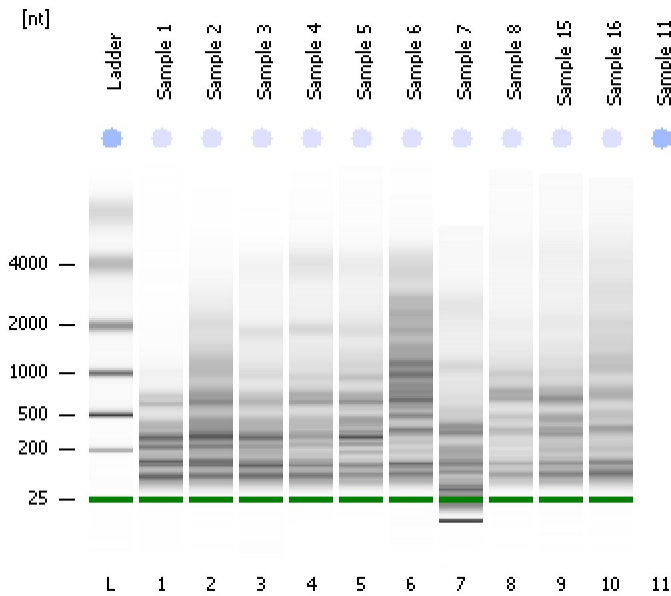


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
 Modified: 5/14/2015 11:29:50 AM

Electrophoresis File Run Summary



Instrument Information:

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

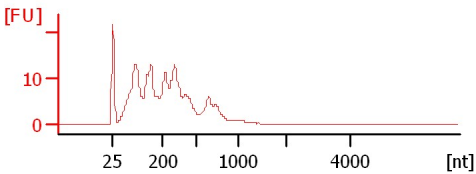
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
 Assay Class: Eukaryote Total RNA Pico
 Version: 2.6
 Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

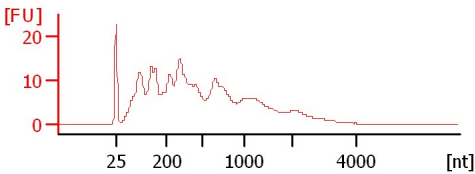
Chip Information:

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

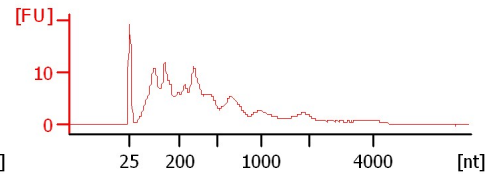
Sample 1
 HiSeq_090: Total RNA QC after cleanup
 RIN: 2.30



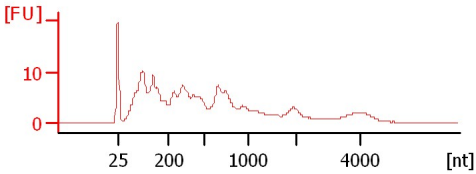
Sample 2
 HiSeq_090: Total RNA QC after cleanup
 RIN: 2.60



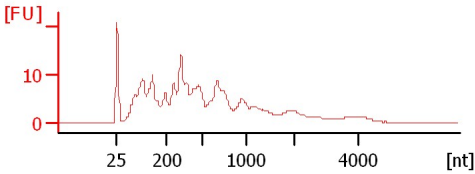
Sample 3
 HiSeq_090: Total RNA QC after cleanup
 RIN: 2.30



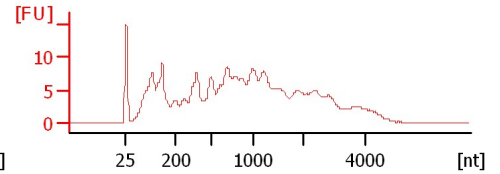
Sample 4
 HiSeq_090: Total RNA QC after cleanup
 RIN: 3.10



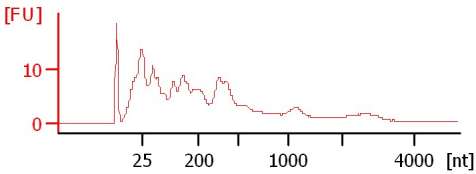
Sample 5
 HiSeq_090: Total RNA QC after cleanup
 RIN: 2.30



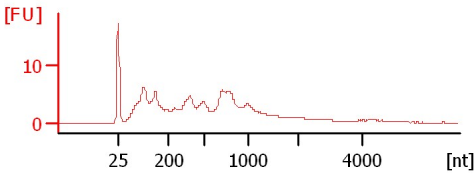
Sample 6
 HiSeq_090: Total RNA QC after cleanup
 RIN: 2.80



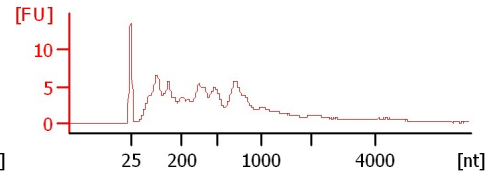
Sample 7
 HiSeq_090: Total RNA QC after cleanup
 RIN: 2.70



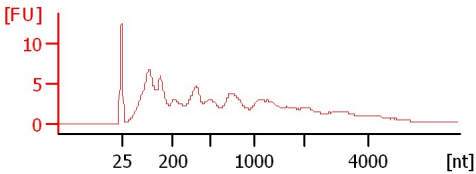
Sample 8
 HiSeq_090: Total RNA QC after cleanup
 RIN: 2.60



Sample 15
 HiSeq_090: Total RNA QC after cleanup
 RIN: 2.30



Sample 16
 HiSeq_090: Total RNA QC after cleanup
 RIN: 2.40



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1	HiSeq_090: Total RNA QC after cleanup	✓	RIN: 2.30	
Sample 2	HiSeq_090: Total RNA QC after cleanup	✓	RIN: 2.60	
Sample 3	HiSeq_090: Total RNA QC after cleanup	✓	RIN: 2.30	
Sample 4	HiSeq_090: Total RNA QC after cleanup	✓	RIN: 3.10	
Sample 5	HiSeq_090: Total RNA QC after cleanup	✓	RIN: 2.30	
Sample 6	HiSeq_090: Total RNA QC after cleanup	✓	RIN: 2.80	
Sample 7	HiSeq_090: Total RNA QC after cleanup	✓	RIN: 2.70	
Sample 8	HiSeq_090: Total RNA QC after cleanup	✓	RIN: 2.60	
Sample 15	HiSeq_090: Total RNA QC after cleanup	✓	RIN: 2.30	
Sample 16	HiSeq_090: Total RNA QC after cleanup	✓	RIN: 2.40	
Sample 11 Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ 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] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

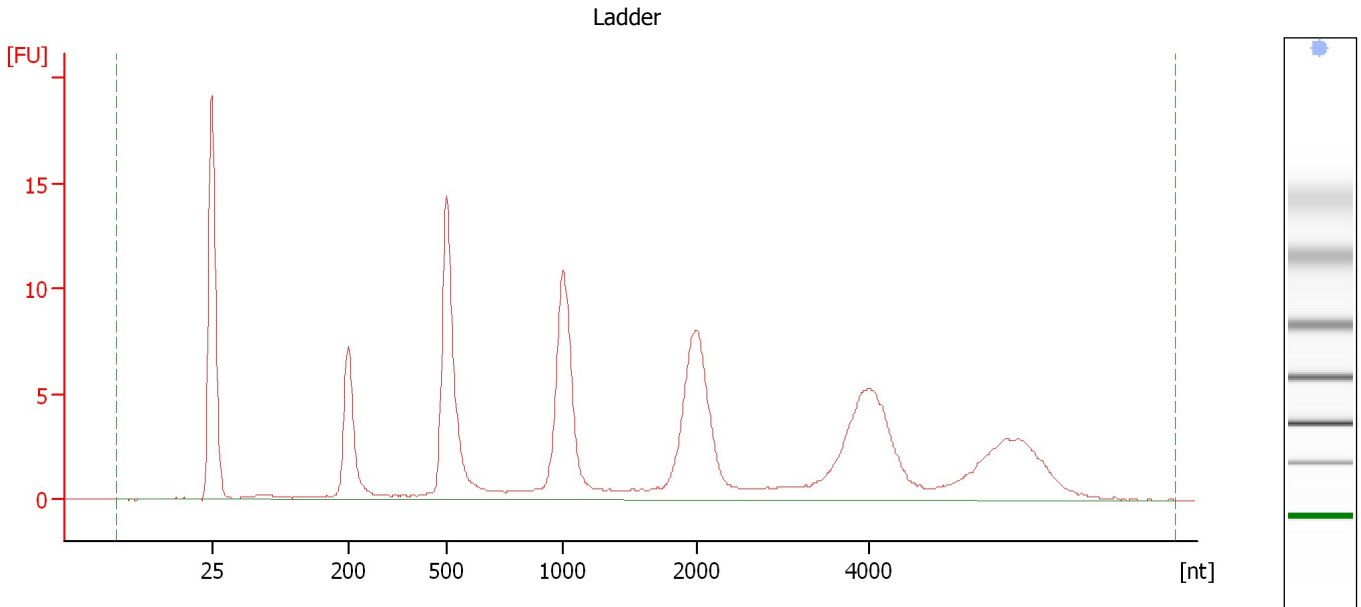
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electropherogram Summary



Overall Results for Ladder

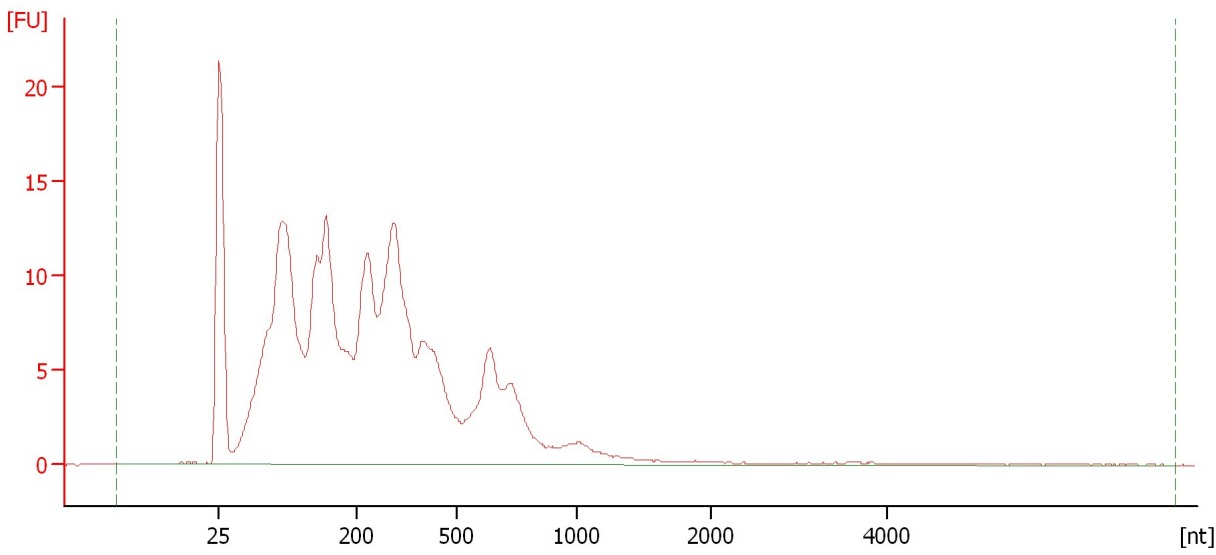
RNA Area:	150.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electropherogram Summary Continued ...

Sample 1 [HiSeq_090: Total RNA QC after cleanup]



Overall Results for sample 1 : Sample 1

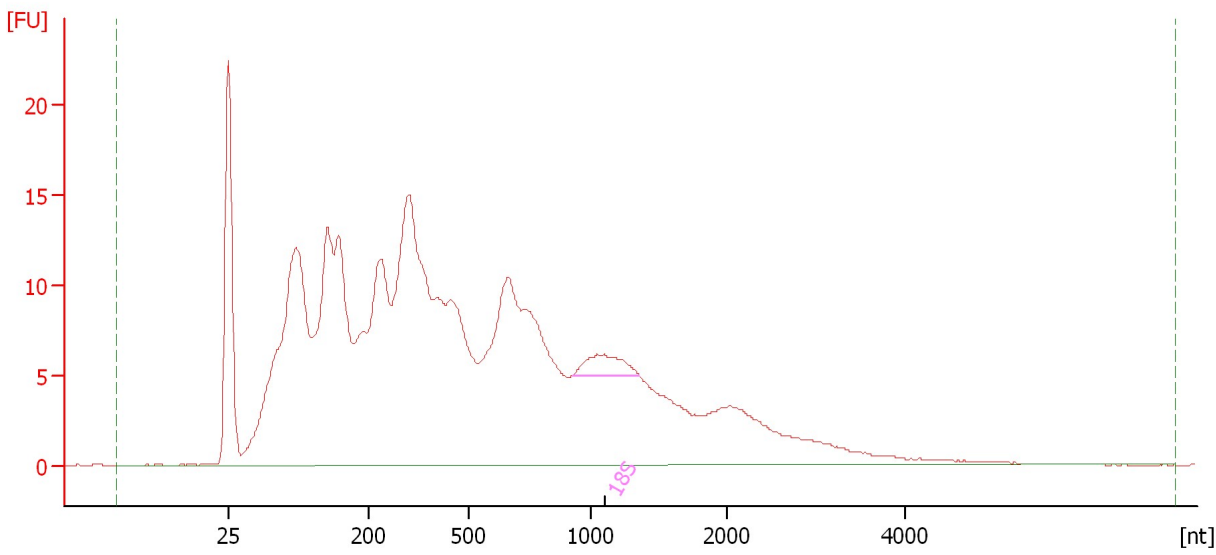
RNA Area:	302.8	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	2,015 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electropherogram Summary Continued ...

Sample 2 [HiSeq_090: Total RNA QC after cleanup]



Overall Results for sample 2 : Sample 2

RNA Area:	490.7	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	3,265 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Fragment table for sample 2 : Sample 2

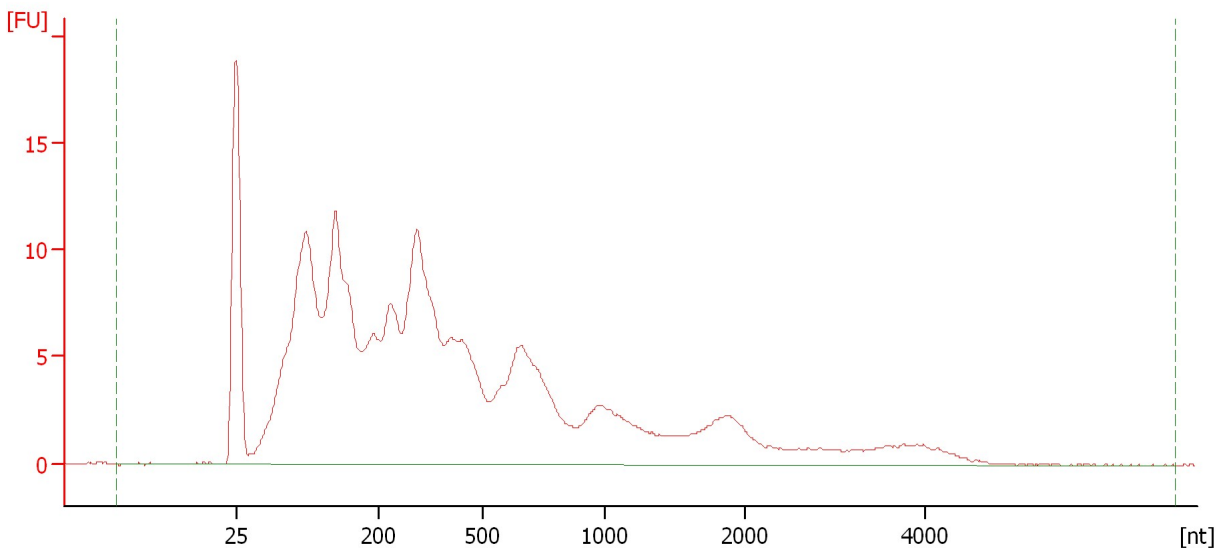
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	923	1,357	5.8	1.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electropherogram Summary Continued ...

Sample 3 [HiSeq_090: Total RNA QC after cleanup]



Overall Results for sample 3 : Sample 3

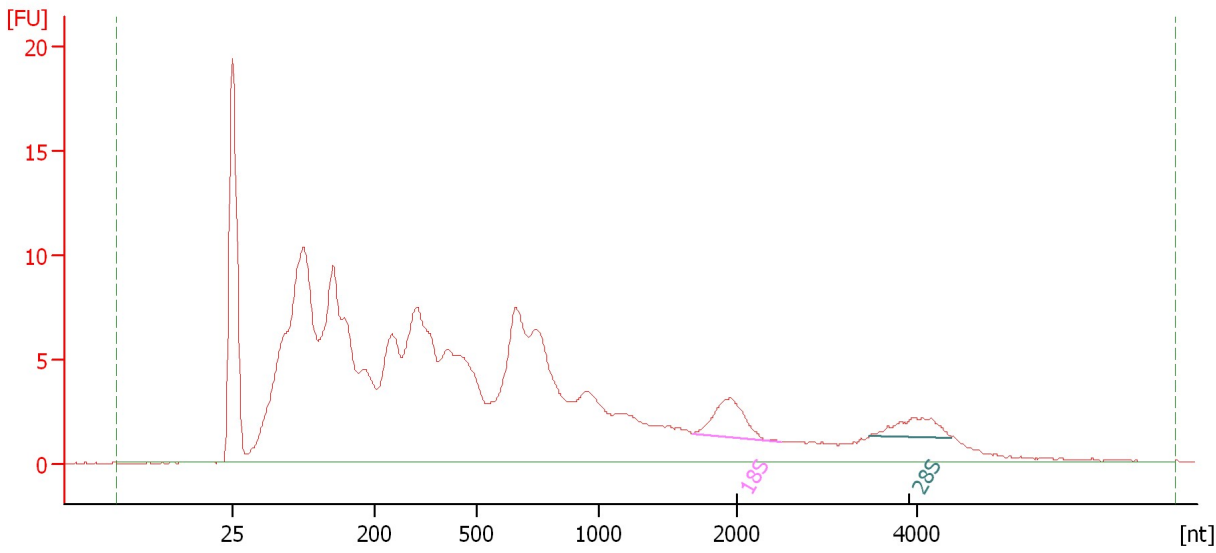
RNA Area:	313.7	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	2,087 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electropherogram Summary Continued ...

Sample 4 [HiSeq_090: Total RNA QC after cleanup]



Overall Results for sample 4 : Sample 4

RNA Area:	314.7	RNA Integrity Number (RIN):	3.1 (B.02.08)
RNA Concentration:	2,094 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 3.10

Fragment table for sample 4 : Sample 4

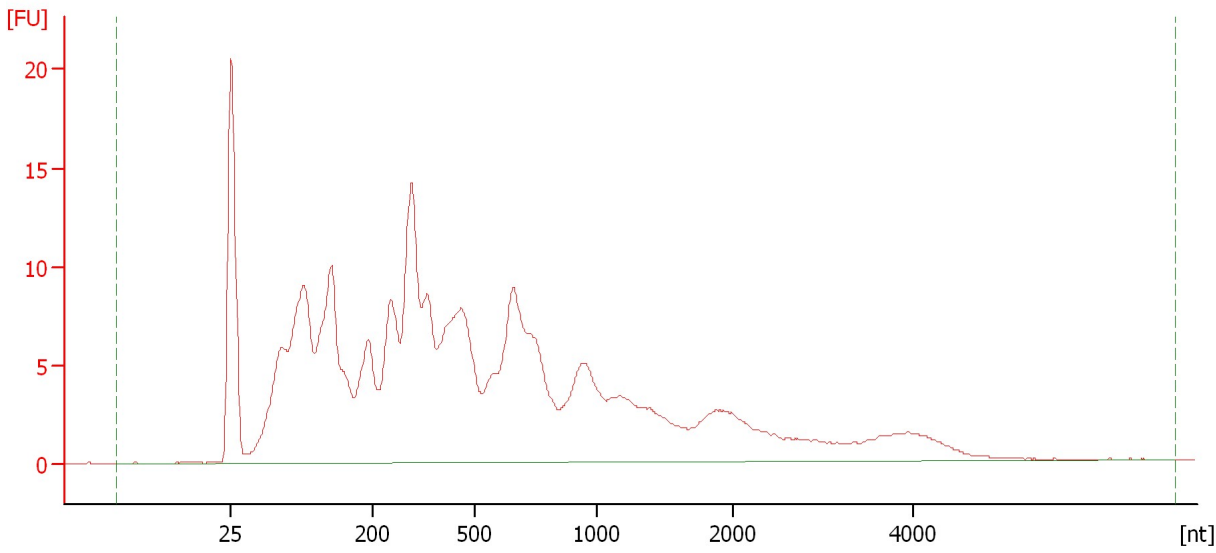
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,675	2,475	6.4	2.0
28S	3,458	4,371	3.7	1.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electropherogram Summary Continued ...

Sample 5 [HiSeq_090: Total RNA QC after cleanup]



Overall Results for sample 5 : Sample 5

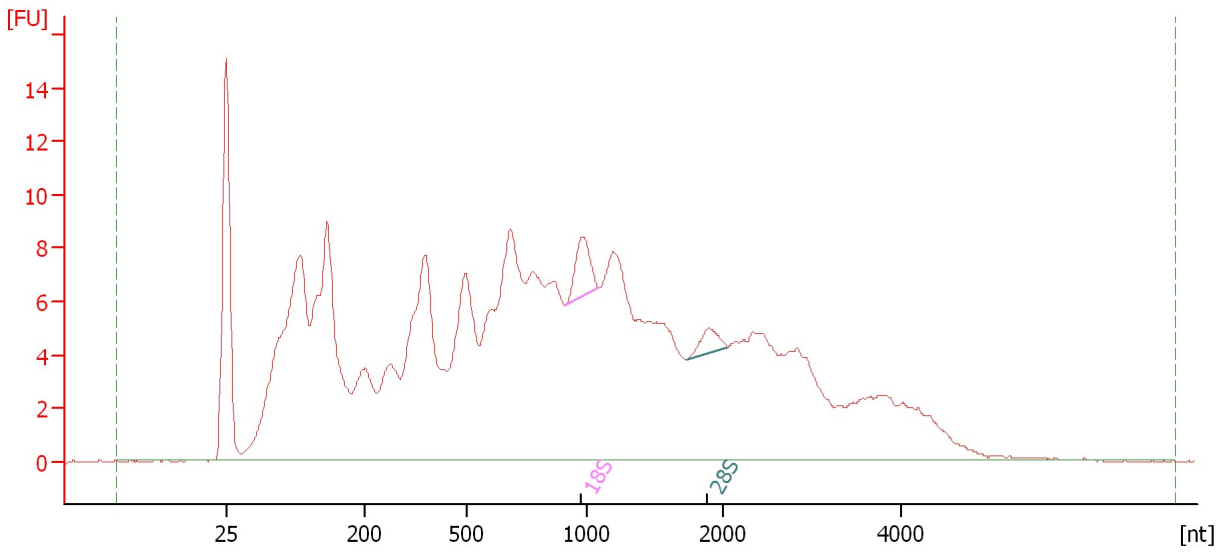
RNA Area:	347.2	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	2,310 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electropherogram Summary Continued ...

Sample 6 [HiSeq_090: Total RNA QC after cleanup]



Overall Results for sample 6 : Sample 6

RNA Area: 383.1 RNA Integrity Number (RIN): 2.8 (B.02.08)
RNA Concentration: 2,550 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 2.80

Fragment table for sample 6 : Sample 6

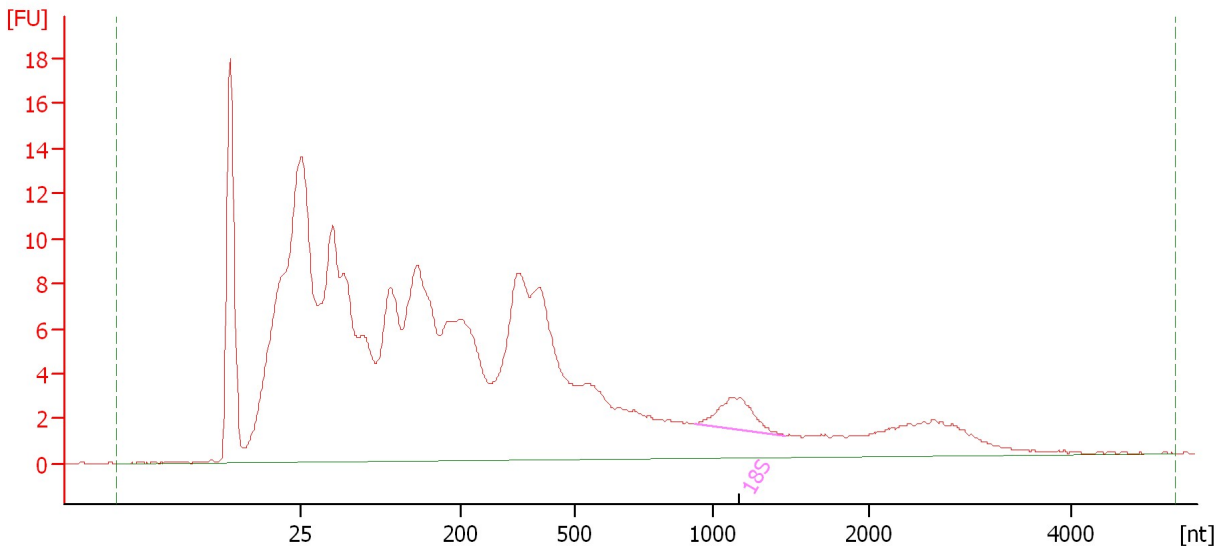
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	911	1,086	4.2	1.1
28S	1,730	2,044	1.9	0.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electropherogram Summary Continued ...

Sample 7 [HiSeq_090: Total RNA QC after cleanup]



Overall Results for sample 7 : Sample 7

RNA Area:	316.4	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	2,105 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

Fragment table for sample 7 : Sample 7

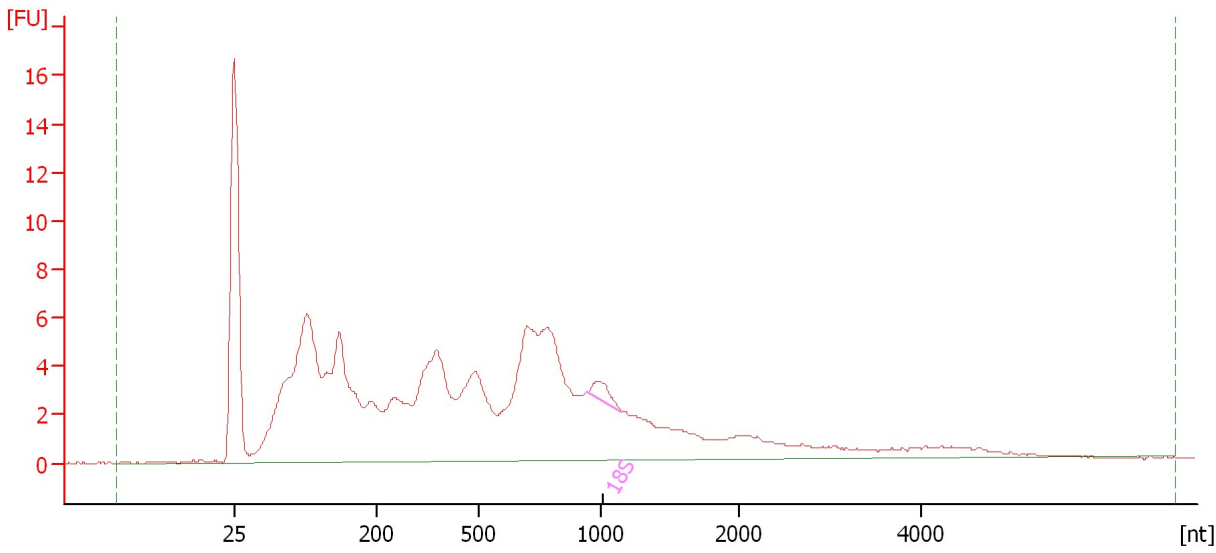
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	930	1,460	5.8	1.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electropherogram Summary Continued ...

Sample 8 [HiSeq_090: Total RNA QC after cleanup]



Overall Results for sample 8 : Sample 8

RNA Area:	192.4	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	1,280 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Fragment table for sample 8 : Sample 8

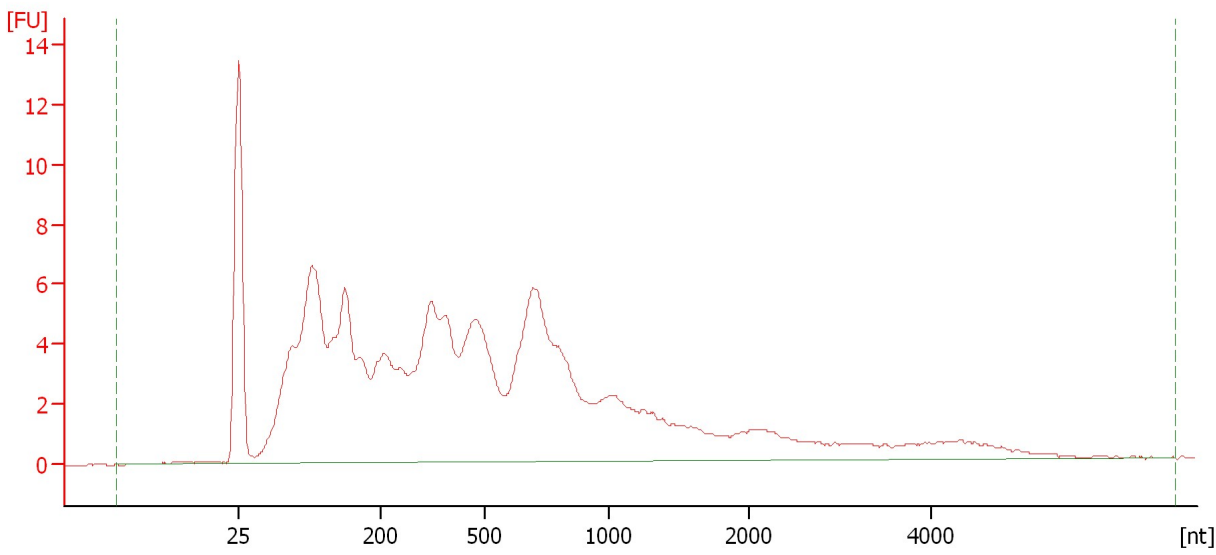
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	937	1,143	1.7	0.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electropherogram Summary Continued ...

Sample 15 [HiSeq_090: Total RNA QC after cleanup]



Overall Results for sample 9 : Sample 15

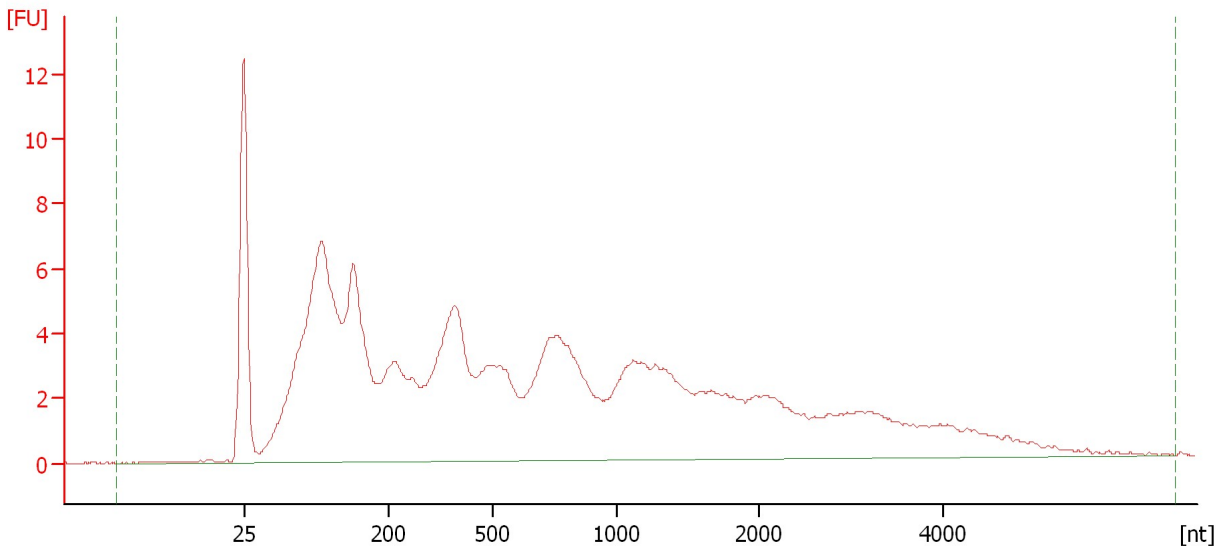
RNA Area:	208.3	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,386 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Electropherogram Summary Continued ...

Sample 16 [HiSeq_090: Total RNA QC after cleanup]



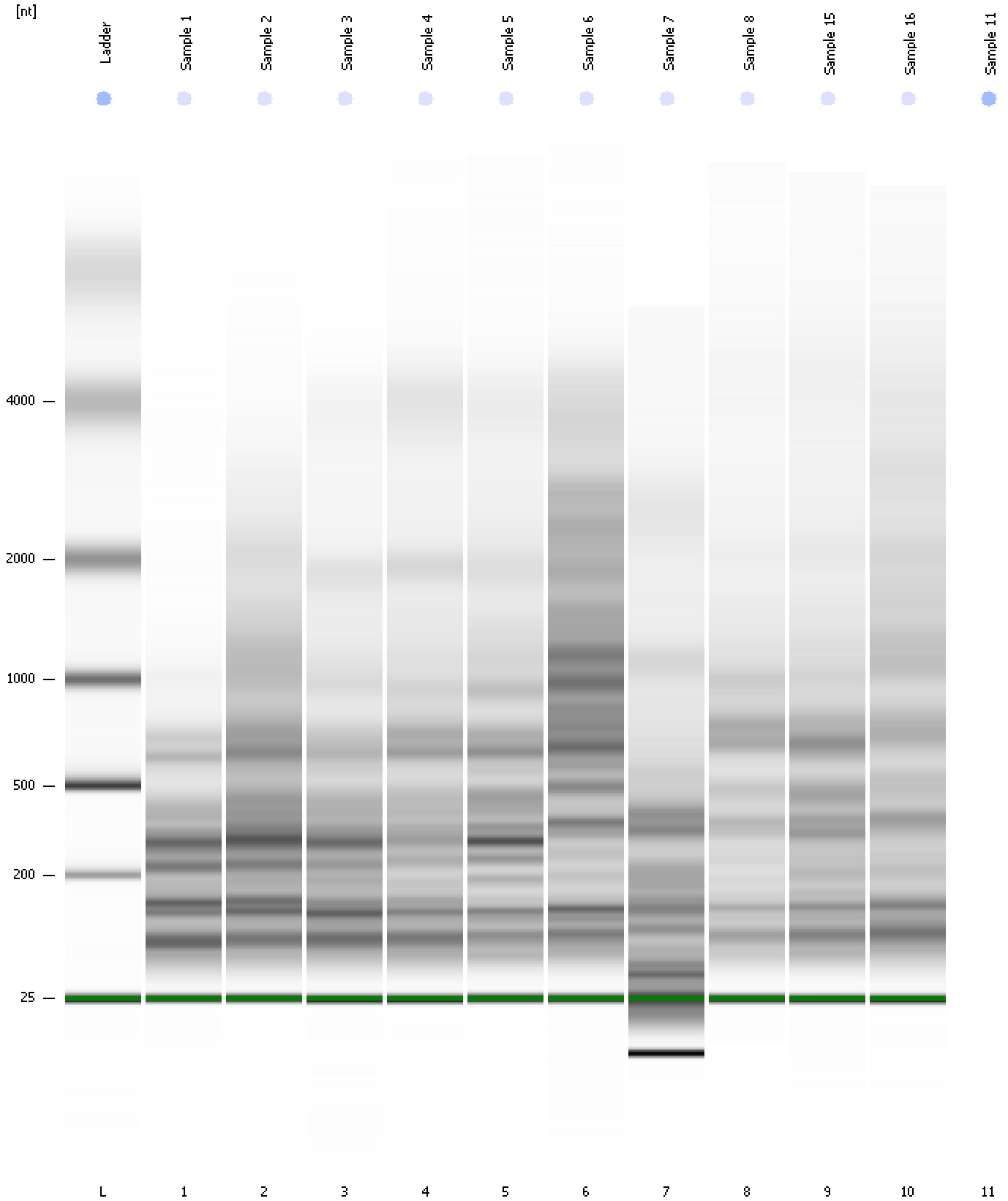
Overall Results for sample 10 : Sample 16

RNA Area:	218.0	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,451 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-14\2015-05-14_002.xad

Created: 5/14/2015 11:08:21 AM
Modified: 5/14/2015 11:29:50 AM

Invalid Samples

Sample 11 has not been run, no results available.