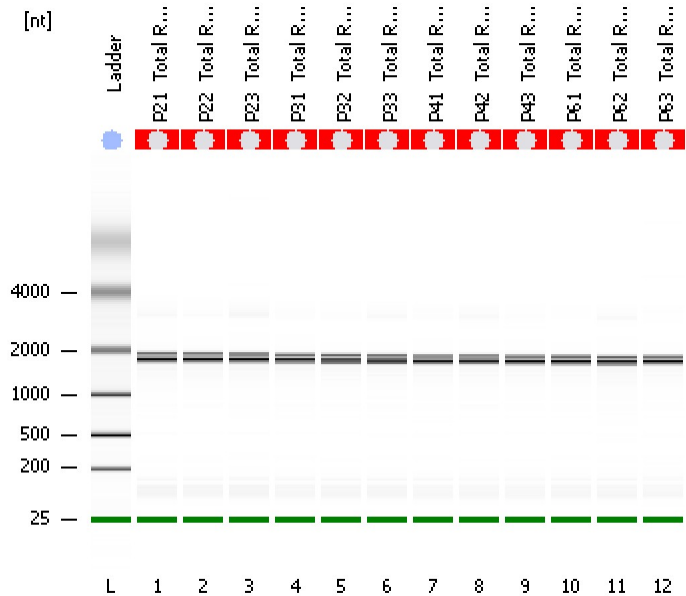


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 PM

Electrophoresis File Run Summary

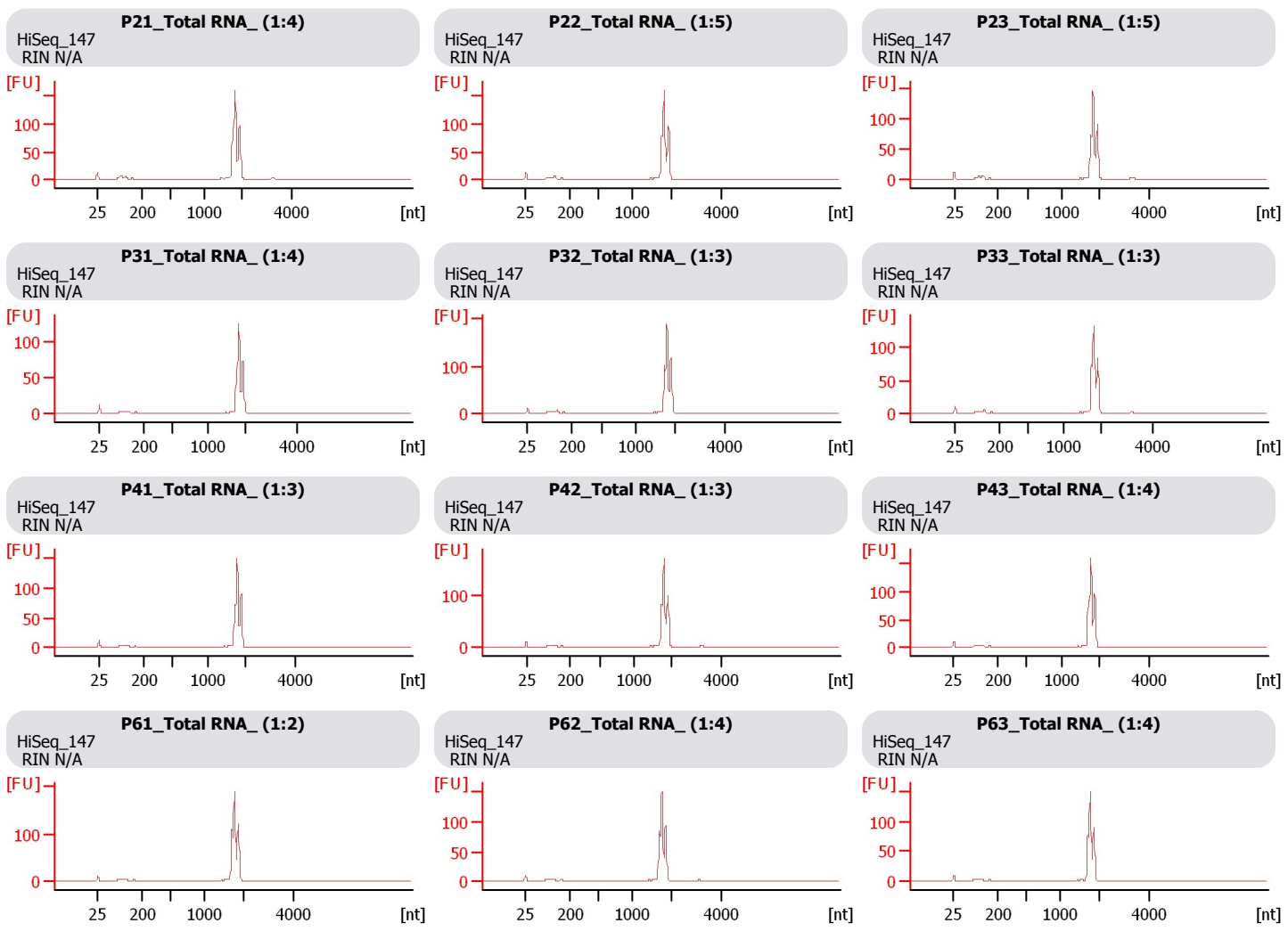


Instrument Information:
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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)

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

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Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
P21_Total RNA_ (1:4)	HiSeq_147	✓	RIN N/A	
P22_Total RNA_ (1:5)	HiSeq_147	✓	RIN N/A	
P23_Total RNA_ (1:5)	HiSeq_147	✓	RIN N/A	
P31_Total RNA_ (1:4)	HiSeq_147	✓	RIN N/A	
P32_Total RNA_ (1:3)	HiSeq_147	✓	RIN N/A	
P33_Total RNA_ (1:3)	HiSeq_147	✓	RIN N/A	
P41_Total RNA_ (1:3)	HiSeq_147	✓	RIN N/A	
P42_Total RNA_ (1:3)	HiSeq_147	✓	RIN N/A	
P43_Total RNA_ (1:4)	HiSeq_147	✓	RIN N/A	
P61_Total RNA_ (1:2)	HiSeq_147	✓	RIN N/A	
P62_Total RNA_ (1:4)	HiSeq_147	✓	RIN N/A	
P63_Total RNA_ (1:4)	HiSeq_147	✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 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

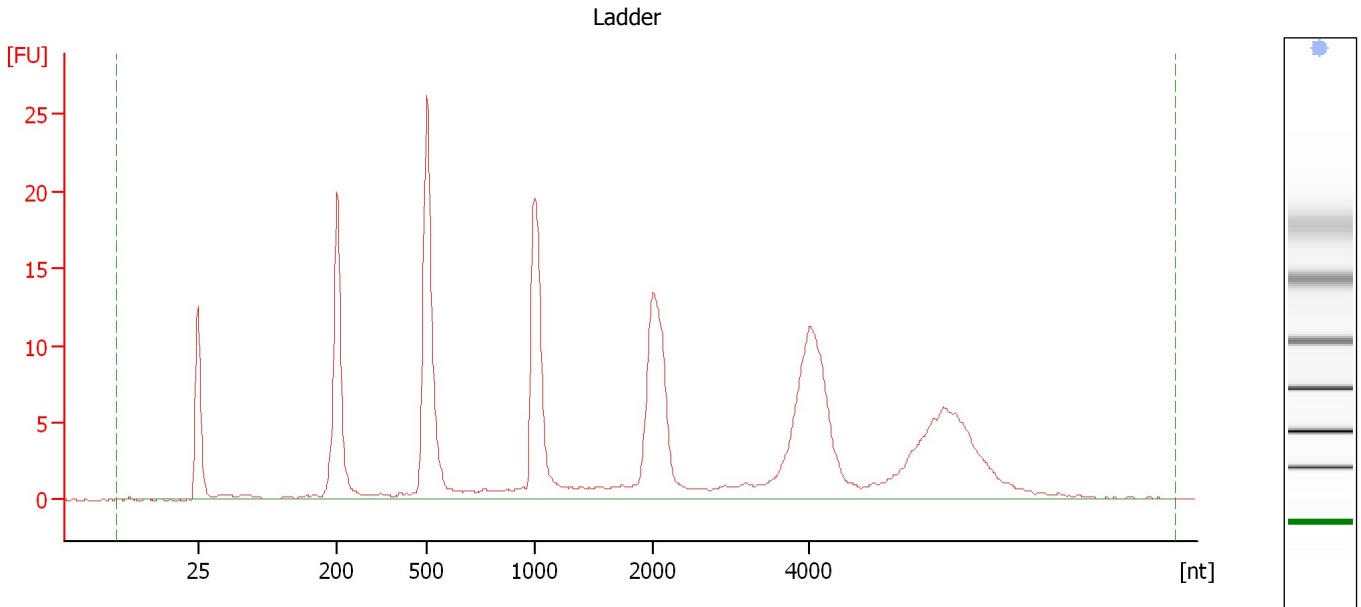
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary



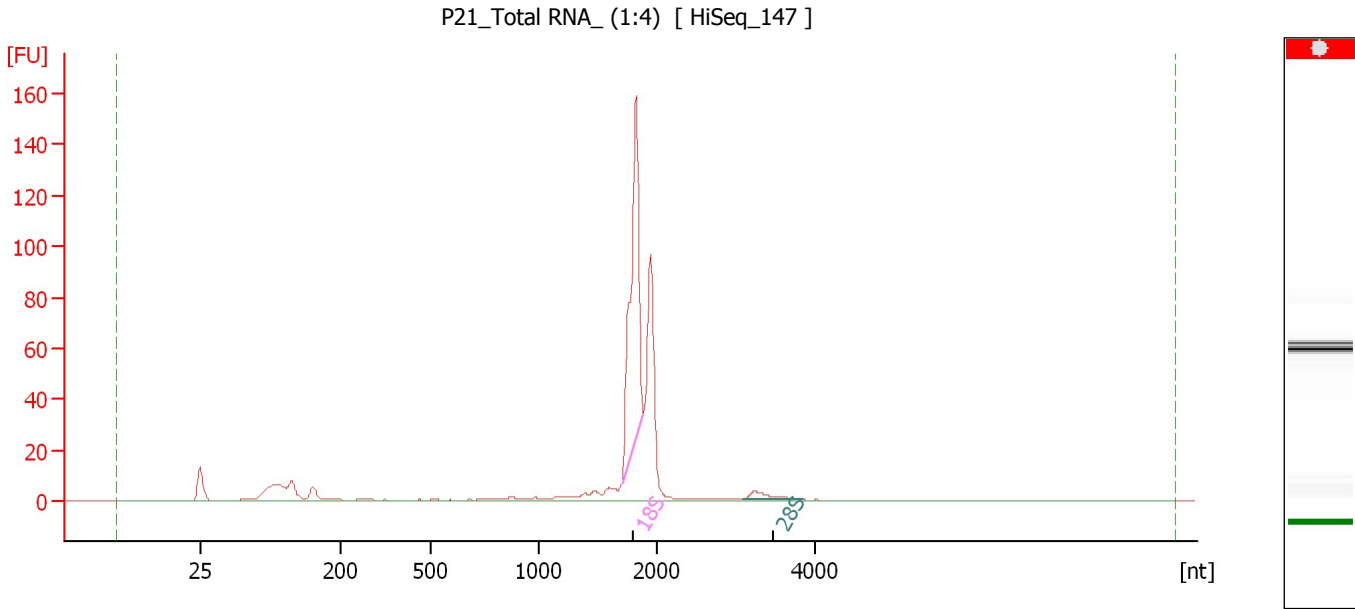
Overall Results for Ladder

RNA Area:	220.7	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\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : P21 Total RNA (1:4)

RNA Area: 382.9 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 260 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN N/A

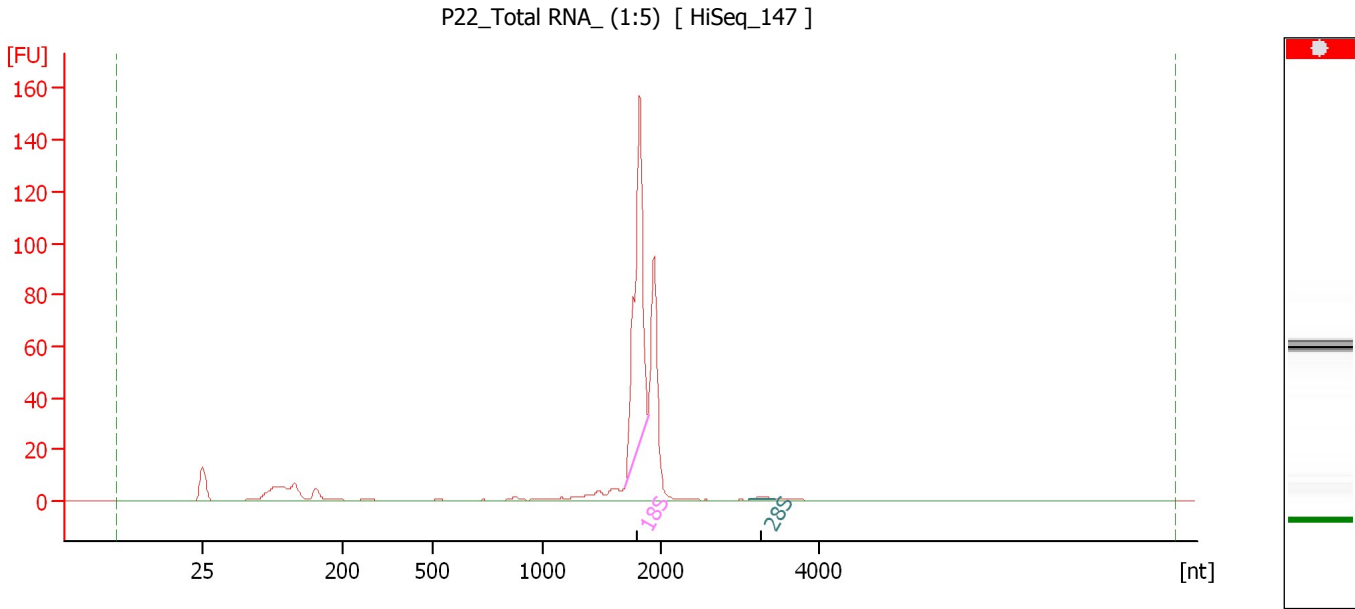
Fragment table for sample 1 : P21 Total RNA (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,705	1,884	139.6	36.5
28S	3,093	3,857	6.7	1.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
 Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : P22 Total RNA (1:5)

RNA Area:	357.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	243 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

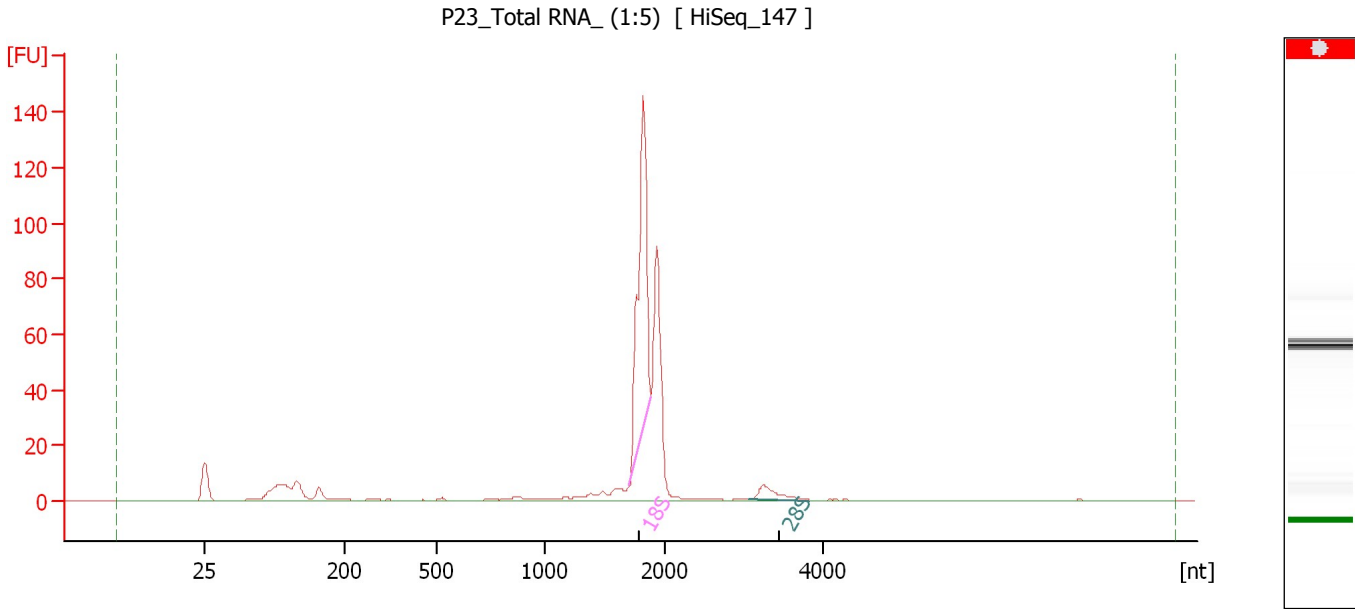
Fragment table for sample 2 : P22 Total RNA (1:5)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,699	1,886	137.1	38.3
28S	3,118	3,444	1.4	0.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
 Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : P23 Total RNA (1:5)

RNA Area:	360.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	245 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN N/A

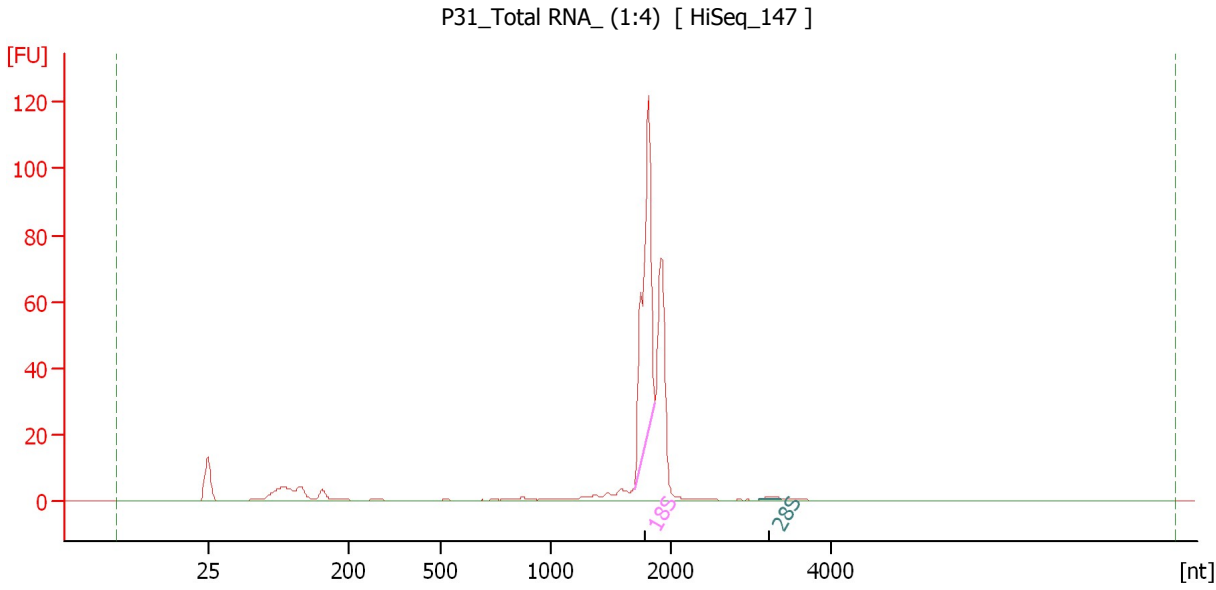
Fragment table for sample 3 : P23 Total RNA (1:5)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	1,880	121.3	33.6
28S	3,048	3,819	10.0	2.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : P31 Total RNA (1:4)

RNA Area:	272.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	185 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

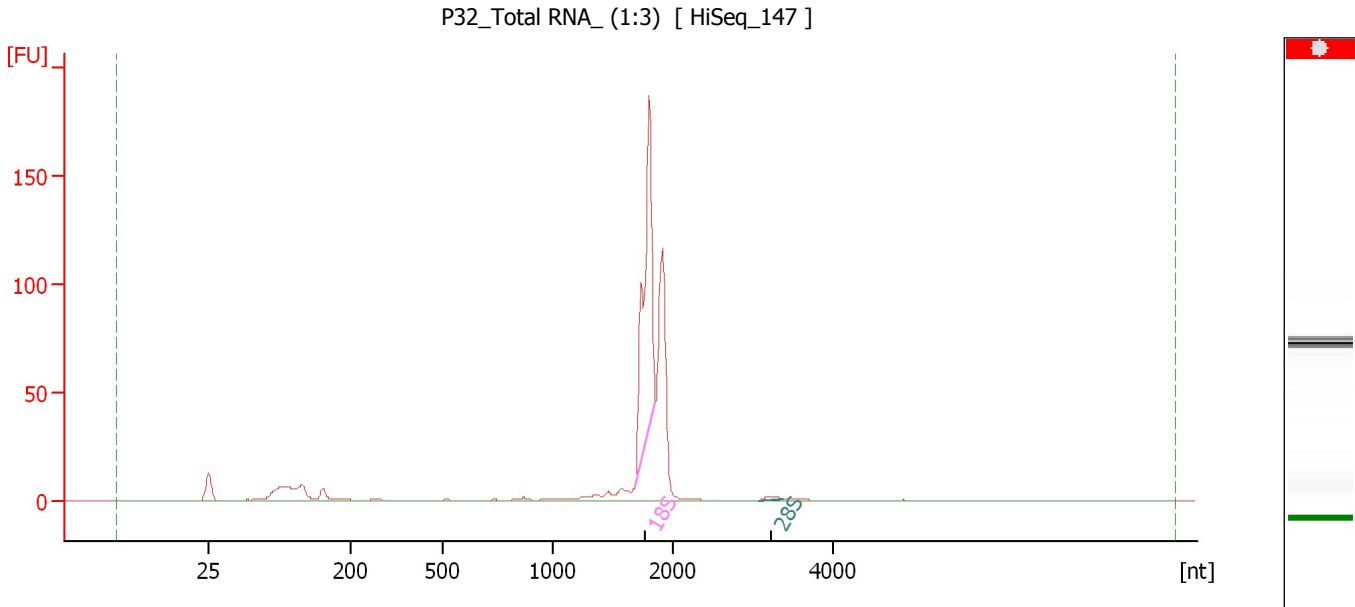
Fragment table for sample 4 : P31 Total RNA (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,688	1,865	100.6	36.9
28S	3,098	3,367	0.7	0.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : P32 Total RNA (1:3)

RNA Area: 424.9 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 289 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN N/A

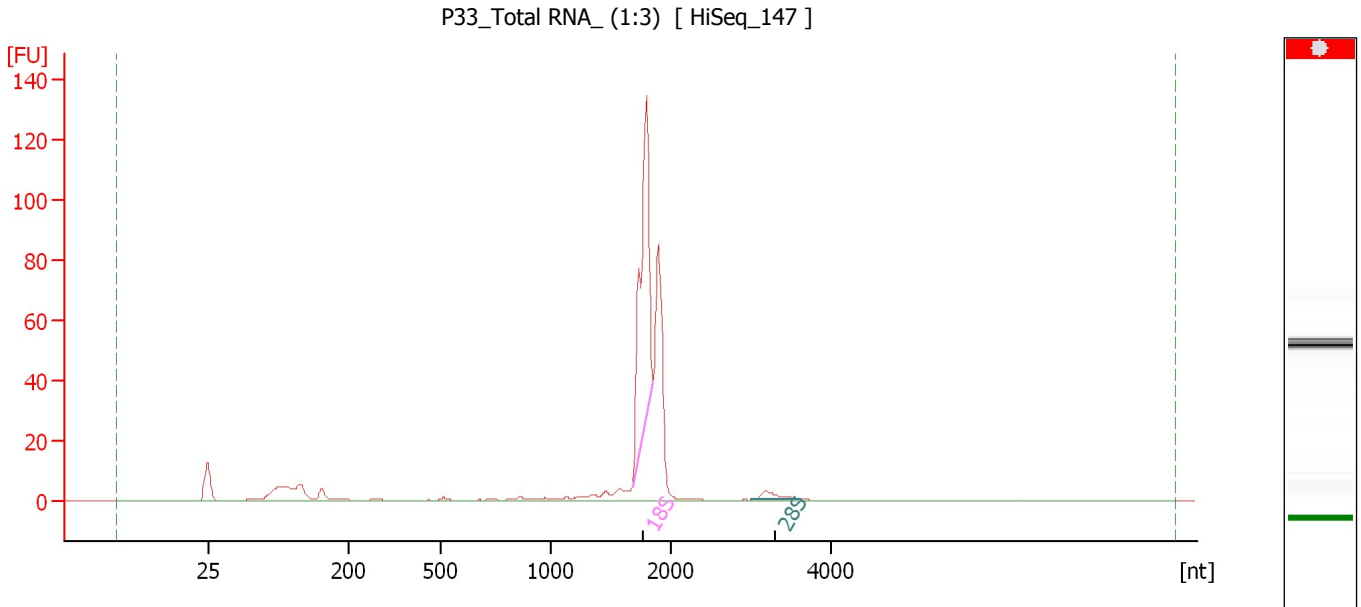
Fragment table for sample 5 : P32 Total RNA (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,681	1,848	155.2	36.5
28S	3,057	3,379	1.6	0.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : P33 Total RNA (1:3)

RNA Area: 316.2 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 215 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN N/A

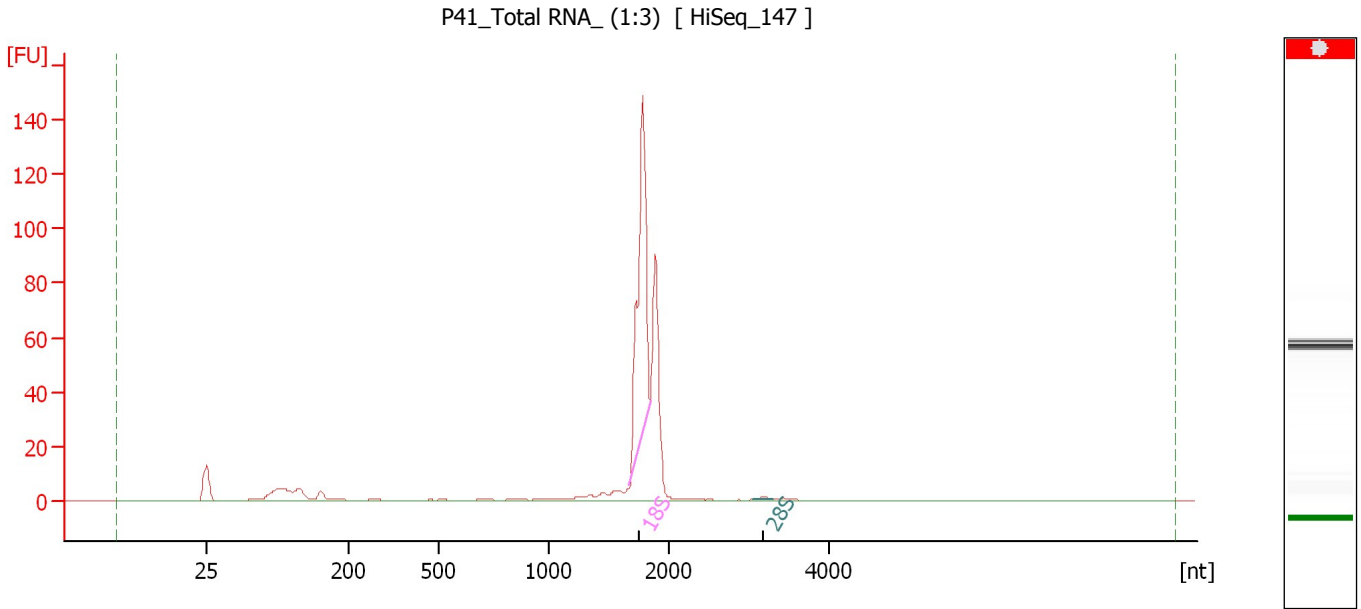
Fragment table for sample 6 : P33 Total RNA (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	1,847	111.2	35.2
28S	3,004	3,623	5.2	1.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
 Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : P41 Total RNA (1:3)

RNA Area:	313.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	213 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

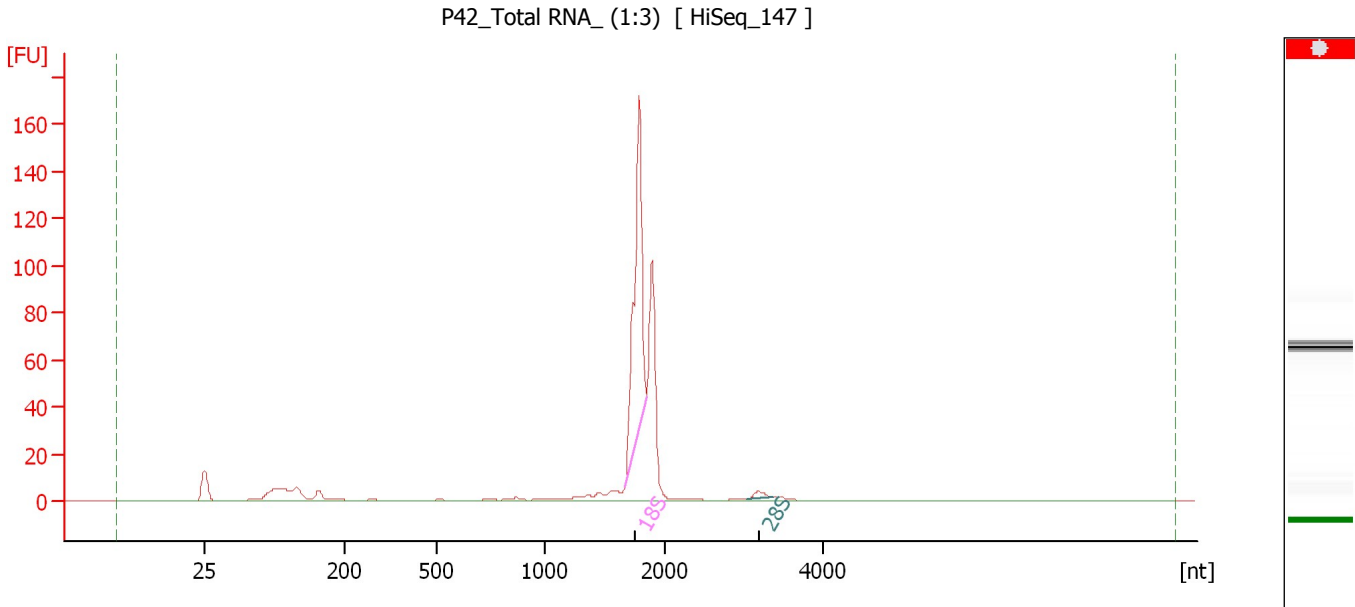
Fragment table for sample 7 : P41 Total RNA (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	1,837	118.6	37.9
28S	3,046	3,288	0.5	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : P42 Total RNA (1:3)

RNA Area:	369.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	251 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

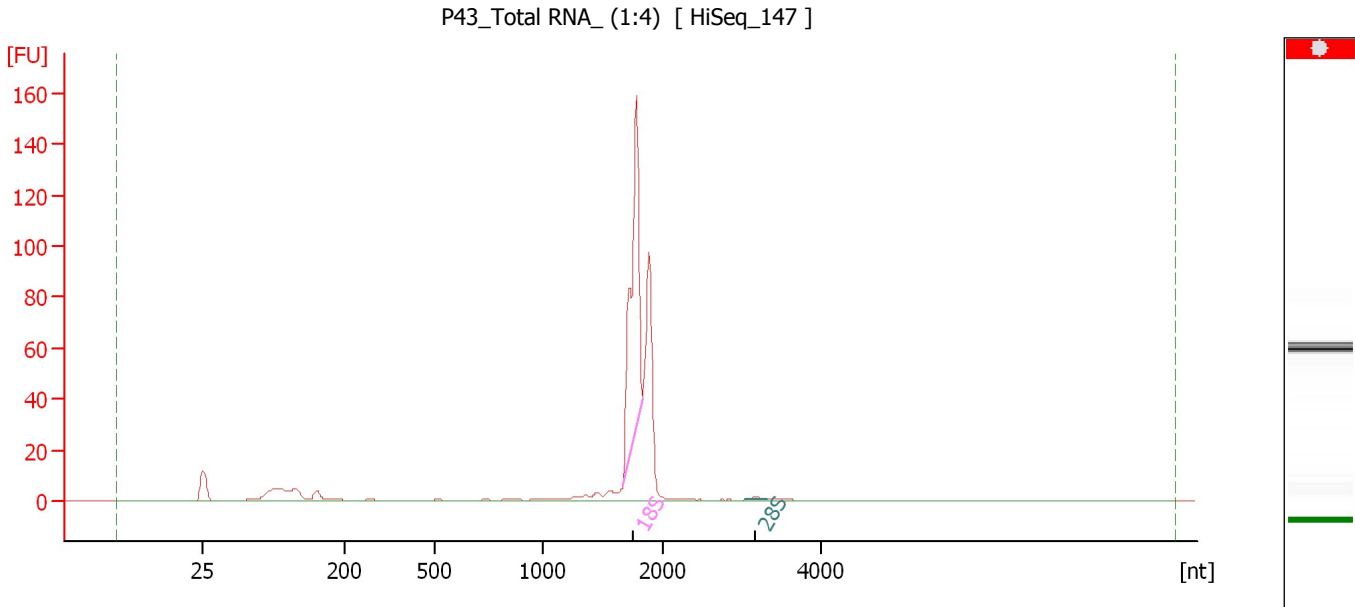
Fragment table for sample 8 : P42 Total RNA (1:3)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,666	1,835	135.3	36.6
28S	3,021	3,359	3.3	0.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
 Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : P43 Total RNA (1:4)

RNA Area:	335.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	228 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

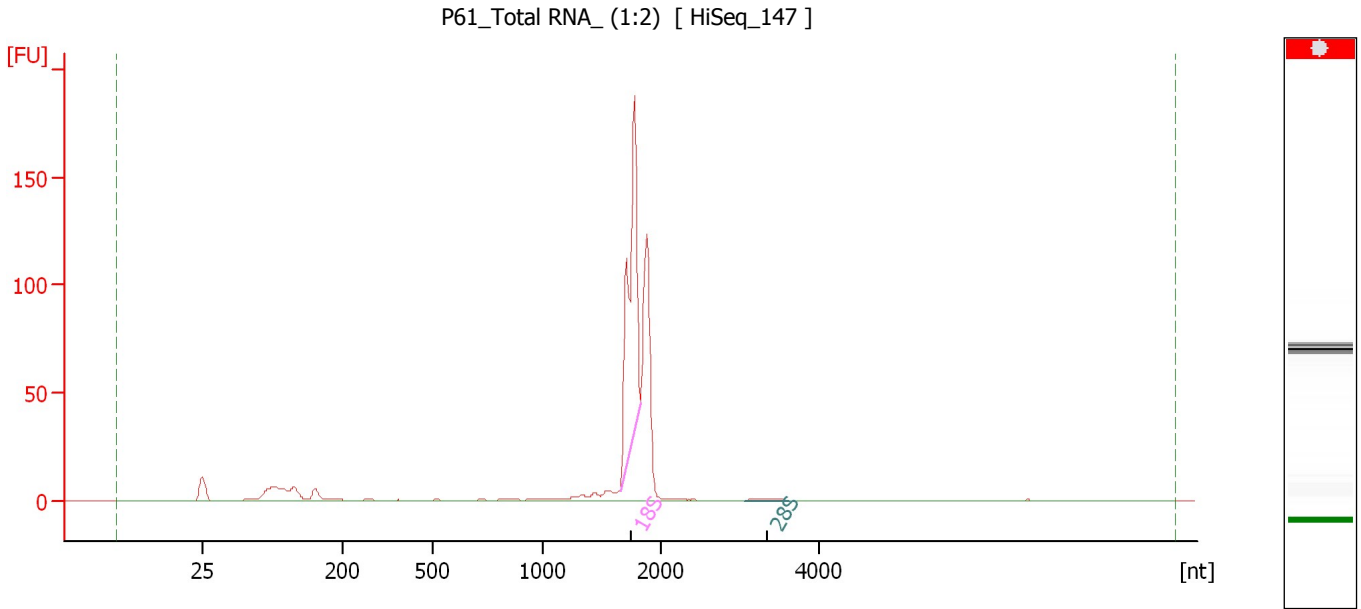
Fragment table for sample 9 : P43 Total RNA (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	1,825	128.7	38.4
28S	3,022	3,306	0.7	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : P61 Total RNA (1:2)

RNA Area:	416.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	283 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

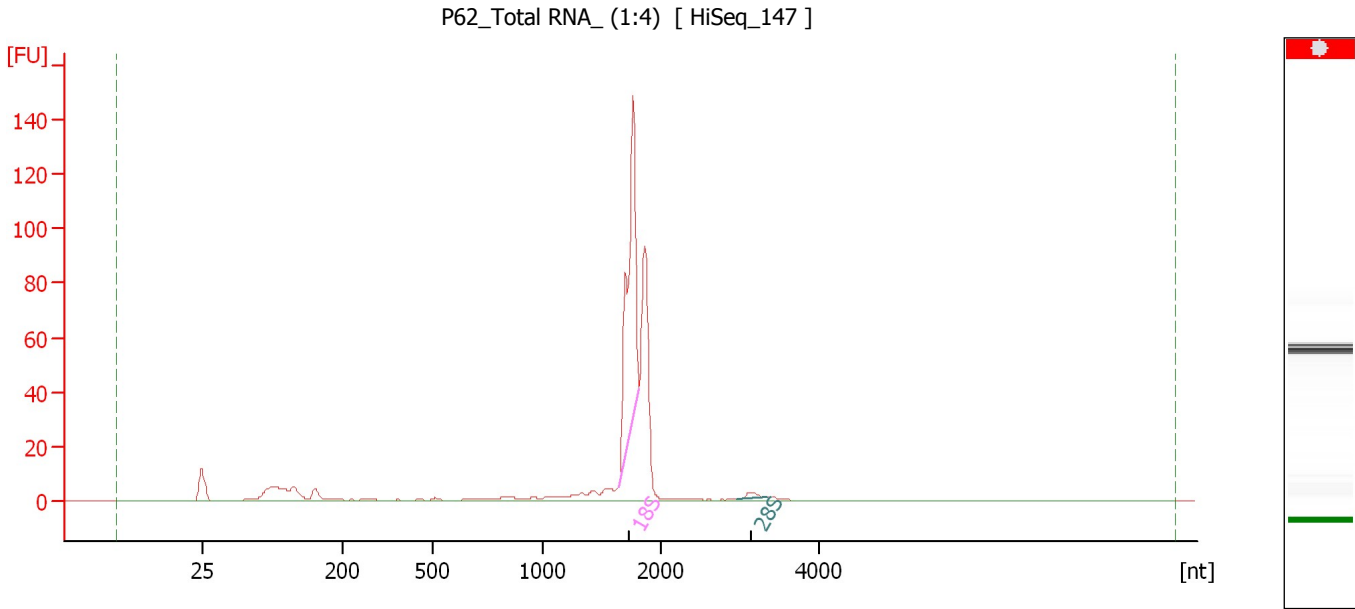
Fragment table for sample 10 : P61 Total RNA (1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,654	1,824	160.7	38.6
28S	3,064	3,620	1.7	0.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
 Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : P62 Total RNA (1:4)

RNA Area:	336.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	228 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

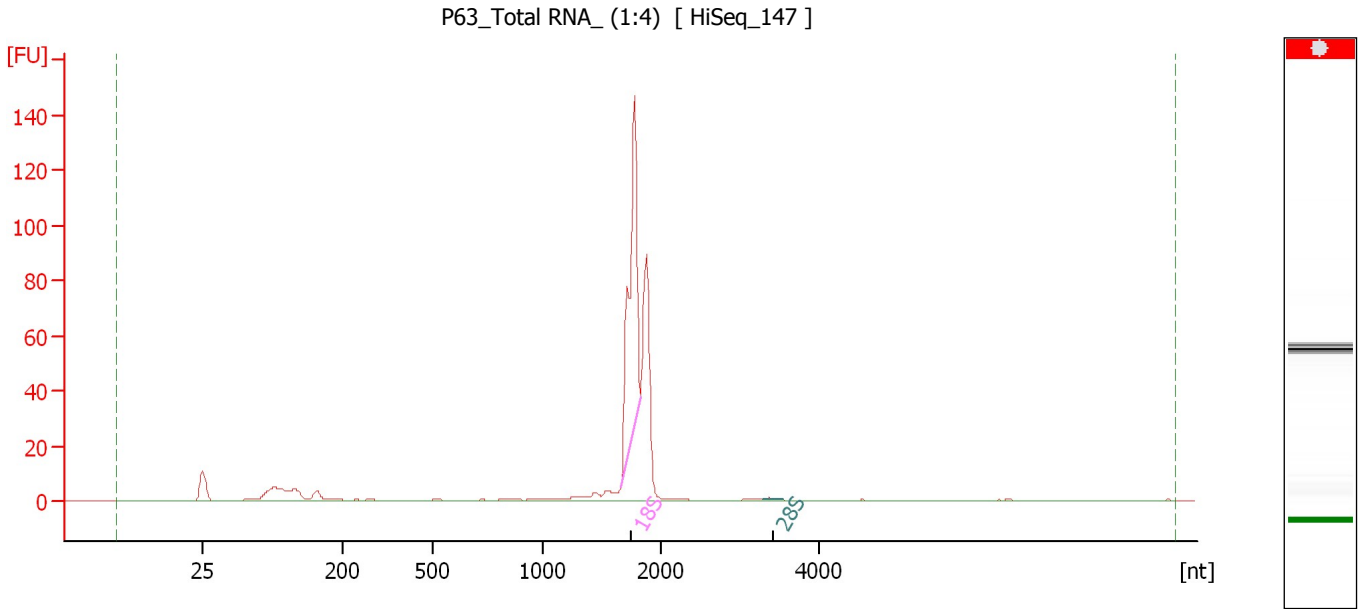
Fragment table for sample 11 : P62 Total RNA (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,645	1,815	121.1	36.0
28S	2,968	3,335	2.6	0.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : P63 Total RNA (1:4)

RNA Area:	306.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	208 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 12 : P63 Total RNA (1:4)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	1,824	115.9	37.9
28S	3,294	3,553	0.4	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-22\2015-06-22_002.xad

Created: 6/22/2015 2:03:16 PM
Modified: 6/22/2015 2:27:21 PM

Gel Image

