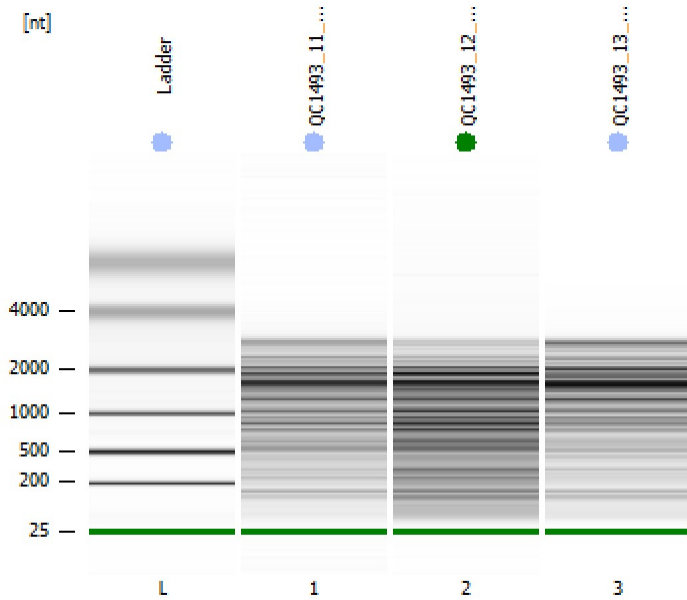


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_2of2_2023-05-25_002.xad

Created: 5/25/2023 9:36:53 AM
Modified: 5/25/2023 10:09:03 AM

Electrophoresis File Run Summary



Instrument Information:

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

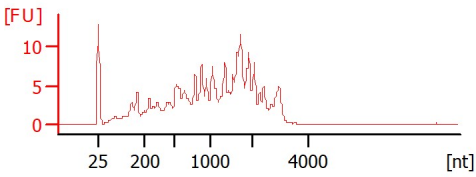
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\DV200 RNA Nano.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
Modified for DV200 Analysis

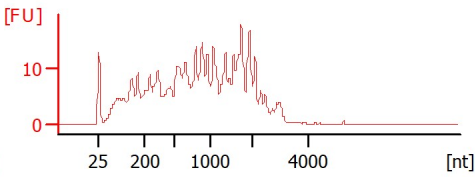
Chip Information:

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

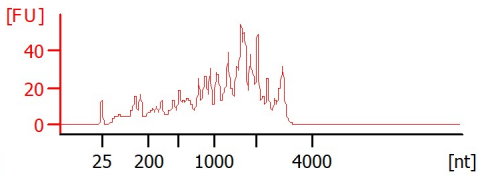
QC1493_11_DWF1_totalRNA
RIN: 5.20



QC1493_12_DWF2_totalRNA
RIN: 3.60 ; DV200 > 70%







QC1493_13_VWF1_totalRNA
RIN: 5.30



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_2of2_2023-05-25_002.xad

Created: 5/25/2023 9:36:53 AM
 Modified: 5/25/2023 10:09:03 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1493_11_DWF1_total RNA		✓	RIN: 5.20	
QC1493_12_DWF2_total RNA		✓	RIN: 3.60 ; DV200 > 70%	
QC1493_13_VWF1_total RNA		✓	RIN: 5.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_2of2_2023-05-25_002.xad

Created: 5/25/2023 9:36:53 AM
 Modified: 5/25/2023 10:09:03 AM

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

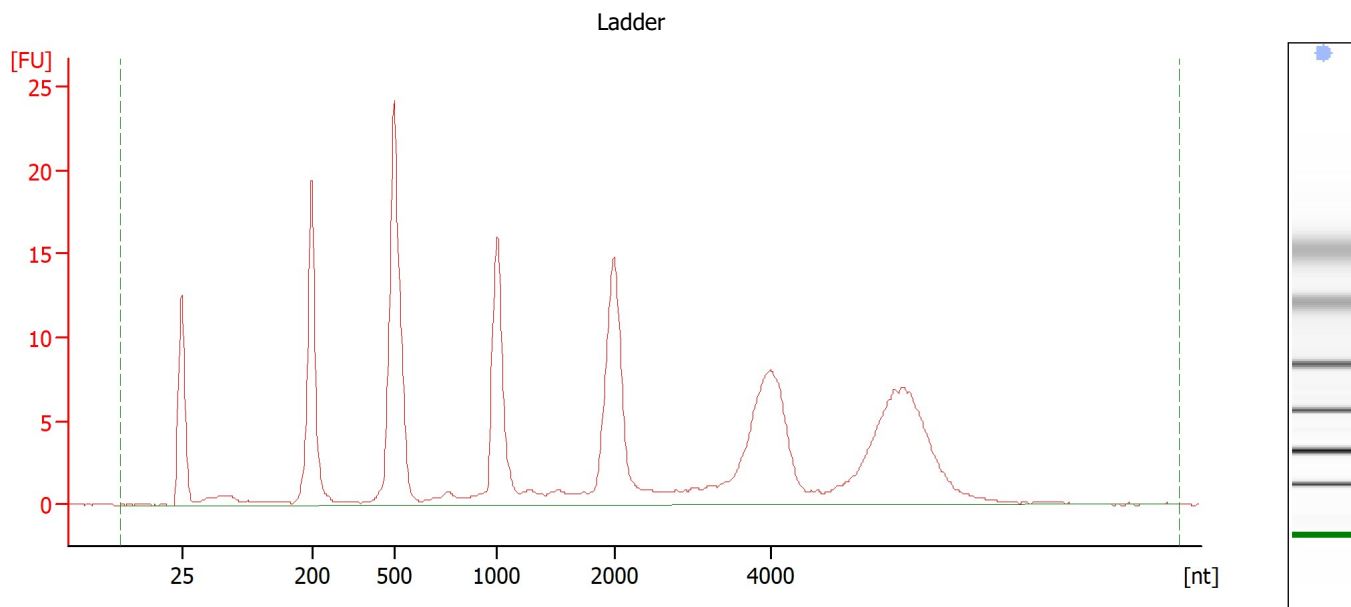
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_2of2_2023-05-25_002.xad

Created: 5/25/2023 9:36:53 AM
Modified: 5/25/2023 10:09:03 AM

Electropherogram Summary



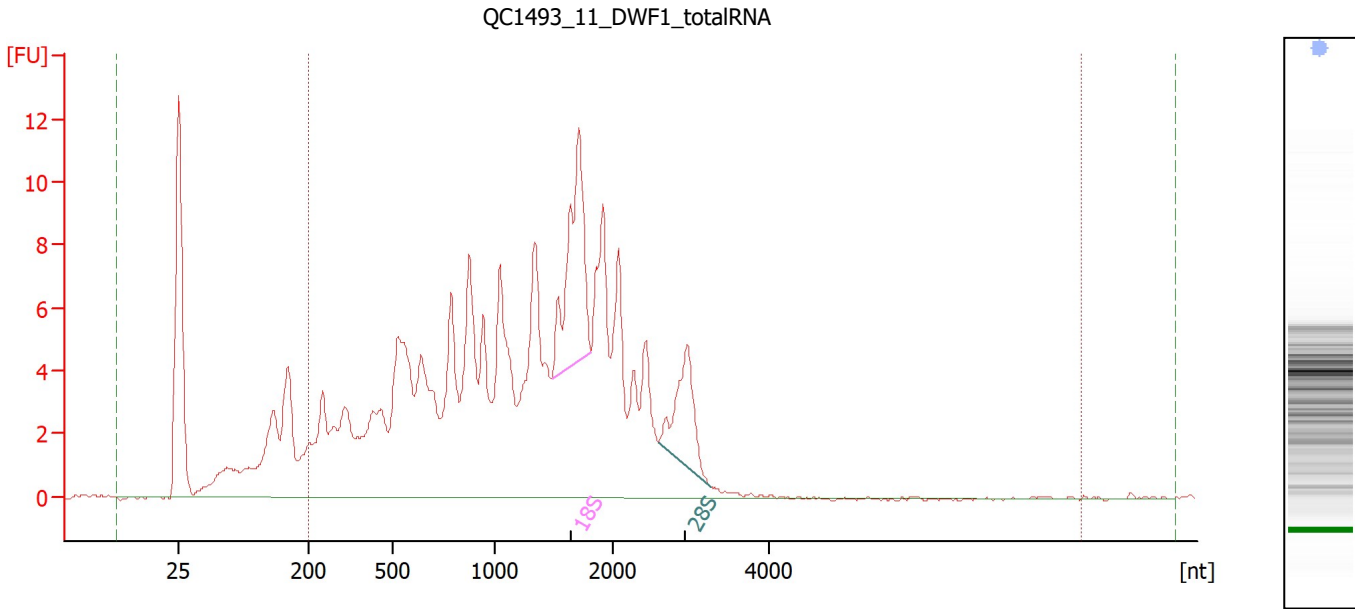
Overall Results for Ladder

RNA Area:	228.2	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_2of2_2023-05-25_002.xad

