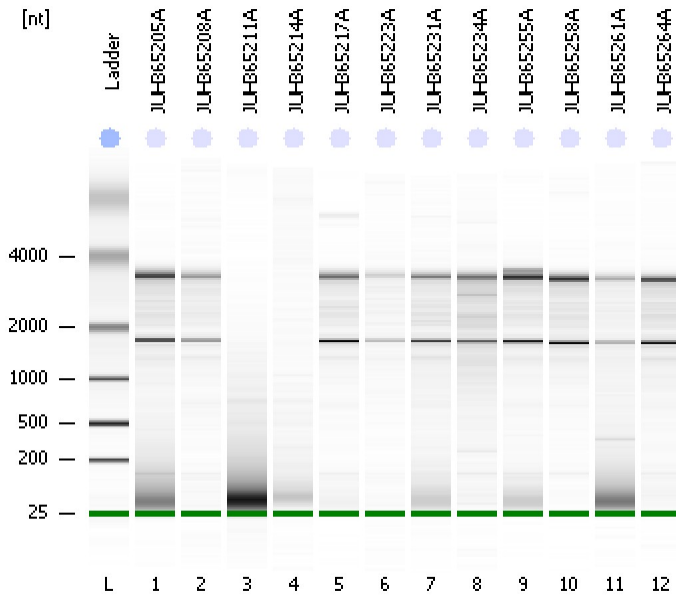


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 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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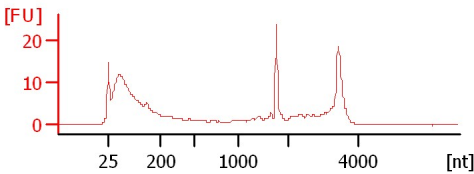
Chip Information:

Chip Lot #:

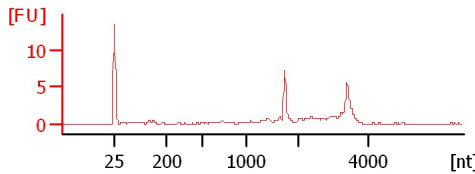
Reagent Kit Lot #:

Chip Comments:

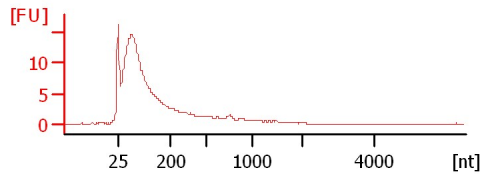
JUH365205A
RIN: 7.40



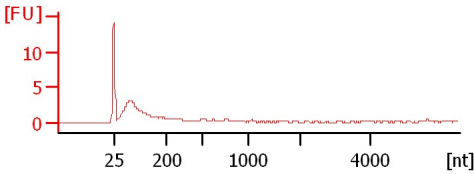
JUH365208A
RIN: 8



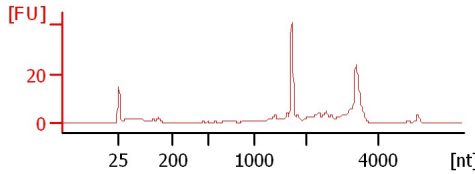
JUH365211A
RIN: 2.50



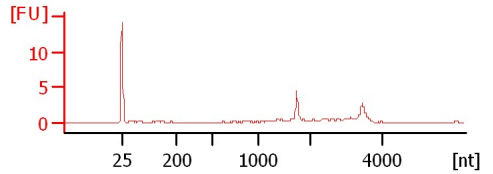
JUH365214A
RIN: 2.10



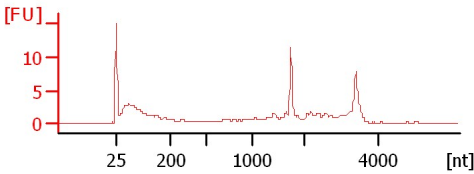
JUH365217A
RIN: 8.50



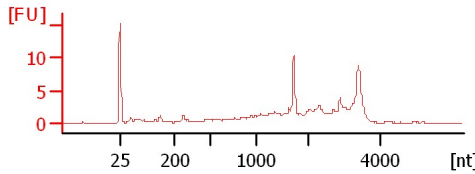
JUH365223A
RIN: 7.80



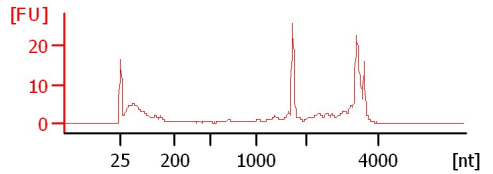
JUH365231A
RIN: 7.60



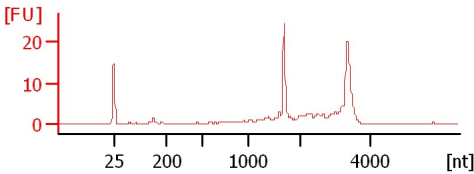
JUH365234A
RIN: 7.10



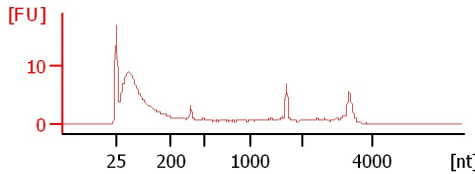
JUH365255A
RIN: 7.90



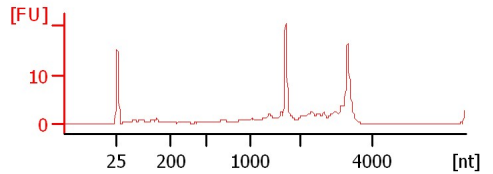
JUH365258A
RIN: 8.90



JUH365261A
RIN: 4.80



JUH365264A
RIN: 7.90



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
JUH365205A		✓	RIN: 7.40	
JUH365208A		✓	RIN: 8	
JUH365211A		✓	RIN: 2.50	
JUH365214A		✓	RIN: 2.10	
JUH365217A		✓	RIN: 8.50	
JUH365223A		✓	RIN: 7.80	
JUH365231A		✓	RIN: 7.60	
JUH365234A		✓	RIN: 7.10	
JUH365255A		✓	RIN: 7.90	
JUH365258A		✓	RIN: 8.90	
JUH365261A		✓	RIN: 4.80	
JUH365264A		✓	RIN: 7.90	
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_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 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/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 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

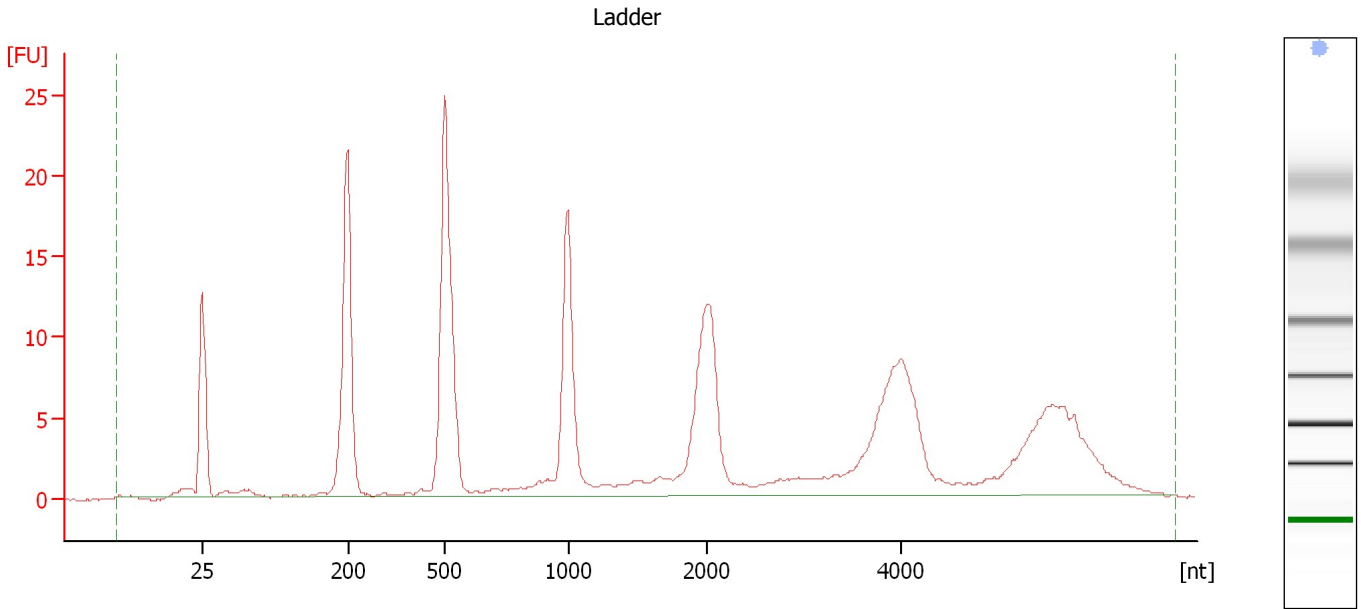
Ladder

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_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary



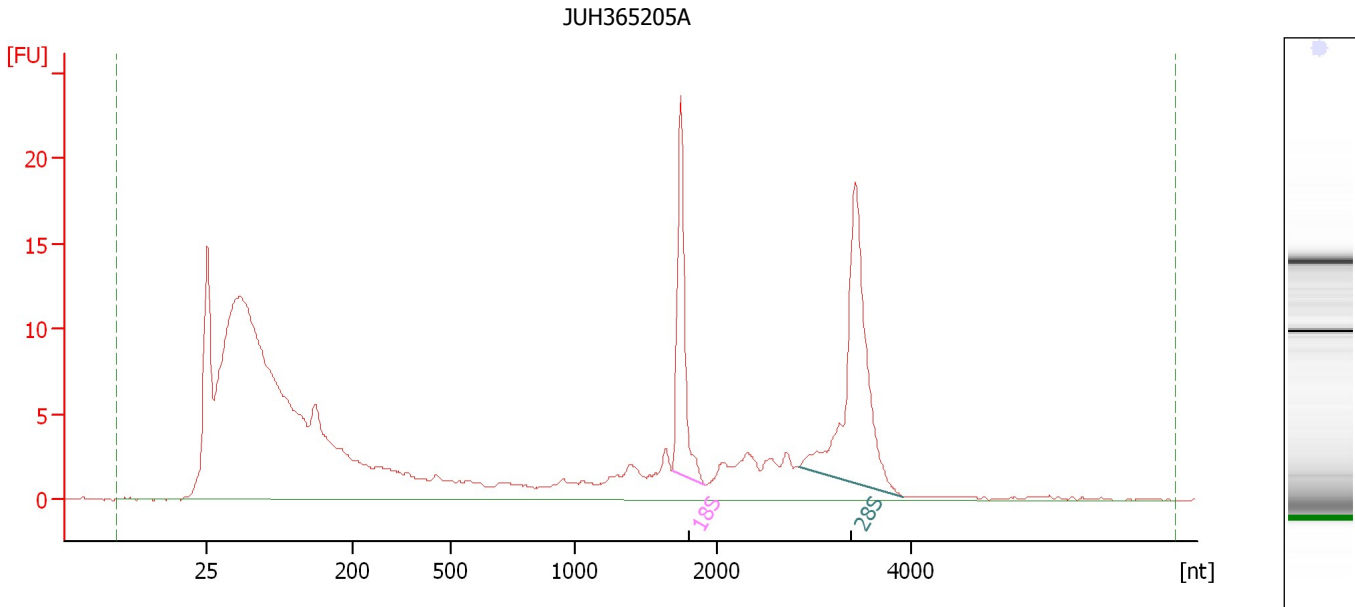
Overall Results for Ladder

RNA Area:	225.1	Result Flagging Color:	
RNA Concentration:	150 ng/μl	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_001.xad

Created: 5/29/2018 2:35:49 PM
 Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : JUH365205A

RNA Area:	303.5	RNA Integrity Number (RIN):	7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	202 ng/μl		
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.40

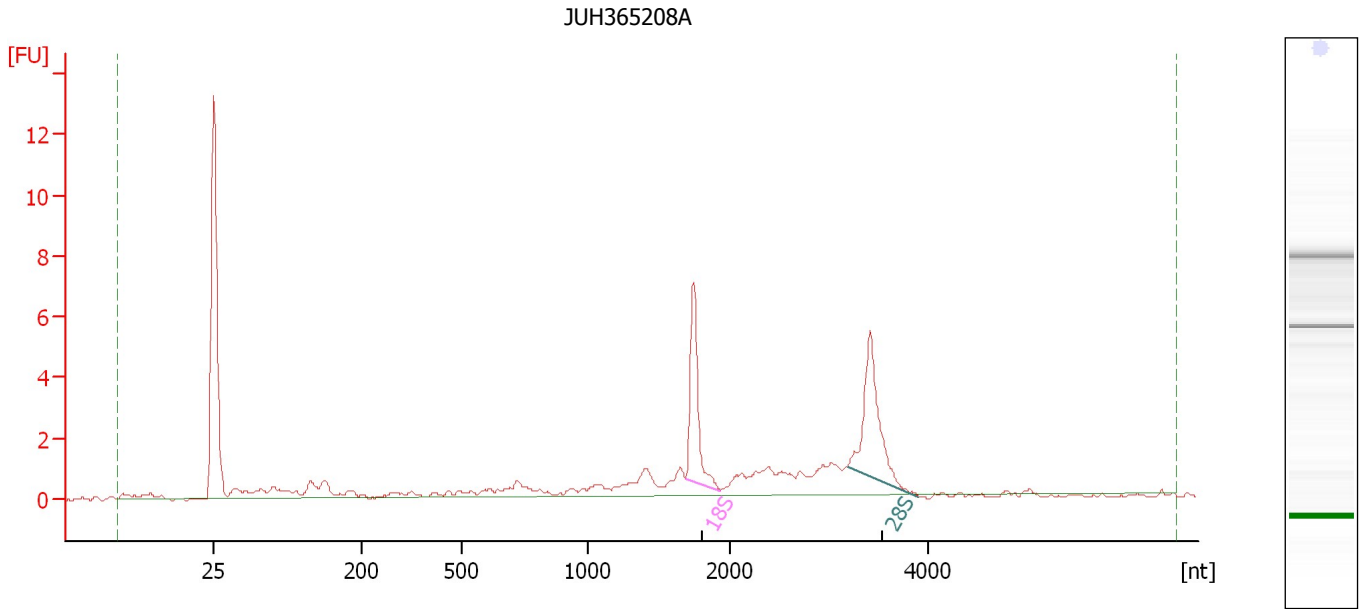
Fragment table for sample 1 : JUH365205A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,689	1,924	18.8	6.2
28S	2,843	3,917	34.6	11.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : JUH365208A

RNA Area: 40.8 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 27 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN:8

