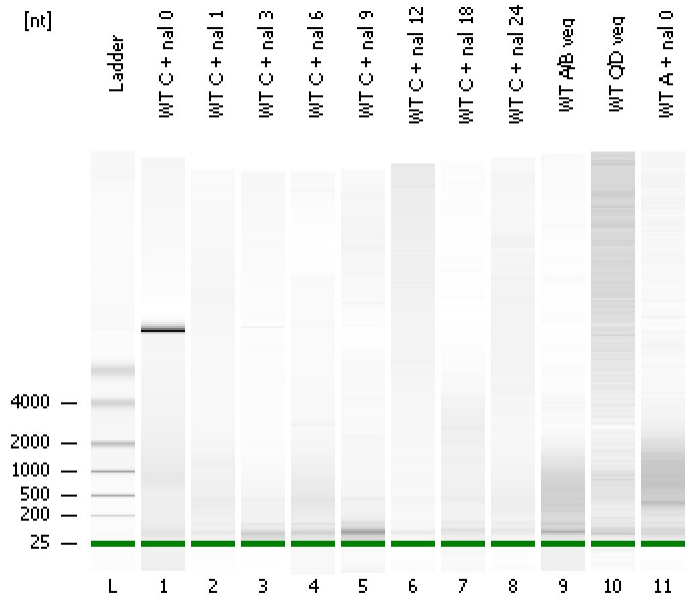


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

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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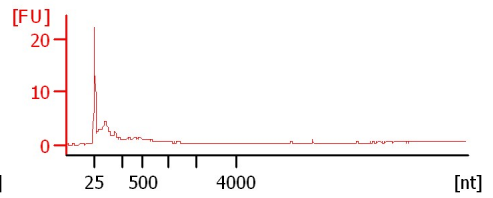
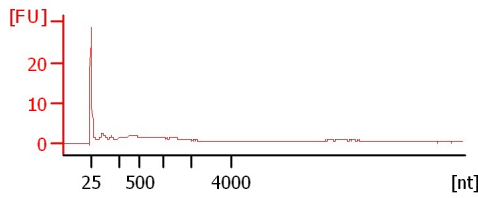
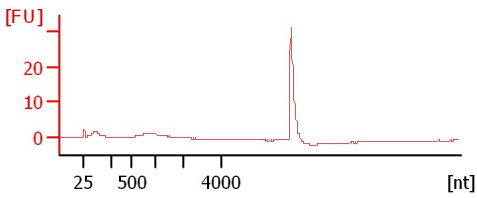
Chip Information:

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

WT C + nal 0

WT C + nal 1

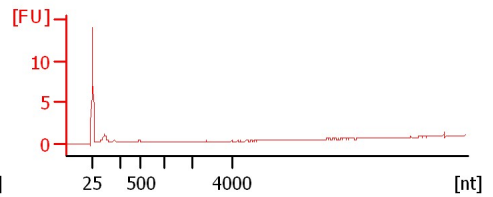
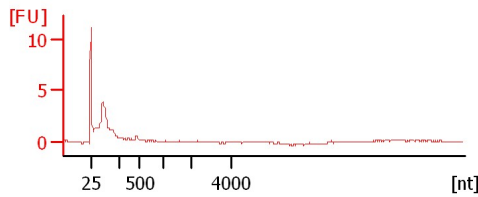
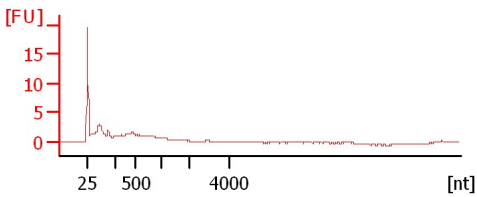
WT C + nal 3



WT C + nal 6

WT C + nal 9

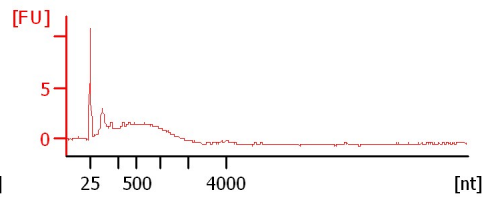
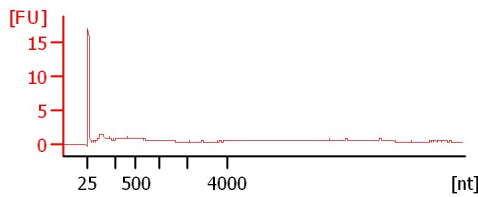
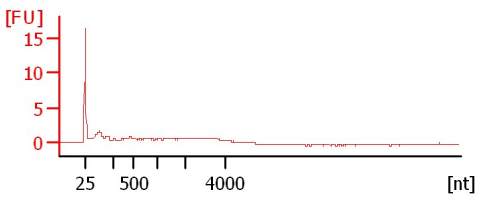
WT C + nal 12



WT C + nal 18

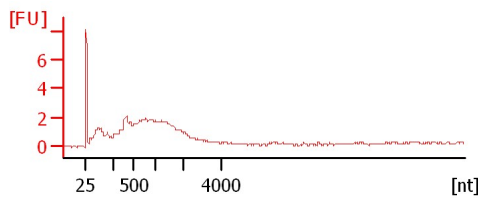
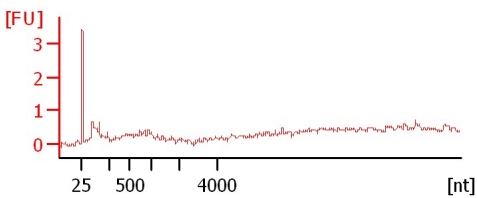
WT C + nal 24

WT A/B veg



WT C/D veg

WT A + nal 0



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
WT C + nal 0		✓		
WT C + nal 1		✓		
WT C + nal 3		✓		
WT C + nal 6		✓		
WT C + nal 9		✓		
WT C + nal 12		✓		
WT C + nal 18		✓		
WT C + nal 24		✓		
WT A/B veg		✓		
WT C/D veg		✓		
WT A + nal 0		✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

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

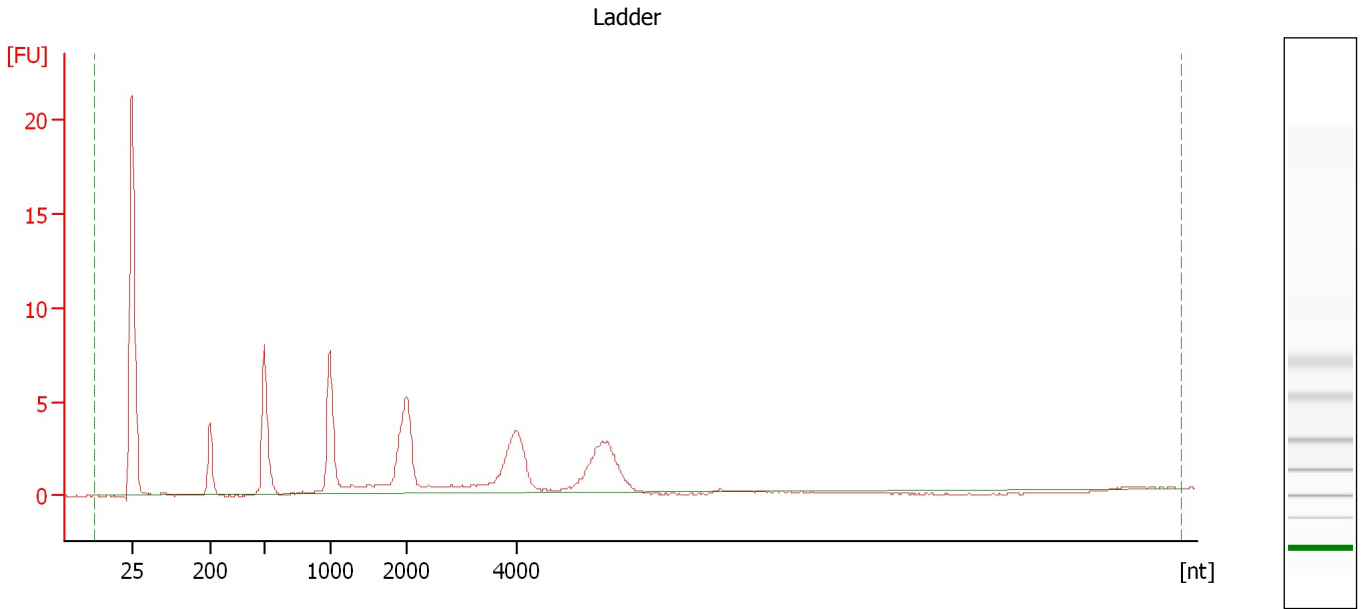
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary



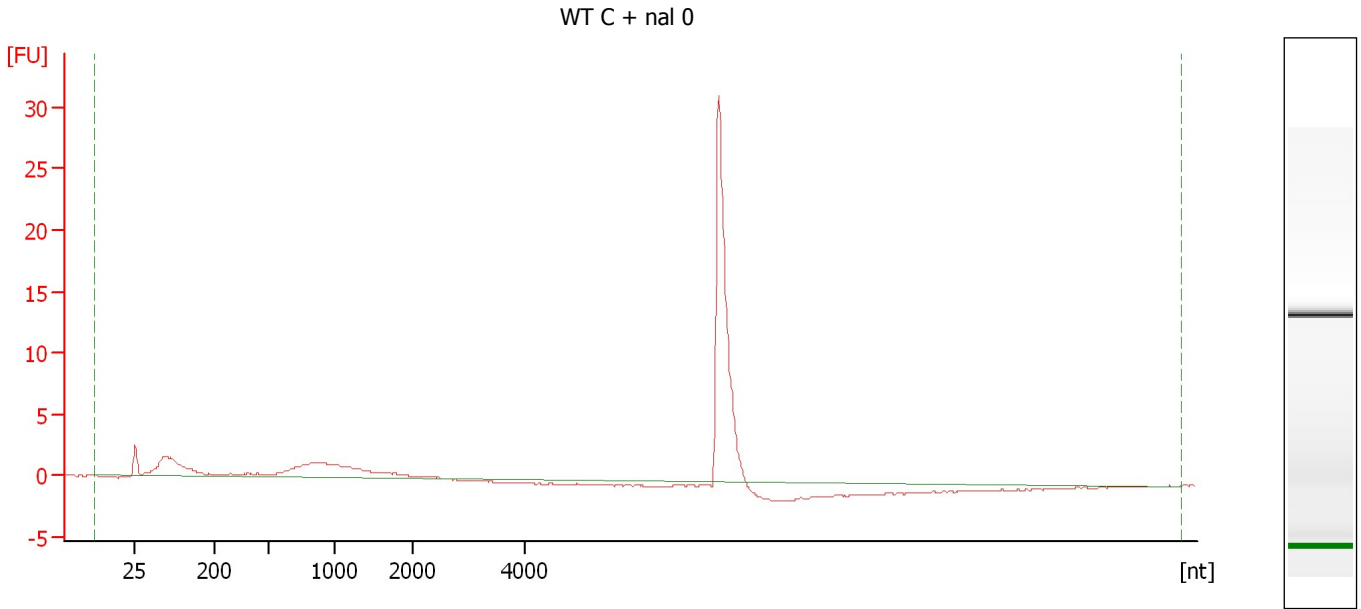
Overall Results for Ladder

RNA Area: 75.9 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : WT C + nal 0

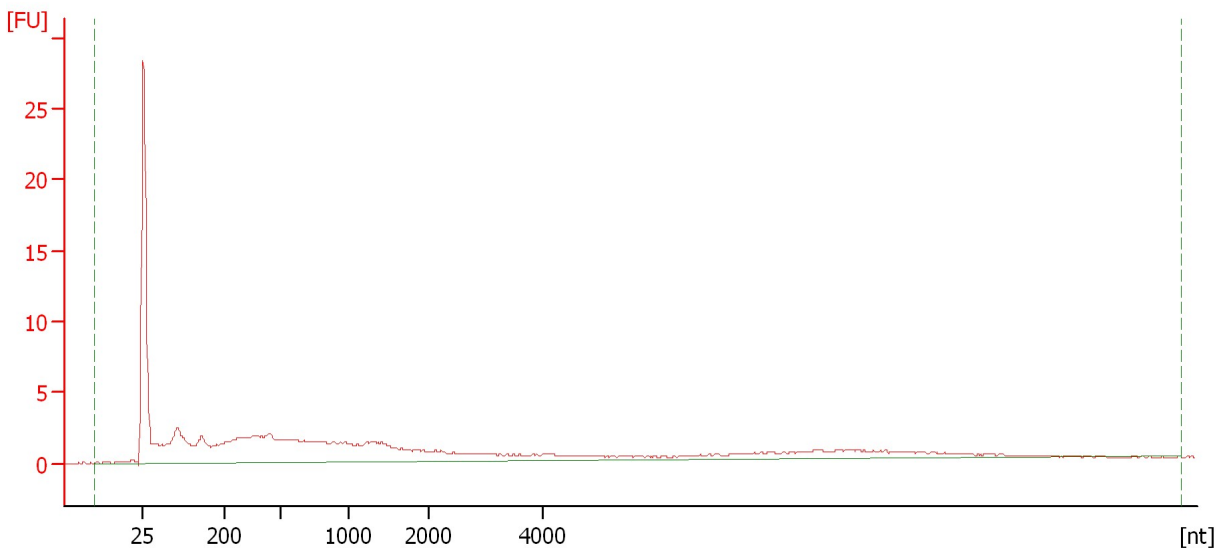
RNA Area: 76.6 rRNA Contamination: 0.0 %
RNA Concentration: 1,008 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary Continued ...

WT C + nal 1



Overall Results for sample 2 : WT C + nal 1

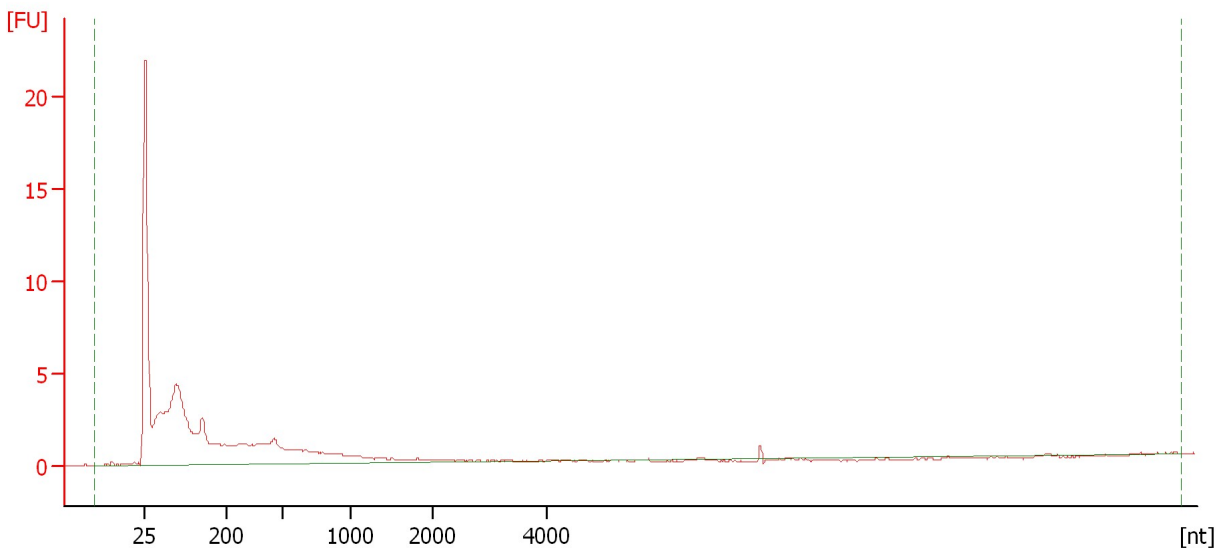
RNA Area: 117.9 rRNA Contamination: 0.0 %
RNA Concentration: 1,552 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary Continued ...

WT C + nal 3



Overall Results for sample 3 : WT C + nal 3

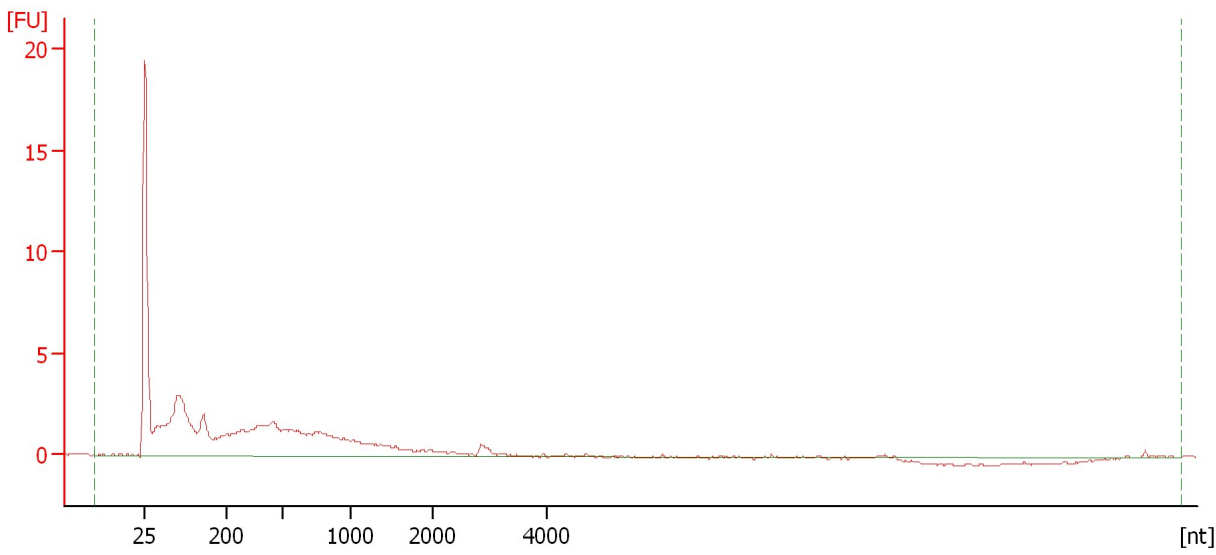
RNA Area: 78.7 rRNA Contamination: 0.0 %
RNA Concentration: 1,037 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary Continued ...

WT C + nal 6



Overall Results for sample 4 : WT C + nal 6

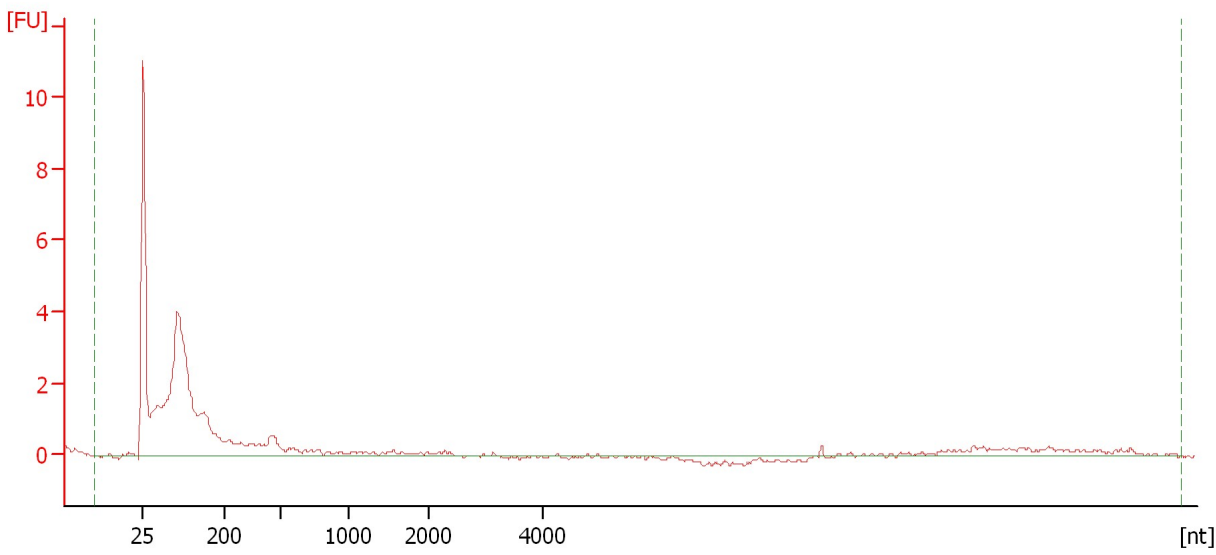
RNA Area:	74.9	rRNA Contamination:	0.0 %
RNA Concentration:	986 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary Continued ...

WT C + nal 9



Overall Results for sample 5 : WT C + nal 9

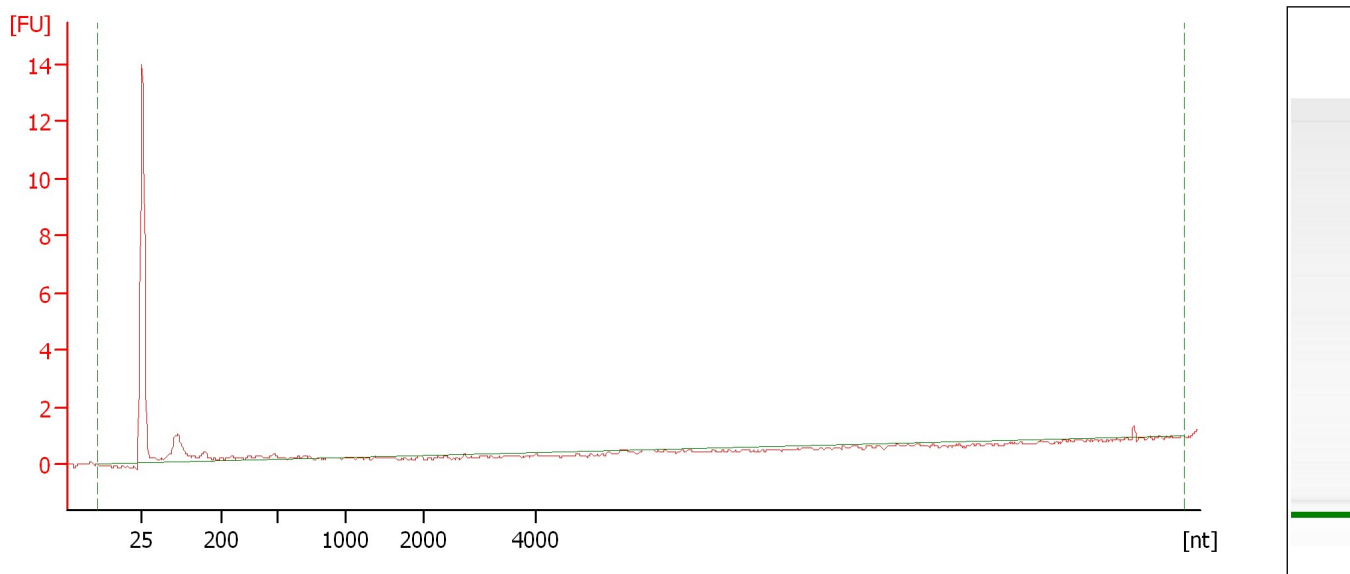
RNA Area: 47.8 rRNA Contamination: 0.0 %
RNA Concentration: 630 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary Continued ...

WT C + nal 12



Overall Results for sample 6 : WT C + nal 12

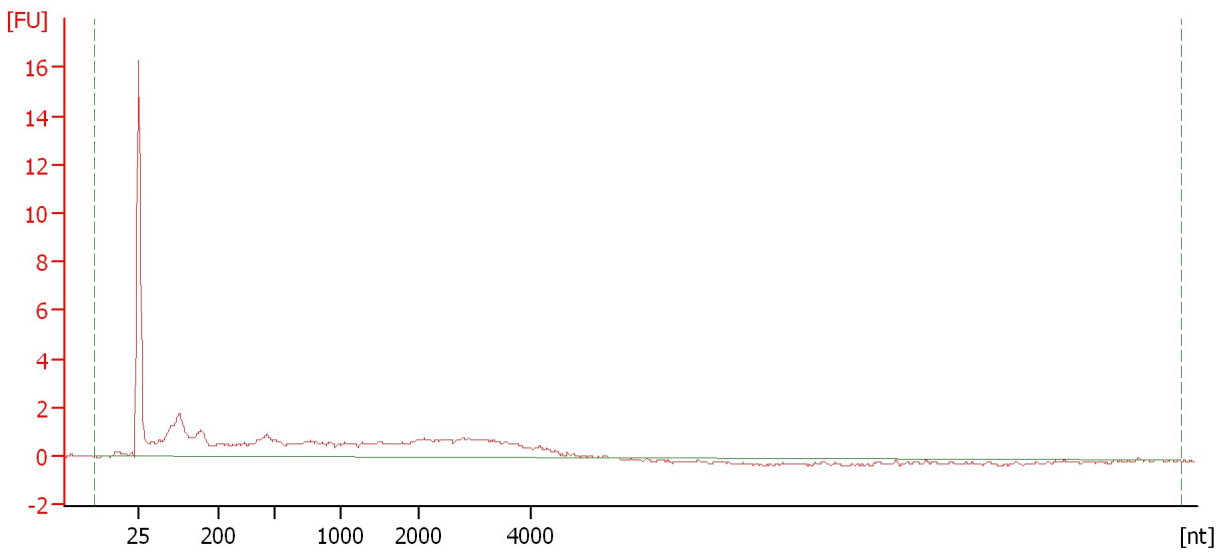
RNA Area: 8.9 rRNA Contamination: 0.0 %
RNA Concentration: 117 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary Continued ...

WT C + nal 18



Overall Results for sample 7 : WT C + nal 18

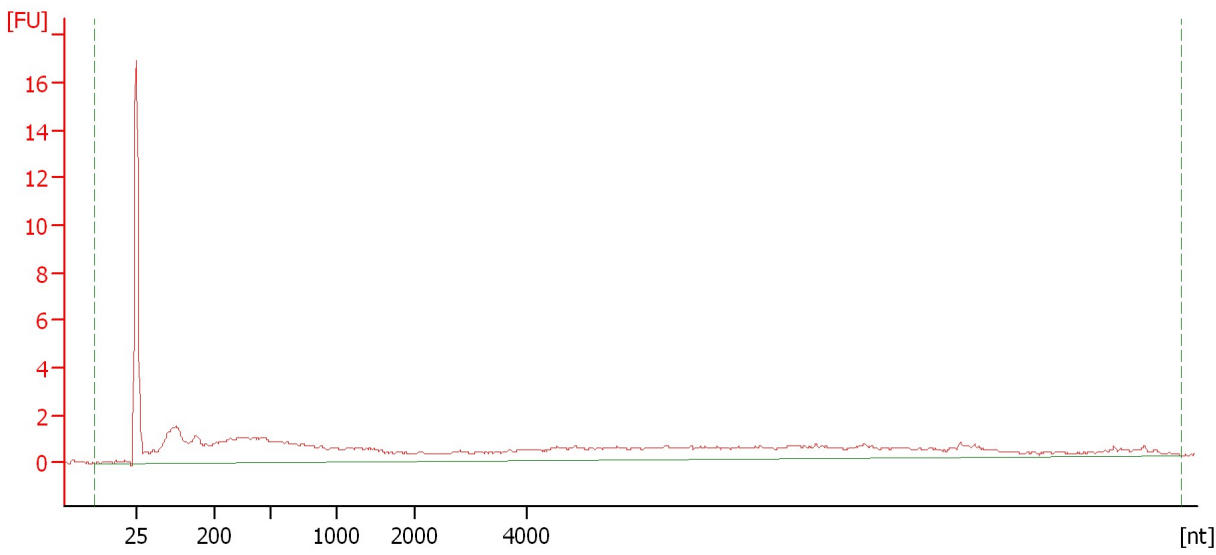
RNA Area: 59.9 rRNA Contamination: 0.0 %
RNA Concentration: 788 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary Continued ...

WT C + nal 24



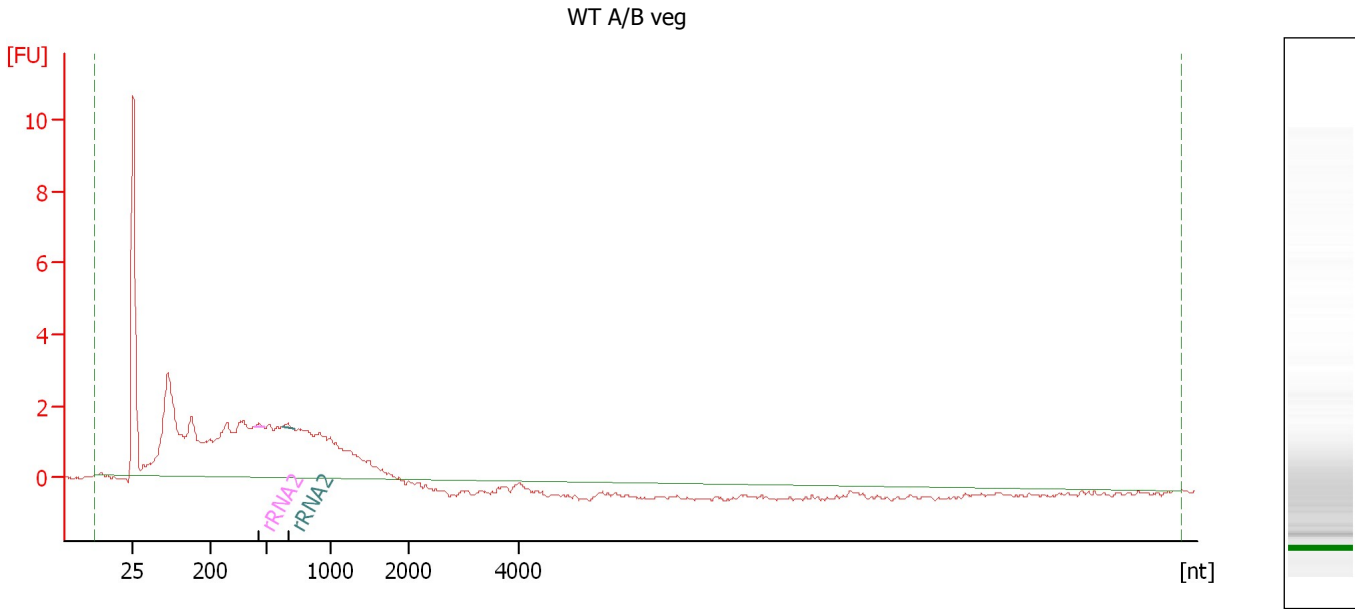
Overall Results for sample 8 : WT C + nal 24

RNA Area: 82.4 rRNA Contamination: 0.0 %
RNA Concentration: 1,085 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : WT A/B veg

RNA Area: 67.6 rRNA Contamination: 0.3 %
RNA Concentration: 891 pg/μl

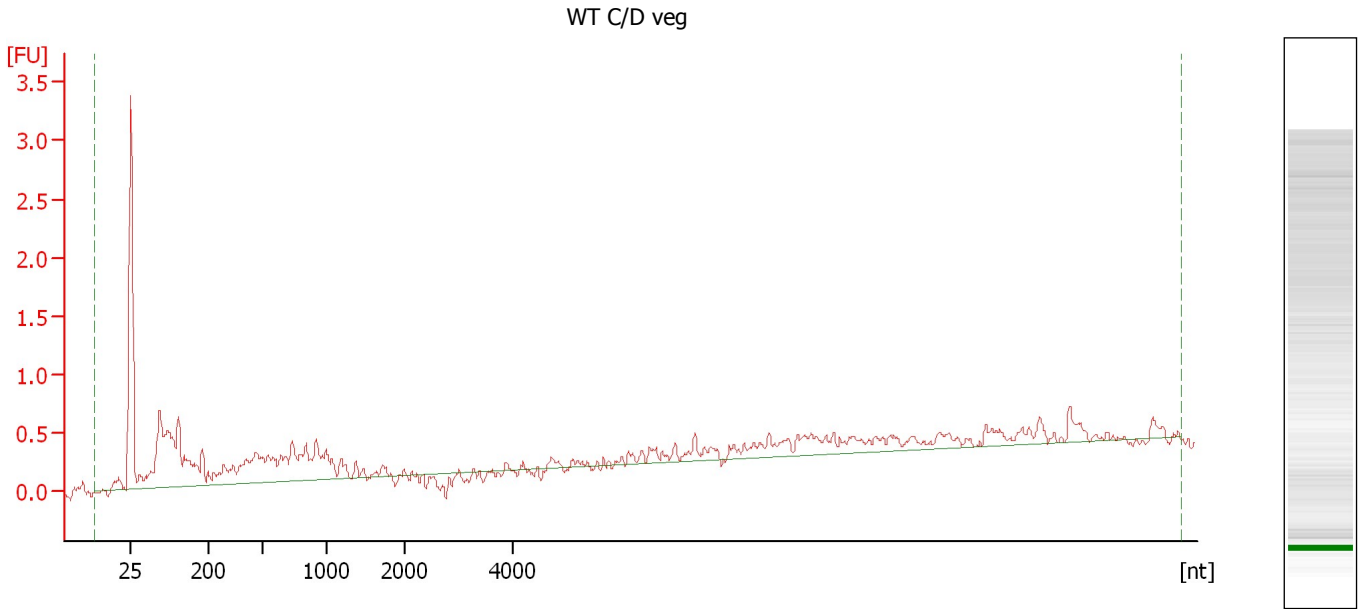
Fragment table for sample 9 : WT A/B veg

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	436	489	0.1	0.2
rRNA2	631	716	0.1	0.2

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : WT C/D veg

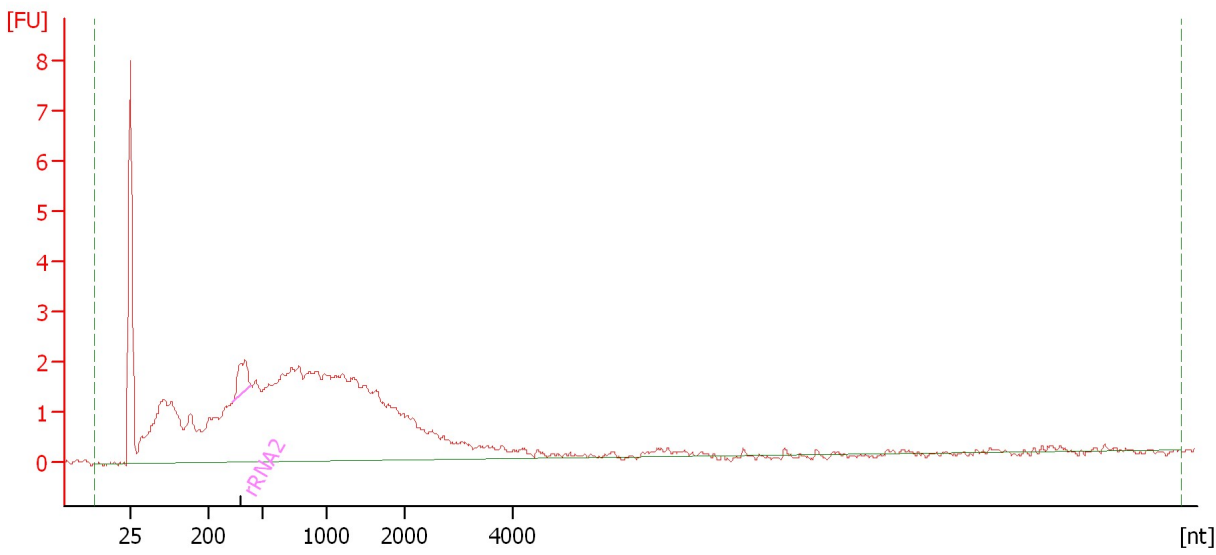
RNA Area: 17.1 rRNA Contamination: 0.0 %
RNA Concentration: 225 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Electropherogram Summary Continued ...

WT A + nal 0



Overall Results for sample 11 : WT A + nal 0

RNA Area: 91.1 rRNA Contamination: 1.9 %
RNA Concentration: 1,200 pg/μl

Fragment table for sample 11 : WT A + nal 0

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	339	437	1.8	1.9

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-28\2017-08-28_002.xad

Created: 8/28/2017 10:11:31 AM
Modified: 8/28/2017 10:37:30 AM

Gel Image