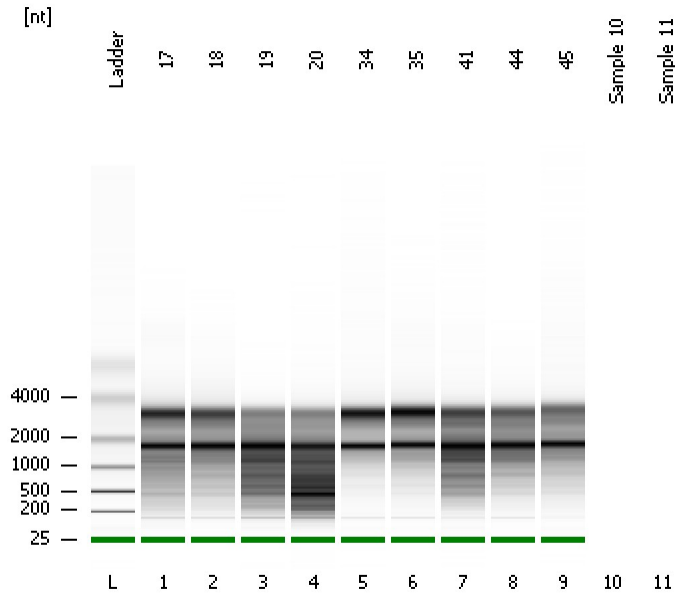


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
Modified: 8/29/2018 12:45:50 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

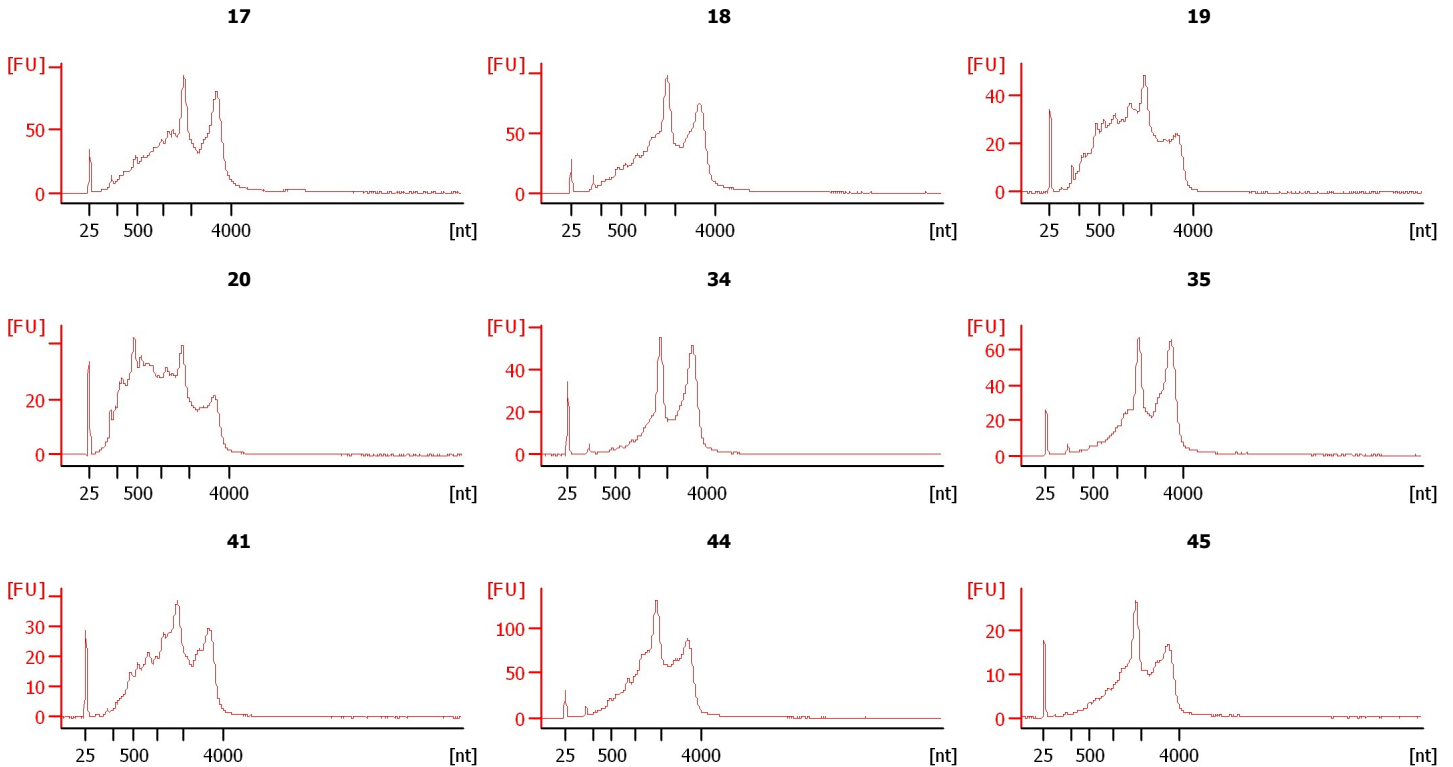
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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Chip Information:

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



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
Modified: 8/29/2018 12:45:50 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
17		✓		
18		✓		
19		✓		
20		✓		
34		✓		
35		✓		
41		✓		
44		✓		
45		✓		
Sample 10				
Sample 11				
Ladder		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
Modified: 8/29/2018 12:45:50 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 14
Maximum Visible Range [s] : 85
Start Analysis Time Range [s] : 15
End Analysis Time Range [s] : 84
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] : 15
Integration End Time [s] : 84
Slope Threshold : 0.2
Height Threshold [FU] : 0.5
Area Threshold : 0.1
Width Threshold [s] : 0.2
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

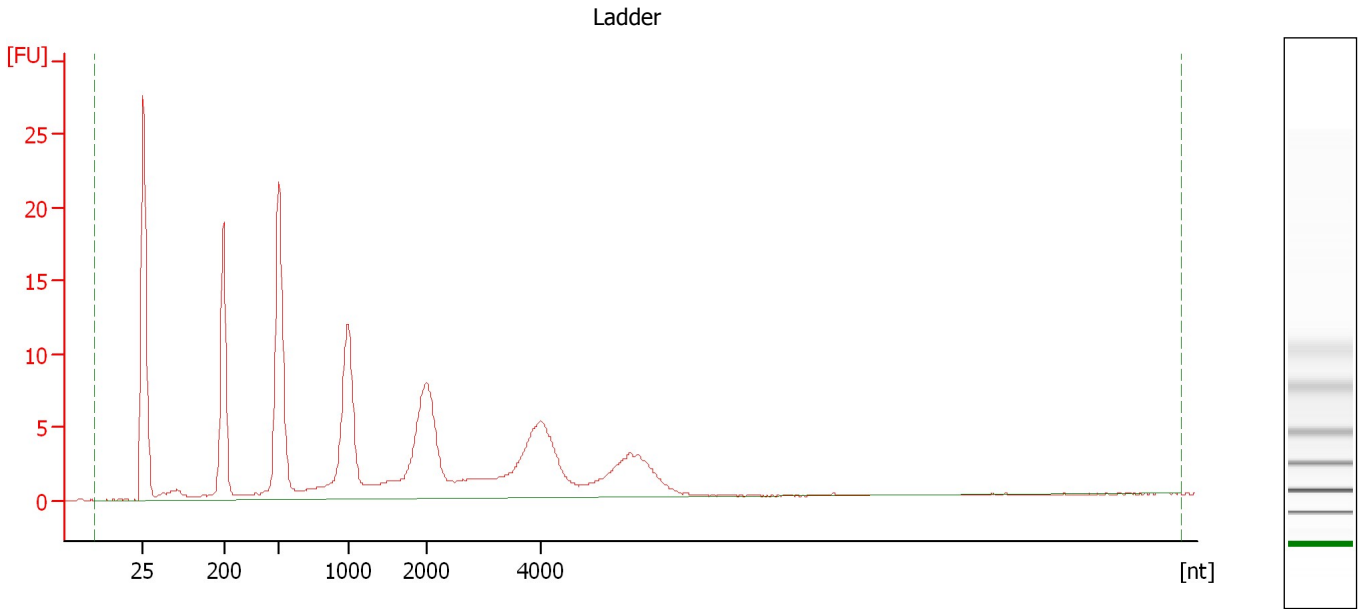
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
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Electropherogram Summary



