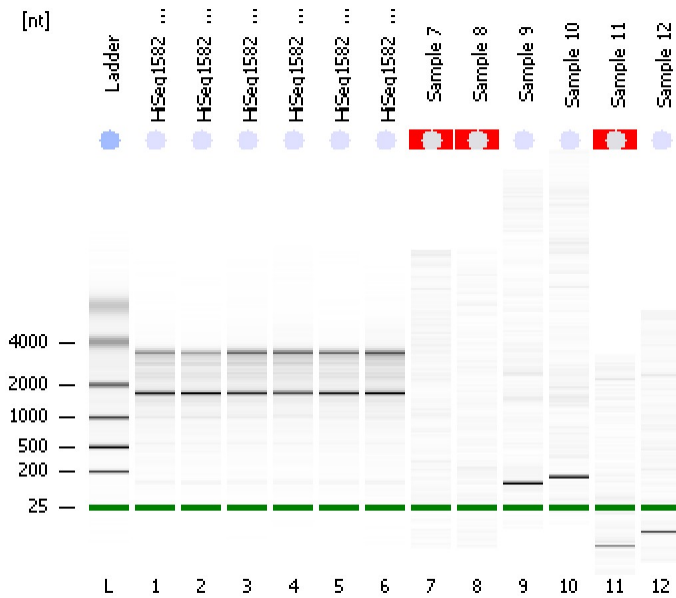


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-07\2018-11-07\_001.xad

Created: 11/7/2018 3:04:41 PM  
Modified: 11/7/2018 3:32:49 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:

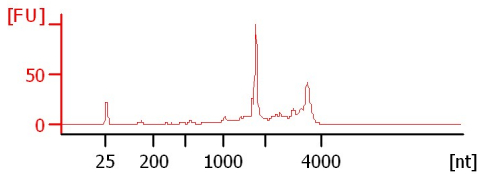
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

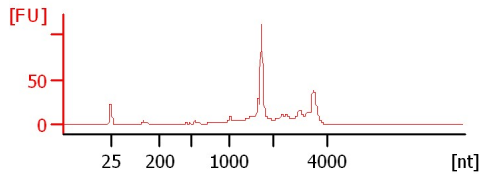
HiSeq1582\_Liv\_13

RIN: 7.80



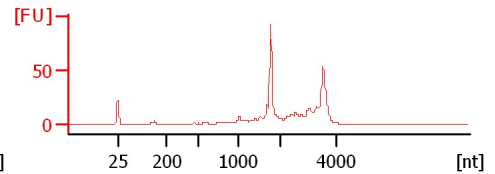
HiSeq1582\_Liv\_14

RIN: 8.20



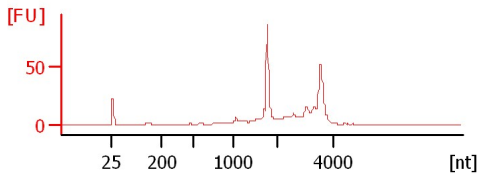
HiSeq1582\_Liv\_15

RIN: 8



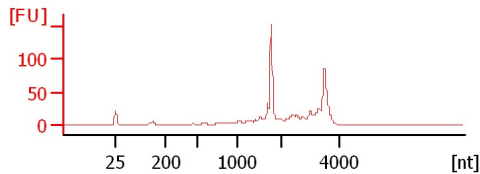
HiSeq1582\_Liv\_16

RIN: 8.40



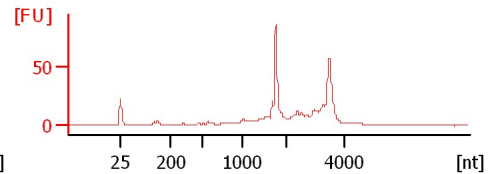
HiSeq1582\_Liv\_17

RIN: 7.90



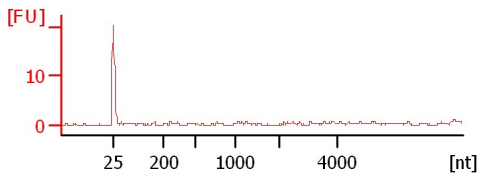
HiSeq1582\_Liv\_18

RIN: 8.10



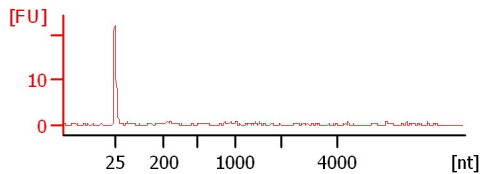
Sample 7

RIN N/A



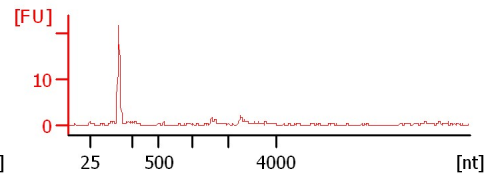
Sample 8

RIN N/A



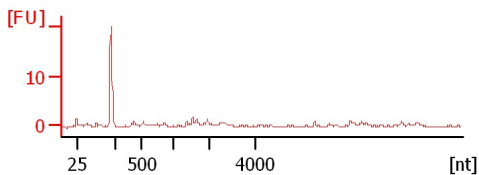
Sample 9

RIN: 2.60



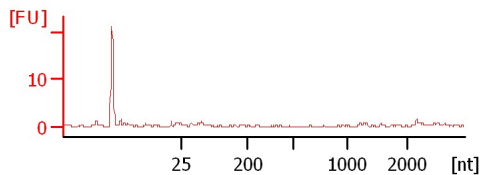
Sample 10

RIN: 2



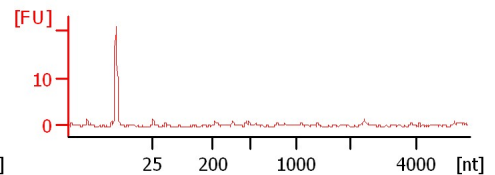
Sample 11

RIN N/A



Sample 12

RIN: 5.30



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-07\2018-11-07\_001.xad

Created: 11/7/2018 3:04:41 PM  
Modified: 11/7/2018 3:32:49 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	
Sample 7		✓	RIN N/A	
Sample 8		✓	RIN N/A	
Sample 9		✓	RIN: 2.60	
Sample 10		✓	RIN:2	
Sample 11		✓	RIN N/A	
Sample 12		✓	RIN: 5.30	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-07\2018-11-07\_001.xad

Created: 11/7/2018 3:04:41 PM  
Modified: 11/7/2018 3:32:49 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

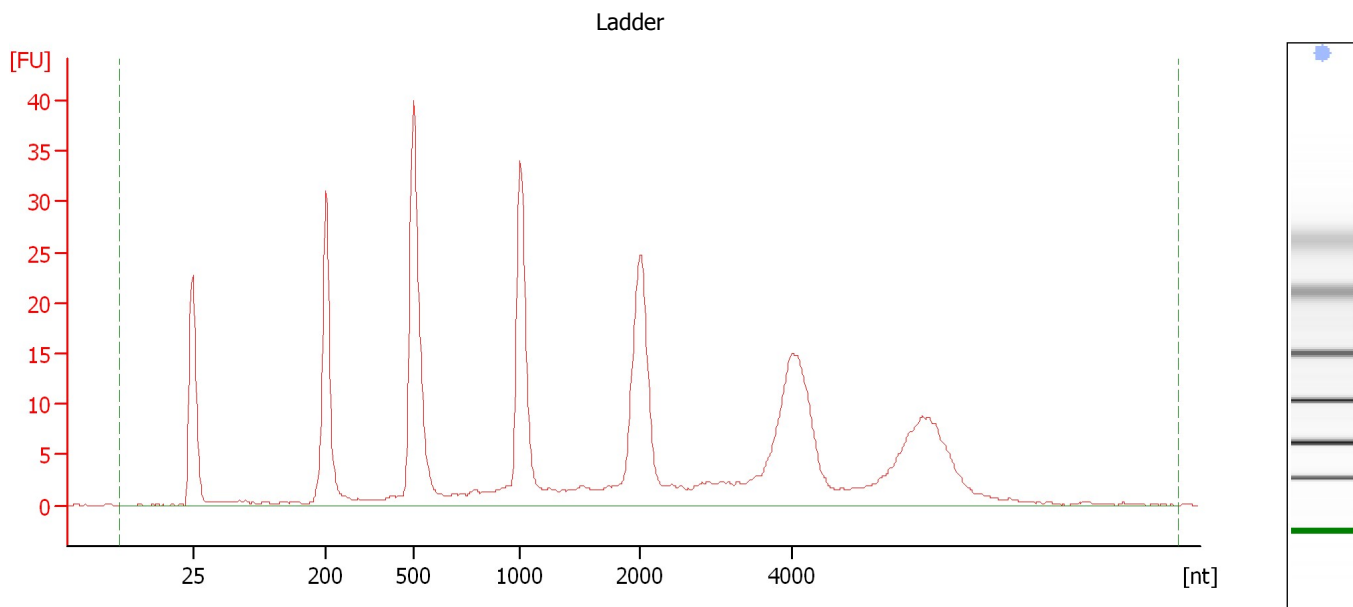
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-07\2018-11-07\_001.xad

Created: 11/7/2018 3:04:41 PM  
Modified: 11/7/2018 3:32:49 PM

**Electropherogram Summary**



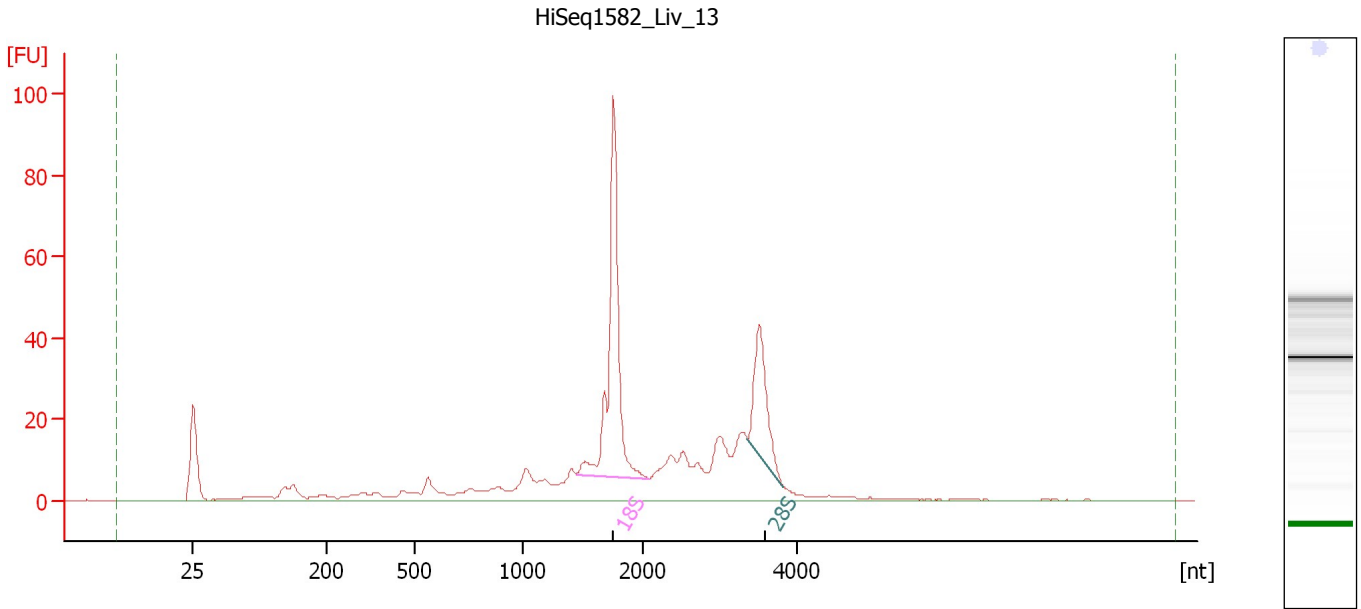
**Overall Results for Ladder**

RNA Area:	370.6	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-07\2018-11-07\_001.xad

Created: 11/7/2018 3:04:41 PM  
Modified: 11/7/2018 3:32:49 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  
rRNA Ratio [28s / 18s]: 0.4  
Result Flagging Color:   
Result Flagging Label: RIN: 7.80

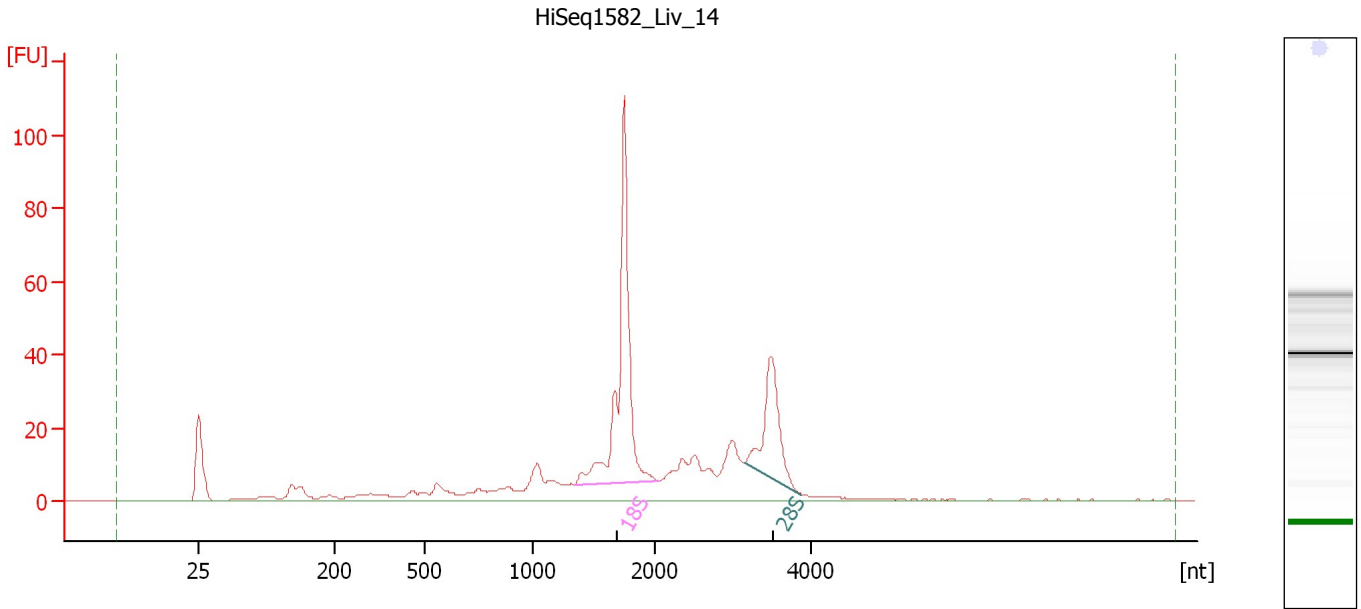
**Fragment table for sample 1 : HiSeq1582 Liv 13**

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:\... bioanalyzer\2100 expert\data\2018-11-07\2018-11-07\_001.xad

Created: 11/7/2018 3:04:41 PM  
Modified: 11/7/2018 3:32:49 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  
rRNA Ratio [28s / 18s]: 0.4  
Result Flagging Color:   
Result Flagging Label: RIN: 8.20

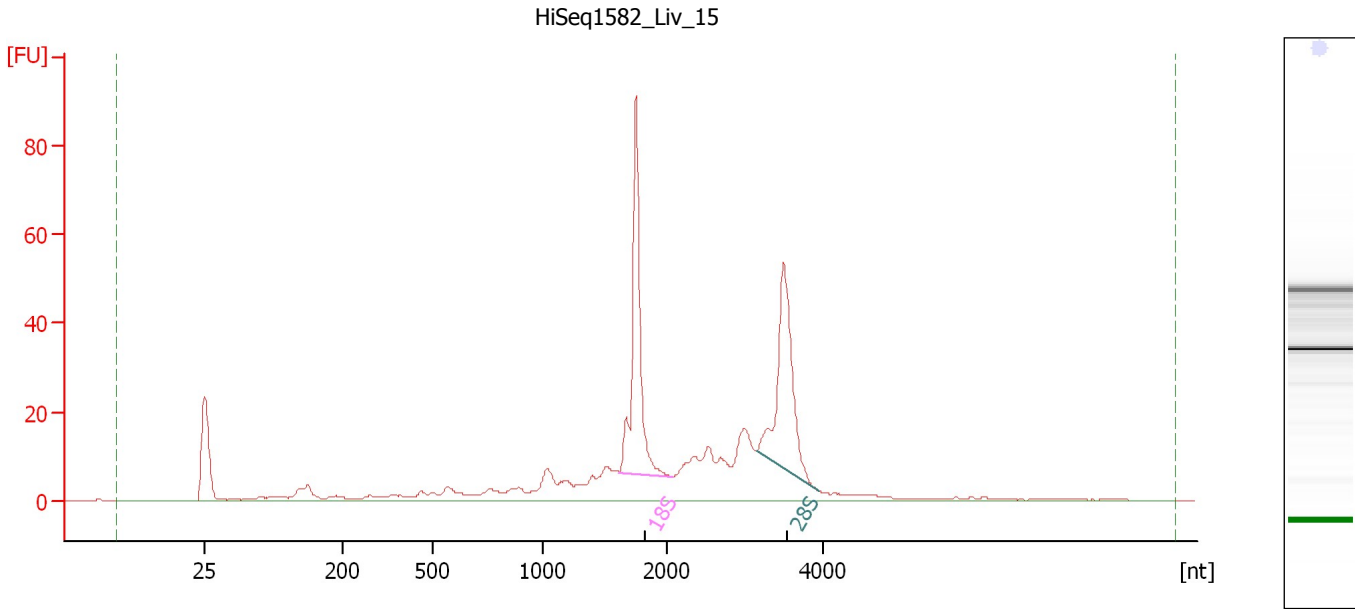
**Fragment table for sample 2 : HiSeq1582 Liv 14**

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:\... bioanalyzer\2100 expert\data\2018-11-07\2018-11-07\_001.xad

Created: 11/7/2018 3:04:41 PM  
Modified: 11/7/2018 3:32:49 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

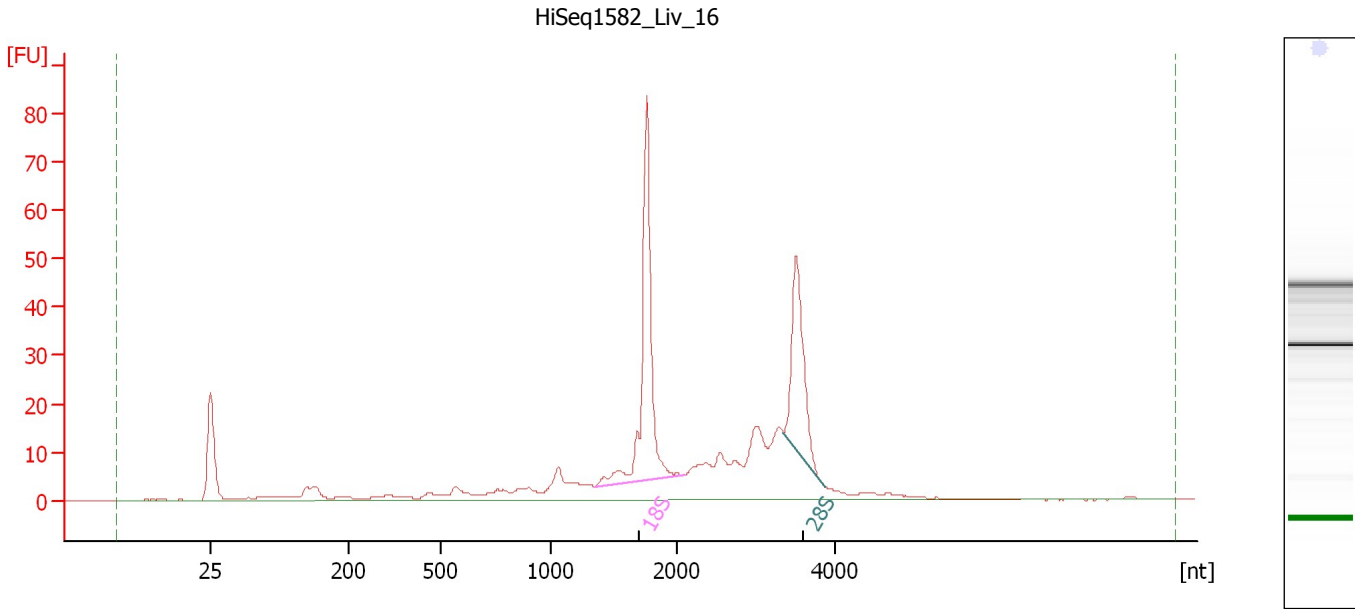
**Fragment table for sample 3 : HiSeq1582 Liv 15**

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:\... bioanalyzer\2100 expert\data\2018-11-07\2018-11-07\_001.xad

Created: 11/7/2018 3:04:41 PM  
Modified: 11/7/2018 3:32:49 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**

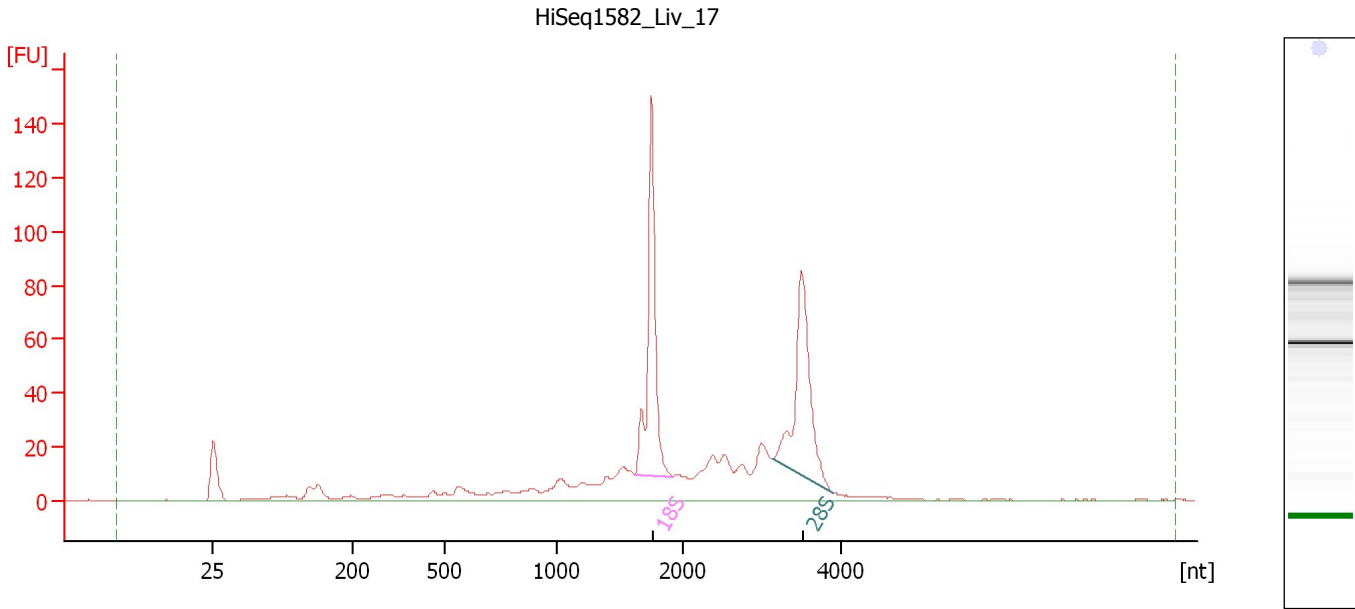
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,353	2,103	82.9	22.2
28S	3,360	3,874	50.2	13.4



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-07\2018-11-07\_001.xad

Created: 11/7/2018 3:04:41 PM  
Modified: 11/7/2018 3:32:49 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

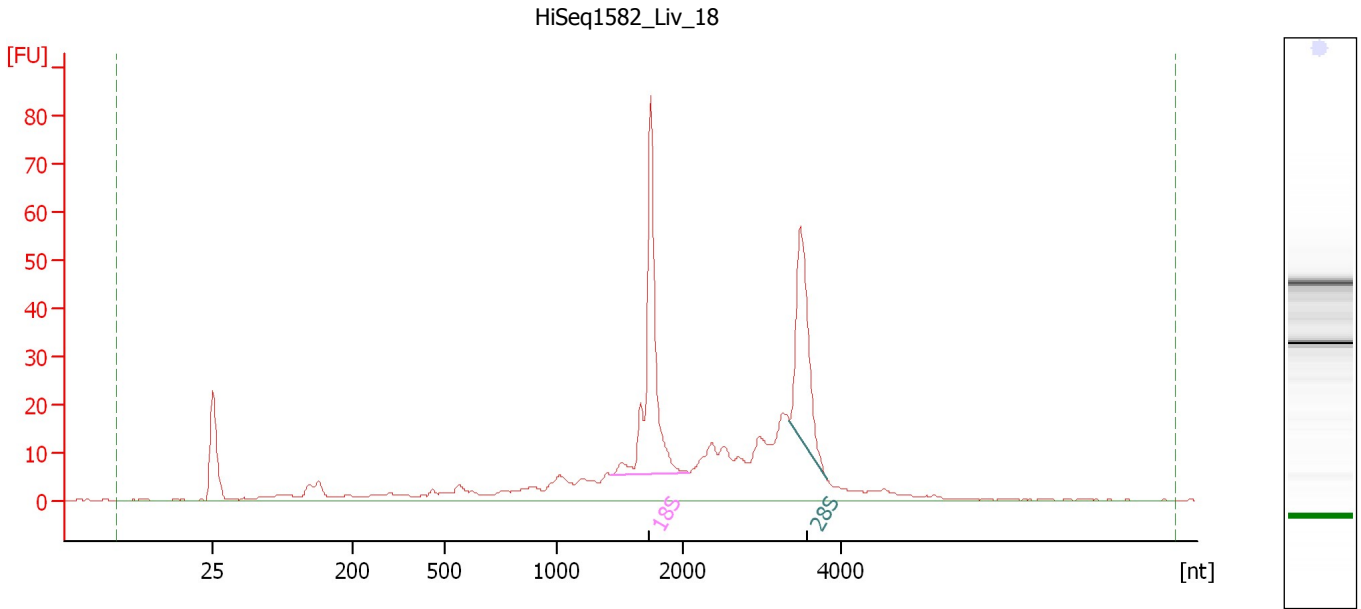
**Fragment table for sample 5 : HiSeq1582 Liv 17**

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:\... bioanalyzer\2100 expert\data\2018-11-07\2018-11-07\_001.xad

Created: 11/7/2018 3:04:41 PM  
Modified: 11/7/2018 3:32:49 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:\... bioanalyzer\2100 expert\data\2018-11-07\2018-11-07\_001.xad

Created: 11/7/2018 3:04:41 PM  
Modified: 11/7/2018 3:32:49 PM

**Gel Image**

