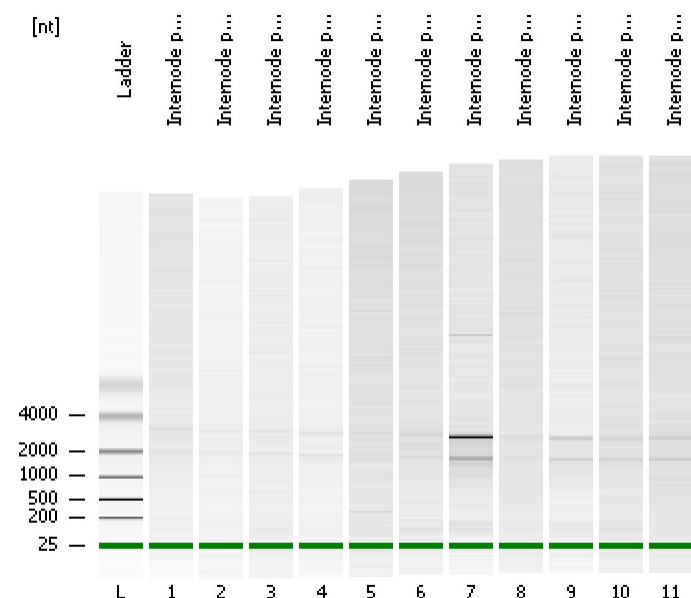


Assay Class: mRNA Pico
Data Path: D:\...13\2100 expert_mRNA Pico_DE24802235_2011-12-13_20-03-09.xad

Created: 12/13/2011 8:03:09 PM
Modified: 12/13/2011 8:28:18 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

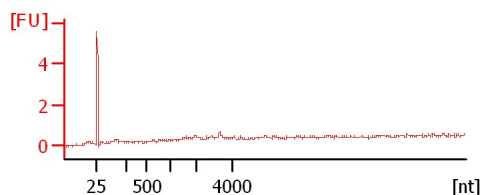
Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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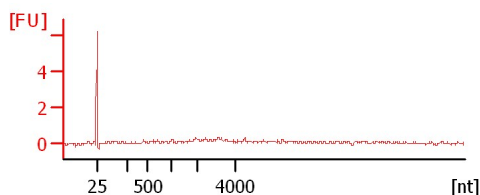
Chip Information:

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

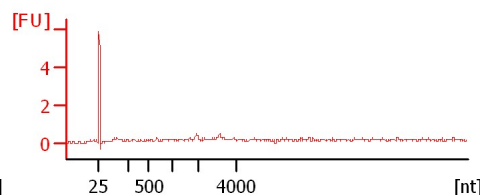
Internode polyARNA2nd elution Sample 1



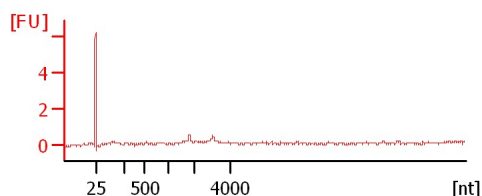
Internode polyARNA2nd elution Sample 2



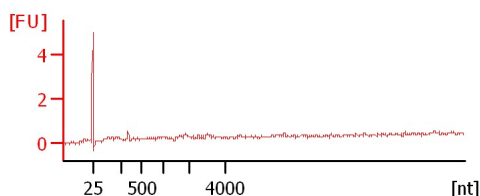
Internode polyARNA2nd elution Sample 3



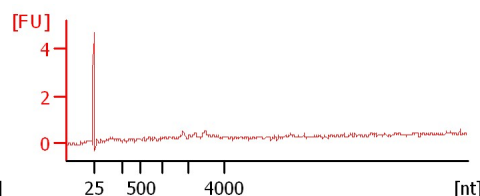
Internode polyARNA2nd elution Sample 4



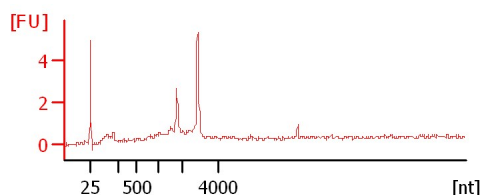
Internode polyARNA2nd elution Sample 5



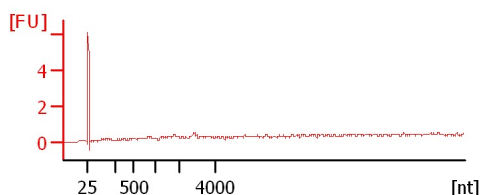
Internode polyARNA2nd elution Sample 7



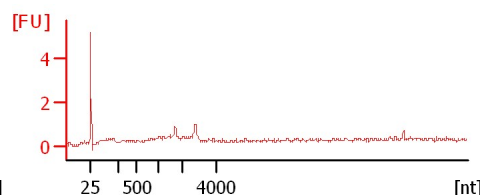
Internode polyARNA2nd elution Sample 8



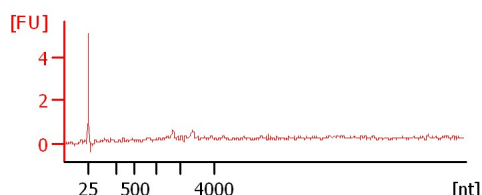
Internode polyARNA2nd elution Sample 9



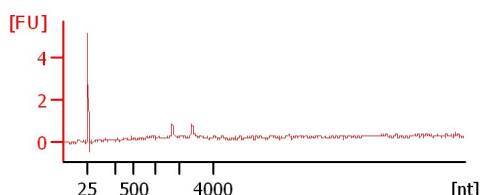
Internode polyARNA2nd elution Sample 10



Internode polyARNA2nd elution Sample 11



Internode polyARNA2nd elution Sample 12



Assay Class: mRNA Pico
Data Path: D:\...13\2100 expert_mRNA Pico_DE24802235_2011-12-13_20-03-09.xad

Created: 12/13/2011 8:03:09 PM
Modified: 12/13/2011 8:28:18 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Internode polyARNA2nd elution Sample 1		✓		
Internode polyARNA2nd elution Sample 2		✓		
Internode polyARNA2nd elution Sample 3		✓		
Internode polyARNA2nd elution Sample 4		✓		
Internode polyARNA2nd elution Sample 5		✓		
Internode polyARNA2nd elution Sample 7		✓		
Internode polyARNA2nd elution Sample 8		✓		
Internode polyARNA2nd elution Sample 9		✓		
Internode polyARNA2nd elution Sample 10		✓		
Internode polyARNA2nd elution Sample 11		✓		
Internode polyARNA2nd elution Sample 12		✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: D:\...13\2100 expert_mRNA Pico_DE24802235_2011-12-13_20-03-09.xad

Created: 12/13/2011 8:03:09 PM
Modified: 12/13/2011 8:28:18 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

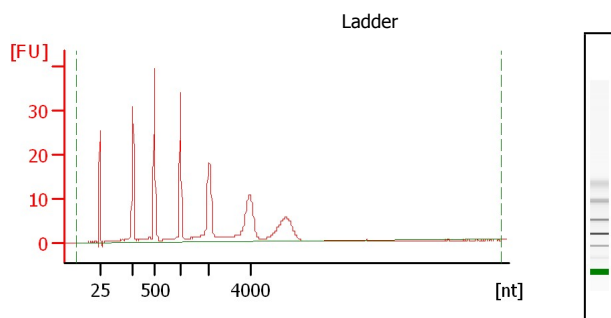
Ladder

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

Assay Class: mRNA Pico
Data Path: D:\...13\2100 expert_mRNA Pico_DE24802235_2011-12-13_20-03-09.xad

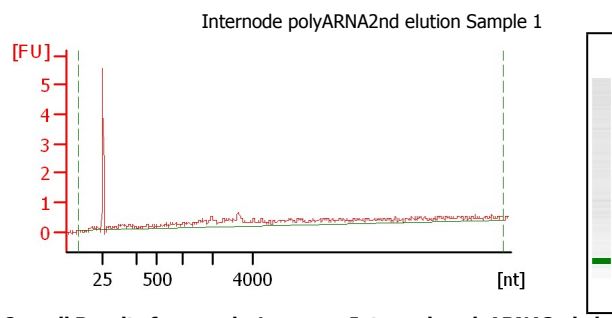
Created: 12/13/2011 8:03:09 PM
Modified: 12/13/2011 8:28:18 PM

Electropherogram Summary



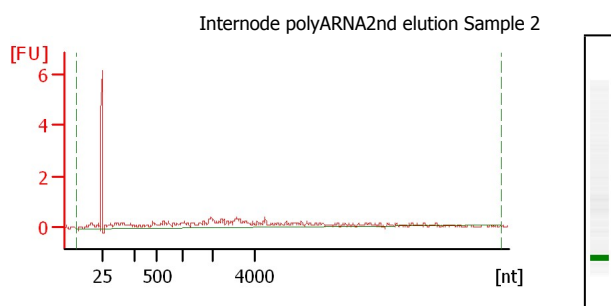
Overall Results for Ladder

RNA Area: 275.3
RNA Concentration: 1,000 pg/μl



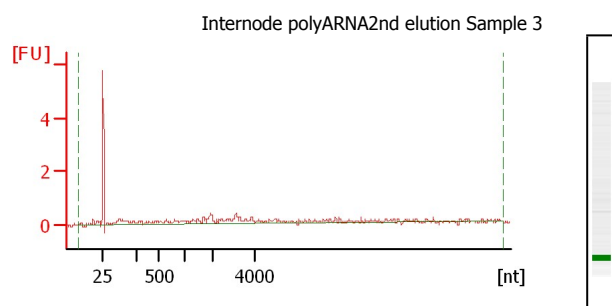
Overall Results for sample 1 : Internode polyARNA2nd elution 5

RNA Area: 20.6
RNA Concentration: 75 pg/μl
rRNA Contamination: 0.0 %



Overall Results for sample 2 : Internode polyARNA2nd elution 5

RNA Area: 15.8
RNA Concentration: 57 pg/μl
rRNA Contamination: 0.0 %



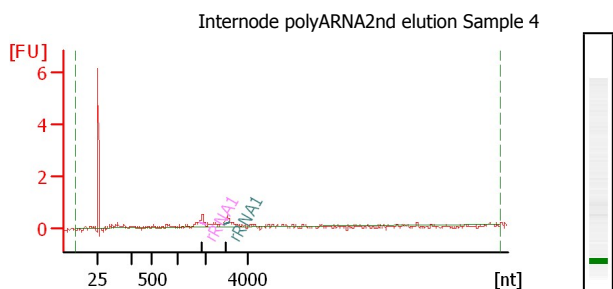
Overall Results for sample 3 : Internode polyARNA2nd elution 5

RNA Area: 13.4
RNA Concentration: 49 pg/μl
rRNA Contamination: 0.0 %

Assay Class: mRNA Pico
 Data Path: D:\...13\2100 expert_mRNA Pico_DE24802235_2011-12-13_20-03-09.xad

Created: 12/13/2011 8:03:09 PM
 Modified: 12/13/2011 8:28:18 PM

Electropherogram Summary Continued ...



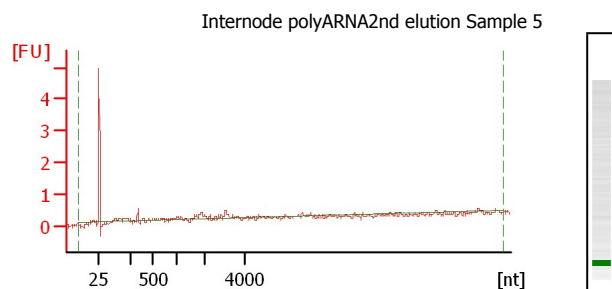
Overall Results for sample 4 : Internode polyARNA2nd elution S

RNA Area: 7.9
 RNA Concentration: 29 pg/μl
 rRNA Contamination: 10.1 %

Fragment table for sample 4 : Internode polyARNA2nd elution S

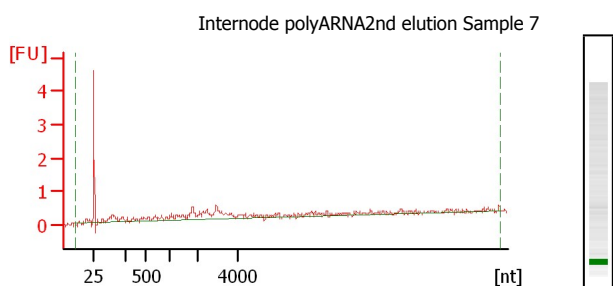
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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rRNA1	1,754	1,984	0.4	5.2
rRNA1	2,855	3,194	0.4	4.9



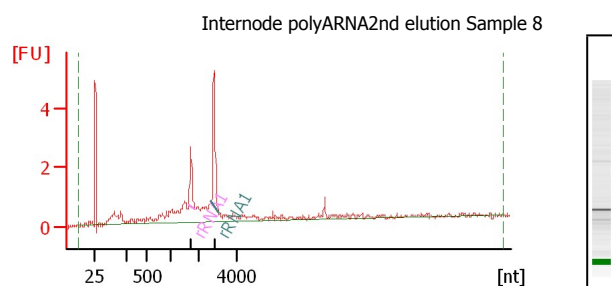
Overall Results for sample 5 : Internode polyARNA2nd elution S

RNA Area: 4.8
 RNA Concentration: 17 pg/μl
 rRNA Contamination: 0.0 %



Overall Results for sample 6 : Internode polyARNA2nd elution S

RNA Area: 9.4
 RNA Concentration: 34 pg/μl
 rRNA Contamination: 0.0 %



Overall Results for sample 7 : Internode polyARNA2nd elution S

RNA Area: 32.9
 RNA Concentration: 119 pg/μl
 rRNA Contamination: 22.2 %

Fragment table for sample 7 : Internode polyARNA2nd elution S

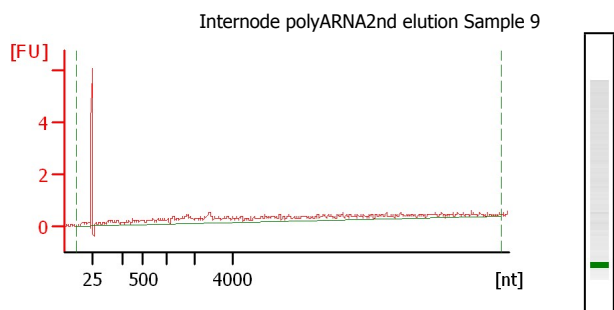
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
------	-----------------	---------------	------	-----------------

rRNA1	1,658	1,865	2.2	6.7
rRNA1	2,667	3,055	5.1	15.6

Assay Class: mRNA Pico
 Data Path: D:\...13\2100 expert_mRNA Pico_DE24802235_2011-12-13_20-03-09.xad

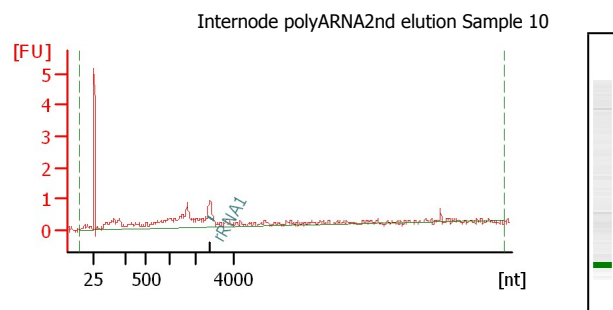
Created: 12/13/2011 8:03:09 PM
 Modified: 12/13/2011 8:28:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Internode polyARNA2nd elution 5

RNA Area: 23.3
 RNA Concentration: 85 pg/μl
 rRNA Contamination: 0.0 %

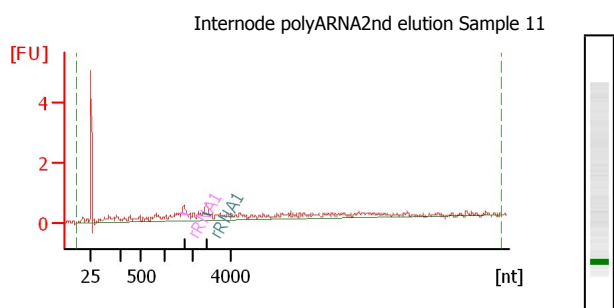


Overall Results for sample 9 : Internode polyARNA2nd elution 5

RNA Area: 20.7
 RNA Concentration: 75 pg/μl
 rRNA Contamination: 3.5 %

Fragment table for sample 9 : Internode polyARNA2nd elution 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	2,649	2,928	0.7	3.5

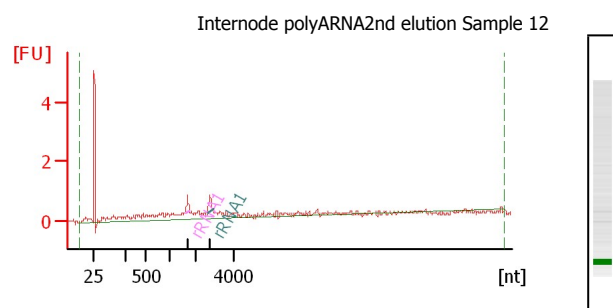


Overall Results for sample 10 : Internode polyARNA2nd elution 5

RNA Area: 22.6
 RNA Concentration: 82 pg/μl
 rRNA Contamination: 4.2 %

Fragment table for sample 10 : Internode polyARNA2nd elution 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,594	1,840	0.4	1.8
rRNA1	2,566	2,962	0.6	2.4



Overall Results for sample 11 : Internode polyARNA2nd elution 5

RNA Area: 13.8
 RNA Concentration: 50 pg/μl
 rRNA Contamination: 7.8 %

Fragment table for sample 11 : Internode polyARNA2nd elution 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,620	1,795	0.5	3.7
rRNA1	2,633	2,912	0.6	4.1

Assay Class: mRNA Pico
Data Path: D:\...13\2100 expert_mRNA Pico_DE24802235_2011-12-13_20-03-09.xad

Created: 12/13/2011 8:03:09 PM
Modified: 12/13/2011 8:28:18 PM

Gel Image