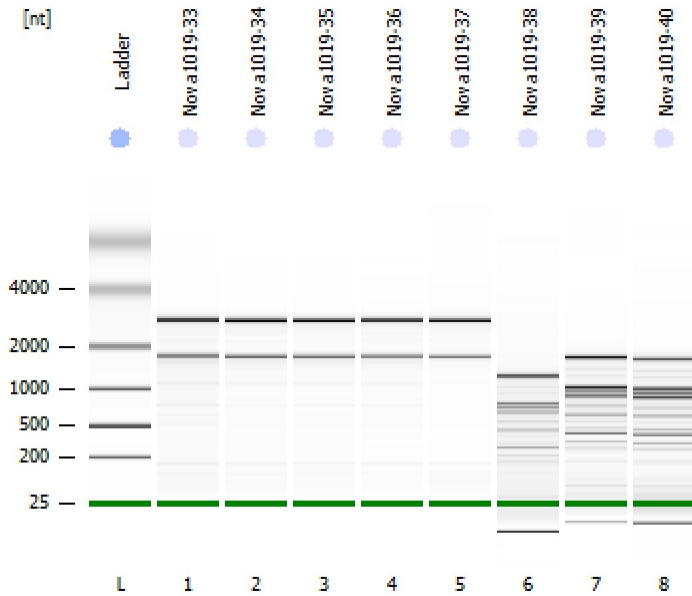


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
Modified: 5/17/2024 9:38:52 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\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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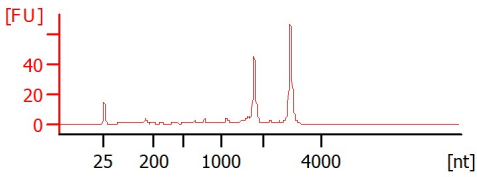
Chip Information:

Chip Lot #:

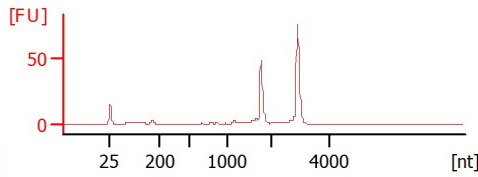
Reagent Kit Lot #:

Chip Comments:

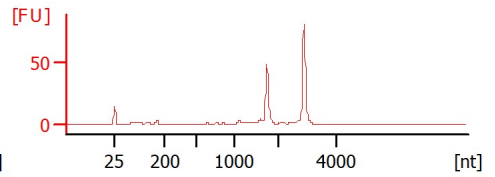
Nova1019-33
21
RIN: 8.50



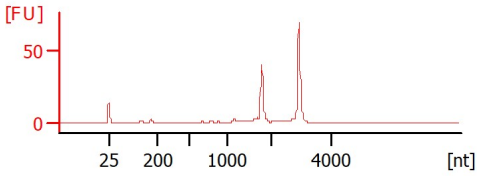
Nova1019-34
22
RIN: 9



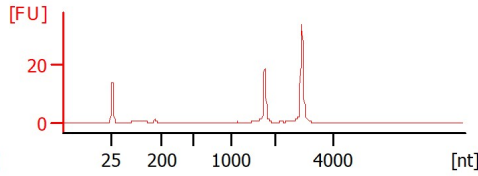
Nova1019-35
23
RIN: 8.90



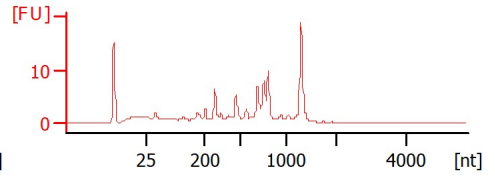
Nova1019-36
24
RIN: 8.90



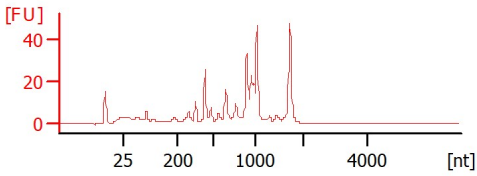
Nova1019-37
25
RIN: 9.40



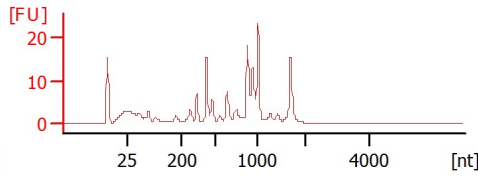
Nova1019-38
W1
RIN: 5.50



Nova1019-39
W2
RIN: 4.80



Nova1019-40
W3
RIN: 4.60



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:38:52 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova1019-33	21	✓	RIN: 8.50	
Nova1019-34	22	✓	RIN:9	
Nova1019-35	23	✓	RIN: 8.90	
Nova1019-36	24	✓	RIN: 8.90	
Nova1019-37	25	✓	RIN: 9.40	
Nova1019-38	W1	✓	RIN: 5.50	
Nova1019-39	W2	✓	RIN: 4.80	
Nova1019-40	W3	✓	RIN: 4.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
Modified: 5/17/2024 9:38:52 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

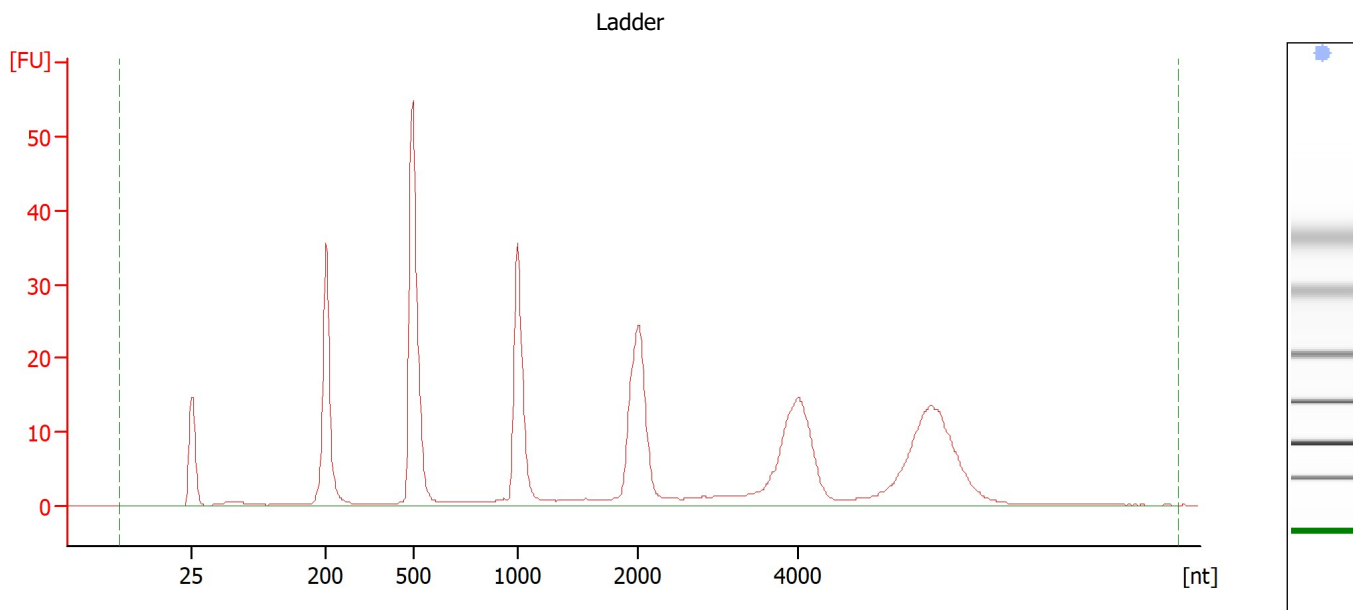
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
Modified: 5/17/2024 9:38:52 AM

Electropherogram Summary



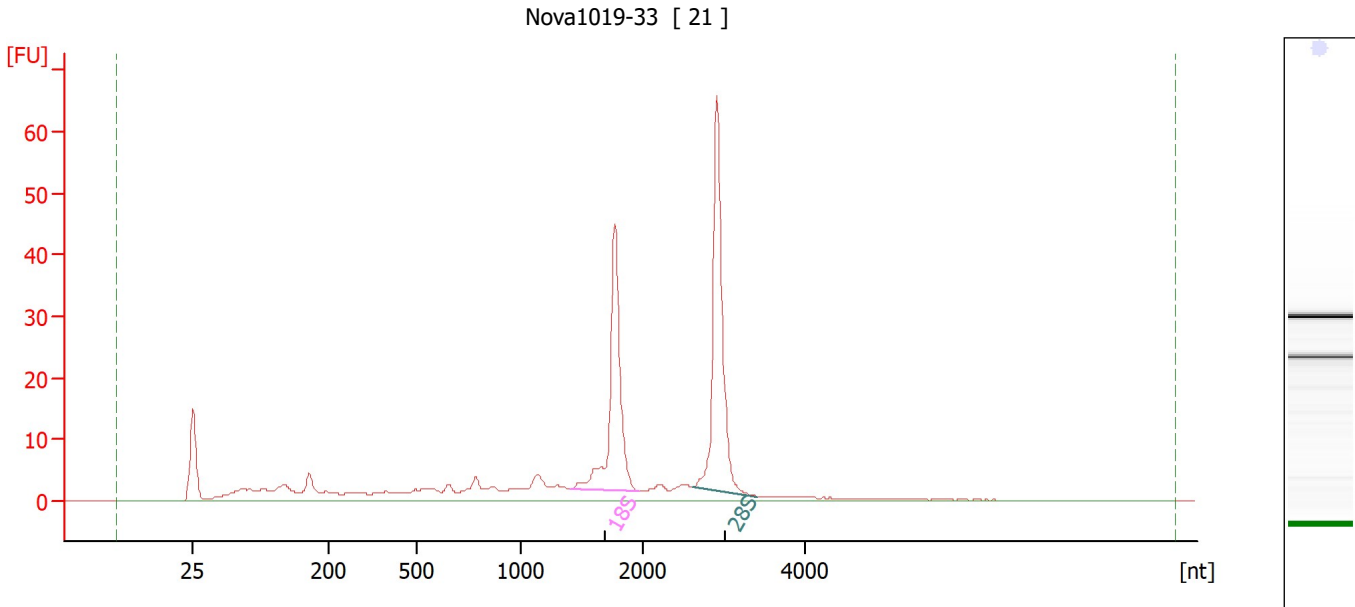
Overall Results for Ladder

RNA Area:	354.4	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:38:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Nova1019-33

RNA Area:	263.2	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	111 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.50

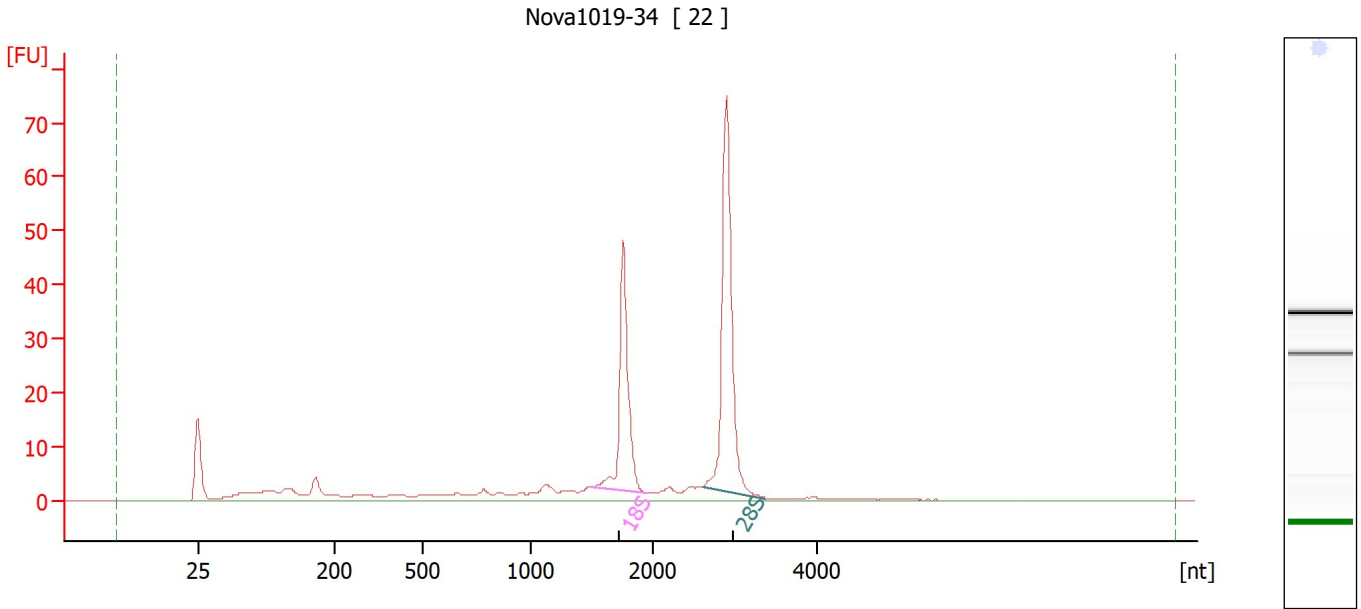
Fragment table for sample 1 : Nova1019-33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,397	1,959	54.1	20.5
28S	2,612	3,392	69.1	26.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:38:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova1019-34

RNA Area:	233.2	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	99 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN:9

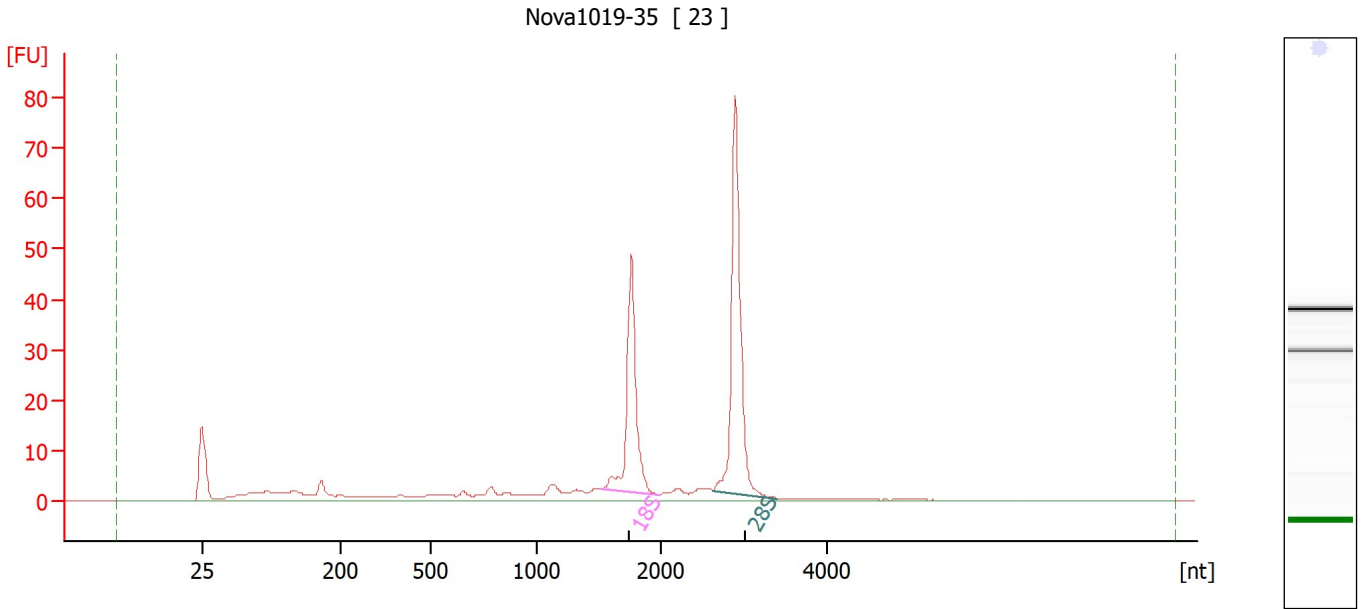
Fragment table for sample 2 : Nova1019-34

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,494	1,937	49.2	21.1
28S	2,598	3,369	76.8	32.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:38:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova1019-35

RNA Area:	238.5	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	101 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.90

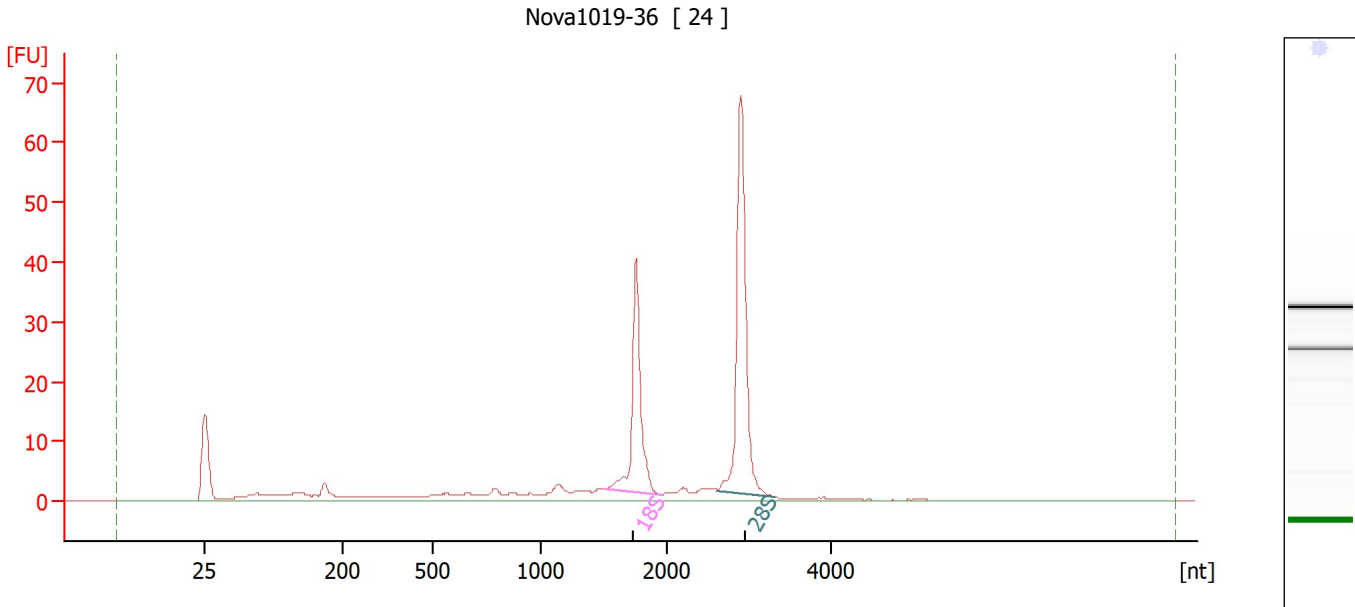
Fragment table for sample 3 : Nova1019-35

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,501	1,975	51.3	21.5
28S	2,610	3,401	77.5	32.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:38:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova1019-36

RNA Area:	197.8	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	84 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.90

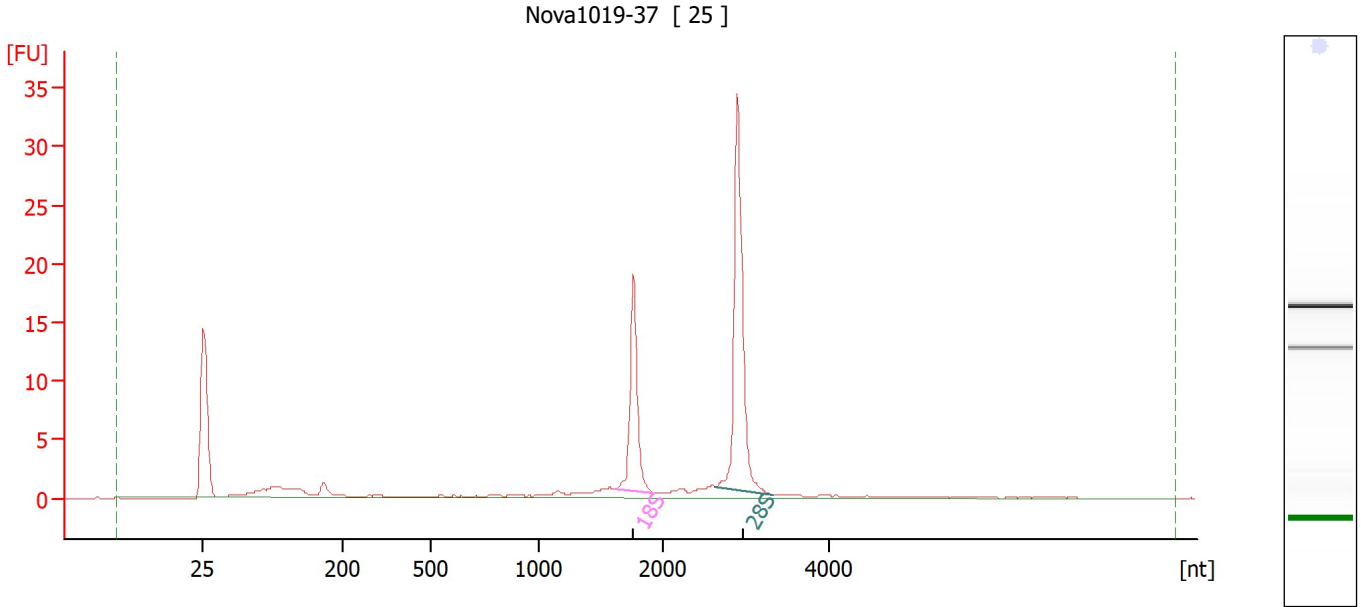
Fragment table for sample 4 : Nova1019-36

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,514	1,968	41.5	21.0
28S	2,623	3,320	64.1	32.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
Modified: 5/17/2024 9:38:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova1019-37

RNA Area: 81.2 RNA Integrity Number (RIN): 9.4 (B.02.10)
RNA Concentration: 34 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 9.40

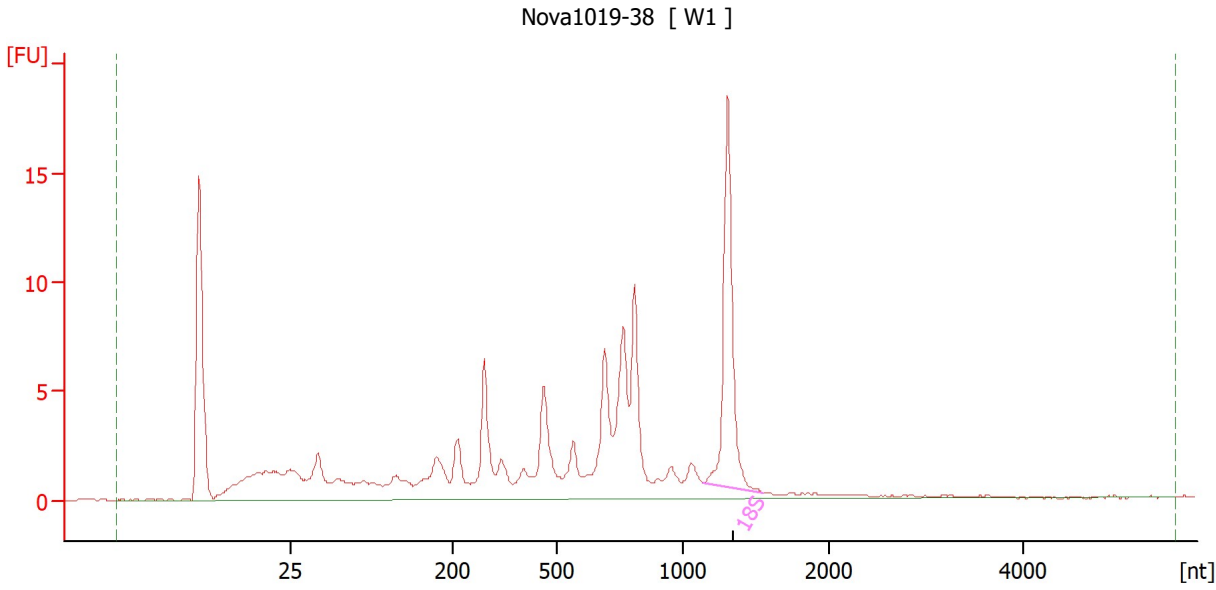
Fragment table for sample 5 : Nova1019-37

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,606	1,915	16.7	20.5
28S	2,623	3,322	31.0	38.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:38:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova1019-38

RNA Area:	129.5	RNA Integrity Number (RIN):	5.5 (B.02.10)
RNA Concentration:	55 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.50

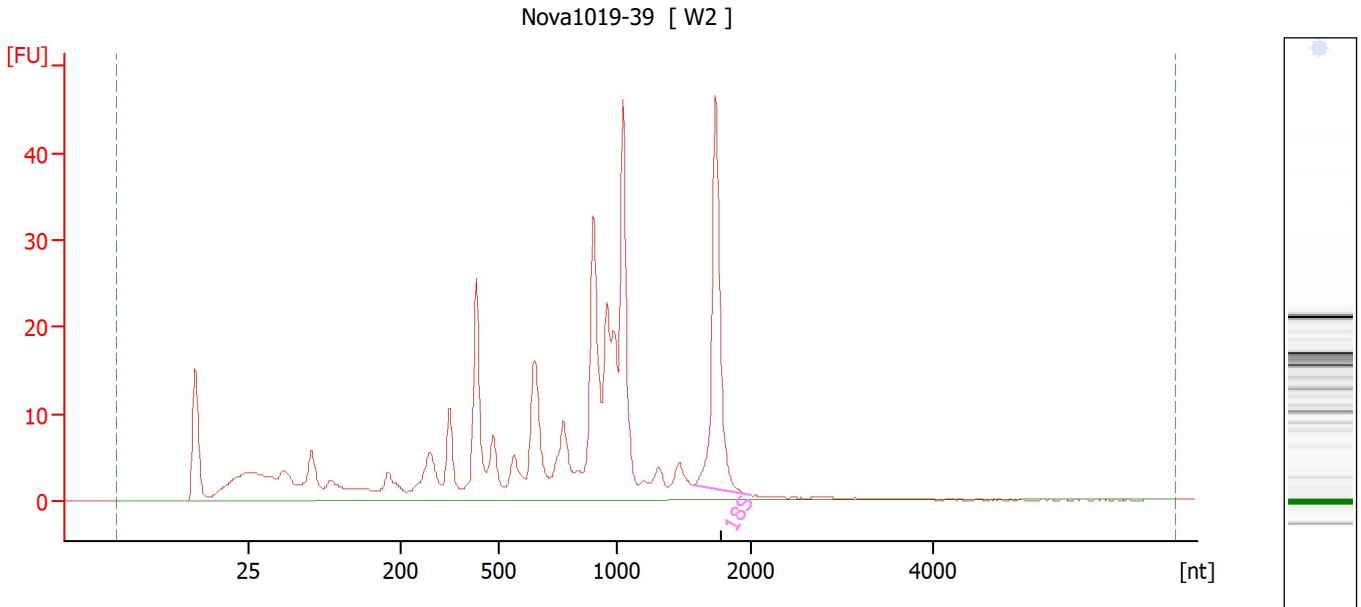
Fragment table for sample 6 : Nova1019-38

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,136	1,546	17.4	13.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:38:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova1019-39

RNA Area:	348.2	RNA Integrity Number (RIN):	4.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	147 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.80

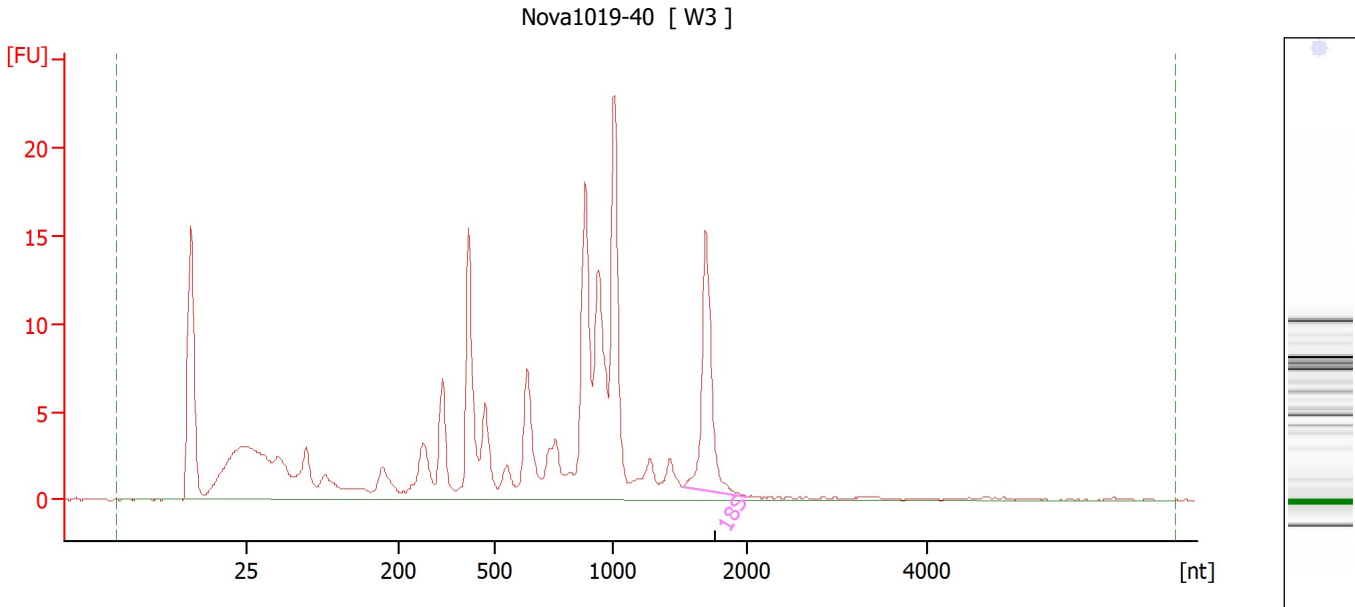
Fragment table for sample 7 : Nova1019-39

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,566	1,991	44.4	12.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:38:52 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova1019-40

RNA Area:	188.6	RNA Integrity Number (RIN):	4.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	80 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 4.60

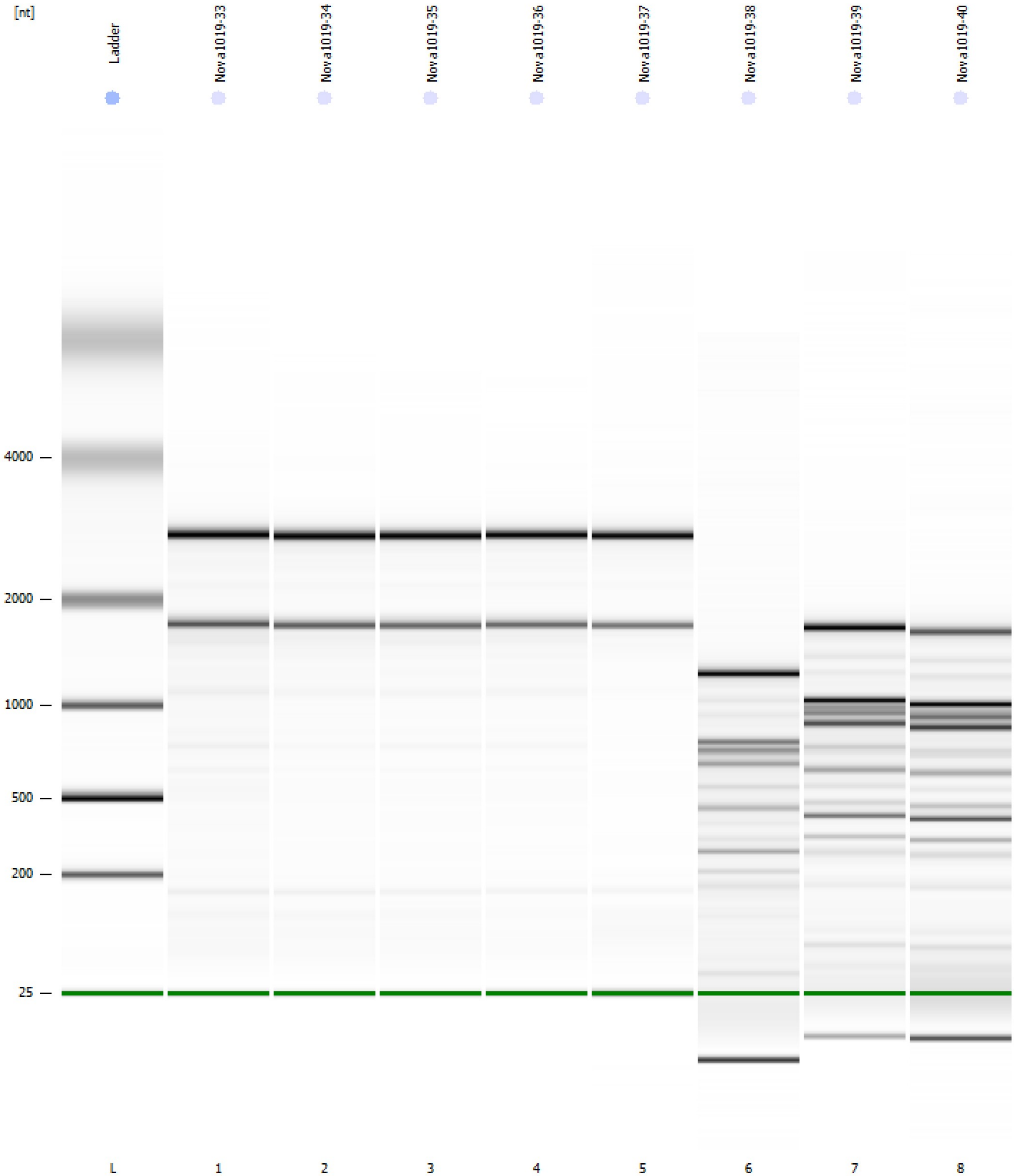
Fragment table for sample 8 : Nova1019-40

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,523	1,989	16.1	8.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
Modified: 5/17/2024 9:38:52 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ata\2024-05-16\Nova1019_Additional_samples_33-40_RNA_QC.xad

Created: 5/16/2024 5:06:40 PM
 Modified: 5/17/2024 9:38:52 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		5/16/2024 5:29:42 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\2024-05-16\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2024-05-16_003.xad)		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/16/2024 5:06:45 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB