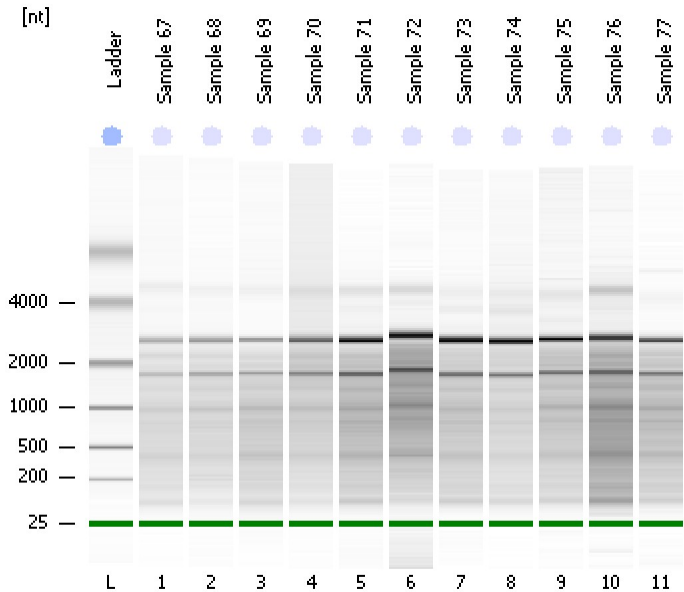


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electrophoresis File Run Summary



Instrument Information:

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

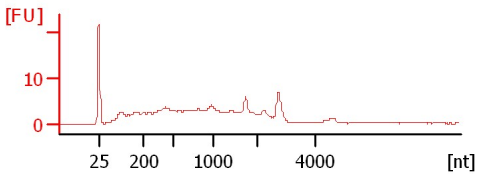
Assay Information:

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.

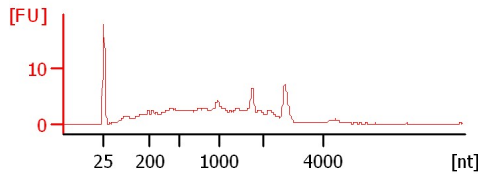
Chip Information:

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

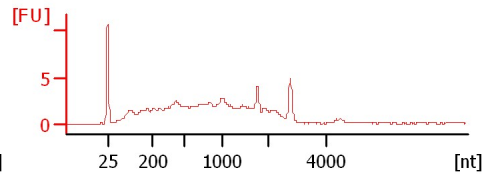
Sample 67
HiSeq1248_RNAQC
RIN: 5



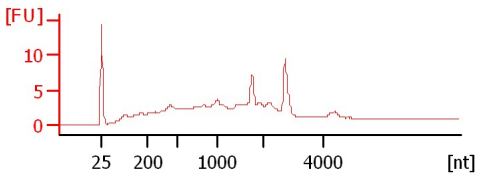
Sample 68
HiSeq1248_RNAQC
RIN: 5.60



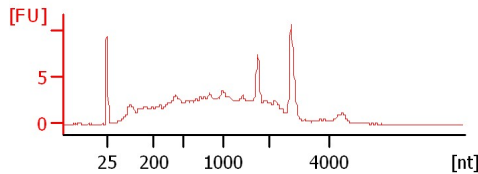
Sample 69
HiSeq1248_RNAQC
RIN: 3.50



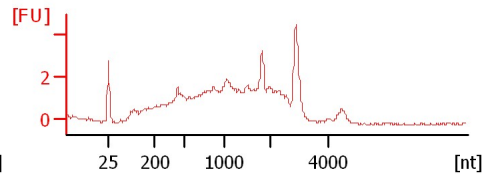
Sample 70
HiSeq1248_RNAQC
RIN: 3.50



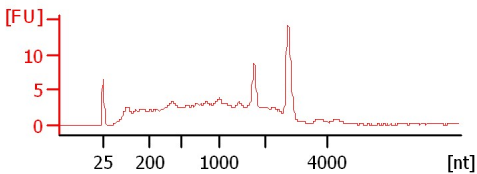
Sample 71
HiSeq1248_RNAQC
RIN: 3.20



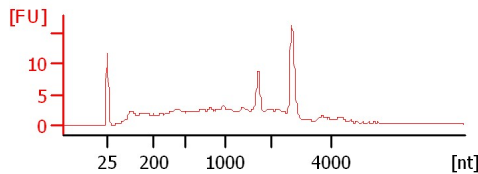
Sample 72
HiSeq1248_RNAQC
RIN: 3.10



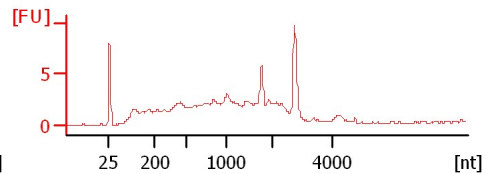
Sample 73
HiSeq1248_RNAQC
RIN: 6



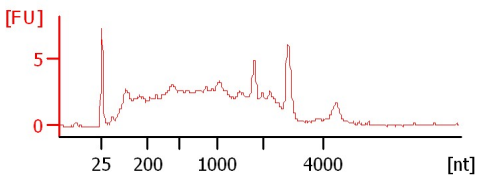
Sample 74
HiSeq1248_RNAQC
RIN: 3.40



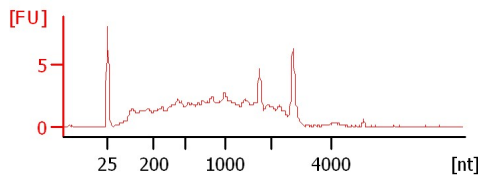
Sample 75
HiSeq1248_RNAQC
RIN: 3.20



Sample 76
HiSeq1248_RNAQC
RIN: 4.50



Sample 77
HiSeq1248_RNAQC
RIN: 3.30



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|-----------------|--------|-------------------|--------------|
| Sample 67 | HiSeq1248_RNAQC | ✓ | RIN:5 | |
| Sample 68 | HiSeq1248_RNAQC | ✓ | RIN: 5.60 | |
| Sample 69 | HiSeq1248_RNAQC | ✓ | RIN: 3.50 | |
| Sample 70 | HiSeq1248_RNAQC | ✓ | RIN: 3.50 | |
| Sample 71 | HiSeq1248_RNAQC | ✓ | RIN: 3.20 | |
| Sample 72 | HiSeq1248_RNAQC | ✓ | RIN: 3.10 | |
| Sample 73 | HiSeq1248_RNAQC | ✓ | RIN:6 | |
| Sample 74 | HiSeq1248_RNAQC | ✓ | RIN: 3.40 | |
| Sample 75 | HiSeq1248_RNAQC | ✓ | RIN: 3.20 | |
| Sample 76 | HiSeq1248_RNAQC | ✓ | RIN: 4.50 | |
| Sample 77 | HiSeq1248_RNAQC | ✓ | RIN: 3.30 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

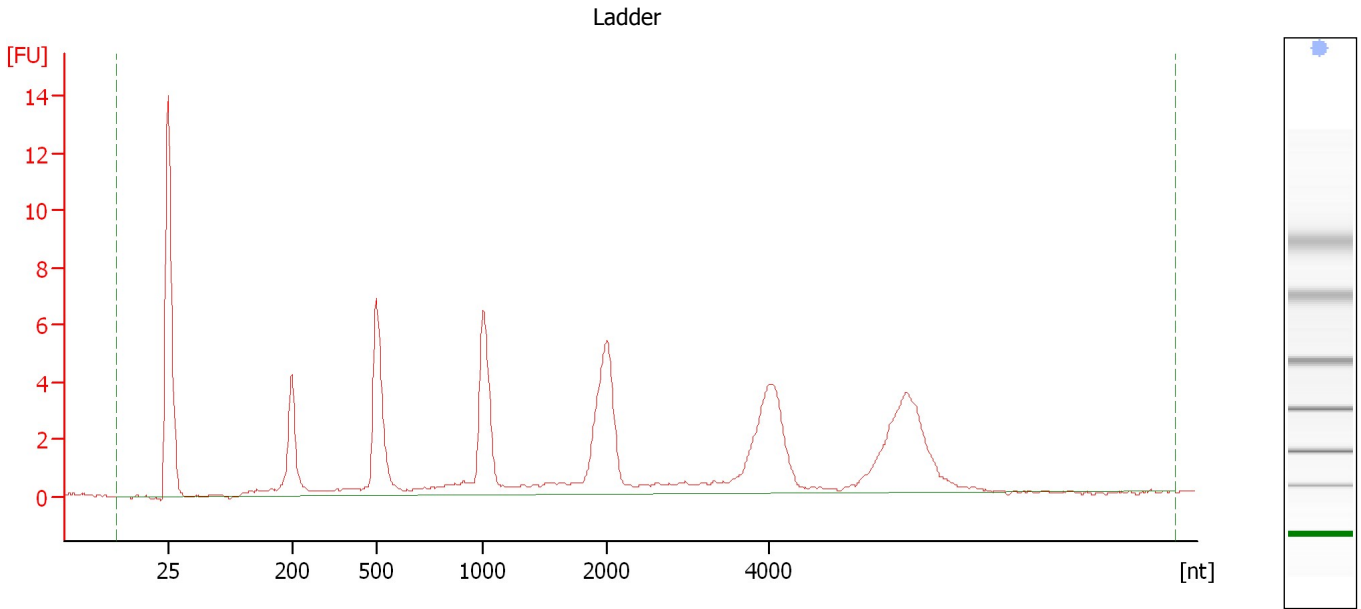
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary



Overall Results for Ladder

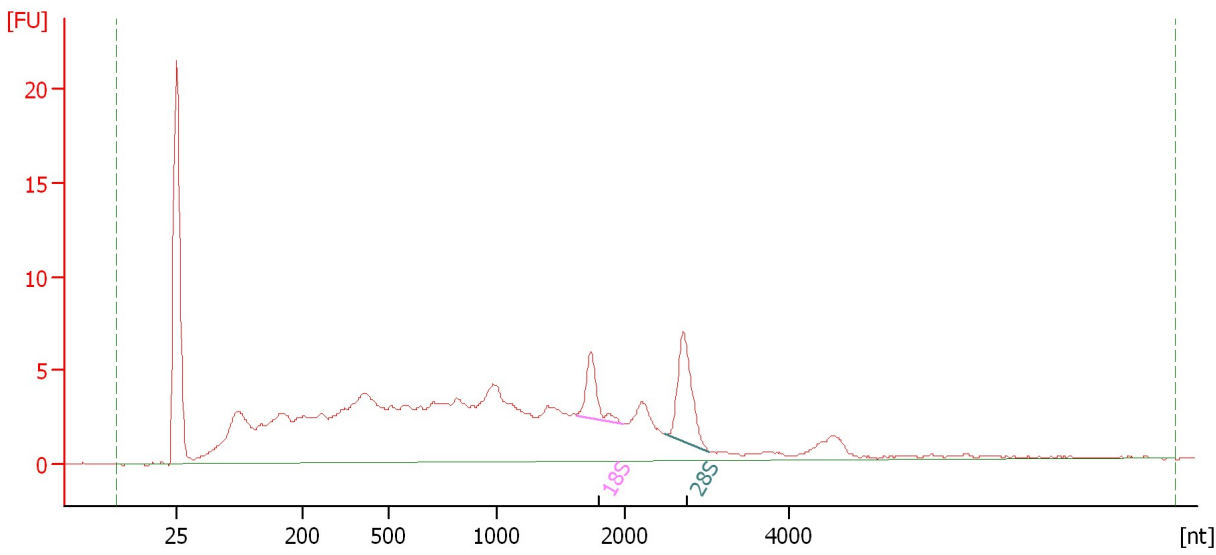
| | | | |
|--------------------|-------------|------------------------|---|
| RNA Area: | 81.1 | Result Flagging Color: | |
| RNA Concentration: | 1,000 pg/μl | Result Flagging Label: | All Other Samples |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary Continued ...

Sample 67 [HiSeq1248_RNAQC]



Overall Results for sample 1 : Sample 67

RNA Area: 197.9 RNA Integrity Number (RIN): 5 (B.02.08)
RNA Concentration: 2,439 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN:5

Fragment table for sample 1 : Sample 67

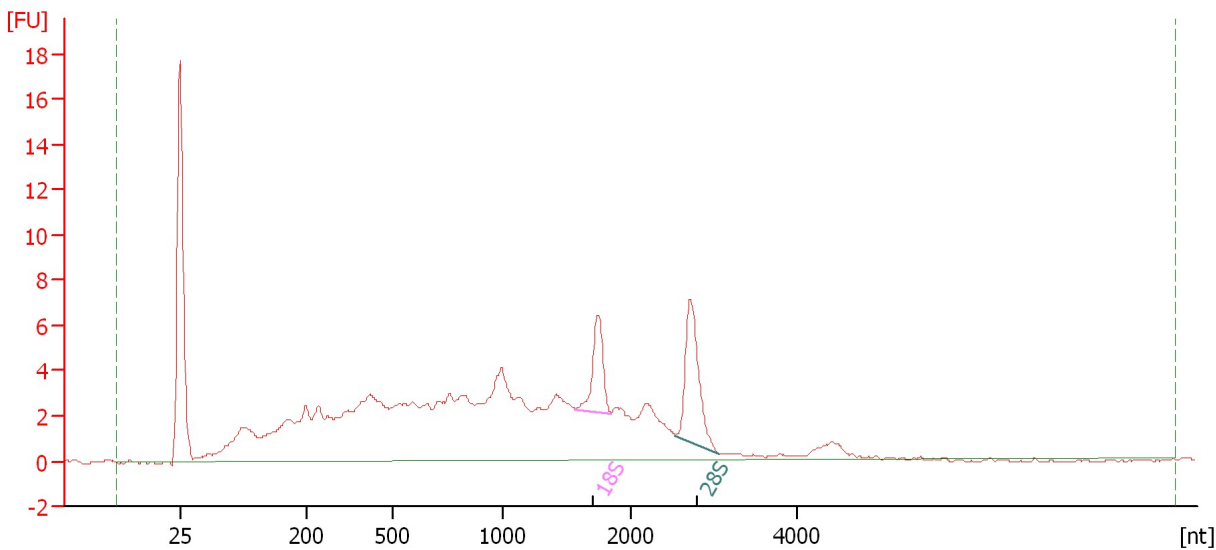
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,623 | 1,987 | 5.0 | 2.6 |
| 28S | 2,484 | 3,027 | 9.5 | 4.8 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary Continued ...

Sample 68 [HiSeq1248_RNAQC]



Overall Results for sample 2 : Sample 68

RNA Area: 159.5 RNA Integrity Number (RIN): 5.6 (B.02.08)
RNA Concentration: 1,965 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 5.60

Fragment table for sample 2 : Sample 68

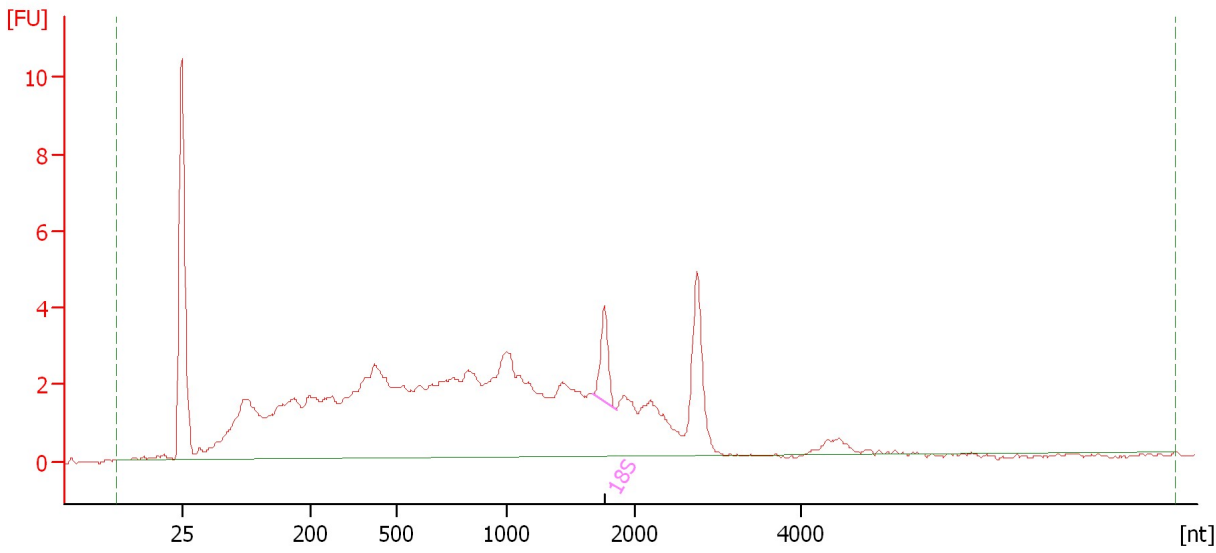
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,568 | 1,854 | 5.5 | 3.4 |
| 28S | 2,547 | 3,074 | 9.6 | 6.0 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary Continued ...

Sample 69 [HiSeq1248_RNAQC]



Overall Results for sample 3 : Sample 69

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 114.4 | RNA Integrity Number (RIN): | 3.5 (B.02.08) |
| RNA Concentration: | 1,410 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 3.50 |

Fragment table for sample 3 : Sample 69

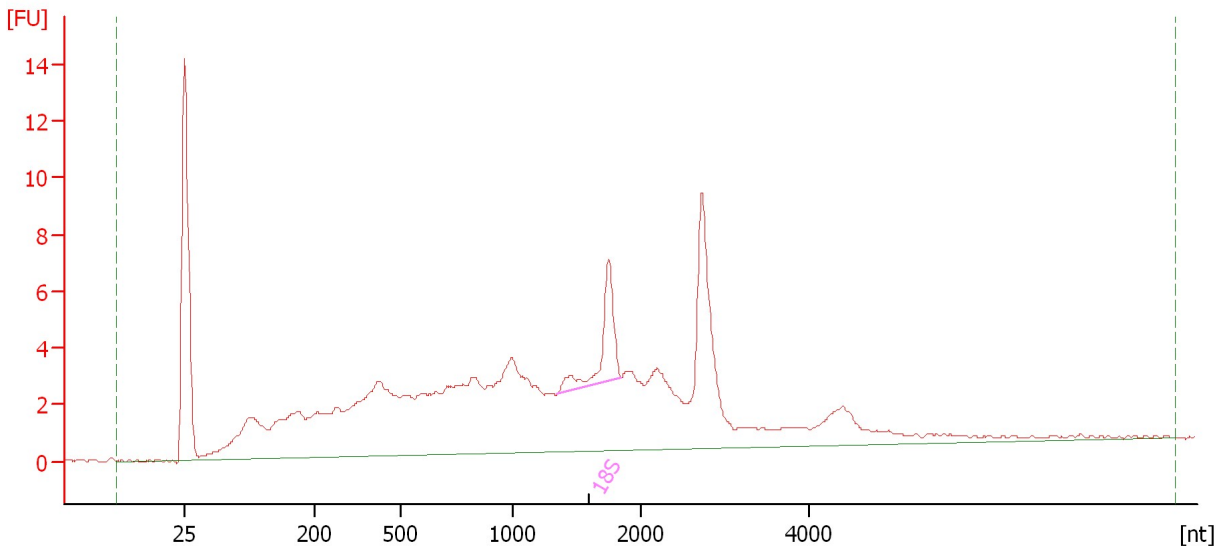
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,680 | 1,856 | 2.4 | 2.1 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary Continued ...

Sample 70 [HiSeq1248_RNAQC]



Overall Results for sample 4 : Sample 70

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 161.9 | RNA Integrity Number (RIN): | 3.5 (B.02.08) |
| RNA Concentration: | 1,996 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 3.50 |

Fragment table for sample 4 : Sample 70

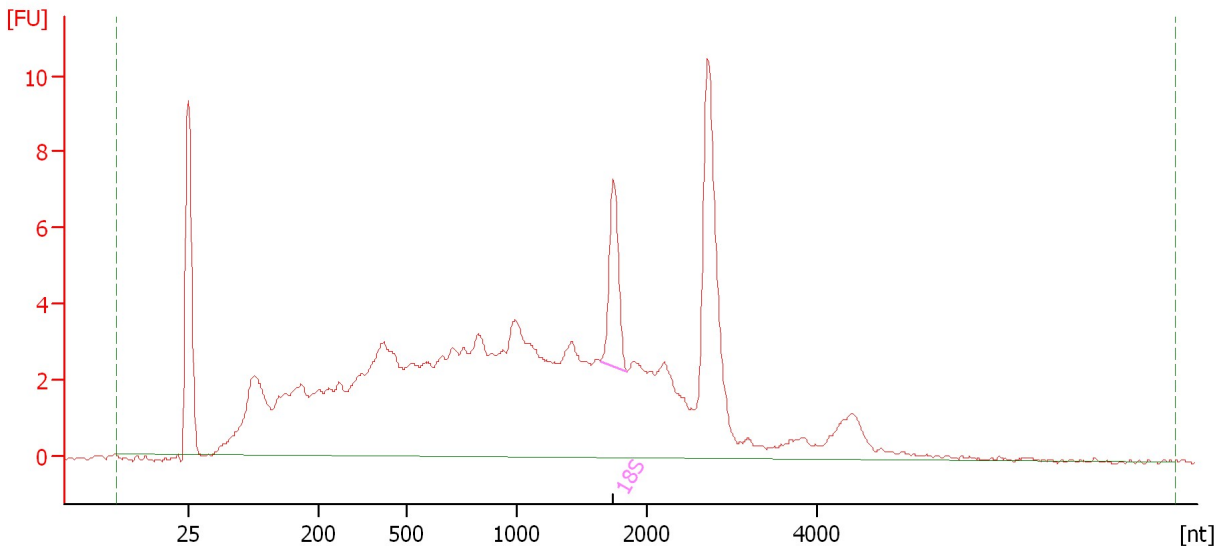
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,351 | 1,850 | 6.6 | 4.1 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary Continued ...

Sample 71 [HiSeq1248_RNAQC]



Overall Results for sample 5 : Sample 71

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 171.4 | RNA Integrity Number (RIN): | 3.2 (B.02.08) |
| RNA Concentration: | 2,113 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 3.20 |

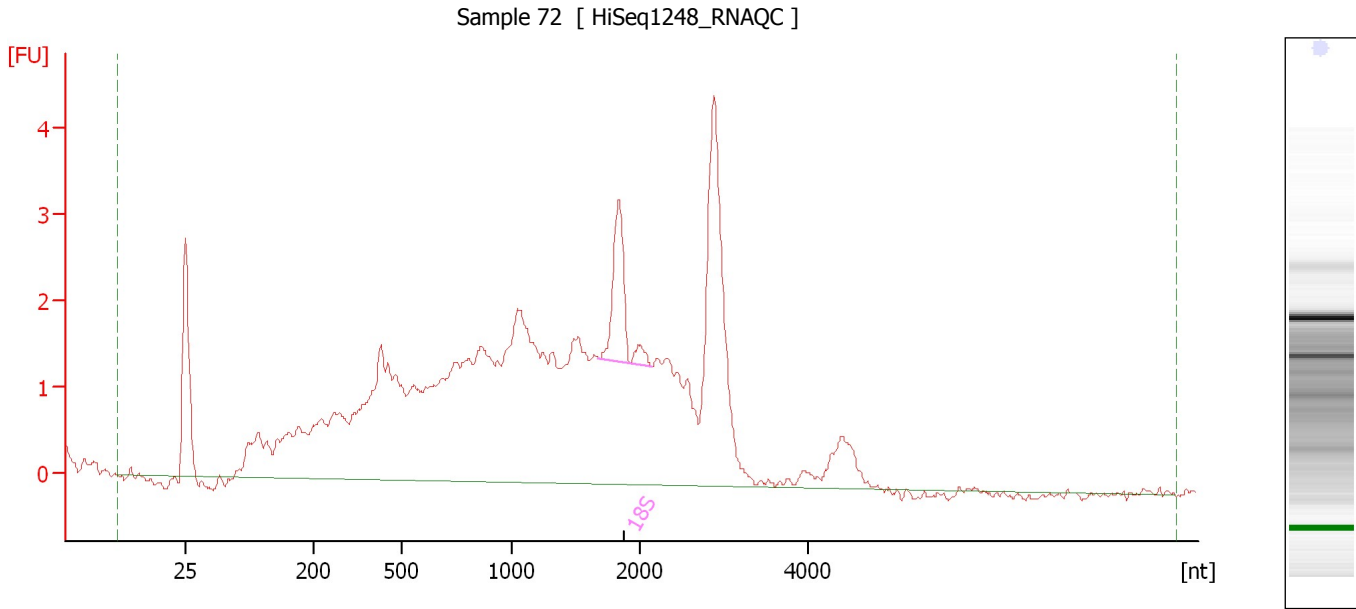
Fragment table for sample 5 : Sample 71

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,637 | 1,844 | 5.6 | 3.3 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 72

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 80.1 | RNA Integrity Number (RIN): | 3.1 (B.02.08) |
| RNA Concentration: | 987 µg/µl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 3.10 |

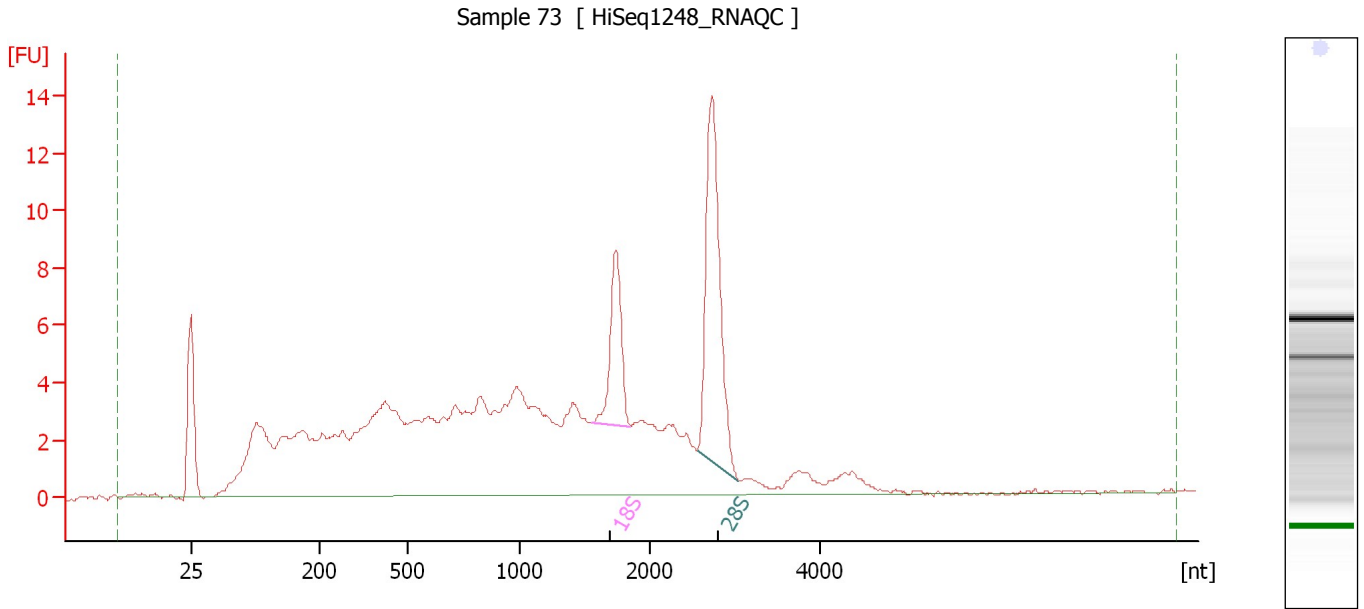
Fragment table for sample 6 : Sample 72

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,682 | 2,138 | 2.8 | 3.5 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
 Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 73

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 195.3 | RNA Integrity Number (RIN): | 6 (B.02.08) |
| RNA Concentration: | 2,407 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.4 | Result Flagging Label: | RIN:6 |

Fragment table for sample 7 : Sample 73

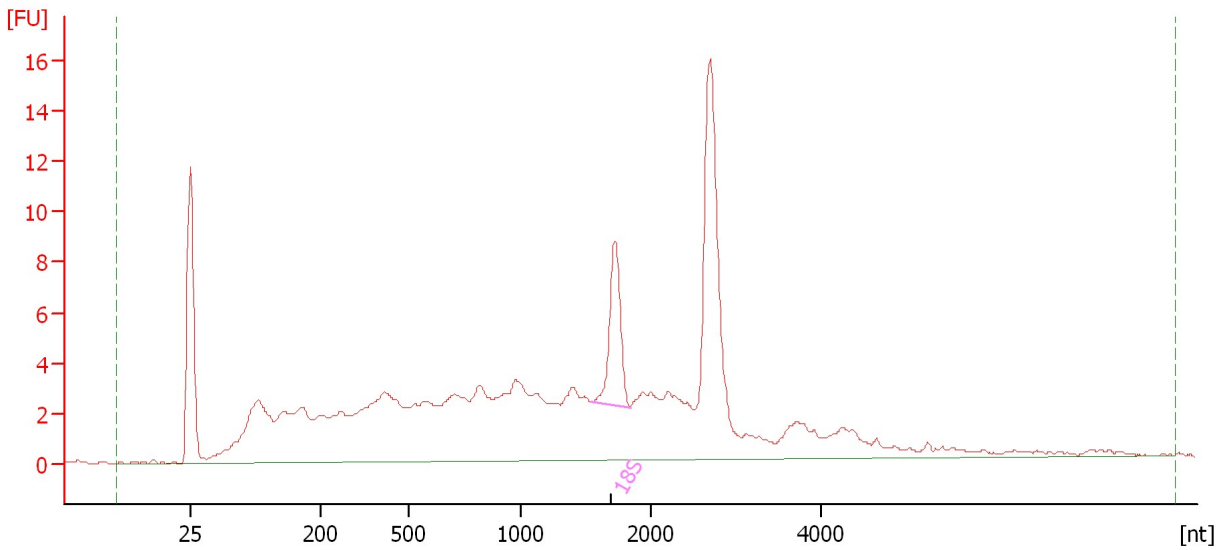
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,548 | 1,853 | 8.3 | 4.3 |
| 28S | 2,556 | 3,047 | 20.0 | 10.3 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary Continued ...

Sample 74 [HiSeq1248_RNAQC]



Overall Results for sample 8 : Sample 74

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 195.7 | RNA Integrity Number (RIN): | 3.4 (B.02.08) |
| RNA Concentration: | 2,412 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 3.40 |

Fragment table for sample 8 : Sample 74

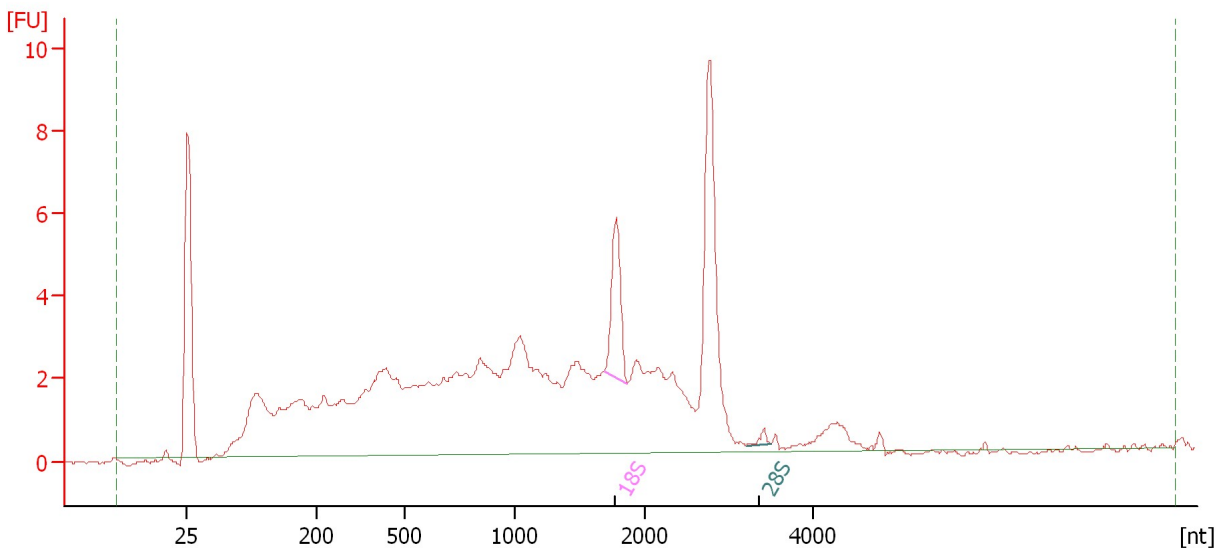
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,541 | 1,837 | 8.8 | 4.5 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary Continued ...

Sample 75 [HiSeq1248_RNAQC]



Overall Results for sample 9 : Sample 75

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 124.9 | RNA Integrity Number (RIN): | 3.2 (B.02.08) |
| RNA Concentration: | 1,539 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.1 | Result Flagging Label: | RIN: 3.20 |

Fragment table for sample 9 : Sample 75

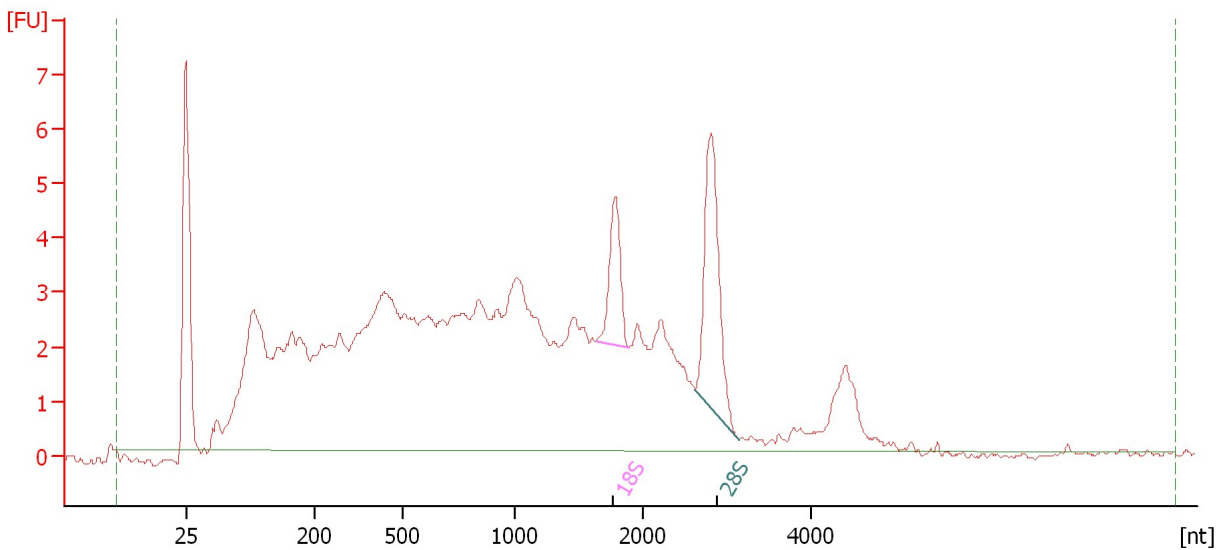
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,686 | 1,868 | 4.2 | 3.4 |
| 28S | 3,202 | 3,492 | 0.3 | 0.2 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
 Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary Continued ...

Sample 76 [HiSeq1248_RNAQC]



Overall Results for sample 10 : Sample 76

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 158.3 | RNA Integrity Number (RIN): | 4.5 (B.02.08) |
| RNA Concentration: | 1,950 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.2 | Result Flagging Label: | RIN: 4.50 |

Fragment table for sample 10 : Sample 76

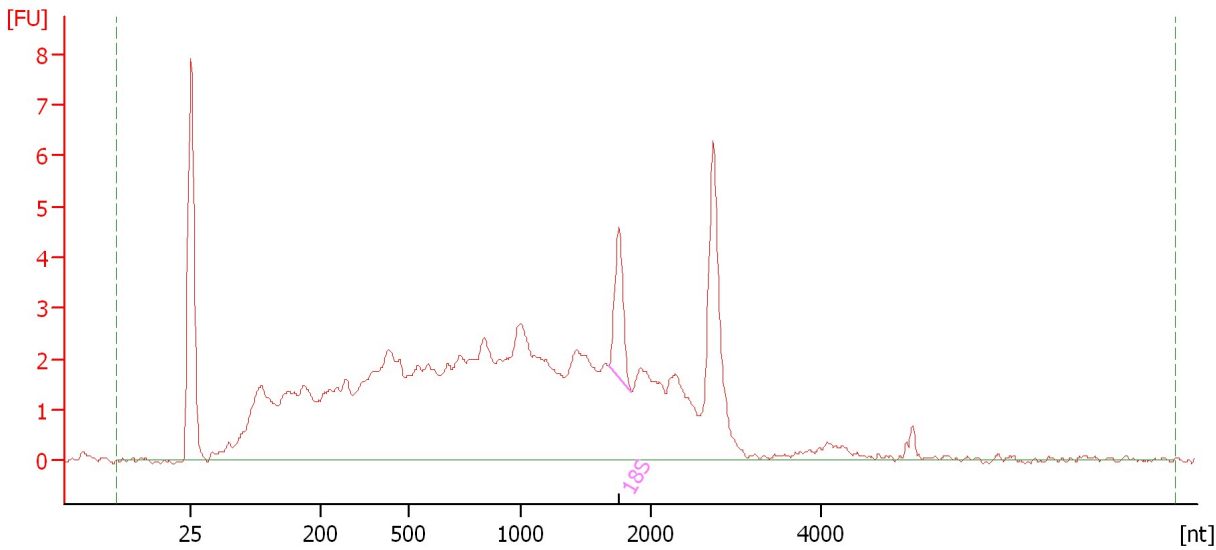
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,643 | 1,892 | 3.7 | 2.3 |
| 28S | 2,621 | 3,140 | 8.3 | 5.2 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Electropherogram Summary Continued ...

Sample 77 [HiSeq1248_RNAQC]



Overall Results for sample 11 : Sample 77

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 115.7 | RNA Integrity Number (RIN): | 3.3 (B.02.08) |
| RNA Concentration: | 1,426 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 3.30 |

Fragment table for sample 11 : Sample 77

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,673 | 1,846 | 3.1 | 2.7 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_006.xad

Created: 1/3/2018 3:02:47 PM
Modified: 1/3/2018 3:24:51 PM

Gel Image

