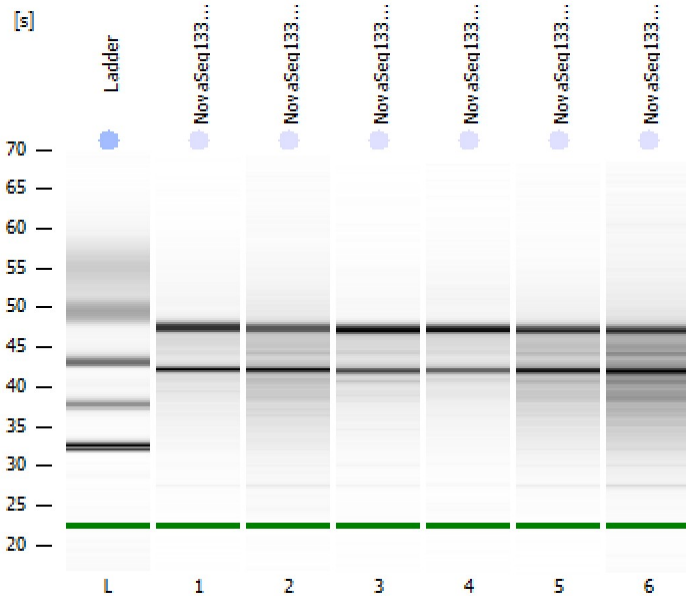


Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
Modified: 12/18/2019 3:51:57 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

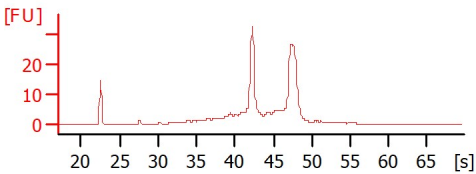
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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.

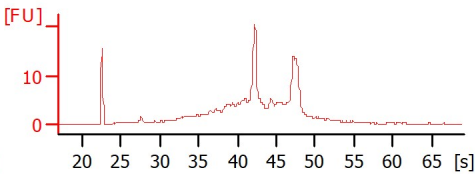
Chip Information:

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

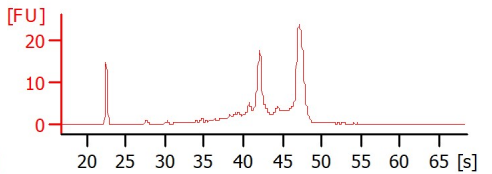
**NovaSeq133-1 DNase RNA**  
RIN: 8.50



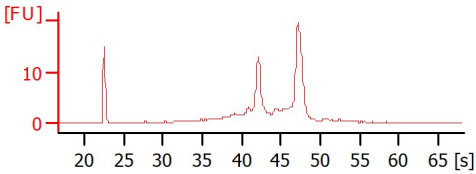
**NovaSeq133-2 DNase RNA**  
RIN: 6.90



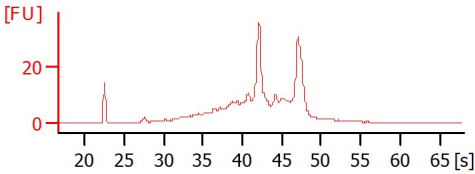
**NovaSeq133-3 DNase RNA**  
RIN: 8.30



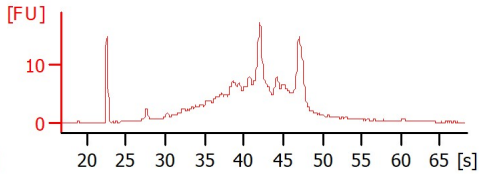
**NovaSeq133-4 DNase RNA**  
RIN: 8.40



**NovaSeq133-5 DNase RNA**  
RIN: 6.80



**NovaSeq133-6 DNase RNA**  
RIN: 6



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
 Modified: 12/18/2019 3:51:57 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
NovaSeq133-1 DNase RNA		✓	RIN: 8.50	
NovaSeq133-2 DNase RNA		✓	RIN: 6.90	
NovaSeq133-3 DNase RNA		✓	RIN: 8.30	
NovaSeq133-4 DNase RNA		✓	RIN: 8.40	
NovaSeq133-5 DNase RNA		✓	RIN: 6.80	
NovaSeq133-6 DNase RNA		✓	RIN:6	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
Modified: 12/18/2019 3:51:57 PM

## 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

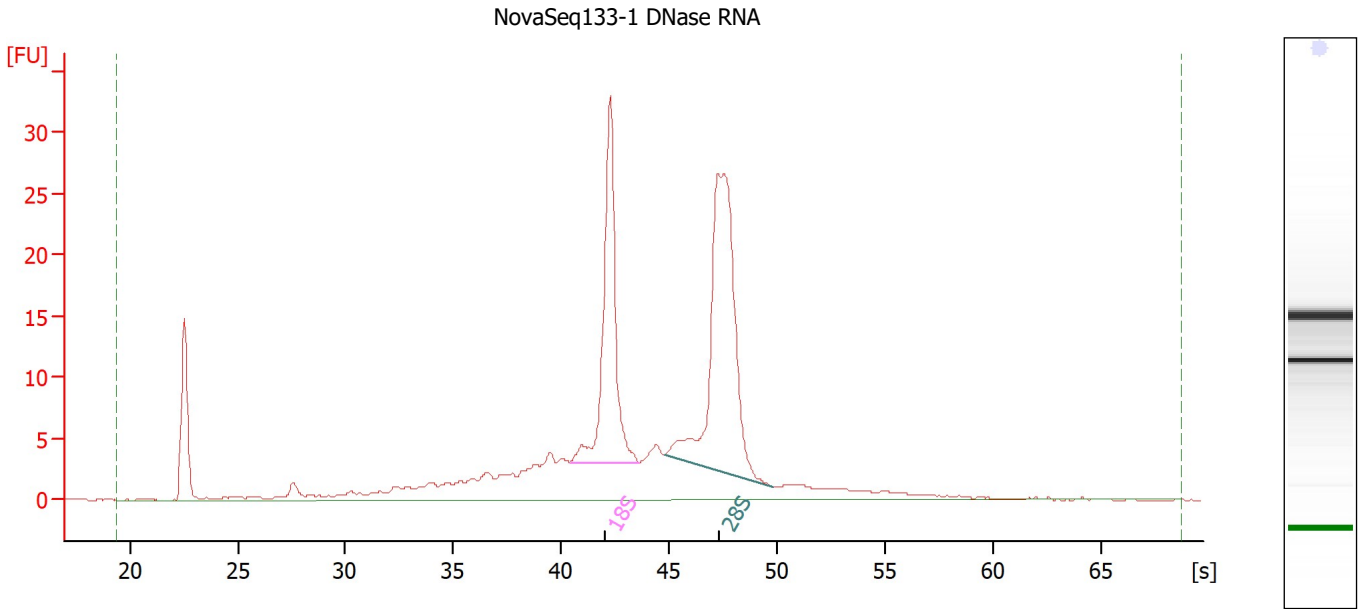
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
 Modified: 12/18/2019 3:51:57 PM

**Electropherogram Summary**



**Overall Results for sample 1 : NovaSeq133-1 DNase RNA**

RNA Area:	238.8	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	176 ng/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]:	1.5	Result Flagging Label:	RIN: 8.50

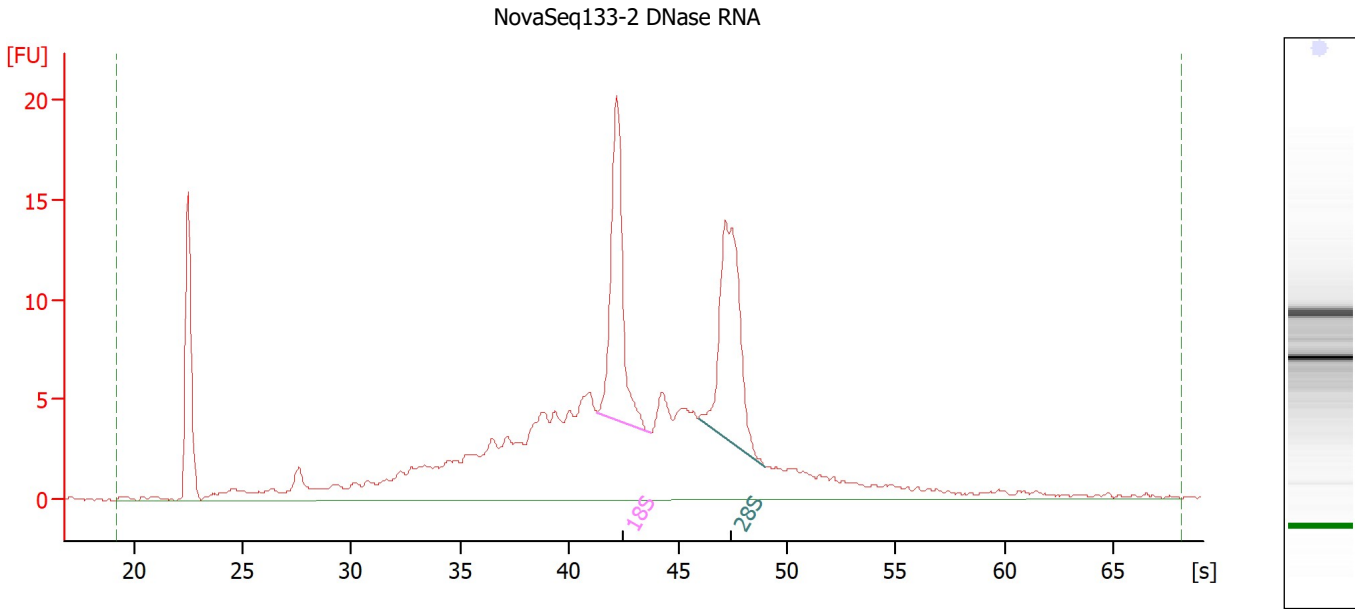
**Fragment table for sample 1 : NovaSeq133-1 DNase RNA**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.42	43.61	45.0	18.9
28S	44.75	49.78	68.2	28.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
 Modified: 12/18/2019 3:51:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : NovaSeq133-2 DNase RNA**

RNA Area:	218.7	RNA Integrity Number (RIN):	6.9 (B.02.10)
RNA Concentration:	161 ng/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]:	1.1	Result Flagging Label:	RIN: 6.90

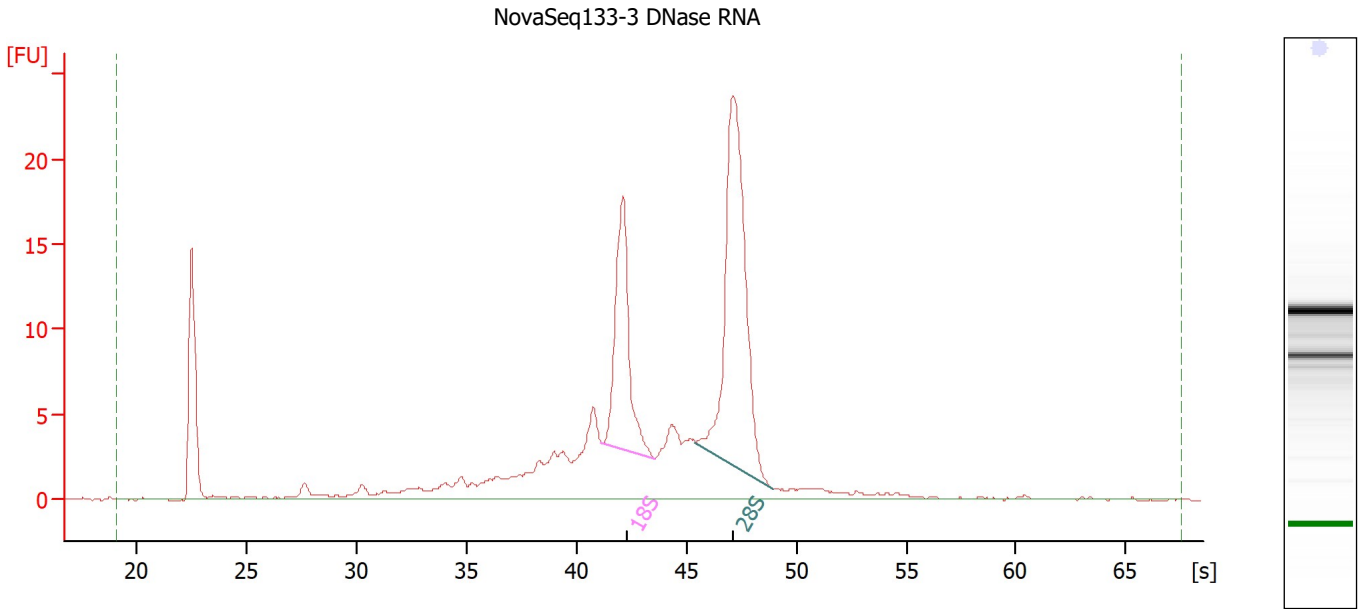
**Fragment table for sample 2 : NovaSeq133-2 DNase RNA**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.30	43.72	23.4	10.7
28S	45.94	49.00	24.9	11.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
 Modified: 12/18/2019 3:51:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : NovaSeq133-3 DNase RNA**

RNA Area:	170.4	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	126 ng/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]:	2.0	Result Flagging Label:	RIN: 8.30

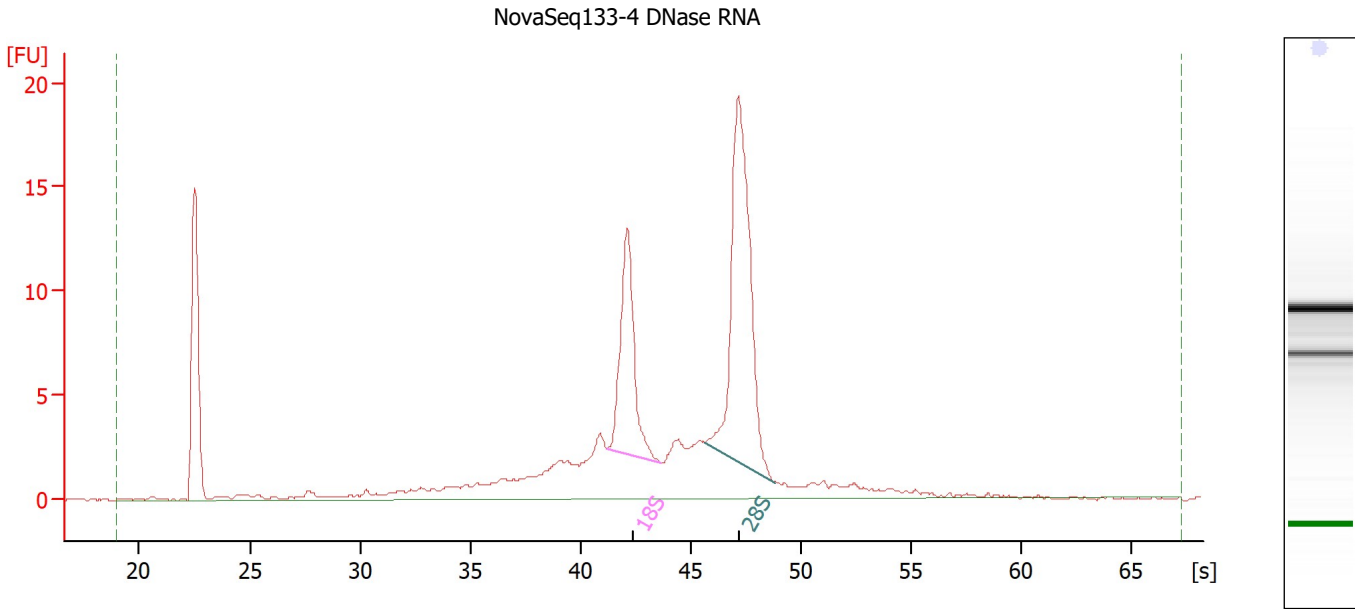
**Fragment table for sample 3 : NovaSeq133-3 DNase RNA**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.14	43.53	25.0	14.7
28S	45.39	48.91	48.8	28.7

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
 Modified: 12/18/2019 3:51:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : NovaSeq133-4 DNase RNA**

RNA Area:	129.3	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	96 ng/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]:	2.0	Result Flagging Label:	RIN: 8.40

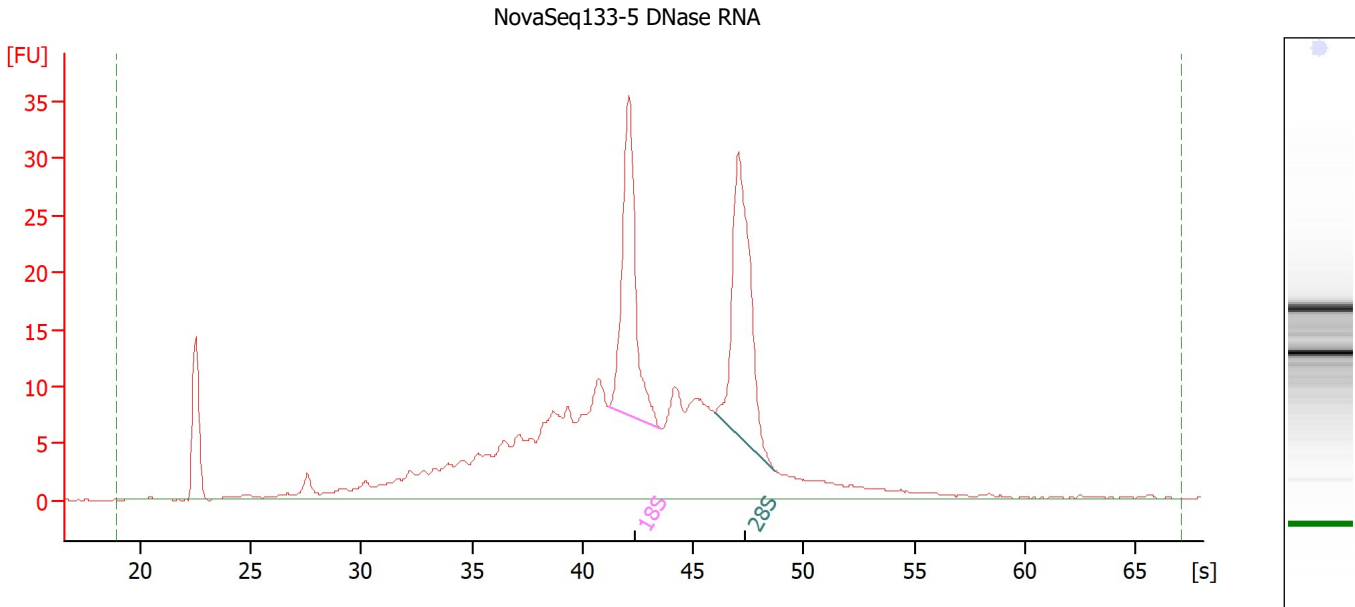
**Fragment table for sample 4 : NovaSeq133-4 DNase RNA**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.20	43.69	18.1	14.0
28S	45.63	48.80	35.8	27.7

Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
 Modified: 12/18/2019 3:51:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : NovaSeq133-5 DNase RNA**

RNA Area:	375.6	RNA Integrity Number (RIN):	6.8 (B.02.10)
RNA Concentration:	277 ng/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]:	1.1	Result Flagging Label:	RIN: 6.80

**Fragment table for sample 5 : NovaSeq133-5 DNase RNA**

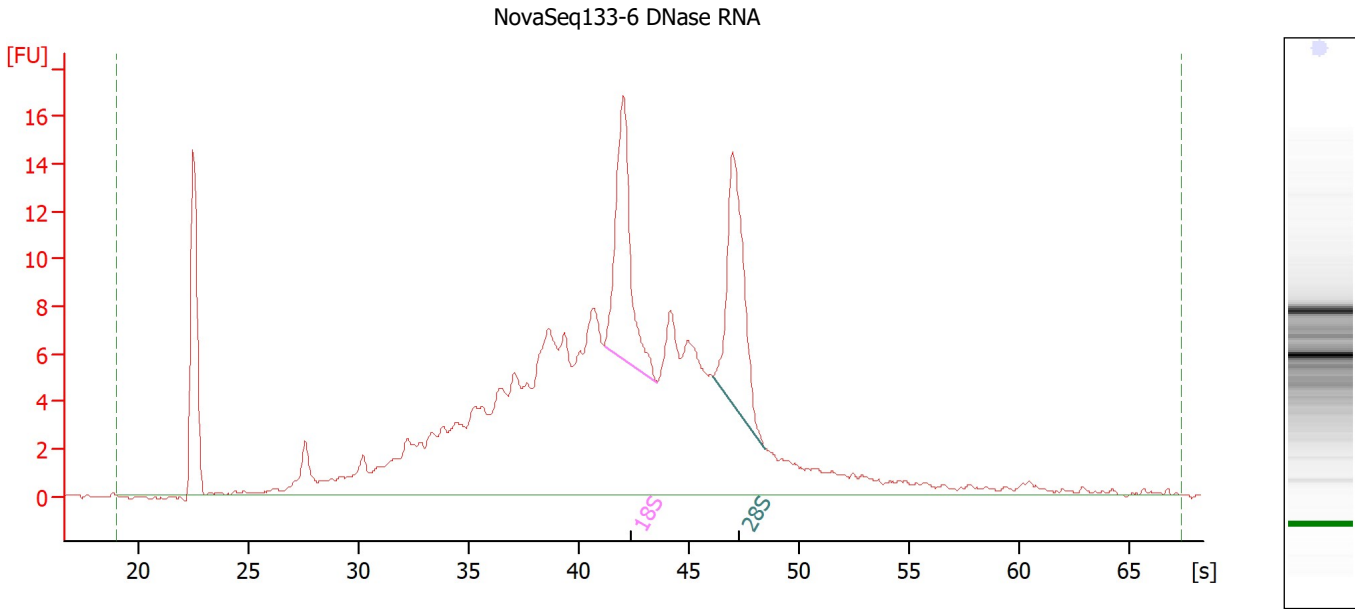
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.16	43.54	45.7	12.2
28S	45.97	48.74	48.6	13.0



Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
Modified: 12/18/2019 3:51:57 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : NovaSeq133-6 DNase RNA**

RNA Area: 264.9                      RNA Integrity Number (RIN): 6 (B.02.10)  
RNA Concentration: 196 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.0              Result Flagging Label: RIN:6

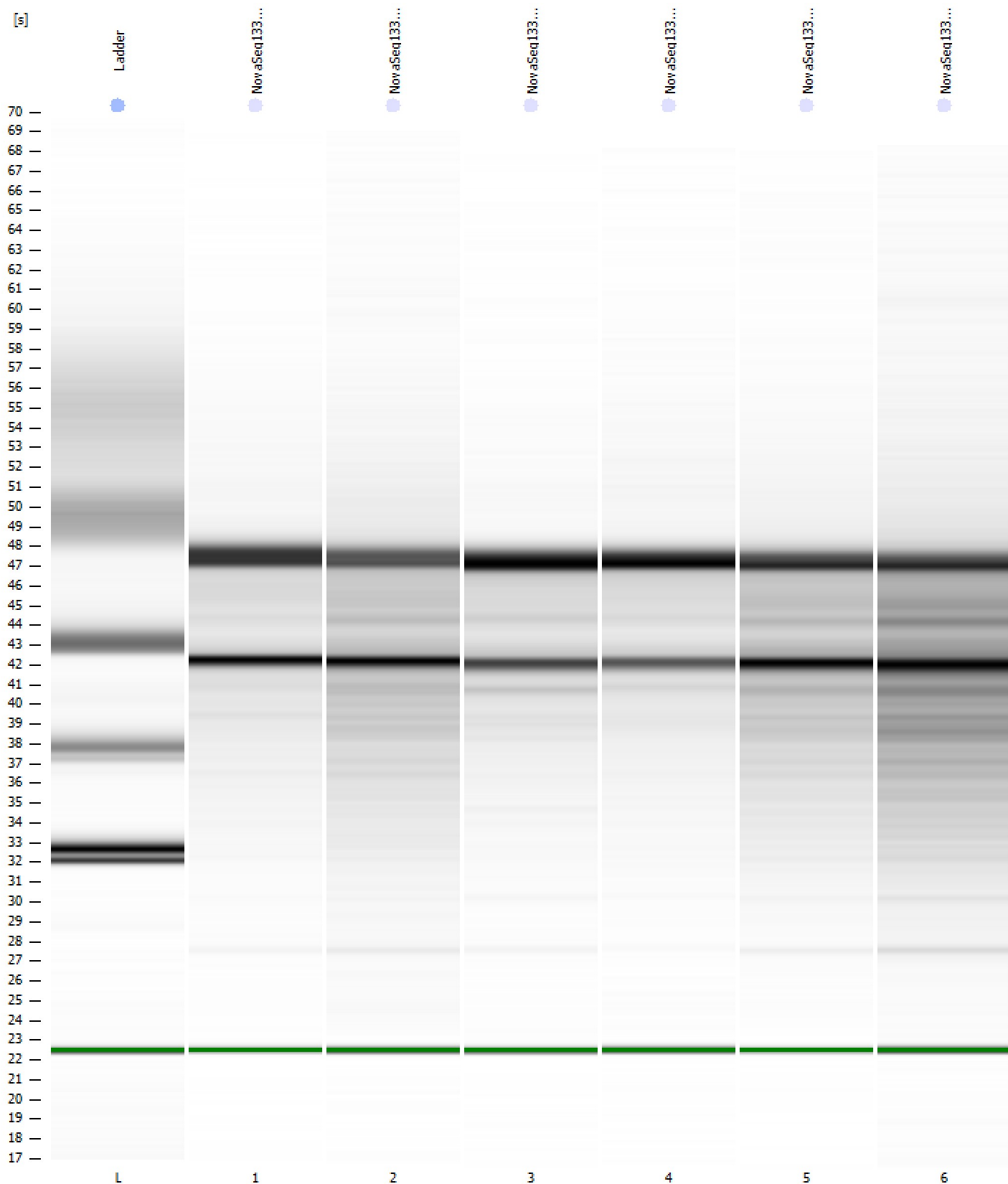
**Fragment table for sample 6 : NovaSeq133-6 DNase RNA**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.14	43.58	20.4	7.7
28S	46.07	48.47	19.8	7.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
Modified: 12/18/2019 3:51:57 PM

**Gel Image**

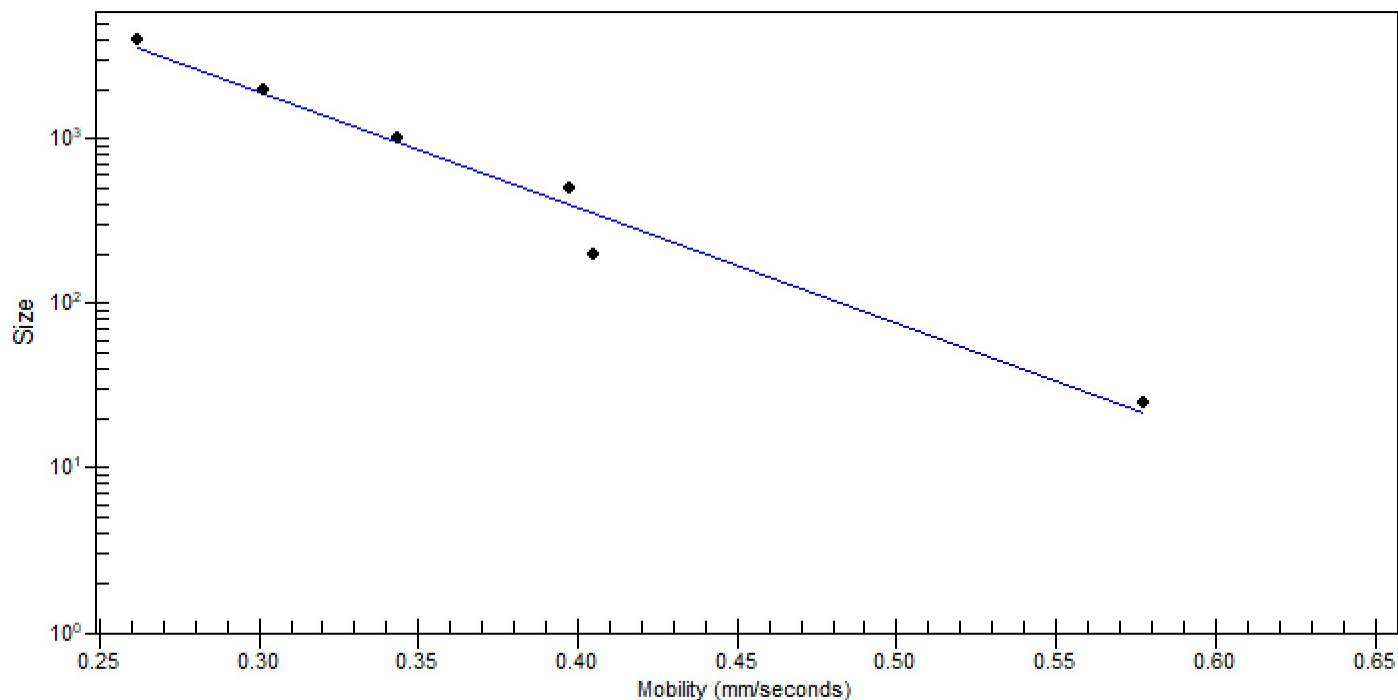


Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
Modified: 12/18/2019 3:51:57 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\XADs\2019-12-18\NovaSeq133\_DNaseTreatedRNA.xad

Created: 12/18/2019 3:16:40 PM  
 Modified: 12/18/2019 3:51:57 PM

**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		12/18/2019 3:40:32 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-18\Bioanalyze_r_Eukaryote Total RNA Nano_2019-12-18_001.xad)		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/18/2019 3:16:46 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB