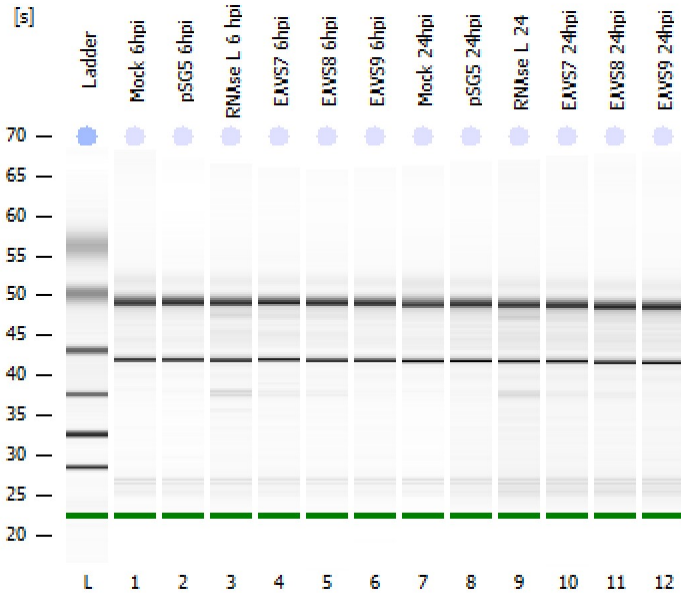


Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electrophoresis File Run Summary



Instrument Information:

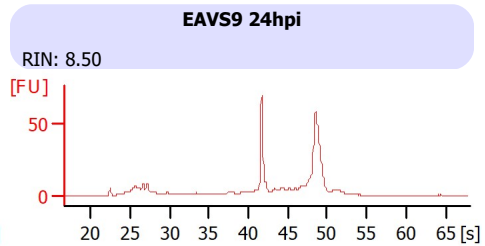
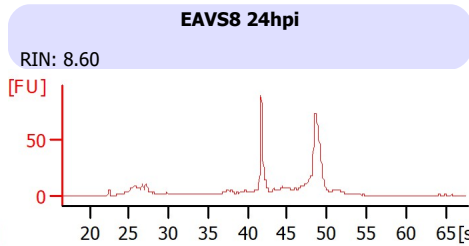
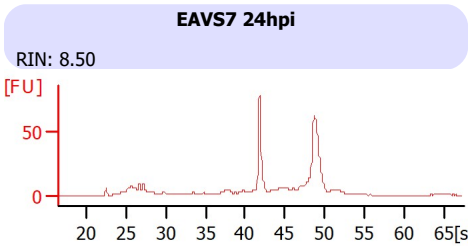
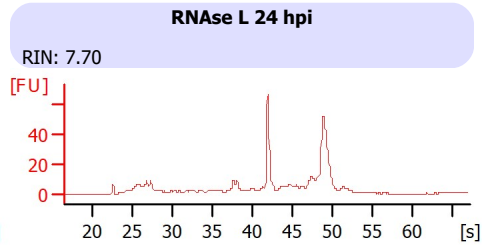
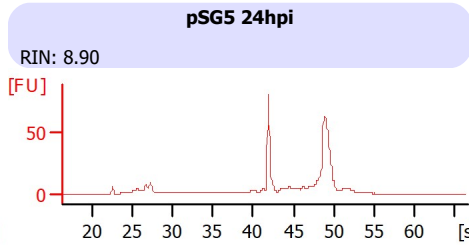
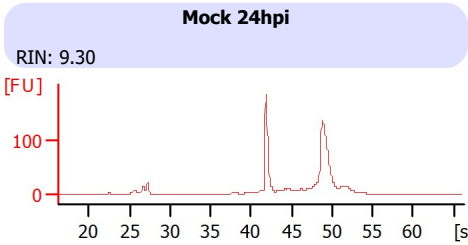
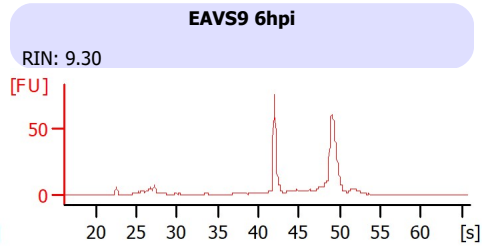
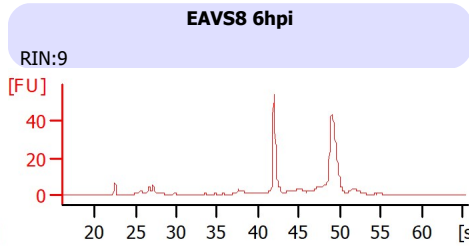
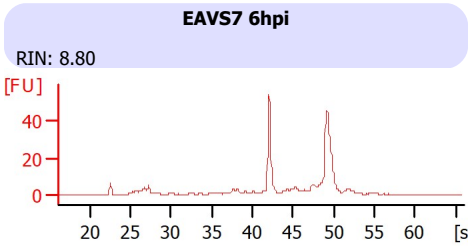
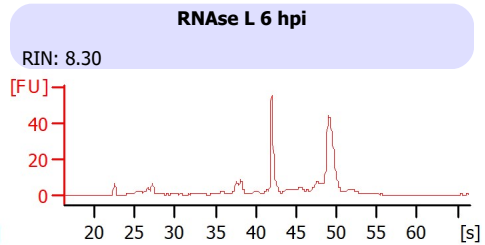
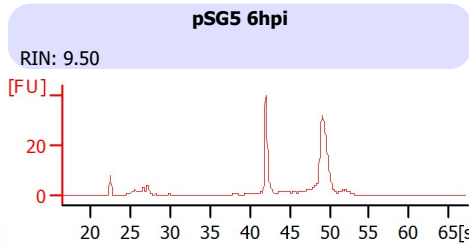
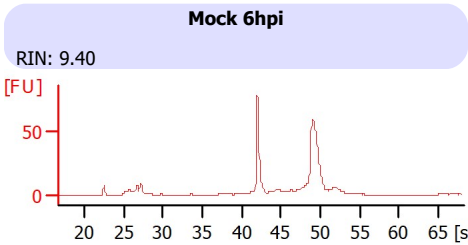
Instrument Name: DE34903152 Firmware: C.01.069
 Serial#: DE34903152 Type: G2938C

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)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Mock 6hpi		✓	RIN: 9.40	
pSG5 6hpi		✓	RIN: 9.50	
RNAse L 6 hpi		✓	RIN: 8.30	
EAVS7 6hpi		✓	RIN: 8.80	
EAVS8 6hpi		✓	RIN:9	
EAVS9 6hpi		✓	RIN: 9.30	
Mock 24hpi		✓	RIN: 9.30	
pSG5 24hpi		✓	RIN: 8.90	
RNAse L 24 hpi		✓	RIN: 7.70	
EAVS7 24hpi		✓	RIN: 8.50	
EAVS8 24hpi		✓	RIN: 8.60	
EAVS9 24hpi		✓	RIN: 8.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 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

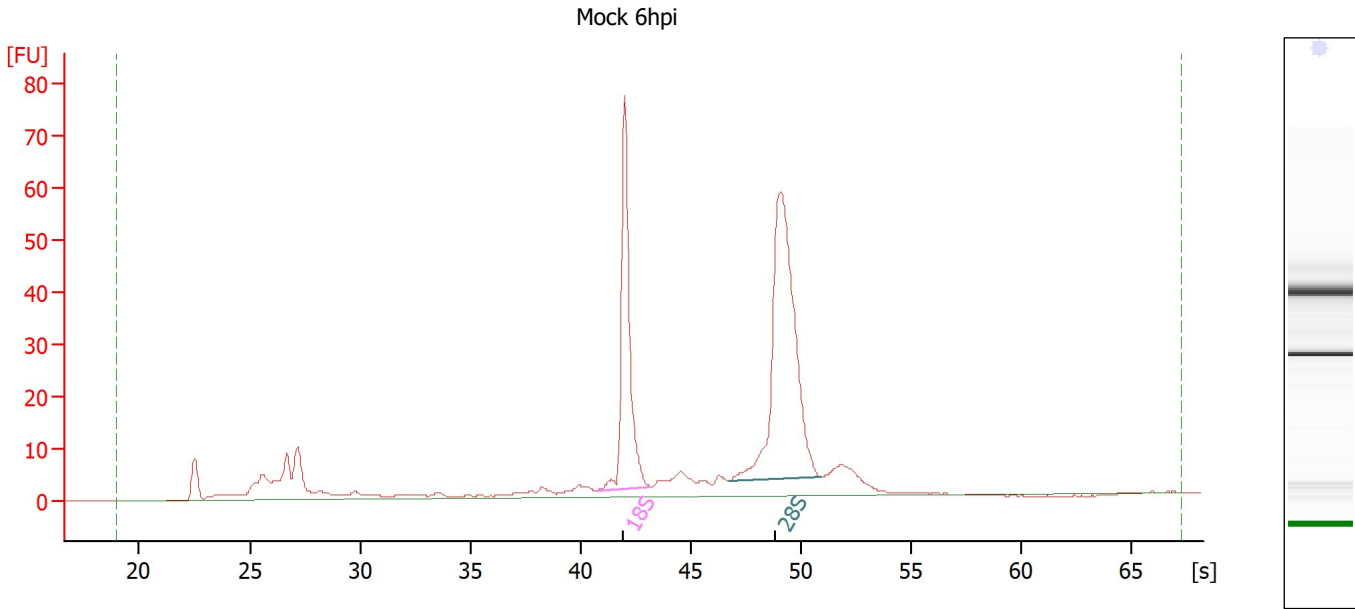
Ladder

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

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary



Overall Results for sample 1 : Mock 6hpi

RNA Area:	378.3	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	389 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.40

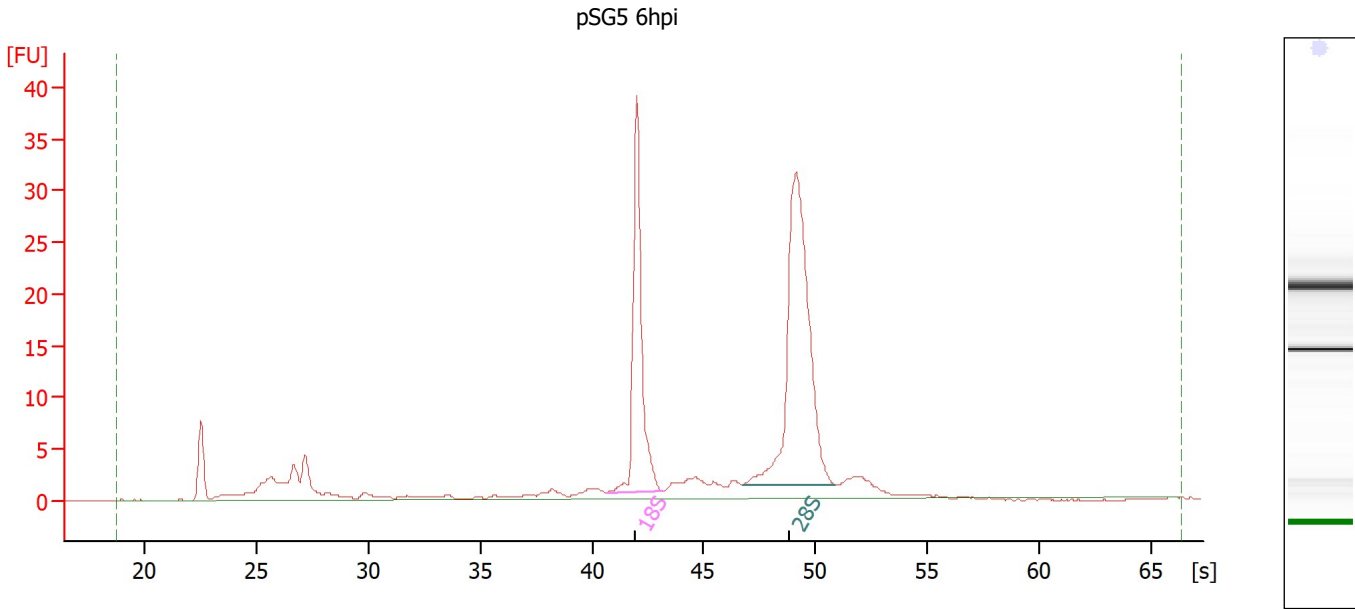
Fragment table for sample 1 : Mock 6hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.71	43.20	78.0	20.6
28S	46.75	50.94	131.8	34.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : pSG5 6hpi

RNA Area:	189.0	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	194 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.50

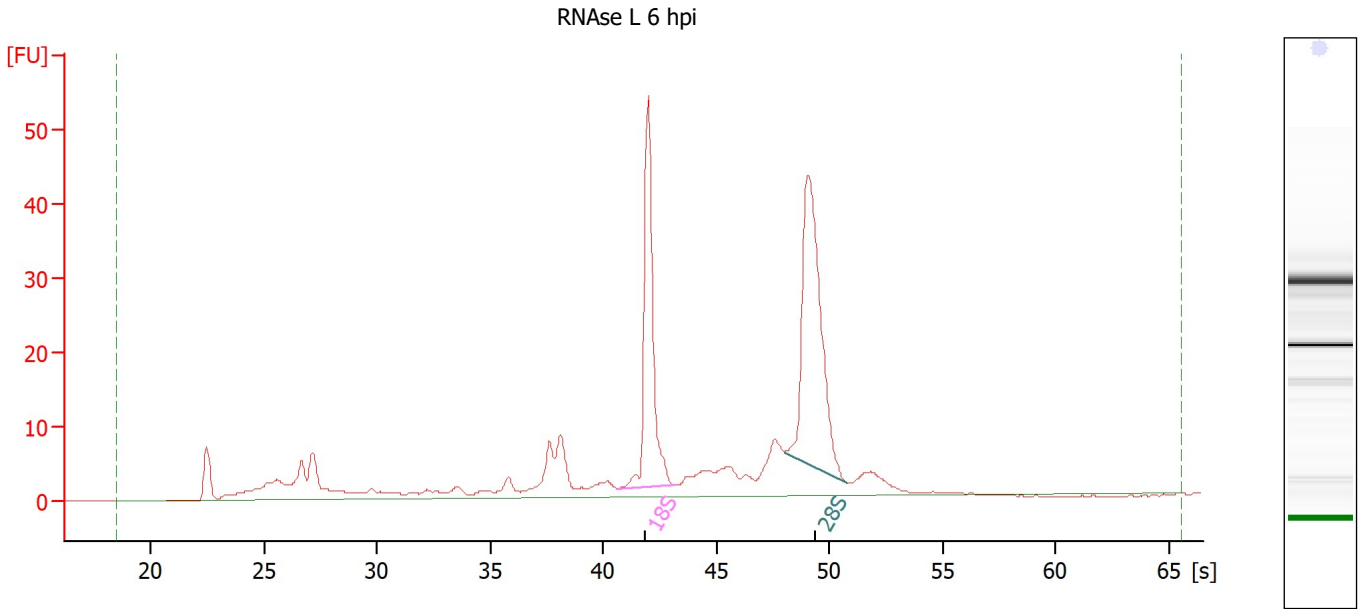
Fragment table for sample 2 : pSG5 6hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.63	43.17	39.0	20.6
28S	46.73	50.91	68.0	36.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : RNase L 6 hpi

RNA Area:	300.2	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	309 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.30

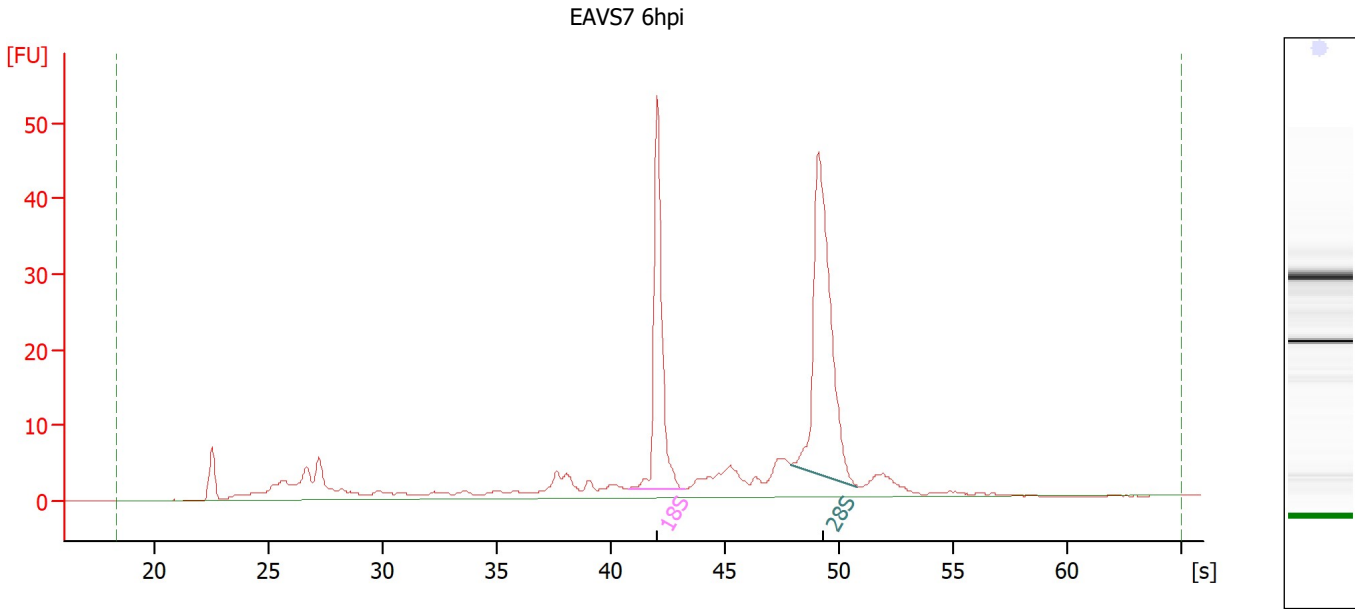
Fragment table for sample 3 : RNase L 6 hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.63	43.20	53.6	17.9
28S	47.99	50.74	74.5	24.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : EAVS7 6hpi

RNA Area:	261.0	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	268 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.80

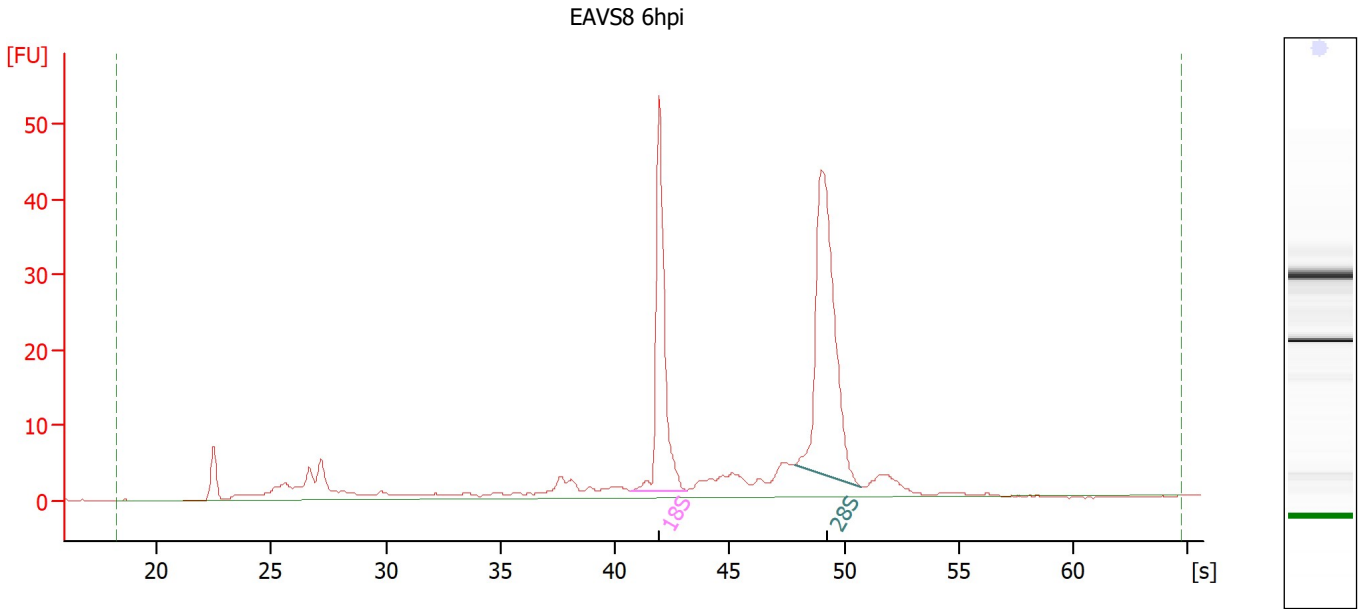
Fragment table for sample 4 : EAVS7 6hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.76	43.21	50.4	19.3
28S	47.92	50.79	73.7	28.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : EAVS8 6hpi

RNA Area:	253.1	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	260 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:9

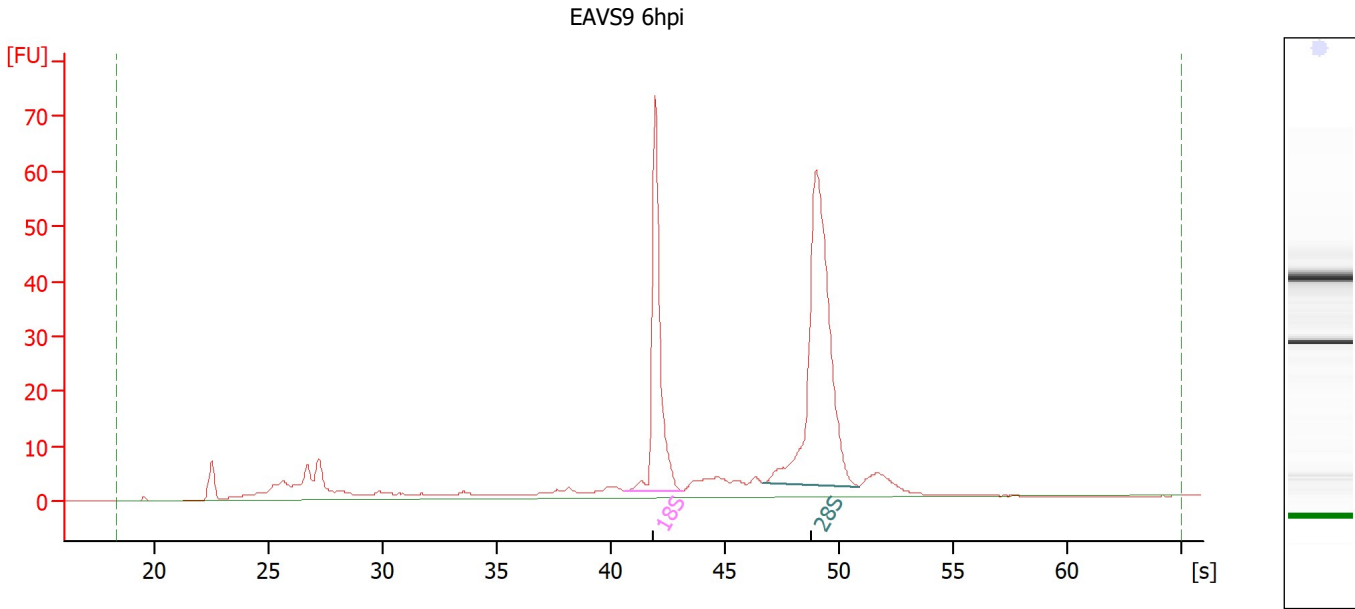
Fragment table for sample 5 : EAVS8 6hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.69	43.13	50.8	20.1
28S	47.86	50.72	77.1	30.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : EAVS9 6hpi

RNA Area:	347.2	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	357 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.30

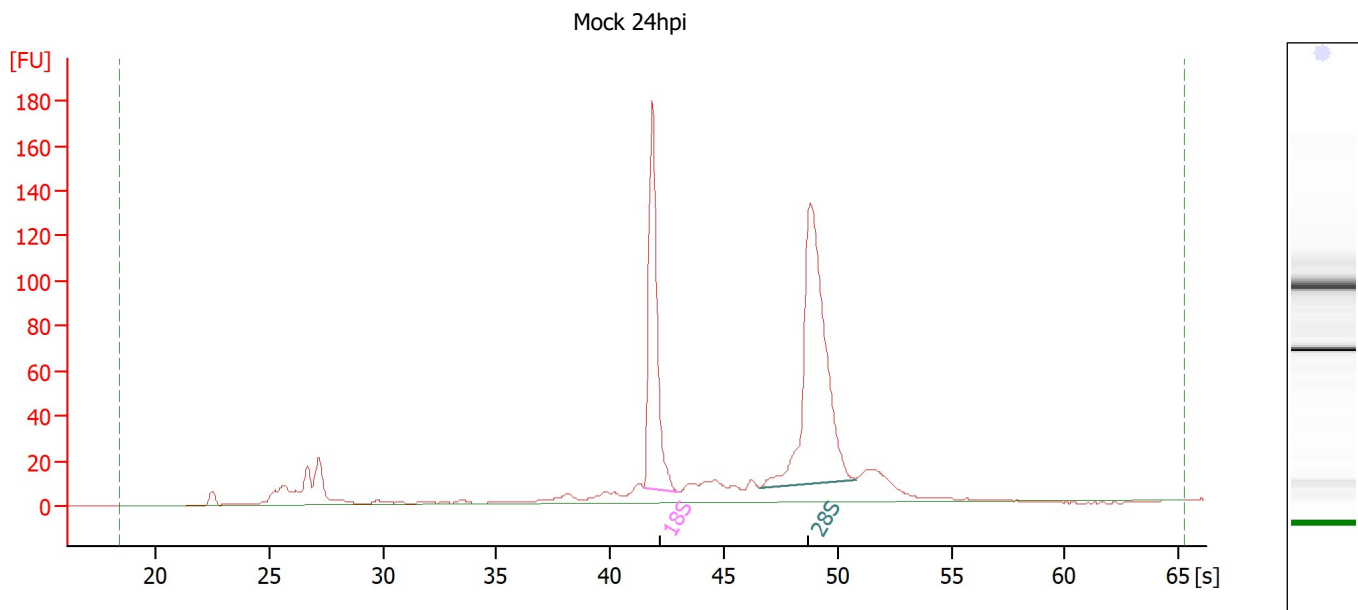
Fragment table for sample 6 : EAVS9 6hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.62	43.12	70.5	20.3
28S	46.69	50.84	122.3	35.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Mock 24hpi

RNA Area:	816.2	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	839 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.30

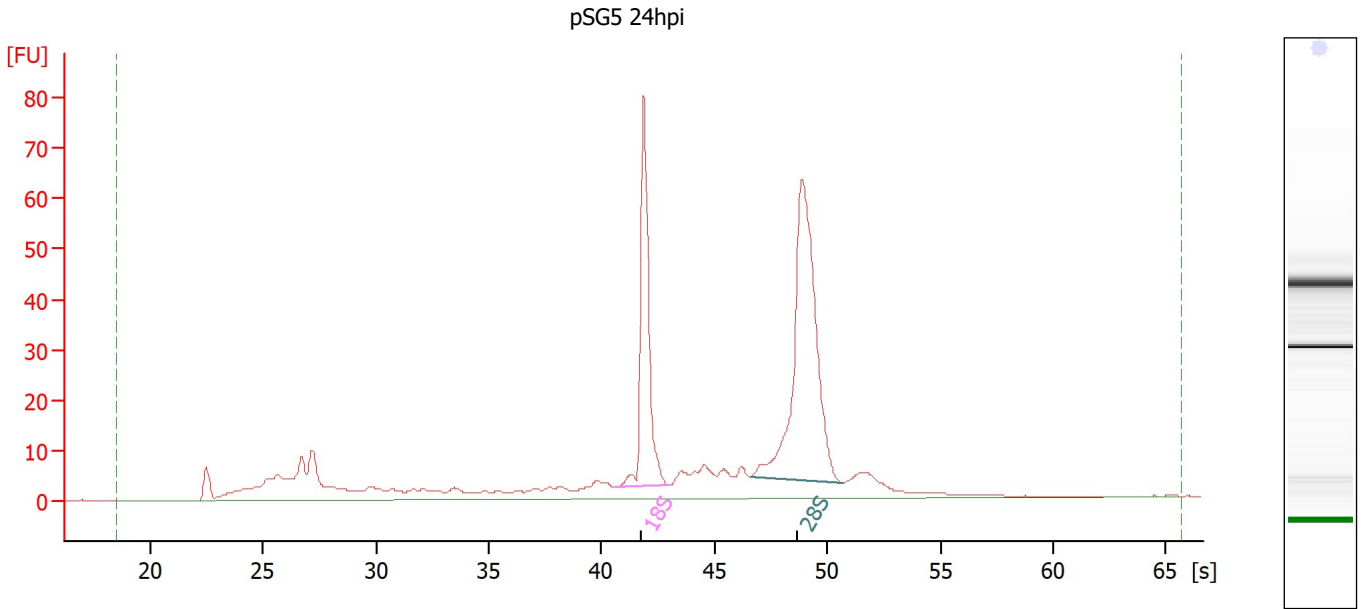
Fragment table for sample 7 : Mock 24hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.45	43.01	168.8	20.7
28S	46.61	50.77	276.5	33.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : pSG5 24hpi

RNA Area:	455.9	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	469 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.90

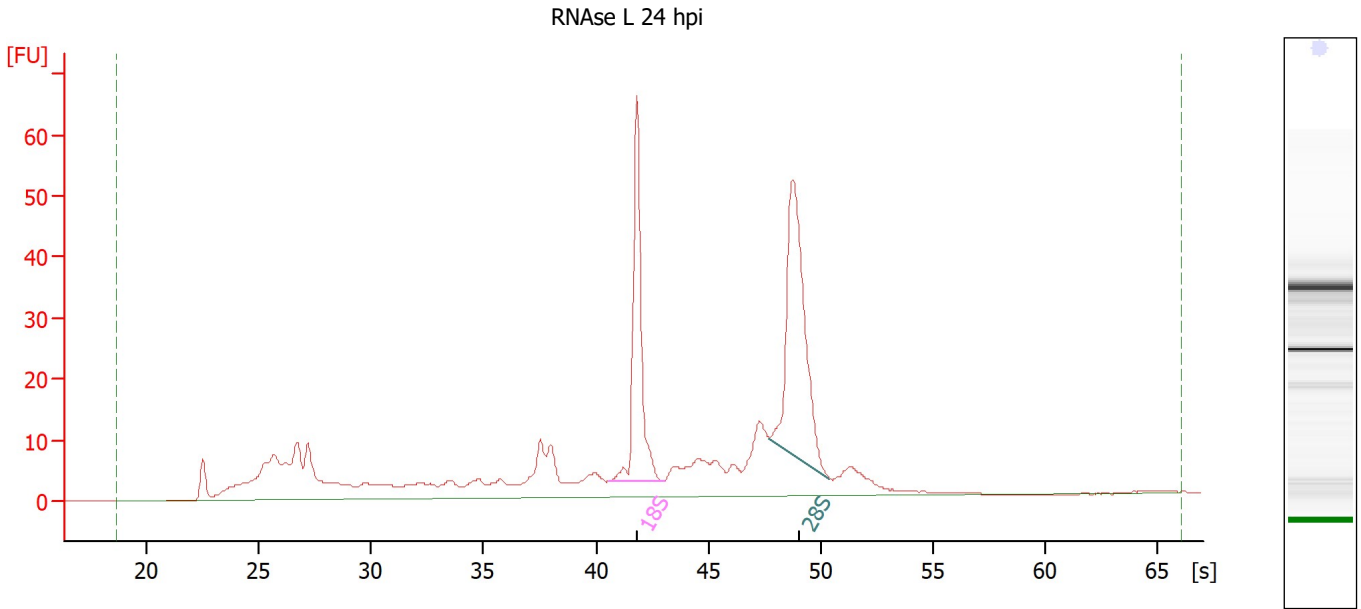
Fragment table for sample 8 : pSG5 24hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.62	43.00	75.7	16.6
28S	46.57	50.71	138.2	30.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : RNase L 24 hpi

RNA Area:	458.3	RNA Integrity Number (RIN):	7.7 (B.02.10)
RNA Concentration:	471 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.70

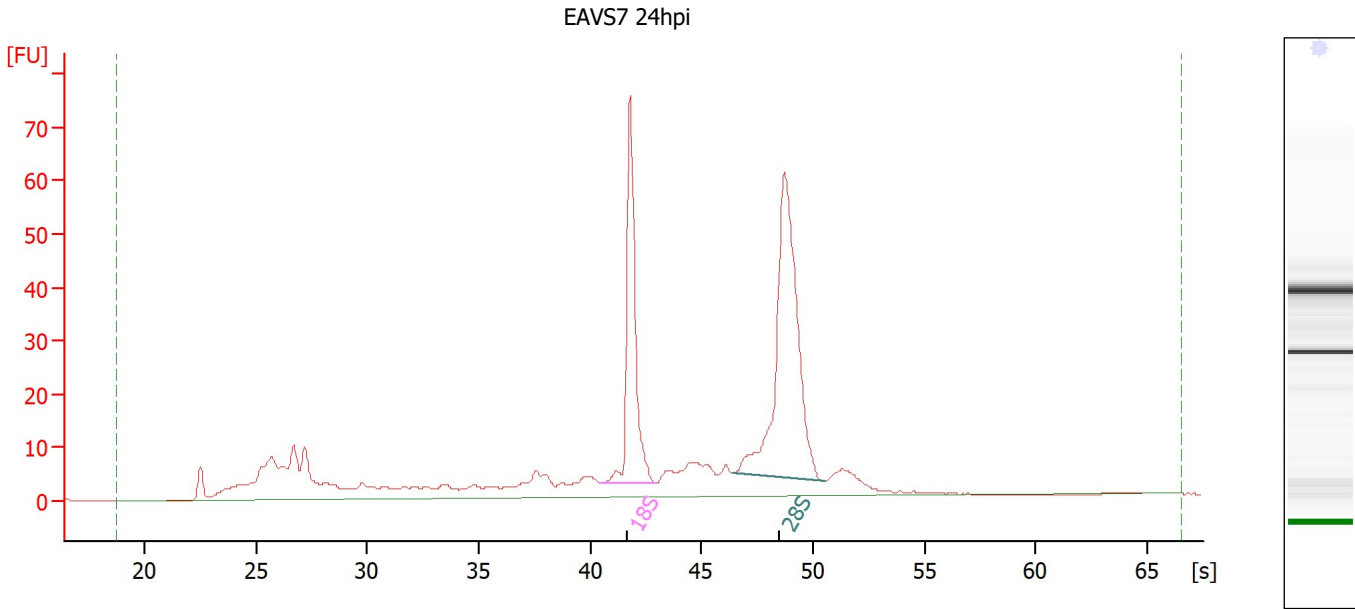
Fragment table for sample 9 : RNase L 24 hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.55	43.04	62.0	13.5
28S	47.73	50.41	84.0	18.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : EAVS7 24hpi

RNA Area:	489.4	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	503 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.50

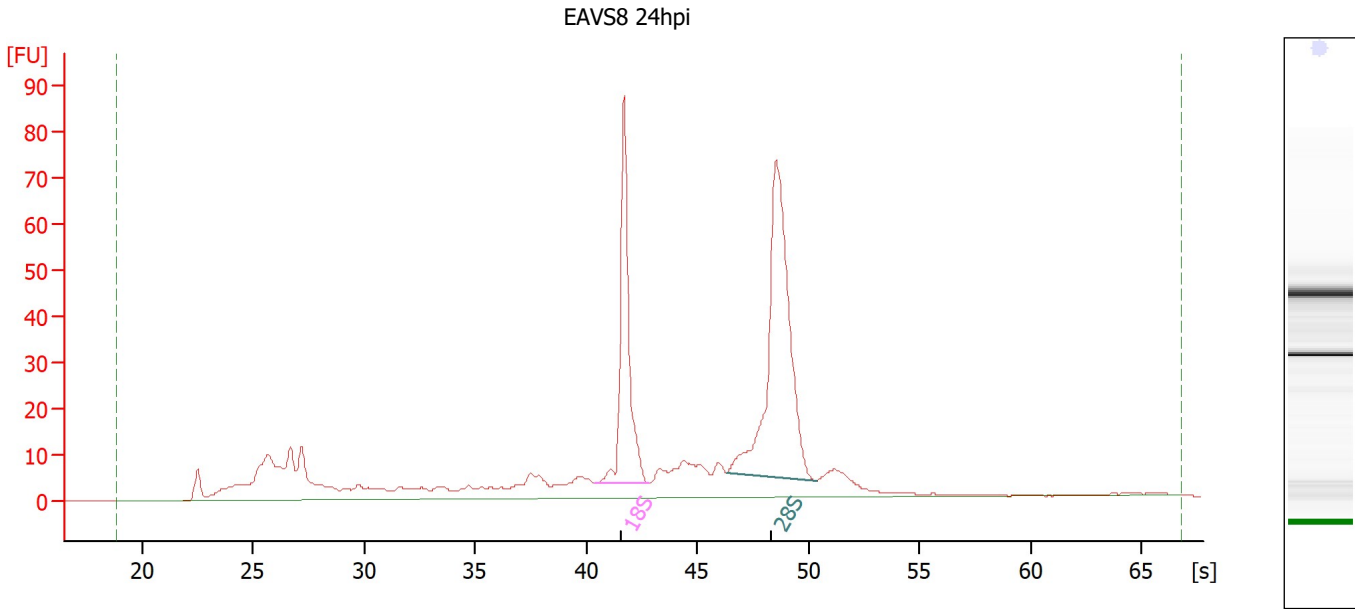
Fragment table for sample 10 : EAVS7 24hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.52	42.93	73.2	15.0
28S	46.45	50.49	128.7	26.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : EAVS8 24hpi

RNA Area:	587.1	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	604 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.60

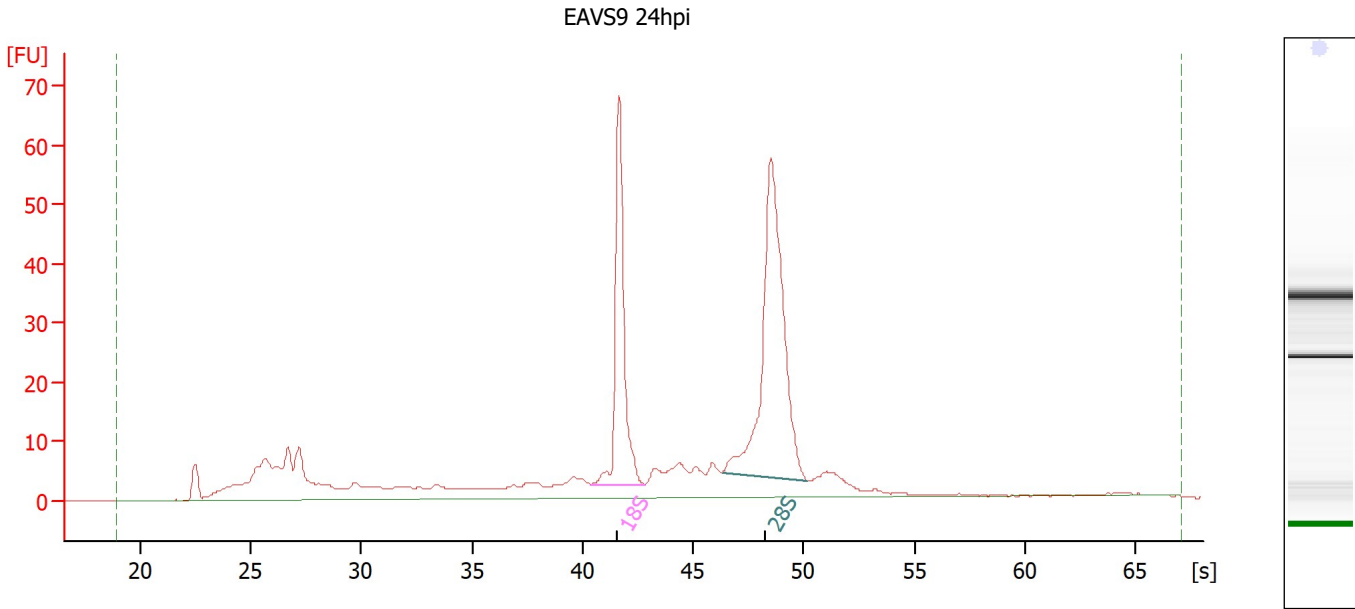
Fragment table for sample 11 : EAVS8 24hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.40	42.82	88.5	15.1
28S	46.31	50.37	154.4	26.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
 Modified: 1/6/2020 10:43:12 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : EAVS9 24hpi

RNA Area:	450.1	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	463 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.50

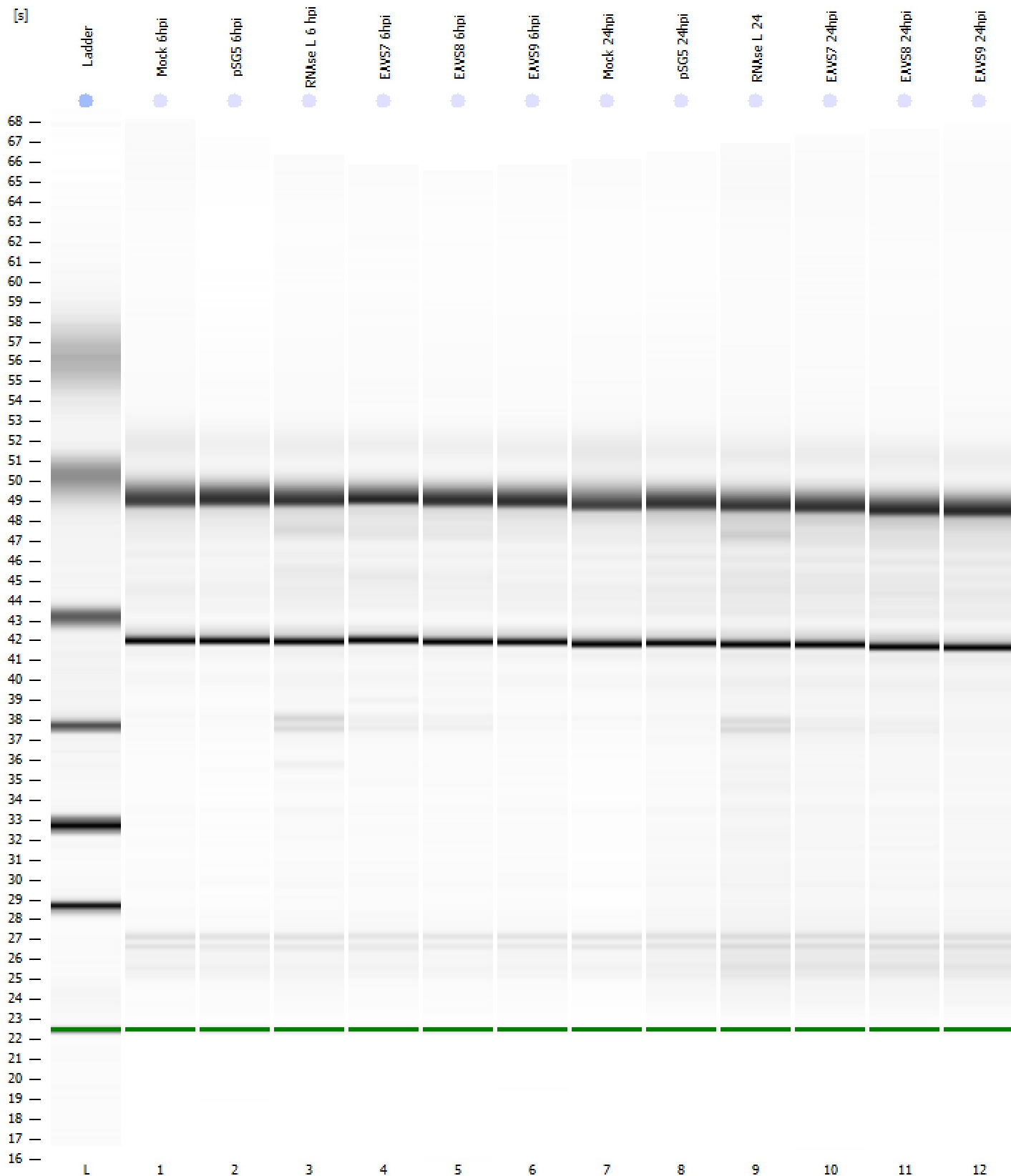
Fragment table for sample 12 : EAVS9 24hpi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.38	42.81	66.2	14.7
28S	46.31	50.20	119.3	26.5

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
Modified: 1/6/2020 10:43:12 AM

Gel Image

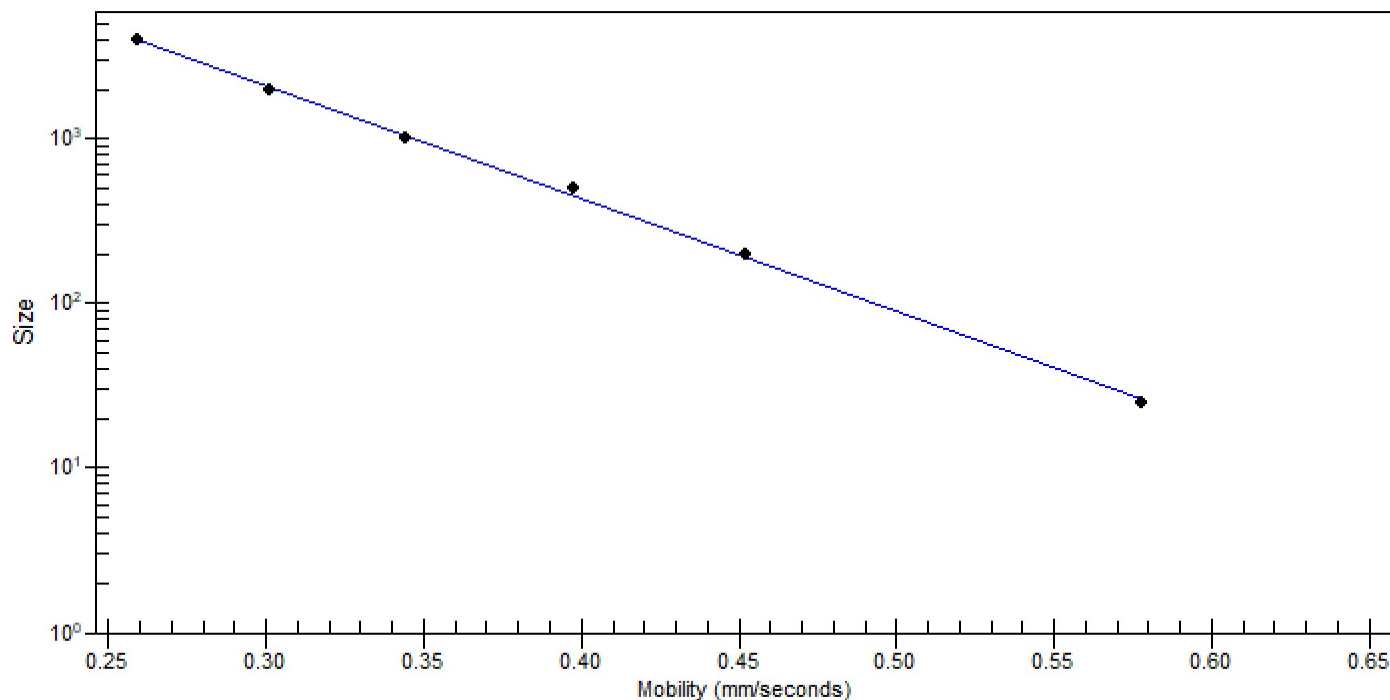


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad

Created: 1/6/2020 10:19:22 AM
Modified: 1/6/2020 10:43:12 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano Created: 1/6/2020 10:19:22 AM
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-01-06_001.xad Modified: 1/6/2020 10:43:12 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		1/6/2020 10:43:11 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-01-06\Bioanalyze r1_Eukaryote Total RNA Nano_2020-01-06_001.xad)		Instrument	Run		1/6/2020 10:19:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/6/2020 10:19:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/6/2020 10:19:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/6/2020 10:19:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/6/2020 10:19:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/6/2020 10:19:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/6/2020 10:19:28 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB