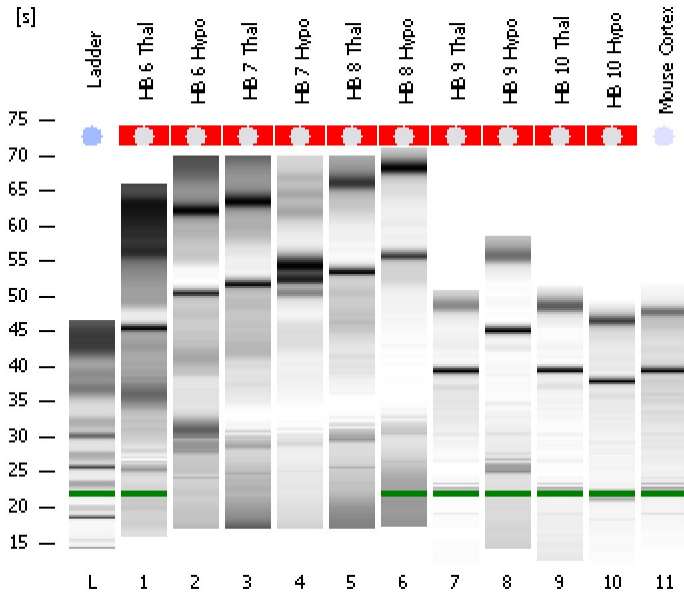


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
Modified: 9/1/2016 3:51:54 PM

Electrophoresis File Run Summary



Instrument Information:

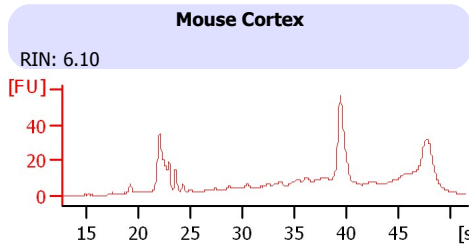
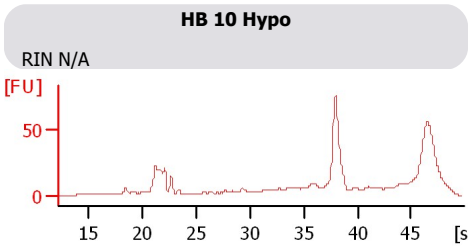
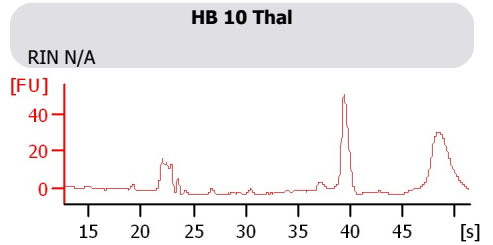
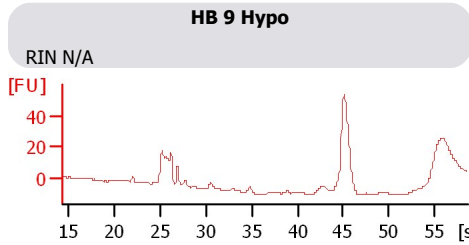
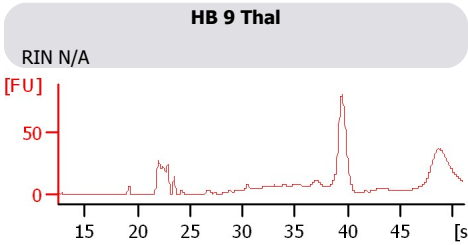
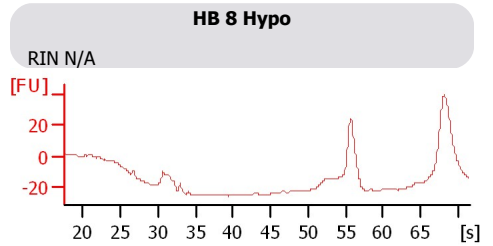
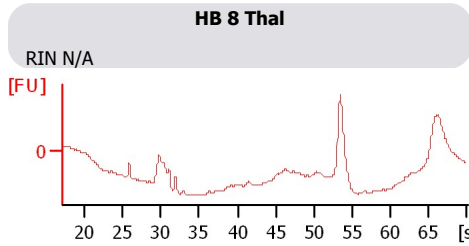
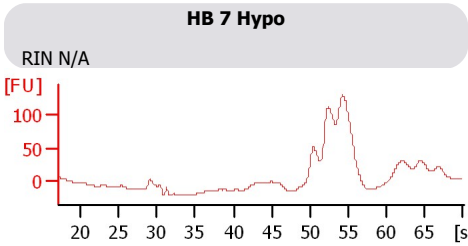
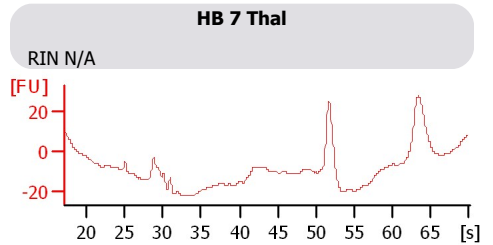
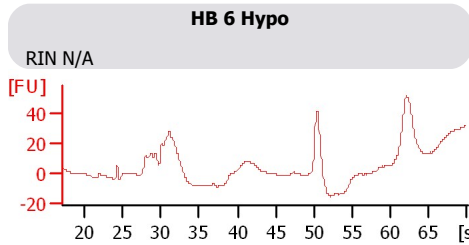
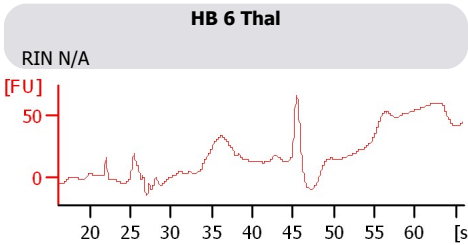
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
Modified: 9/1/2016 3:51:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HB 6 Thal		✓	RIN N/A	
HB 6 Hypo		✓	RIN N/A	
HB 7 Thal		✓	RIN N/A	
HB 7 Hypo		✓	RIN N/A	
HB 8 Thal		✓	RIN N/A	
HB 8 Hypo		✓	RIN N/A	
HB 9 Thal		✓	RIN N/A	
HB 9 Hypo		✓	RIN N/A	
HB 10 Thal		✓	RIN N/A	
HB 10 Hypo		✓	RIN N/A	
Mouse Cortex		✓	RIN: 6.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
Modified: 9/1/2016 3:51:54 PM

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

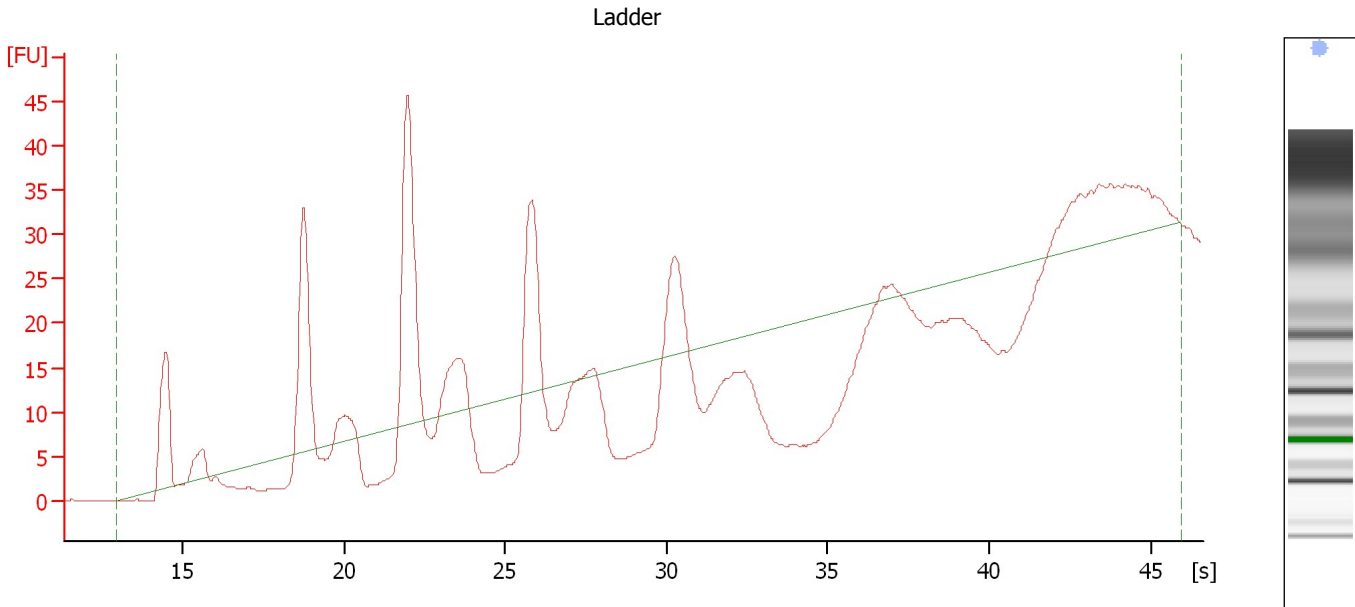
Ladder

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


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary



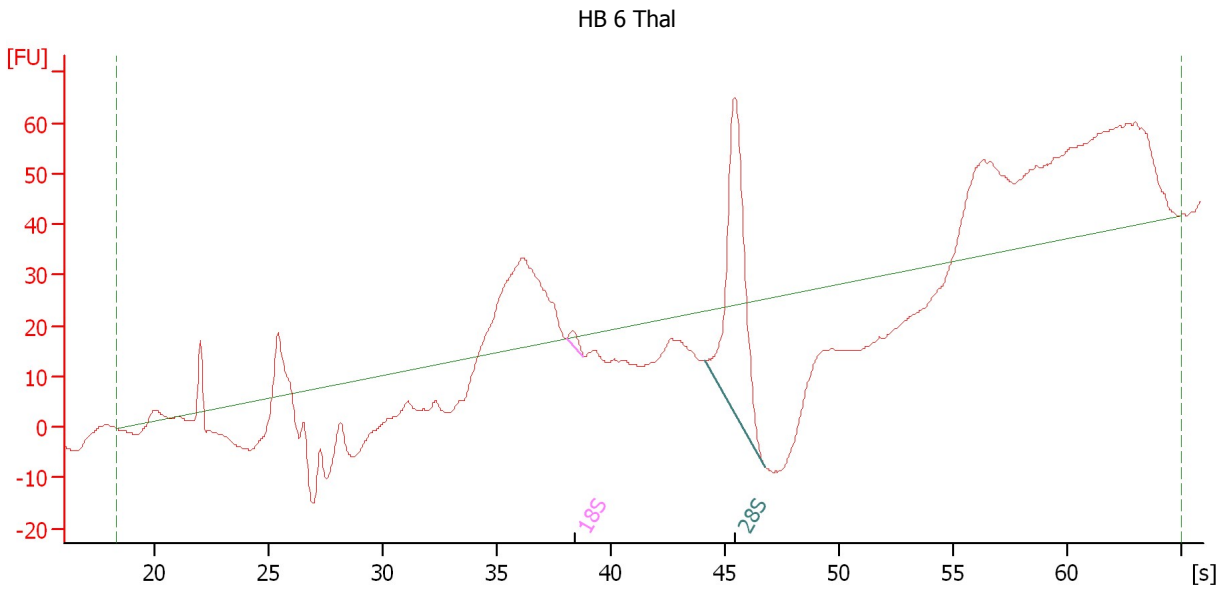
Overall Results for Ladder

RNA Area:	220.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
 Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : HB 6 Thal

RNA Area:	431.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1,952 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	38.5	Result Flagging Label:	RIN N/A

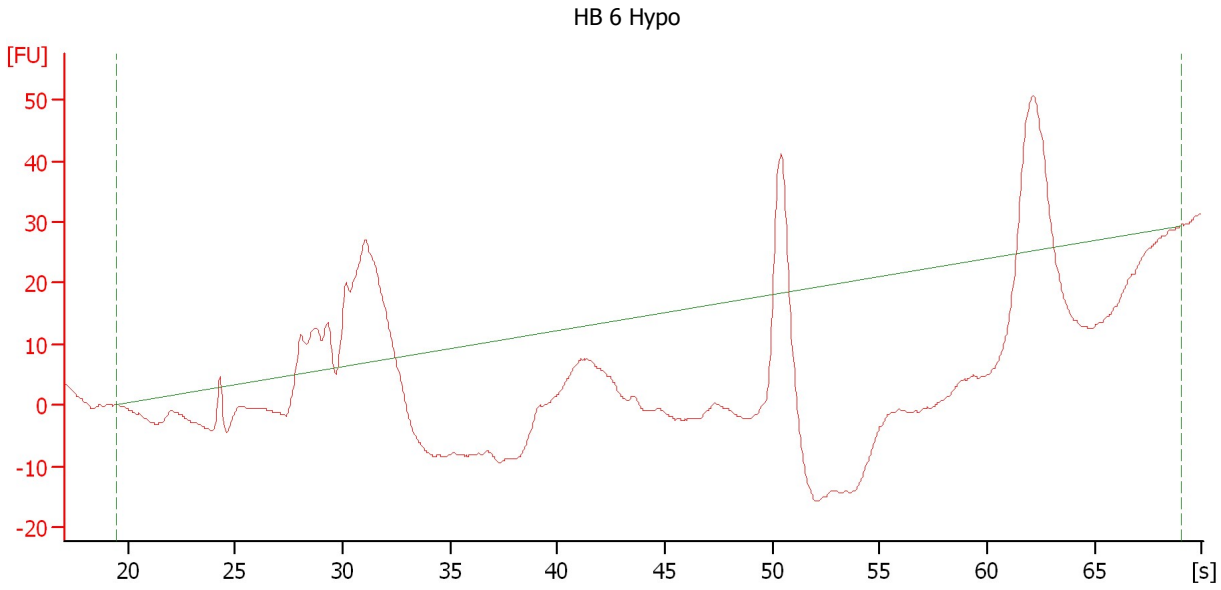
Fragment table for sample 1 : HB 6 Thal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	160	166	3.2	0.7
28S	1,803	15,910	122.3	28.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HB 6 Hypo

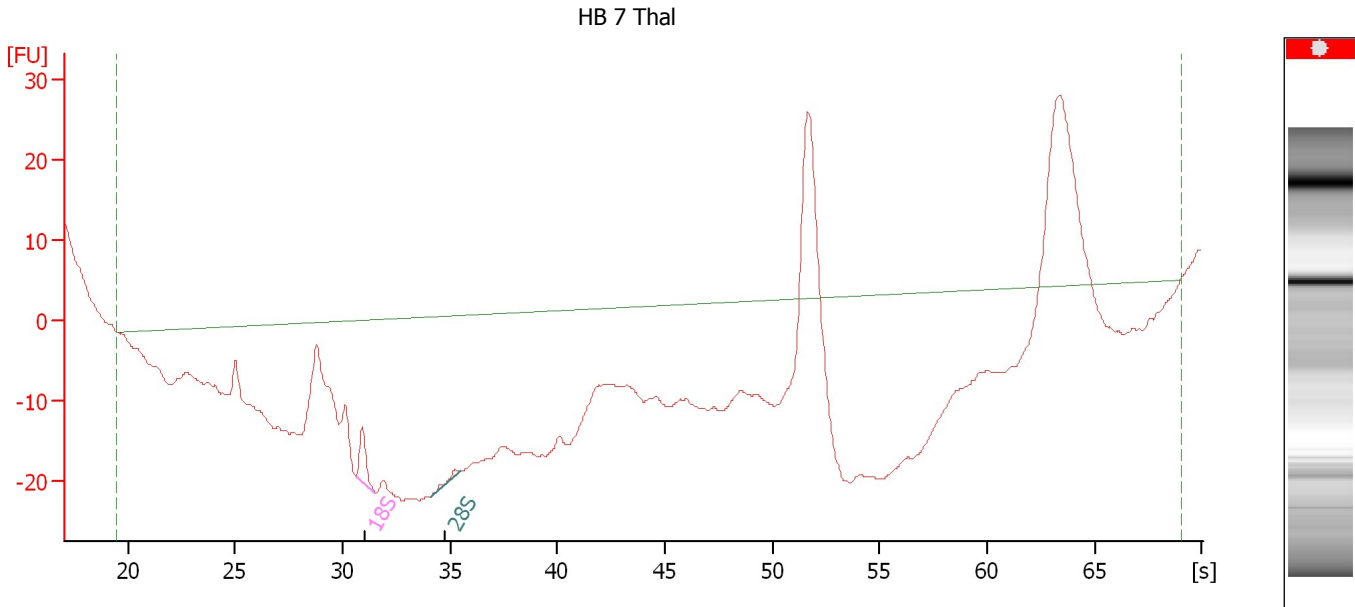
RNA Concentration: 922 pg/μl
rRNA Ratio [28s / 18s]: 0.0

Result Flagging Color:
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
 Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HB 7 Thal

RNA Area:	76.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	348 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN N/A

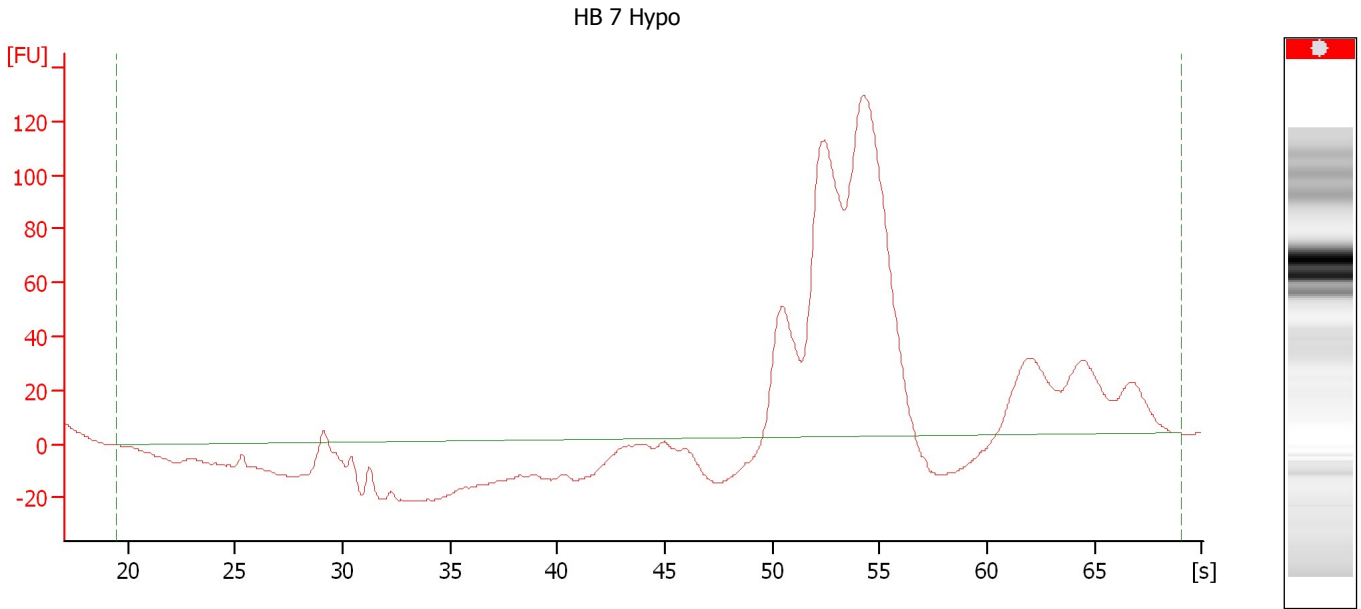
Fragment table for sample 3 : HB 7 Thal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	97	104	8.1	10.5
28S	126	138	1.1	1.4


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary Continued ...



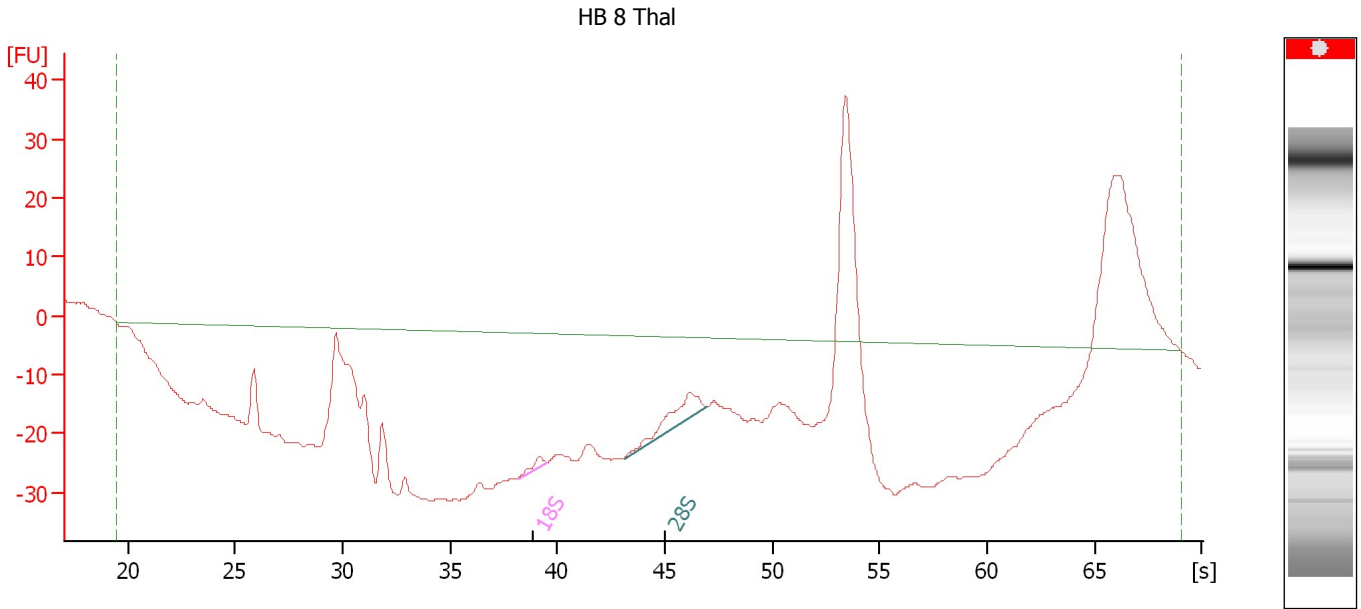
Overall Results for sample 4 : HB 7 Hypo

RNA Area:	1,107.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5,017 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HB 8 Thal

RNA Area:	134.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	610 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	6.2	Result Flagging Label:	RIN N/A

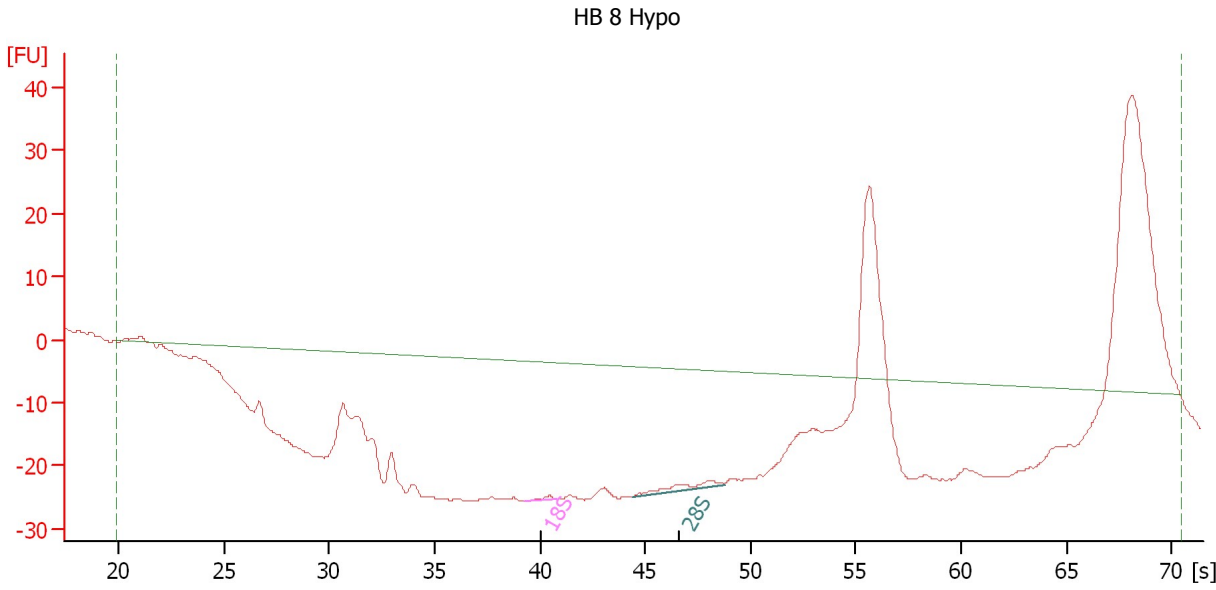
Fragment table for sample 5 : HB 8 Thal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	160	172	2.4	1.8
28S	349	16,842	14.8	11.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HB 8 Hypo

RNA Area:	165.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	747 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	5.0	Result Flagging Label:	RIN N/A

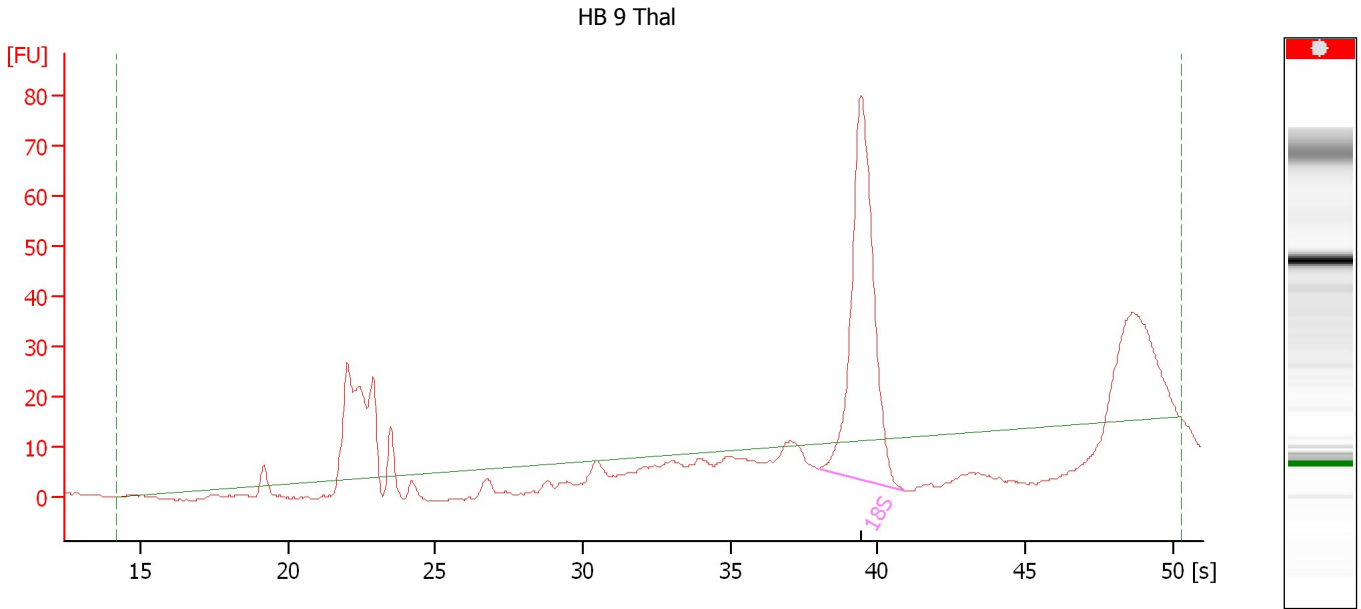
Fragment table for sample 6 : HB 8 Hypo

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	170	183	0.9	0.6
28S	2,957	26,659	4.6	2.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : HB 9 Thal

RNA Area:	234.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1,061 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

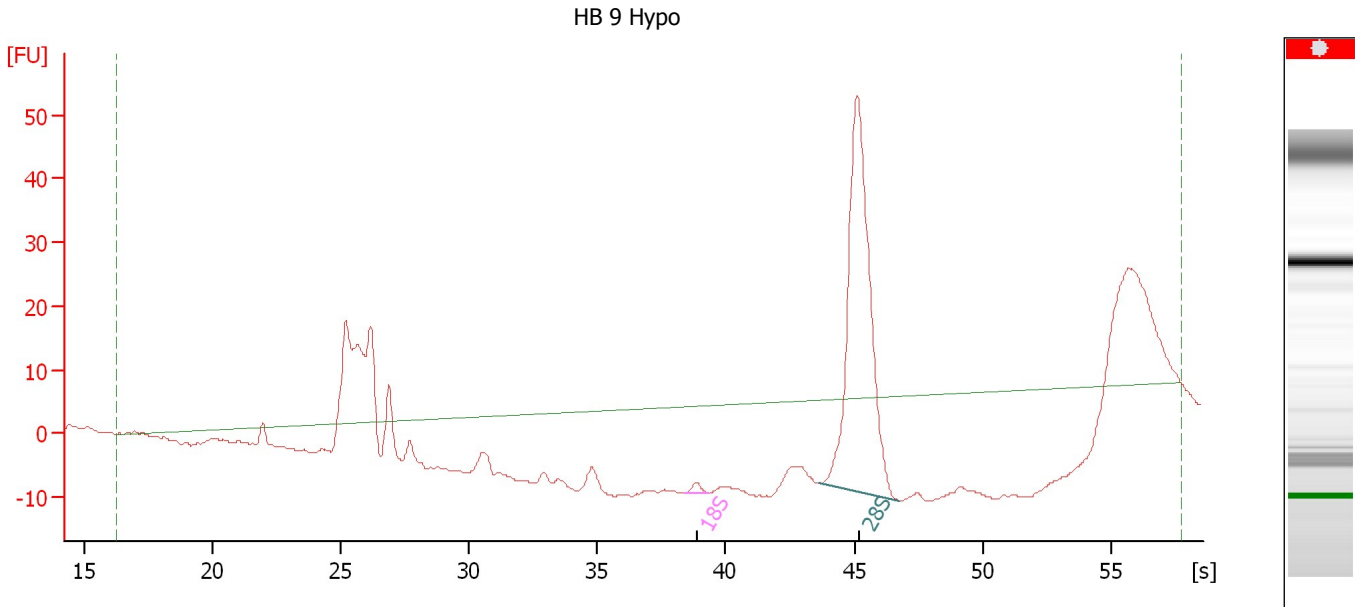
Fragment table for sample 7 : HB 9 Thal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	159	184	167.5	71.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
 Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : HB 9 Hypo

RNA Area:	198.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	901 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	73.9	Result Flagging Label:	RIN N/A

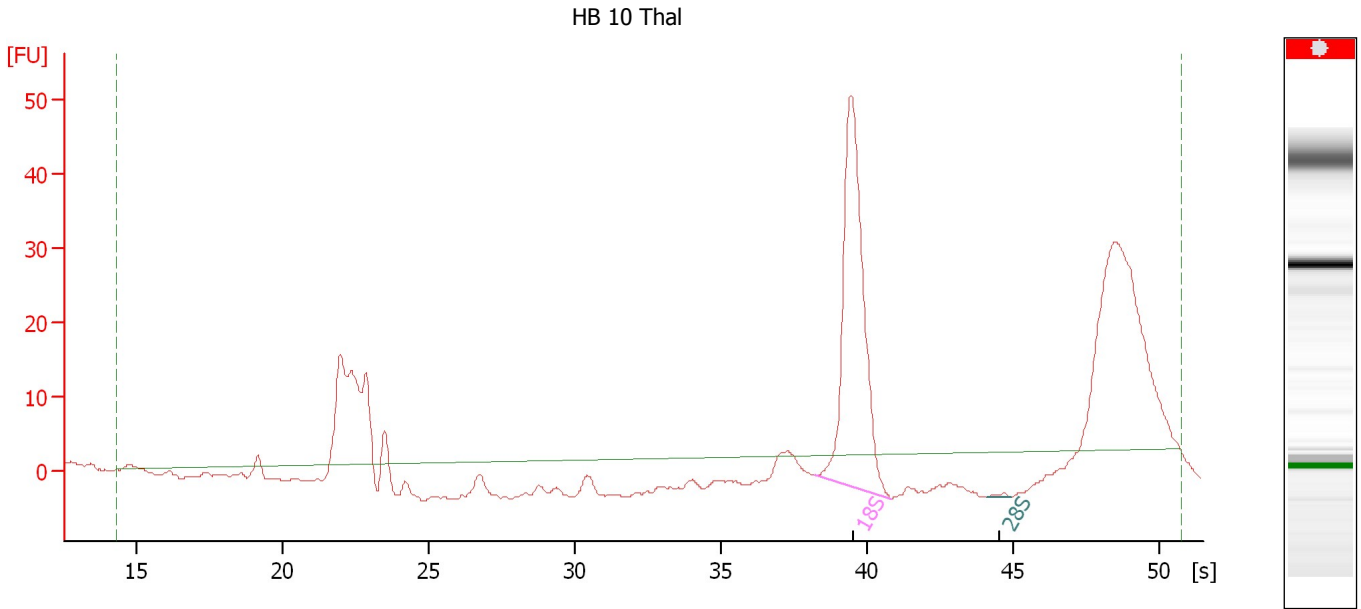
Fragment table for sample 8 : HB 9 Hypo

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	162	170	1.8	0.9
28S	804	15,807	135.0	67.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
 Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : HB 10 Thal

RNA Area:	210.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	952 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

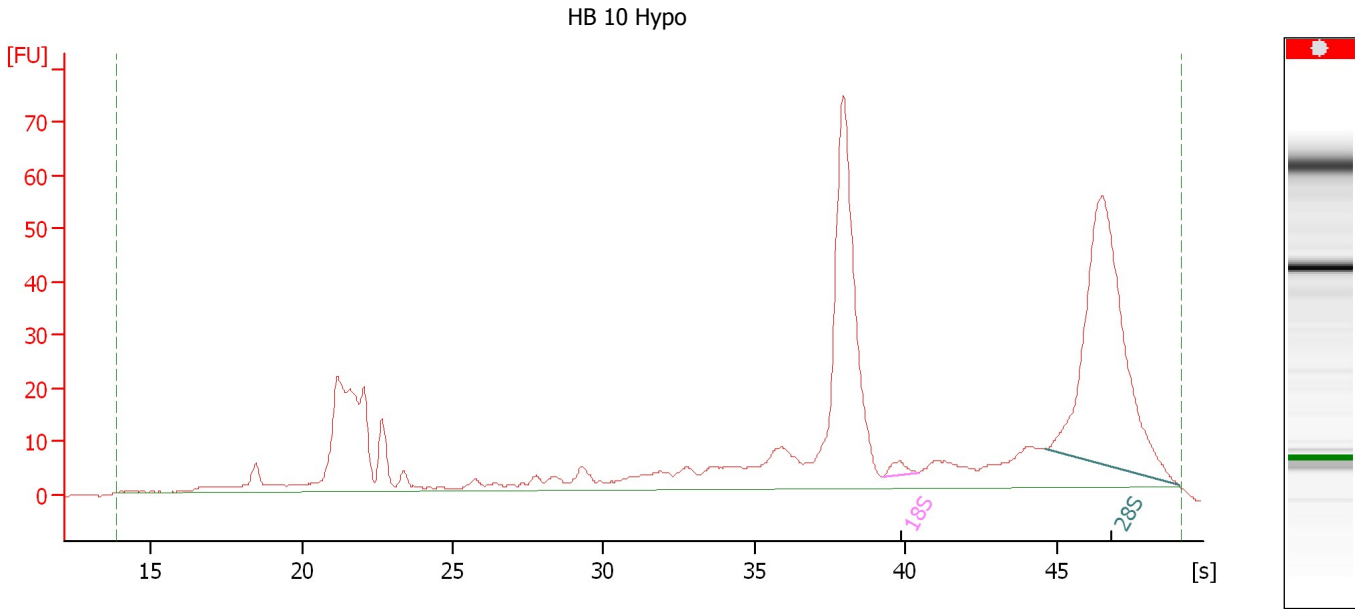
Fragment table for sample 9 : HB 10 Thal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	161	183	105.3	50.1
28S	1,815	5,952	0.6	0.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
 Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : HB 10 Hypo

RNA Area:	677.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3,067 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	42.1	Result Flagging Label:	RIN N/A

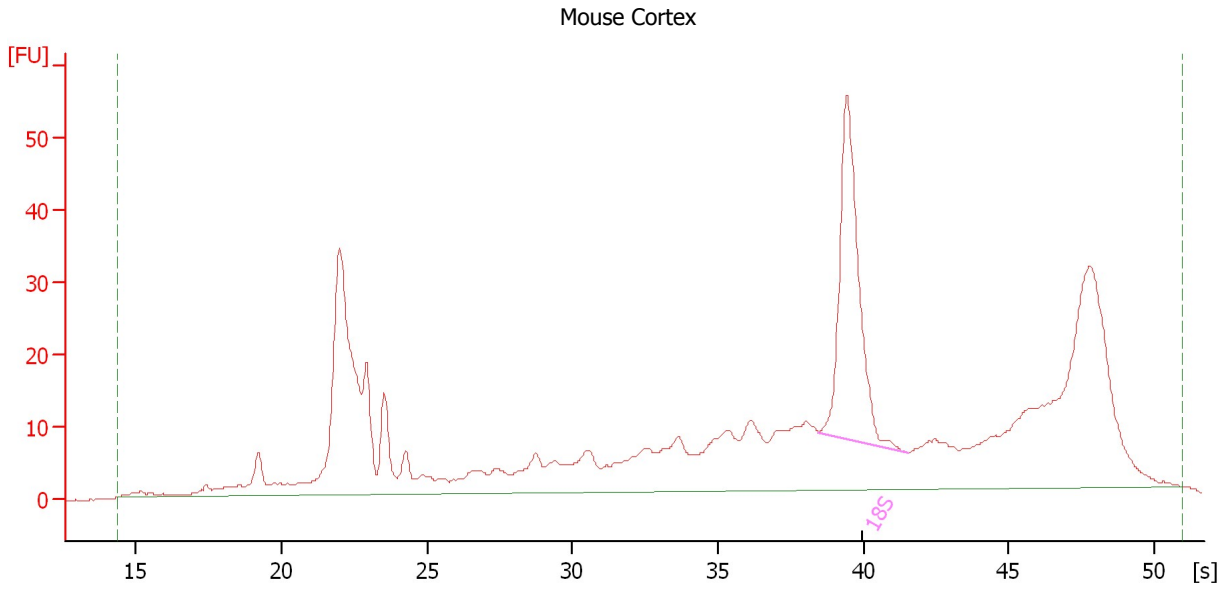
Fragment table for sample 10 : HB 10 Hypo

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	169	180	3.9	0.6
28S	4,033	28,342	162.6	24.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
Modified: 9/1/2016 3:51:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Mouse Cortex

RNA Area: 641.1 RNA Integrity Number (RIN): 6.1 (B.02.08)
RNA Concentration: 2,904 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 6.10

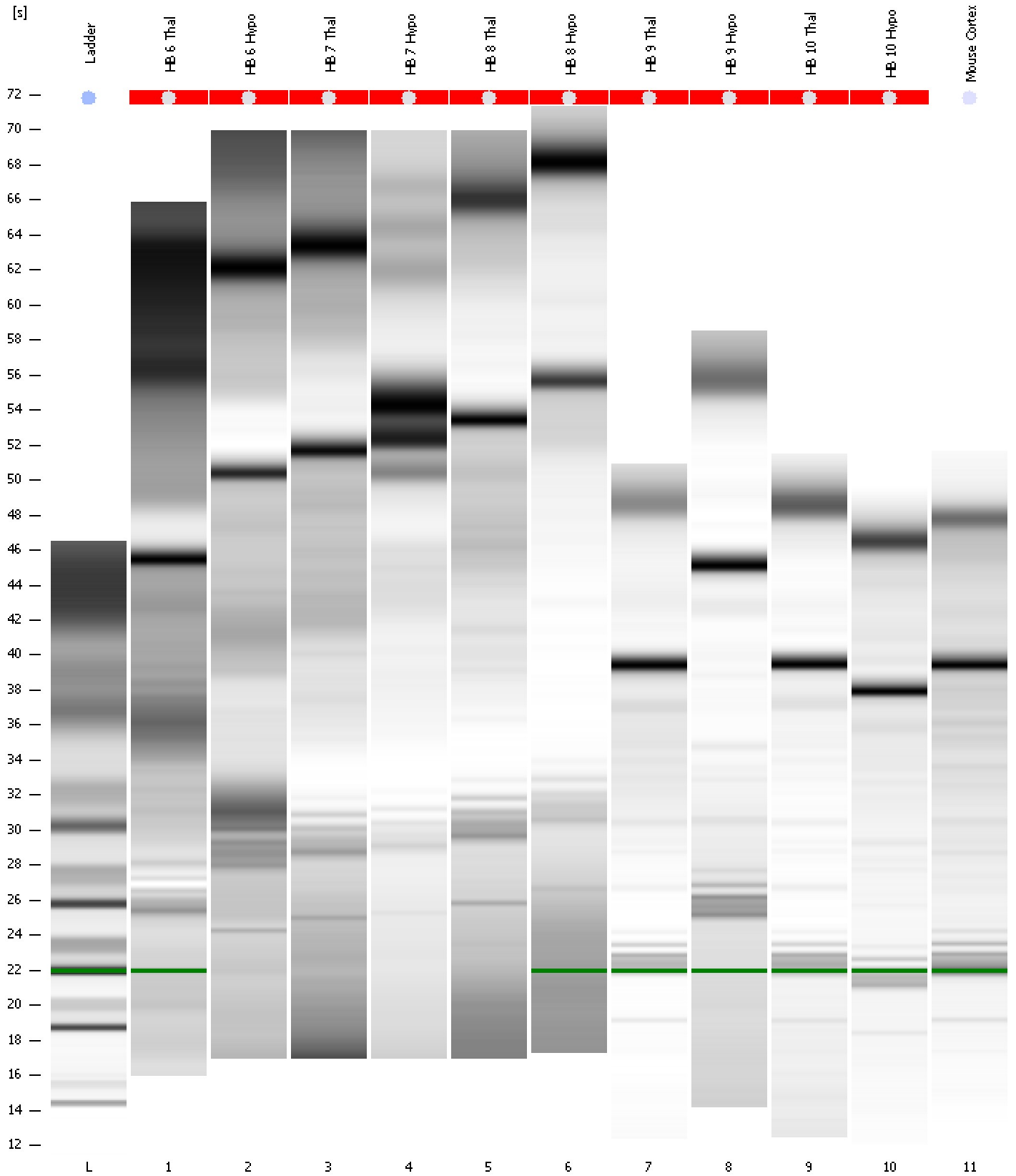
Fragment table for sample 11 : Mouse Cortex

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	163	189	90.0	14.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
Modified: 9/1/2016 3:51:54 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad

Created: 9/1/2016 3:28:52 PM
 Modified: 9/1/2016 3:51:54 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		9/1/2016 3:51:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-09-01\2016-09-01_005.xad)		Instrument	Run		9/1/2016 3:28:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/1/2016 3:28:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/1/2016 3:28:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/1/2016 3:28:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/1/2016 3:28:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/1/2016 3:28:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/1/2016 3:28:57 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1