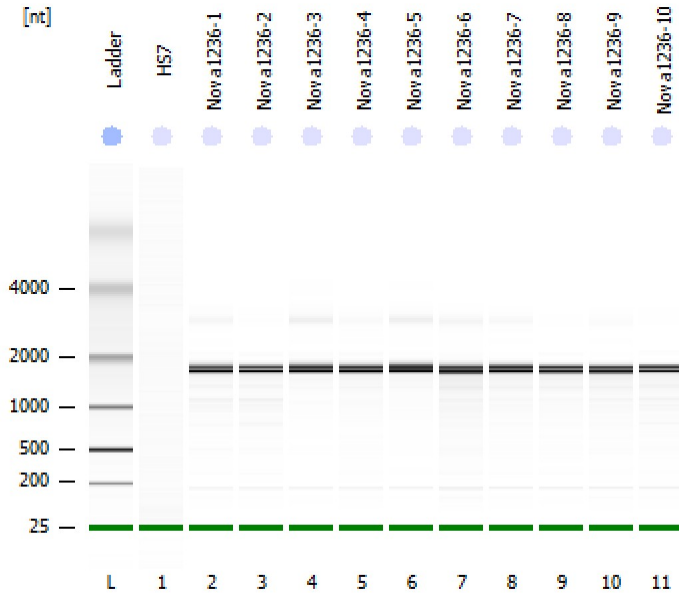


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
Modified: 12/27/2024 3:35:25 PM

Electrophoresis File Run Summary



Instrument Information:

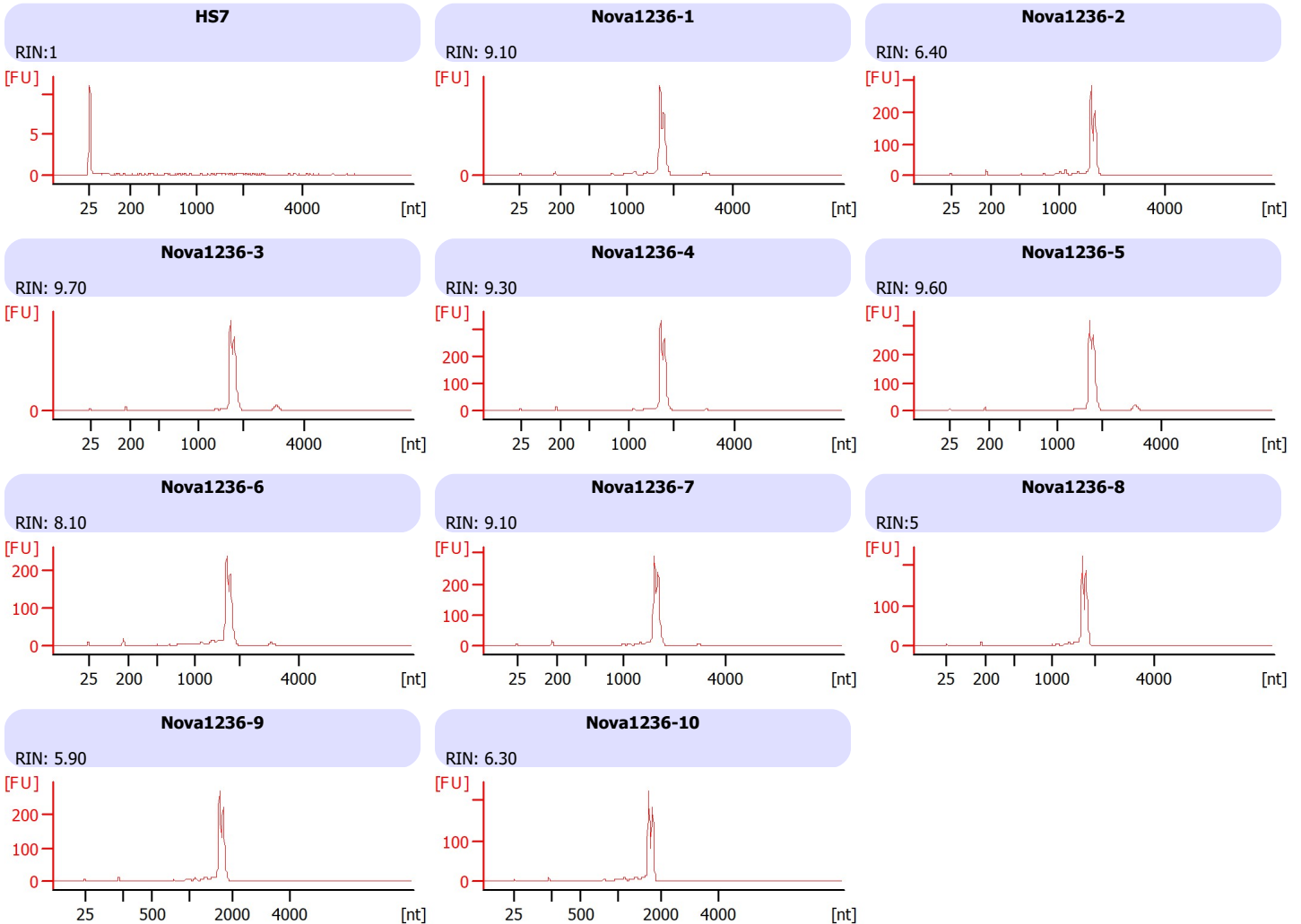
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HS7		✓	RIN:1	
Nova1236-1		✓	RIN: 9.10	
Nova1236-2		✓	RIN: 6.40	
Nova1236-3		✓	RIN: 9.70	
Nova1236-4		✓	RIN: 9.30	
Nova1236-5		✓	RIN: 9.60	
Nova1236-6		✓	RIN: 8.10	
Nova1236-7		✓	RIN: 9.10	
Nova1236-8		✓	RIN:5	
Nova1236-9		✓	RIN: 5.90	
Nova1236-10		✓	RIN: 6.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 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/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 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

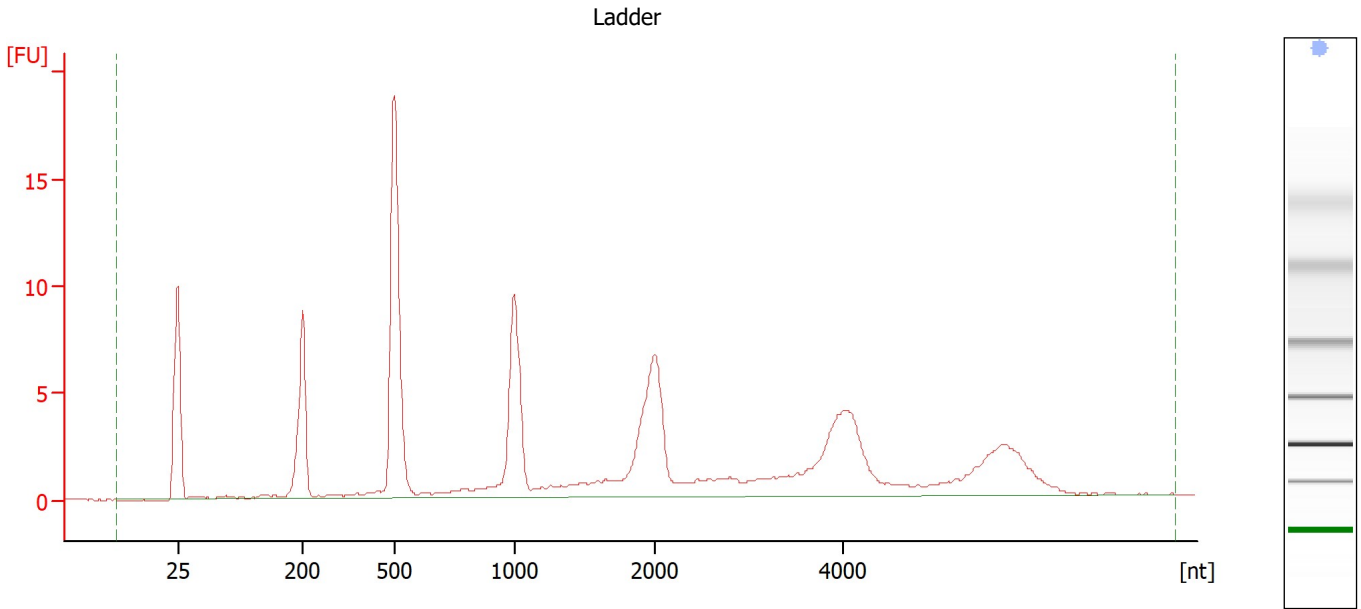
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary



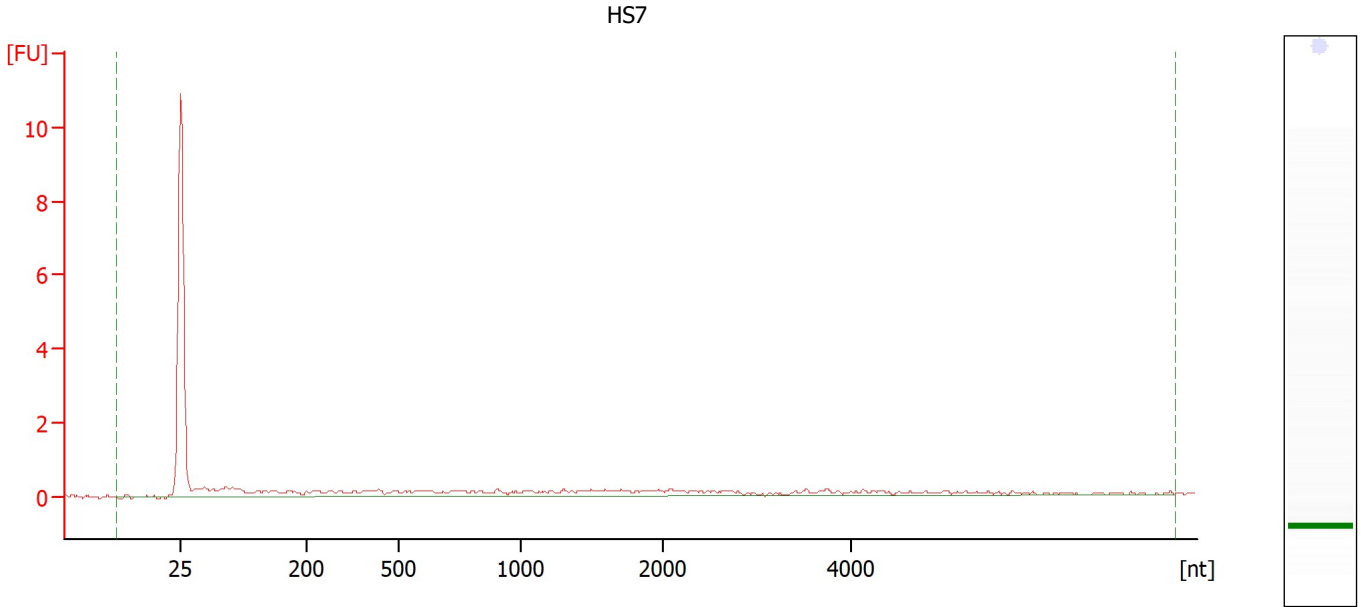
Overall Results for Ladder

RNA Area:	124.5	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary Continued ...



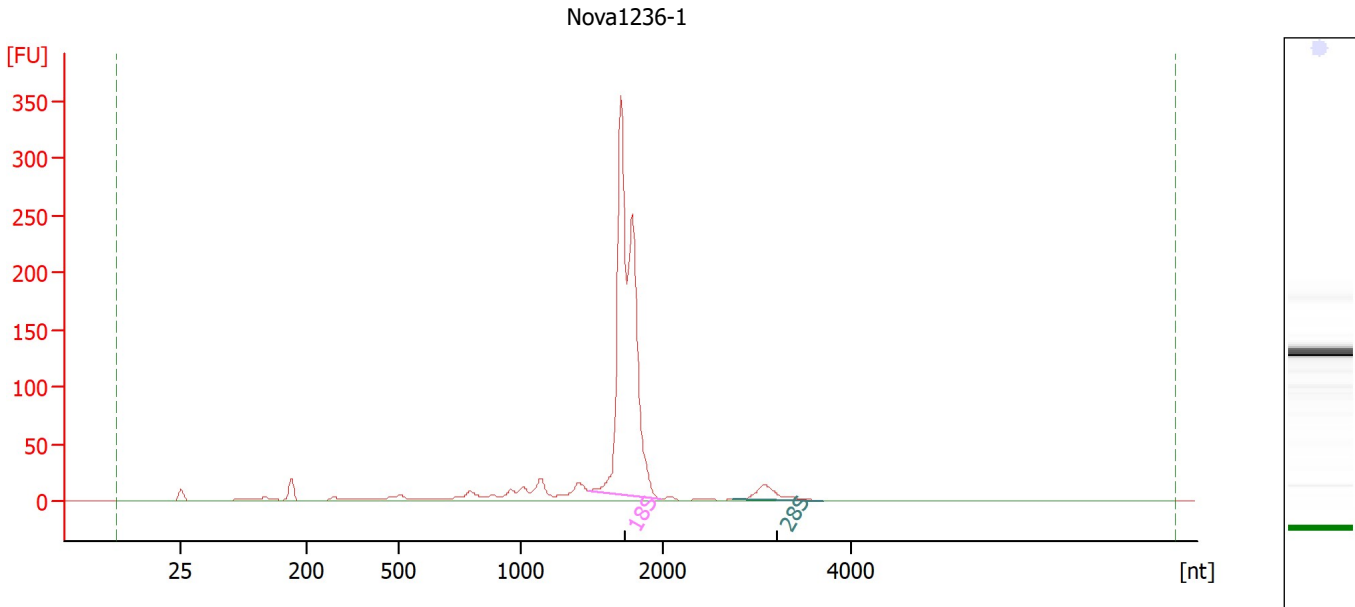
Overall Results for sample 1 : HS7

RNA Area:	11.8	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	95 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova1236-1

RNA Area:	982.3	RNA Integrity Number (RIN):	9.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	7,887 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 9.10

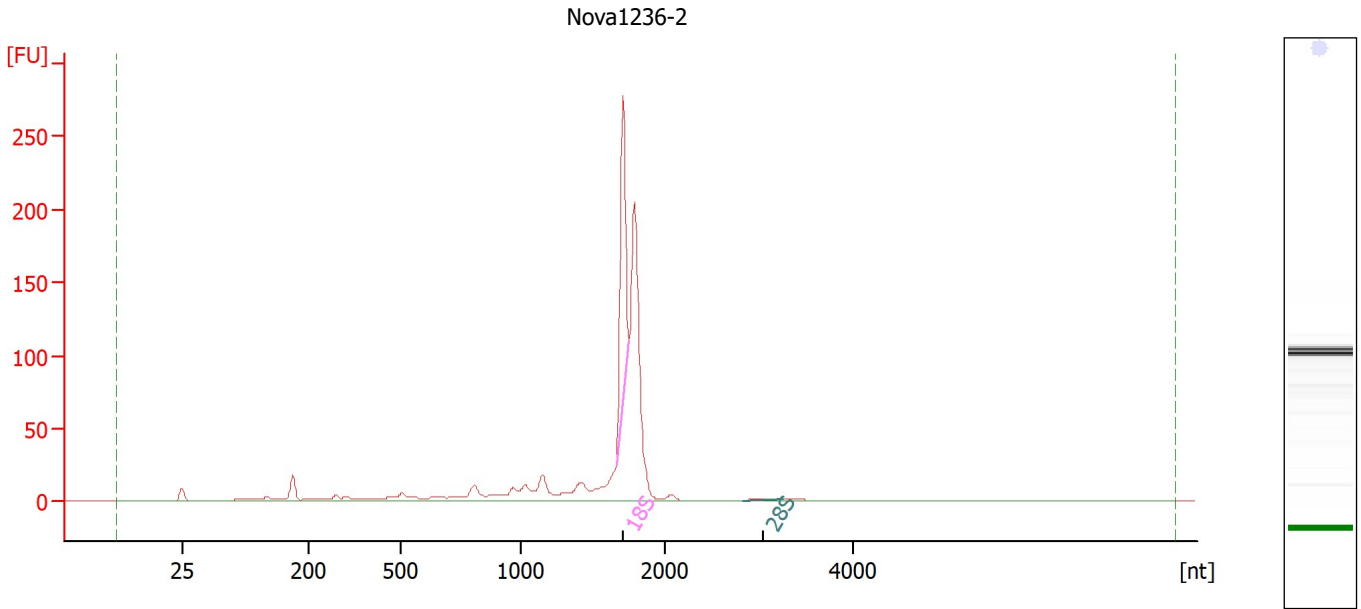
Fragment table for sample 2 : Nova1236-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,480	1,992	657.0	66.9
28S	2,745	3,693	31.7	3.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova1236-2

RNA Area:	715.5	RNA Integrity Number (RIN):	6.4 (B.02.10)
RNA Concentration:	5,745 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.40

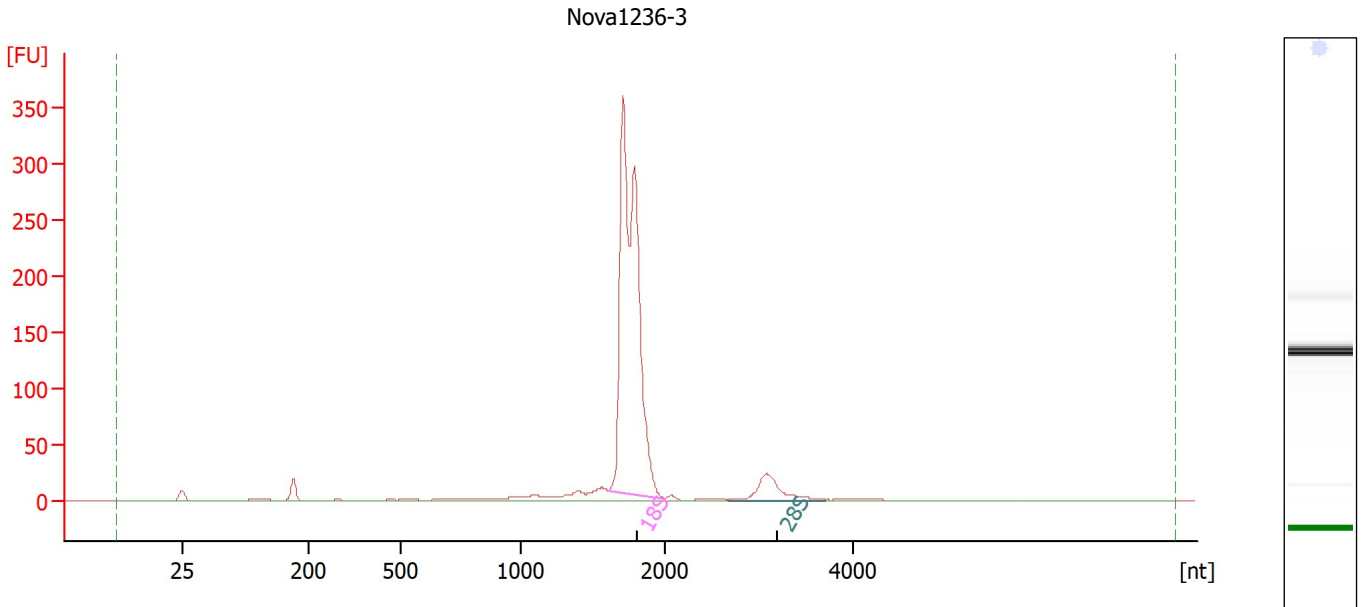
Fragment table for sample 3 : Nova1236-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,662	1,752	137.7	19.3
28S	2,833	3,250	2.3	0.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova1236-3

RNA Area:	996.3	RNA Integrity Number (RIN):	9.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	8,000 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 9.70

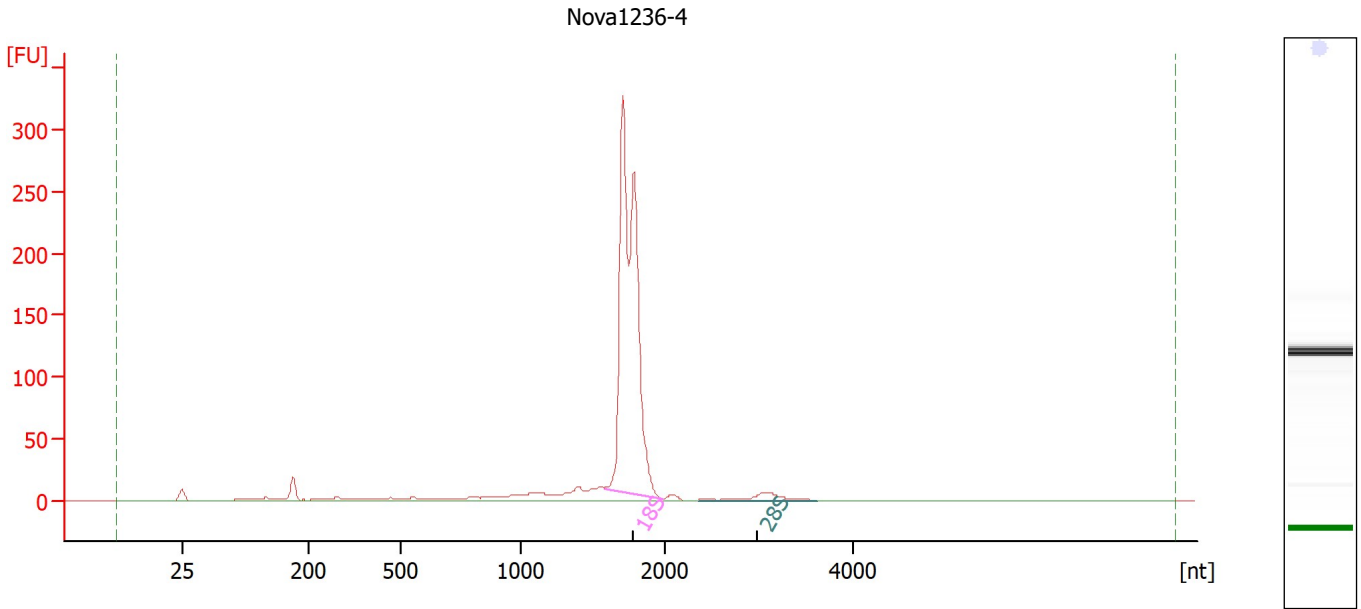
Fragment table for sample 4 : Nova1236-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	2,000	735.0	73.8
28S	2,675	3,700	54.9	5.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova1236-4

RNA Area:	882.1	RNA Integrity Number (RIN):	9.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	7,083 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 9.30

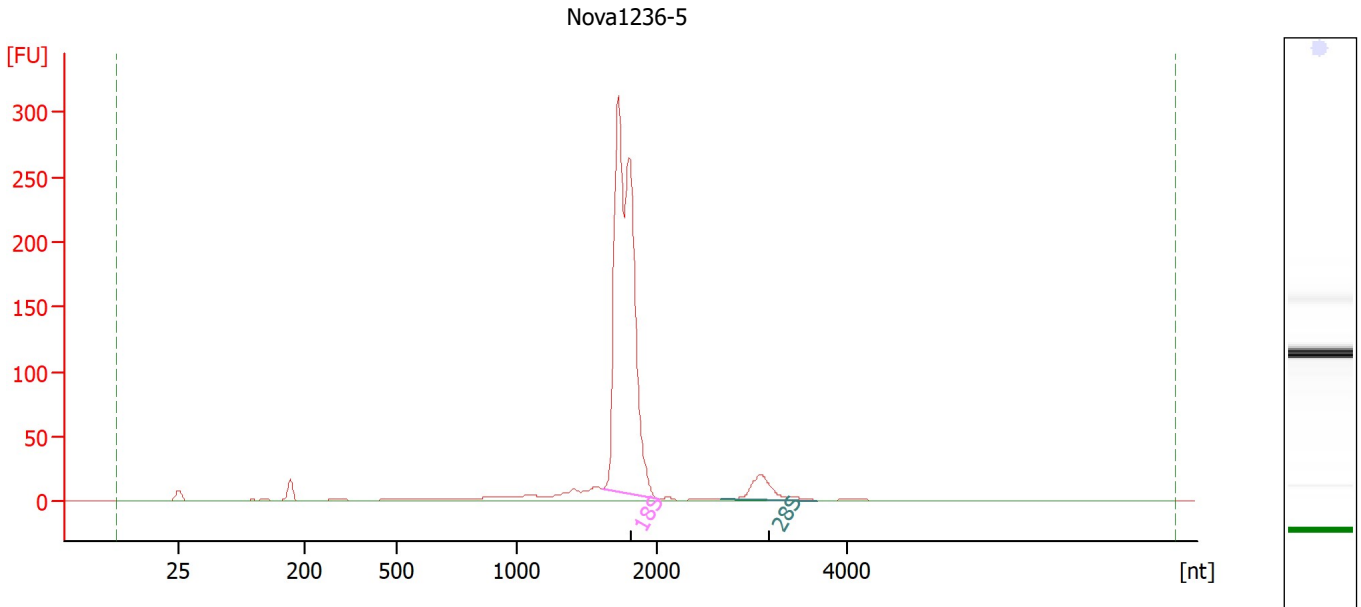
Fragment table for sample 5 : Nova1236-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,579	1,984	616.8	69.9
28S	2,360	3,621	18.8	2.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova1236-5

RNA Area:	919.0	RNA Integrity Number (RIN):	9.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	7,380 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 9.60

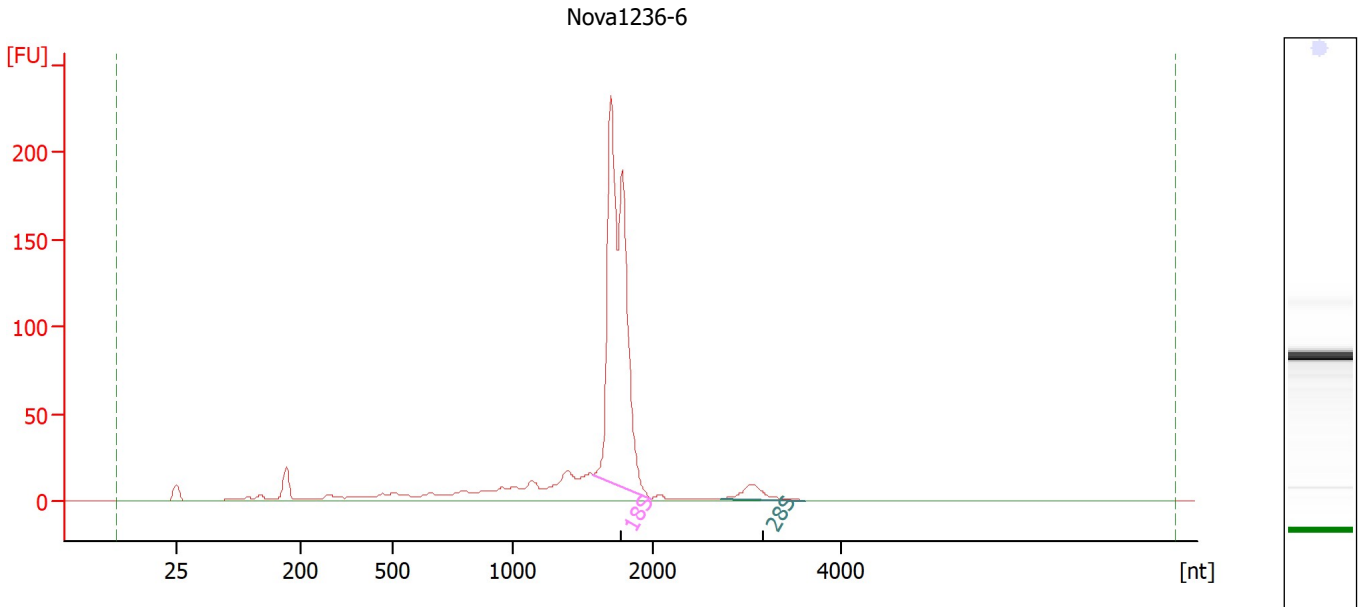
Fragment table for sample 6 : Nova1236-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,606	2,011	677.9	73.8
28S	2,680	3,700	45.3	4.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova1236-6

RNA Area:	815.0	RNA Integrity Number (RIN):	8.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	6,544 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 8.10

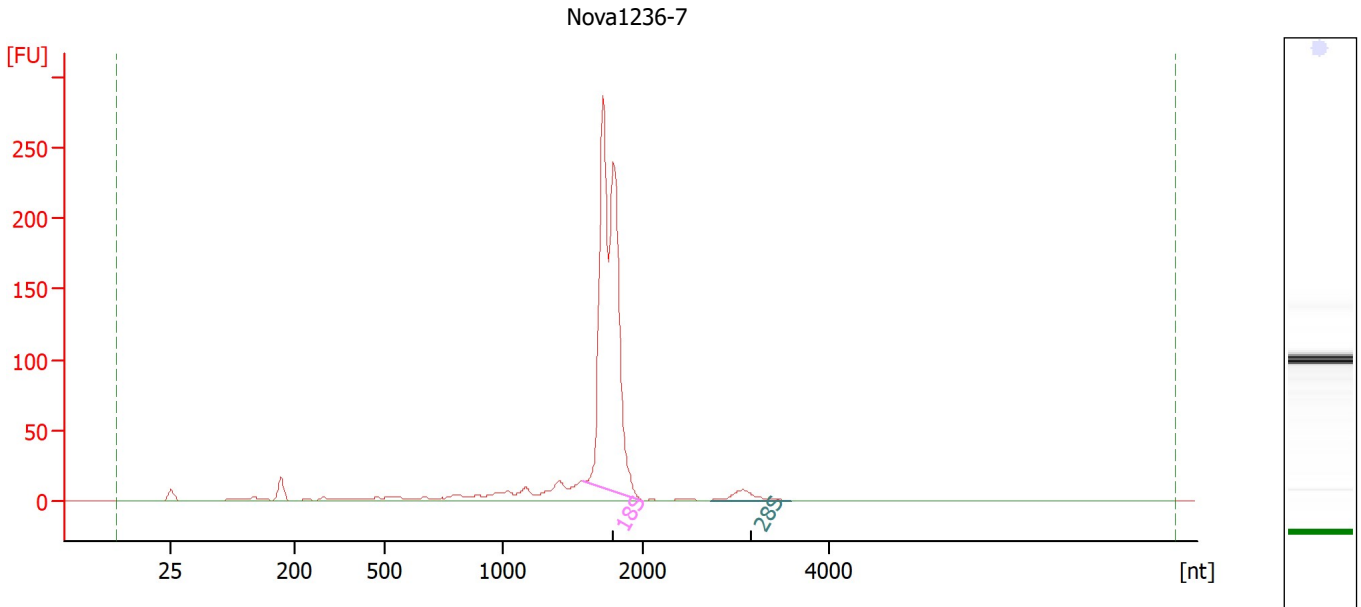
Fragment table for sample 7 : Nova1236-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,574	1,977	459.4	56.4
28S	2,717	3,605	19.9	2.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova1236-7

RNA Area:	831.7	RNA Integrity Number (RIN):	9.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	6,679 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 9.10

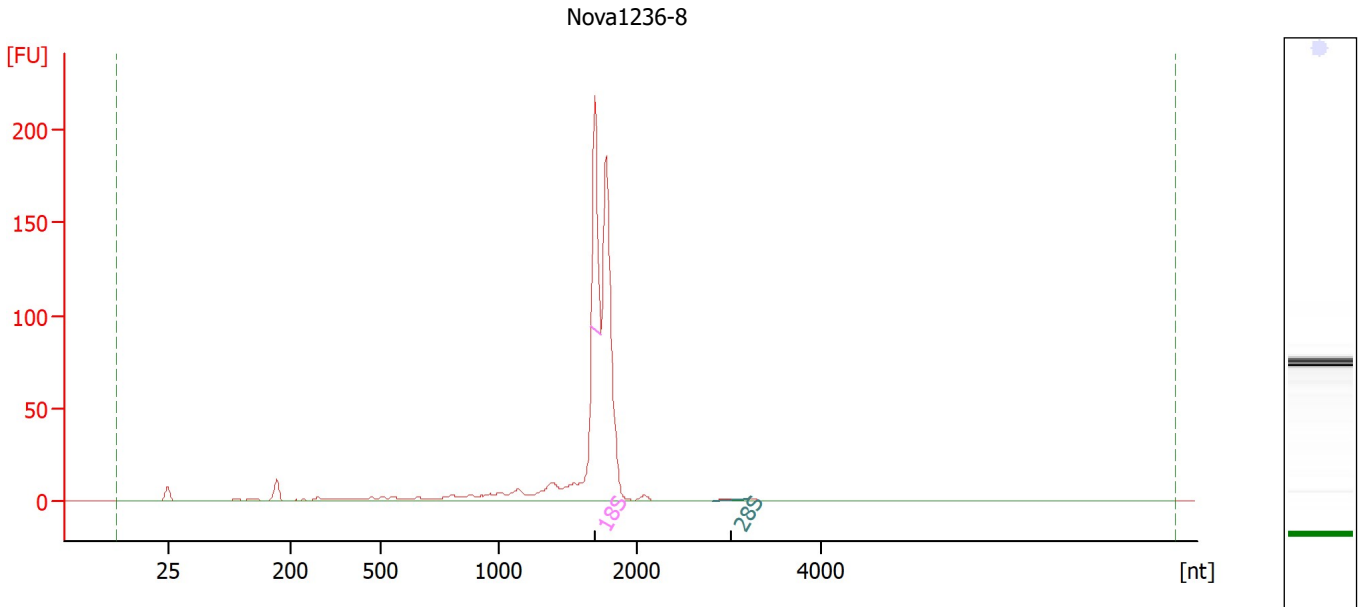
Fragment table for sample 8 : Nova1236-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,569	2,000	563.3	67.7
28S	2,725	3,601	17.8	2.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Nova1236-8

RNA Area:	555.9	RNA Integrity Number (RIN):	5 (B.02.10)
RNA Concentration:	4,463 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:5

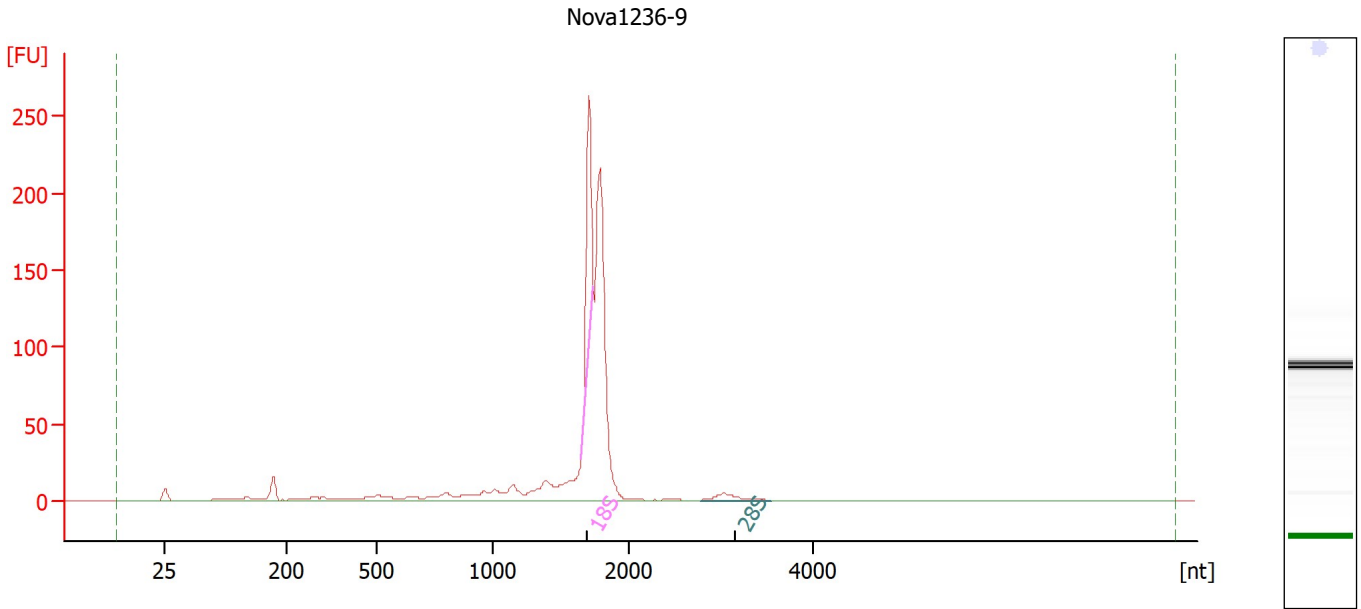
Fragment table for sample 9 : Nova1236-8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	1,744	71.1	12.8
28S	2,834	3,217	1.4	0.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Nova1236-9

RNA Area:	735.7	RNA Integrity Number (RIN):	5.9 (B.02.10)
RNA Concentration:	5,908 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 5.90

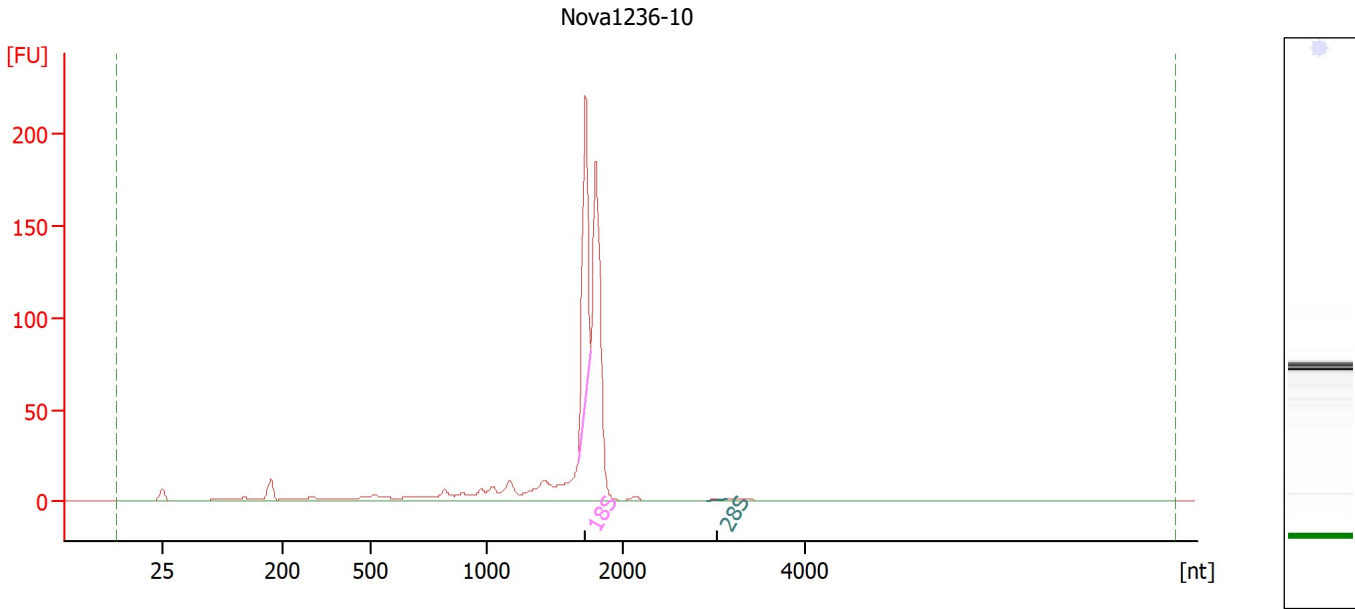
Fragment table for sample 10 : Nova1236-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,649	1,735	112.6	15.3
28S	2,770	3,541	10.8	1.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Nova1236-10

RNA Area:	574.1	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	4,610 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.30

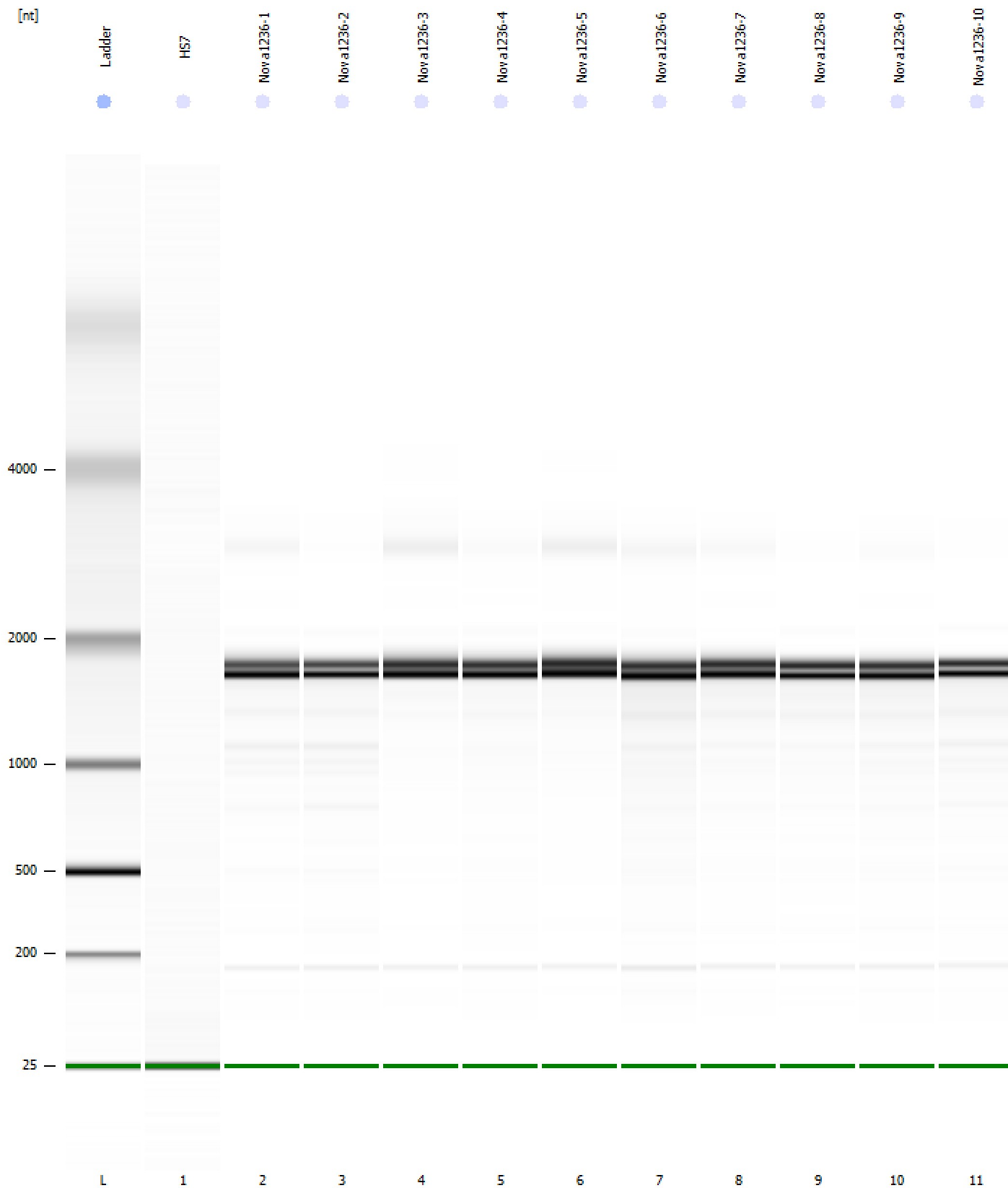
Fragment table for sample 11 : Nova1236-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	1,756	109.7	19.1
28S	2,917	3,128	0.3	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
Modified: 12/27/2024 3:35:25 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...zer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad

Created: 12/27/2024 3:07:36 PM
 Modified: 12/27/2024 3:35:25 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		12/27/2024 3:29:37 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-12-27\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2024-12-27_002.xad)		Instrument	Run		12/27/2024 3:07:42 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/27/2024 3:07:42 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/27/2024 3:07:42 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/27/2024 3:07:42 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/27/2024 3:07:42 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/27/2024 3:07:42 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/27/2024 3:07:42 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB