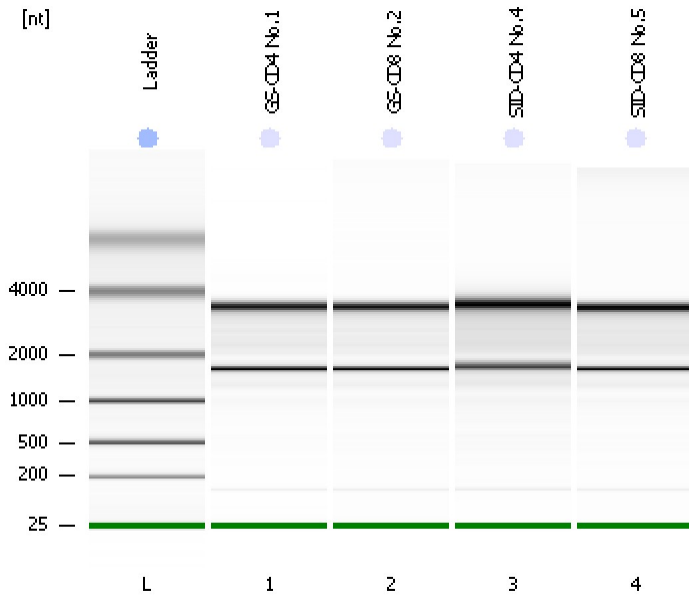


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-03-11\2016-03-11_004_HiSeq_438_Hiromi_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
 Modified: 3/11/2016 4:55:26 PM

Electrophoresis File Run Summary



Instrument Information:

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

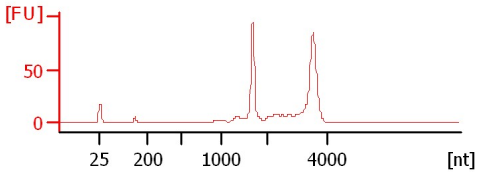
Assay Information:

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.

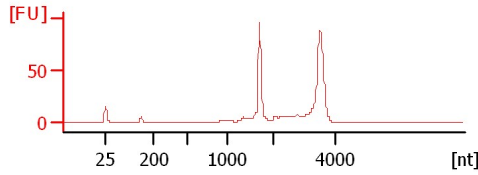
Chip Information:

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

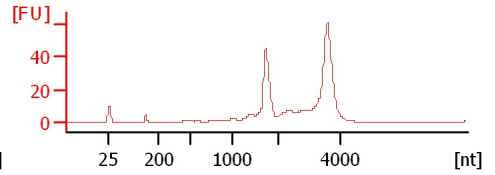
GS-CD4 No.1
 HiSeq_438
 RIN: 9.50



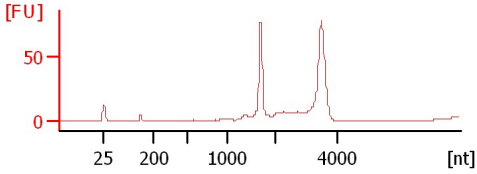
GS-CD8 No.2
 HiSeq_438
 RIN: 9.50



SID-CD4 No.4
 HiSeq_438
 RIN: 9.80



SID-CD8 No.5
 HiSeq_438
 RIN: 9.60



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-03-11\2016-03-11_004_HiSeq_438_Hiromi_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
 Modified: 3/11/2016 4:55:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
GS-CD4 No.1	HiSeq_438	✓	RIN: 9.50	
GS-CD8 No.2	HiSeq_438	✓	RIN: 9.50	
SID-CD4 No.4	HiSeq_438	✓	RIN: 9.80	
SID-CD8 No.5	HiSeq_438	✓	RIN: 9.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ta\2016-03-11\2016-03-11_004_HiSeq_438_Hiromi_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:55:26 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

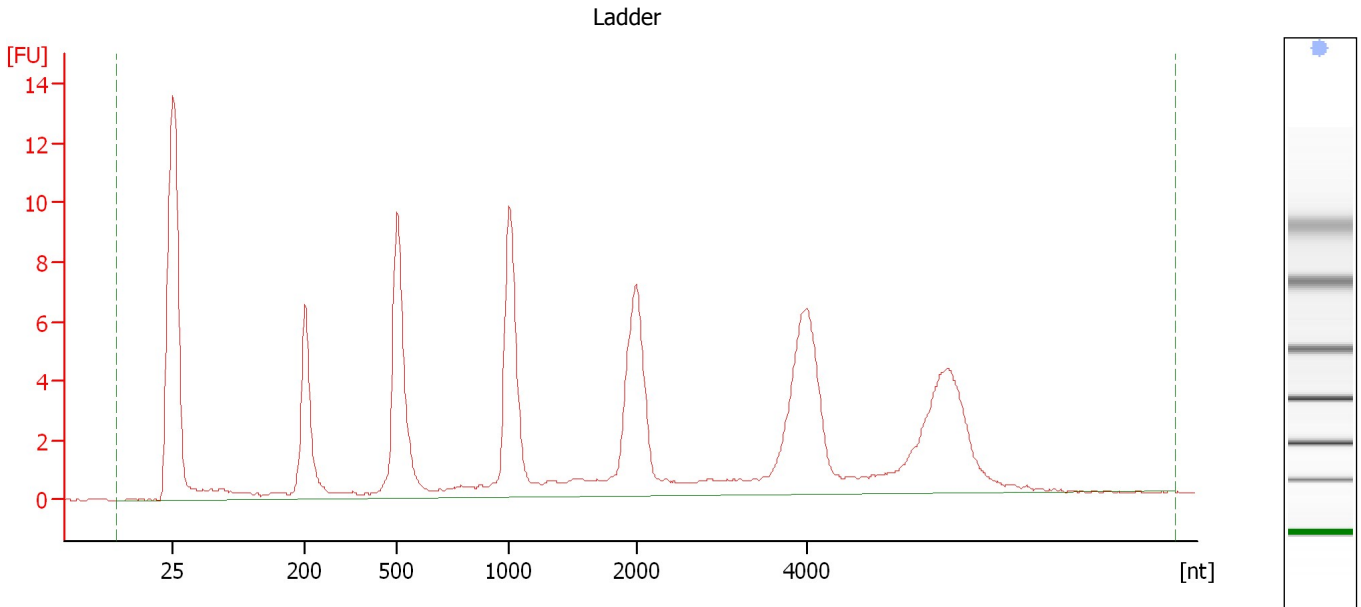
Ladder

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\2016-03-11\2016-03-11_004_HiSeq_438_Hiromi_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:55:26 PM

Electropherogram Summary



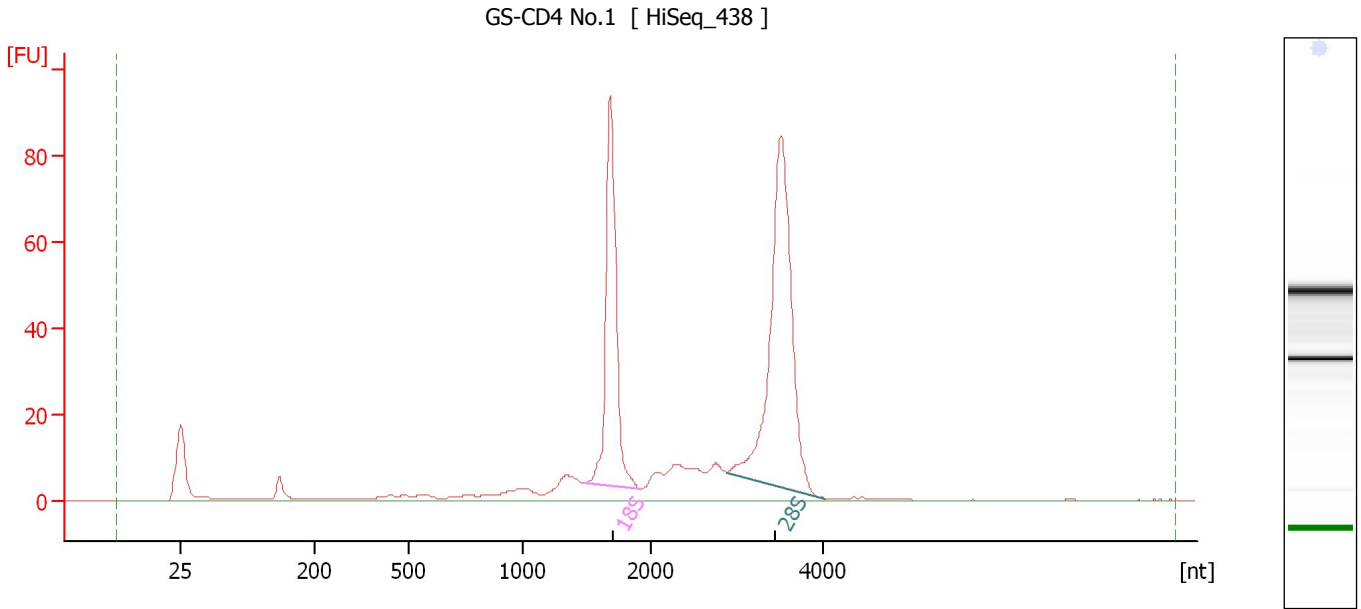
Overall Results for Ladder

RNA Area:	122.5	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-03-11\2016-03-11_004_HiSeq_438_Hiromi_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
 Modified: 3/11/2016 4:55:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : GS-CD4 No.1

RNA Area:	491.4	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	4,010 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.50

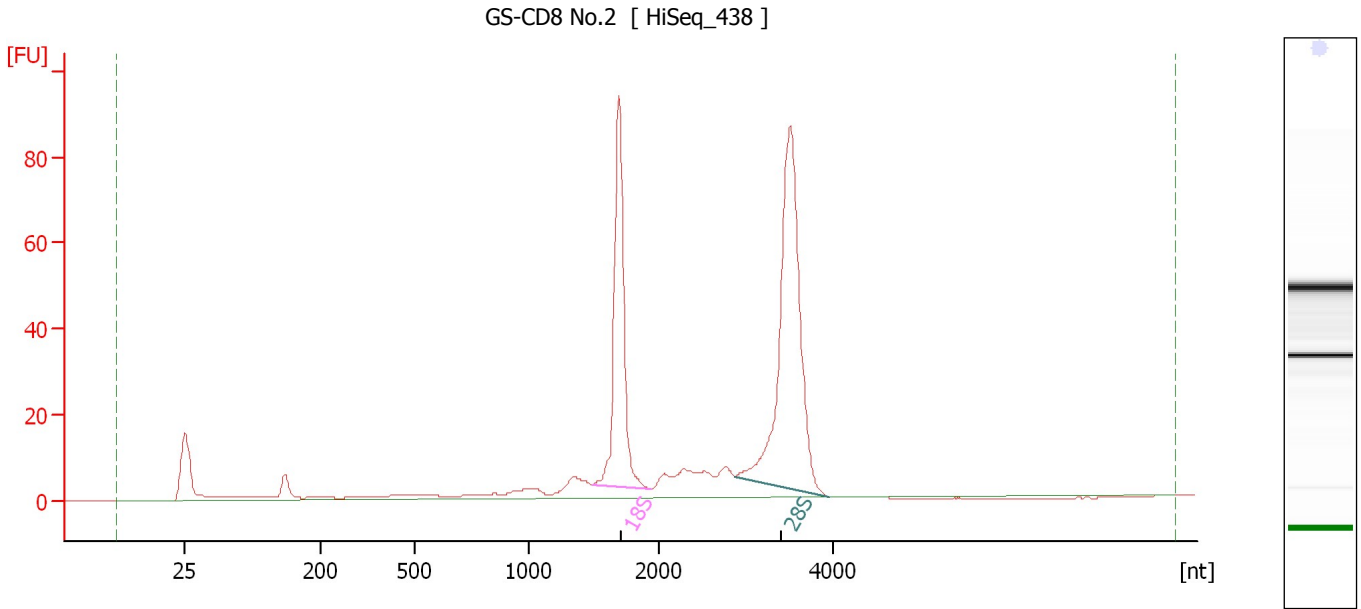
Fragment table for sample 1 : GS-CD4 No.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,488	1,918	117.1	23.8
28S	2,868	4,007	184.3	37.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-03-11\2016-03-11_004_HiSeq_438_Hiromi_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
 Modified: 3/11/2016 4:55:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : GS-CD8 No.2

RNA Area:	431.1	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	3,518 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.50

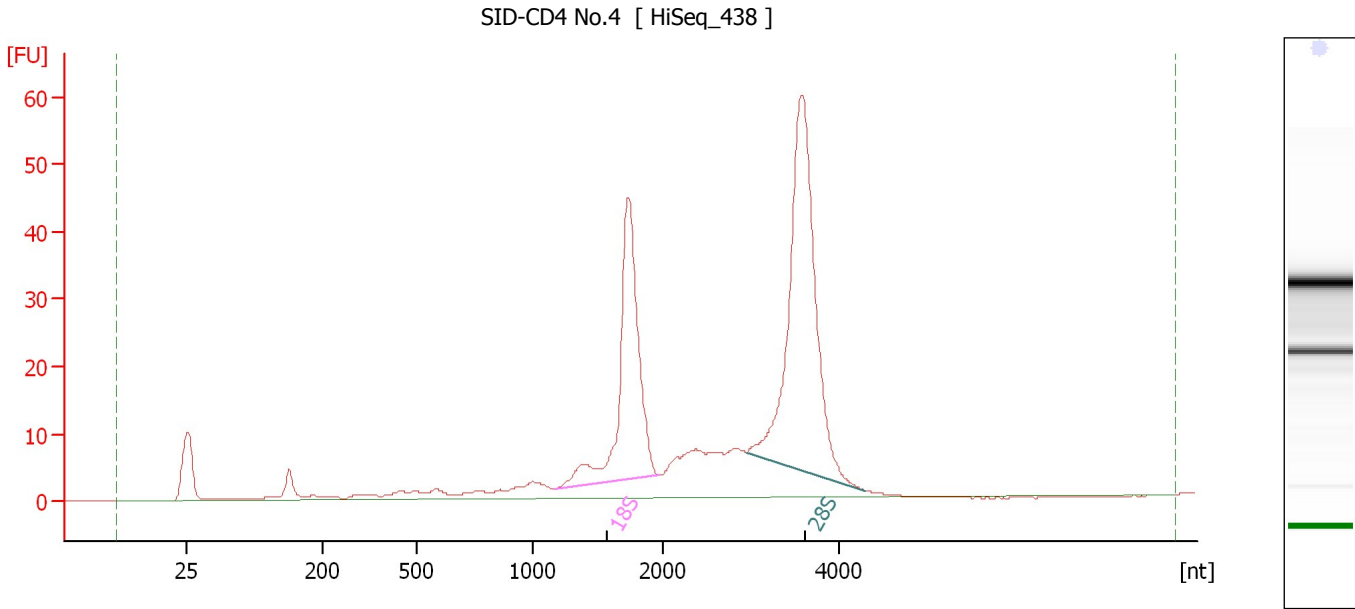
Fragment table for sample 2 : GS-CD8 No.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,485	1,928	109.6	25.4
28S	2,874	3,942	178.2	41.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-03-11\2016-03-11_004_HiSeq_438_Hiromi_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
 Modified: 3/11/2016 4:55:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : SID-CD4 No.4

RNA Area:	411.8	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	3,361 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.80

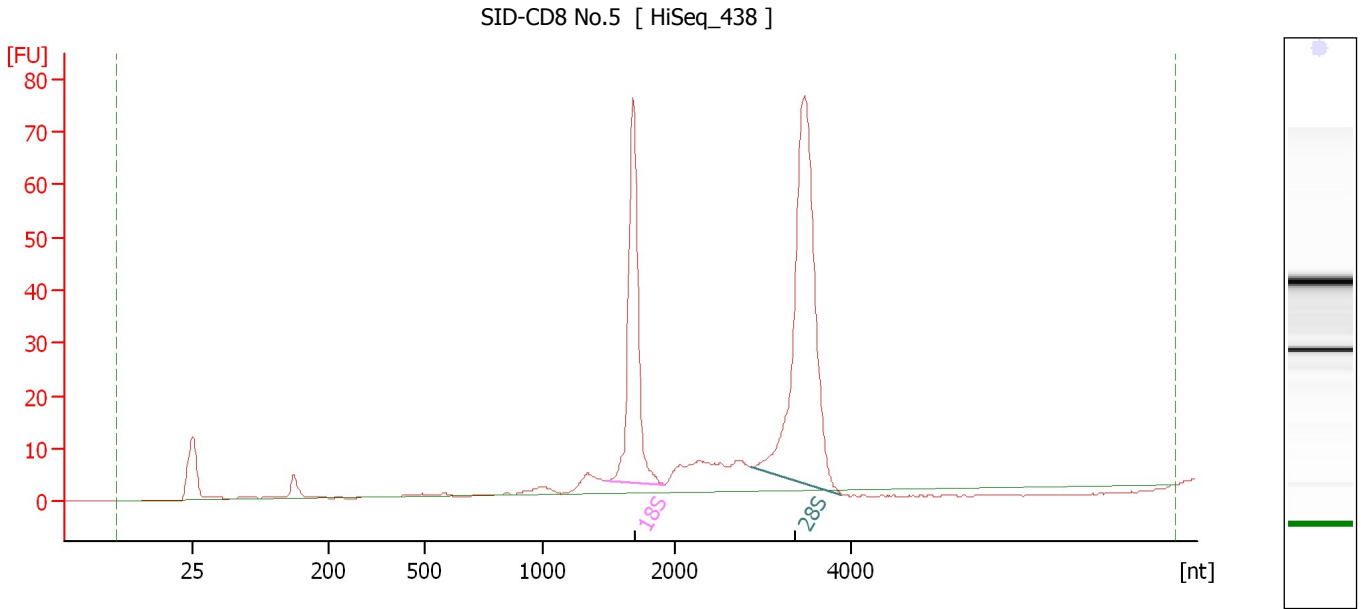
Fragment table for sample 3 : SID-CD4 No.4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,169	1,969	97.3	23.6
28S	2,944	4,300	150.4	36.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-03-11\2016-03-11_004_HiSeq_438_Hiromi_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
 Modified: 3/11/2016 4:55:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SID-CD8 No.5

RNA Area:	349.5	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	2,852 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.60

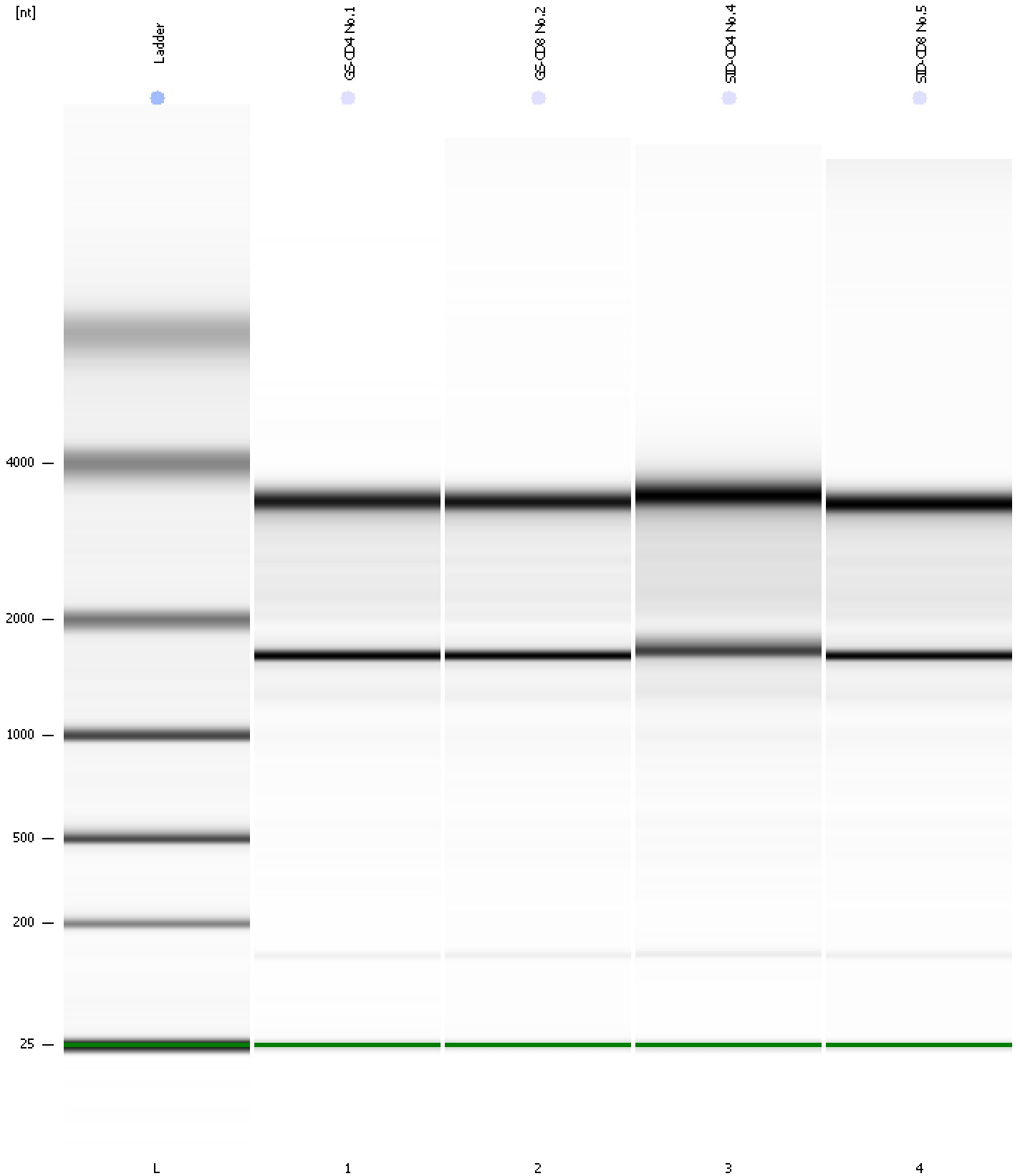
Fragment table for sample 4 : SID-CD8 No.5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	1,922	88.8	25.4
28S	2,875	3,890	158.5	45.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ta\2016-03-11\2016-03-11_004_HiSeq_438_Hiromi_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
Modified: 3/11/2016 4:55:26 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ta\2016-03-11\2016-03-11_004_HiSeq_438_Hiromi_TotRNA_QC.xad

Created: 3/11/2016 4:32:03 PM
 Modified: 3/11/2016 4:55:26 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		3/11/2016 4:53:29 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\2016-03-11\2016-03-11_004.xad)		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/11/2016 4:32:08 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1