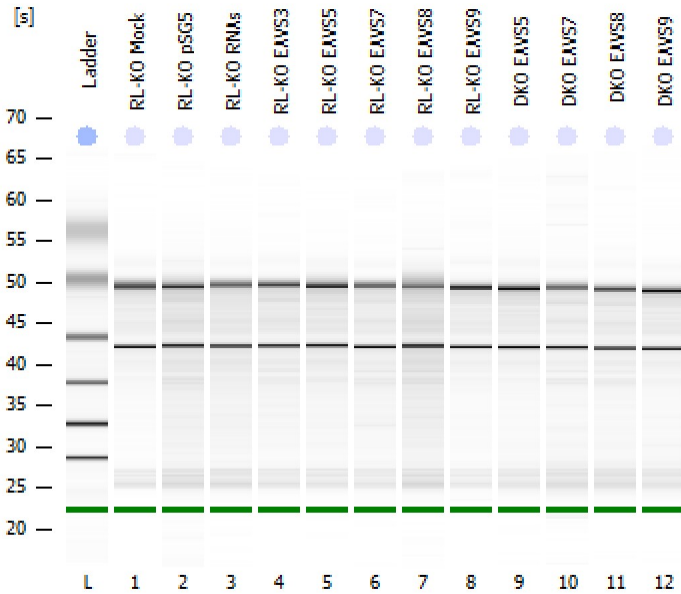


Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 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)

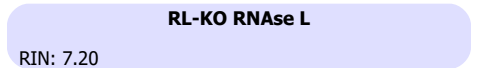
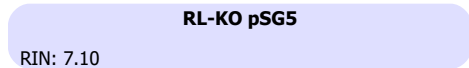
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
RL-KO Mock		✓	RIN: 8.50	
RL-KO pSG5		✓	RIN: 7.10	
RL-KO RNase L		✓	RIN: 7.20	
RL-KO EAVS3		✓	RIN: 7.40	
RL-KO EAVS5		✓	RIN: 7.80	
RL-KO EAVS7		✓	RIN: 7.30	
RL-KO EAVS8		✓	RIN: 7.10	
RL-KO EAVS9		✓	RIN: 8.10	
DKO EAVS5		✓	RIN: 8.40	
DKO EAVS7		✓	RIN: 7.30	
DKO EAVS8		✓	RIN: 7.50	
DKO EAVS9		✓	RIN: 8.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 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

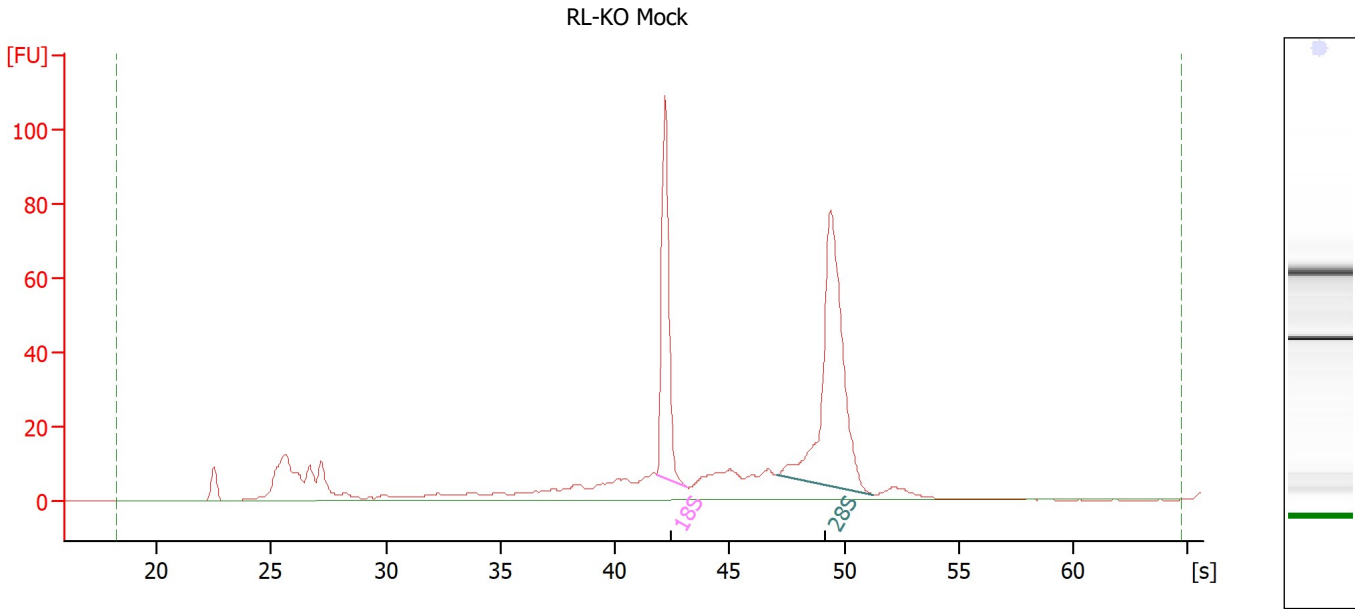
Ladder

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

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary



Overall Results for sample 1 : RL-KO Mock

RNA Area:	537.8	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	389 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.50

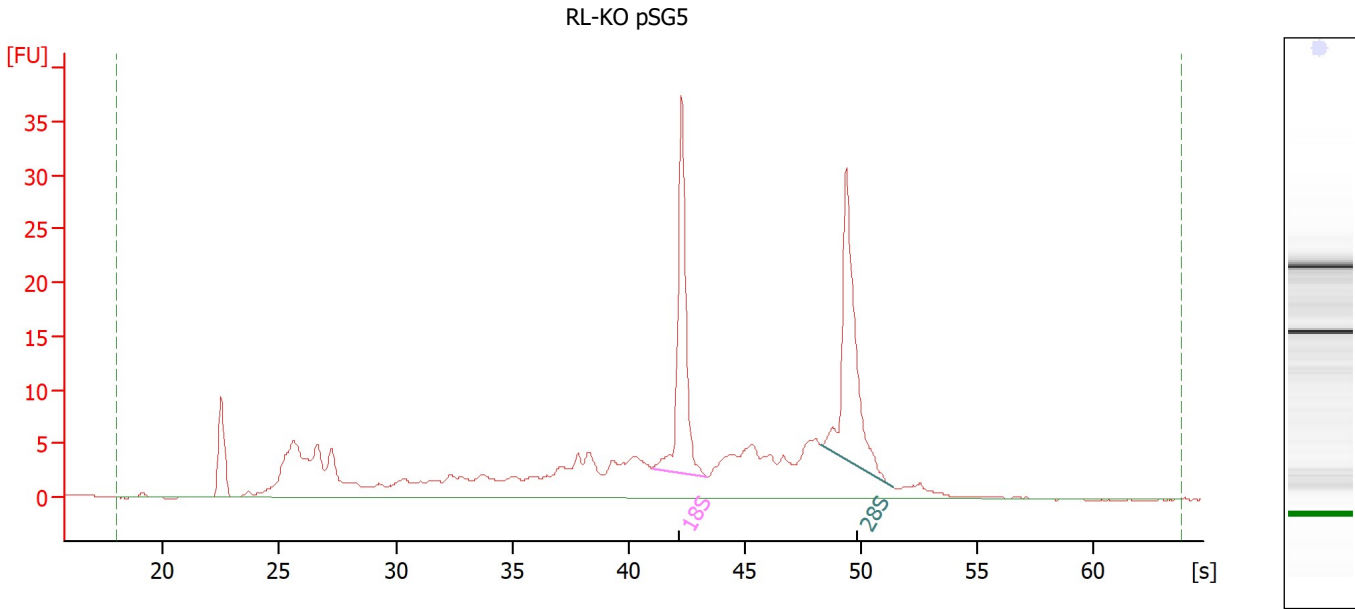
Fragment table for sample 1 : RL-KO Mock

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.86	43.17	84.9	15.8
28S	47.06	51.23	152.4	28.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RL-KO pSG5

RNA Area:	275.1	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	199 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.10

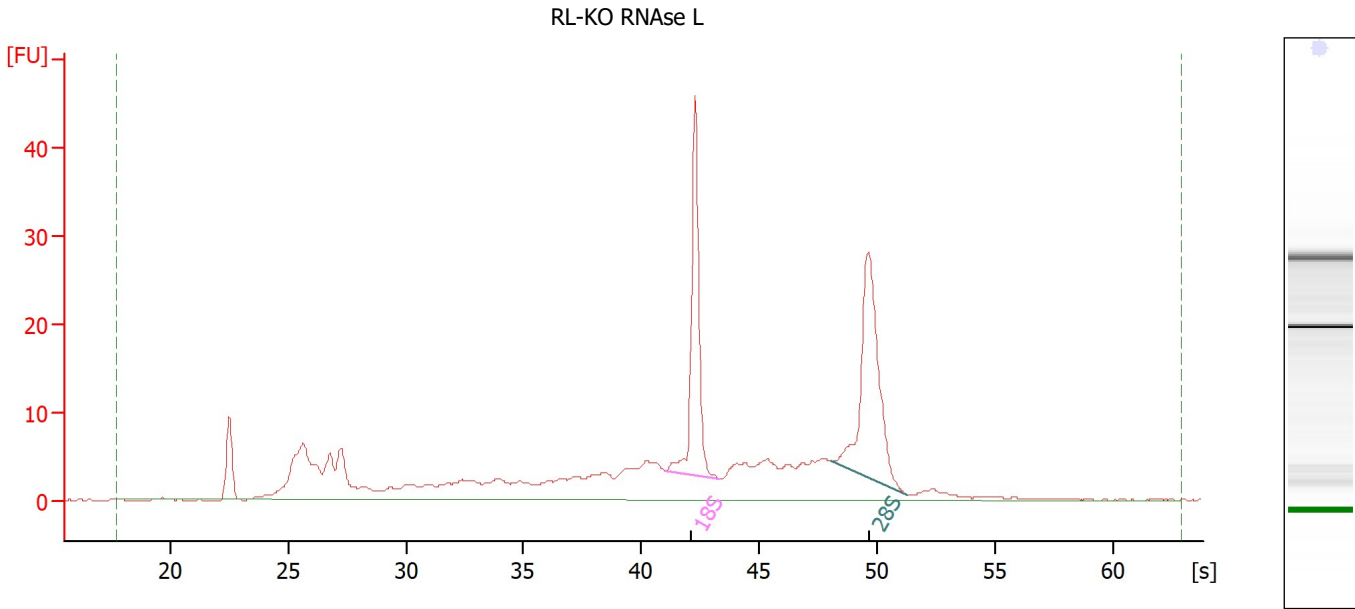
Fragment table for sample 2 : RL-KO pSG5

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.03	43.38	33.9	12.3
28S	48.33	51.38	35.3	12.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : RL-KO RNase L

RNA Area:	286.2	RNA Integrity Number (RIN):	7.2 (B.02.10)
RNA Concentration:	207 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.20

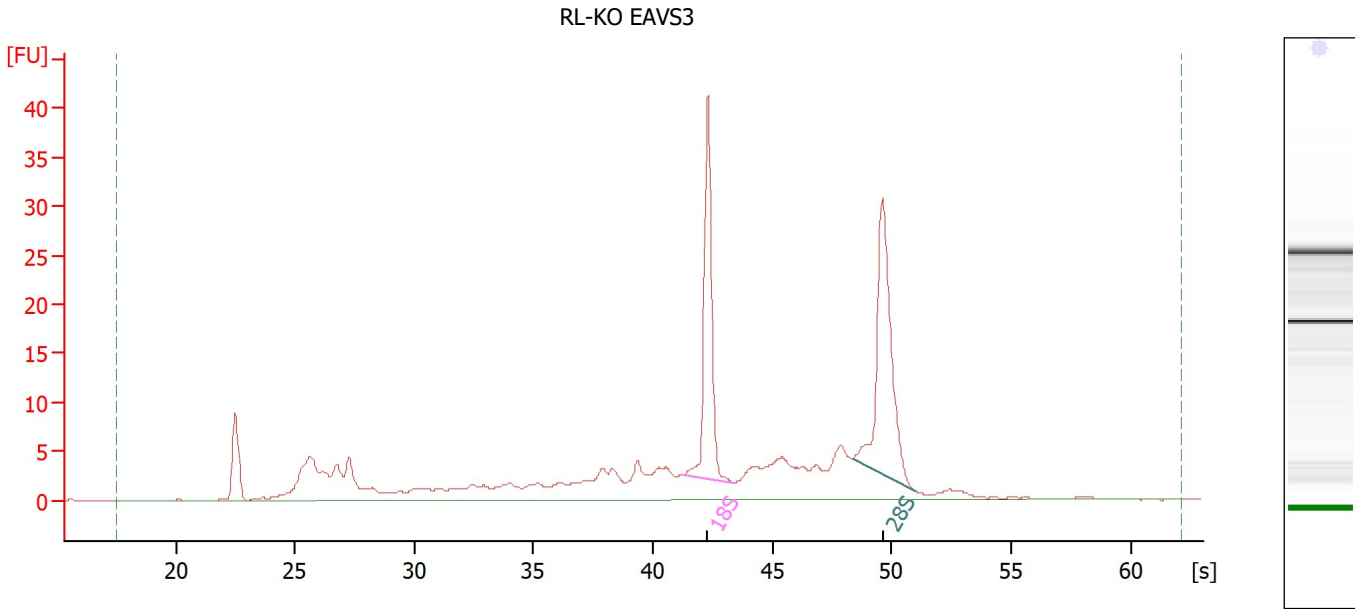
Fragment table for sample 3 : RL-KO RNase L

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.99	43.31	37.4	13.1
28S	48.01	51.24	43.9	15.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : RL-KO EAVS3

RNA Area:	240.5	RNA Integrity Number (RIN):	7.4 (B.02.10)
RNA Concentration:	174 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.40

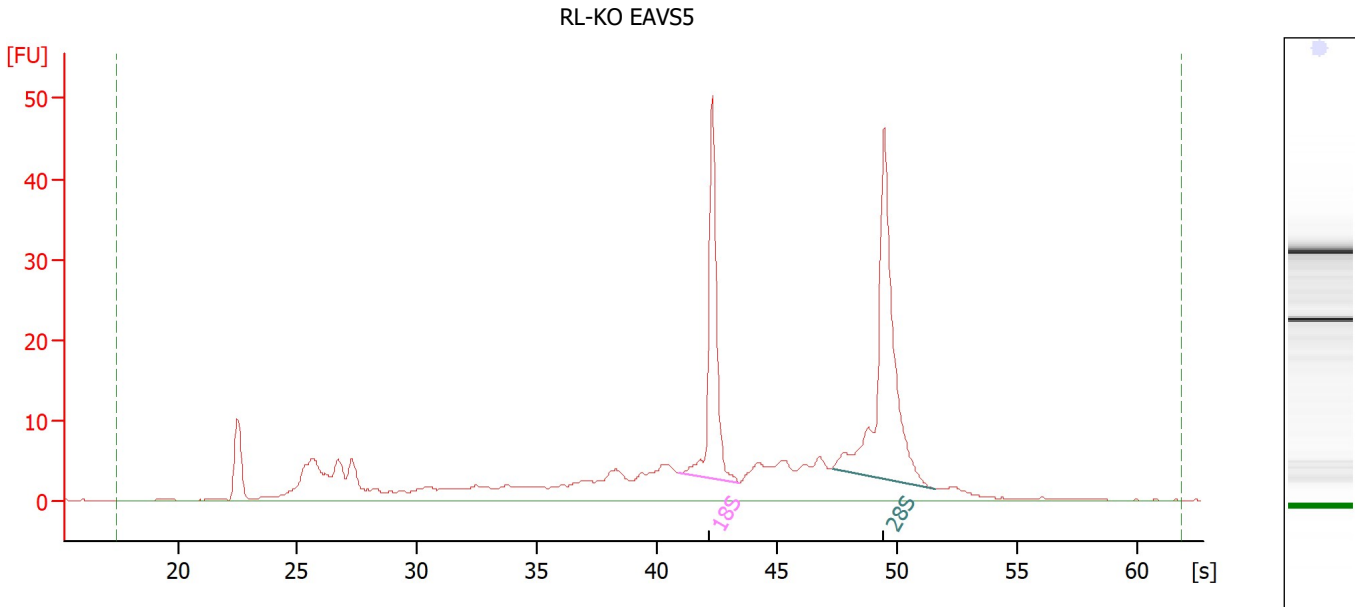
Fragment table for sample 4 : RL-KO EAVS3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.27	43.33	33.3	13.8
28S	48.33	50.94	38.5	16.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : RL-KO EAVS5

RNA Area:	315.1	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	228 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.80

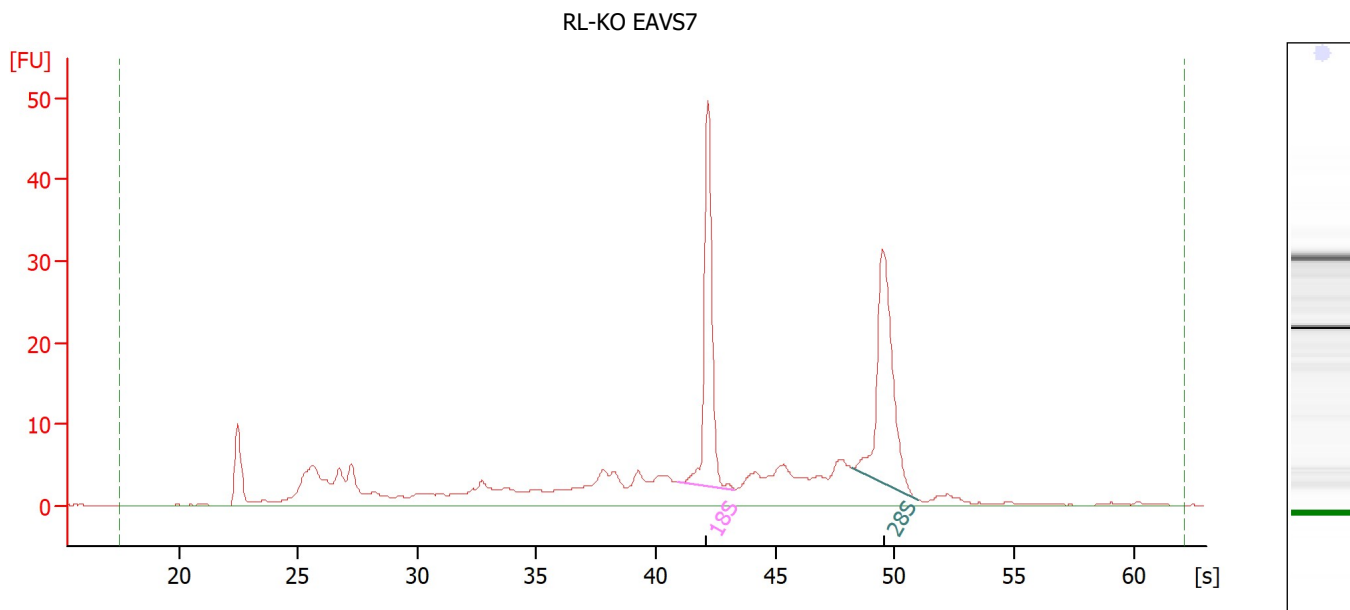
Fragment table for sample 5 : RL-KO EAVS5

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.92	43.43	43.7	13.9
28S	47.33	51.63	65.7	20.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : RL-KO EAVS7

RNA Area:	286.9	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	208 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.30

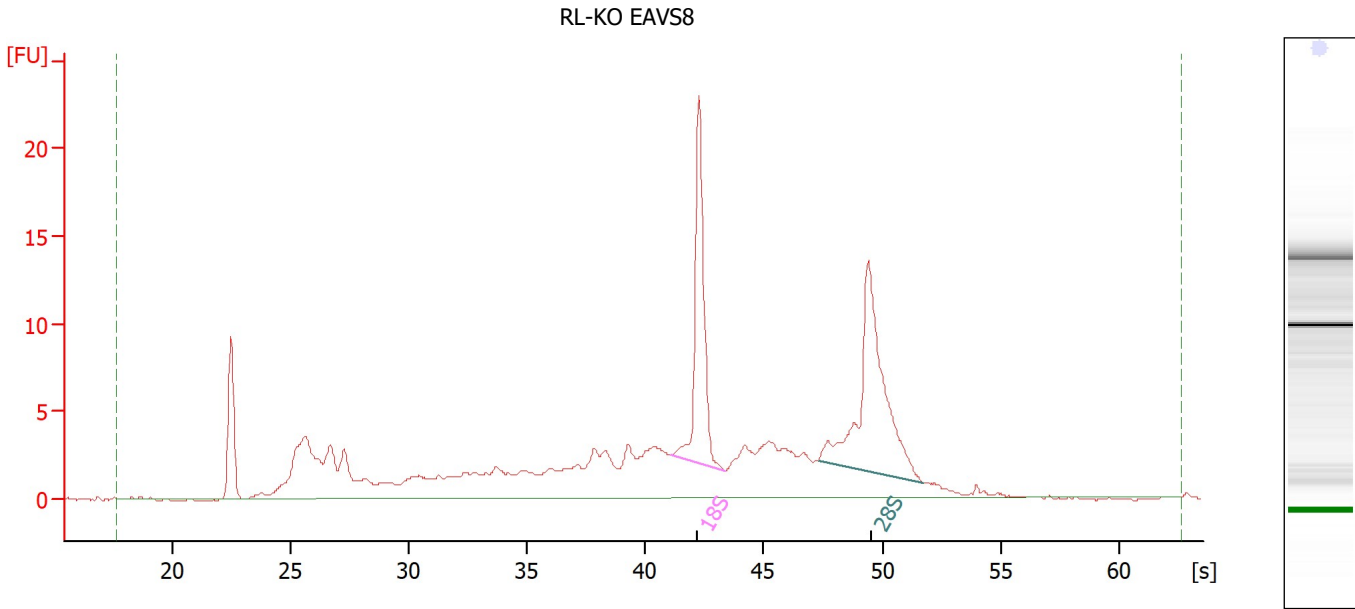
Fragment table for sample 6 : RL-KO EAVS7

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.90	43.29	39.7	13.8
28S	48.19	50.99	43.3	15.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : RL-KO EAVS8

RNA Area:	186.5	RNA Integrity Number (RIN):	7.1 (B.02.10)
RNA Concentration:	135 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.10

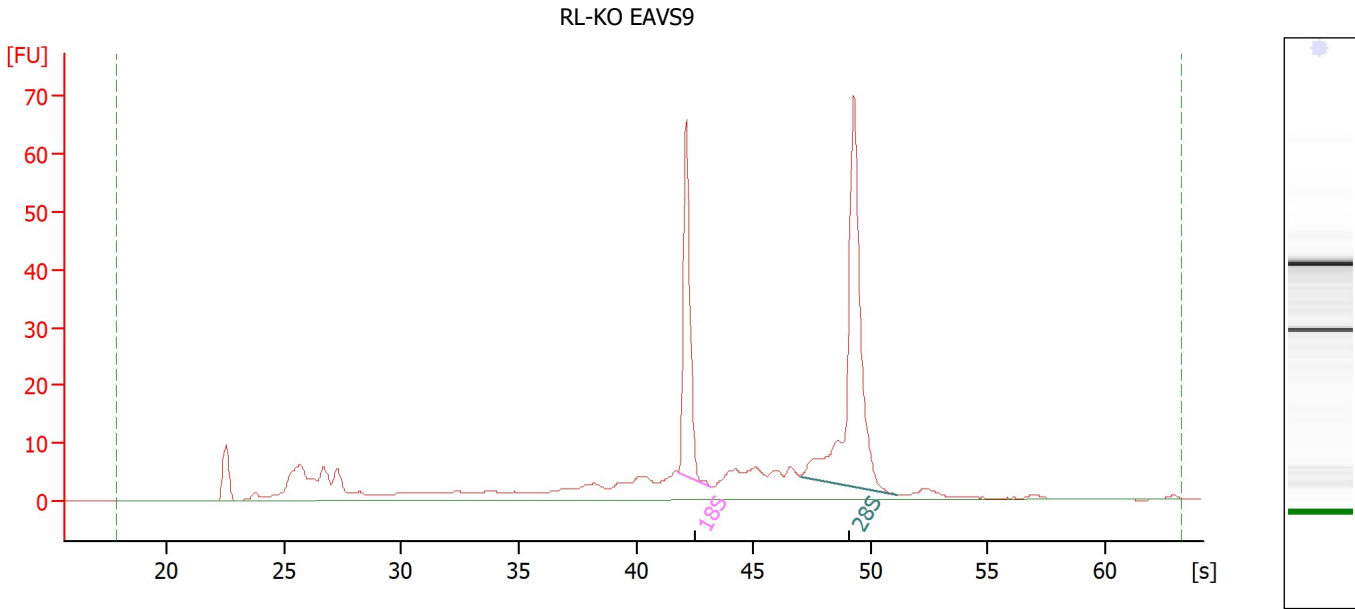
Fragment table for sample 7 : RL-KO EAVS8

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.05	43.32	21.5	11.6
28S	47.31	51.76	27.6	14.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : RL-KO EAVS9

RNA Area:	334.8	RNA Integrity Number (RIN):	8.1 (B.02.10)
RNA Concentration:	242 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.10

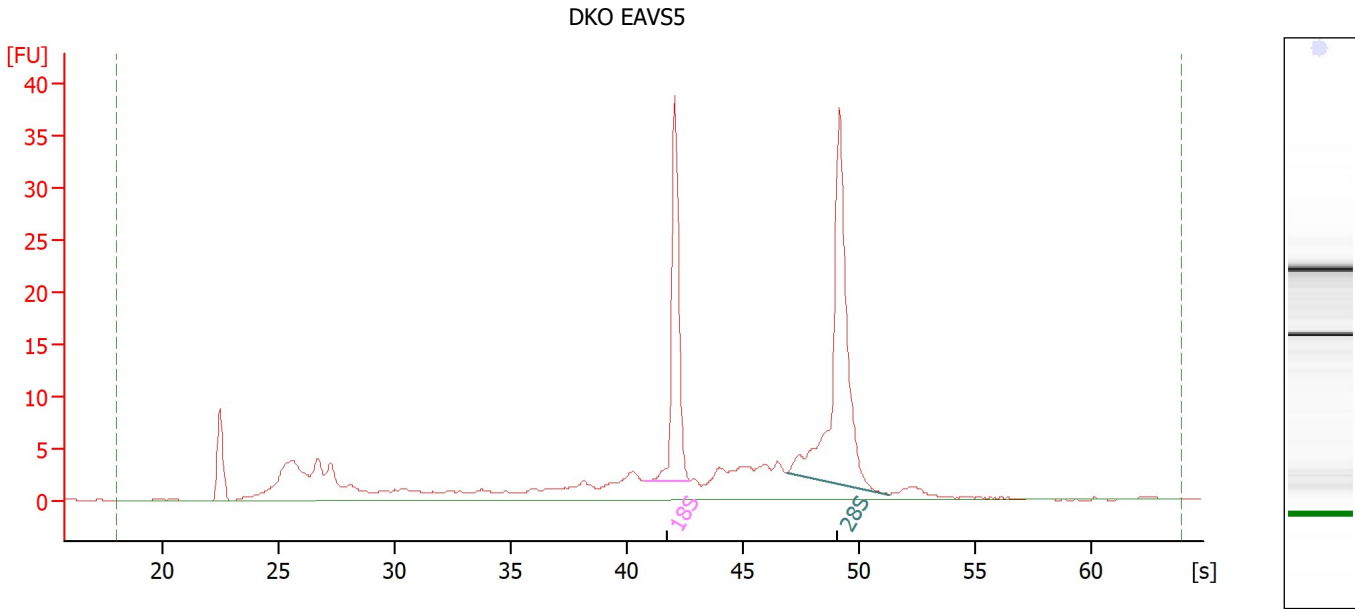
Fragment table for sample 8 : RL-KO EAVS9

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.79	43.21	48.1	14.4
28S	47.02	51.14	88.4	26.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : DKO EAVS5

RNA Area:	213.5	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	155 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.40

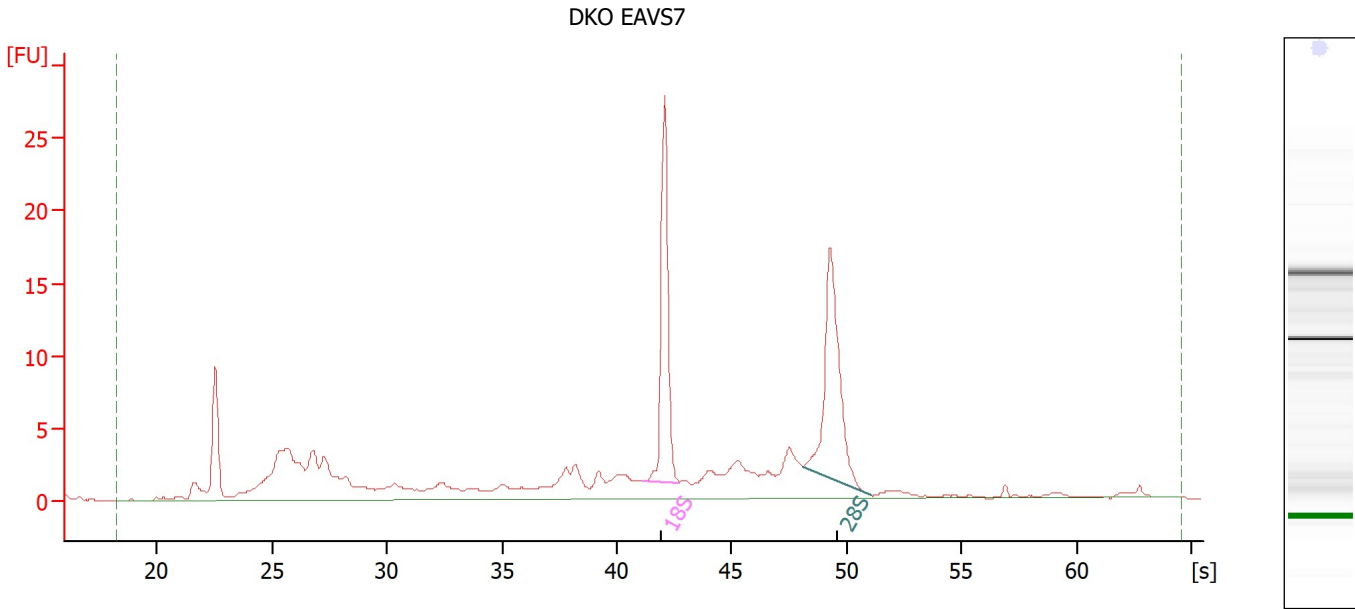
Fragment table for sample 9 : DKO EAVS5

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.83	42.73	29.8	14.0
28S	46.90	51.30	51.4	24.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : DKO EAVS7

RNA Area:	163.4	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	118 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.30

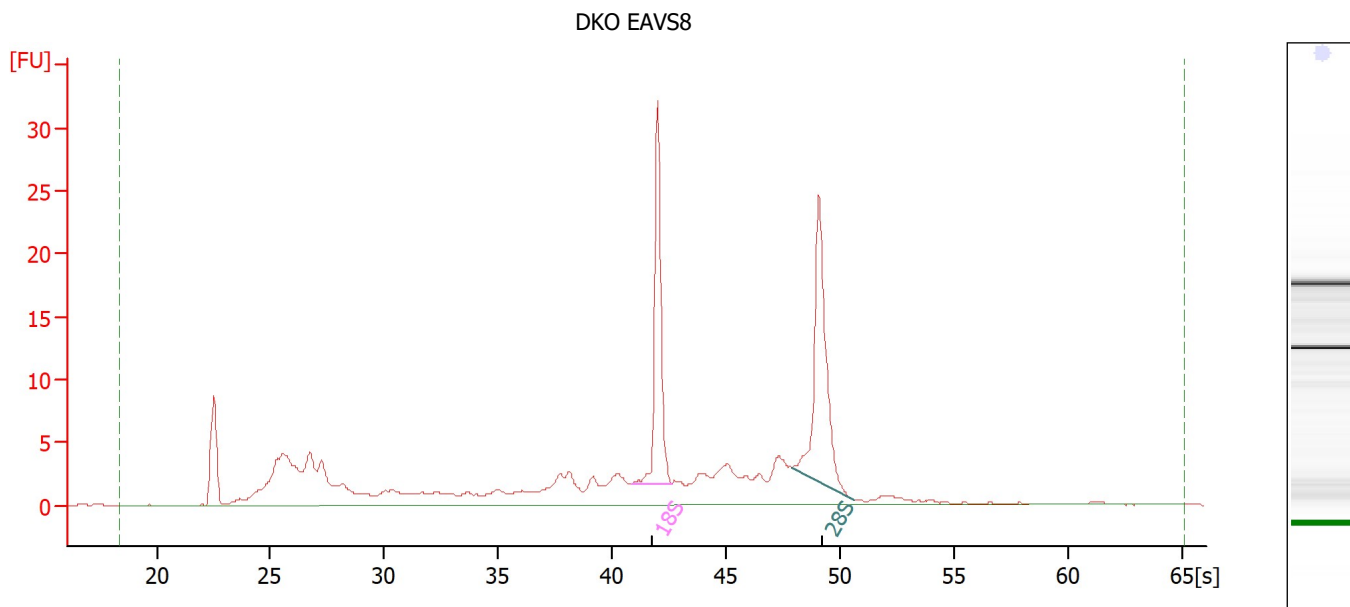
Fragment table for sample 10 : DKO EAVS7

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.16	42.71	20.8	12.8
28S	48.09	51.03	23.6	14.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : DKO EAVS8

RNA Area:	186.7	RNA Integrity Number (RIN):	7.5 (B.02.10)
RNA Concentration:	135 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.50

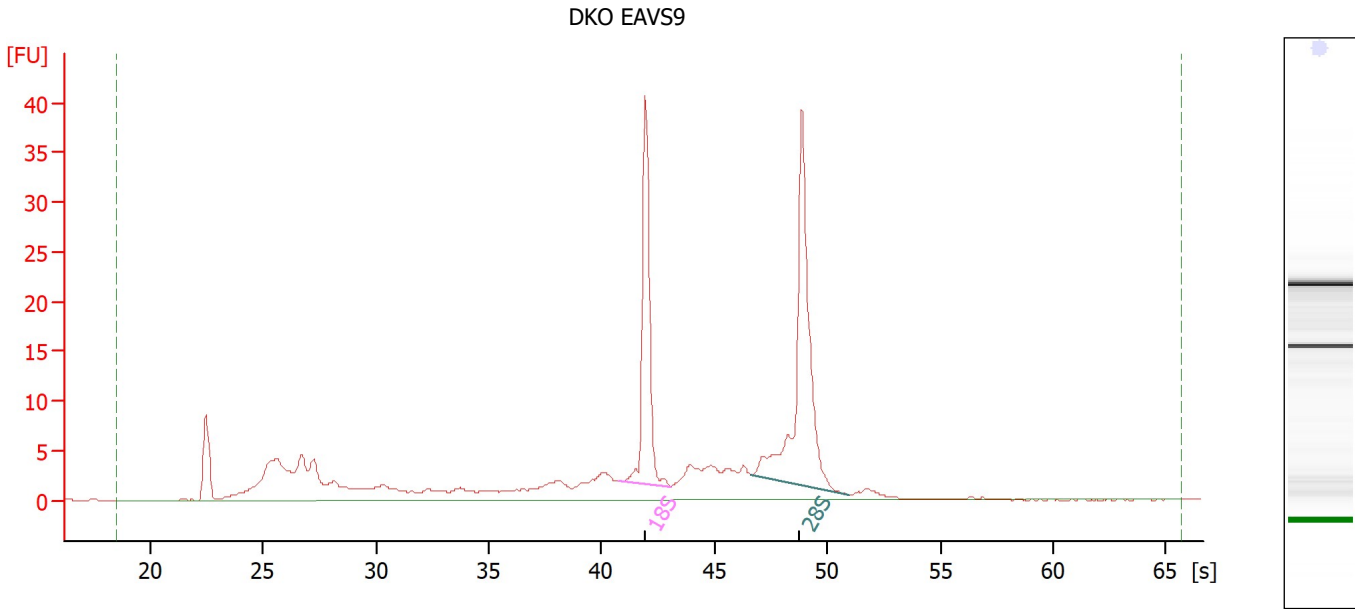
Fragment table for sample 11 : DKO EAVS8

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.85	42.59	24.3	13.0
28S	47.92	50.61	27.0	14.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : DKO EAVS9

RNA Area:	219.9	RNA Integrity Number (RIN):	8.2 (B.02.10)
RNA Concentration:	159 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.20

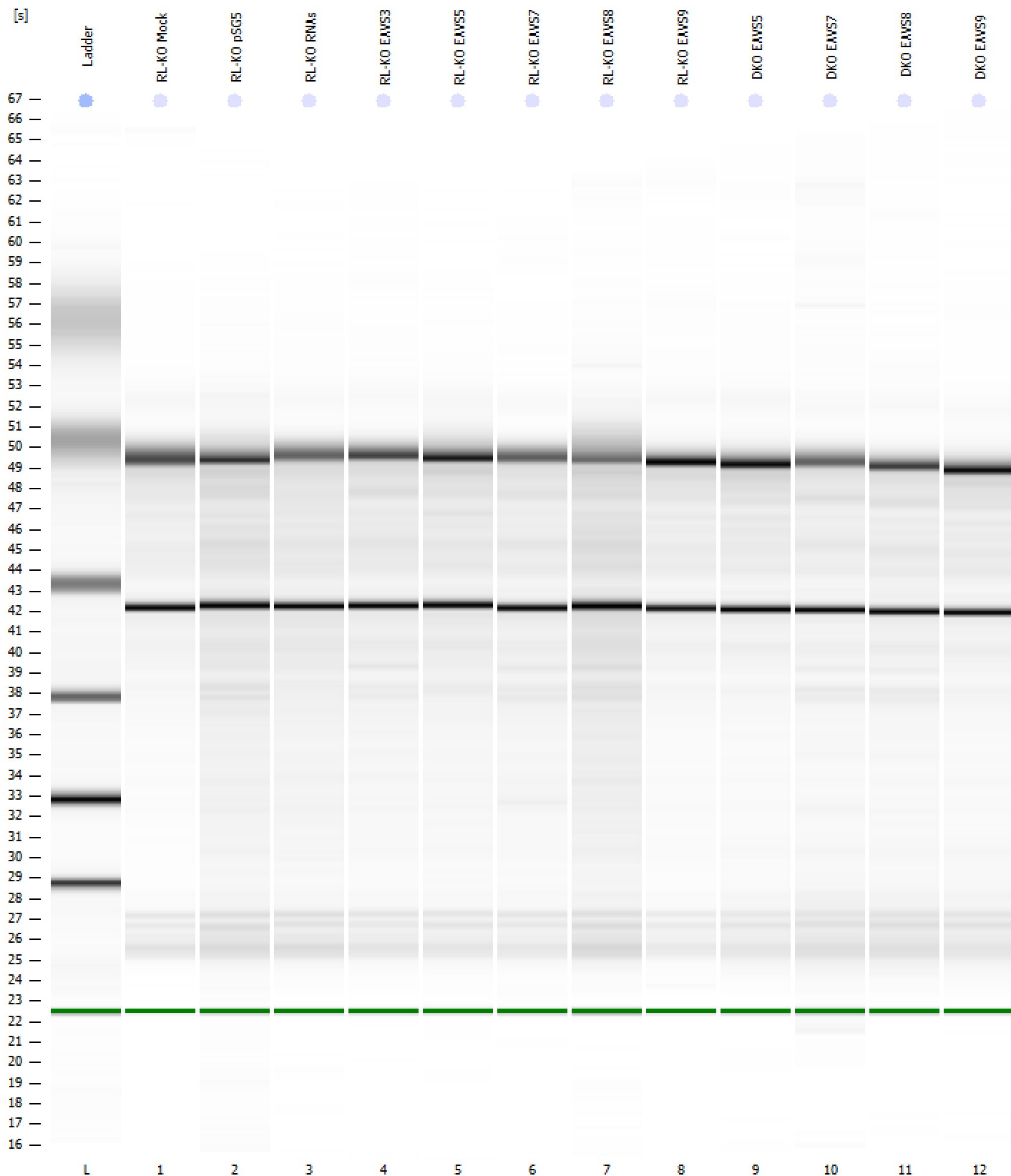
Fragment table for sample 12 : DKO EAVS9

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.77	43.05	32.6	14.8
28S	46.62	50.95	51.7	23.5

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
Modified: 11/26/2019 10:08:21 AM

Gel Image

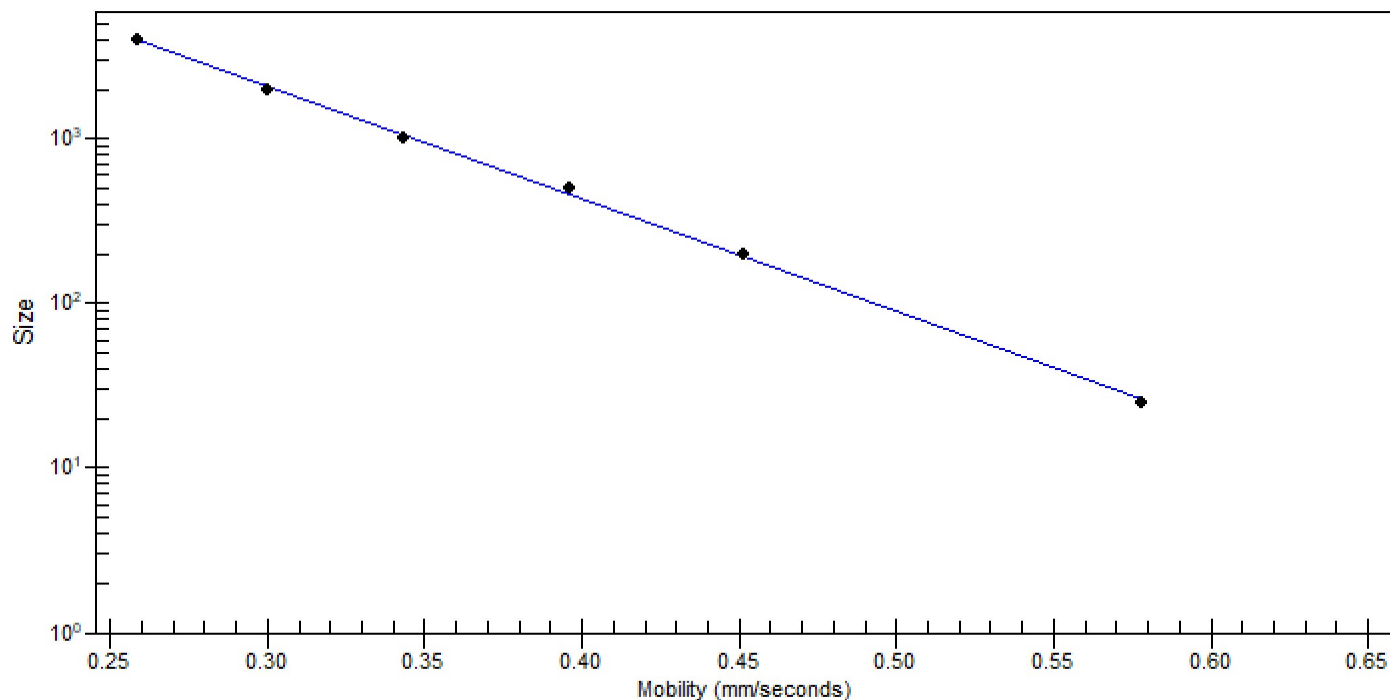


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
Modified: 11/26/2019 10:08:21 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...26\Bioanalyzer1_Eukaryote Total RNA Nano_2019-11-26_001.xad

Created: 11/26/2019 9:44:25 AM
 Modified: 11/26/2019 10:08:21 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		11/26/2019 10:08:18 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-11-26\Bioanalyze r1_Eukaryote Total RNA Nano_2019-11-26_001.xad)		Instrument	Run		11/26/2019 9:44:30 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		11/26/2019 9:44:30 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		11/26/2019 9:44:30 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		11/26/2019 9:44:30 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		11/26/2019 9:44:30 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		11/26/2019 9:44:30 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		11/26/2019 9:44:30 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB