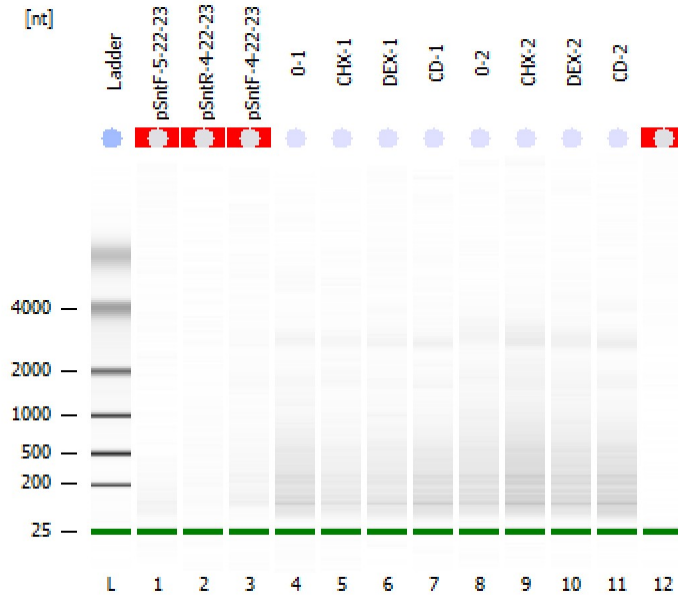


Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

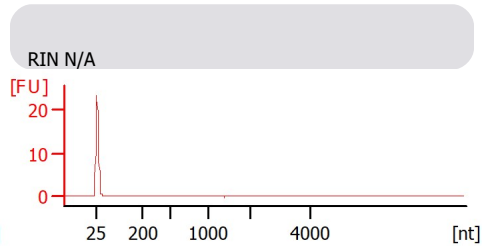
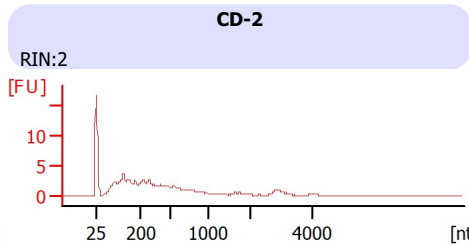
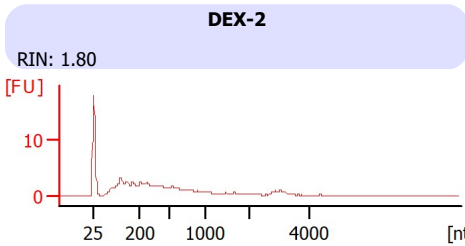
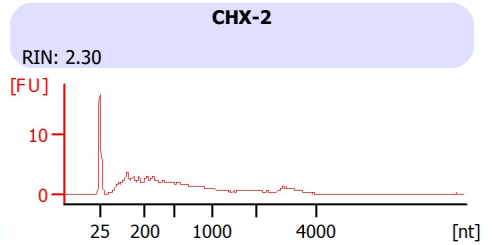
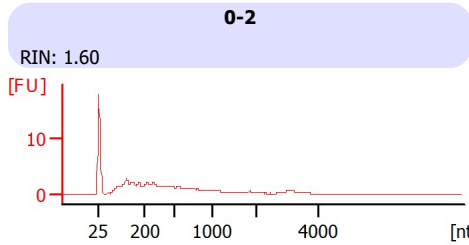
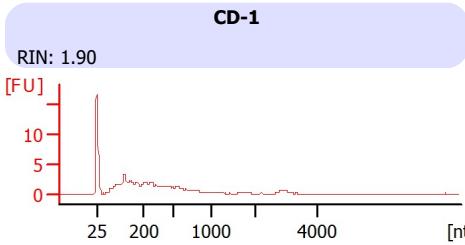
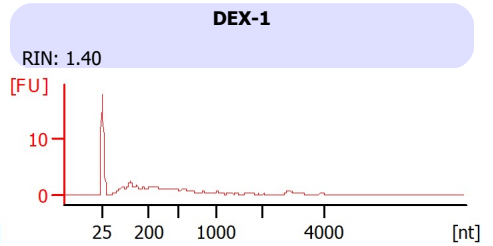
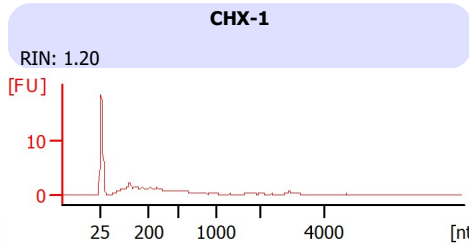
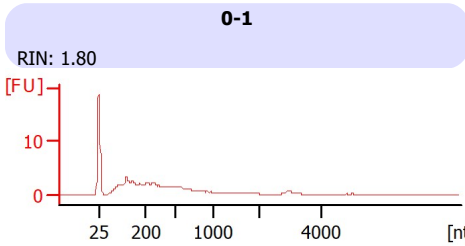
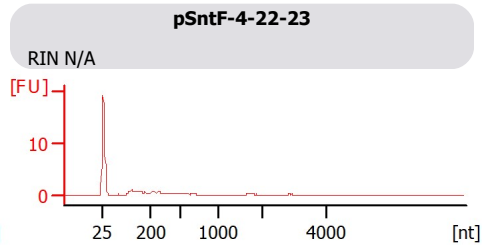
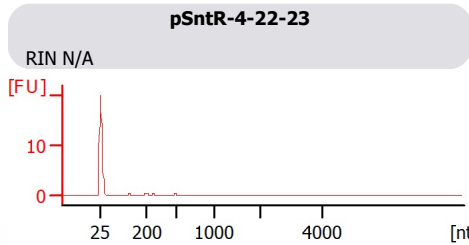
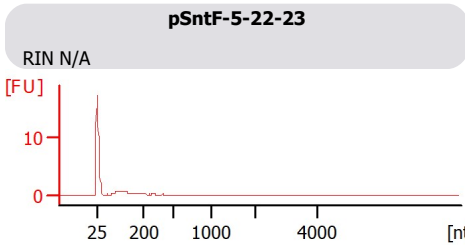
Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Nano.xsy

Assay Class: Plant RNA Nano
 Version: 1.3
 Assay Comments: Total RNA Analysis ng sensitivity (Plant)

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Chip Information:

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



Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
pSntF-5-22-23		✓	RIN N/A	
pSntR-4-22-23		✓	RIN N/A	
pSntF-4-22-23		✓	RIN N/A	
0-1		✓	RIN: 1.80	
CHX-1		✓	RIN: 1.20	
DEX-1		✓	RIN: 1.40	
CD-1		✓	RIN: 1.90	
0-2		✓	RIN: 1.60	
CHX-2		✓	RIN: 2.30	
DEX-2		✓	RIN: 1.80	
CD-2		✓	RIN:2	
Ladder		✓	RIN N/A	
		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 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] : 0.2
 Area Threshold : 0.1
 Width Threshold [s] : 0.2
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

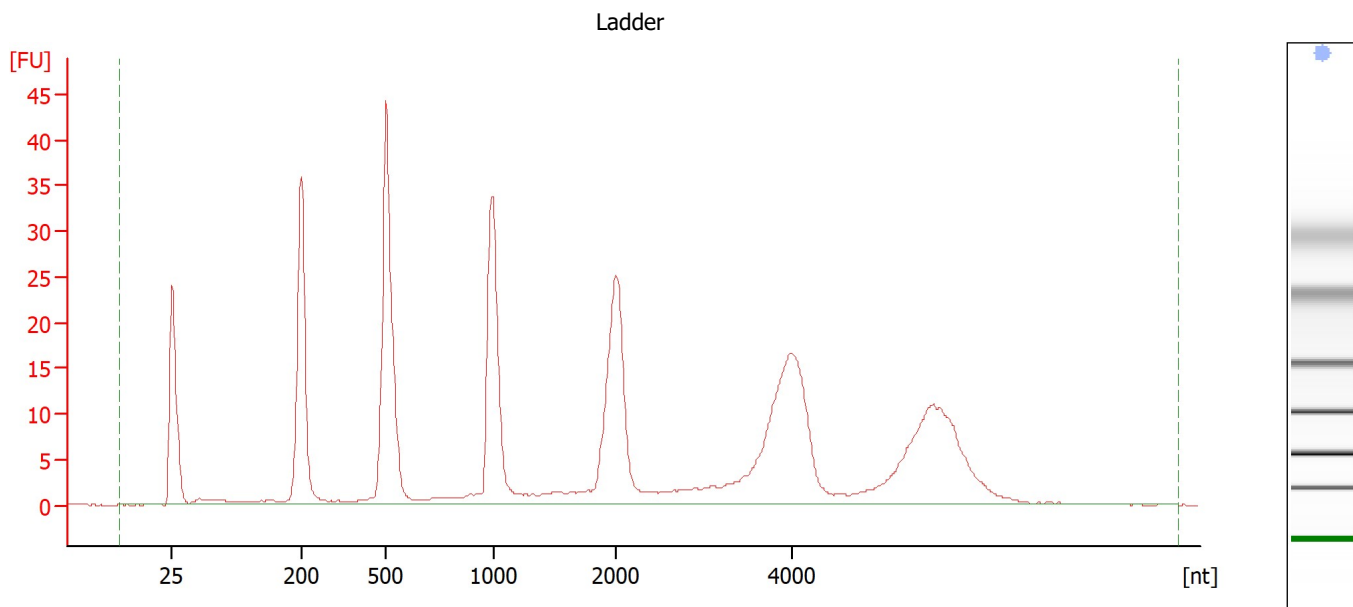
Ladder

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

Assay Class: Plant RNA Nano
Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary



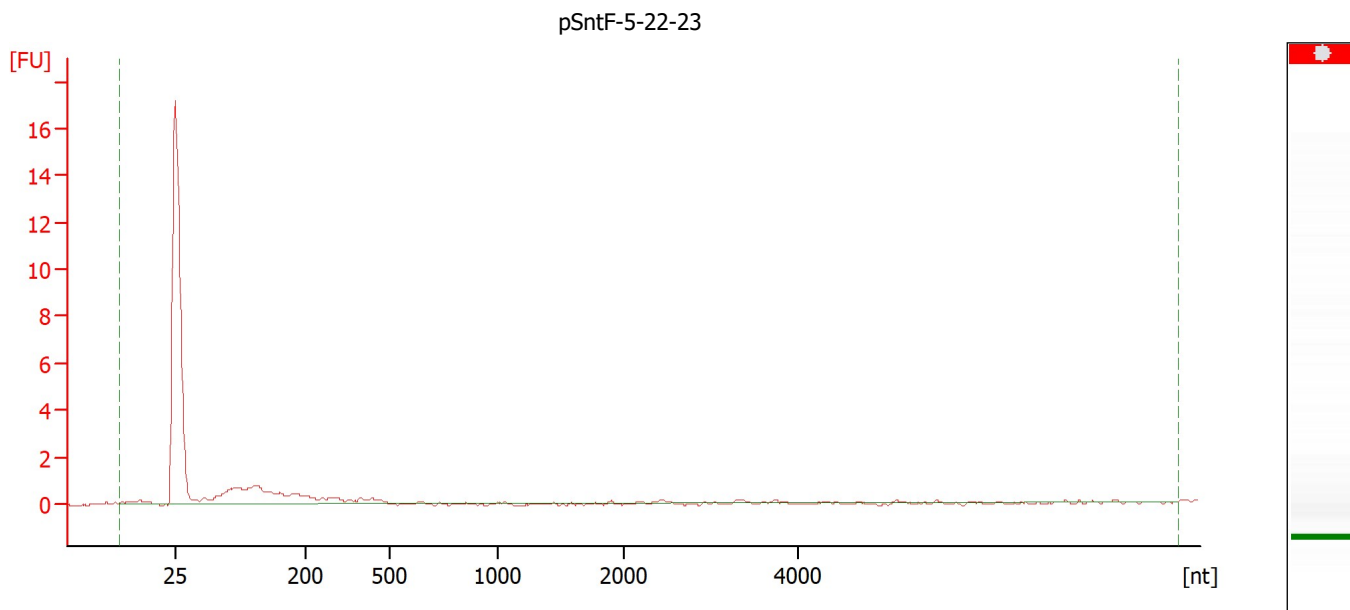
Overall Results for Ladder

RNA Area:	409.8	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...



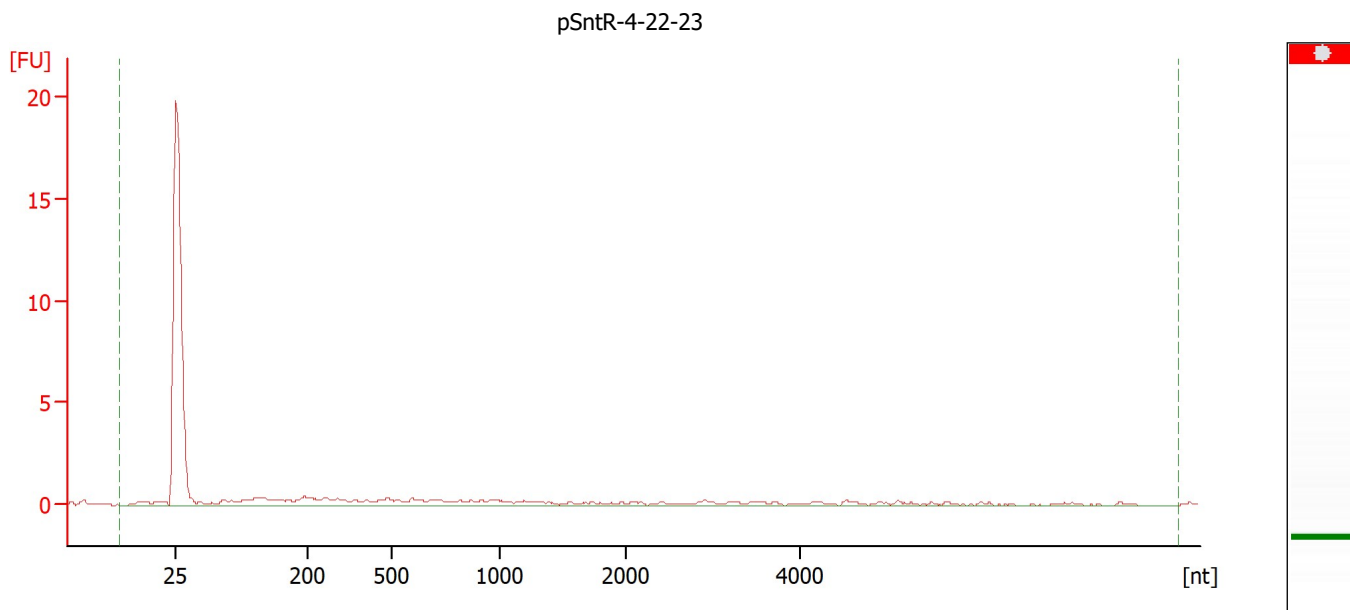
Overall Results for sample 1 : pSntF-5-22-23

RNA Area:	12.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...



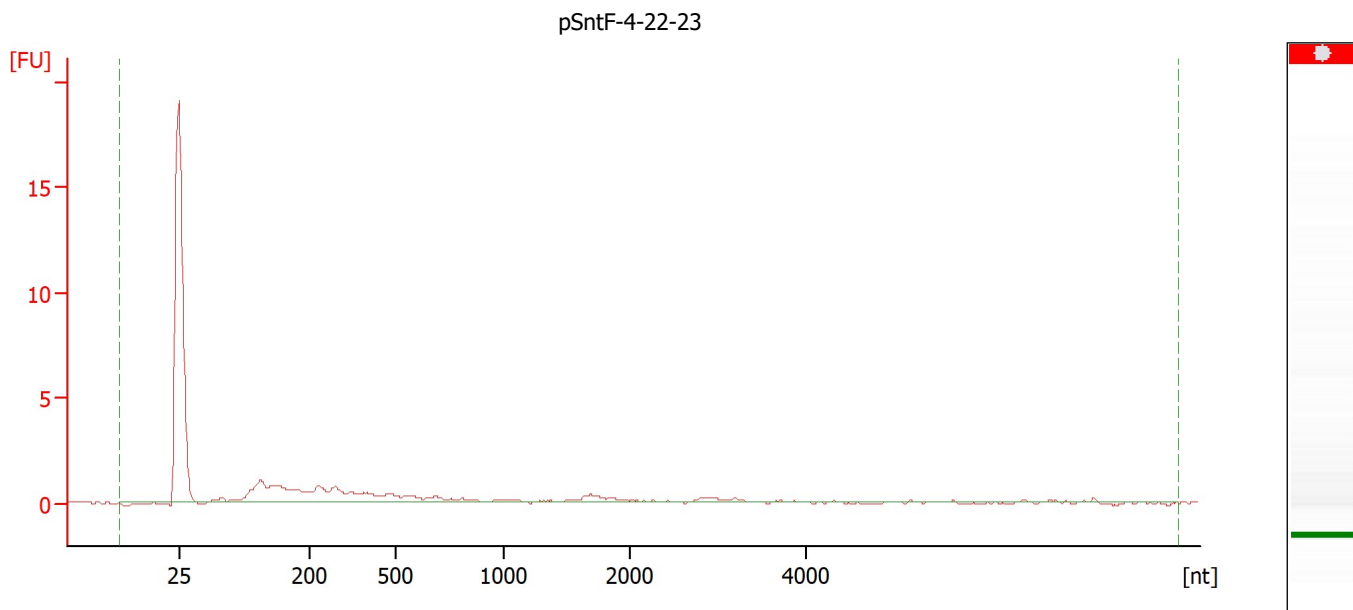
Overall Results for sample 2 : pSntR-4-22-23

RNA Area:	18.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	7 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...



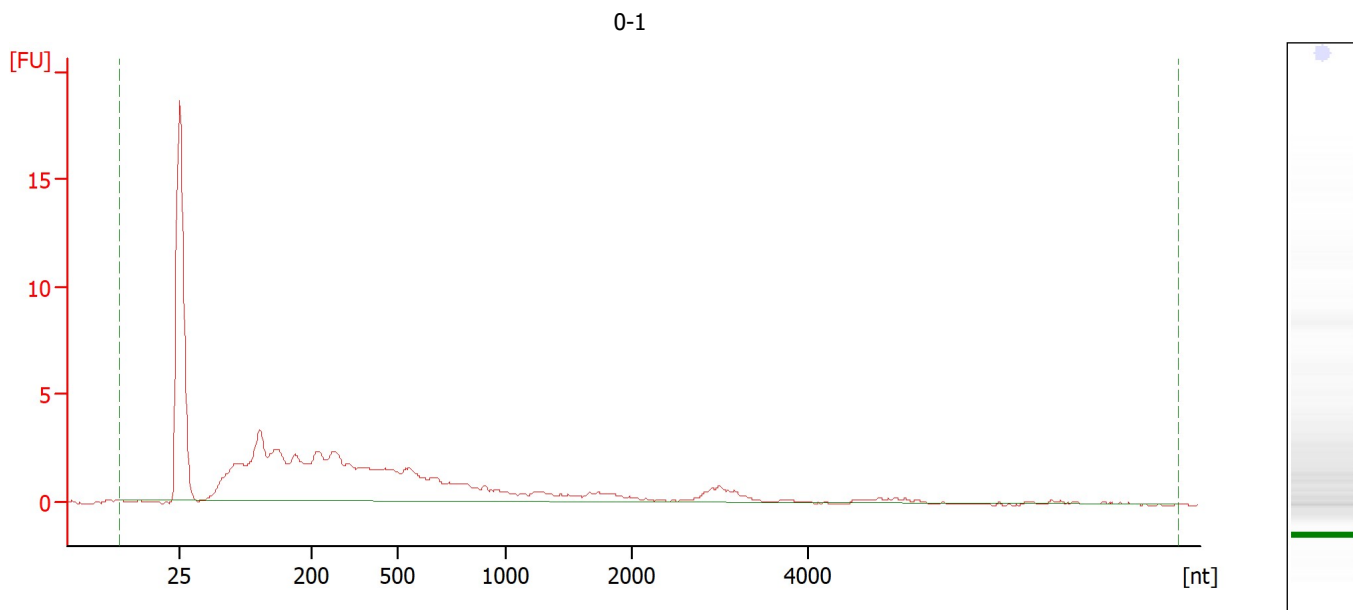
Overall Results for sample 3 : pSntF-4-22-23

RNA Area:	22.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	8 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...



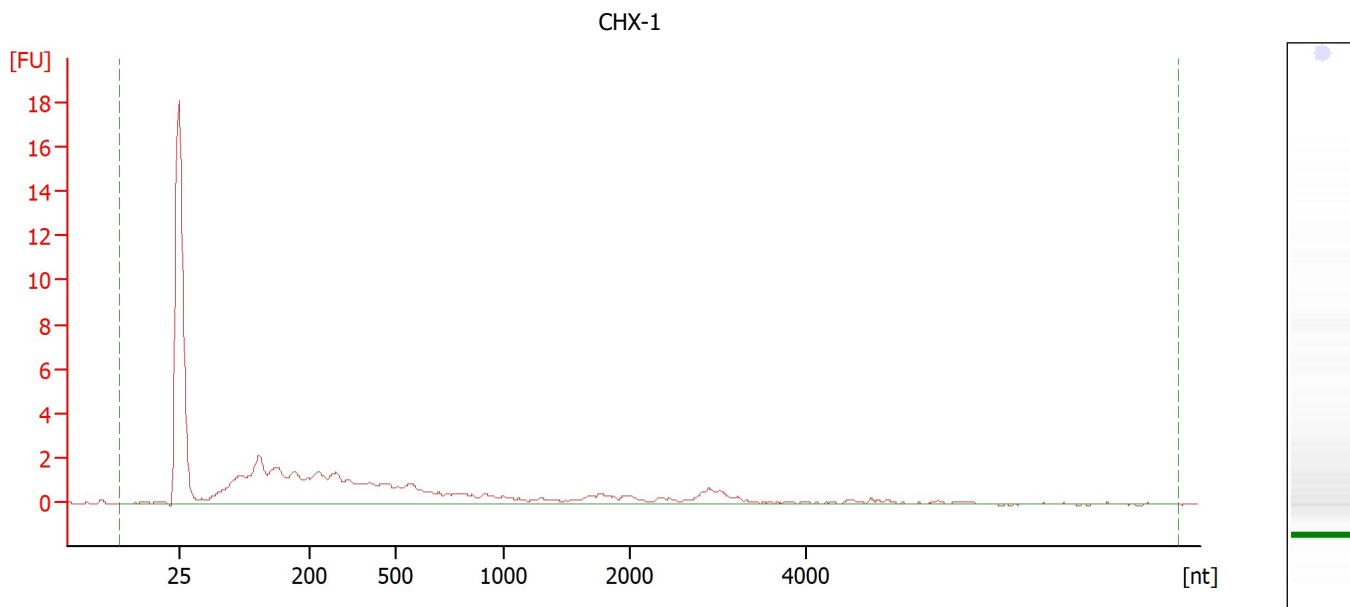
Overall Results for sample 4 : 0-1

RNA Area:	78.4	RNA Integrity Number (RIN):	1.8 (B.02.10)
RNA Concentration:	29 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Plant RNA Nano
Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...



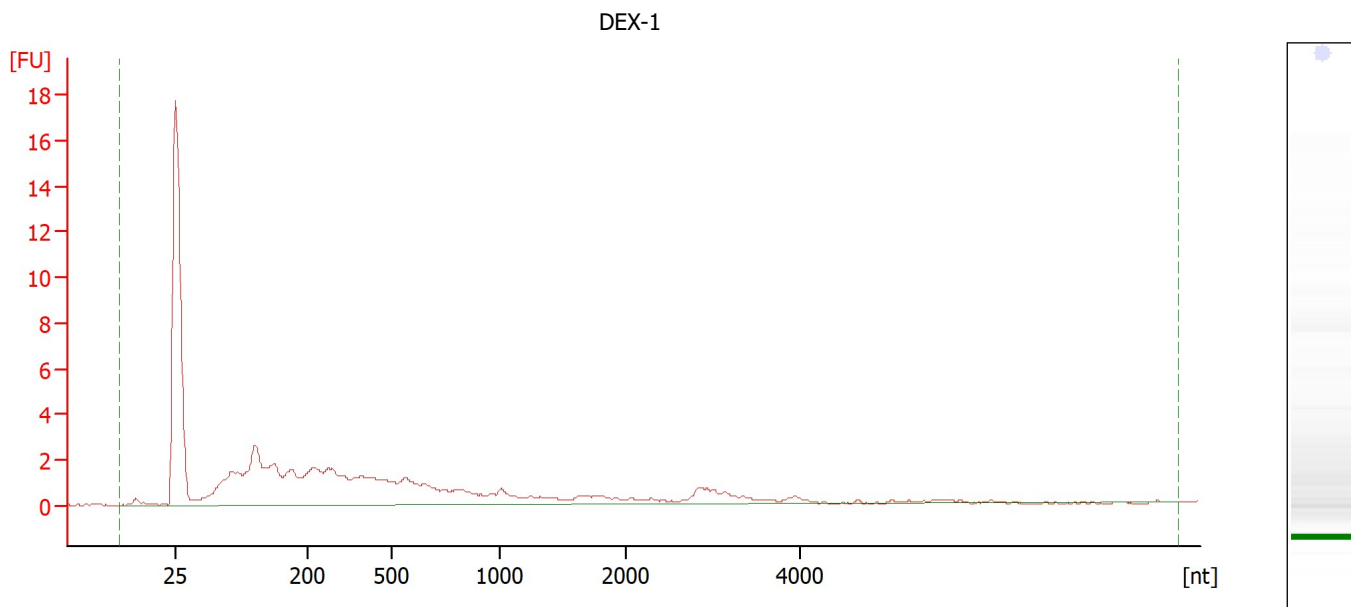
Overall Results for sample 5 : CHX-1

RNA Area:	55.4	RNA Integrity Number (RIN):	1.2 (B.02.10)
RNA Concentration:	20 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Assay Class: Plant RNA Nano
Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...



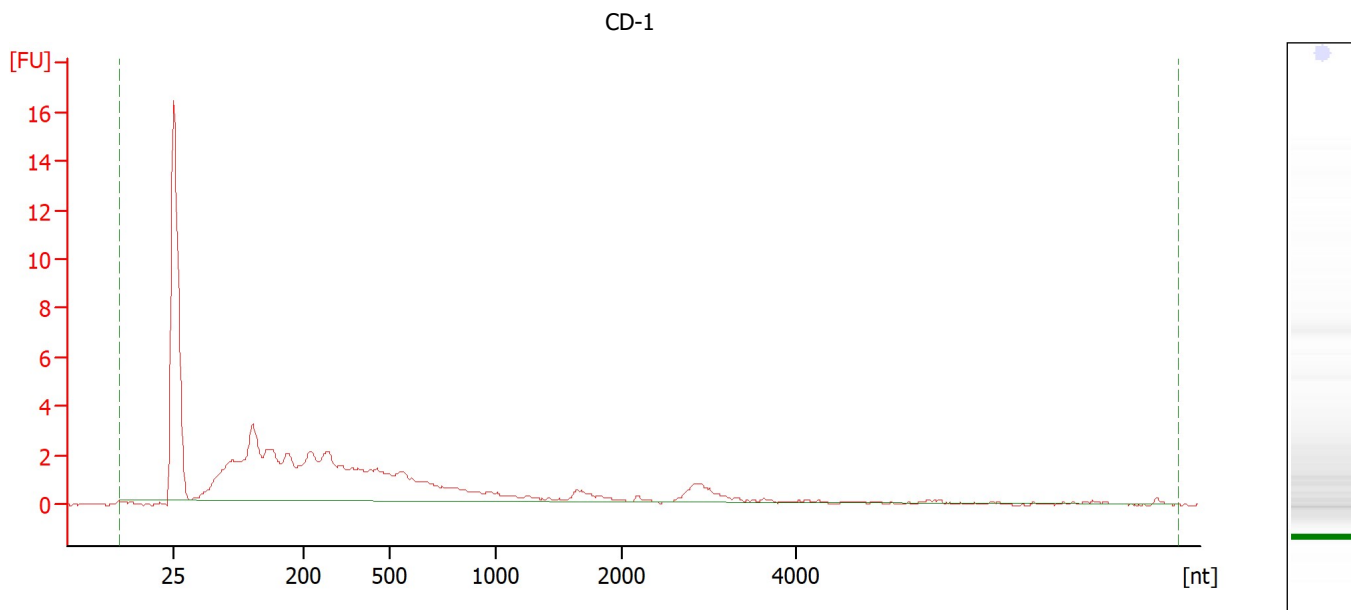
Overall Results for sample 6 : DEX-1

RNA Area:	65.4	RNA Integrity Number (RIN):	1.4 (B.02.10)
RNA Concentration:	24 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : CD-1

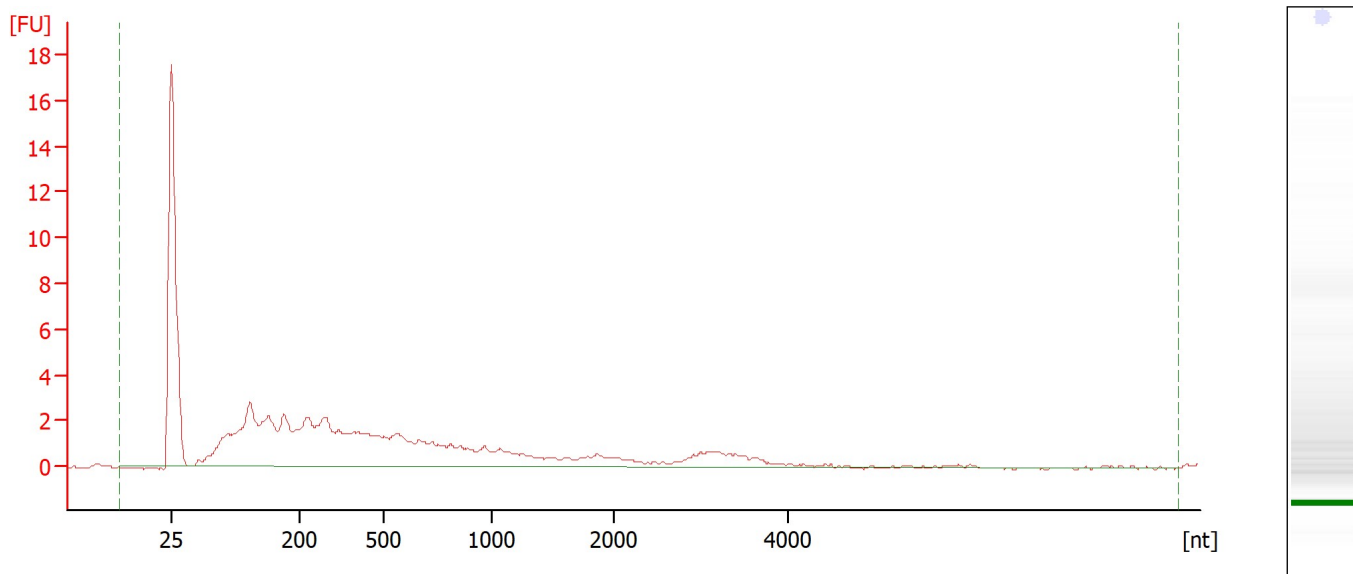
RNA Area:	66.8	RNA Integrity Number (RIN):	1.9 (B.02.10)
RNA Concentration:	24 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...

0-2



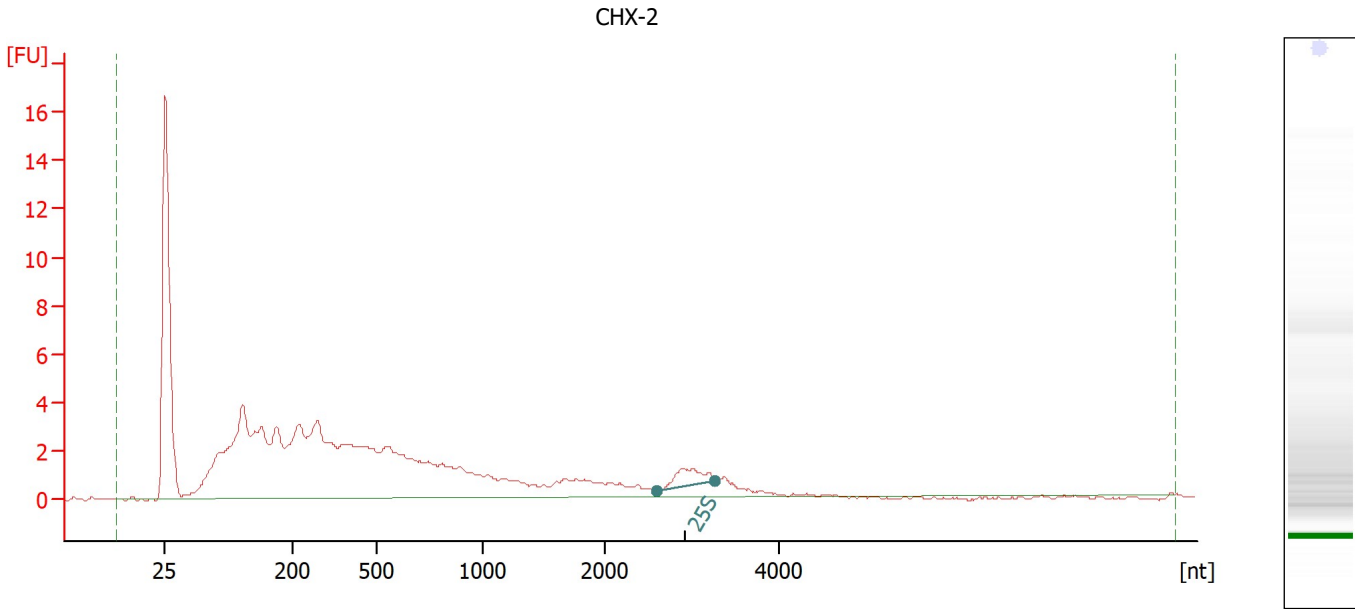
Overall Results for sample 8 : 0-2

RNA Area:	81.2	RNA Integrity Number (RIN):	1.6 (B.02.10)
RNA Concentration:	30 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.60

Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : CHX-2

RNA Area:	110.1	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	40 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

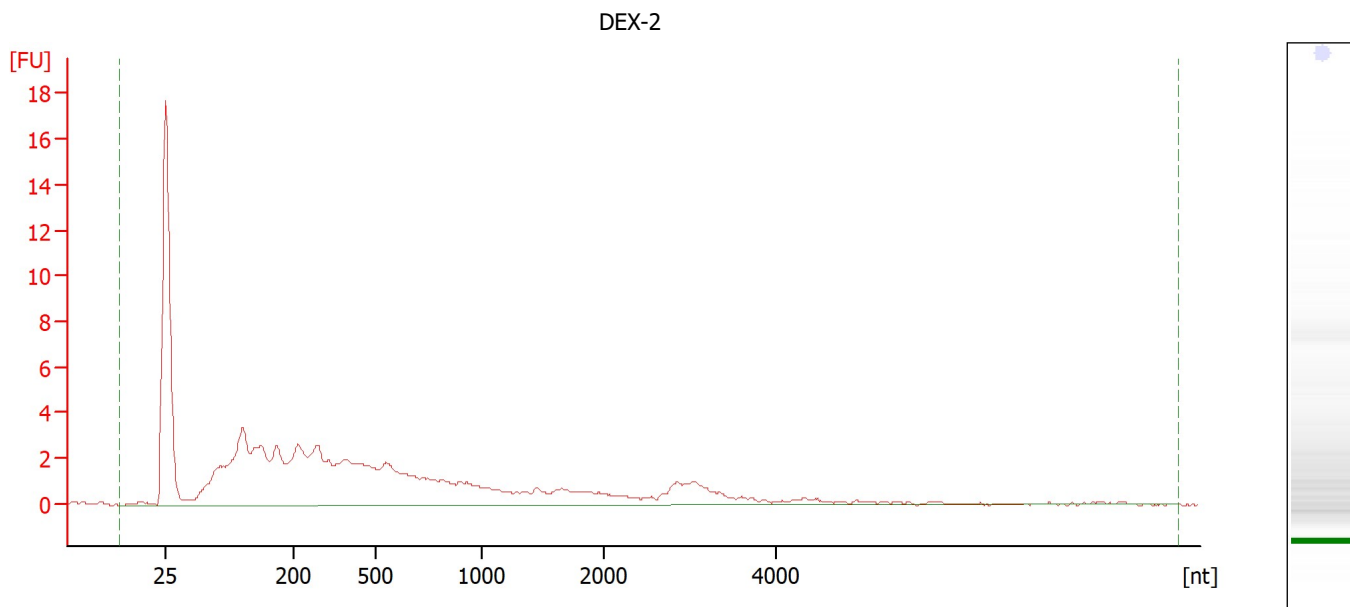
Fragment table for sample 9 : CHX-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
25S	2,604	3,272	2.3	2.1

Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...



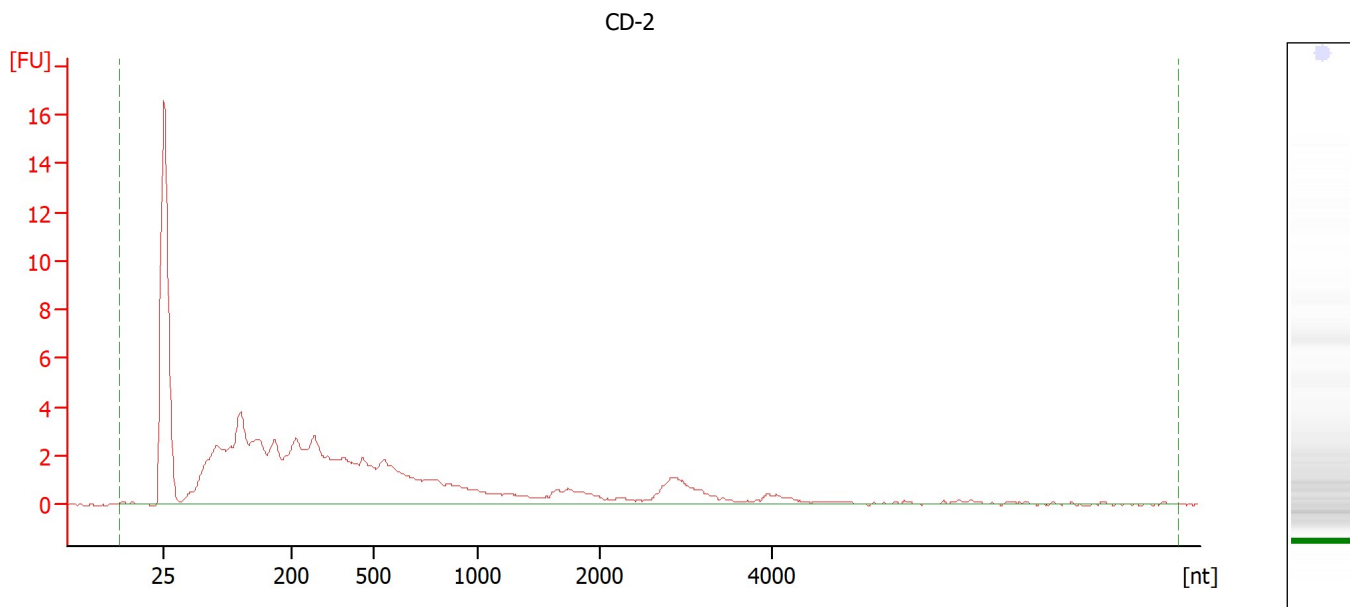
Overall Results for sample 10 : DEX-2

RNA Area:	99.0	RNA Integrity Number (RIN):	1.8 (B.02.10)
RNA Concentration:	36 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Plant RNA Nano
Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...



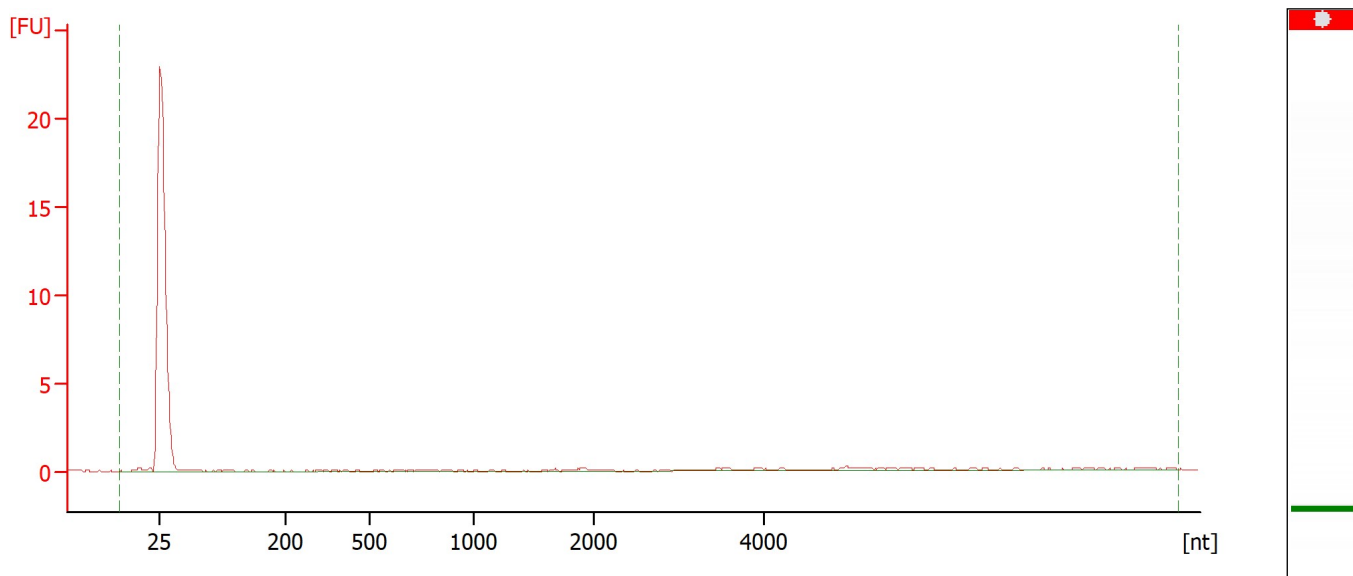
Overall Results for sample 11 : CD-2

RNA Area:	97.2	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	36 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 PM

Electropherogram Summary Continued ...



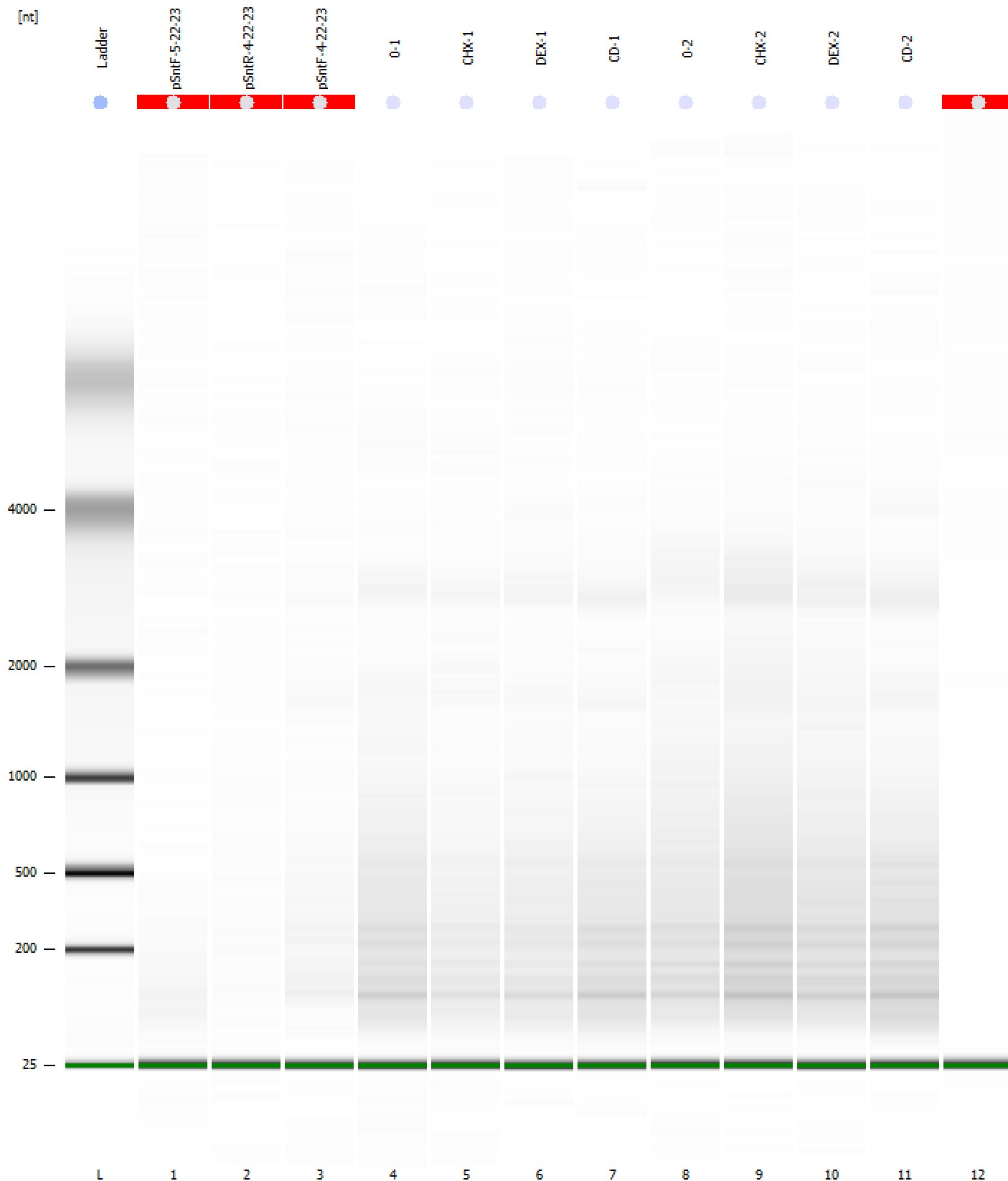
Overall Results for sample 12 :

RNA Area:	3.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	1 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Plant RNA Nano
Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
Modified: 8/17/2023 2:21:36 PM

Gel Image

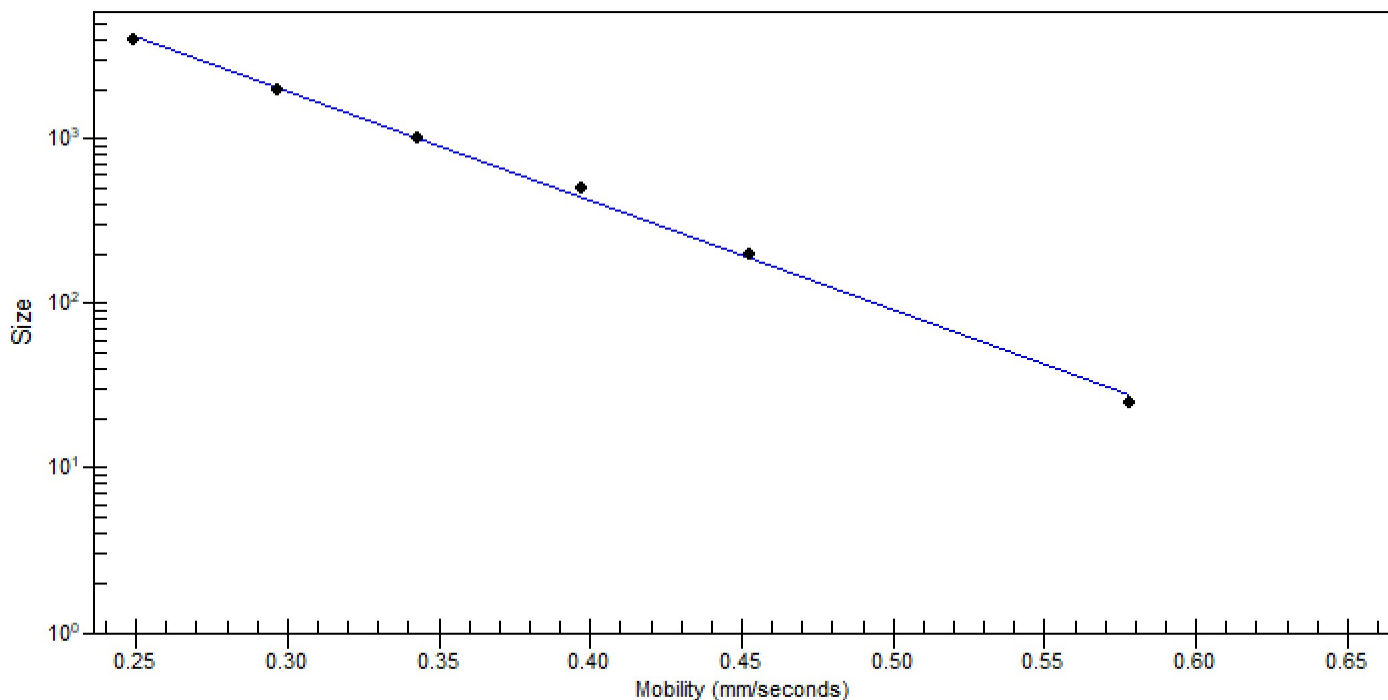


Assay Class: Plant RNA Nano
Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
Modified: 8/17/2023 2:21:36 PM

Curves

Standard Curve



Assay Class: Plant RNA Nano
 Data Path: C:\...7\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17_002.xad

Created: 8/17/2023 1:58:31 PM
 Modified: 8/17/2023 2:21:36 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		8/17/2023 2:21:33 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\2023-08-17\Bioanalyzer1_Plant RNA Nano_DE34903152_2023-08-17 Product Number : G2938C		Instrument	Run		8/17/2023 1:58:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/17/2023 1:58:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/17/2023 1:58:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/17/2023 1:58:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/17/2023 1:58:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/17/2023 1:58:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB