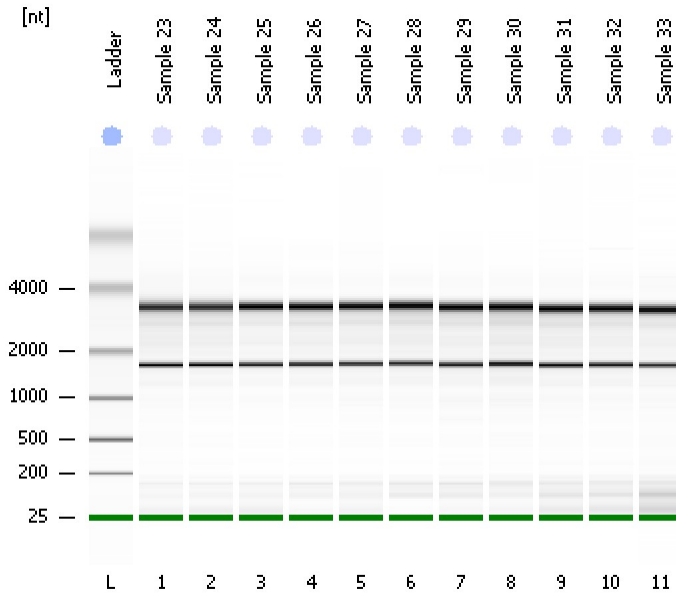


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
Modified: 2/26/2018 12:11:36 PM

Electrophoresis File Run Summary



Instrument Information:

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

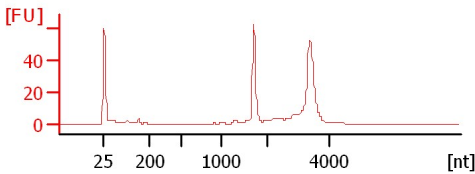
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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.

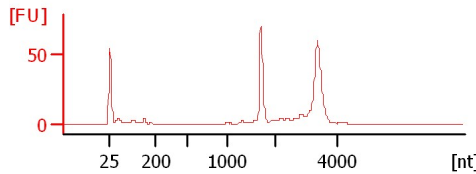
Chip Information:

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

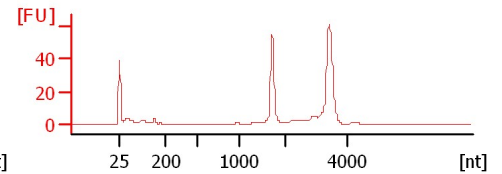
Sample 23
HiSeq1301_RNA QC
RIN: 9.70



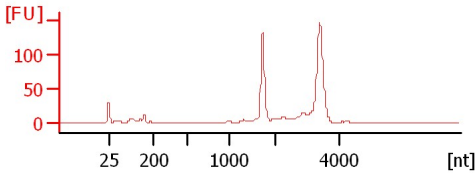
Sample 24
HiSeq1301_RNA QC
RIN: 9.60



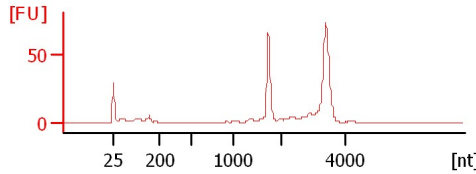
Sample 25
HiSeq1301_RNA QC
RIN: 9.80



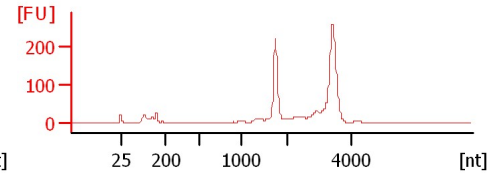
Sample 26
HiSeq1301_RNA QC
RIN: 9.60



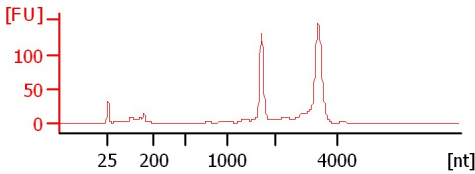
Sample 27
HiSeq1301_RNA QC
RIN: 9.60



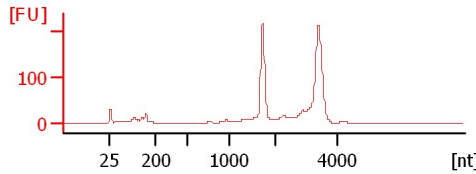
Sample 28
HiSeq1301_RNA QC
RIN: 9.80



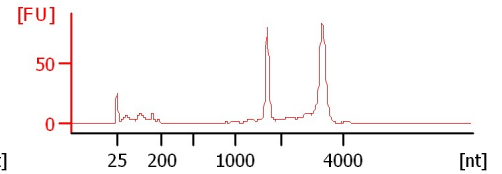
Sample 29
HiSeq1301_RNA QC
RIN: 9.70



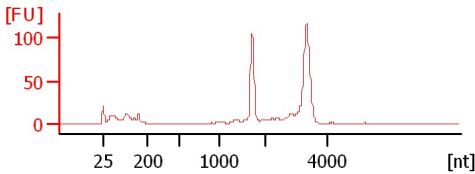
Sample 30
HiSeq1301_RNA QC
RIN: 9.50



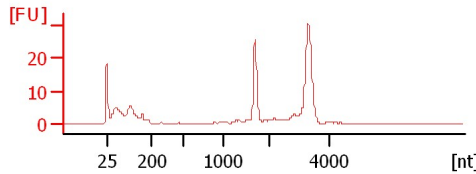
Sample 31
HiSeq1301_RNA QC
RIN: 9.50



Sample 32
HiSeq1301_RNA QC
RIN: 9.40



Sample 33
HiSeq1301_RNA QC
RIN: 9.60



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
 Modified: 2/26/2018 12:11:36 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|------------------|--------|-------------------|--------------|
| Sample 23 | HiSeq1301_RNA QC | ✓ | RIN: 9.70 | |
| Sample 24 | HiSeq1301_RNA QC | ✓ | RIN: 9.60 | |
| Sample 25 | HiSeq1301_RNA QC | ✓ | RIN: 9.80 | |
| Sample 26 | HiSeq1301_RNA QC | ✓ | RIN: 9.60 | |
| Sample 27 | HiSeq1301_RNA QC | ✓ | RIN: 9.60 | |
| Sample 28 | HiSeq1301_RNA QC | ✓ | RIN: 9.80 | |
| Sample 29 | HiSeq1301_RNA QC | ✓ | RIN: 9.70 | |
| Sample 30 | HiSeq1301_RNA QC | ✓ | RIN: 9.50 | |
| Sample 31 | HiSeq1301_RNA QC | ✓ | RIN: 9.50 | |
| Sample 32 | HiSeq1301_RNA QC | ✓ | RIN: 9.40 | |
| Sample 33 | HiSeq1301_RNA QC | ✓ | RIN: 9.60 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

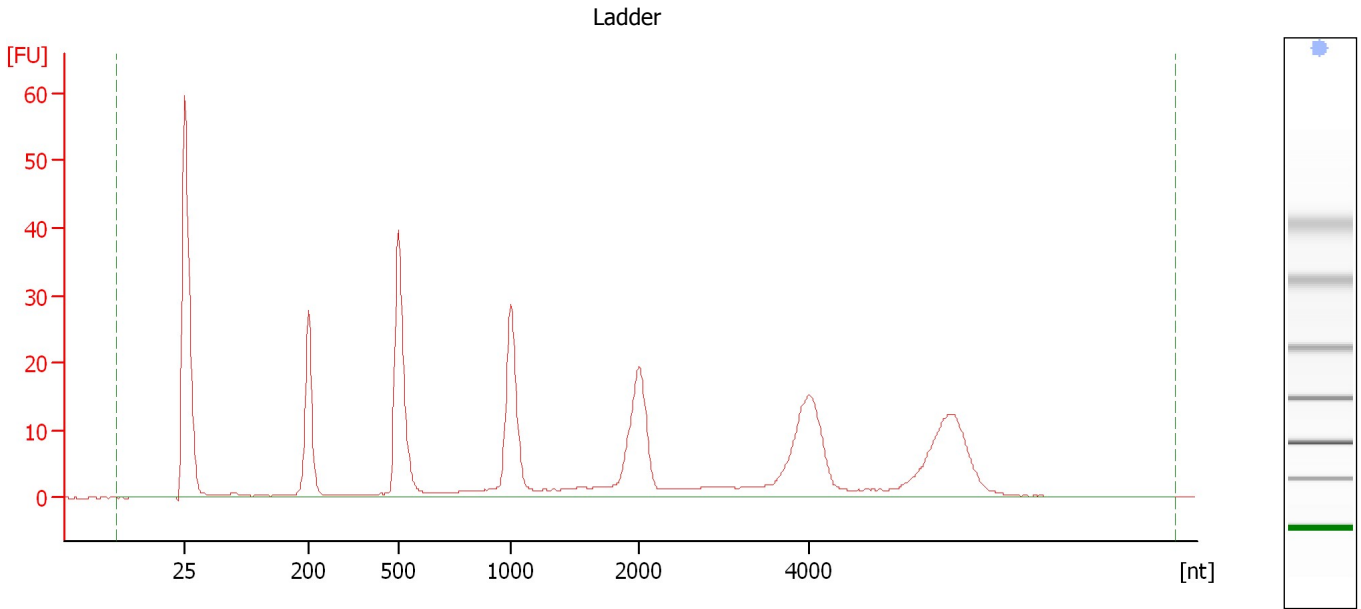
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary



Overall Results for Ladder

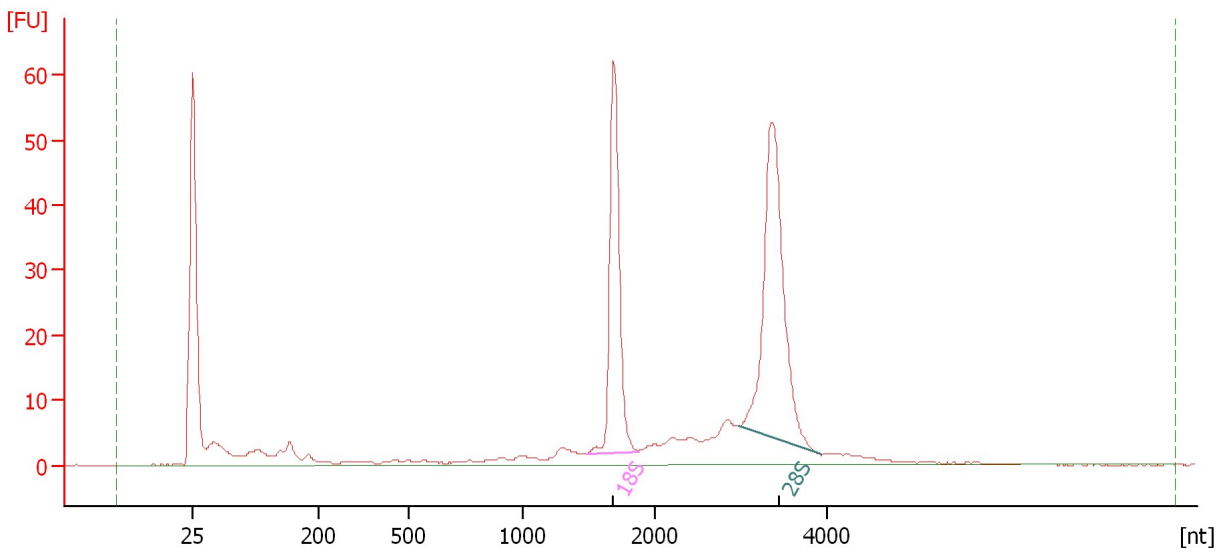
| | | | |
|--------------------|-------------|------------------------|--|
| RNA Area: | 332.5 | Result Flagging Color: | |
| RNA Concentration: | 1,000 pg/μl | Result Flagging Label: | All Other Samples |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary Continued ...

Sample 23 [HiSeq1301_RNA QC]



Overall Results for sample 1 : Sample 23

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 332.8 | RNA Integrity Number (RIN): | 9.7 (B.02.08) |
| RNA Concentration: | 1,001 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.5 | Result Flagging Label: | RIN: 9.70 |

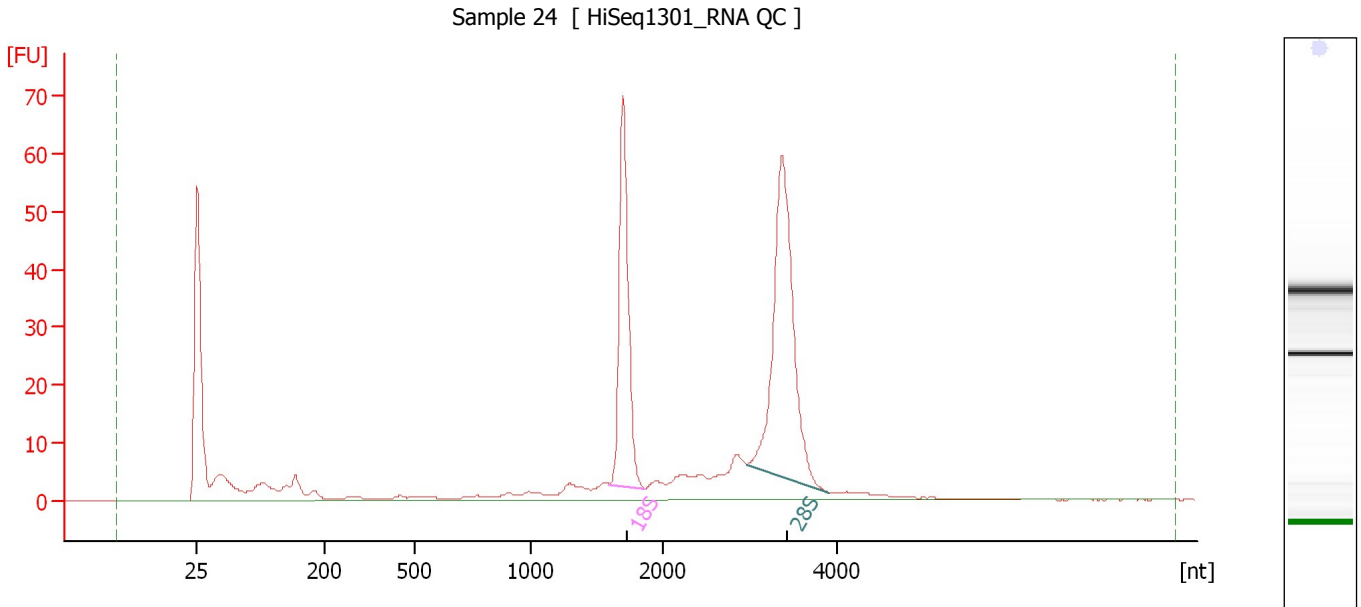
Fragment table for sample 1 : Sample 23

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,486 | 1,880 | 70.3 | 21.1 |
| 28S | 2,984 | 3,925 | 103.0 | 30.9 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
 Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 24

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 362.3 | RNA Integrity Number (RIN): | 9.6 (B.02.08) |
| RNA Concentration: | 1,090 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.5 | Result Flagging Label: | RIN: 9.60 |

Fragment table for sample 2 : Sample 24

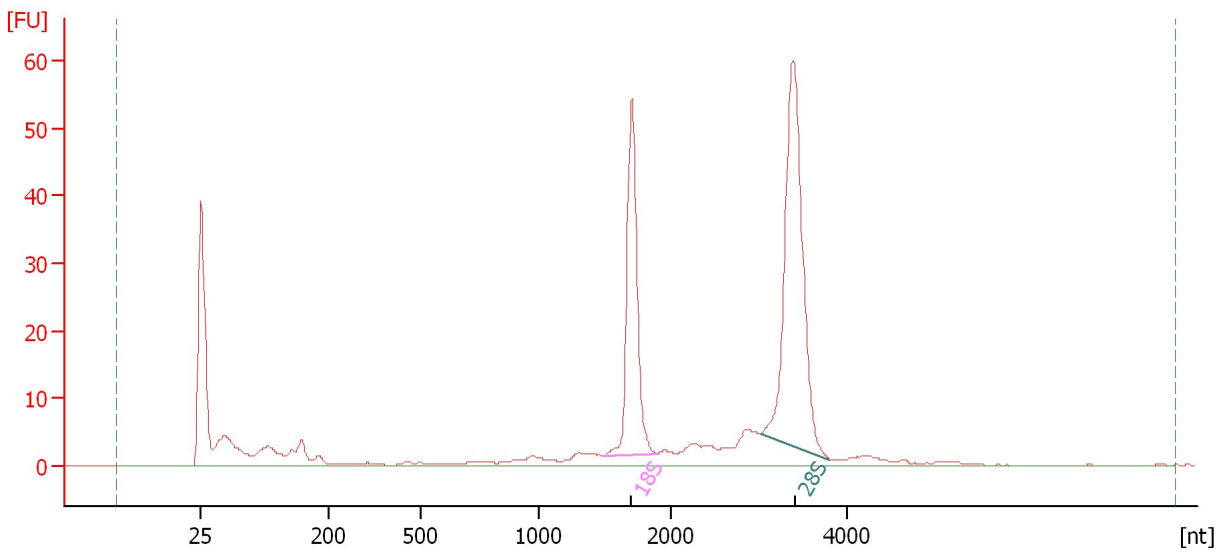
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,598 | 1,867 | 76.6 | 21.1 |
| 28S | 2,966 | 3,924 | 116.0 | 32.0 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary Continued ...

Sample 25 [HiSeq1301_RNA QC]



Overall Results for sample 3 : Sample 25

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 306.3 | RNA Integrity Number (RIN): | 9.8 (B.02.08) |
| RNA Concentration: | 921 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.6 | Result Flagging Label: | RIN: 9.80 |

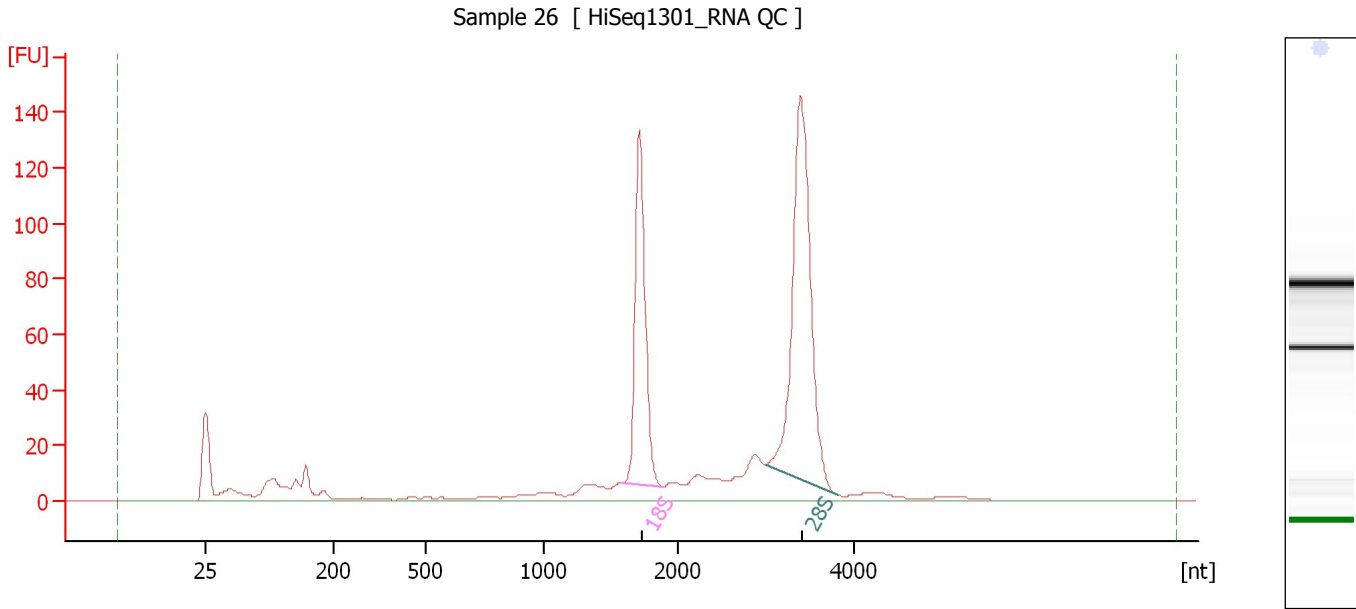
Fragment table for sample 3 : Sample 25

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,499 | 1,910 | 65.3 | 21.3 |
| 28S | 3,022 | 3,813 | 107.0 | 34.9 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 26

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 760.3 | RNA Integrity Number (RIN): | 9.6 (B.02.08) |
| RNA Concentration: | 2,287 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.6 | Result Flagging Label: | RIN: 9.60 |

Fragment table for sample 4 : Sample 26

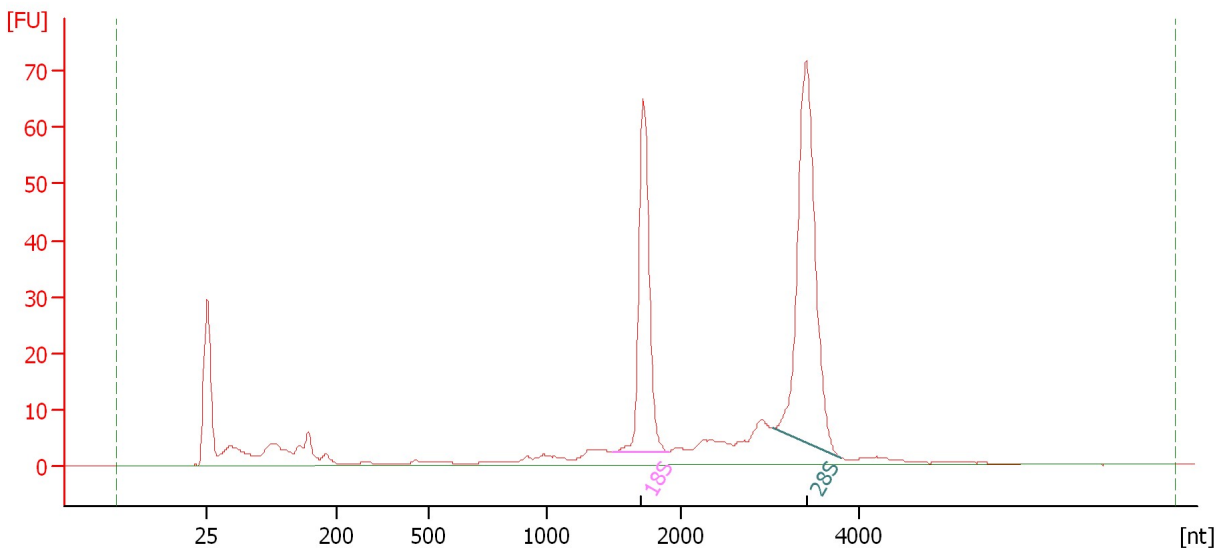
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,584 | 1,888 | 160.6 | 21.1 |
| 28S | 3,006 | 3,804 | 262.3 | 34.5 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary Continued ...

Sample 27 [HiSeq1301_RNA QC]



Overall Results for sample 5 : Sample 27

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 376.4 | RNA Integrity Number (RIN): | 9.6 (B.02.08) |
| RNA Concentration: | 1,132 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.6 | Result Flagging Label: | RIN: 9.60 |

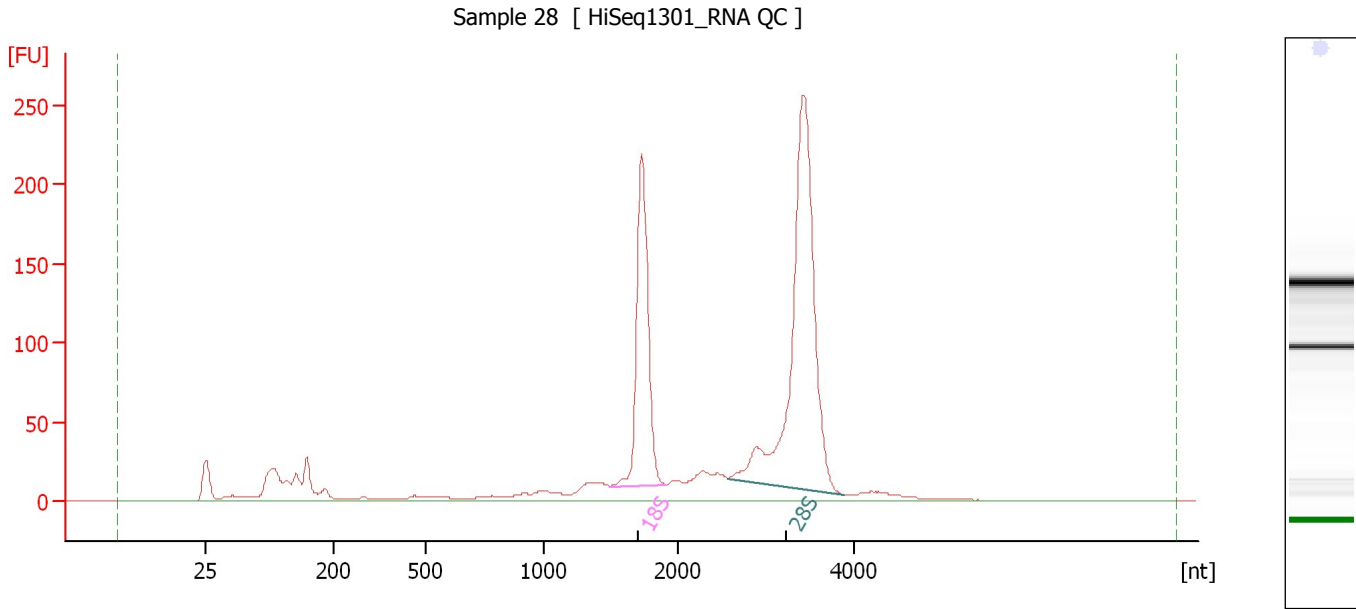
Fragment table for sample 5 : Sample 27

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,499 | 1,906 | 78.2 | 20.8 |
| 28S | 3,039 | 3,798 | 124.0 | 32.9 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 28

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 1,446.9 | RNA Integrity Number (RIN): | 9.8 (B.02.08) |
| RNA Concentration: | 4,352 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.0 | Result Flagging Label: | RIN: 9.80 |

Fragment table for sample 6 : Sample 28

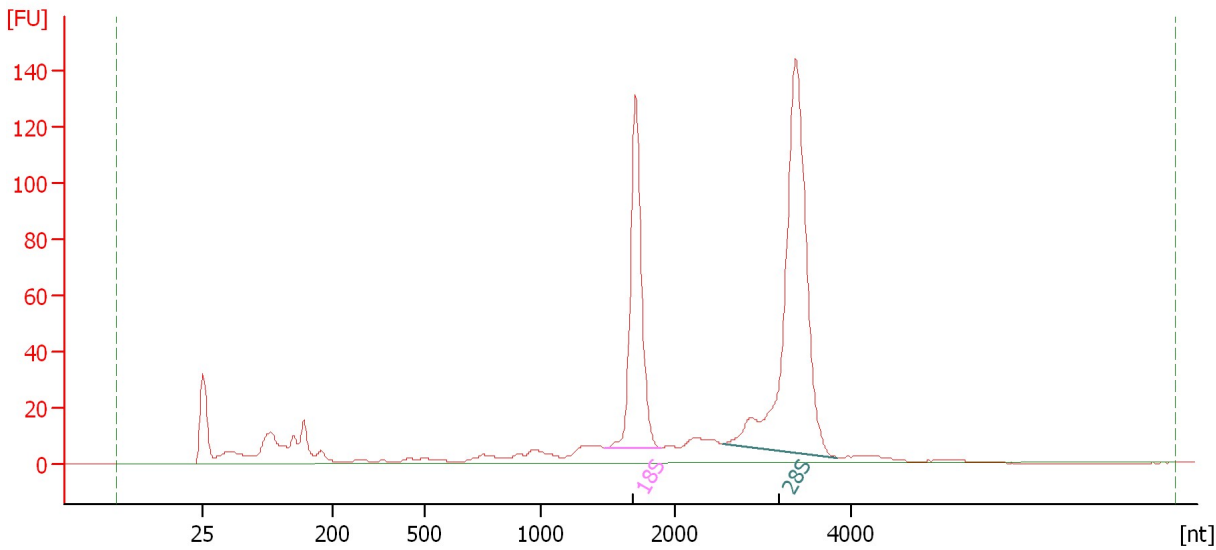
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,496 | 1,913 | 291.8 | 20.2 |
| 28S | 2,570 | 3,889 | 581.6 | 40.2 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary Continued ...

Sample 29 [HiSeq1301_RNA QC]



Overall Results for sample 7 : Sample 29

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 826.4 | RNA Integrity Number (RIN): | 9.7 (B.02.08) |
| RNA Concentration: | 2,486 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.9 | Result Flagging Label: | RIN: 9.70 |

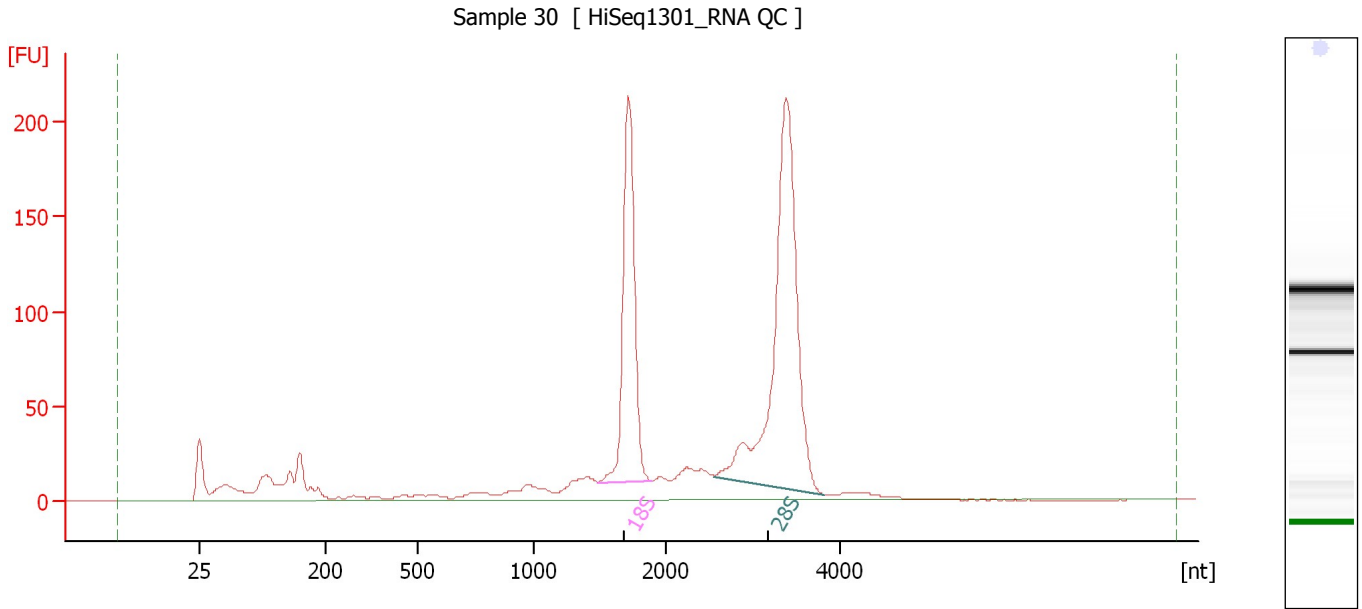
Fragment table for sample 7 : Sample 29

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,478 | 1,896 | 172.0 | 20.8 |
| 28S | 2,558 | 3,843 | 319.5 | 38.7 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 30

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 1,337.7 | RNA Integrity Number (RIN): | 9.5 (B.02.08) |
| RNA Concentration: | 4,023 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.8 | Result Flagging Label: | RIN: 9.50 |

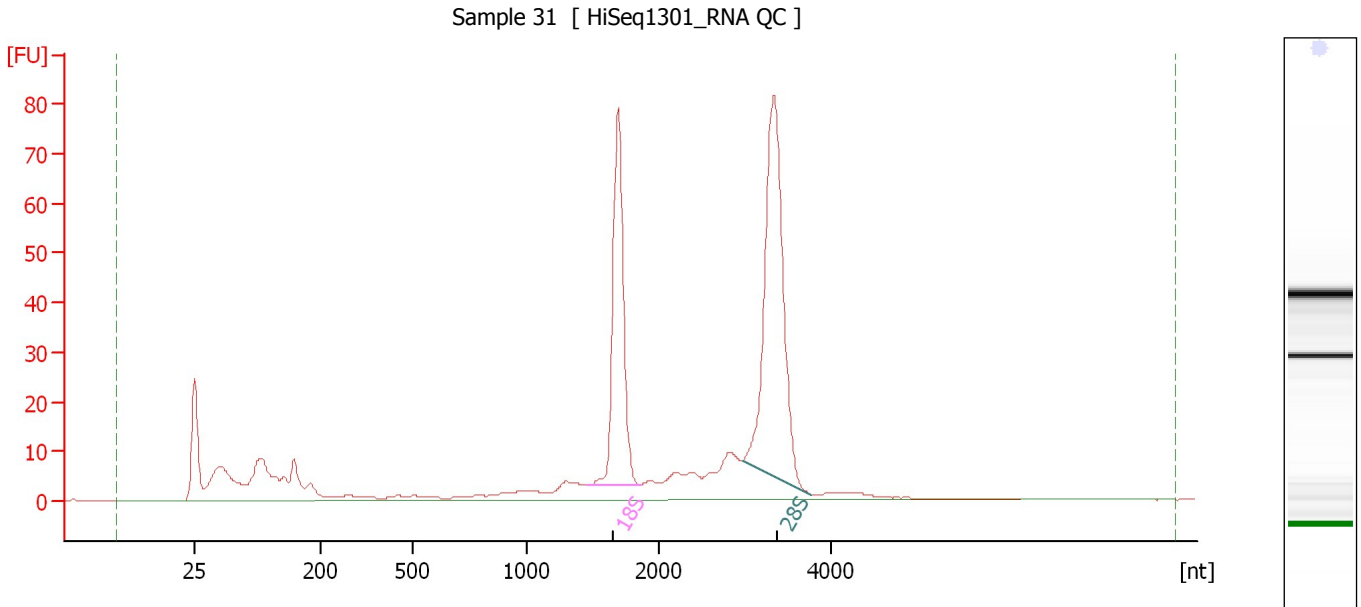
Fragment table for sample 8 : Sample 30

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,494 | 1,892 | 283.7 | 21.2 |
| 28S | 2,560 | 3,823 | 497.7 | 37.2 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
 Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 31

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 500.7 | RNA Integrity Number (RIN): | 9.5 (B.02.08) |
| RNA Concentration: | 1,506 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.5 | Result Flagging Label: | RIN: 9.50 |

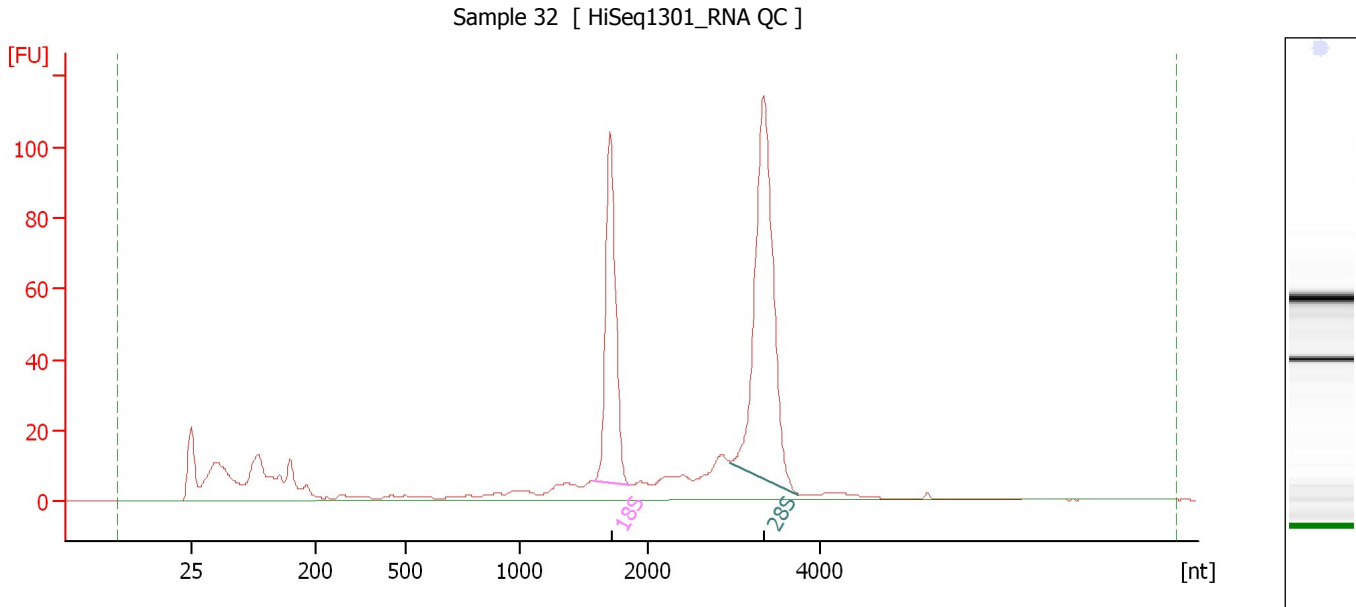
Fragment table for sample 9 : Sample 31

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,457 | 1,865 | 99.3 | 19.8 |
| 28S | 2,969 | 3,758 | 151.3 | 30.2 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 32

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 698.1 | RNA Integrity Number (RIN): | 9.4 (B.02.08) |
| RNA Concentration: | 2,100 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.7 | Result Flagging Label: | RIN: 9.40 |

Fragment table for sample 10 : Sample 32

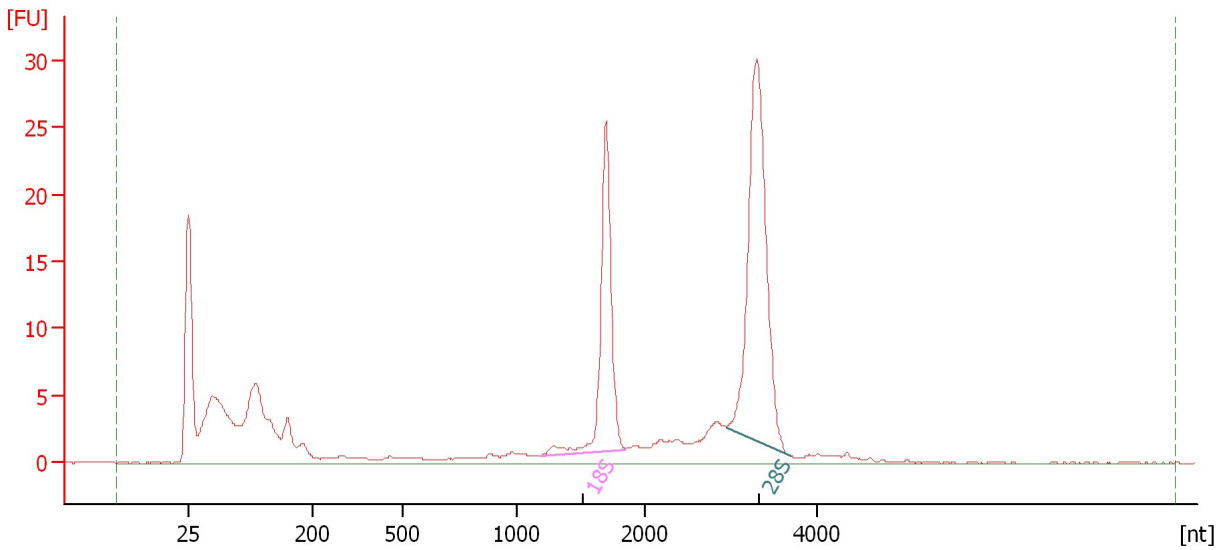
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,580 | 1,861 | 127.4 | 18.2 |
| 28S | 2,950 | 3,748 | 212.1 | 30.4 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
 Modified: 2/26/2018 12:11:36 PM

Electropherogram Summary Continued ...

Sample 33 [HiSeq1301_RNA QC]



Overall Results for sample 11 : Sample 33

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 208.0 | RNA Integrity Number (RIN): | 9.6 (B.02.08) |
| RNA Concentration: | 626 µg/µl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.7 | Result Flagging Label: | RIN: 9.60 |

Fragment table for sample 11 : Sample 33

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,190 | 1,844 | 33.4 | 16.1 |
| 28S | 2,939 | 3,689 | 55.8 | 26.8 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-26\2018-02-26_001.xad

Created: 2/26/2018 11:48:43 AM
Modified: 2/26/2018 12:11:36 PM

Gel Image

