

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

Created: 9/19/2017 10:42:14 AM
 Modified: 9/19/2017 11:05:37 AM

Electrophoresis File Run Summary

Instrument Information:

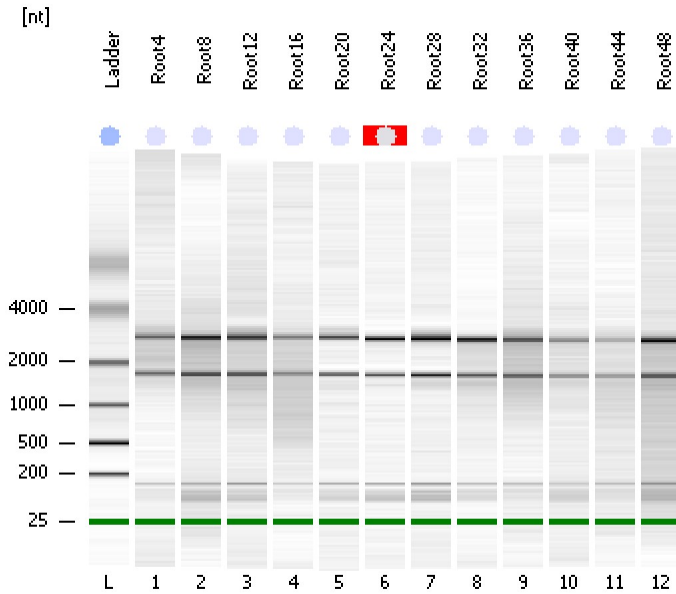
Instrument Name: DE13701086 Firmware: C.01.069
 Serial#: DE13701086 Type: G2938B

Assay Information:

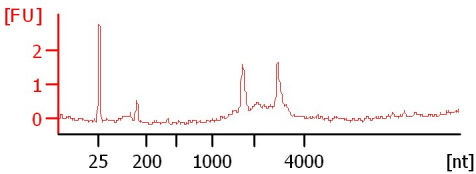
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
 Assay Class: Eukaryote Total RNA Nano
 Version: 2.6
 Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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Chip Information:

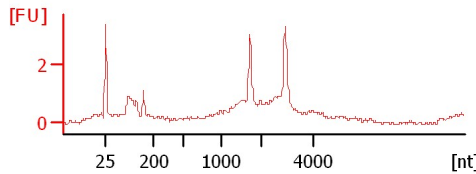
Chip Lot #:
 Reagent Kit Lot #:
 Chip Comments:



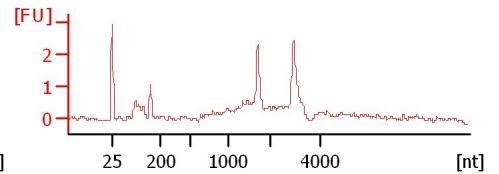
Root4
 RIN: 8.80



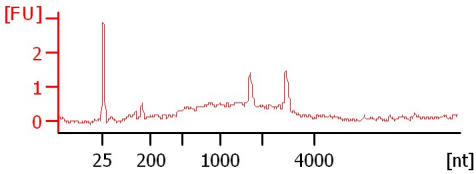
Root8
 RIN: 6.10



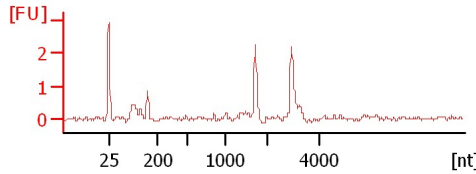
Root12
 RIN: 7.40



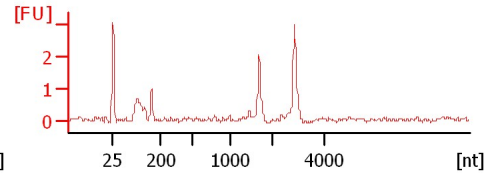
Root16
 RIN: 5.70



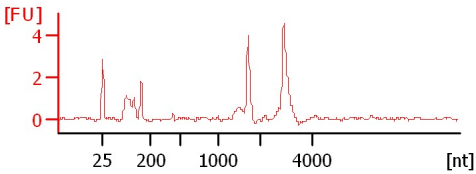
Root20
 RIN: 6.80



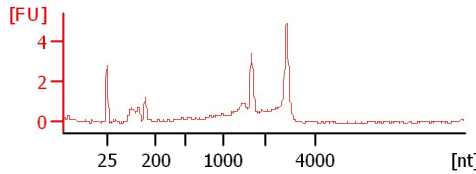
Root24
 RIN N/A



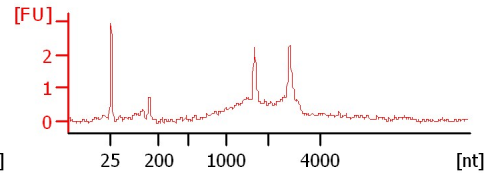
Root28
 RIN: 6.40



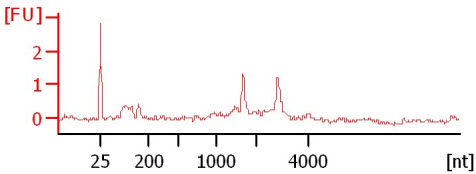
Root32
 RIN: 7.50



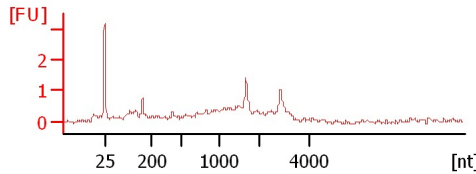
Root36
 RIN: 6.30



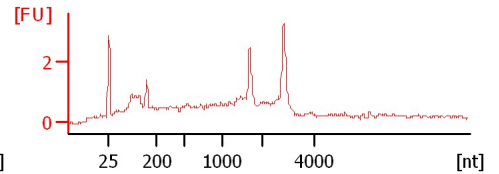
Root40
 RIN: 7.30



Root44
 RIN: 6.10



Root48
 RIN: 5.90



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Root4		✓	RIN: 8.80	
Root8		✓	RIN: 6.10	
Root12		✓	RIN: 7.40	
Root16		✓	RIN: 5.70	
Root20		✓	RIN: 6.80	
Root24		✓	RIN N/A	
Root28		✓	RIN: 6.40	
Root32		✓	RIN: 7.50	
Root36		✓	RIN: 6.30	
Root40		✓	RIN: 7.30	
Root44		✓	RIN: 6.10	
Root48		✓	RIN: 5.90	
Ladder		✓	All Other Samples	

Chip Lot #

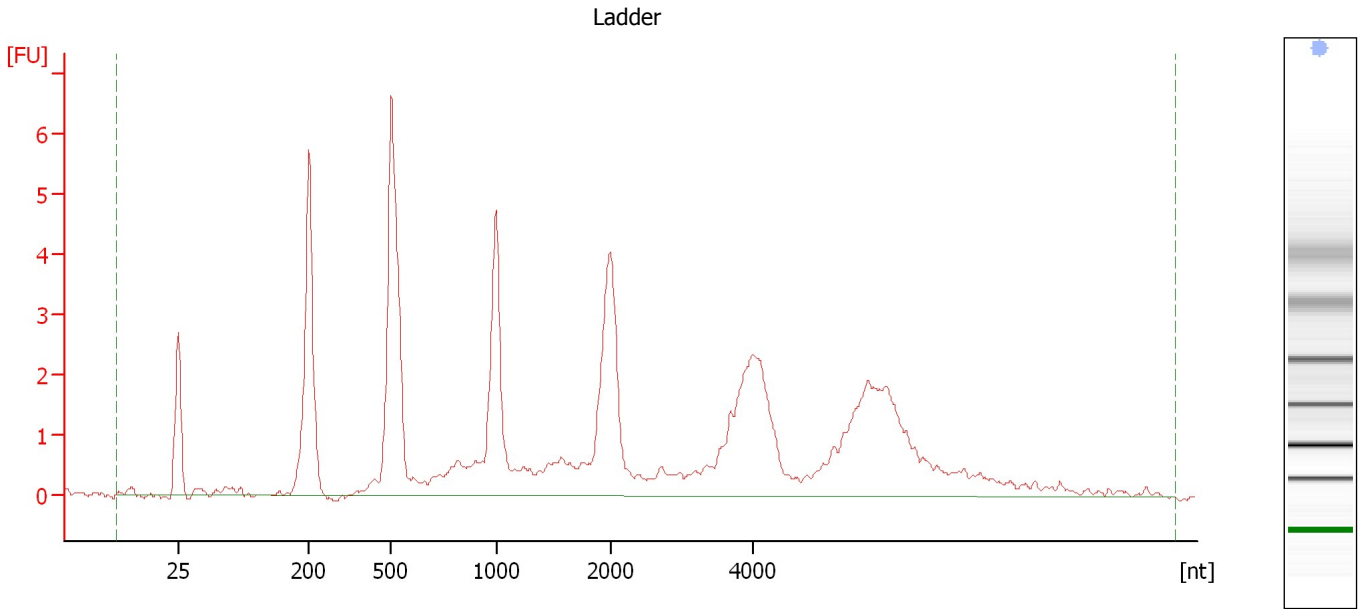
Reagent Kit Lot #

Chip Comments :

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Electropherogram Summary



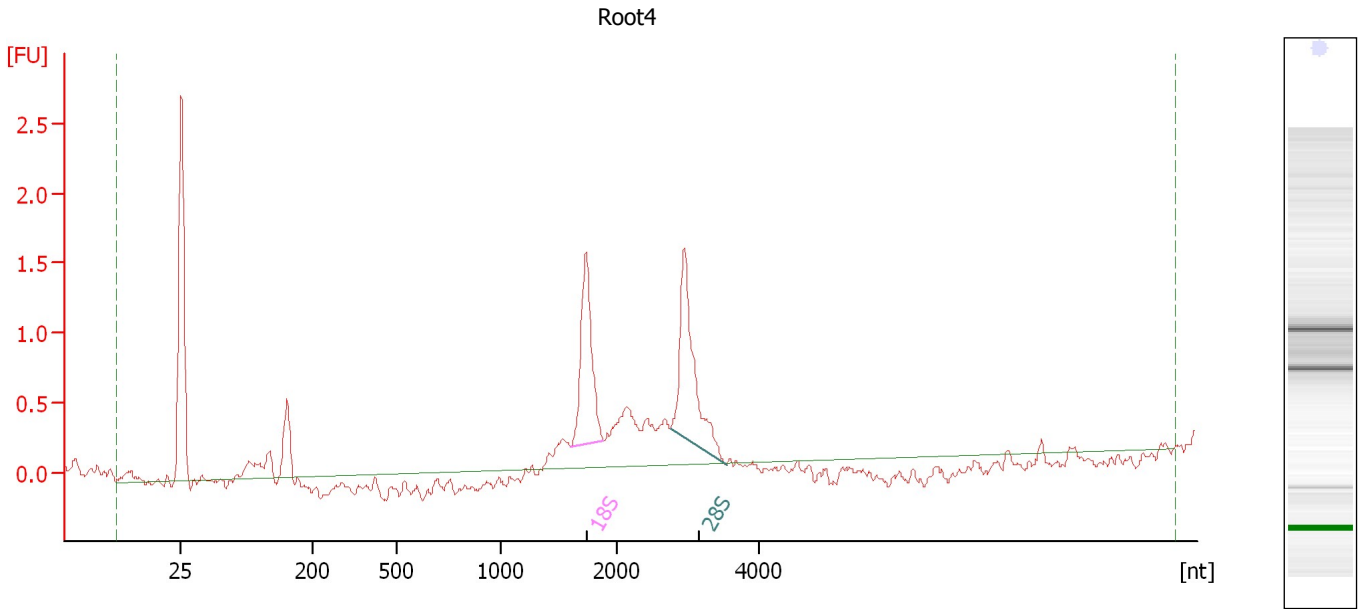
Overall Results for Ladder

RNA Area:	73.4	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



Overall Results for sample 1 : Root4

RNA Area:	9.5	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	19 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.80

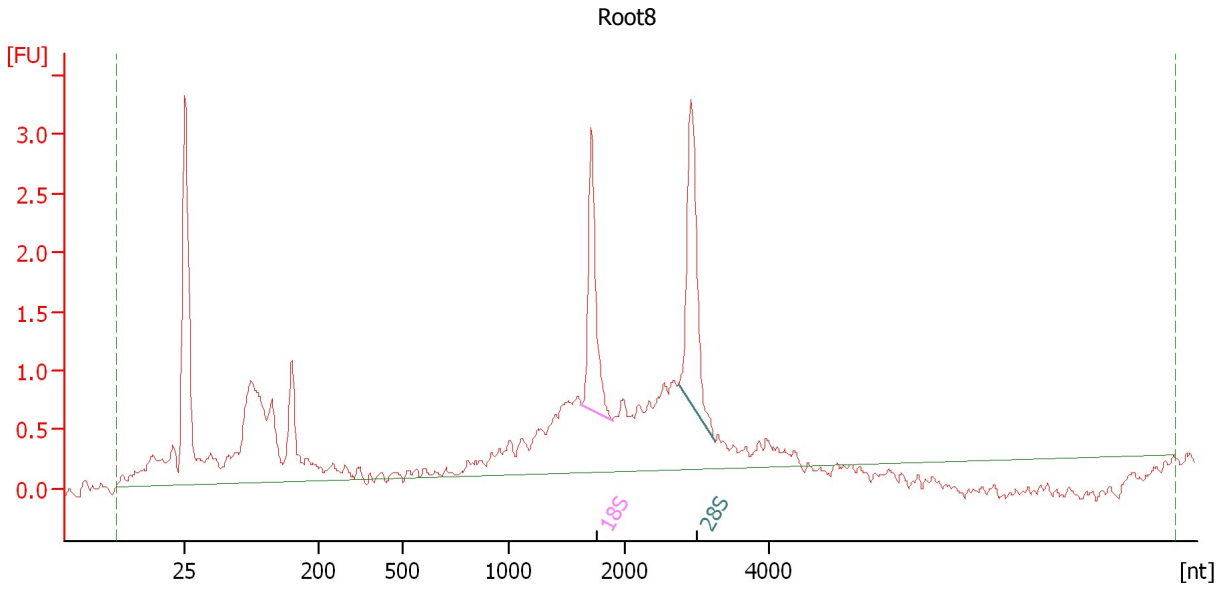
Fragment table for sample 1 : Root4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,603	1,881	1.9	20.1
28S	2,751	3,527	2.3	23.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : Root8

RNA Area:	29.8	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	61 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 6.10

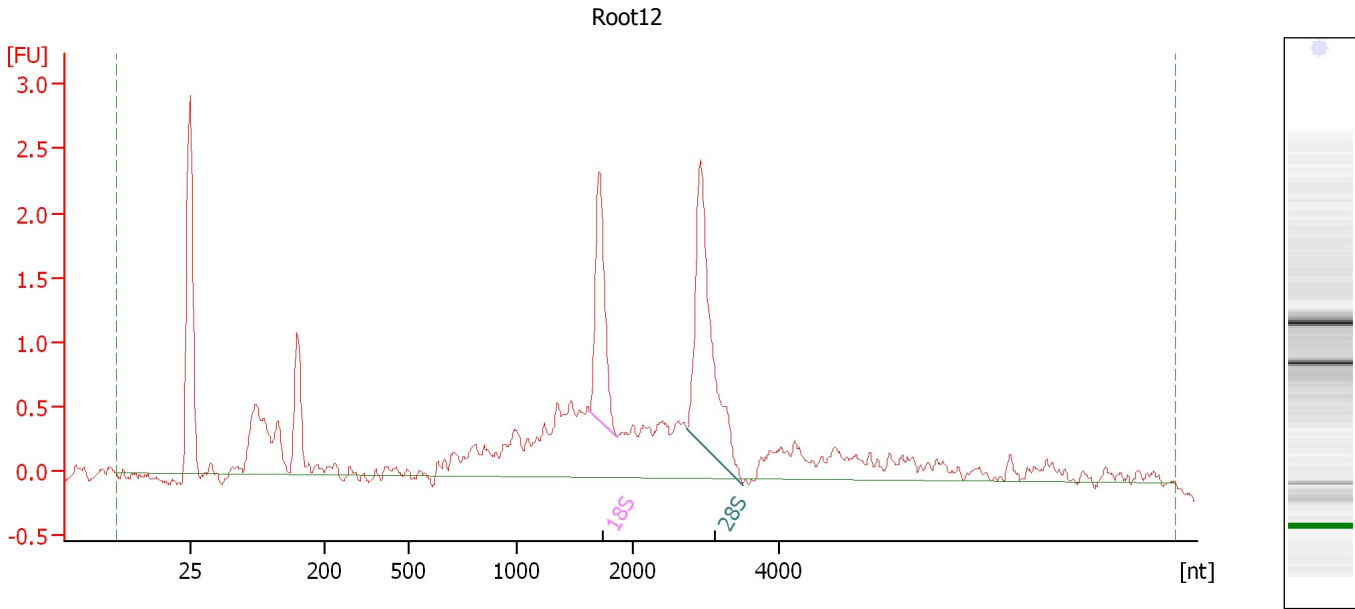
Fragment table for sample 2 : Root8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,628	1,895	2.4	7.9
28S	2,750	3,238	2.9	9.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : Root12

RNA Area:	24.5	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	50 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 7.40

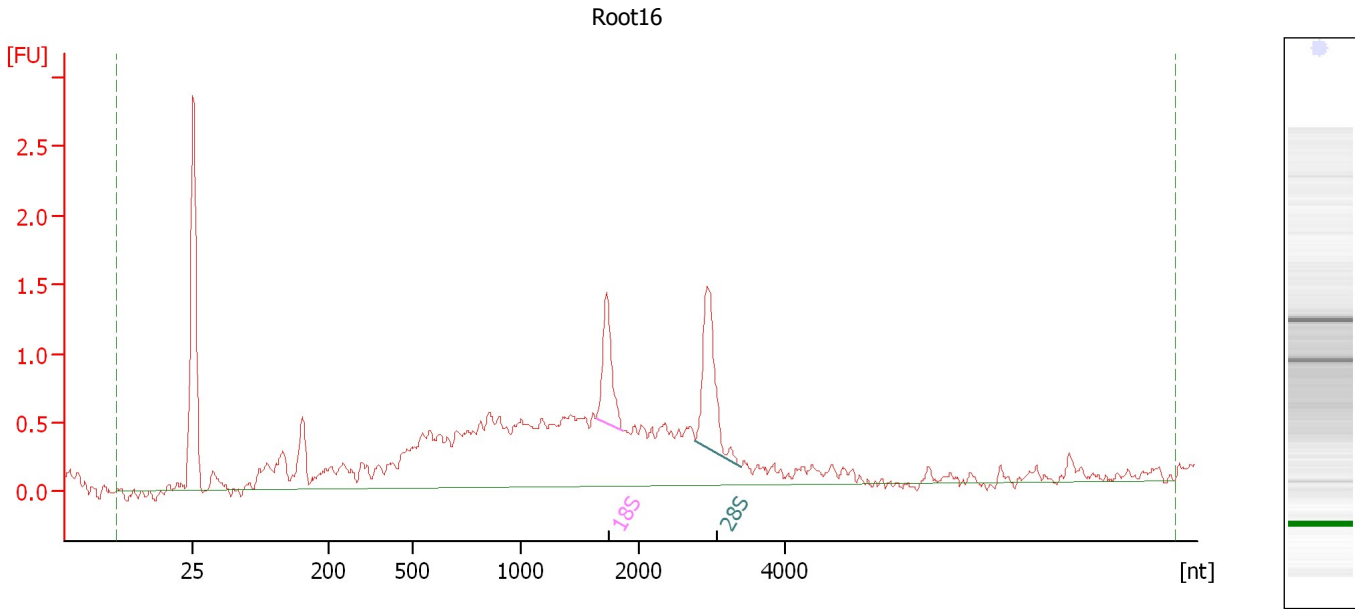
Fragment table for sample 3 : Root12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,626	1,854	2.2	9.1
28S	2,748	3,497	4.1	16.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : Root16

RNA Area:	24.3	RNA Integrity Number (RIN):	5.7 (B.02.08)
RNA Concentration:	50 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 5.70

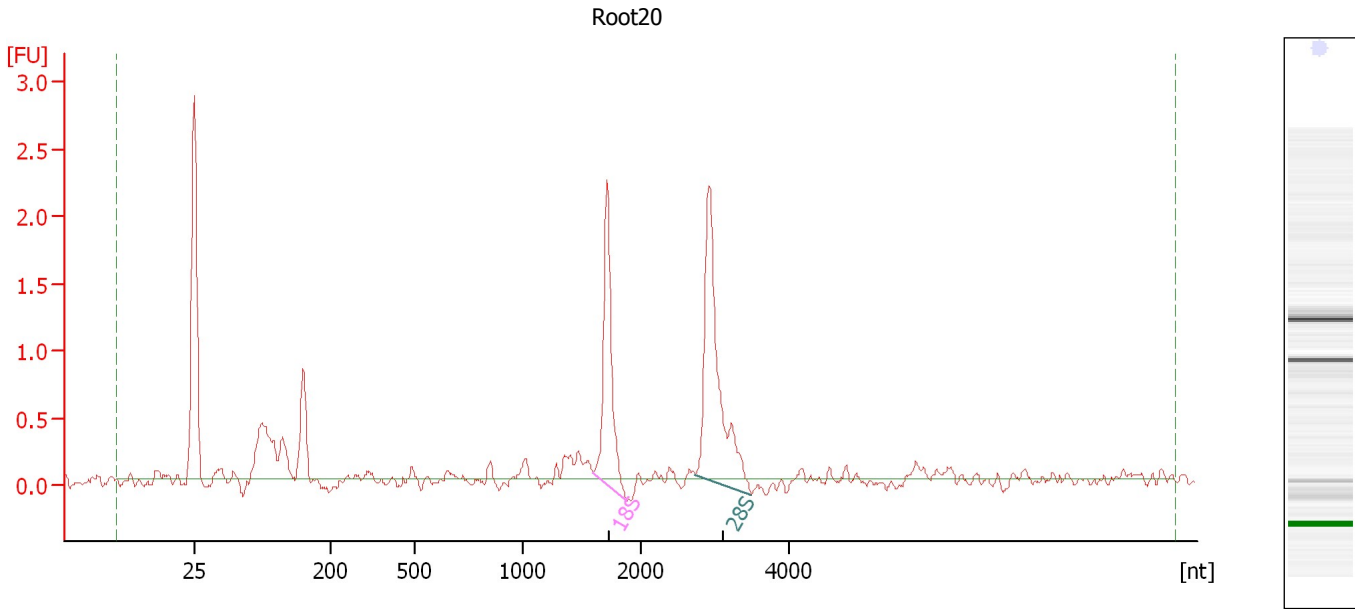
Fragment table for sample 4 : Root16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,640	1,857	1.1	4.6
28S	2,762	3,389	1.6	6.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : Root20

RNA Area:	10.2	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	21 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 6.80

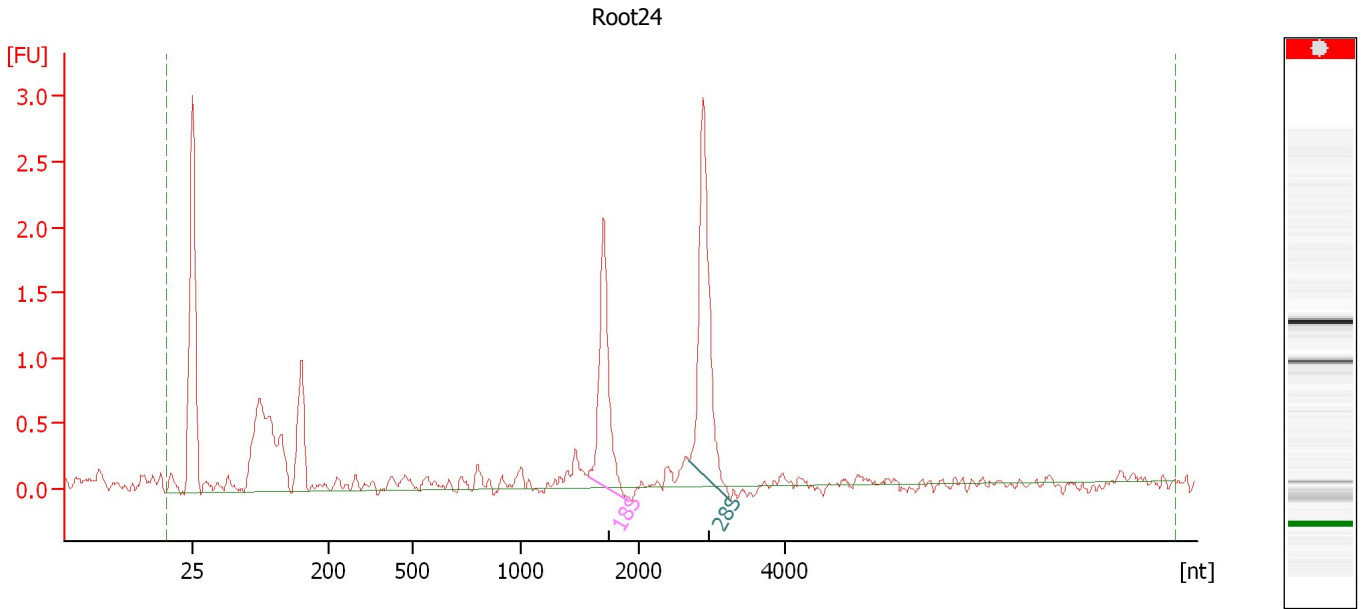
Fragment table for sample 5 : Root20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,596	1,886	2.3	23.0
28S	2,733	3,504	3.4	33.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : Root24

RNA Area:	14.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	29 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN N/A

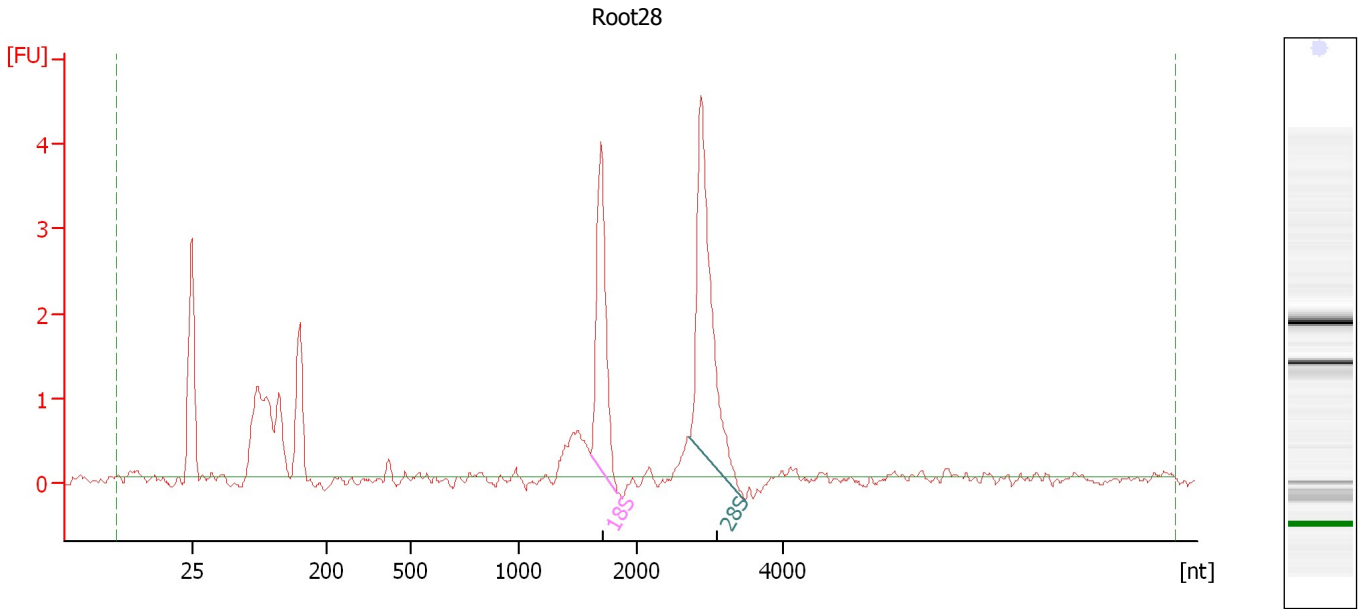
Fragment table for sample 6 : Root24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,567	1,921	2.4	17.1
28S	2,689	3,243	3.4	24.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : Root28

RNA Area:	22.3	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	46 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 6.40

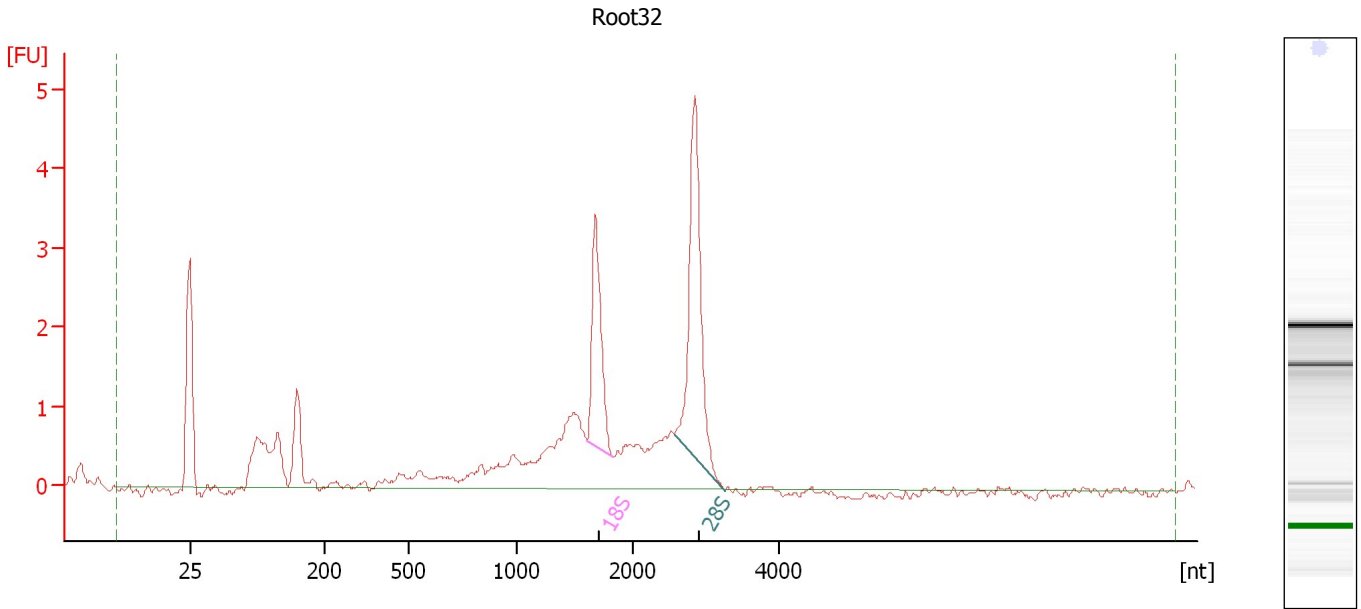
Fragment table for sample 7 : Root28

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,602	1,829	4.4	19.9
28S	2,719	3,479	6.9	30.9

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Electropherogram Summary Continued ...



Overall Results for sample 8 : Root32

RNA Area:	29.7	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	61 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 7.50

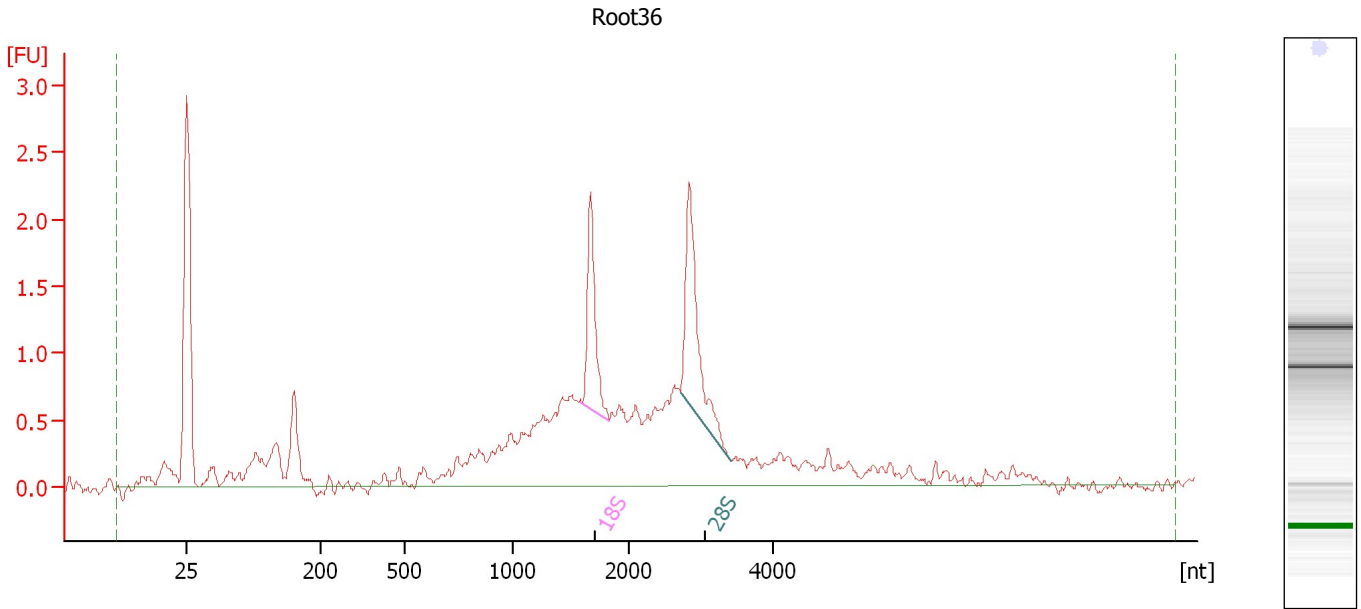
Fragment table for sample 8 : Root32

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,608	1,827	3.3	11.1
28S	2,572	3,262	5.9	19.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : Root36

RNA Area:	25.9	RNA Integrity Number (RIN):	6.3 (B.02.08)
RNA Concentration:	53 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 6.30

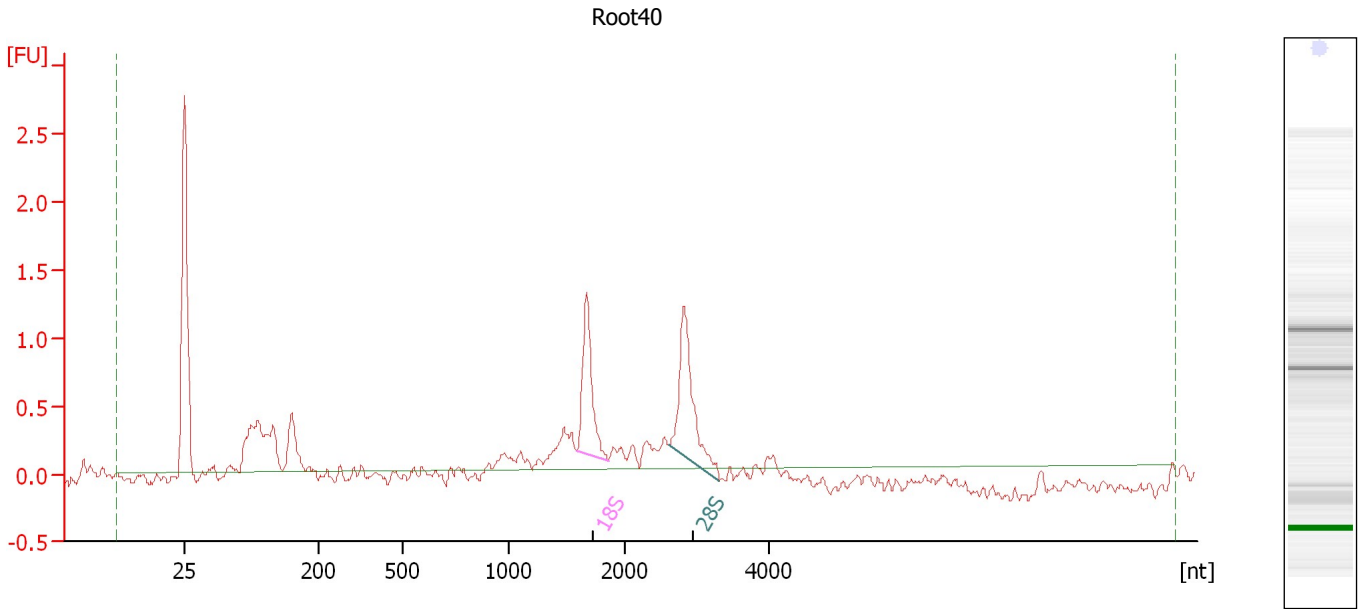
Fragment table for sample 9 : Root36

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,595	1,833	1.7	6.4
28S	2,705	3,398	2.3	8.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

Created: 9/19/2017 10:42:14 AM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : Root40

RNA Area:	8.7	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	18 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.30

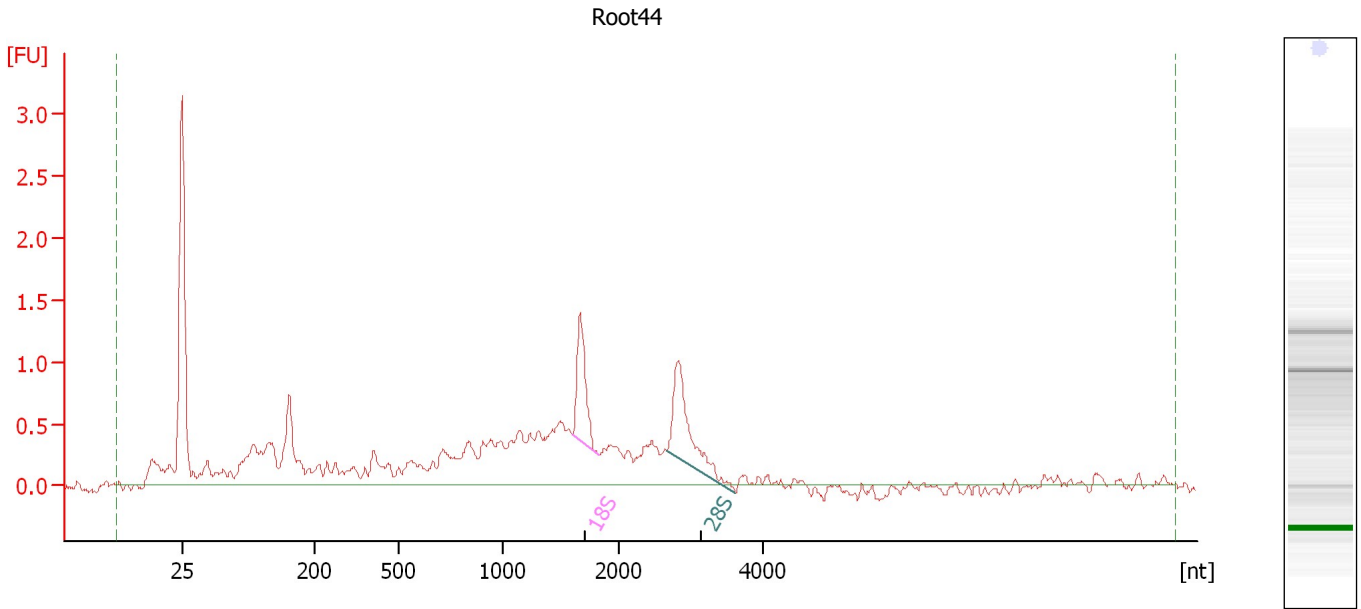
Fragment table for sample 10 : Root40

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,582	1,858	1.4	16.0
28S	2,616	3,312	1.7	20.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : Root44

RNA Area:	20.1	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	41 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 6.10

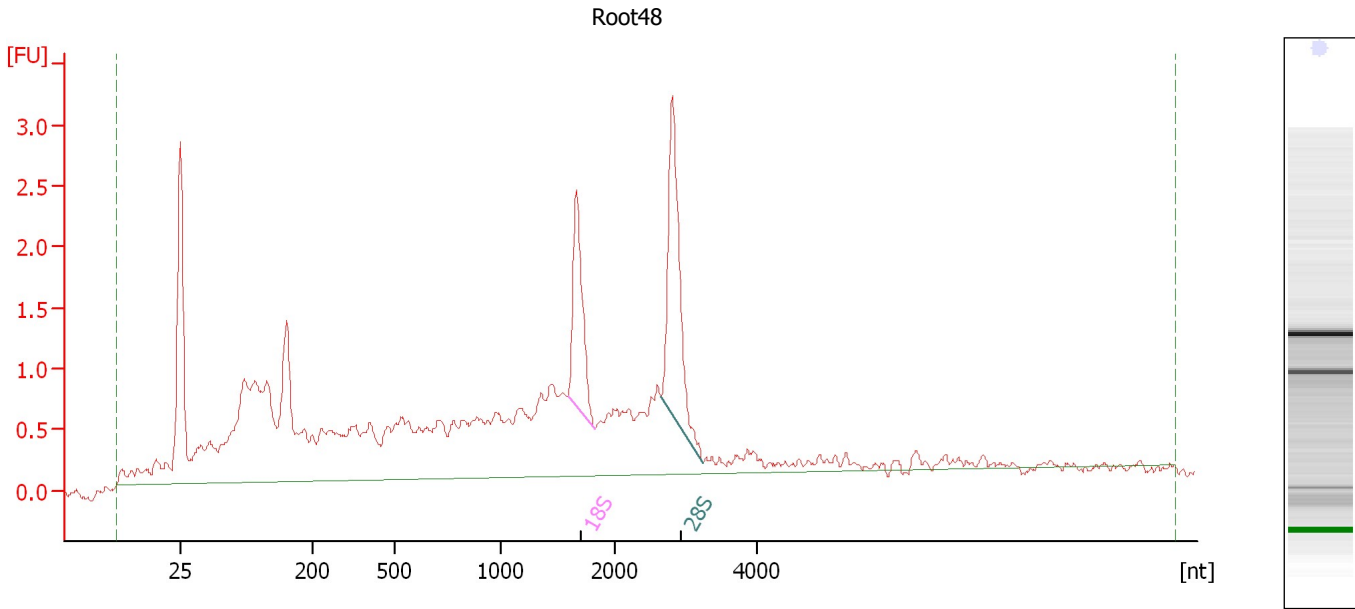
Fragment table for sample 11 : Root44

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,595	1,827	1.1	5.6
28S	2,661	3,630	1.5	7.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 12 : Root48

RNA Area: 43.9 RNA Integrity Number (RIN): 5.9 (B.02.08)
RNA Concentration: 90 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 5.90

Fragment table for sample 12 : Root48

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	1,824	2.2	5.1
28S	2,646	3,230	3.5	8.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-19\2017-09-19_001.xad

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Gel Image

