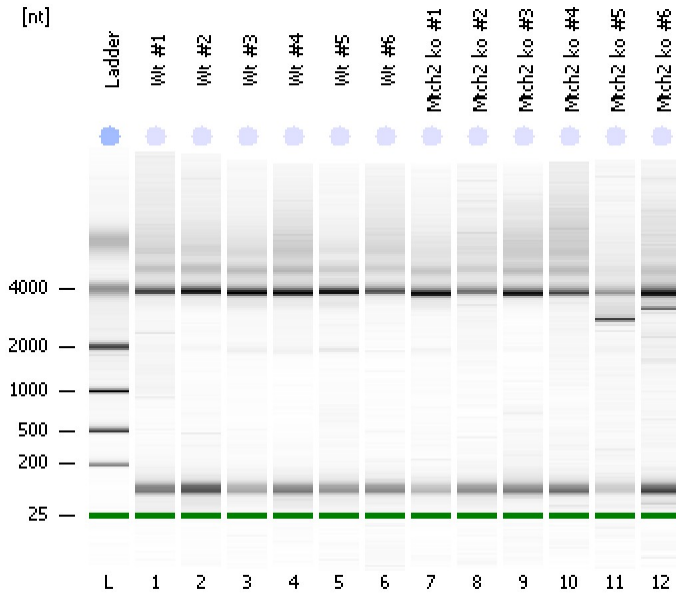


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
Modified: 11/15/2017 4:10:06 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

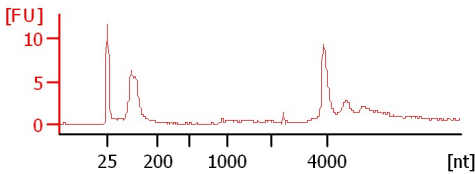
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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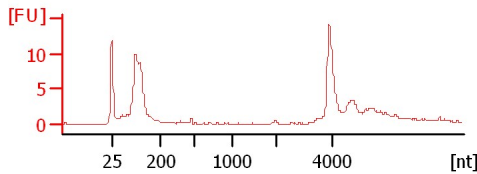
Chip Information:

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

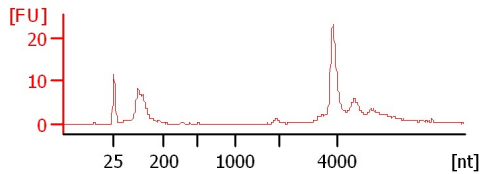
Wt #1
RIN: 8.80



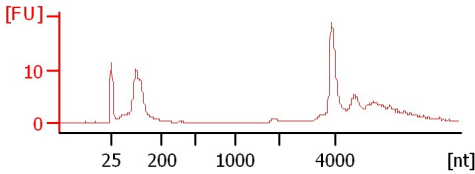
Wt #2
RIN: 9.20



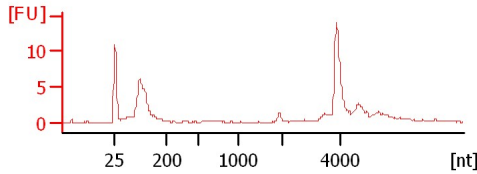
Wt #3
RIN: 7.40



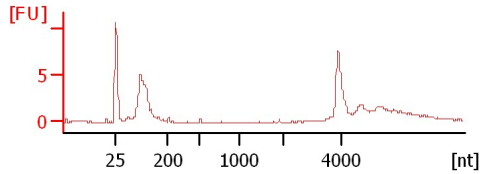
Wt #4
RIN: 9.10



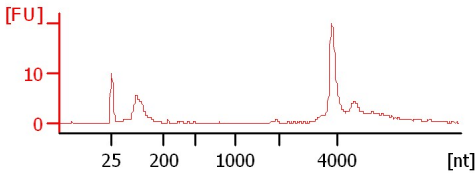
Wt #5
RIN: 7.20



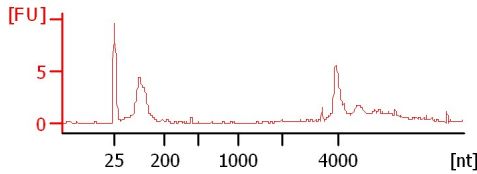
Wt #6
RIN: 6.70



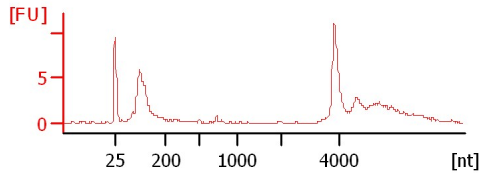
Mtch2 ko #1
RIN: 7.40



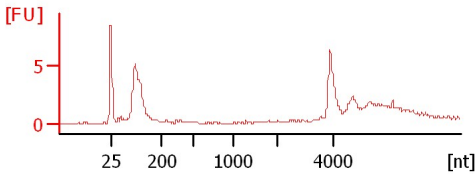
Mtch2 ko #2
RIN: 7.90



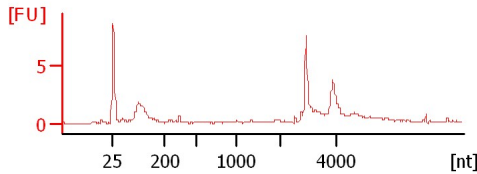
Mtch2 ko #3
RIN: 8.90



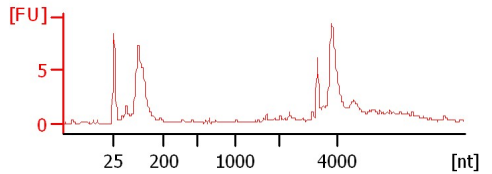
Mtch2 ko #4
RIN: 8.90



Mtch2 ko #5
RIN: 3.50



Mtch2 ko #6
RIN: 5.20



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
 Modified: 11/15/2017 4:10:06 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Wt #1		✓	RIN: 8.80	
Wt #2		✓	RIN: 9.20	
Wt #3		✓	RIN: 7.40	
Wt #4		✓	RIN: 9.10	
Wt #5		✓	RIN: 7.20	
Wt #6		✓	RIN: 6.70	
Mtch2 ko #1		✓	RIN: 7.40	
Mtch2 ko #2		✓	RIN: 7.90	
Mtch2 ko #3		✓	RIN: 8.90	
Mtch2 ko #4		✓	RIN: 8.90	
Mtch2 ko #5		✓	RIN: 3.50	
Mtch2 ko #6		✓	RIN: 5.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
Modified: 11/15/2017 4:10:06 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

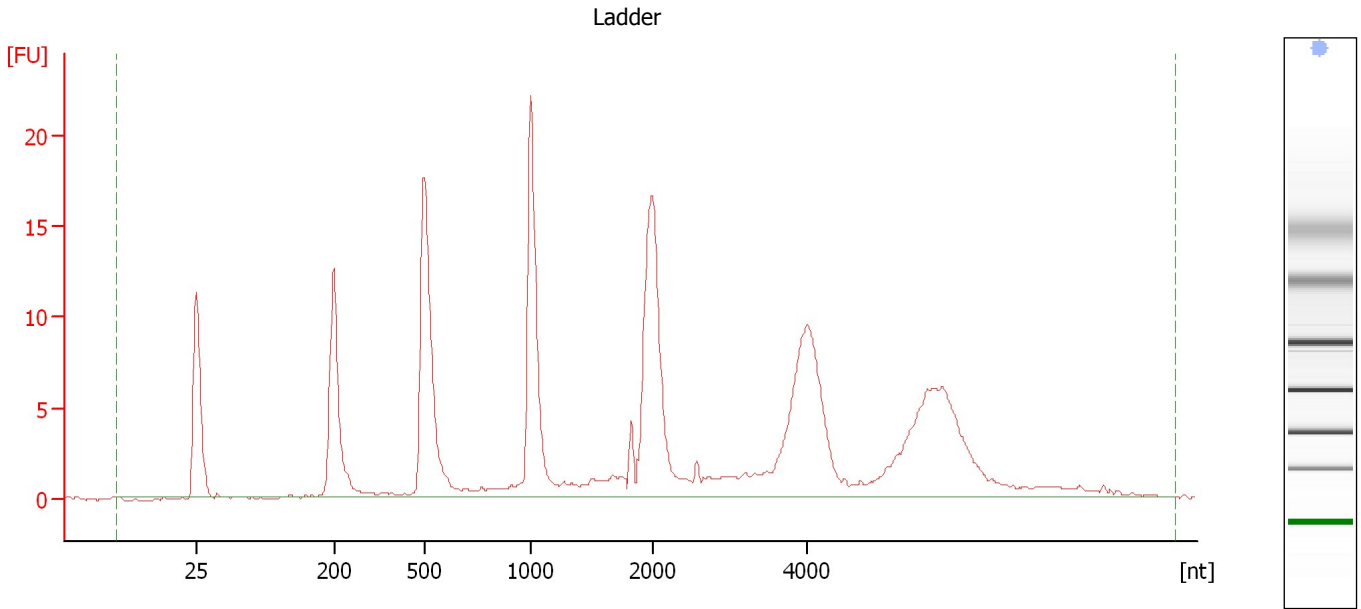
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary



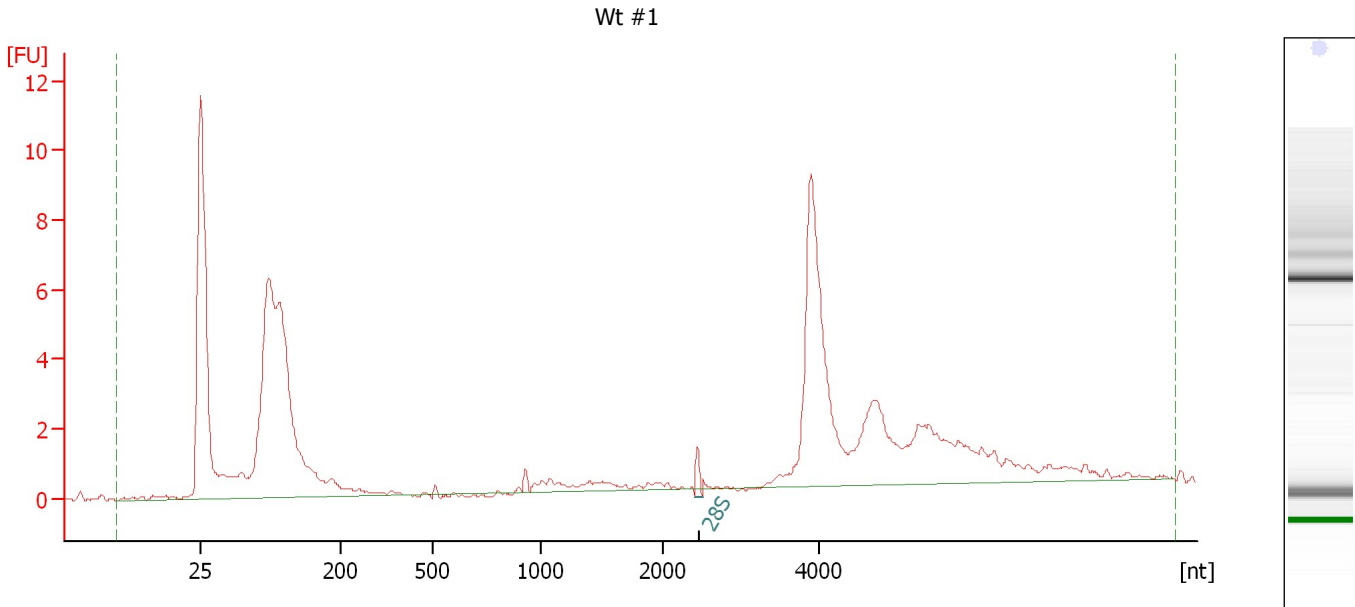
Overall Results for Ladder

RNA Area:	204.4	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Wt #1

RNA Area:	83.0	RNA Integrity Number (RIN):	8.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	61 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 8.80

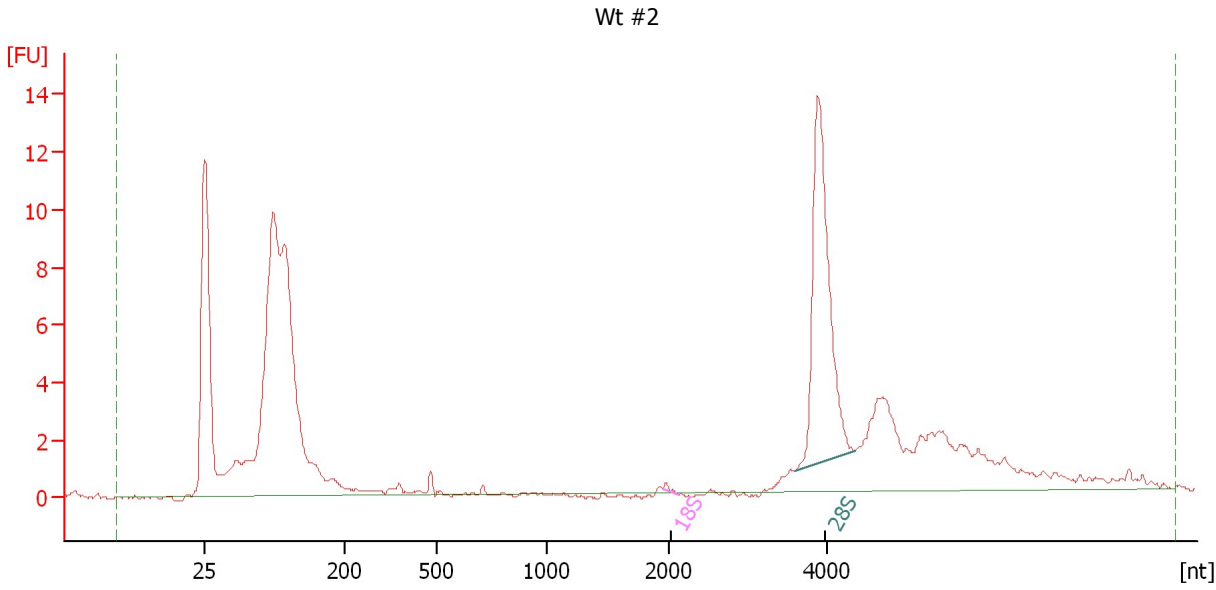
Fragment table for sample 1 : Wt #1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,401	2,510	0.7	0.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Wt #2

RNA Area:	120.8	RNA Integrity Number (RIN):	9.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	89 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	130.8	Result Flagging Label:	RIN: 9.20

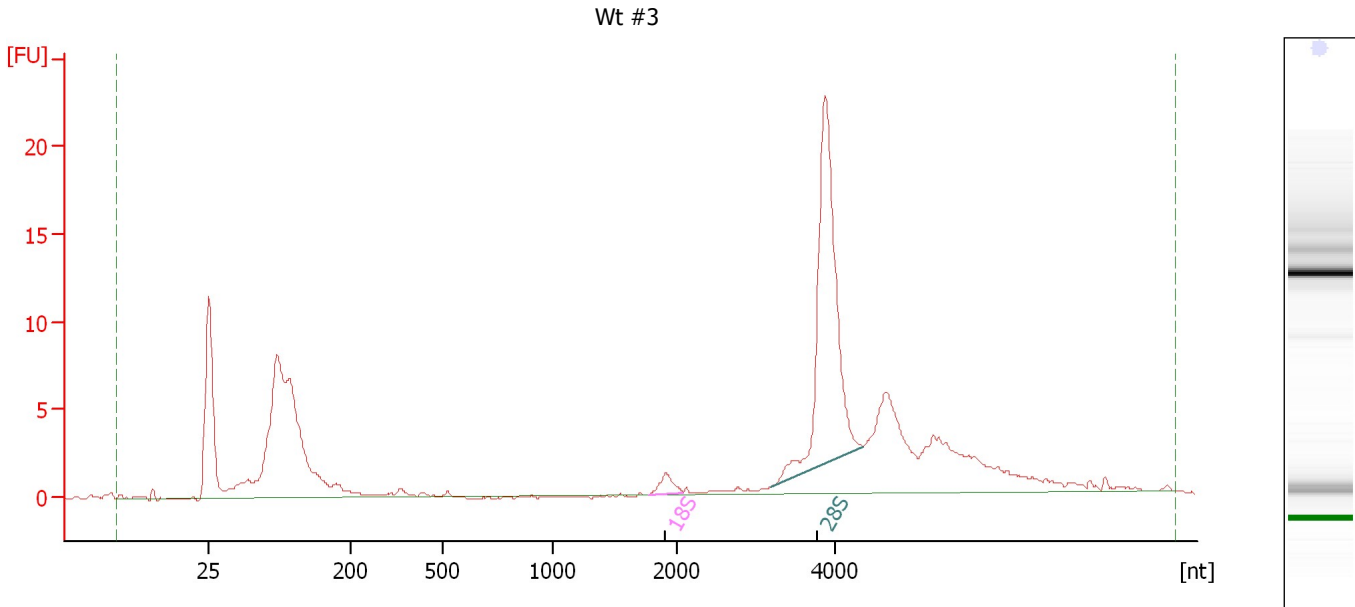
Fragment table for sample 2 : Wt #2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,953	2,117	0.2	0.1
28S	3,595	4,354	21.0	17.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
 Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Wt #3

RNA Area:	146.8	RNA Integrity Number (RIN):	7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	108 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	20.8	Result Flagging Label:	RIN: 7.40

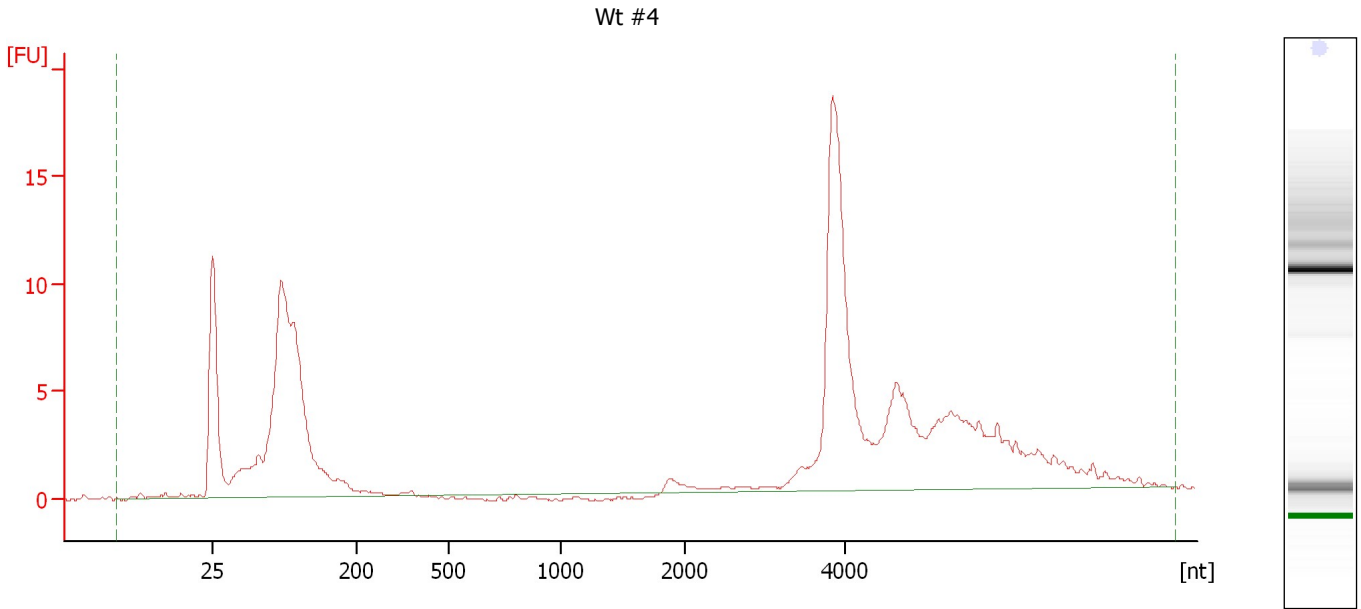
Fragment table for sample 3 : Wt #3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,766	2,080	1.8	1.2
28S	3,182	4,338	38.1	26.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Wt #4

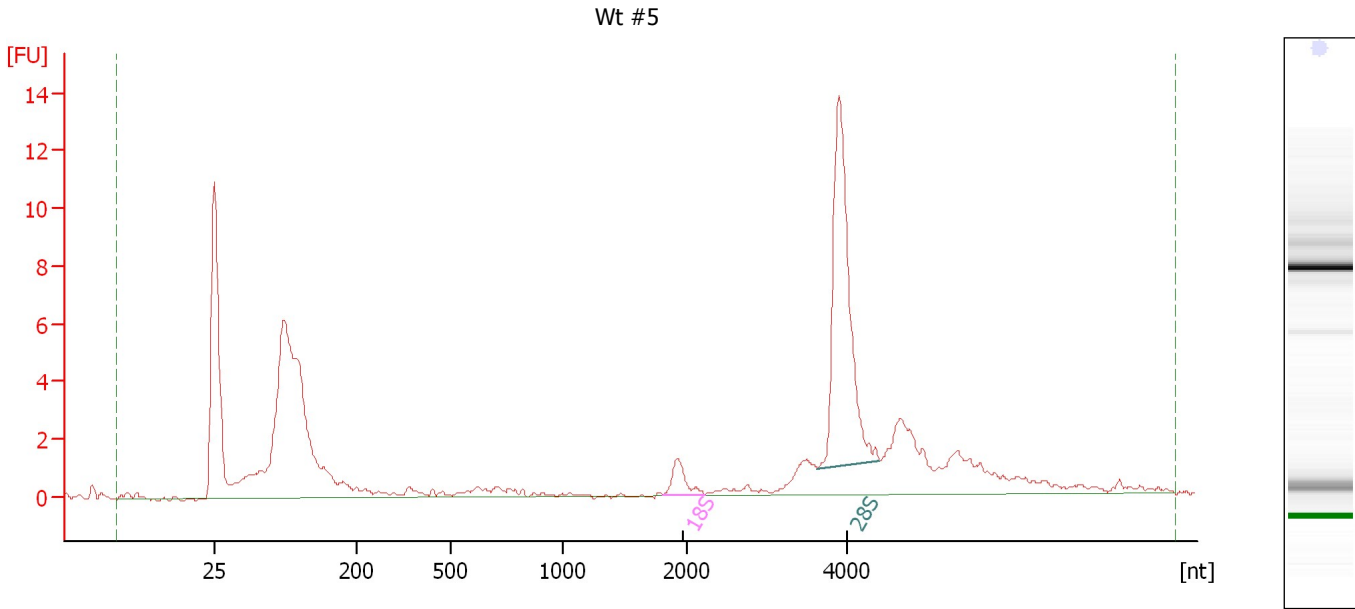
RNA Area: 153.5
RNA Concentration: 113 ng/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 9.1 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 9.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Wt #5

RNA Area:	93.8	RNA Integrity Number (RIN):	7.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	69 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	11.0	Result Flagging Label:	RIN: 7.20

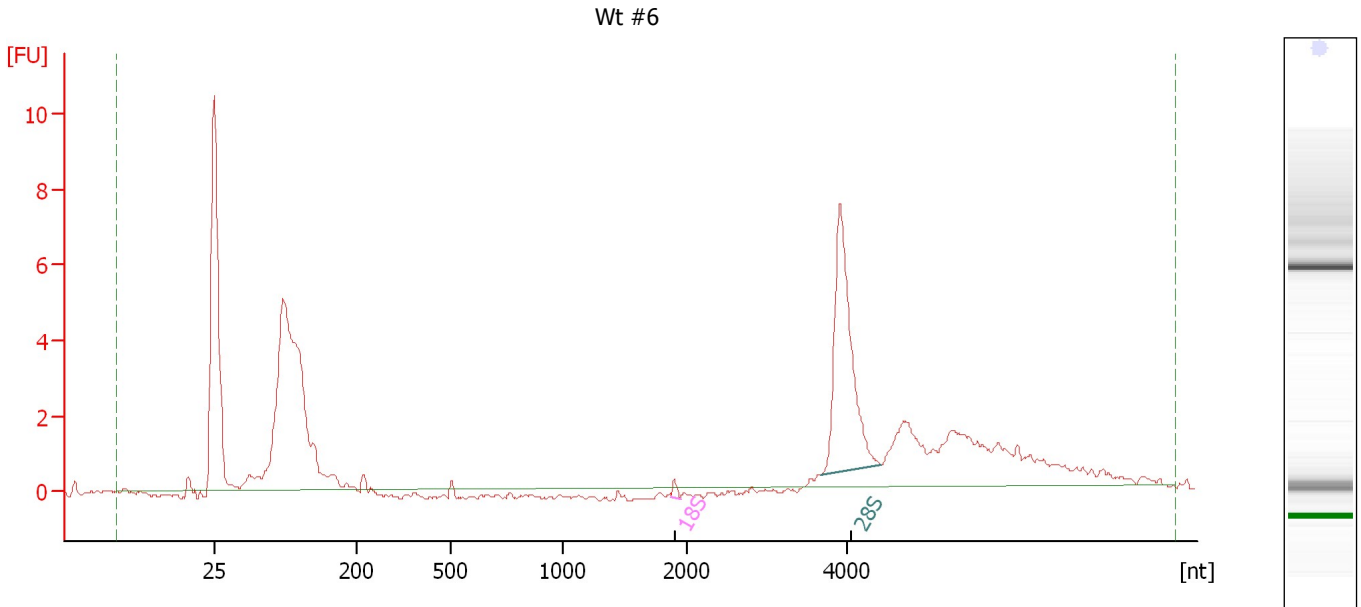
Fragment table for sample 5 : Wt #5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,806	2,217	1.9	2.0
28S	3,628	4,399	20.6	22.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
 Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Wt #6

RNA Area:	59.1	RNA Integrity Number (RIN):	6.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	43 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	53.7	Result Flagging Label:	RIN: 6.70

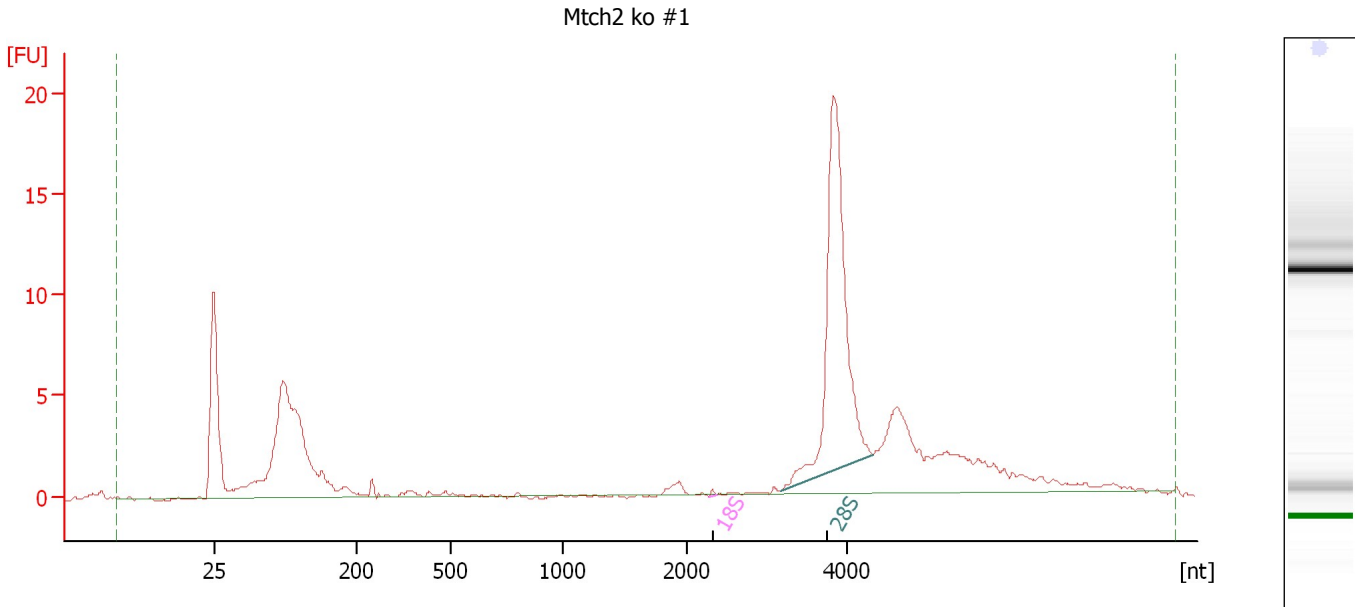
Fragment table for sample 6 : Wt #6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,874	1,943	0.2	0.4
28S	3,667	4,413	11.6	19.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
 Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Mtch2 ko #1

RNA Area:	108.6	RNA Integrity Number (RIN):	7.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	80 ng/μl		
rRNA Ratio [28s / 18s]:	231.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.40

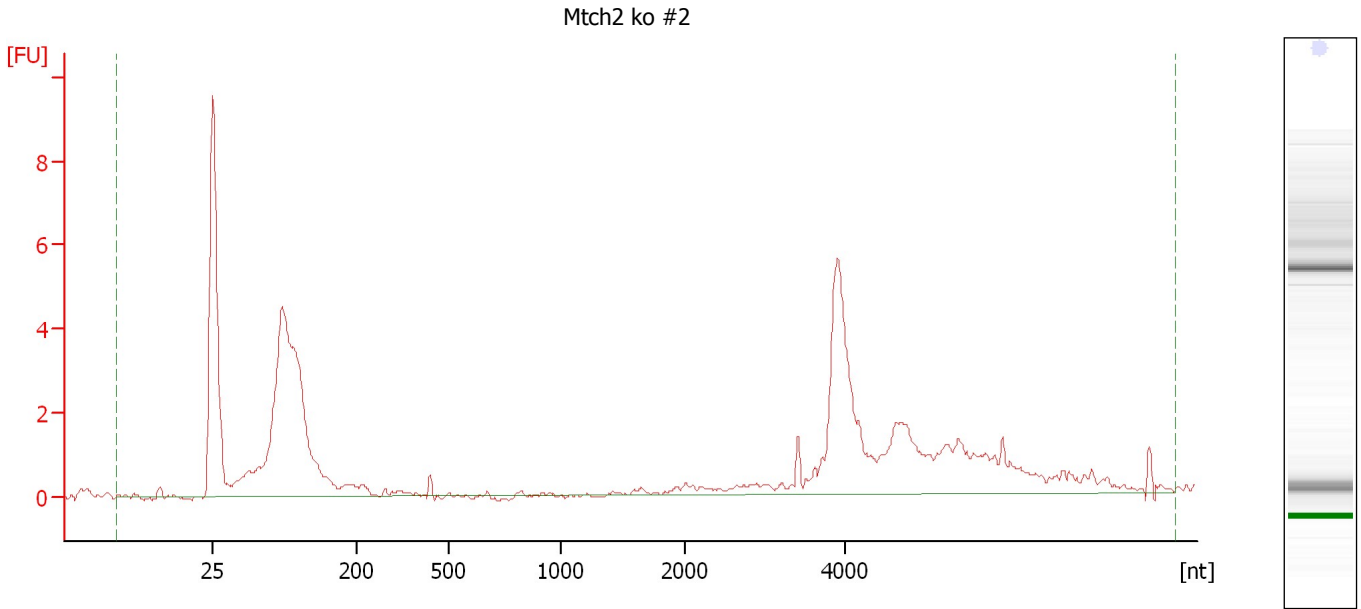
Fragment table for sample 7 : Mtch2 ko #1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,270	2,377	0.1	0.1
28S	3,175	4,306	34.3	31.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



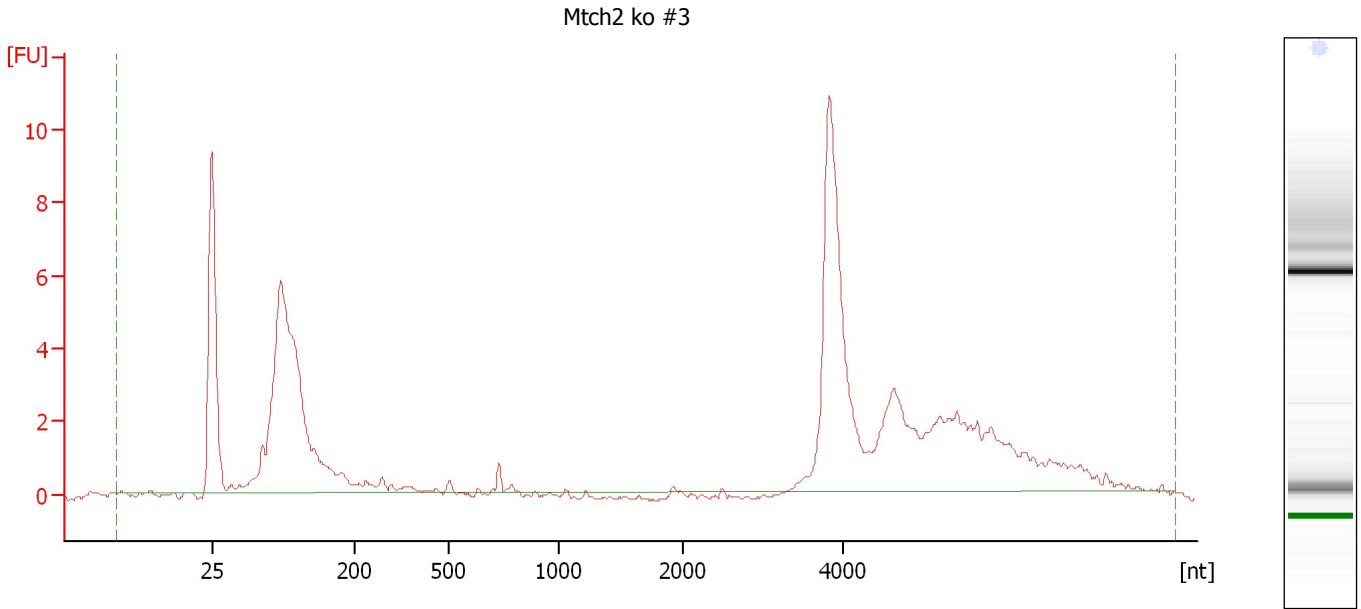
Overall Results for sample 8 : Mtch2 ko #2

RNA Area:	59.7	RNA Integrity Number (RIN):	7.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	44 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



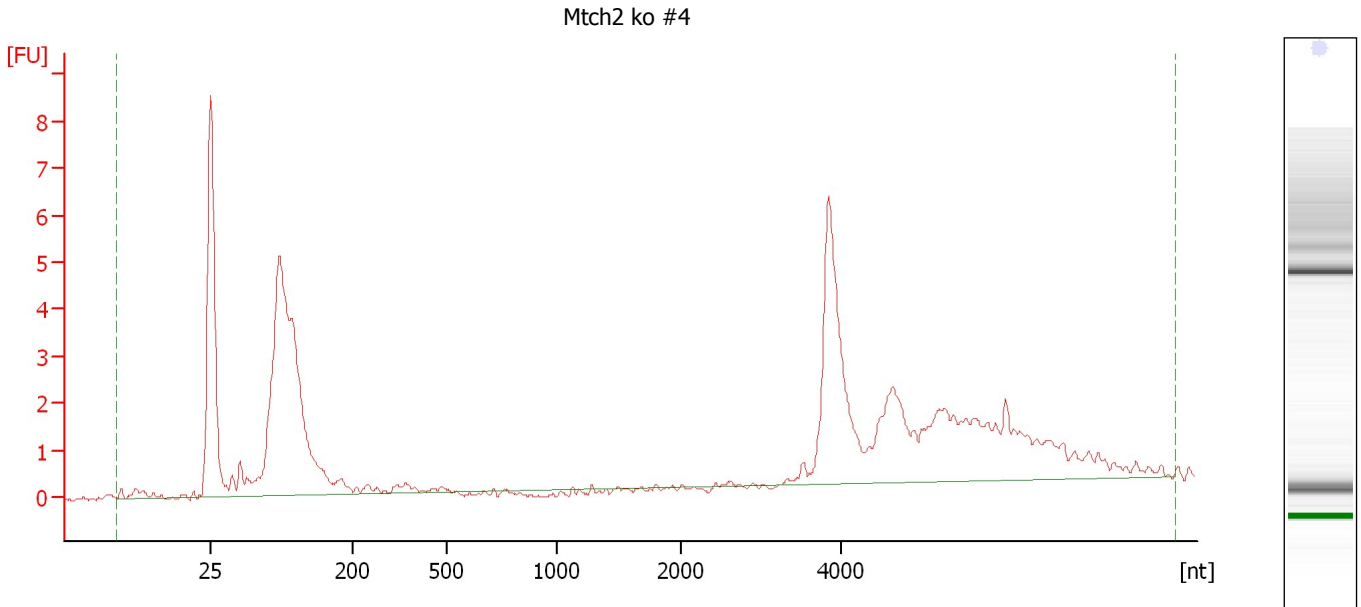
Overall Results for sample 9 : Mtch2 ko #3

RNA Area:	85.8	RNA Integrity Number (RIN):	8.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	63 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 8.90

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



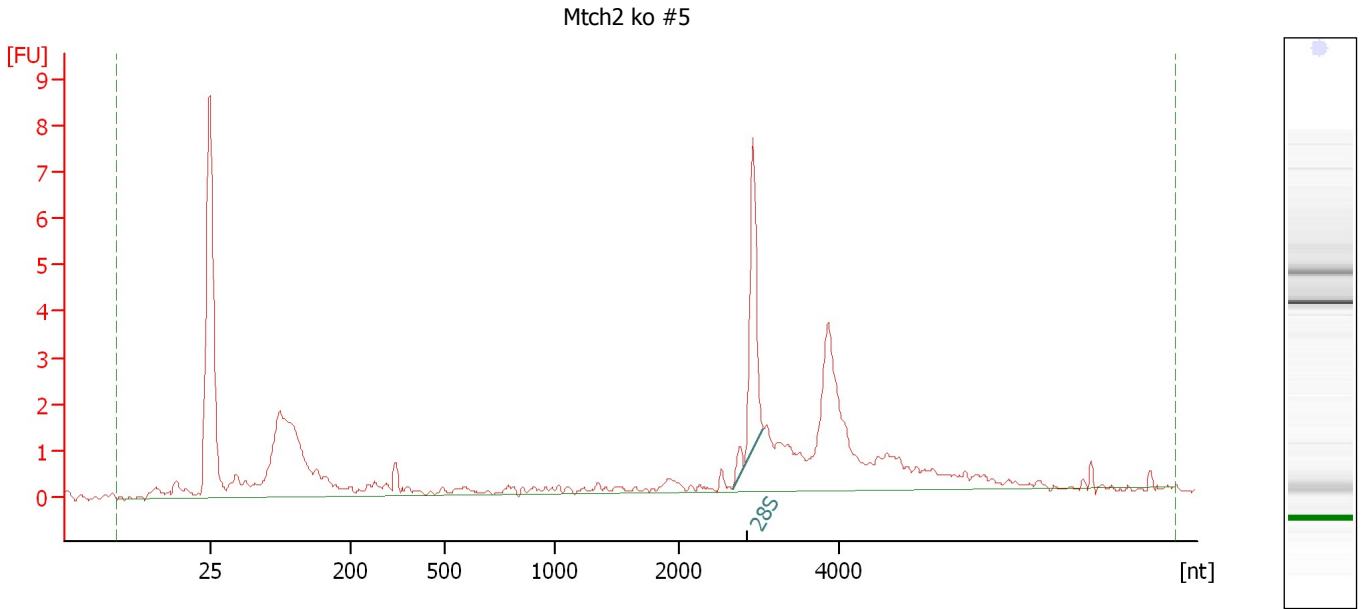
Overall Results for sample 10 : Mtch2 ko #4

RNA Area:	62.7	RNA Integrity Number (RIN):	8.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	46 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 8.90

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
 Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Mtch2 ko #5

RNA Area:	45.4	RNA Integrity Number (RIN):	3.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	33 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.50

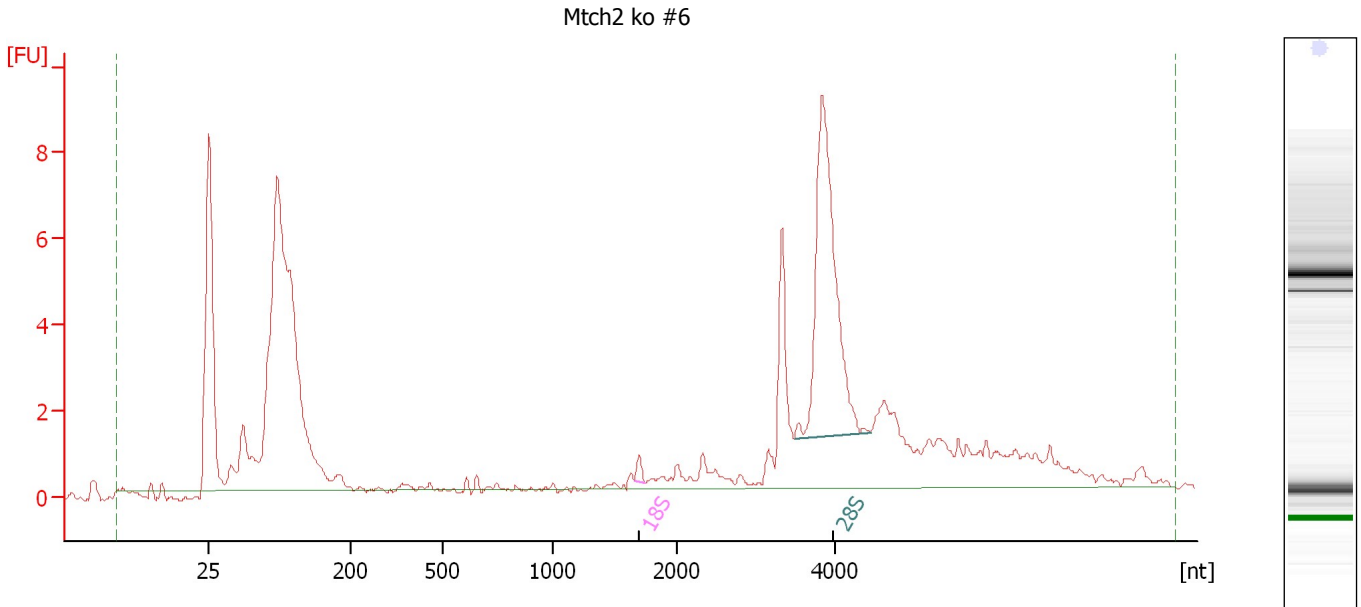
Fragment table for sample 11 : Mtch2 ko #5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,671	3,060	4.8	10.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
 Modified: 11/15/2017 4:10:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Mtch2 ko #6

RNA Area:	91.4	RNA Integrity Number (RIN):	5.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	67 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	39.9	Result Flagging Label:	RIN: 5.20

Fragment table for sample 12 : Mtch2 ko #6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,654	1,740	0.4	0.4
28S	3,478	4,433	15.3	16.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-15\2017-11-15_001.xad

Created: 11/15/2017 3:44:33 PM
Modified: 11/15/2017 4:10:06 PM

Gel Image

