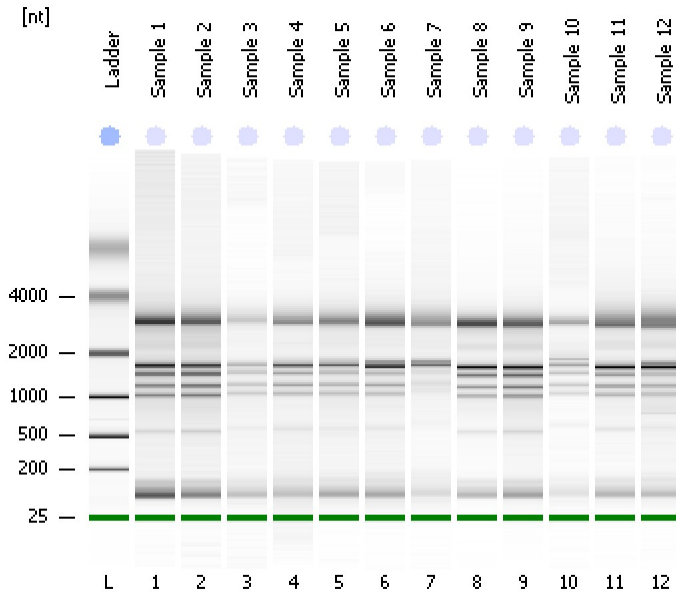


Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 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\Plant RNA Nano.xsy

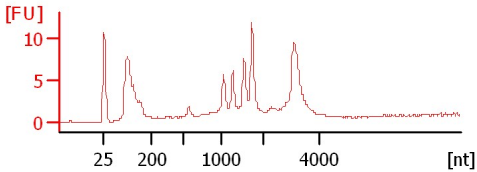
Assay Class: Plant RNA Nano
Version: 1.3
Assay Comments: Total RNA Analysis ng sensitivity (Plant)

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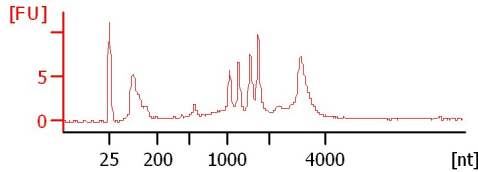
Chip Information:

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

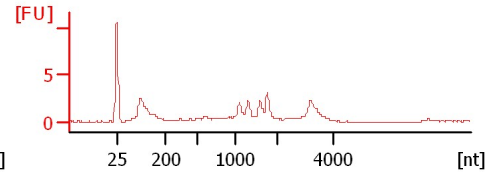
Sample 1
HiSeq1263_RNA_QC
RIN: 7



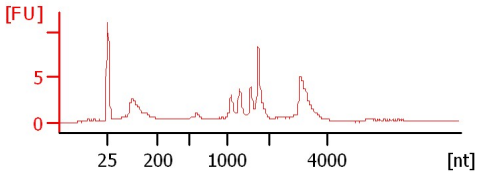
Sample 2
HiSeq1263_RNA_QC
RIN: 6.80



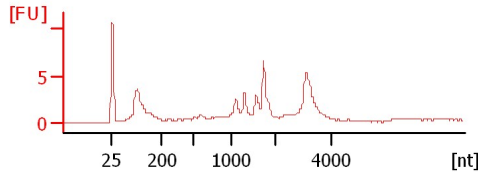
Sample 3
HiSeq1263_RNA_QC
RIN: 6.70



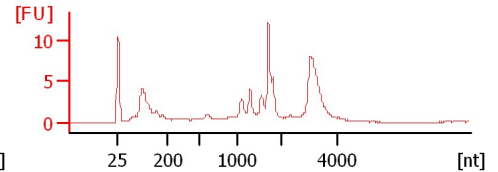
Sample 4
HiSeq1263_RNA_QC
RIN: 7.30



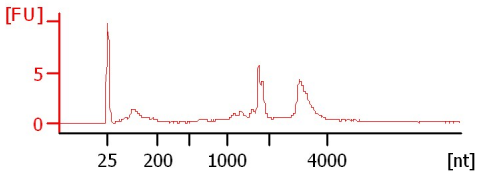
Sample 5
HiSeq1263_RNA_QC
RIN: 7.30



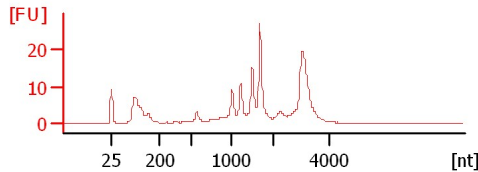
Sample 6
HiSeq1263_RNA_QC
RIN: 7.60



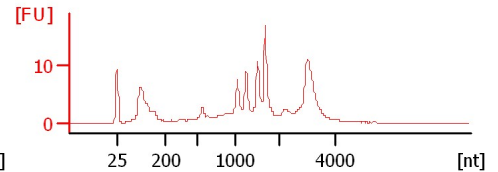
Sample 7
HiSeq1263_RNA_QC
RIN: 8.70



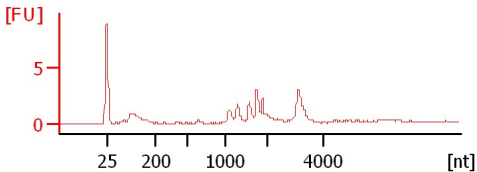
Sample 8
HiSeq1263_RNA_QC
RIN: 7.10



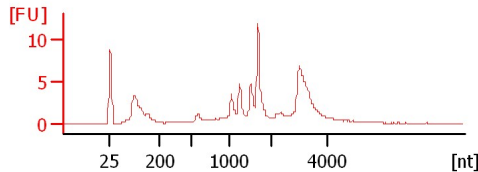
Sample 9
HiSeq1263_RNA_QC
RIN: 6.70



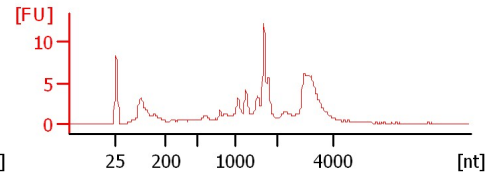
Sample 10
HiSeq1263_RNA_QC
RIN: 7.80



Sample 11
HiSeq1263_RNA_QC
RIN: 7.30



Sample 12
HiSeq1263_RNA_QC
RIN: 6.20



Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
 Modified: 1/3/2018 1:32:56 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1	HiSeq1263_RNA_QC	✓	RIN:7	
Sample 2	HiSeq1263_RNA_QC	✓	RIN: 6.80	
Sample 3	HiSeq1263_RNA_QC	✓	RIN: 6.70	
Sample 4	HiSeq1263_RNA_QC	✓	RIN: 7.30	
Sample 5	HiSeq1263_RNA_QC	✓	RIN: 7.30	
Sample 6	HiSeq1263_RNA_QC	✓	RIN: 7.60	
Sample 7	HiSeq1263_RNA_QC	✓	RIN: 8.70	
Sample 8	HiSeq1263_RNA_QC	✓	RIN: 7.10	
Sample 9	HiSeq1263_RNA_QC	✓	RIN: 6.70	
Sample 10	HiSeq1263_RNA_QC	✓	RIN: 7.80	
Sample 11	HiSeq1263_RNA_QC	✓	RIN: 7.30	
Sample 12	HiSeq1263_RNA_QC	✓	RIN: 6.20	
Ladder		✓	All Other Samples	

Chip Lot #

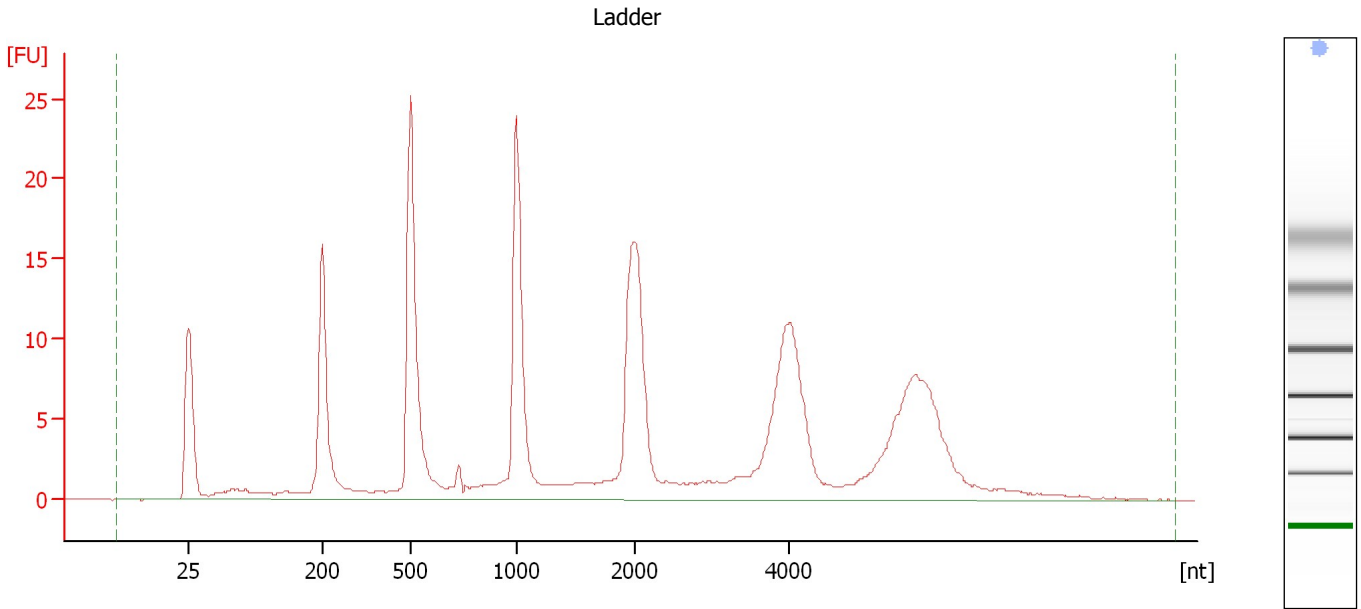
Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary



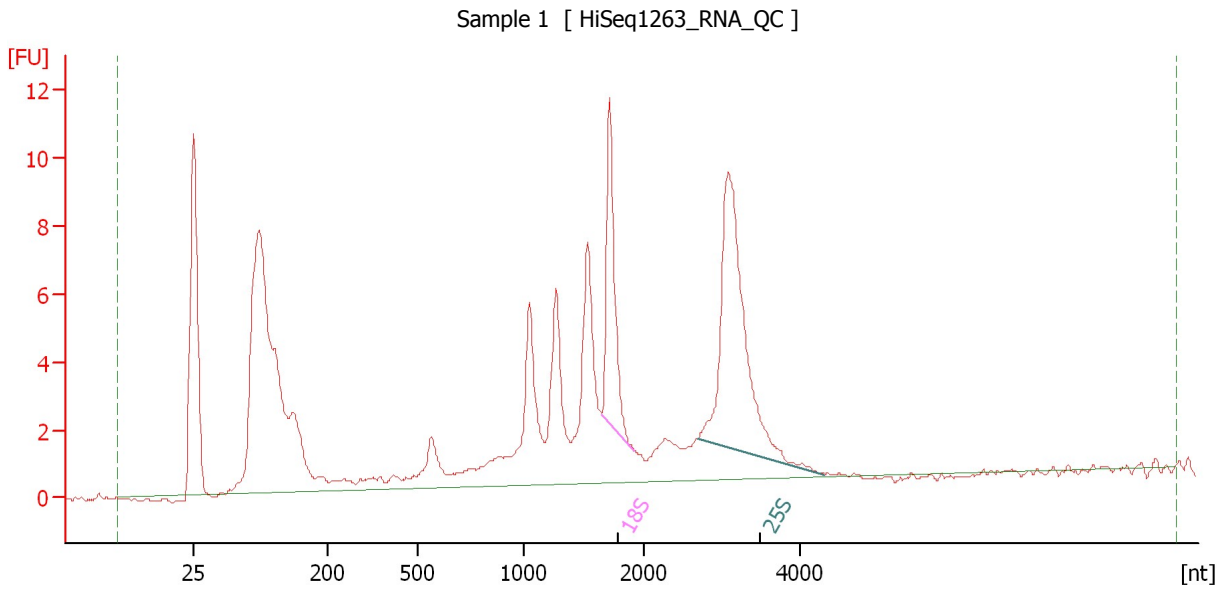
Overall Results for Ladder

RNA Area:	252.4	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	138.2	RNA Integrity Number (RIN):	7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	82 ng/μl		
rRNA Ratio [25s / 18s]:	2.2	Result Flagging Color:	
		Result Flagging Label:	RIN:7

Fragment table for sample 1 : Sample 1

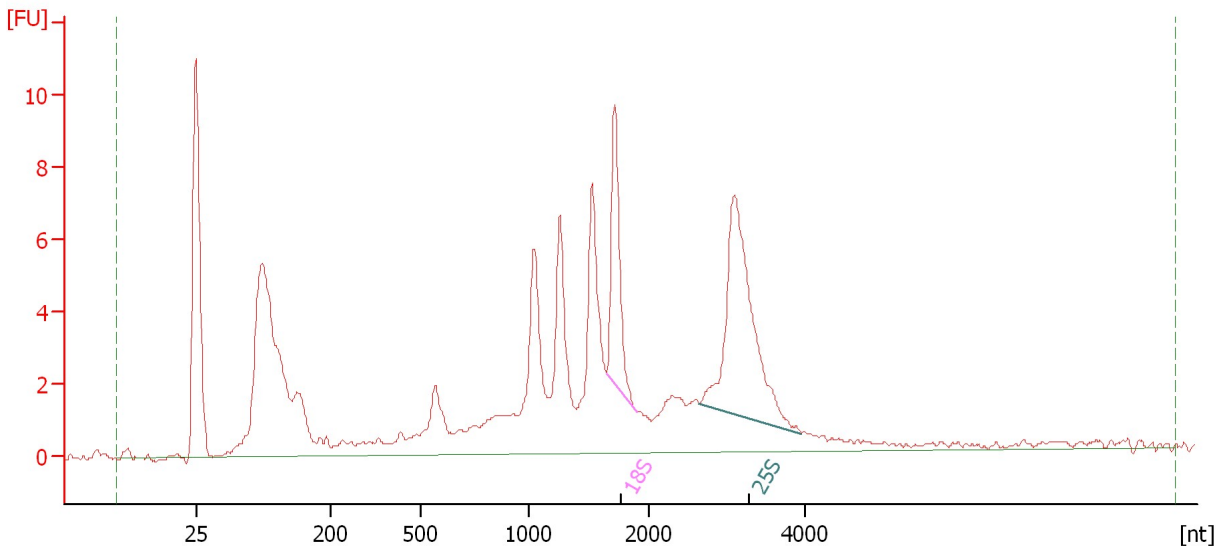
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	1,922	9.8	7.1
25S	2,688	4,315	21.1	15.3

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary Continued ...

Sample 2 [HiSeq1263_RNA_QC]



Overall Results for sample 2 : Sample 2

RNA Area:	135.8	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	81 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.3	Result Flagging Label:	RIN: 6.80

Fragment table for sample 2 : Sample 2

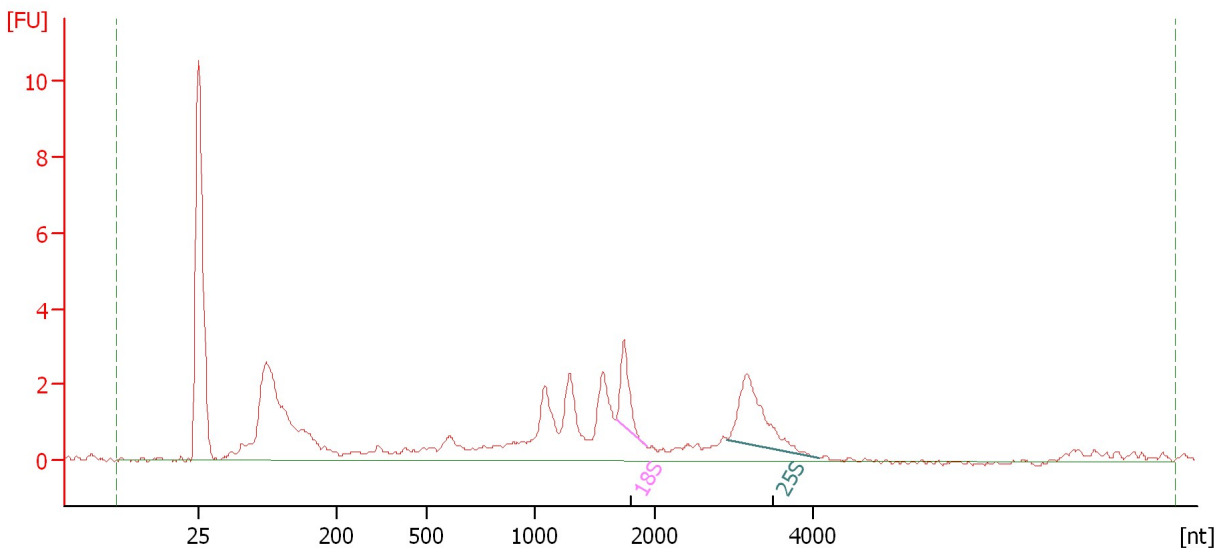
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,647	1,898	7.7	5.6
25S	2,646	3,950	17.6	12.9

Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
 Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary Continued ...

Sample 3 [HiSeq1263_RNA_QC]



Overall Results for sample 3 : Sample 3

RNA Area:	55.5	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	33 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.1	Result Flagging Label:	RIN: 6.70

Fragment table for sample 3 : Sample 3

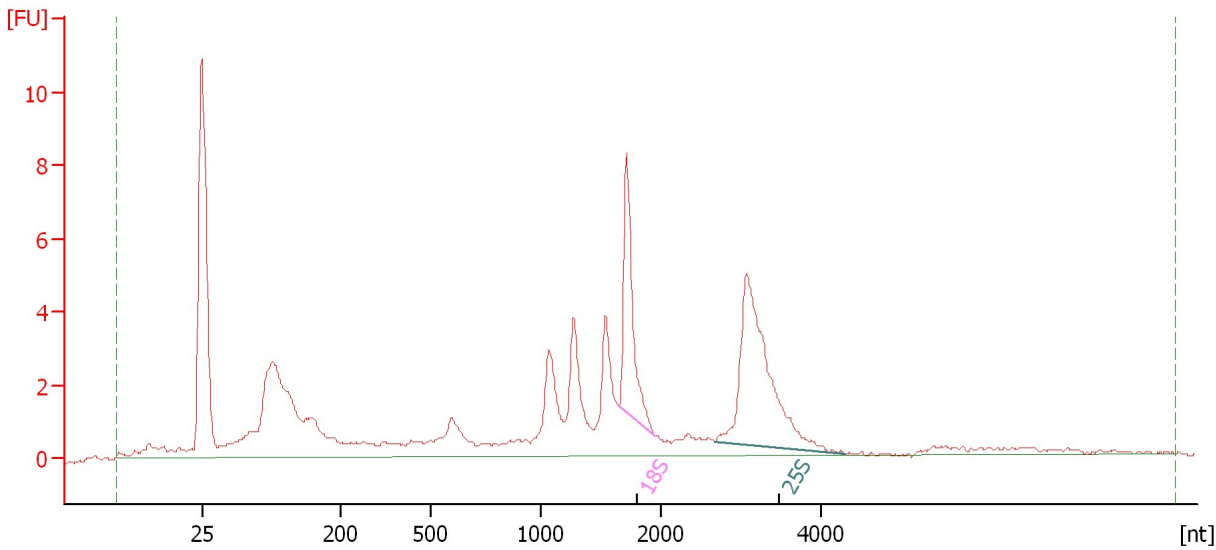
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,678	1,927	2.4	4.4
25S	2,916	4,076	5.0	9.0

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary Continued ...

Sample 4 [HiSeq1263_RNA_QC]



Overall Results for sample 4 : Sample 4

RNA Area: 86.6 RNA Integrity Number (RIN): 7.3 (B.02.08)
RNA Concentration: 51 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.9 Result Flagging Label: RIN: 7.30

Fragment table for sample 4 : Sample 4

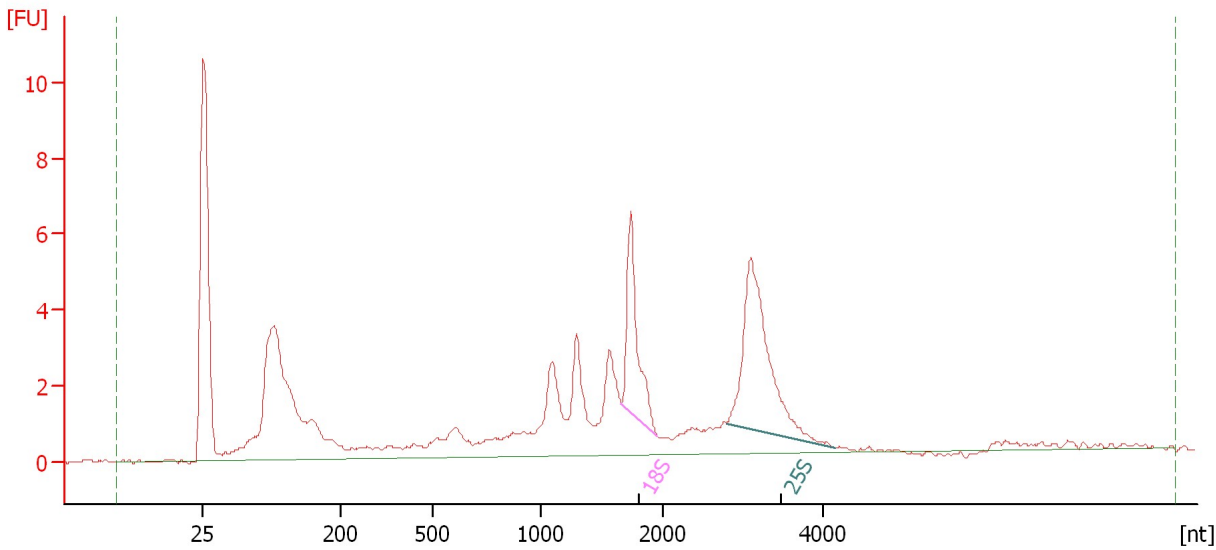
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,656	1,948	7.4	8.6
25S	2,672	4,322	14.3	16.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary Continued ...

Sample 5 [HiSeq1263_RNA_QC]



Overall Results for sample 5 : Sample 5

RNA Area:	81.6	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	49 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.0	Result Flagging Label:	RIN: 7.30

Fragment table for sample 5 : Sample 5

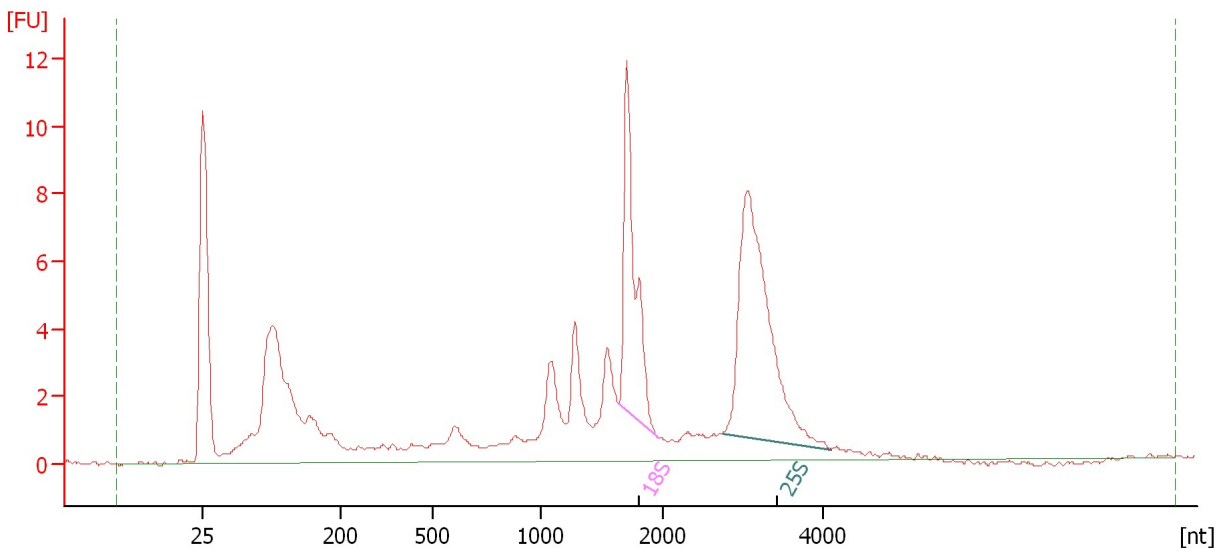
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,657	1,957	6.4	7.9
25S	2,792	4,157	12.5	15.3

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary Continued ...

Sample 6 [HiSeq1263_RNA_QC]



Overall Results for sample 6 : Sample 6

RNA Area: 115.3 RNA Integrity Number (RIN): 7.6 (B.02.08)
RNA Concentration: 69 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.8 Result Flagging Label: RIN: 7.60

Fragment table for sample 6 : Sample 6

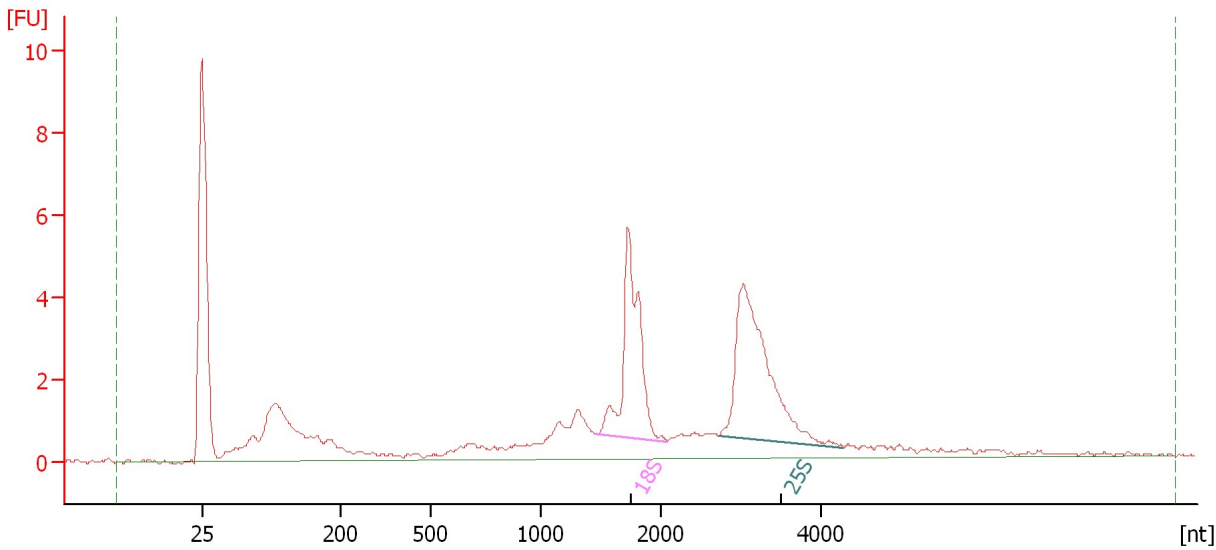
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,640	1,966	13.5	11.7
25S	2,752	4,117	23.8	20.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary Continued ...

Sample 7 [HiSeq1263_RNA_QC]



Overall Results for sample 7 : Sample 7

RNA Area:	63.0	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	37 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

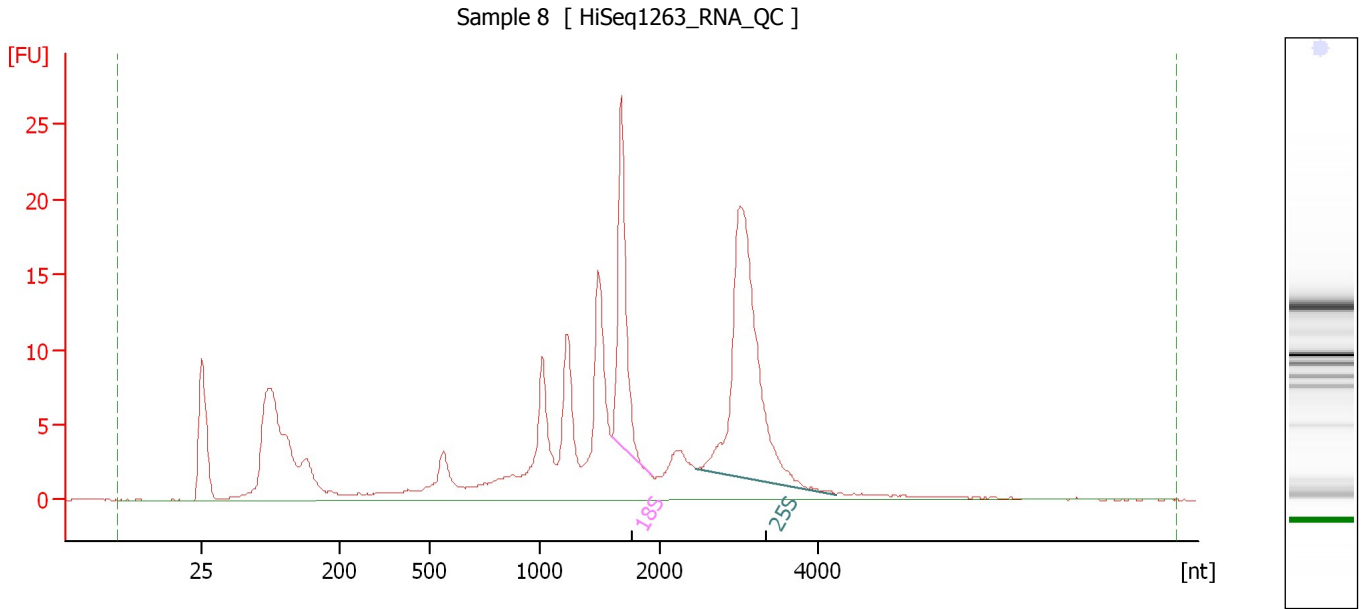
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,453	2,082	9.9	15.8
25S	2,739	4,295	13.1	20.7

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	240.0	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	143 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.2	Result Flagging Label:	RIN: 7.10

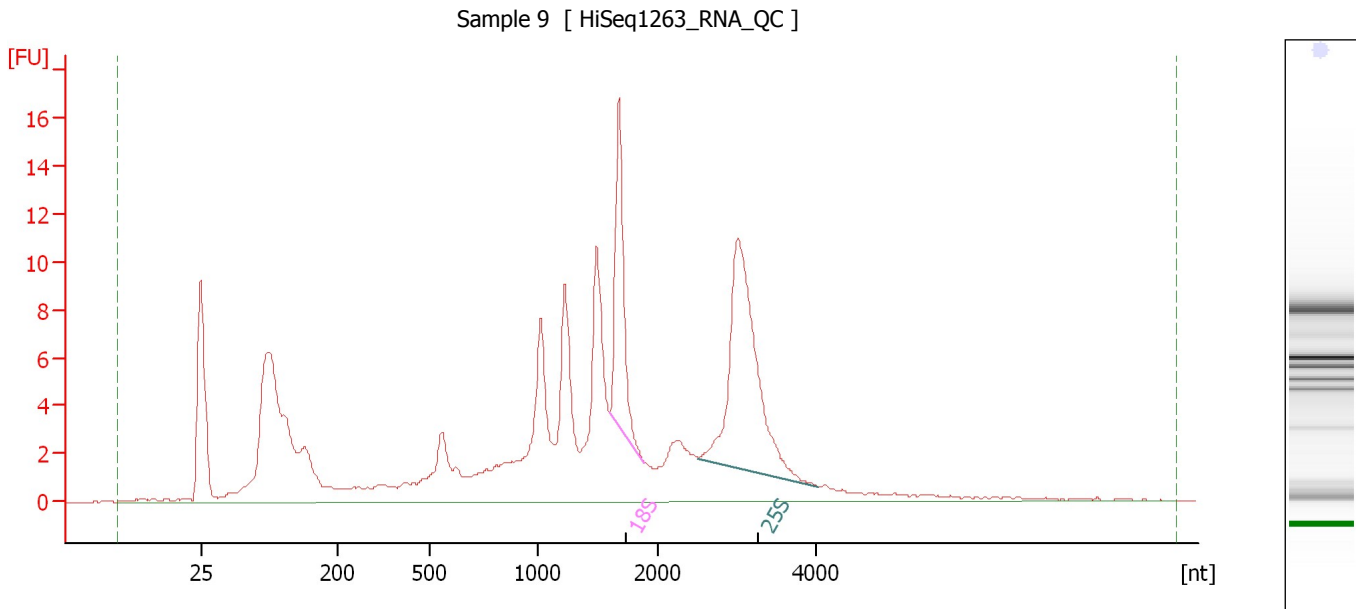
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	1,929	23.2	9.7
25S	2,457	4,218	50.3	21.0

Assay Class: Plant RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
 Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	194.3	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	116 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.1	Result Flagging Label:	RIN: 6.70

Fragment table for sample 9 : Sample 9

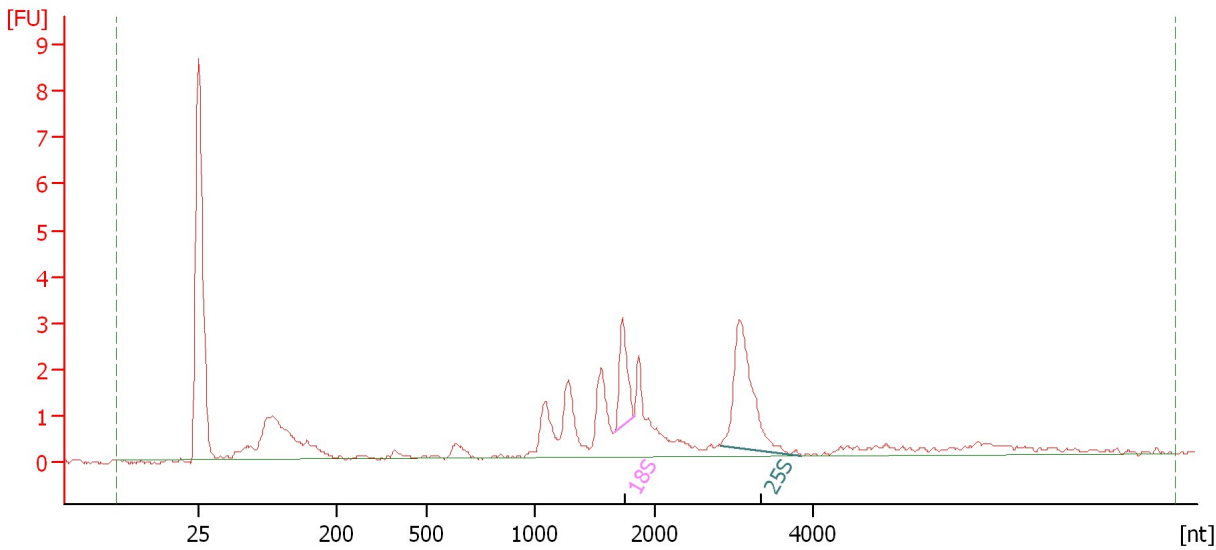
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,600	1,893	13.9	7.1
25S	2,511	4,033	28.5	14.6

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary Continued ...

Sample 10 [HiSeq1263_RNA_QC]



Overall Results for sample 10 : Sample 10

RNA Area: 32.7 RNA Integrity Number (RIN): 7.8 (B.02.08)
RNA Concentration: 19 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 2.5 Result Flagging Label: RIN: 7.80

Fragment table for sample 10 : Sample 10

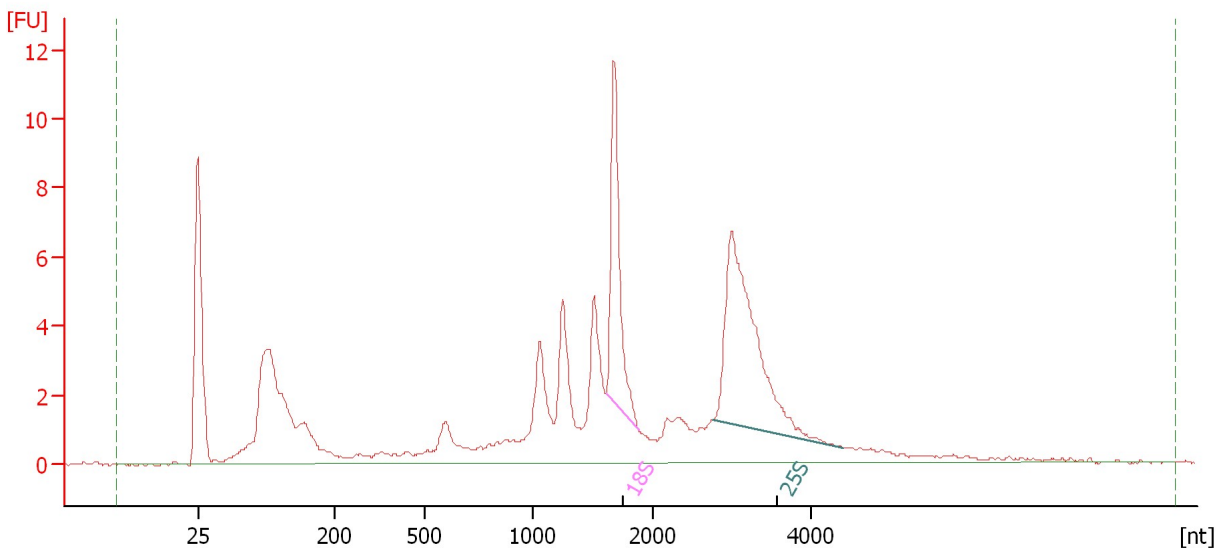
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	1,829	2.3	7.0
25S	2,835	3,861	5.7	17.5

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary Continued ...

Sample 11 [HiSeq1263_RNA_QC]



Overall Results for sample 11 : Sample 11

RNA Area: 110.8 RNA Integrity Number (RIN): 7.3 (B.02.08)
RNA Concentration: 66 ng/μl Result Flagging Color:
rRNA Ratio [25s / 18s]: 1.8 Result Flagging Label: RIN: 7.30

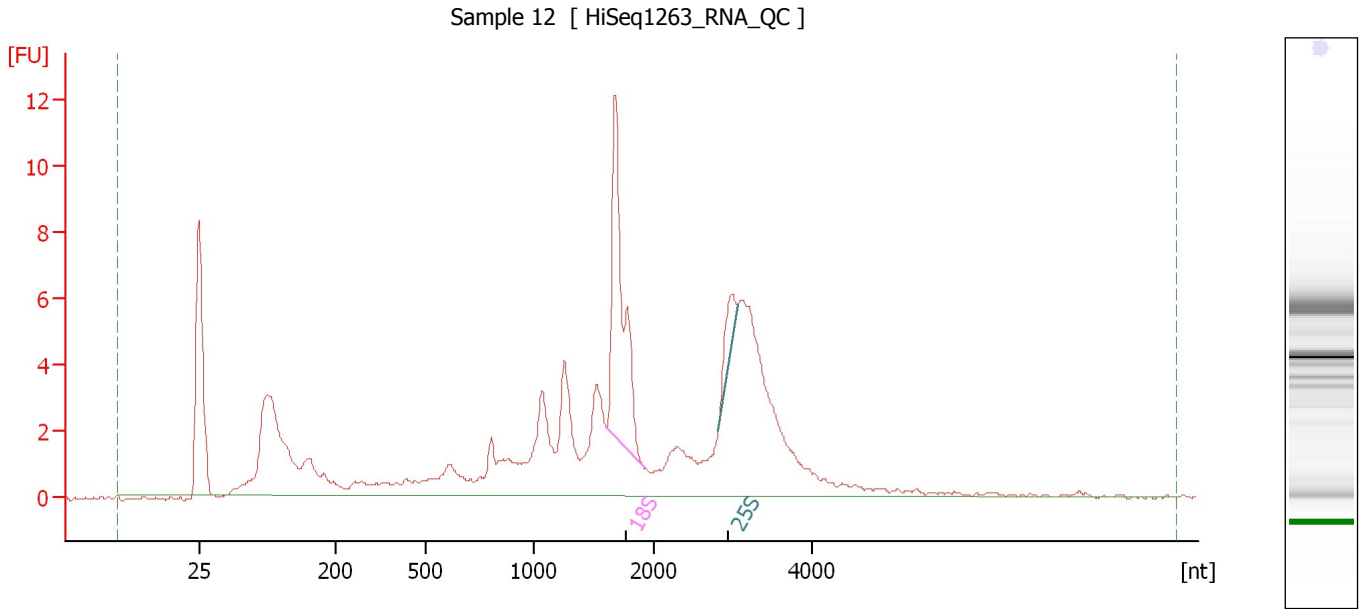
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,614	1,882	10.3	9.3
25S	2,754	4,418	18.7	16.8

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Sample 12

RNA Area:	116.8	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	69 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.1	Result Flagging Label:	RIN: 6.20

Fragment table for sample 12 : Sample 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,605	1,935	13.6	11.6
25S	2,822	3,065	2.0	1.7

Assay Class: Plant RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-03\2018-01-03_001.xad

Created: 1/3/2018 10:19:17 AM
Modified: 1/3/2018 1:32:56 PM

Gel Image

