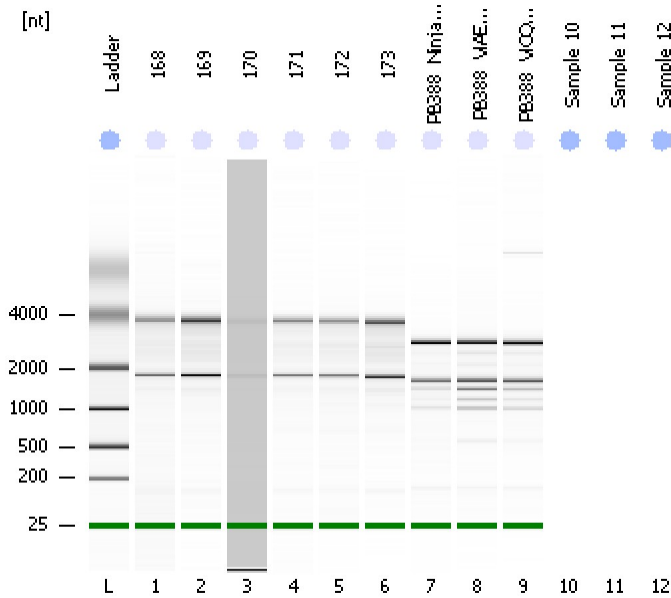


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_009.xad

Created: 8/6/2019 4:16:43 PM
Modified: 8/6/2019 4:47:44 PM

Electrophoresis File Run Summary



Instrument Information:

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

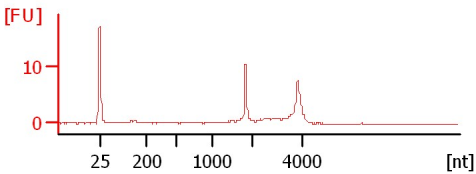
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

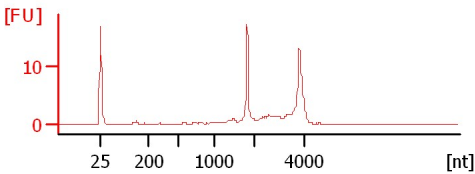
Chip Information:

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

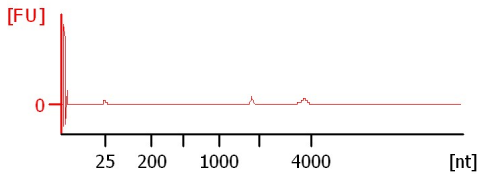
168
RIN: 9.20



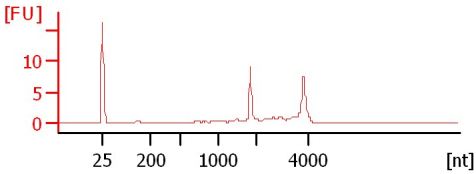
169
RIN: 9.30



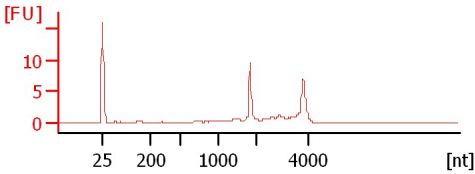
170
RIN: 9.20



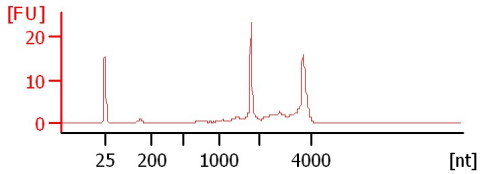
171
RIN: 8.80



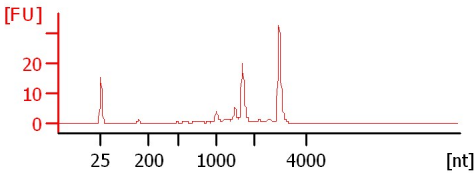
172
RIN: 8.50



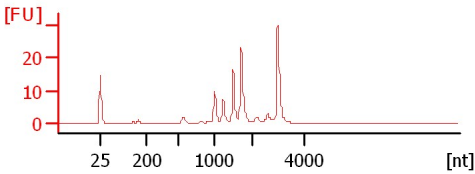
173
RIN: 8.90



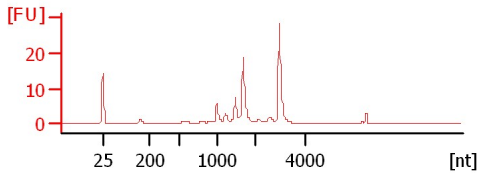
PB388_Ninja_totalRNA_June_QC
RIN: 8.30



PB388_ViAE_totalRNA_June_QC
RIN: 7.50



PB388_ViCQ_totalRNA_June_QC
RIN: 8.10



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_009.xad

Created: 8/6/2019 4:16:43 PM
Modified: 8/6/2019 4:47:44 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
168		✓	RIN: 9.20	
169		✓	RIN: 9.30	
170		✓	RIN: 9.20	
171		✓	RIN: 8.80	
172		✓	RIN: 8.50	
173		✓	RIN: 8.90	
PB388_Ninja_totalRNA_June_QC		✓	RIN: 8.30	
PB388_ViAE_totalRNA_June_QC		✓	RIN: 7.50	
PB388_ViCQ_totalRNA_June_QC		✓	RIN: 8.10	
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_009.xad

Created: 8/6/2019 4:16:43 PM
Modified: 8/6/2019 4:47:44 PM

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

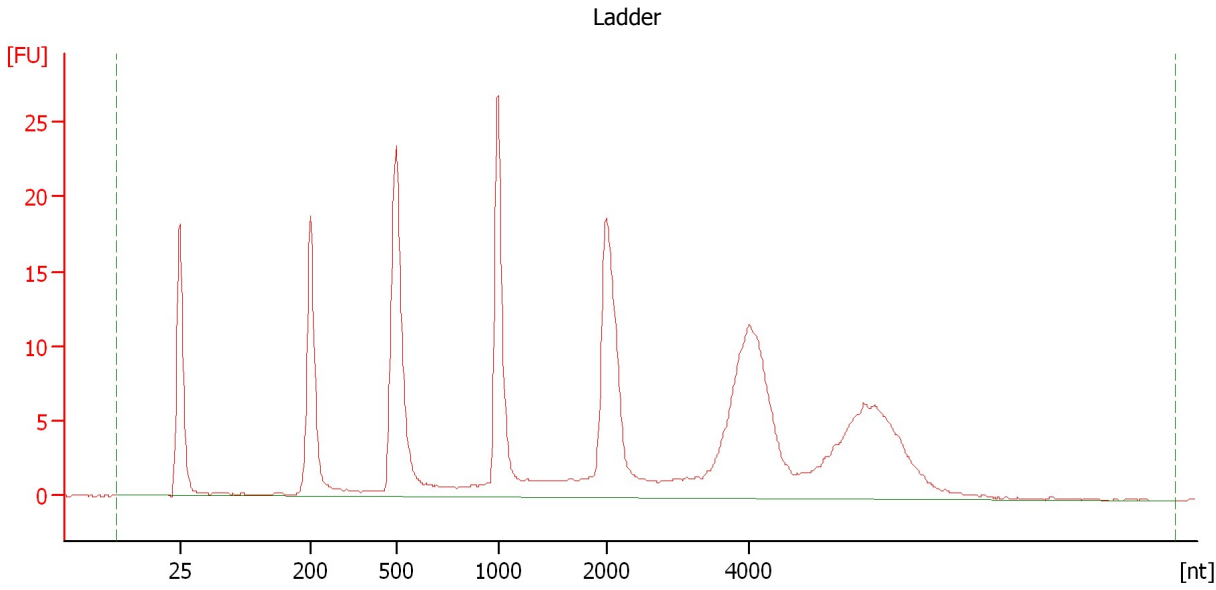
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_009.xad

Created: 8/6/2019 4:16:43 PM
Modified: 8/6/2019 4:47:44 PM

Electropherogram Summary



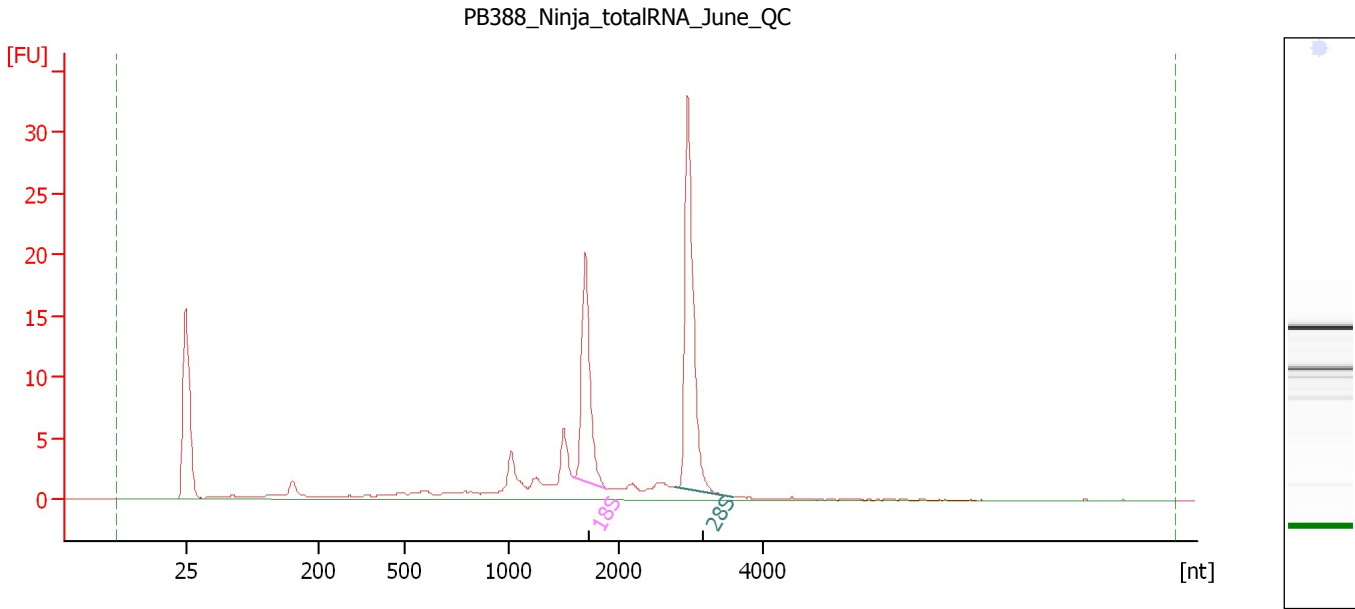
Overall Results for Ladder

RNA Area:	265.9	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_009.xad

Created: 8/6/2019 4:16:43 PM
Modified: 8/6/2019 4:47:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : PB388 Ninja totalRNA June QC

RNA Area: 102.8 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 58 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 8.30

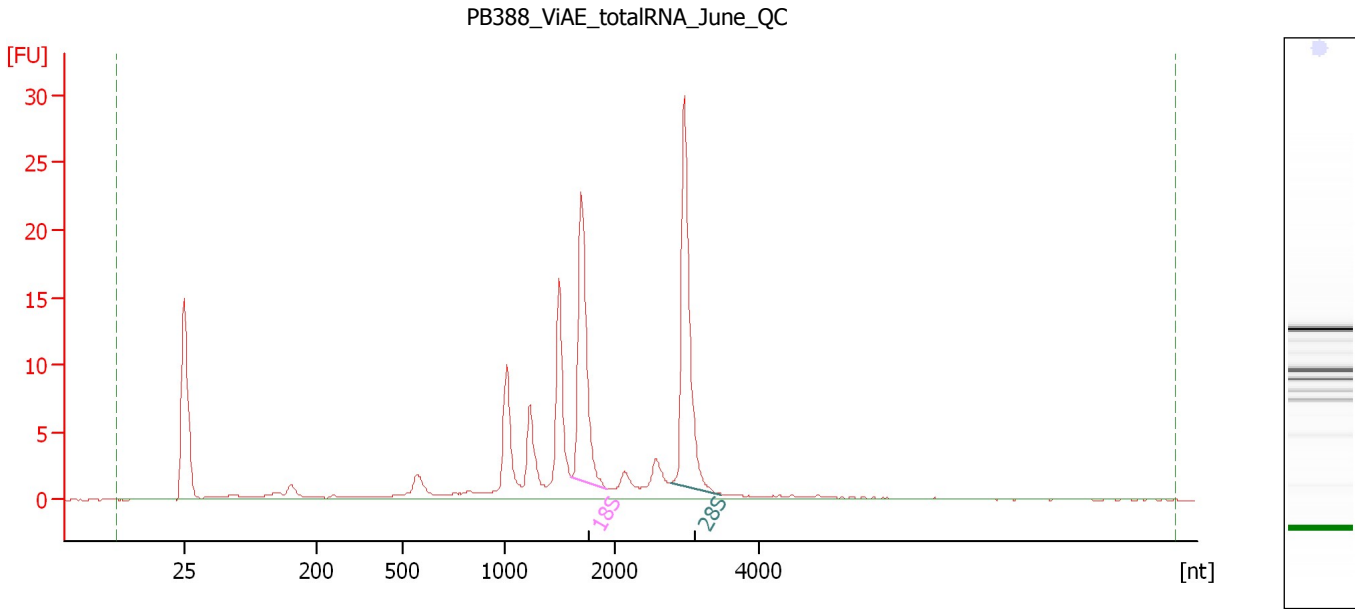
Fragment table for sample 7 : PB388 Ninja totalRNA June QC

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,586	1,889	19.6	19.0
28S	2,790	3,571	31.8	30.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_009.xad

Created: 8/6/2019 4:16:43 PM
 Modified: 8/6/2019 4:47:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : PB388 ViAE totalRNA June QC

RNA Area:	127.0	RNA Integrity Number (RIN):	7.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	72 ng/μl		
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.50

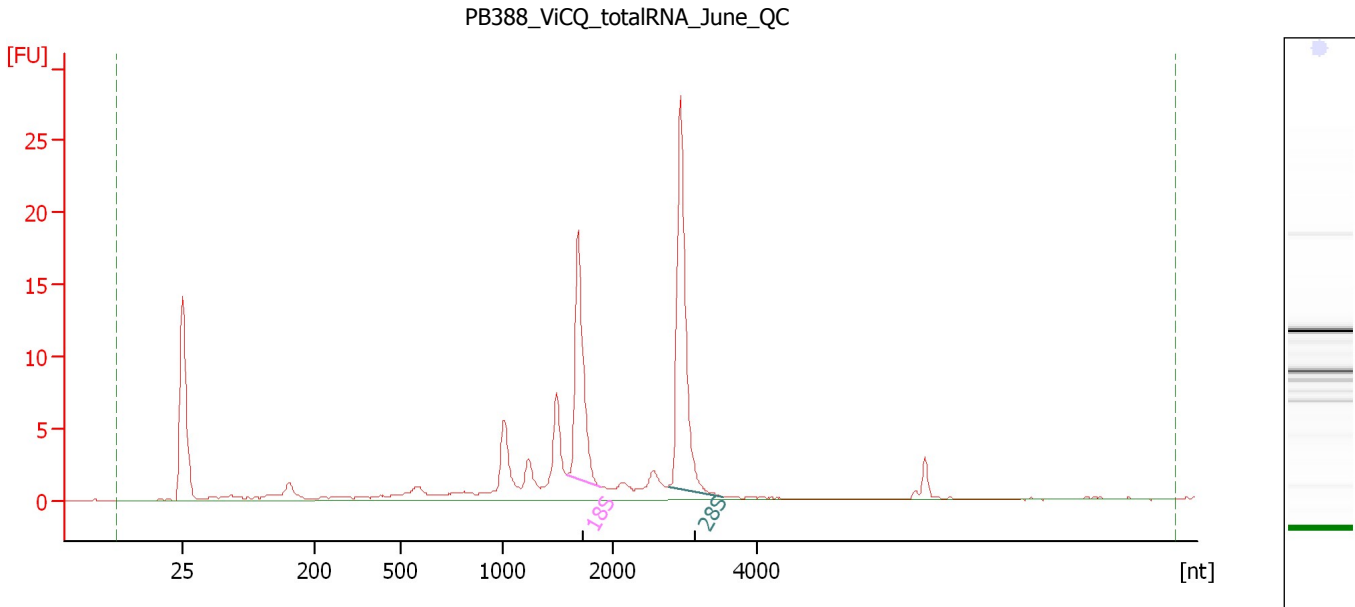
Fragment table for sample 8 : PB388 ViAE totalRNA June QC

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,602	1,925	22.6	17.8
28S	2,790	3,485	28.6	22.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_009.xad

Created: 8/6/2019 4:16:43 PM
 Modified: 8/6/2019 4:47:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : PB388 ViCQ totalRNA June QC

RNA Area:	104.4	RNA Integrity Number (RIN):	8.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	59 ng/μl		
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.10

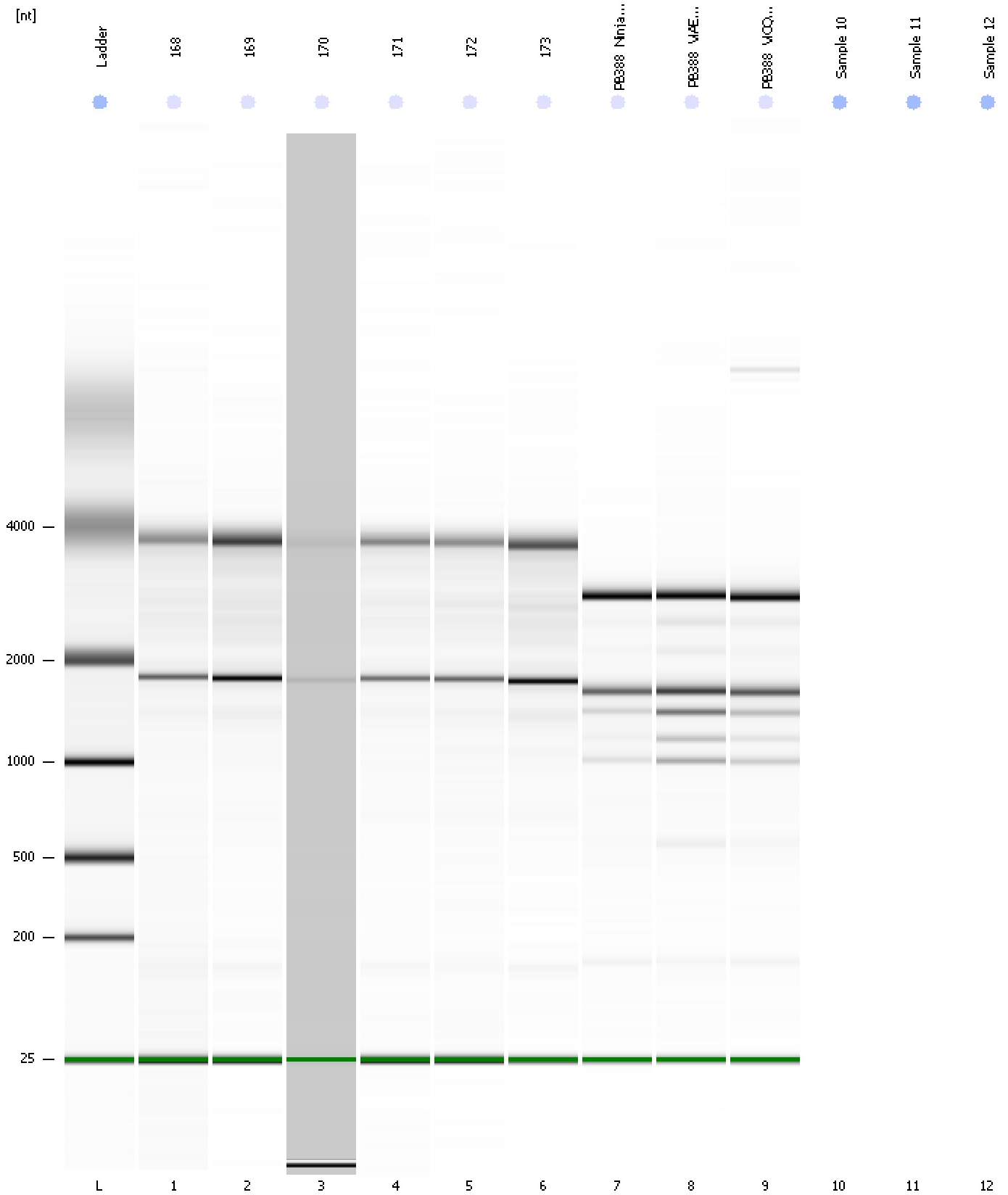
Fragment table for sample 9 : PB388 ViCQ totalRNA June QC

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,580	1,895	18.2	17.5
28S	2,775	3,532	27.1	26.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_009.xad

Created: 8/6/2019 4:16:43 PM
Modified: 8/6/2019 4:47:44 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-08-06\2019-08-06_009.xad

Created: 8/6/2019 4:16:43 PM
 Modified: 8/6/2019 4:47:44 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		8/6/2019 4:36:26 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\2019-08-06\2019-08-06_009.xad)		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1