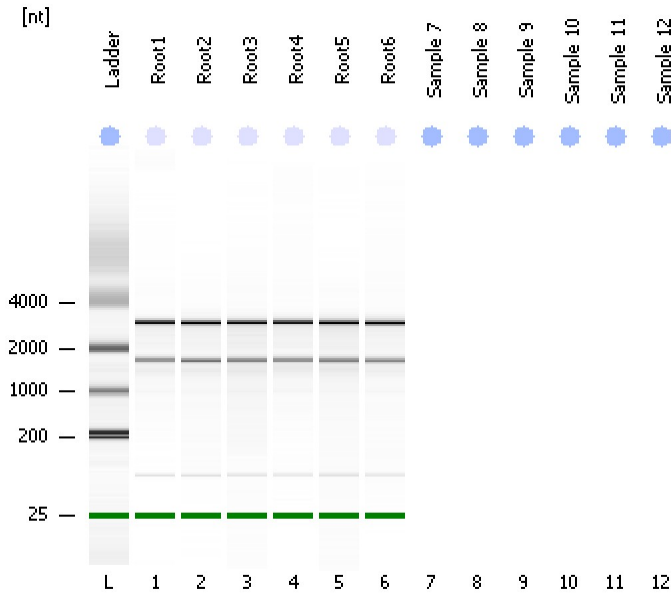


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-21\2017-09-21_001.xad

Created: 9/21/2017 10:28:06 AM
Modified: 9/21/2017 10:43:07 AM

Electrophoresis File Run Summary



Instrument Information:

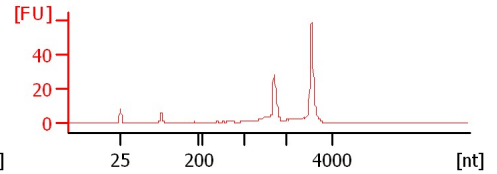
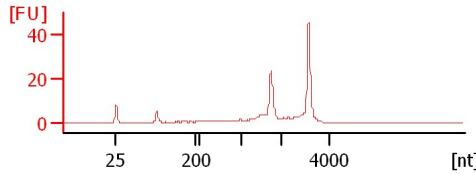
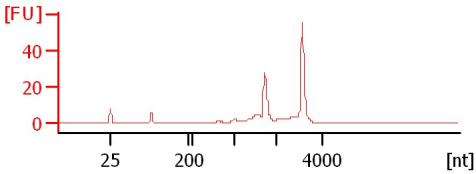
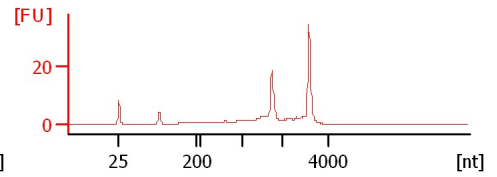
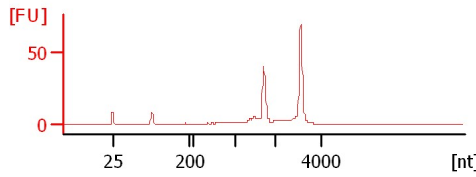
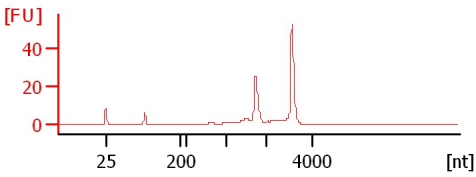
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-21\2017-09-21_001.xad

Created: 9/21/2017 10:28:06 AM
Modified: 9/21/2017 10:43:07 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Root1		✓	RIN: 8.70	
Root2		✓	RIN: 8.40	
Root3		✓	RIN: 8.20	
Root4		✓	RIN: 8.50	
Root5		✓	RIN: 8.50	
Root6		✓	RIN: 8.60	
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

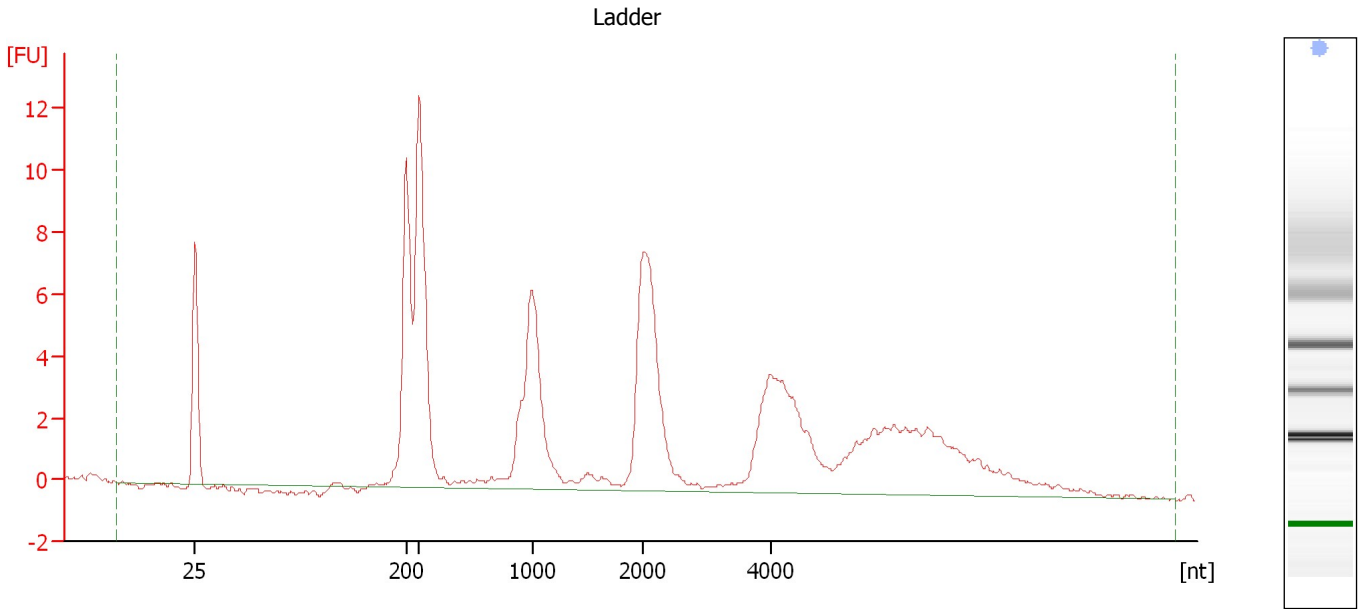
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-21\2017-09-21_001.xad

Created: 9/21/2017 10:28:06 AM
Modified: 9/21/2017 10:43:07 AM

Electropherogram Summary



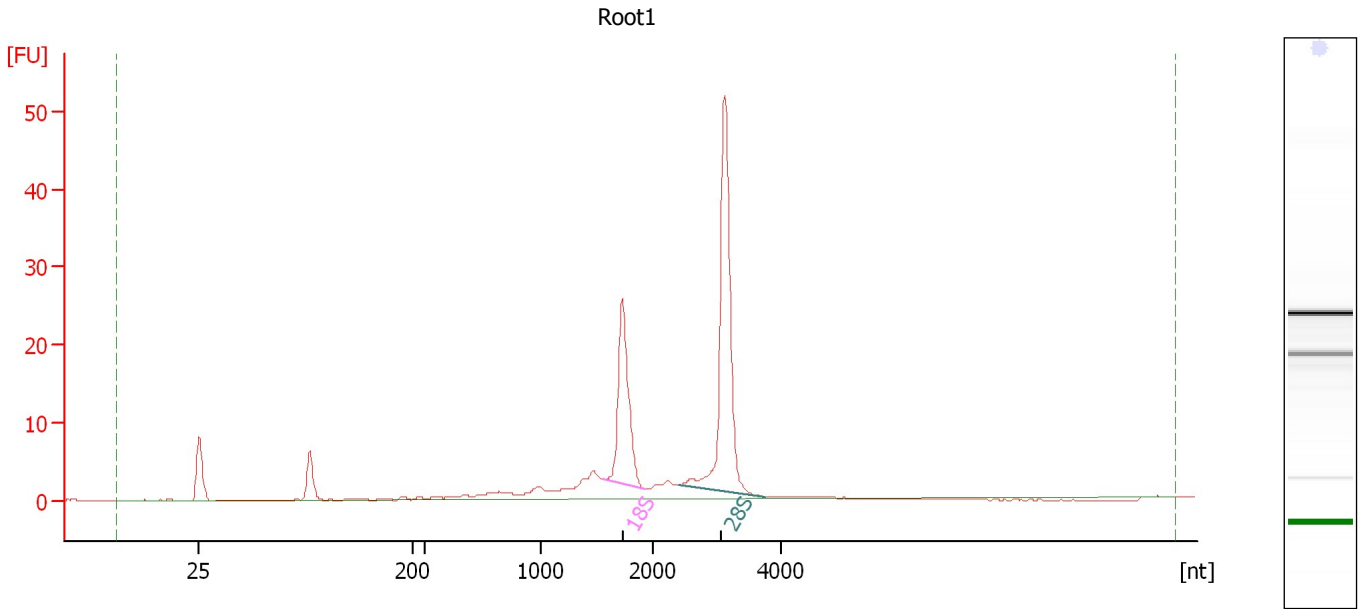
Overall Results for Ladder

RNA Area:	117.6	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\2017-09-21\2017-09-21_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : Root1

RNA Area:	140.9	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	180 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.70

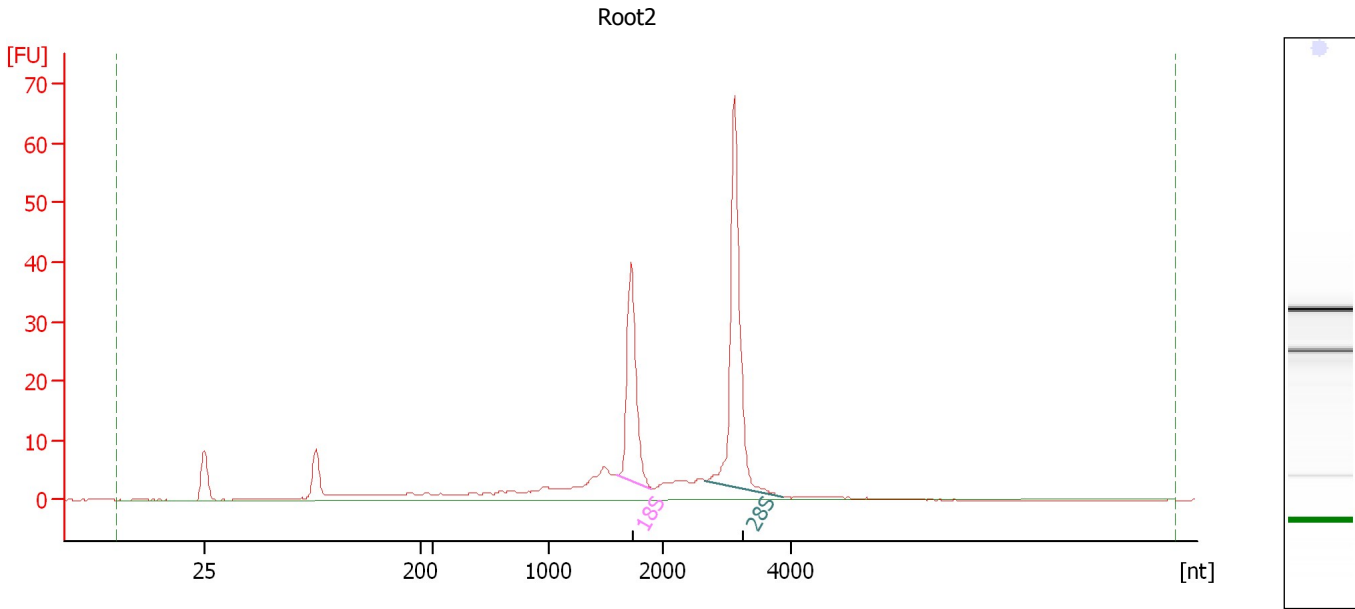
Fragment table for sample 1 : Root1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,565	1,936	30.7	21.8
28S	2,422	3,755	56.6	40.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-21\2017-09-21_001.xad

Created: 9/21/2017 10:28:06 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : Root2

RNA Area:	221.7	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	283 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.40

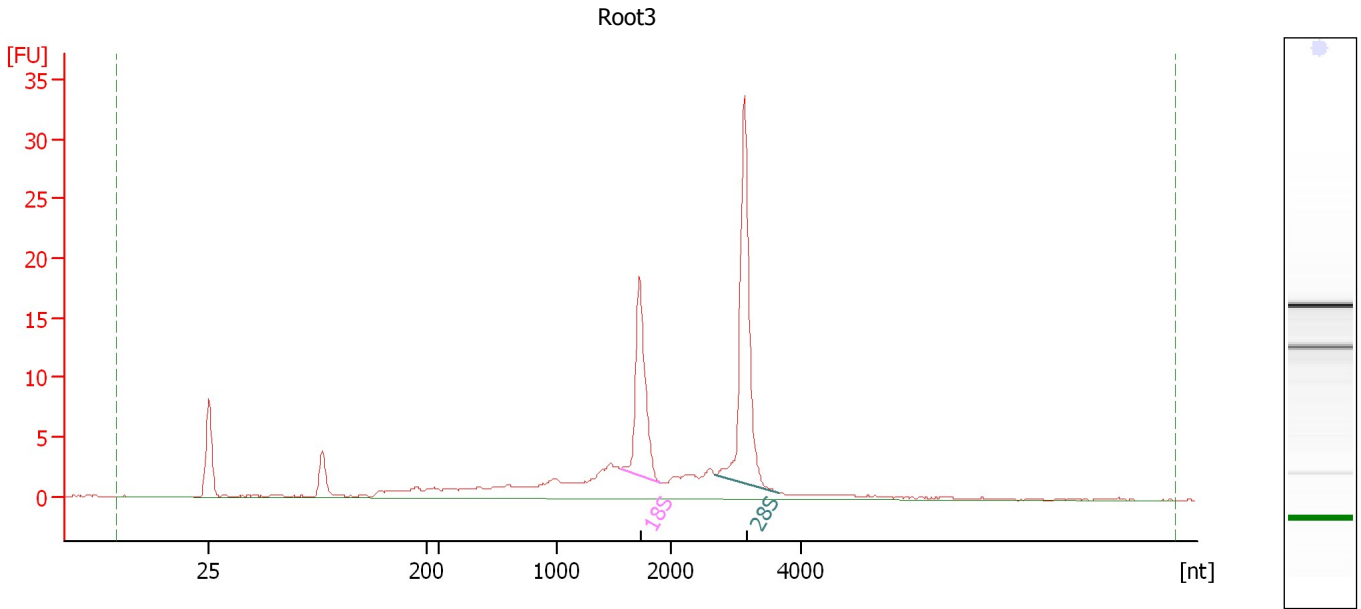
Fragment table for sample 2 : Root2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,602	1,904	39.8	18.0
28S	2,673	3,860	68.9	31.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-21\2017-09-21_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : Root3

RNA Area:	123.5	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	158 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.20

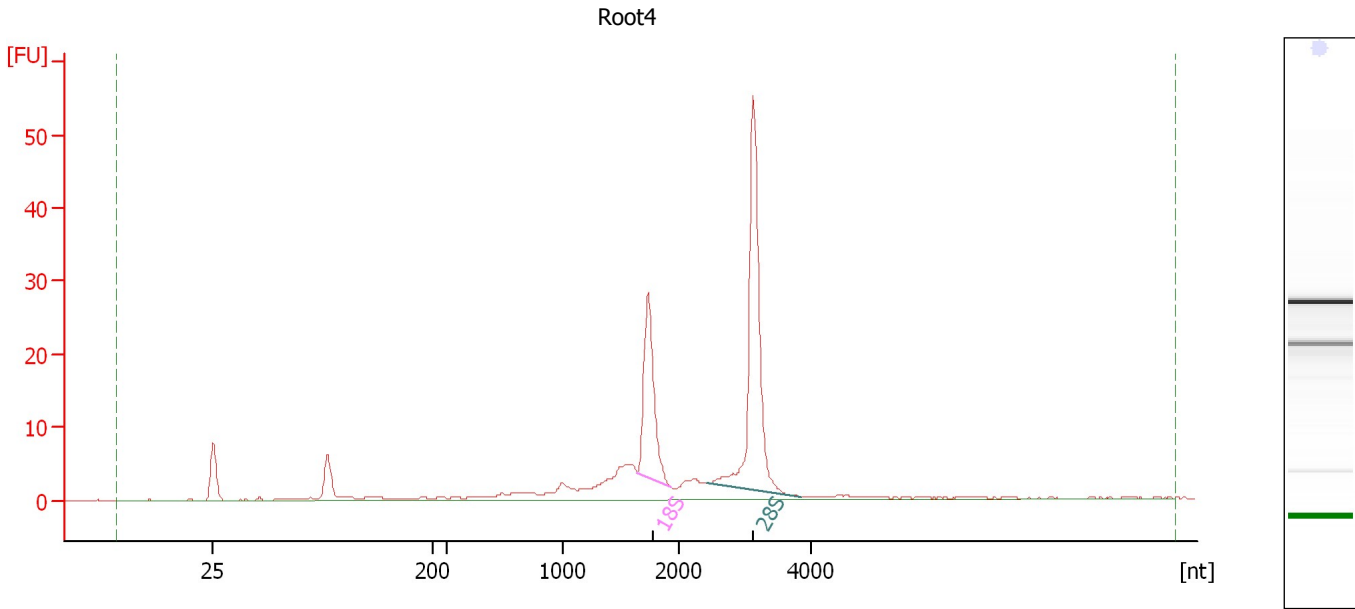
Fragment table for sample 3 : Root3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,562	1,917	19.5	15.8
28S	2,689	3,654	32.3	26.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-21\2017-09-21_001.xad

Created: 9/21/2017 10:28:06 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : Root4

RNA Area:	168.3	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	215 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 8.50

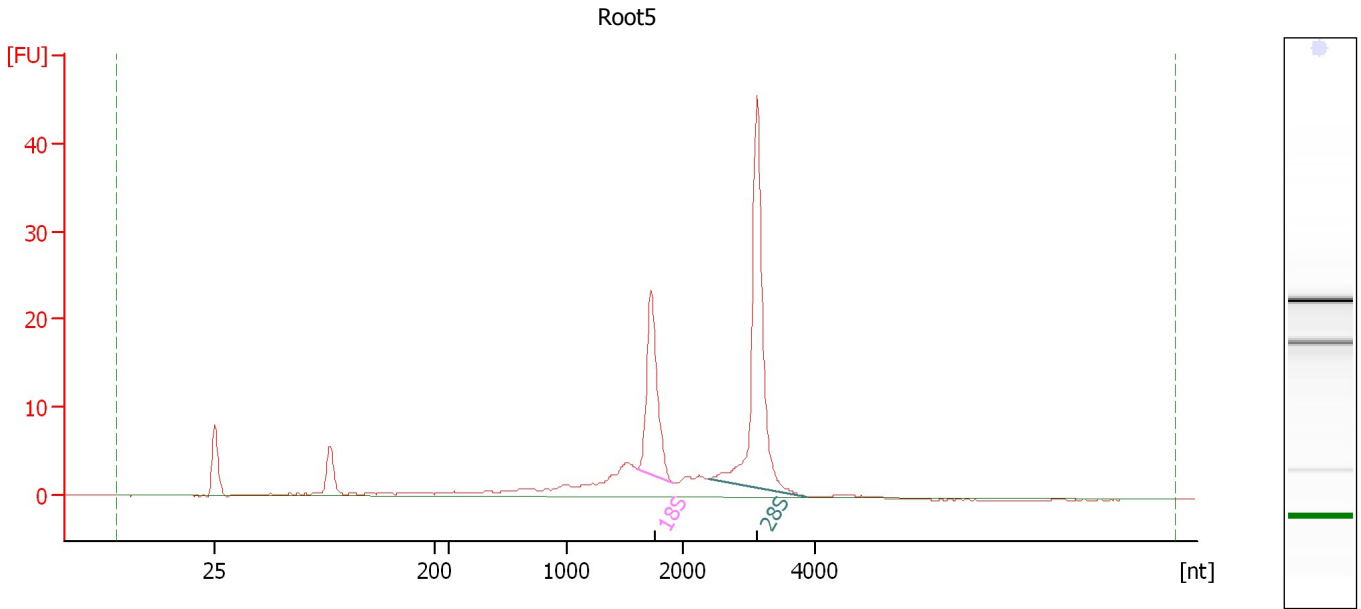
Fragment table for sample 4 : Root4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,643	1,940	30.2	18.0
28S	2,430	3,857	59.3	35.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-21\2017-09-21_001.xad

Created: 9/21/2017 10:28:06 AM
Modified: 9/21/2017 10:43:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Root5

RNA Area:	147.9	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	189 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.50

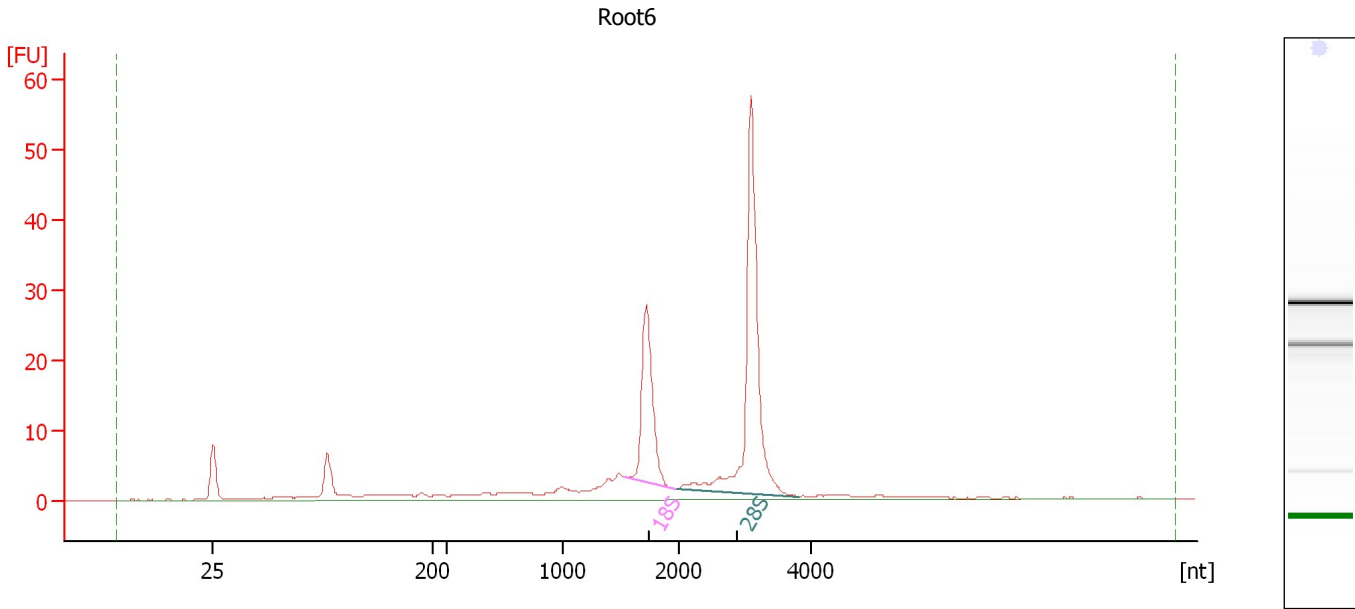
Fragment table for sample 5 : Root5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	1,914	27.0	18.2
28S	2,399	3,868	51.5	34.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-21\2017-09-21_001.xad

Created: 9/21/2017 10:28:06 AM
Modified: 9/21/2017 10:43:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Root6

RNA Area:	184.5	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	235 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 8.60

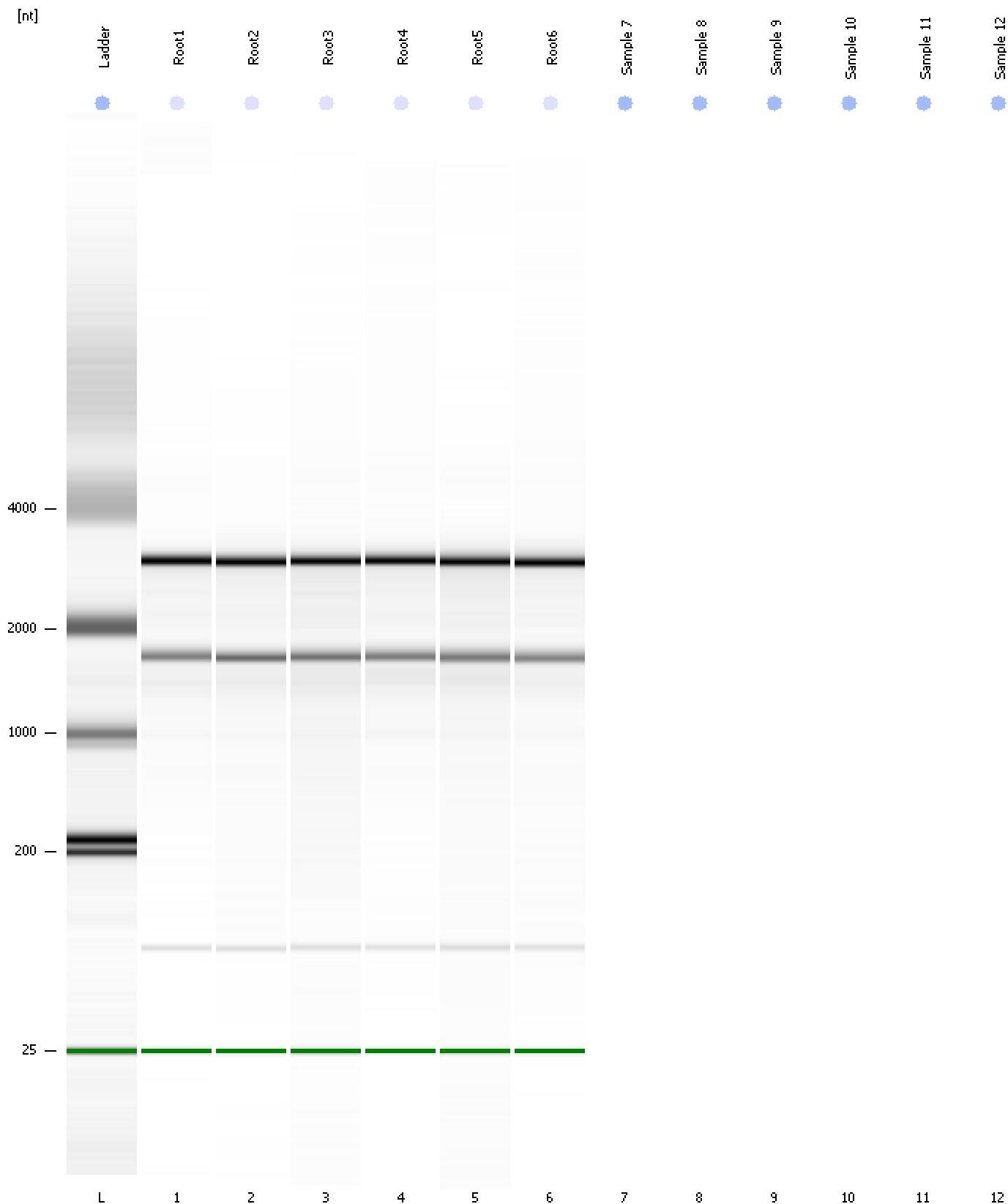
Fragment table for sample 6 : Root6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,532	1,968	32.3	17.5
28S	1,986	3,825	69.6	37.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-21\2017-09-21_001.xad

Created: 9/21/2017 10:28:06 AM
Modified: 9/21/2017 10:43:07 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-21\2017-09-21_001.xad

Created: 9/21/2017 10:28:06 AM
Modified: 9/21/2017 10:43:07 AM

Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

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.