

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...analyzer\2100 expert\data\2018-05-29\2018-05-29_002_new.xad

Created: 5/29/2018 3:23:33 PM
Modified: 5/30/2018 8:33:55 AM

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)

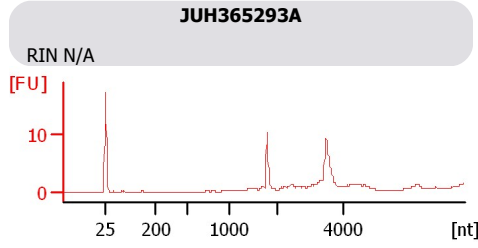
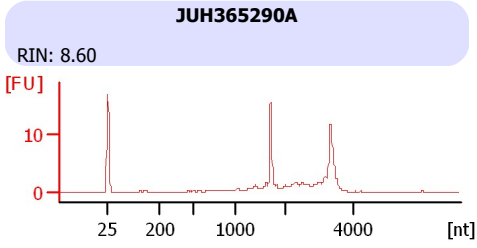
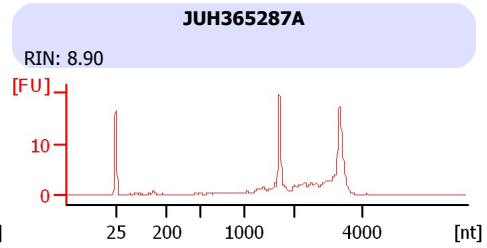
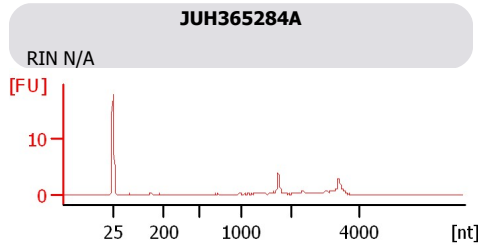
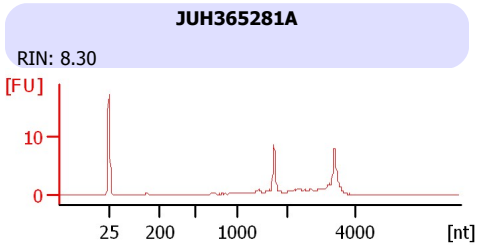
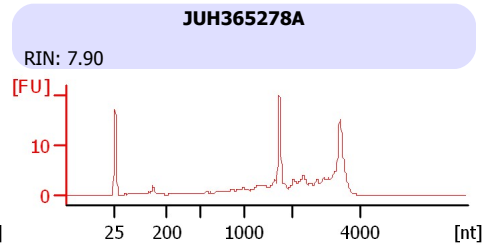
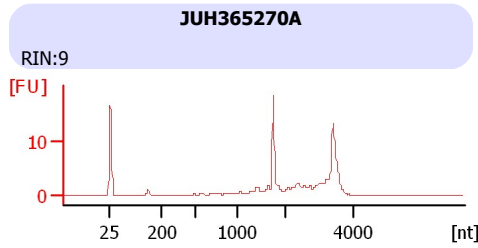
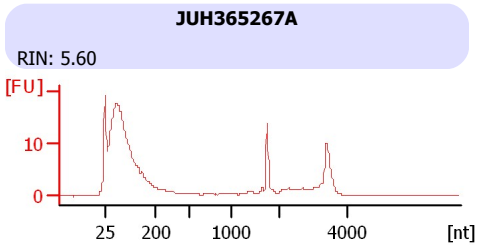
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
JUH365267A		✓	RIN: 5.60	
JUH365270A		✓	RIN:9	
JUH365278A		✓	RIN: 7.90	
JUH365281A		✓	RIN: 8.30	
JUH365284A		✓	RIN N/A	
JUH365287A		✓	RIN: 8.90	
JUH365290A		✓	RIN: 8.60	
JUH365293A		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

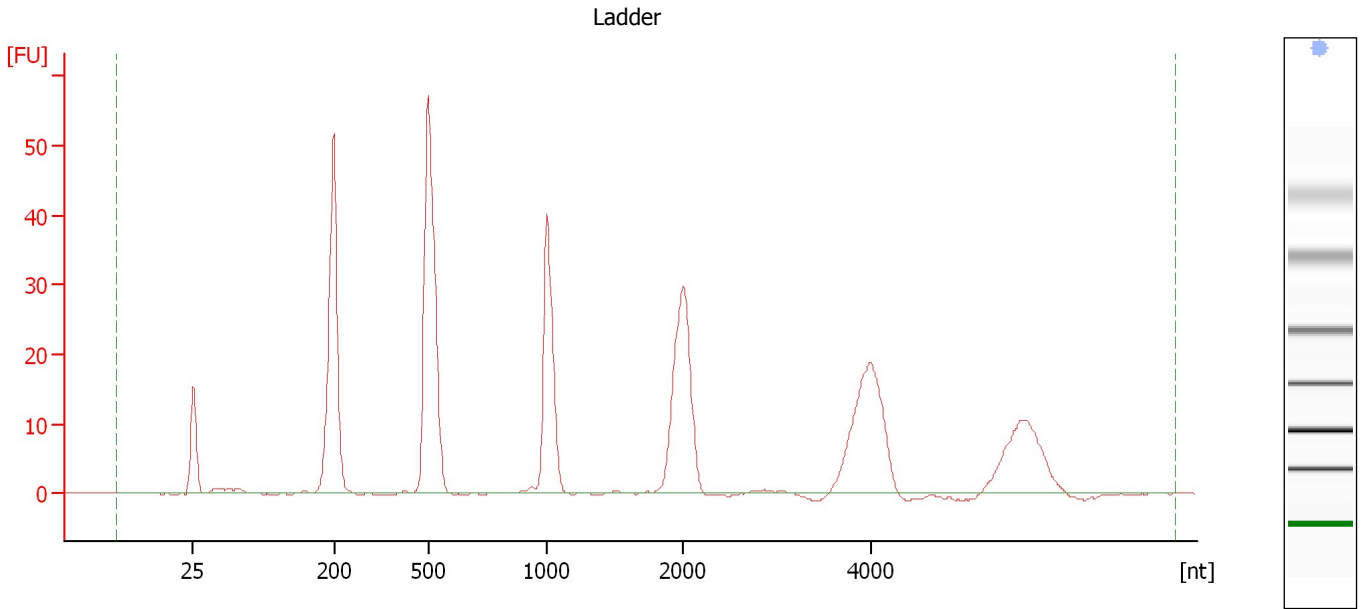
Ladder

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

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Electropherogram Summary



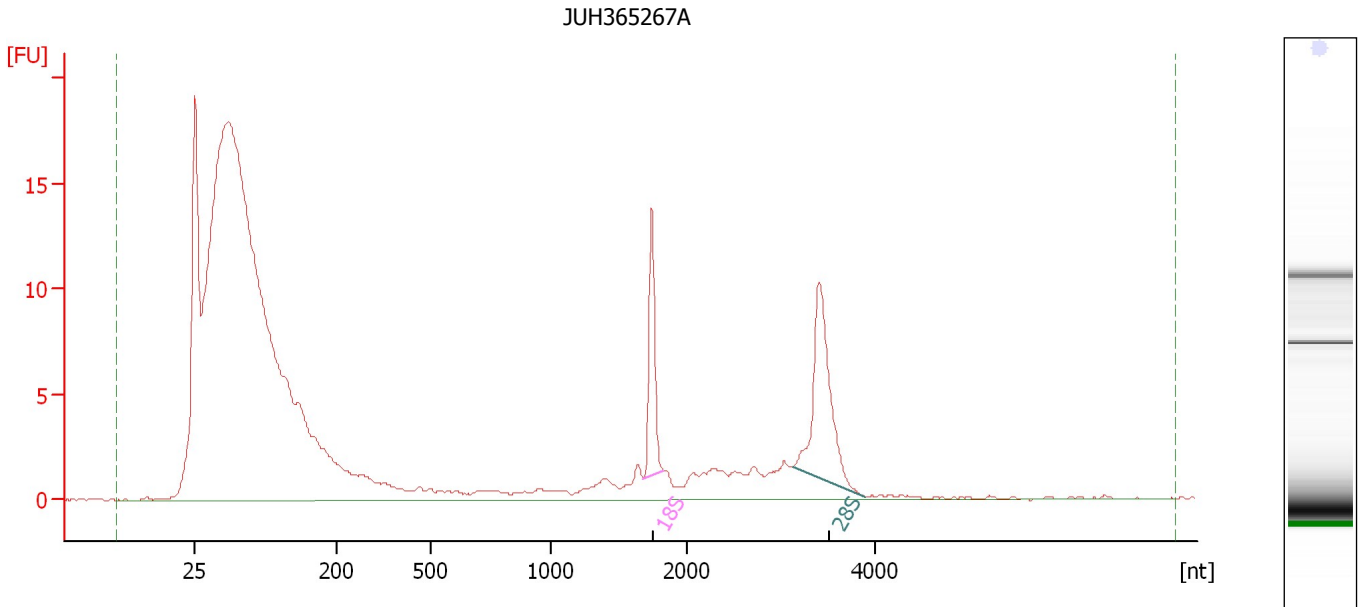
Overall Results for Ladder

RNA Area:	376.5	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



Overall Results for sample 1 : JUH365267A

RNA Area:	289.7	RNA Integrity Number (RIN):	5.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	115 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 5.60

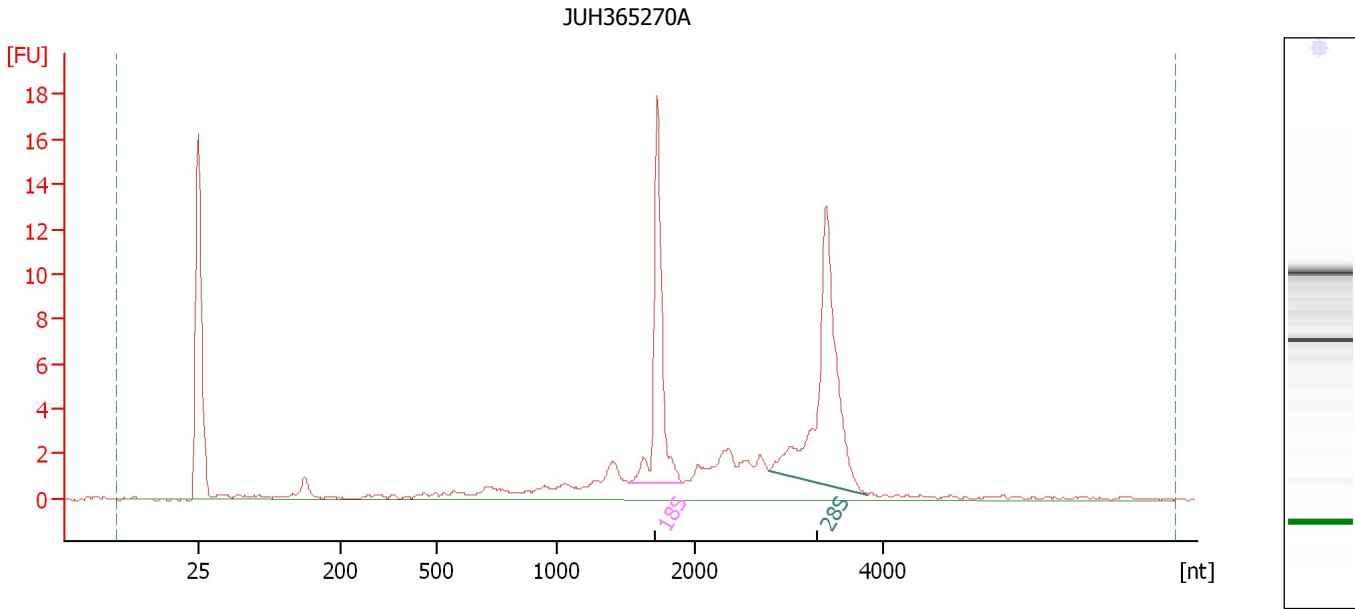
Fragment table for sample 1 : JUH365267A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,678	1,819	9.4	3.3
28S	3,126	3,889	15.7	5.4

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Electropherogram Summary Continued ...



Overall Results for sample 2 : JUH365270A

RNA Area: 84.1 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 33 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN:9

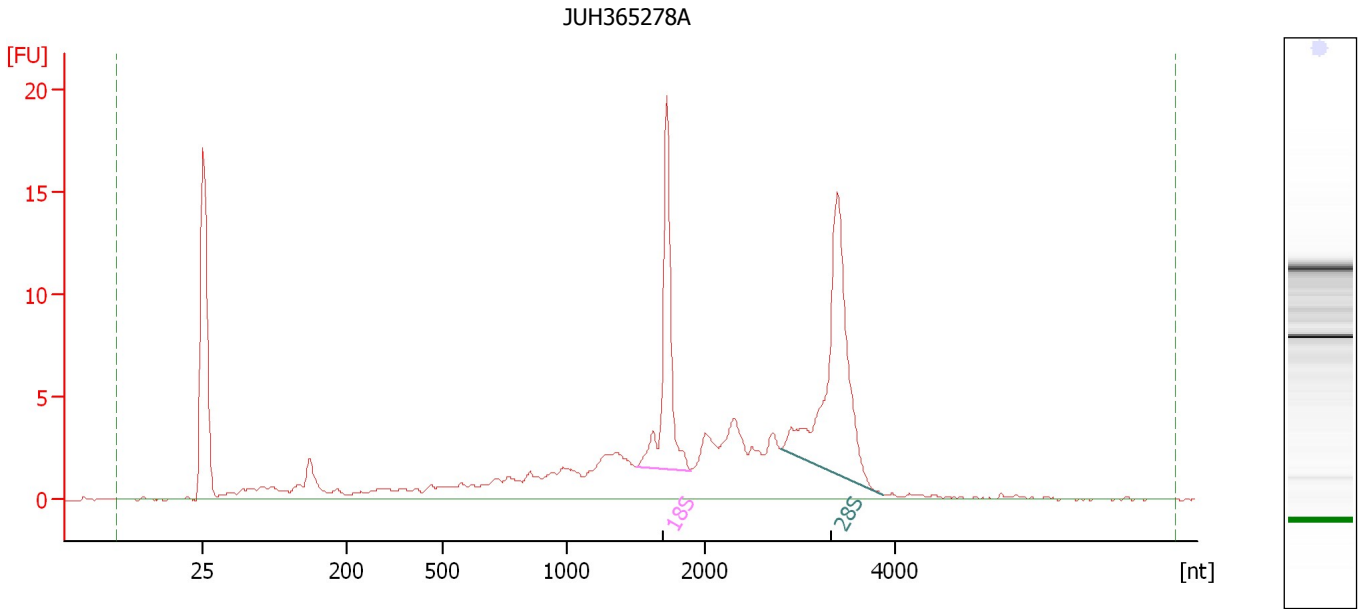
Fragment table for sample 2 : JUH365270A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,525	1,914	15.8	18.8
28S	2,802	3,831	23.9	28.4

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Electropherogram Summary Continued ...



Overall Results for sample 4 : JUH365278A

RNA Area: 134.5 RNA Integrity Number (RIN): 7.9 (B.02.08)
RNA Concentration: 54 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 7.90

Fragment table for sample 4 : JUH365278A

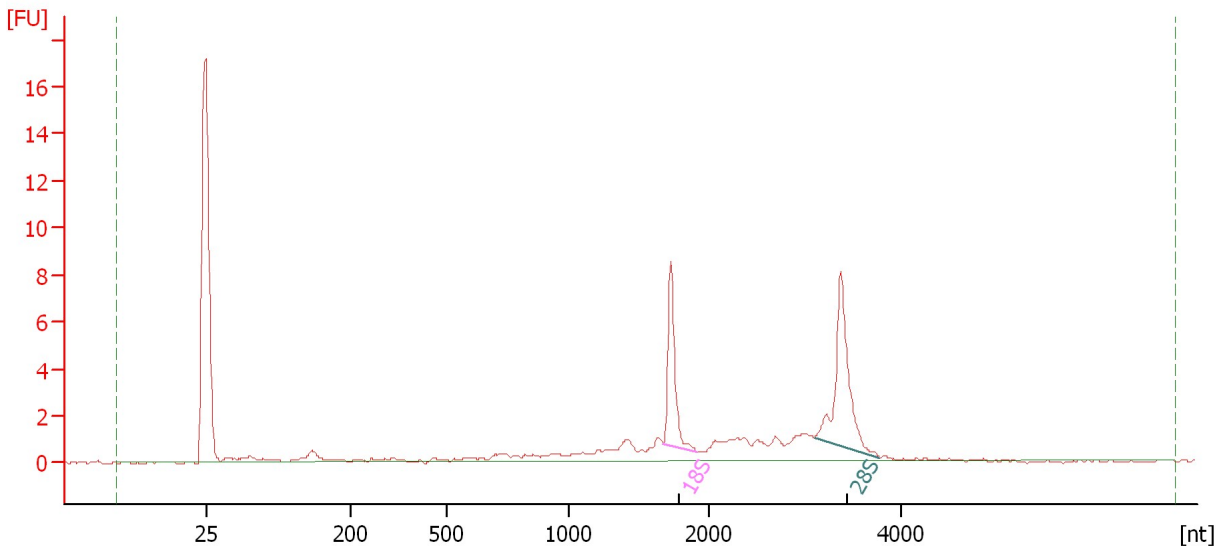
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,507	1,900	18.1	13.5
28S	2,805	3,868	28.2	21.0

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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: 18 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.30

Fragment table for sample 5 : JUH365281A

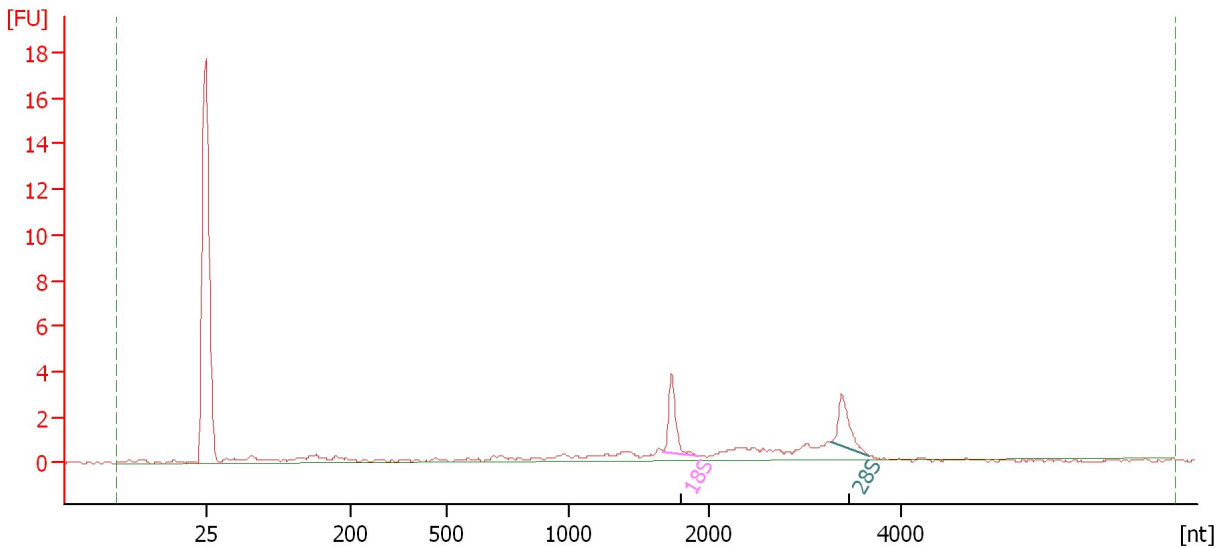
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	1,908	6.5	14.7
28S	3,103	3,782	9.6	21.5

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Electropherogram Summary Continued ...

JUH365284A



Setpoint Deviations for sample 6 : JUH365284A

Slope Threshold :	0.1	Area Threshold :	0.1
Height Threshold [FU] :	0.1	Width Threshold [s] :	0.1

Overall Results for sample 6 : JUH365284A

RNA Area:	23.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN N/A

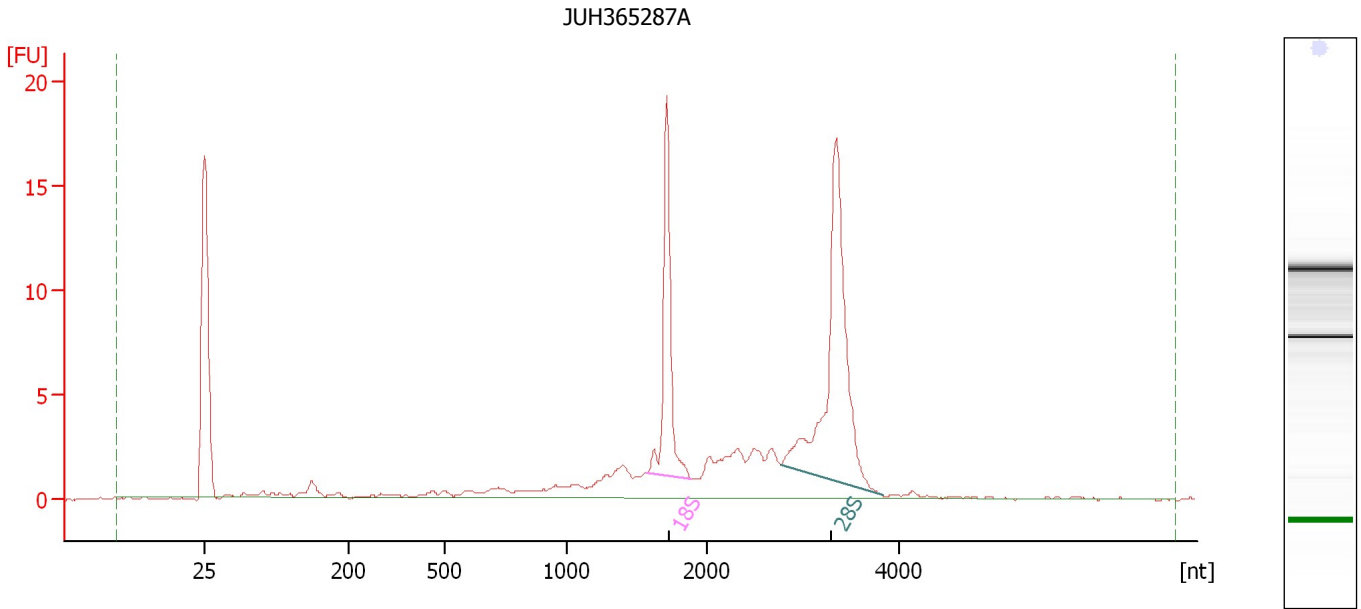
Fragment table for sample 6 : JUH365284A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	1,923	2.9	12.2
28S	3,270	3,660	2.7	11.4

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Electropherogram Summary Continued ...



Overall Results for sample 7 : JUH365287A

RNA Area: 96.2 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 38 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 8.90

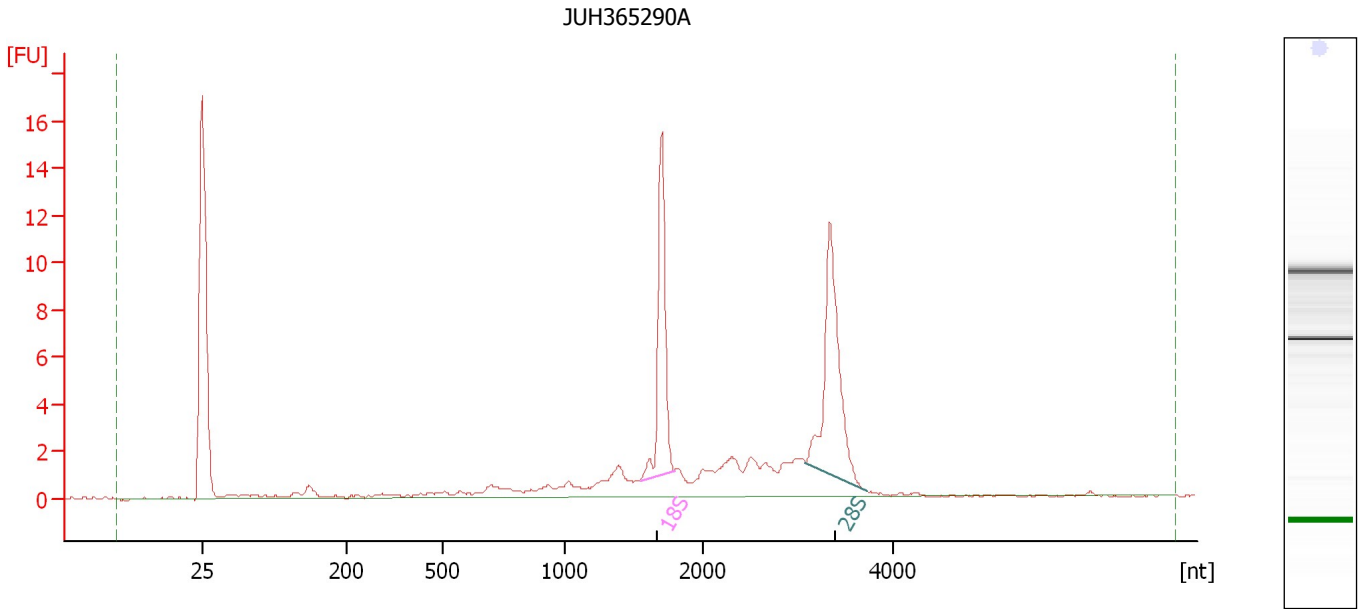
Fragment table for sample 7 : JUH365287A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,569	1,892	16.2	16.8
28S	2,770	3,831	29.9	31.1

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Electropherogram Summary Continued ...



Overall Results for sample 8 : JUH365290A

RNA Area: 67.0 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 27 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.60

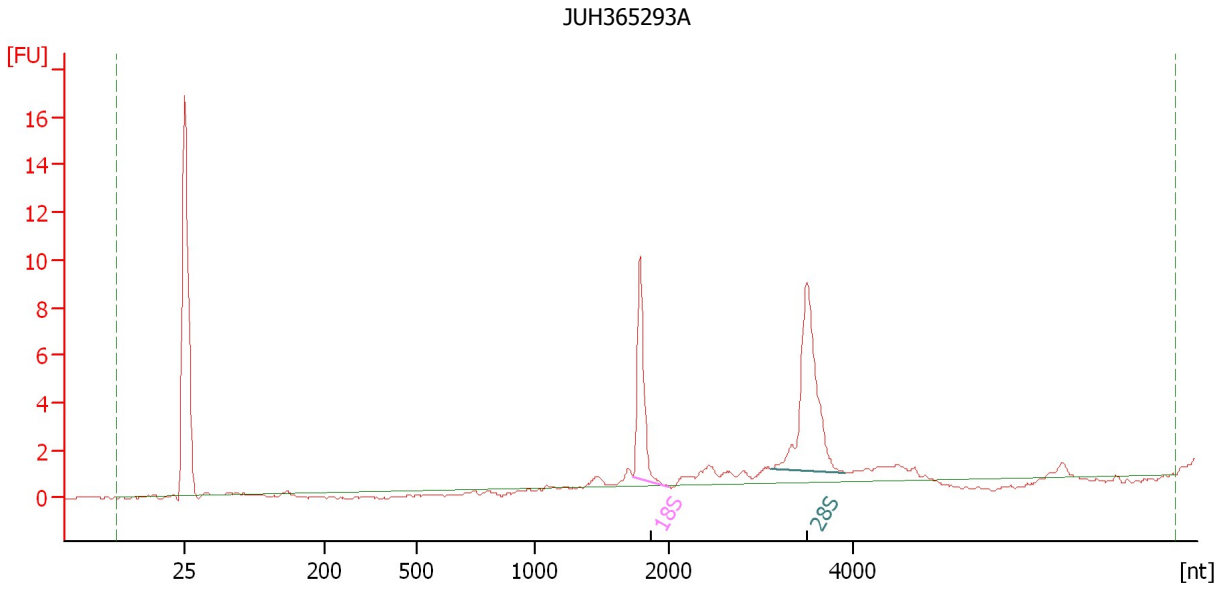
Fragment table for sample 8 : JUH365290A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	1,799	11.8	17.7
28S	3,076	3,715	15.6	23.3

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Electropherogram Summary Continued ...



Setpoint Deviations for sample 9 : JUH365293A

Slope Threshold :	0.1	Area Threshold :	0.1
Height Threshold [FU] :	0.1	Width Threshold [s] :	0.1

Overall Results for sample 9 : JUH365293A

RNA Area:	34.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	14 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	1,735	2,011	7.6	22.0
28S	3,113	3,914	13.1	37.6

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