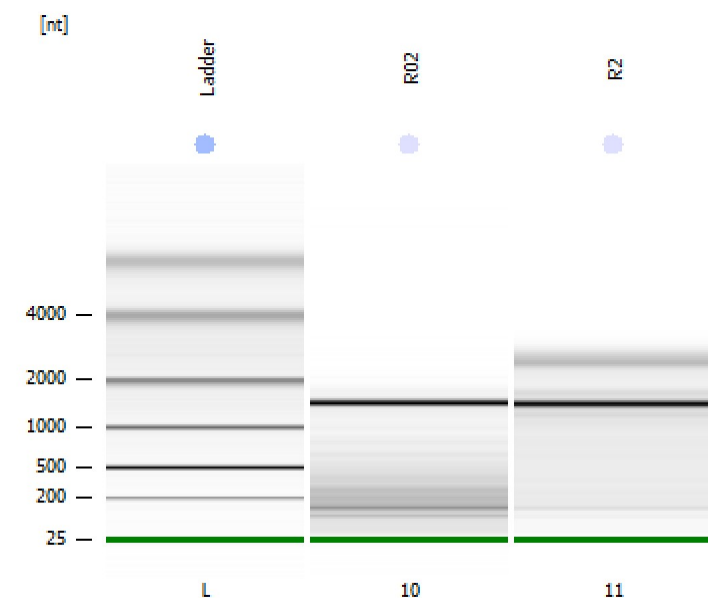


Assay Class: Plant RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2025-09-26\QC2311_1-2.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:49 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\Plant RNA Pico.xsy

Assay Class: Plant RNA Pico

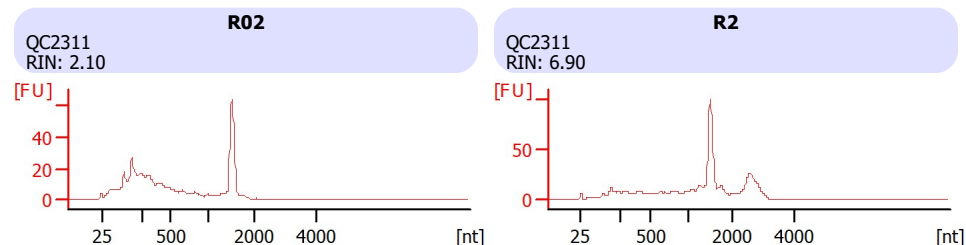
Version: 1.3

Assay Comments: Total RNA Analysis pg sensitivity (Plant)

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Chip Information:

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



Assay Class: Plant RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2025-09-26\QC2311_1-2.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
R02	QC2311	✓	RIN: 2.10	
R2	QC2311	✓	RIN: 6.90	
Ladder		✓	All Other Samples	

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

Assay Class: Plant RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2025-09-26\QC2311_1-2.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:49 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 18

End Analysis Time Range [s] : 69

Ladder Concentration [pg/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ 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] : 18

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.3

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

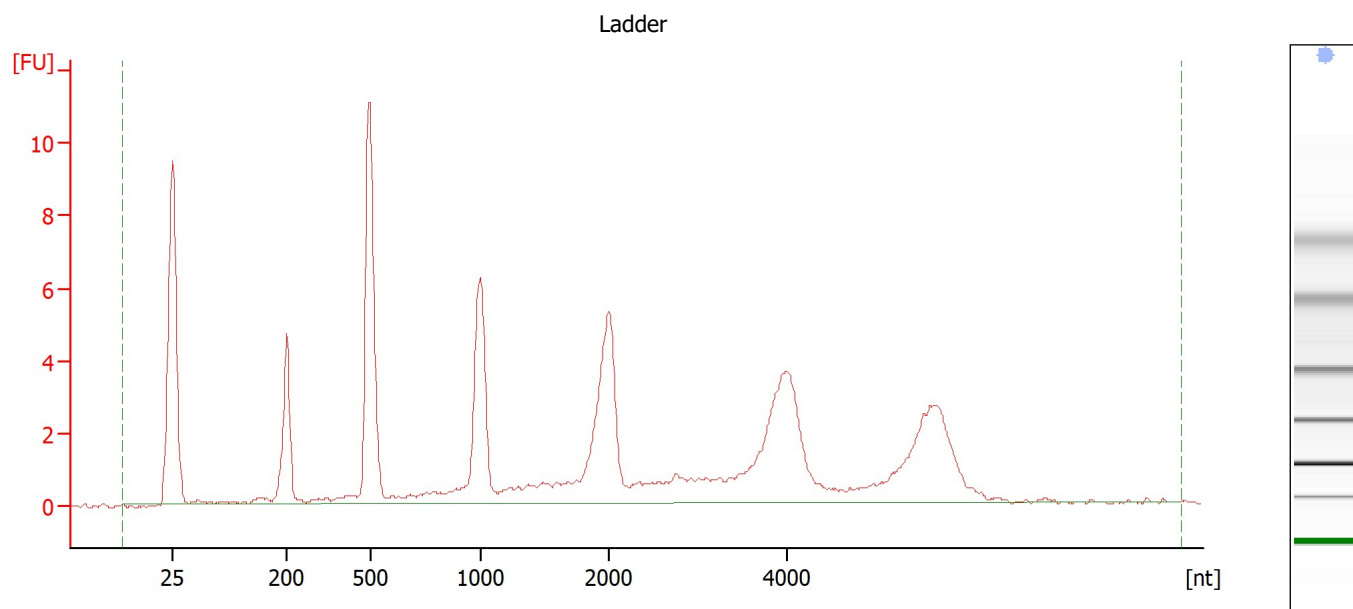
Ladder

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

Assay Class: Plant RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2025-09-26\QC2311_1-2.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:49 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 90.0

Result Flagging Color:



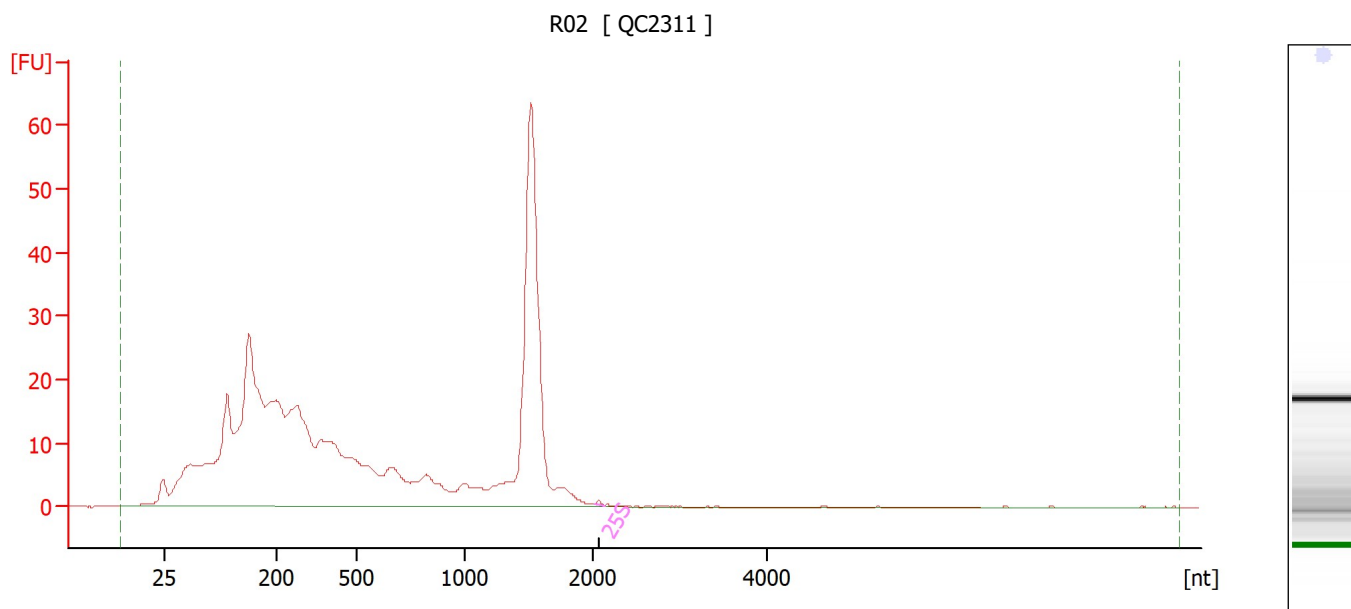
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Plant RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2025-09-26\QC2311_1-2.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:49 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : R02**

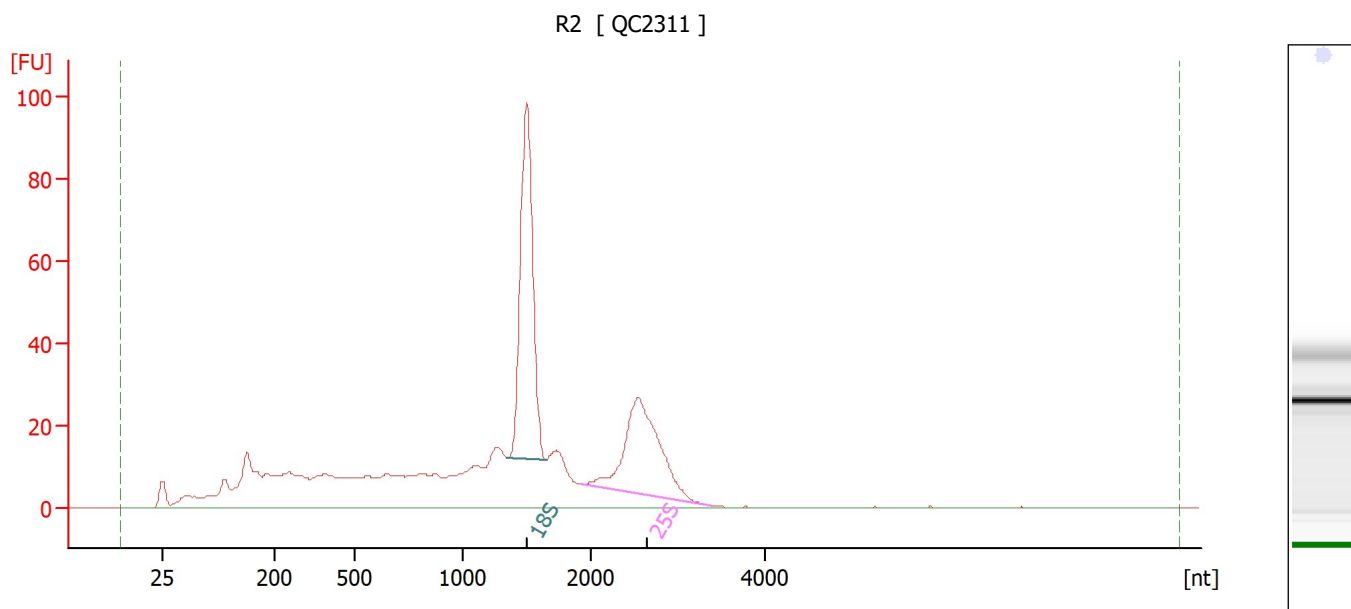
RNA Area:	606.0	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	6,734 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Fragment table for sample 10 : R02

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	2,018	2,141	0.4	0.1

Assay Class: Plant RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2025-09-26\QC2311_1-2.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:49 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : R2**

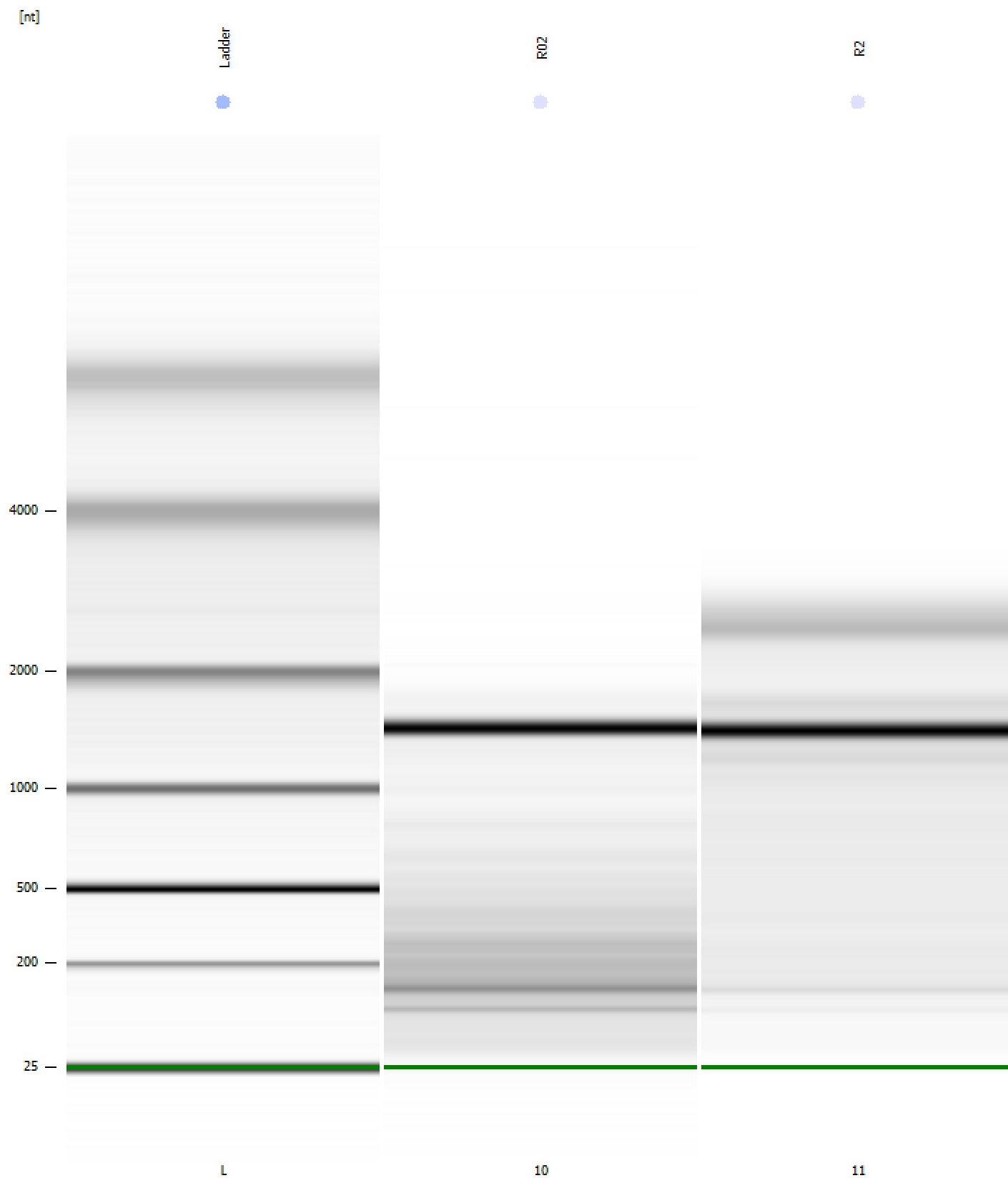
RNA Area:	786.6	RNA Integrity Number (RIN):	6.9 (B.02.10)
RNA Concentration:	8,740 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.7	Result Flagging Label:	RIN: 6.90

Fragment table for sample 11 : R2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,347	1,650	151.4	19.2
25S	1,928	3,404	102.0	13.0

Assay Class: Plant RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2025-09-26\QC2311_1-2.xad

Created: 9/26/2025 2:19:59 PM
Modified: 9/26/2025 3:32:49 PM

Gel Image

Assay Class: Plant RNA Pico
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2025-09-26\QC2311_1-2.xad

Created: 9/26/2025 2:19:59 PM
 Modified: 9/26/2025 3:32:49 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		9/26/2025 2:43:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-09-26\Bioanalyzer1_Plant RNA Pico_DE34903152_2025-09-26_Product Number : G2938C		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Name :		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Vendor : Agilent Technologies		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Serial# : DE34903152		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Firmware : C.01.069		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Cartridge : Electrode		Instrument	Run		9/26/2025 2:20:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB