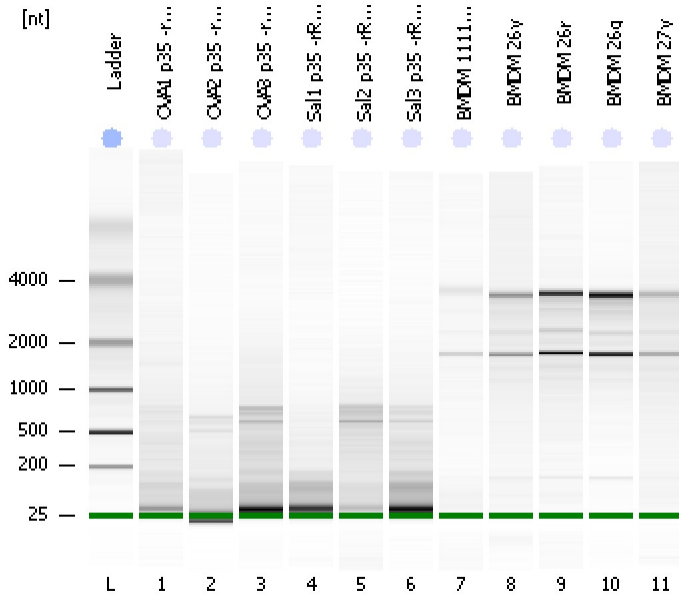


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

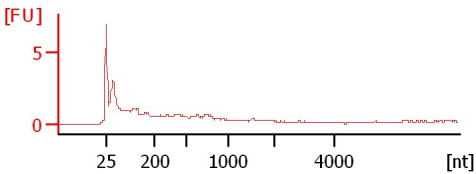
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
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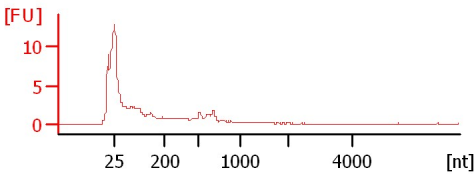
Chip Information:

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

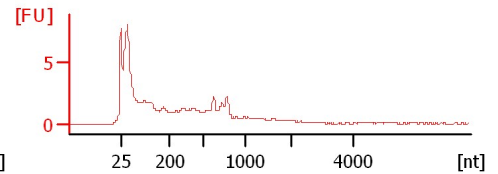
OVA1 p35 -rRNA
RIN: 2.40



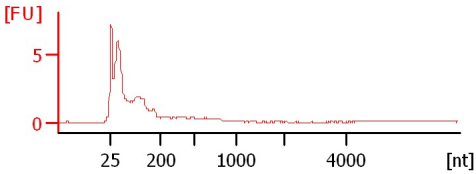
OVA2 p35 -rRNA
RIN: 1.90



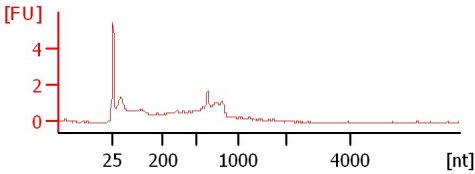
OVA3 p35 -rRNA
RIN: 2.20



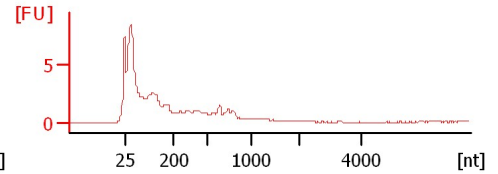
Sal1 p35 -rRNA
RIN: 2.50



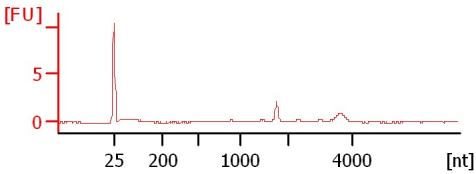
Sal2 p35 -rRNA
RIN: 2.30



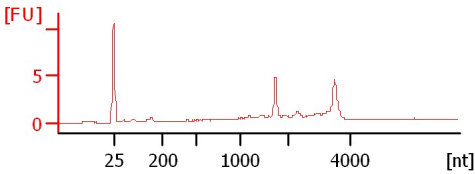
Sal3 p35 -rRNA
RIN: 2.30



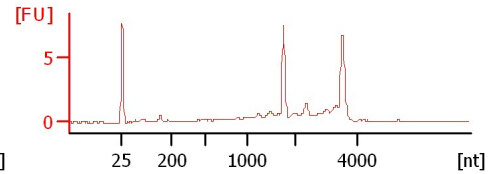
BMDM 1111M2.1 1:4
RIN: 7.60



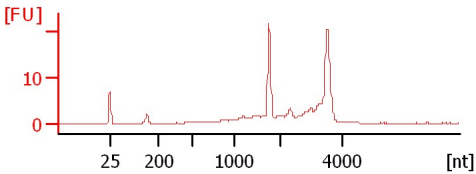
BMDM 26y
RIN: 7.50



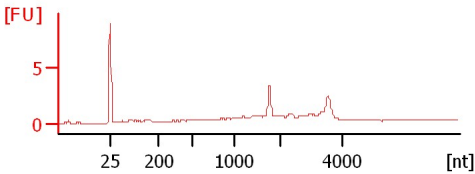
BMDM 26r
RIN: 7.60



BMDM 26g
RIN: 8.30



BMDM 27y
RIN: 7.10



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
OVA1 p35 -rRNA		✓	RIN: 2.40	
OVA2 p35 -rRNA		✓	RIN: 1.90	
OVA3 p35 -rRNA		✓	RIN: 2.20	
Sal1 p35 -rRNA		✓	RIN: 2.50	
Sal2 p35 -rRNA		✓	RIN: 2.30	
Sal3 p35 -rRNA		✓	RIN: 2.30	
BMDM 1111M2.1 1:4		✓	RIN: 7.60	
BMDM 26y		✓	RIN: 7.50	
BMDM 26r		✓	RIN: 7.60	
BMDM 26g		✓	RIN: 8.30	
BMDM 27y		✓	RIN: 7.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
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] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

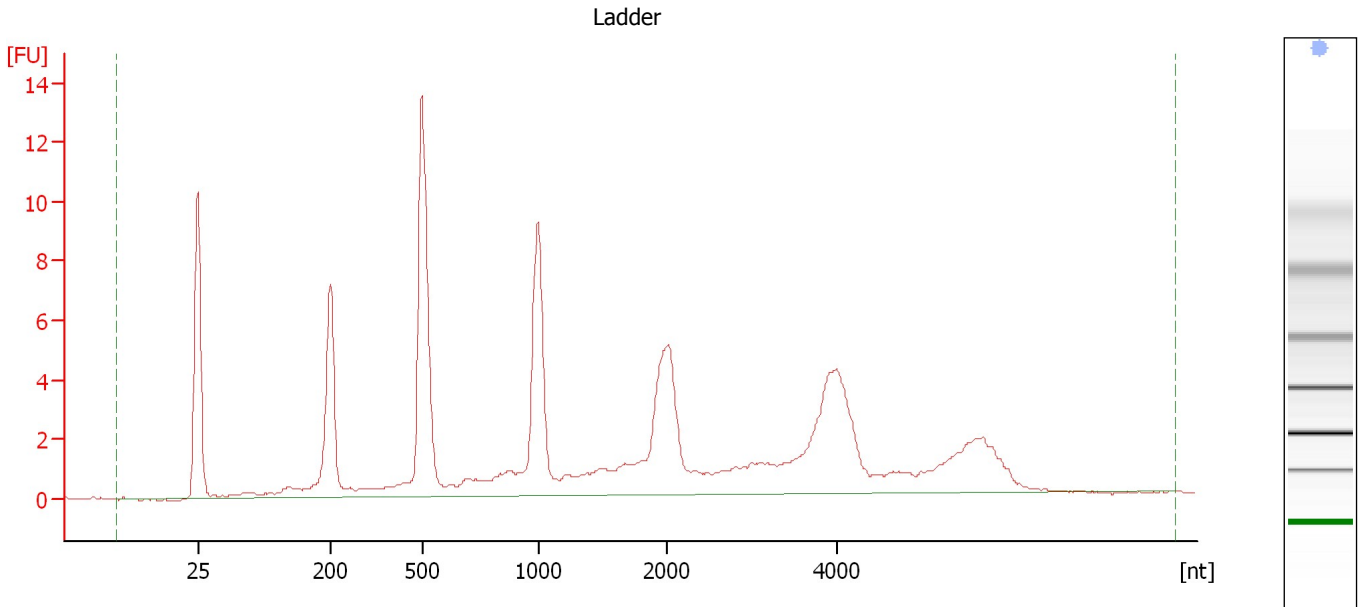
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary



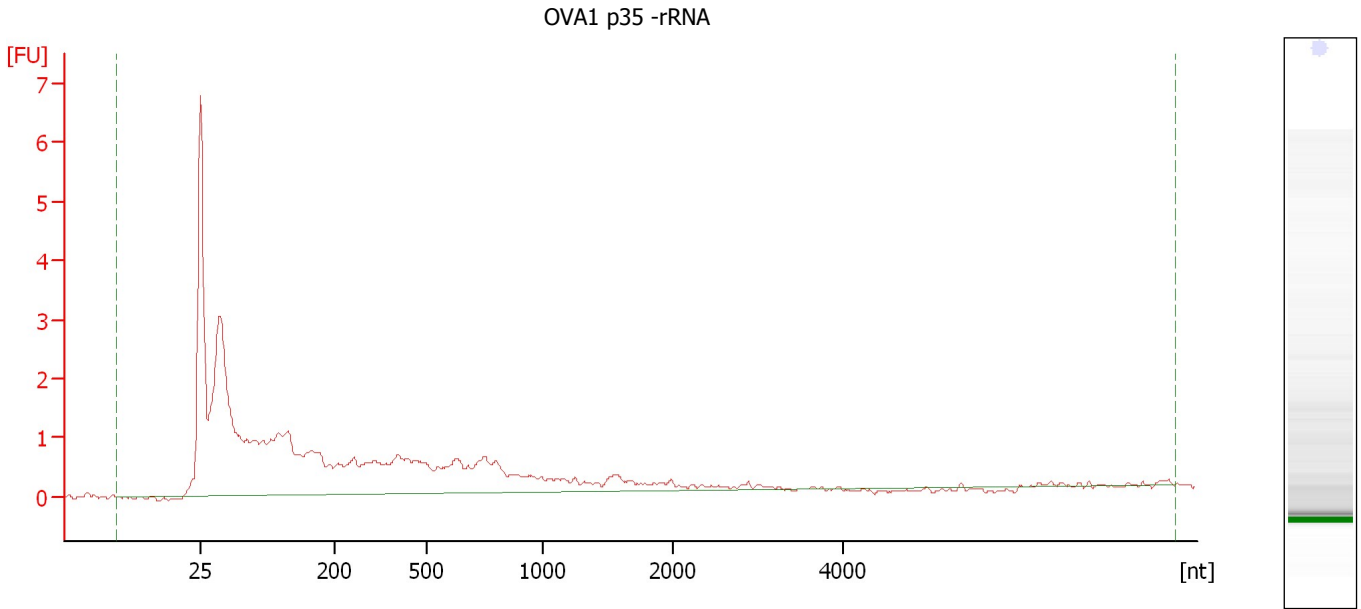
Overall Results for Ladder

RNA Area:	116.5	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : OVA1 p35 -rRNA

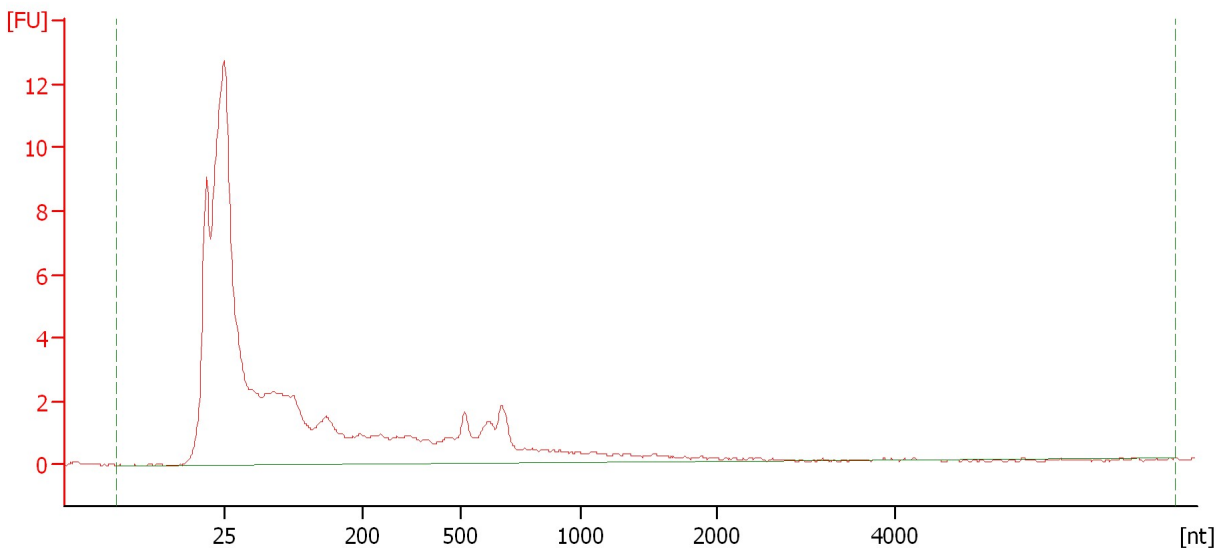
RNA Area:	41.6	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	357 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary Continued ...

OVA2 p35 -rRNA



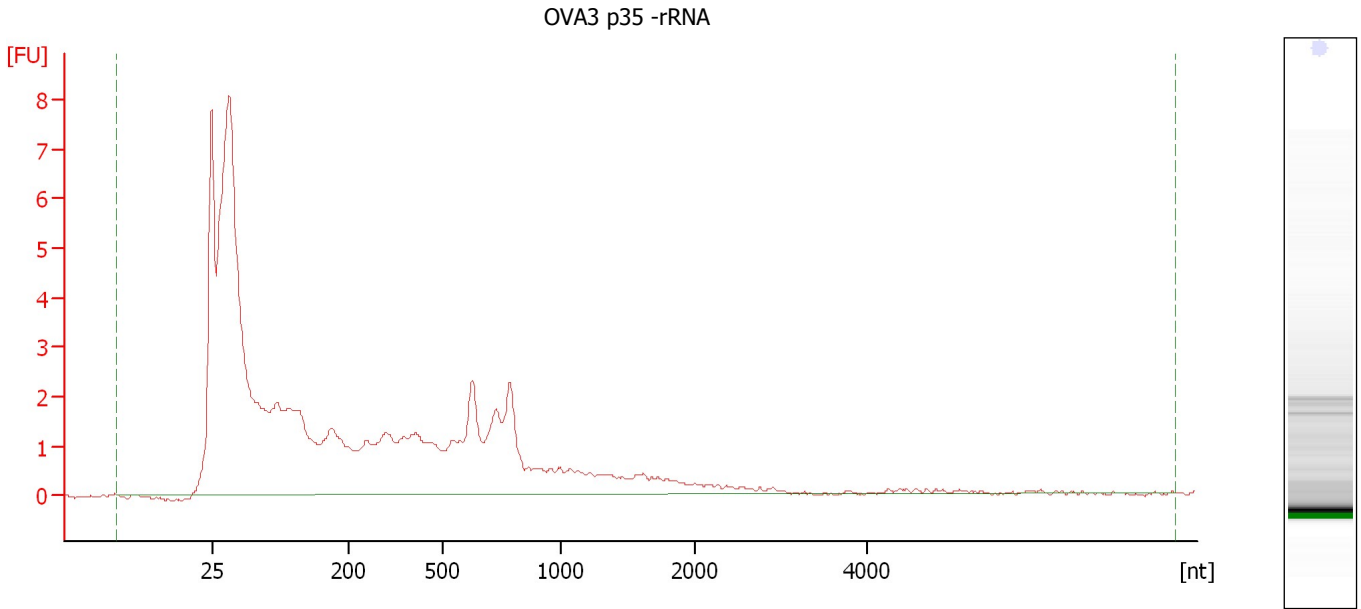
Overall Results for sample 2 : OVA2 p35 -rRNA

RNA Area:	55.5	RNA Integrity Number (RIN):	1.9 (B.02.08)
RNA Concentration:	477 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary Continued ...



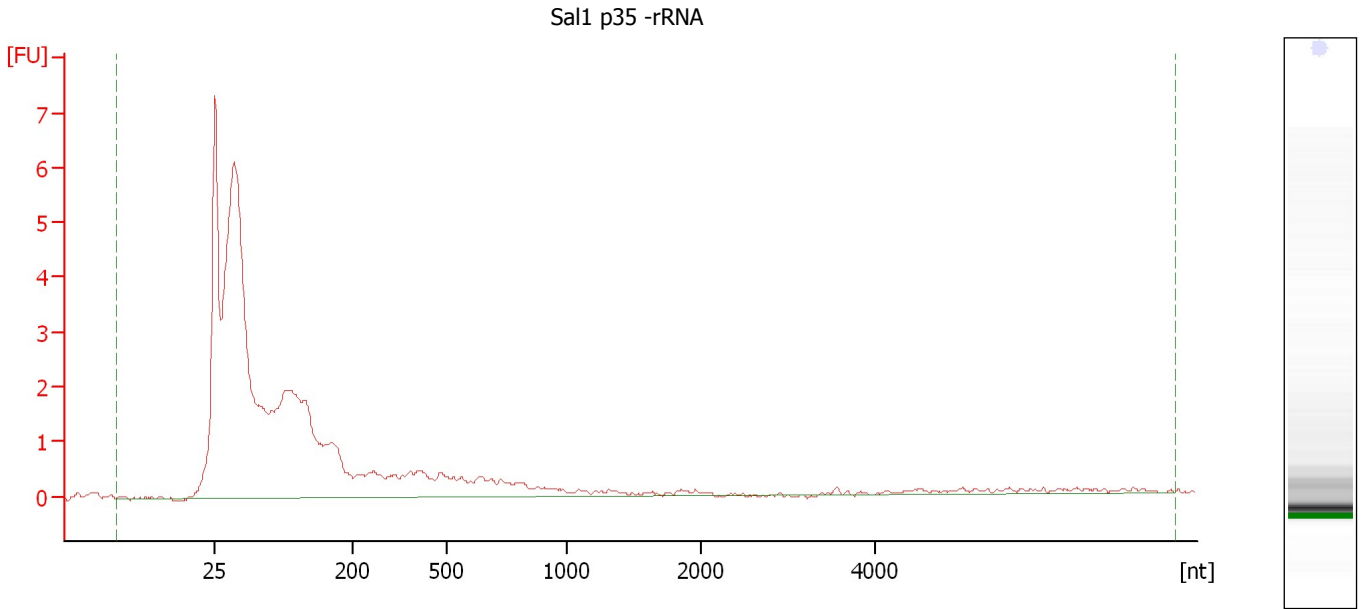
Overall Results for sample 3 : OVA3 p35 -rRNA

RNA Area:	92.8	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	797 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary Continued ...



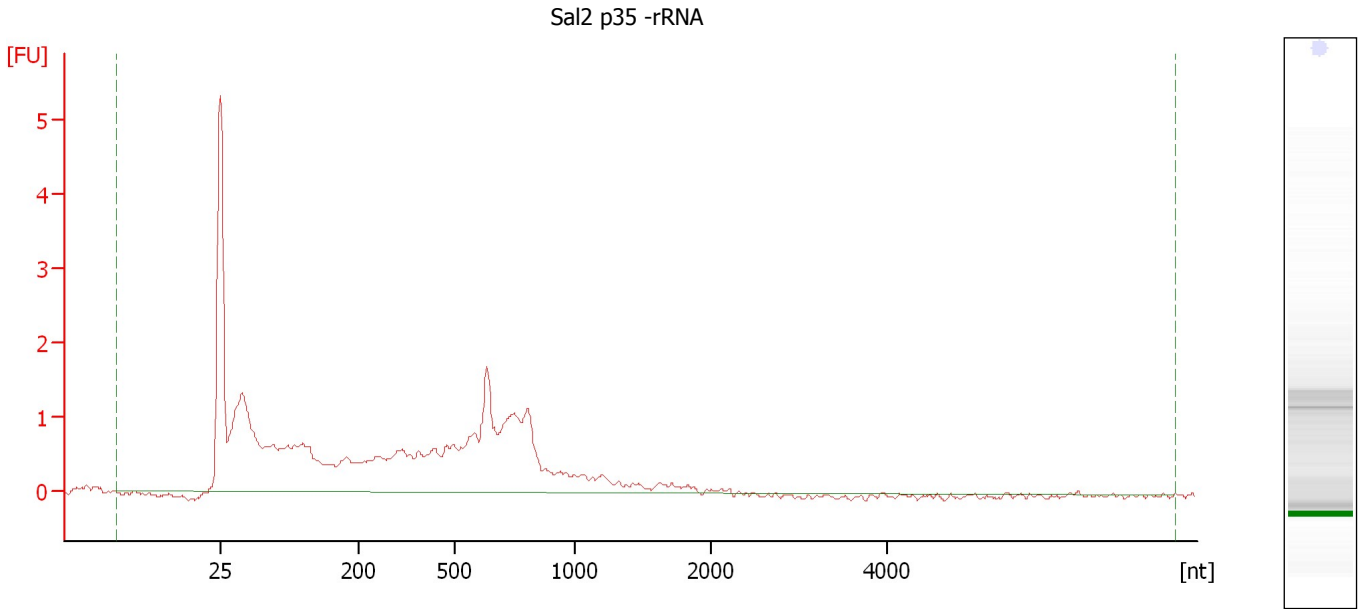
Overall Results for sample 4 : Sal1 p35 -rRNA

RNA Area:	58.4	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	501 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary Continued ...



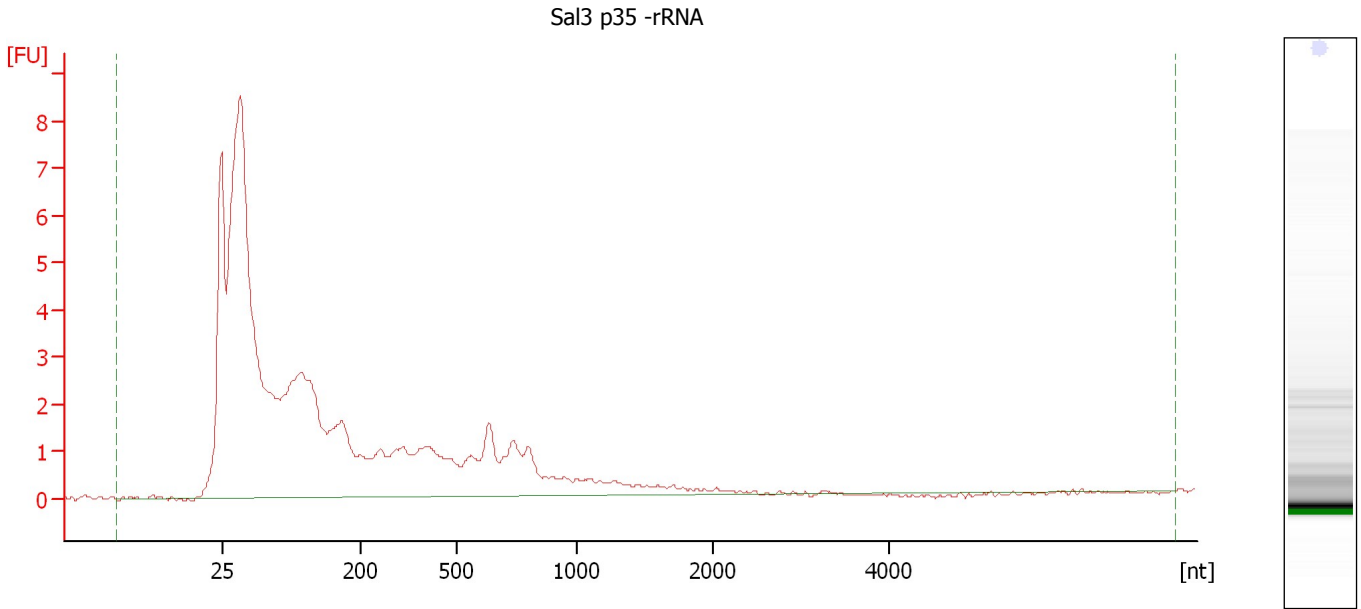
Overall Results for sample 5 : Sal2 p35 -rRNA

RNA Area:	33.3	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	286 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sal3 p35 -rRNA

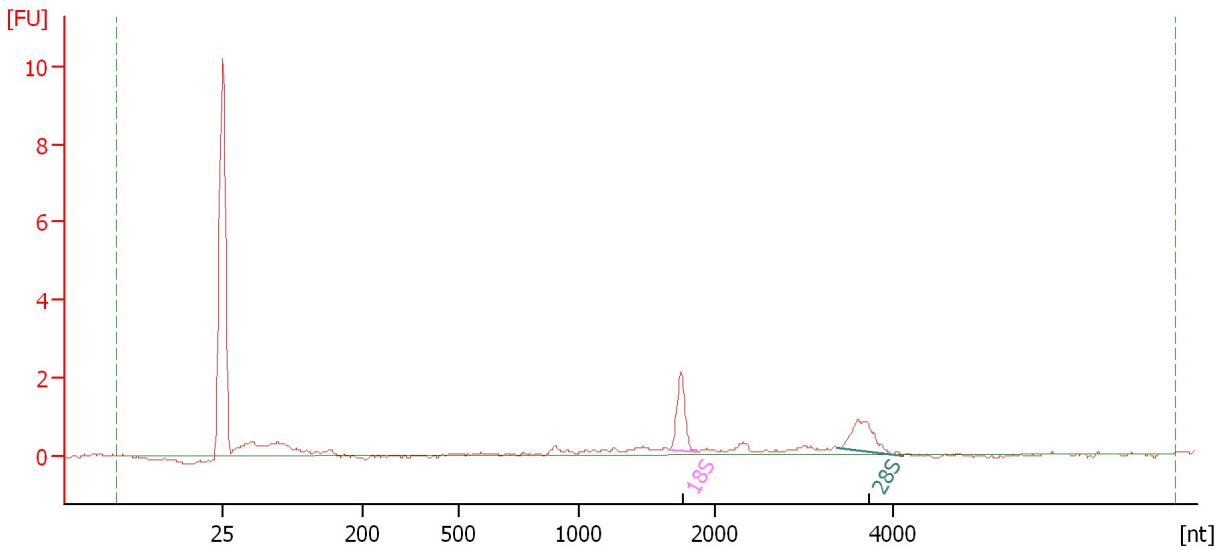
RNA Area:	95.3	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	818 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary Continued ...

BMDM 1111M2.1 1:4



Overall Results for sample 7 : BMDM 1111M2.1 1:4

RNA Area: 10.9 RNA Integrity Number (RIN): 7.6 (B.02.08)
RNA Concentration: 94 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 7.60

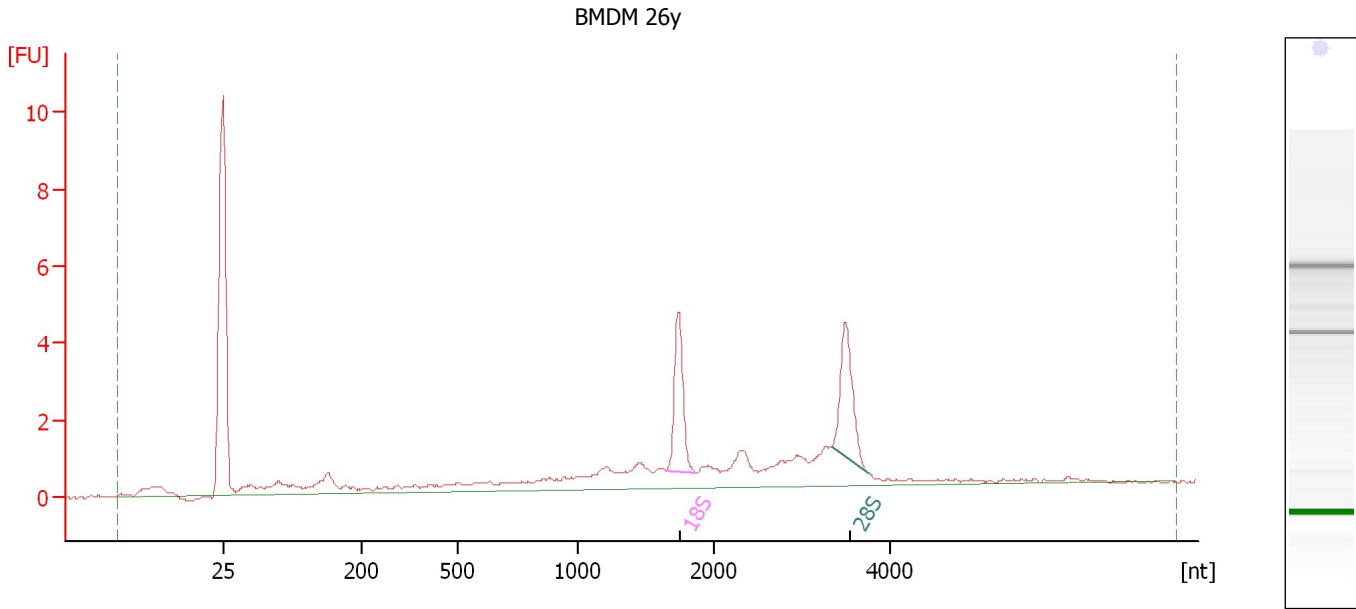
Fragment table for sample 7 : BMDM 1111M2.1 1:4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,656	1,884	1.9	17.6
28S	3,379	4,115	1.8	16.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
 Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : BMDM 26y

RNA Area:	39.5	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	339 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.50

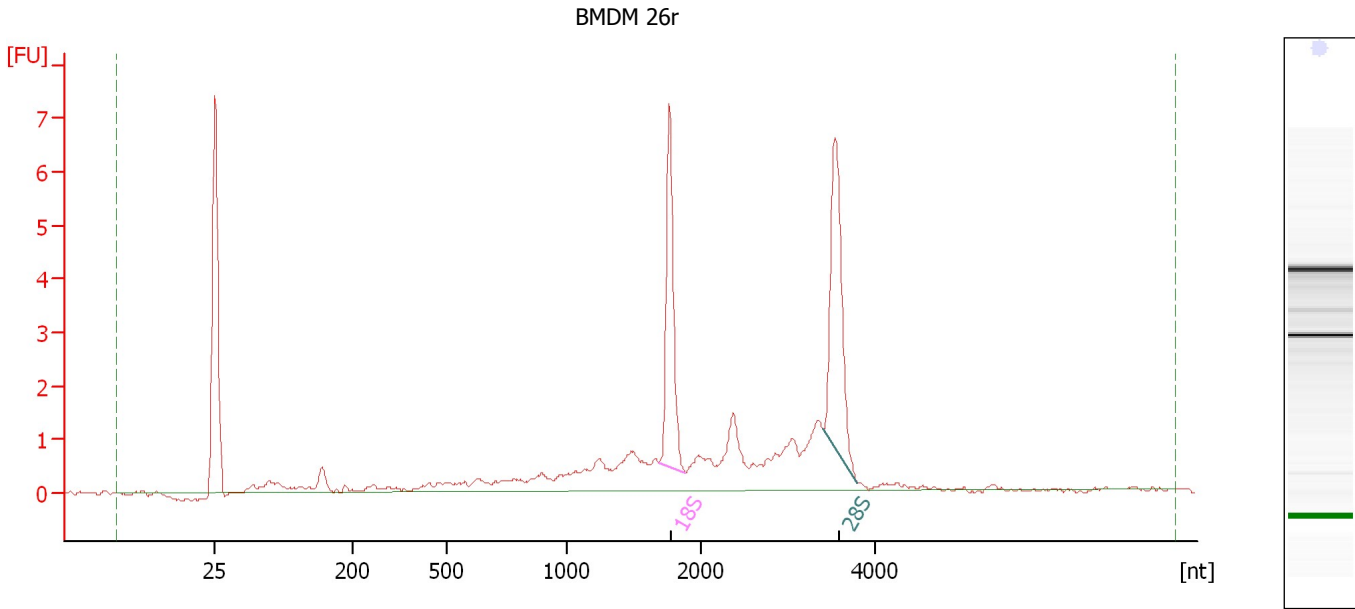
Fragment table for sample 8 : BMDM 26y

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,639	1,868	4.1	10.4
28S	3,332	3,731	4.4	11.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : BMDM 26r

RNA Area:	36.0	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	309 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.60

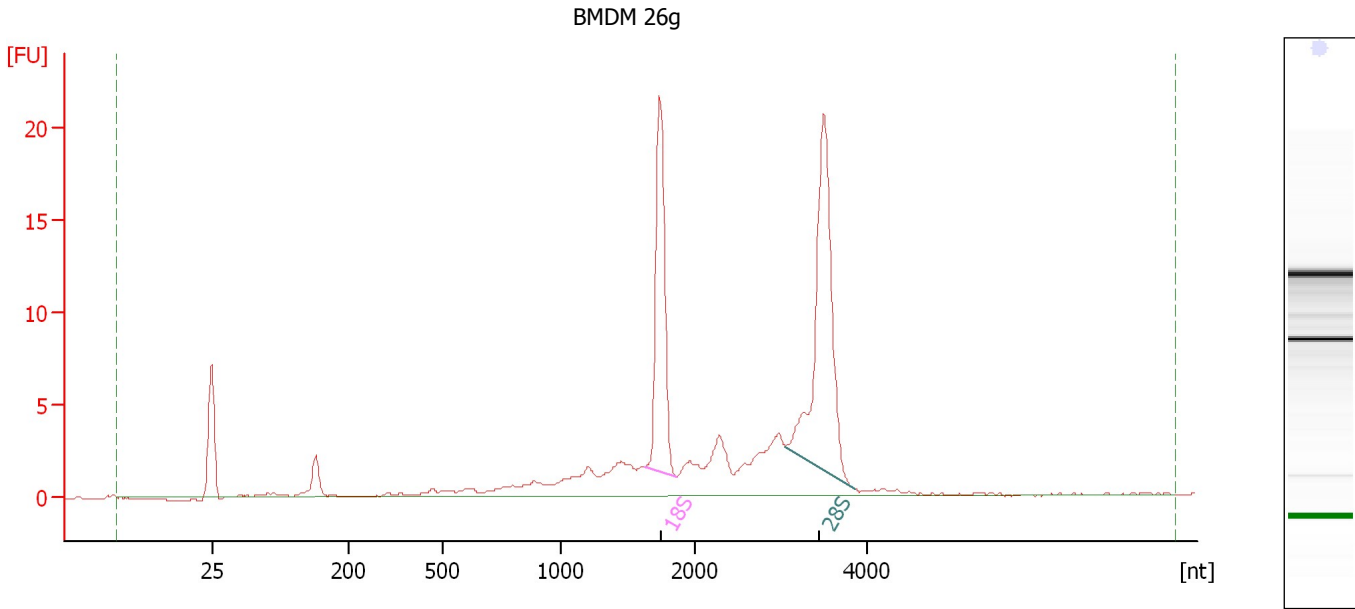
Fragment table for sample 9 : BMDM 26r

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	1,887	5.9	16.3
28S	3,406	3,798	6.5	18.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : BMDM 26g

RNA Area:	111.2	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	955 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.30

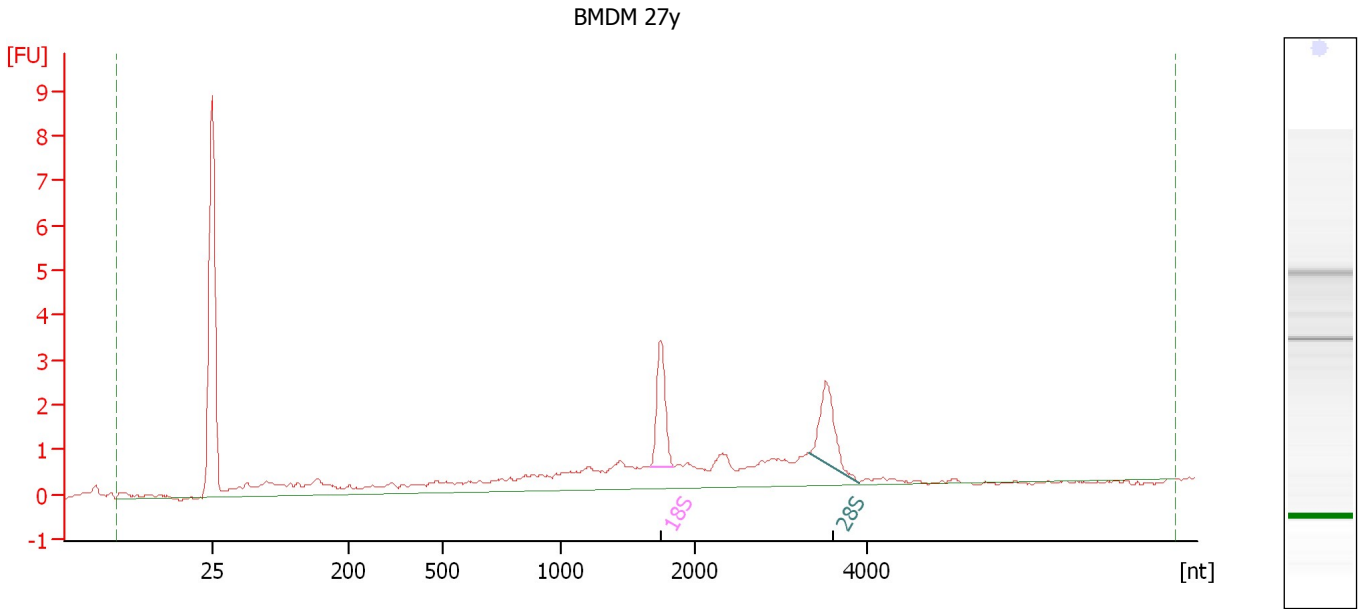
Fragment table for sample 10 : BMDM 26g

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,628	1,869	21.0	18.9
28S	3,056	3,844	31.7	28.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : BMDM 27y

RNA Area:	31.2	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	268 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.10

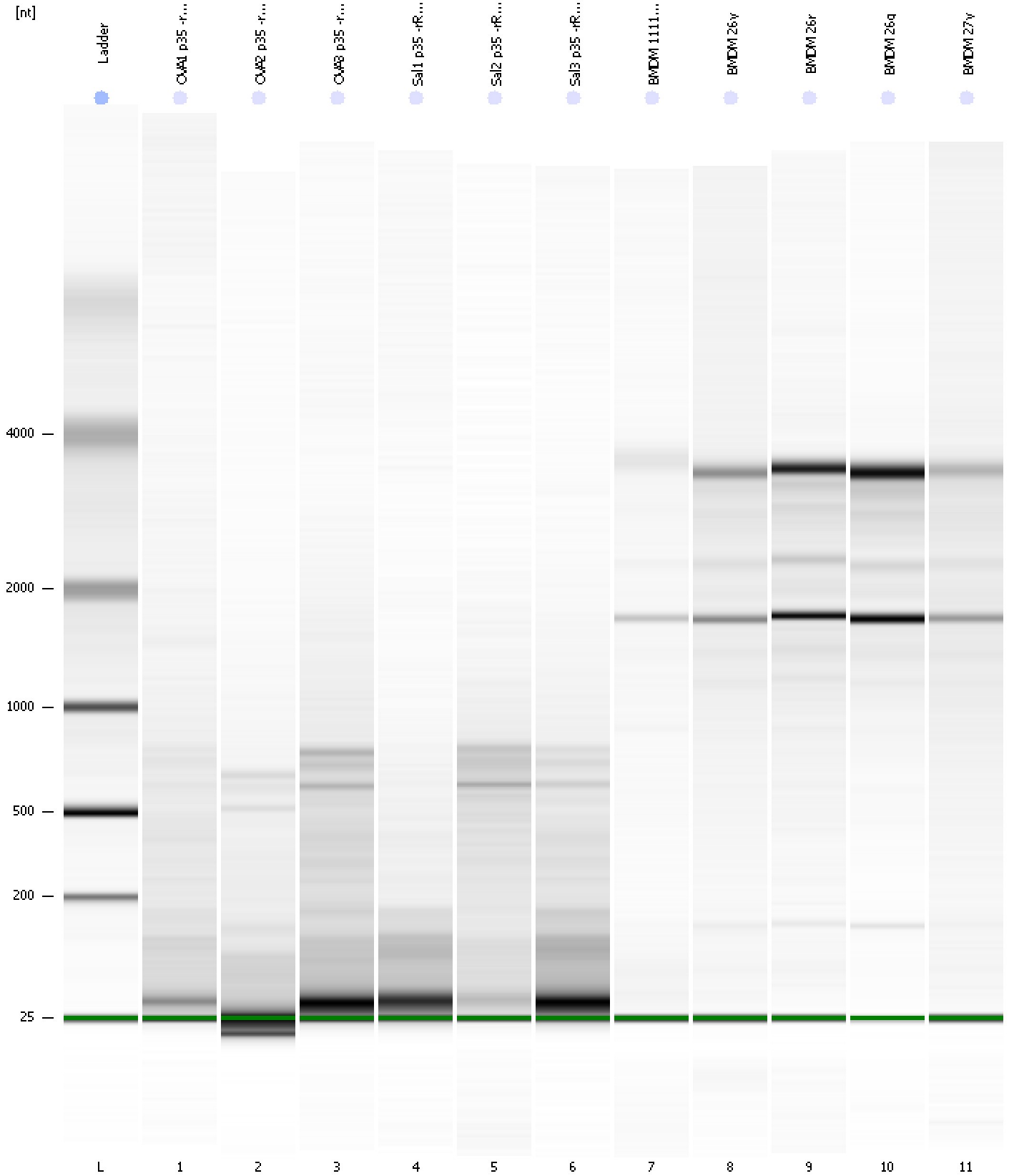
Fragment table for sample 11 : BMDM 27y

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,668	1,845	2.8	8.9
28S	3,326	3,893	2.6	8.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
Modified: 11/23/2015 4:34:18 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad

Created: 11/23/2015 4:11:21 PM
 Modified: 11/23/2015 4:34:18 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		11/23/2015 4:34:16 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-11-23\2015-11-23_005.xad)		Instrument	Run		11/23/2015 4:11:27 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/23/2015 4:11:27 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/23/2015 4:11:27 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/23/2015 4:11:27 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/23/2015 4:11:27 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/23/2015 4:11:27 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/23/2015 4:11:27 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1