Fragment table for sample 2 : JUH365208A

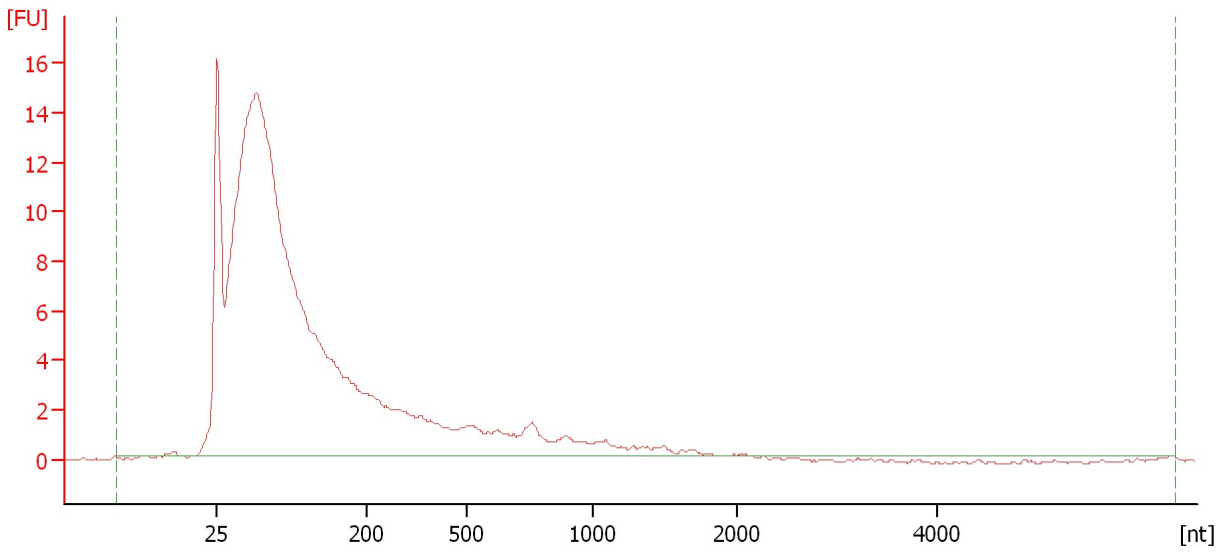
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,685	1,932	5.5	13.6
28S	3,189	3,903	6.9	16.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...

JUH365211A



Overall Results for sample 3 : JUH365211A

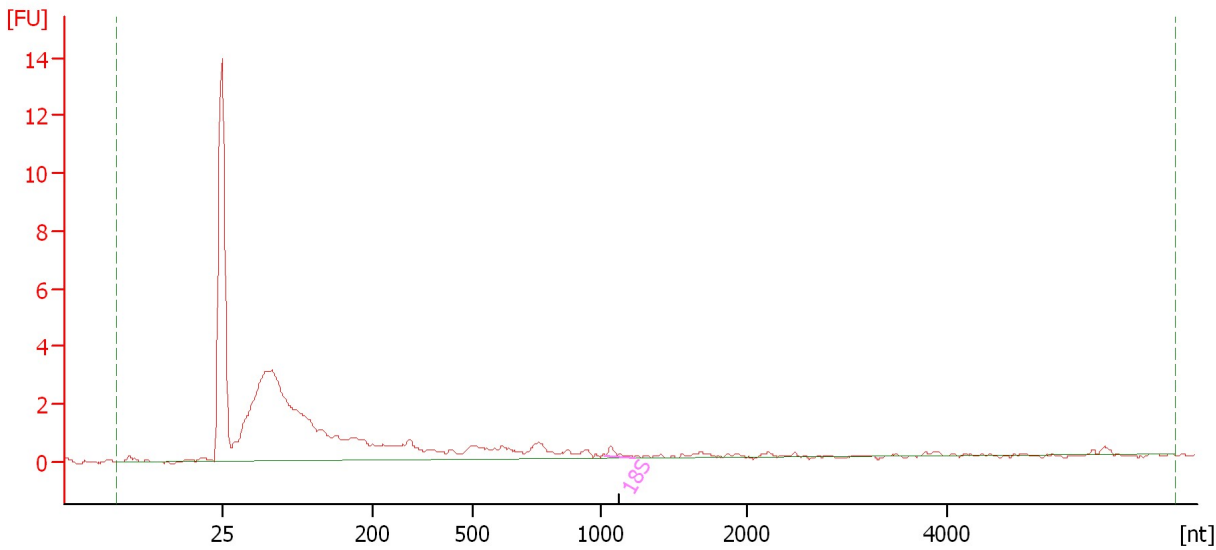
RNA Area:	225.2	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	150 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...

JUH365214A



Overall Results for sample 4 : JUH365214A

RNA Area:	48.0	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	32 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

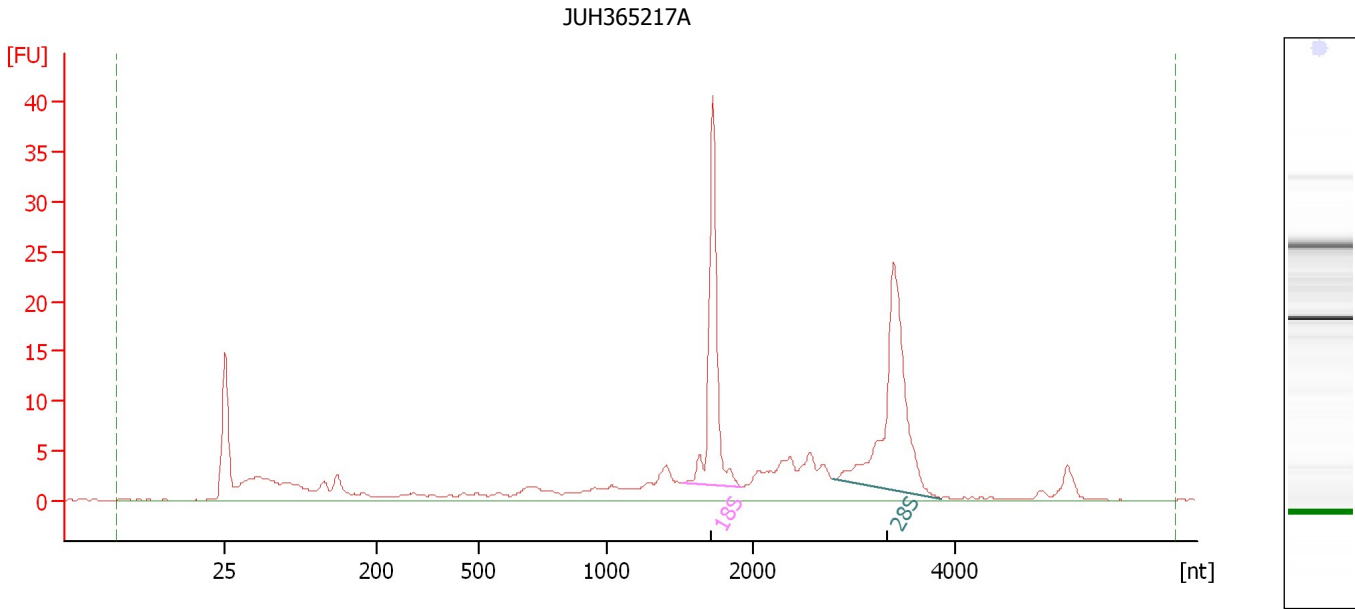
Fragment table for sample 4 : JUH365214A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,028	1,227	0.3	0.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : JUH365217A

