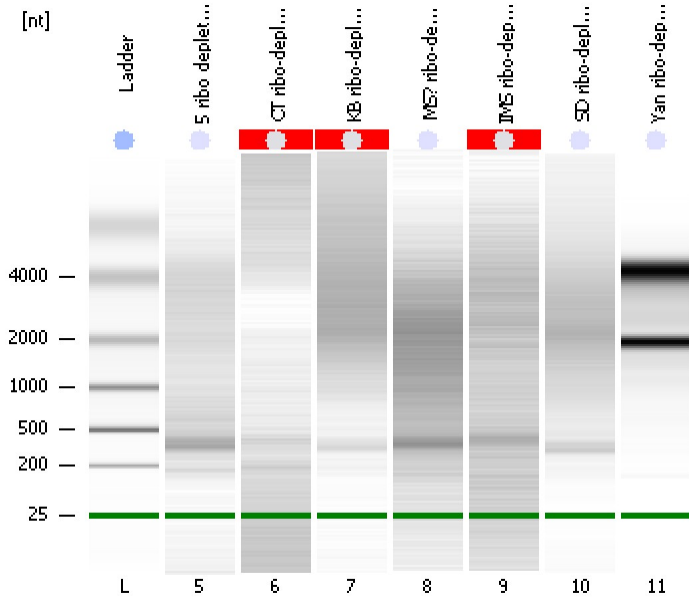


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:52:49 PM

Electrophoresis File Run Summary



Instrument Information:

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

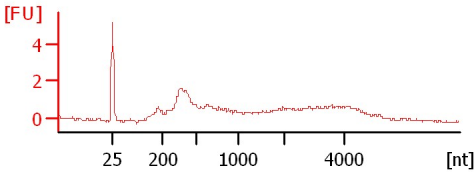
Assay Information:

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)
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

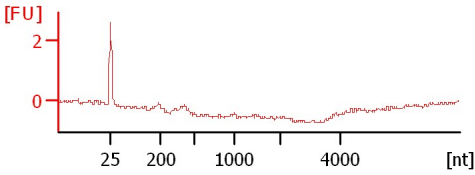
Chip Information:

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

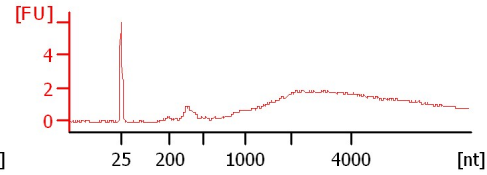
5 ribo depleted RNA
 Workshop RIN: 2.30



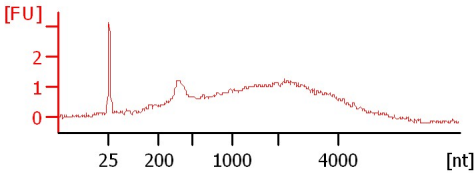
CT ribo-depleted RNA
 Workshop RIN N/A



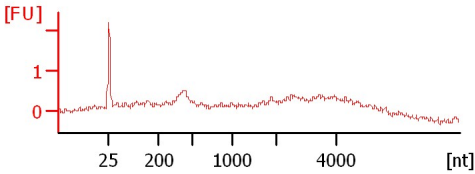
KB ribo-depleted RNA
 Workshop RIN N/A



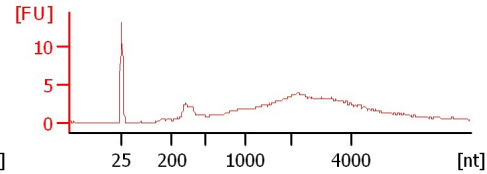
MS? ribo-depleted RNA
 Workshop RIN: 2.40



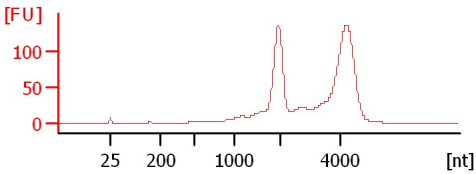
IMS ribo-depleted RNA
 Workshop RIN N/A



SD ribo-depleted RNA
 Workshop RIN: 2.40



Yan ribo-depleted RNA
 Workshop RIN: 9.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:52:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
5 ribo depleted RNA	Workshop	✓	RIN: 2.30	
CT ribo-depleted RNA	Workshop	✓	RIN N/A	
KB ribo-depleted RNA	Workshop	✓	RIN N/A	
MS? ribo-depleted RNA	Workshop	✓	RIN: 2.40	
IMS ribo-depleted RNA	Workshop	✓	RIN N/A	
SD ribo-depleted RNA	Workshop	✓	RIN: 2.40	
Yan ribo-depleted RNA	Workshop	✓	RIN: 9.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
Modified: 11/17/2016 2:52:49 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

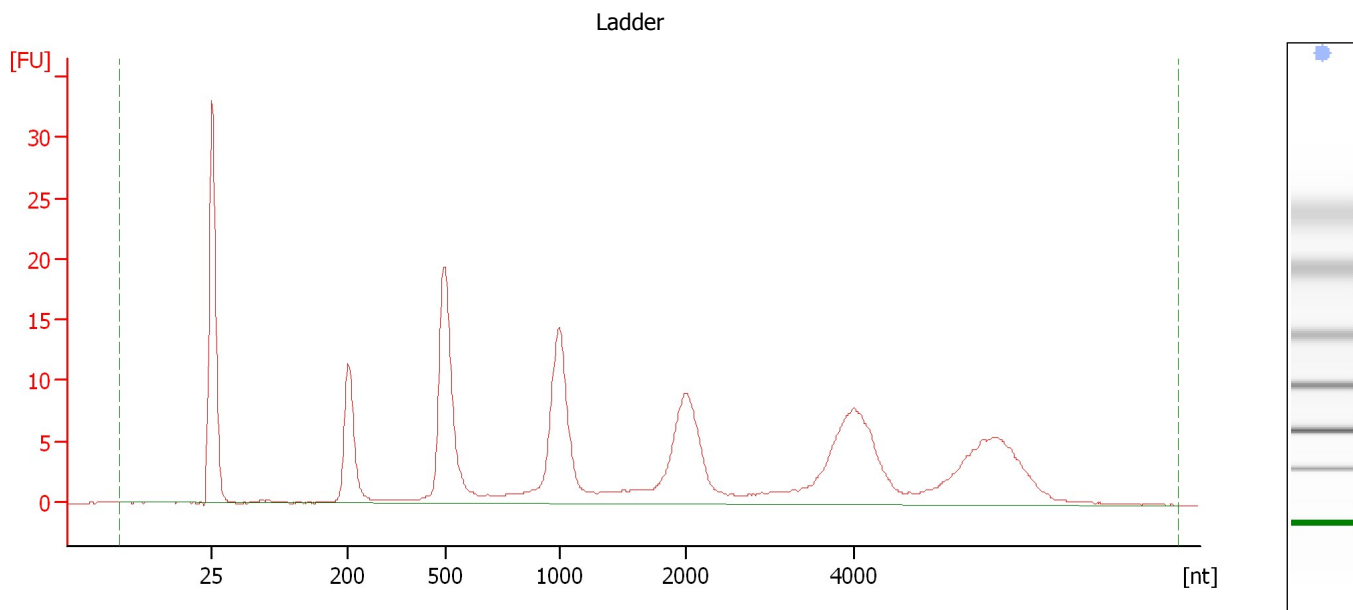
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
Modified: 11/17/2016 2:52:49 PM

Electropherogram Summary



Overall Results for Ladder

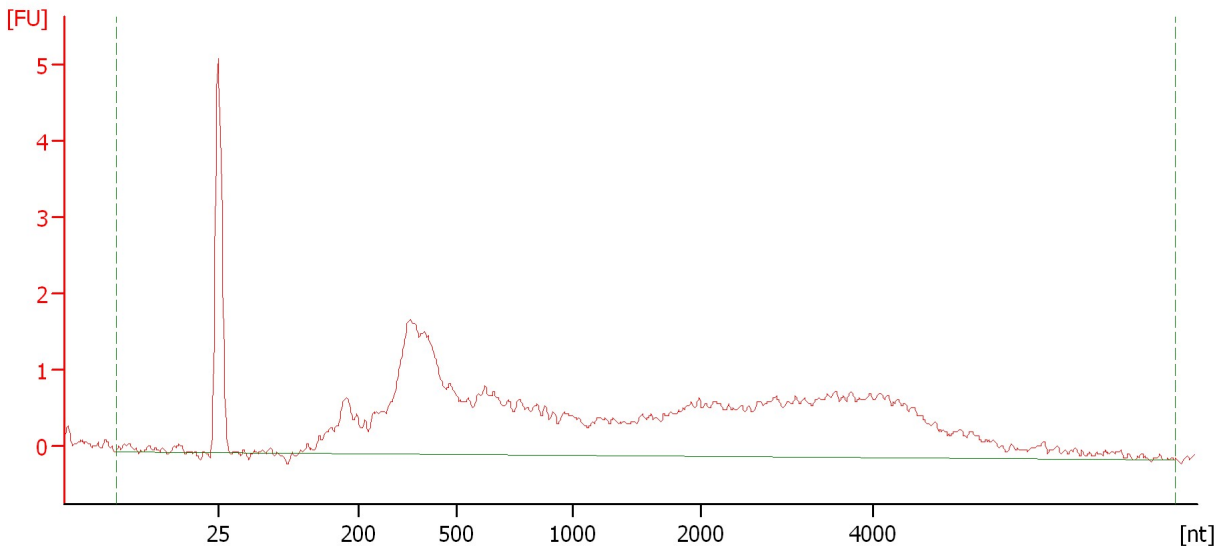
RNA Area:	216.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
Modified: 11/17/2016 2:52:49 PM

Electropherogram Summary Continued ...

5 ribo depleted RNA [Workshop]



Overall Results for sample 5 : 5 ribo depleted RNA

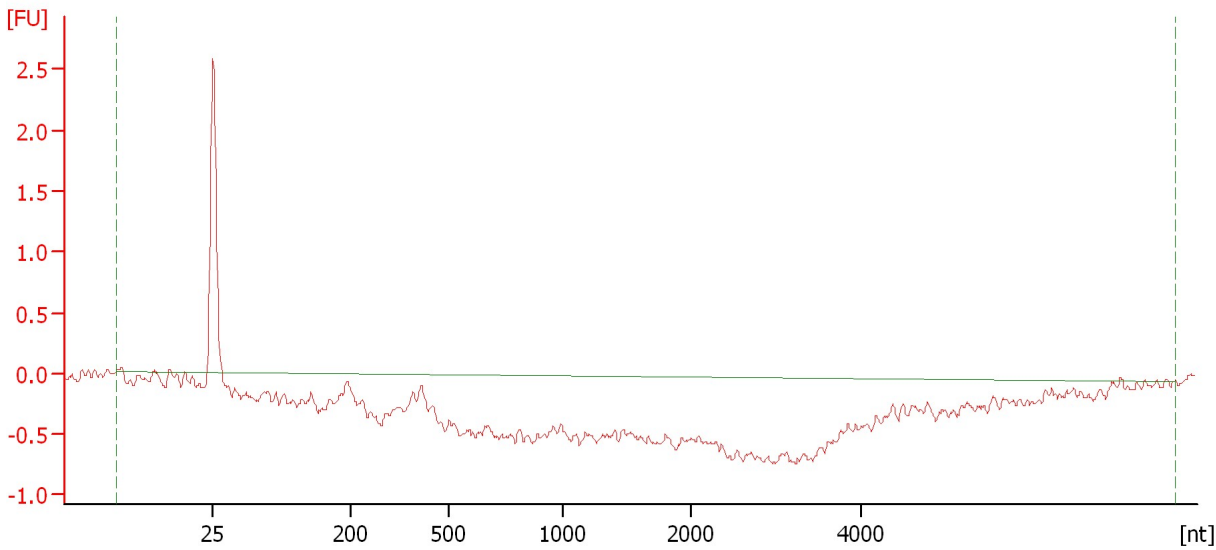
RNA Area:	49.9	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	231 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad


Created: 11/17/2016 2:26:57 PM
Modified: 11/17/2016 2:52:49 PM

Electropherogram Summary Continued ...

CT ribo-depleted RNA [Workshop]



Overall Results for sample 6 : CT ribo-depleted RNA

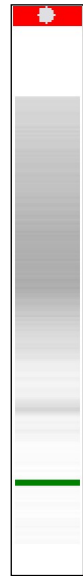
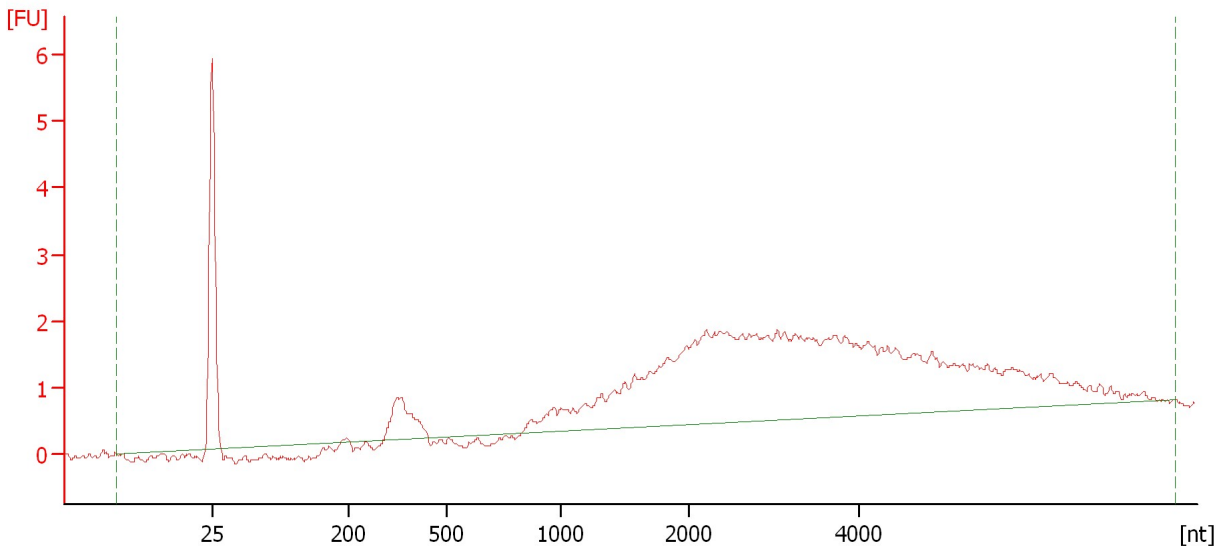
RNA Area:	0.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	0 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
Modified: 11/17/2016 2:52:49 PM

Electropherogram Summary Continued ...

KB ribo-depleted RNA [Workshop]



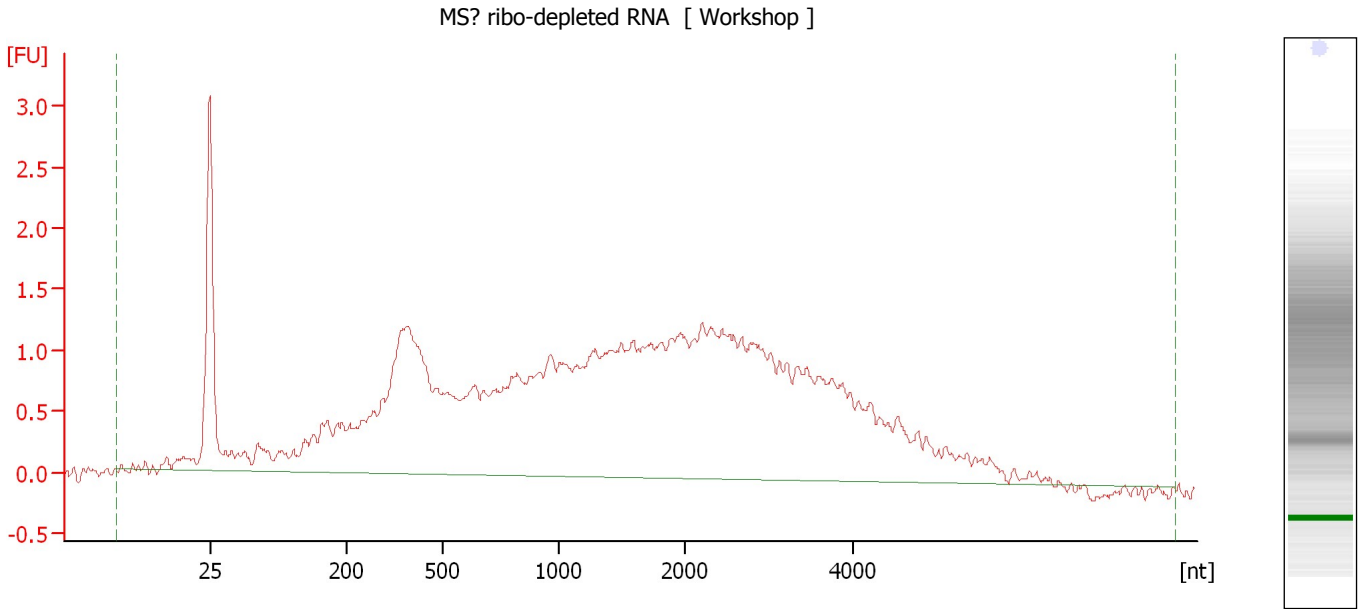
Overall Results for sample 7 : KB ribo-depleted RNA

RNA Area:	44.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	208 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
Modified: 11/17/2016 2:52:49 PM

Electropherogram Summary Continued ...



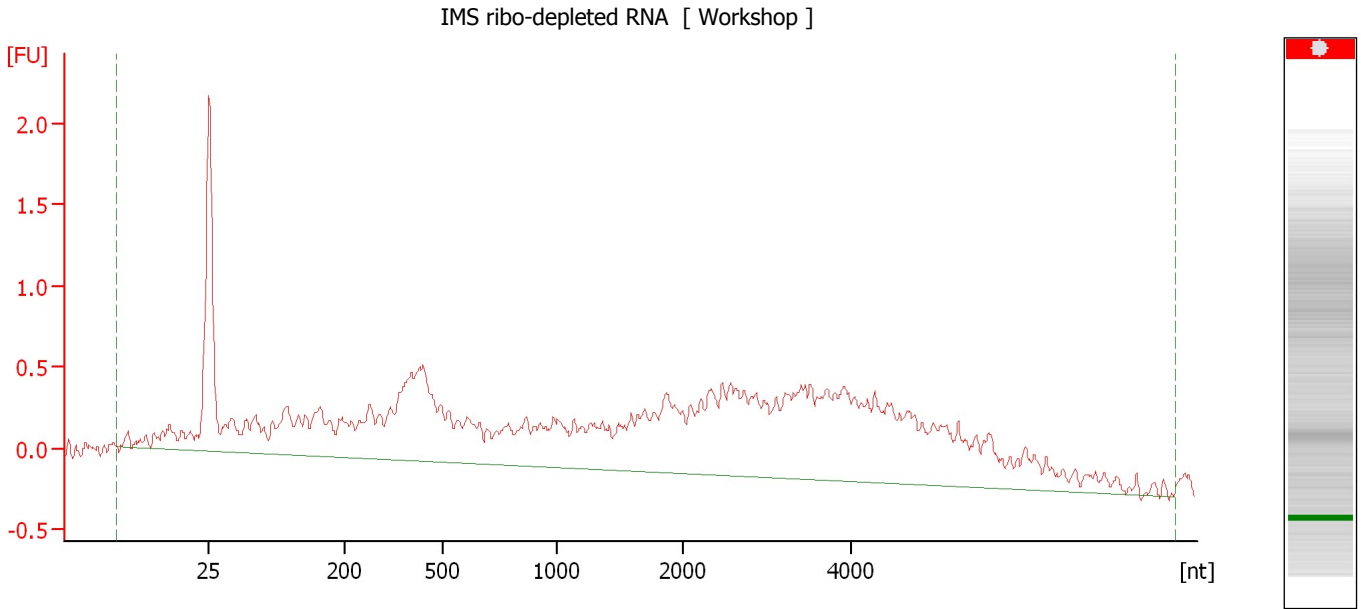
Overall Results for sample 8 : MS? ribo-depleted RNA

RNA Area:	59.7	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	276 µg/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:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
Modified: 11/17/2016 2:52:49 PM

Electropherogram Summary Continued ...



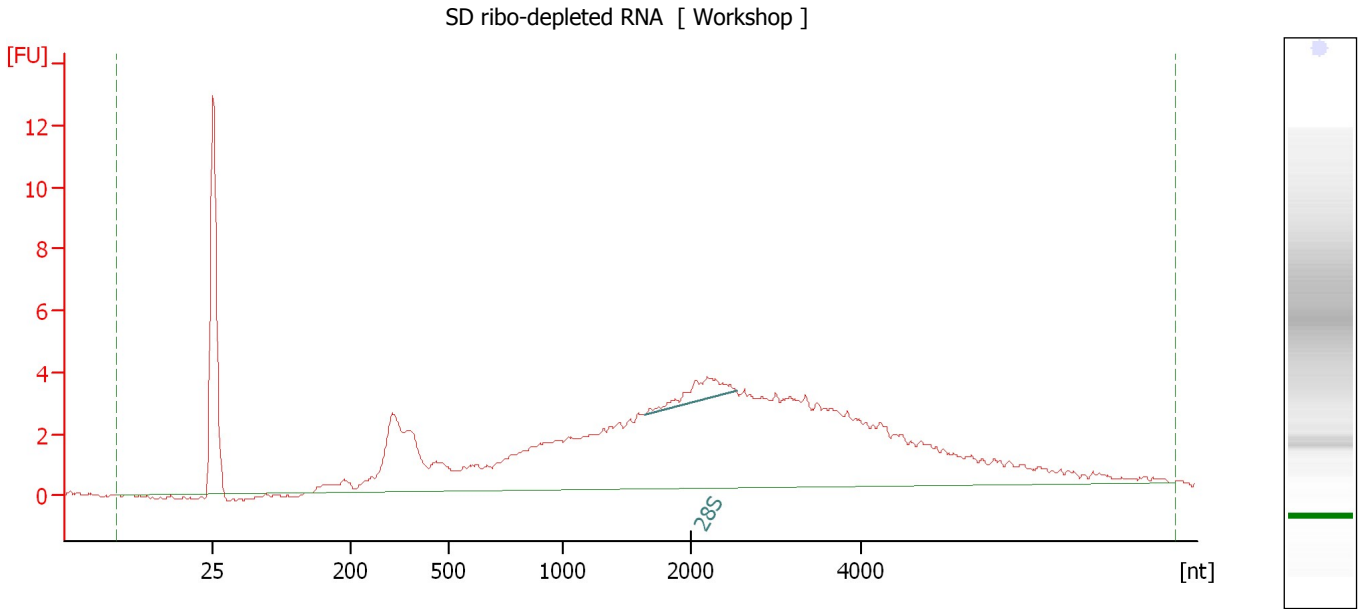
Overall Results for sample 9 : IMS ribo-depleted RNA

RNA Area:	31.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	144 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:52:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : SD ribo-depleted RNA

RNA Area:	127.7	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	591 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

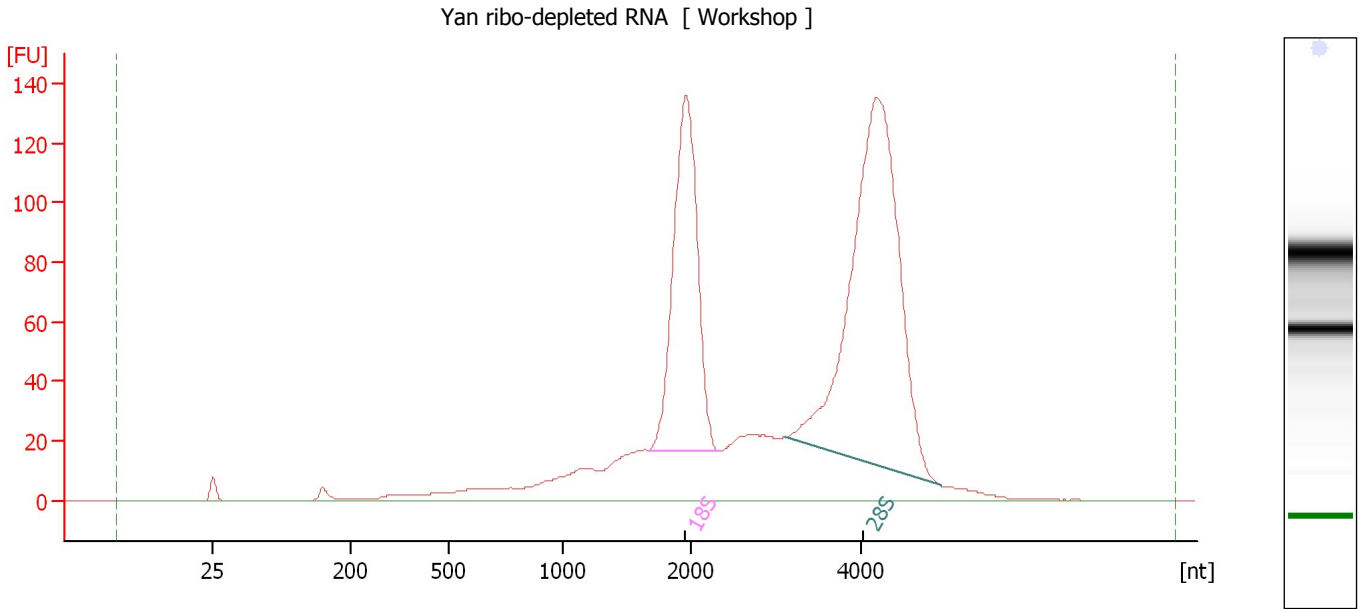
Fragment table for sample 10 : SD ribo-depleted RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,635	2,533	2.8	2.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:52:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Yan ribo-depleted RNA

RNA Area:	1,587.5	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	7,346 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.30

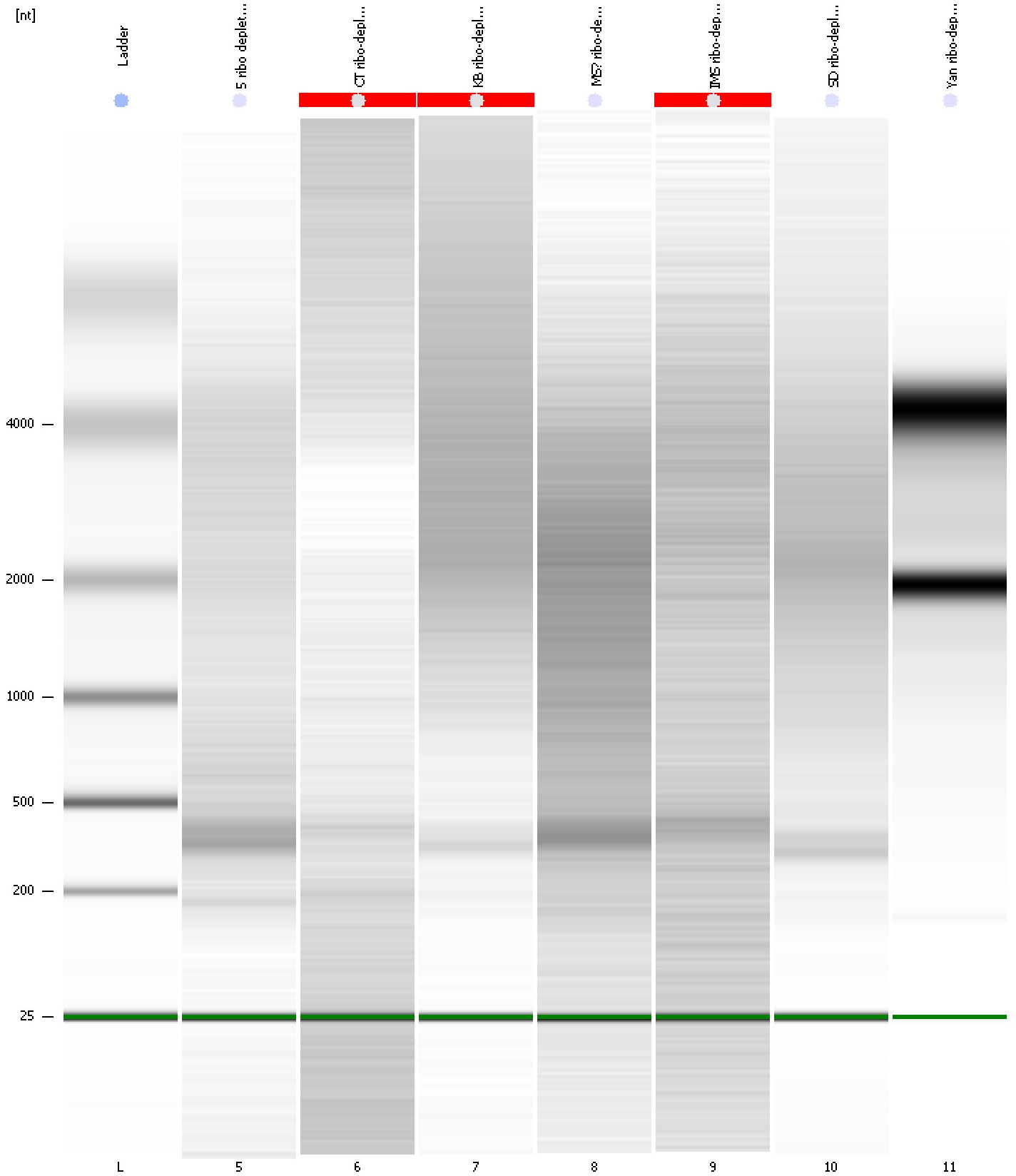
Fragment table for sample 11 : Yan ribo-depleted RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,660	2,344	337.3	21.2
28S	3,115	4,946	588.9	37.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
Modified: 11/17/2016 2:52:49 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-11-17\2016-11-17_002_Workshop_RiboDepletedRNAQC.xad

Created: 11/17/2016 2:26:57 PM
 Modified: 11/17/2016 2:52:49 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		11/17/2016 2:49:53 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-11-17\2016-11-17_002.xad)		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/17/2016 2:27:03 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1