

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...r\2100 expert\Data\4986_s17786_hsh2_2018-03-23_16-39-53.xad

Created: 3/23/2018 4:39:53 PM
Modified: 3/23/2018 5:09:16 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE72903103
Serial#: DE72903103

Firmware: C.01.069
Type: G2939A

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)

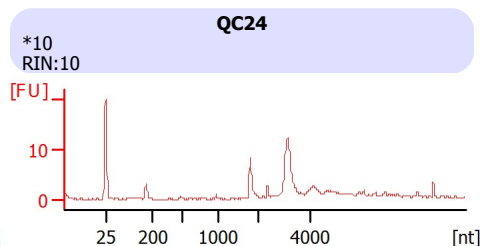
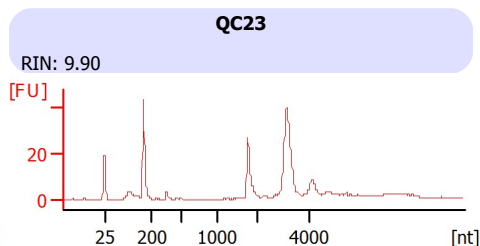
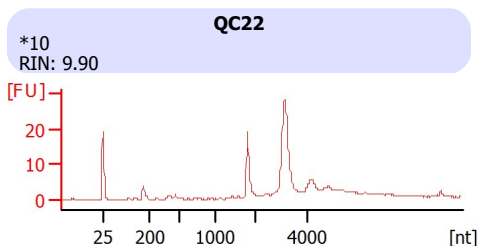
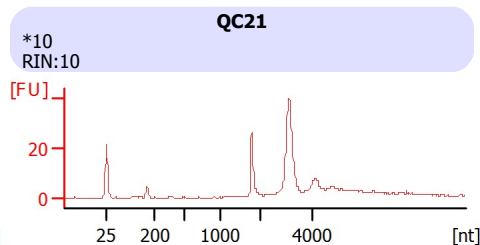
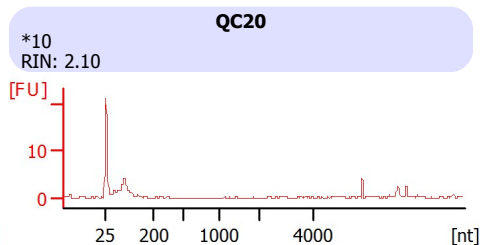
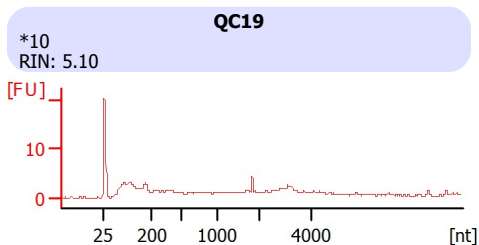
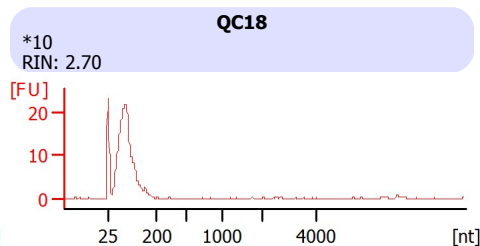
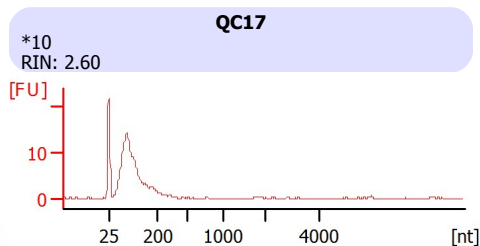
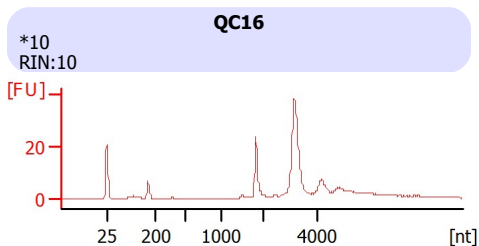
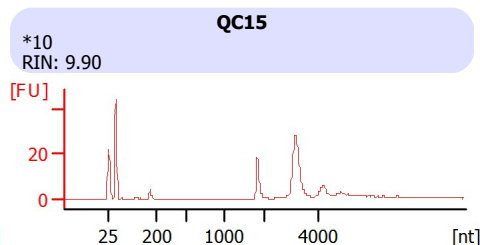
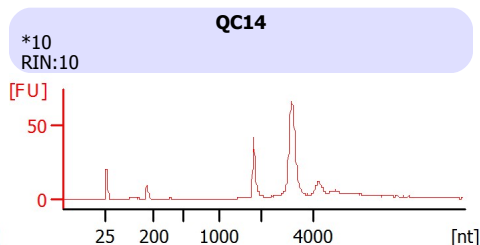
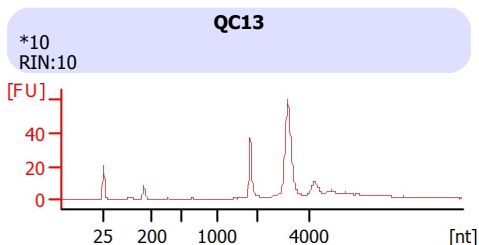
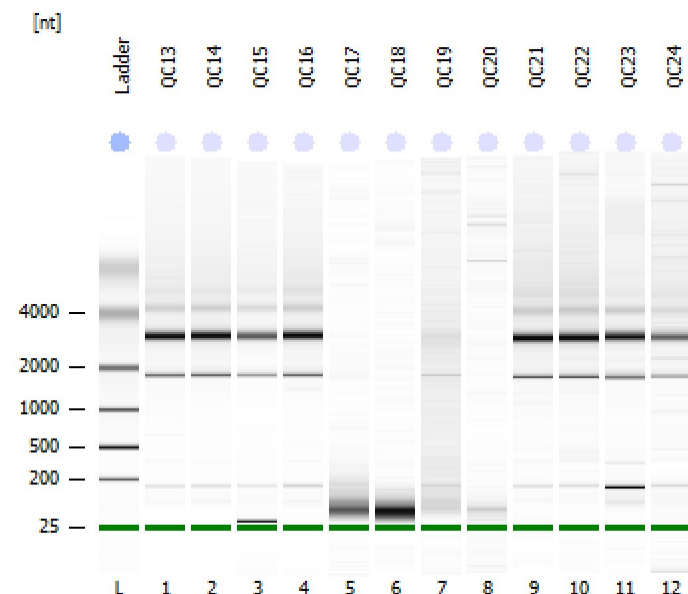
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments: Calla Telzrow



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...r\2100 expert\Data\4986_s17786_hsh2_2018-03-23_16-39-53.xad

Created: 3/23/2018 4:39:53 PM
Modified: 3/23/2018 5:09:16 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Sta tus	Result Label	Result Color
QC13	*10	✓	RIN:10	
QC14	*10	✓	RIN:10	
QC15	*10	✓	RIN: 9.90	
QC16	*10	✓	RIN:10	
QC17	*10	✓	RIN: 2.60	
QC18	*10	✓	RIN: 2.70	
QC19	*10	✓	RIN: 5.10	
QC20	*10	✓	RIN: 2.10	
QC21	*10	✓	RIN:10	
QC22	*10	✓	RIN: 9.90	
QC23		✓	RIN: 9.90	
QC24	*10	✓	RIN:10	
Ladder		✓	All Other Samples	

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

Calla Telzrow

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...r\2100 expert\Data\4986_s17786_hsh2_2018-03-23_16-39-53.xad

Created: 3/23/2018 4:39:53 PM
Modified: 3/23/2018 5:09:16 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

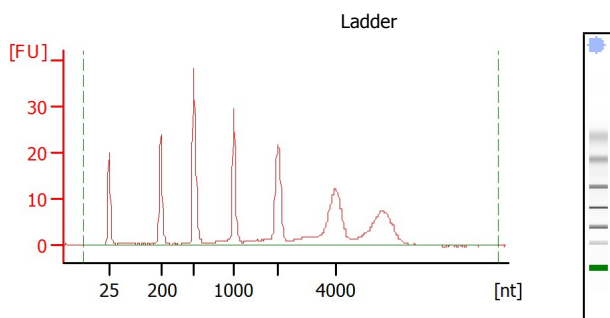
Ladder

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

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...r\2100 expert\Data\4986_s17786_hsh2_2018-03-23_16-39-53.xad

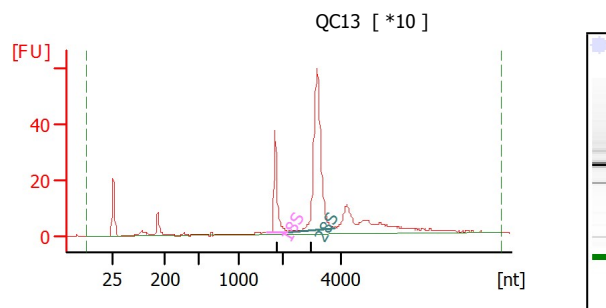
Created: 3/23/2018 4:39:53 PM
 Modified: 3/23/2018 5:09:16 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 291.5
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

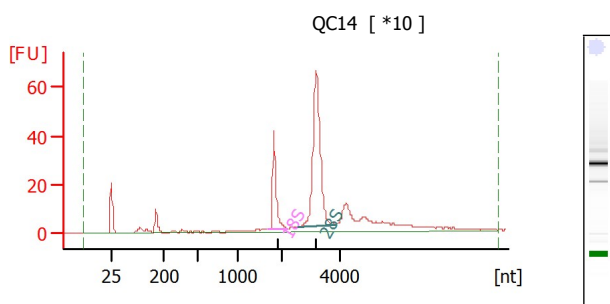


Overall Results for sample 1 : QC13

RNA Area: 278.4
 RNA Concentration: 143 ng/μl
 rRNA Ratio [28s / 18s]: 3.1
 RNA Integrity Number (RIN): 10 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 1 : QC13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,646	2,164	37.8	13.6
28S	2,193	3,744	117.1	42.1

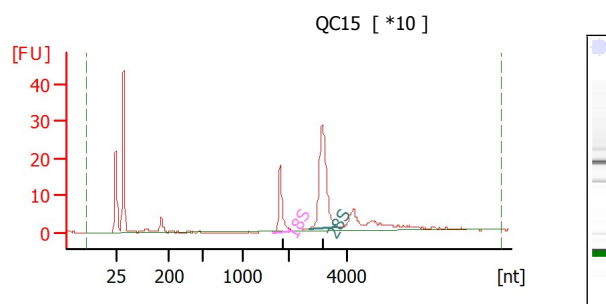


Overall Results for sample 2 : QC14

RNA Area: 332.5
 RNA Concentration: 171 ng/μl
 rRNA Ratio [28s / 18s]: 3.1
 RNA Integrity Number (RIN): 10 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 2 : QC14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	2,209	43.6	13.1
28S	2,556	3,855	135.3	40.7



Overall Results for sample 3 : QC15

RNA Area: 189.2
 RNA Concentration: 97 ng/μl
 rRNA Ratio [28s / 18s]: 2.9
 RNA Integrity Number (RIN): 9.9 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

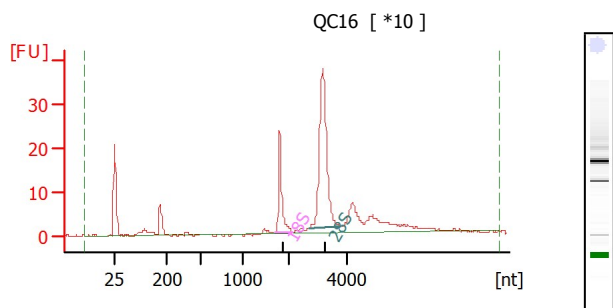
Fragment table for sample 3 : QC15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	2,156	19.8	10.5
28S	2,686	3,688	58.3	30.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...r\2100 expert\Data\4986_s17786_hsh2_2018-03-23_16-39-53.xad

Created: 3/23/2018 4:39:53 PM
 Modified: 3/23/2018 5:09:16 PM

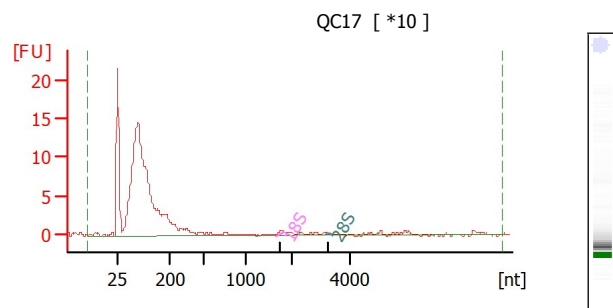
Electropherogram Summary Continued ...



Overall Results for sample 4 : QC16
 RNA Area: 178.2
 RNA Concentration: 92 ng/μl
 rRNA Ratio [28s / 18s]: 3.1
 RNA Integrity Number (RIN): 10 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 4 : QC16

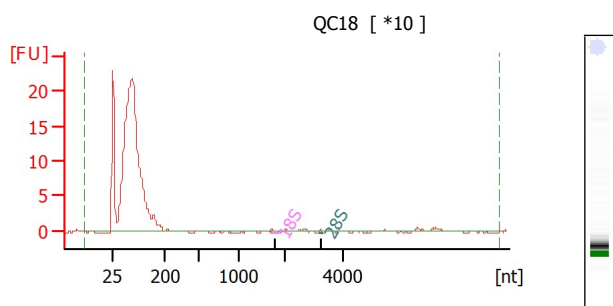
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	2,144	24.3	13.7
28S	2,743	3,812	75.8	42.5



Overall Results for sample 5 : QC17
 RNA Area: 154.5
 RNA Concentration: 79 ng/μl
 rRNA Ratio [28s / 18s]: 0.3
 RNA Integrity Number (RIN): 2.6 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.60

Fragment table for sample 5 : QC17

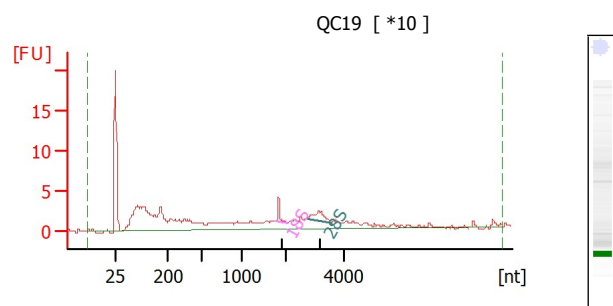
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,679	1,826	0.4	0.3
28S	3,185	3,370	0.1	0.1



Overall Results for sample 6 : QC18
 RNA Area: 189.2
 RNA Concentration: 97 ng/μl
 rRNA Ratio [28s / 18s]: 0.4
 RNA Integrity Number (RIN): 2.7 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.70

Fragment table for sample 6 : QC18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,681	1,886	0.5	0.3
28S	3,160	3,290	0.2	0.1



Overall Results for sample 7 : QC19
 RNA Area: 104.1
 RNA Concentration: 54 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 5.1 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 5.10

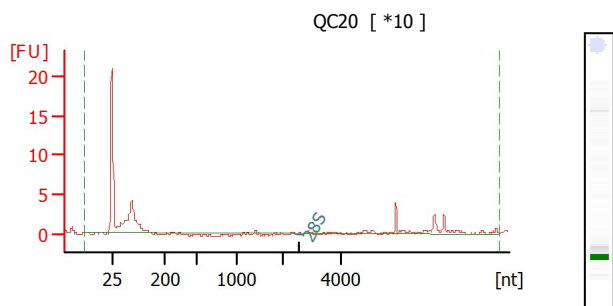
Fragment table for sample 7 : QC19

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,790	2,036	2.0	1.9
28S	2,729	3,567	4.1	4.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...r\2100 expert\Data\4986_s17786_hsh2_2018-03-23_16-39-53.xad

Created: 3/23/2018 4:39:53 PM
 Modified: 3/23/2018 5:09:16 PM

Electropherogram Summary Continued ...

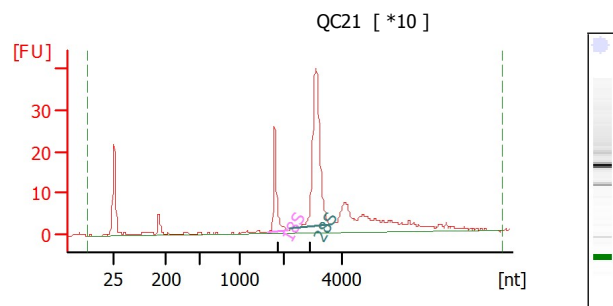


Overall Results for sample 8 : QC20

RNA Area: 30.4
 RNA Concentration: 16 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 2.1 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.10

Fragment table for sample 8 : QC20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,512	2,686	0.2	0.7

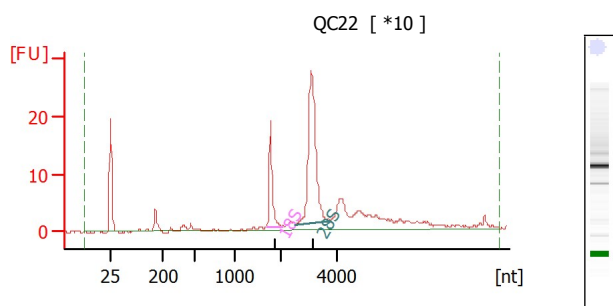


Overall Results for sample 9 : QC21

RNA Area: 225.7
 RNA Concentration: 116 ng/μl
 rRNA Ratio [28s / 18s]: 3.1
 RNA Integrity Number (RIN): 10 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 10

Fragment table for sample 9 : QC21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	2,135	26.1	11.6
28S	2,164	3,628	81.6	36.2

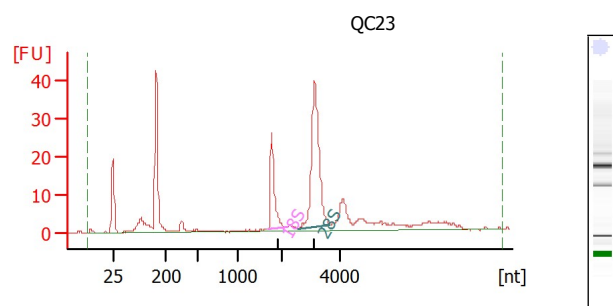


Overall Results for sample 10 : QC22

RNA Area: 161.8
 RNA Concentration: 83 ng/μl
 rRNA Ratio [28s / 18s]: 3.2
 RNA Integrity Number (RIN): 9.9 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 10 : QC22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,699	2,074	17.9	11.1
28S	2,540	3,778	58.2	35.9



Overall Results for sample 11 : QC23

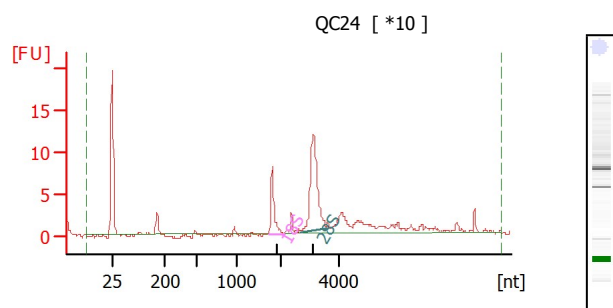
RNA Area: 281.4
 RNA Concentration: 145 ng/μl
 rRNA Ratio [28s / 18s]: 2.7
 RNA Integrity Number (RIN): 9.9 (B.02.08, Anomaly Threshold(s) manually adapted)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 11 : QC23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,660	2,175	31.7	11.3
28S	2,569	3,693	84.6	30.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...r\2100 expert\Data\4986_s17786_hsh2_2018-03-23_16-39-53.xad

Created: 3/23/2018 4:39:53 PM
Modified: 3/23/2018 5:09:16 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : QC24**

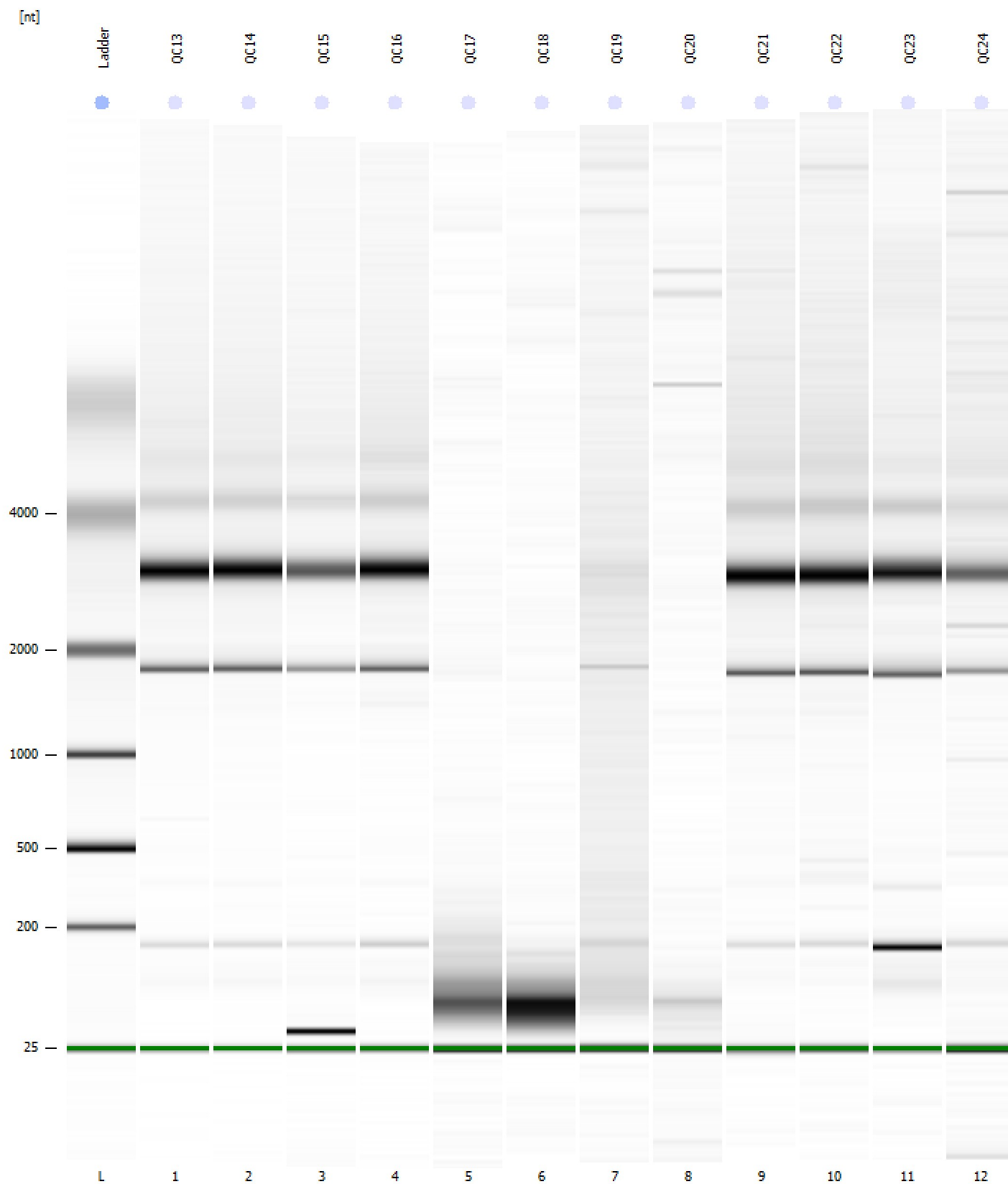
RNA Area: 69.4
RNA Concentration: 36 ng/μl
rRNA Ratio [28s / 18s]: 2.7
RNA Integrity Number (RIN): 10 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 12 : QC24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	2,145	8.7	12.6
28S	2,686	3,576	23.9	34.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...r\2100 expert\Data\4986_s17786_hsh2_2018-03-23_16-39-53.xad

Created: 3/23/2018 4:39:53 PM
Modified: 3/23/2018 5:09:16 PM

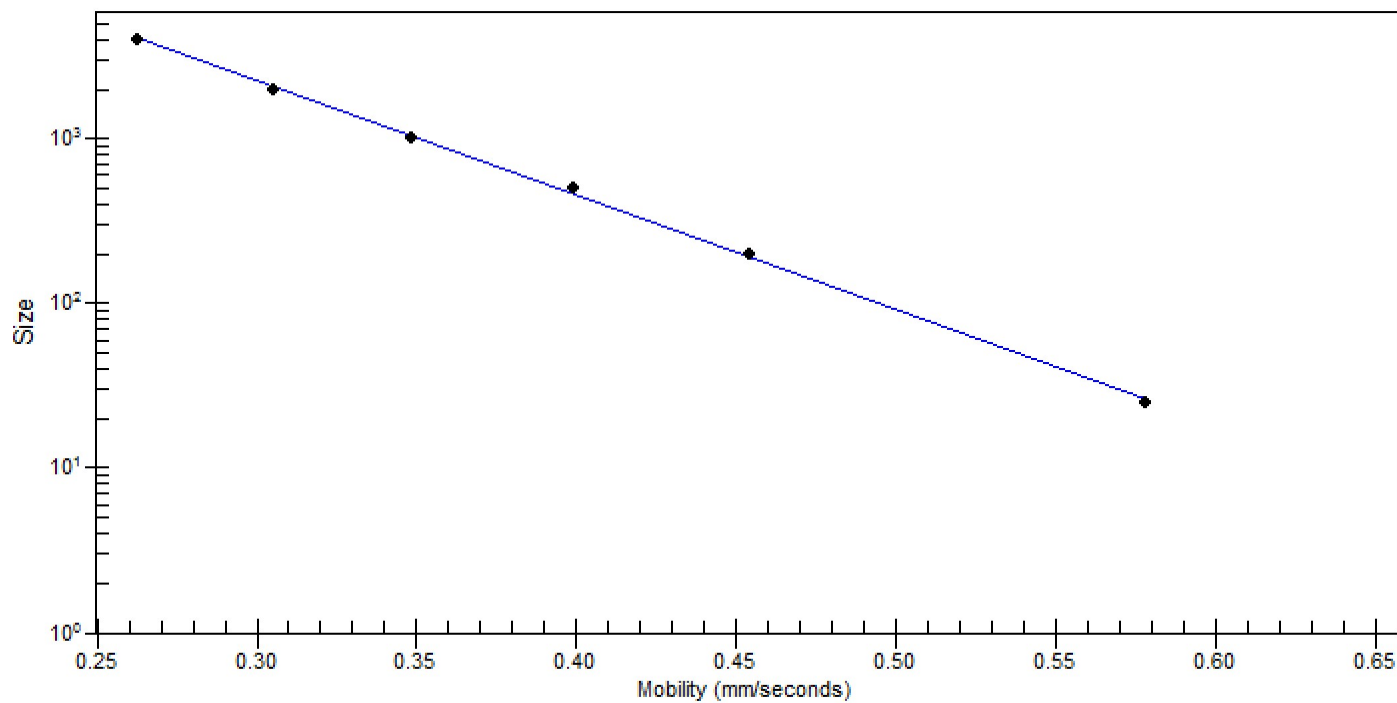
Gel Image

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...r\2100 expert\Data\4986_s17786_hsh2_2018-03-23_16-39-53.xad

Created: 3/23/2018 4:39:53 PM
Modified: 3/23/2018 5:09:16 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...r\2100 expert\Data\4986_s17786_hsh2_2018-03-23_16-39-53.xad

Created: 3/23/2018 4:39:53 PM
 Modified: 3/23/2018 5:09:16 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 4 (Number of wells acquired: 13)		Instrument	Run		3/23/2018 5:02:58 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Run started on port 4 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\4986_s17786_hsh2_2018-03-23_16-39-53.xad)		Instrument	Run		3/23/2018 4:39:58 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Product Number : G2939A		Instrument	Run		3/23/2018 4:39:58 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Name :		Instrument	Run		3/23/2018 4:39:58 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Vendor : Agilent Technologies		Instrument	Run		3/23/2018 4:39:58 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Serial# : DE72903103		Instrument	Run		3/23/2018 4:39:58 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Firmware : C.01.069		Instrument	Run		3/23/2018 4:39:58 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Cartridge : Electrode		Instrument	Run		3/23/2018 4:39:58 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight