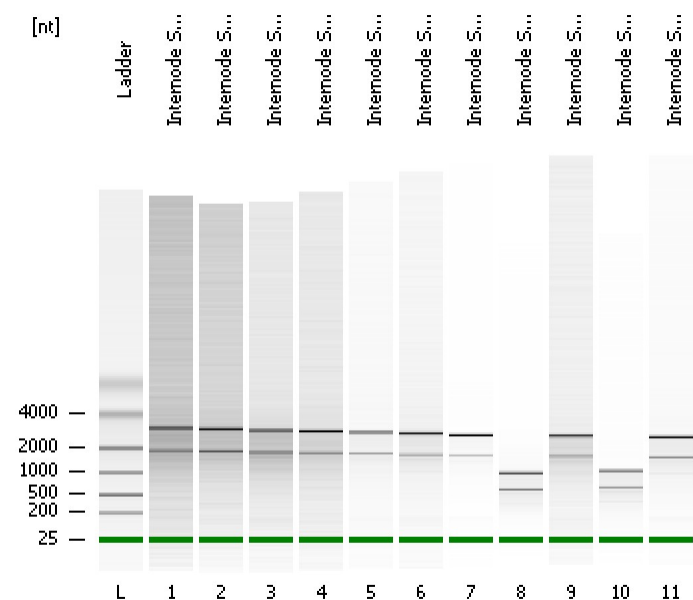


Assay Class: mRNA Pico
Data Path: D:\...12\2100 expert_mRNA Pico_DE24802235_2011-12-12_12-51-26.xad

Created: 12/12/2011 12:51:26 PM
Modified: 12/12/2011 1:17:29 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: Ann's baby
Serial#: DE24802235
Firmware: C.01.069
Type: G2938B

Assay Information:

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

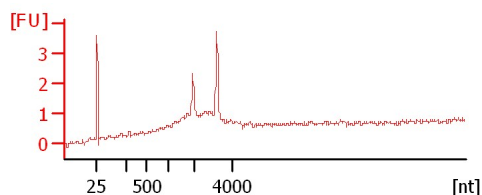
Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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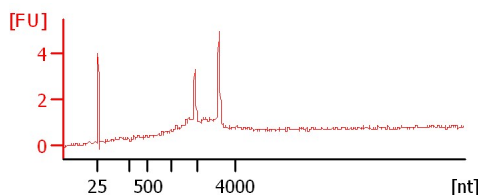
Chip Information:

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

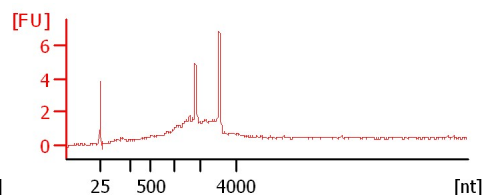
Internode Sample 1



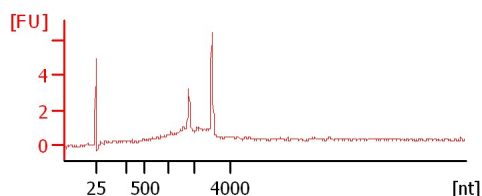
Internode Sample 2



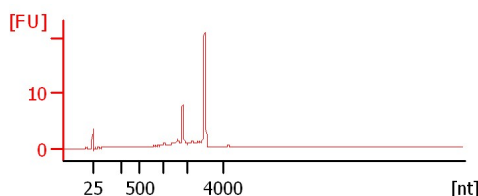
Internode Sample 3



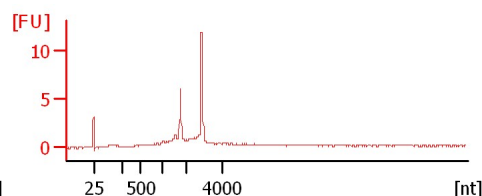
Internode Sample 4



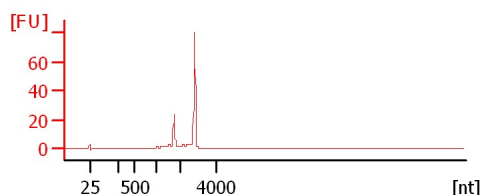
Internode Sample 5



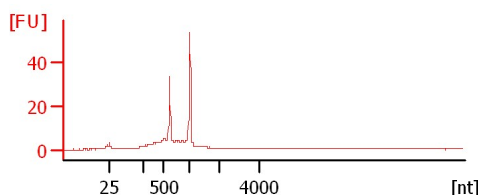
Internode Sample 6



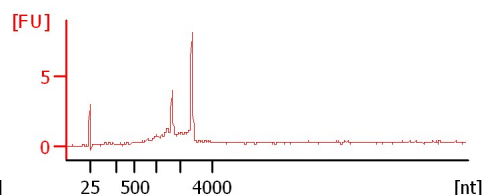
Internode Sample 7



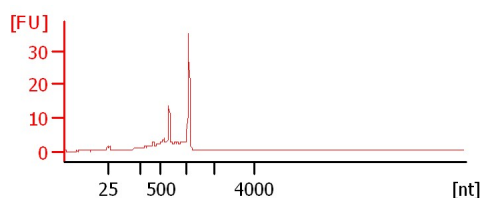
Internode Sample 8



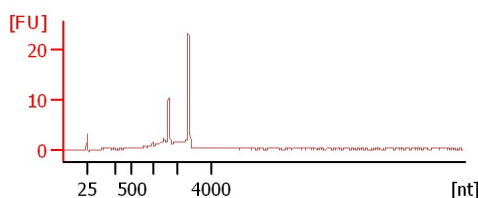
Internode Sample 9



Internode Sample 10



Internode Sample 11



Assay Class: mRNA Pico
Data Path: D:\...12\2100 expert_mRNA Pico_DE24802235_2011-12-12_12-51-26.xad

Created: 12/12/2011 12:51:26 PM
Modified: 12/12/2011 1:17:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Internode Sample 1		✓		
Internode Sample 2		✓		
Internode Sample 3		✓		
Internode Sample 4		✓		
Internode Sample 5		✓		
Internode Sample 6		✓		
Internode Sample 7		✓		
Internode Sample 8		✓		
Internode Sample 9		✓		
Internode Sample 10		✓		
Internode Sample 11		✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: D:\...12\2100 expert_mRNA Pico_DE24802235_2011-12-12_12-51-26.xad

Created: 12/12/2011 12:51:26 PM
Modified: 12/12/2011 1:17:29 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/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ μ l] : 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

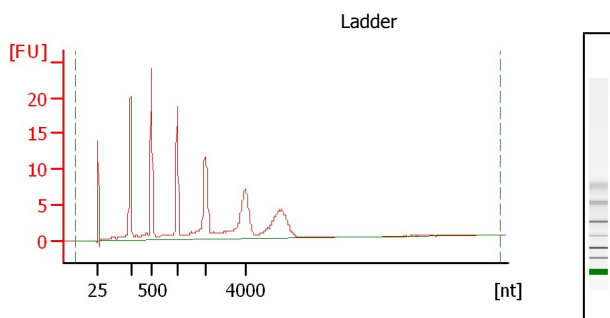
Ladder

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

Assay Class: mRNA Pico
 Data Path: D:\...12\2100 expert_mRNA Pico_DE24802235_2011-12-12_12-51-26.xad

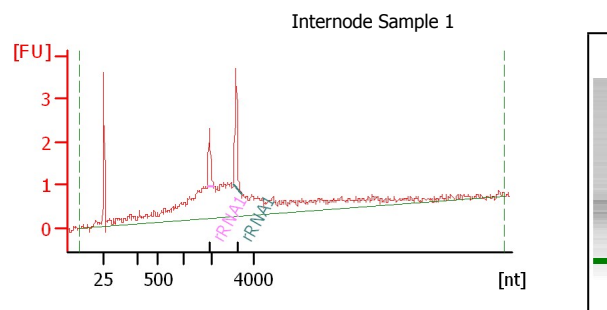
Created: 12/12/2011 12:51:26 PM
 Modified: 12/12/2011 1:17:29 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 190.6
 RNA Concentration: 1,000 pg/μl

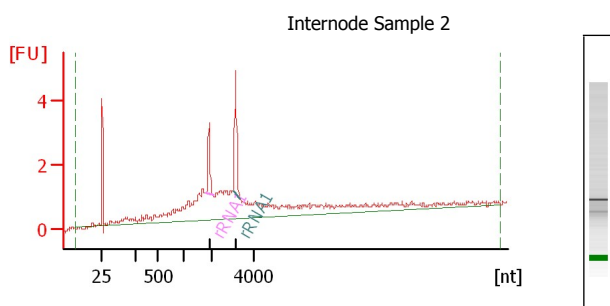


Overall Results for sample 1 : Internode Sample 1

RNA Area: 43.5
 RNA Concentration: 228 pg/μl
 rRNA Contamination: 9.8 %

Fragment table for sample 1 : Internode Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,820	2,041	1.4	3.3
rRNA1	3,028	3,445	2.8	6.5

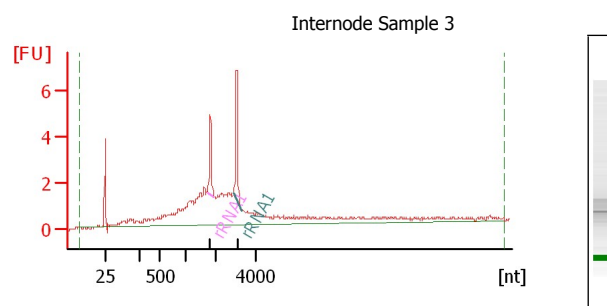


Overall Results for sample 2 : Internode Sample 2

RNA Area: 46.9
 RNA Concentration: 246 pg/μl
 rRNA Contamination: 12.0 %

Fragment table for sample 2 : Internode Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,801	2,024	2.2	4.6
rRNA1	2,994	3,312	3.5	7.5



Overall Results for sample 3 : Internode Sample 3

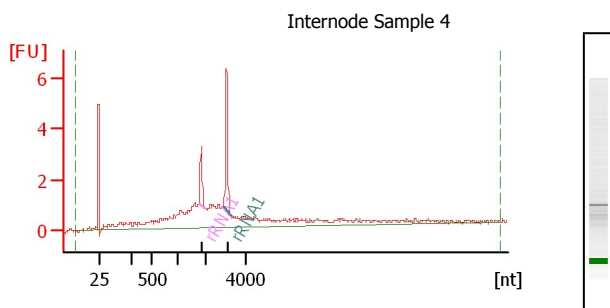
RNA Area: 64.1
 RNA Concentration: 336 pg/μl
 rRNA Contamination: 13.4 %

Fragment table for sample 3 : Internode Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,754	1,949	3.4	5.2
rRNA1	2,903	3,254	5.2	8.2

Assay Class: mRNA Pico
Data Path: D:\...12\2100 expert_mRNA Pico_DE24802235_2011-12-12_12-51-26.xad

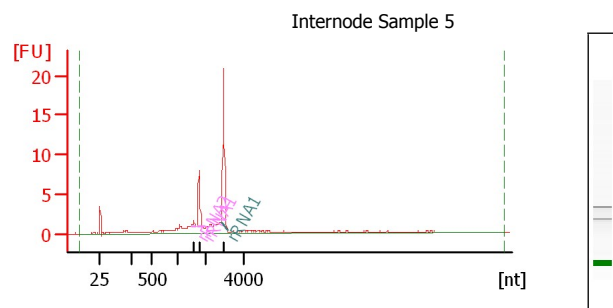
Created: 12/12/2011 12:51:26 PM
Modified: 12/12/2011 1:17:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : Internode Sample 4**

RNA Area: 51.4
RNA Concentration: 270 pg/μl
rRNA Contamination: 14.5 %

Fragment table for sample 4 : Internode Sample 4

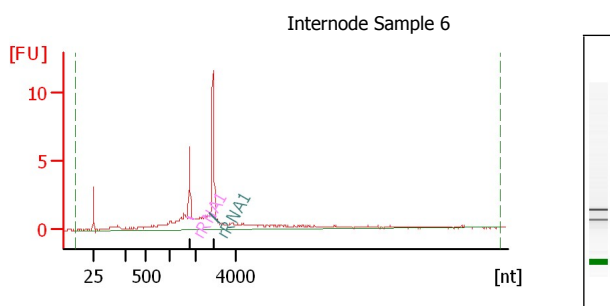
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,726	1,947	2.4	4.6
rRNA1	2,859	3,216	5.1	9.9

**Overall Results for sample 5 : Internode Sample 5**

RNA Area: 69.8
RNA Concentration: 366 pg/μl
rRNA Contamination: 35.3 %

Fragment table for sample 5 : Internode Sample 5

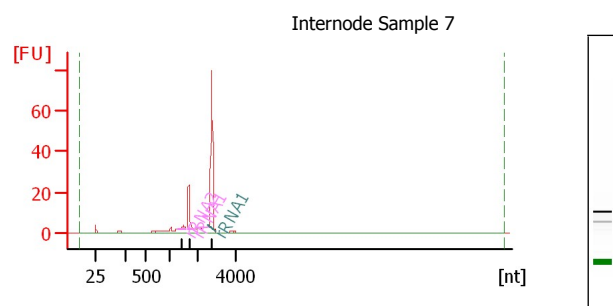
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,525	1,684	0.6	0.9
rRNA1	1,695	1,921	6.5	9.3
rRNA1	2,796	3,146	17.5	25.1

**Overall Results for sample 6 : Internode Sample 6**

RNA Area: 57.7
RNA Concentration: 303 pg/μl
rRNA Contamination: 25.5 %

Fragment table for sample 6 : Internode Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,688	1,873	4.3	7.4
rRNA1	2,715	3,153	10.4	18.0

**Overall Results for sample 7 : Internode Sample 7**

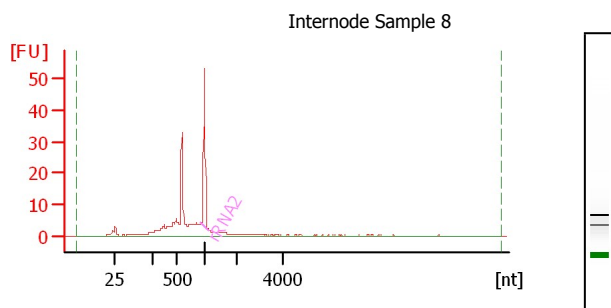
RNA Area: 160.2
RNA Concentration: 840 pg/μl
rRNA Contamination: 58.5 %

Fragment table for sample 7 : Internode Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,310	1,591	1.9	1.2
rRNA1	1,615	1,850	20.4	12.7
rRNA1	2,614	2,977	71.4	44.6

Assay Class: mRNA Pico
Data Path: D:\...12\2100 expert_mRNA Pico_DE24802235_2011-12-12_12-51-26.xad

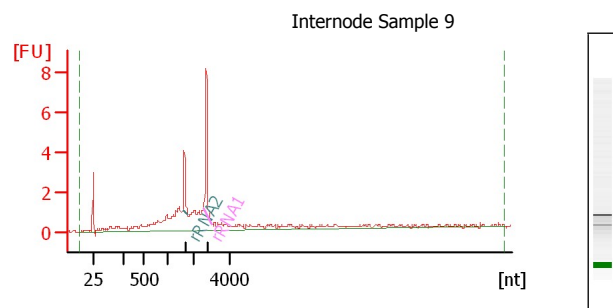
Created: 12/12/2011 12:51:26 PM
Modified: 12/12/2011 1:17:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : Internode Sample 8**

RNA Area: 195.0
RNA Concentration: 1,023 pg/μl
rRNA Contamination: 24.2 %

Fragment table for sample 8 : Internode Sample 8

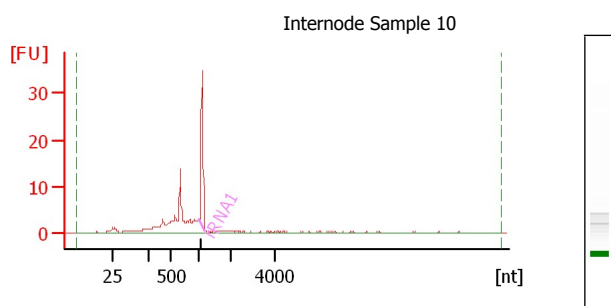
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	944	1,115	47.1	24.2

**Overall Results for sample 9 : Internode Sample 9**

RNA Area: 45.4
RNA Concentration: 238 pg/μl
rRNA Contamination: 21.8 %

Fragment table for sample 9 : Internode Sample 9

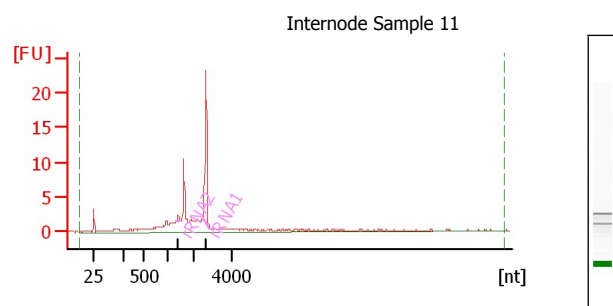
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,608	1,812	3.0	6.6
rRNA1	2,560	2,963	6.9	15.2

**Overall Results for sample 10 : Internode Sample 10**

RNA Area: 123.9
RNA Concentration: 650 pg/μl
rRNA Contamination: 25.1 %

Fragment table for sample 10 : Internode Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	989	1,192	31.2	25.1

**Overall Results for sample 11 : Internode Sample 11**

RNA Area: 88.5
RNA Concentration: 464 pg/μl
rRNA Contamination: 24.4 %

Fragment table for sample 11 : Internode Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,313	1,504	0.8	0.9
rRNA1	2,510	2,879	20.8	23.5

Assay Class: mRNA Pico
Data Path: D:\...12\2100 expert_mRNA Pico_DE24802235_2011-12-12_12-51-26.xad

Created: 12/12/2011 12:51:26 PM
Modified: 12/12/2011 1:17:29 PM

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