

Assay Class: mRNA Pico
Data Path: C:\...rt\Data\2011-03-21\P1291 Hollenbeck 2011-03-21 12-54-38.xad

Created: 03/21/2011 12:54:38 PM
Modified: 03/21/2011 1:05:27 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE24802282 Firmware: C.01.069
Serial#: DE24802282 Type: G2938B

Assay Information:

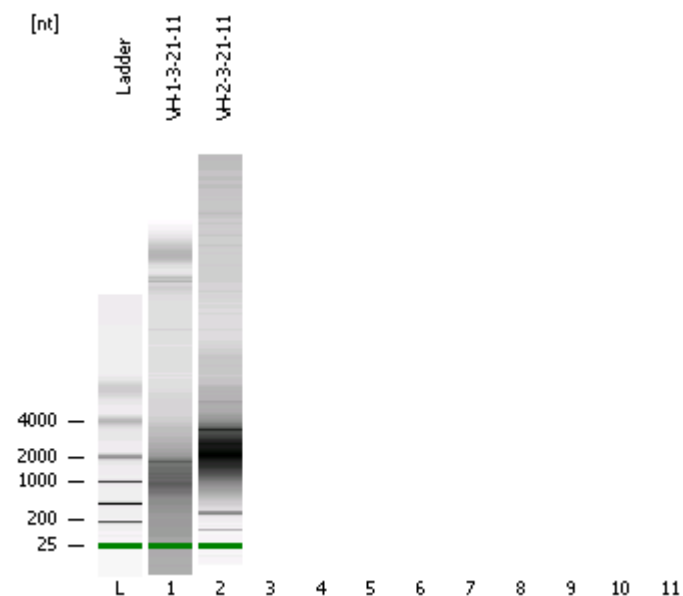
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico
Version: 2.5
Assay Comments: mRNA Analysis pg sensitivity

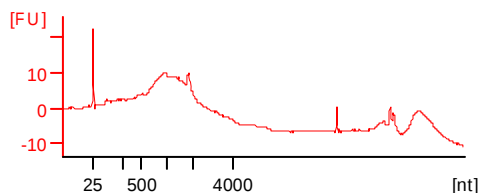
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Chip Information:

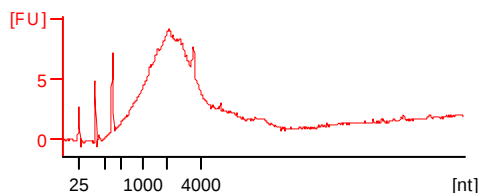
Chip Lot #: NK16BK04
Reagent Kit Lot #: set b
Chip Comments: Vicky Hollenbeck Ruth Martin 738-4136
vicky.hollenbeck@ars.usda.gov null Lolium (grass)
stem/root crown,,,



VH-1-3-21-11
eukaryote MRNAForPicoChip 50 3



VH-2-3-21-11
eukaryote MRNAForPicoChip 50 3



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
VH-1-3-21-11	eukaryote MRNAForPicoChip 50 3			
VH-2-3-21-11	eukaryote MRNAForPicoChip 50 3			

Chip Lot #

NK16BK04

Reagent Kit Lot #

set b

Chip Comments :

Vicky Hollenbeck Ruth Martin 738-4136 vicky.hollenbeck@ars.usda.gov null Lolium (grass) stem/root crown,,,

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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

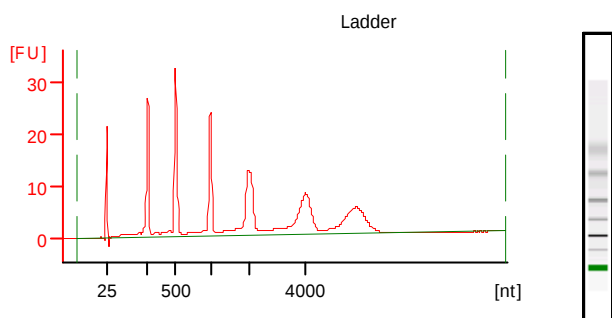
Ladder

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

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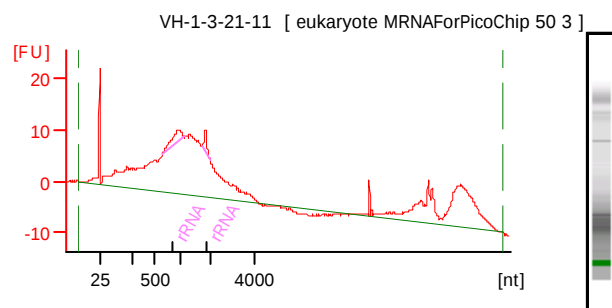
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Electropherogram Summary



Overall Results for Ladder

RNA Area: 254.5
 RNA Concentration: 1,000 pg/μl

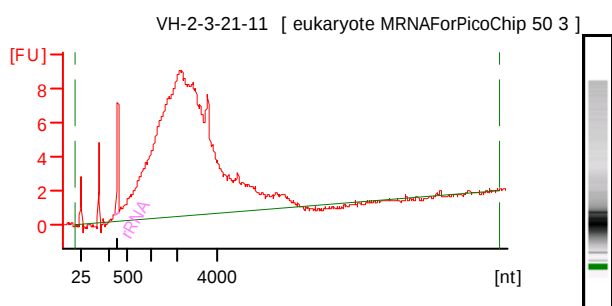


Overall Results for sample 1 : VH-1-3-21-11

RNA Area: 535.7
 RNA Concentration: 2,105 pg/μl
 rRNA Contamination: 3.6 %

Fragment table for sample 1 : VH-1-3-21-11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA	662	1,115	13.3	2.5
rRNA	1,724	1,987	6.2	1.2



Overall Results for sample 2 : VH-2-3-21-11

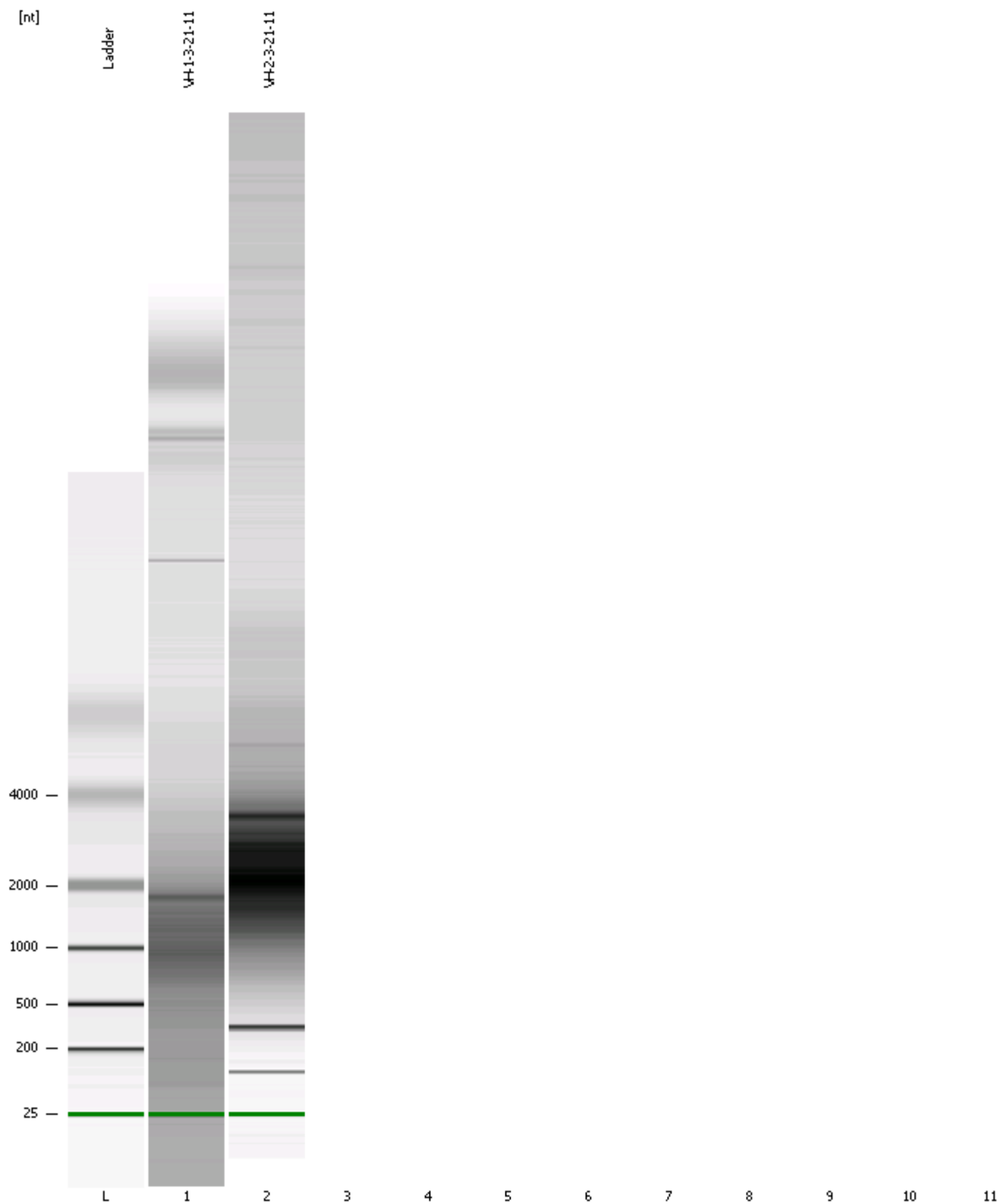
RNA Area: 295.1
 RNA Concentration: 1,160 pg/μl
 rRNA Contamination: 3.2 %

Fragment table for sample 2 : VH-2-3-21-11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA	308	378	9.5	3.2

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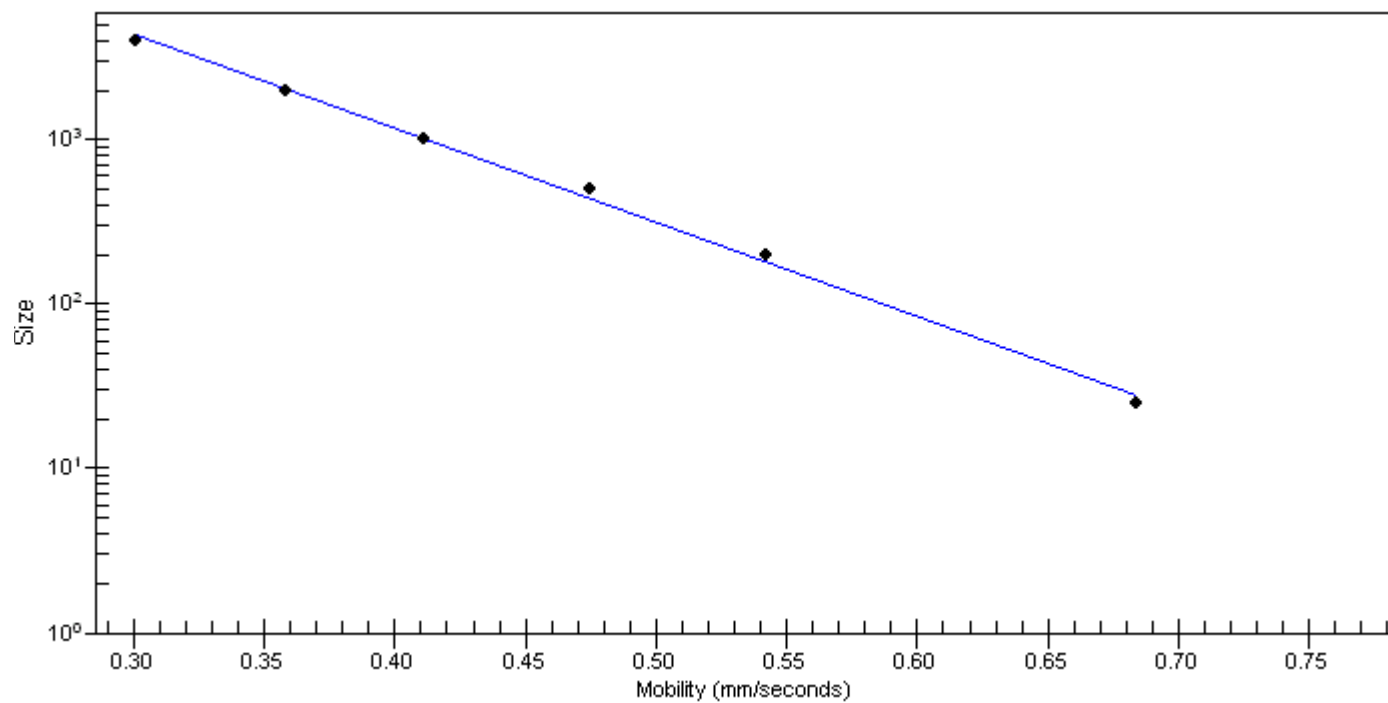
Gel Image

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Curves

Standard Curve



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Invalid Samples

Sample 3 has not been run, no results available.

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.