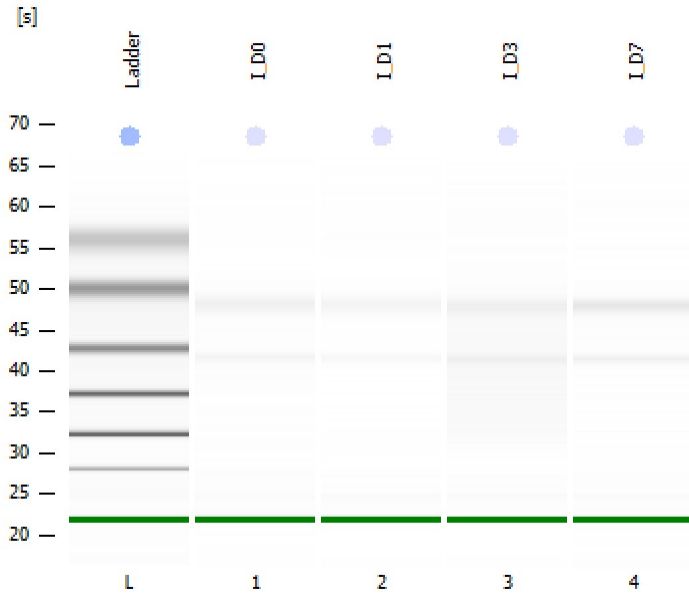


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...yzer1\_Eukaryote Total RNA Pico\_2020-01-16\_001.QC0545xad.xad

Created: 1/16/2020 11:18:09 AM  
Modified: 1/16/2020 11:41:42 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 Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

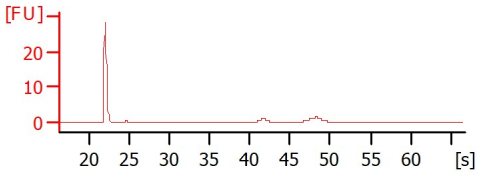
Chip Information:

Chip Lot #:

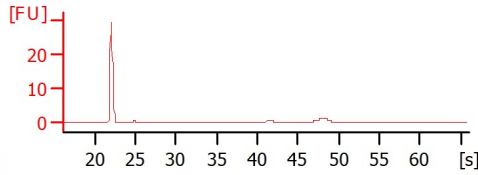
Reagent Kit Lot #:

Chip Comments:

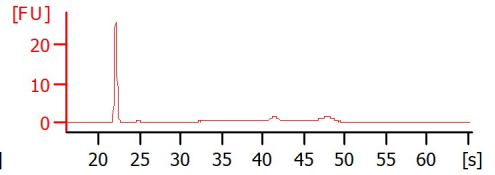
**I\_D0**  
QC0545  
RIN: 7.10



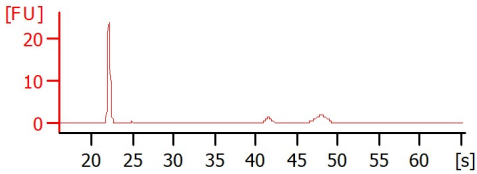
**I\_D1**  
QC0545  
RIN: 6.60



**I\_D3**  
QC0545  
RIN: 6.40



**I\_D7**  
QC0545  
RIN: 8.30



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...yzer1\_Eukaryote Total RNA Pico\_2020-01-16\_001.QC0545xad.xad

Created: 1/16/2020 11:18:09 AM  
 Modified: 1/16/2020 11:41:42 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
I_D0	QC0545	✓	RIN: 7.10	
I_D1	QC0545	✓	RIN: 6.60	
I_D3	QC0545	✓	RIN: 6.40	
I_D7	QC0545	✓	RIN: 8.30	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...yzer1\_Eukaryote Total RNA Pico\_2020-01-16\_001.QC0545xad.xad

Created: 1/16/2020 11:18:09 AM  
 Modified: 1/16/2020 11:41:42 AM

**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

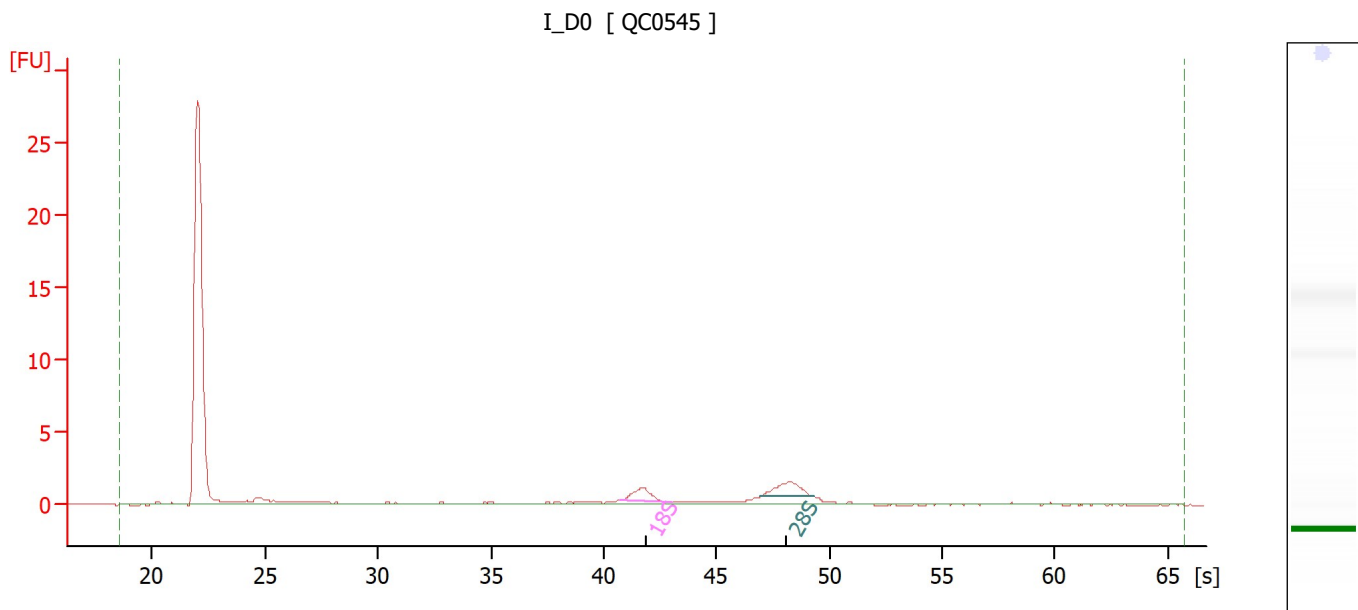
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...yzer1\_Eukaryote Total RNA Pico\_2020-01-16\_001.QC0545xad.xad

Created: 1/16/2020 11:18:09 AM  
 Modified: 1/16/2020 11:41:42 AM

**Electropherogram Summary**



**Overall Results for sample 1 : I\_D0**

RNA Area:	20.0	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	115 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]:	1.2	Result Flagging Label:	RIN: 7.10

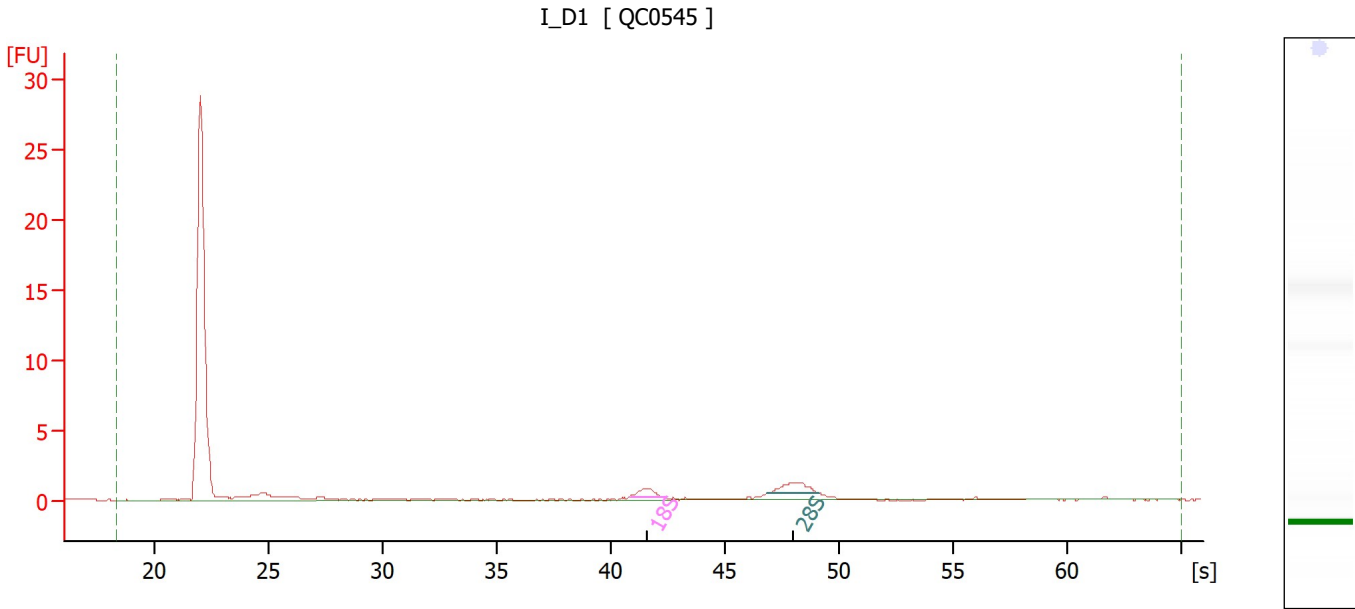
**Fragment table for sample 1 : I\_D0**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.71	43.05	2.1	10.6
28S	46.95	49.29	2.5	12.7

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...yzer1\_Eukaryote Total RNA Pico\_2020-01-16\_001.QC0545xad.xad

Created: 1/16/2020 11:18:09 AM  
 Modified: 1/16/2020 11:41:42 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : I D1**

RNA Area:	19.4	RNA Integrity Number (RIN):	6.6 (B.02.10)
RNA Concentration:	111 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]:	1.9	Result Flagging Label:	RIN: 6.60

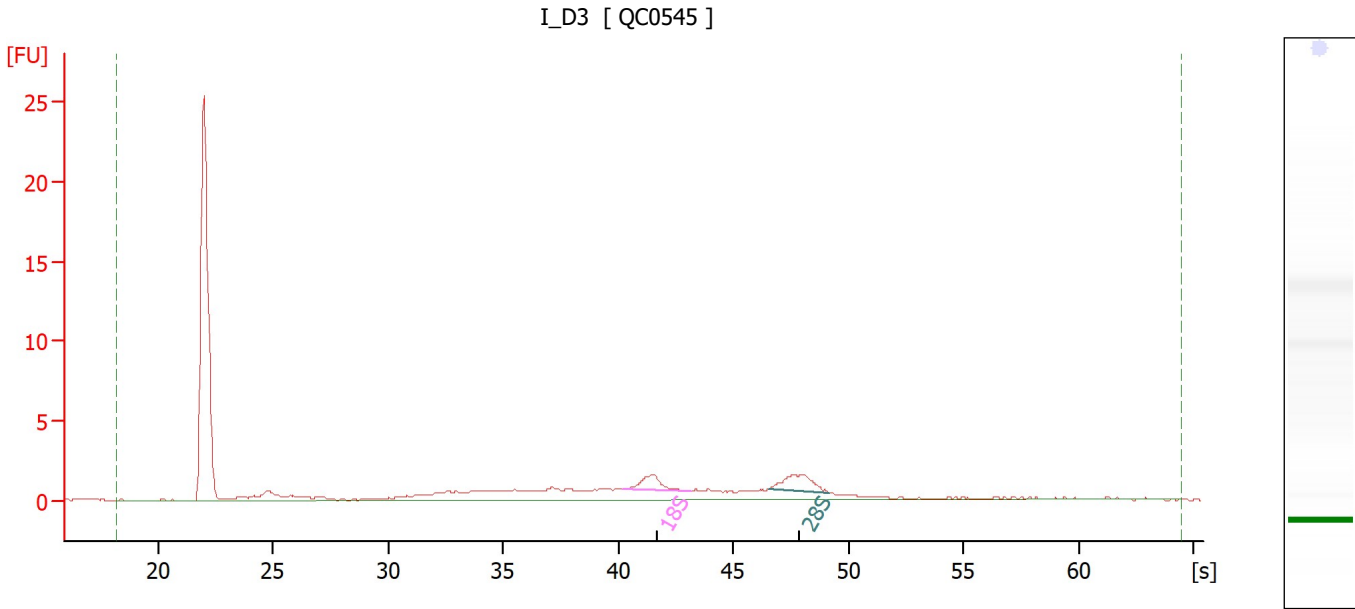
**Fragment table for sample 2 : I D1**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.89	42.35	1.1	5.8
28S	46.87	49.18	2.2	11.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...yzer1\_Eukaryote Total RNA Pico\_2020-01-16\_001.QC0545xad.xad

Created: 1/16/2020 11:18:09 AM  
 Modified: 1/16/2020 11:41:42 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : I\_D3**

RNA Area:	40.8	RNA Integrity Number (RIN):	6.4 (B.02.10)
RNA Concentration:	234 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]:	1.3	Result Flagging Label:	RIN: 6.40

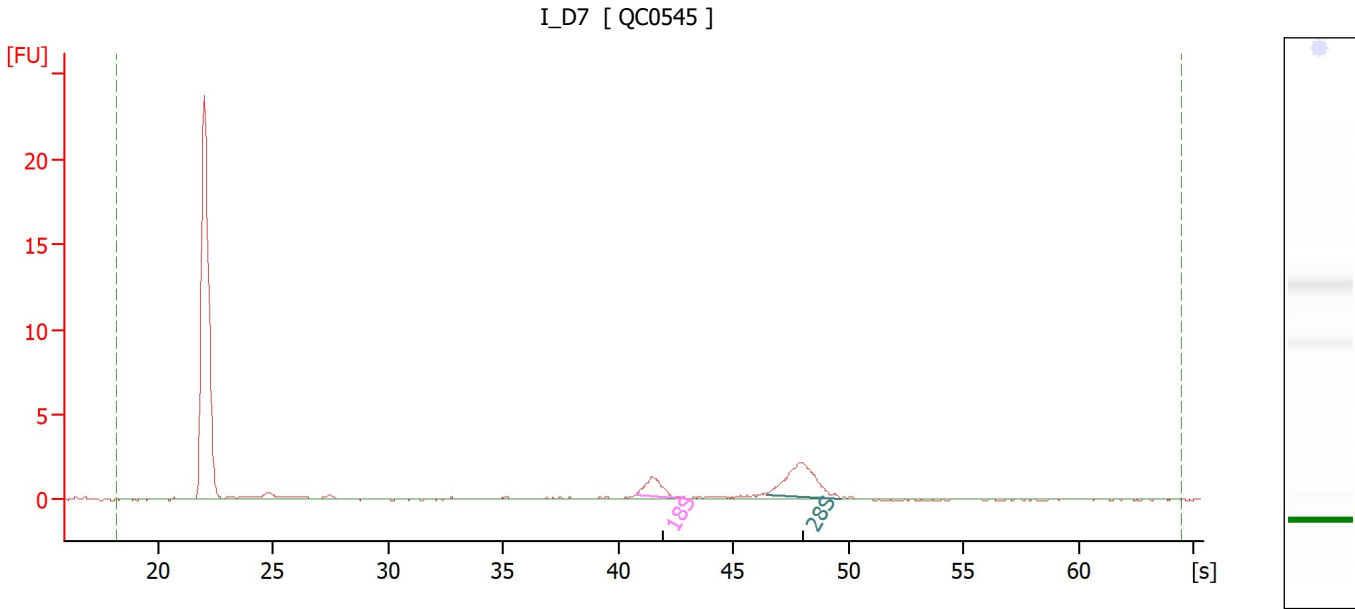
**Fragment table for sample 3 : I\_D3**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.22	43.16	2.4	5.8
28S	46.57	49.14	3.2	7.9

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...yzer1\_Eukaryote Total RNA Pico\_2020-01-16\_001.QC0545xad.xad

Created: 1/16/2020 11:18:09 AM  
 Modified: 1/16/2020 11:41:42 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : I\_D7**

RNA Area:	16.3	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	94 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]:	2.6	Result Flagging Label:	RIN: 8.30

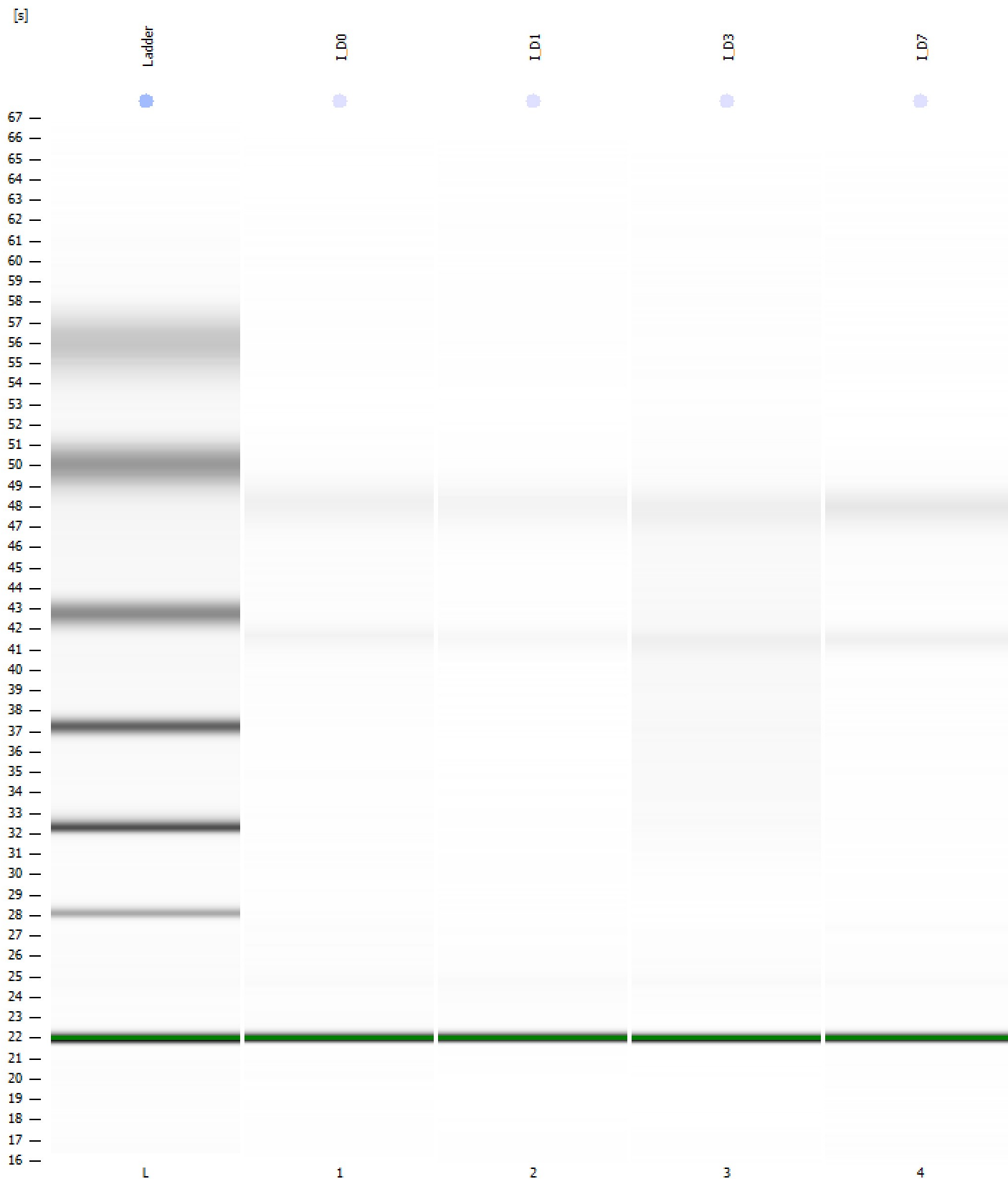
**Fragment table for sample 4 : I\_D7**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.78	43.07	2.3	14.0
28S	46.43	49.65	5.9	36.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...yzer1\_Eukaryote Total RNA Pico\_2020-01-16\_001.QC0545xad.xad

Created: 1/16/2020 11:18:09 AM  
Modified: 1/16/2020 11:41:42 AM

**Gel Image**



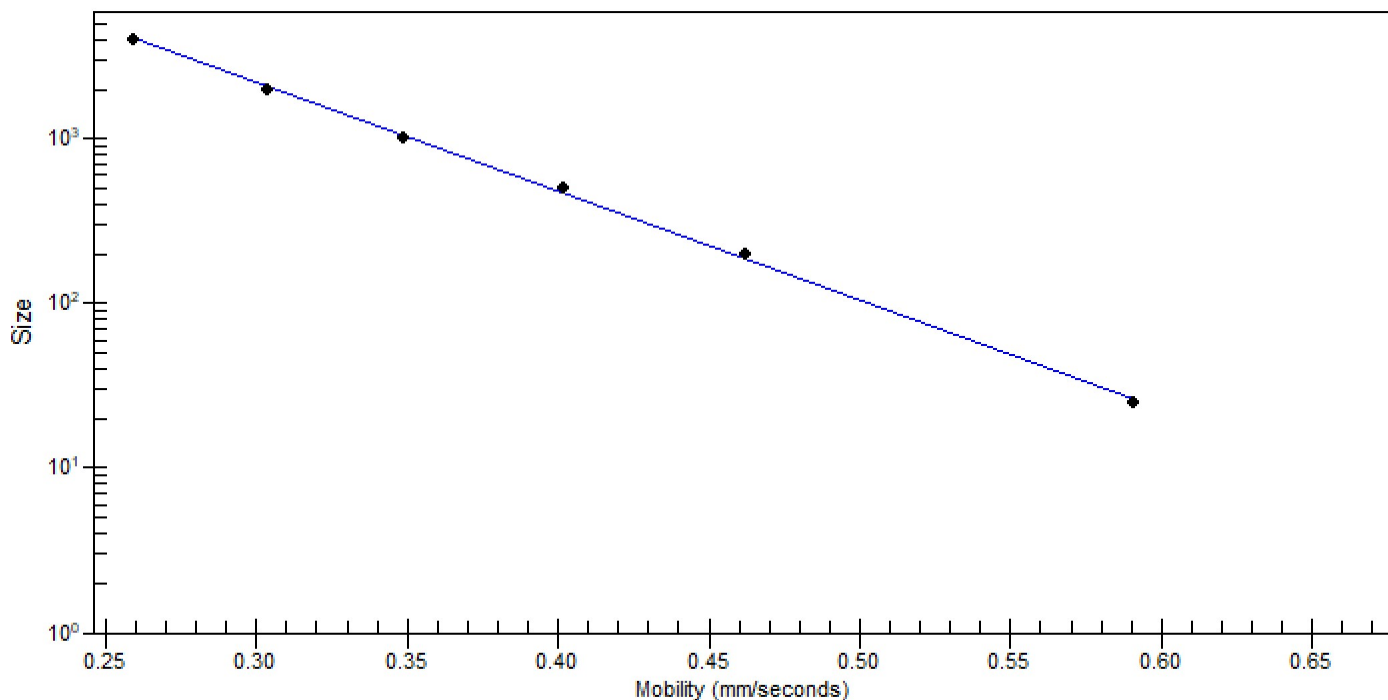


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...yzer1\_Eukaryote Total RNA Pico\_2020-01-16\_001.QC0545xad.xad

Created: 1/16/2020 11:18:09 AM  
Modified: 1/16/2020 11:41:42 AM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...yzer1\_Eukaryote Total RNA Pico\_2020-01-16\_001.QC0545xad.xad

Created: 1/16/2020 11:18:09 AM  
 Modified: 1/16/2020 11:41:42 AM

**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		1/16/2020 11:41:02 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-01-16\Bioanalyze r1_Eukaryote Total RNA Pico_2020-01-16_001.xad)		Instrument	Run		1/16/2020 11:18:15 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/16/2020 11:18:15 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/16/2020 11:18:15 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/16/2020 11:18:15 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/16/2020 11:18:15 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/16/2020 11:18:15 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/16/2020 11:18:14 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB