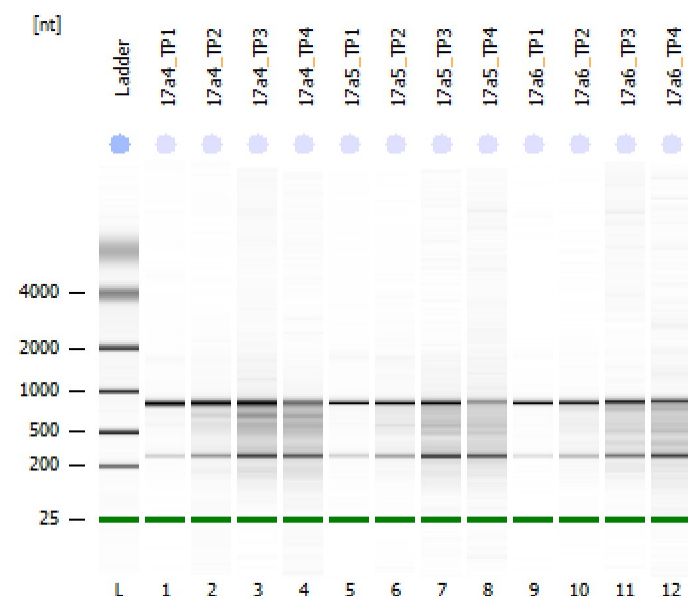


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
Modified: 12/2/2020 3:36:05 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72901420

Firmware: C.01.069

Serial#: DE72901420

Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)

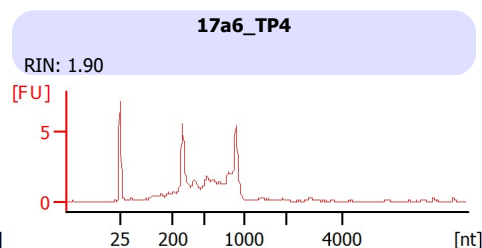
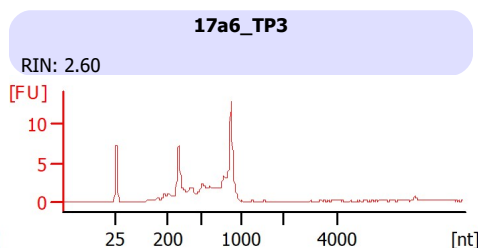
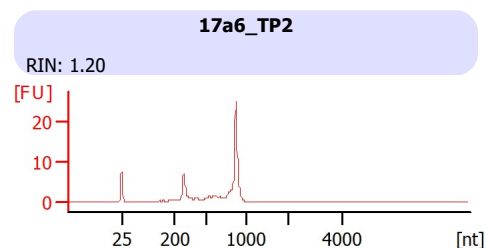
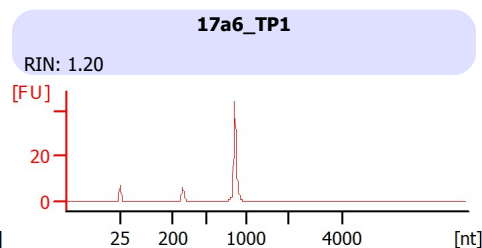
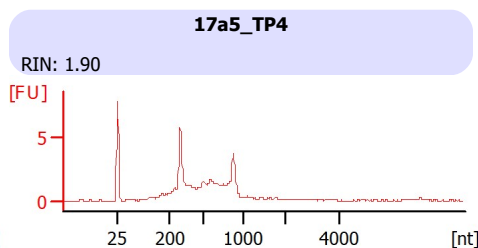
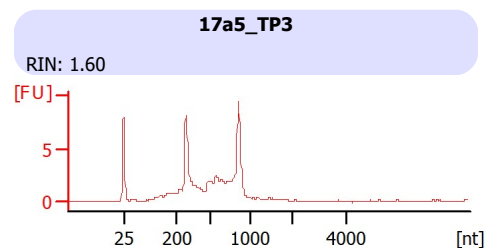
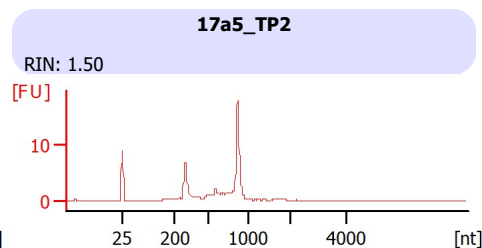
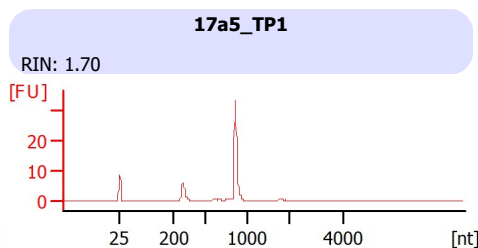
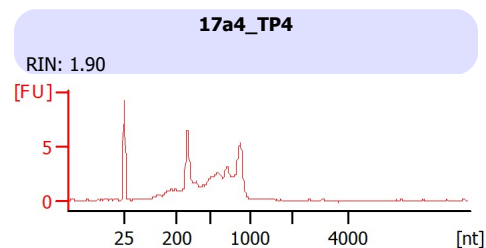
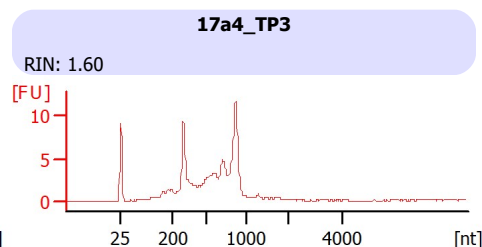
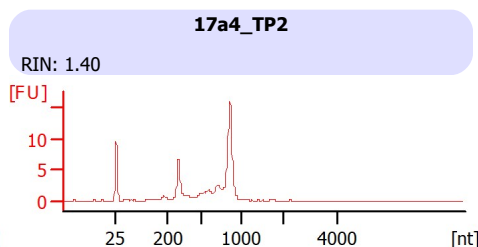
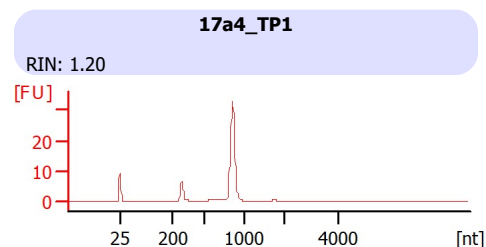
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
Modified: 12/2/2020 3:36:05 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Stat Result Label | Result Color |
|-------------|----------------|---------------------|--------------|
| 17a4_TP1 | | ✓ RIN: 1.20 | |
| 17a4_TP2 | | ✓ RIN: 1.40 | |
| 17a4_TP3 | | ✓ RIN: 1.60 | |
| 17a4_TP4 | | ✓ RIN: 1.90 | |
| 17a5_TP1 | | ✓ RIN: 1.70 | |
| 17a5_TP2 | | ✓ RIN: 1.50 | |
| 17a5_TP3 | | ✓ RIN: 1.60 | |
| 17a5_TP4 | | ✓ RIN: 1.90 | |
| 17a6_TP1 | | ✓ RIN: 1.20 | |
| 17a6_TP2 | | ✓ RIN: 1.20 | |
| 17a6_TP3 | | ✓ RIN: 2.60 | |
| 17a6_TP4 | | ✓ RIN: 1.90 | |
| Ladder | | ✓ All Other Samples | |

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
Modified: 12/2/2020 3:36:05 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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ l] : 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

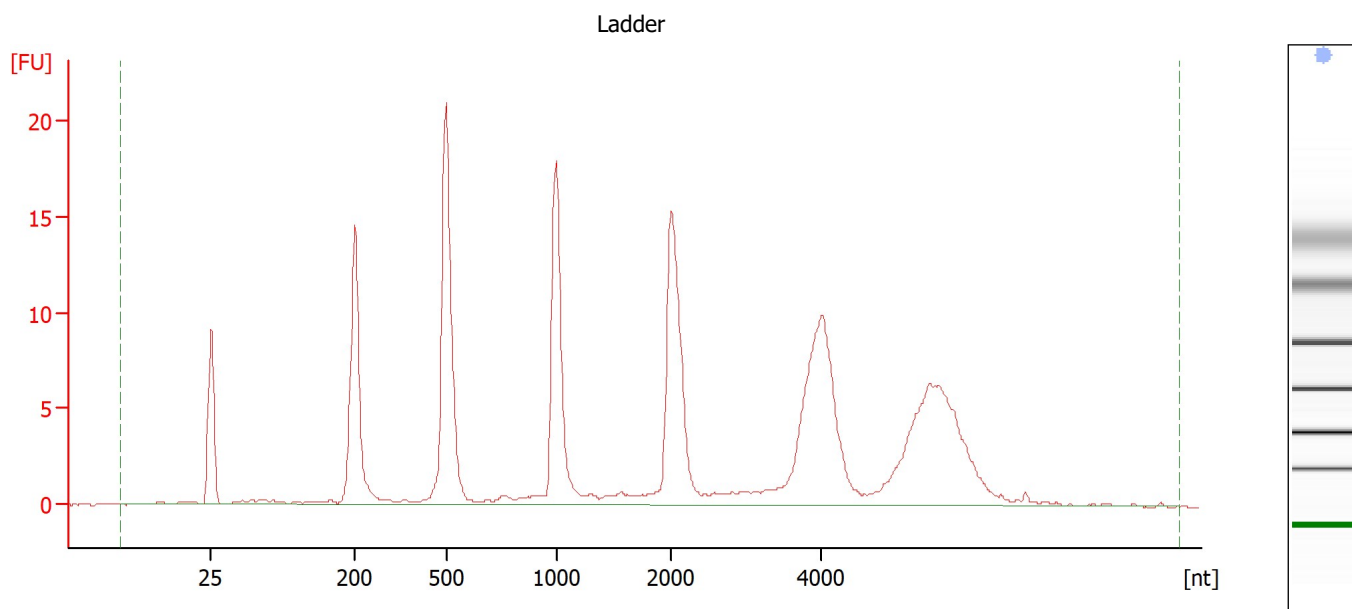
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 188.4

Result Flagging Color:



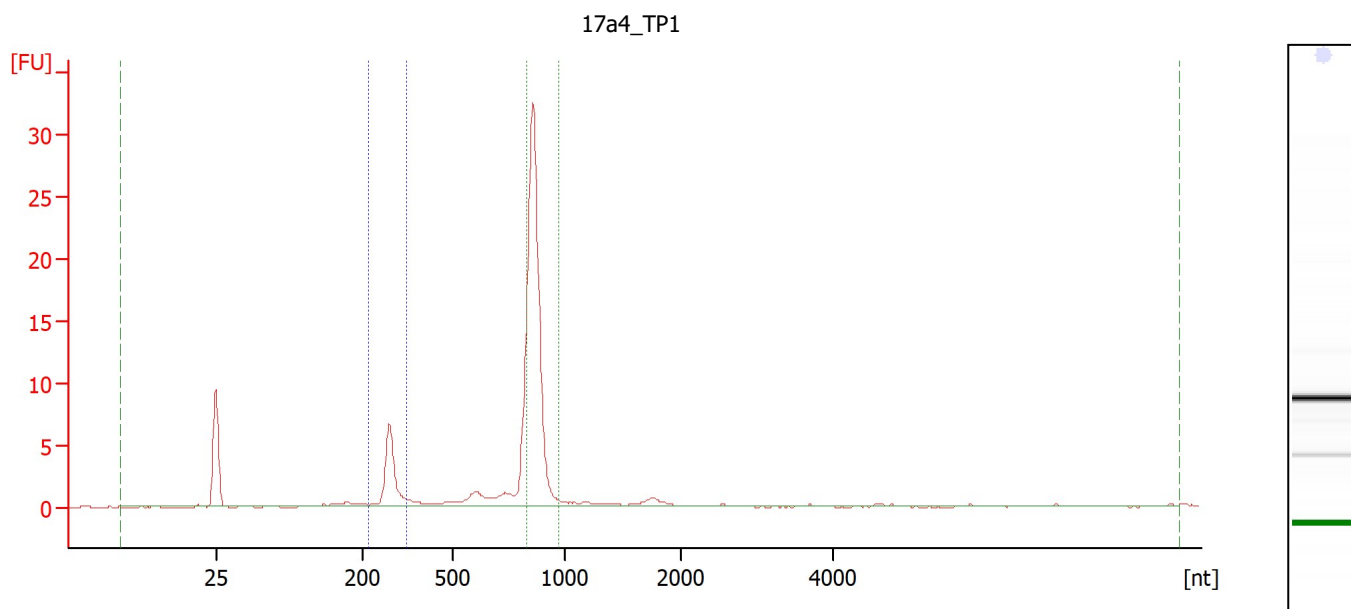
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 17a4 TP1**

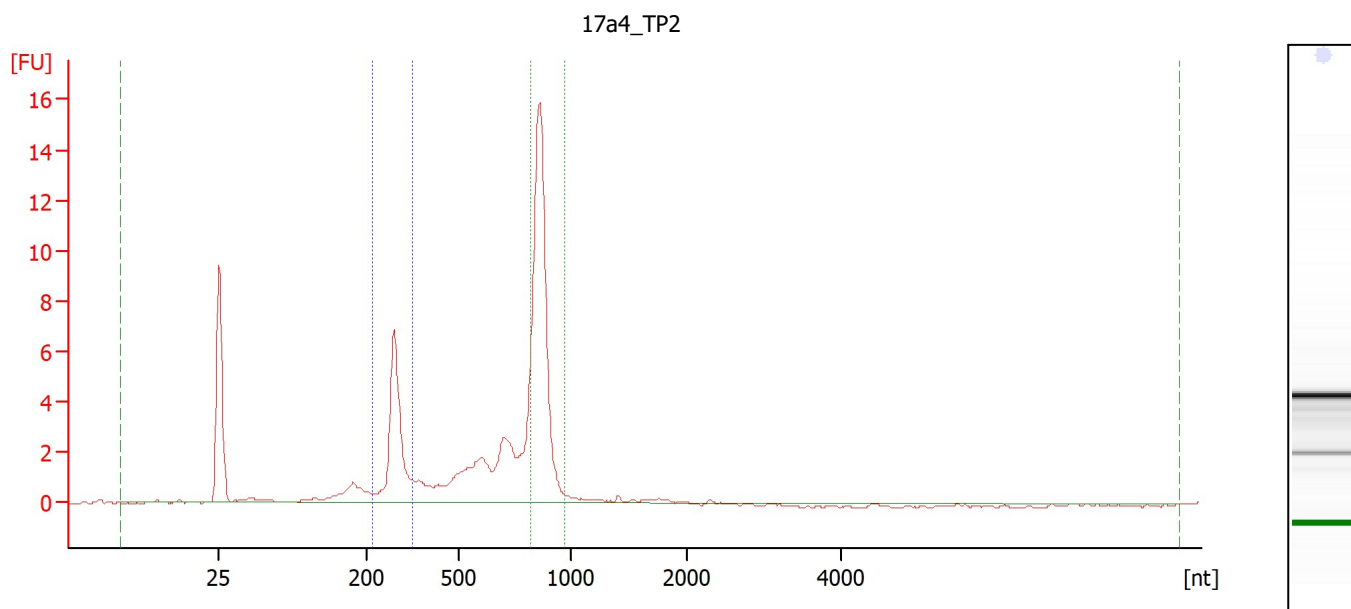
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 79.7 | Result Flagging Color: | |
| RNA Concentration: | 63 ng/μl | Result Flagging Label: | RIN: 1.20 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 10.6 |
| RNA Integrity Number (RIN): | 1.2 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 51.1 |

Region table for sample 1 : 17a4 TP1

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 10.6 | 13 | |
| Region 2 | 825 | 975 | 51.1 | 64 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 17a4_TP2**

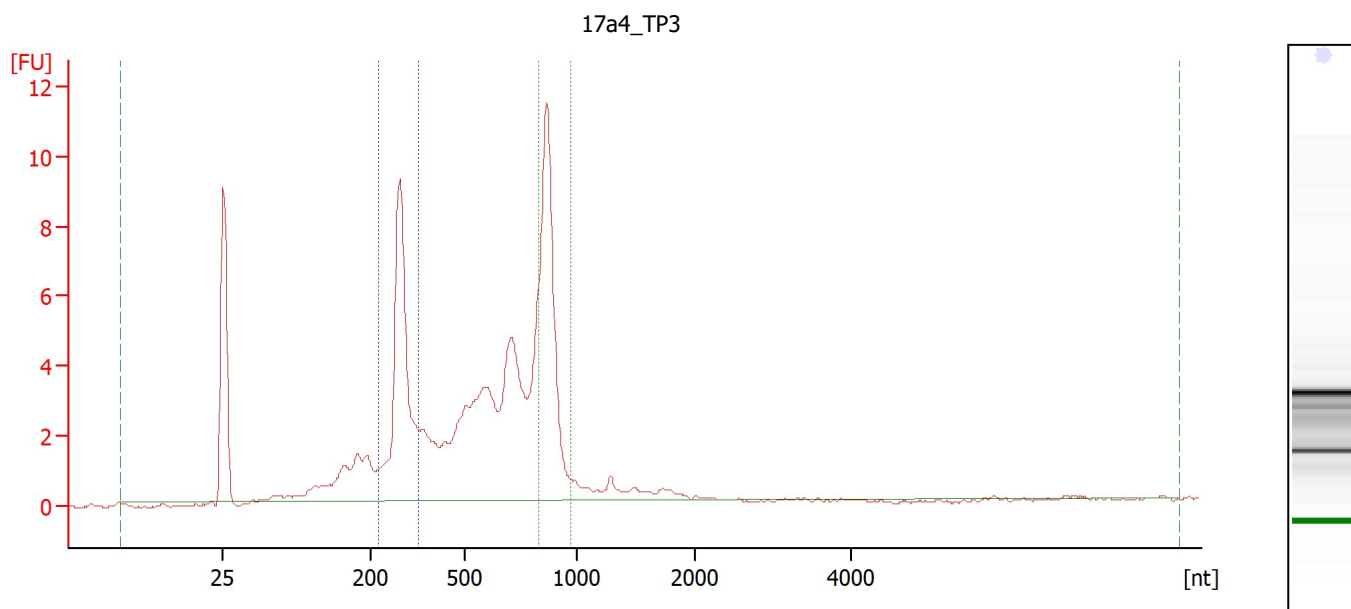
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 68.6 | Result Flagging Color: | |
| RNA Concentration: | 55 ng/μl | Result Flagging Label: | RIN: 1.40 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 12.4 |
| RNA Integrity Number (RIN): | 1.4 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 27.1 |

Region table for sample 2 : 17a4_TP2

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 12.4 | 18 | |
| Region 2 | 825 | 975 | 27.1 | 39 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 17a4_TP3**

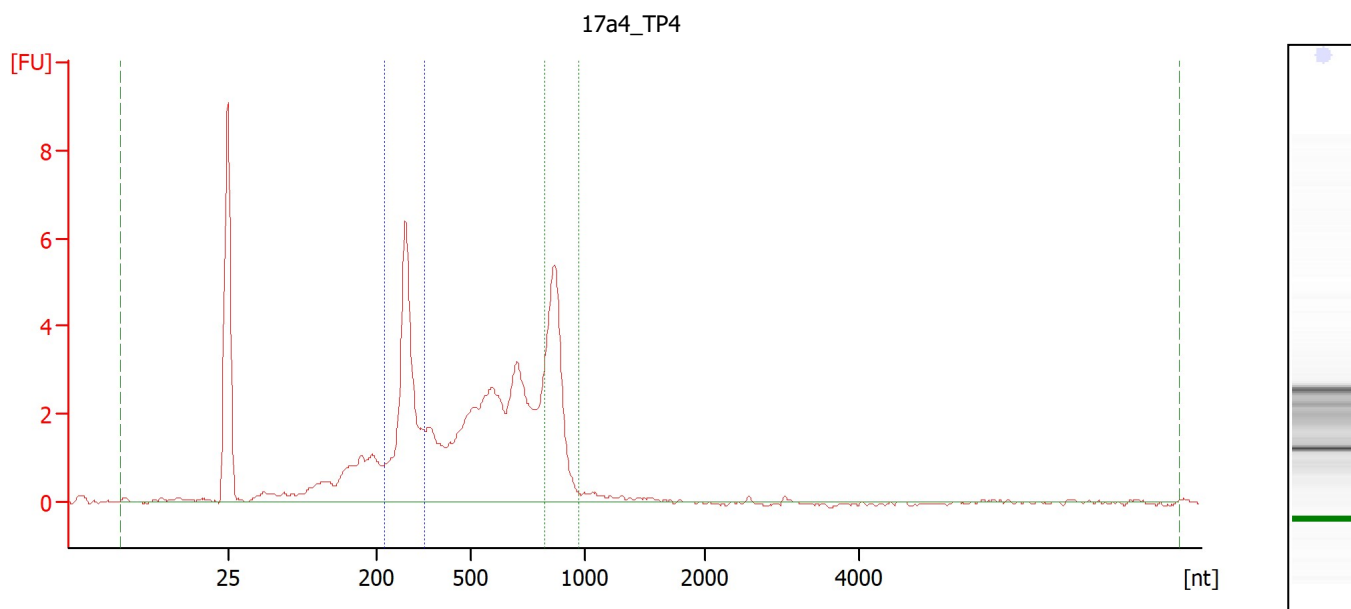
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 98.6 | Result Flagging Color: | |
| RNA Concentration: | 78 ng/μl | Result Flagging Label: | RIN: 1.60 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 19.6 |
| RNA Integrity Number (RIN): | 1.6 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 21.8 |

Region table for sample 3 : 17a4_TP3

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 19.6 | 20 | |
| Region 2 | 825 | 975 | 21.8 | 22 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 17a4_TP4**

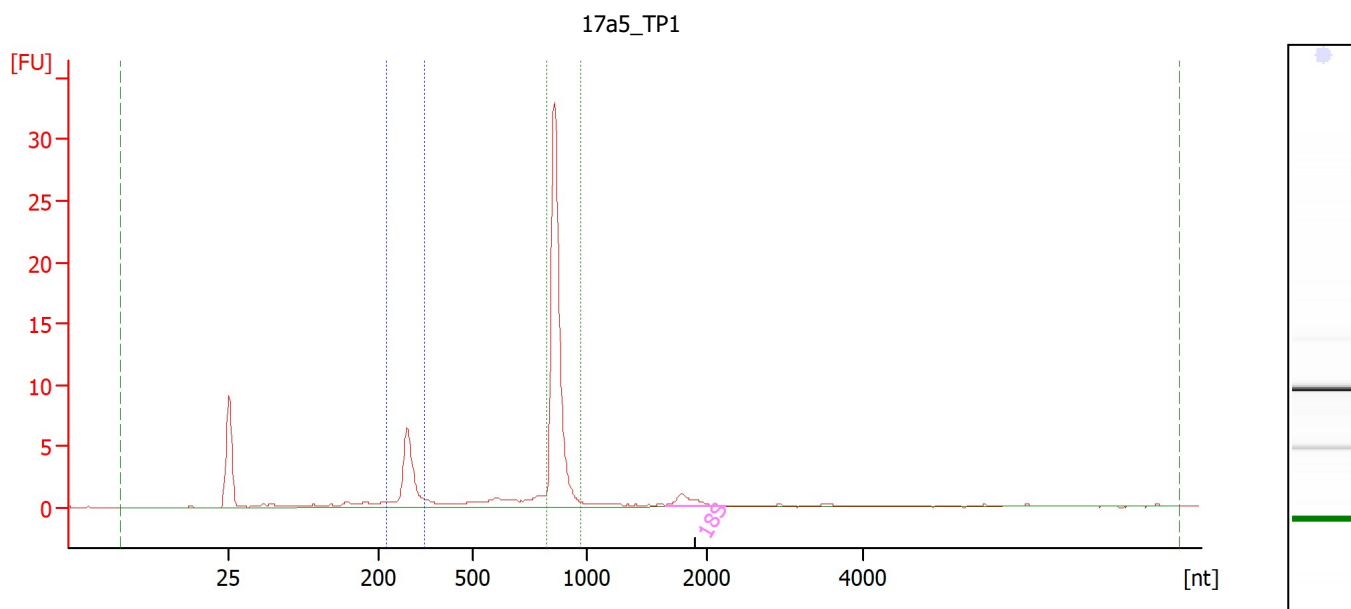
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 67.6 | Result Flagging Color: | |
| RNA Concentration: | 54 ng/μl | Result Flagging Label: | RIN: 1.90 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 14.1 |
| RNA Integrity Number (RIN): | 1.9 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 10.8 |

Region table for sample 4 : 17a4_TP4

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 14.1 | 21 | |
| Region 2 | 825 | 975 | 10.8 | 16 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 17a5_TP1**

| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 65.8 | Result Flagging Color: | |
| RNA Concentration: | 52 ng/μl | Result Flagging Label: | RIN: 1.70 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 11.2 |
| RNA Integrity Number (RIN): | 1.7 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 36.7 |

Fragment table for sample 5 : 17a5_TP1

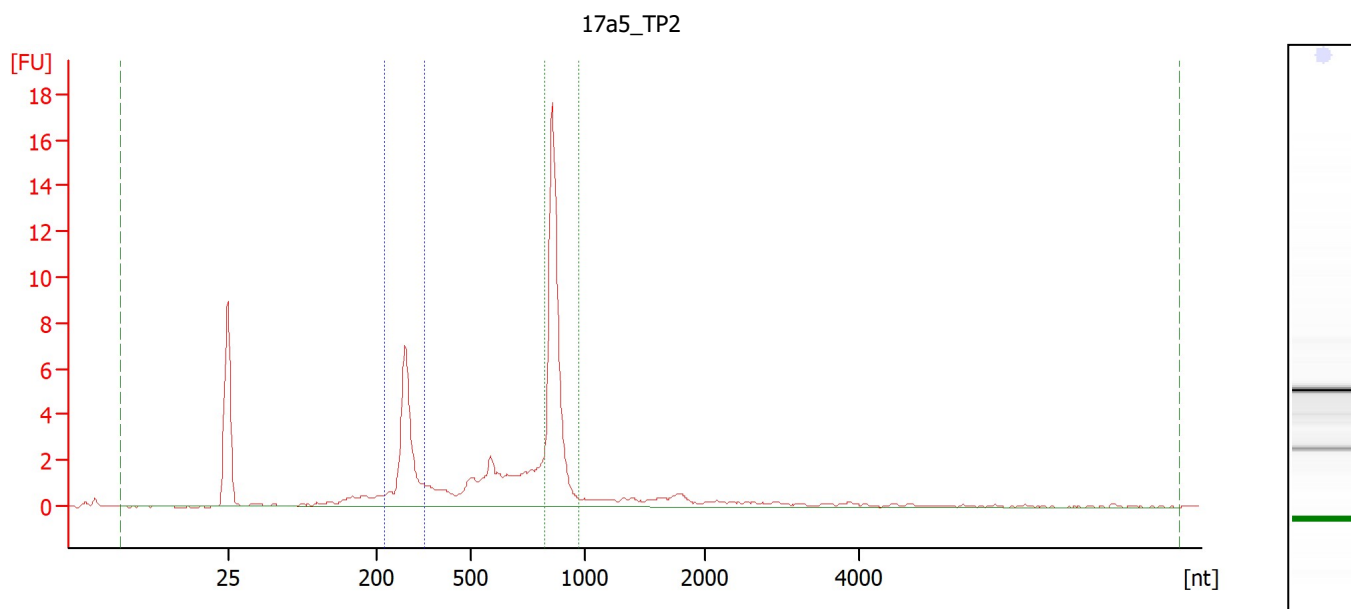
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,656 | 2,240 | 1.9 | 2.9 |

Region table for sample 5 : 17a5_TP1

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 11.2 | 17 | |
| Region 2 | 825 | 975 | 36.7 | 56 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 17a5_TP2**

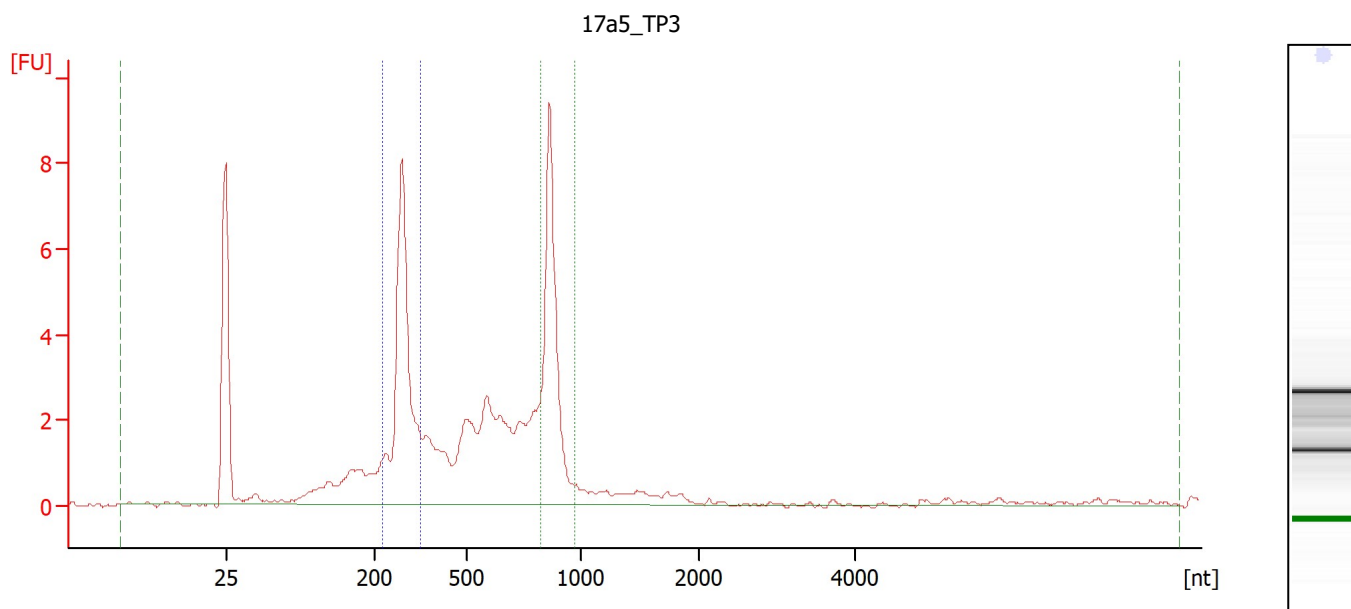
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 64.7 | Result Flagging Color: | |
| RNA Concentration: | 51 ng/μl | Result Flagging Label: | RIN: 1.50 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 12.8 |
| RNA Integrity Number (RIN): | 1.5 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 22.5 |

Region table for sample 6 : 17a5_TP2

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 12.8 | 20 | |
| Region 2 | 825 | 975 | 22.5 | 35 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 17a5_TP3**

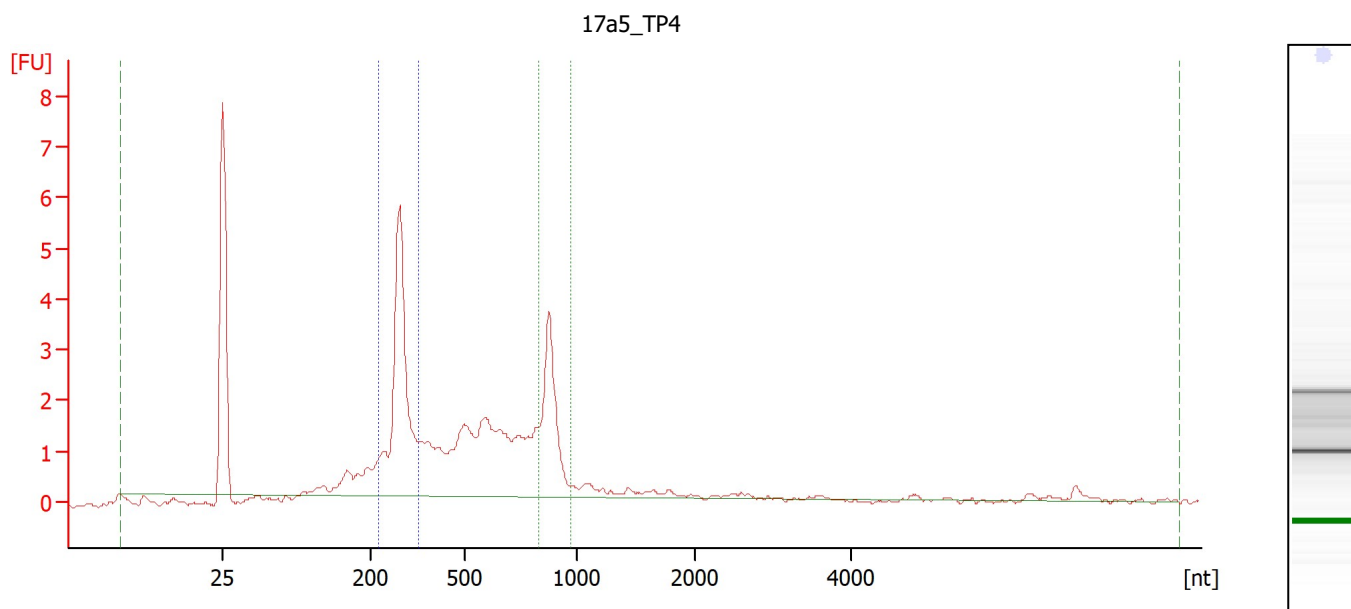
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 71.6 | Result Flagging Color: | |
| RNA Concentration: | 57 ng/μl | Result Flagging Label: | RIN: 1.60 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 17.4 |
| RNA Integrity Number (RIN): | 1.6 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 14.4 |

Region table for sample 7 : 17a5_TP3

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 17.4 | 24 | |
| Region 2 | 825 | 975 | 14.4 | 20 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 17a5 TP4**

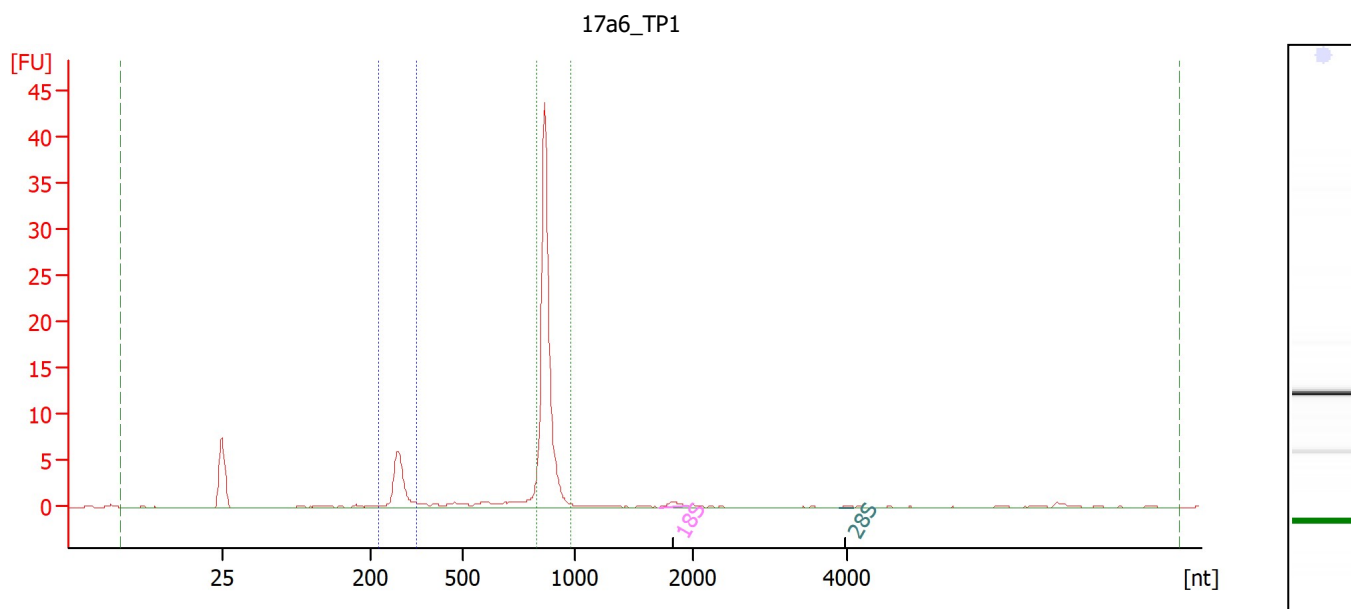
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 42.5 | Result Flagging Color: | |
| RNA Concentration: | 34 ng/μl | Result Flagging Label: | RIN: 1.90 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 11.9 |
| RNA Integrity Number (RIN): | 1.9 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 6.5 |

Region table for sample 8 : 17a5 TP4

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 11.9 | 28 | |
| Region 2 | 825 | 975 | 6.5 | 15 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 17a6_TP1**

| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 69.8 | Result Flagging Color: | |
| RNA Concentration: | 56 ng/μl | Result Flagging Label: | RIN: 1.20 |
| rRNA Ratio [28s / 18s]: | 0.2 | Corr. Area 1: | 9.9 |
| RNA Integrity Number (RIN): | 1.2 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 48.8 |

Fragment table for sample 9 : 17a6_TP1

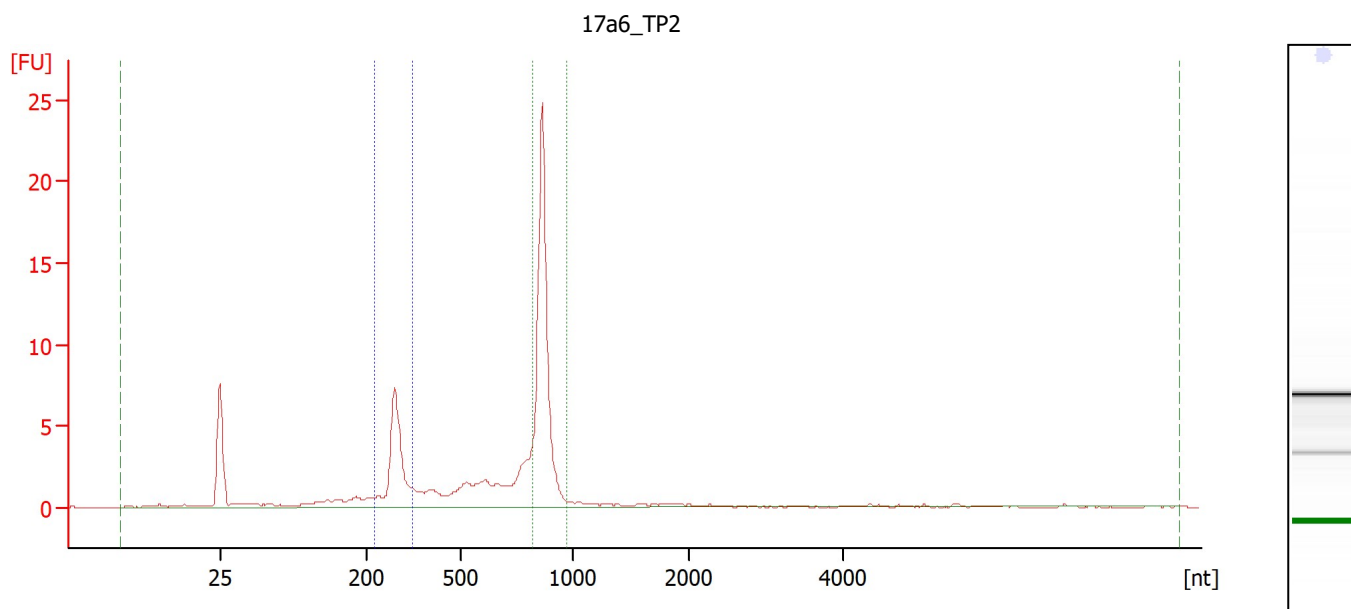
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,701 | 1,936 | 0.7 | 1.0 |
| 28S | 3,885 | 4,079 | 0.1 | 0.2 |

Region table for sample 9 : 17a6_TP1

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 9.9 | 14 | |
| Region 2 | 825 | 975 | 48.8 | 70 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 17a6_TP2**

| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 78.2 | Result Flagging Color: | |
| RNA Concentration: | 62 ng/μl | Result Flagging Label: | RIN: 1.20 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 14.0 |
| RNA Integrity Number (RIN): | 1.2 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 31.8 |

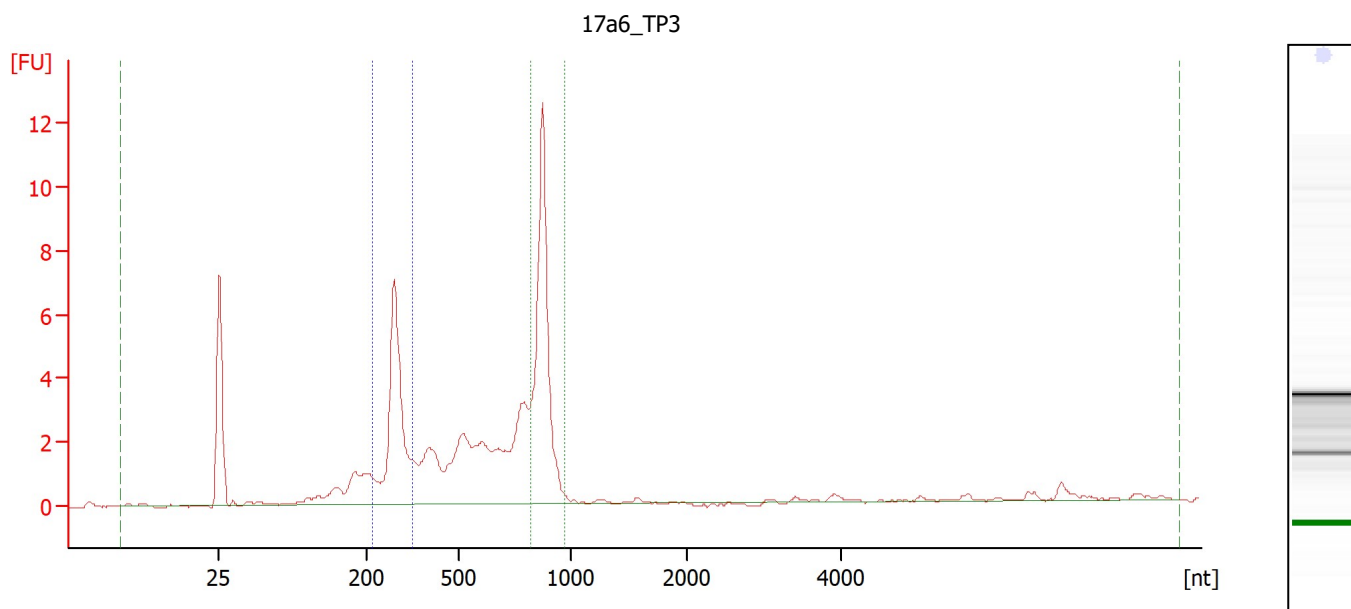
Region table for sample 10 : 17a6_TP2

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 14.0 | 18 | |
| Region 2 | 825 | 975 | 31.8 | 41 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 17a6_TP3

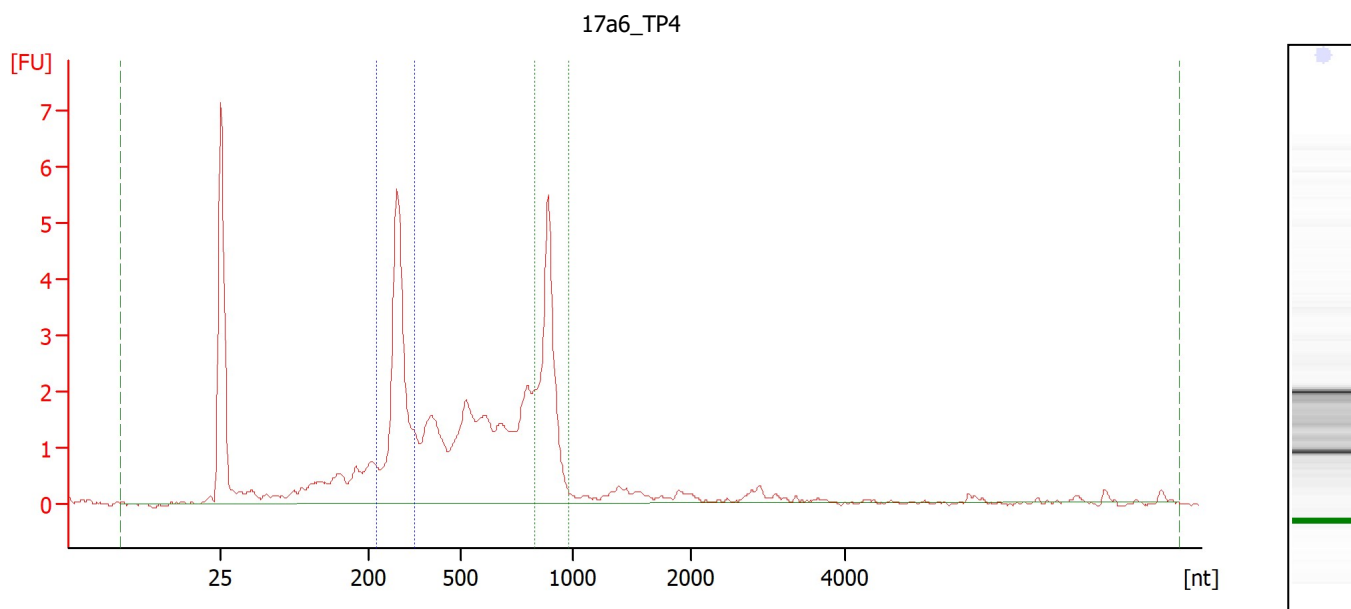
| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 69.2 | Result Flagging Color: | |
| RNA Concentration: | 55 ng/μl | Result Flagging Label: | RIN: 2.60 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 14.2 |
| RNA Integrity Number (RIN): | 2.6 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 18.5 |

Region table for sample 11 : 17a6_TP3

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 14.2 | 21 | |
| Region 2 | 825 | 975 | 18.5 | 27 | |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
 Modified: 12/2/2020 3:36:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : 17a6_TP4**

| | | | |
|-----------------------------|--|------------------------|---|
| RNA Area: | 54.3 | Result Flagging Color: | |
| RNA Concentration: | 43 ng/μl | Result Flagging Label: | RIN: 1.90 |
| rRNA Ratio [28s / 18s]: | 0.0 | Corr. Area 1: | 11.9 |
| RNA Integrity Number (RIN): | 1.9 (B.02.11, Anomaly Threshold(s) manually adapted) | Corr. Area 2: | 9.7 |

Region table for sample 12 : 17a6_TP4

| Name | From [nt] | To [nt] | Corr. Area | % of Total | Color |
|----------|-----------|---------|------------|------------|--|
| Region 1 | 225 | 350 | 11.9 | 22 | |
| Region 2 | 825 | 975 | 9.7 | 18 | |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-12-02\Eukaryote Total RNA Nano_2020-12-02_14-38-16.xad

Created: 12/2/2020 2:38:15 PM
Modified: 12/2/2020 3:36:05 PM

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