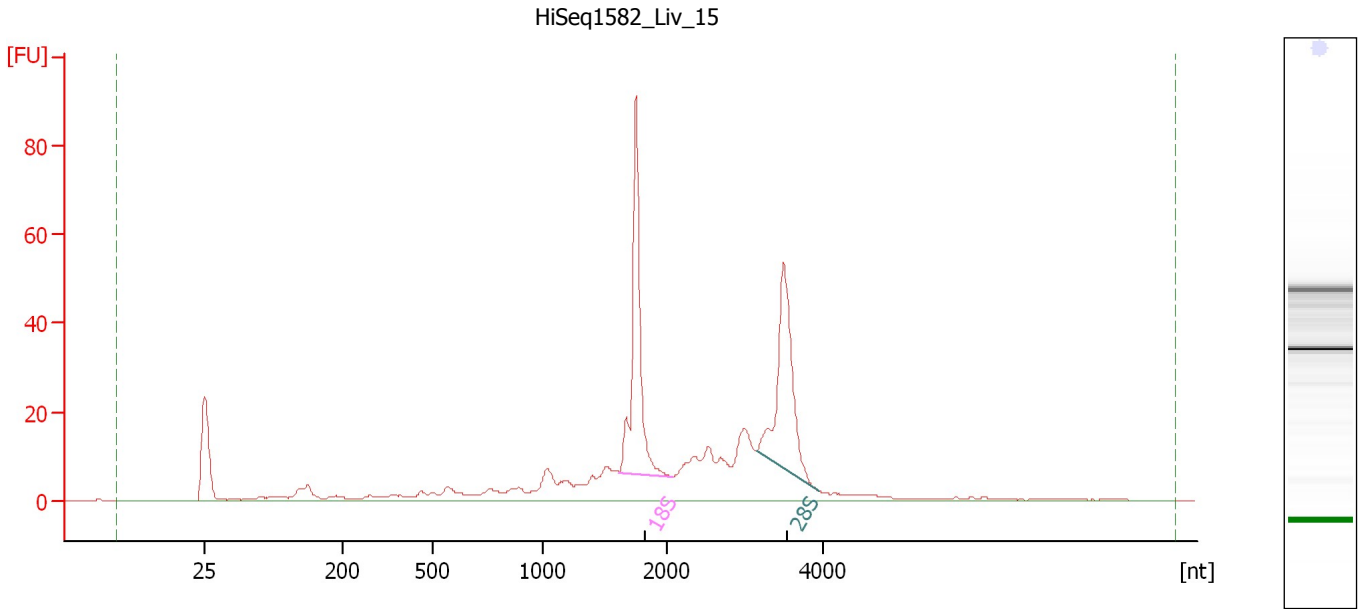
Fragment table for sample 2 : HiSeq1582 Liv 14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,332	2,038	128.3	28.1
28S	3,143	3,889	52.9	11.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2018-11-07\2018-11-07_001_HiSeq1582-Liv_13-18_DNaseRNA.xad

Created: 11/7/2018 3:04:41 PM
 Modified: 11/7/2018 4:49:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HiSeq1582 Liv 15

RNA Area: 437.7 RNA Integrity Number (RIN): 8 (B.02.08)
 RNA Concentration: 177 ng/μl Result Flagging Color:
 rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN:8

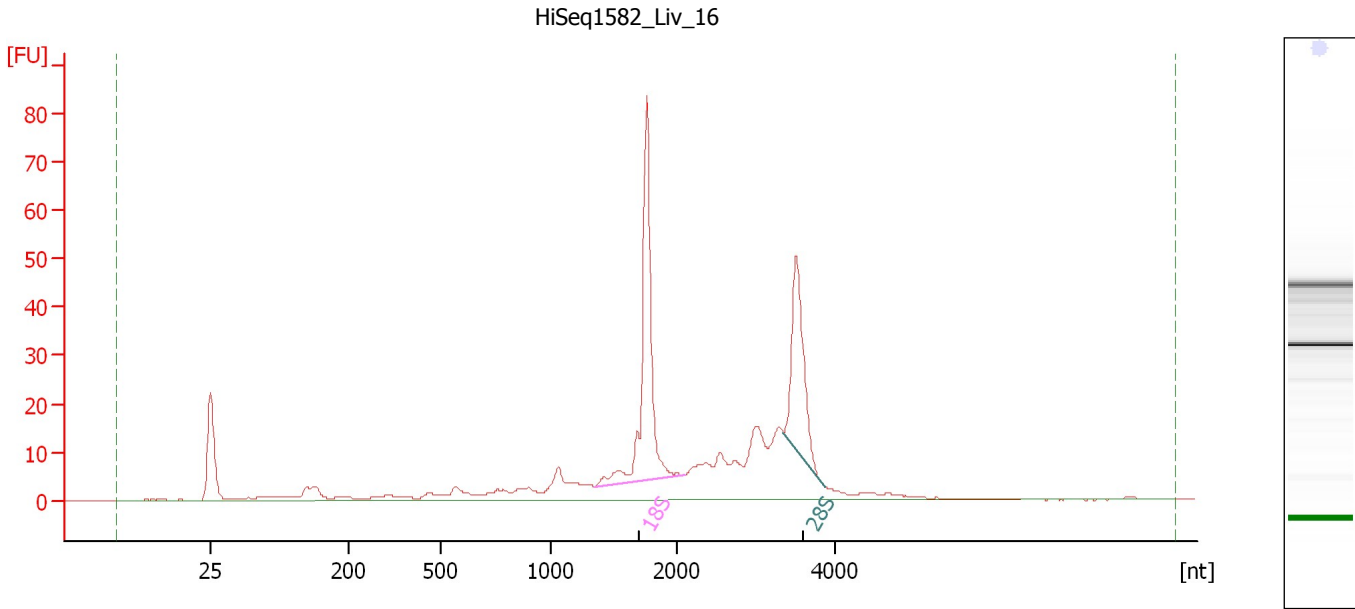
Fragment table for sample 3 : HiSeq1582 Liv 15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,620	2,084	83.3	19.0
28S	3,150	3,956	73.5	16.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2018-11-07\2018-11-07_001_HiSeq1582-Liv_13-18_DNaseRNA.xad

Created: 11/7/2018 3:04:41 PM
Modified: 11/7/2018 4:49:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HiSeq1582 Liv 16

RNA Area: 373.7 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 151 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 8.40

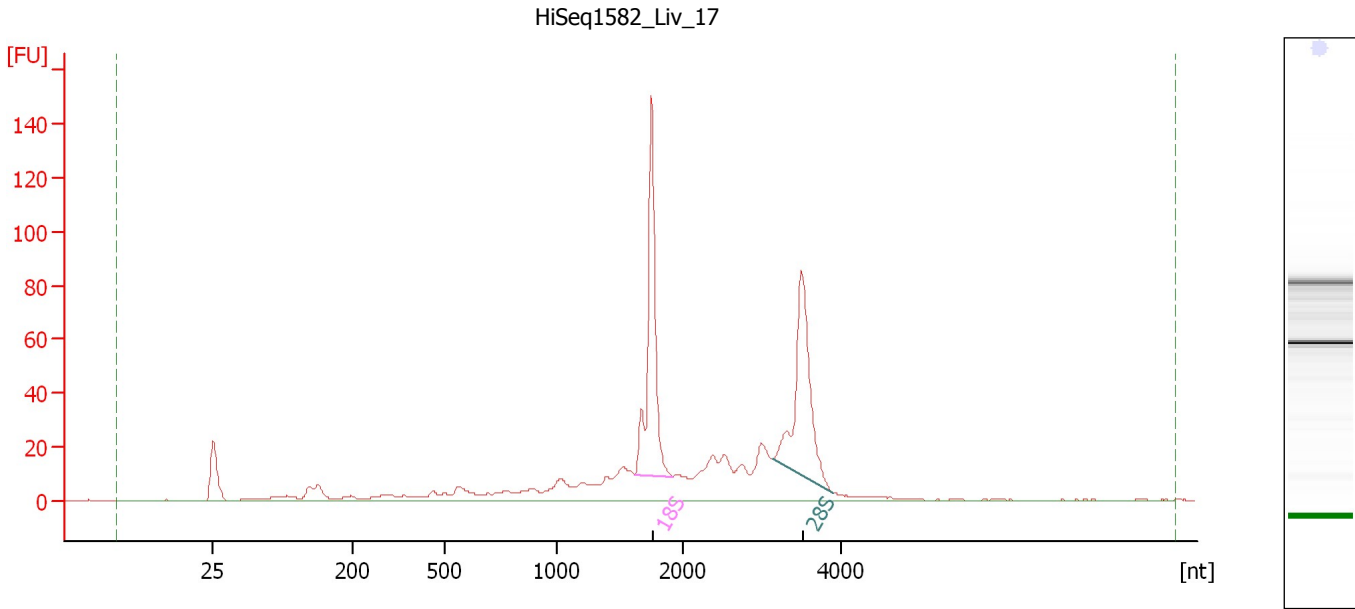
Fragment table for sample 4 : HiSeq1582 Liv 16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,353	2,103	82.9	22.2
28S	3,360	3,874	50.2	13.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2018-11-07\2018-11-07_001_HiSeq1582-Liv_13-18_DNaseRNA.xad

