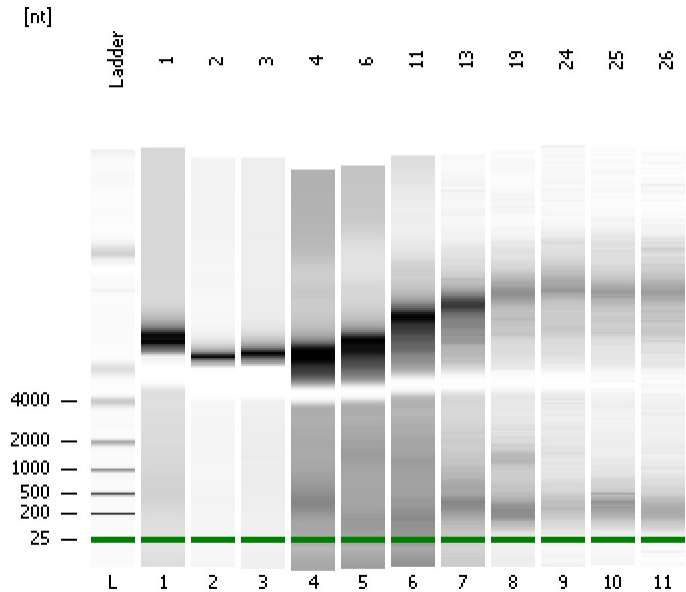


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

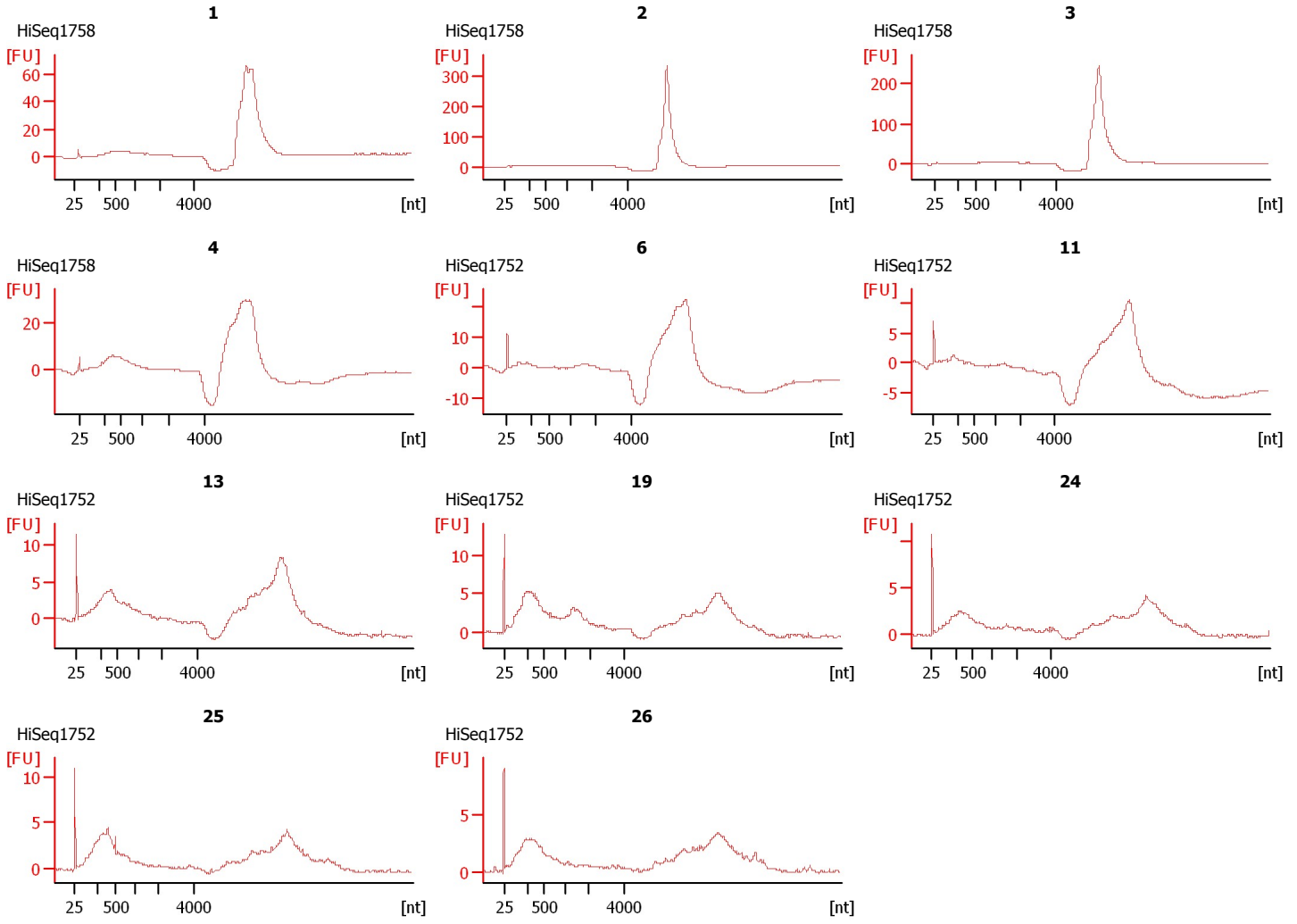
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

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:



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	HiSeq1758	✓		
2	HiSeq1758	✓		
3	HiSeq1758	✓		
4	HiSeq1758	✓		
6	HiSeq1752	✓		
11	HiSeq1752	✓		
13	HiSeq1752	✓		
19	HiSeq1752	✓		
24	HiSeq1752	✓		
25	HiSeq1752	✓		
26	HiSeq1752	✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

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

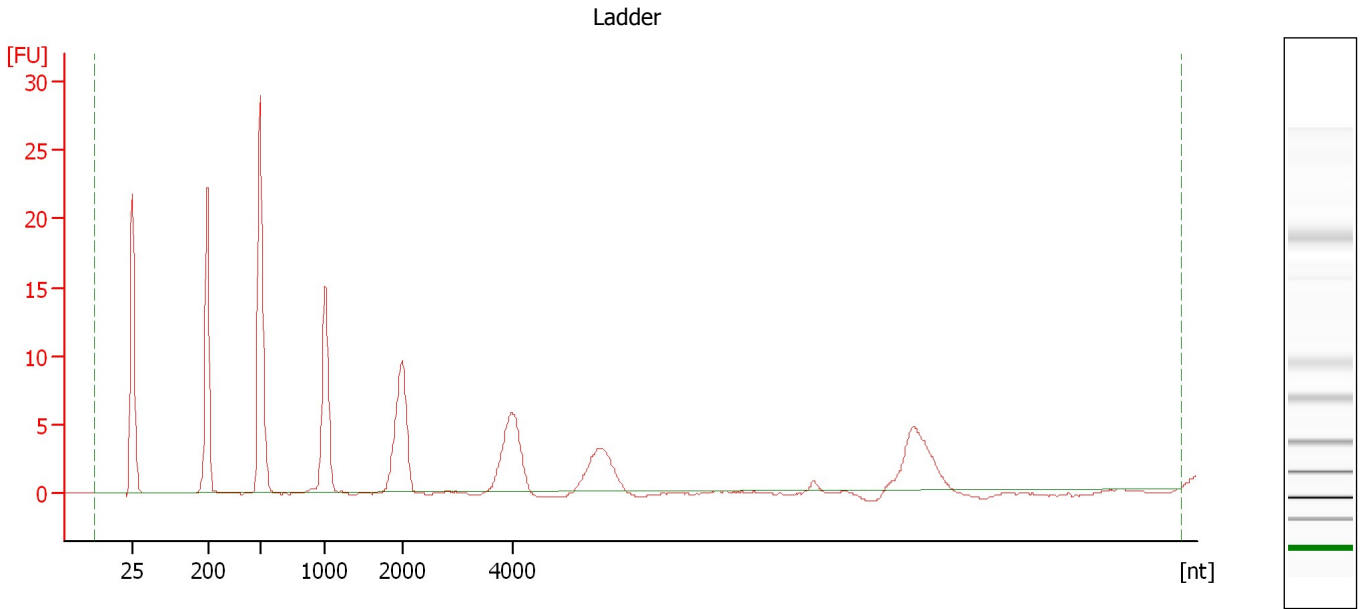
Ladder

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electropherogram Summary



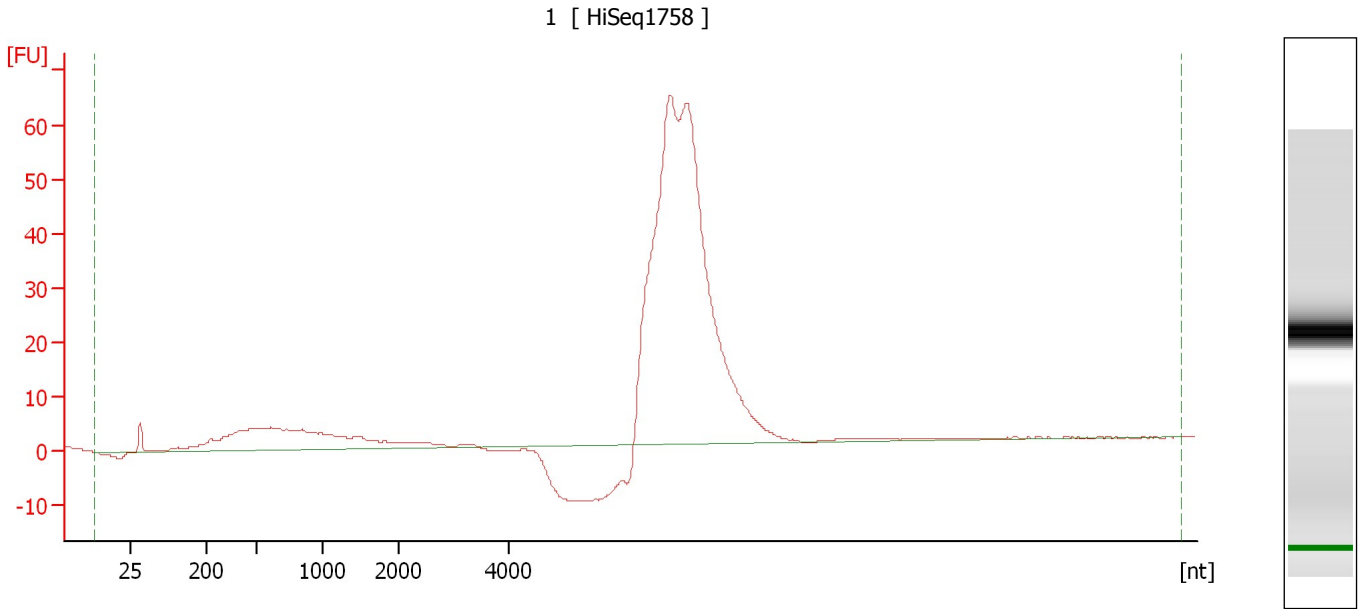
Overall Results for Ladder

RNA Area: 159.6 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electropherogram Summary Continued ...



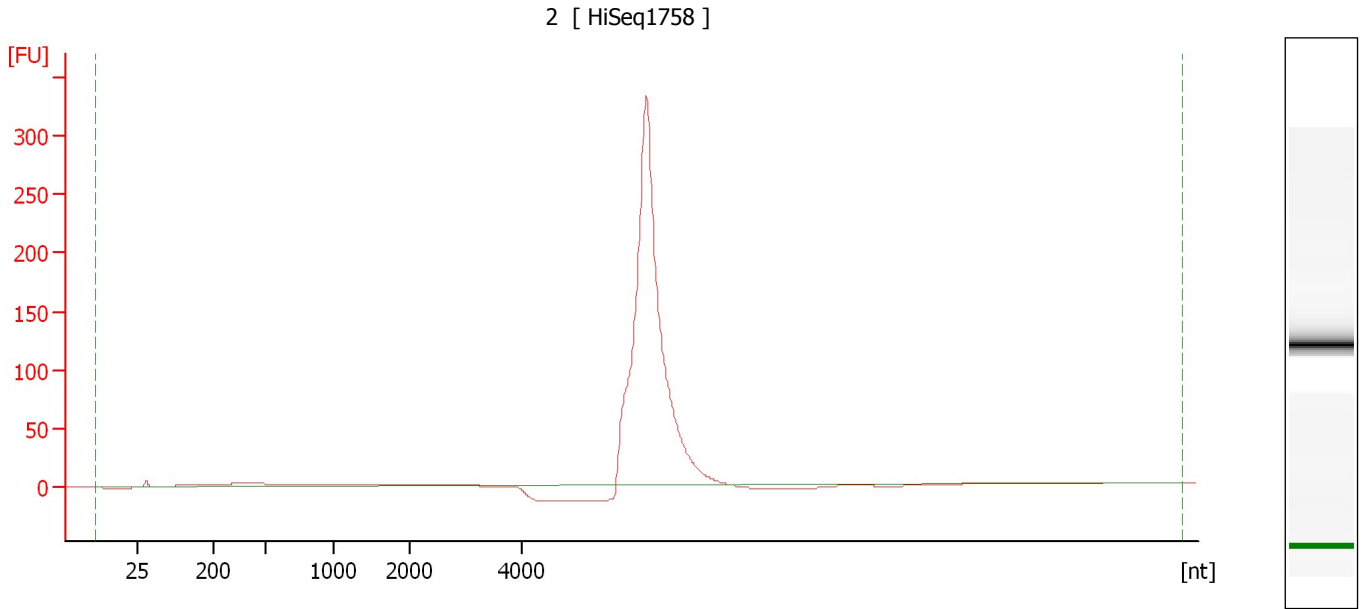
Overall Results for sample 1 : 1

RNA Area: 626.8 rRNA Contamination: 0.0 %
RNA Concentration: 3,927 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electropherogram Summary Continued ...



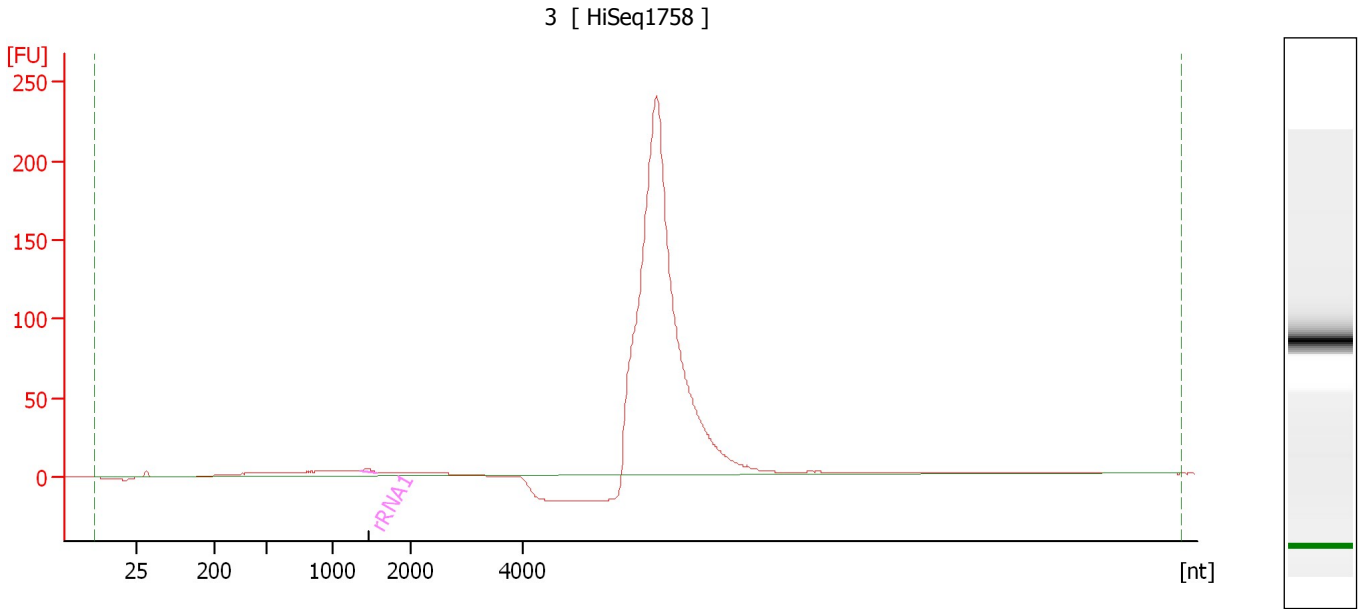
Overall Results for sample 2 : 2

RNA Area:	1,270.9	rRNA Contamination:	0.0 %
RNA Concentration:	7,962 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3

RNA Area: 1,382.6 rRNA Contamination: 0.2 %
RNA Concentration: 8,662 pg/μl

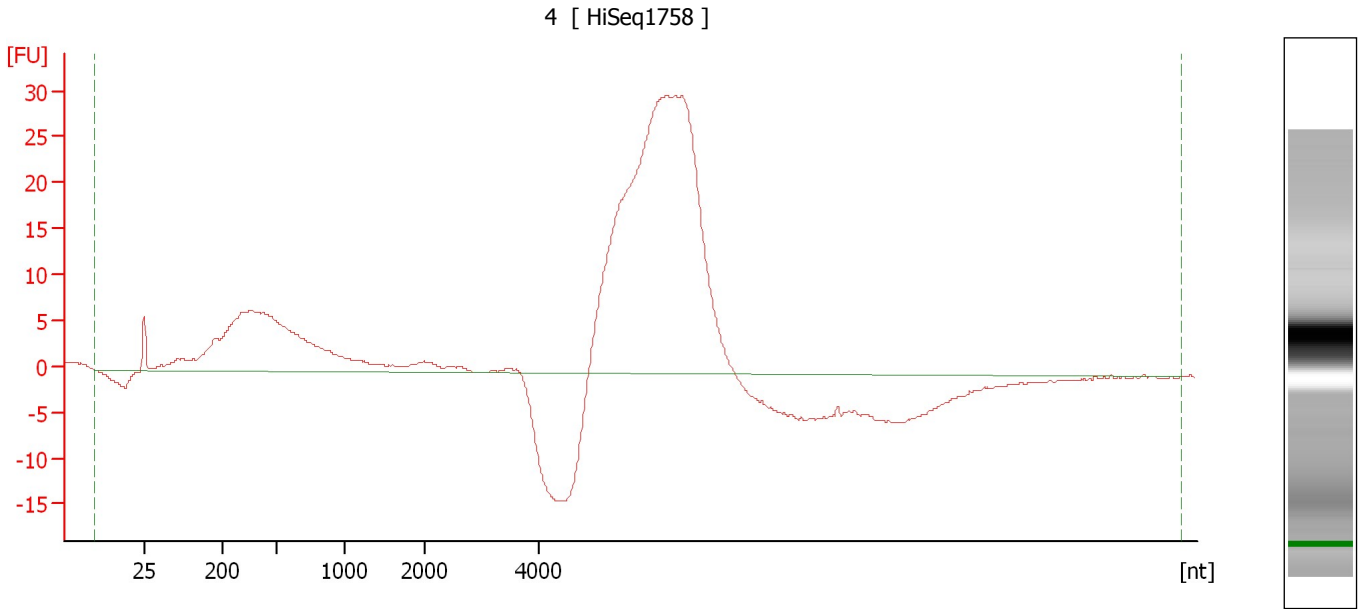
Fragment table for sample 3 : 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,348	1,564	2.7	0.2

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electropherogram Summary Continued ...



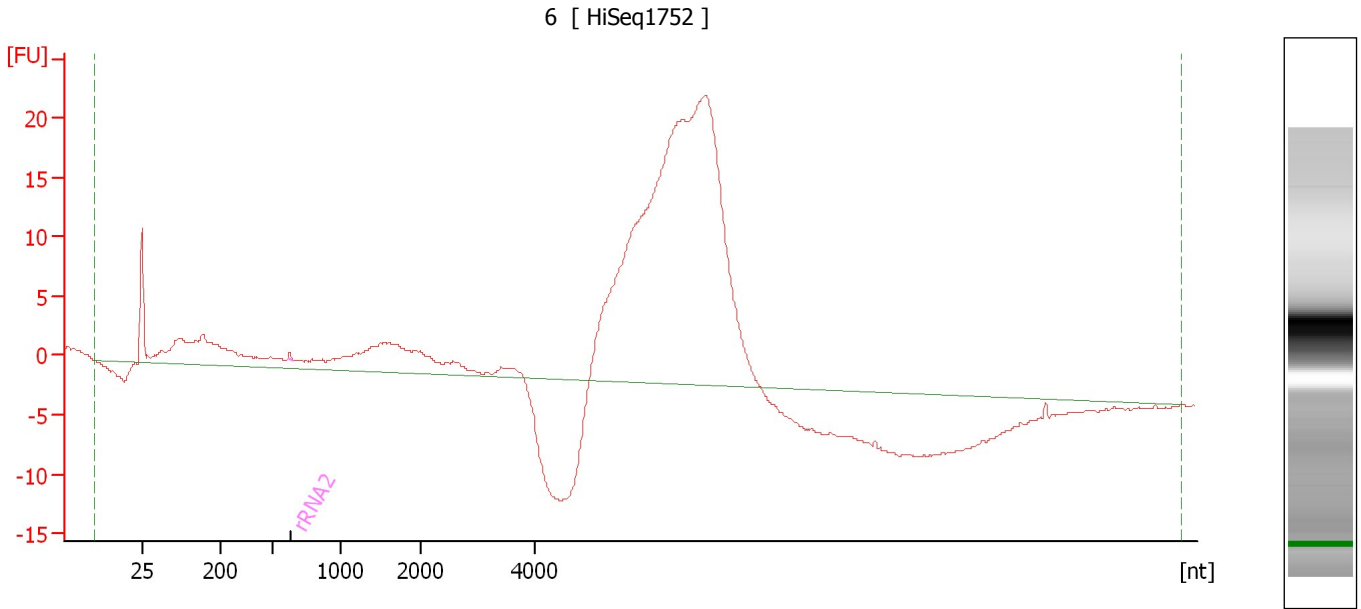
Overall Results for sample 4 : 4

RNA Area:	495.5	rRNA Contamination:	0.0 %
RNA Concentration:	3,104 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : 6

RNA Area: 370.0 rRNA Contamination: 0.1 %
RNA Concentration: 2,318 pg/μl

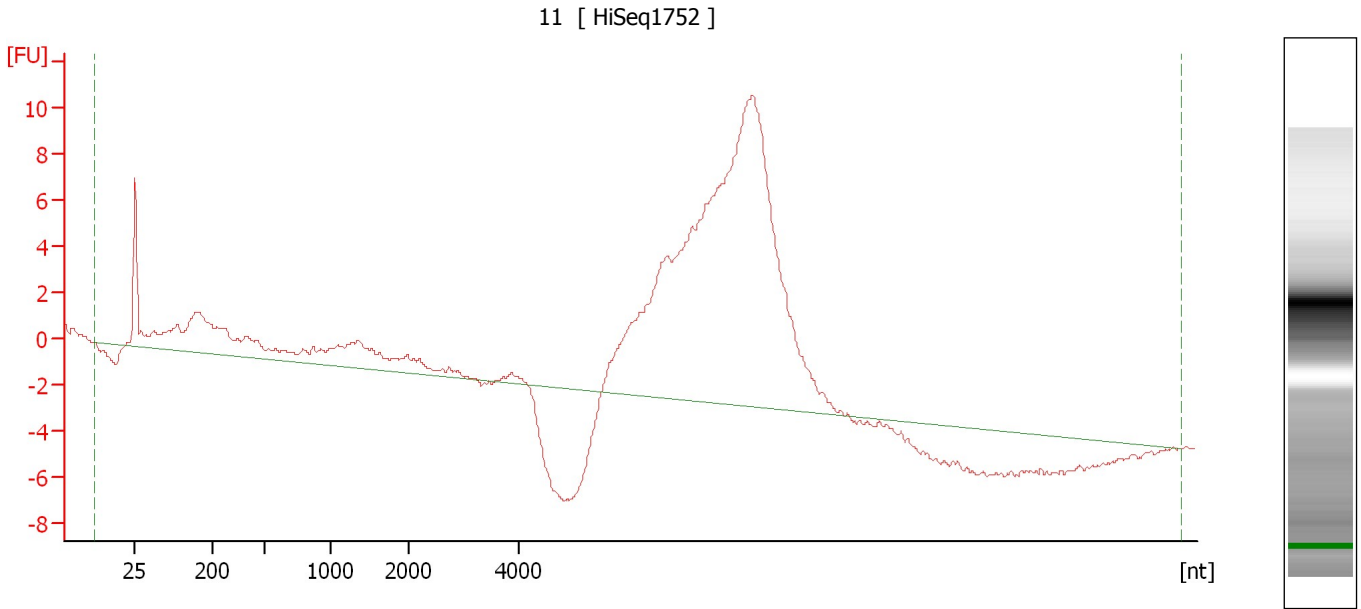
Fragment table for sample 5 : 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	604	646	0.4	0.1

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electropherogram Summary Continued ...



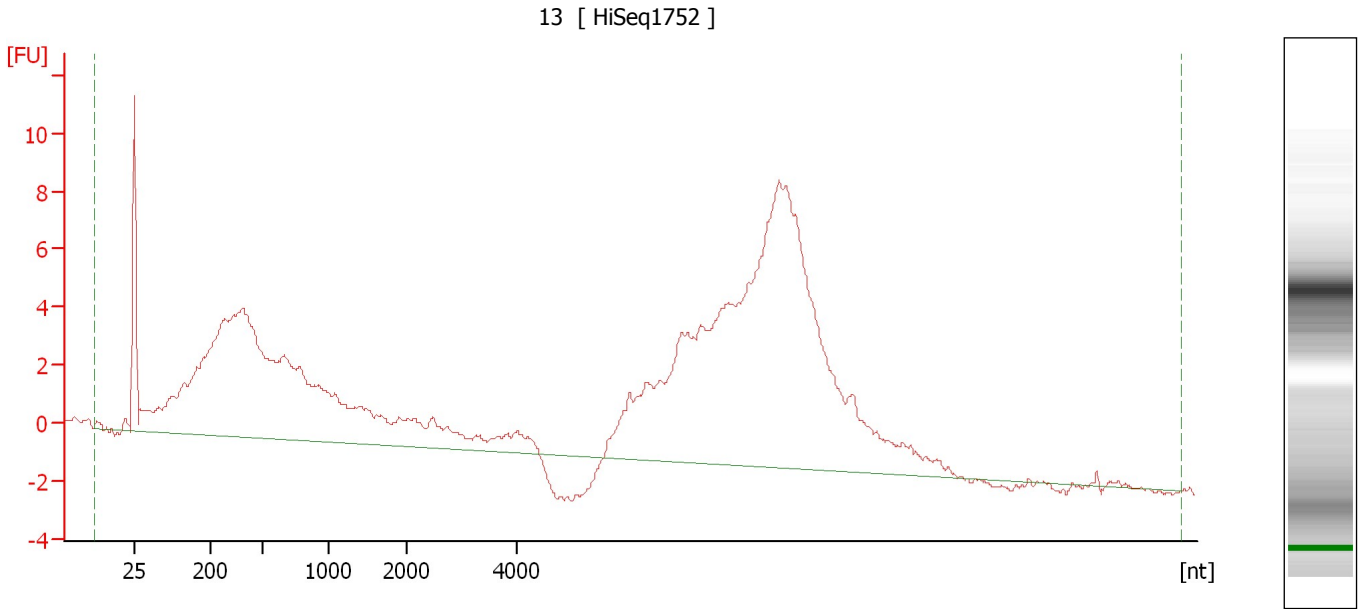
Overall Results for sample 6 : 11

RNA Area:	210.3	rRNA Contamination:	0.0 %
RNA Concentration:	1,318 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 13

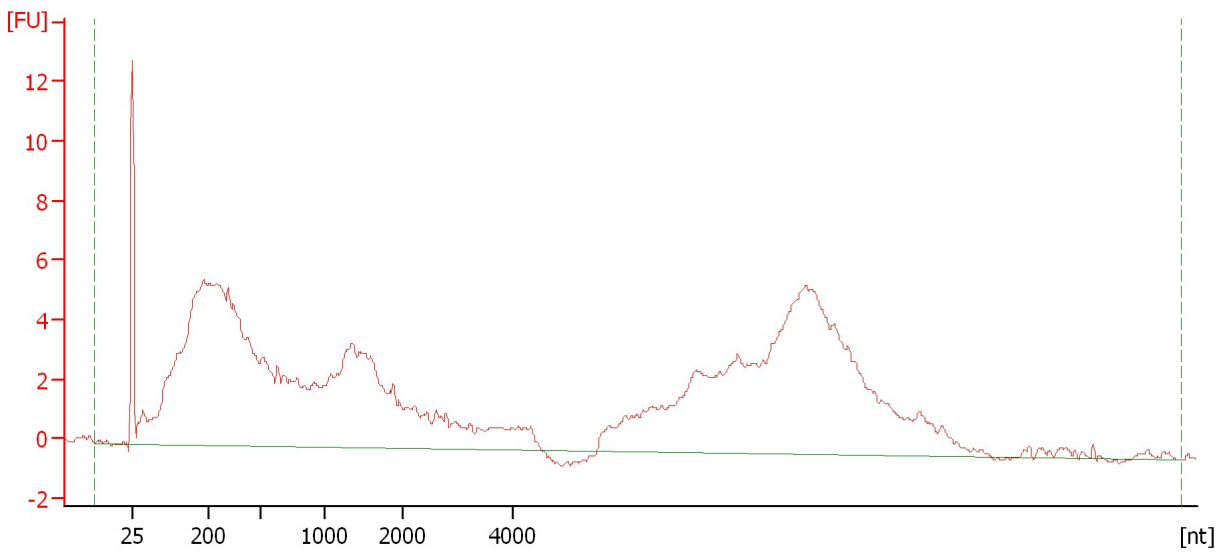
RNA Area:	283.7	rRNA Contamination:	0.0 %
RNA Concentration:	1,777 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electropherogram Summary Continued ...

19 [HiSeq1752]



Overall Results for sample 8 : 19

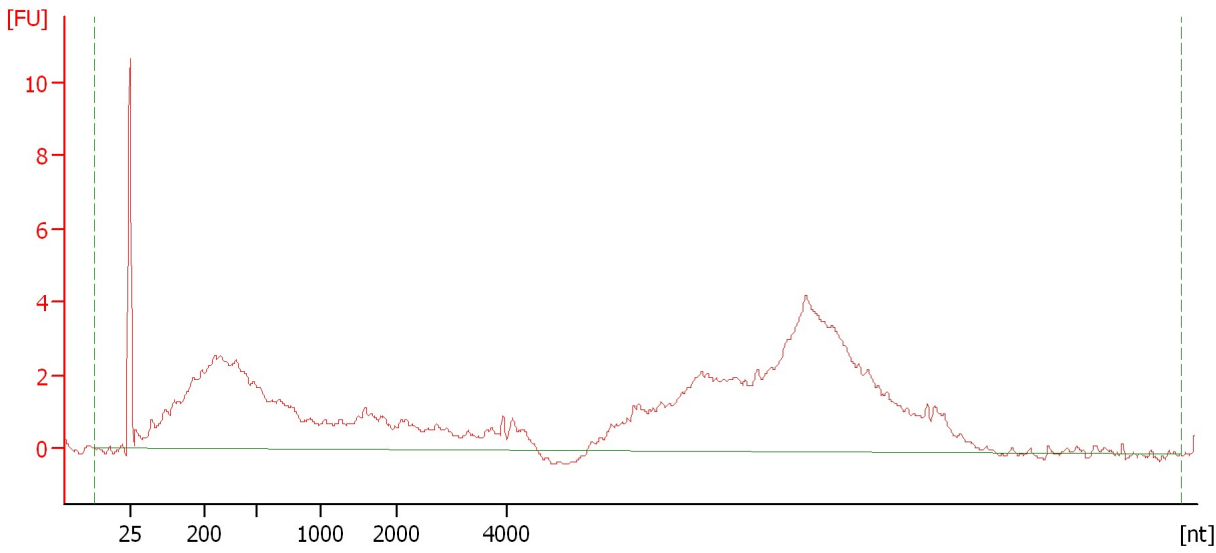
RNA Area: 303.6 rRNA Contamination: 0.0 %
RNA Concentration: 1,902 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electropherogram Summary Continued ...

24 [HiSeq1752]



Overall Results for sample 9 : 24

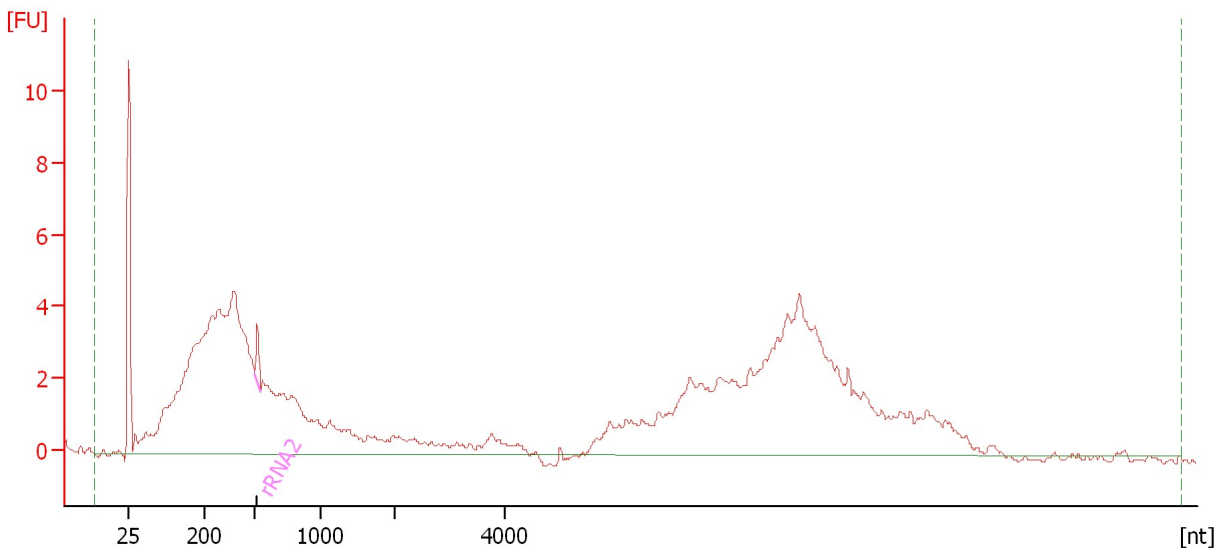
RNA Area:	166.9	rRNA Contamination:	0.0 %
RNA Concentration:	1,046 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electropherogram Summary Continued ...

25 [HiSeq1752]



Overall Results for sample 10 : 25

RNA Area: 186.1 rRNA Contamination: 0.7 %
RNA Concentration: 1,166 pg/μl

Fragment table for sample 10 : 25

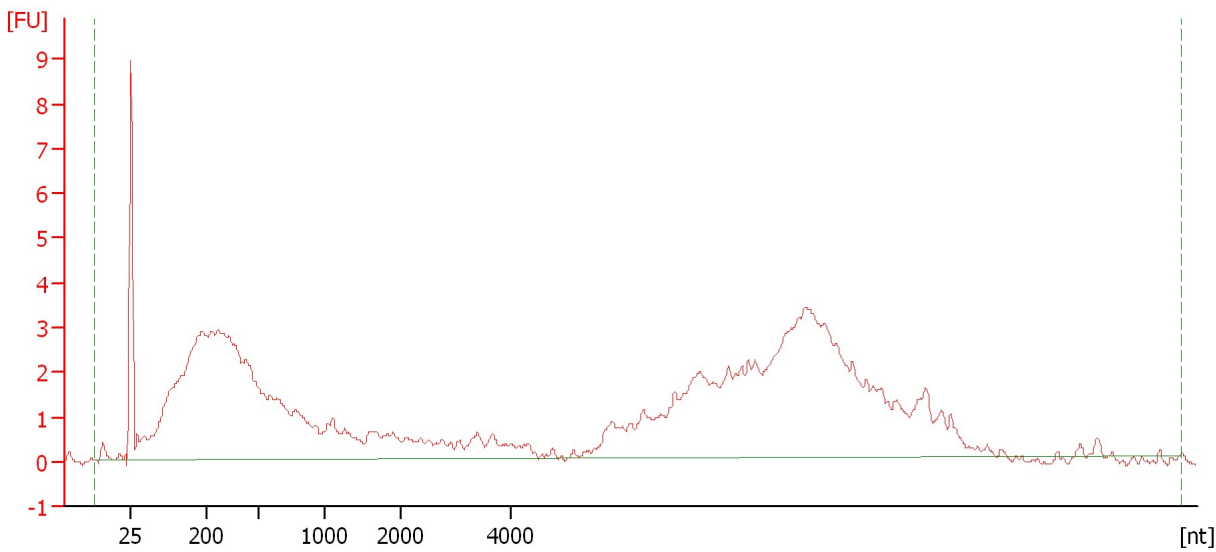
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	498	541	1.2	0.7

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Electropherogram Summary Continued ...

26 [HiSeq1752]



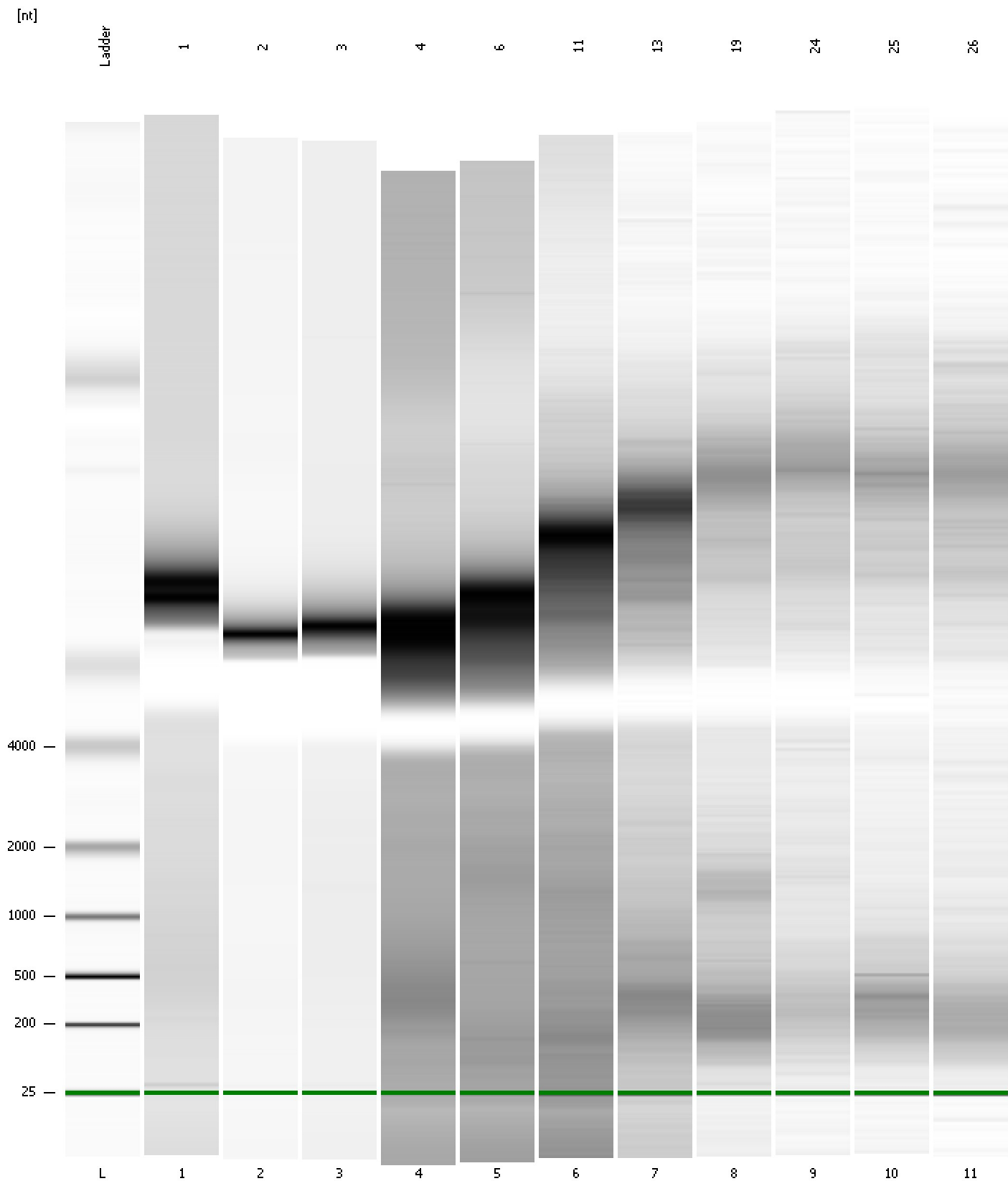
Overall Results for sample 11 : 26

RNA Area: 160.5 rRNA Contamination: 0.0 %
RNA Concentration: 1,006 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
Modified: 4/15/2019 10:51:56 AM

Gel Image



Assay Class: mRNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad

Created: 4/15/2019 10:26:03 AM
 Modified: 4/15/2019 10:51:56 AM

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		4/15/2019 10:51:55 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-04-15\2019-04-15_001.xad)		Instrument	Run		4/15/2019 10:26:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		4/15/2019 10:26:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/15/2019 10:26:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/15/2019 10:26:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		4/15/2019 10:26:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/15/2019 10:26:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/15/2019 10:26:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1