

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er\2100 expert\Data\4986_s17786_hsh_2018-03-23_15-40-11.xad

Created: 3/23/2018 3:40:11 PM
Modified: 3/23/2018 4:03:56 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)

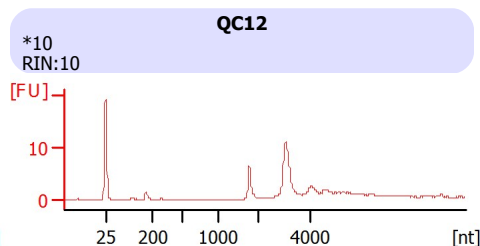
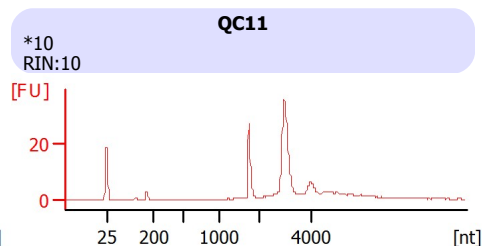
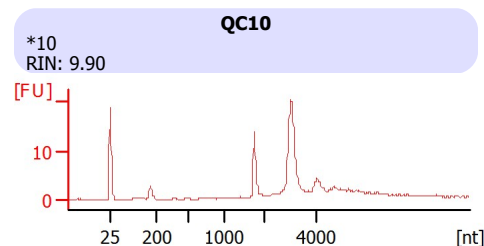
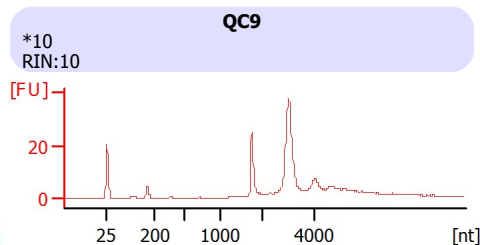
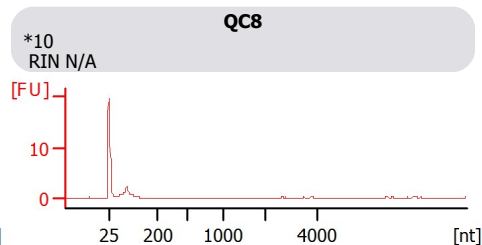
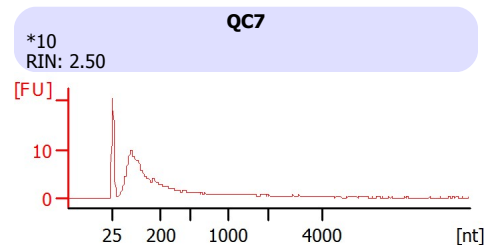
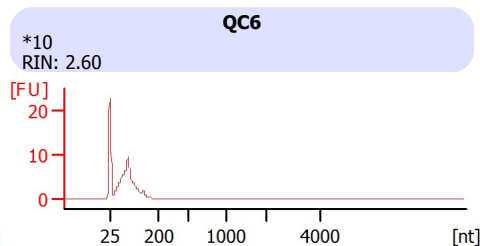
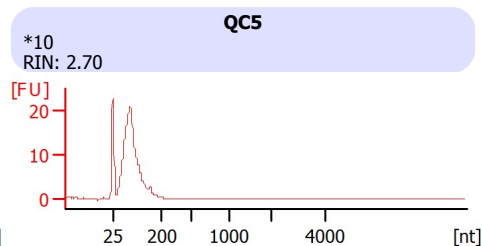
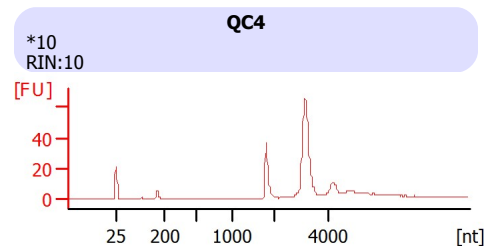
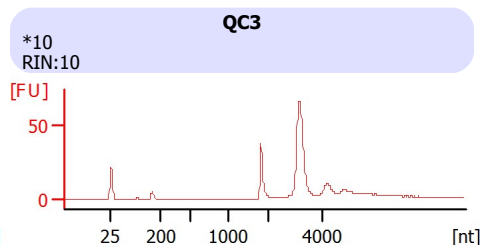
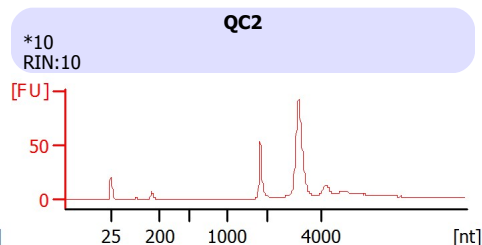
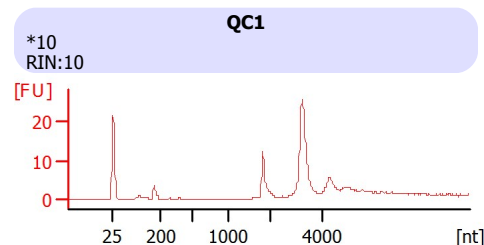
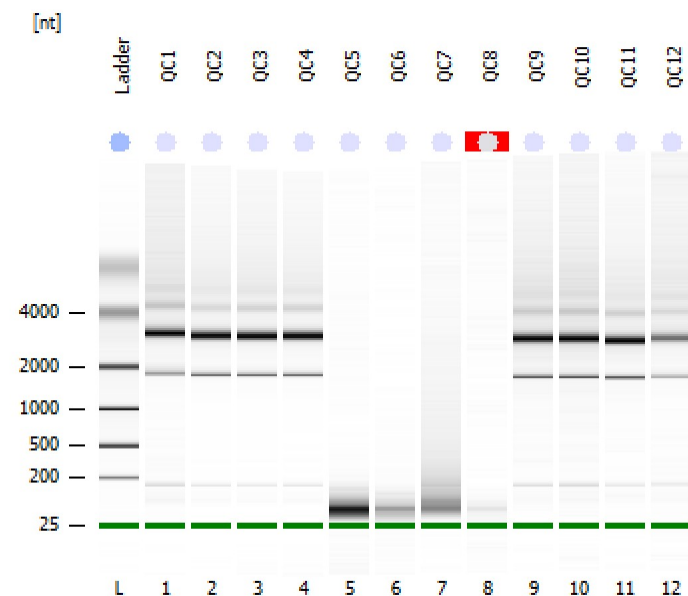
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments: Calla Telzrow



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Sta tus	Result Label	Result Color
QC1	*10	✓	RIN:10	
QC2	*10	✓	RIN:10	
QC3	*10	✓	RIN:10	
QC4	*10	✓	RIN:10	
QC5	*10	✓	RIN: 2.70	
QC6	*10	✓	RIN: 2.60	
QC7	*10	✓	RIN: 2.50	
QC8	*10	✓	RIN N/A	
QC9	*10	✓	RIN:10	
QC10	*10	✓	RIN: 9.90	
QC11	*10	✓	RIN:10	
QC12	*10	✓	RIN:10	
Ladder		✓	All Other Samples	

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

Calla Telzrow

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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/ μ l] : 150

Lower Marker Concentration [ng/ μ l] : 0

Upper Marker Concentration [ng/ 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] : 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

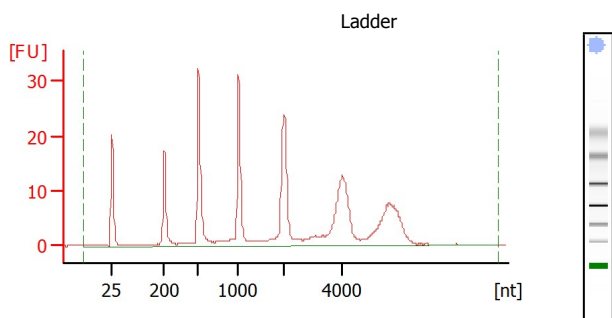
Ladder

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

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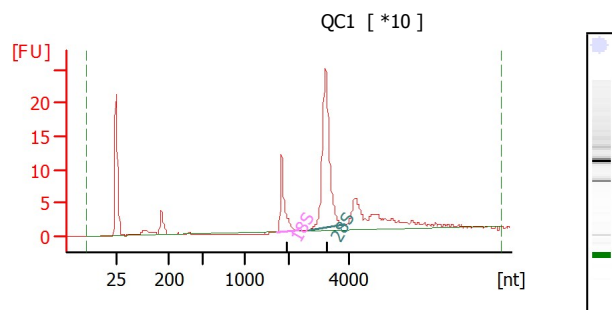
Created: 3/23/2018 3:40:11 PM
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Electropherogram Summary



Overall Results for Ladder

RNA Area: 273.8
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

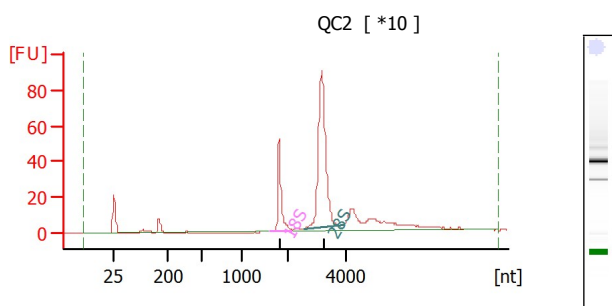


Overall Results for sample 1 : QC1

RNA Area: 113.3
 RNA Concentration: 62 ng/μl
 rRNA Ratio [28s / 18s]: 3.4
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 1 : QC1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,717	2,290	14.8	13.0
28S	2,676	3,920	49.5	43.7

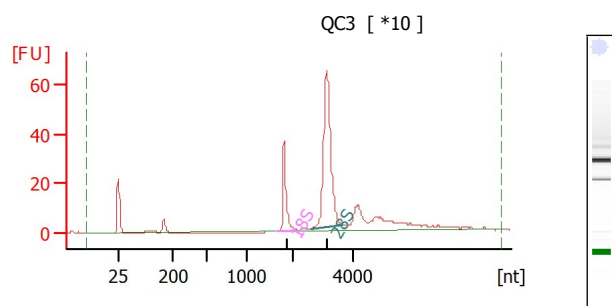


Overall Results for sample 2 : QC2

RNA Area: 386.0
 RNA Concentration: 212 ng/μl
 rRNA Ratio [28s / 18s]: 3.3
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 2 : QC2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	2,149	55.2	14.3
28S	2,548	3,871	184.2	47.7



Overall Results for sample 3 : QC3

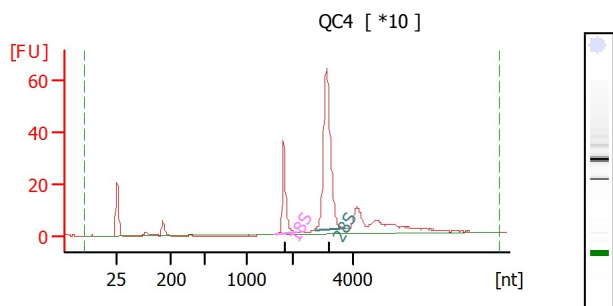
RNA Area: 274.6
 RNA Concentration: 150 ng/μl
 rRNA Ratio [28s / 18s]: 3.5
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 3 : QC3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,625	2,153	38.1	13.9
28S	2,605	3,666	133.5	48.6

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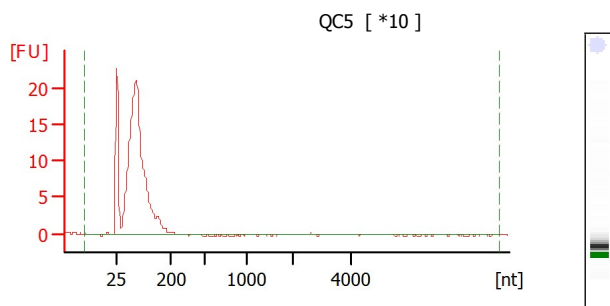
Created: 3/23/2018 3:40:11 PM
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Electropherogram Summary Continued ...**Overall Results for sample 4 : QC4**

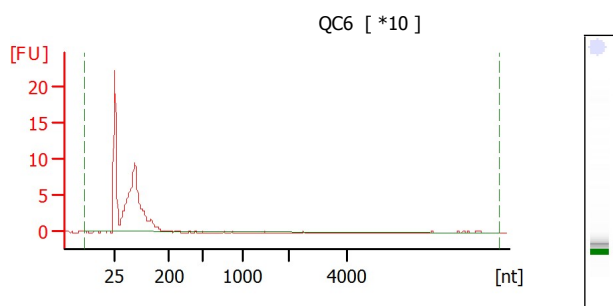
RNA Area: 272.3
RNA Concentration: 149 ng/μl
rRNA Ratio [28s / 18s]: 3.4
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 4 : QC4

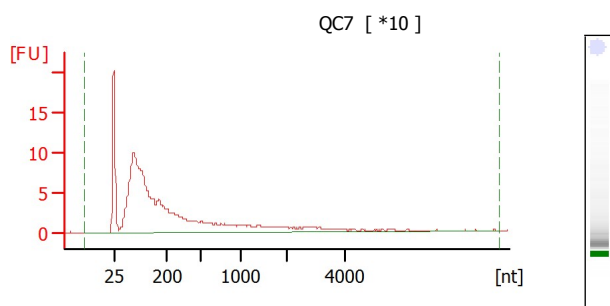
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	2,141	37.5	13.8
28S	2,704	3,718	129.2	47.4

**Overall Results for sample 5 : QC5**

RNA Area: 161.0
RNA Concentration: 88 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.70

**Overall Results for sample 6 : QC6**

RNA Area: 63.3
RNA Concentration: 35 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.60

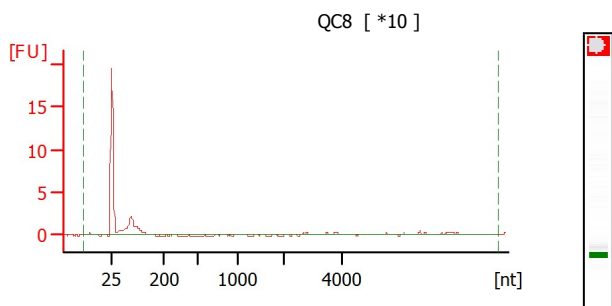
**Overall Results for sample 7 : QC7**

RNA Area: 165.3
RNA Concentration: 91 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er\2100 expert\Data\4986_s17786_hsh_2018-03-23_15-40-11.xad

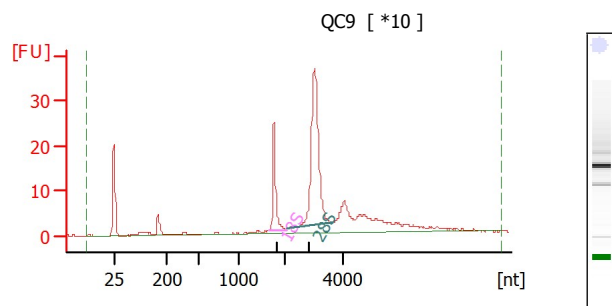
Created: 3/23/2018 3:40:11 PM
 Modified: 3/23/2018 4:03:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC8

RNA Area: 15.1
 RNA Concentration: 8 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

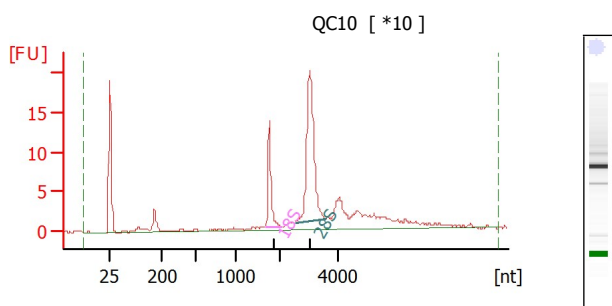


Overall Results for sample 9 : QC9

RNA Area: 196.2
 RNA Concentration: 108 ng/μl
 rRNA Ratio [28s / 18s]: 3.3
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 9 : QC9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	2,053	23.5	12.0
28S	2,082	3,689	76.6	39.0

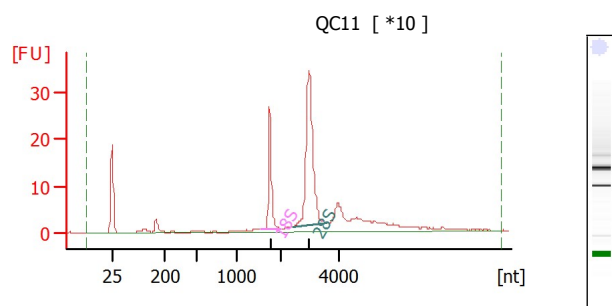


Overall Results for sample 10 : QC10

RNA Area: 112.9
 RNA Concentration: 62 ng/μl
 rRNA Ratio [28s / 18s]: 3.1
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 10 : QC10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,667	2,050	13.0	11.5
28S	2,516	3,592	40.7	36.0



Overall Results for sample 11 : QC11

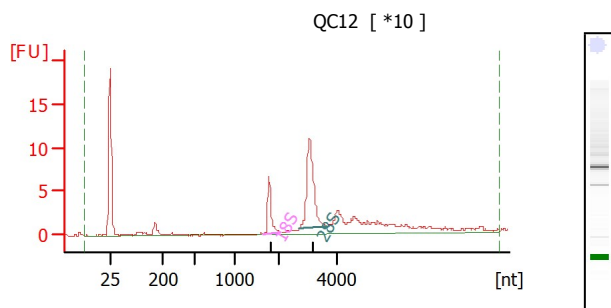
RNA Area: 170.5
 RNA Concentration: 93 ng/μl
 rRNA Ratio [28s / 18s]: 2.9
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 11 : QC11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,541	2,003	23.6	13.9
28S	2,427	3,581	69.0	40.5

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Electropherogram Summary Continued ...**Overall Results for sample 12 : QC12**

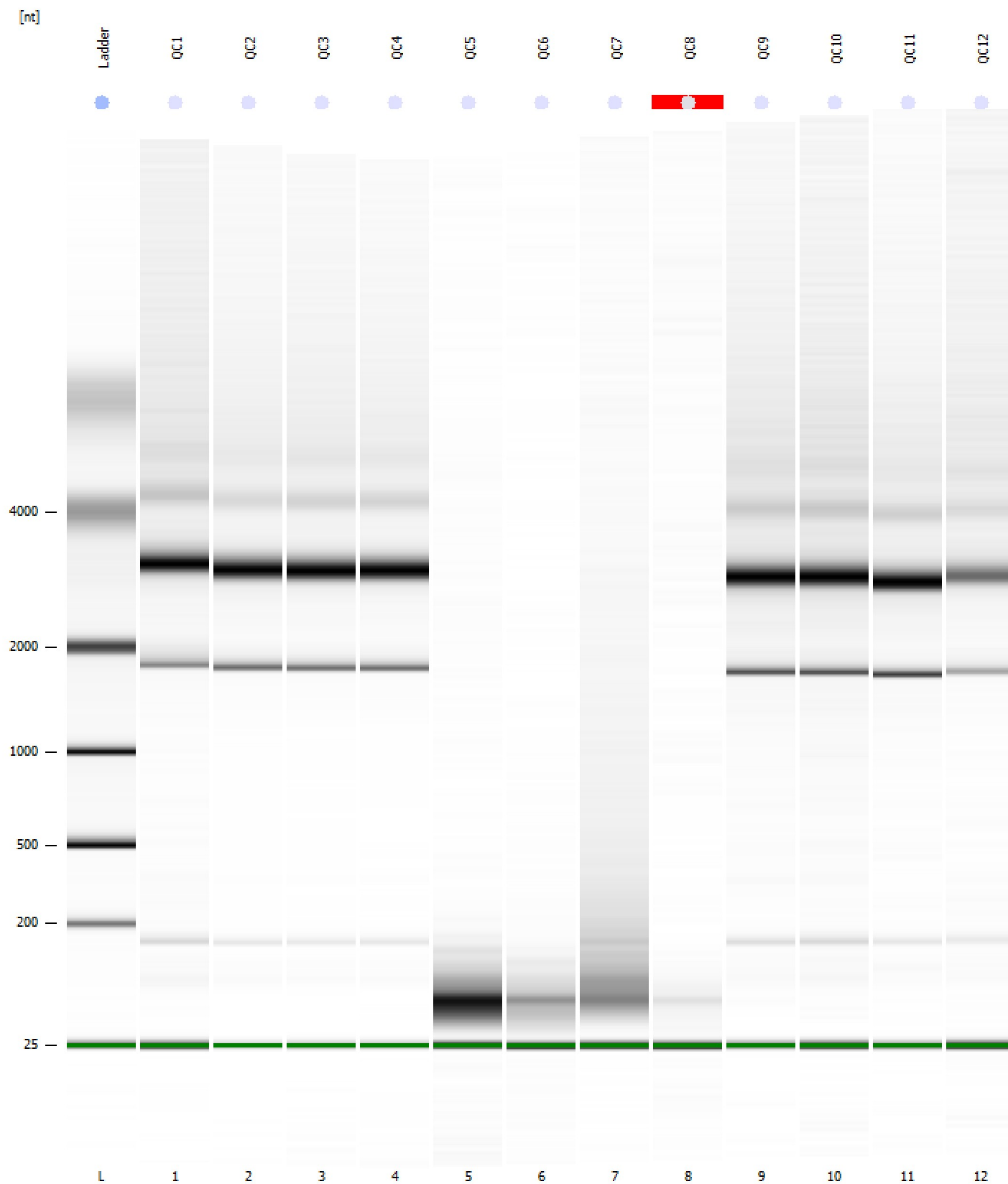
RNA Area: 70.6
RNA Concentration: 39 ng/μl
rRNA Ratio [28s / 18s]: 3.1
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 12 : QC12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,626	2,062	7.2	10.2
28S	2,676	3,669	21.9	31.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er\2100 expert\Data\4986_s17786_hsh_2018-03-23_15-40-11.xad

Created: 3/23/2018 3:40:11 PM
Modified: 3/23/2018 4:03:56 PM

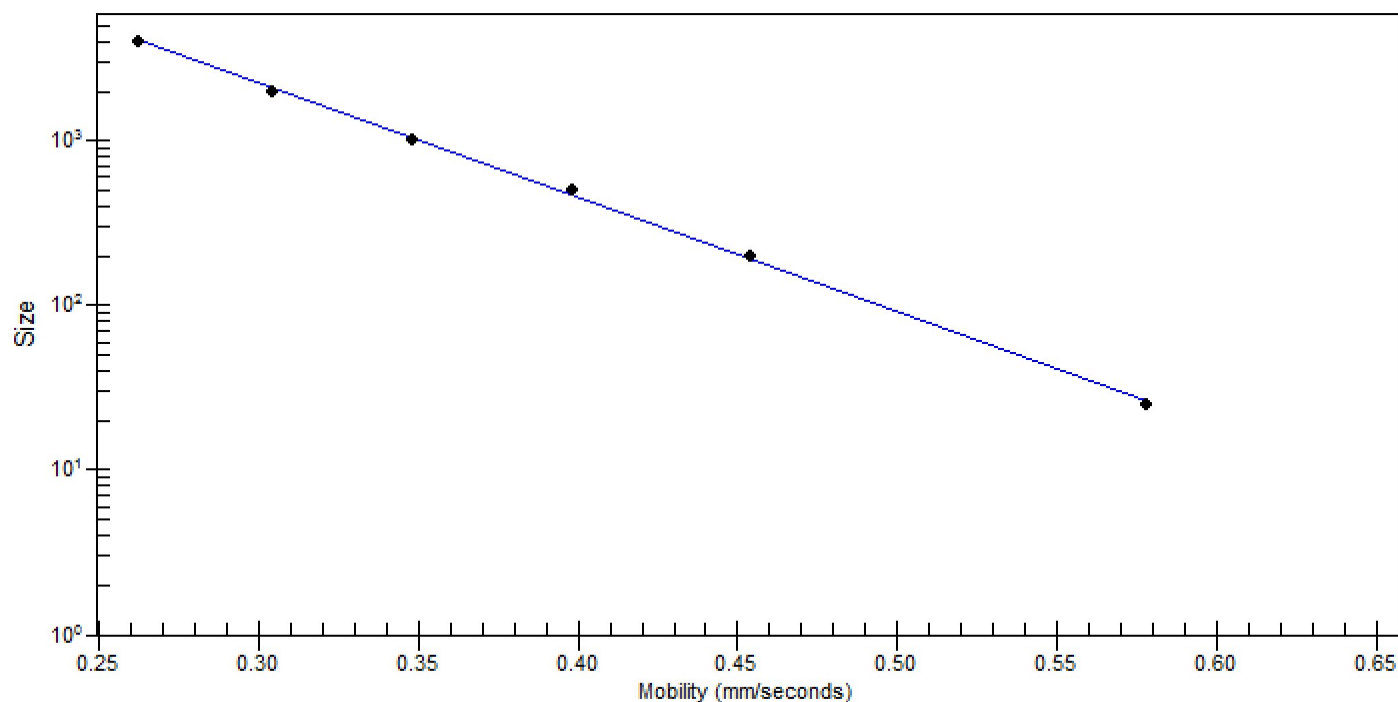
Gel Image

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er\2100 expert\Data\4986_s17786_hsh_2018-03-23_15-40-11.xad

Created: 3/23/2018 3:40:11 PM
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Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
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Run started on port 4 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\4986_s17786_hsh_2018-03-23_15-40-11.xad)		Instrument	Run		3/23/2018 3:40:11 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Product Number : G2939A		Instrument	Run		3/23/2018 3:40:11 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Name :		Instrument	Run		3/23/2018 3:40:11 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Vendor : Agilent Technologies		Instrument	Run		3/23/2018 3:40:11 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Serial# : DE72903103		Instrument	Run		3/23/2018 3:40:11 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Firmware : C.01.069		Instrument	Run		3/23/2018 3:40:11 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Cartridge : Electrode		Instrument	Run		3/23/2018 3:40:11 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight