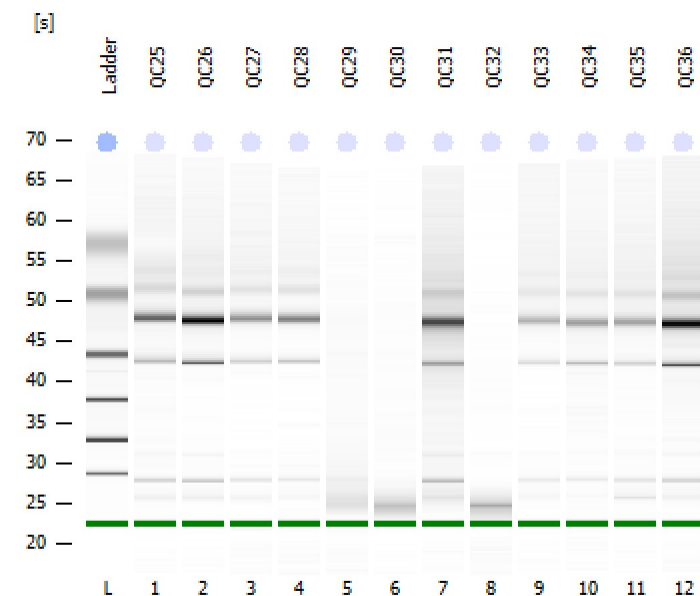


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er\2100 expert\Data\4996_s17804_hsh_2018-04-05_14-15-14.xad

Created: 4/5/2018 2:15:14 PM
Modified: 4/5/2018 2:39:08 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)

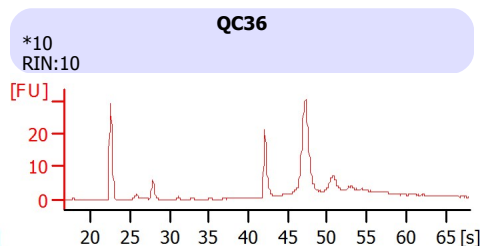
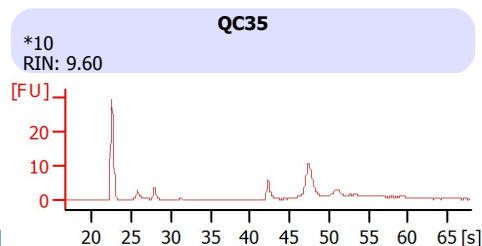
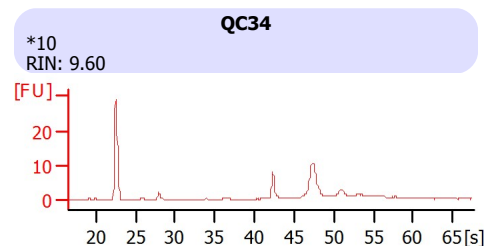
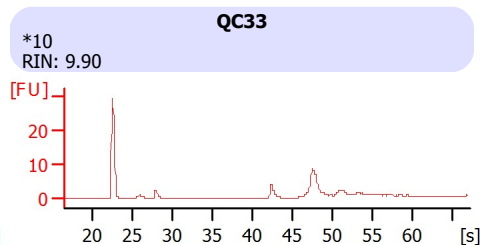
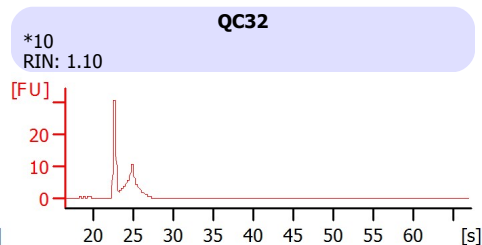
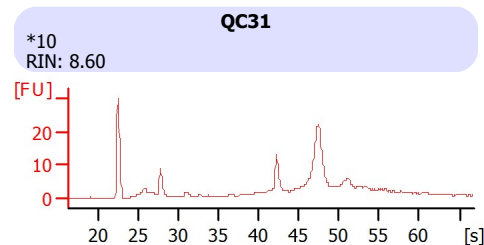
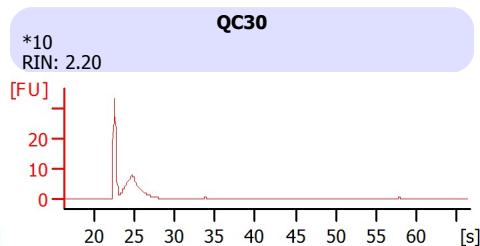
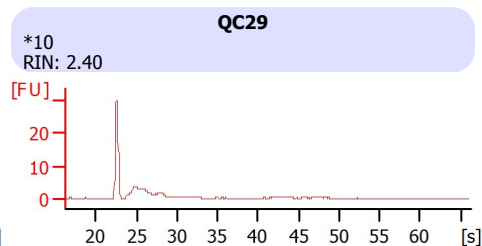
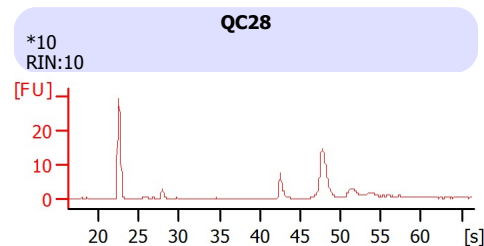
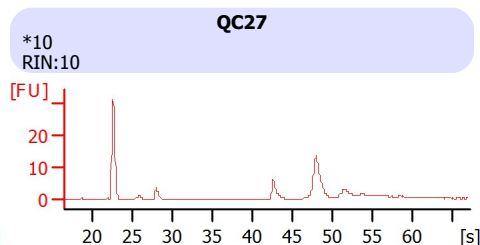
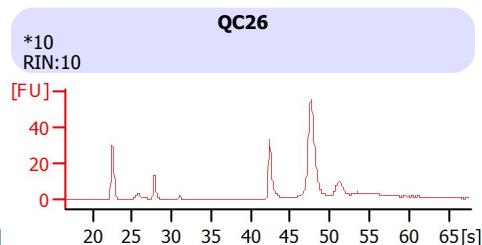
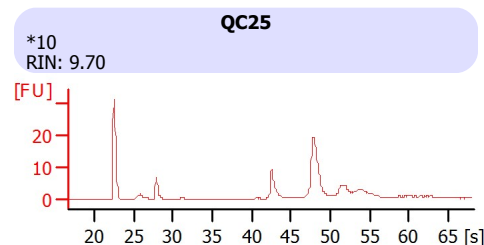
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments: Calla Telzrow



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er\2100 expert\Data\4996_s17804_hsh_2018-04-05_14-15-14.xad

Created: 4/5/2018 2:15:14 PM
Modified: 4/5/2018 2:39:08 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC25	*10	✓	RIN: 9.70	
QC26	*10	✓	RIN:10	
QC27	*10	✓	RIN:10	
QC28	*10	✓	RIN:10	
QC29	*10	✓	RIN: 2.40	
QC30	*10	✓	RIN: 2.20	
QC31	*10	✓	RIN: 8.60	
QC32	*10	✓	RIN: 1.10	
QC33	*10	✓	RIN: 9.90	
QC34	*10	✓	RIN: 9.60	
QC35	*10	✓	RIN: 9.60	
QC36	*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:\...er\2100 expert\Data\4996_s17804_hsh_2018-04-05_14-15-14.xad

Created: 4/5/2018 2:15:14 PM
Modified: 4/5/2018 2:39:08 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

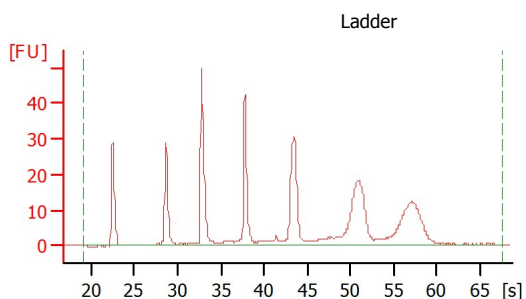
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er\2100 expert\Data\4996_s17804_hsh_2018-04-05_14-15-14.xad

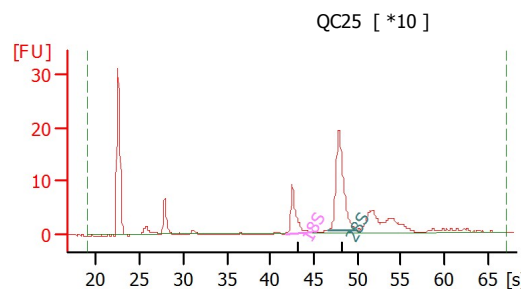
Created: 4/5/2018 2:15:14 PM
Modified: 4/5/2018 2:39:08 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 394.6
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

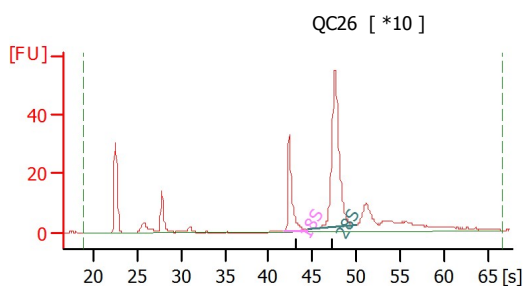


Overall Results for sample 1 : QC25

RNA Area: 109.3
RNA Concentration: 42 ng/μl
rRNA Ratio [28s / 18s]: 2.7
RNA Integrity Number (RIN): 9.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.70

Fragment table for sample 1 : QC25

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.69	44.71	14.2	13.0
28S	46.70	49.97	38.4	35.1

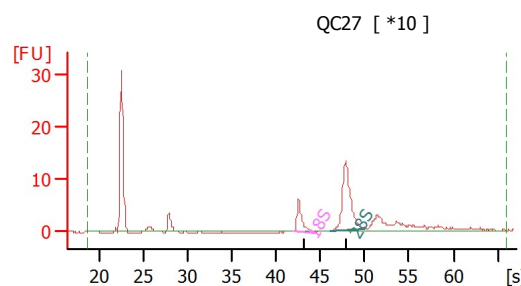


Overall Results for sample 2 : QC26

RNA Area: 266.6
RNA Concentration: 101 ng/μl
rRNA Ratio [28s / 18s]: 2.7
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 2 : QC26

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.71	44.42	40.3	15.1
28S	44.52	49.89	109.0	40.9



Overall Results for sample 3 : QC27

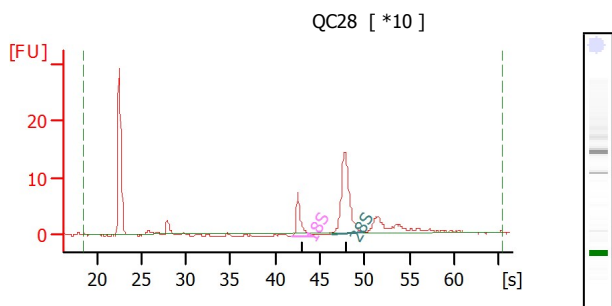
RNA Area: 71.3
RNA Concentration: 27 ng/μl
rRNA Ratio [28s / 18s]: 3.3
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 3 : QC27

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.98	44.57	8.6	12.1
28S	46.05	49.93	28.3	39.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er\2100 expert\Data\4996_s17804_hsh_2018-04-05_14-15-14.xad

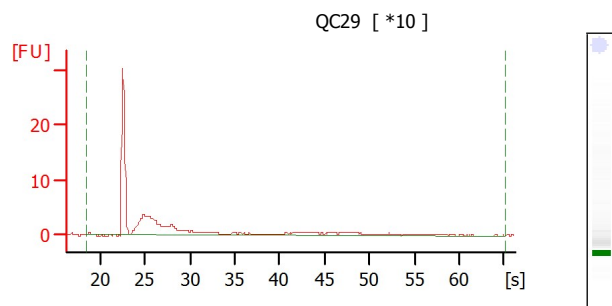
Created: 4/5/2018 2:15:14 PM
Modified: 4/5/2018 2:39:08 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : QC28**

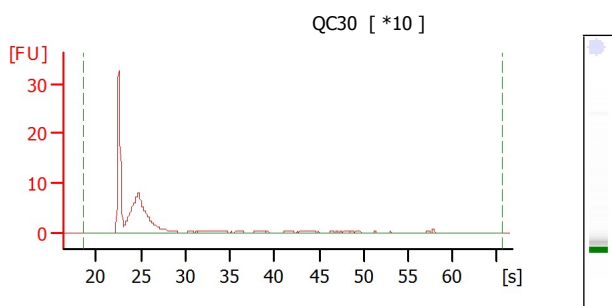
RNA Area: 54.0
RNA Concentration: 21 ng/μl
rRNA Ratio [28s / 18s]: 3.2
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 4 : QC28

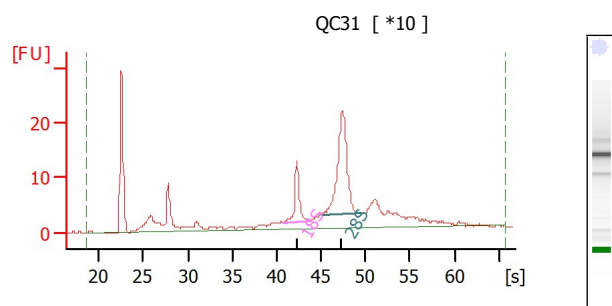
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.82	44.29	9.5	17.7
28S	46.28	49.79	30.4	56.3

**Overall Results for sample 5 : QC29**

RNA Area: 67.6
RNA Concentration: 26 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.40

**Overall Results for sample 6 : QC30**

RNA Area: 74.7
RNA Concentration: 28 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 2.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 2.20

**Overall Results for sample 7 : QC31**

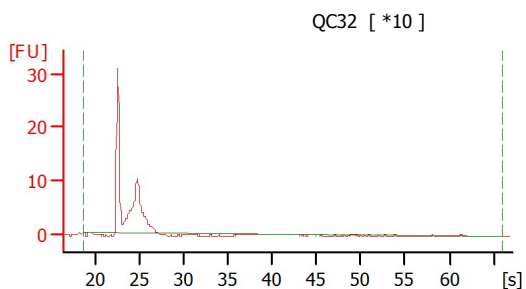
RNA Area: 204.8
RNA Concentration: 78 ng/μl
rRNA Ratio [28s / 18s]: 3.2
RNA Integrity Number (RIN): 8.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.60

Fragment table for sample 7 : QC31

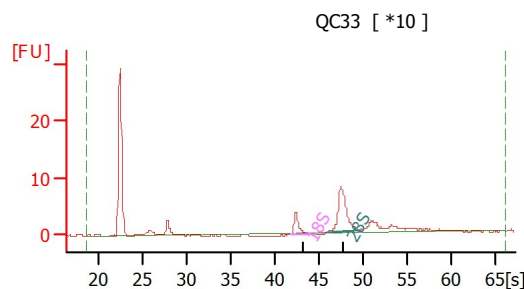
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.71	43.86	15.2	7.4
28S	45.10	49.48	48.5	23.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er\2100 expert\Data\4996_s17804_hsh_2018-04-05_14-15-14.xad

Created: 4/5/2018 2:15:14 PM
Modified: 4/5/2018 2:39:08 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : QC32**

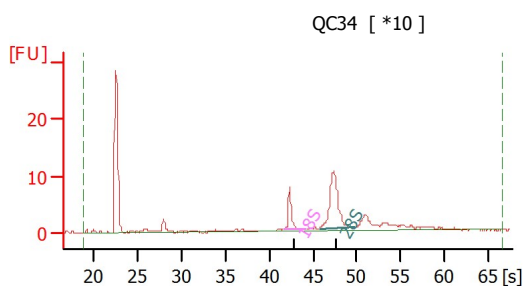
RNA Area: 56.6
RNA Concentration: 22 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 1.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 1.10

**Overall Results for sample 9 : QC33**

RNA Area: 48.4
RNA Concentration: 18 ng/μl
rRNA Ratio [28s / 18s]: 3.0
RNA Integrity Number (RIN): 9.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.90

Fragment table for sample 9 : QC33

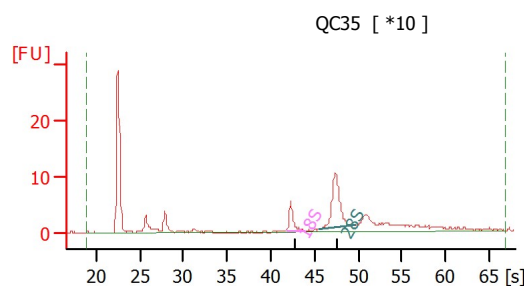
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.79	44.57	6.0	12.3
28S	45.96	49.51	17.9	36.9

**Overall Results for sample 10 : QC34**

RNA Area: 62.0
RNA Concentration: 24 ng/μl
rRNA Ratio [28s / 18s]: 2.9
RNA Integrity Number (RIN): 9.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.60

Fragment table for sample 10 : QC34

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.62	44.13	7.8	12.7
28S	45.68	49.68	23.0	37.1

**Overall Results for sample 11 : QC35**

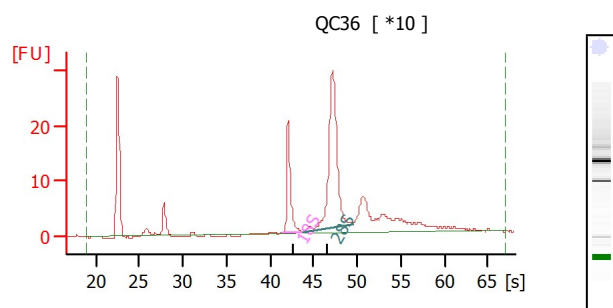
RNA Area: 76.0
RNA Concentration: 29 ng/μl
rRNA Ratio [28s / 18s]: 3.2
RNA Integrity Number (RIN): 9.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.60

Fragment table for sample 11 : QC35

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.75	43.88	6.8	8.9
28S	45.58	49.70	21.8	28.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er\2100 expert\Data\4996_s17804_hsh_2018-04-05_14-15-14.xad

Created: 4/5/2018 2:15:14 PM
Modified: 4/5/2018 2:39:08 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : QC36**

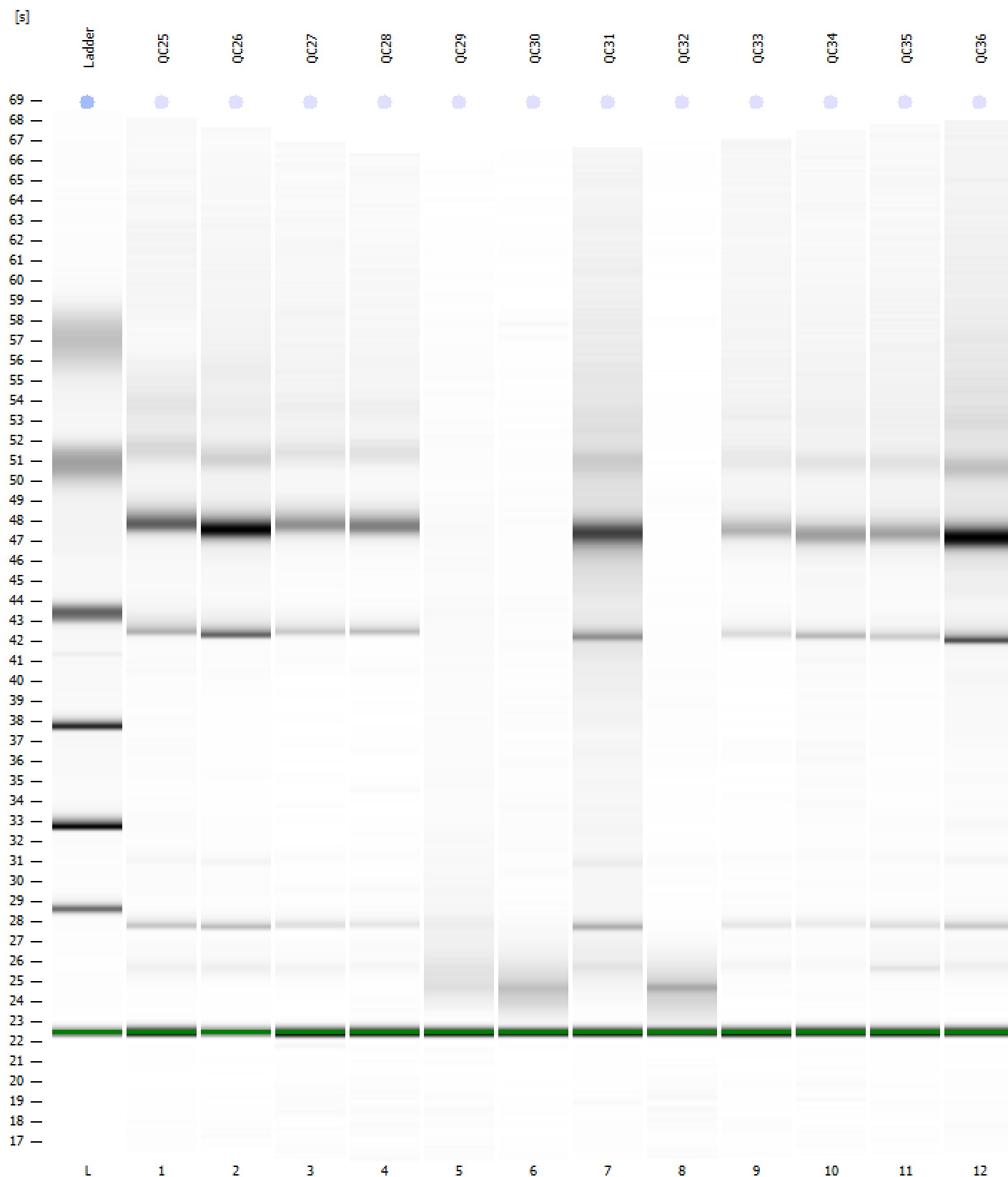
RNA Area: 166.4
RNA Concentration: 63 ng/μl
rRNA Ratio [28s / 18s]: 3.0
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 12 : QC36

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.50	43.74	21.6	13.0
28S	43.88	49.47	65.0	39.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er\2100 expert\Data\4996_s17804_hsh_2018-04-05_14-15-14.xad

Created: 4/5/2018 2:15:14 PM
Modified: 4/5/2018 2:39:08 PM

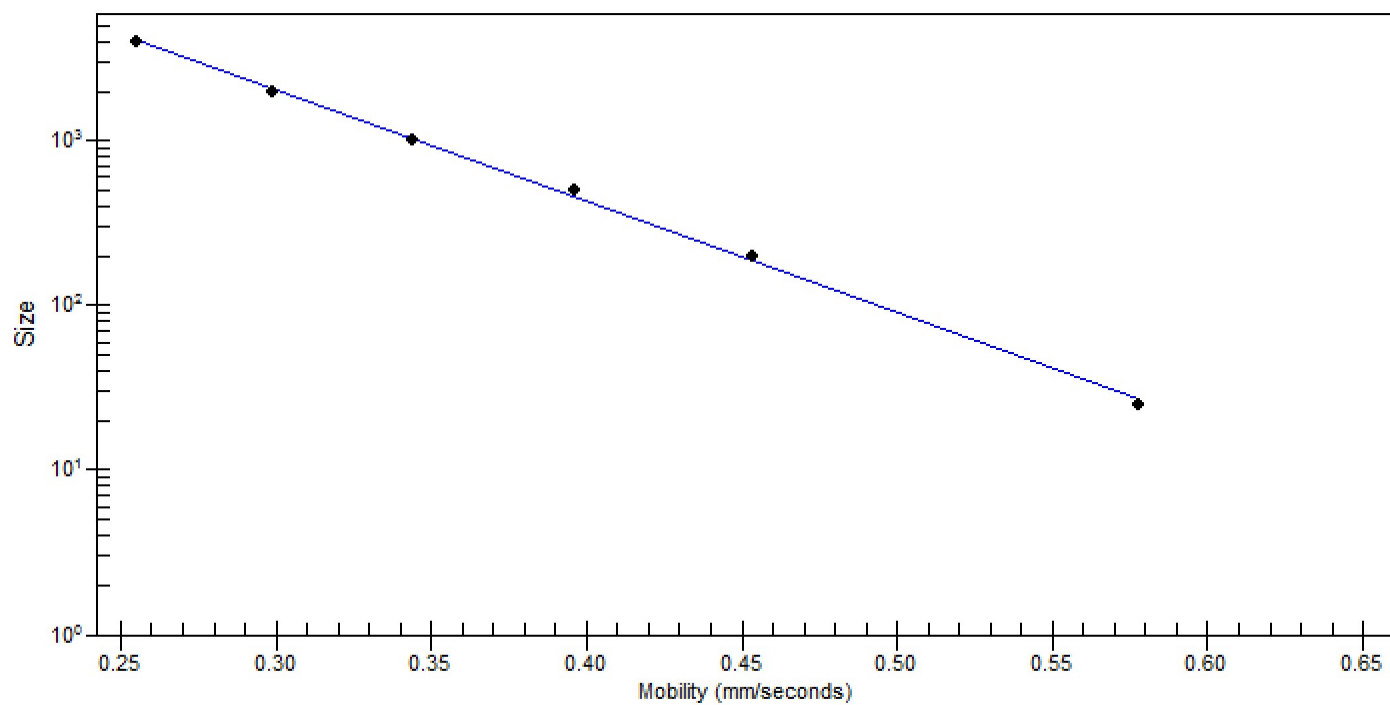
Gel Image

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er\2100 expert\Data\4996_s17804_hsh_2018-04-05_14-15-14.xad

Created: 4/5/2018 2:15:14 PM
Modified: 4/5/2018 2:39:08 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano Created: 4/5/2018 2:15:14 PM
 Data Path: C:\...er\2100 expert\Data\4996_s17804_hsh_2018-04-05_14-15-14.xad Modified: 4/5/2018 2:39:08 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		4/5/2018 2:39:05 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Run started on port 4 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\4996_s17804_hsh_2018-04-05_14-15-14.xad)		Instrument	Run		4/5/2018 2:15:20 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Product Number : G2939A		Instrument	Run		4/5/2018 2:15:20 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Name :		Instrument	Run		4/5/2018 2:15:20 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Vendor : Agilent Technologies		Instrument	Run		4/5/2018 2:15:20 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Serial# : DE72903103		Instrument	Run		4/5/2018 2:15:20 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Firmware : C.01.069		Instrument	Run		4/5/2018 2:15:20 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight
Cartridge : Electrode		Instrument	Run		4/5/2018 2:15:19 PM	(GMT --04:00) Eastern Standard Time	cgtuser	GenePixRight