RNA Area: 204.8 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 136 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.50

Fragment table for sample 5 : JUH365217A

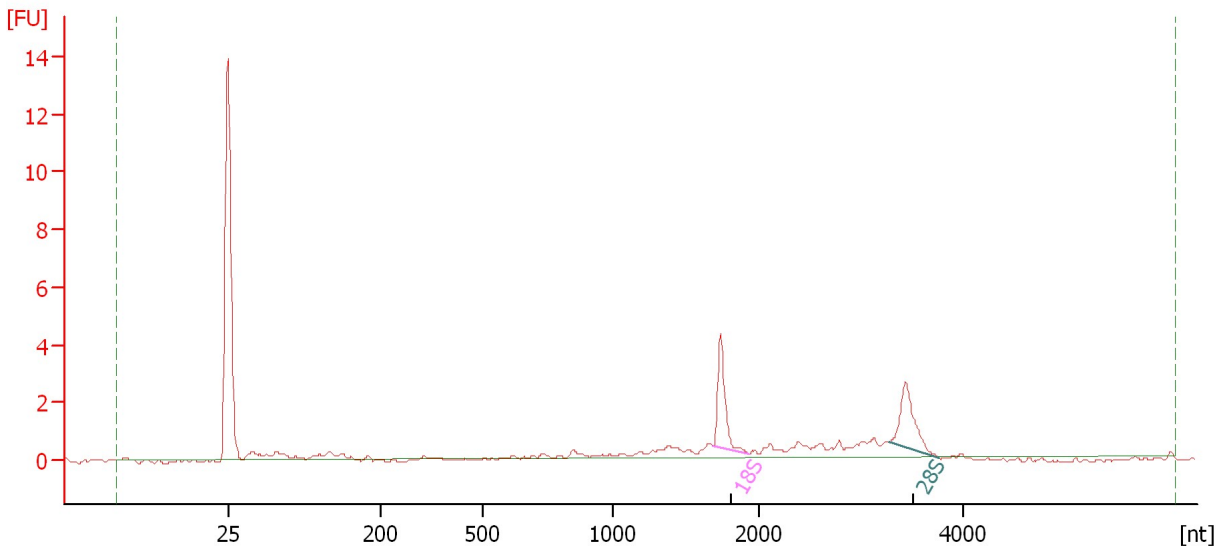
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,524	1,918	34.9	17.1
28S	2,802	3,860	43.8	21.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...

JUH365223A



Overall Results for sample 6 : JUH365223A

RNA Area: 18.7 RNA Integrity Number (RIN): 7.8 (B.02.08)
RNA Concentration: 12 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 7.80

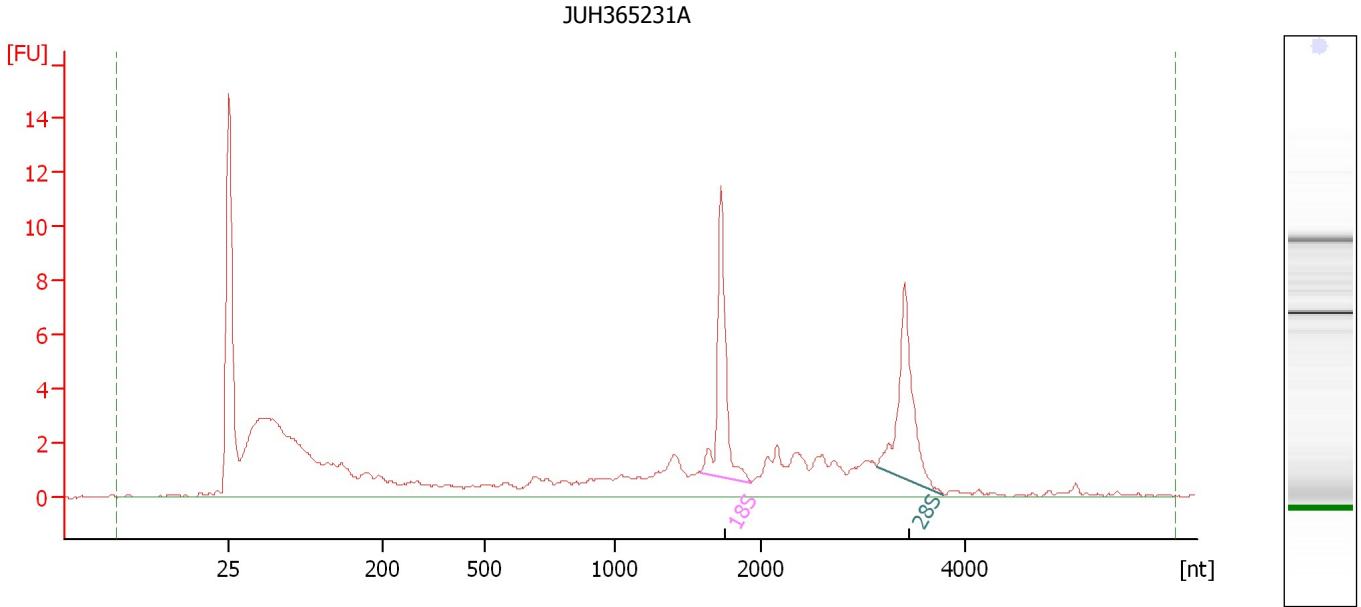
Fragment table for sample 6 : JUH365223A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,686	1,933	3.2	17.0
28S	3,270	3,764	3.1	16.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : JUH365231A

RNA Area: 106.1 RNA Integrity Number (RIN): 7.6 (B.02.08)
RNA Concentration: 71 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 7.60

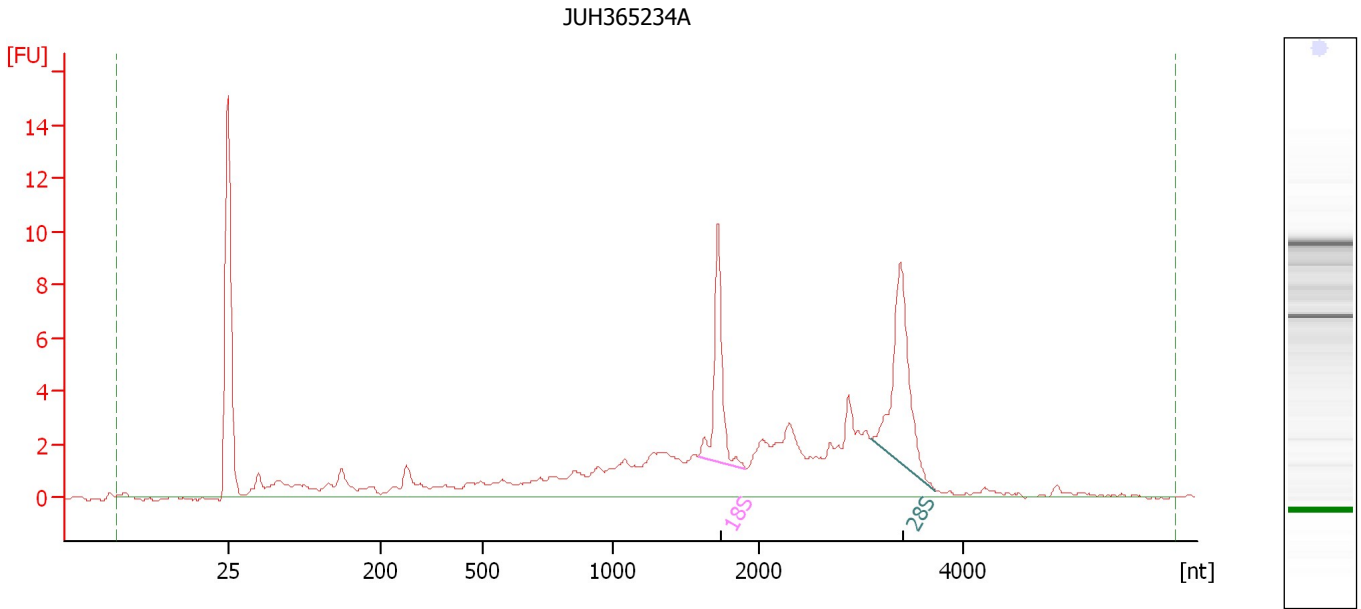
Fragment table for sample 7 : JUH365231A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,933	9.9	9.3
28S	3,131	3,792	9.6	9.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : JUH365234A

RNA Area: 95.3 RNA Integrity Number (RIN): 7.1 (B.02.08)
RNA Concentration: 63 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 7.10

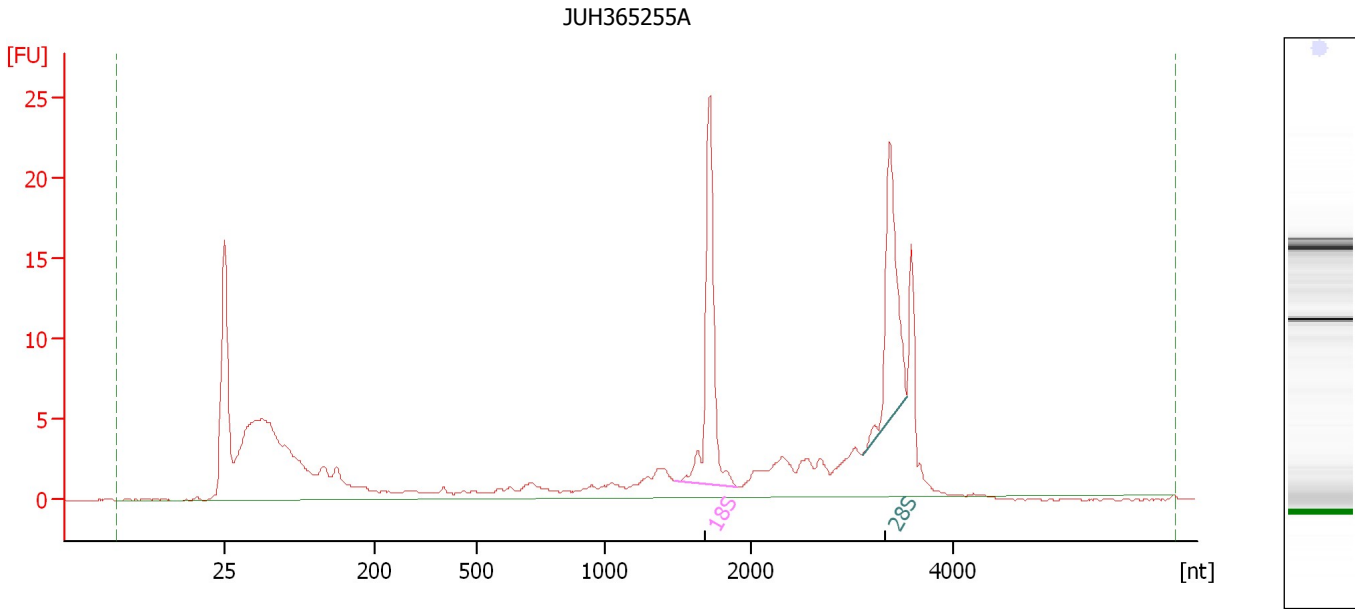
Fragment table for sample 8 : JUH365234A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,584	1,904	8.1	8.5
28S	3,102	3,733	11.4	11.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : JUH365255A

RNA Area: 176.2 RNA Integrity Number (RIN): 7.9 (B.02.08)
RNA Concentration: 117 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 7.90

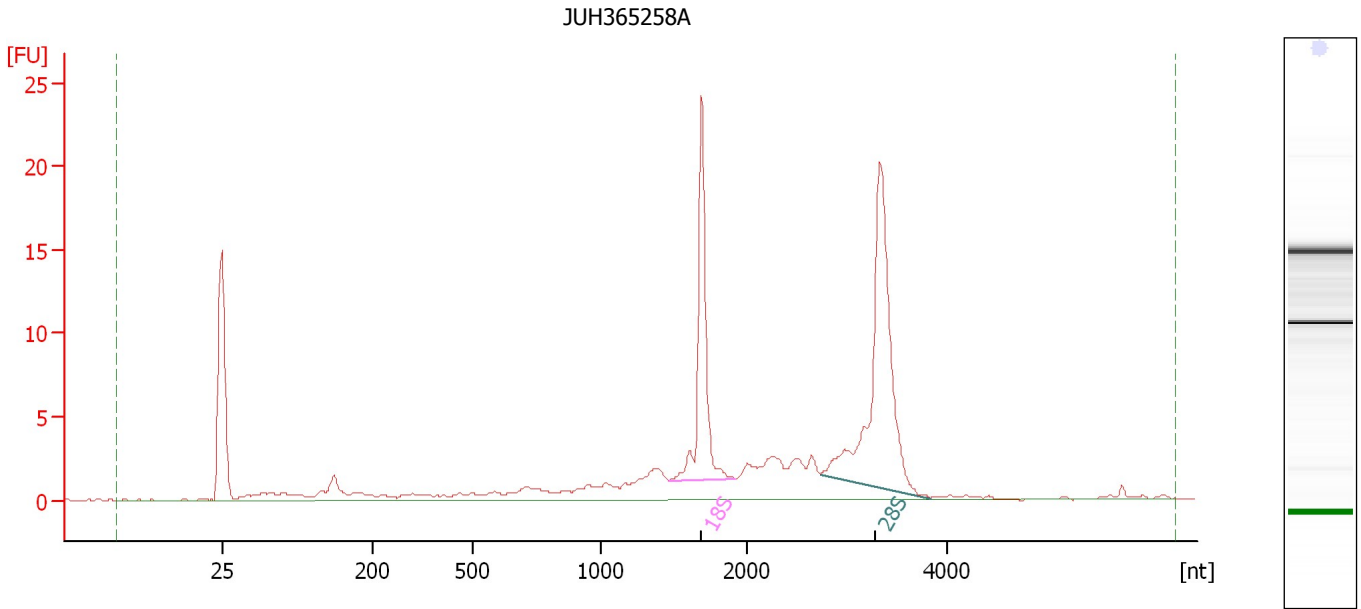
Fragment table for sample 9 : JUH365255A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,479	1,911	22.1	12.6
28S	3,111	3,546	18.9	10.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : JUH365258A

RNA Area: 117.3 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 78 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 8.90

Fragment table for sample 10 : JUH365258A

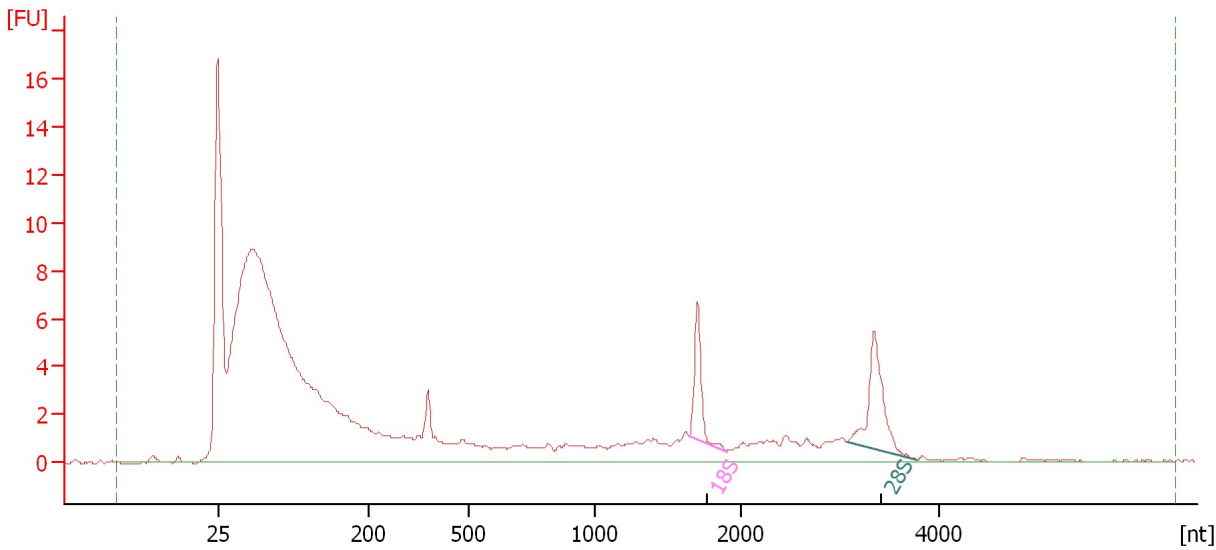
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,469	1,918	20.6	17.6
28S	2,733	3,829	35.4	30.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...

JUH365261A



Overall Results for sample 11 : JUH365261A

RNA Area: 168.3 RNA Integrity Number (RIN): 4.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 112 ng/μl
rRNA Ratio [28s / 18s]: 1.5
Result Flagging Color:
Result Flagging Label: RIN: 4.80

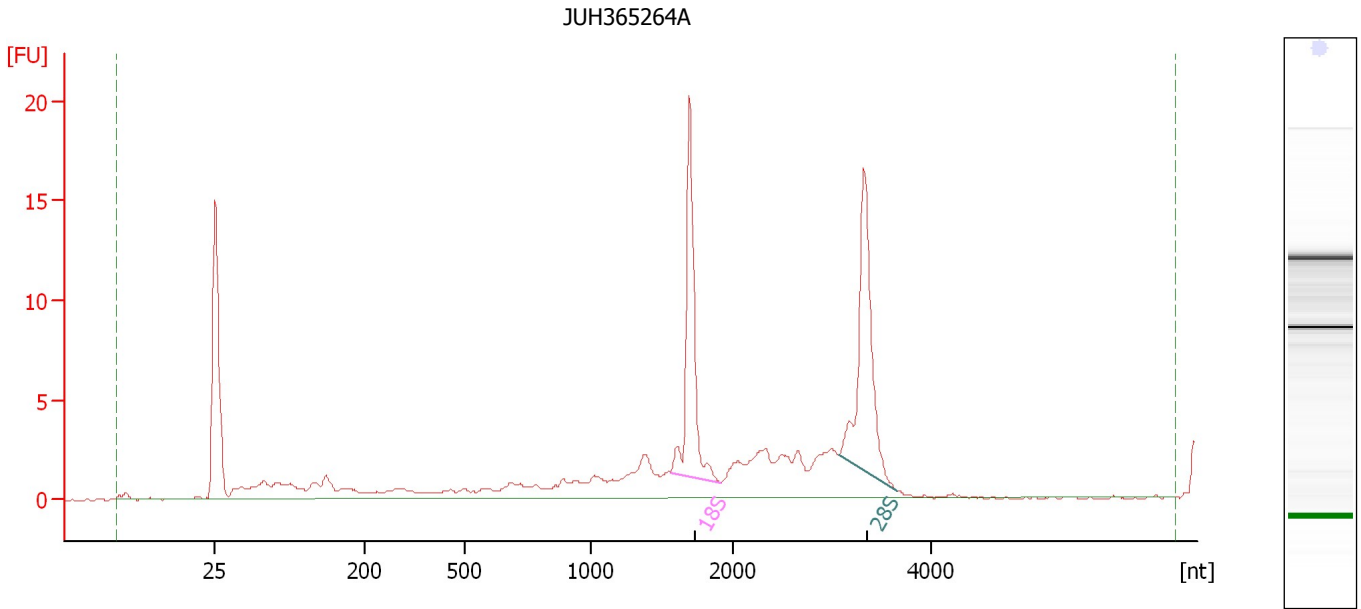
Fragment table for sample 11 : JUH365261A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	1,903	4.6	2.7
28S	3,080	3,765	6.9	4.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : JUH365264A

RNA Area: 104.3 RNA Integrity Number (RIN): 7.9 (B.02.08)
RNA Concentration: 70 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 7.90

Fragment table for sample 12 : JUH365264A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,560	1,910	17.0	16.3
28S	3,055	3,647	18.7	17.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-29\2018-05-29_001.xad

Created: 5/29/2018 2:35:49 PM
Modified: 5/29/2018 3:05:51 PM

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