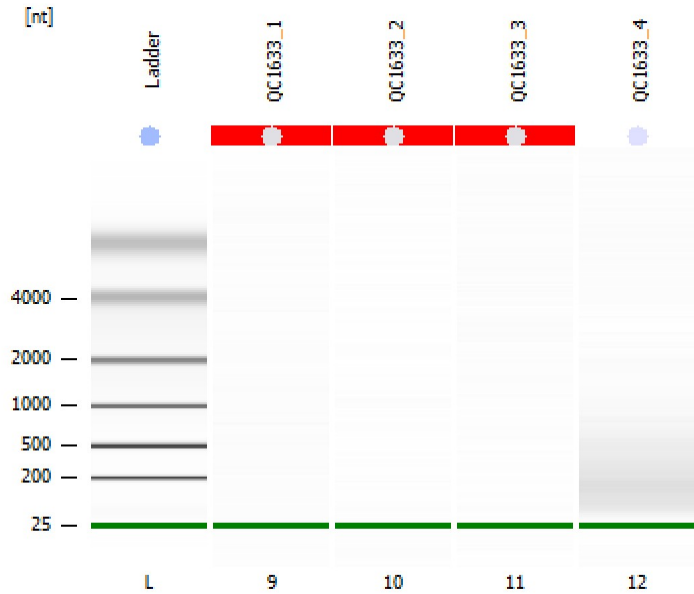


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1633\_1-4.xad

Created: 10/17/2023 3:35:10 PM  
Modified: 10/17/2023 4:11:31 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

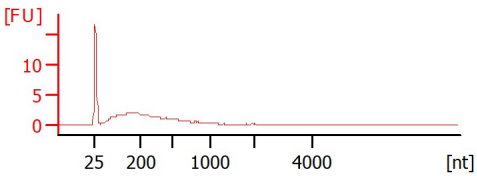
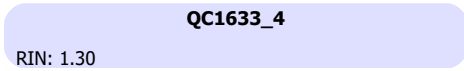
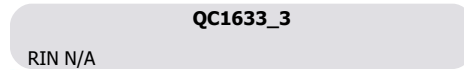
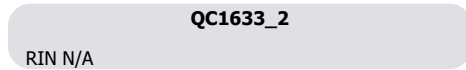
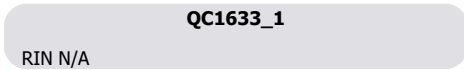
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

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:



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1633\_1-4.xad

Created: 10/17/2023 3:35:10 PM  
 Modified: 10/17/2023 4:11:31 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1633_1		✓	RIN N/A	
QC1633_2		✓	RIN N/A	
QC1633_3		✓	RIN N/A	
QC1633_4		✓	RIN: 1.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1633\_1-4.xad

Created: 10/17/2023 3:35:10 PM  
Modified: 10/17/2023 4:11:31 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/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ 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

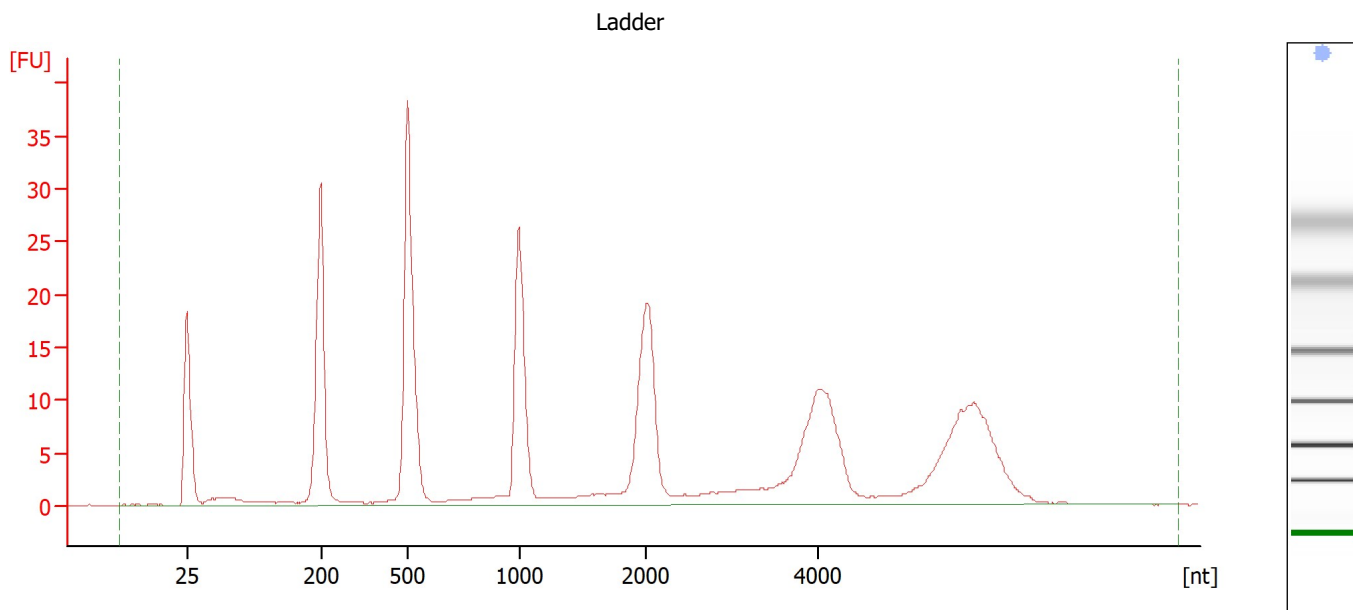
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1633\_1-4.xad

Created: 10/17/2023 3:35:10 PM  
Modified: 10/17/2023 4:11:31 PM

**Electropherogram Summary**



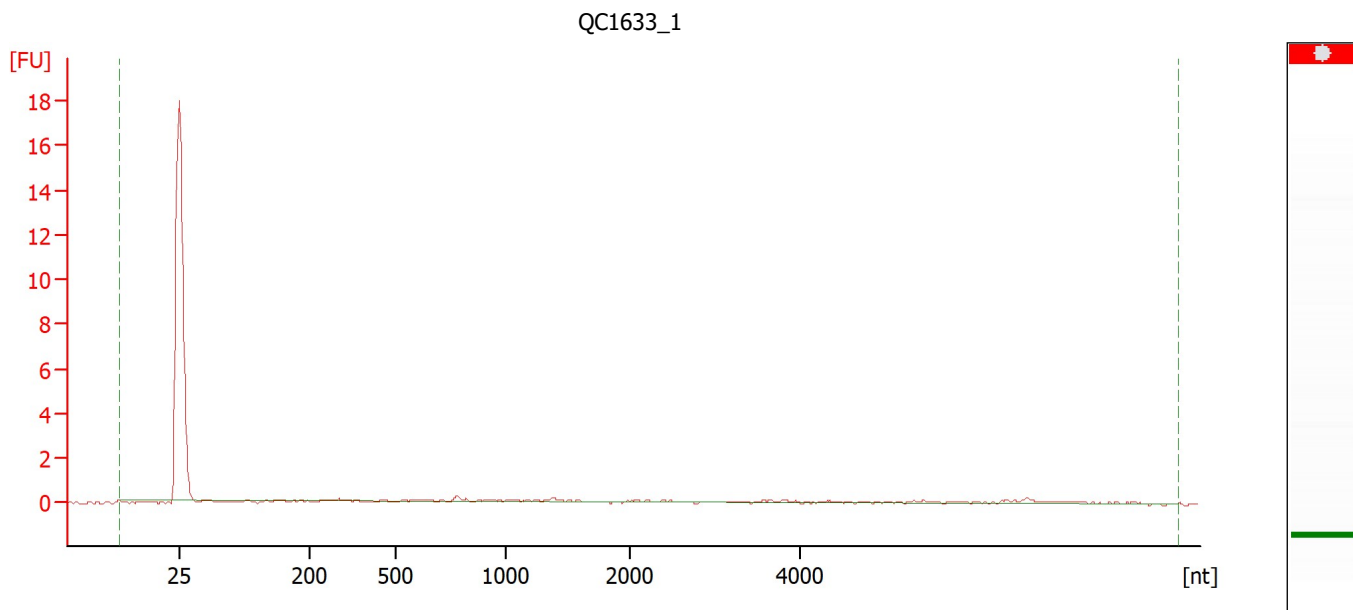
**Overall Results for Ladder**

RNA Area:	308.2	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1633\_1-4.xad

Created: 10/17/2023 3:35:10 PM  
 Modified: 10/17/2023 4:11:31 PM

**Electropherogram Summary Continued ...**



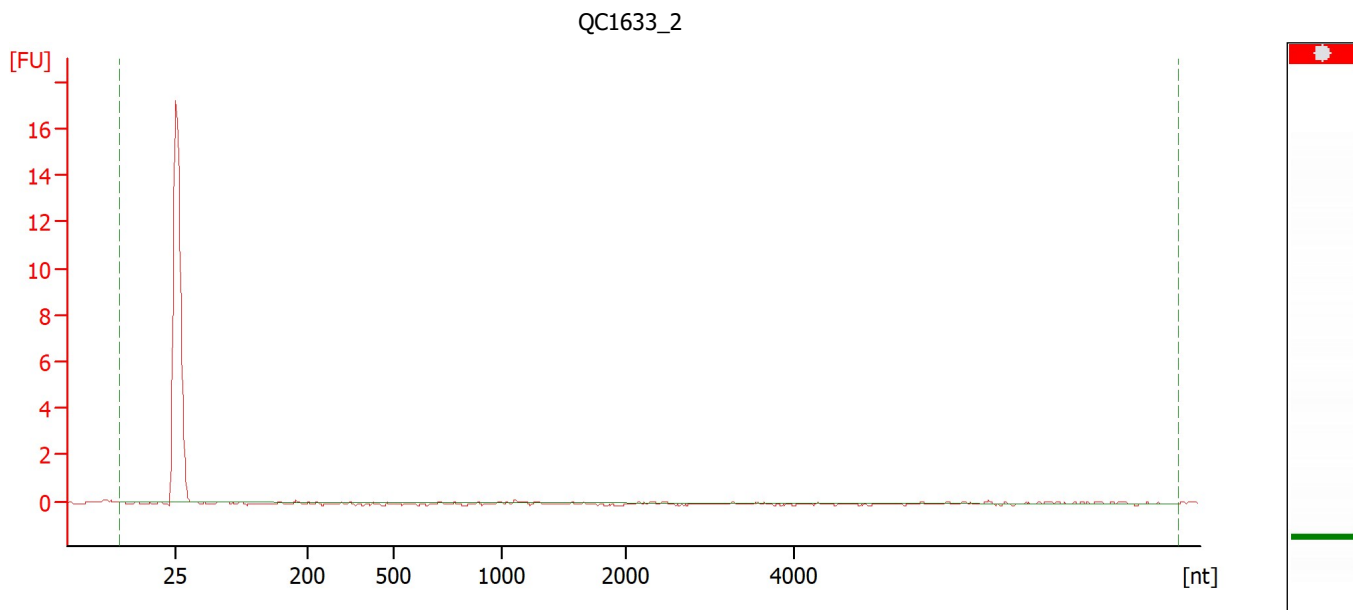
**Overall Results for sample 9 : QC1633\_1**

RNA Area:	4.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	2 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1633\_1-4.xad

Created: 10/17/2023 3:35:10 PM  
 Modified: 10/17/2023 4:11:31 PM

**Electropherogram Summary Continued ...**



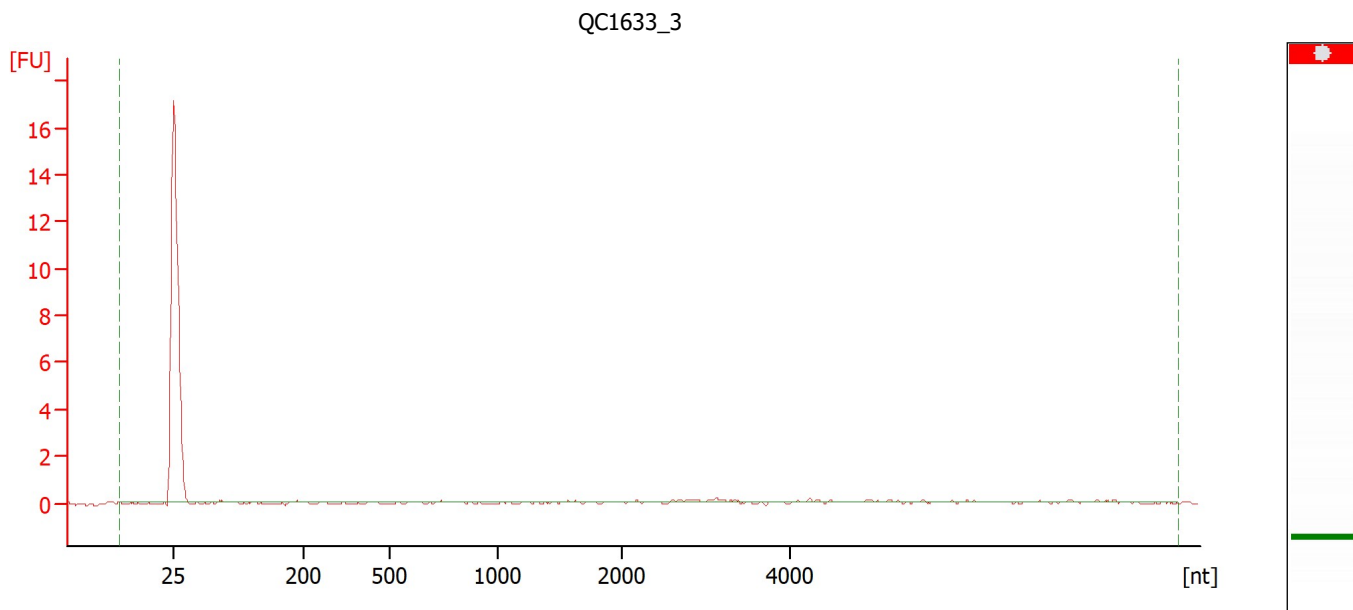
**Overall Results for sample 10 : QC1633\_2**

RNA Area:	0.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	0 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1633\_1-4.xad

Created: 10/17/2023 3:35:10 PM  
 Modified: 10/17/2023 4:11:31 PM

**Electropherogram Summary Continued ...**



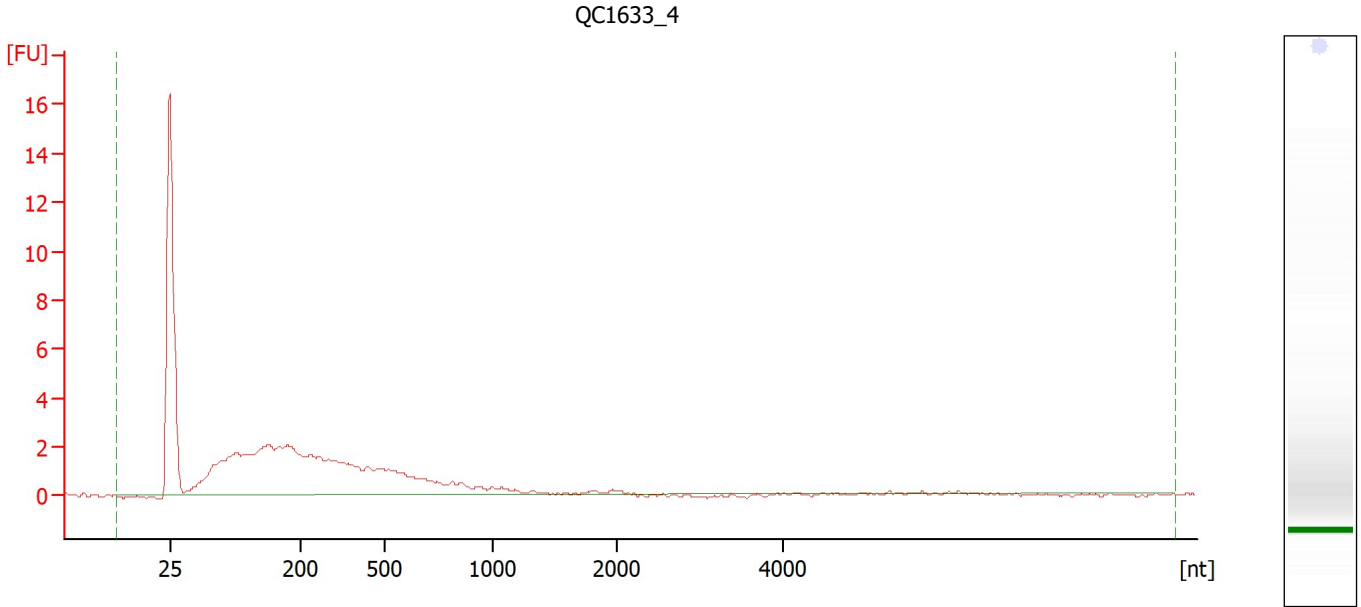
**Overall Results for sample 11 : QC1633\_3**

RNA Area:	1.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	1 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1633\_1-4.xad

Created: 10/17/2023 3:35:10 PM  
Modified: 10/17/2023 4:11:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : QC1633\_4**

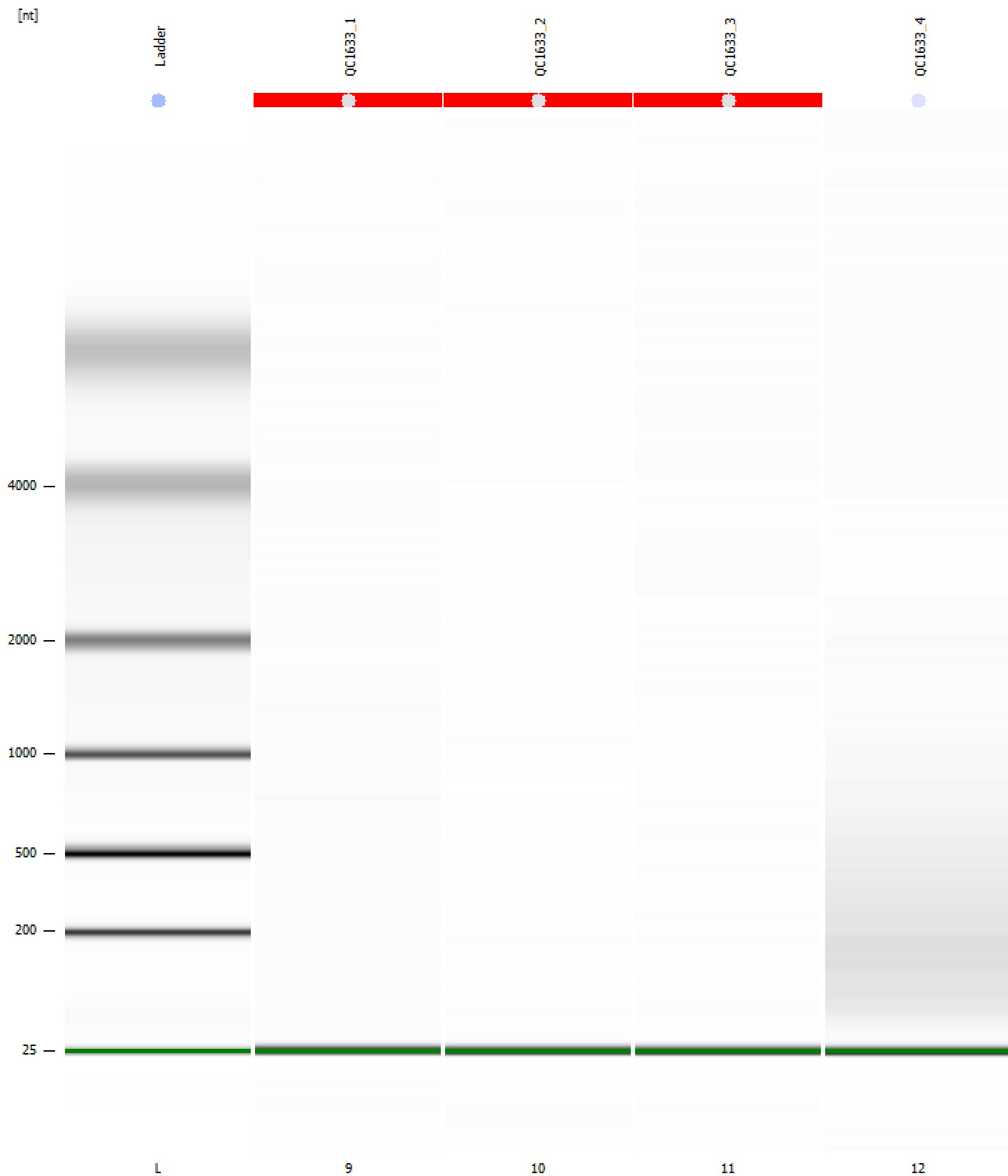
RNA Area:	58.6	RNA Integrity Number (RIN):	1.3 (B.02.10)
RNA Concentration:	29 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1633\_1-4.xad

Created: 10/17/2023 3:35:10 PM  
Modified: 10/17/2023 4:11:31 PM

**Gel Image**

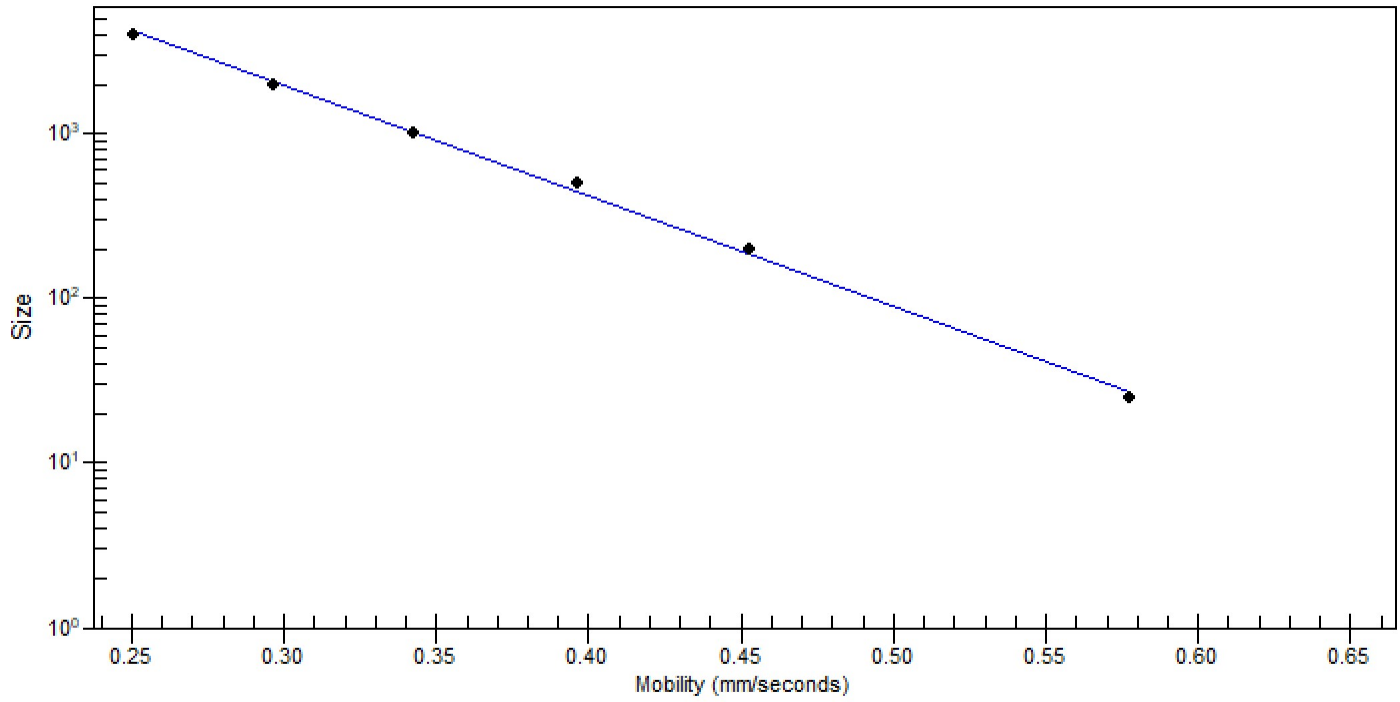


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1633\_1-4.xad

Created: 10/17/2023 3:35:10 PM  
Modified: 10/17/2023 4:11:31 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1633\_1-4.xad

Created: 10/17/2023 3:35:10 PM  
 Modified: 10/17/2023 4:11:31 PM

**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		10/17/2023 3:59:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-17\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2023-10-17_001.xad)		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB