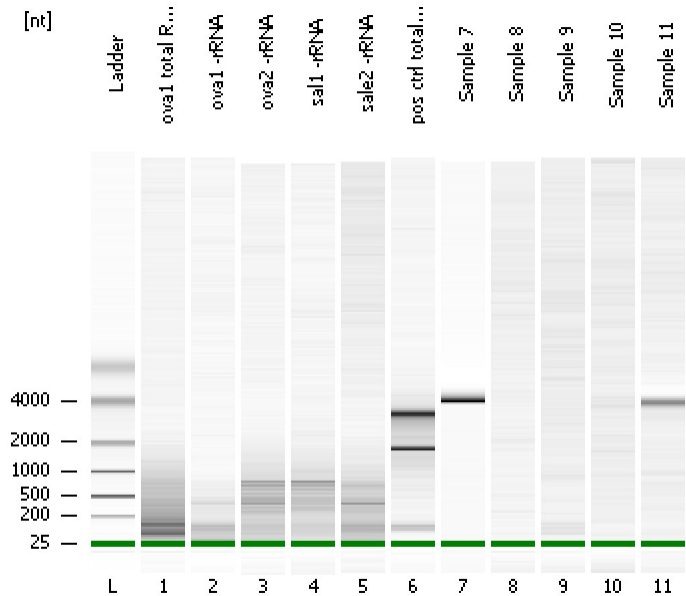


Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 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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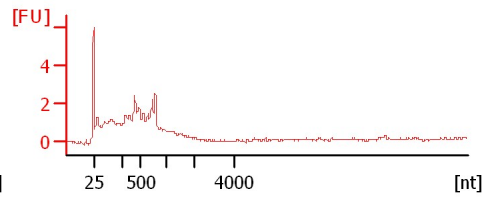
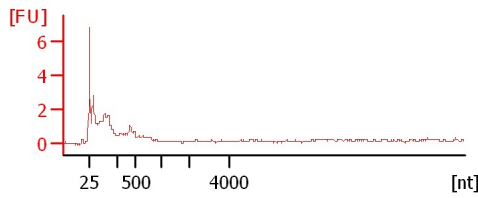
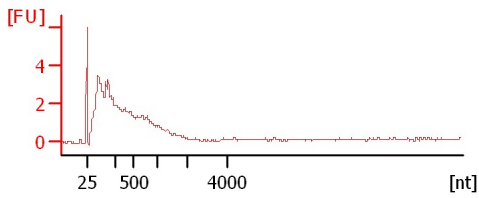
Chip Information:

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

ova1 total RNA

ova1 -rRNA

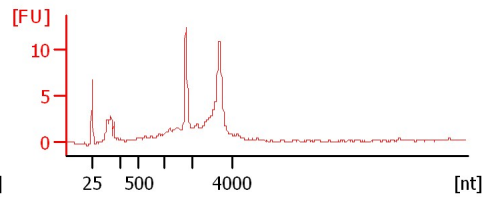
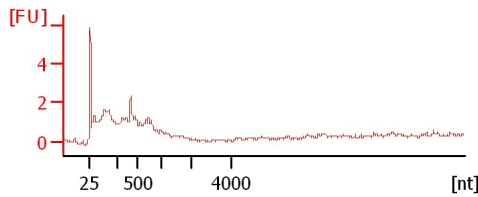
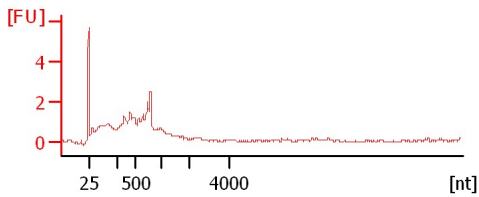
ova2 -rRNA



sal1 -rRNA

sale2 -rRNA

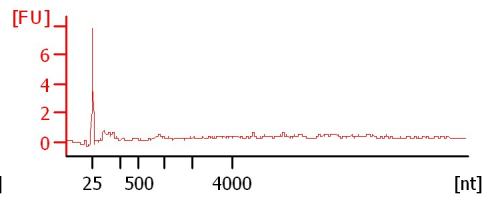
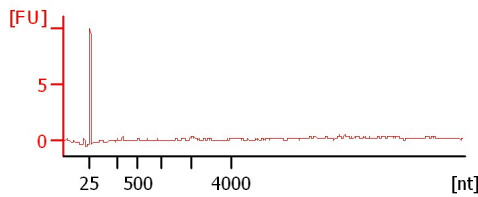
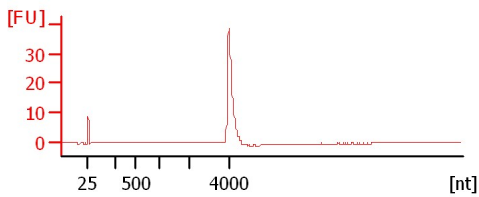
pos ctrl total RNA



Sample 7

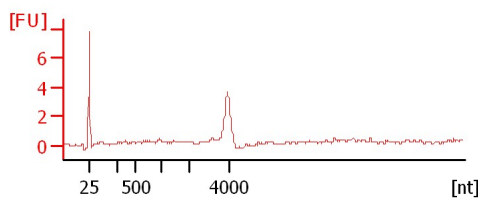
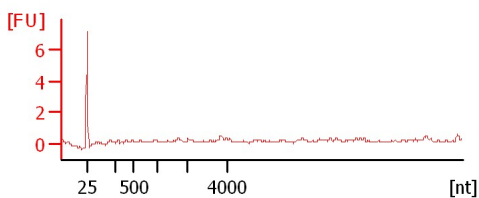
Sample 8

Sample 9



Sample 10

Sample 11



Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
ova1 total RNA		✓		
ova1 -rRNA		✓		
ova2 -rRNA		✓		
sal1 -rRNA		✓		
sale2 -rRNA		✓		
pos ctrl total RNA		✓		
Sample 7		✓		
Sample 8		✓		
Sample 9		✓		
Sample 10		✓		
Sample 11		✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 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

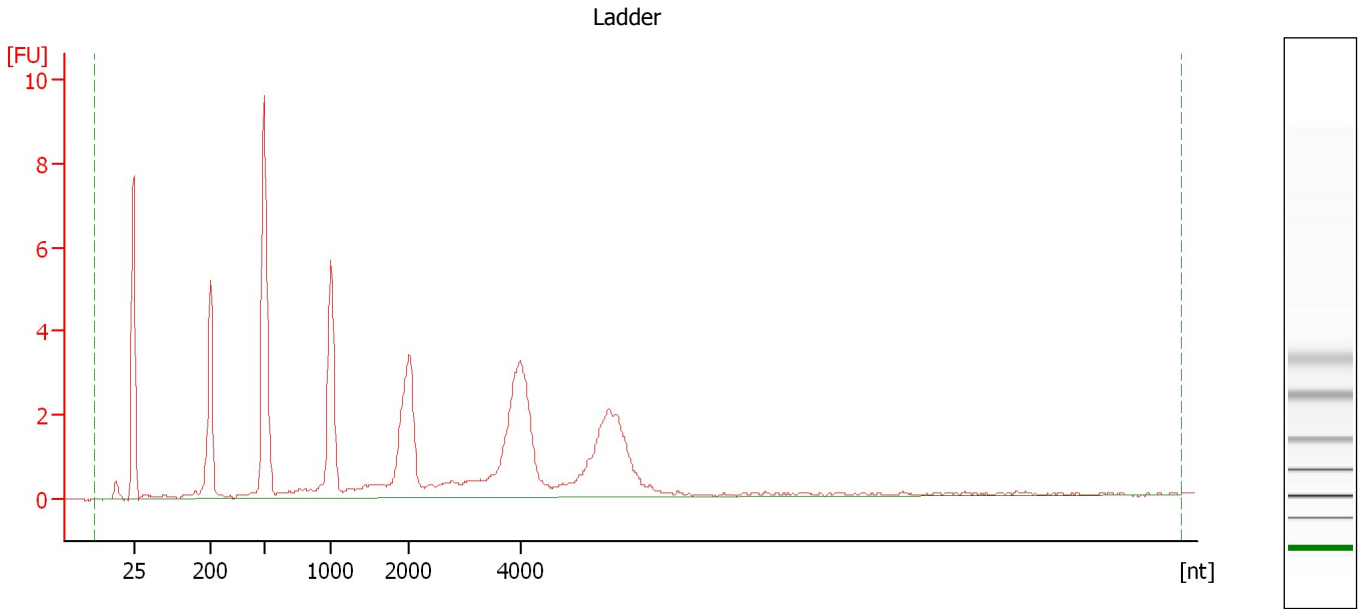
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary



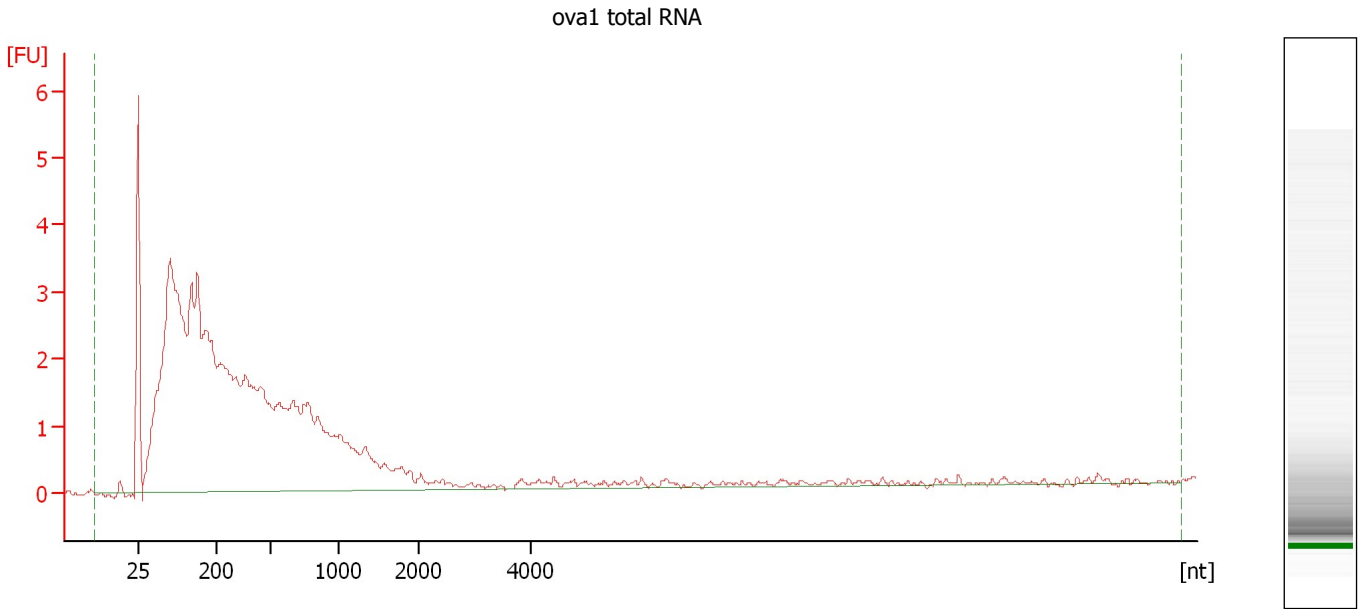
Overall Results for Ladder

RNA Area: 78.2 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary Continued ...



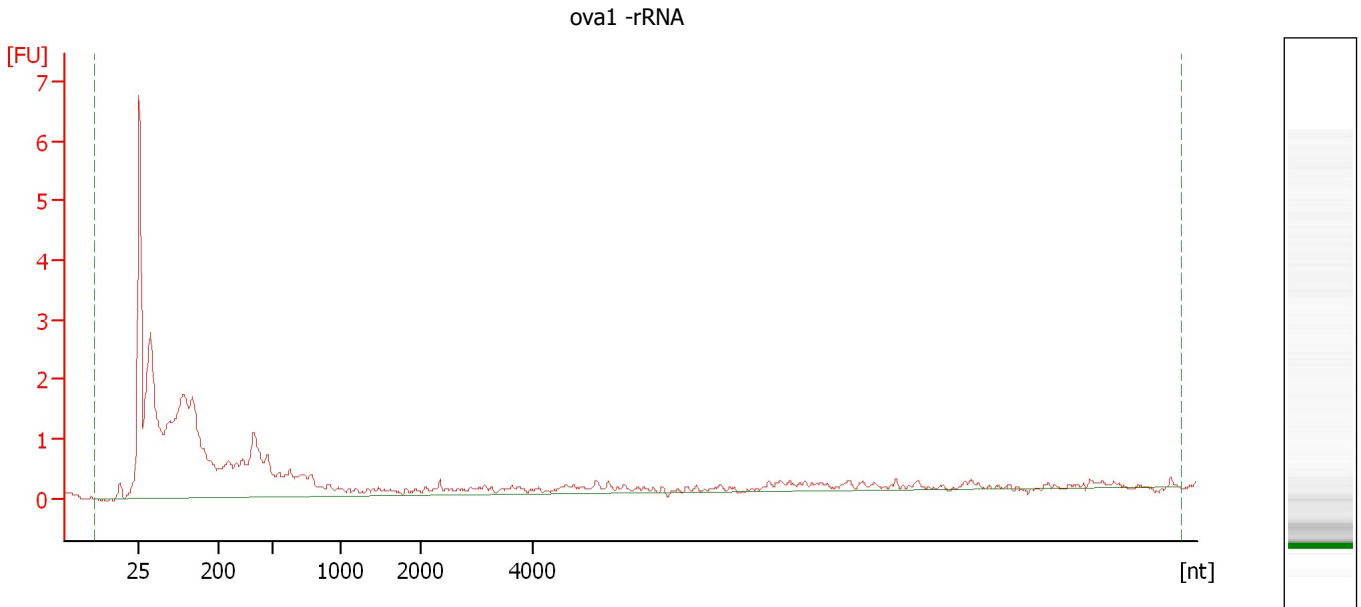
Overall Results for sample 1 : ova1 total RNA

RNA Area: 98.6 rRNA Contamination: 0.0 %
RNA Concentration: 1,261 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary Continued ...



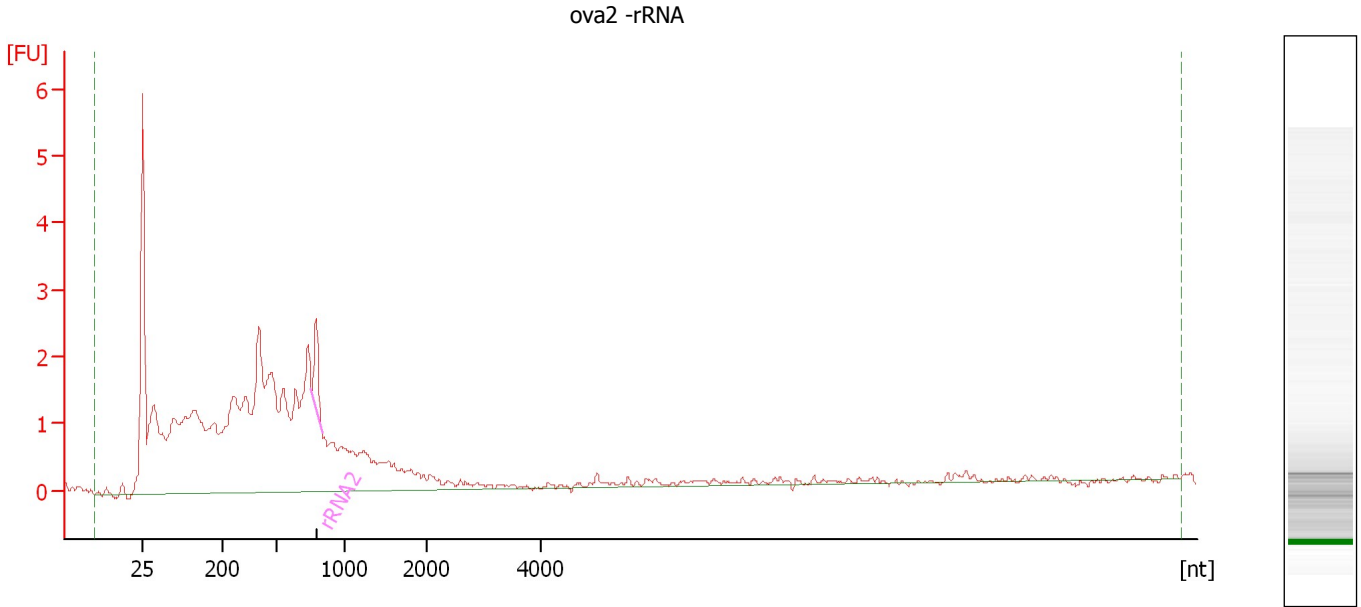
Overall Results for sample 2 : ova1 -rRNA

RNA Area:	47.9	rRNA Contamination:	0.0 %
RNA Concentration:	612 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : ova2 -rRNA

RNA Area: 69.6 rRNA Contamination: 1.9 %
RNA Concentration: 891 pg/μl

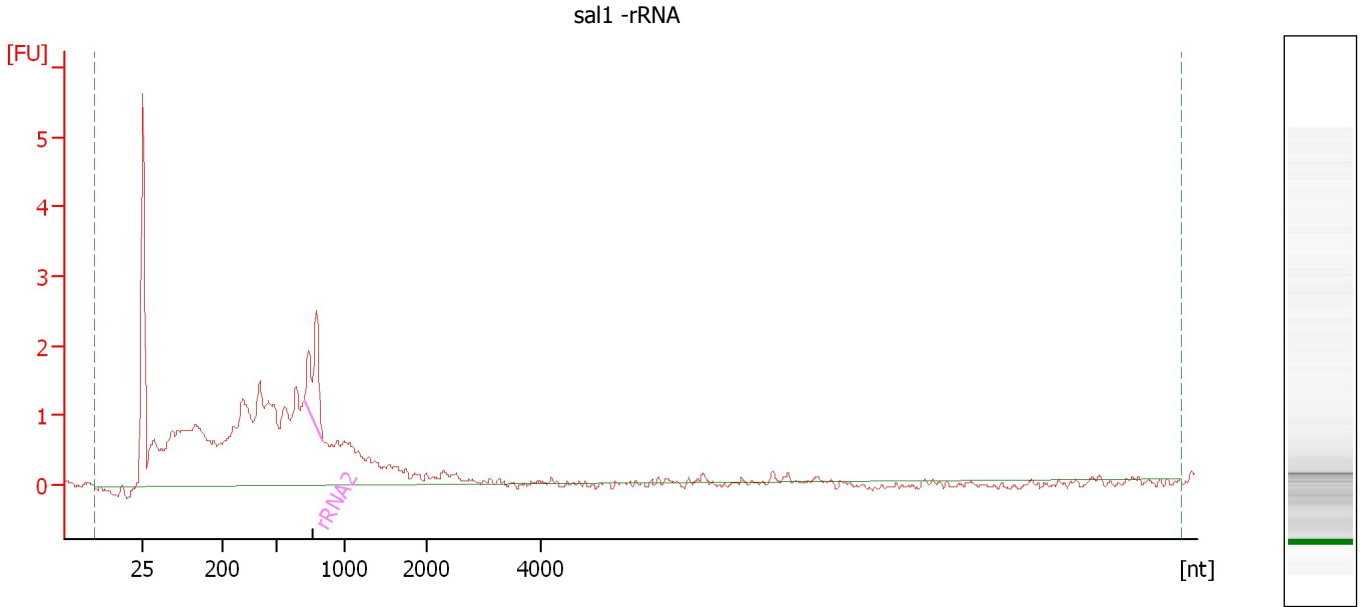
Fragment table for sample 3 : ova2 -rRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	755	830	1.3	1.9

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : sal1 -rRNA

RNA Area: 49.5 rRNA Contamination: 5.8 %
RNA Concentration: 633 pg/μl

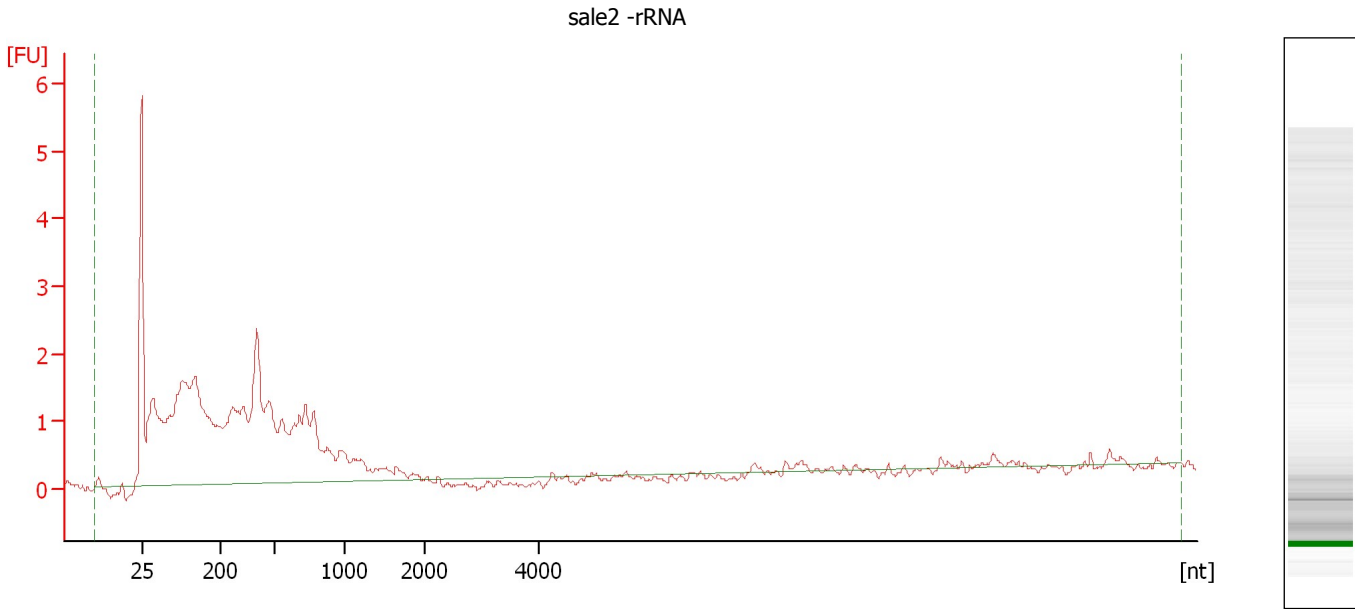
Fragment table for sample 4 : sal1 -rRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	703	841	2.9	5.8

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary Continued ...



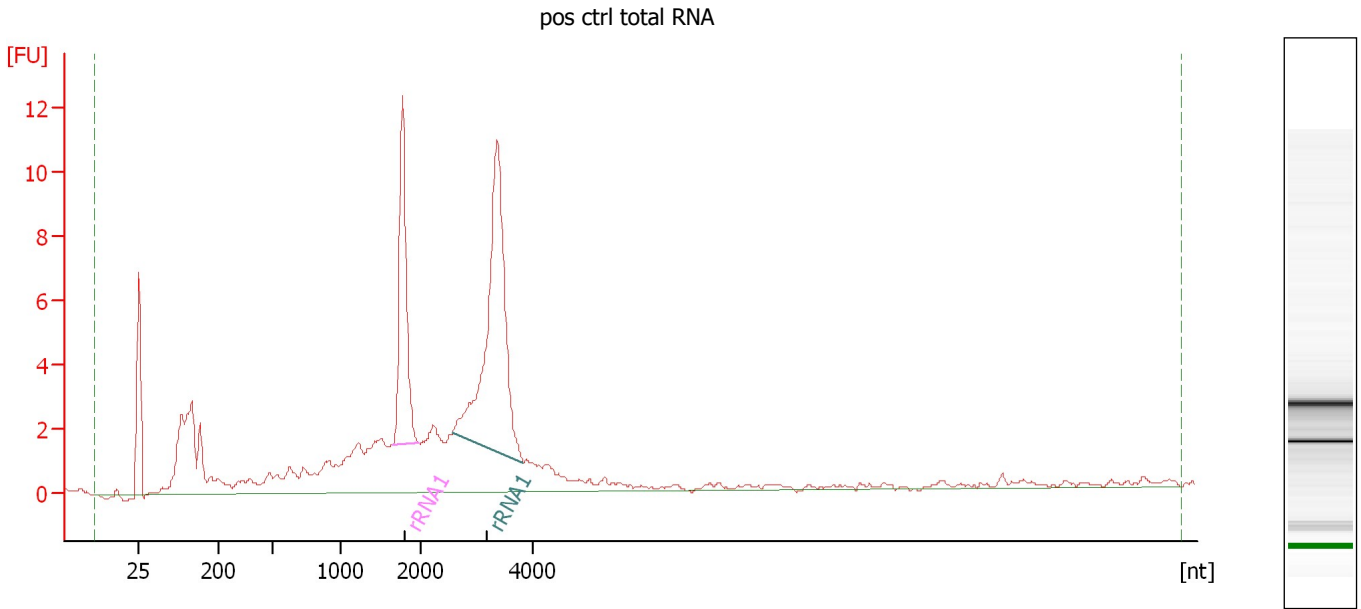
Overall Results for sample 5 : sale2 -rRNA

RNA Area:	55.8	rRNA Contamination:	0.0 %
RNA Concentration:	714 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : pos ctrl total RNA

RNA Area: 138.1 rRNA Contamination: 33.4 %
RNA Concentration: 1,767 pg/μl

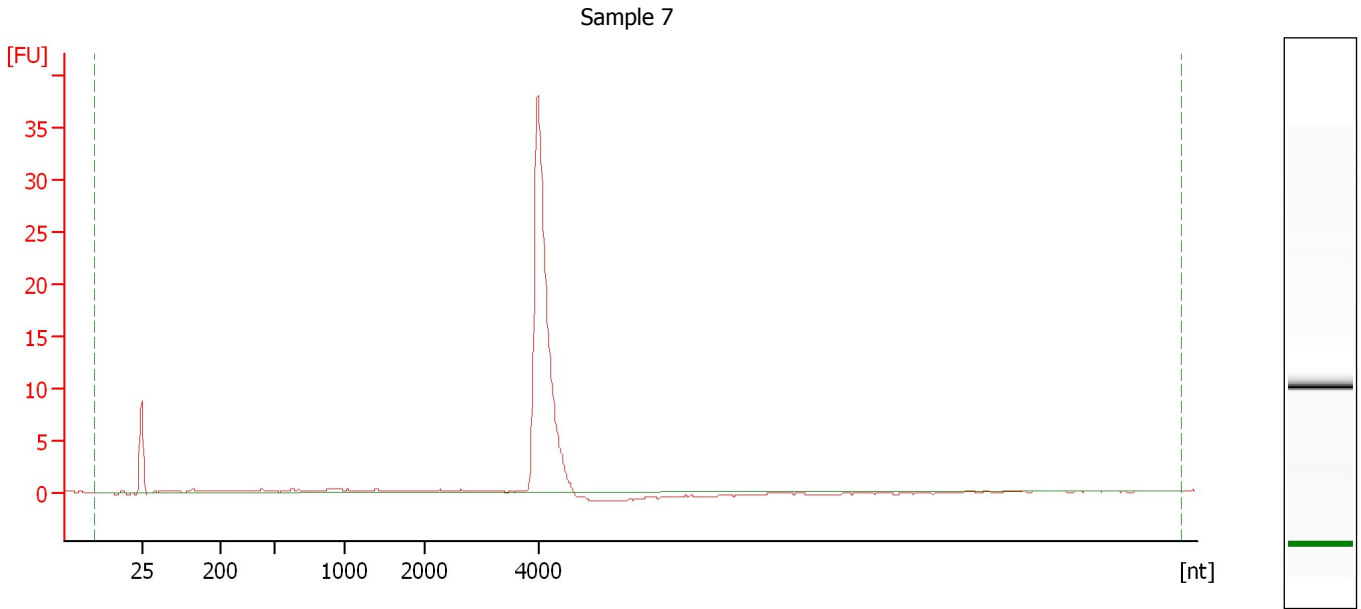
Fragment table for sample 6 : pos ctrl total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,657	1,974	16.2	11.7
rRNA1	2,570	3,827	30.0	21.7

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

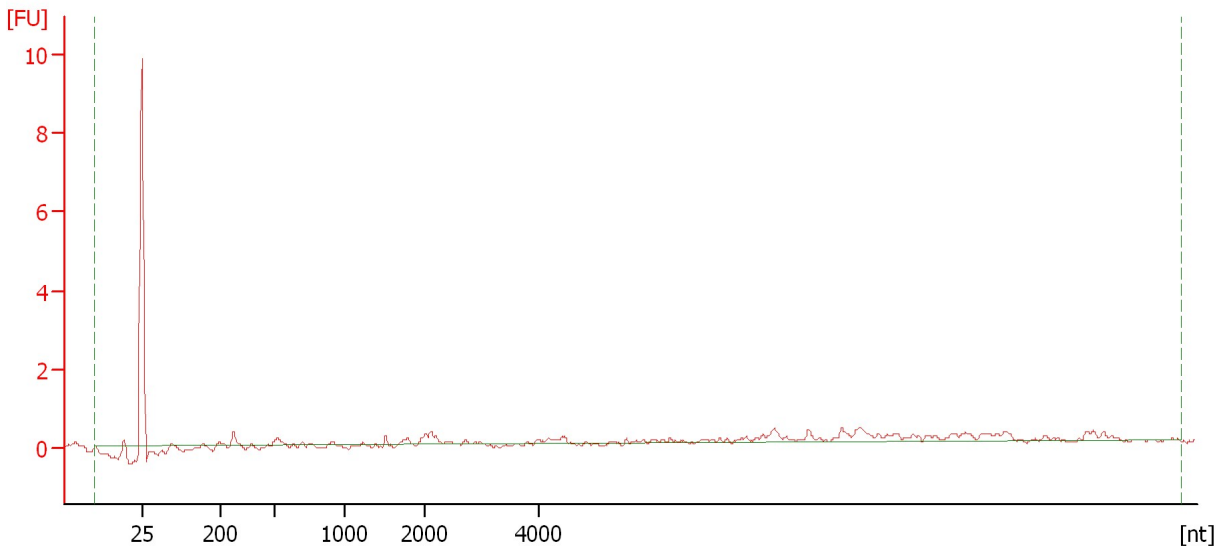
RNA Area: 89.4 rRNA Contamination: 0.0 %
RNA Concentration: 1,144 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

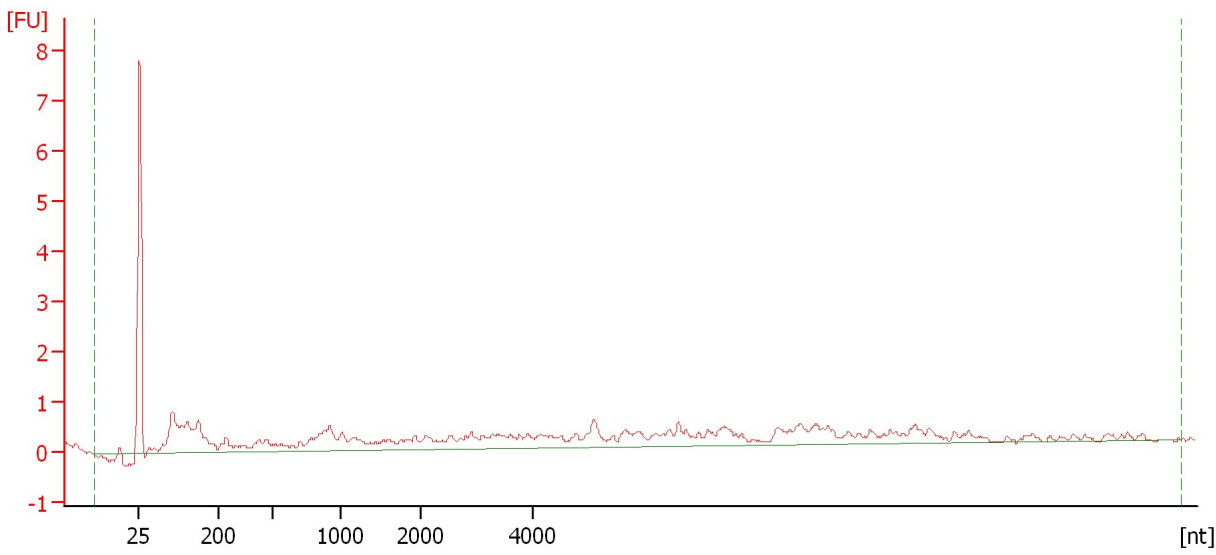
RNA Area:	9.1	rRNA Contamination:	0.0 %
RNA Concentration:	116 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary Continued ...

Sample 9



Overall Results for sample 9 : Sample 9

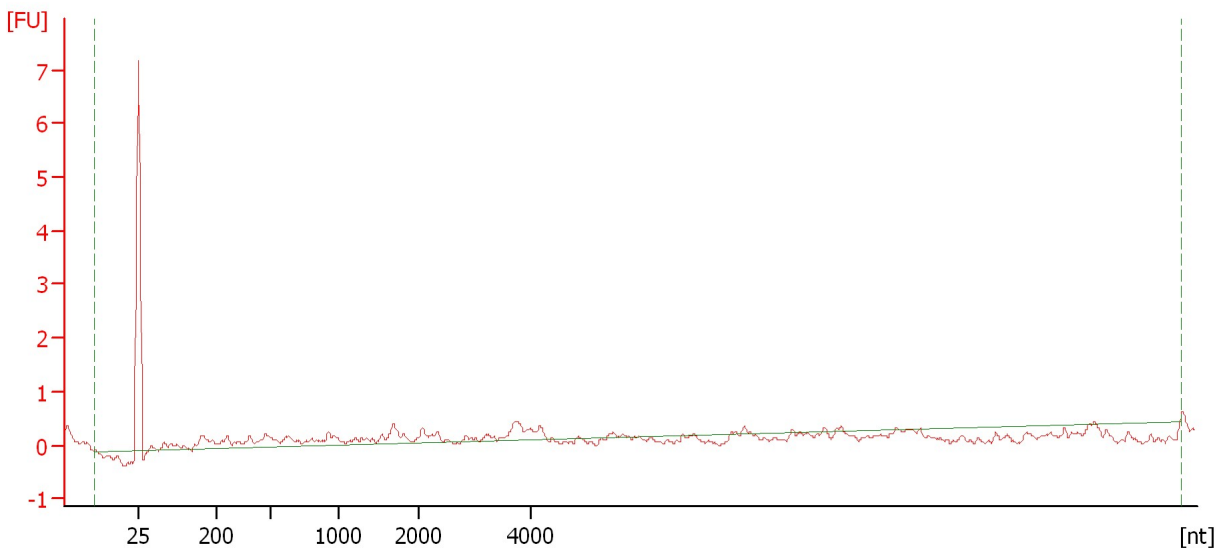
RNA Area:	32.1	rRNA Contamination:	0.0 %
RNA Concentration:	411 pg/ μ l		

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary Continued ...

Sample 10



Overall Results for sample 10 : Sample 10

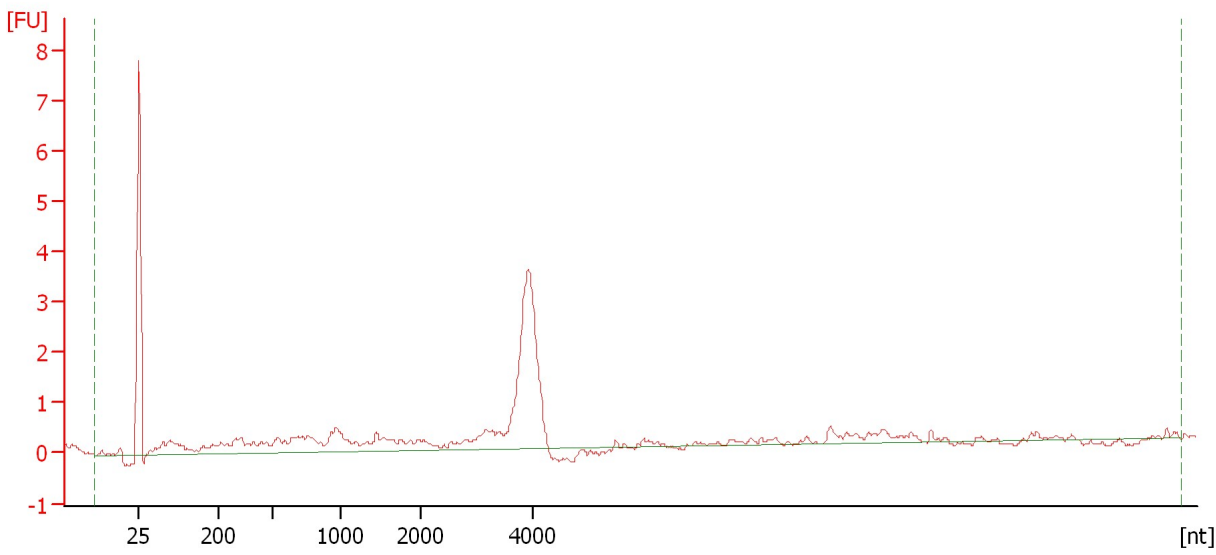
RNA Area: 8.5 rRNA Contamination: 0.0 %
RNA Concentration: 109 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Electropherogram Summary Continued ...

Sample 11



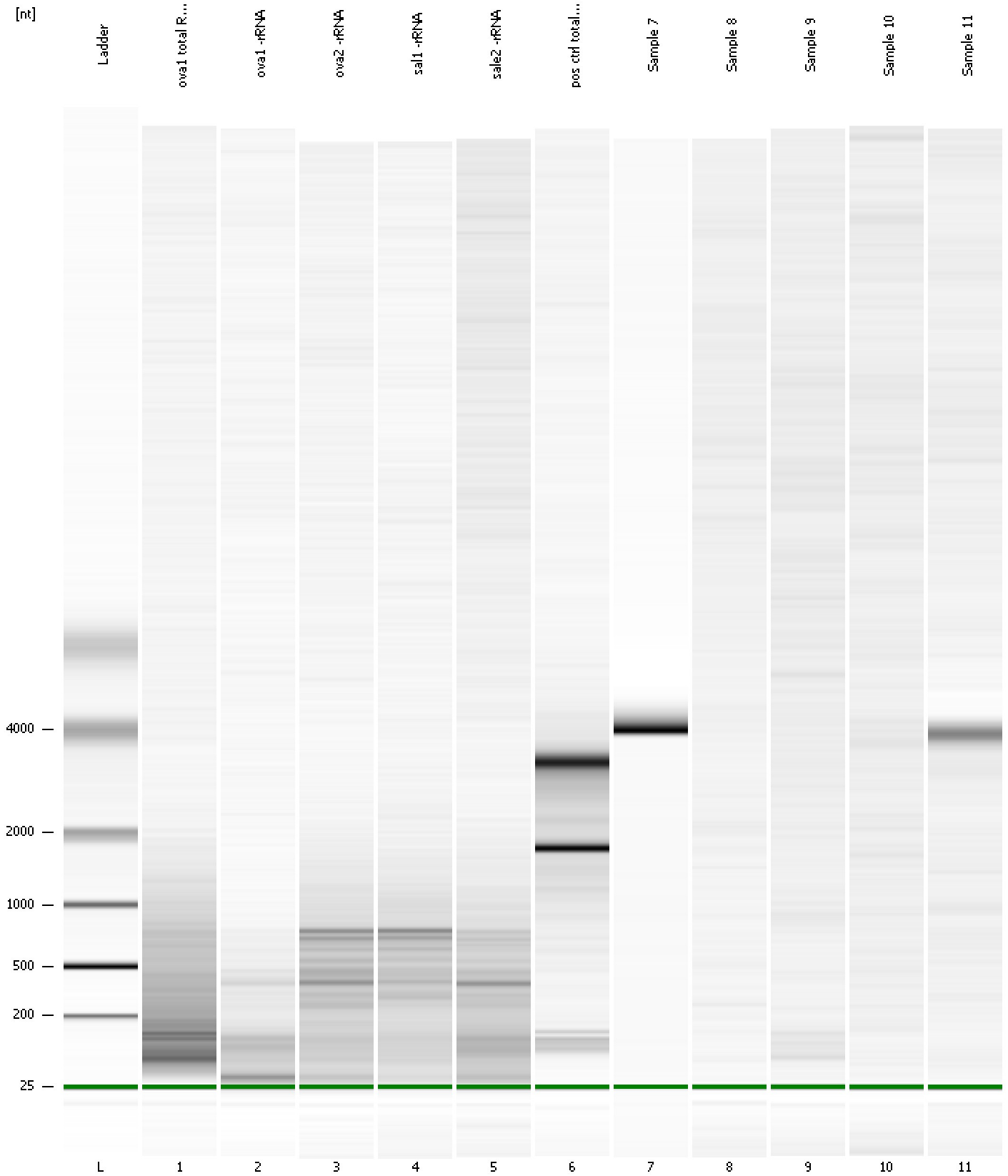
Overall Results for sample 11 : Sample 11

RNA Area: 29.2 rRNA Contamination: 0.0 %
RNA Concentration: 373 pg/μl

Assay Class: mRNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
Modified: 12/10/2015 12:13:33 PM

Gel Image



Assay Class: mRNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad

Created: 12/10/2015 11:47:33 AM
 Modified: 12/10/2015 12:13:33 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12/10/2015 12:13:28 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-12-10\2015-12-10_002.xad)		Instrument	Run		12/10/2015 11:47:39 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/10/2015 11:47:39 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/10/2015 11:47:39 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/10/2015 11:47:39 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/10/2015 11:47:39 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/10/2015 11:47:39 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/10/2015 11:47:39 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1