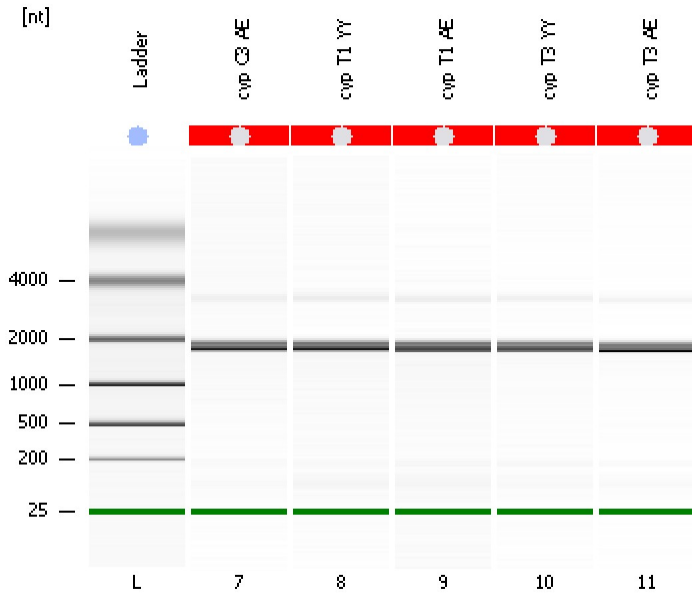


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...lyzer\2100 expert\data\2016-07-13\2016-07-13_002_QC_105.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:53:20 AM

Electrophoresis File Run Summary



Instrument Information:

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

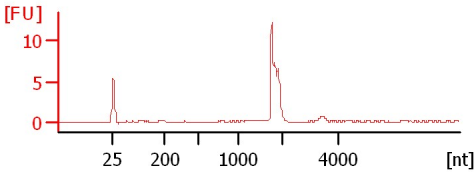
Assay Information:

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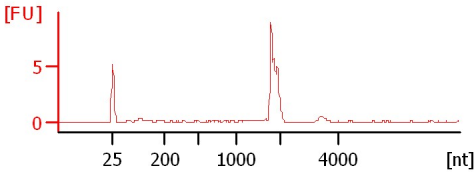
Chip Information:

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

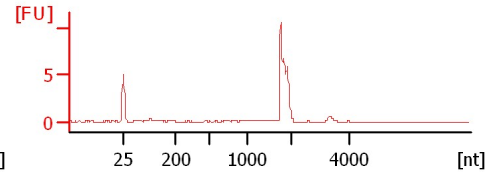
QC_105 RIN N/A **cyp C3 AE**



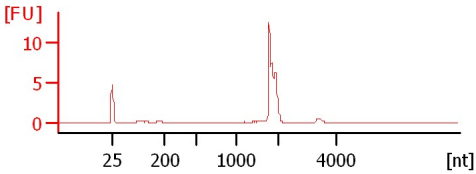
QC_105 RIN N/A **cyp T1 YY**



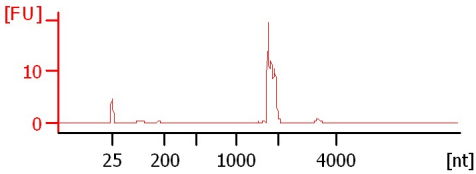
QC_105 RIN N/A **cyp T1 AE**



QC_105 RIN N/A **cyp T3 YY**



QC_105 RIN N/A **cyp T3 AE**



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2100 expert\data\2016-07-13\2016-07-13_002_QC_105.xad

Created: 7/13/2016 11:28:09 AM
 Modified: 7/13/2016 11:53:20 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
cyp C3 AE	QC_105	✓	RIN N/A	
cyp T1 YY	QC_105	✓	RIN N/A	
cyp T1 AE	QC_105	✓	RIN N/A	
cyp T3 YY	QC_105	✓	RIN N/A	
cyp T3 AE	QC_105	✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...lyzer\2100 expert\data\2016-07-13\2016-07-13_002_QC_105.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:53:20 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

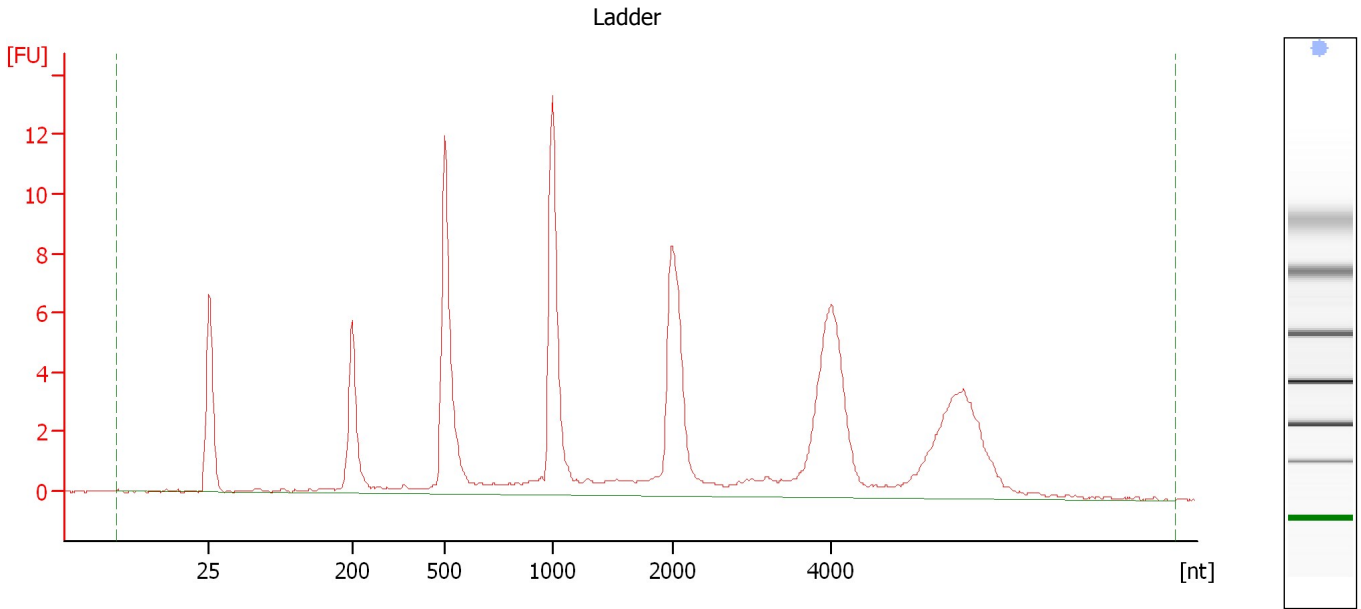
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...lyzer\2100 expert\data\2016-07-13\2016-07-13_002_QC_105.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:53:20 AM

Electropherogram Summary



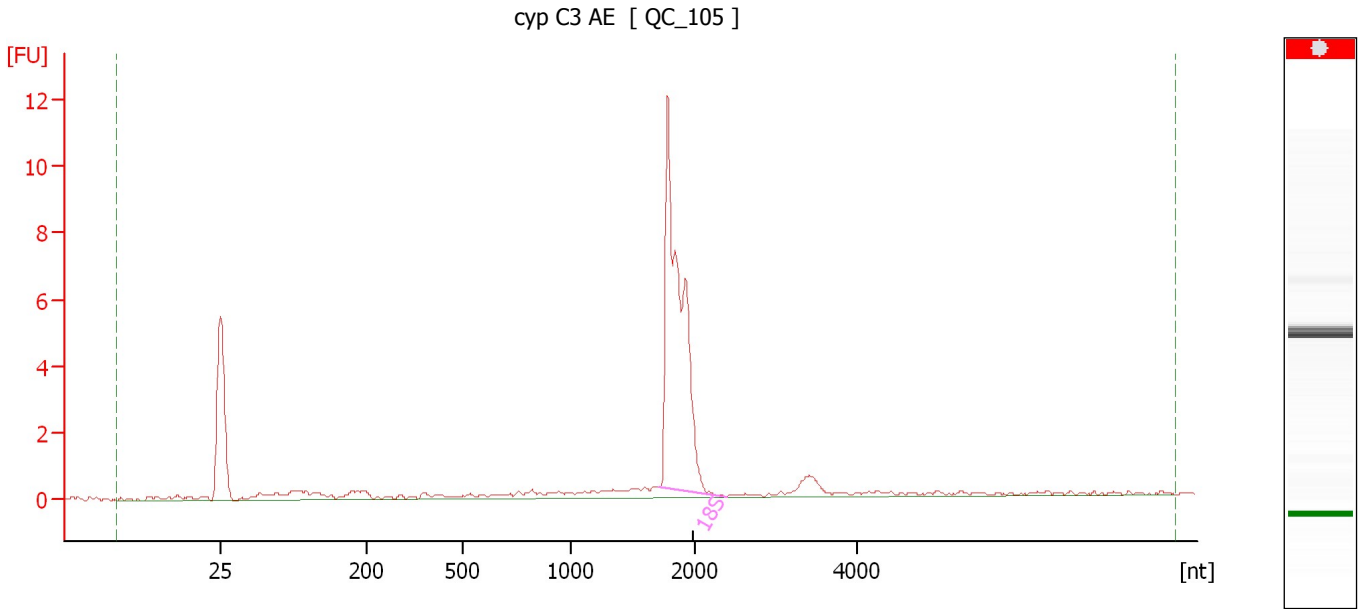
Overall Results for Ladder

RNA Area:	109.4	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...lyzer\2100 expert\data\2016-07-13\2016-07-13_002_QC_105.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:53:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : cyp C3 AE

RNA Area:	34.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	48 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

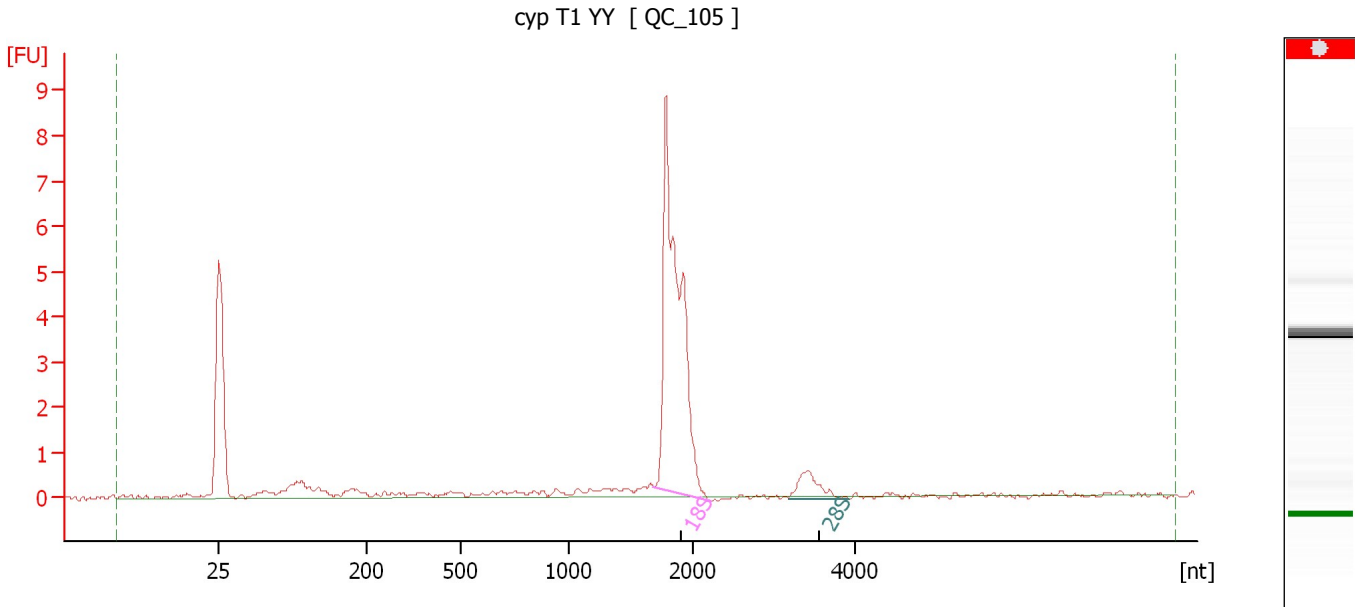
Fragment table for sample 7 : cyp C3 AE

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,705	2,380	21.3	61.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2100 expert\data\2016-07-13\2016-07-13_002_QC_105.xad

Created: 7/13/2016 11:28:09 AM
 Modified: 7/13/2016 11:53:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : cyp T1 YY

RNA Area:	25.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	35 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN N/A

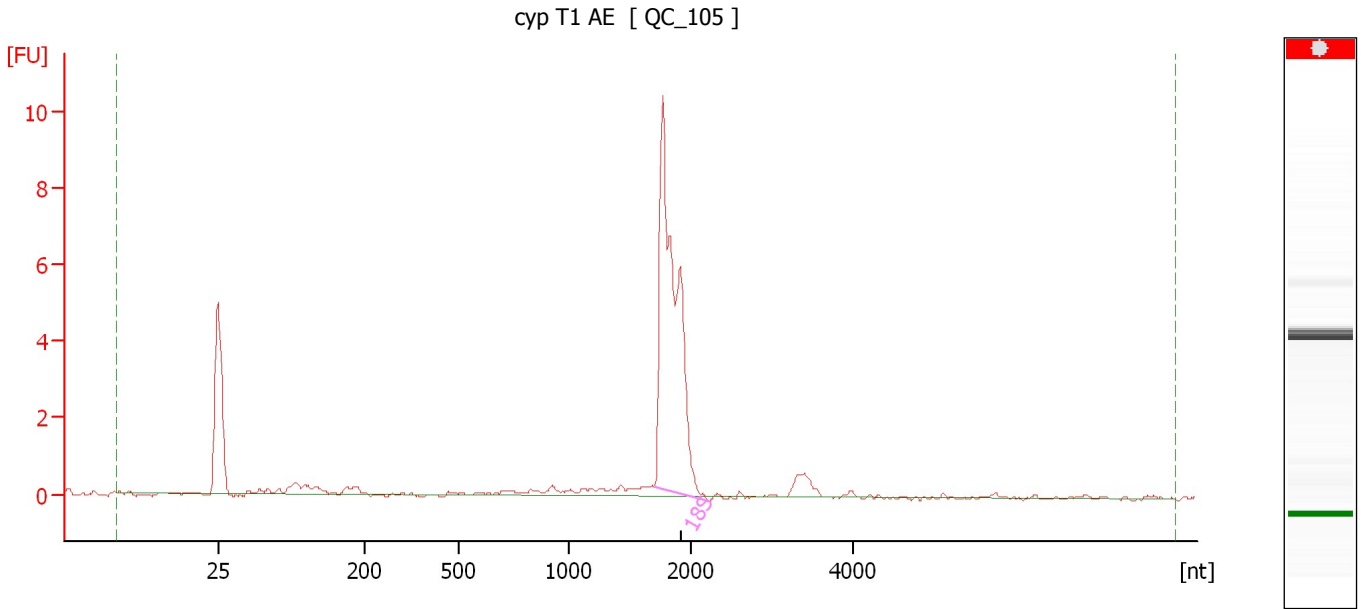
Fragment table for sample 8 : cyp T1 YY

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,678	2,208	16.4	64.2
28S	3,168	3,931	1.3	5.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...lyzer\2100 expert\data\2016-07-13\2016-07-13_002_QC_105.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:53:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : cyp T1 AE

RNA Area:	25.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	34 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

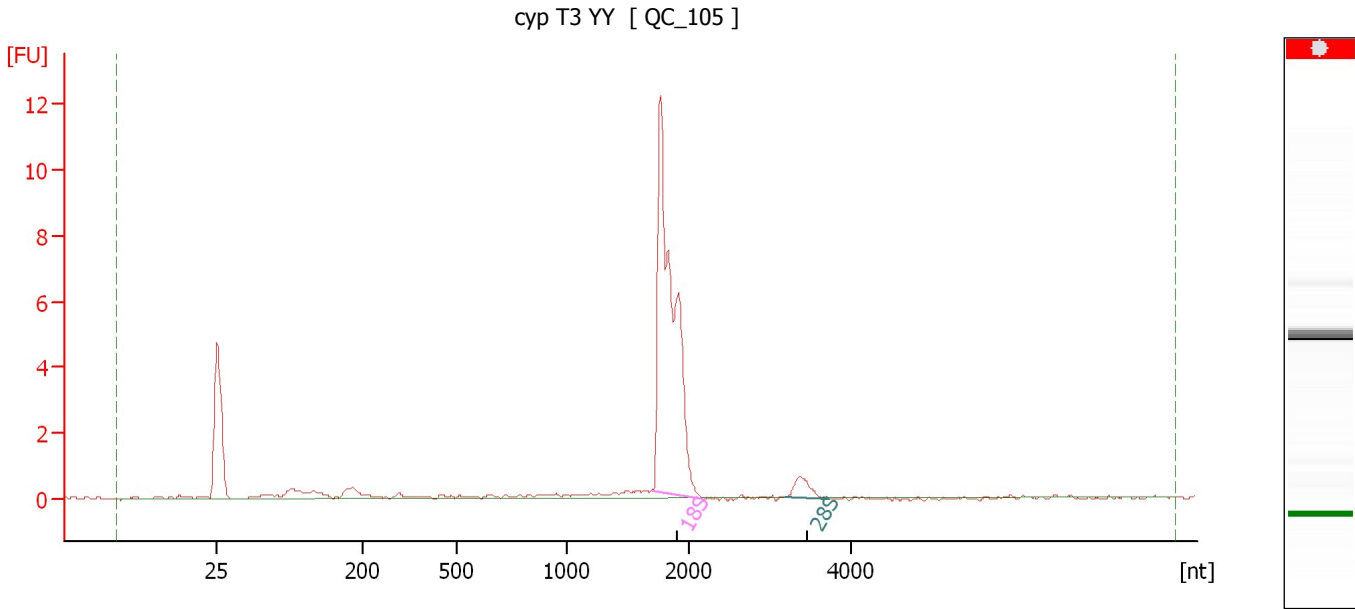
Fragment table for sample 9 : cyp T1 AE

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	2,221	19.3	76.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2100 expert\data\2016-07-13\2016-07-13_002_QC_105.xad

Created: 7/13/2016 11:28:09 AM
 Modified: 7/13/2016 11:53:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : cyp T3 YY

RNA Area:	29.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	40 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN N/A

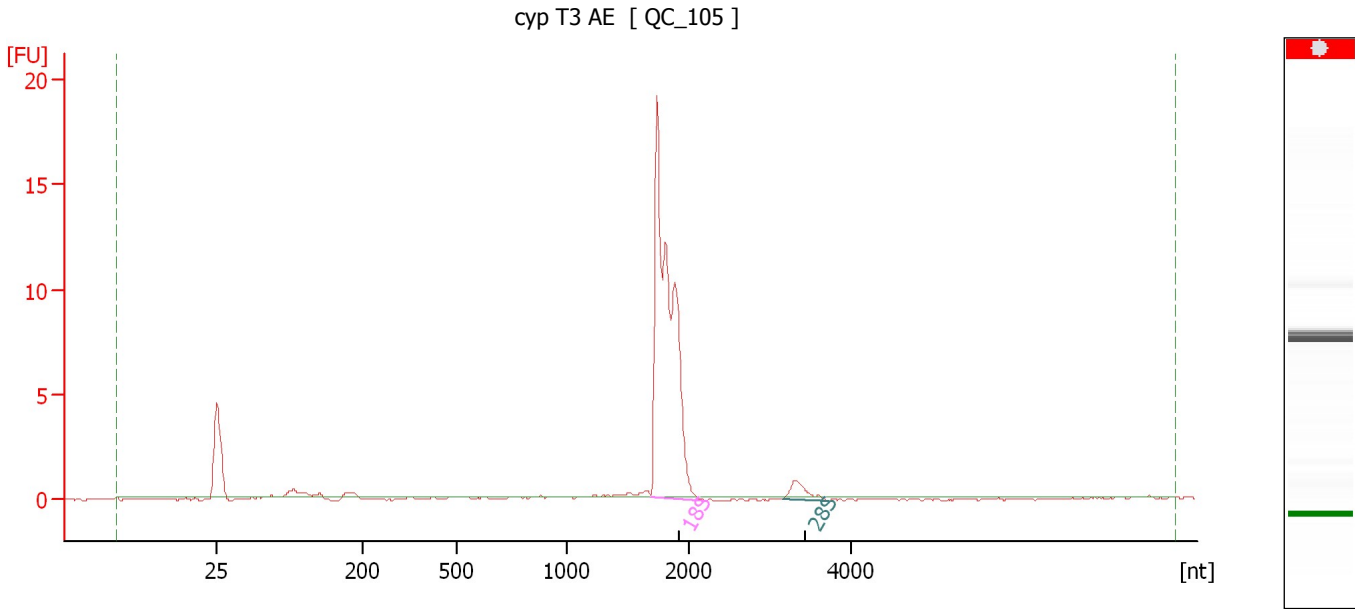
Fragment table for sample 10 : cyp T3 YY

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	2,180	21.0	71.2
28S	3,197	3,738	1.1	3.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2100 expert\data\2016-07-13\2016-07-13_002_QC_105.xad

Created: 7/13/2016 11:28:09 AM
 Modified: 7/13/2016 11:53:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : cyp T3 AE

RNA Area:	38.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	52 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

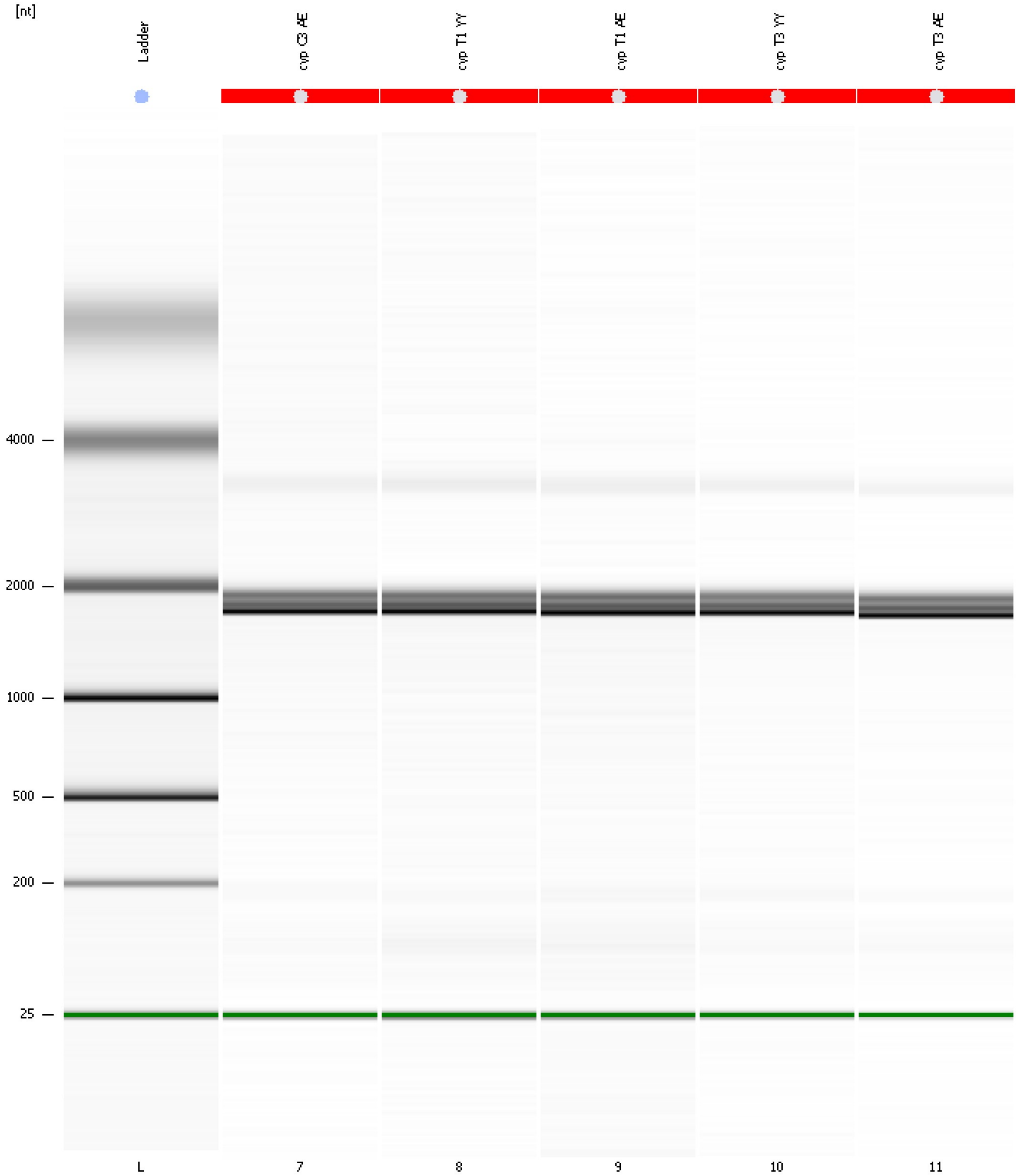
Fragment table for sample 11 : cyp T3 AE

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	2,220	34.2	90.0
28S	3,157	3,738	1.5	4.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...lyzer\2100 expert\data\2016-07-13\2016-07-13_002_QC_105.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:53:20 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...lyzer\2100 expert\data\2016-07-13\2016-07-13_002_QC_105.xad

Created: 7/13/2016 11:28:09 AM
 Modified: 7/13/2016 11:53:20 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		7/13/2016 11:51:57 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\2016-07-13\2016-07-13_002.xad)		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1