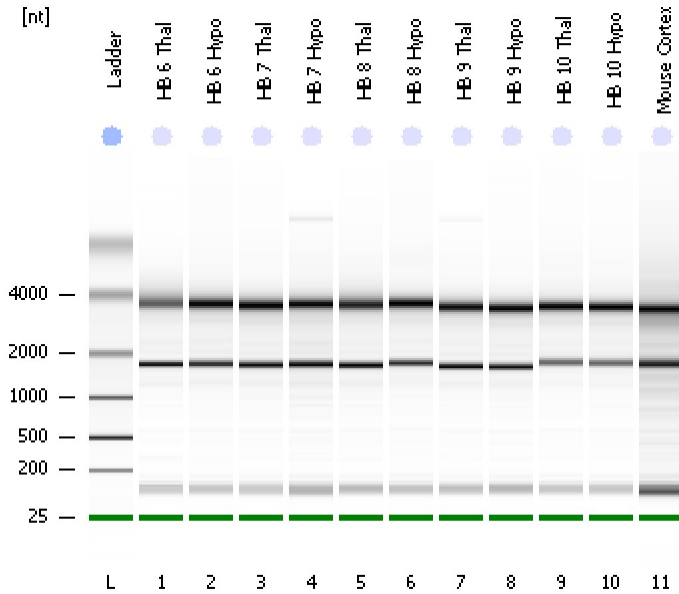


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electrophoresis File Run Summary



Instrument Information:

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

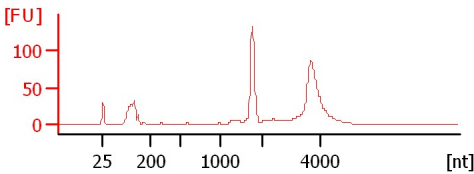
Assay Information:

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.

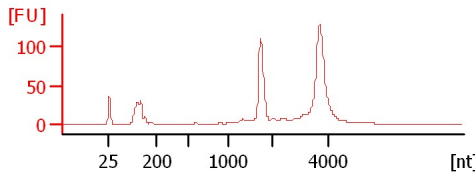
Chip Information:

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

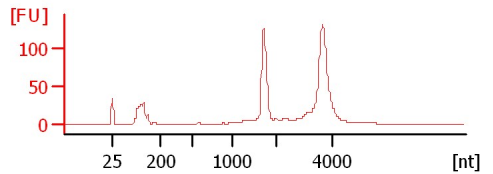
HB 6 Thal
RIN: 9.70



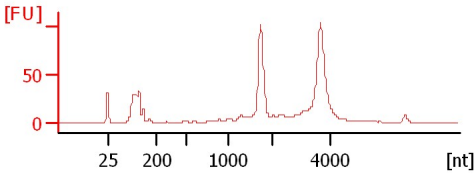
HB 6 Hypo
RIN: 9.70



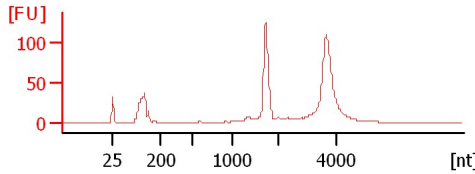
HB 7 Thal
RIN: 9.50



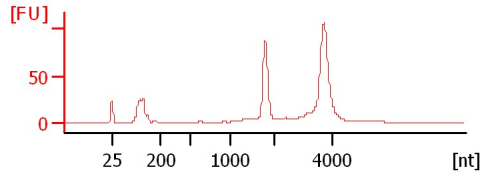
HB 7 Hypo
RIN: 9.10



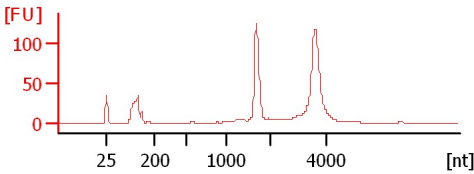
HB 8 Thal
RIN: 9.70



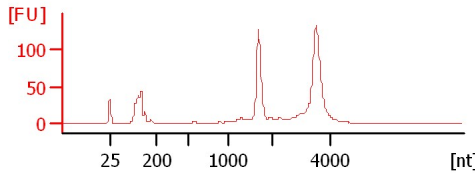
HB 8 Hypo
RIN: 9.70



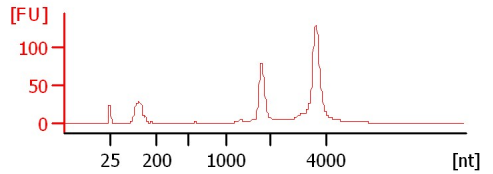
HB 9 Thal
RIN: 9.50



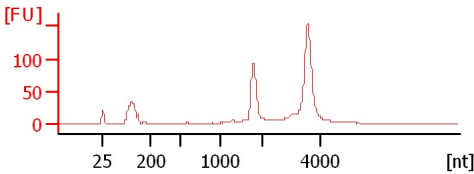
HB 9 Hypo
RIN: 9.50



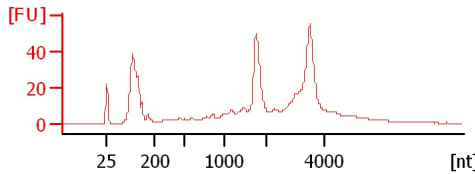
HB 10 Thal
RIN: 9.60



HB 10 Hypo
RIN: 9.50



Mouse Cortex
RIN: 8.30



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HB 6 Thal		✓	RIN: 9.70	
HB 6 Hypo		✓	RIN: 9.70	
HB 7 Thal		✓	RIN: 9.50	
HB 7 Hypo		✓	RIN: 9.10	
HB 8 Thal		✓	RIN: 9.70	
HB 8 Hypo		✓	RIN: 9.70	
HB 9 Thal		✓	RIN: 9.50	
HB 9 Hypo		✓	RIN: 9.50	
HB 10 Thal		✓	RIN: 9.60	
HB 10 Hypo		✓	RIN: 9.50	
Mouse Cortex		✓	RIN: 8.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 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

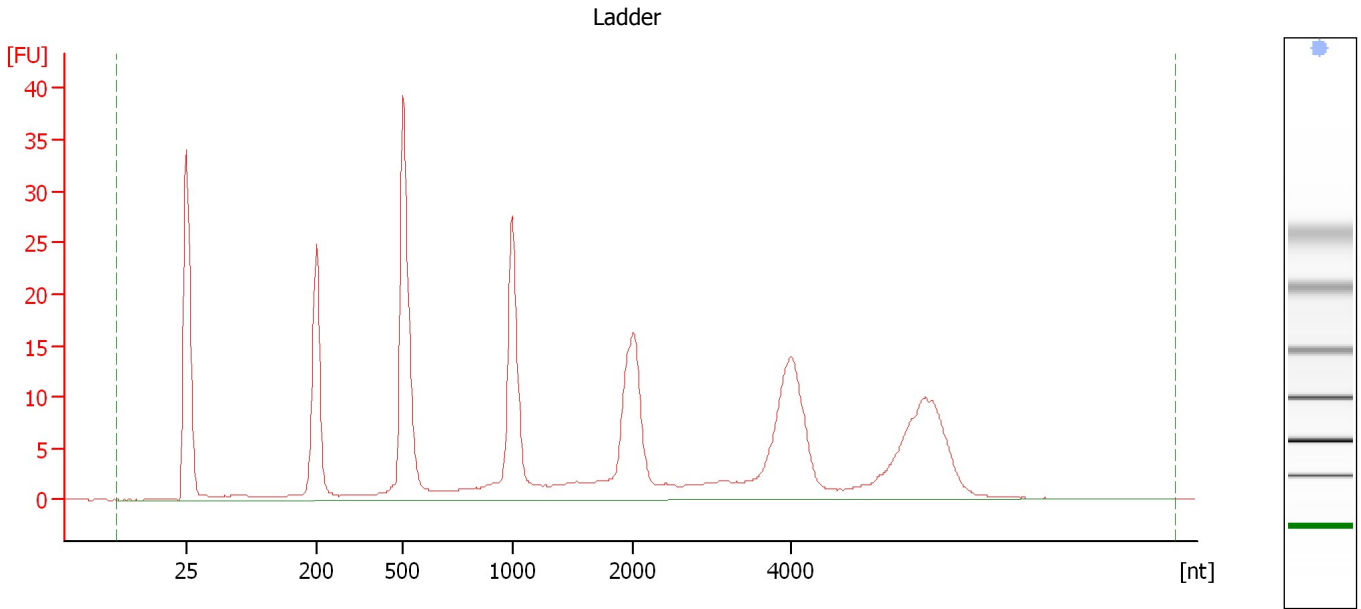
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary



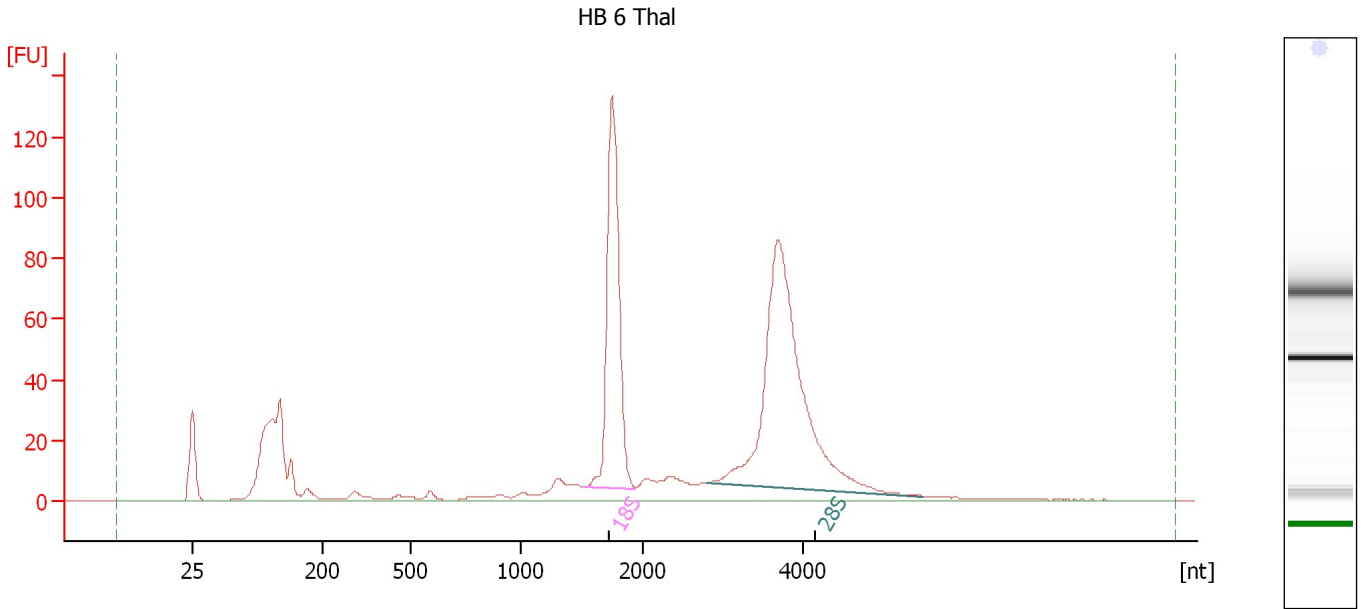
Overall Results for Ladder

RNA Area:	309.4	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\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : HB 6 Thal

RNA Area: 880.2 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 2,845 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.70

