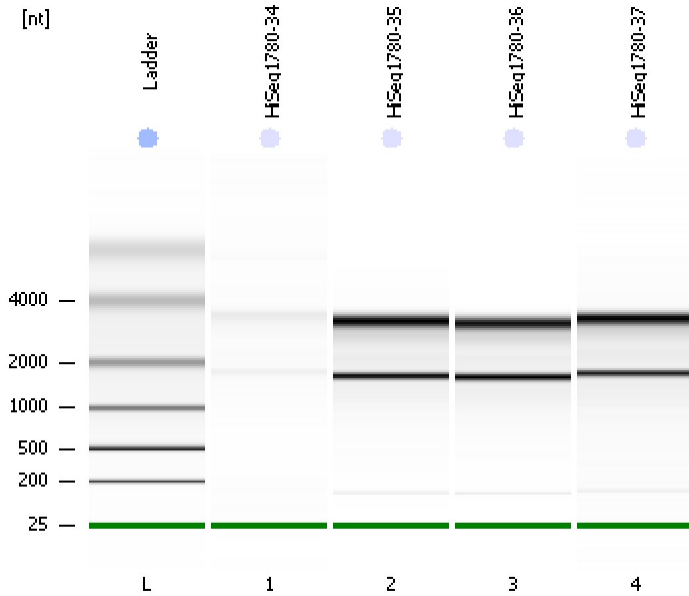


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ert\data\2019-04-19\2019-04-19_007HiSeq1780-34-37_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
Modified: 4/19/2019 5:03:23 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ert\data\2019-04-19\2019-04-19_007HiSeq1780-34-37_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
 Modified: 4/19/2019 5:03:23 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HiSeq1780-34		✓	RIN: 7.60	
HiSeq1780-35		✓	RIN: 9.80	
HiSeq1780-36		✓	RIN: 9.70	
HiSeq1780-37		✓	RIN: 9.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ert\data\2019-04-19\2019-04-19_007HiSeq1780-34-37_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
Modified: 4/19/2019 5:03:23 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/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 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

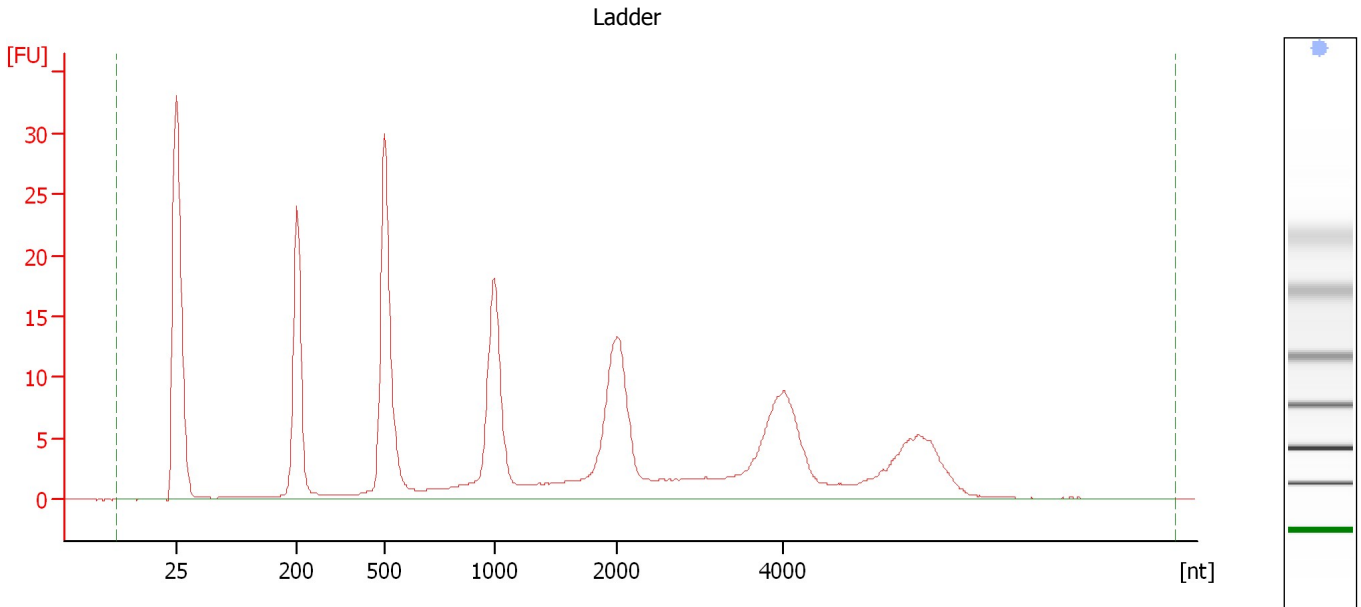
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ert\data\2019-04-19\2019-04-19_007HiSeq1780-34-37_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
Modified: 4/19/2019 5:03:23 PM

Electropherogram Summary



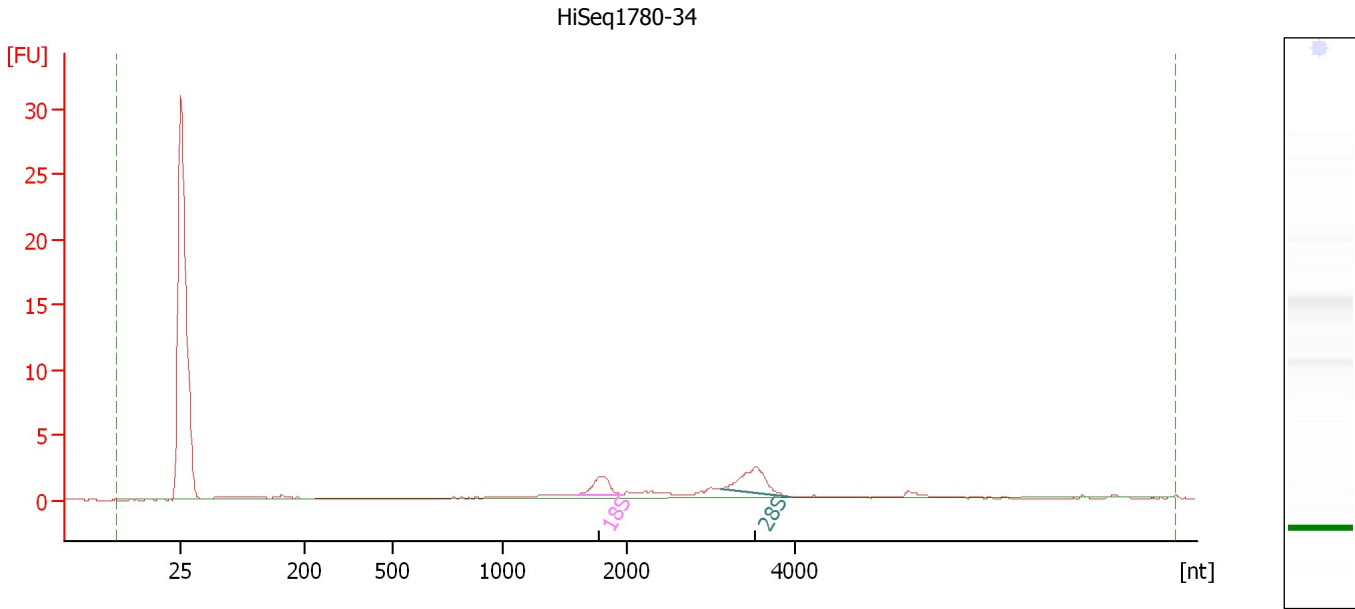
Overall Results for Ladder

RNA Area:	271.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ert\data\2019-04-19\2019-04-19_007HiSeq1780-34-37_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
 Modified: 4/19/2019 5:03:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : HiSeq1780-34

RNA Area:	23.3	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	86 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 7.60

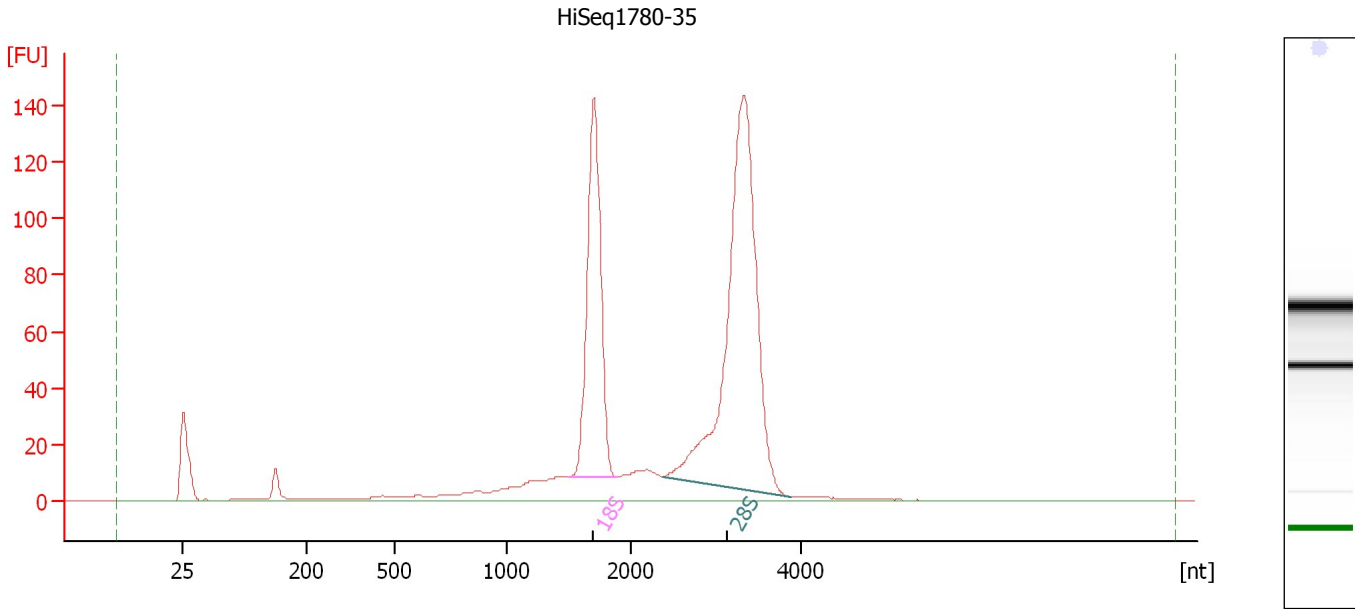
Fragment table for sample 1 : HiSeq1780-34

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,598	1,960	3.1	13.1
28S	3,107	3,944	5.2	22.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ert\data\2019-04-19\2019-04-19_007HiSeq1780-34-37_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
 Modified: 4/19/2019 5:03:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HiSeq1780-35

RNA Area:	978.8	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	3,603 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.80

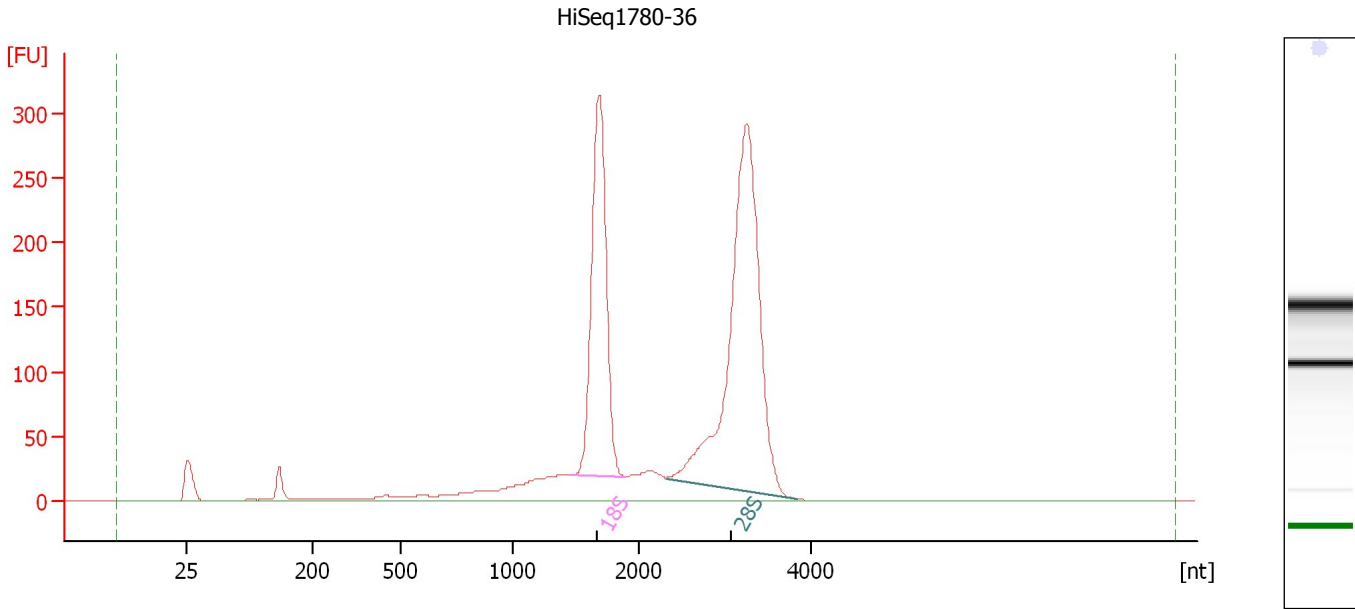
Fragment table for sample 2 : HiSeq1780-35

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,499	1,884	234.6	24.0
28S	2,372	3,874	449.3	45.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ert\data\2019-04-19\2019-04-19_007HiSeq1780-34-37_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
 Modified: 4/19/2019 5:03:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HiSeq1780-36

RNA Area:	2,093.4	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	7,707 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.70

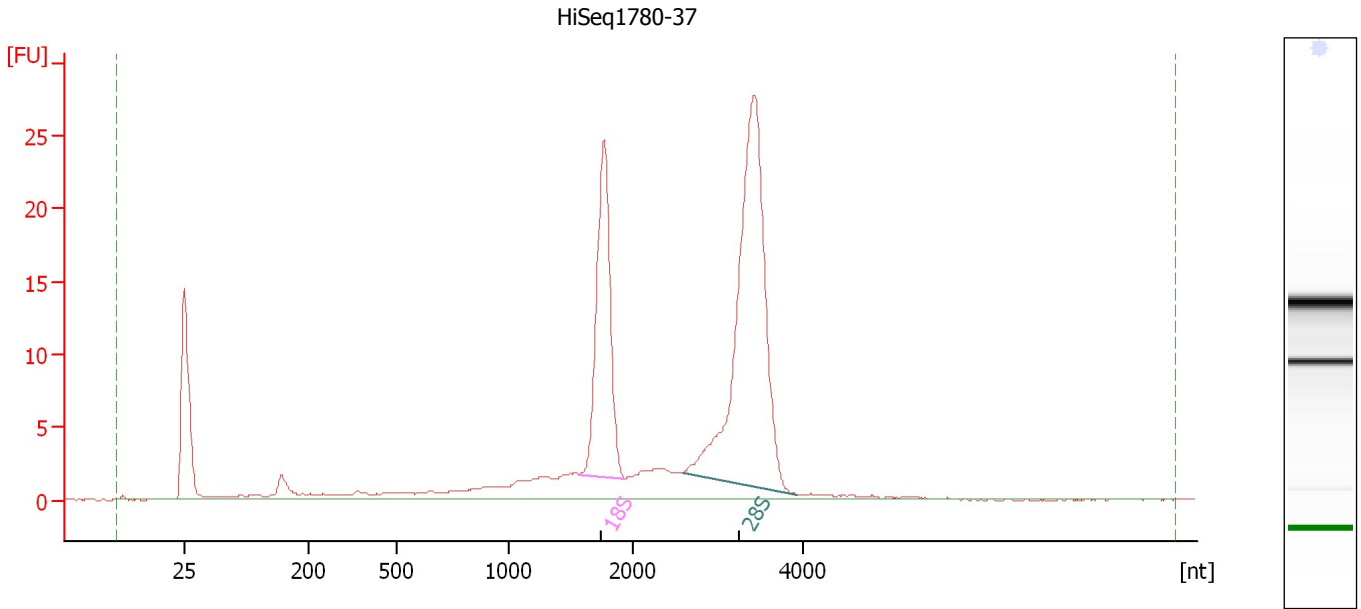
Fragment table for sample 3 : HiSeq1780-36

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,455	1,887	553.8	26.5
28S	2,310	3,836	928.7	44.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ert\data\2019-04-19\2019-04-19_007HiSeq1780-34-37_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
 Modified: 4/19/2019 5:03:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HiSeq1780-37

RNA Area:	189.3	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	697 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.60

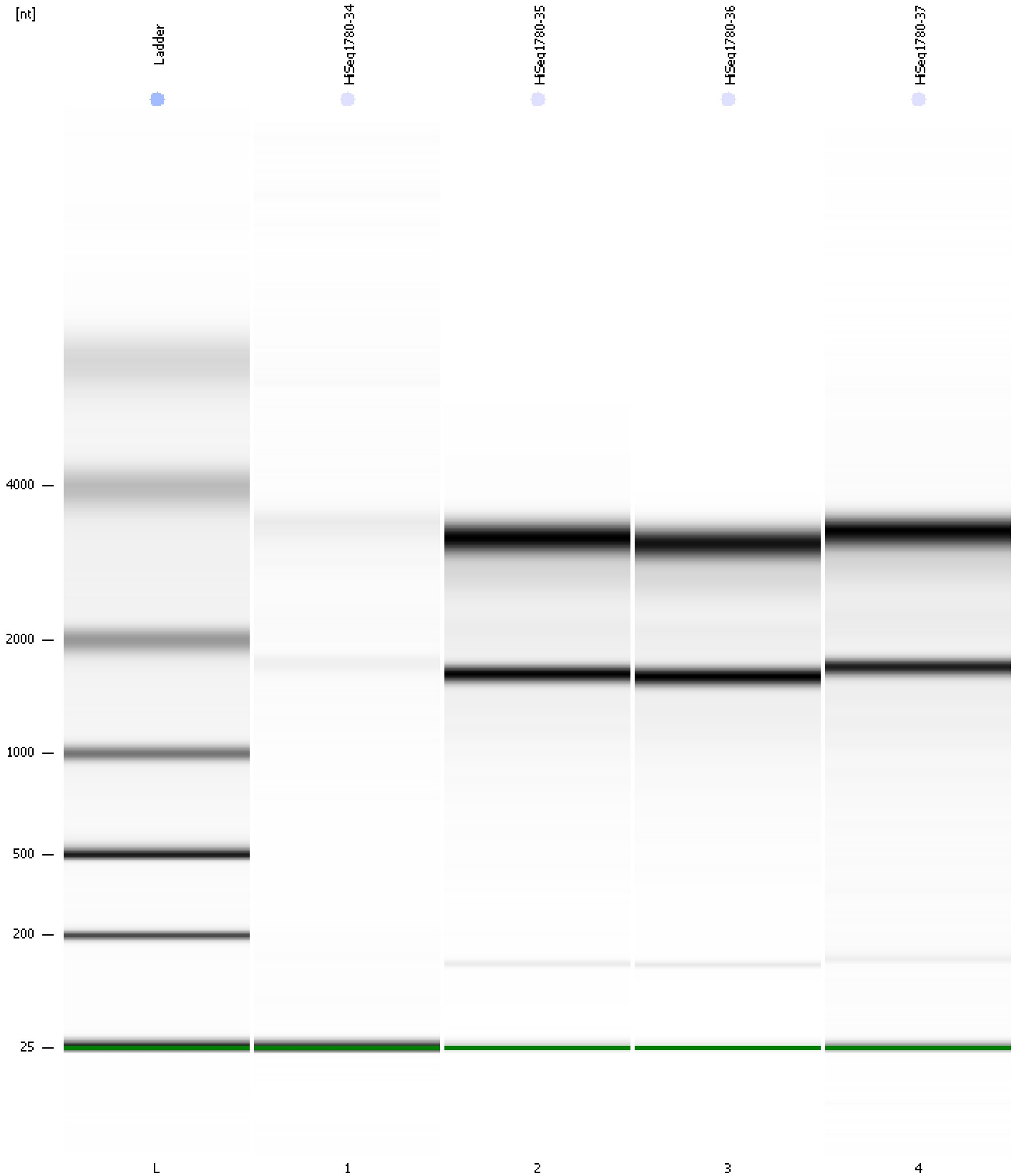
Fragment table for sample 4 : HiSeq1780-37

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,560	1,936	40.3	21.3
28S	2,573	3,921	81.0	42.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ert\data\2019-04-19\2019-04-19_007HiSeq1780-34-37_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
Modified: 4/19/2019 5:03:23 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ert\data\2019-04-19\2019-04-19_007HiSeq1780-34-37_RNAQC.xad

Created: 4/19/2019 4:40:24 PM
 Modified: 4/19/2019 5:03:23 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		4/19/2019 5:02:26 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_007.xad)		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/19/2019 4:40:29 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1