Created: 5/25/2023 9:36:53 AM
 Modified: 5/25/2023 10:09:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : QC1493 11 DWF1 totalRNA

RNA Area:	230.7	Result Flagging Color:	
RNA Concentration:	152 ng/μl	Result Flagging Label:	RIN: 5.20
rRNA Ratio [28s / 18s]:	0.5	Corr. Area 1:	204.5
RNA Integrity Number (RIN):	5.2 (B.02.10)		

Fragment table for sample 1 : QC1493 11 DWF1 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,483	1,819	14.9	6.4
28S	2,589	3,258	7.9	3.4

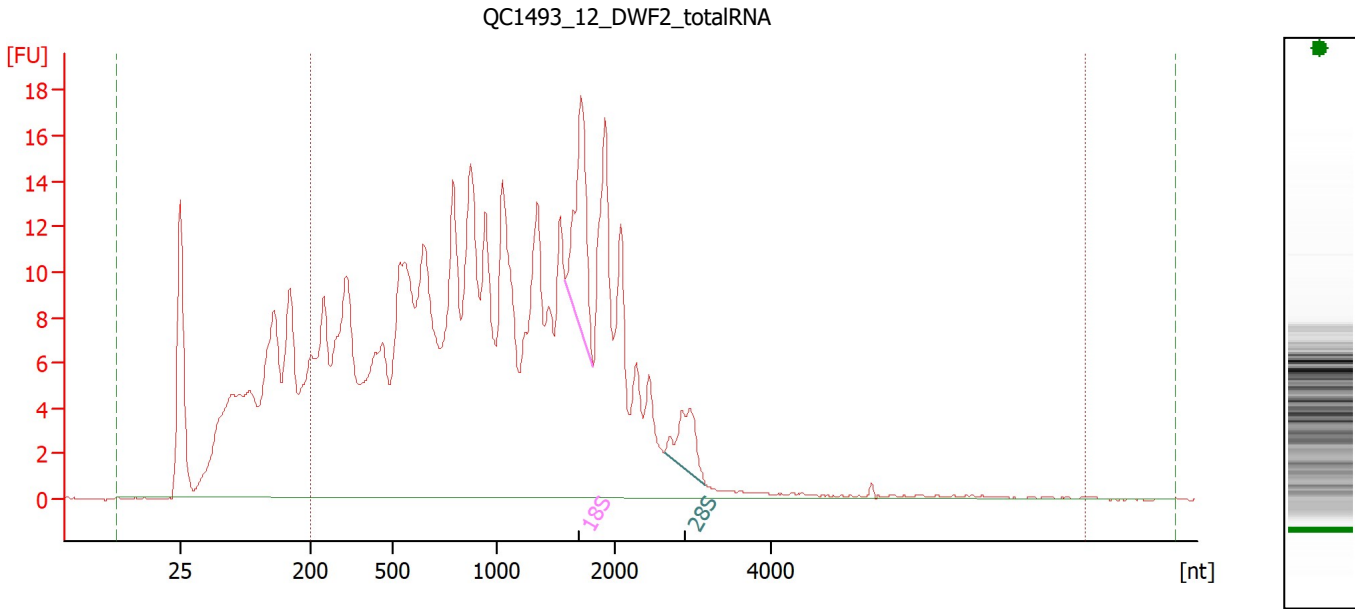
Region table for sample 1 : QC1493 11 DWF1 totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	204.5	89	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_2of2_2023-05-25_002.xad

Created: 5/25/2023 9:36:53 AM
 Modified: 5/25/2023 10:09:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : QC1493 12 DWF2 totalRNA

RNA Area:	497.9	Result Flagging Color:	
RNA Concentration:	327 ng/μl	Result Flagging Label:	RIN: 3.60 ; DV200 > 70%
rRNA Ratio [28s / 18s]:	0.4		
RNA Integrity Number (RIN):	3.6 (B.02.10)	Corr. Area 1:	403.3

Fragment table for sample 2 : QC1493 12 DWF2 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,820	14.1	2.8
28S	2,629	3,161	5.9	1.2

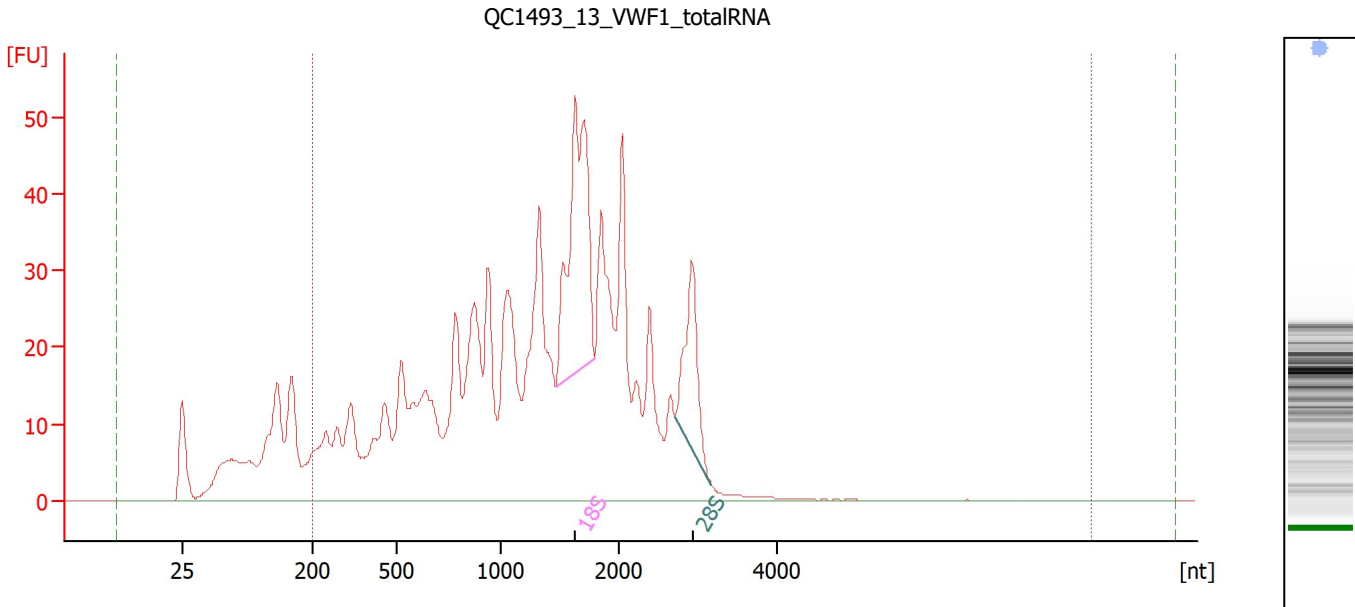
Region table for sample 2 : QC1493 12 DWF2 totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	403.3	81	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_2of2_2023-05-25_002.xad

Created: 5/25/2023 9:36:53 AM
 Modified: 5/25/2023 10:09:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QC1493 13 VWF1 totalRNA

RNA Area:	1,002.5	Result Flagging Color:	
RNA Concentration:	659 ng/μl	Result Flagging Label:	RIN: 5.30
rRNA Ratio [28s / 18s]:	0.4	Corr. Area 1:	874.6
RNA Integrity Number (RIN):	5.3 (B.02.10)		

Fragment table for sample 3 : QC1493 13 VWF1 totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,471	1,796	86.3	8.6
28S	2,724	3,172	33.8	3.4

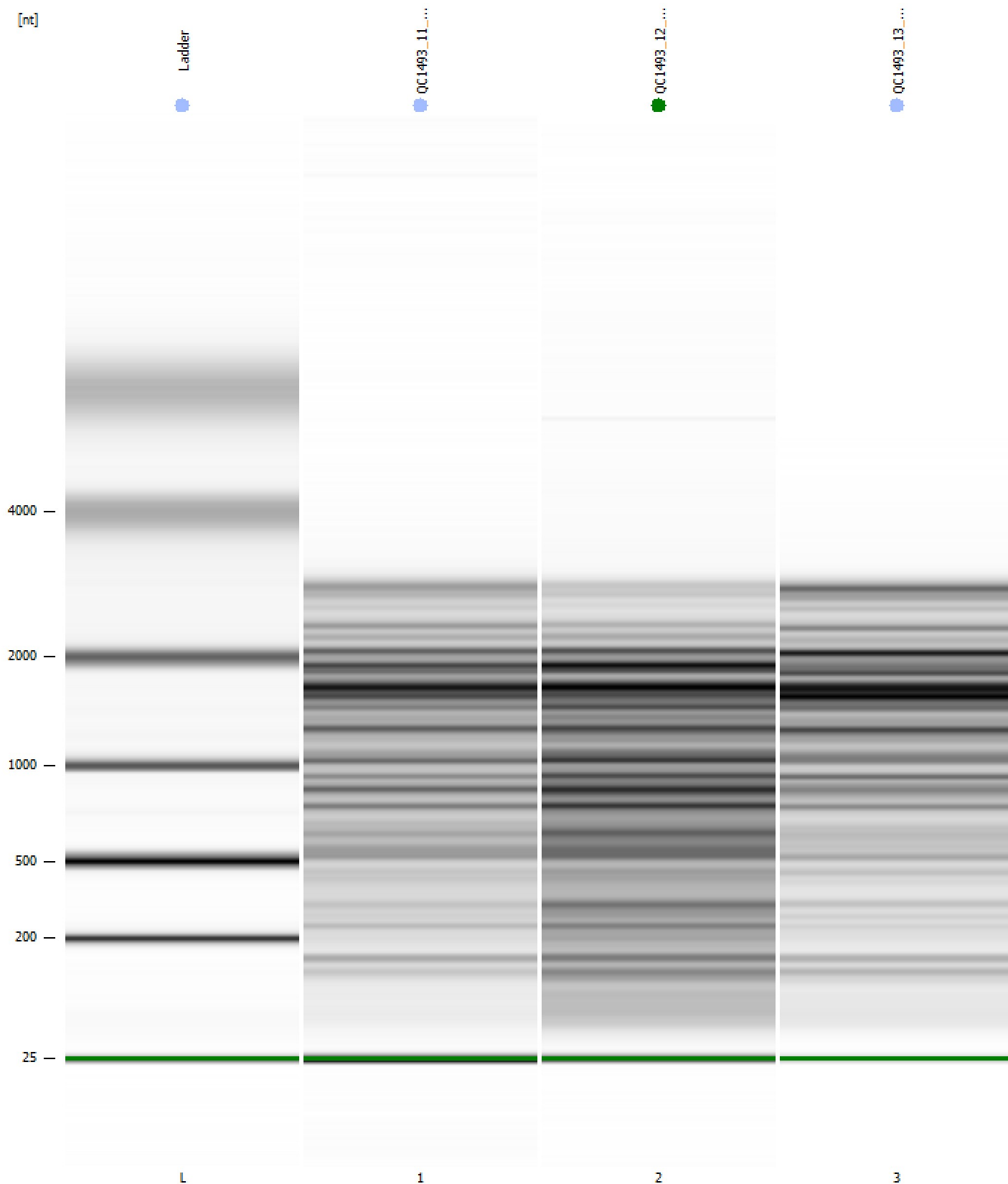
Region table for sample 3 : QC1493 13 VWF1 totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	874.6	87	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_2of2_2023-05-25_002.xad

Created: 5/25/2023 9:36:53 AM
Modified: 5/25/2023 10:09:03 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...er1_Eukaryote Total RNA Nano_QC1493_2of2_2023-05-25_002.xad

Created: 5/25/2023 9:36:53 AM
 Modified: 5/25/2023 10:09:03 AM

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		5/25/2023 9:59:59 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-05-25\Bioanalyzer1_Eukaryote Total RNA Nano_2023-05-25_002.xad)		Instrument	Run		5/25/2023 9:36:58 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/25/2023 9:36:58 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/25/2023 9:36:58 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/25/2023 9:36:58 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/25/2023 9:36:58 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/25/2023 9:36:58 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/25/2023 9:36:58 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB