

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_003.xad

Created: 9/13/2017 3:47:36 PM
Modified: 9/13/2017 4:13:30 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

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

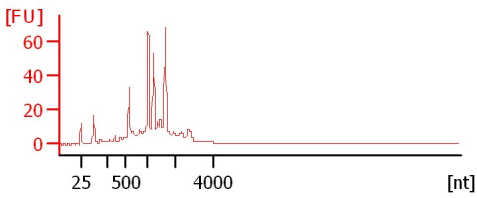
Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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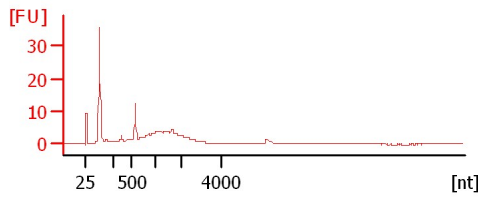
Chip Information:

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

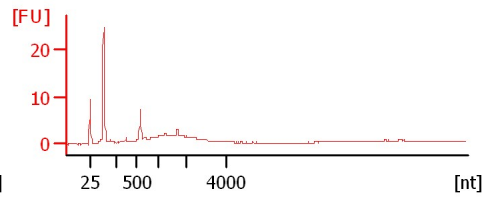
9_11_a2_single



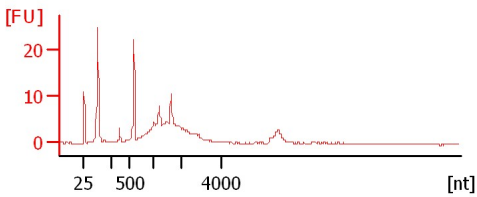
9_11_a1_double



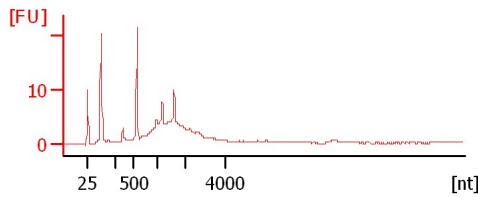
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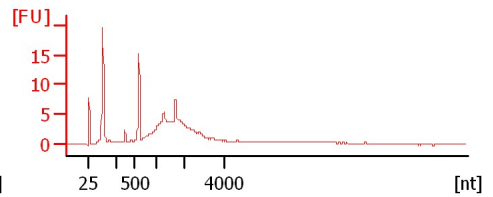
9_12_A1_a



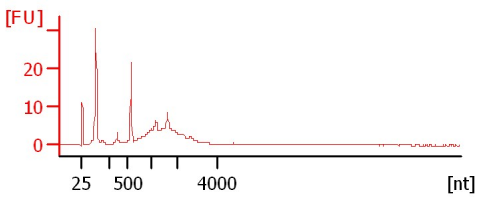
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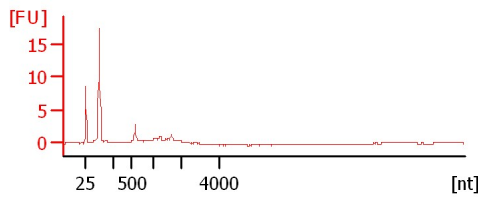
9_12_A1_b



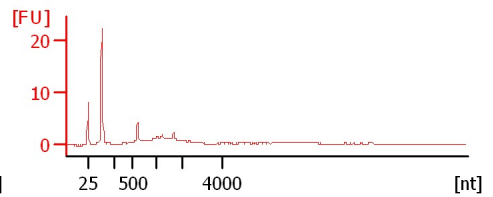
9_12_A2_b



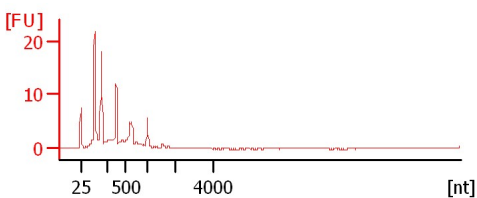
9_12_A1_c



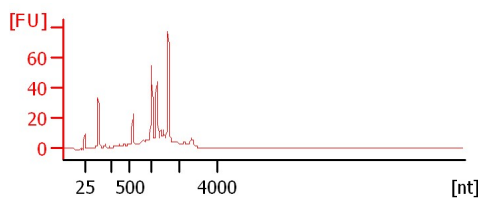
9_12_A2_c



9_12_maize_a



9_11_a1_single



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Electrophoresis File Run Summary (Chip Summary)

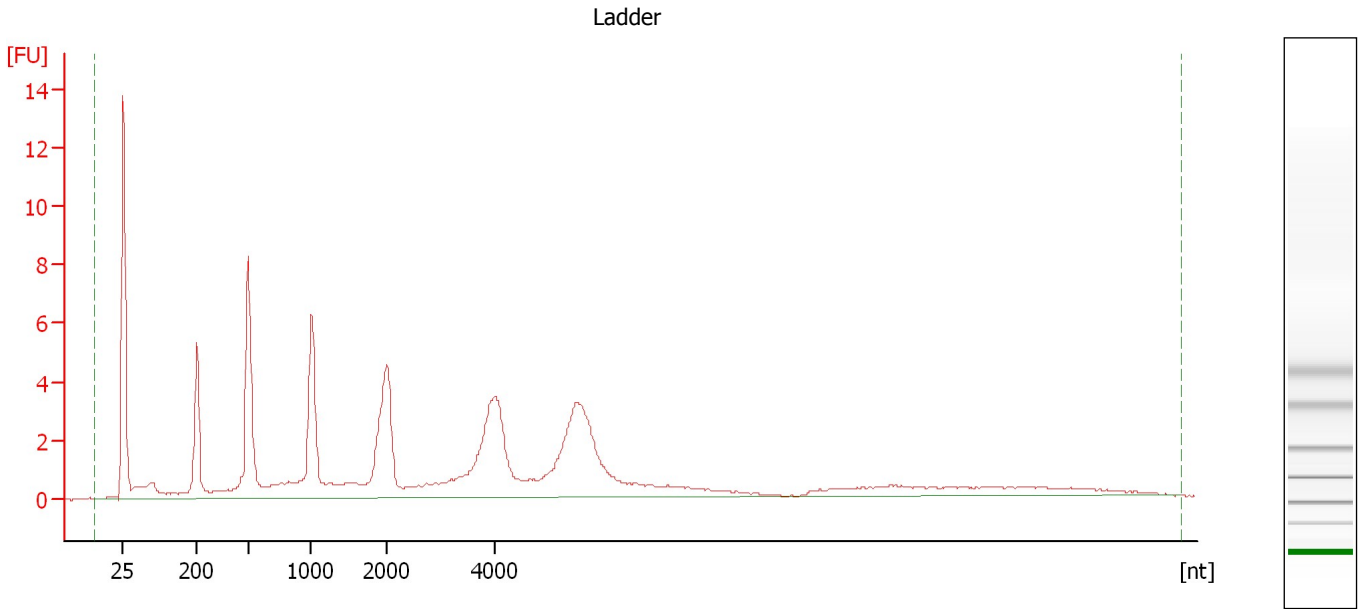
Sample Name	Sample Comment	Status	Result Label	Result Color
9_11_a2_single		✓		
9_11_a1_double		✓		
9_11_a2_double		✓		
9_12_A1_a		✓		
9_12_A2_a		✓		
9_12_A1_b		✓		
9_12_A2_b		✓		
9_12_A1_c		✓		
9_12_A2_c		✓		
9_12_maize_a		✓		
9_11_a1_single		✓		
Ladder		✓		

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

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Electropherogram Summary



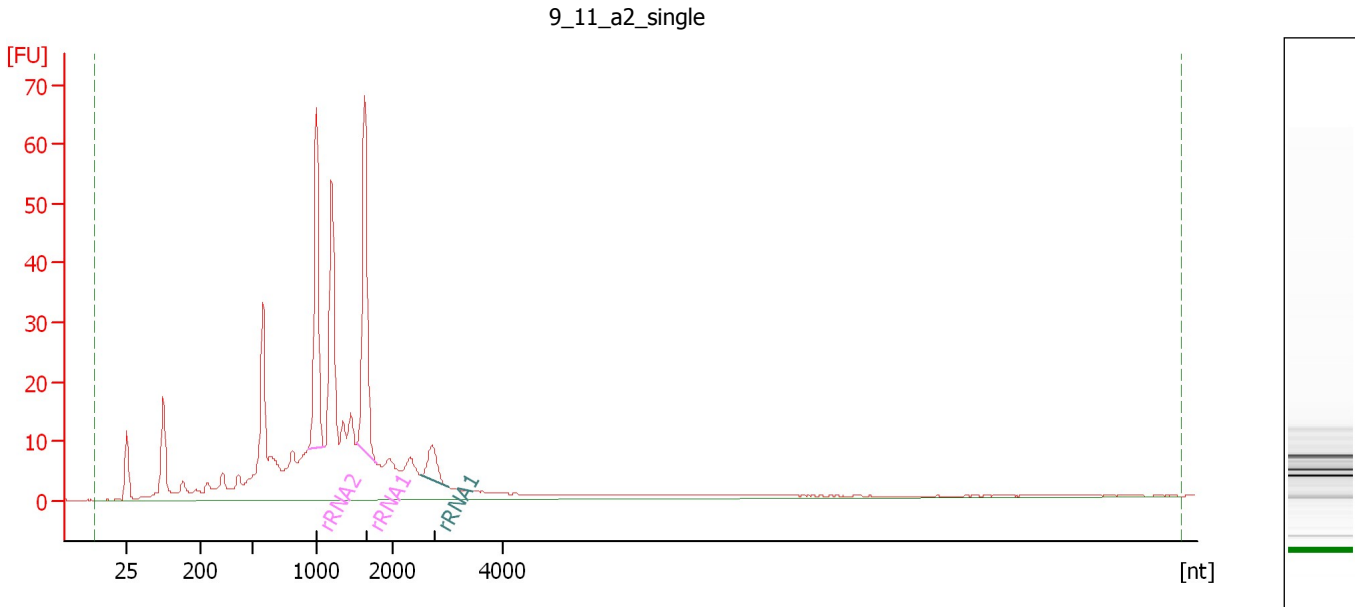
Overall Results for Ladder

RNA Area: 117.2 RNA Concentration: 1,000 pg/μl

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Electropherogram Summary Continued ...



Overall Results for sample 1 : 9_11_a2_single

RNA Area: 604.0 rRNA Contamination: 23.0 %
RNA Concentration: 5,152 pg/μl

Fragment table for sample 1 : 9_11_a2_single

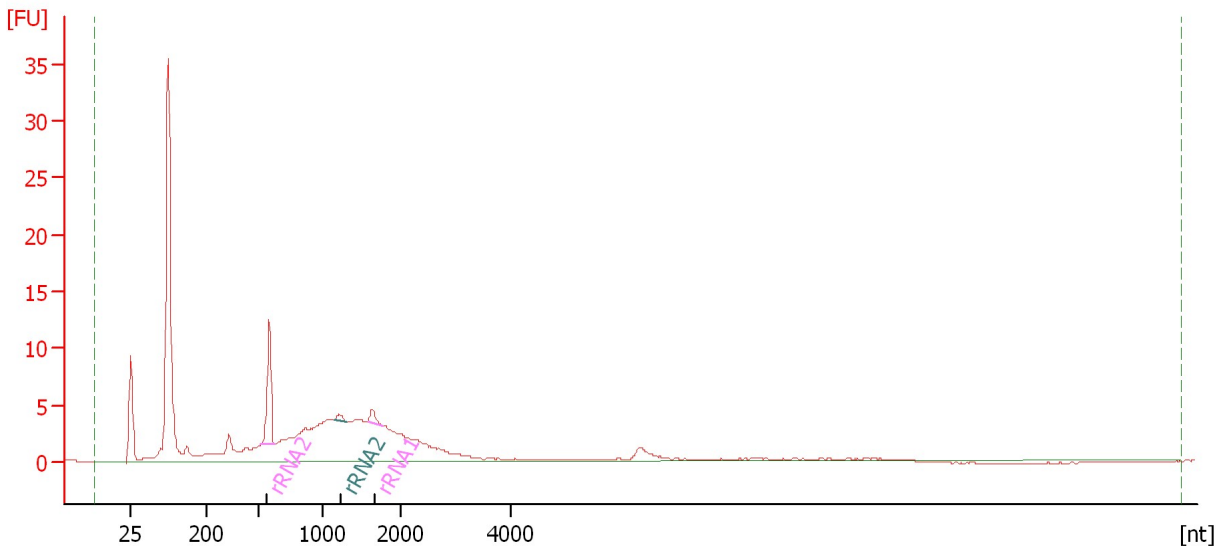
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	934	1,098	62.0	10.3
rRNA1	1,529	1,782	66.4	11.0
rRNA1	2,527	3,022	10.6	1.7

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Electropherogram Summary Continued ...

9_11_a1_double



Overall Results for sample 2 : 9_11_a1_double

RNA Area: 205.8 rRNA Contamination: 6.6 %
RNA Concentration: 1,755 pg/μl

Fragment table for sample 2 : 9_11_a1_double

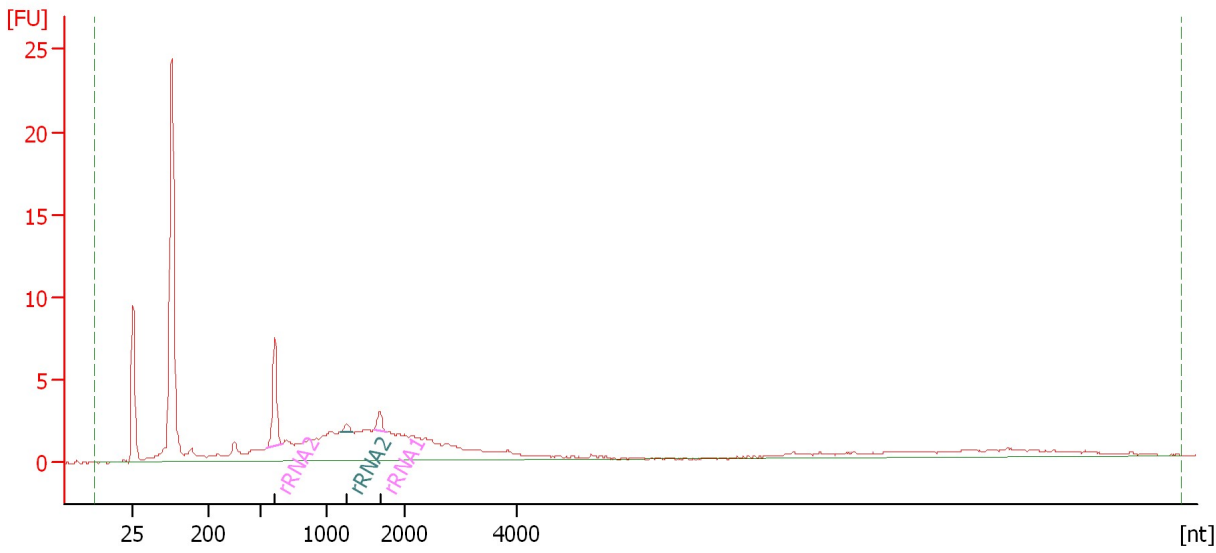
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	524	622	11.5	5.6
rRNA2	1,135	1,290	0.7	0.4
rRNA1	1,581	1,757	1.2	0.6

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...

9_11_a2_double



Overall Results for sample 3 : 9_11_a2_double

RNA Area: 129.4 rRNA Contamination: 7.0 %
RNA Concentration: 1,104 pg/μl

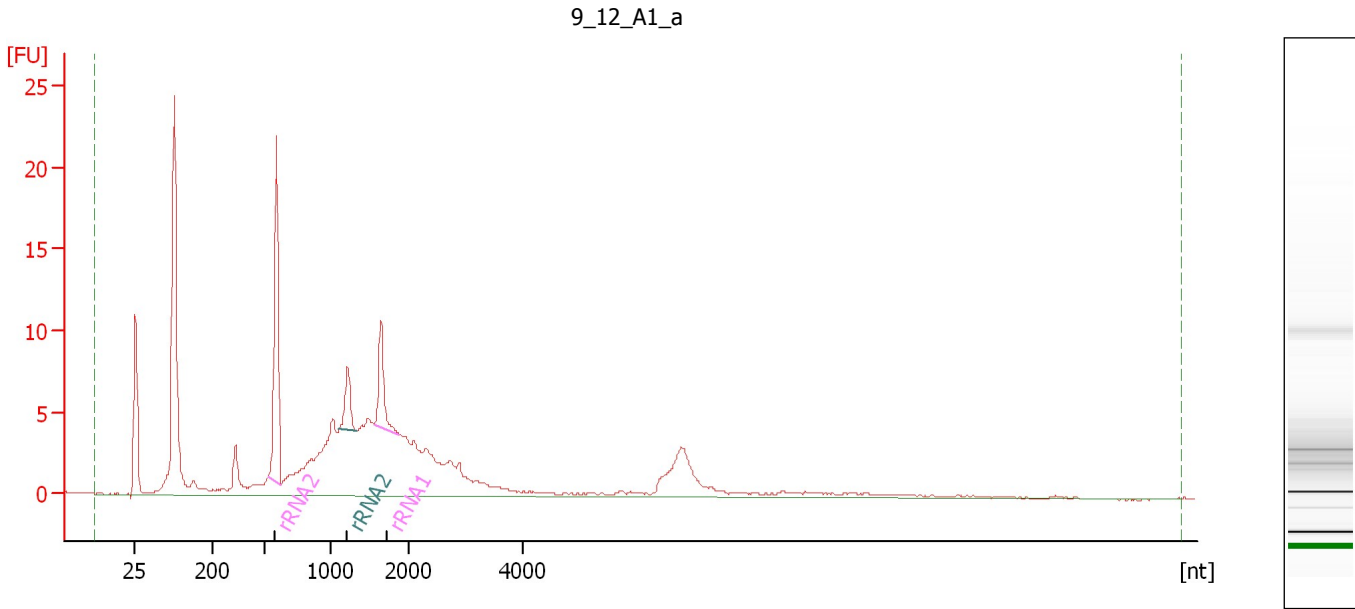
Fragment table for sample 3 : 9_11_a2_double

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	540	655	7.3	5.6
rRNA2	1,175	1,319	0.6	0.4
rRNA1	1,597	1,761	1.3	1.0

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 4 : 9_12_A1_a

RNA Area: 218.7 rRNA Contamination: 15.3 %
RNA Concentration: 1,865 pg/μl

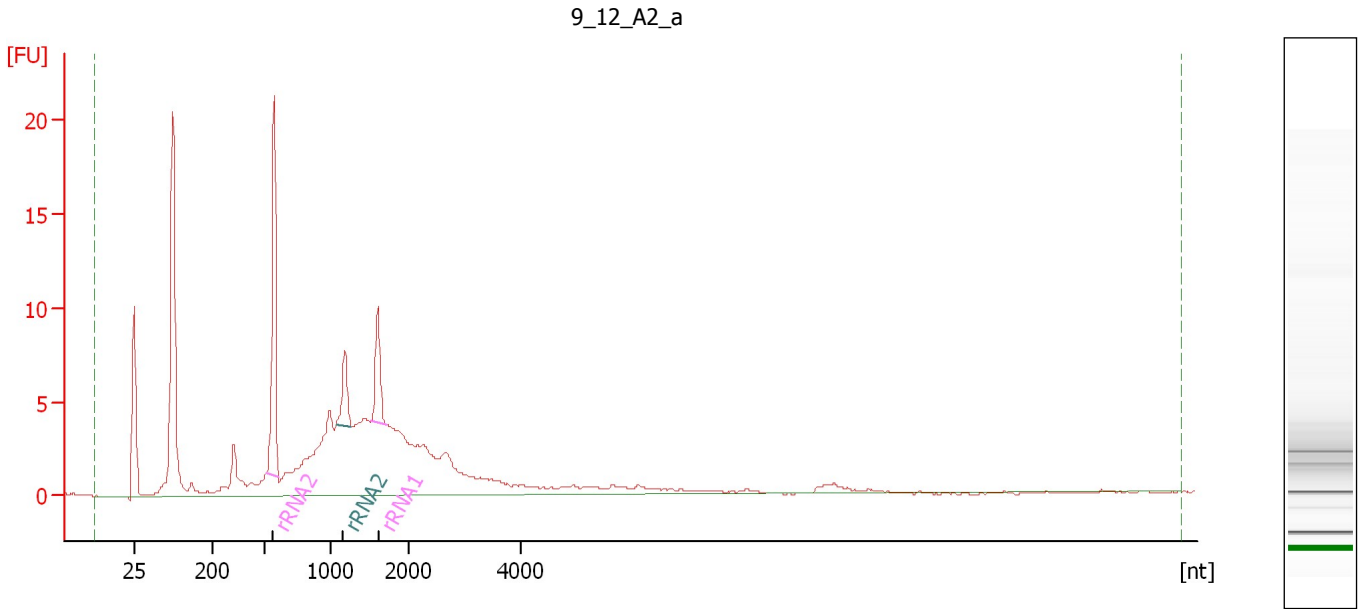
Fragment table for sample 4 : 9_12_A1_a

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	526	622	21.7	9.9
rRNA2	1,102	1,316	4.6	2.1
rRNA1	1,551	1,867	7.1	3.3

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 9_12_A2_a

RNA Area: 194.1 rRNA Contamination: 15.9 %
RNA Concentration: 1,656 pg/μl

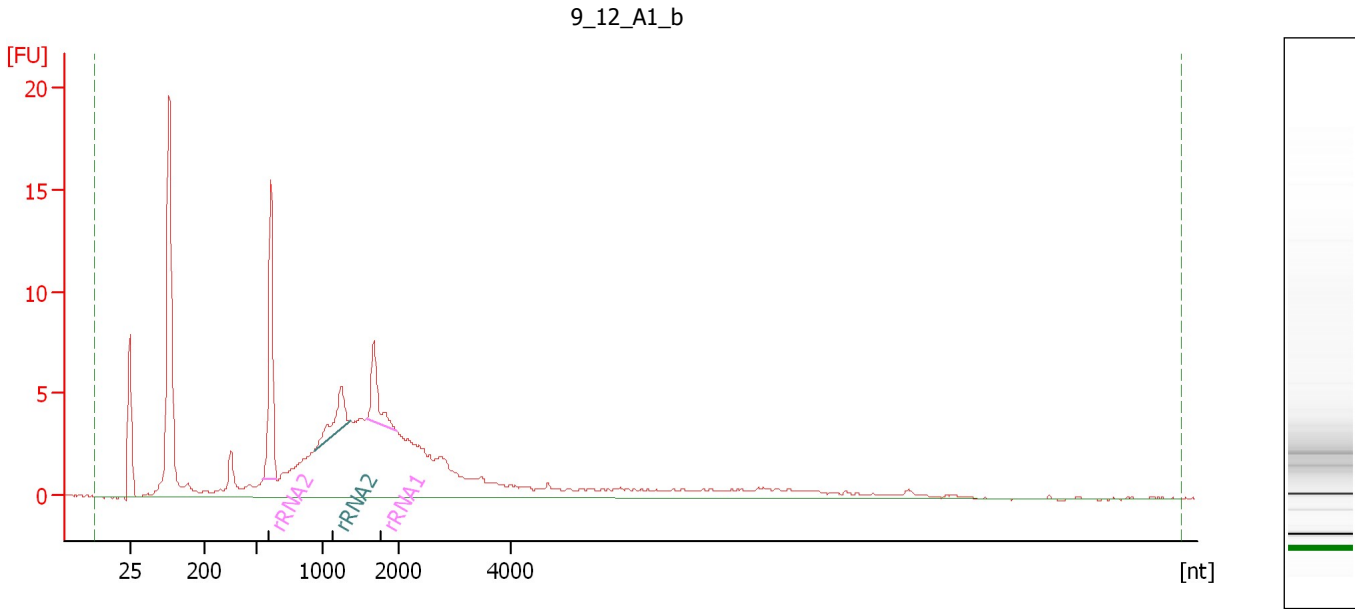
Fragment table for sample 5 : 9_12_A2_a

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	523	607	20.0	10.3
rRNA2	1,078	1,273	4.6	2.4
rRNA1	1,529	1,723	6.2	3.2

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 6 : 9_12_A1_b

RNA Area: 191.4 rRNA Contamination: 14.0 %
RNA Concentration: 1,633 pg/μl

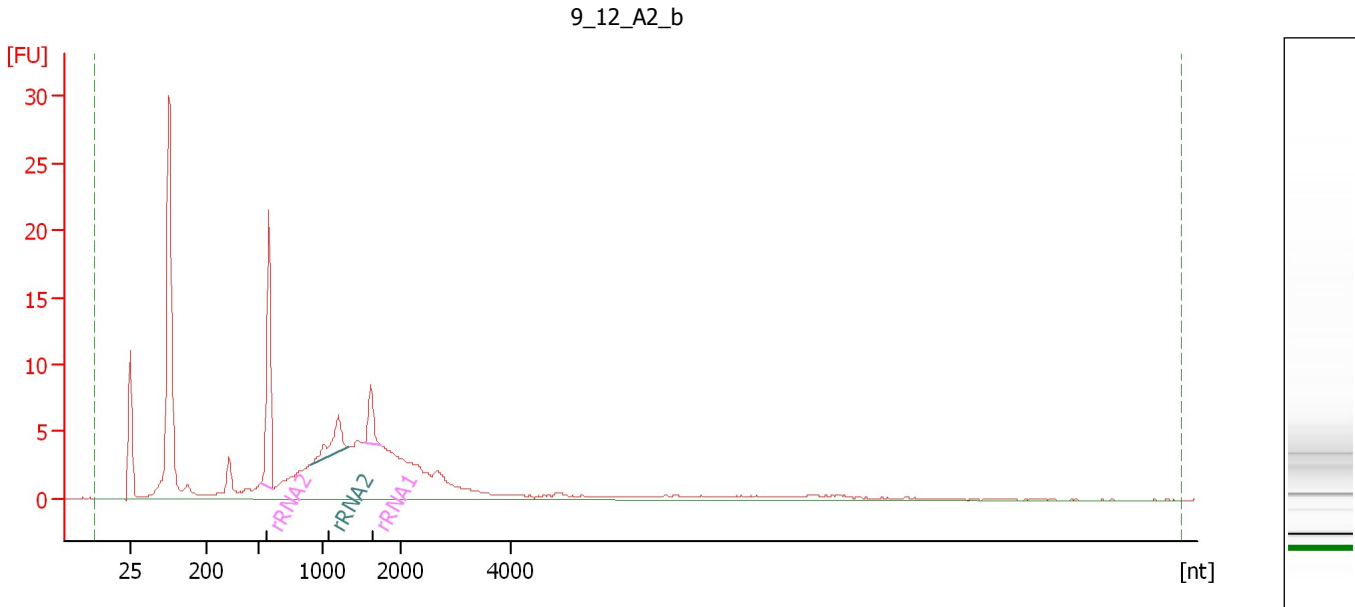
Fragment table for sample 6 : 9_12_A1_b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	545	649	16.1	8.4
rRNA2	943	1,371	5.1	2.6
rRNA1	1,589	1,964	5.7	3.0

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : 9_12_A2_b

RNA Area: 225.2 rRNA Contamination: 14.5 %
RNA Concentration: 1,921 pg/μl

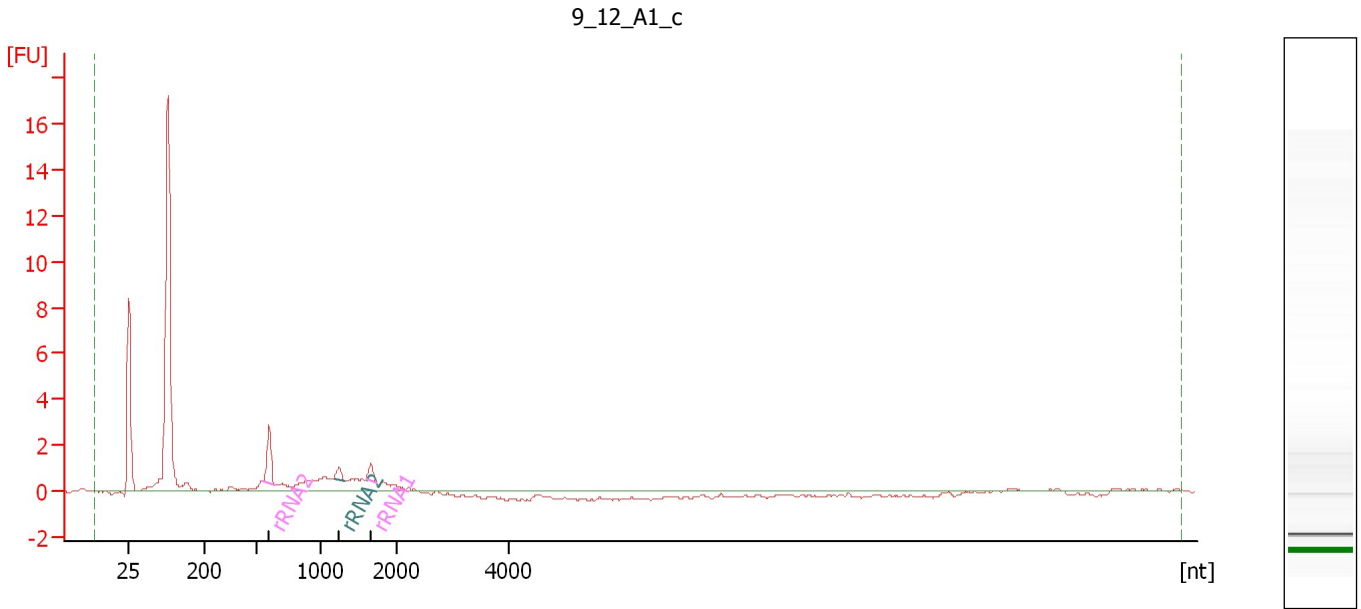
Fragment table for sample 7 : 9_12_A2_b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	524	616	21.3	9.5
rRNA2	902	1,321	6.5	2.9
rRNA1	1,529	1,736	4.7	2.1

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : 9_12_A1_c

RNA Area: 47.4 rRNA Contamination: 8.7 %
RNA Concentration: 404 pg/μl

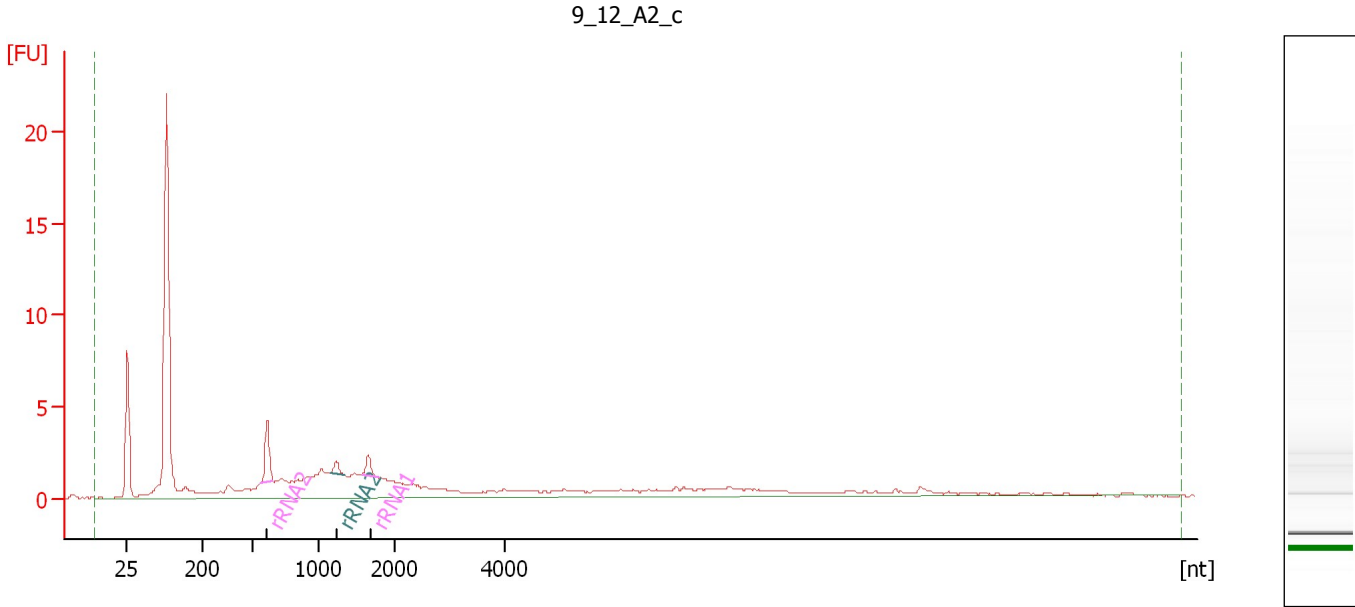
Fragment table for sample 8 : 9_12_A1_c

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	548	646	2.8	5.9
rRNA2	1,170	1,306	0.6	1.2
rRNA1	1,587	1,723	0.8	1.6

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 9 : 9_12_A2_c

RNA Area: 111.4 rRNA Contamination: 5.3 %
RNA Concentration: 950 pg/μl

Fragment table for sample 9 : 9_12_A2_c

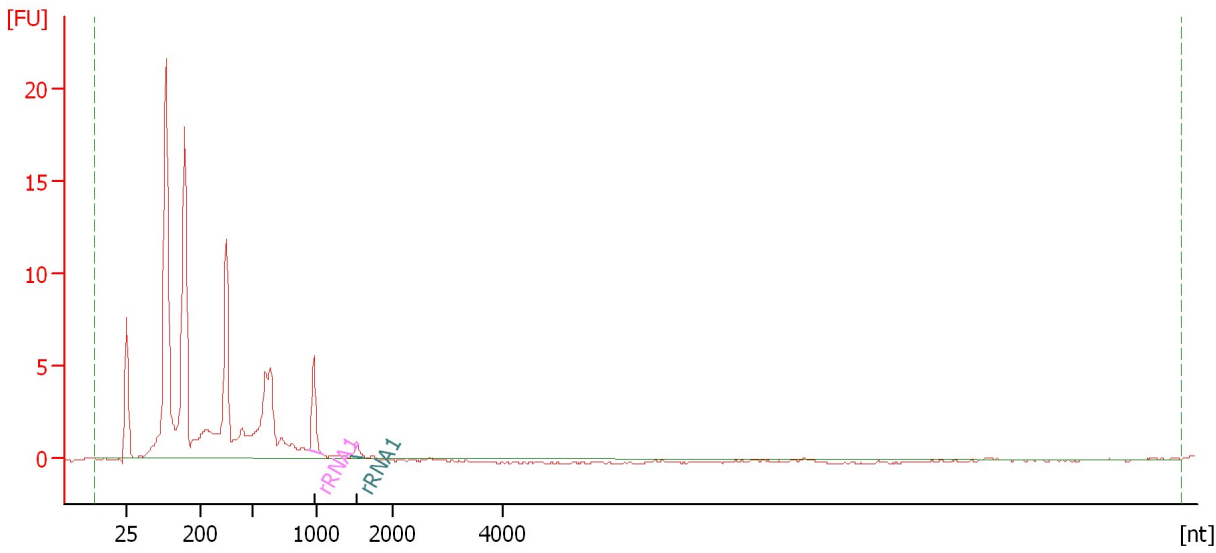
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	548	652	4.0	3.6
rRNA2	1,164	1,342	0.7	0.7
rRNA1	1,584	1,783	1.2	1.1

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Electropherogram Summary Continued ...

9_12_maize_a



Overall Results for sample 10 : 9_12_maize_a

RNA Area: 133.5 rRNA Contamination: 4.2 %
RNA Concentration: 1,139 pg/μl

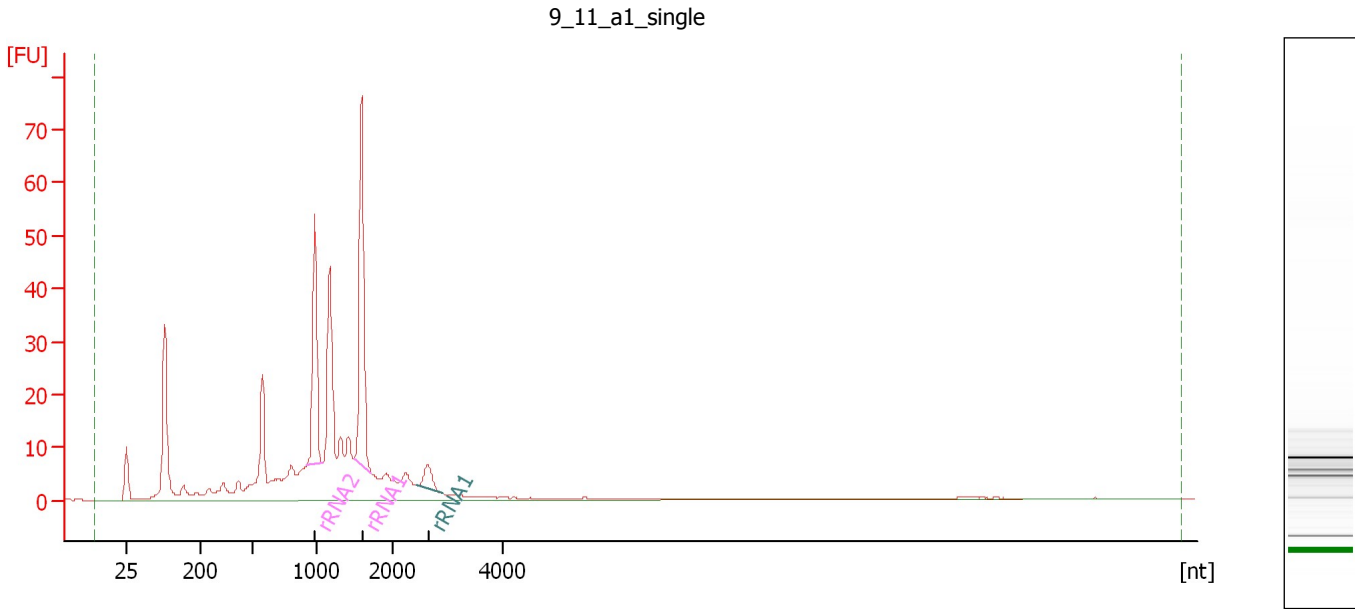
Fragment table for sample 10 : 9_12_maize_a

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	940	1,077	4.8	3.6
rRNA1	1,455	1,634	0.9	0.7

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 11 : 9 11 a1 single

RNA Area: 497.1 rRNA Contamination: 25.2 %
RNA Concentration: 4,240 pg/μl

Fragment table for sample 11 : 9 11 a1 single

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	927	1,066	48.0	9.7
rRNA1	1,487	1,718	70.2	14.1
rRNA1	2,454	2,905	7.2	1.5

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-13\2017-09-13_003.xad

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