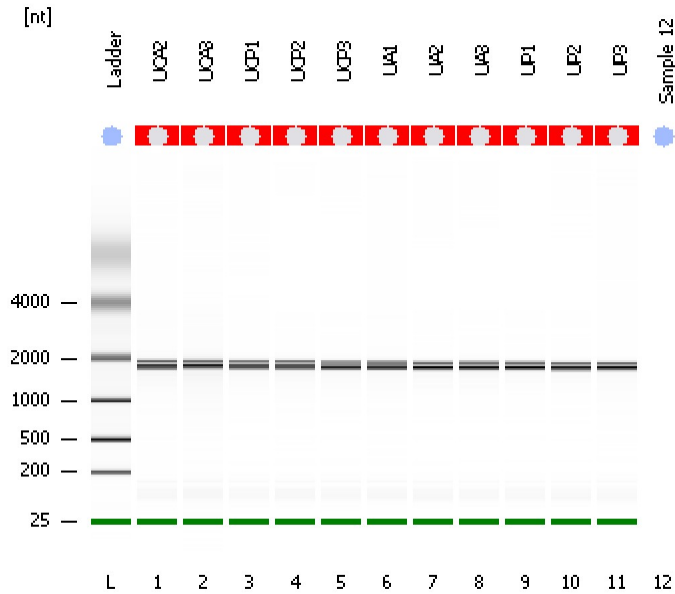


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electrophoresis File Run Summary



Instrument Information:

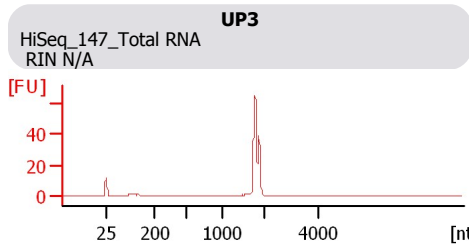
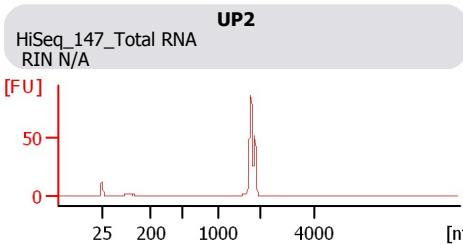
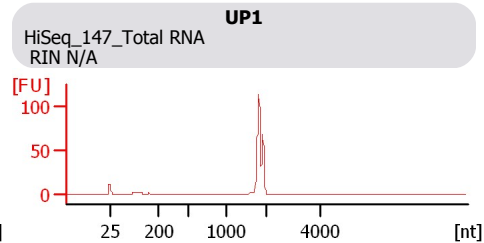
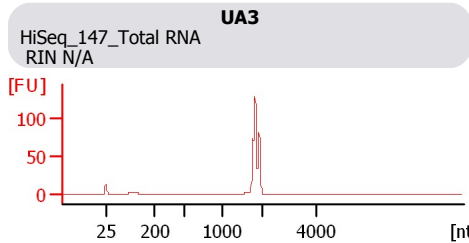
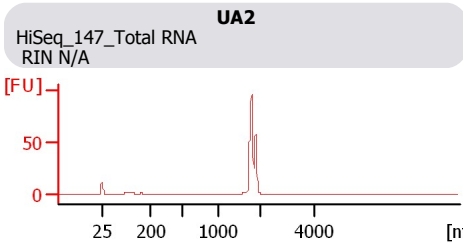
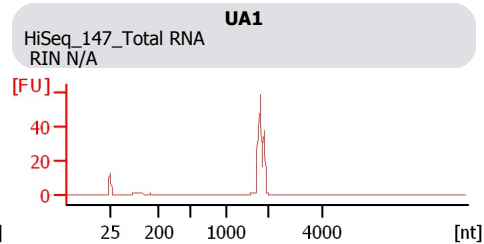
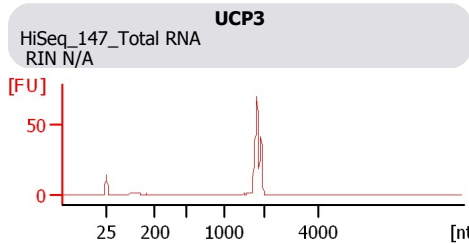
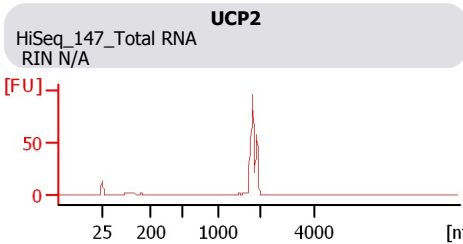
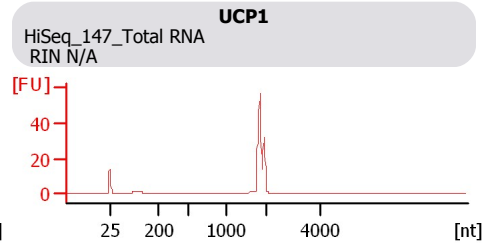
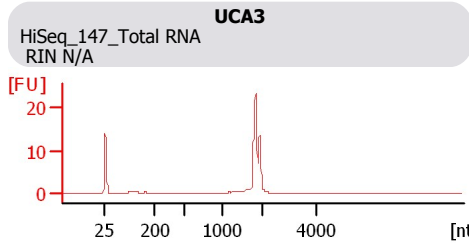
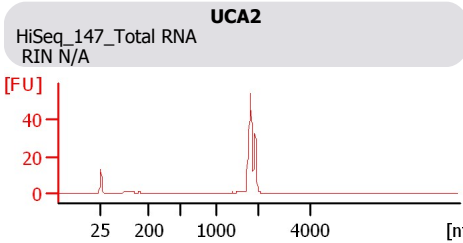
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
UCA2	HiSeq_147_Total RNA	✓	RIN N/A	
UCA3	HiSeq_147_Total RNA	✓	RIN N/A	
UCP1	HiSeq_147_Total RNA	✓	RIN N/A	
UCP2	HiSeq_147_Total RNA	✓	RIN N/A	
UCP3	HiSeq_147_Total RNA	✓	RIN N/A	
UA1	HiSeq_147_Total RNA	✓	RIN N/A	
UA2	HiSeq_147_Total RNA	✓	RIN N/A	
UA3	HiSeq_147_Total RNA	✓	RIN N/A	
UP1	HiSeq_147_Total RNA	✓	RIN N/A	
UP2	HiSeq_147_Total RNA	✓	RIN N/A	
UP3	HiSeq_147_Total RNA	✓	RIN N/A	
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 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/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 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

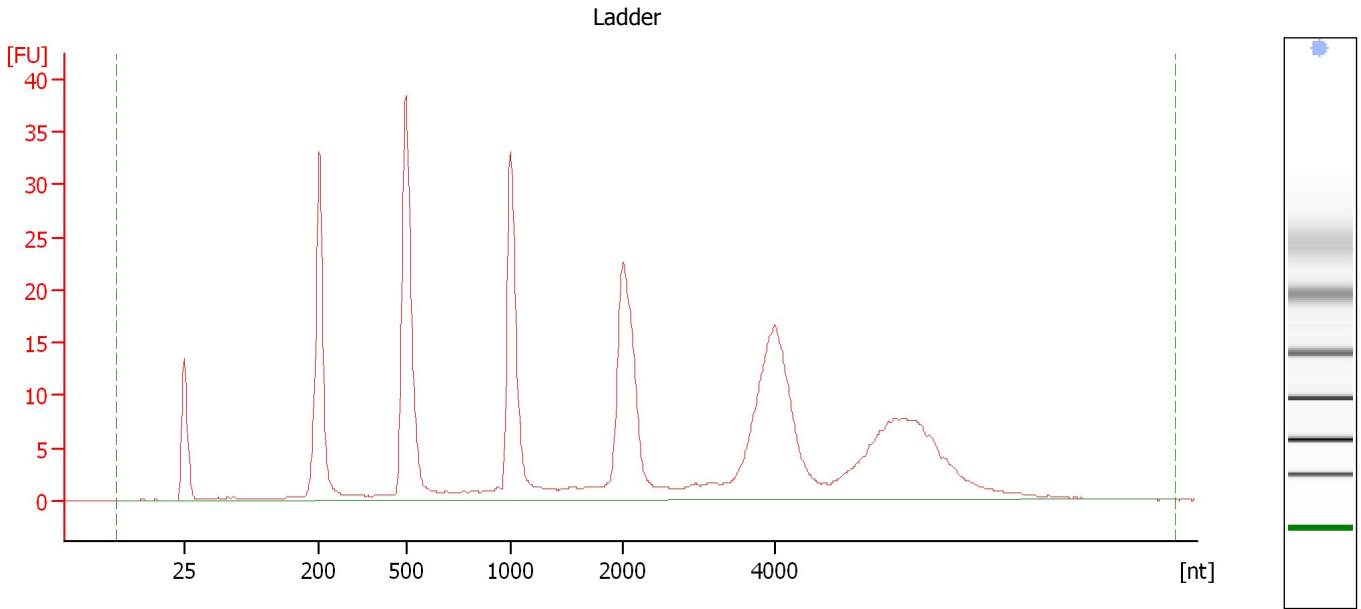
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary



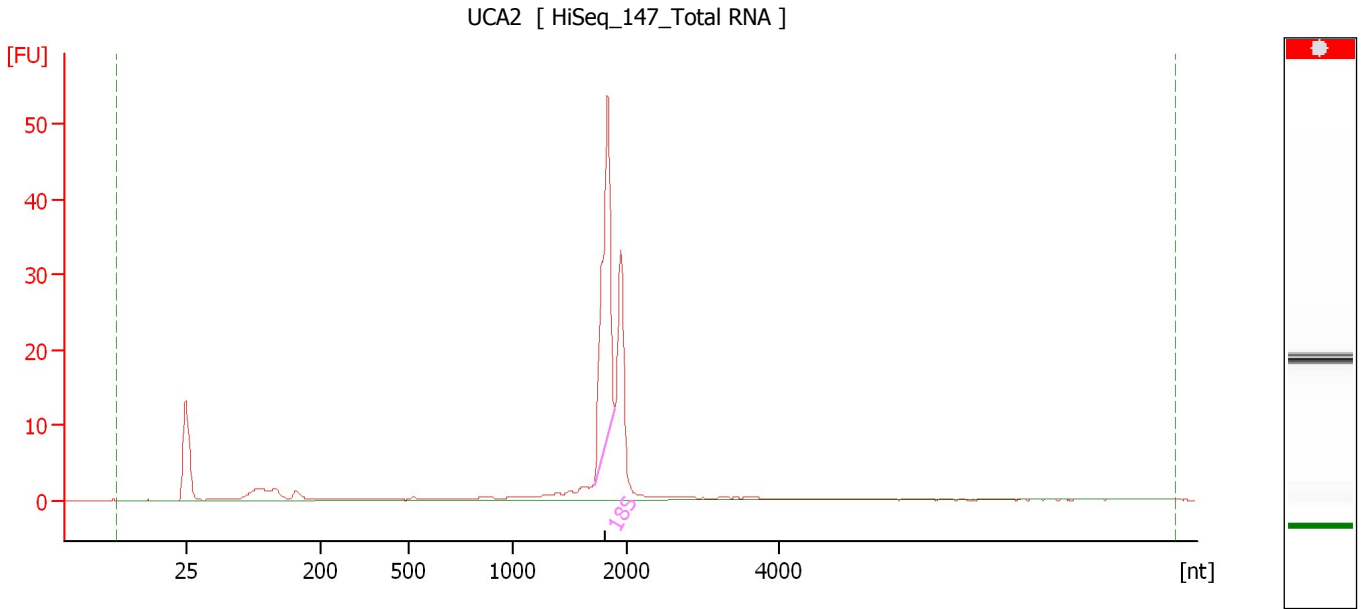
Overall Results for Ladder

RNA Area:	365.7	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : UCA2

RNA Area:	123.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	51 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

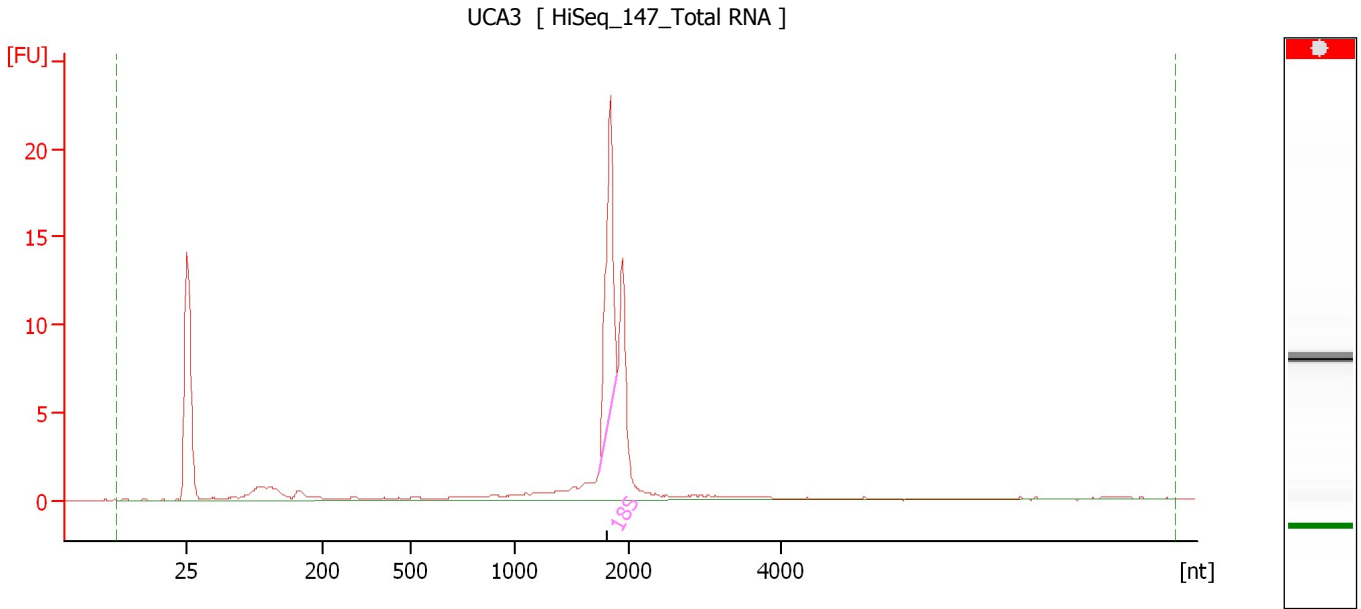
Fragment table for sample 1 : UCA2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	1,889	47.6	38.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : UCA3

RNA Area:	57.8	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

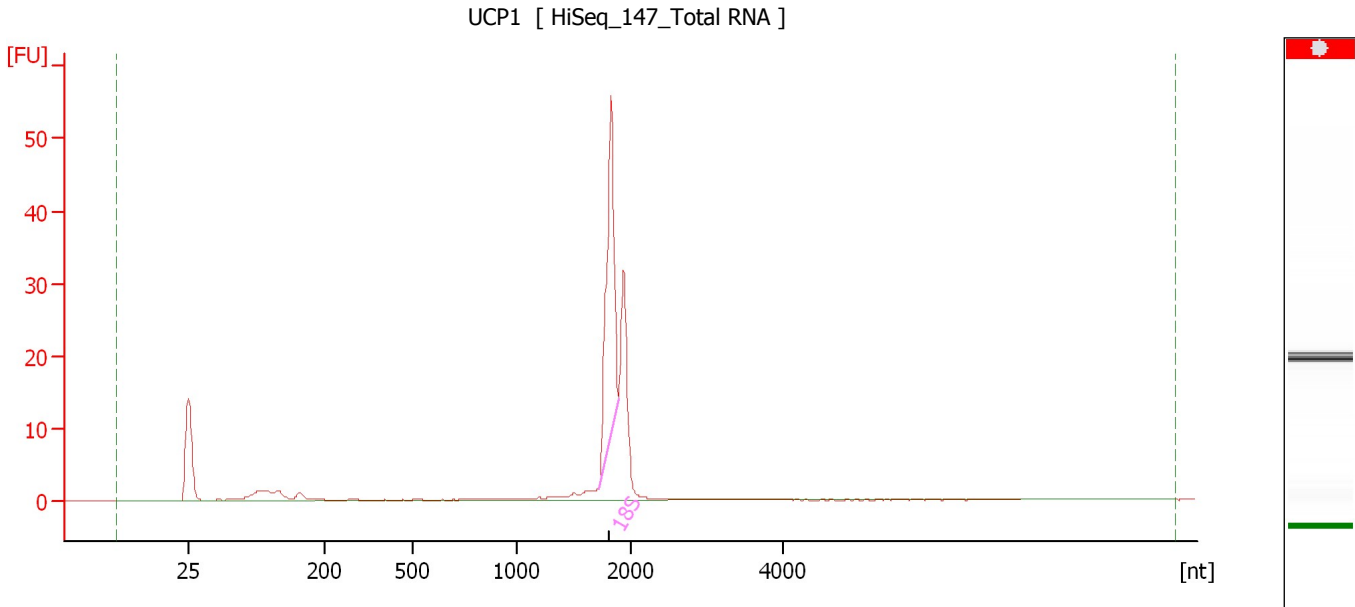
Fragment table for sample 2 : UCA3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,730	1,890	16.9	29.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : UCP1

RNA Area:	112.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	46 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

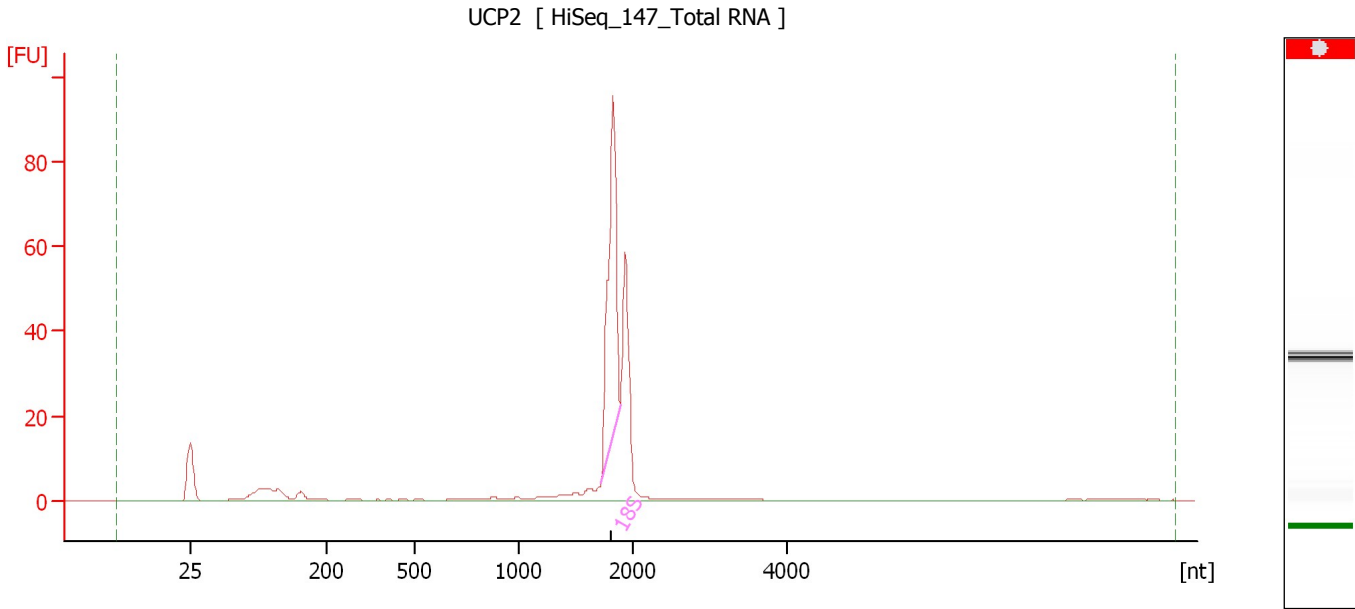
Fragment table for sample 3 : UCP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	1,881	43.9	39.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : UCP2

RNA Area:	197.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	81 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

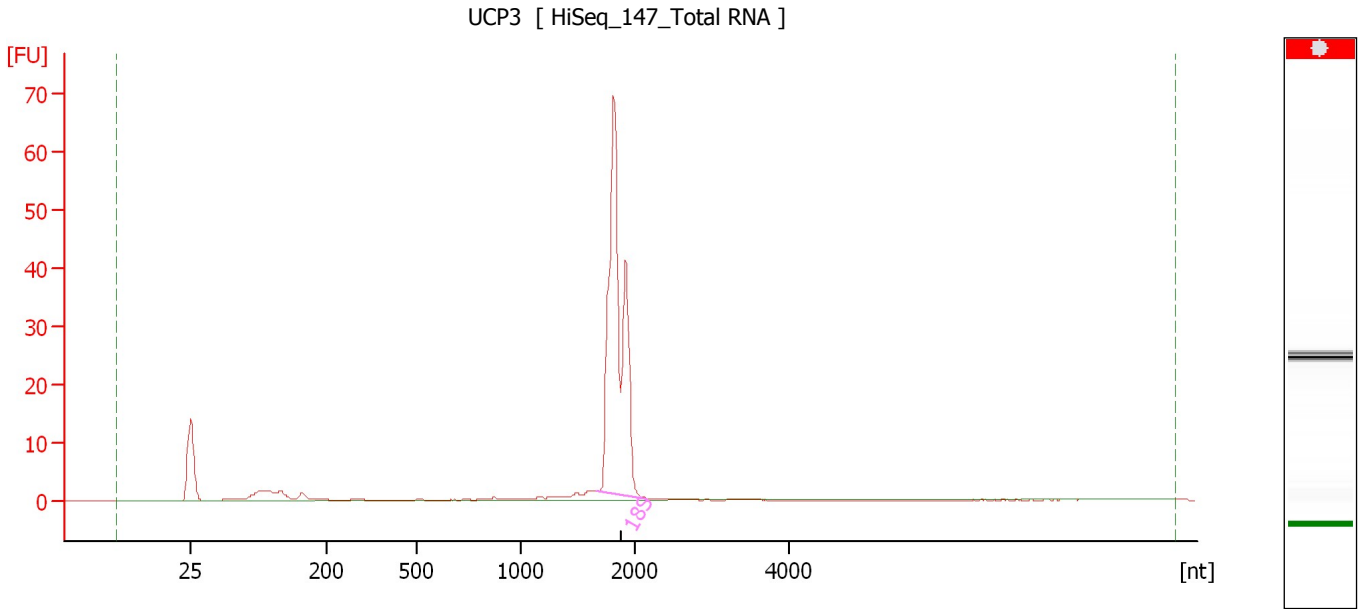
Fragment table for sample 4 : UCP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,715	1,883	77.5	39.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : UCP3

RNA Area:	138.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	57 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

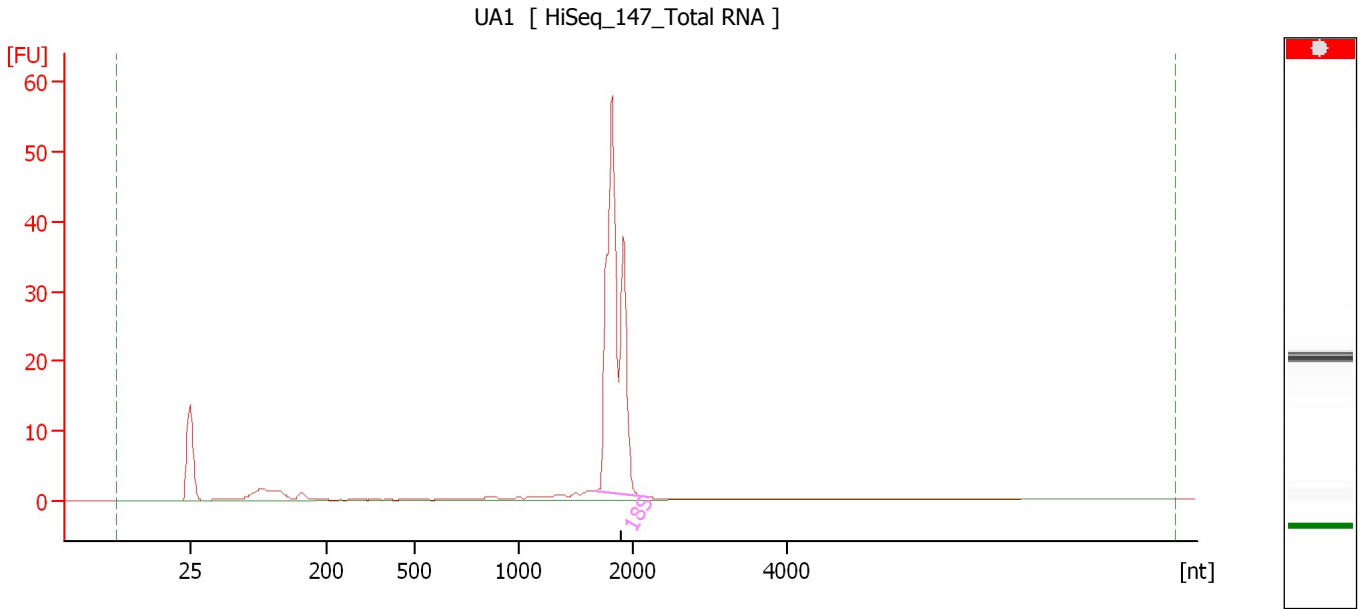
Fragment table for sample 5 : UCP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	2,133	107.1	77.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : UA1

RNA Area:	125.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	51 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

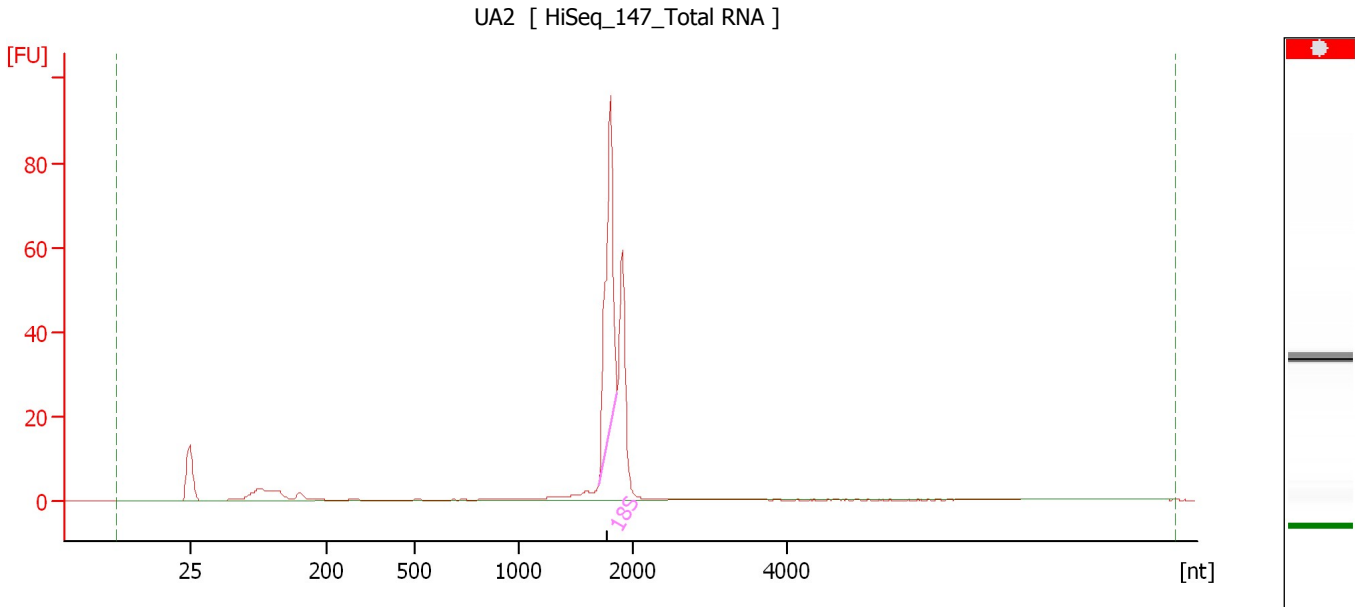
Fragment table for sample 6 : UA1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,668	2,188	94.3	75.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : UA2

RNA Area:	197.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	81 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

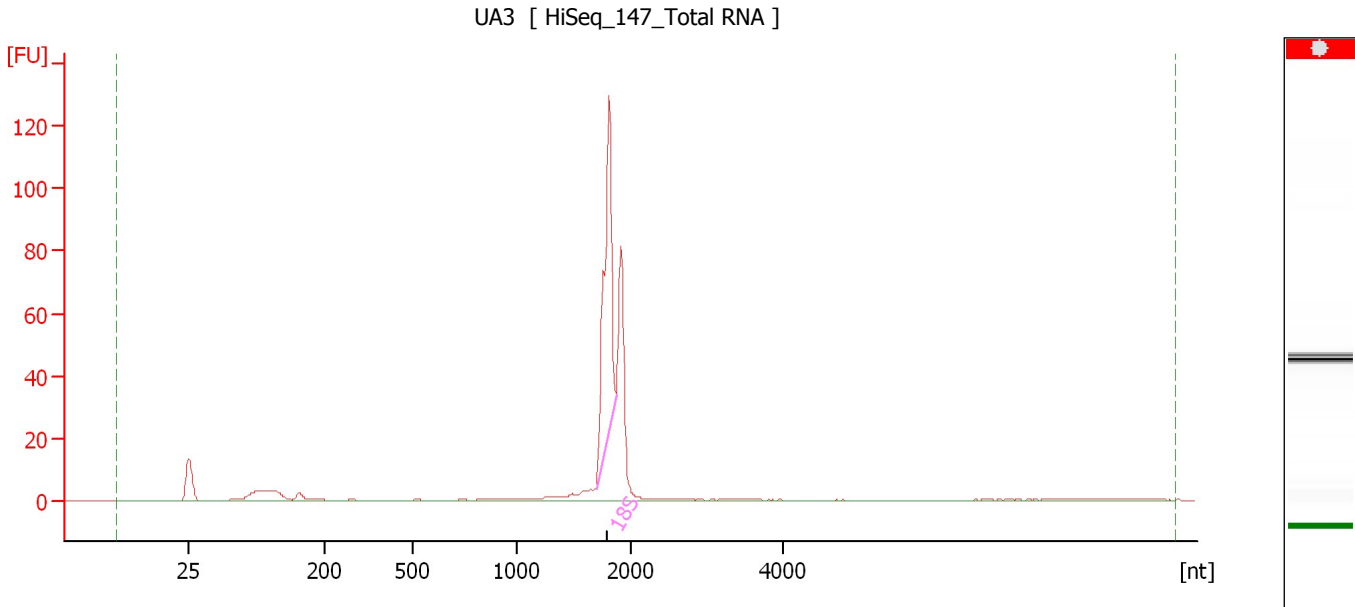
Fragment table for sample 7 : UA2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	1,855	74.4	37.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : UA3

RNA Area:	270.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	111 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

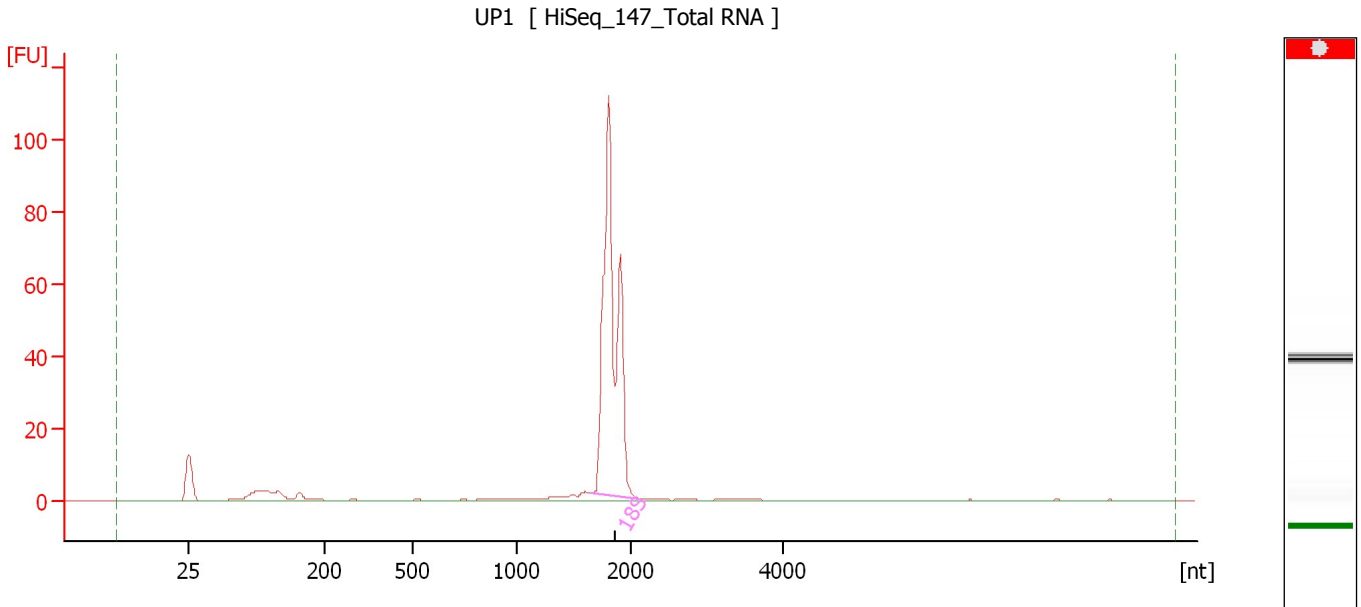
Fragment table for sample 8 : UA3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,694	1,863	104.6	38.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
 Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : UP1

RNA Area:	230.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	95 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

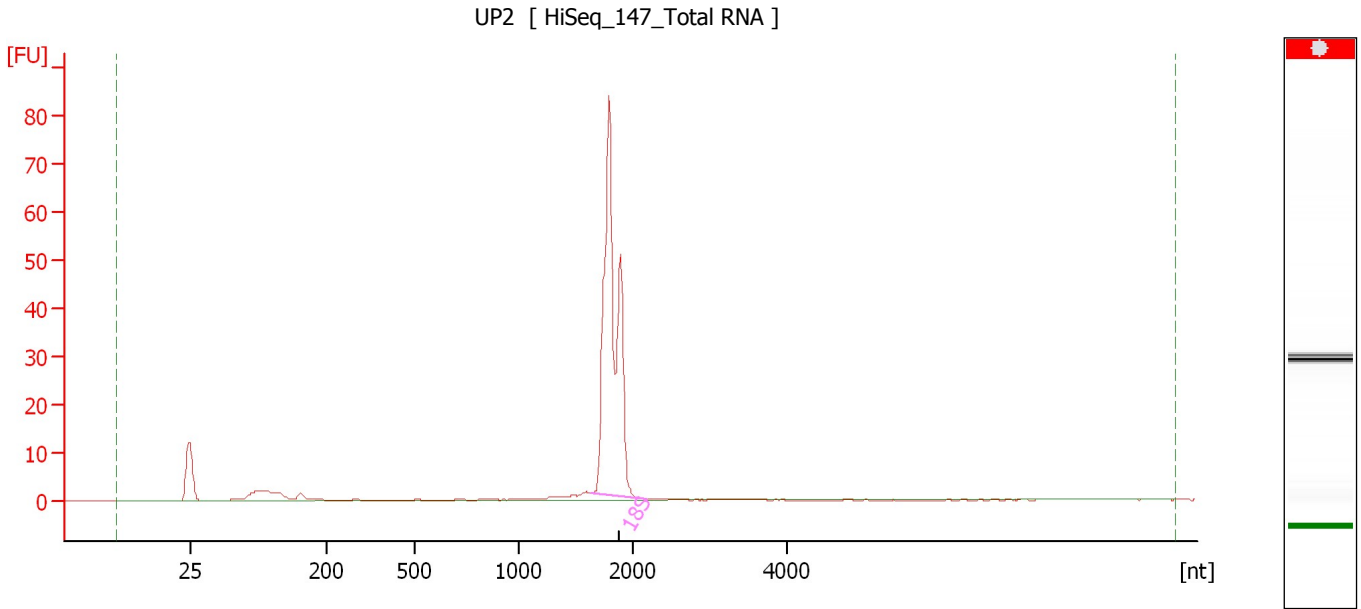
Fragment table for sample 9 : UP1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,648	2,103	176.0	76.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : UP2

RNA Area:	170.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	70 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

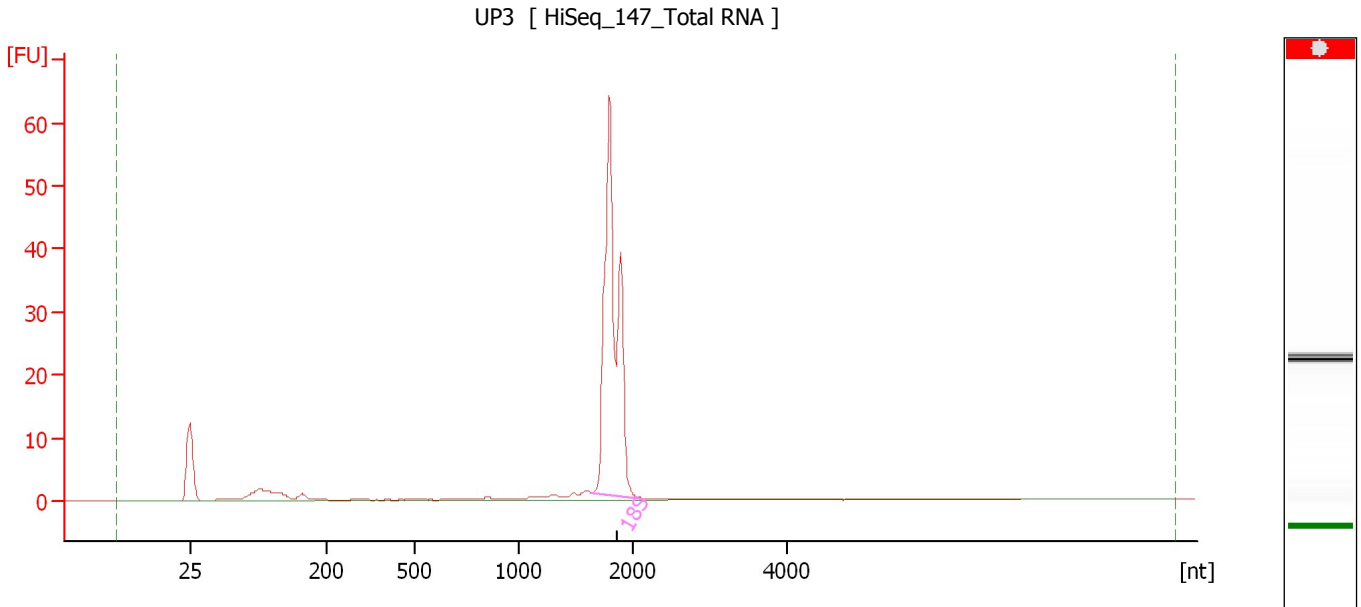
Fragment table for sample 10 : UP2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,631	2,174	131.0	76.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : UP3

RNA Area:	131.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	54 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

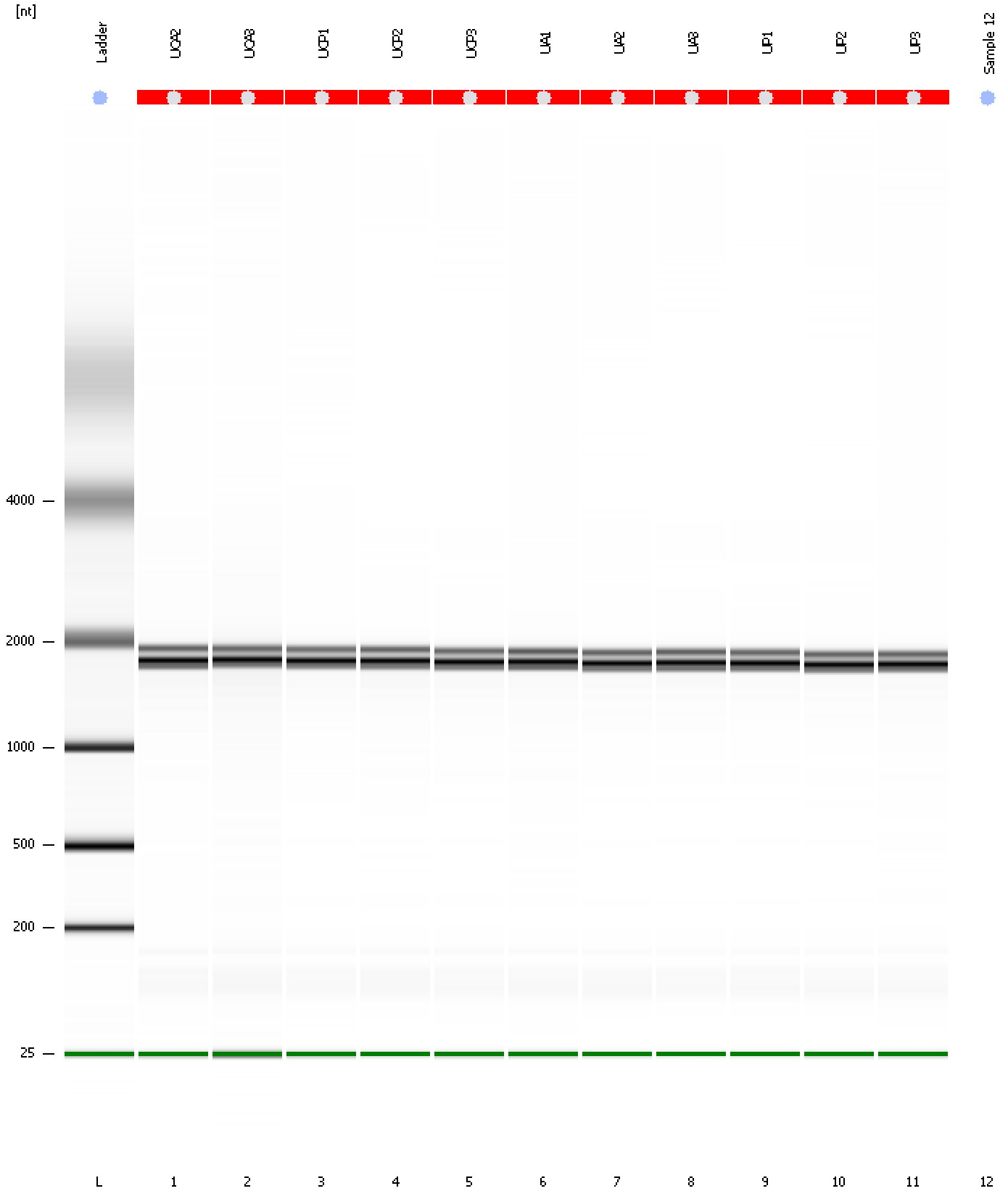
Fragment table for sample 11 : UP3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,631	2,132	99.8	75.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-30\2015-06-30_004.xad

Created: 6/30/2015 12:16:32 PM
Modified: 6/30/2015 12:39:09 PM

Invalid Samples

Sample 12 has not been run, no results available.