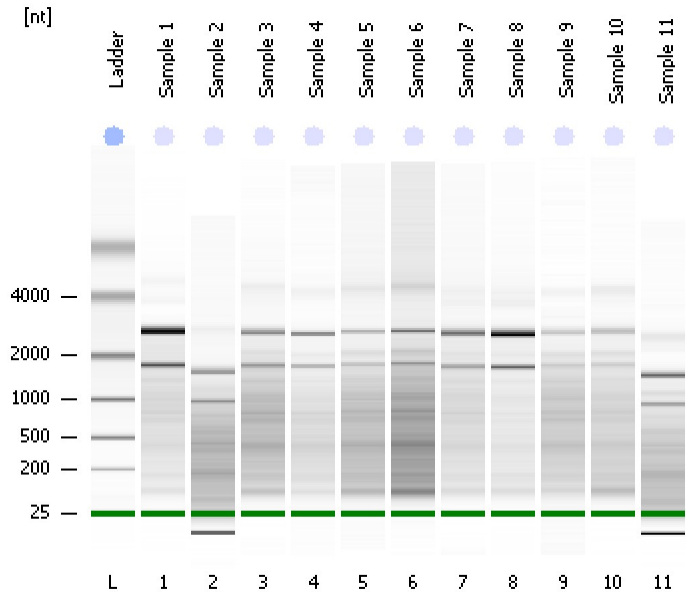


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
Modified: 1/3/2018 12:31:38 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

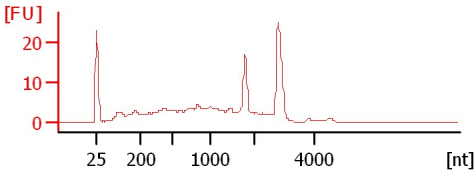
Assay Information:

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.

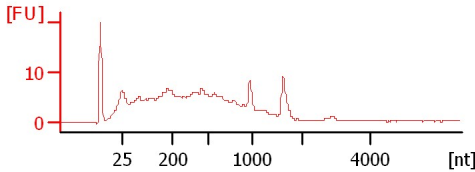
Chip Information:

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

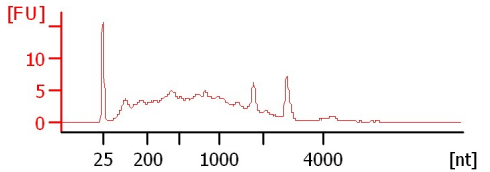
Sample 1
HiSeq1248
RIN: 7.20



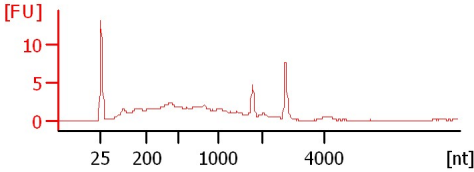
Sample 2
HiSeq1248
RIN: 4.40



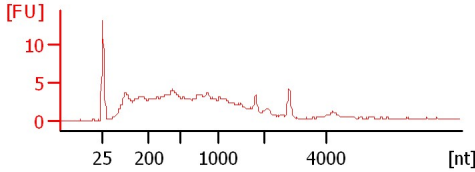
Sample 3
HiSeq1248
RIN: 4



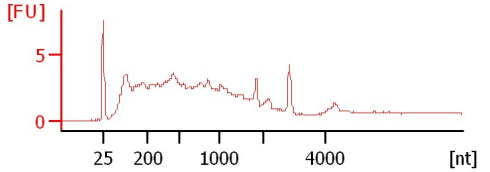
Sample 4
HiSeq1248
RIN: 3.70



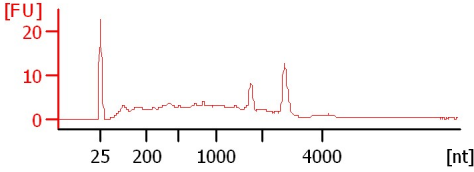
Sample 5
HiSeq1248
RIN: 3.40



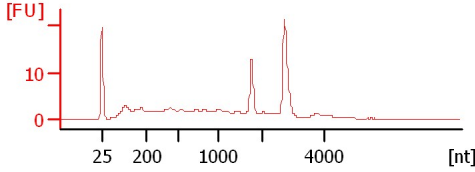
Sample 6
HiSeq1248
RIN: 3.10



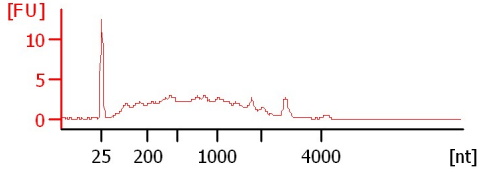
Sample 7
HiSeq1248
RIN: 6



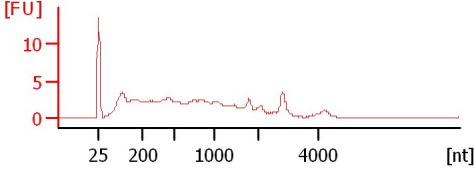
Sample 8
HiSeq1248
RIN: 4.30



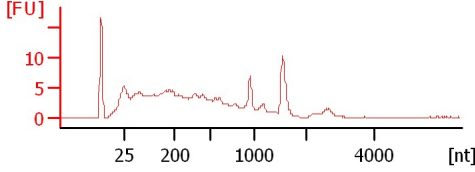
Sample 9
HiSeq1248
RIN: 4.20



Sample 10
HiSeq1248
RIN: 3.90



Sample 11
HiSeq1248
RIN: 5.20



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
Modified: 1/3/2018 12:31:38 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| Sample 1 | HiSeq1248 | ✓ | RIN: 7.20 | |
| Sample 2 | HiSeq1248 | ✓ | RIN: 4.40 | |
| Sample 3 | HiSeq1248 | ✓ | RIN:4 | |
| Sample 4 | HiSeq1248 | ✓ | RIN: 3.70 | |
| Sample 5 | HiSeq1248 | ✓ | RIN: 3.40 | |
| Sample 6 | HiSeq1248 | ✓ | RIN: 3.10 | |
| Sample 7 | HiSeq1248 | ✓ | RIN:6 | |
| Sample 8 | HiSeq1248 | ✓ | RIN: 4.30 | |
| Sample 9 | HiSeq1248 | ✓ | RIN: 4.20 | |
| Sample 10 | HiSeq1248 | ✓ | RIN: 3.90 | |
| Sample 11 | HiSeq1248 | ✓ | RIN: 5.20 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

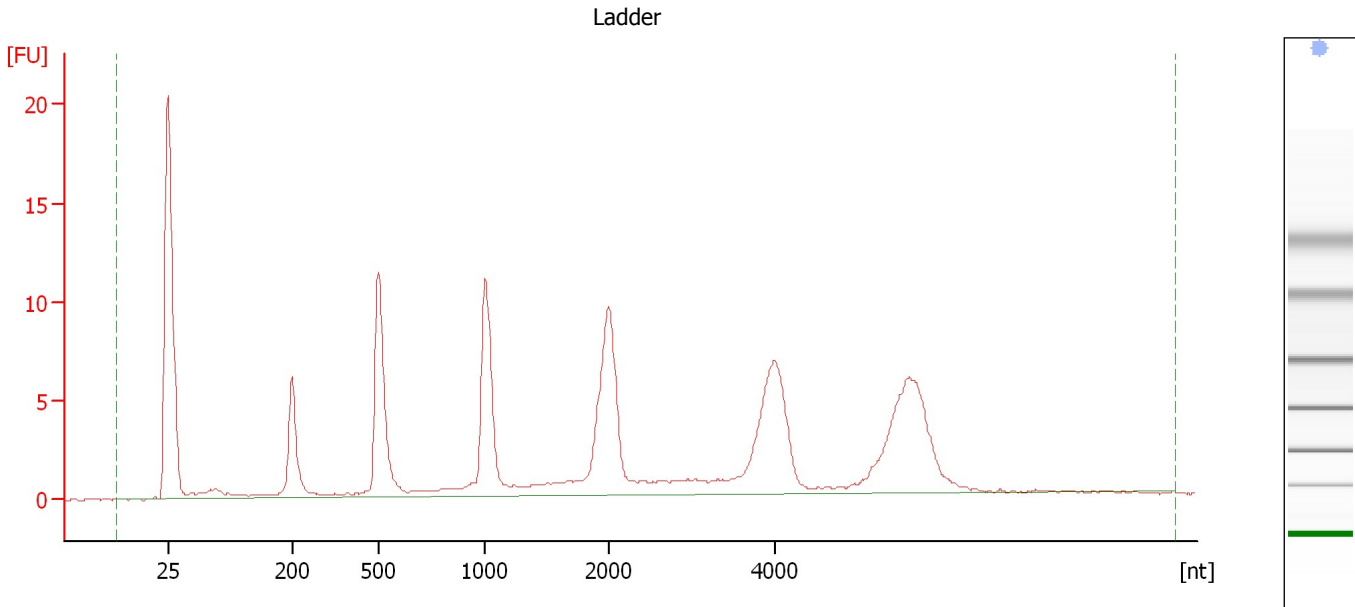
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary



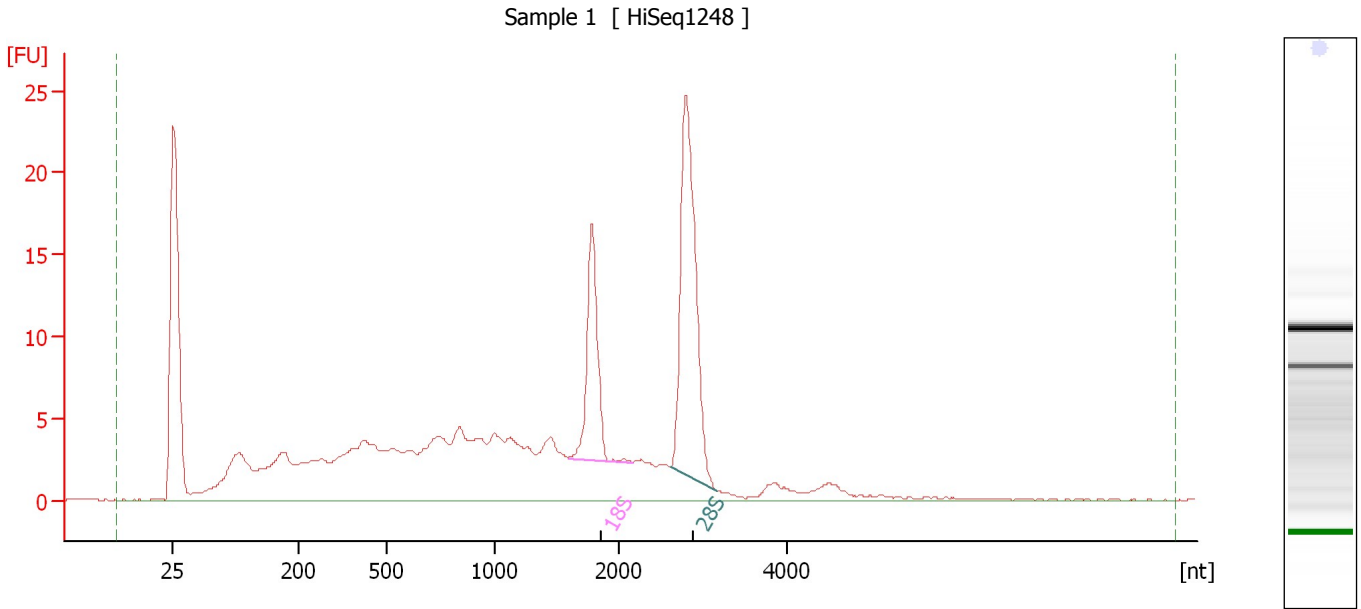
Overall Results for Ladder

| | | | |
|--------------------|-------------|------------------------|---|
| RNA Area: | 136.5 | 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\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
 Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 258.4 | RNA Integrity Number (RIN): | 7.2 (B.02.08) |
| RNA Concentration: | 1,893 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.1 | Result Flagging Label: | RIN: 7.20 |

Fragment table for sample 1 : Sample 1

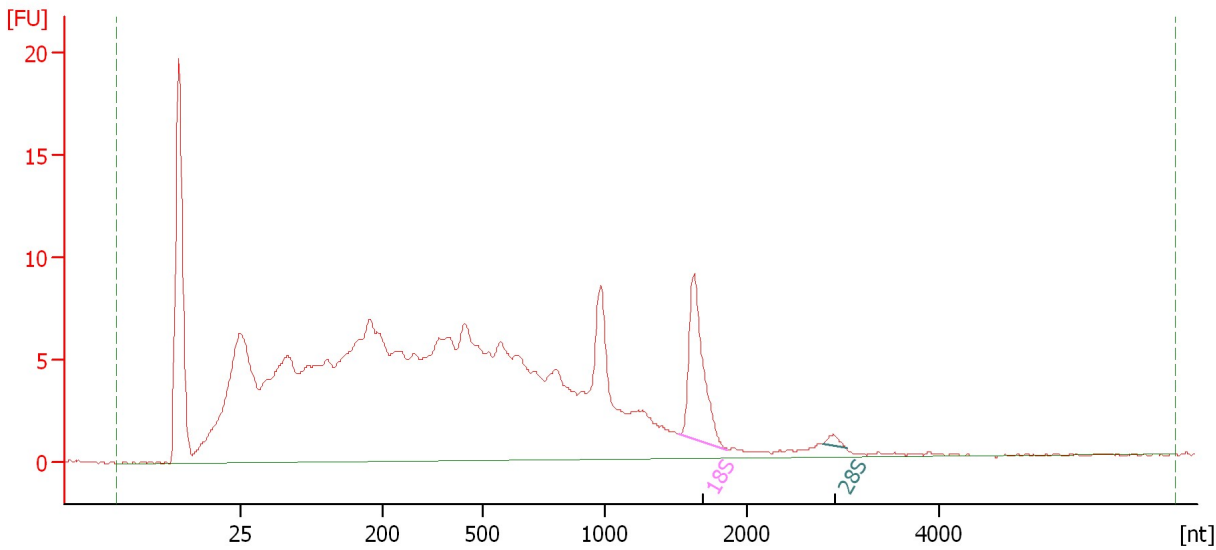
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,589 | 2,156 | 19.9 | 7.7 |
| 28S | 2,616 | 3,177 | 41.2 | 16.0 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary Continued ...

Sample 2 [HiSeq1248]



Overall Results for sample 2 : Sample 2

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 316.9 | RNA Integrity Number (RIN): | 4.4 (B.02.08) |
| RNA Concentration: | 2,321 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 4.40 |

Fragment table for sample 2 : Sample 2

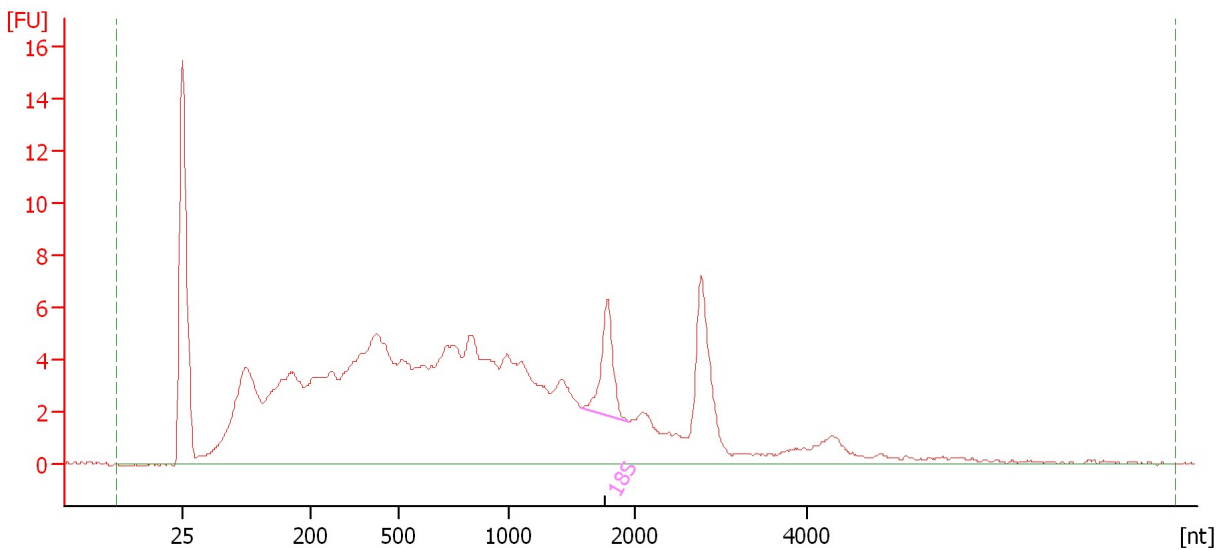
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,517 | 1,856 | 12.8 | 4.0 |
| 28S | 2,794 | 3,040 | 0.6 | 0.2 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
 Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary Continued ...

Sample 3 [HiSeq1248]



Overall Results for sample 3 : Sample 3

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 231.7 | RNA Integrity Number (RIN): | 4 (B.02.08) |
| RNA Concentration: | 1,697 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN:4 |

Fragment table for sample 3 : Sample 3

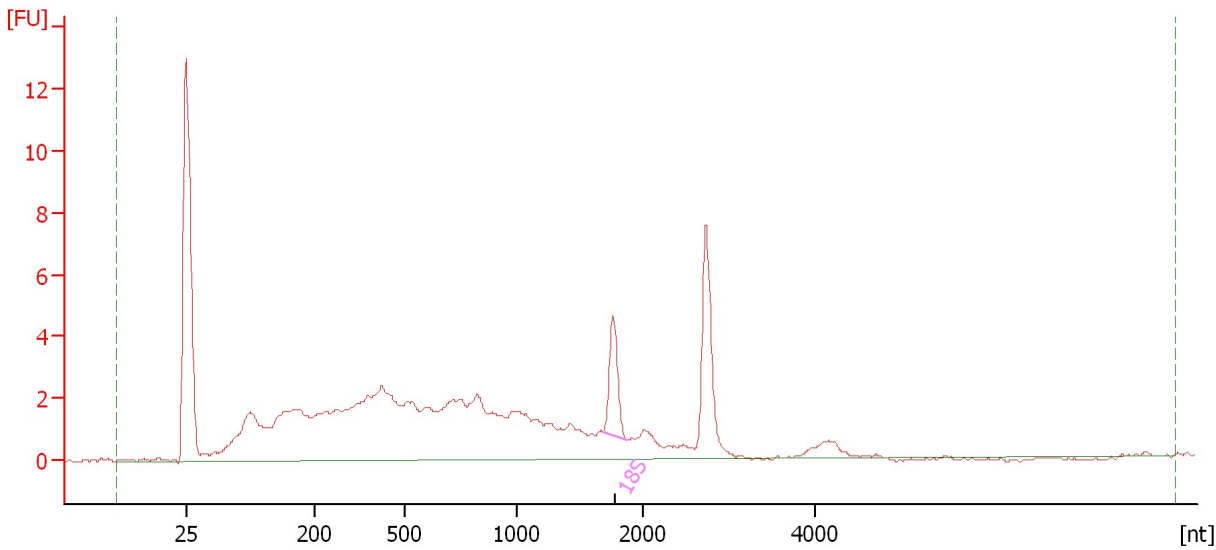
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,575 | 1,947 | 6.6 | 2.9 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary Continued ...

Sample 4 [HiSeq1248]



Overall Results for sample 4 : Sample 4

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 102.2 | RNA Integrity Number (RIN): | 3.7 (B.02.08) |
| RNA Concentration: | 749 µg/µl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 3.70 |

Fragment table for sample 4 : Sample 4

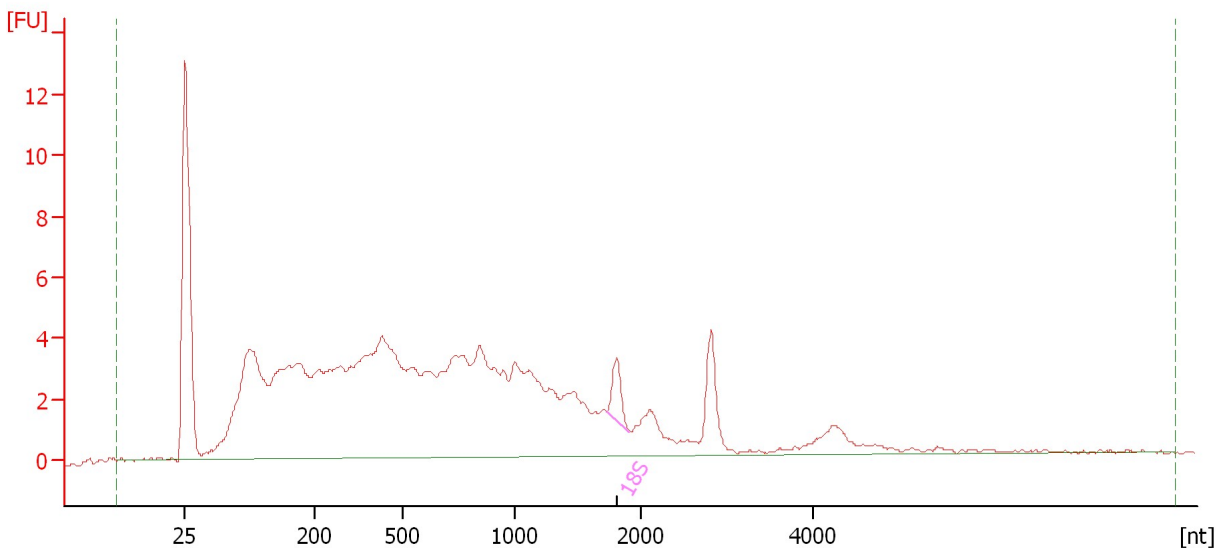
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,673 | 1,866 | 3.9 | 3.8 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary Continued ...

Sample 5 [HiSeq1248]



Overall Results for sample 5 : Sample 5

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 176.5 | RNA Integrity Number (RIN): | 3.4 (B.02.08) |
| RNA Concentration: | 1,293 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 3.40 |

Fragment table for sample 5 : Sample 5

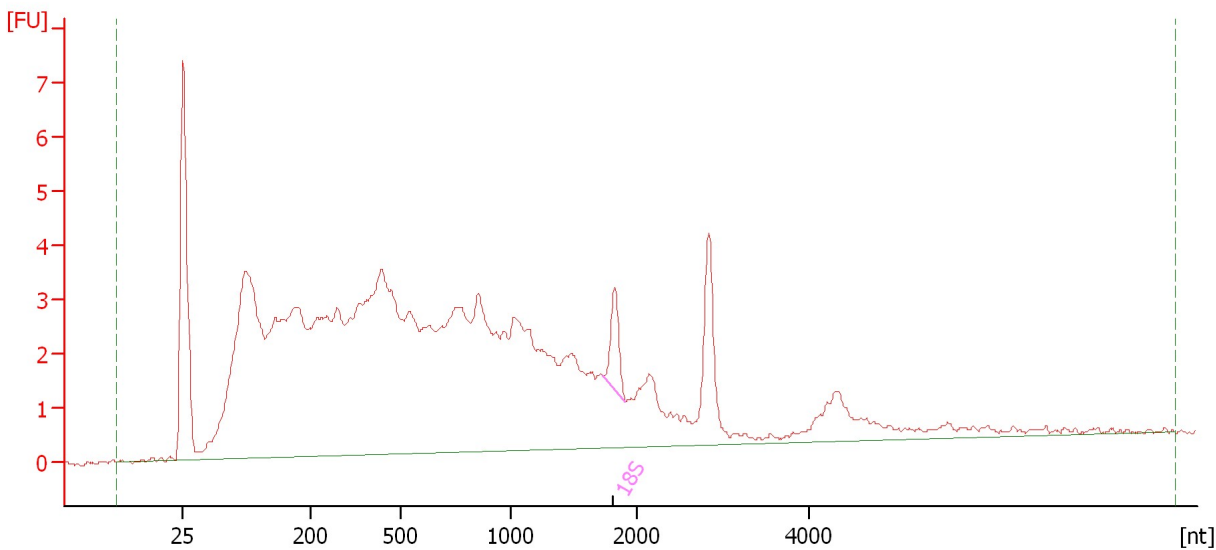
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,731 | 1,907 | 2.1 | 1.2 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary Continued ...

Sample 6 [HiSeq1248]



Overall Results for sample 6 : Sample 6

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 153.3 | RNA Integrity Number (RIN): | 3.1 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 1,123 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 3.10 |

Fragment table for sample 6 : Sample 6

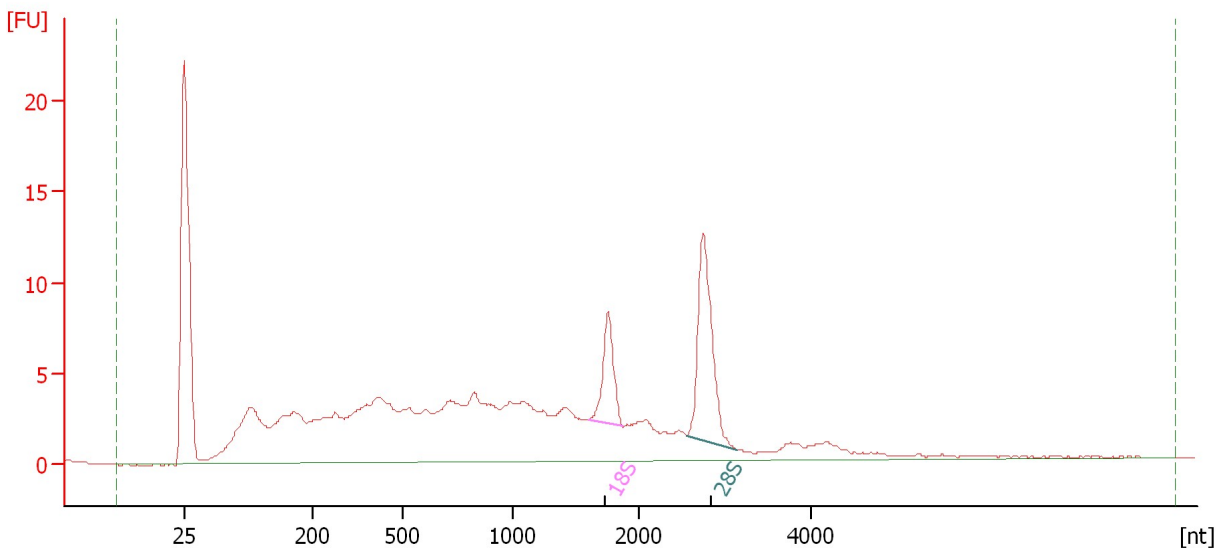
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,728 | 1,905 | 1.8 | 1.2 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary Continued ...

Sample 7 [HiSeq1248]



Overall Results for sample 7 : Sample 7

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 207.6 | RNA Integrity Number (RIN): | 6 (B.02.08) |
| RNA Concentration: | 1,520 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.2 | Result Flagging Label: | RIN:6 |

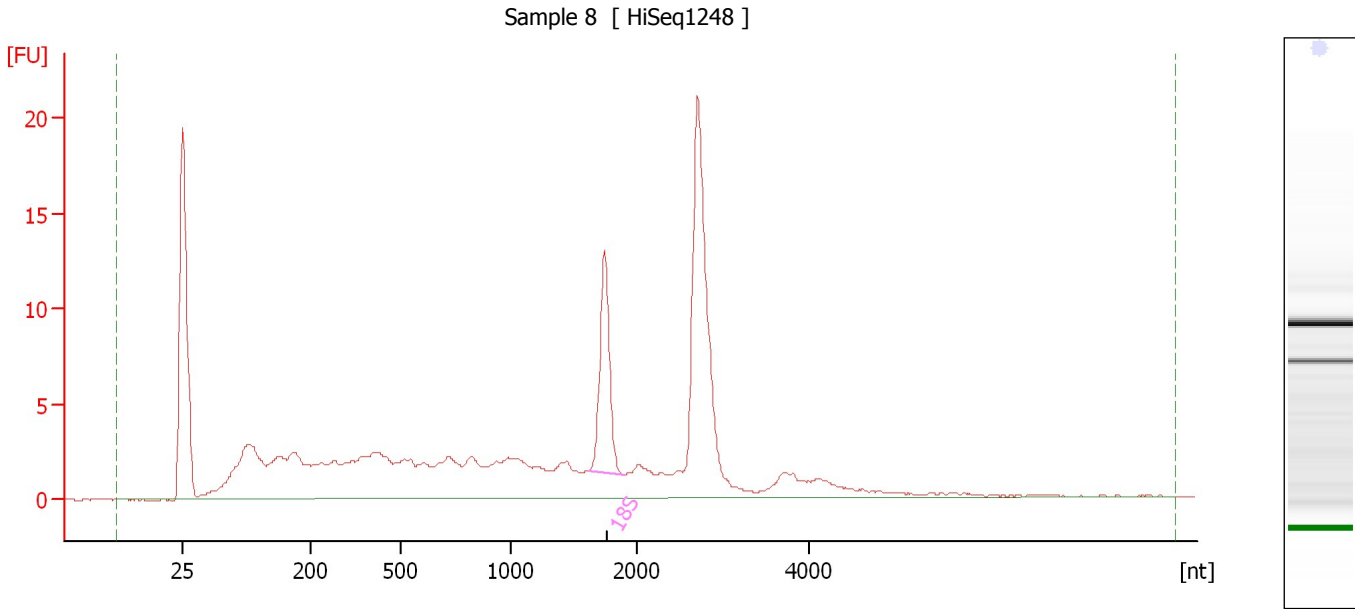
Fragment table for sample 7 : Sample 7

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,603 | 1,864 | 8.3 | 4.0 |
| 28S | 2,547 | 3,133 | 18.5 | 8.9 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 178.3 | RNA Integrity Number (RIN): | 4.3 (B.02.08) |
| RNA Concentration: | 1,306 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 4.30 |

Fragment table for sample 8 : Sample 8

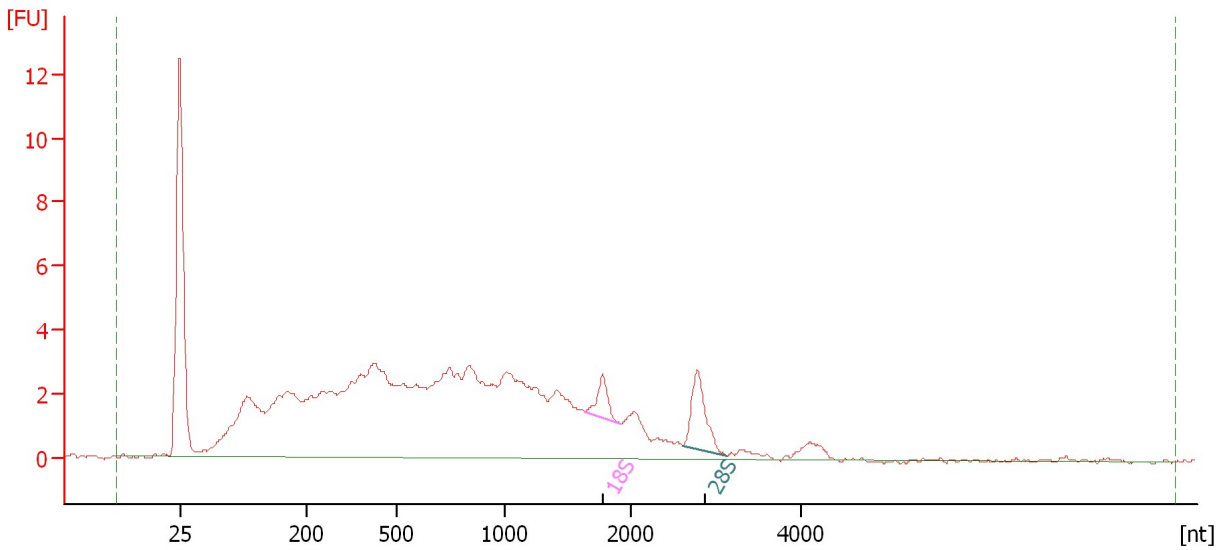
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,610 | 1,897 | 14.4 | 8.1 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary Continued ...

Sample 9 [HiSeq1248]



Overall Results for sample 9 : Sample 9

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 132.5 | RNA Integrity Number (RIN): | 4.2 (B.02.08) |
| RNA Concentration: | 971 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.2 | Result Flagging Label: | RIN: 4.20 |

Fragment table for sample 9 : Sample 9

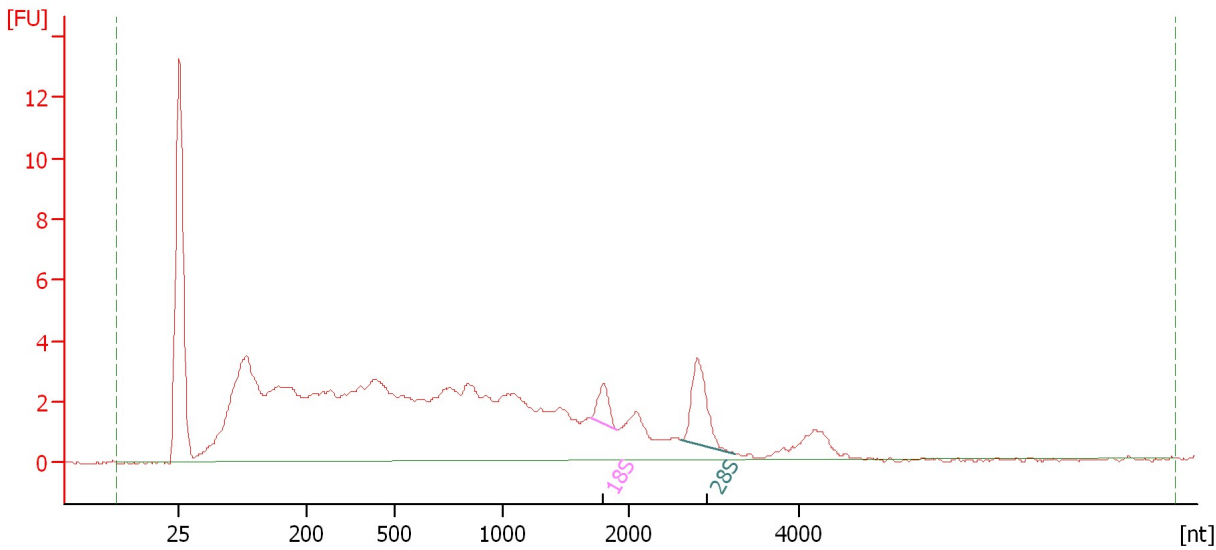
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,632 | 1,912 | 1.8 | 1.3 |
| 28S | 2,599 | 3,115 | 3.9 | 3.0 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
 Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary Continued ...

Sample 10 [HiSeq1248]



Overall Results for sample 10 : Sample 10

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 143.1 | RNA Integrity Number (RIN): | 3.9 (B.02.08) |
| RNA Concentration: | 1,048 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.7 | Result Flagging Label: | RIN: 3.90 |

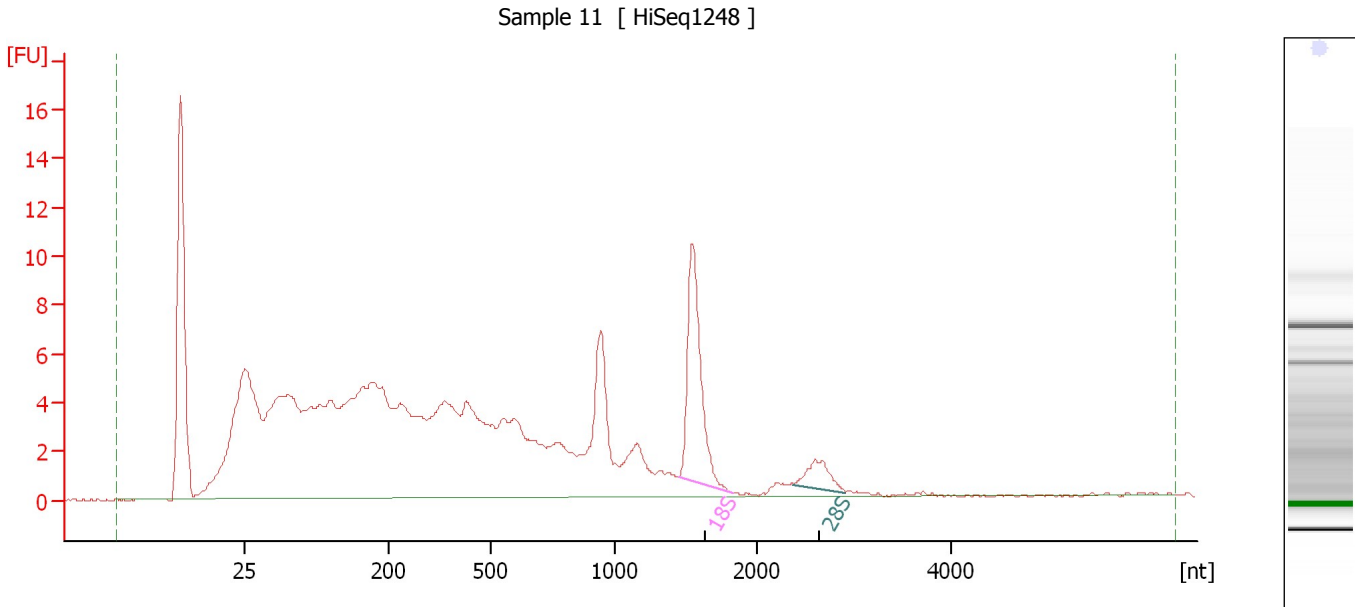
Fragment table for sample 10 : Sample 10

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,690 | 1,894 | 1.8 | 1.3 |
| 28S | 2,613 | 3,256 | 5.0 | 3.5 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
 Modified: 1/3/2018 12:31:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 230.7 | RNA Integrity Number (RIN): | 5.2 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 1,689 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.2 | Result Flagging Label: | RIN: 5.20 |

Fragment table for sample 11 : Sample 11

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,441 | 1,830 | 14.7 | 6.4 |
| 28S | 2,368 | 2,911 | 2.6 | 1.1 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_003.xad

Created: 1/3/2018 11:43:22 AM
Modified: 1/3/2018 12:31:38 PM

Gel Image

