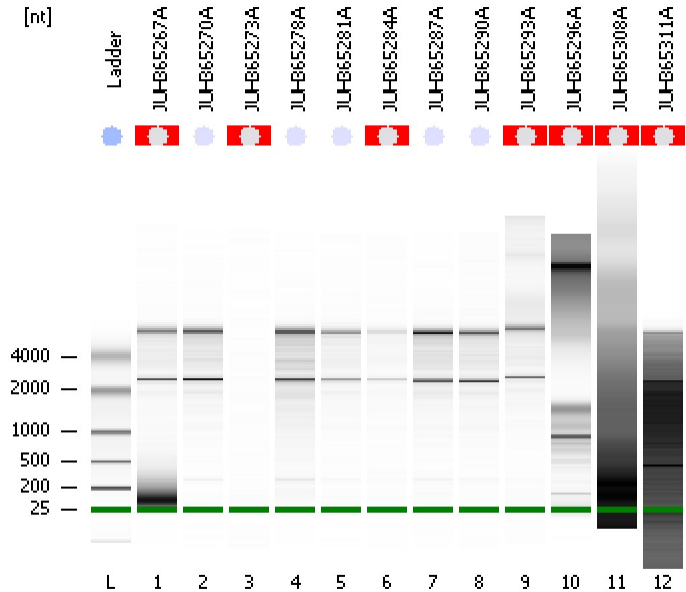


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

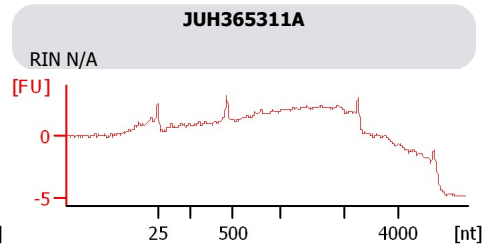
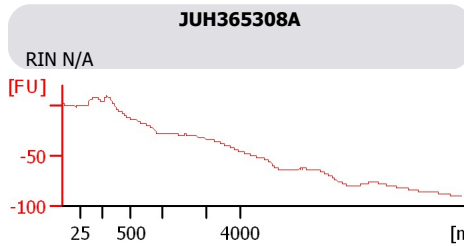
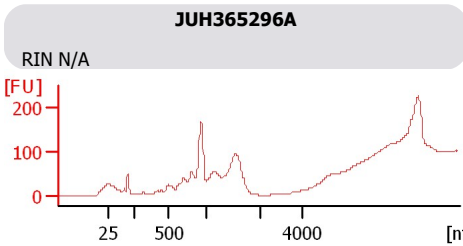
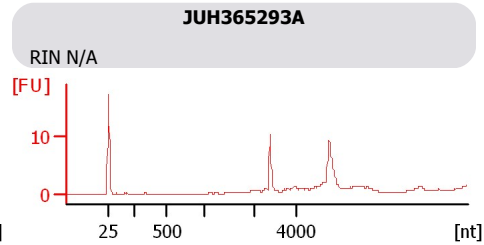
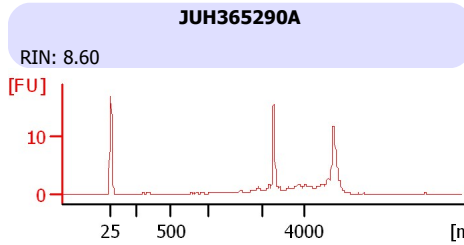
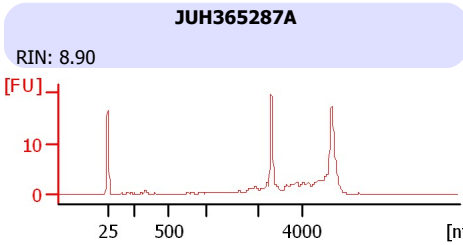
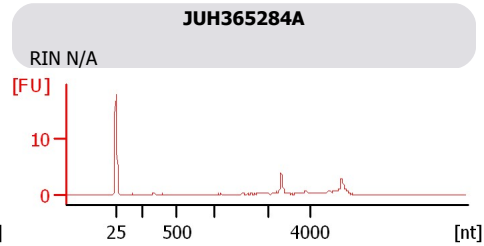
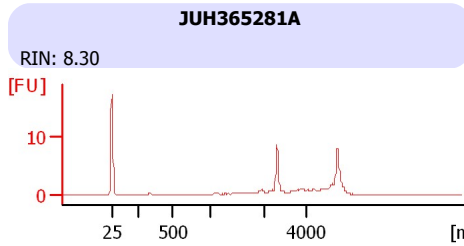
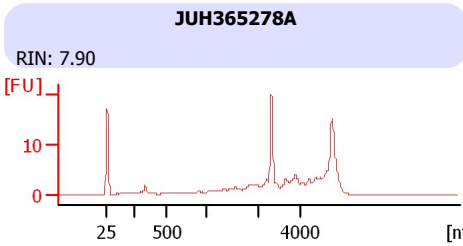
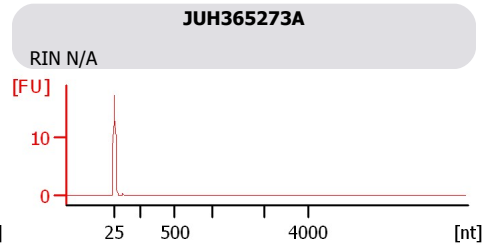
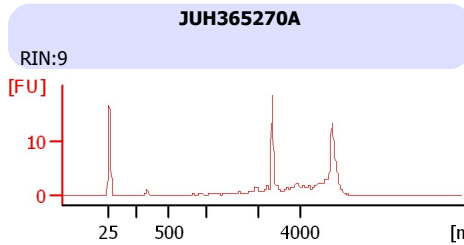
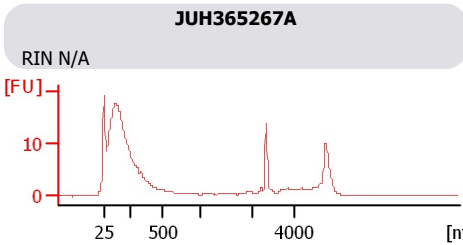
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

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:



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
 Modified: 5/29/2018 4:00:17 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
JUH365267A		✓	RIN N/A	
JUH365270A		✓	RIN:9	
JUH365273A		✓	RIN N/A	
JUH365278A		✓	RIN: 7.90	
JUH365281A		✓	RIN: 8.30	
JUH365284A		✓	RIN N/A	
JUH365287A		✓	RIN: 8.90	
JUH365290A		✓	RIN: 8.60	
JUH365293A		✓	RIN N/A	
JUH365296A		✓	RIN N/A	
JUH365308A		✓	RIN N/A	
JUH365311A		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 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

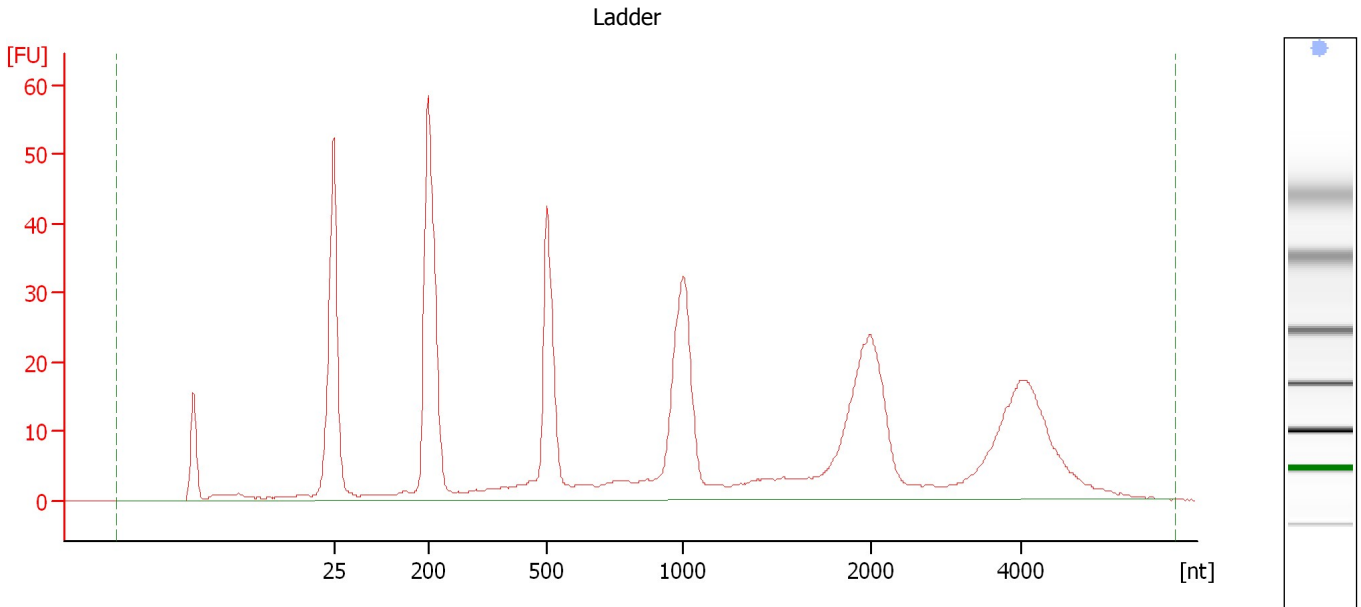
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary



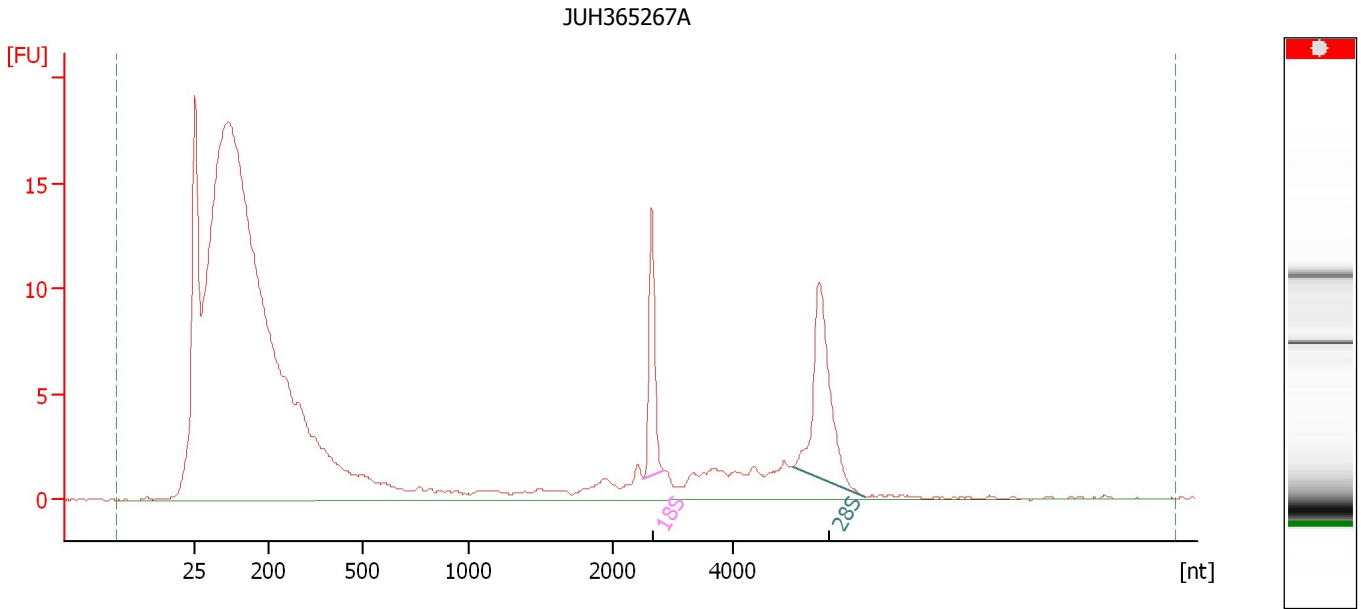
Overall Results for Ladder

RNA Area:	526.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
 Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : JUH365267A

RNA Area:	289.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	83 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN N/A

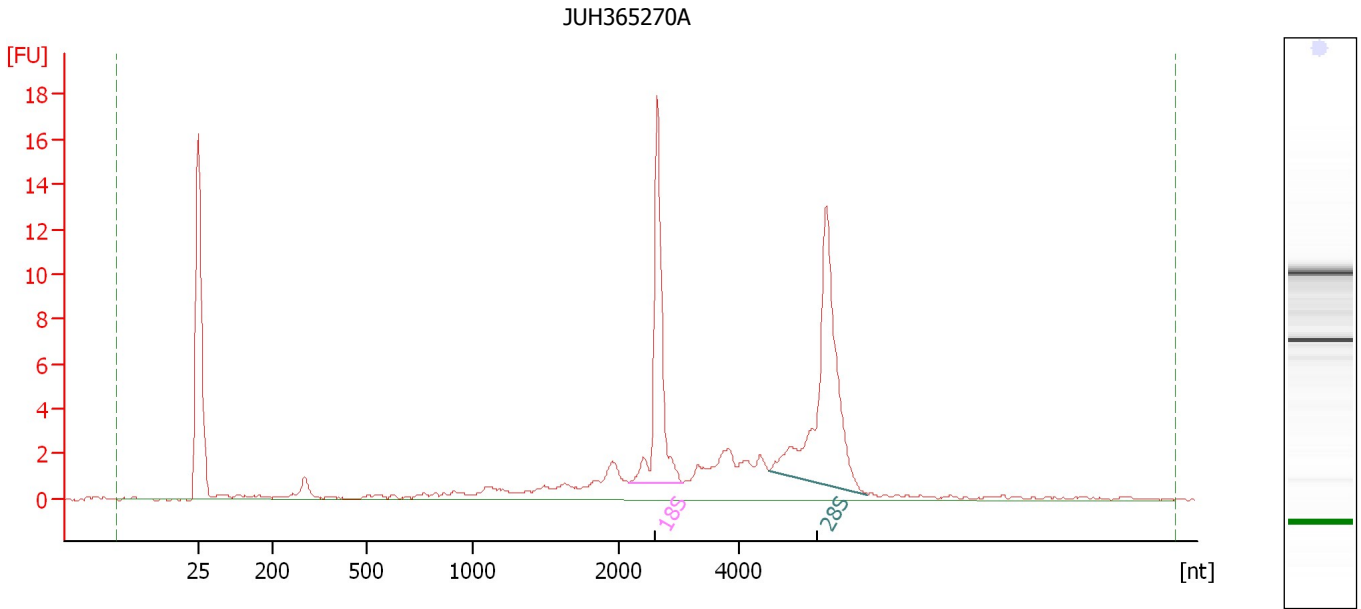
Fragment table for sample 1 : JUH365267A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,506	2,830	9.4	3.3
28S	5,031	6,240	15.7	5.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : JUH365270A

RNA Area: 84.1 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 24 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN:9

Fragment table for sample 2 : JUH365270A

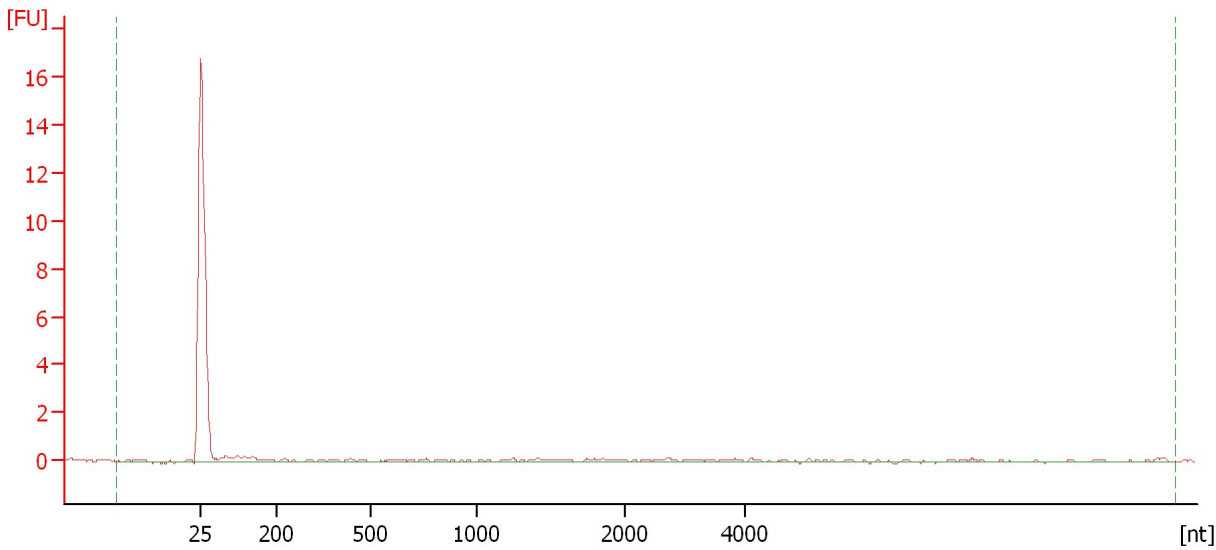
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,152	3,048	15.8	18.8
28S	4,518	6,149	23.9	28.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...

JUH365273A



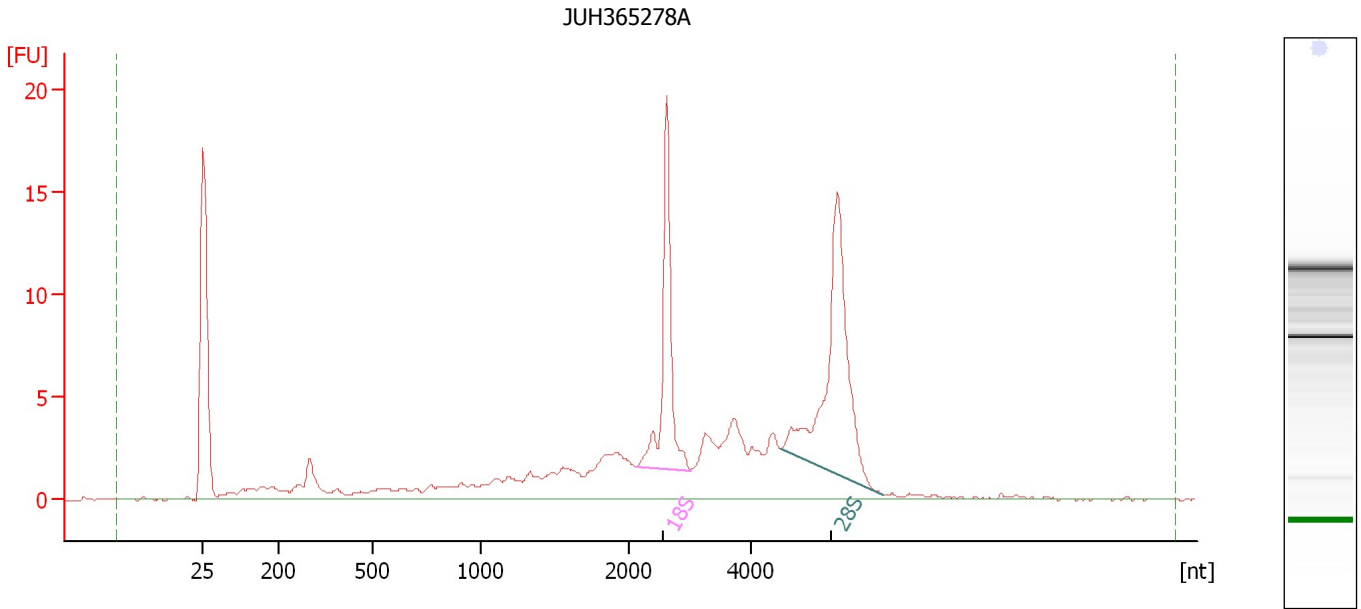
Overall Results for sample 3 : JUH365273A

RNA Area:	4.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : JUH365278A

RNA Area:	134.5	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	38 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 7.90

Fragment table for sample 4 : JUH365278A

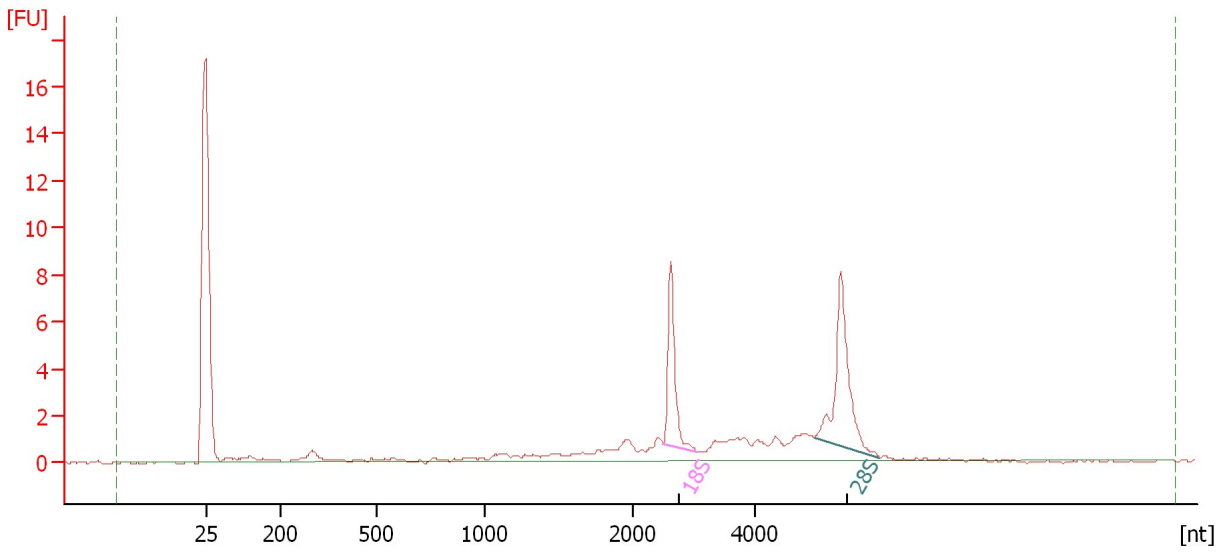
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,111	3,015	18.1	13.5
28S	4,522	6,207	28.2	21.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...

JUH365281A



Overall Results for sample 5 : JUH365281A

RNA Area: 44.6 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 13 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.30

Fragment table for sample 5 : JUH365281A

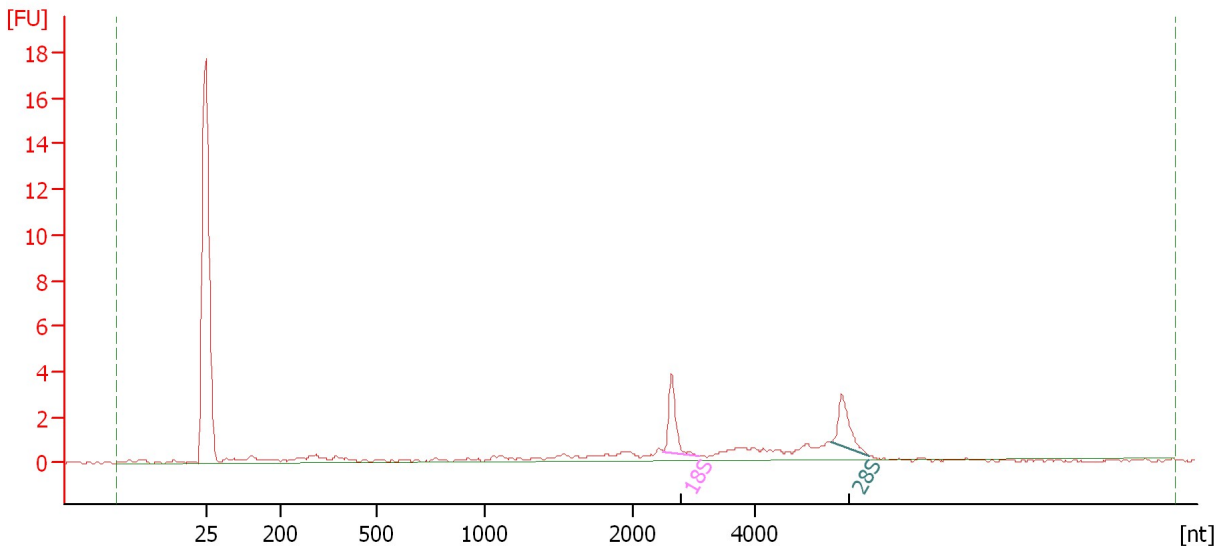
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,487	3,034	6.5	14.7
28S	4,994	6,071	9.6	21.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...

JUH365284A



Overall Results for sample 6 : JUH365284A

RNA Area: 23.6 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 7 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN N/A

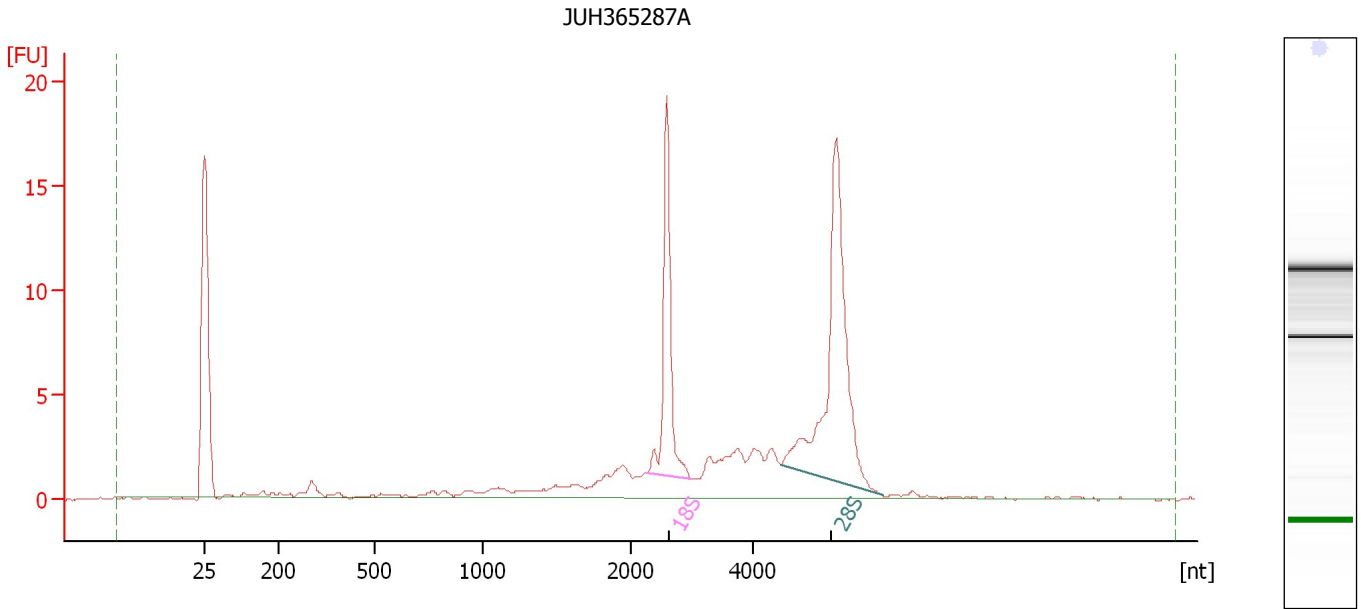
Fragment table for sample 6 : JUH365284A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,487	3,069	2.9	12.2
28S	5,259	5,877	2.7	11.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : JUH365287A

RNA Area: 96.2 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 27 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 8.90

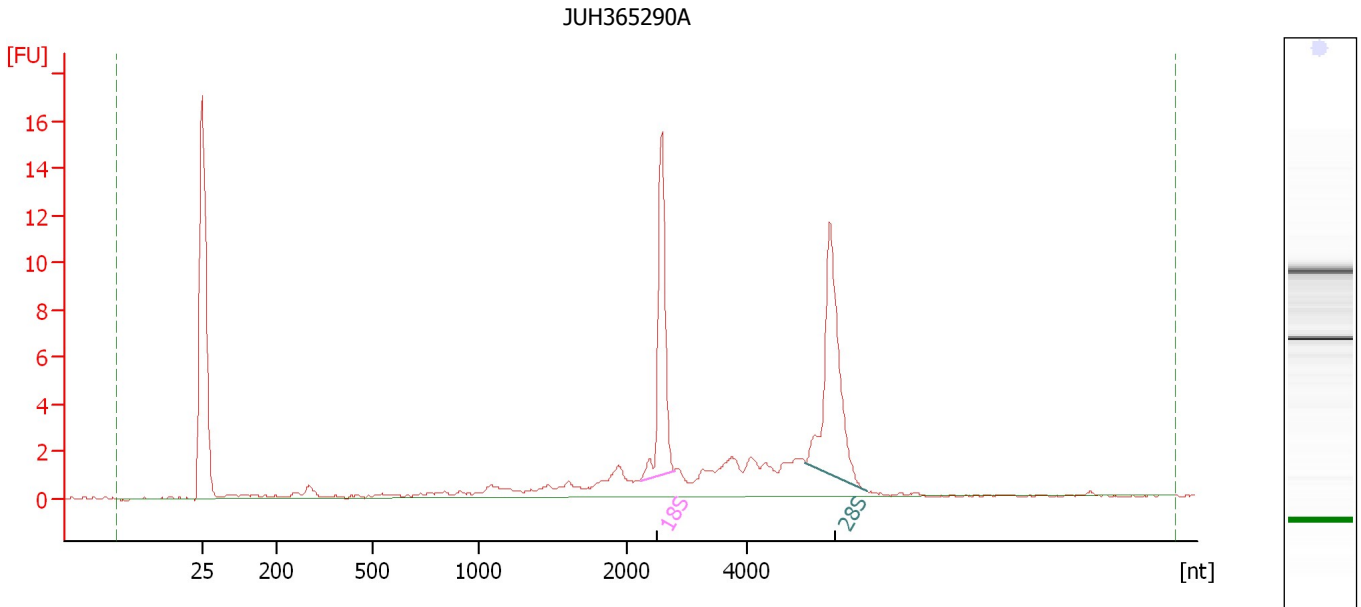
Fragment table for sample 7 : JUH365287A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,255	2,998	16.2	16.8
28S	4,467	6,148	29.9	31.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : JUH365290A

RNA Area: 67.0 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 19 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.60

Fragment table for sample 8 : JUH365290A

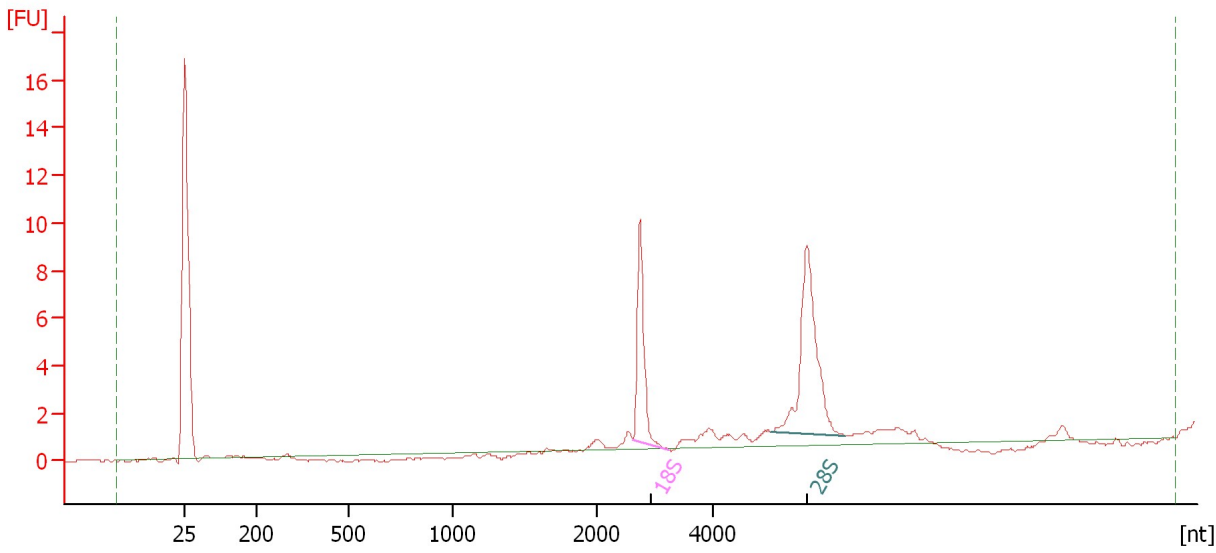
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,215	2,784	11.8	17.7
28S	4,952	5,965	15.6	23.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...

JUH365293A



Overall Results for sample 9 : JUH365293A

RNA Area: 34.8 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 10 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN N/A

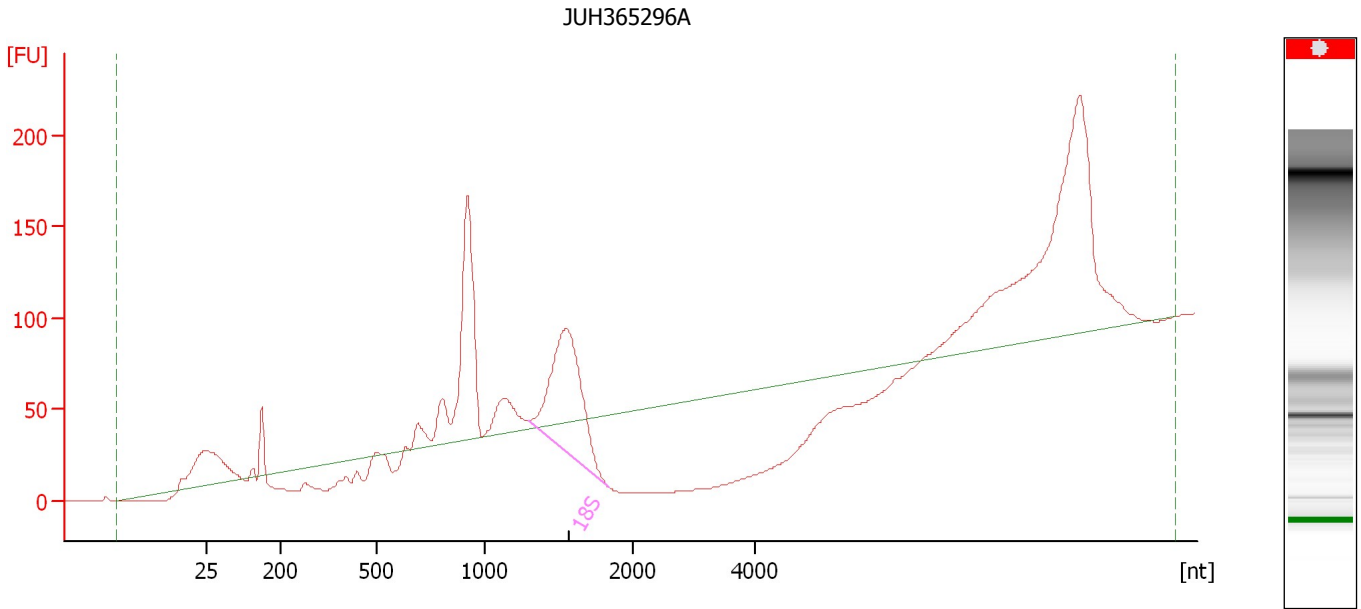
Fragment table for sample 9 : JUH365293A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,637	3,263	7.6	22.0
28S	5,010	6,280	13.1	37.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : JUH365296A

RNA Area: 1,163.7 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 331 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN N/A

Fragment table for sample 10 : JUH365296A

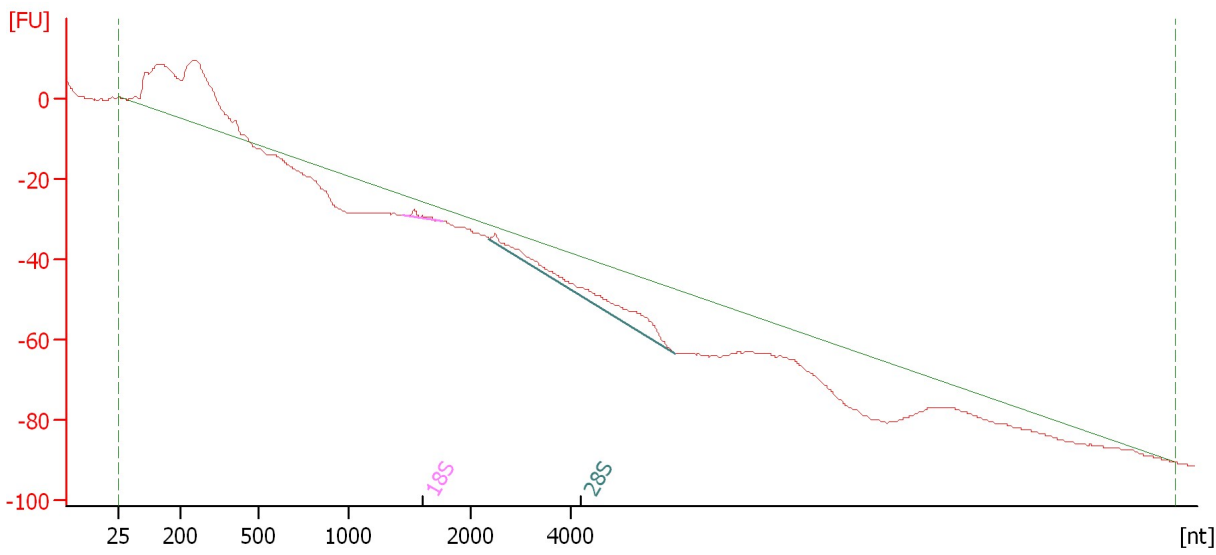
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,294	1,832	277.3	23.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...

JUH365308A



Overall Results for sample 11 : JUH365308A

RNA Area: 204.8 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 58 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 13.0 Result Flagging Label: RIN N/A

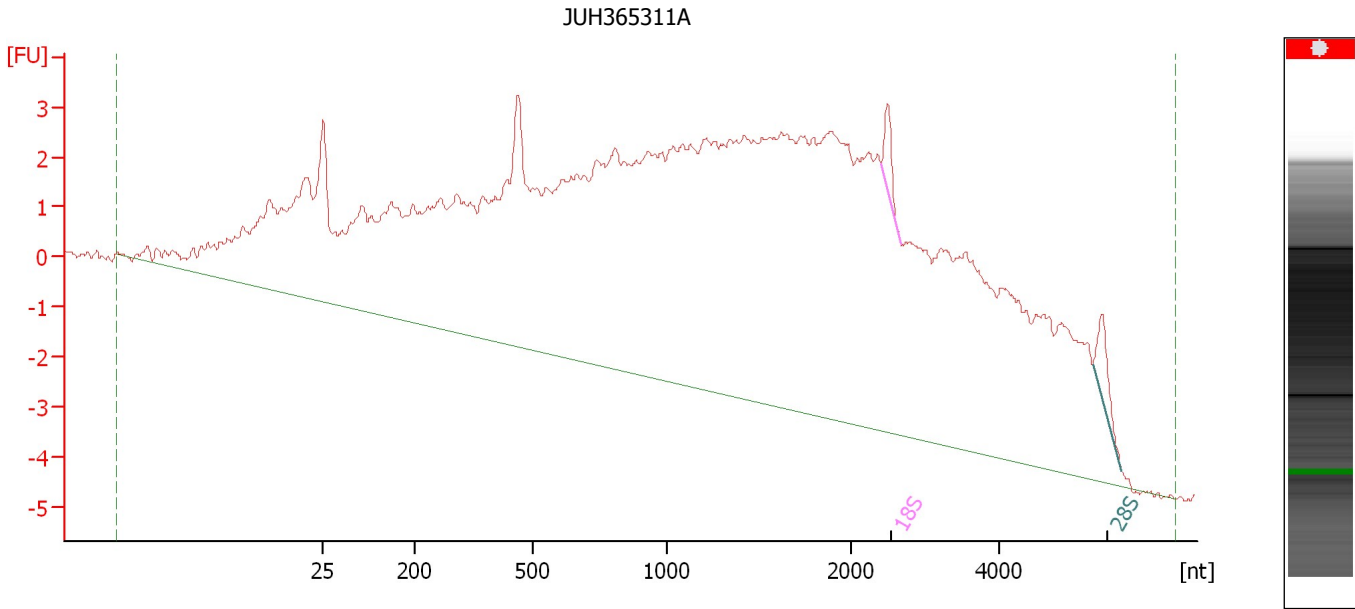
Fragment table for sample 11 : JUH365308A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,451	1,764	3.2	1.6
28S	2,360	6,087	41.8	20.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : JUH365311A

RNA Area:	322.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	92 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN N/A

Fragment table for sample 12 : JUH365311A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,407	2,665	1.3	0.4
28S	5,244	5,631	1.4	0.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_002.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/29/2018 4:00:17 PM

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