

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-15\2019-01-15_001.xad

Created: 1/15/2019 4:18:16 PM
Modified: 1/15/2019 4:39:47 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)

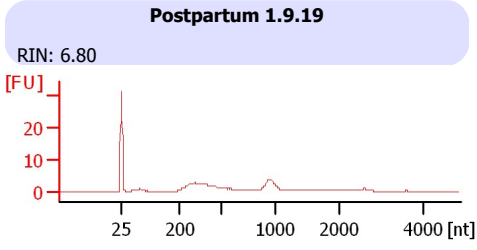
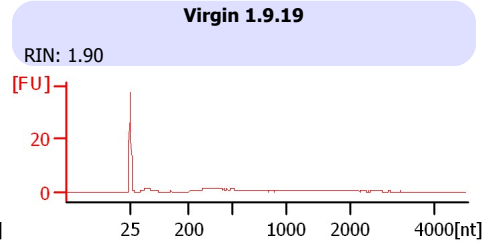
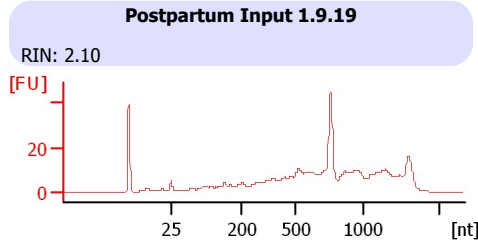
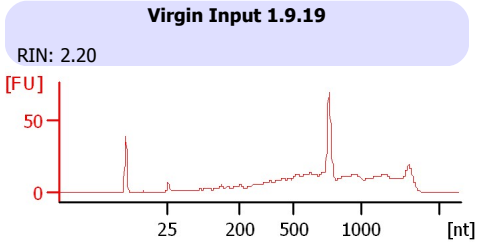
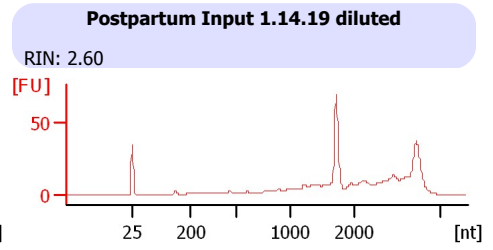
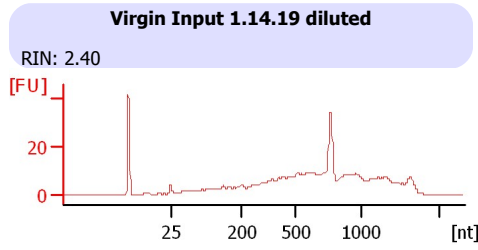
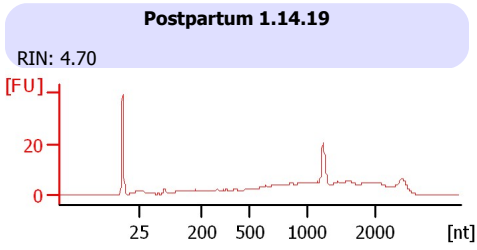
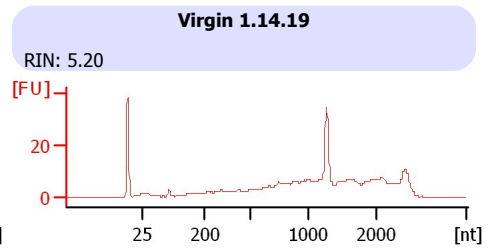
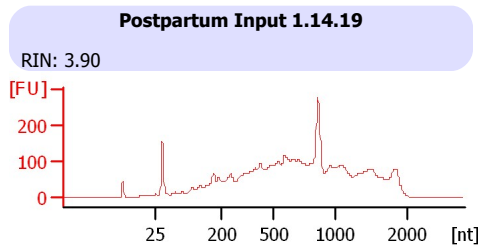
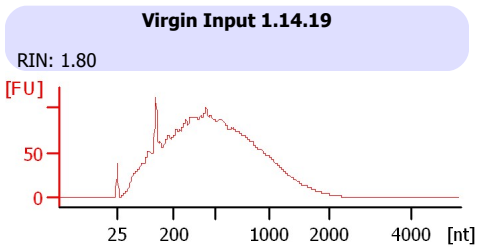
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Chip Information:

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
Virgin Input 1.14.19		✓	RIN: 1.80	
Postpartum Input 1.14.19		✓	RIN: 3.90	
Virgin 1.14.19		✓	RIN: 5.20	
Postpartum 1.14.19		✓	RIN: 4.70	
Virgin Input 1.14.19 diluted		✓	RIN: 2.40	
Postpartum Input 1.14.19 diluted		✓	RIN: 2.60	
Virgin Input 1.9.19		✓	RIN: 2.20	
Postpartum Input 1.9.19		✓	RIN: 2.10	
Virgin 1.9.19		✓	RIN: 1.90	
Postpartum 1.9.19		✓	RIN: 6.80	
Sample 11				
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.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

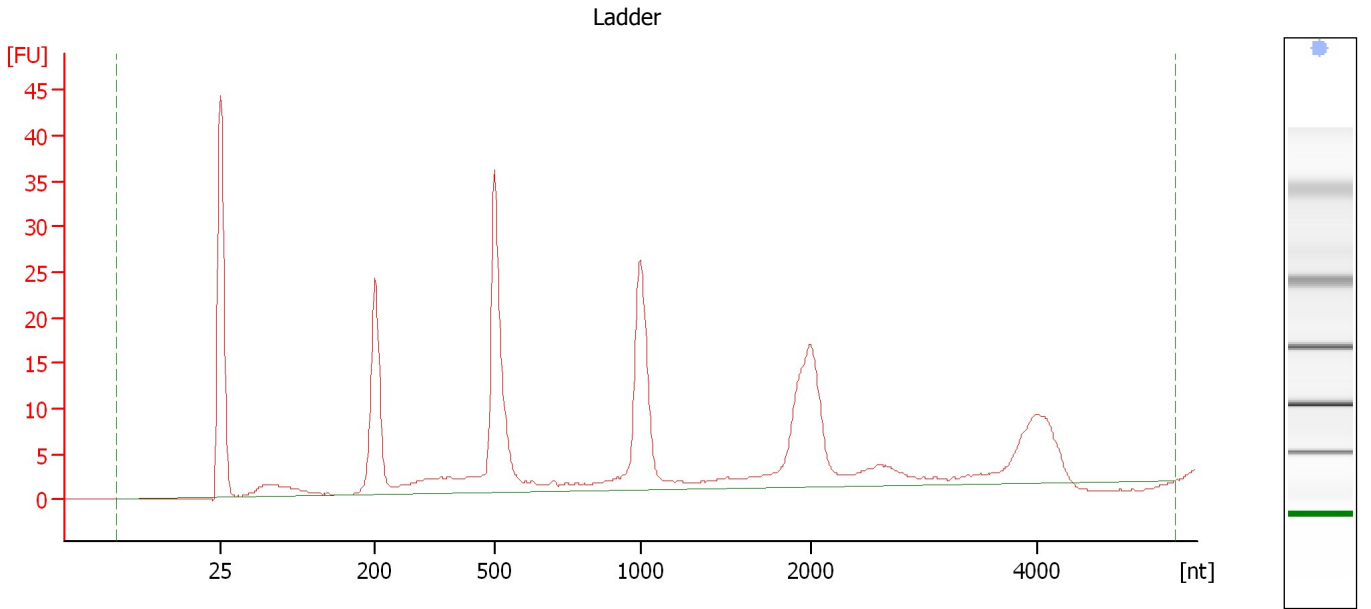
Ladder

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

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Electropherogram Summary



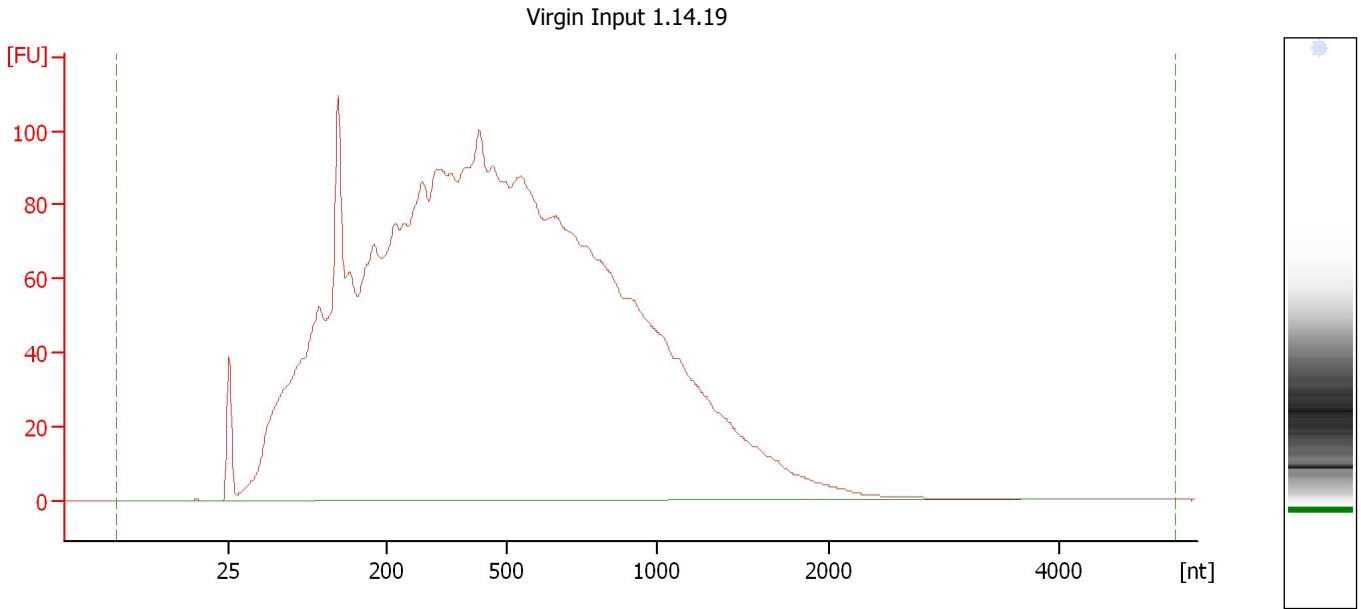
Overall Results for Ladder

RNA Area:	266.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



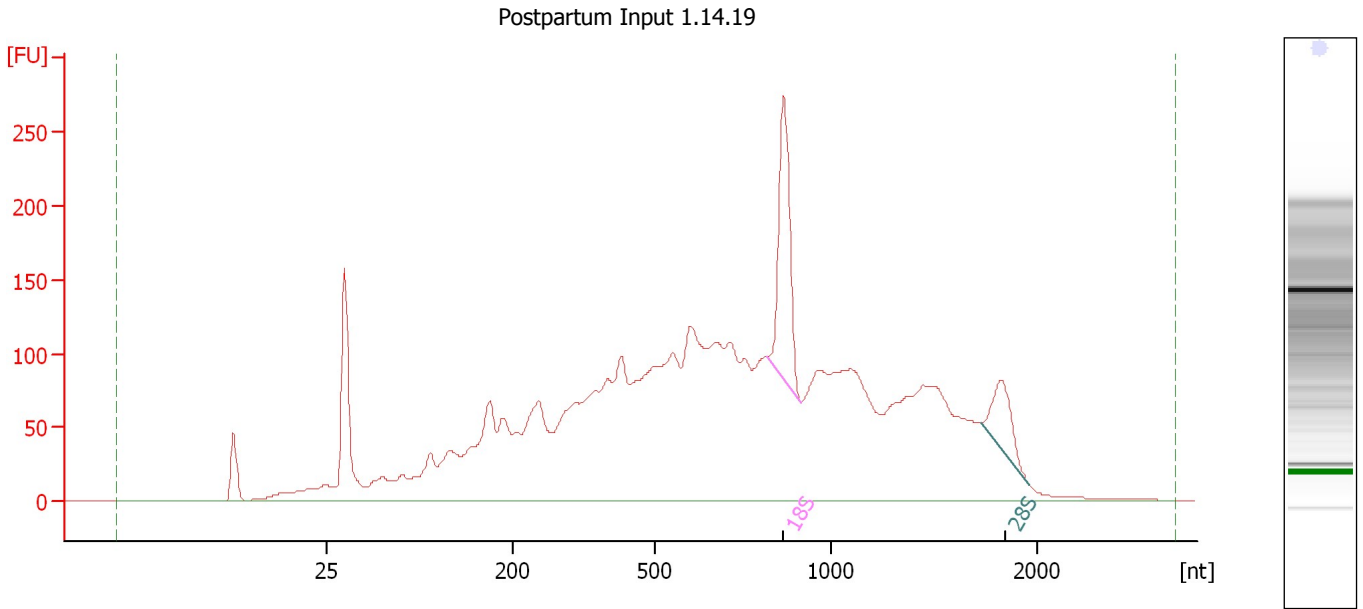
Overall Results for sample 1 : Virgin Input 1.14.19

RNA Area:	3,898.1	RNA Integrity Number (RIN):	1.8 (B.02.08)
RNA Concentration:	14,617 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

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Electropherogram Summary Continued ...



Overall Results for sample 2 : Postpartum Input 1.14.19

RNA Area: 4,839.2 RNA Integrity Number (RIN): 3.9 (B.02.08)
RNA Concentration: 18,146 pg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 3.90

Fragment table for sample 2 : Postpartum Input 1.14.19

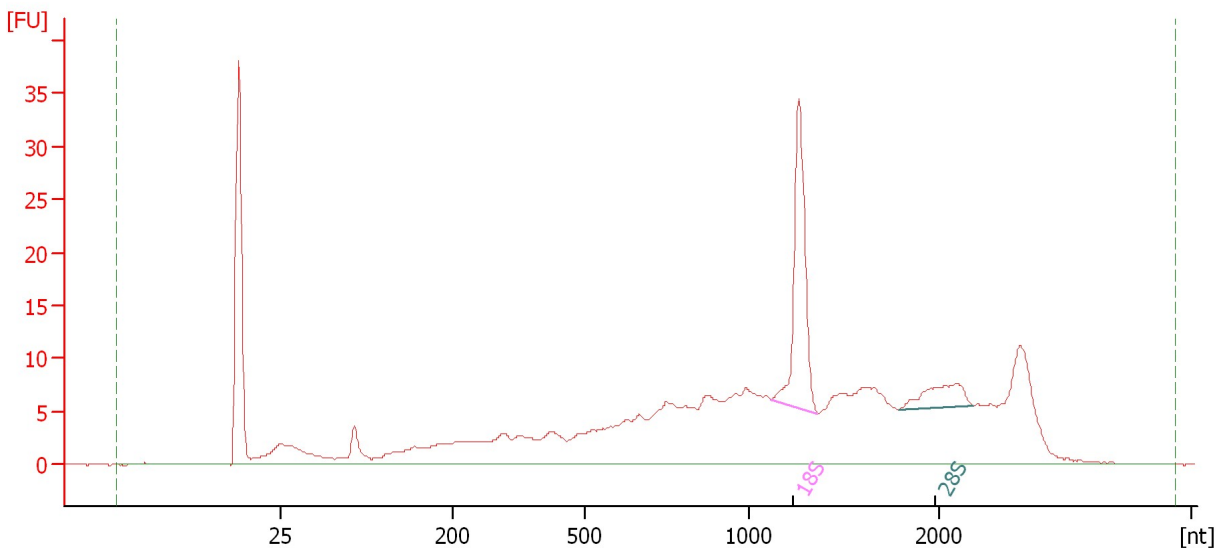
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	818	912	222.4	4.6
28S	1,732	1,962	77.9	1.6

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Electropherogram Summary Continued ...

Virgin 1.14.19



Overall Results for sample 3 : Virgin 1.14.19

RNA Area: 386.1 RNA Integrity Number (RIN): 5.2 (B.02.08)
RNA Concentration: 1,448 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.2 Result Flagging Label: RIN: 5.20

Fragment table for sample 3 : Virgin 1.14.19

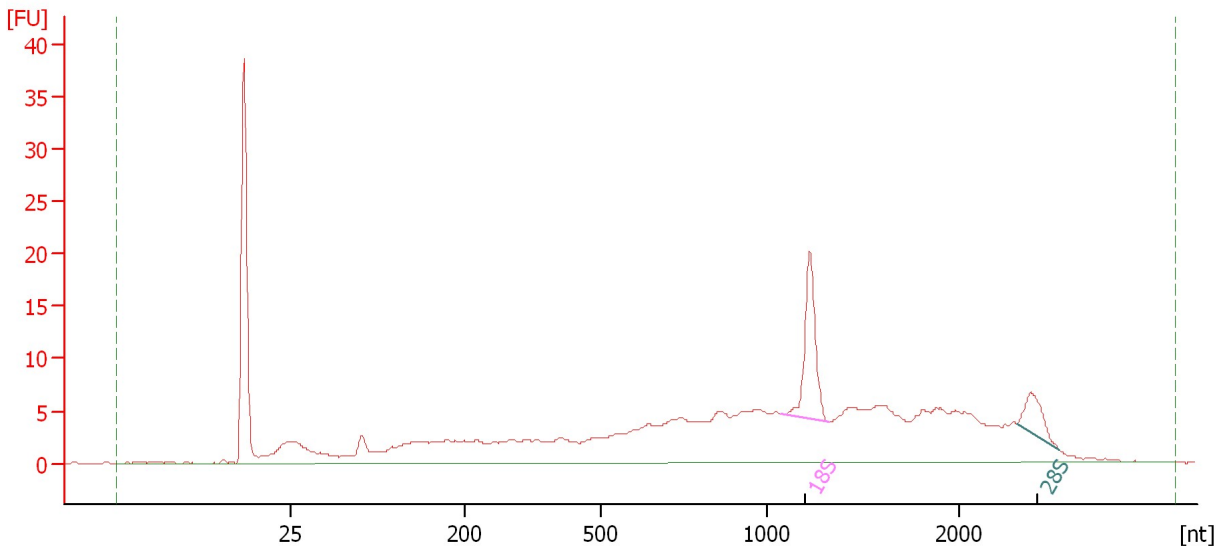
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,117	1,365	33.0	8.6
28S	1,788	2,283	7.9	2.0

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Electropherogram Summary Continued ...

Postpartum 1.14.19



Overall Results for sample 4 : Postpartum 1.14.19

RNA Area: 316.4 RNA Integrity Number (RIN): 4.7 (B.02.08)
RNA Concentration: 1,186 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN: 4.70

Fragment table for sample 4 : Postpartum 1.14.19

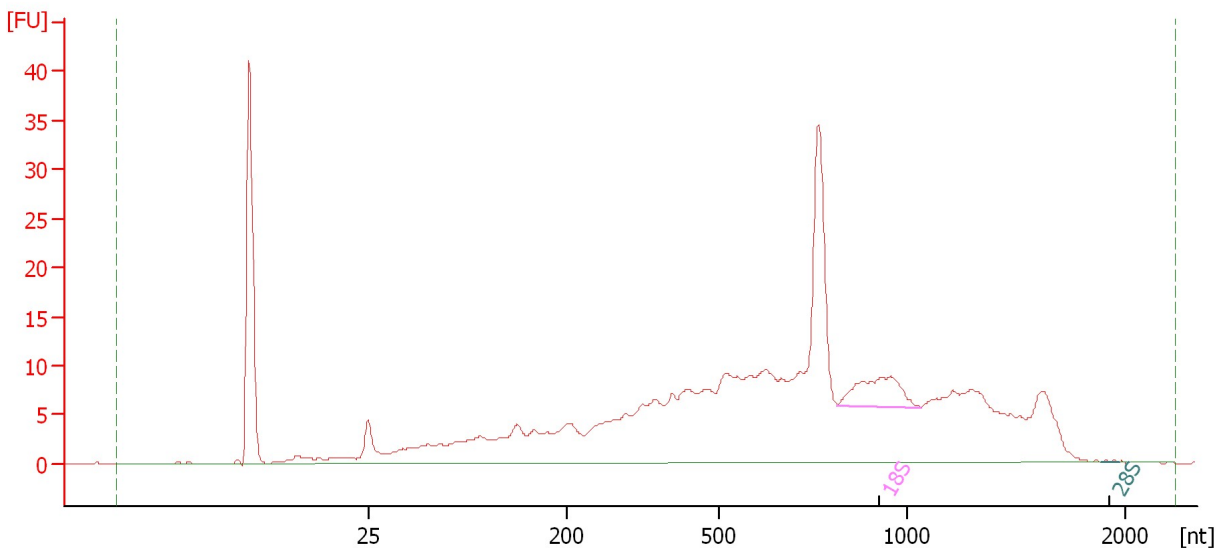
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,080	1,330	18.0	5.7
28S	2,452	2,776	6.0	1.9

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Electropherogram Summary Continued ...

Virgin Input 1.14.19 diluted



Overall Results for sample 5 : Virgin Input 1.14.19 diluted

RNA Area: 448.2 RNA Integrity Number (RIN): 2.4 (B.02.08)
RNA Concentration: 1,681 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 2.40

Fragment table for sample 5 : Virgin Input 1.14.19 diluted

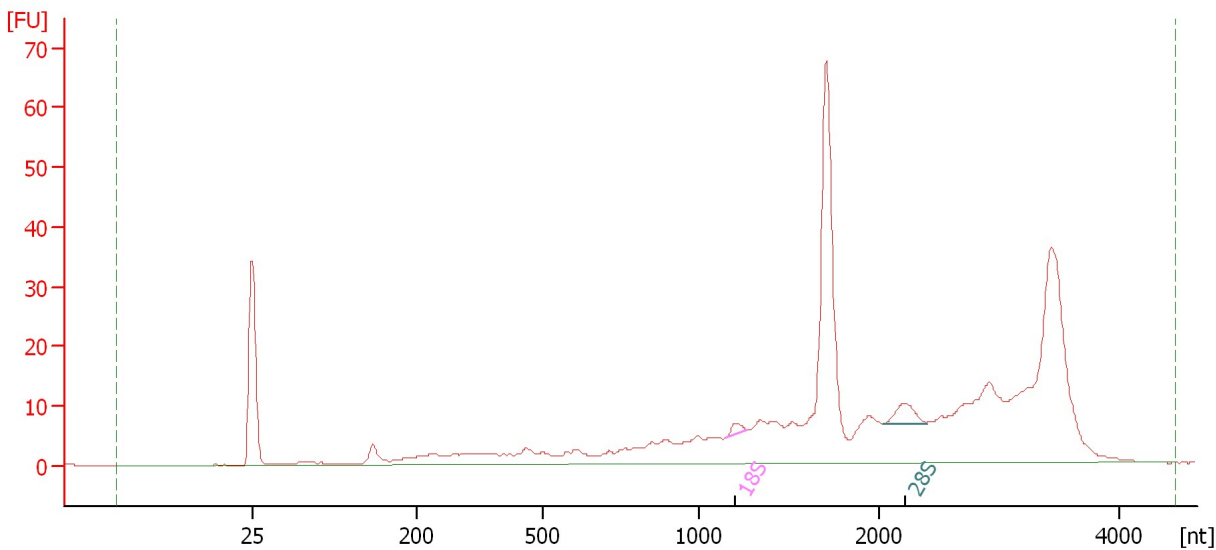
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	814	1,061	12.6	2.8
28S	1,890	1,968	0.1	0.0

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Electropherogram Summary Continued ...

Postpartum Input 1.14.19 diluted



Overall Results for sample 6 : Postpartum Input 1.14.19 diluted

RNA Area: 446.3 RNA Integrity Number (RIN): 2.6 (B.02.08)
RNA Concentration: 1,674 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.9 Result Flagging Label: RIN: 2.60

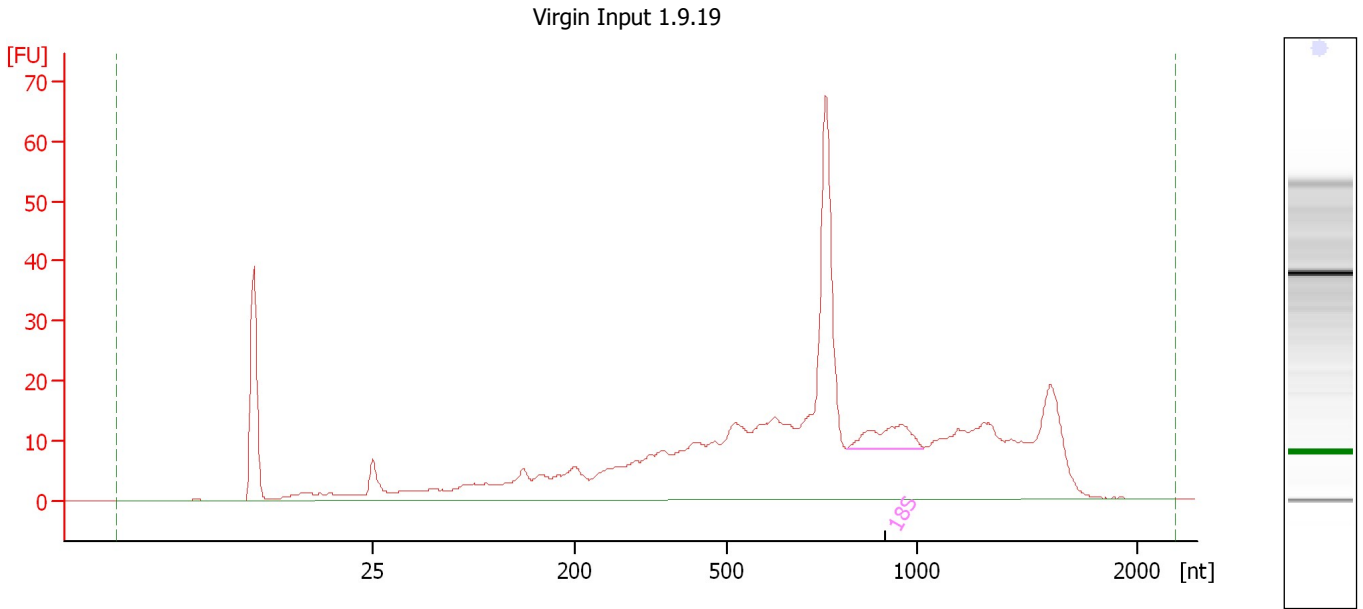
Fragment table for sample 6 : Postpartum Input 1.14.19 diluted

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,146	1,271	2.0	0.5
28S	2,035	2,399	5.9	1.3

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Electropherogram Summary Continued ...



Overall Results for sample 7 : Virgin Input 1.9.19

RNA Area:	633.8	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	2,377 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Fragment table for sample 7 : Virgin Input 1.9.19

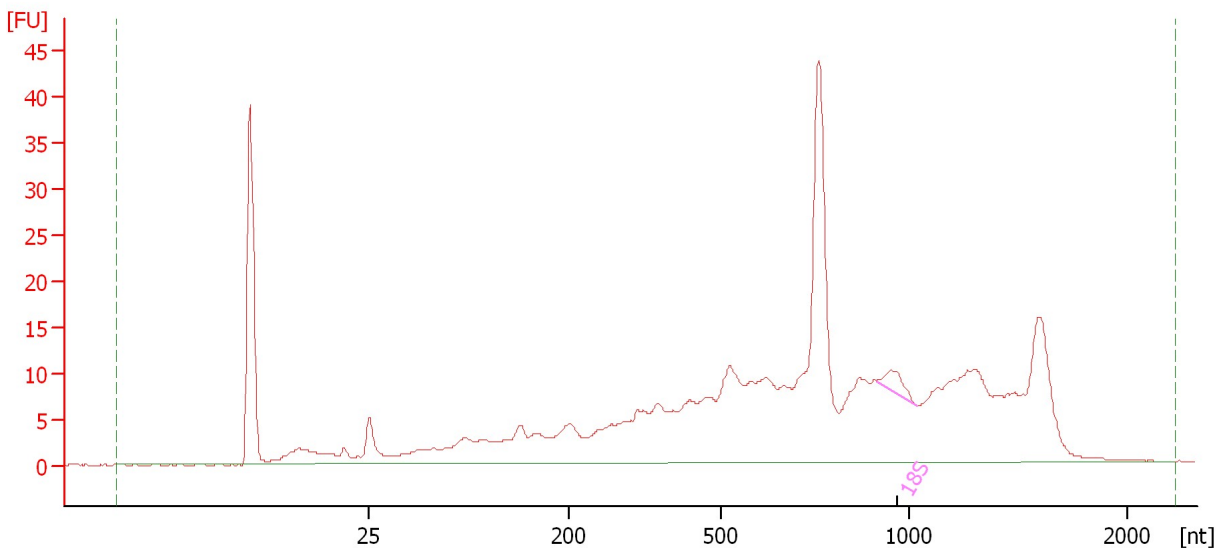
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	815	1,032	15.2	2.4

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Electropherogram Summary Continued ...

Postpartum Input 1.9.19



Overall Results for sample 8 : Postpartum Input 1.9.19

RNA Area:	486.8	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	1,825 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Fragment table for sample 8 : Postpartum Input 1.9.19

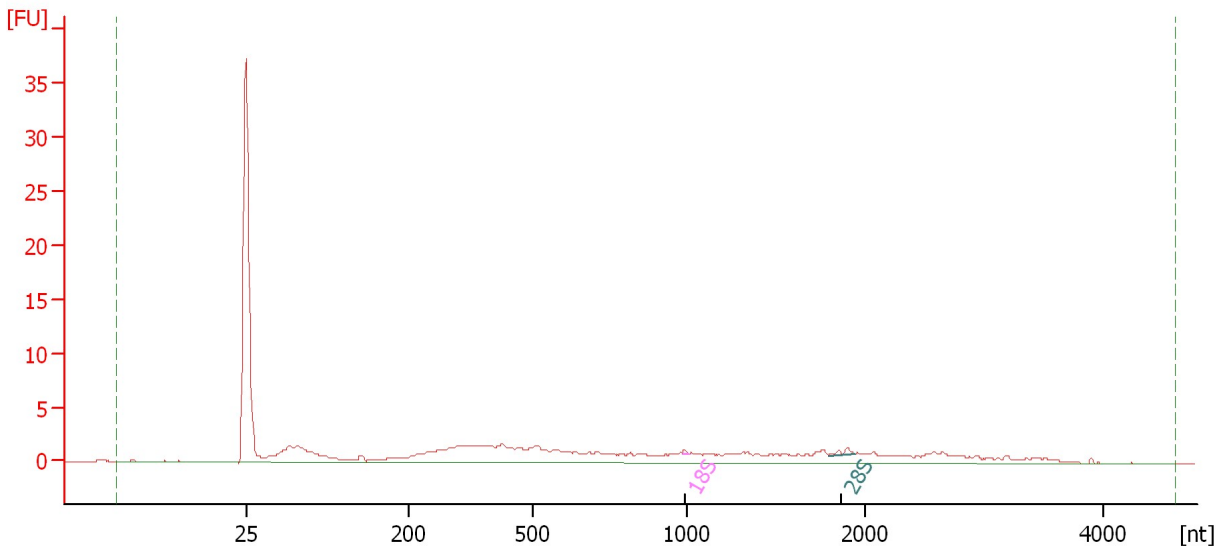
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	914	1,033	4.0	0.8

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Electropherogram Summary Continued ...

Virgin 1.9.19



Overall Results for sample 9 : Virgin 1.9.19

RNA Area: 70.2 RNA Integrity Number (RIN): 1.9 (B.02.08)
RNA Concentration: 263 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 4.4 Result Flagging Label: RIN: 1.90

Fragment table for sample 9 : Virgin 1.9.19

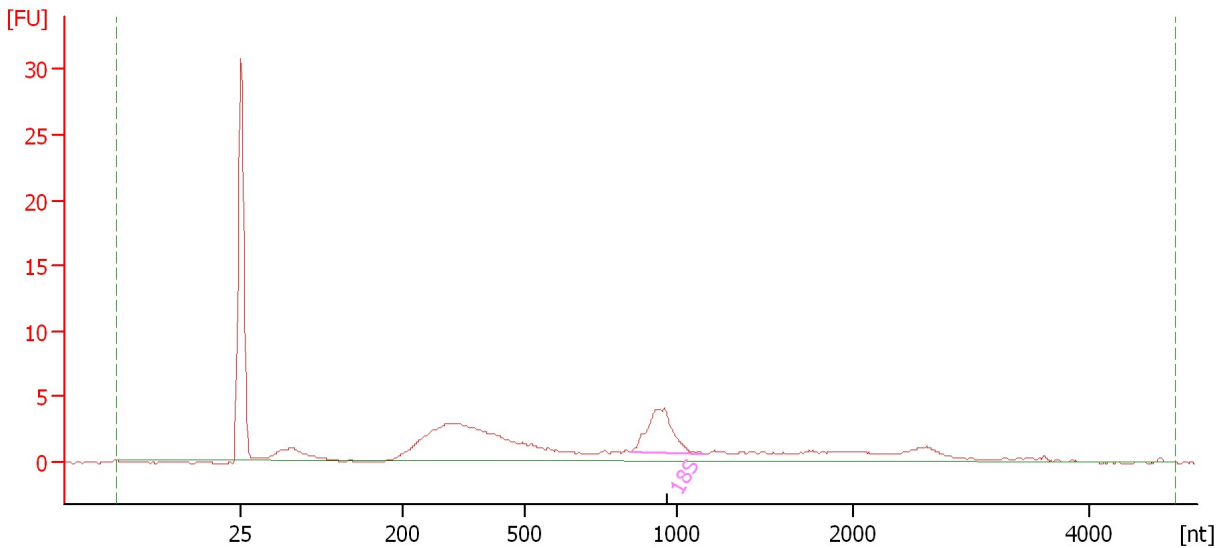
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	984	1,015	0.1	0.2
28S	1,794	1,944	0.6	0.8

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Electropherogram Summary Continued ...

Postpartum 1.9.19



Overall Results for sample 10 : Postpartum 1.9.19

RNA Area:	78.0	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	293 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.80

Fragment table for sample 10 : Postpartum 1.9.19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	847	1,155	10.3	13.2

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Gel Image

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Invalid Samples

Sample 11 has not been run, no results available.