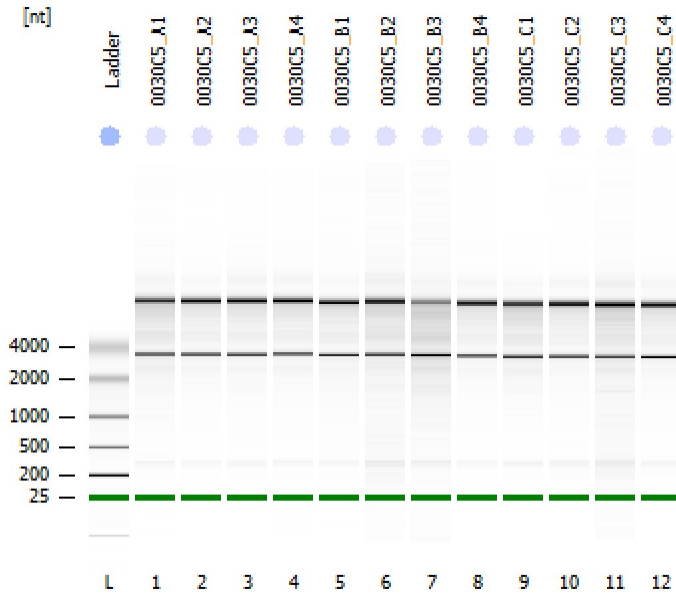


Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electrophoresis File Run Summary



Instrument Information:

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

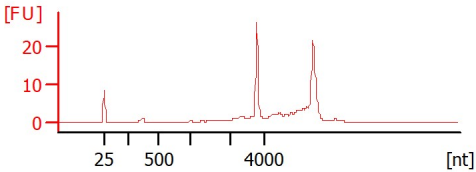
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
 Assay Class: Eukaryote Total RNA Nano
 Version: 2.6
 Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

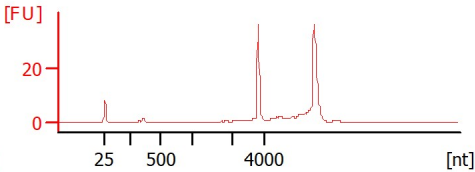
Chip Information:

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

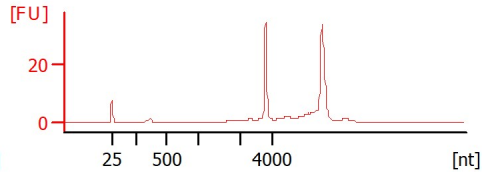
0030C5_A1
 Nova1215-1
 RIN: 9



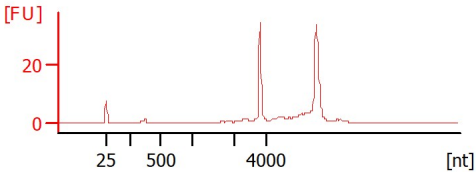
0030C5_A2
 Nova1215-2
 RIN: 9.40



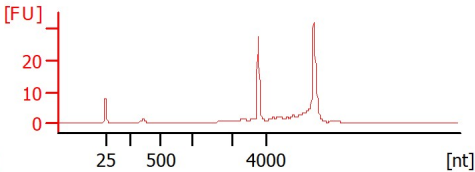
0030C5_A3
 Nova1215-3
 RIN: 9.30



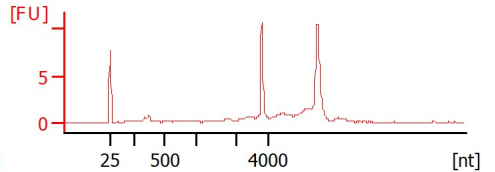
0030C5_A4
 Nova1215-4
 RIN: 9.40



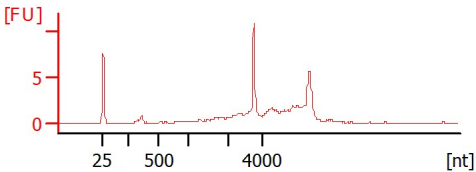
0030C5_B1
 Nova1215-5
 RIN: 9



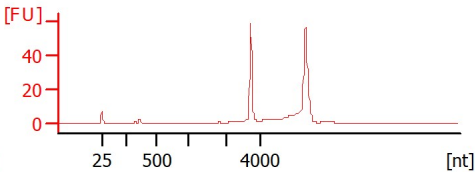
0030C5_B2
 Nova1215-6
 RIN: 8.60



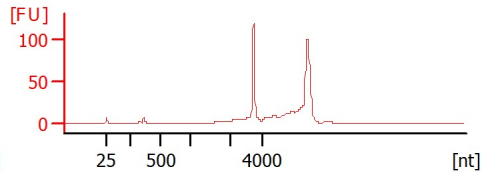
0030C5_B3
 Nova1215-7
 RIN: 7.10



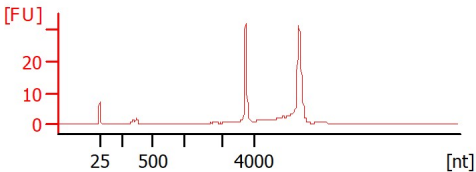
0030C5_B4
 Nova1215-8
 RIN: 9.30



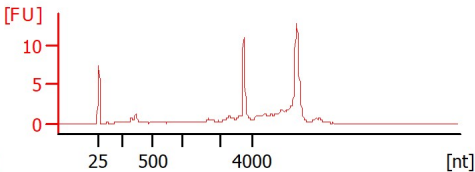
0030C5_C1
 Nova1215-9
 RIN: 8.50



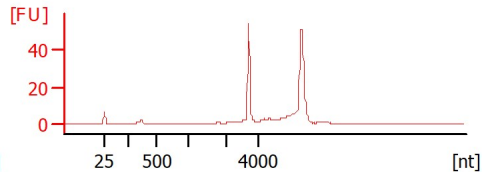
0030C5_C2
 Nova1215-10
 RIN: 9.50



0030C5_C3
 Nova1215-11
 RIN: 8.40



0030C5_C4
 Nova1215-12
 RIN: 9.50



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
0030C5_A1	Nova1215-1	✓	RIN:9	
0030C5_A2	Nova1215-2	✓	RIN: 9.40	
0030C5_A3	Nova1215-3	✓	RIN: 9.30	
0030C5_A4	Nova1215-4	✓	RIN: 9.40	
0030C5_B1	Nova1215-5	✓	RIN:9	
0030C5_B2	Nova1215-6	✓	RIN: 8.60	
0030C5_B3	Nova1215-7	✓	RIN: 7.10	
0030C5_B4	Nova1215-8	✓	RIN: 9.30	
0030C5_C1	Nova1215-9	✓	RIN: 8.50	
0030C5_C2	Nova1215-10	✓	RIN: 9.50	
0030C5_C3	Nova1215-11	✓	RIN: 8.40	
0030C5_C4	Nova1215-12	✓	RIN: 9.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 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

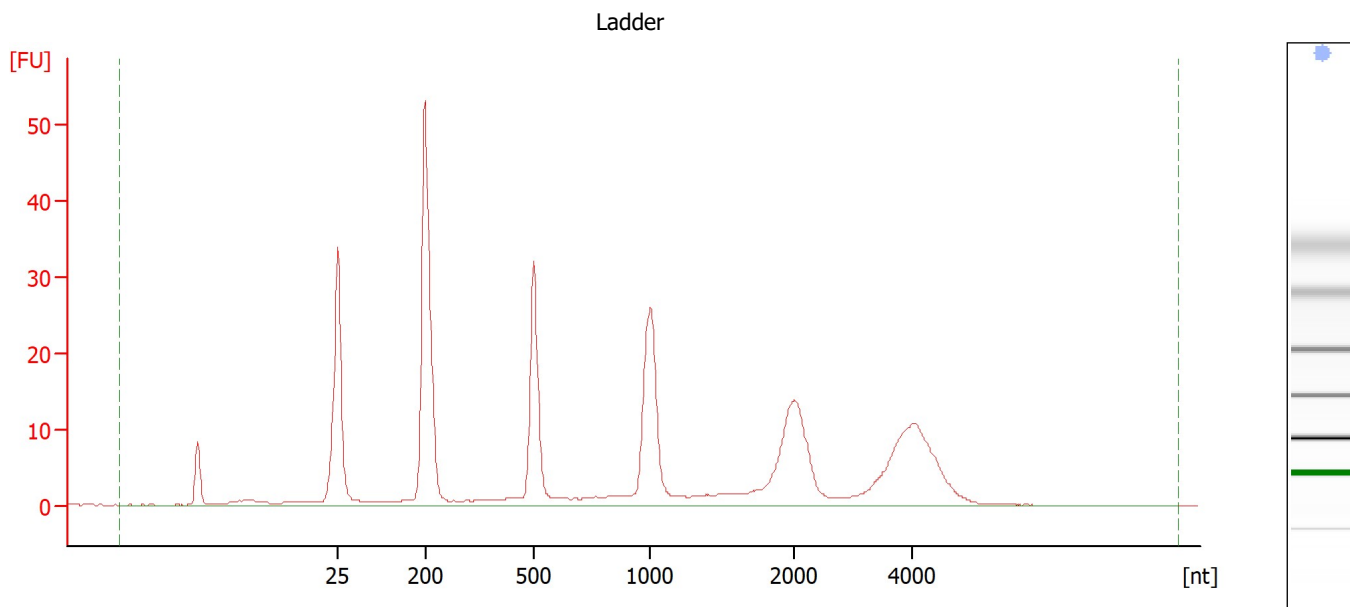
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary



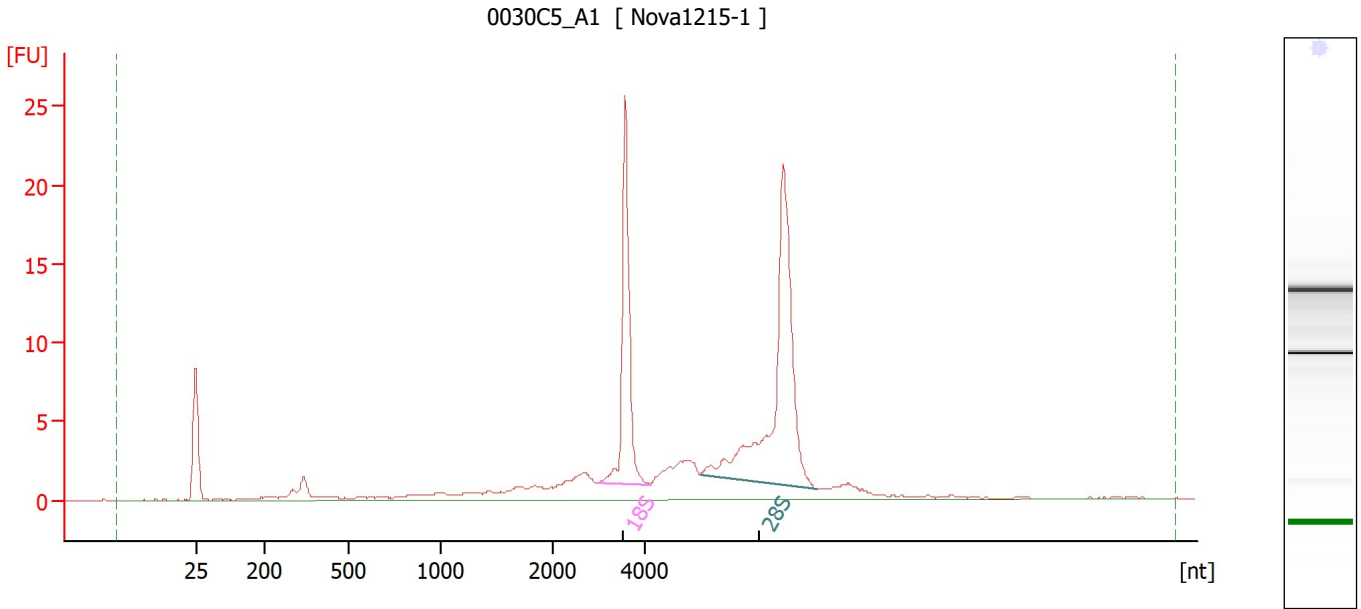
Overall Results for Ladder

RNA Area:	294.0	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 0030C5 A1

RNA Area:	117.4	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	60 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN:9

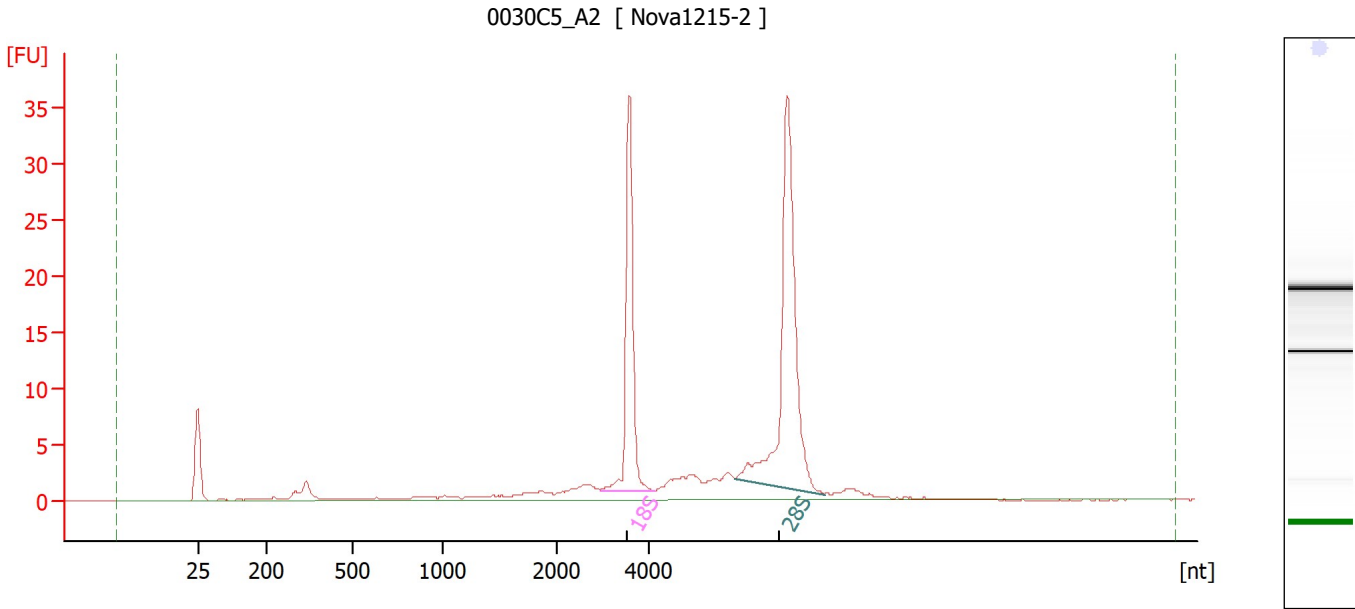
Fragment table for sample 1 : 0030C5 A1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,979	4,109	20.5	17.5
28S	5,193	7,730	38.5	32.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 0030C5_A2

RNA Area:	132.9	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	68 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.40

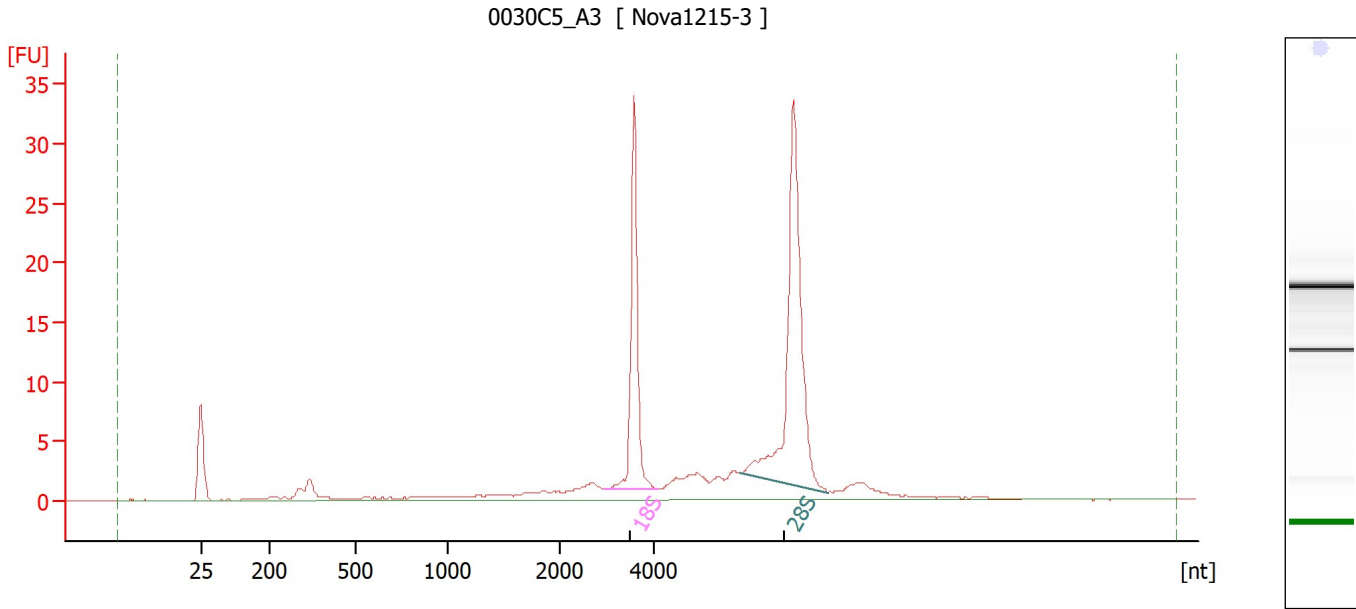
Fragment table for sample 2 : 0030C5_A2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,941	4,113	28.5	21.5
28S	5,858	7,765	49.9	37.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 0030C5_A3

RNA Area:	130.9	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	67 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.30

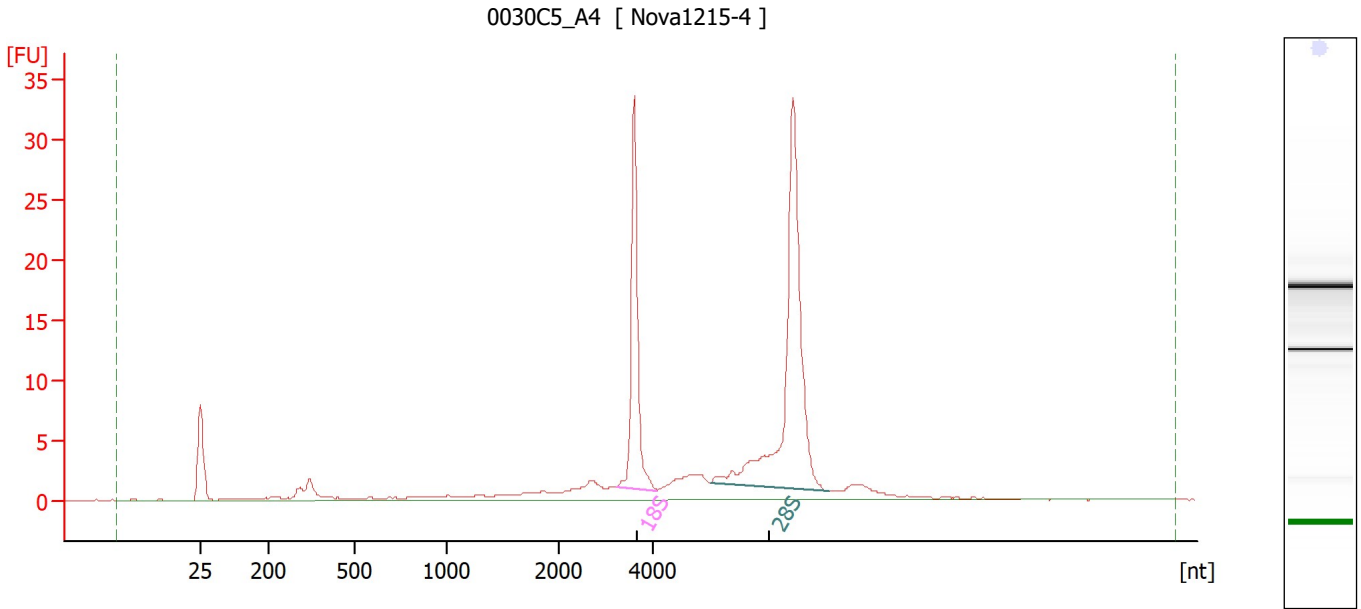
Fragment table for sample 3 : 0030C5_A3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,927	4,071	26.5	20.3
28S	5,832	7,707	46.8	35.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 0030C5_A4

RNA Area:	132.4	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	68 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.40

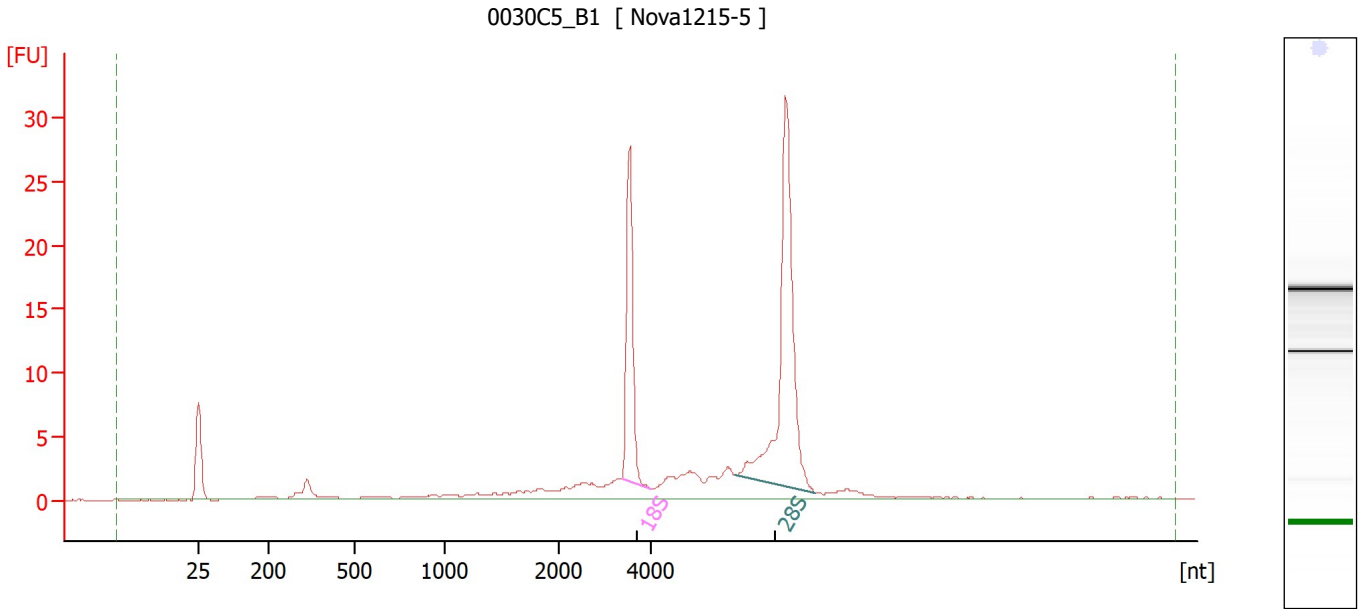
Fragment table for sample 4 : 0030C5_A4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,225	4,094	26.3	19.9
28S	5,214	7,776	52.2	39.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 0030C5 B1

RNA Area:	111.1	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	57 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN:9

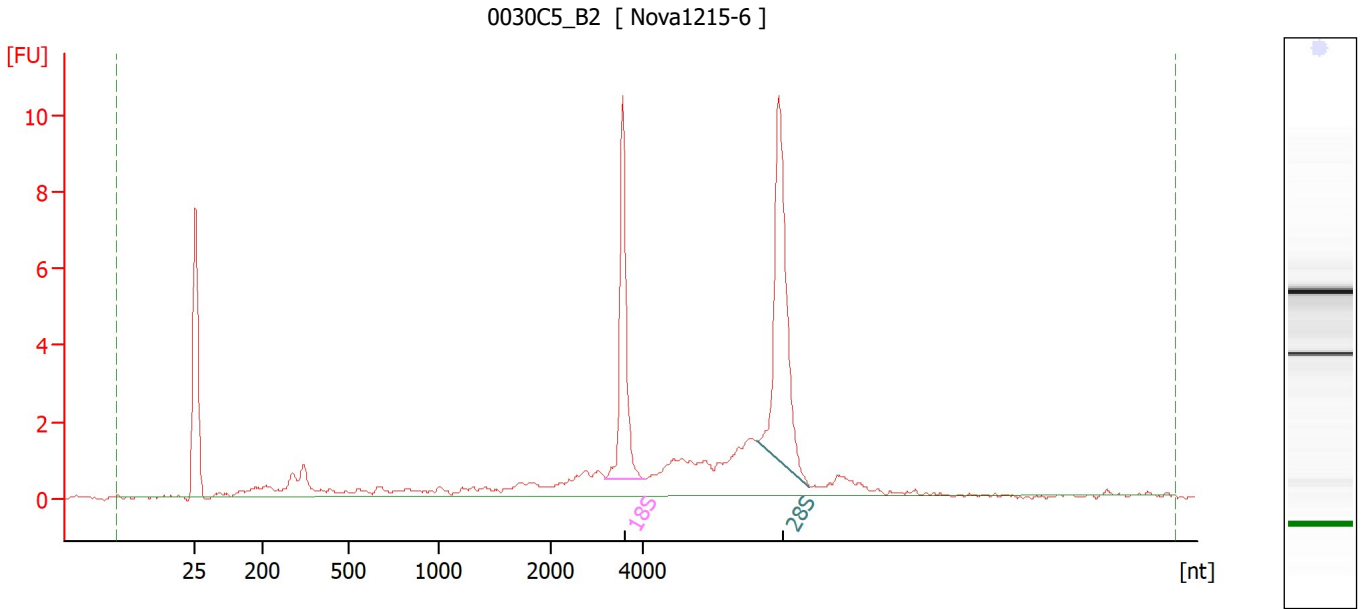
Fragment table for sample 5 : 0030C5 B1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,381	3,977	19.3	17.4
28S	5,788	7,529	40.7	36.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 0030C5_B2

RNA Area:	50.5	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	26 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.60

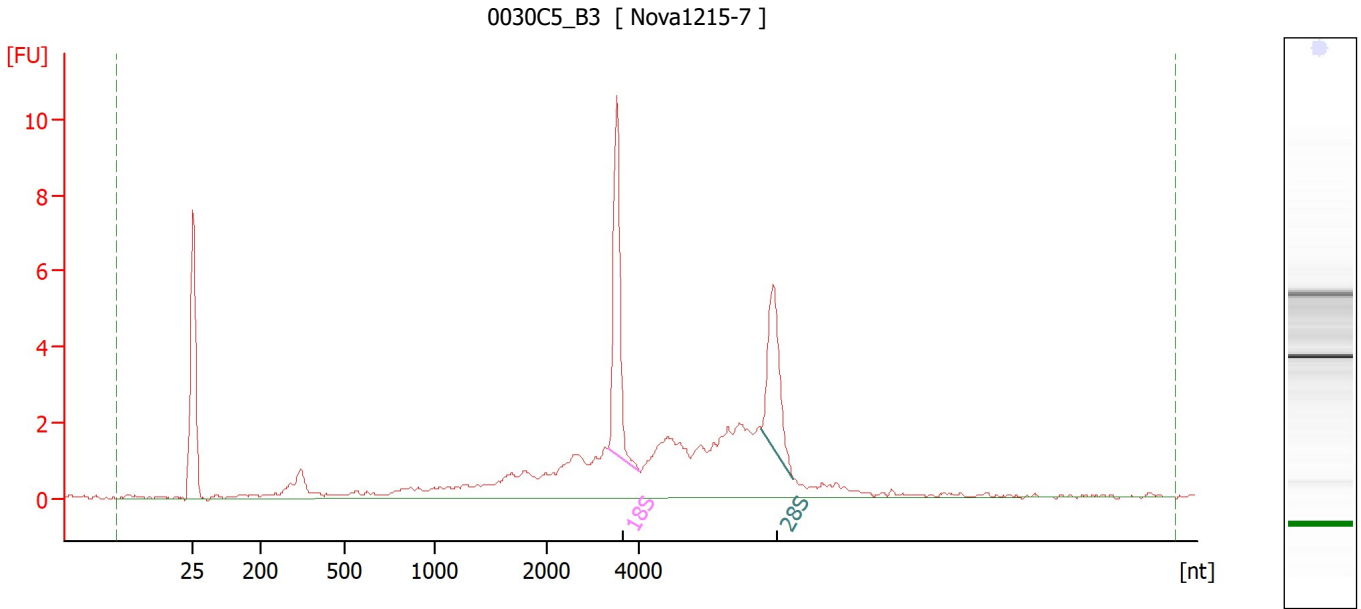
Fragment table for sample 6 : 0030C5_B2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,182	4,038	8.2	16.2
28S	6,465	7,597	12.3	24.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 0030C5 B3

RNA Area:	60.3	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	31 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.10

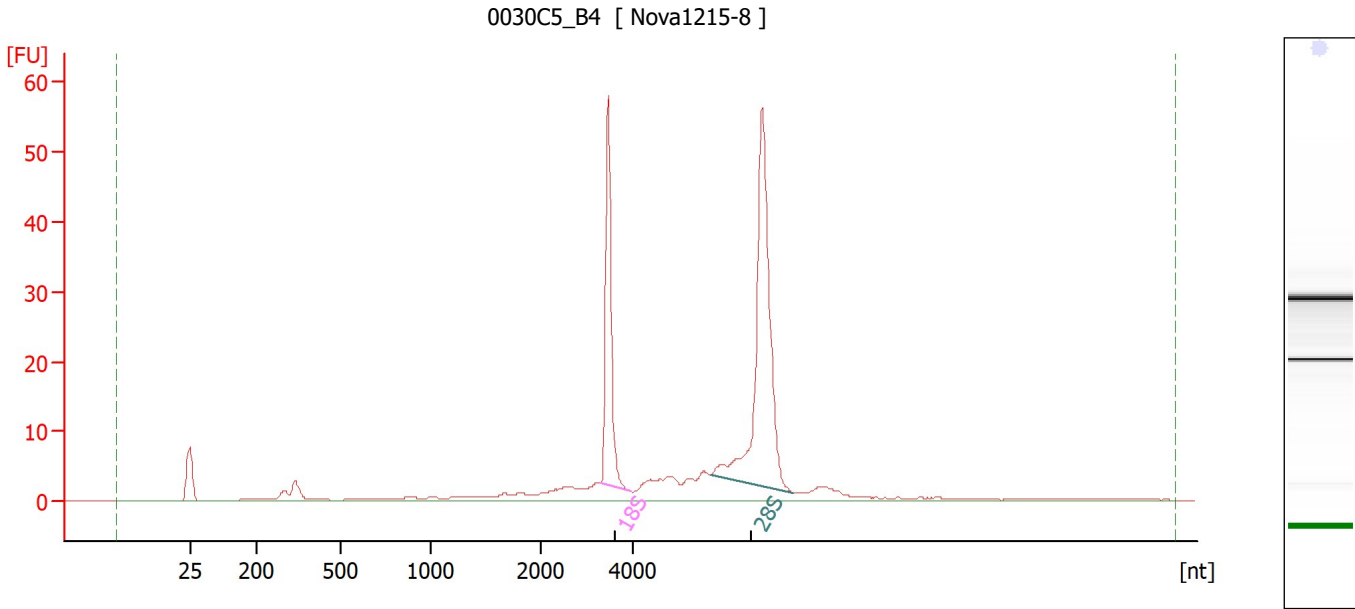
Fragment table for sample 7 : 0030C5 B3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,337	4,010	7.5	12.5
28S	6,657	7,353	5.3	8.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 0030C5_B4

RNA Area:	220.6	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	113 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.30

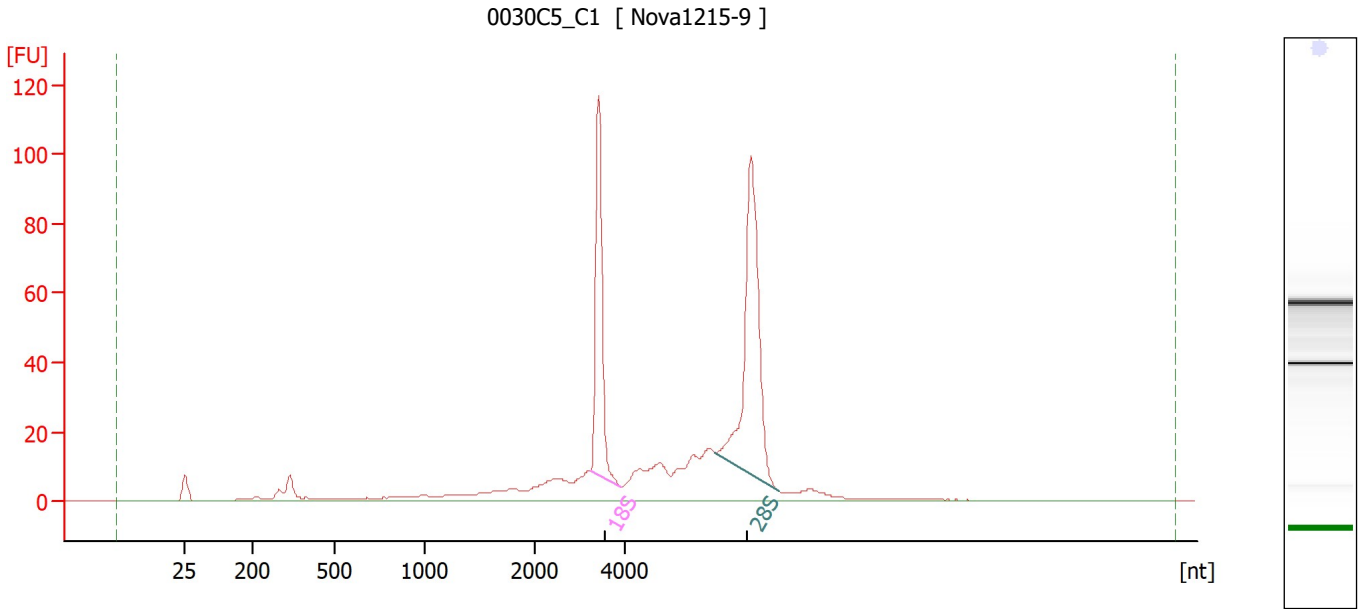
Fragment table for sample 8 : 0030C5_B4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,303	3,957	42.0	19.0
28S	5,710	7,509	81.3	36.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 0030C5_C1

RNA Area:	527.0	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	269 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.50

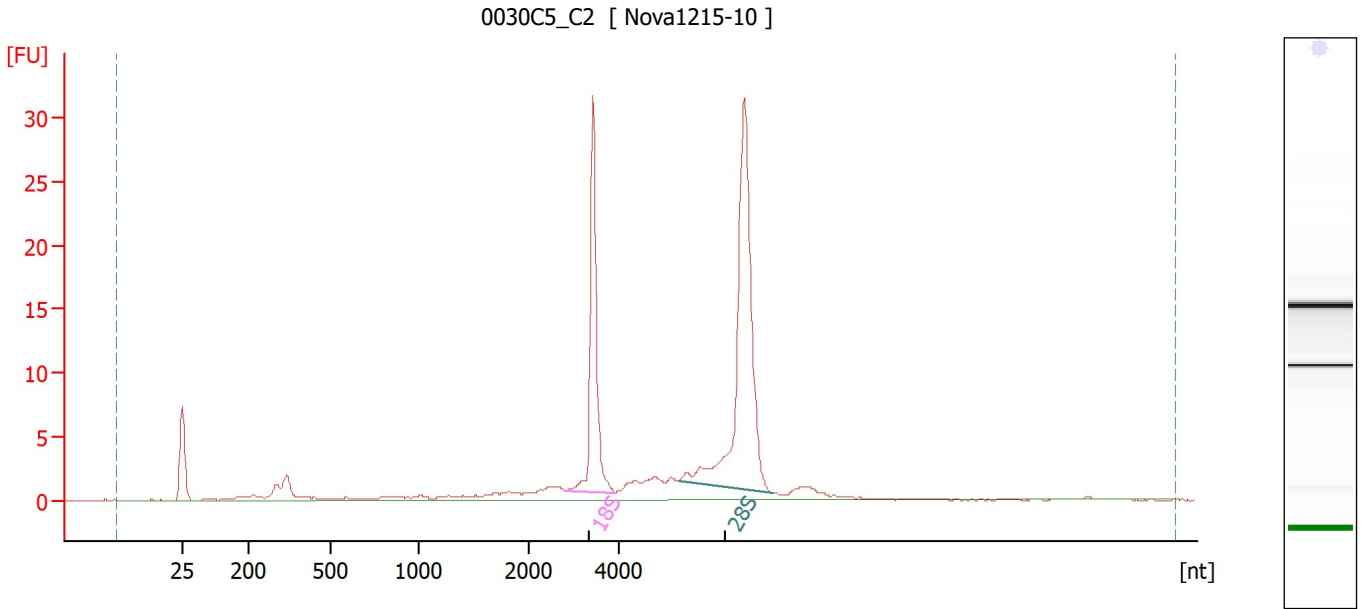
Fragment table for sample 9 : 0030C5_C1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,240	3,901	85.2	16.2
28S	5,999	7,413	140.7	26.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 0030C5_C2

RNA Area:	118.6	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	61 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.50

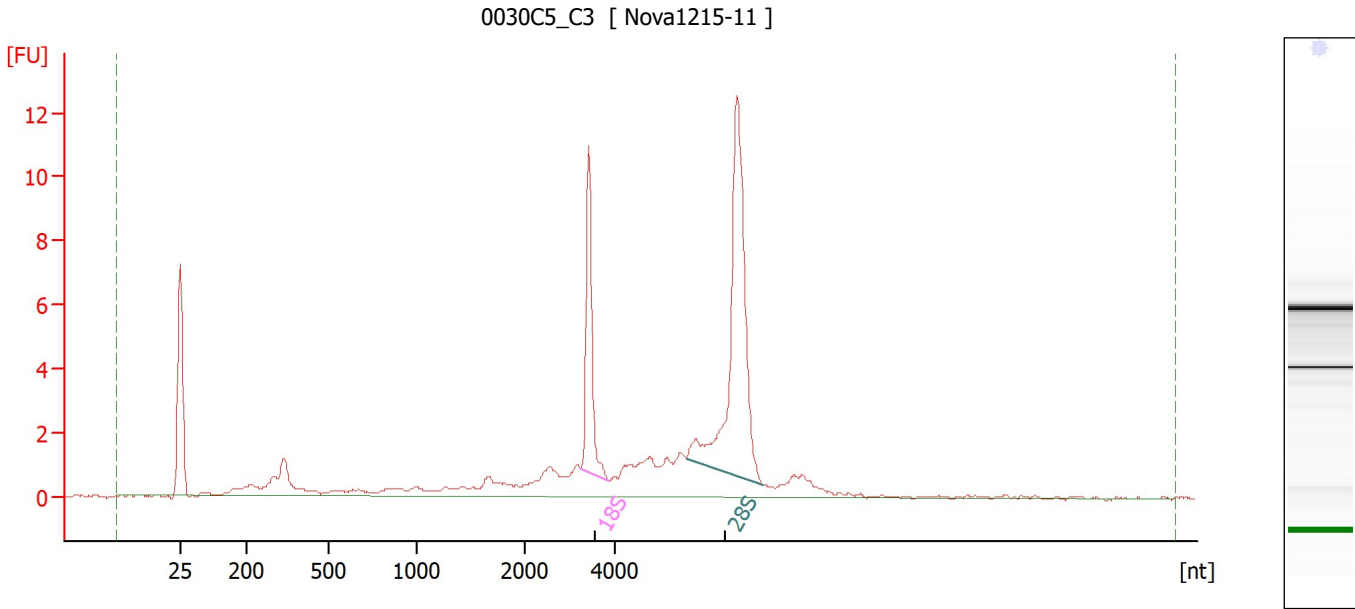
Fragment table for sample 10 : 0030C5_C2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,825	3,917	25.4	21.4
28S	5,341	7,405	47.9	40.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 0030C5_C3

RNA Area:	65.2	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	33 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 8.40

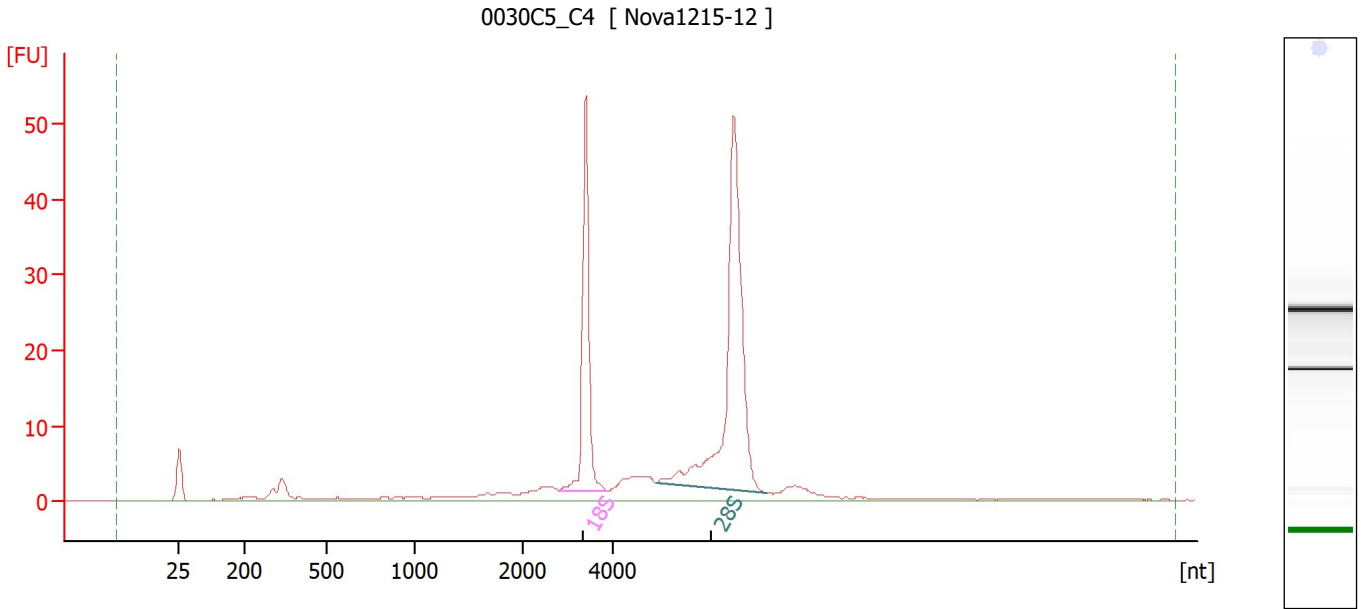
Fragment table for sample 11 : 0030C5_C3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,268	3,888	8.0	12.2
28S	5,604	7,297	19.3	29.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 0030C5_C4

RNA Area:	210.3	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	107 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.50

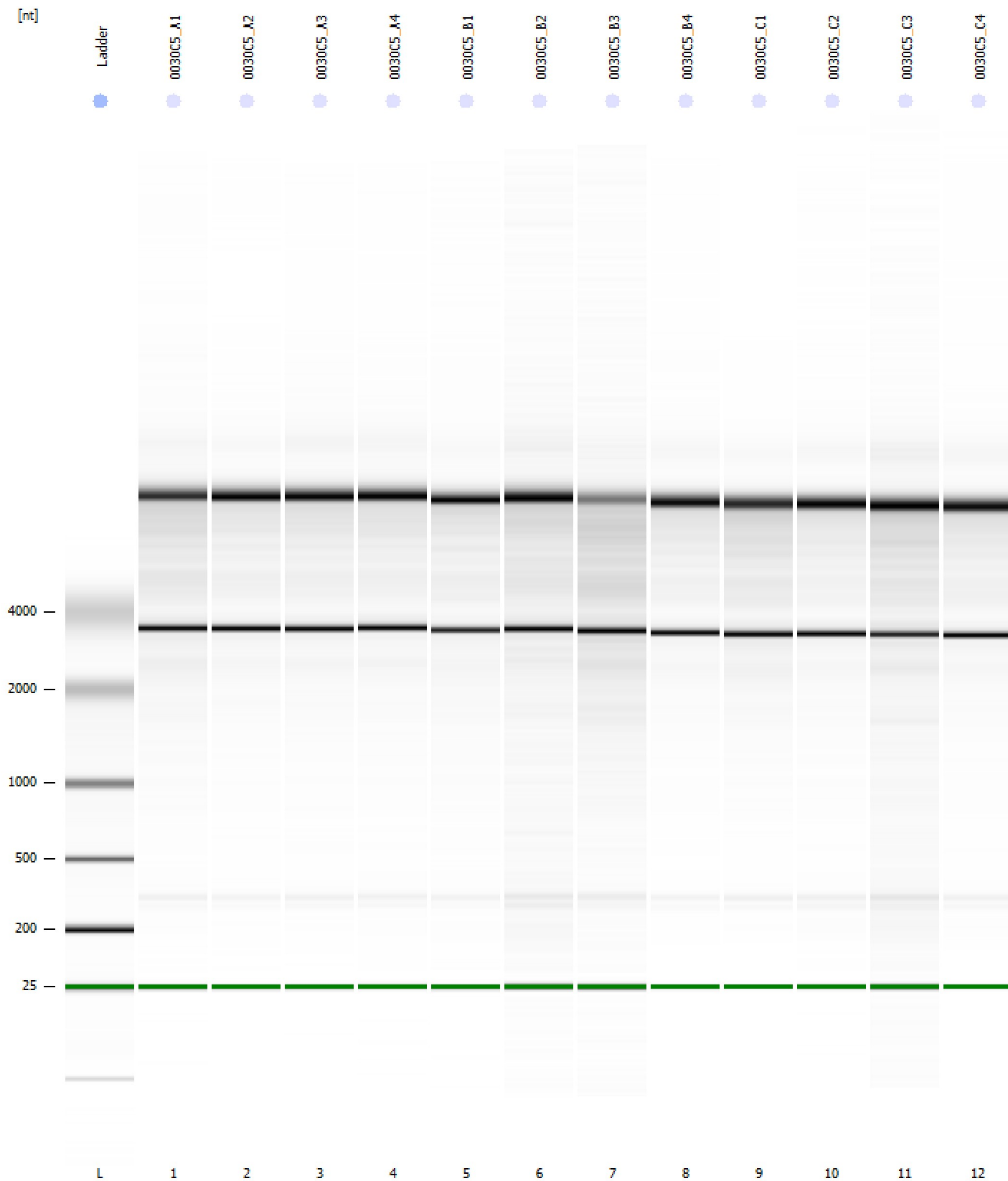
Fragment table for sample 12 : 0030C5_C4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,811	3,886	42.0	20.0
28S	4,985	7,469	85.8	40.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
Modified: 11/26/2024 11:30:03 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad

Created: 11/26/2024 11:07:00 AM
 Modified: 11/26/2024 11:30:03 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		11/26/2024 11:29:57 AM	(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\2024-11-26\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2024-11-26_002.xad)		Instrument	Run		11/26/2024 11:07:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/26/2024 11:07:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/26/2024 11:07:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/26/2024 11:07:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/26/2024 11:07:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/26/2024 11:07:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/26/2024 11:07:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB