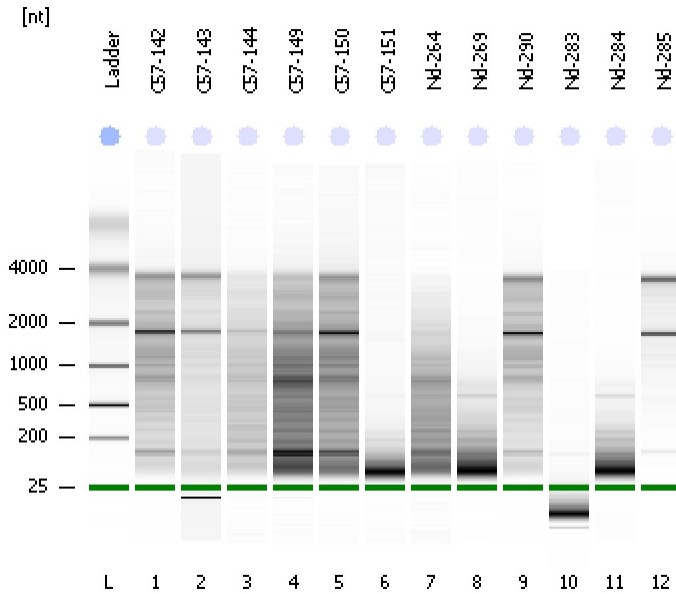


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electrophoresis File Run Summary



Instrument Information:

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

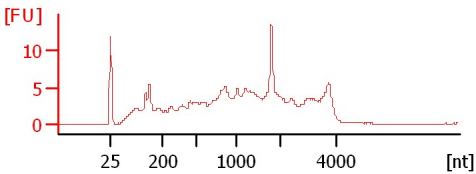
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\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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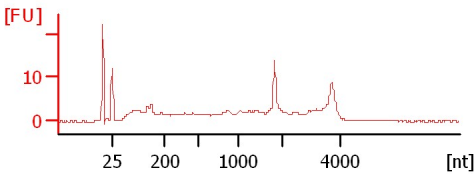
Chip Information:

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

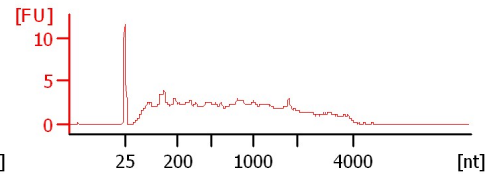
C57-142
RIN: 5.10



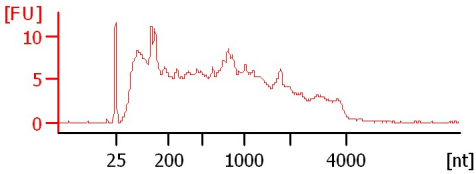
C57-143
RIN: 6.80



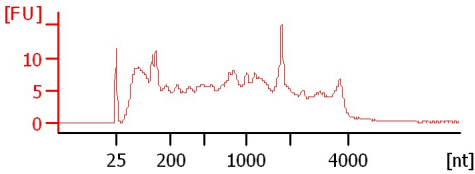
C57-144
RIN: 2.70



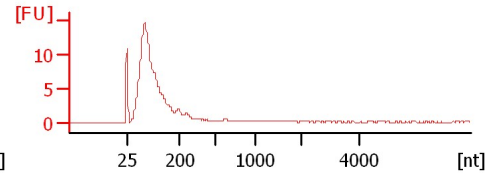
C57-149
RIN: 2.60



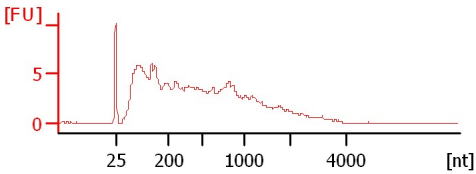
C57-150
RIN: 4.20



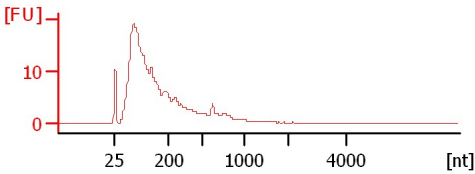
C57-151
RIN: 2.60



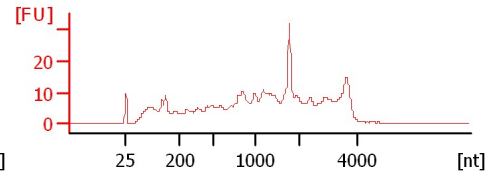
Nd-264
RIN: 2.50



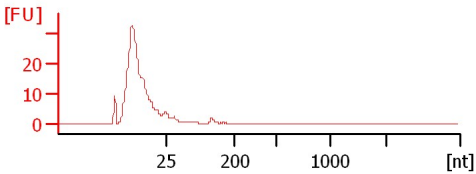
Nd-269
RIN: 2.40



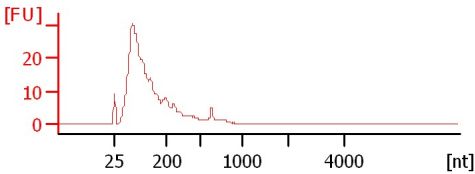
Nd-290
RIN: 4.90



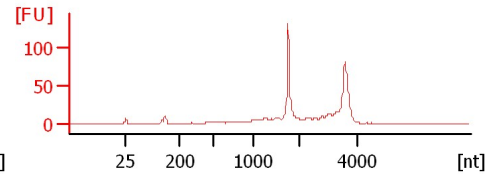
Nd-283
RIN: 2.70



Nd-284
RIN: 2.40



Nd-285
RIN: 7.80



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
 Modified: 5/2/2014 3:52:56 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
C57-142		✓	RIN: 5.10	
C57-143		✓	RIN: 6.80	
C57-144		✓	RIN: 2.70	
C57-149		✓	RIN: 2.60	
C57-150		✓	RIN: 4.20	
C57-151		✓	RIN: 2.60	
Nd-264		✓	RIN: 2.50	
Nd-269		✓	RIN: 2.40	
Nd-290		✓	RIN: 4.90	
Nd-283		✓	RIN: 2.70	
Nd-284		✓	RIN: 2.40	
Nd-285		✓	RIN: 7.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ l] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

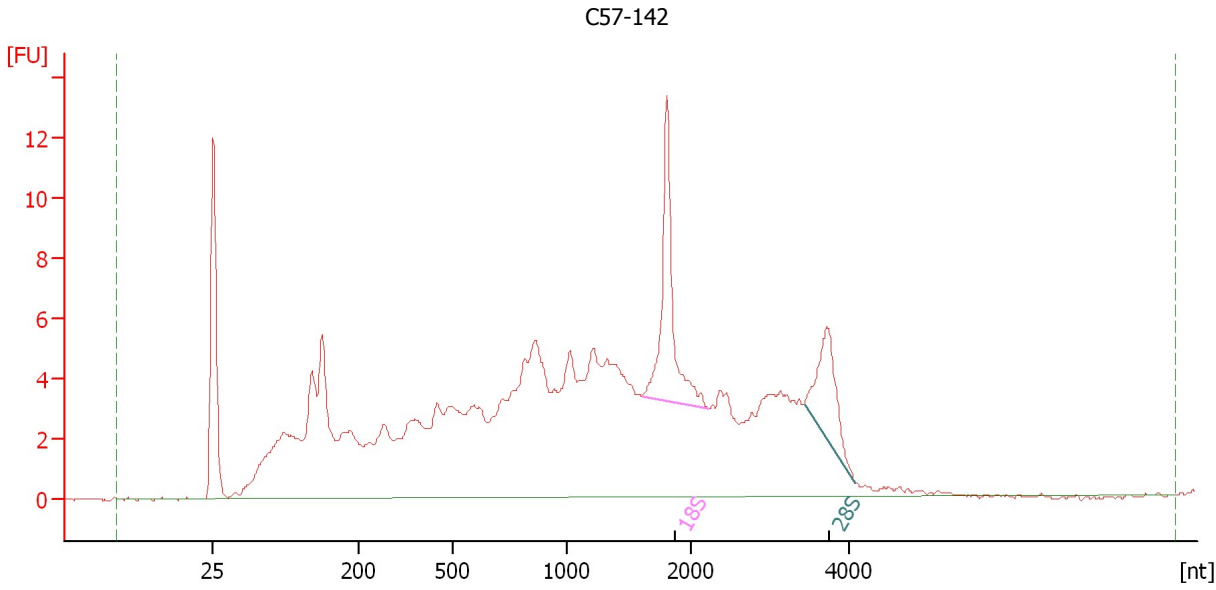
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary



Overall Results for sample 1 : C57-142

RNA Area: 230.9 RNA Integrity Number (RIN): 5.1 (B.02.08)
RNA Concentration: 167 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 5.10

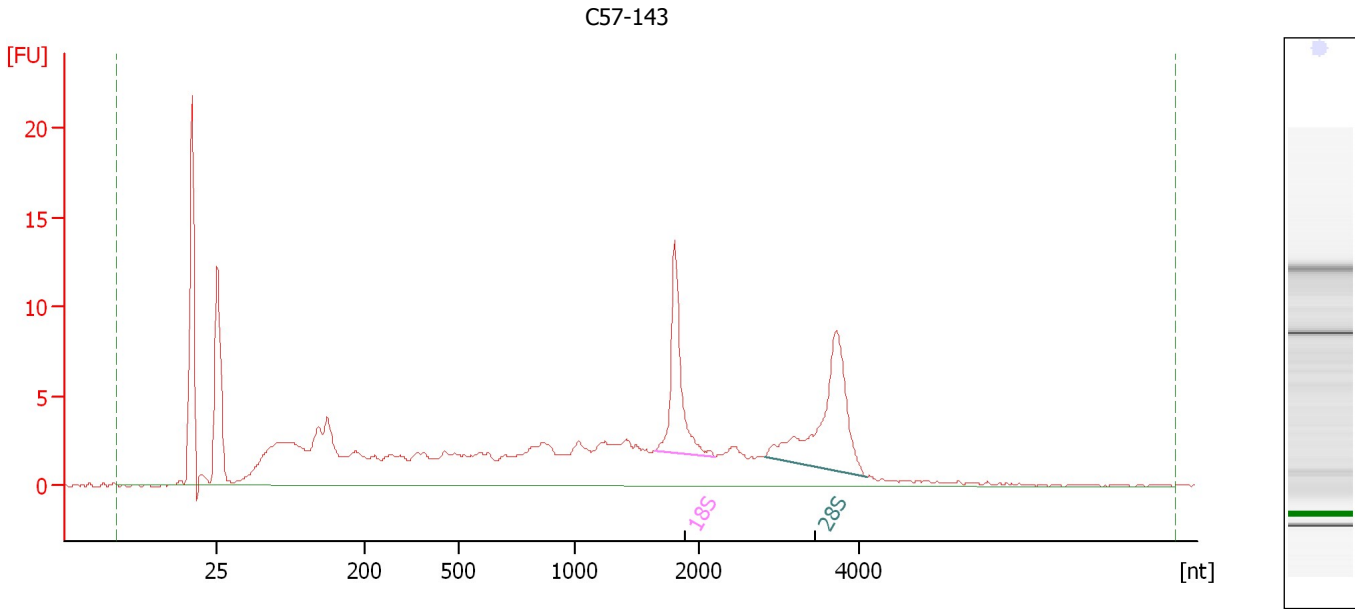
Fragment table for sample 1 : C57-142

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,605	2,221	12.8	5.5
28S	3,430	4,082	7.0	3.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : C57-143

RNA Area:	196.0	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	142 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 6.80

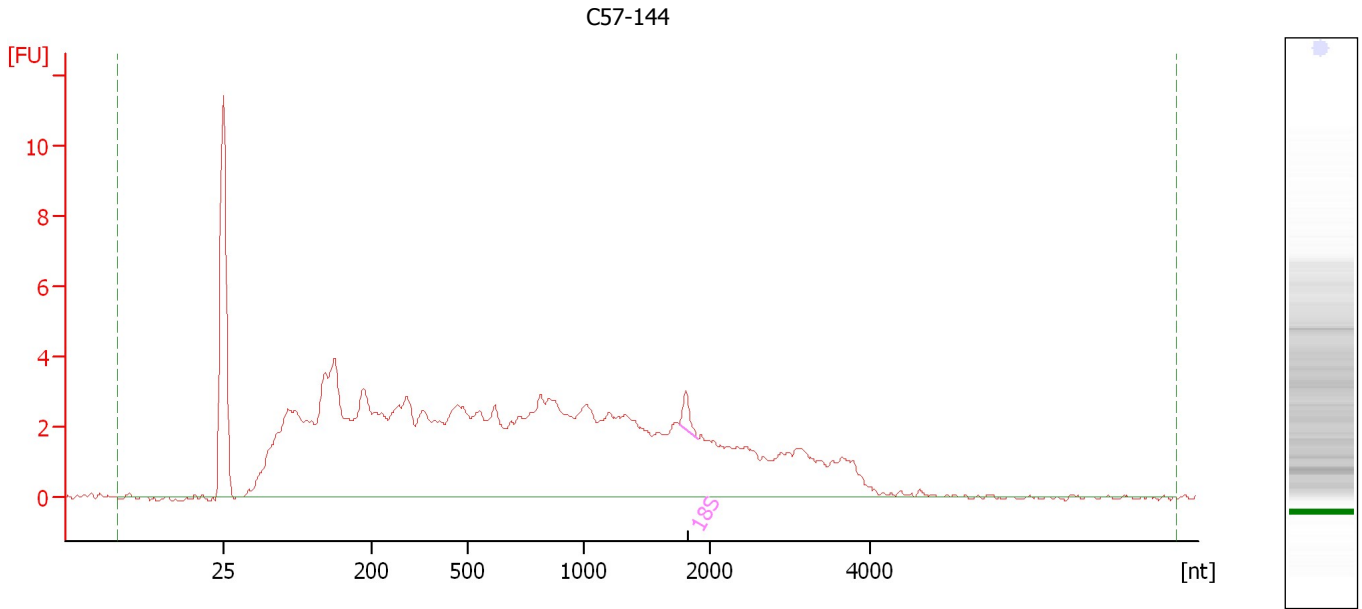
Fragment table for sample 2 : C57-143

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,636	2,195	13.2	6.7
28S	2,829	4,095	20.6	10.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C57-144

RNA Area:	154.7	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	112 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

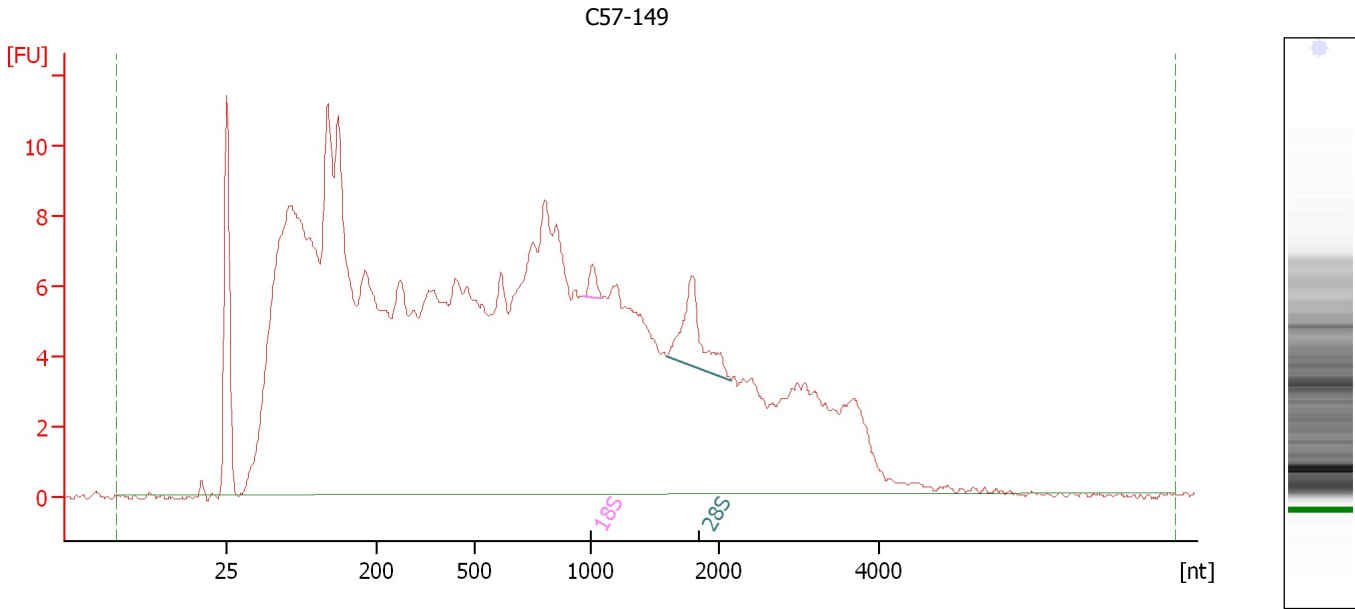
Fragment table for sample 3 : C57-144

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,760	1,905	0.9	0.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : C57-149

RNA Area: 407.4 RNA Integrity Number (RIN): 2.6 (B.02.08)
RNA Concentration: 295 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 5.8 Result Flagging Label: RIN: 2.60

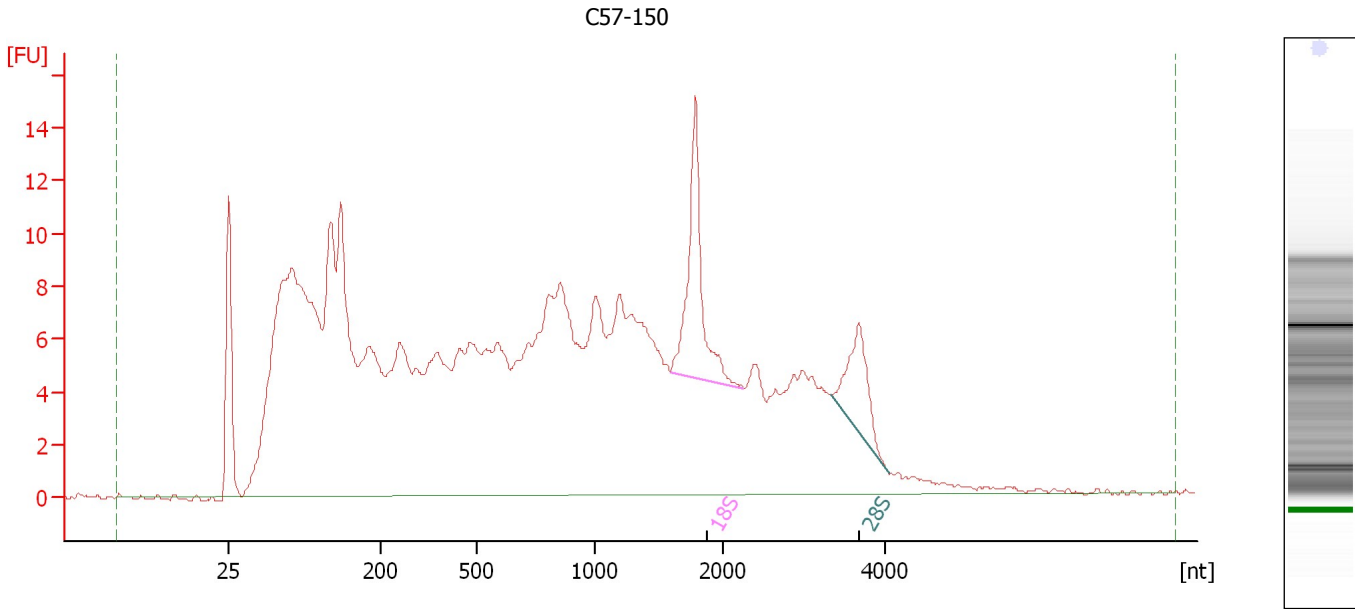
Fragment table for sample 4 : C57-149

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	964	1,077	0.9	0.2
28S	1,598	2,160	5.4	1.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : C57-150

RNA Area: 445.6 RNA Integrity Number (RIN): 4.2 (B.02.08)
RNA Concentration: 323 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 4.20

Fragment table for sample 5 : C57-150

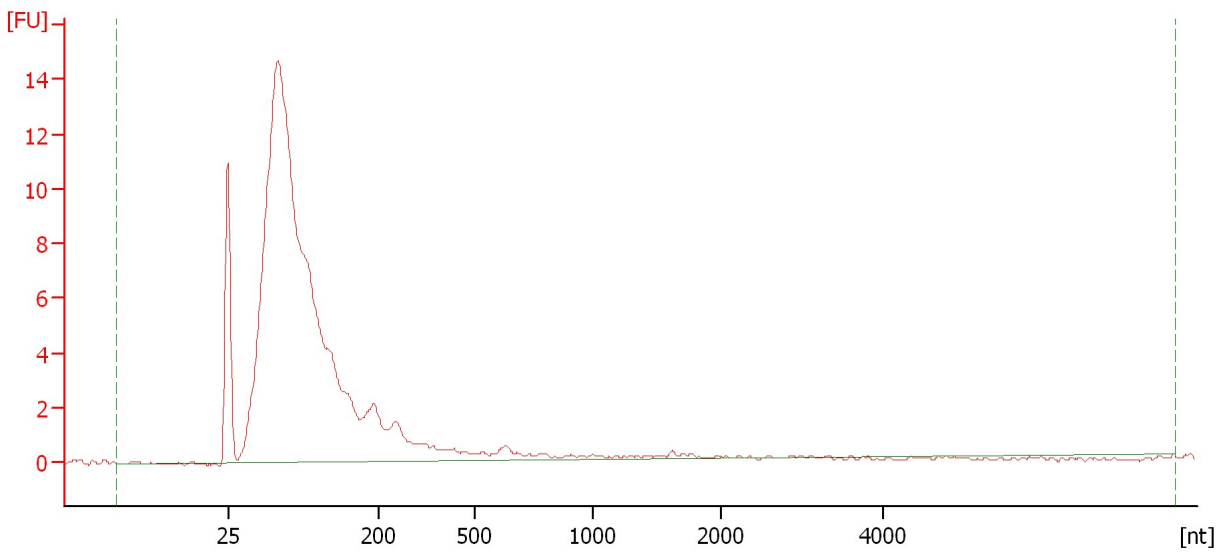
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	2,253	15.3	3.4
28S	3,347	4,045	7.8	1.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary Continued ...

C57-151



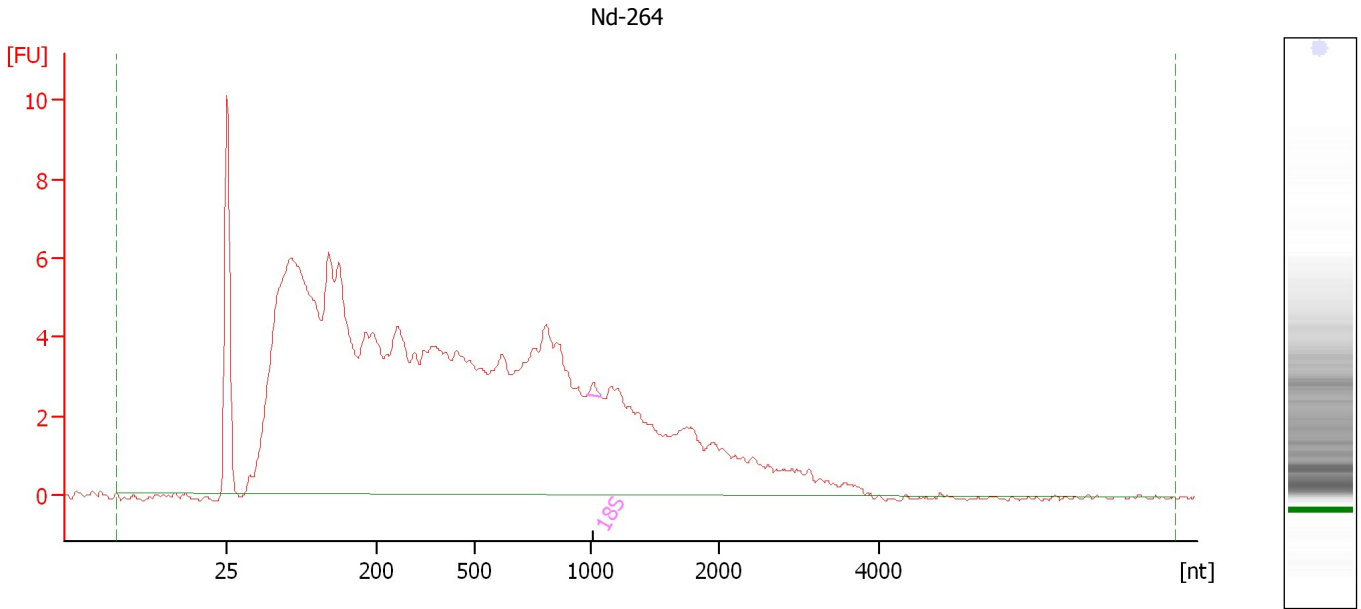
Overall Results for sample 6 : C57-151

RNA Area:	142.9	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	104 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nd-264

RNA Area:	218.4	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	158 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

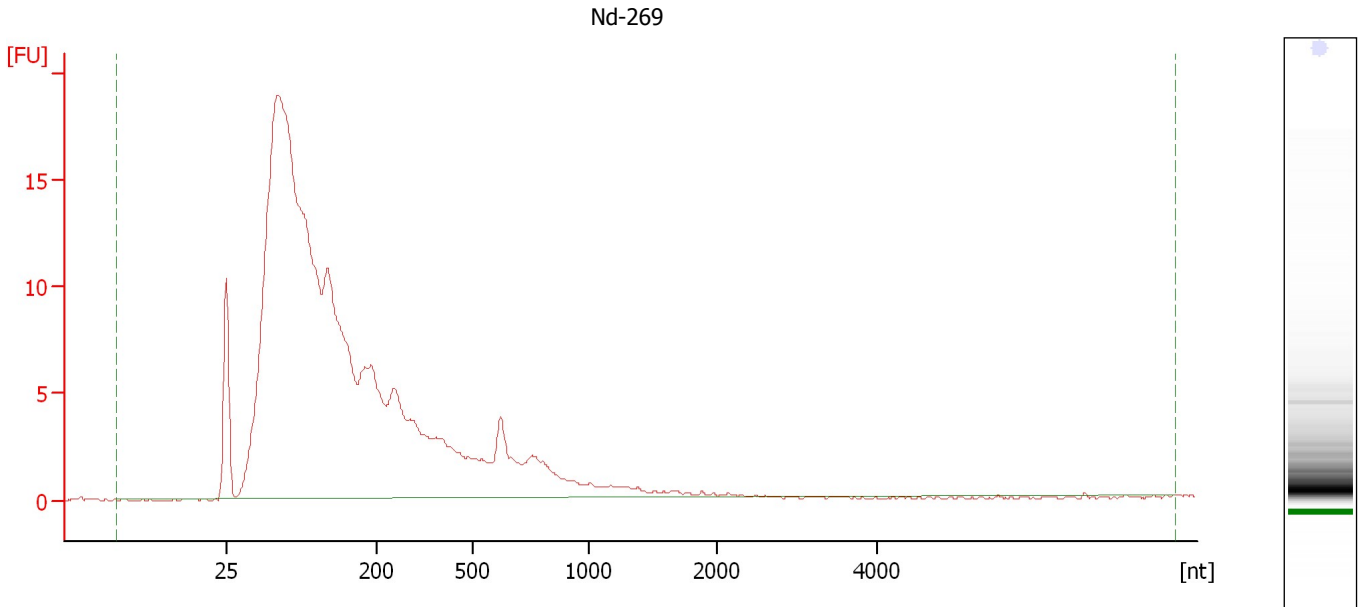
Fragment table for sample 7 : Nd-264

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	982	1,077	0.3	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary Continued ...



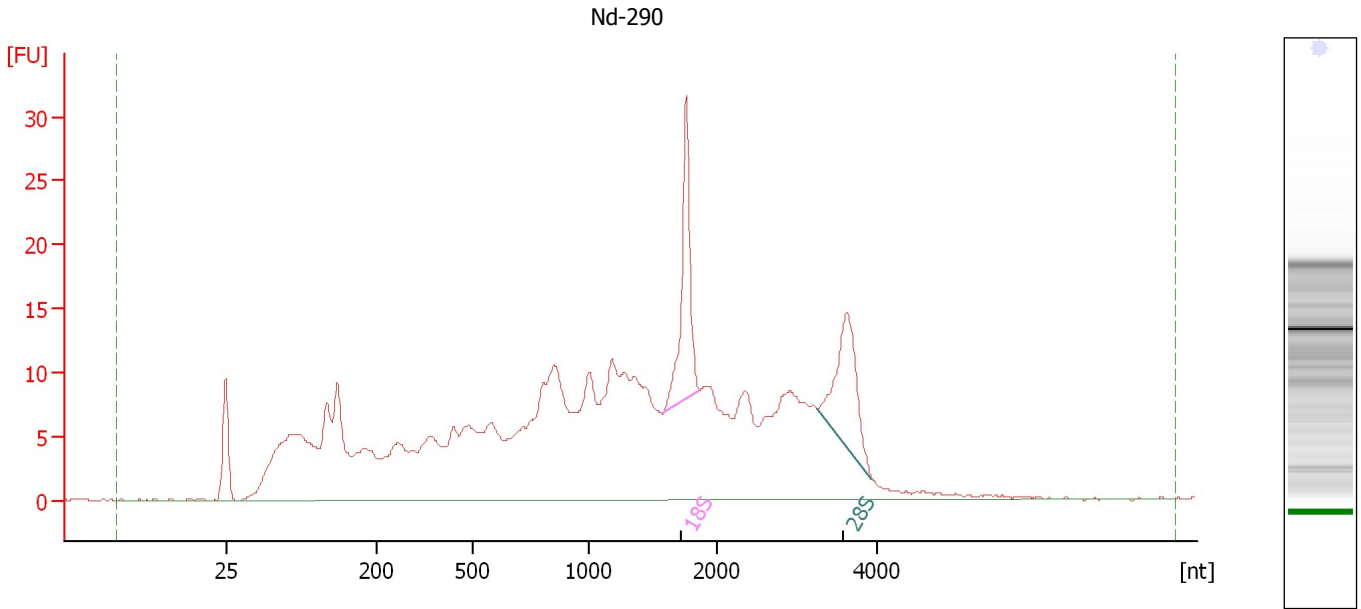
Overall Results for sample 8 : Nd-269

RNA Area:	294.2	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	213 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Nd-290

RNA Area: 498.5 RNA Integrity Number (RIN): 4.9 (B.02.08)
RNA Concentration: 361 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 4.90

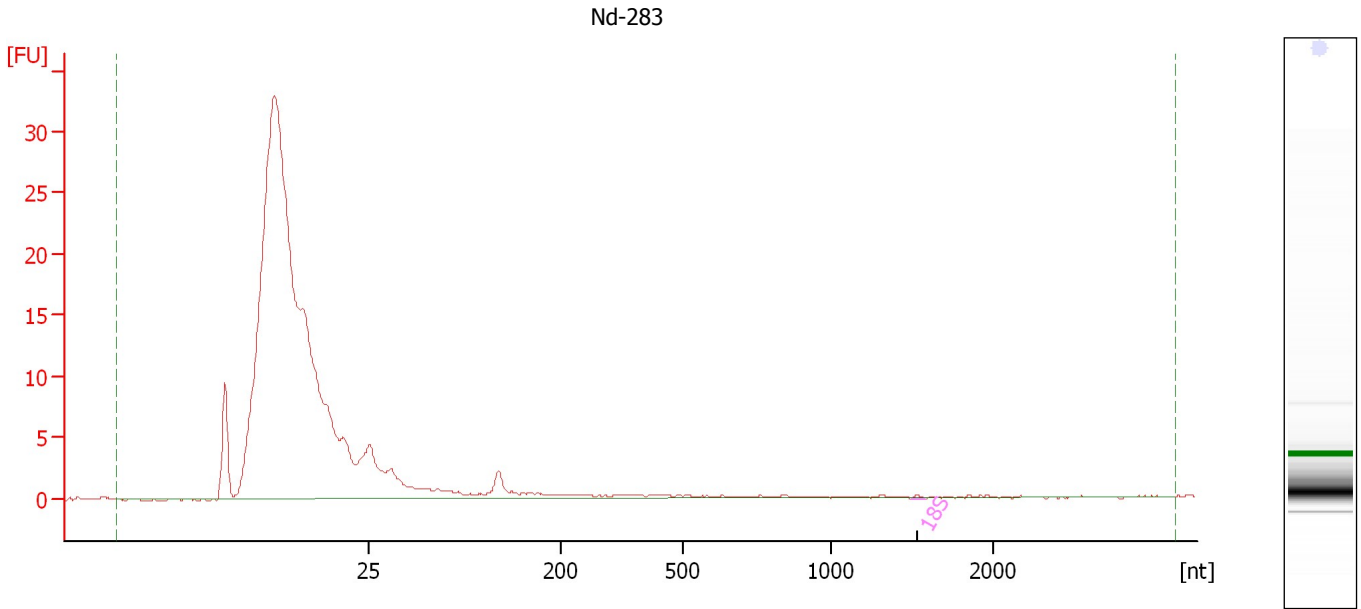
Fragment table for sample 9 : Nd-290

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,579	1,866	23.4	4.7
28S	3,260	3,922	20.8	4.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Nd-283

RNA Area:	298.5	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	216 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

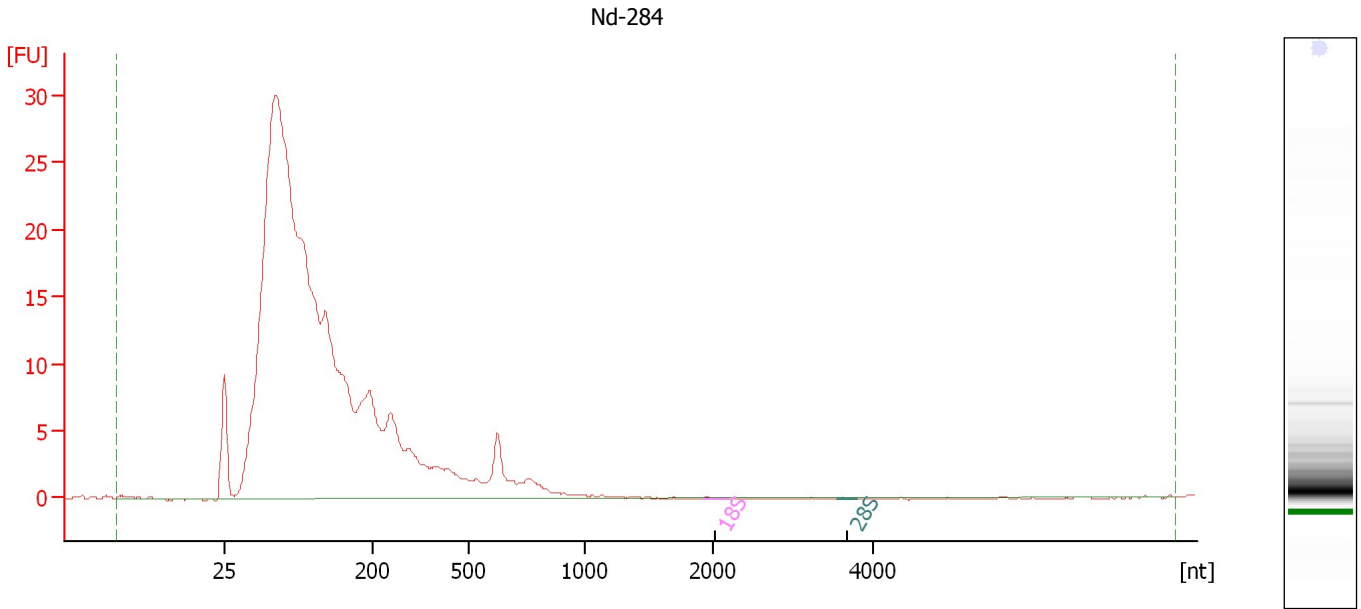
Fragment table for sample 10 : Nd-283

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,491	1,583	0.2	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Nd-284

RNA Area:	379.7	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	275 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 2.40

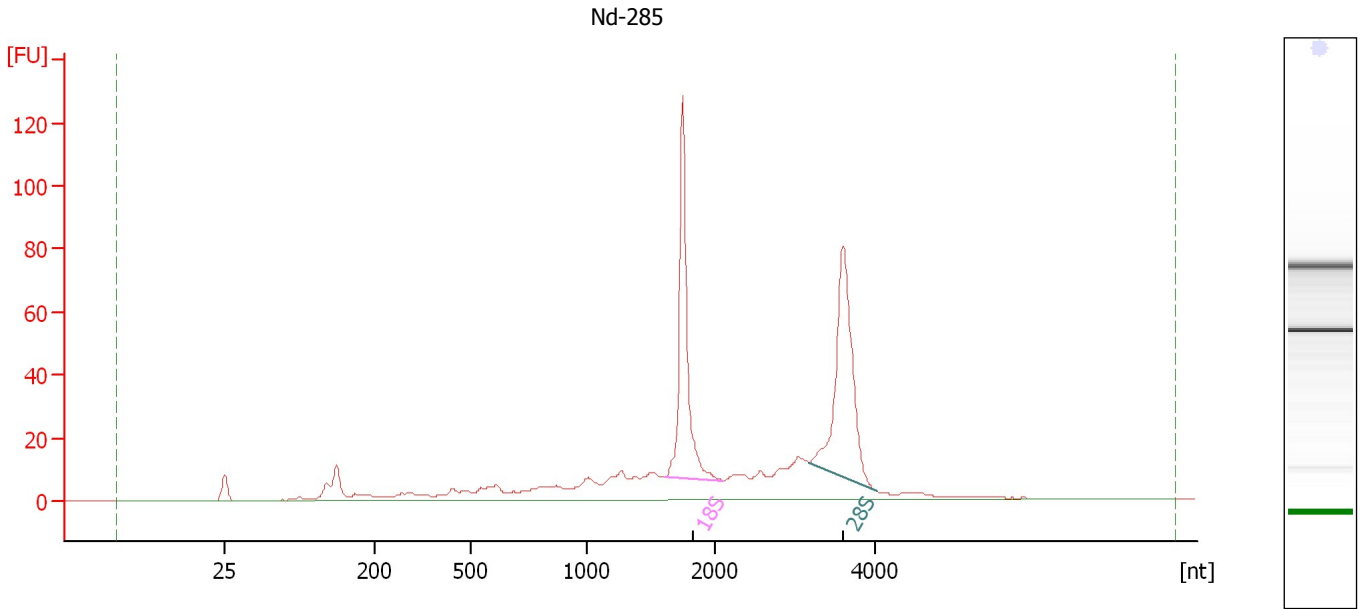
Fragment table for sample 11 : Nd-284

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,931	2,198	0.1	0.0
28S	3,542	3,795	0.1	0.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
 Modified: 5/2/2014 3:52:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Nd-285

RNA Area:	577.7	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	419 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.80

Fragment table for sample 12 : Nd-285

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,612	2,106	113.3	19.6
28S	3,168	4,018	122.5	21.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-02\2014-05-02_006.xad

Created: 5/2/2014 3:29:05 PM
Modified: 5/2/2014 3:52:56 PM

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