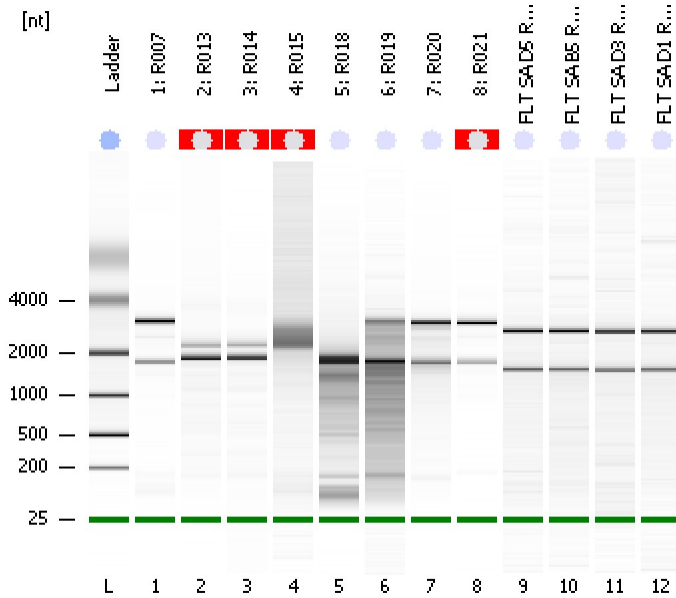


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
Modified: 6/27/2017 10:26:44 AM

Electrophoresis File Run Summary



Instrument Information:

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

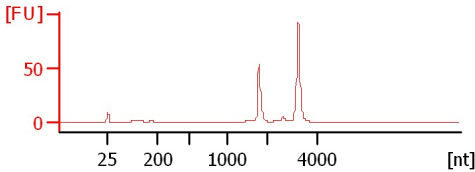
Assay Information:

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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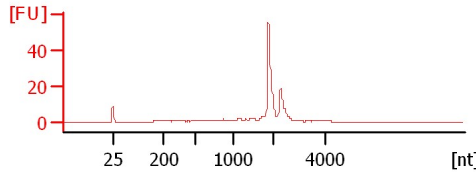
Chip Information:

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

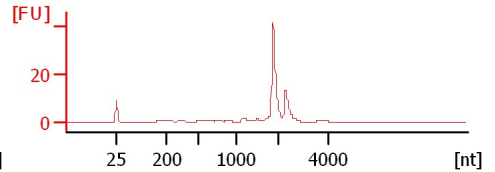
1: R007
HiSeq1015 Tot RNA QC
RIN: 9.70



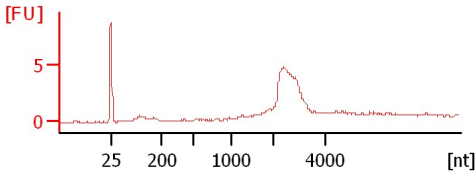
2: R013
HiSeq1015 Tot RNA QC
RIN N/A



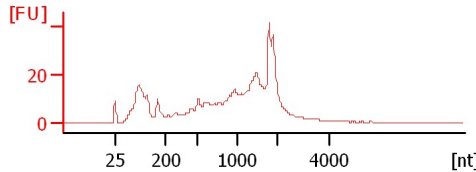
3: R014
HiSeq1015 Tot RNA QC
RIN N/A



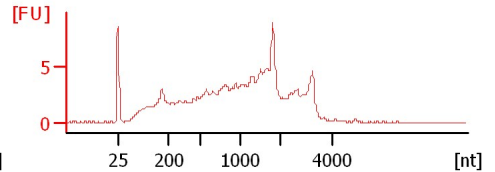
4: R015
HiSeq1015 Tot RNA QC
RIN N/A



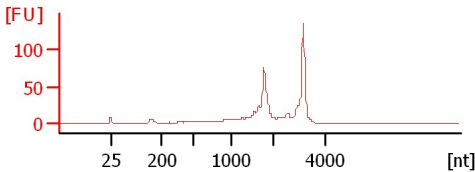
5: R018
HiSeq1015 Tot RNA QC
RIN: 5



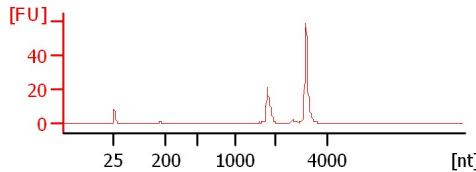
6: R019
HiSeq1015 Tot RNA QC
RIN: 4.90



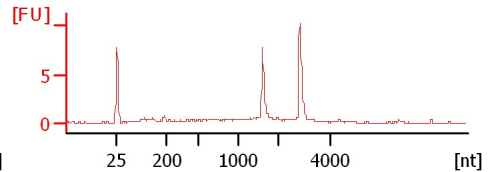
7: R020
HiSeq1015 Tot RNA QC
RIN: 8.50



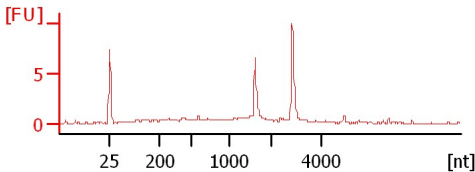
8: R021
HiSeq1015 Tot RNA QC
RIN N/A



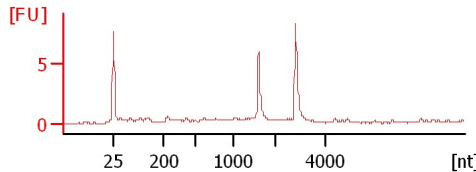
FLT SA D5 RNA
HiSeq1027 RNA QC
RIN: 8



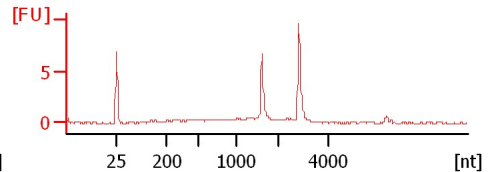
FLT SA B5 RNA
HiSeq1027 RNA QC
RIN: 7.90



FLT SA D3 RNA
HiSeq1027 RNA QC
RIN: 8



FLT SA D1 RNA
HiSeq1027 RNA QC
RIN: 8



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1: R007	HiSeq1015 Tot RNA QC	✓	RIN: 9.70	
2: R013	HiSeq1015 Tot RNA QC	✓	RIN N/A	
3: R014	HiSeq1015 Tot RNA QC	✓	RIN N/A	
4: R015	HiSeq1015 Tot RNA QC	✓	RIN N/A	
5: R018	HiSeq1015 Tot RNA QC	✓	RIN:5	
6: R019	HiSeq1015 Tot RNA QC	✓	RIN: 4.90	
7: R020	HiSeq1015 Tot RNA QC	✓	RIN: 8.50	
8: R021	HiSeq1015 Tot RNA QC	✓	RIN N/A	
FLT SA D5 RNA	HiSeq1027 RNA QC	✓	RIN:8	
FLT SA B5 RNA	HiSeq1027 RNA QC	✓	RIN: 7.90	
FLT SA D3 RNA	HiSeq1027 RNA QC	✓	RIN:8	
FLT SA D1 RNA	HiSeq1027 RNA QC	✓	RIN:8	
Ladder		✓	All Other Samples	

Chip Lot #

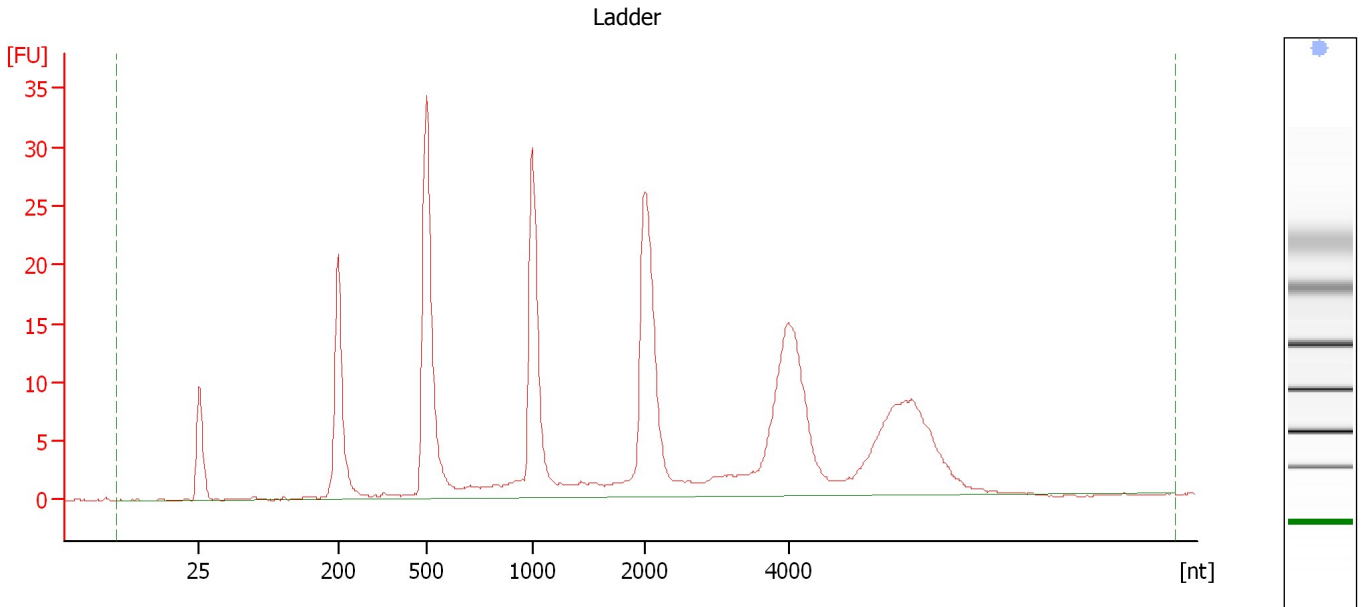
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary



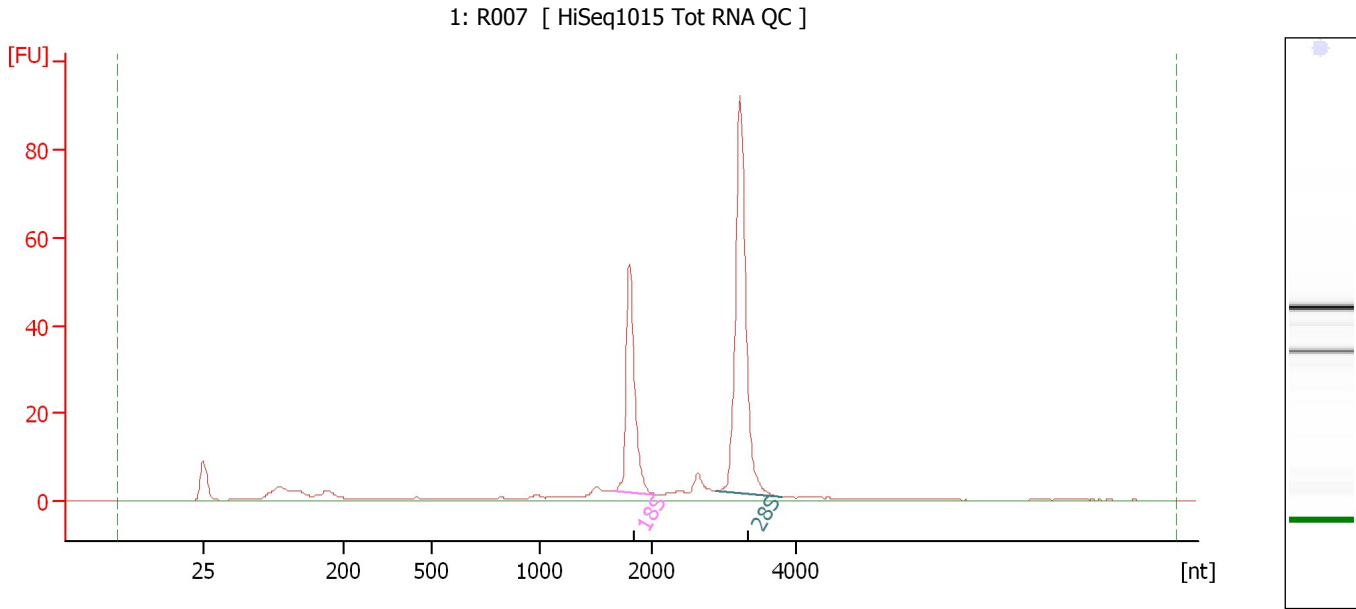
Overall Results for Ladder

RNA Area:	295.2	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\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
 Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1: R007

RNA Area:	250.3	RNA Integrity Number (RIN):	9.7 (B.02.08)
RNA Concentration:	127 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.70

Fragment table for sample 1 : 1: R007

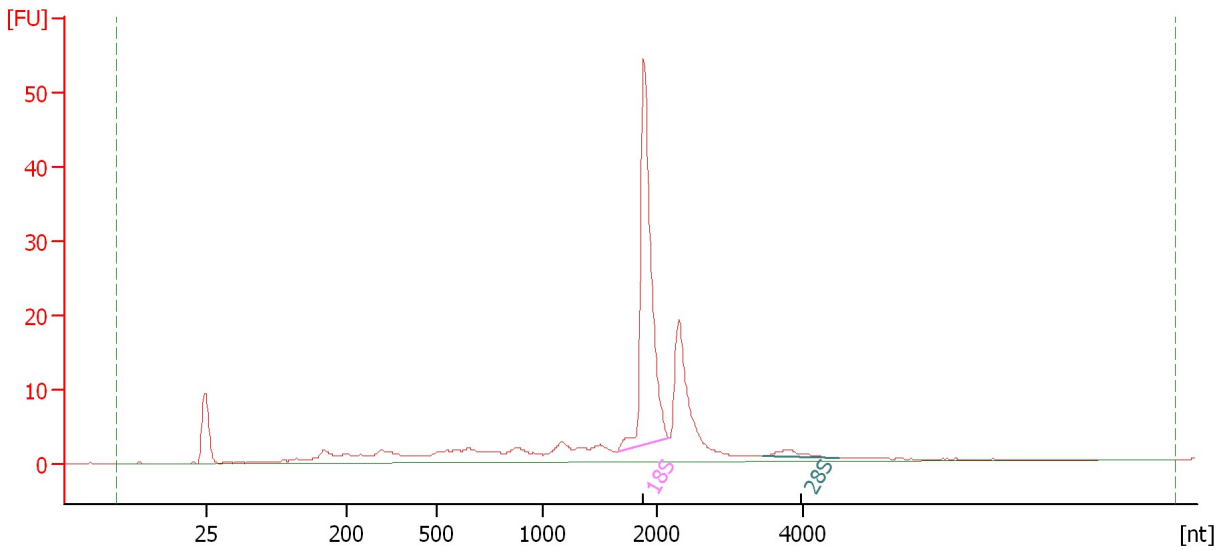
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,662	2,064	53.0	21.2
28S	2,894	3,814	102.7	41.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...

2: R013 [HiSeq1015 Tot RNA QC]



Overall Results for sample 2 : 2: R013

RNA Area:	192.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	98 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 2 : 2: R013

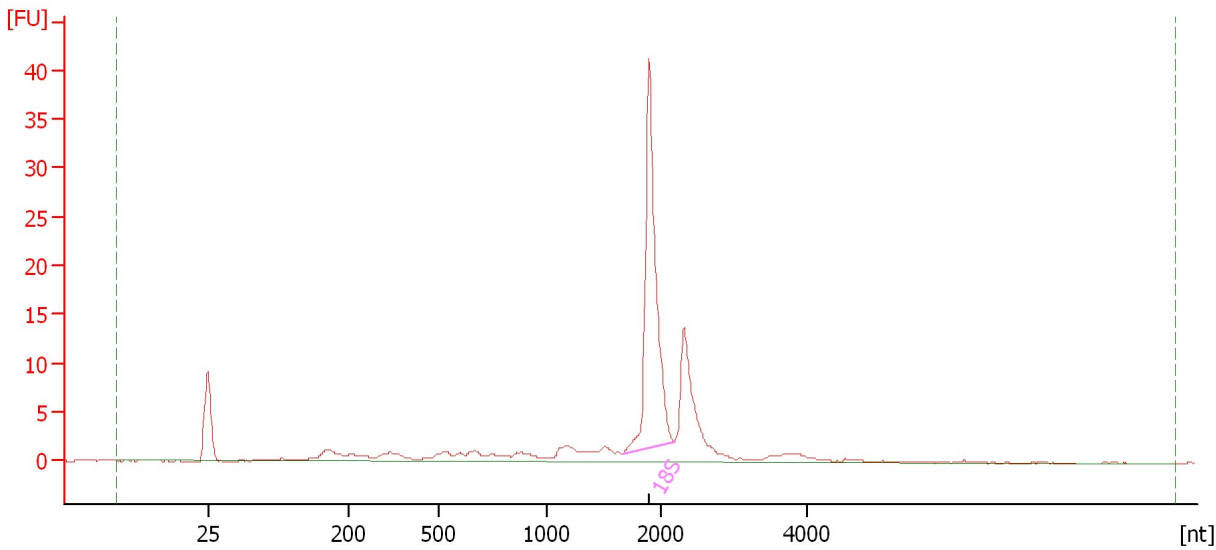
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,639	2,171	64.3	33.5
28S	3,468	4,499	2.8	1.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...

3: R014 [HiSeq1015 Tot RNA QC]



Overall Results for sample 3 : 3: R014

RNA Area:	123.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	63 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : 3: R014

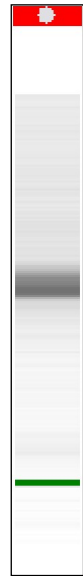
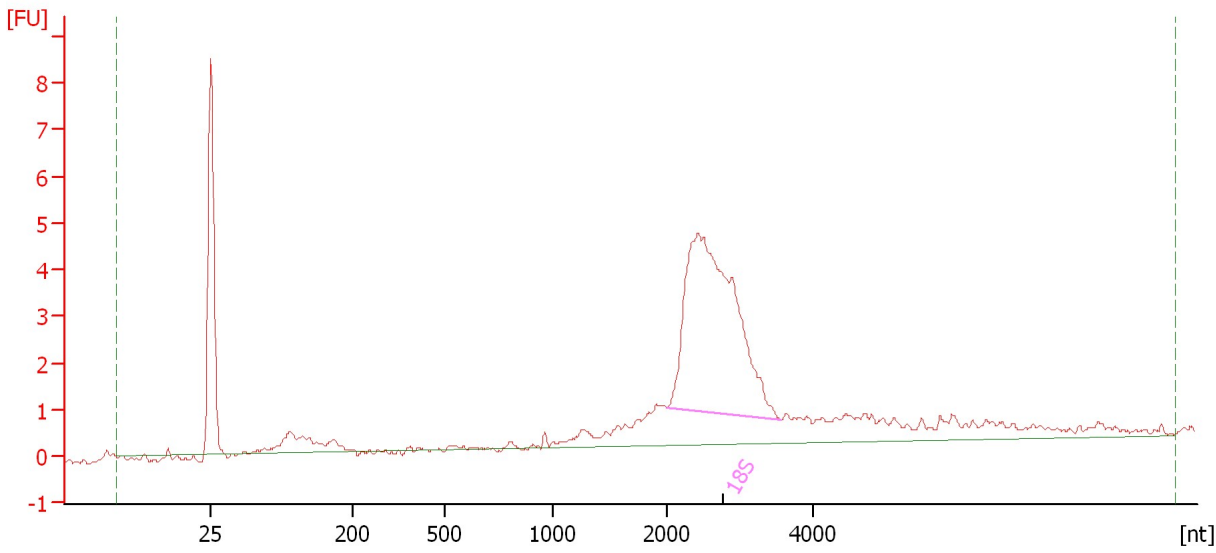
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,661	2,188	49.7	40.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...

4: R015 [HiSeq1015 Tot RNA QC]



Overall Results for sample 4 : 4: R015

RNA Area:	47.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	24 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 4 : 4: R015

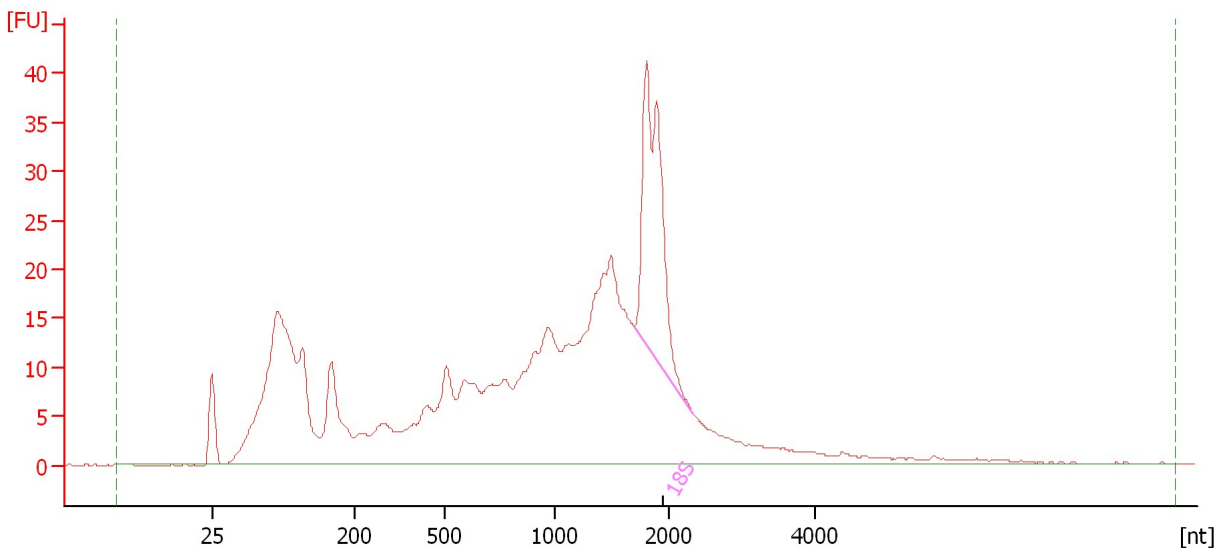
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,992	3,562	22.4	47.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...

5: R018 [HiSeq1015 Tot RNA QC]



Overall Results for sample 5 : 5: R018

RNA Area:	618.9	RNA Integrity Number (RIN):	5 (B.02.08)
RNA Concentration:	314 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:5

Fragment table for sample 5 : 5: R018

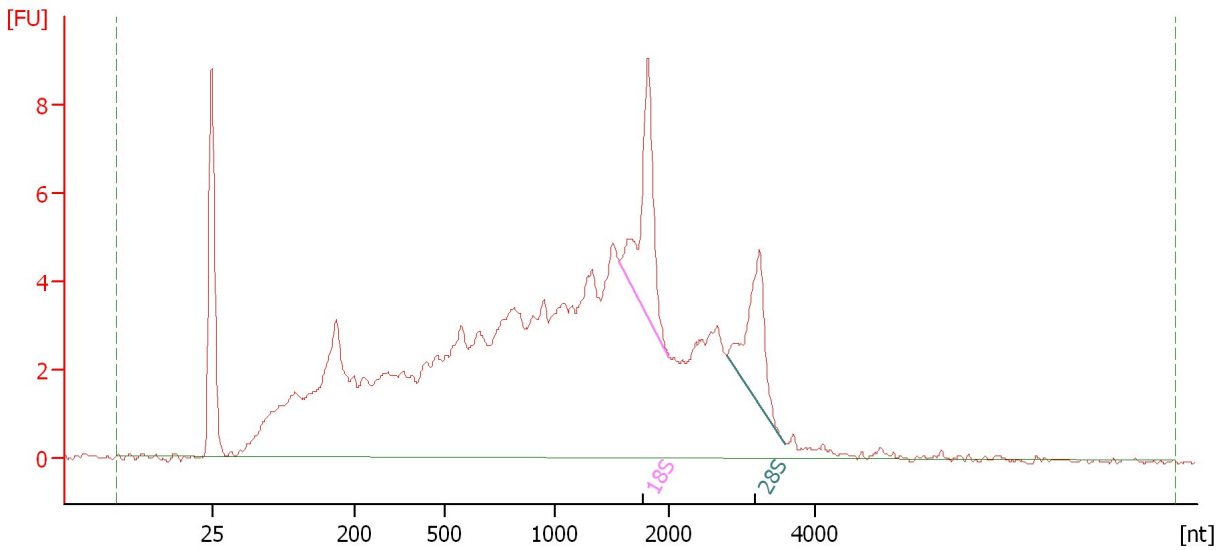
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	2,324	64.7	10.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...

6: R019 [HiSeq1015 Tot RNA QC]



Overall Results for sample 6 : 6: R019

RNA Area:	172.5	RNA Integrity Number (RIN):	4.9 (B.02.08)
RNA Concentration:	88 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 4.90

Fragment table for sample 6 : 6: R019

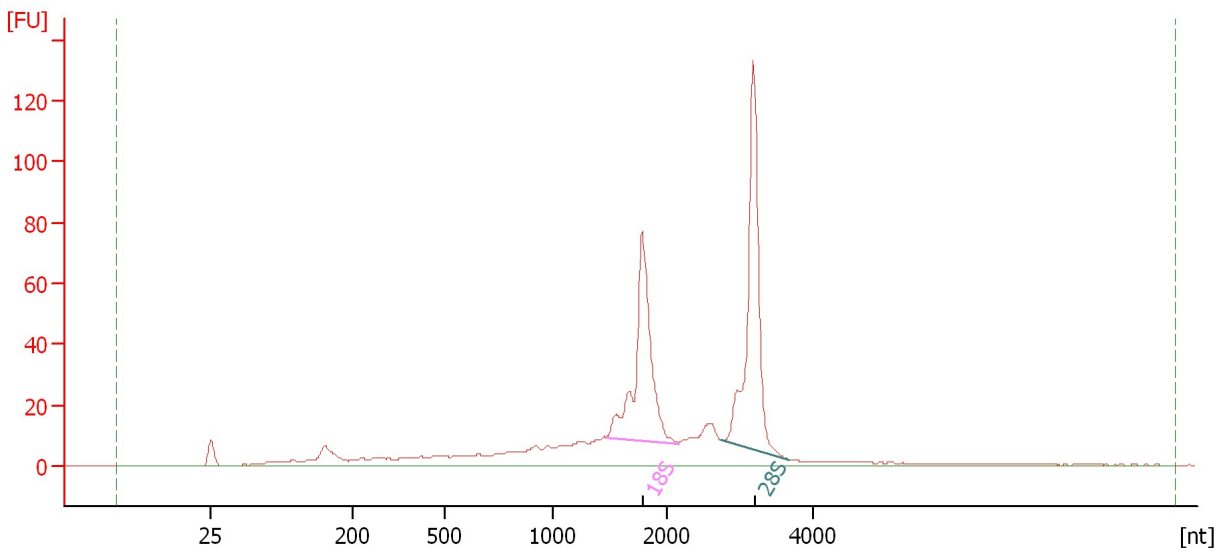
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,566	2,004	8.6	5.0
28S	2,789	3,590	6.1	3.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...

7: R020 [HiSeq1015 Tot RNA QC]



Overall Results for sample 7 : 7: R020

RNA Area:	603.7	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	307 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.50

Fragment table for sample 7 : 7: R020

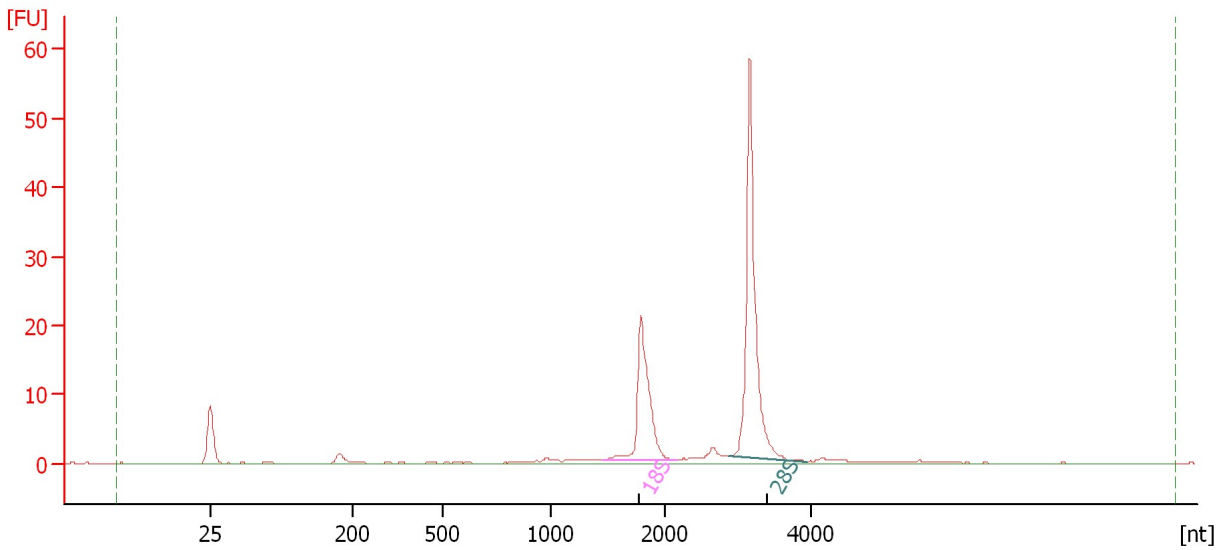
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,471	2,148	124.0	20.5
28S	2,746	3,664	149.0	24.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
 Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...

8: R021 [HiSeq1015 Tot RNA QC]



Overall Results for sample 8 : 8: R021

RNA Area:	120.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	61 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN N/A

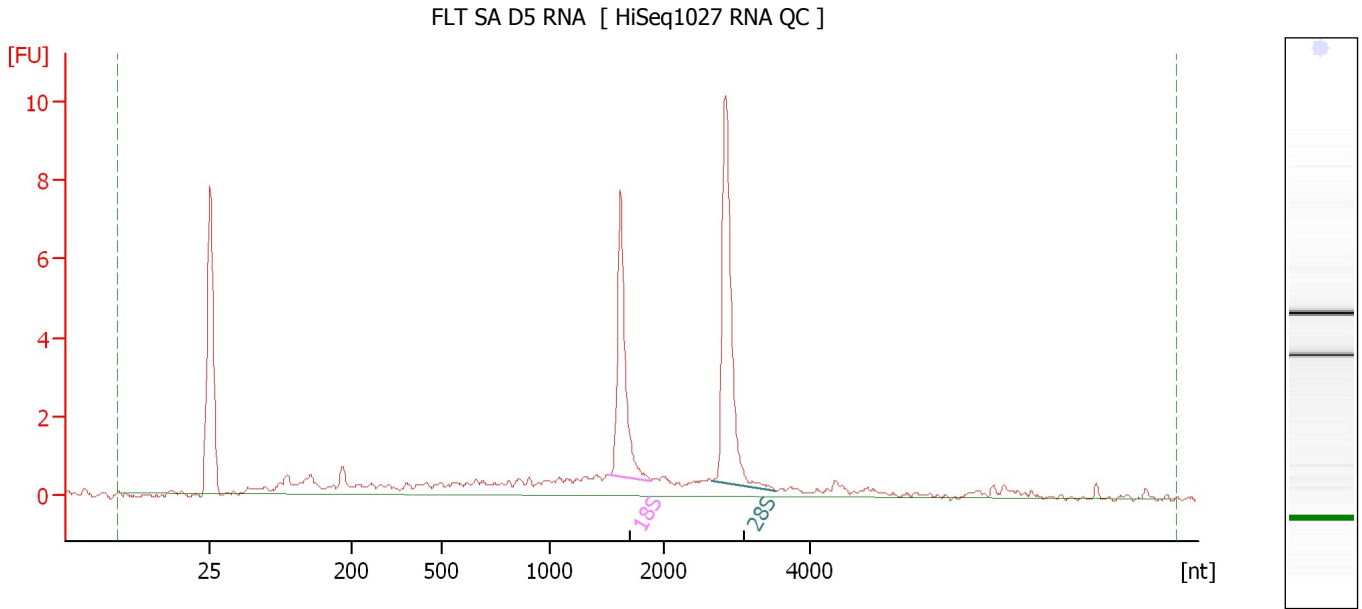
Fragment table for sample 8 : 8: R021

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,459	2,161	29.0	24.1
28S	2,877	3,929	54.3	45.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : FLT SA D5 RNA

RNA Area: 40.4 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 21 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN:8

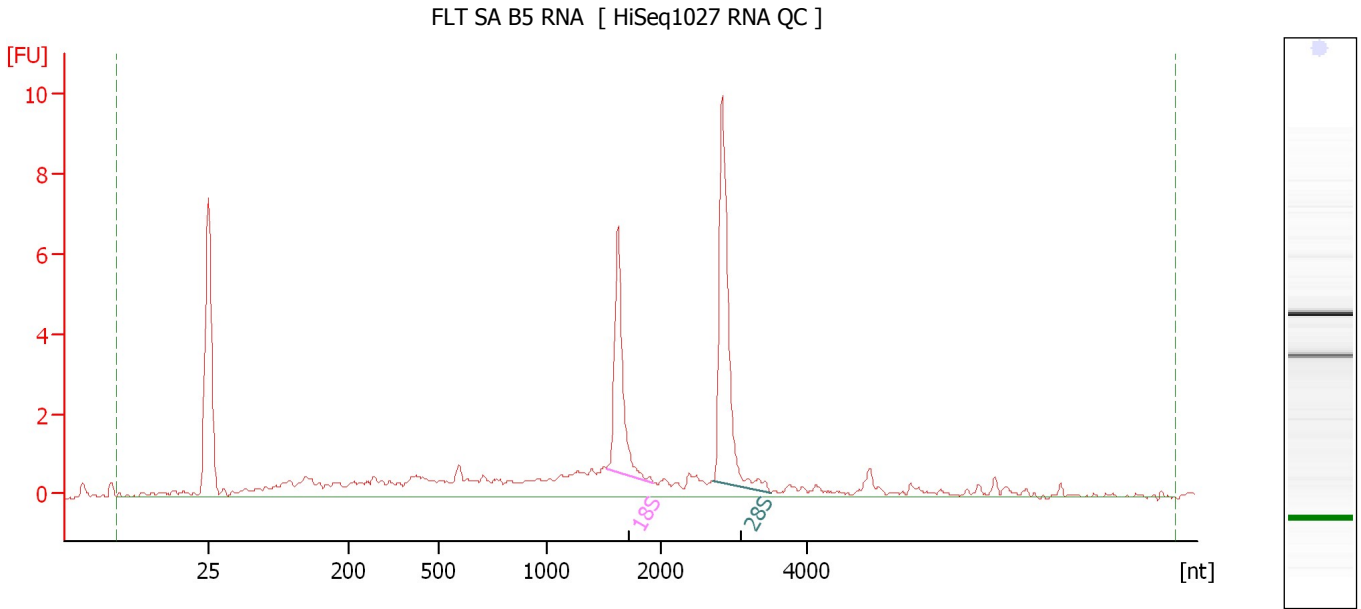
Fragment table for sample 9 : FLT SA D5 RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,532	1,878	7.0	17.2
28S	2,658	3,522	9.9	24.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
 Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : FLT SA B5 RNA

RNA Area:	48.4	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	25 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 7.90

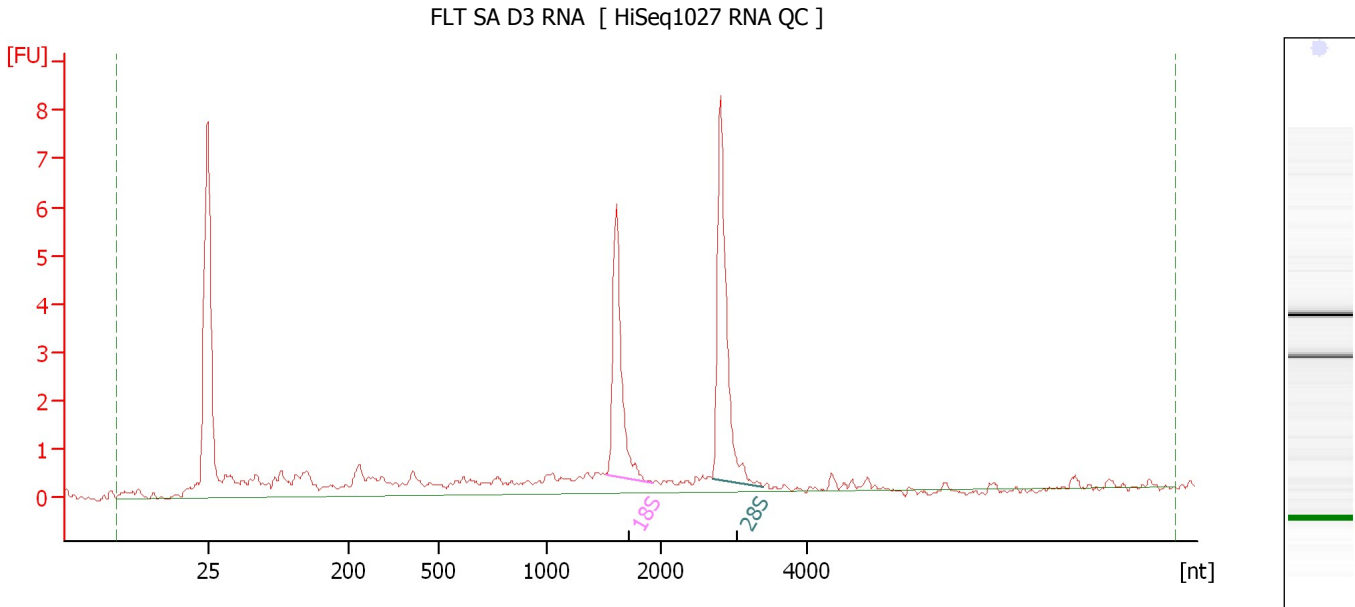
Fragment table for sample 10 : FLT SA B5 RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,521	1,933	6.0	12.4
28S	2,716	3,509	9.7	20.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
 Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : FLT SA D3 RNA

RNA Area: 38.5 RNA Integrity Number (RIN): 8 (B.02.08)
 RNA Concentration: 20 ng/μl Result Flagging Color:
 rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN:8

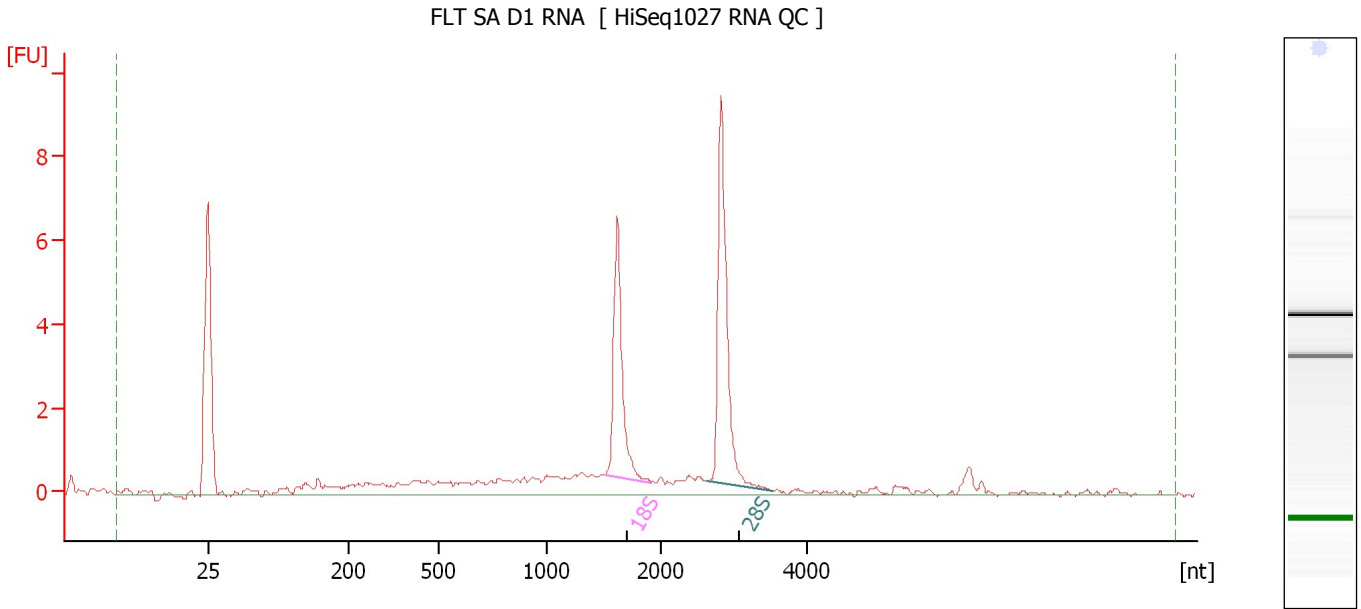
Fragment table for sample 11 : FLT SA D3 RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,530	1,923	5.7	14.8
28S	2,702	3,391	7.9	20.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
Modified: 6/27/2017 10:26:44 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : FLT SA D1 RNA

RNA Area: 35.4 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 18 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN:8

Fragment table for sample 12 : FLT SA D1 RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,502	1,914	6.3	17.7
28S	2,643	3,538	9.0	25.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-27\2017-06-27_004.xad

Created: 6/27/2017 10:03:38 AM
Modified: 6/27/2017 10:26:44 AM

Gel Image

