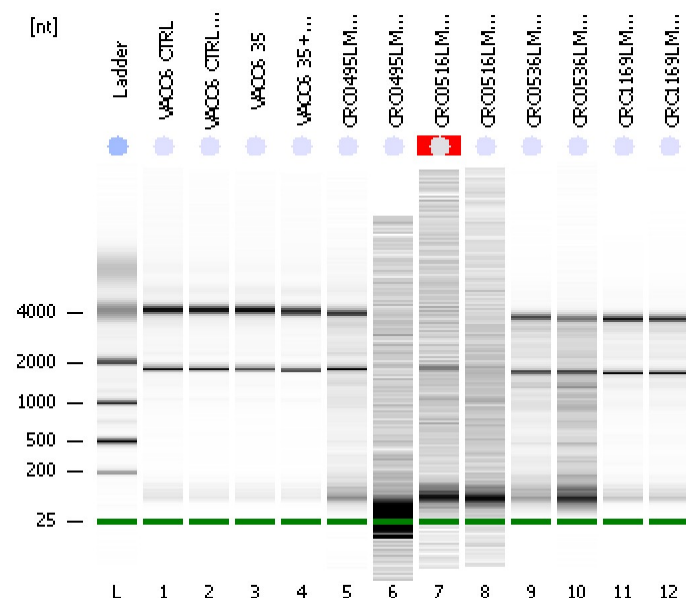


Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE24802676  
Serial#: DE24802676

Firmware: C.01.069  
Type: G2938B

#### Assay Information:

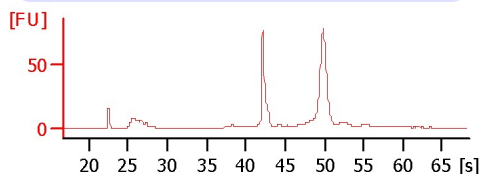
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy  
Title: Eukaryote Total RNA Nano Series II  
Version: 2.5  
Assay Comments: Copyright © 2003-2006 Agilent Technologies

#### Chip Information:

Chip Lot:  
Reagent Kit Lot:  
Chip Comments:

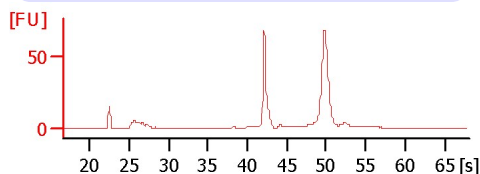
#### VACO6 CTRL

RIN: 9.70



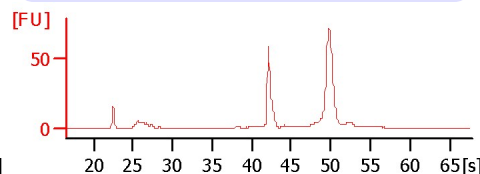
#### VACO6 CTRL+DOXY

RIN: 9.80



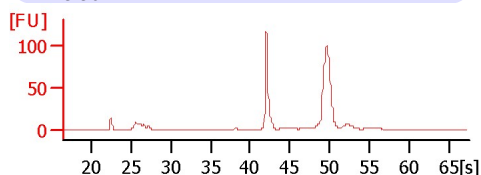
#### VACO6 35

RIN: 9.90



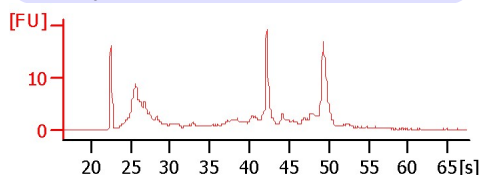
#### VACO6 35+DOXY

RIN: 9.90



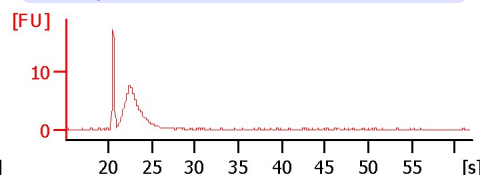
#### CRC0495LMX0B03009TUMRL0100

RIN: 7.40



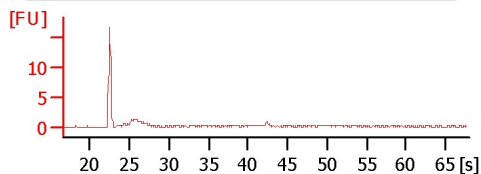
#### CRC0495LMX0B03010TUMRL0100

RIN: 1.10



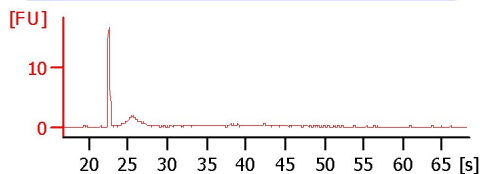
#### CRC0516LMX0B03011TUMRL0100

RIN N/A



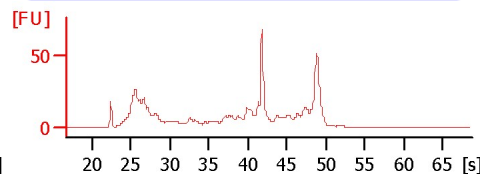
#### CRC0516LMX0B03012TUMRL0100

RIN: 1.70



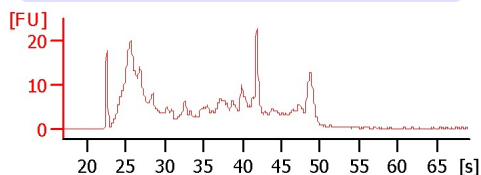
#### CRC0536LMX0B03004TUMRL0100

RIN: 6.60



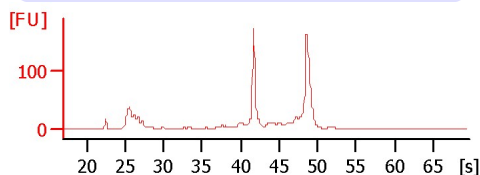
#### CRC0536LMX0B03012TUMRL0100

RIN: 5.10



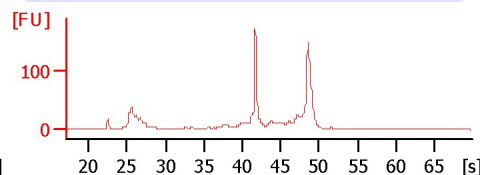
#### CRC1169LMX0A01001TUMRL0100

RIN: 8.80



#### CRC1169LMX0B01001TUMRL0100

RIN: 8.30



Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

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

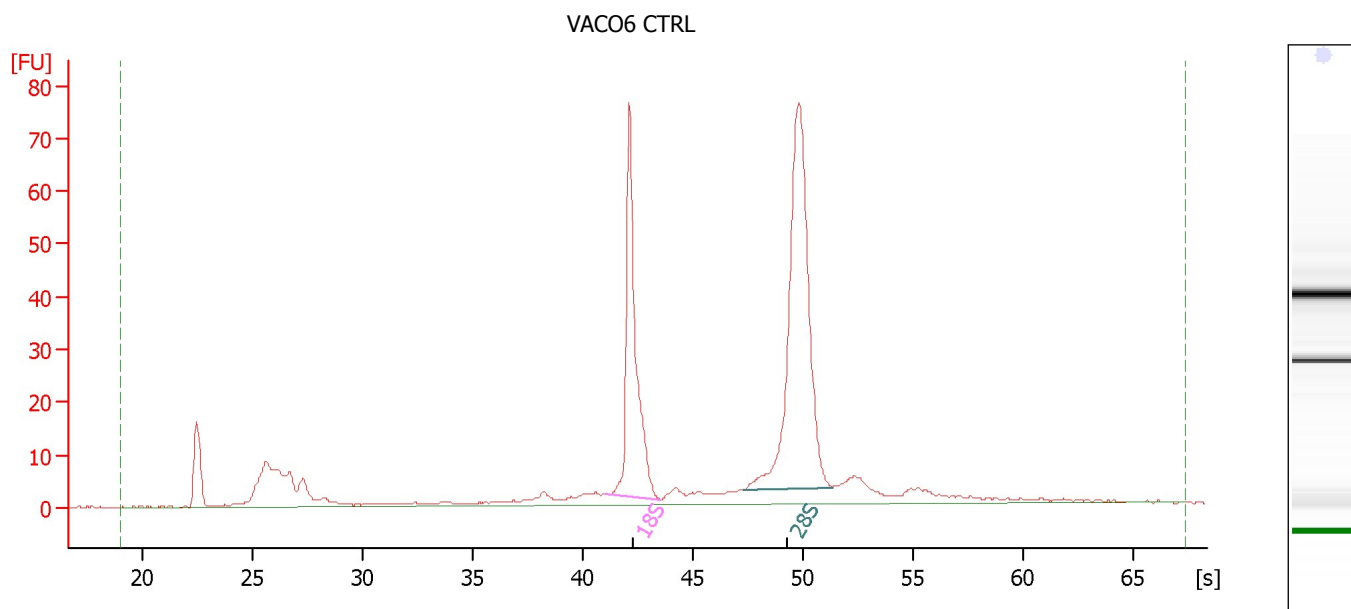
Sample Name	Sample Comment	Status	Result Label	Result Color
VACO6 CTRL		✓	RIN: 9.70	
VACO6 CTRL+DOXY		✓	RIN: 9.80	
VACO6 35		✓	RIN: 9.90	
VACO6 35+DOXY		✓	RIN: 9.90	
CRC0495LMX0B03009TUMRL0100		✓	RIN: 7.40	
CRC0495LMX0B03010TUMRL0100		✓	RIN: 1.10	
CRC0516LMX0B03011TUMRL0100		✓	RIN N/A	
CRC0516LMX0B03012TUMRL0100		✓	RIN: 1.70	
CRC0536LMX0B03004TUMRL0100		✓	RIN: 6.60	
CRC0536LMX0B03012TUMRL0100		✓	RIN: 5.10	
CRC1169LMX0A01001TUMRL0100		✓	RIN: 8.80	
CRC1169LMX0B01001TUMRL0100		✓	RIN: 8.30	

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

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

### Electropherogram Summary



#### Overall Results for sample 1 : VACO6 CTRL

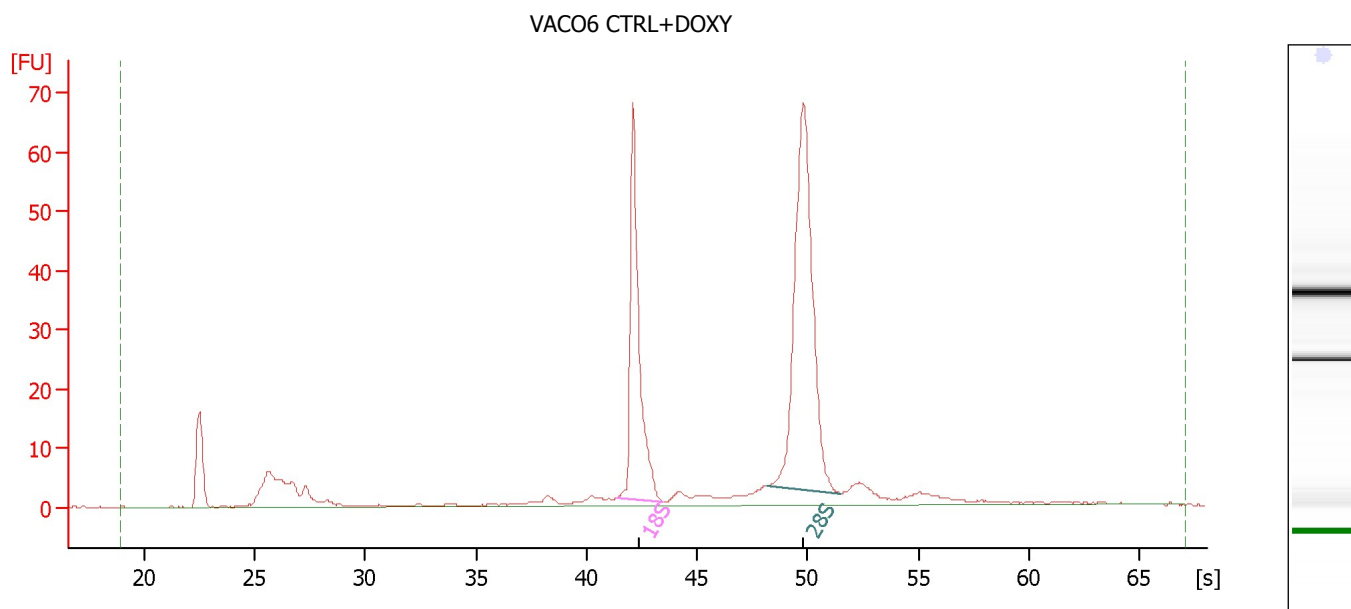
RNA Area:	425.0	RNA Integrity Number (RIN):	9.7 (A.01.01)
RNA Concentration:	218 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.70

#### Fragment table for sample 1 : VACO6 CTRL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,610	2,167	87.3	20.5
28S	3,305	4,547	150.5	35.4

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Electropherogram Summary Continued ...****Overall Results for sample 2 : VACO6 CTRL+DOXY**

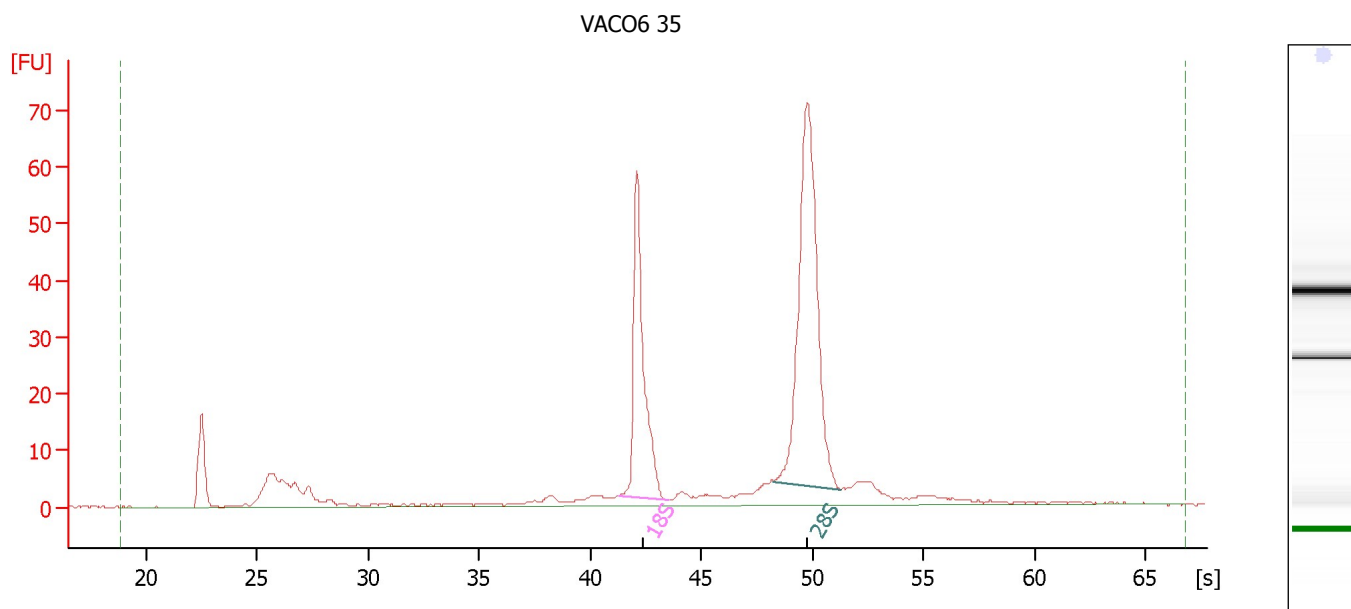
RNA Area:	315.2	RNA Integrity Number (RIN):	9.8 (A.01.01)
RNA Concentration:	162 ng/ $\mu$ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.80


**Fragment table for sample 2 : VACO6 CTRL+DOXY**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,688	2,124	71.0	22.5
28S	3,585	4,599	123.3	39.1

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Electropherogram Summary Continued ...****Overall Results for sample 3 : VACO6 35**

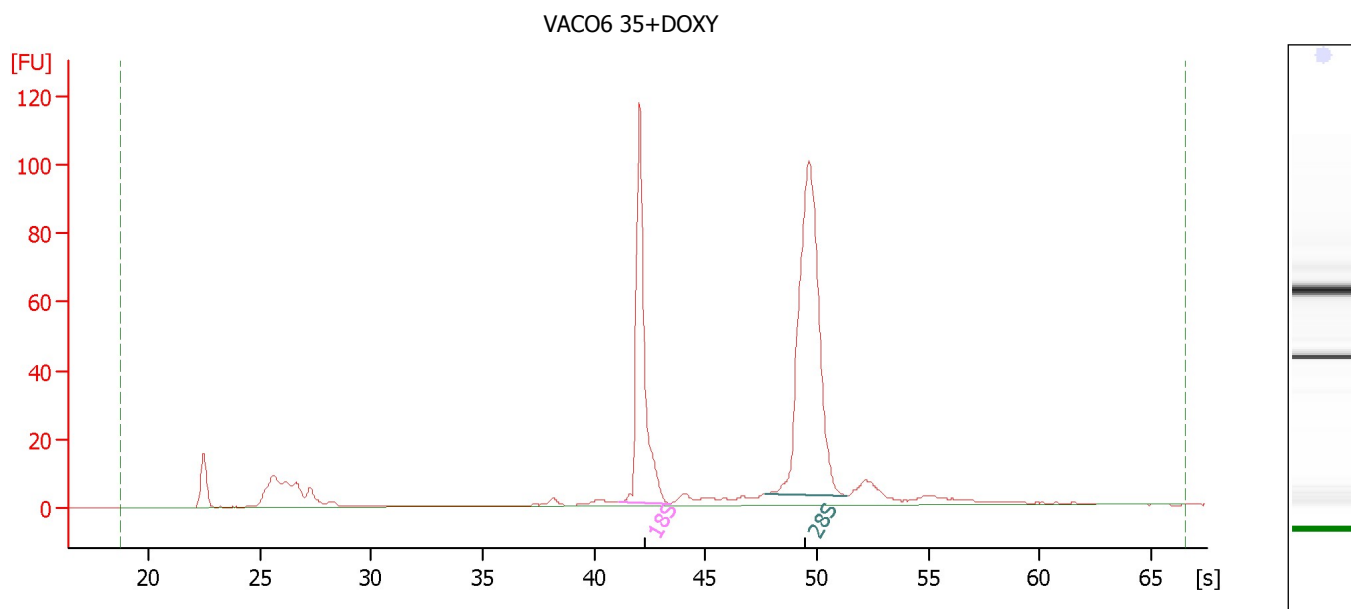
RNA Area:	337.4	RNA Integrity Number (RIN):	9.9 (A.01.01)
RNA Concentration:	173 ng/ $\mu$ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.90


**Fragment table for sample 3 : VACO6 35**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	2,156	68.5	20.3
28S	3,596	4,531	129.5	38.4

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : VACO6 35+DOXY**

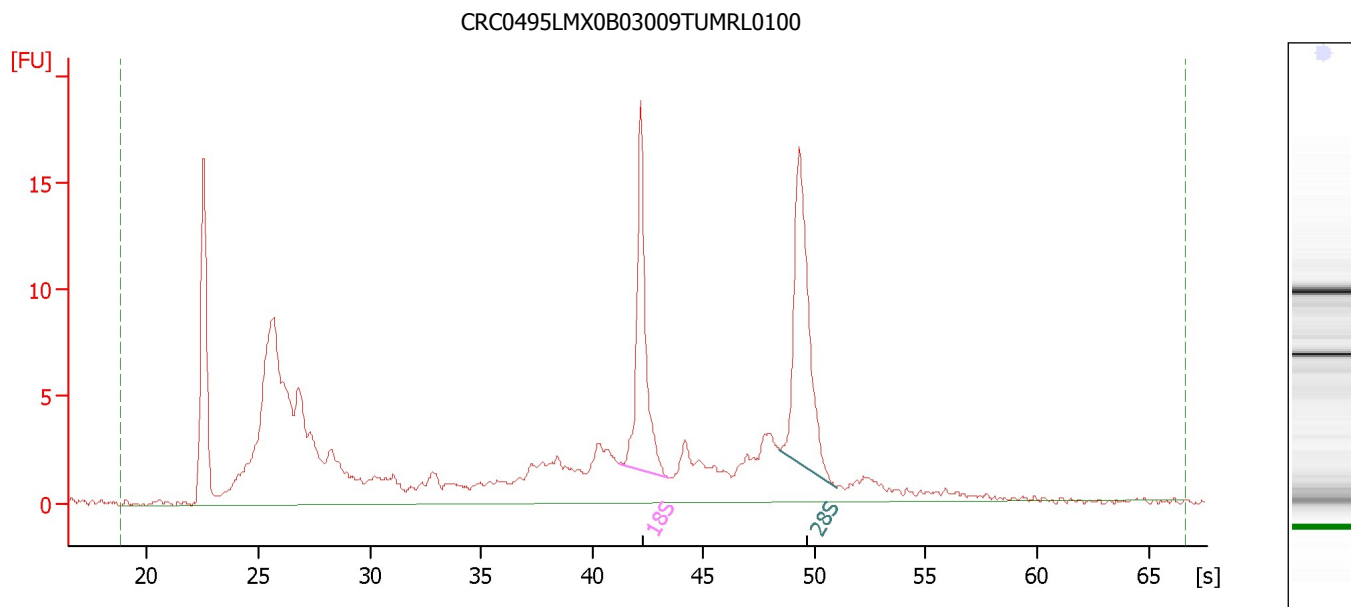
RNA Area:	489.3	RNA Integrity Number (RIN):	9.9 (A.01.01)
RNA Concentration:	251 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.90

**Fragment table for sample 4 : VACO6 35+DOXY**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,629	2,128	114.8	23.5
28S	3,429	4,537	203.9	41.7

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Electropherogram Summary Continued ...****Overall Results for sample 5 : CRC0495LMX0B03009TUMRL0100**

RNA Area:	208.5	RNA Integrity Number (RIN):	7.4 (A.01.01)
RNA Concentration:	107 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.40

**Fragment table for sample 5 : CRC0495LMX0B03009TUMRL0100**

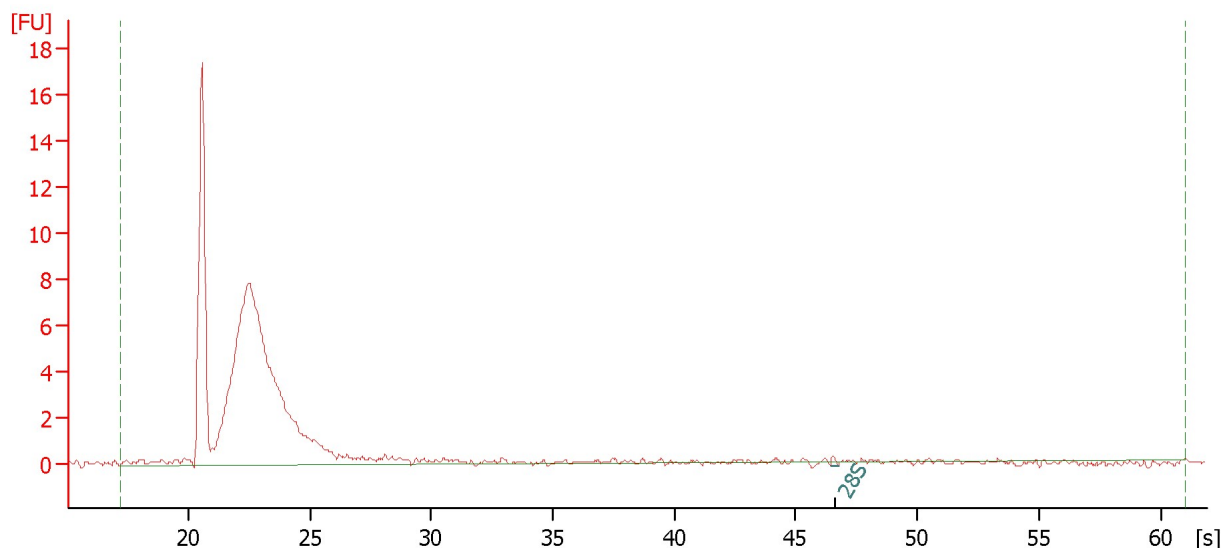
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,646	2,127	18.2	8.7
28S	3,653	4,438	22.4	10.7

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Electropherogram Summary Continued ...**

CRC0495LMX0B03010TUMRL0100

**Overall Results for sample 6 : CRC0495LMX0B03010TUMRL0100**

RNA Area:	37.5	RNA Integrity Number (RIN):	1.1 (A.01.01)
RNA Concentration:	19 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

**Fragment table for sample 6 : CRC0495LMX0B03010TUMRL0100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	3,035	3,143	0.2	0.6

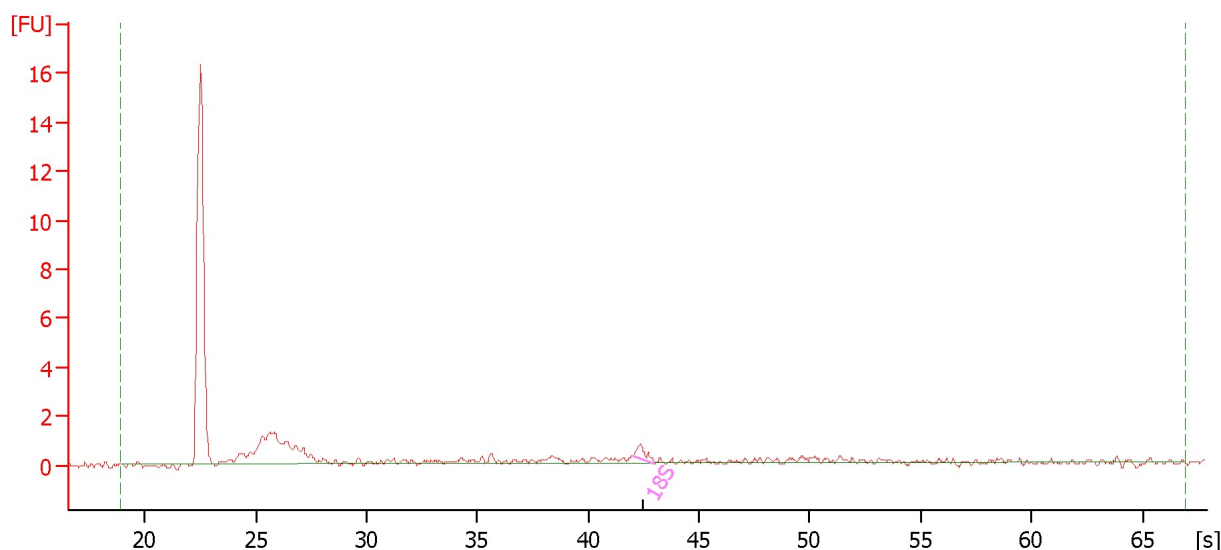



Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Electropherogram Summary Continued ...**

CRC0516LMX0B03011TUMRL0100

**Overall Results for sample 7 : CRC0516LMX0B03011TUMRL0100**

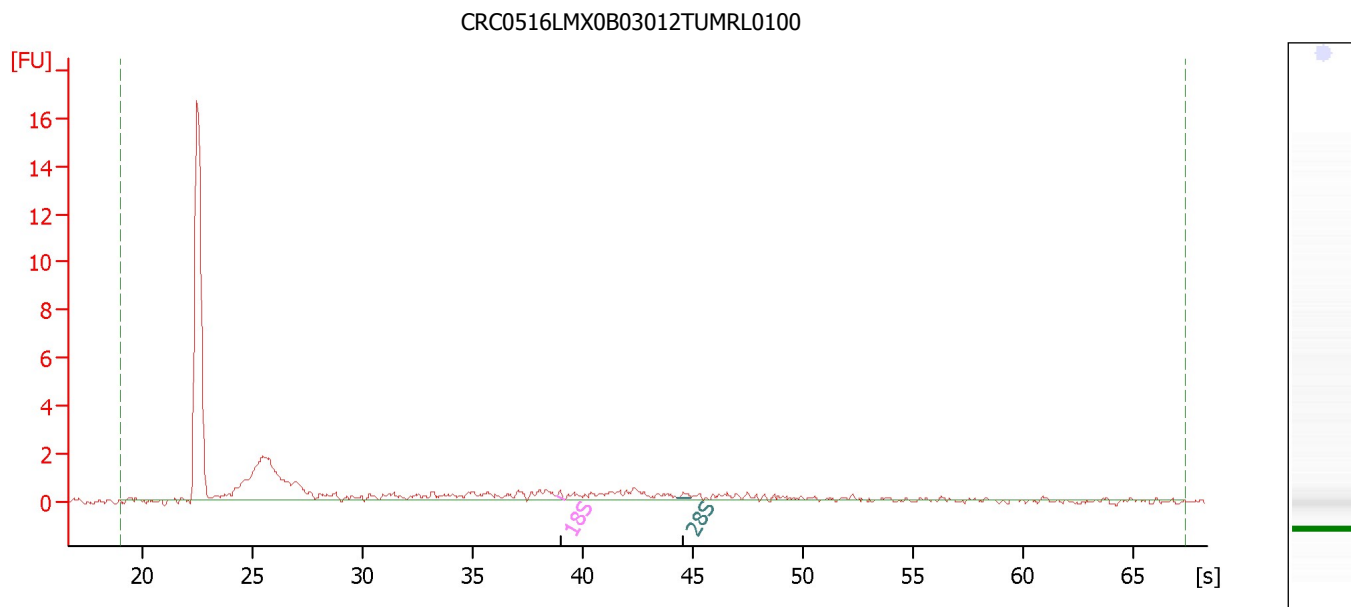
RNA Area:	16.3	RNA Integrity Number (RIN):	N/A (A.01.01)
RNA Concentration:	8 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 7 : CRC0516LMX0B03011TUMRL0100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,800	1,994	0.7	4.0

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : CRC0516LMX0B03012TUMRL0100**

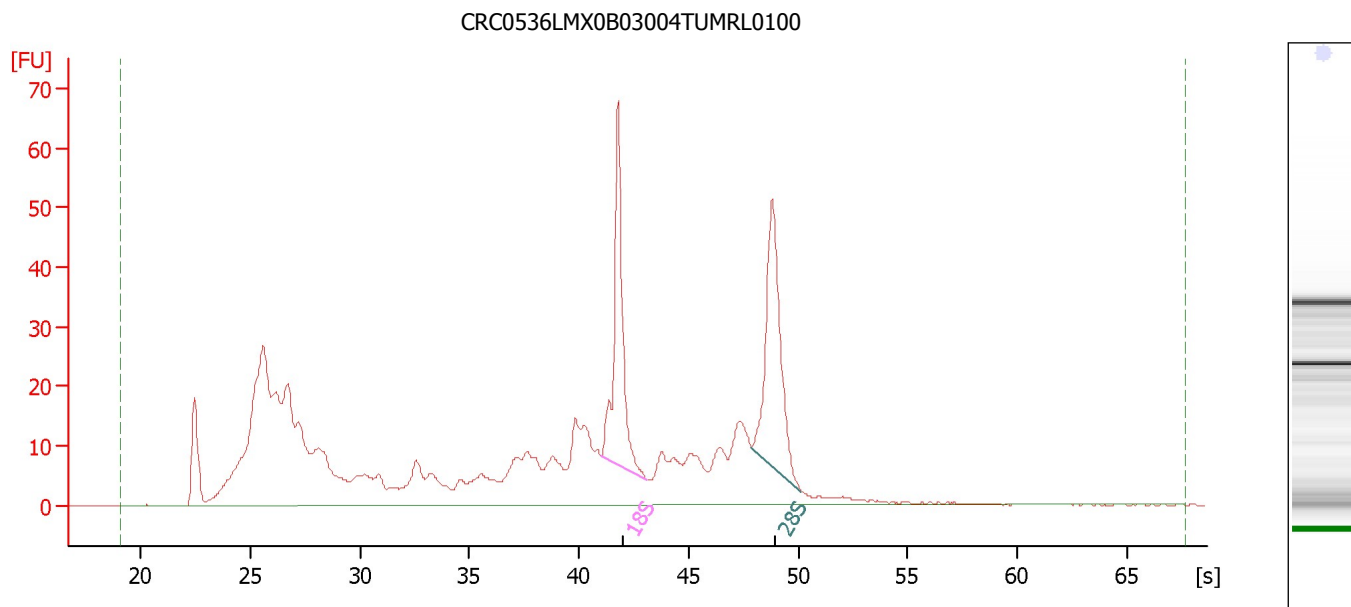
RNA Area:	28.6	RNA Integrity Number (RIN):	1.7 (A.01.01)
RNA Concentration:	15 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 1.70

**Fragment table for sample 8 : CRC0516LMX0B03012TUMRL0100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,192	1,266	0.2	0.6
28S	2,391	2,586	0.2	0.5

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Electropherogram Summary Continued ...**

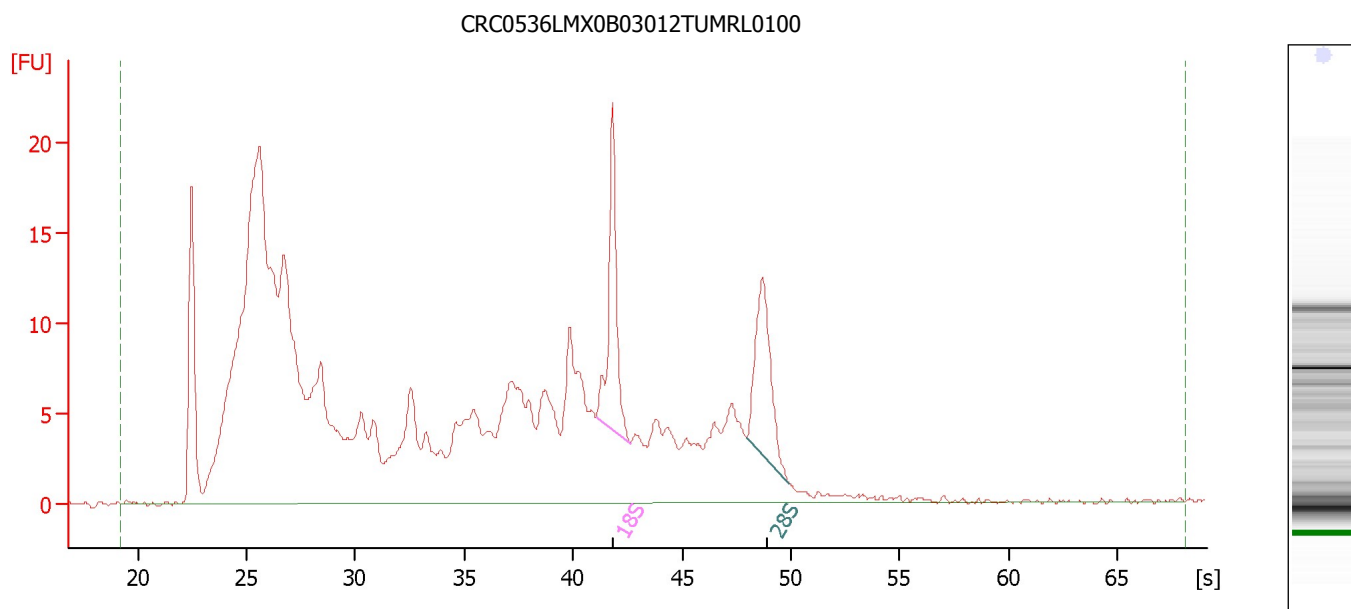
RNA Area:	744.0	RNA Integrity Number (RIN):	6.6 (A.01.01)
RNA Concentration:	382 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.60


**Fragment table for sample 9 : CRC0536LMX0B03004TUMRL0100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	2,030	64.4	8.7
28S	3,488	4,180	67.7	9.1

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Electropherogram Summary Continued ...****Overall Results for sample 10 : CRC0536LMX0B03012TUMRL0100**

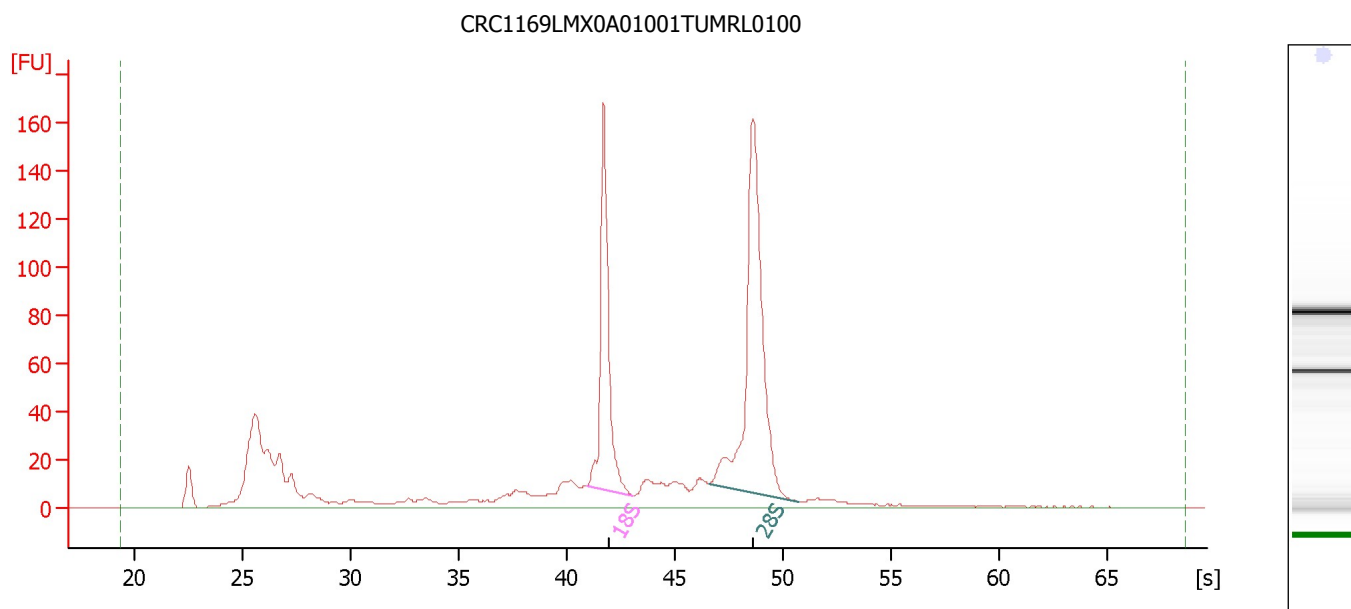
RNA Area:	472.6	RNA Integrity Number (RIN):	5.1 (A.01.01)
RNA Concentration:	242 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 5.10


**Fragment table for sample 10 : CRC0536LMX0B03012TUMRL0100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,621	1,922	18.4	3.9
28S	3,509	4,115	16.5	3.5

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Electropherogram Summary Continued ...****Overall Results for sample 11 : CRC1169LMX0A01001TUMRL0100**

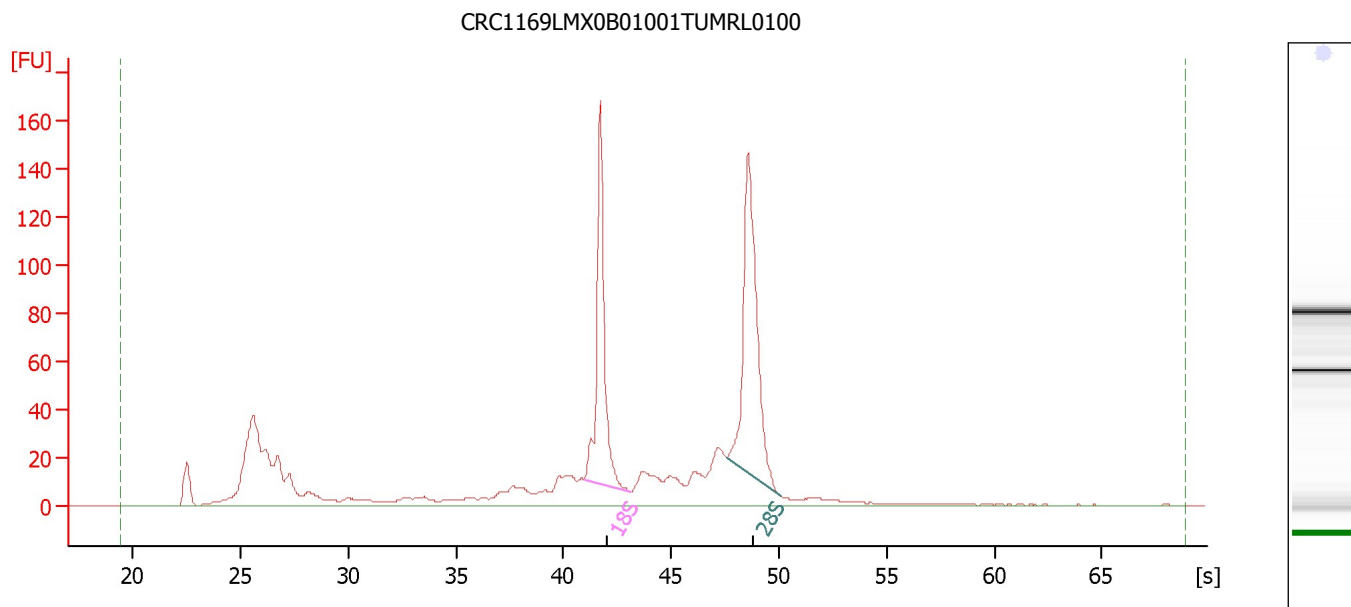
RNA Area:	999.3	RNA Integrity Number (RIN):	8.8 (A.01.01)
RNA Concentration:	513 ng/ $\mu$ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.80

**Fragment table for sample 11 : CRC1169LMX0A01001TUMRL0100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,597	2,007	157.2	15.7
28S	3,073	4,338	268.2	26.8

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : CRC1169LMX0B01001TUMRL0100**

RNA Area:	991.5	RNA Integrity Number (RIN):	8.3 (A.01.01)
RNA Concentration:	509 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.30

**Fragment table for sample 12 : CRC1169LMX0B01001TUMRL0100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,603	2,019	155.1	15.6
28S	3,397	4,162	196.1	19.8

Assay Class: EukaryoteTotal RNA Nano  
Data Path: C:\...\EukaryoteTotal RNA Nano\_DE24802676\_2015-04-23\_15-11-27.xad

Created: 4/23/2015 3:11:28 PM  
Modified: 4/23/2015 3:35:52 PM

**Gel Image**