

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2023-10-20\_001.xad

Created: 10/20/2023 1:57:03 PM  
Modified: 10/20/2023 2:32:19 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)

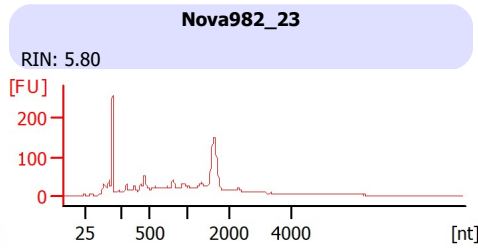
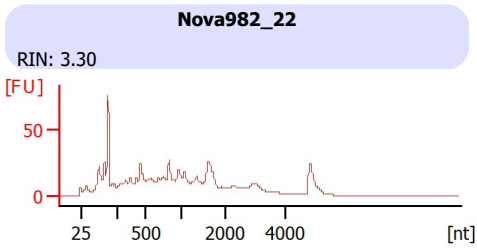
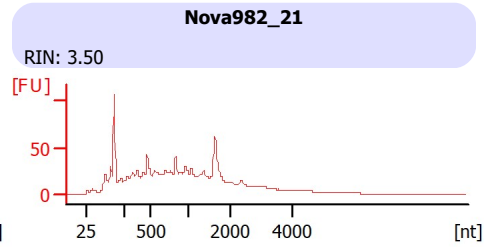
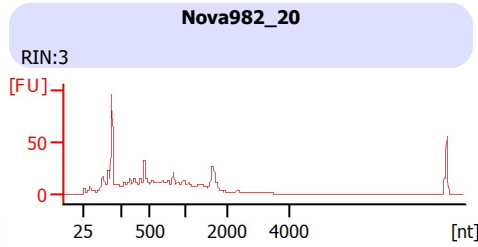
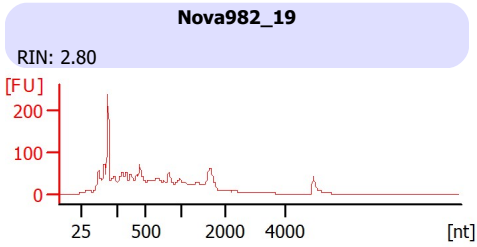
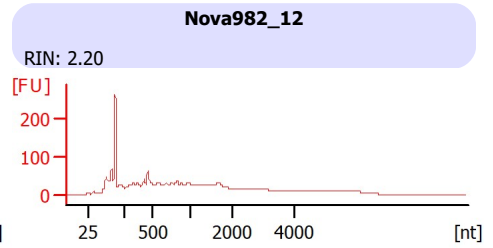
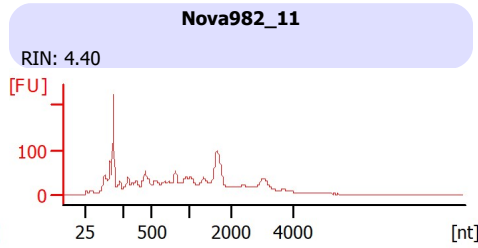
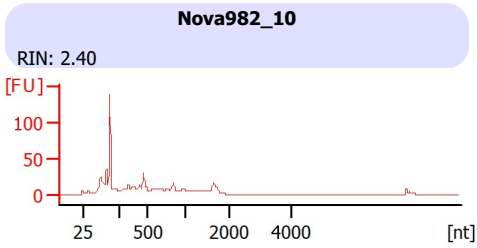
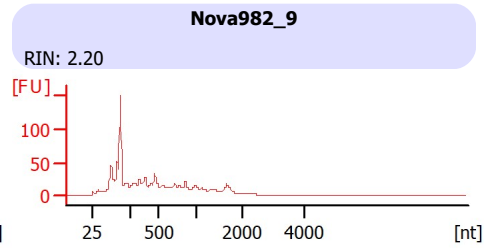
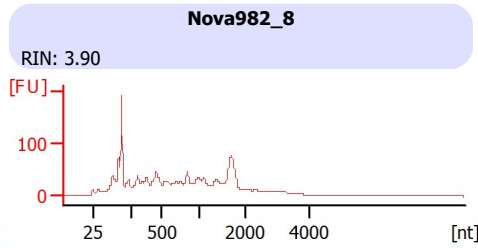
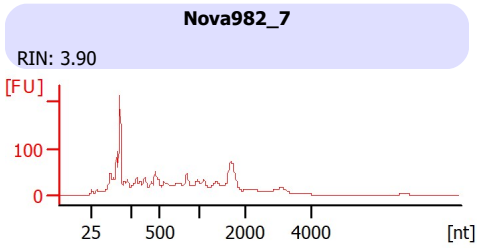
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
Nova982_7		✓	RIN: 3.90	
Nova982_8		✓	RIN: 3.90	
Nova982_9		✓	RIN: 2.20	
Nova982_10		✓	RIN: 2.40	
Nova982_11		✓	RIN: 4.40	
Nova982_12		✓	RIN: 2.20	
Nova982_19		✓	RIN: 2.80	
Nova982_20		✓	RIN:3	
Nova982_21		✓	RIN: 3.50	
Nova982_22		✓	RIN: 3.30	
Nova982_23		✓	RIN: 5.80	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

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**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

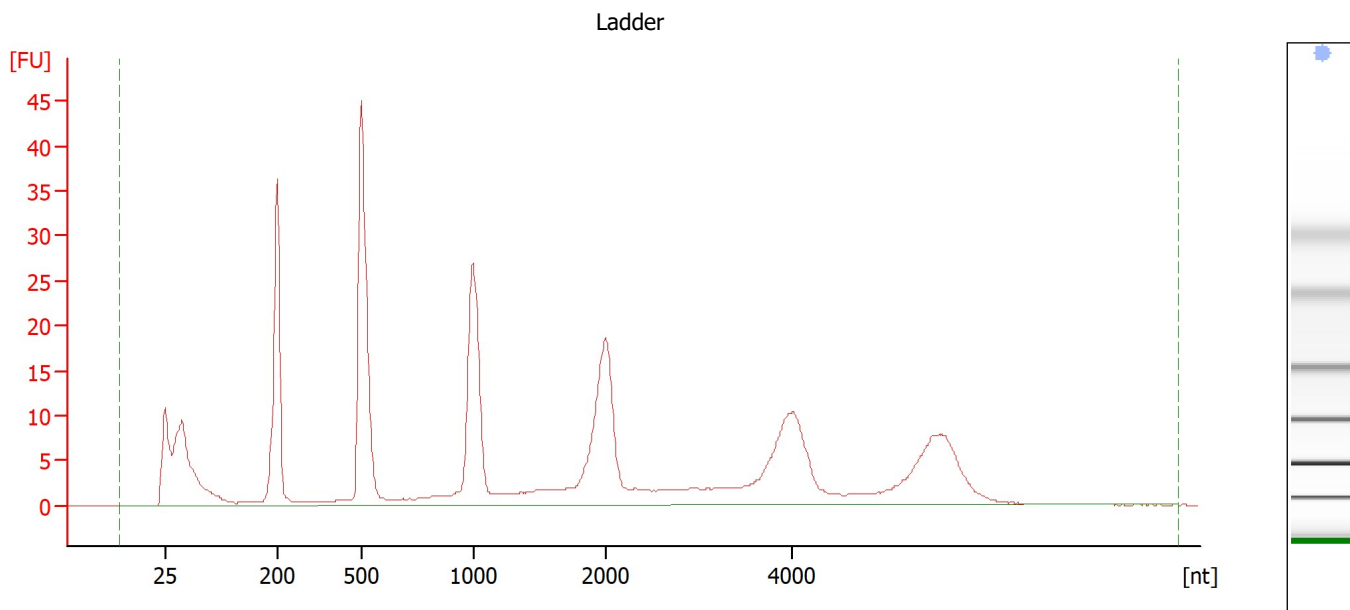
**Ladder**

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

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### Electropherogram Summary



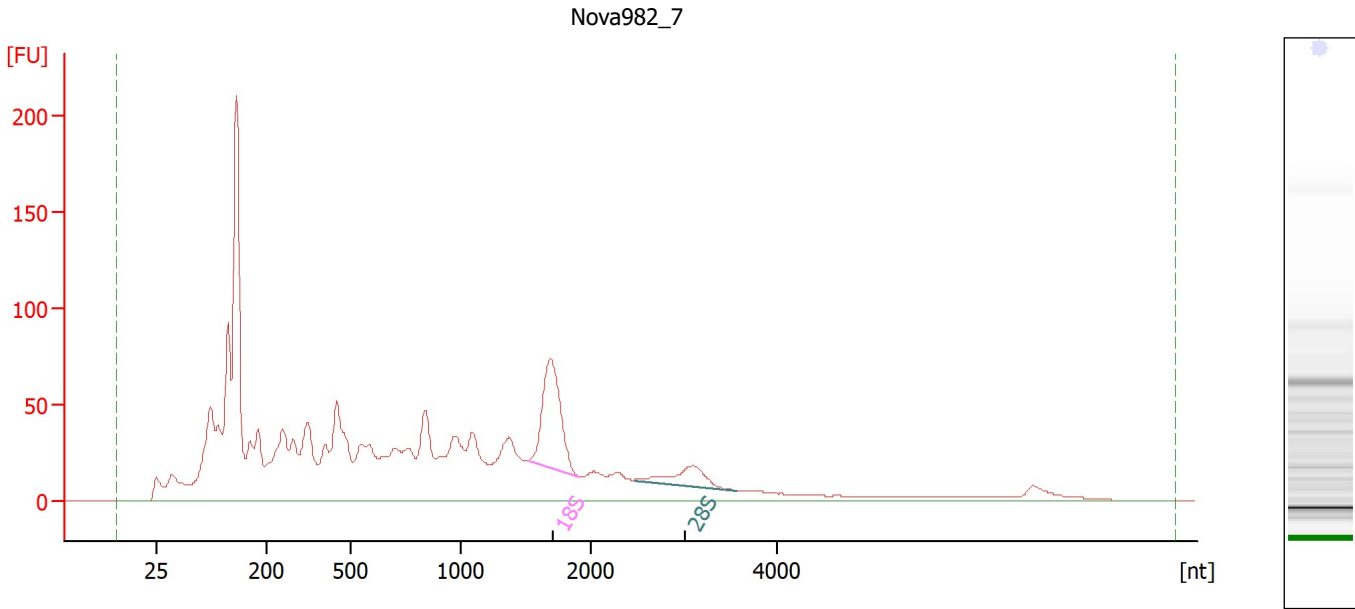
### Overall Results for Ladder

RNA Area:	381.3	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Nova982\_7**

RNA Area:	2,282.2	RNA Integrity Number (RIN):	3.9 (B.02.10)
RNA Concentration:	5,986 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 3.90

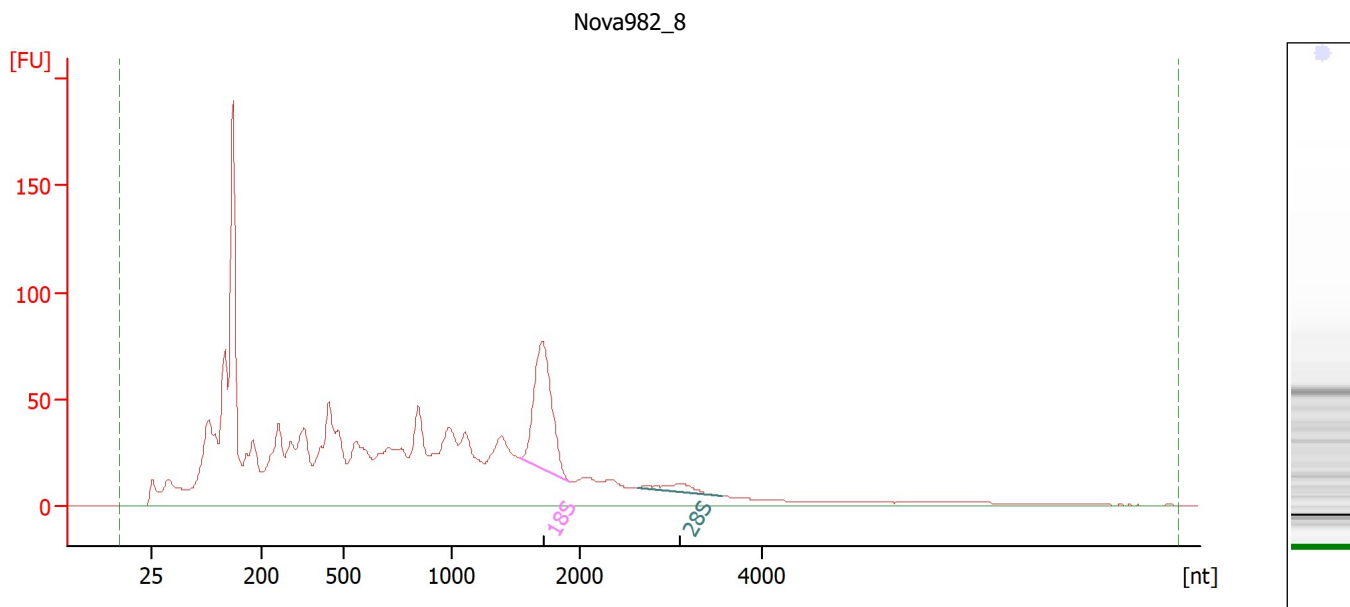
**Fragment table for sample 1 : Nova982\_7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,512	1,907	138.2	6.1
28S	2,459	3,569	38.7	1.7

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 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2023-10-20\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Nova982\_8**

RNA Area:	2,118.1	RNA Integrity Number (RIN):	3.9 (B.02.10)
RNA Concentration:	5,556 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 3.90

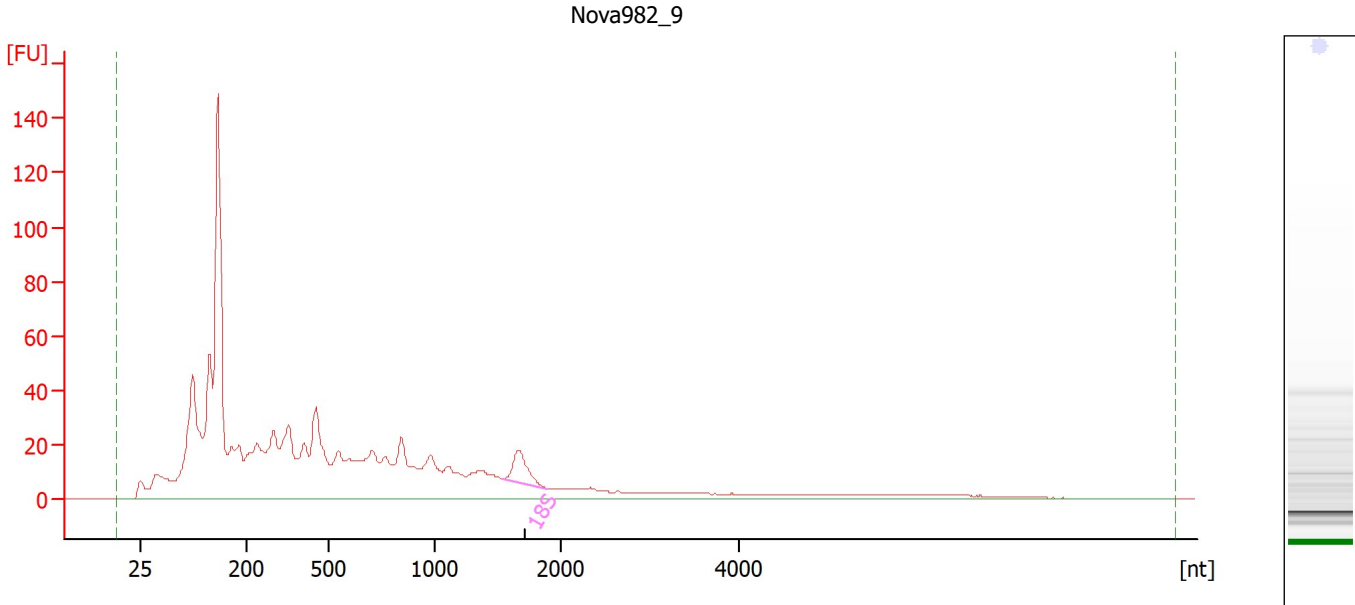
**Fragment table for sample 2 : Nova982\_8**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,535	1,920	143.2	6.8
28S	2,640	3,568	14.0	0.7

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2023-10-20\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Nova982\_9**

RNA Area:	1,250.7	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	3,280 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

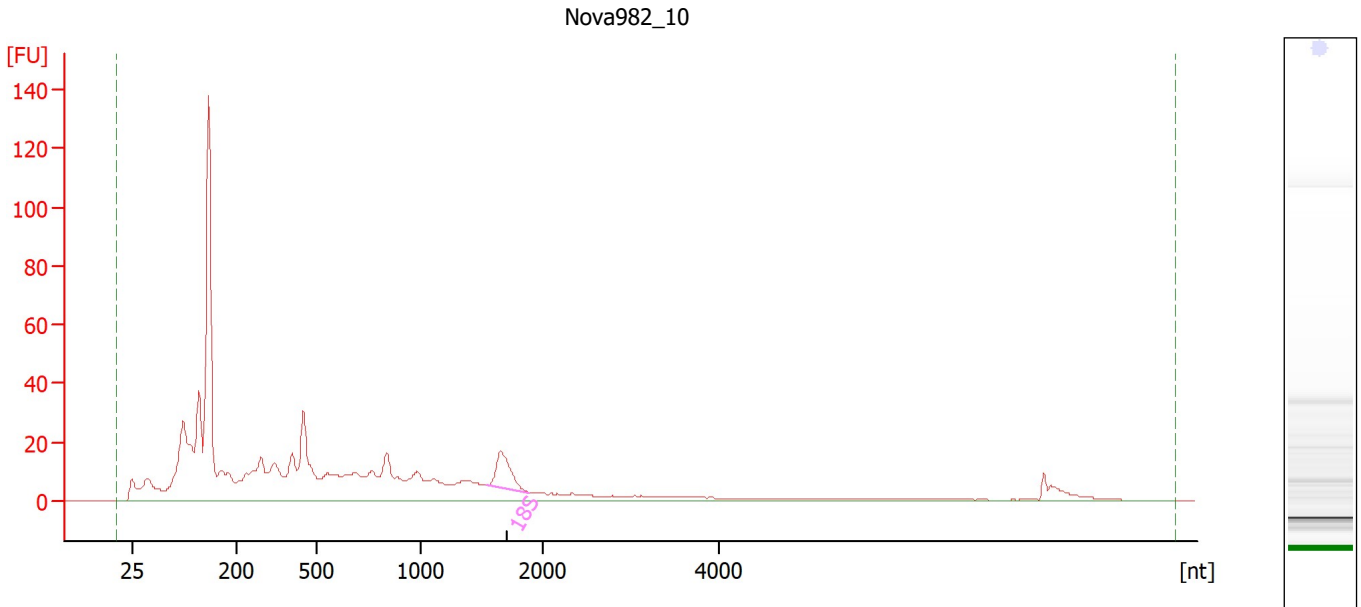
**Fragment table for sample 3 : Nova982\_9**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,540	1,898	22.6	1.8

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2023-10-20\_001.xad

Created: 10/20/2023 1:57:03 PM  
 Modified: 10/20/2023 2:32:19 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Nova982\_10**

RNA Area:	837.6	RNA Integrity Number (RIN):	2.4 (B.02.10)
RNA Concentration:	2,197 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

**Fragment table for sample 4 : Nova982\_10**

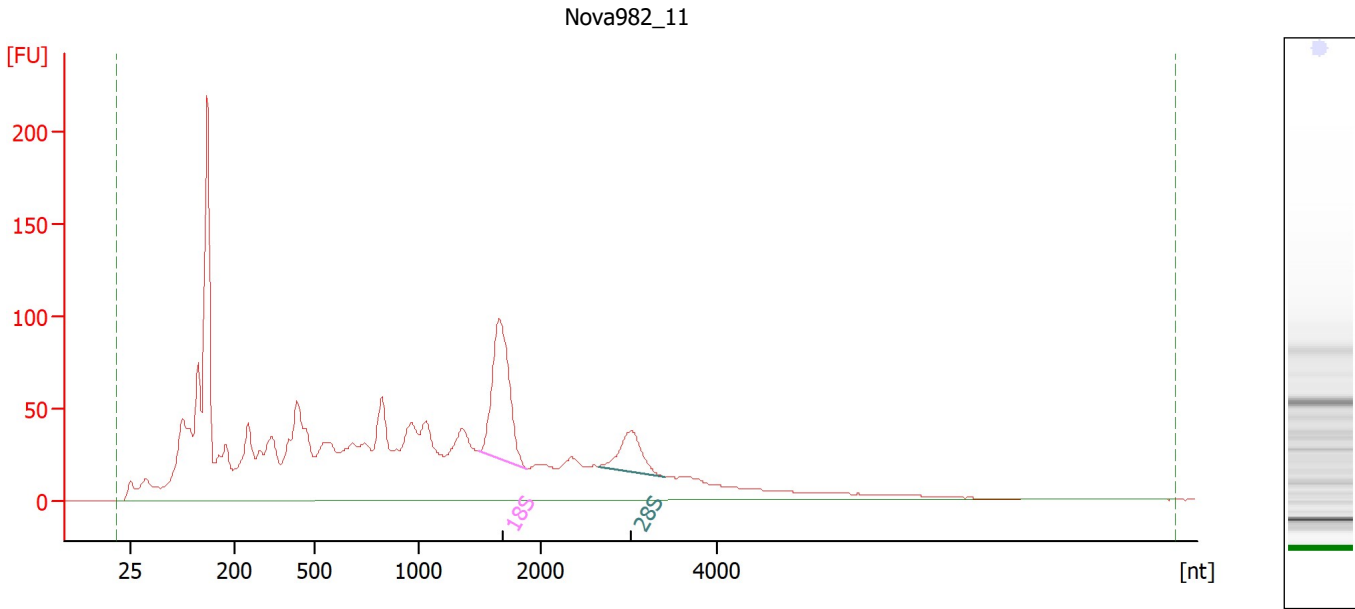
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,545	1,875	24.3	2.9



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2023-10-20\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Nova982\_11**

RNA Area:	2,654.1	RNA Integrity Number (RIN):	4.4 (B.02.10)
RNA Concentration:	6,961 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 4.40

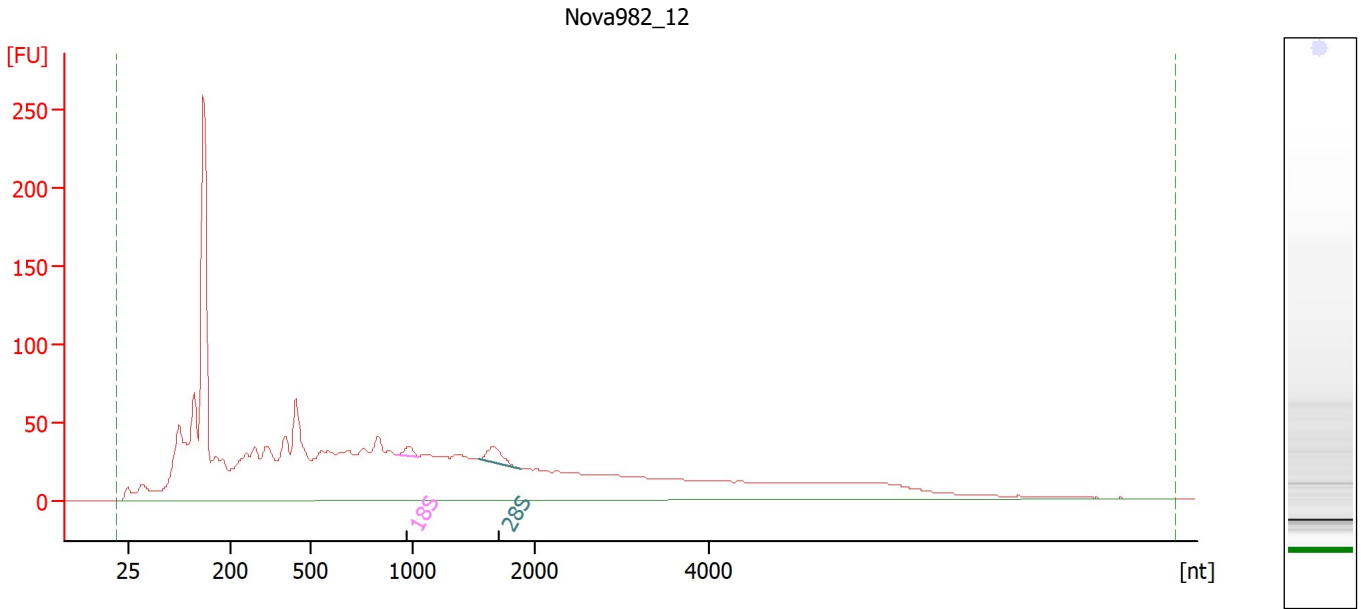
**Fragment table for sample 5 : Nova982\_11**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,482	1,883	186.5	7.0
28S	2,657	3,416	59.7	2.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2023-10-20\_001.xad

Created: 10/20/2023 1:57:03 PM  
 Modified: 10/20/2023 2:32:19 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Nova982\_12**

RNA Area:	2,598.4	RNA Integrity Number (RIN):	2.2 (B.02.10)
RNA Concentration:	6,815 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.9	Result Flagging Label:	RIN: 2.20

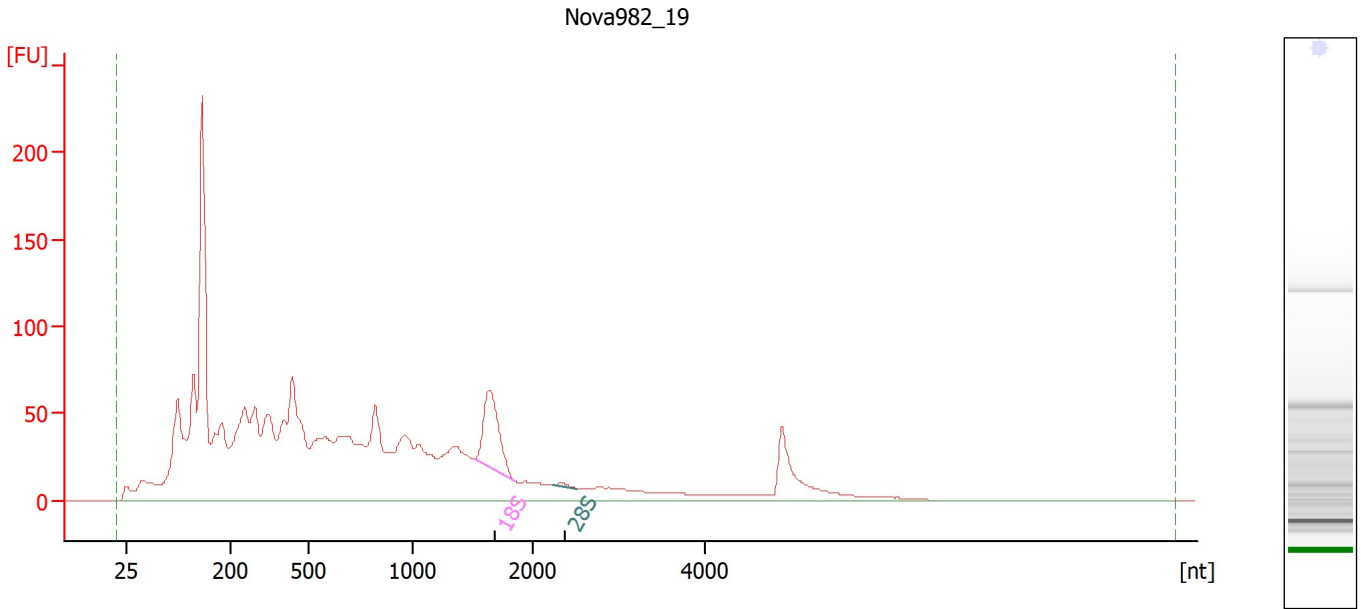
**Fragment table for sample 6 : Nova982\_12**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	919	1,038	7.6	0.3
28S	1,539	1,872	22.1	0.9

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2023-10-20\_001.xad

Created: 10/20/2023 1:57:03 PM  
 Modified: 10/20/2023 2:32:19 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Nova982\_19**

RNA Area:	2,619.2	RNA Integrity Number (RIN):	2.8 (B.02.10)
RNA Concentration:	6,870 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.80

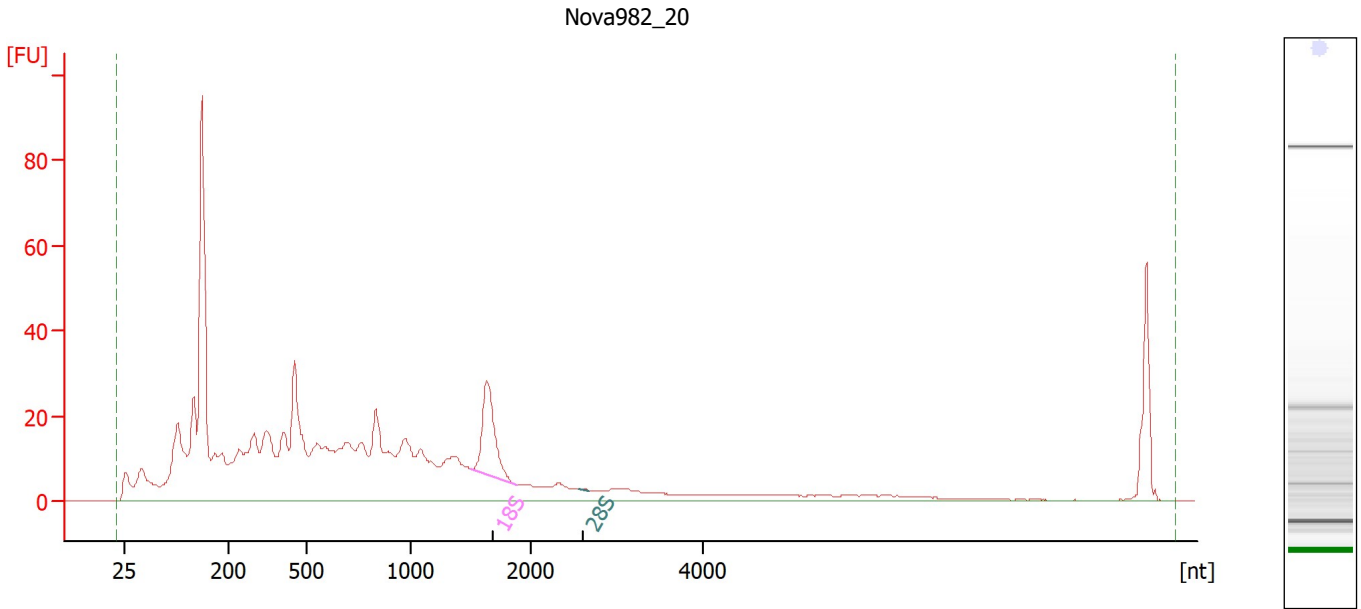
**Fragment table for sample 7 : Nova982\_19**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,511	1,845	100.1	3.8
28S	2,228	2,500	2.6	0.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2023-10-20\_001.xad

Created: 10/20/2023 1:57:03 PM  
 Modified: 10/20/2023 2:32:19 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Nova982\_20**

RNA Area:	926.0	RNA Integrity Number (RIN):	3 (B.02.10)
RNA Concentration:	2,429 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

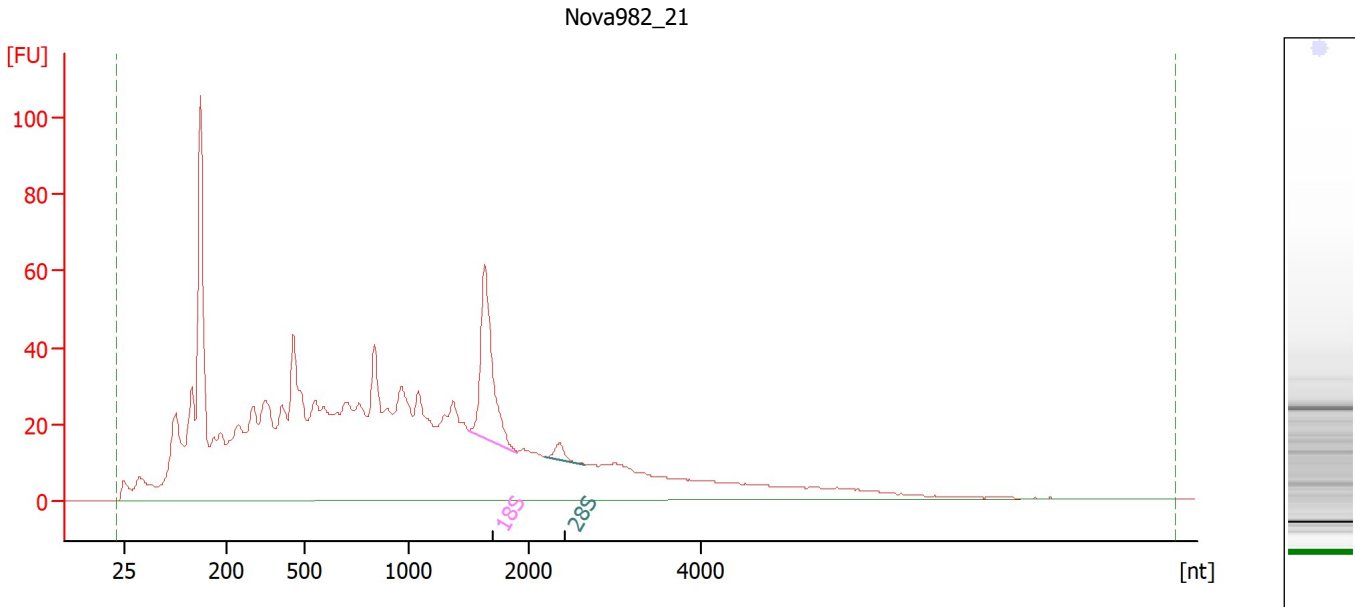
**Fragment table for sample 8 : Nova982\_20**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,509	1,880	39.7	4.3
28S	2,563	2,675	0.2	0.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2023-10-20\_001.xad

Created: 10/20/2023 1:57:03 PM  
 Modified: 10/20/2023 2:32:19 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : Nova982\_21**

RNA Area:	1,660.6	RNA Integrity Number (RIN):	3.5 (B.02.10)
RNA Concentration:	4,356 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 3.50

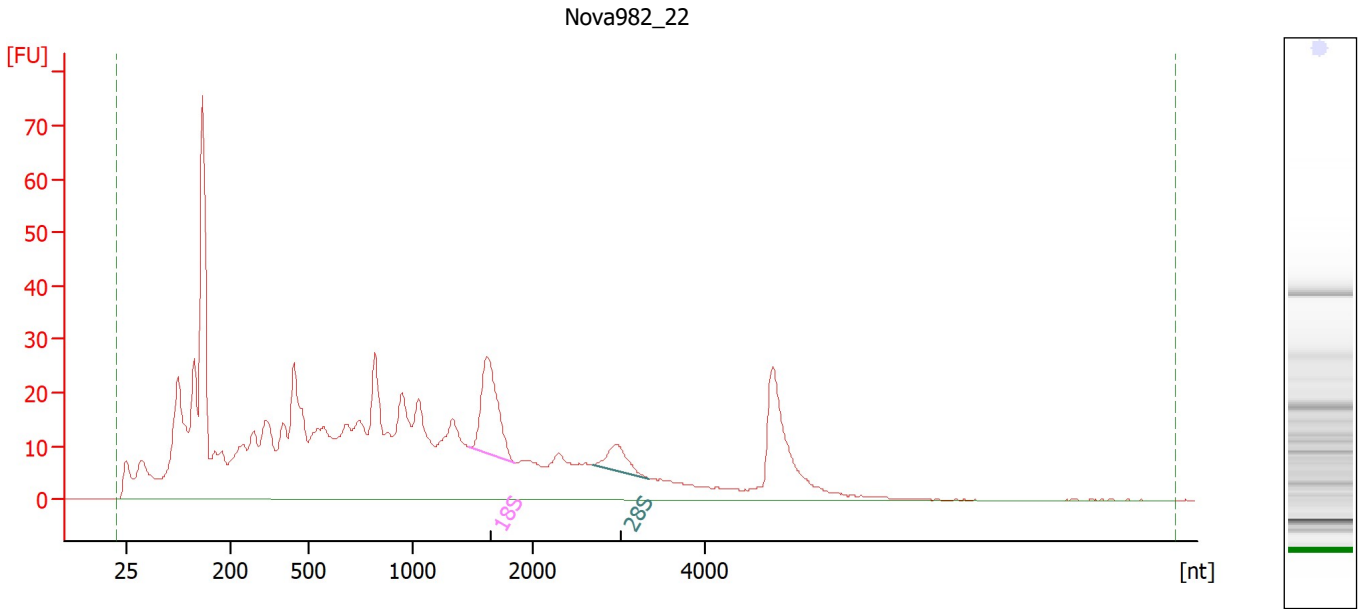
**Fragment table for sample 9 : Nova982\_21**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,507	1,906	76.3	4.6
28S	2,178	2,638	6.0	0.4

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2023-10-20\_001.xad

Created: 10/20/2023 1:57:03 PM  
 Modified: 10/20/2023 2:32:19 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : Nova982\_22**

RNA Area:	1,030.6	RNA Integrity Number (RIN):	3.3 (B.02.10)
RNA Concentration:	2,703 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 3.30

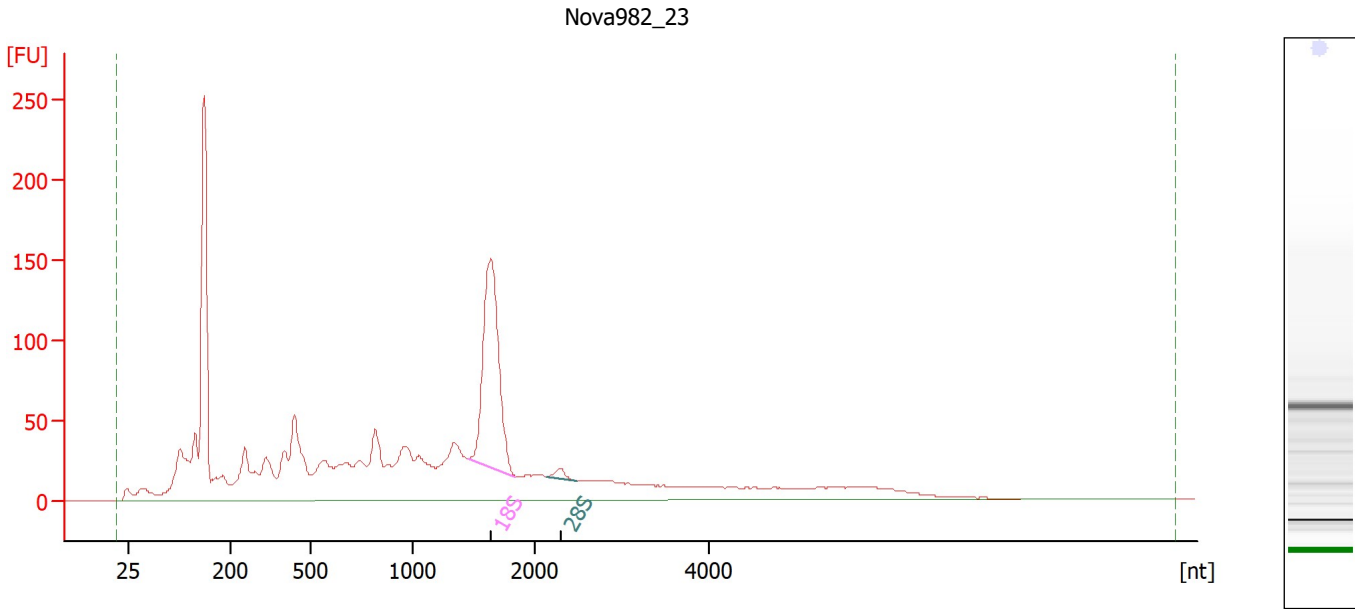
**Fragment table for sample 10 : Nova982\_22**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,476	1,854	43.9	4.3
28S	2,698	3,329	11.8	1.1

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Created: 10/20/2023 1:57:03 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : Nova982\_23**

RNA Area:	2,254.8	RNA Integrity Number (RIN):	5.8 (B.02.10)
RNA Concentration:	5,914 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.80

**Fragment table for sample 11 : Nova982\_23**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,460	1,837	292.9	13.0
28S	2,142	2,487	8.2	0.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...zer1\_Eukaryote Total RNA Pico\_DE34903152\_2023-10-20\_001.xad

Created: 10/20/2023 1:57:03 PM  
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**Gel Image**

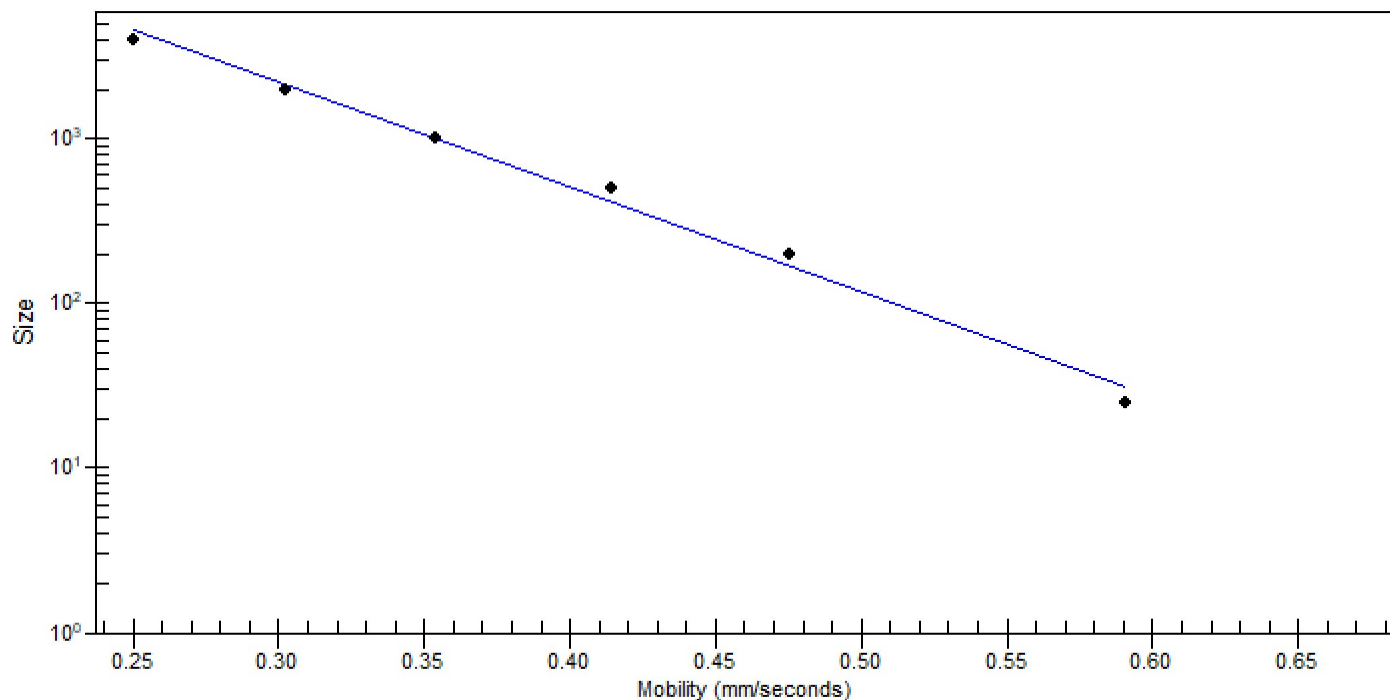


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**Curves**

**Standard Curve**



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**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		10/20/2023 2:19:59 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\2023-10-20\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-10-20_001.xad)		Instrument	Run		10/20/2023 1:57:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/20/2023 1:57:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/20/2023 1:57:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/20/2023 1:57:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/20/2023 1:57:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/20/2023 1:57:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/20/2023 1:57:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB