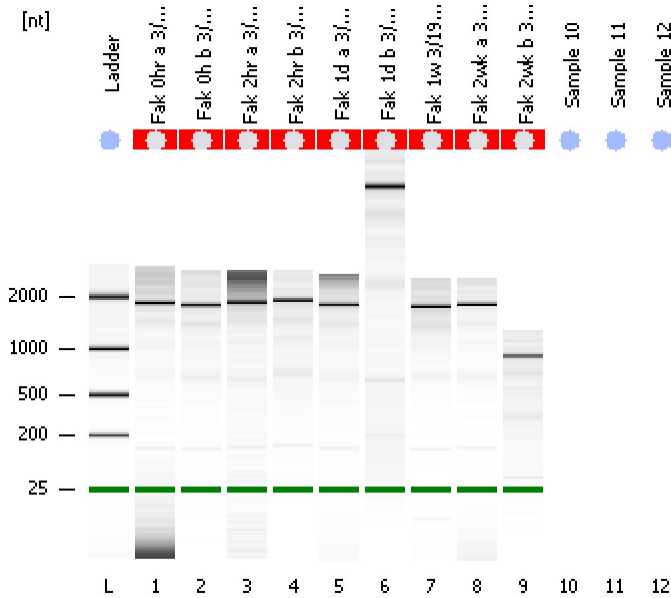


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

Electrophoresis File Run Summary



Instrument Information:

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

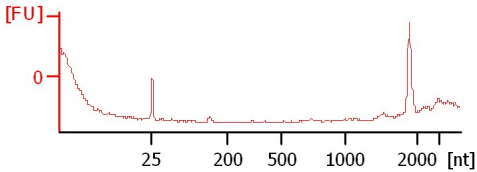
Assay Information:

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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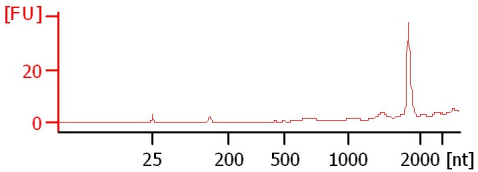
Chip Information:

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

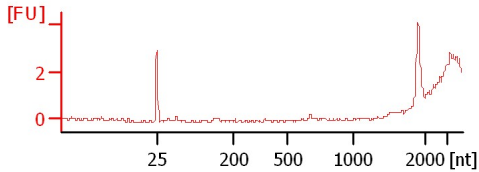
**Fak 0hr a 3/12/12**  
RIN N/A



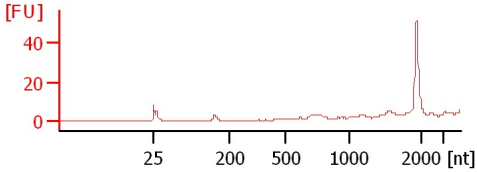
**Fak 0h b 3/12/12**  
RIN N/A



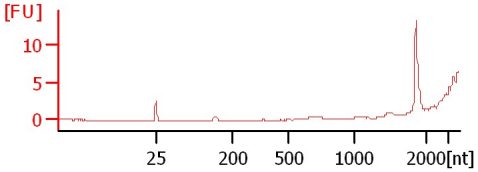
**Fak 2hr a 3/12/12**  
RIN N/A



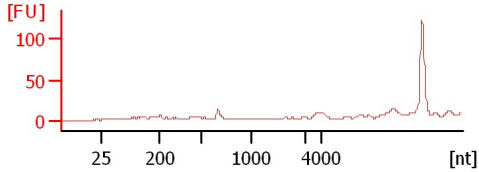
**Fak 2hr b 3/12/12**  
RIN N/A



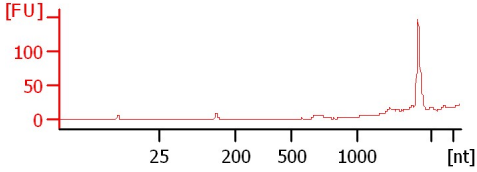
**Fak 1d a 3/13/12**  
RIN N/A



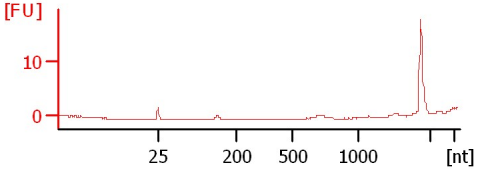
**Fak 1d b 3/13/12**  
RIN N/A



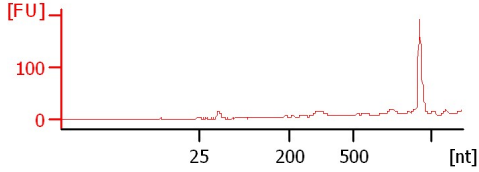
**Fak 1w 3/19/12**  
RIN N/A



**Fak 2wk a 3/27/12**  
RIN N/A



**Fak 2wk b 3/27/12**  
RIN N/A



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
Fak 0hr a 3/12/12		✓	RIN N/A	
Fak 0h b 3/12/12		✓	RIN N/A	
Fak 2hr a 3/12/12		✓	RIN N/A	
Fak 2hr b 3/12/12		✓	RIN N/A	
Fak 1d a 3/13/12		✓	RIN N/A	
Fak 1d b 3/13/12		✓	RIN N/A	
Fak 1w 3/19/12		✓	RIN N/A	
Fak 2wk a 3/27/12		✓	RIN N/A	
Fak 2wk b 3/27/12		✓	RIN N/A	
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 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

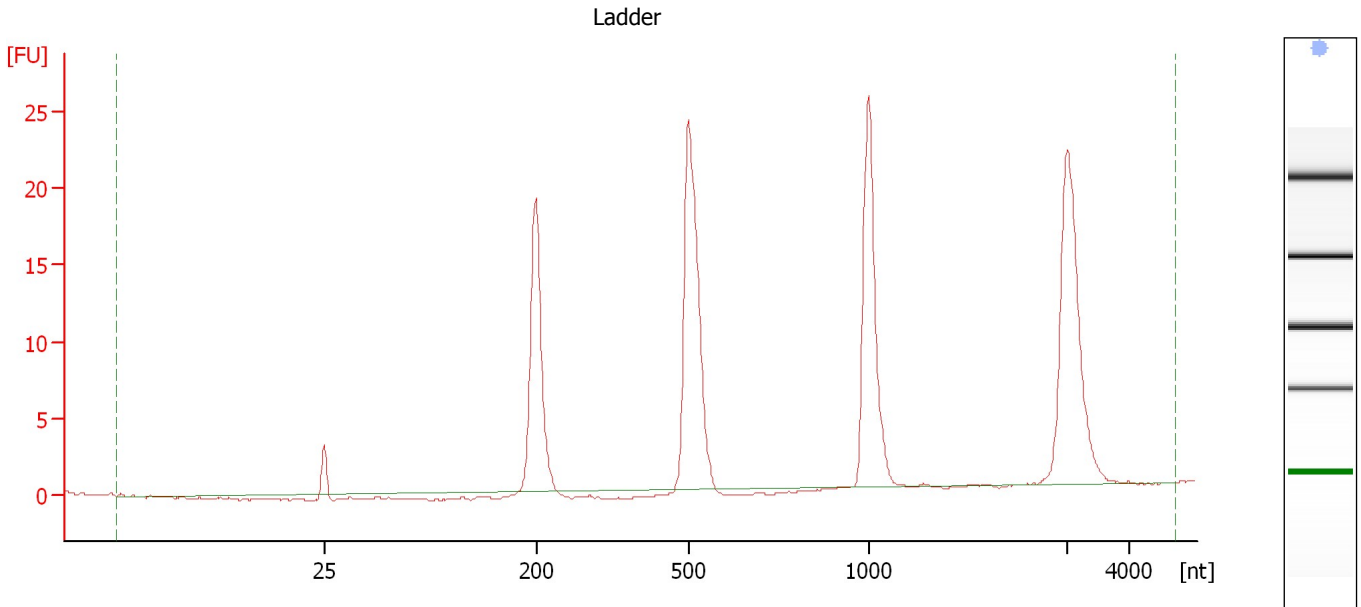
**Ladder**

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

**Electropherogram Summary**



**Overall Results for Ladder**

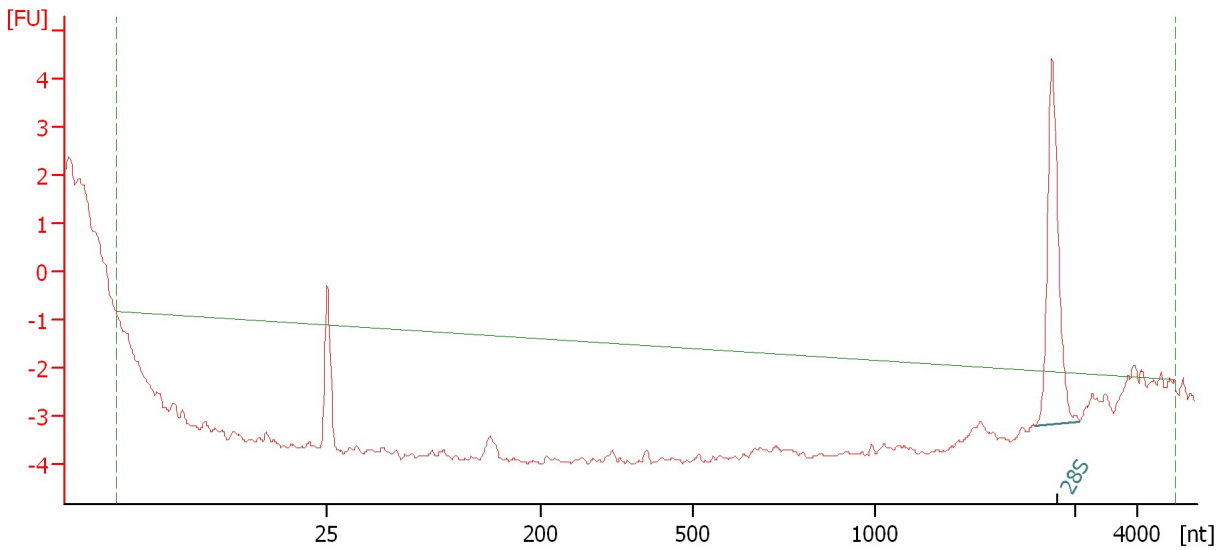
RNA Area:	130.8	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad


Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

**Electropherogram Summary Continued ...**

Fak 0hr a 3/12/12



**Overall Results for sample 1 : Fak 0hr a 3/12/12**

RNA Area:	5.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 1 : Fak 0hr a 3/12/12**

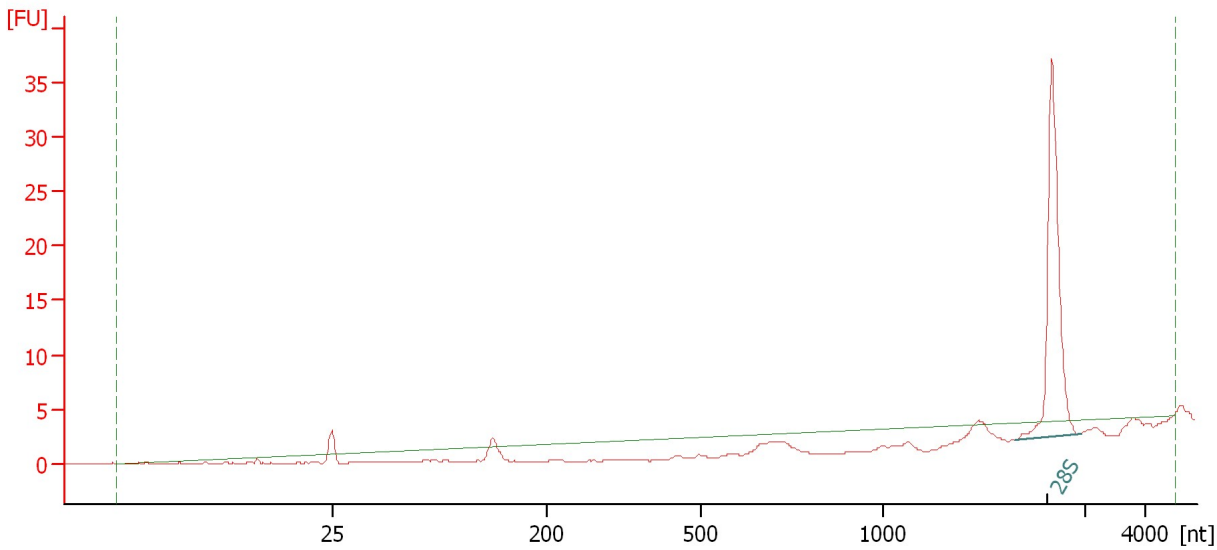
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,805	2,154	7.0	139.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

**Electropherogram Summary Continued ...**

Fak 0h b 3/12/12



**Overall Results for sample 2 : Fak 0h b 3/12/12**

RNA Area:	27.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	32 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 2 : Fak 0h b 3/12/12**

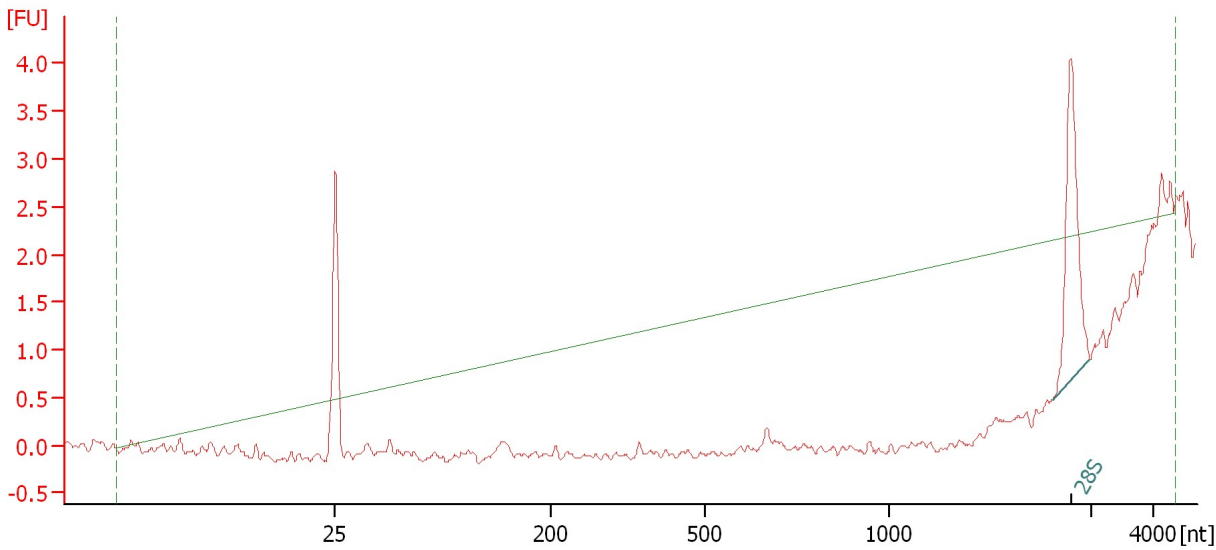
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,654	1,982	32.0	114.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad


Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

**Electropherogram Summary Continued ...**

Fak 2hr a 3/12/12



**Overall Results for sample 3 : Fak 2hr a 3/12/12**

RNA Area:	1.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 3 : Fak 2hr a 3/12/12**

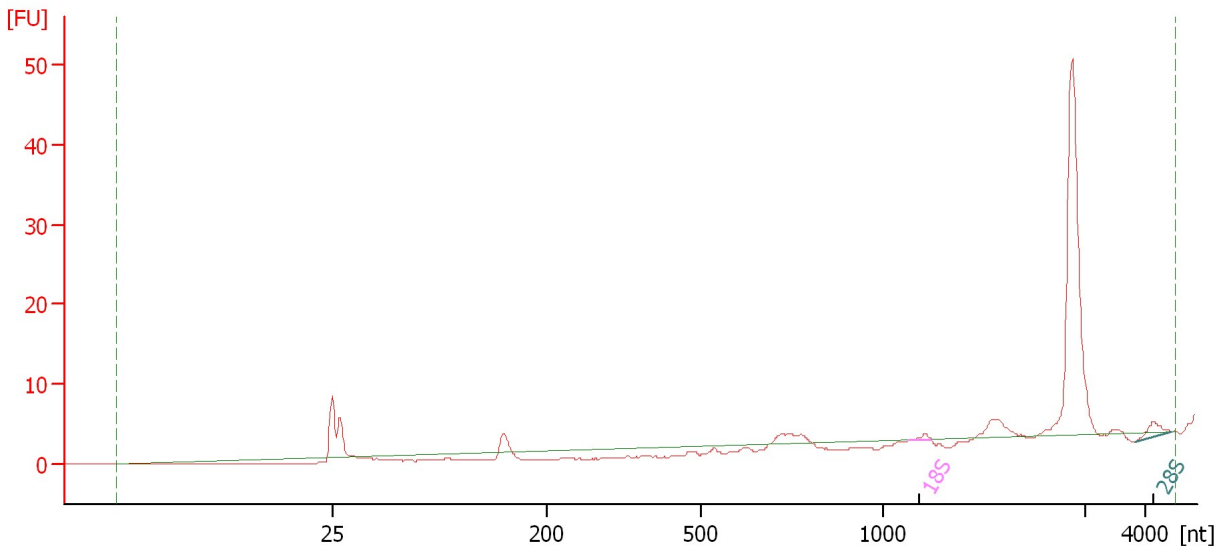
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,811	1,989	3.2	249.9

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
 Modified: 10/7/2013 5:02:35 PM

**Electropherogram Summary Continued ...**

Fak 2hr b 3/12/12



**Overall Results for sample 4 : Fak 2hr b 3/12/12**

RNA Area:	54.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	62 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	3.2	Result Flagging Label:	RIN N/A

**Fragment table for sample 4 : Fak 2hr b 3/12/12**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,136	1,242	0.6	1.1
28S	3,617	4,831	2.0	3.6

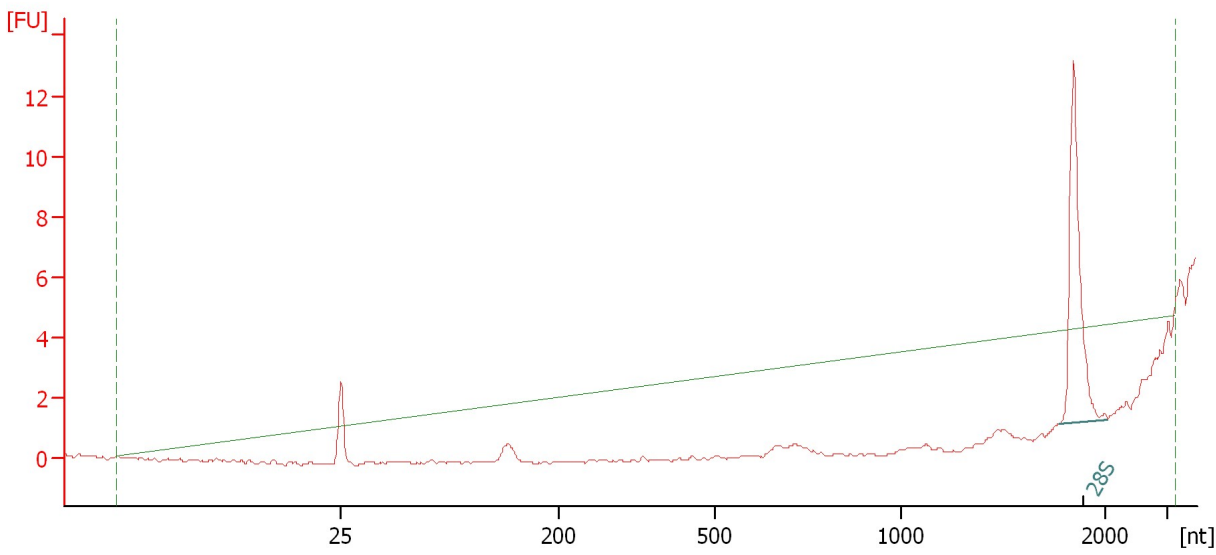


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

**Electropherogram Summary Continued ...**

Fak 1d a 3/13/12



**Overall Results for sample 5 : Fak 1d a 3/13/12**

RNA Area:	4.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 5 : Fak 1d a 3/13/12**

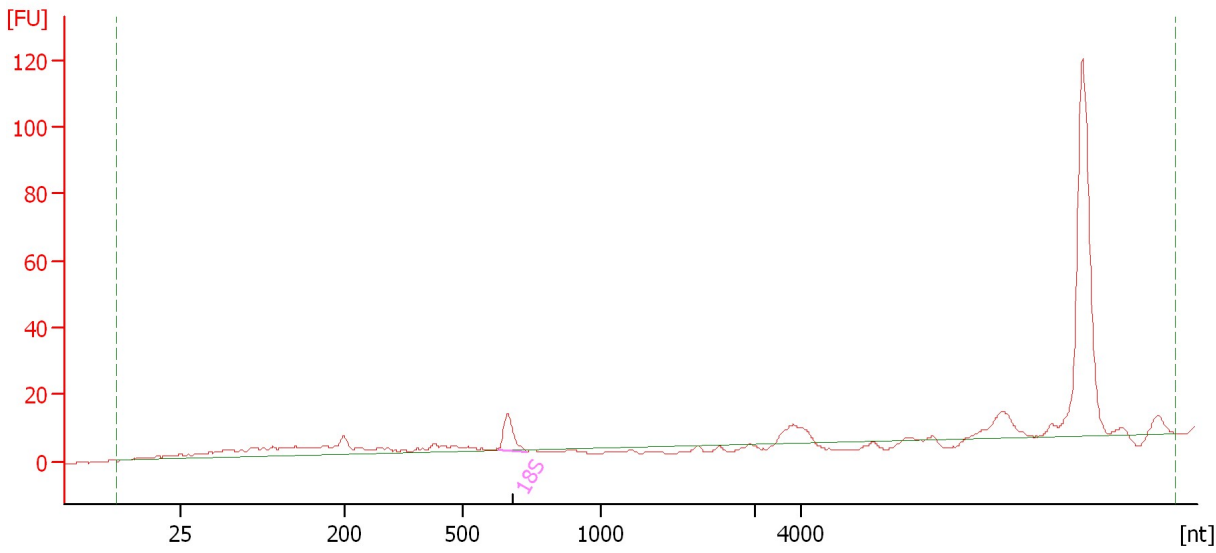
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,775	2,065	9.7	202.8

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
 Modified: 10/7/2013 5:02:35 PM

**Electropherogram Summary Continued ...**

Fak 1d b 3/13/12



**Overall Results for sample 6 : Fak 1d b 3/13/12**

RNA Area:	262.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	300 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 6 : Fak 1d b 3/13/12**

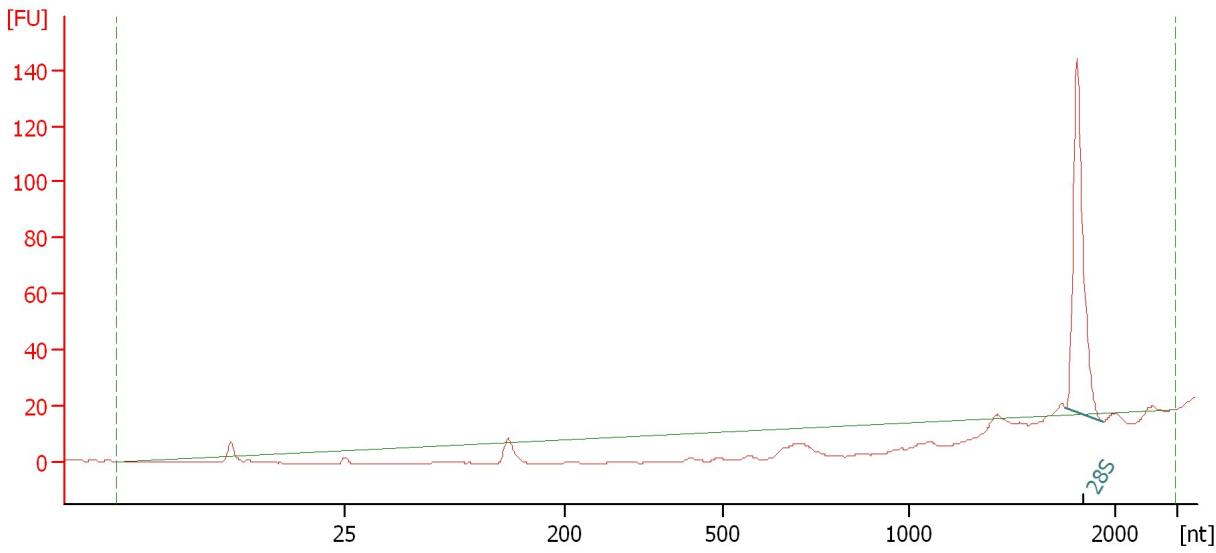
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	632	736	14.9	5.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

**Electropherogram Summary Continued ...**

Fak 1w 3/19/12



**Overall Results for sample 7 : Fak 1w 3/19/12**

RNA Area:	116.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	134 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 7 : Fak 1w 3/19/12**

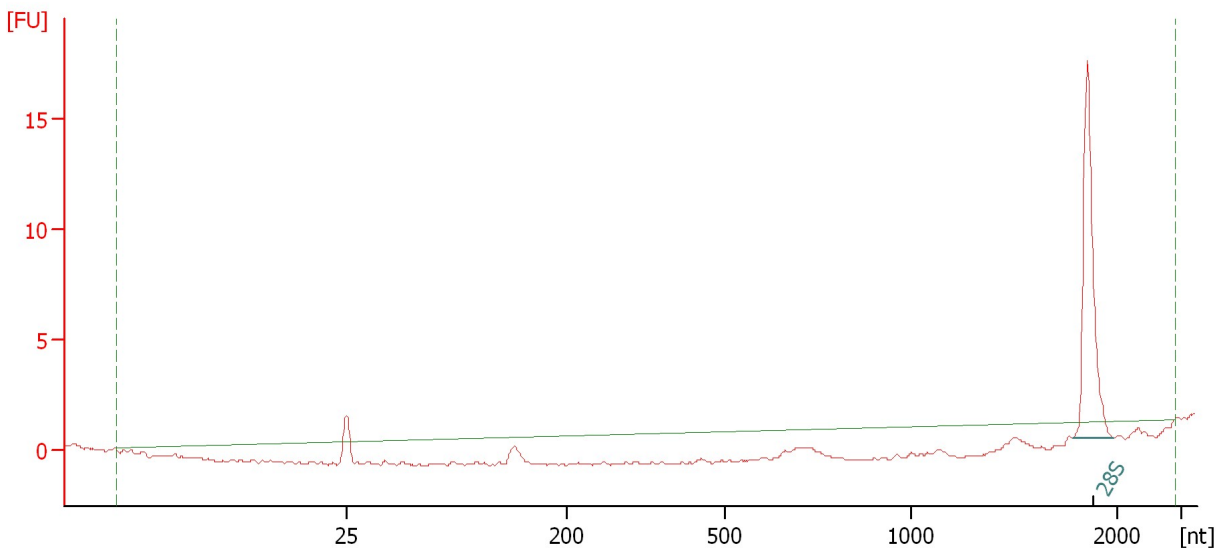
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,763	1,943	104.6	89.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

**Electropherogram Summary Continued ...**

Fak 2wk a 3/27/12



**Overall Results for sample 8 : Fak 2wk a 3/27/12**

RNA Area:	11.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	13 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 8 : Fak 2wk a 3/27/12**

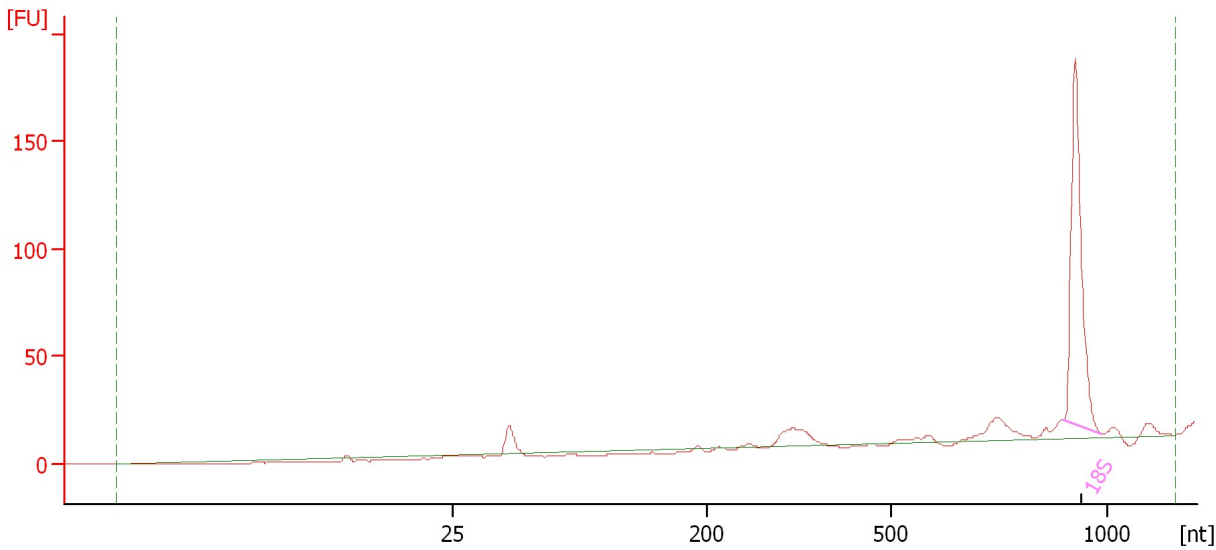
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,783	1,979	13.3	114.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

**Electropherogram Summary Continued ...**

Fak 2wk b 3/27/12



**Overall Results for sample 9 : Fak 2wk b 3/27/12**

RNA Area:	246.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	282 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

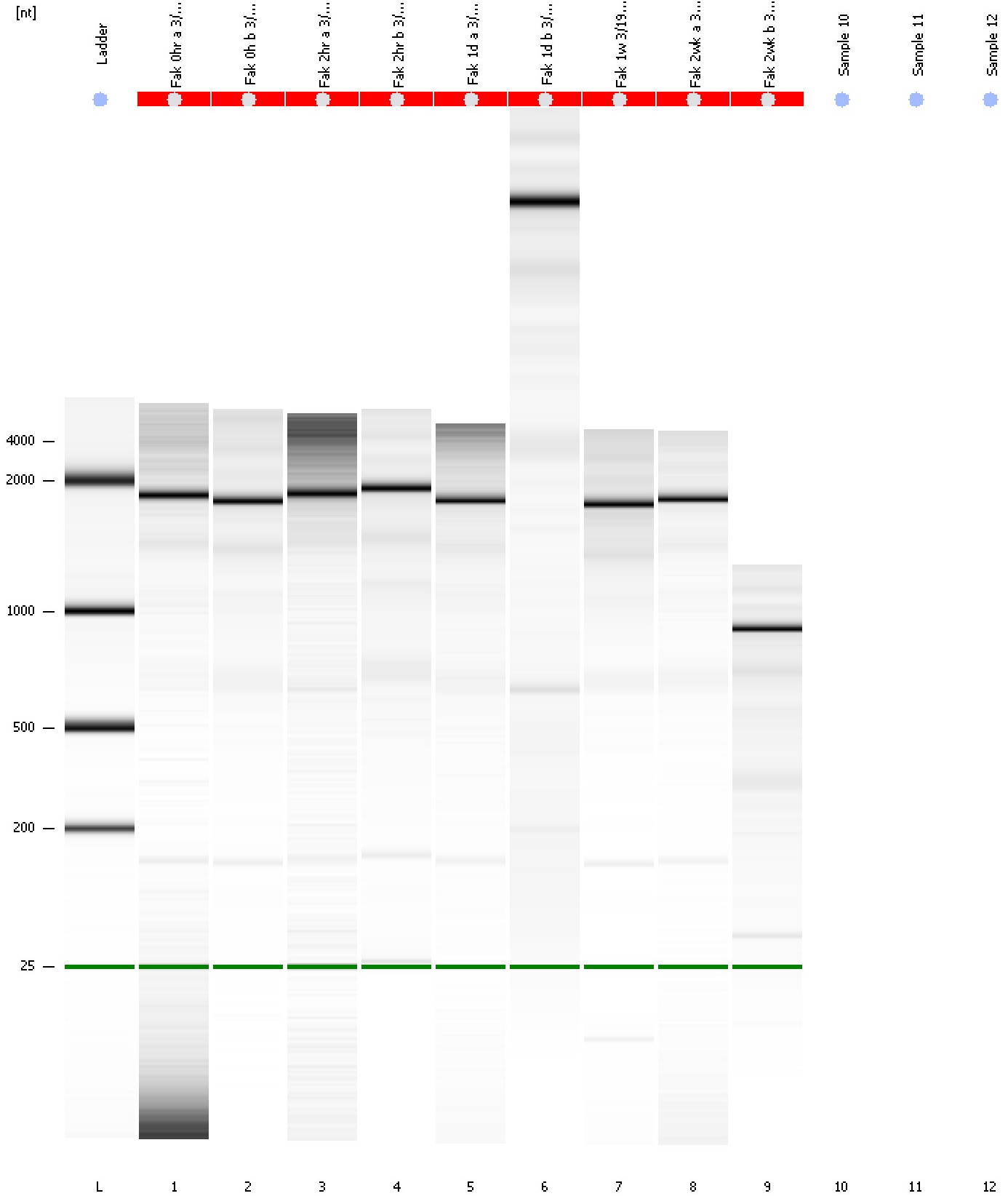
**Fragment table for sample 9 : Fak 2wk b 3/27/12**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	897	983	141.4	57.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-07\2013-10-07\_006.xad

Created: 10/7/2013 4:42:50 PM  
Modified: 10/7/2013 5:02:35 PM

**Invalid Samples**

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.