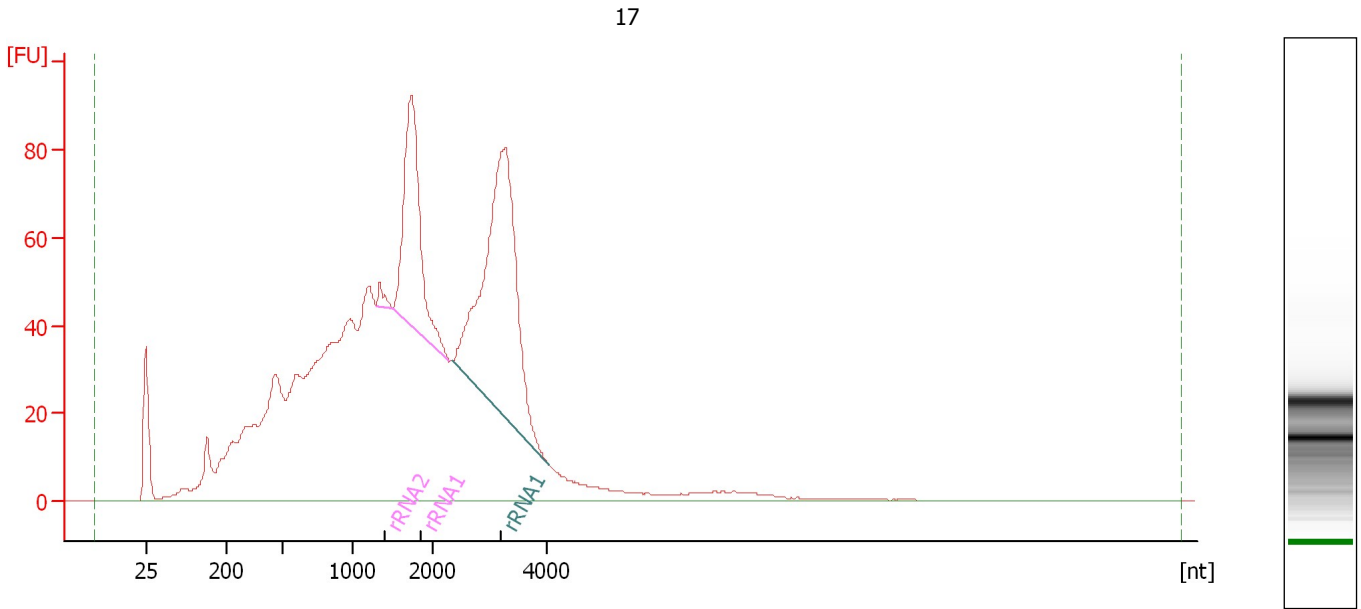
Overall Results for Ladder

RNA Area: 227.2 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : 17

RNA Area: 2,417.8 rRNA Contamination: 21.7 %
RNA Concentration: 10,642 pg/μl

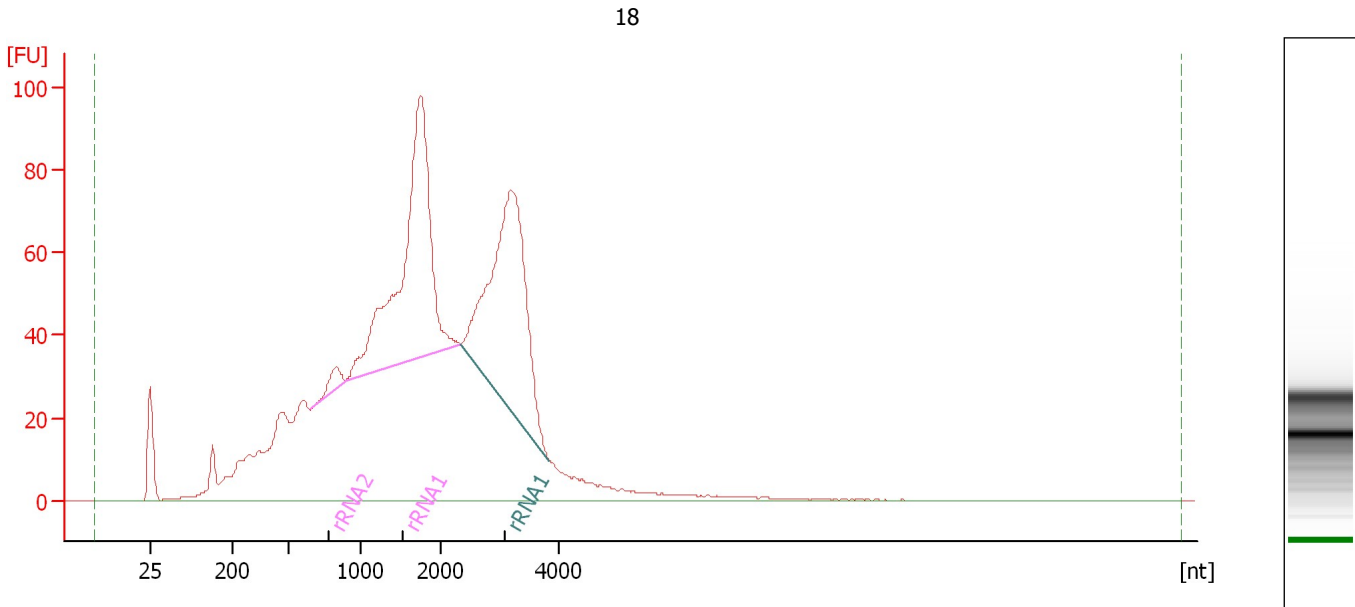
Fragment table for sample 1 : 17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,300	1,500	6.1	0.3
rRNA1	1,510	2,294	172.4	7.1
rRNA1	2,349	4,028	345.3	14.3

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 18

RNA Area: 2,306.0 rRNA Contamination: 30.1 %
RNA Concentration: 10,149 pg/μl

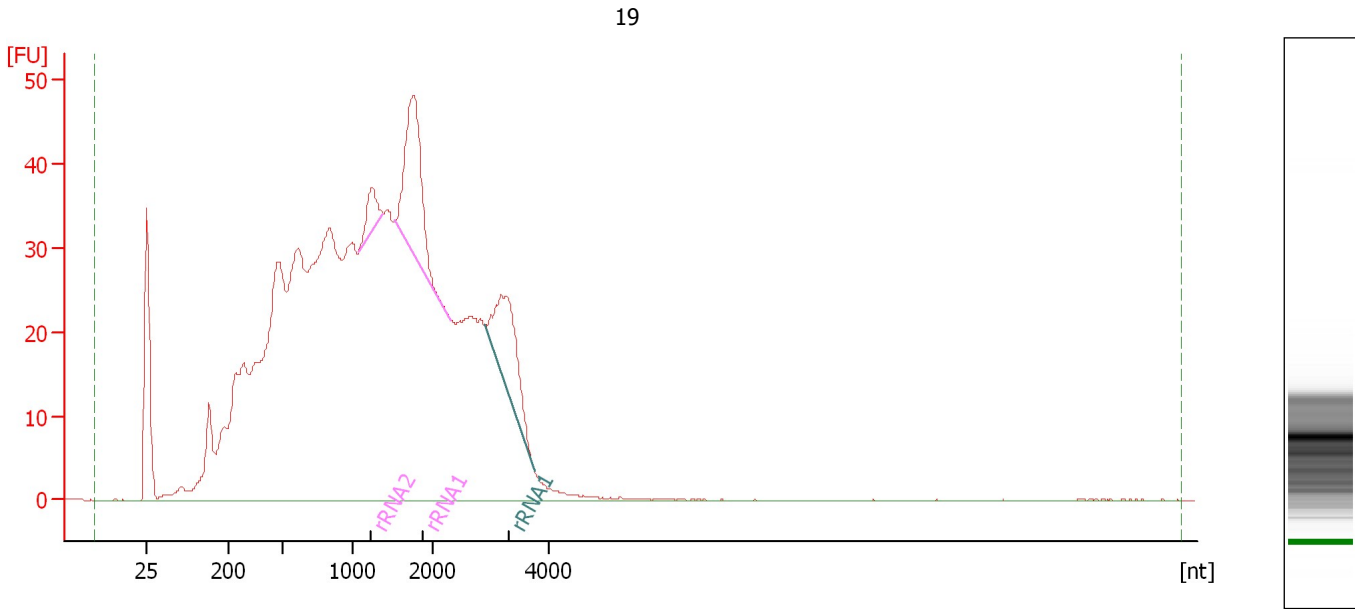
Fragment table for sample 2 : 18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	657	898	15.0	0.6
rRNA1	904	2,322	357.6	15.5
rRNA1	2,349	3,852	321.9	14.0

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 19

RNA Area: 1,579.7 rRNA Contamination: 7.3 %
RNA Concentration: 6,953 pg/μl

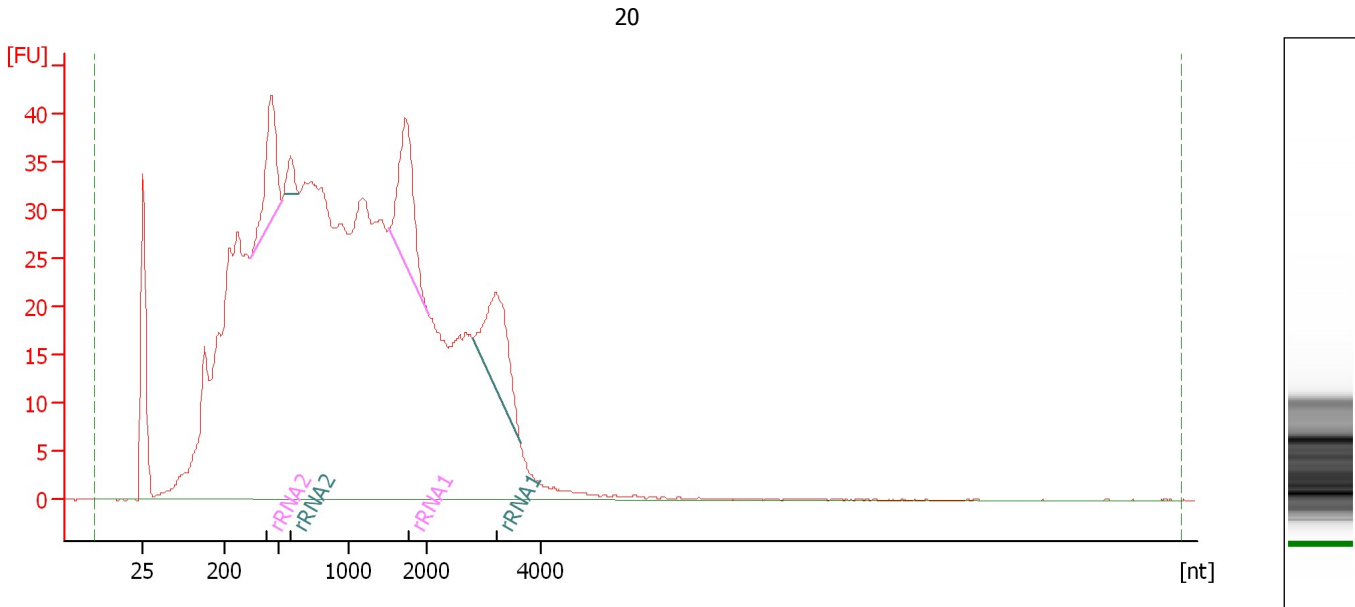
Fragment table for sample 3 : 19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,062	1,372	11.6	0.7
rRNA1	1,512	2,294	62.6	4.0
rRNA1	2,903	3,761	41.4	2.6

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : 20

RNA Area: 1,676.9 rRNA Contamination: 7.8 %
RNA Concentration: 7,381 pg/μl

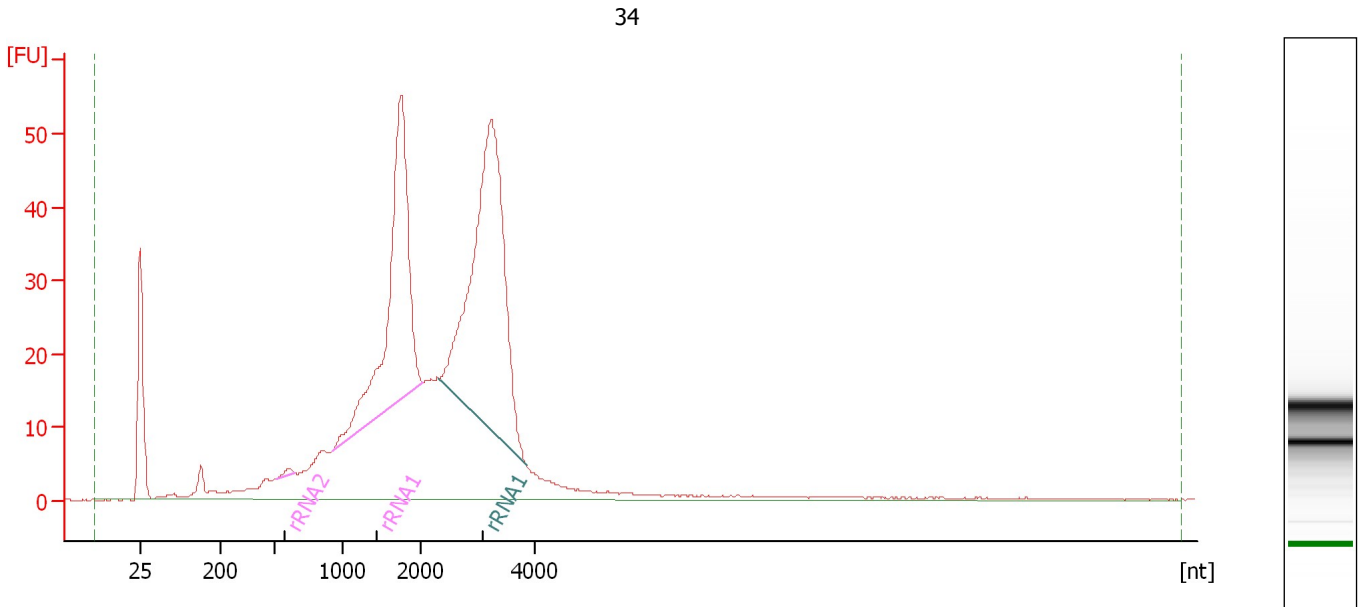
Fragment table for sample 4 : 20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	347	522	36.9	2.2
rRNA2	534	649	7.0	0.4
rRNA1	1,515	2,027	46.1	2.8
rRNA1	2,797	3,636	40.2	2.4

Assay Class: mRNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 34

RNA Area: 932.1 rRNA Contamination: 44.0 %
 RNA Concentration: 4,102 pg/μl

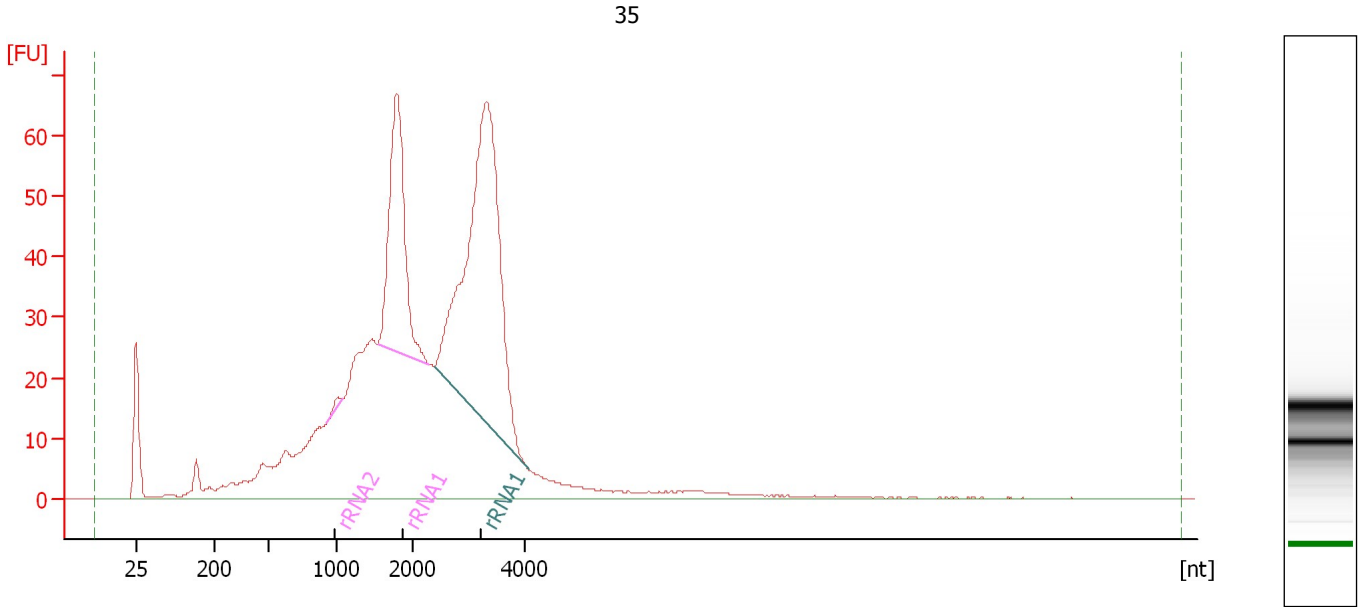
Fragment table for sample 5 : 34

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	522	655	2.2	0.2
rRNA1	928	2,038	171.0	18.3
rRNA1	2,321	3,862	236.5	25.4

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : 35

RNA Area: 1,308.5 rRNA Contamination: 34.5 %
RNA Concentration: 5,759 pg/μl

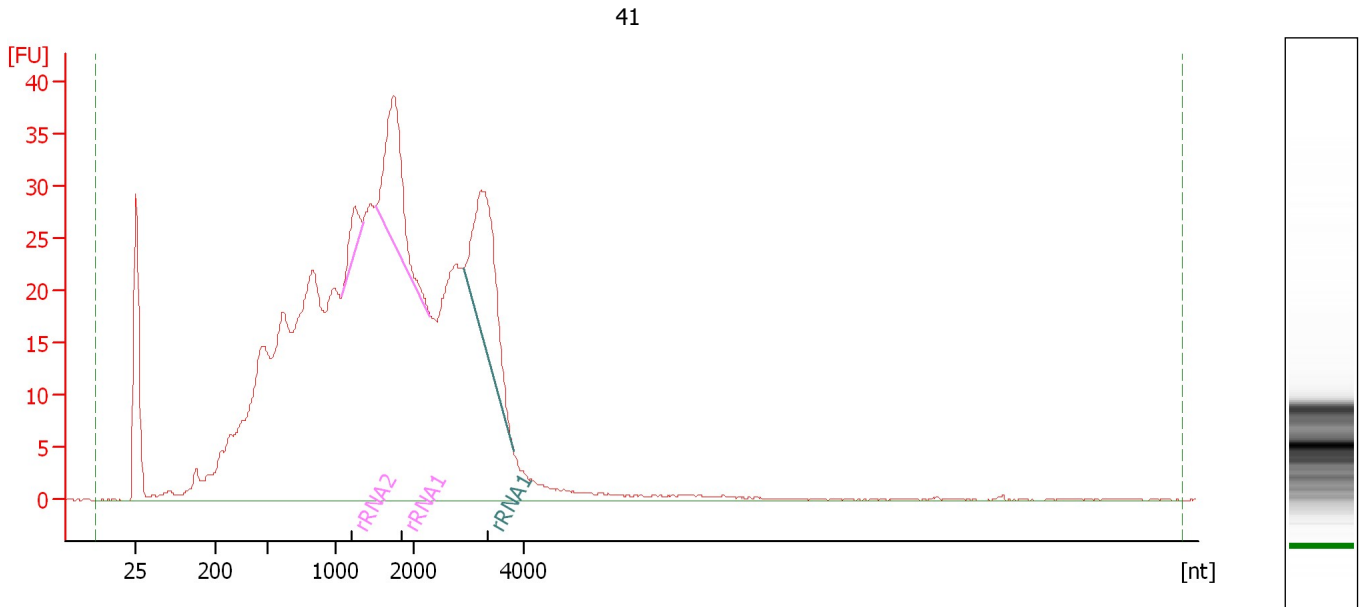
Fragment table for sample 6 : 35

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	935	1,083	2.6	0.2
rRNA1	1,538	2,278	136.0	10.4
rRNA1	2,378	4,069	313.4	23.9

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

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Electropherogram Summary Continued ...



41

Overall Results for sample 7 : 41

RNA Area: 1,170.8 rRNA Contamination: 10.0 %
RNA Concentration: 5,153 pg/μl

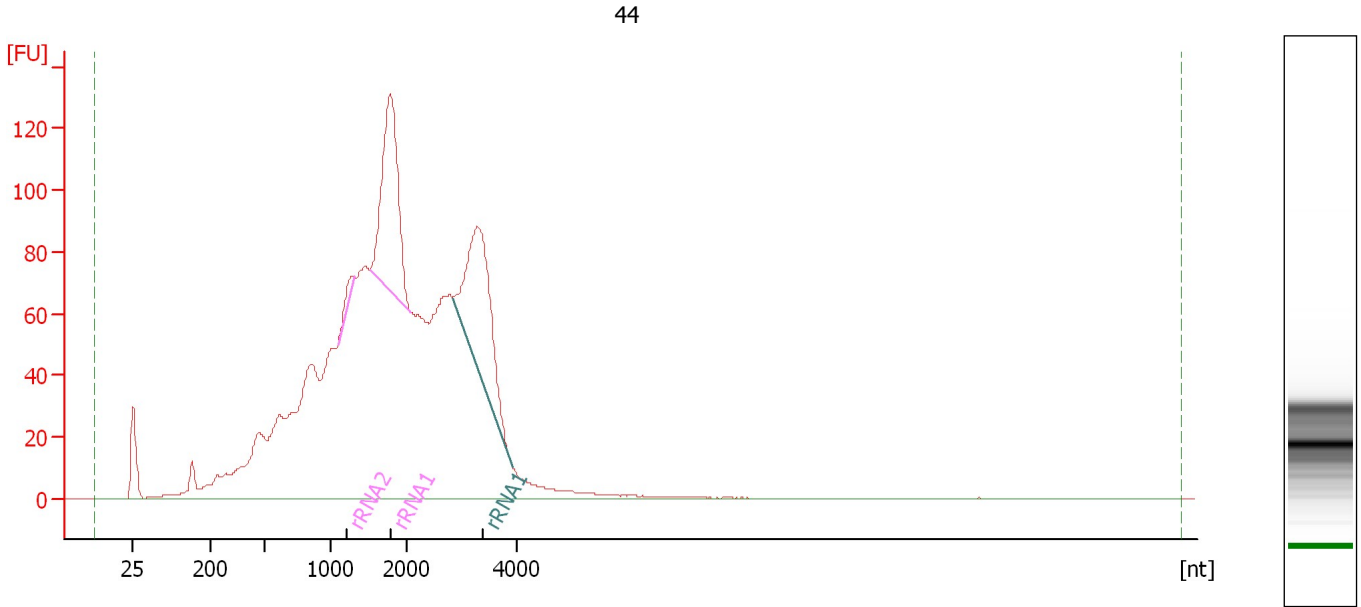
Fragment table for sample 7 : 41

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,080	1,350	9.0	0.8
rRNA1	1,516	2,321	48.5	4.1
rRNA1	2,910	3,815	59.5	5.1

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
Modified: 8/29/2018 12:45:50 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 44

RNA Area: 2,926.2 rRNA Contamination: 14.7 %
RNA Concentration: 12,879 pg/μl

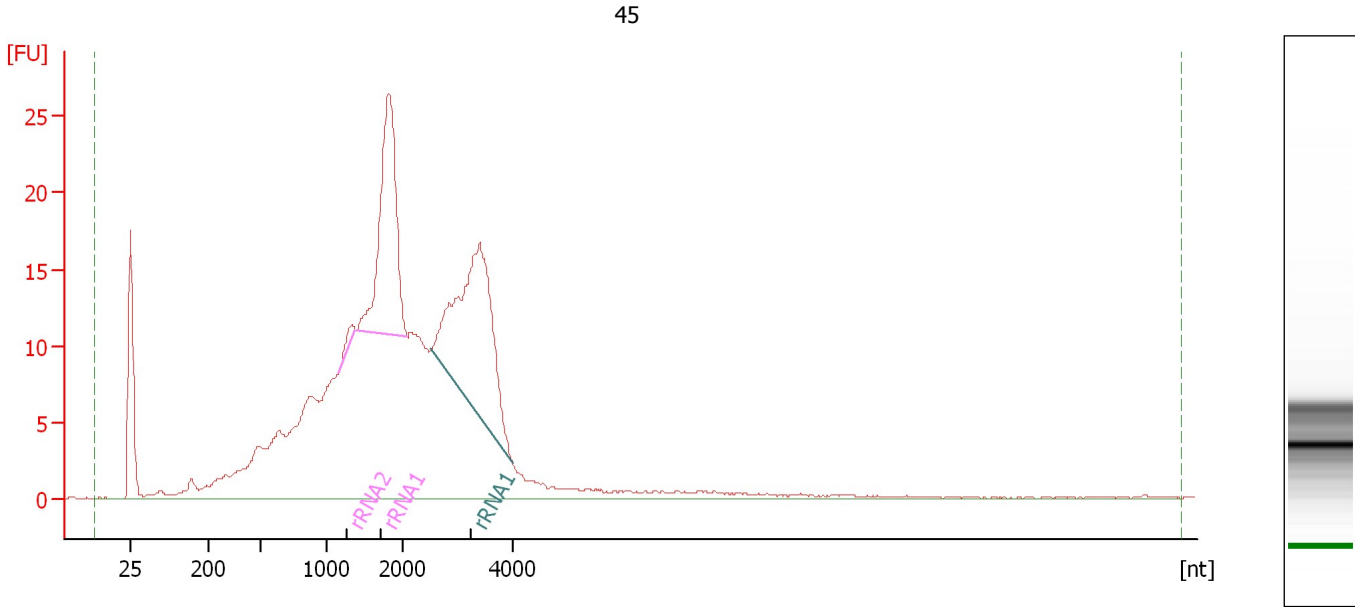
Fragment table for sample 8 : 44

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,091	1,311	11.6	0.4
rRNA1	1,510	2,060	213.6	7.3
rRNA1	2,828	3,914	204.2	7.0

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : 45

RNA Area: 531.6 rRNA Contamination: 23.8 %
RNA Concentration: 2,340 pg/μl

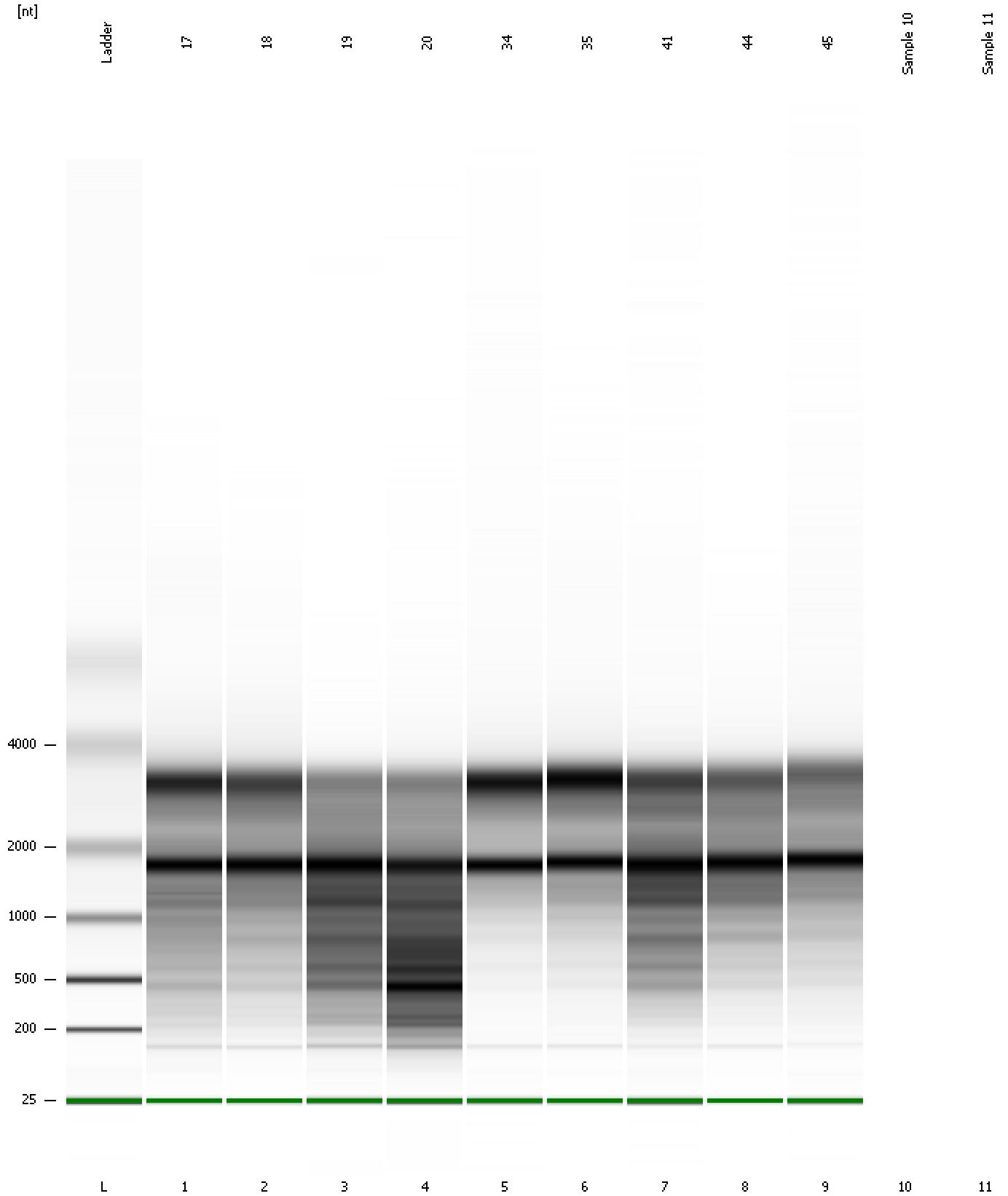
Fragment table for sample 9 : 45

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,156	1,377	2.0	0.4
rRNA1	1,388	2,087	53.6	10.1
rRNA1	2,525	4,014	70.9	13.3

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
Modified: 8/29/2018 12:45:50 PM

Gel Image



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-29\2018-08-29_001.xad

Created: 8/29/2018 12:23:19 PM
Modified: 8/29/2018 12:45:50 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.