Created: 11/7/2018 3:04:41 PM
 Modified: 11/7/2018 4:49:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HiSeq1582 Liv 17

RNA Area:	630.3	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	255 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.90

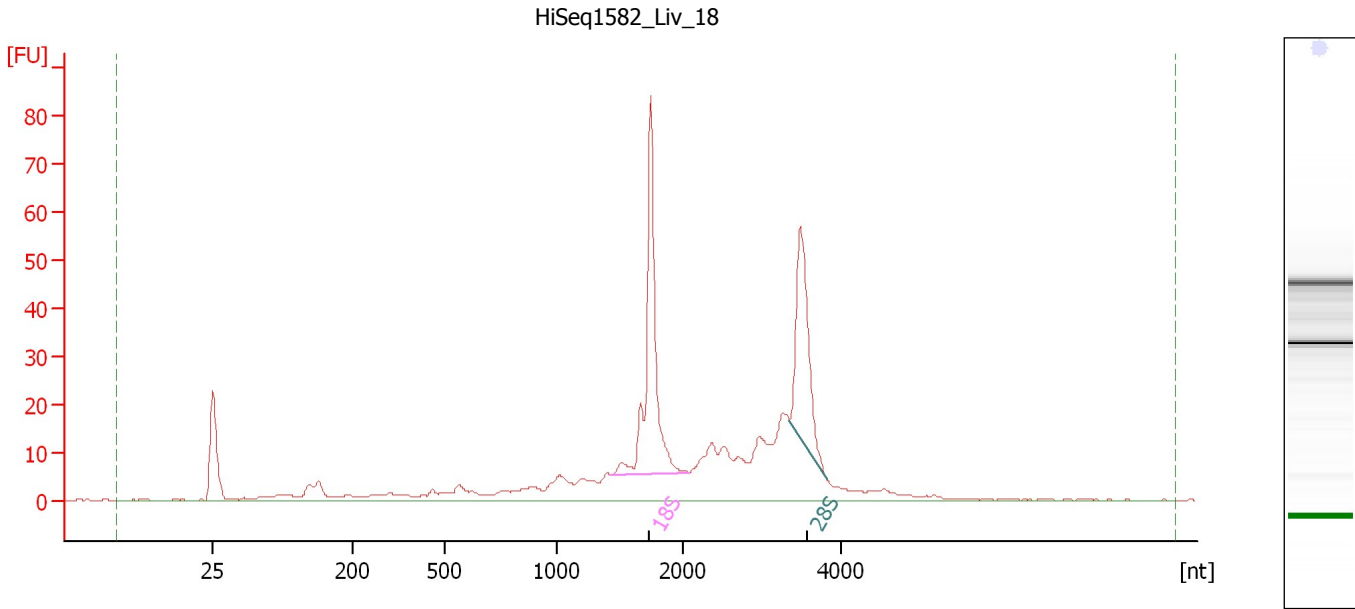
Fragment table for sample 5 : HiSeq1582 Liv 17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,615	1,922	130.0	20.6
28S	3,140	3,906	114.7	18.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\2018-11-07\2018-11-07_001_HiSeq1582-Liv_13-18_DNaseRNA.xad

Created: 11/7/2018 3:04:41 PM
 Modified: 11/7/2018 4:49:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HiSeq1582 Liv 18

RNA Area:	452.9	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	183 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 8.10

Fragment table for sample 6 : HiSeq1582 Liv 18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,436	2,092	87.8	19.4
28S	3,342	3,812	56.0	12.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\2018-11-07\2018-11-07_001_HiSeq1582-Liv_13-18_DNaseRNA.xad

Created: 11/7/2018 3:04:41 PM
Modified: 11/7/2018 4:49:10 PM

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