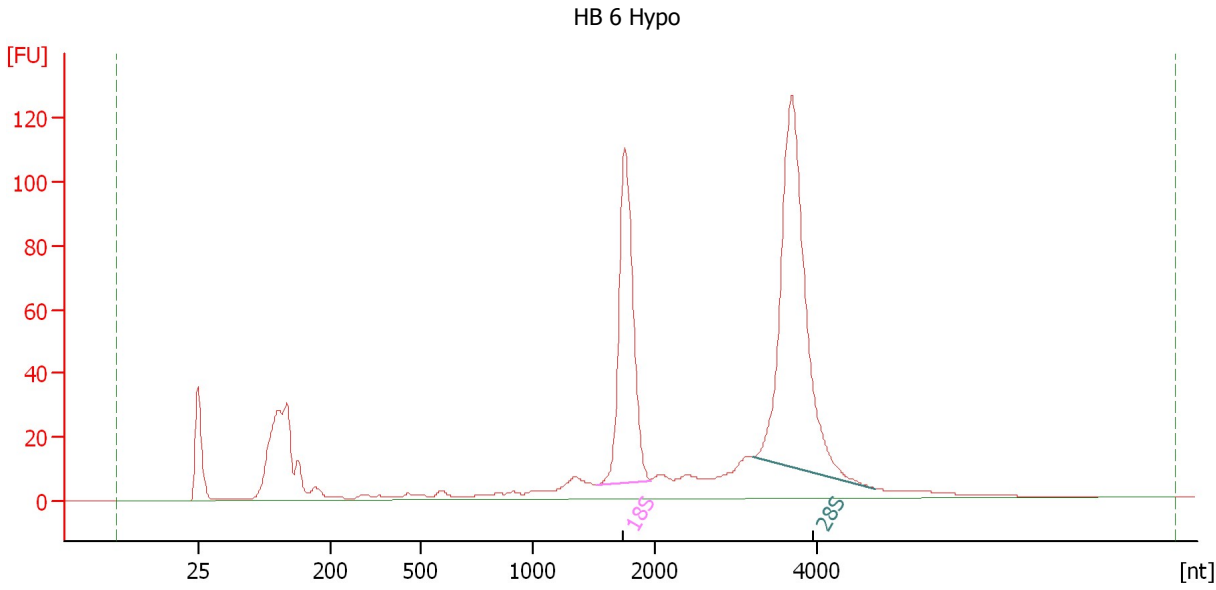
Fragment table for sample 1 : HB 6 Thal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,522	1,933	192.2	21.8
28S	2,812	5,531	310.9	35.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HB 6 Hypo

RNA Area: 916.6 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 2,962 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.70

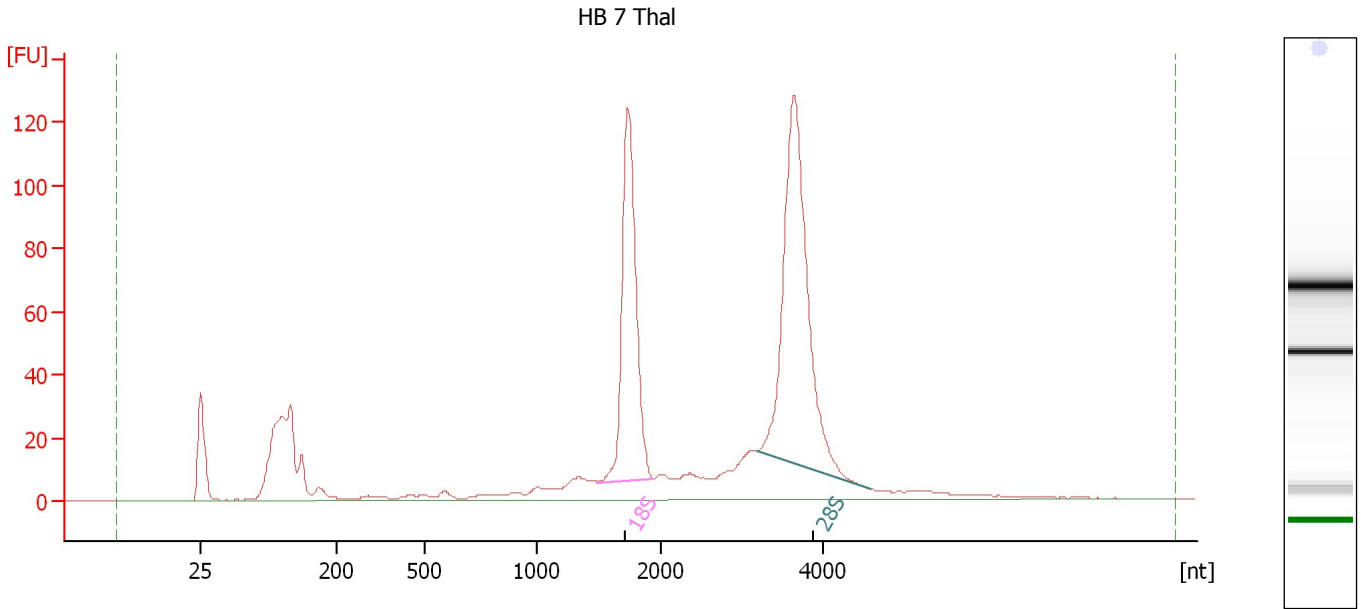
Fragment table for sample 2 : HB 6 Hypo

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,532	1,955	182.7	19.9
28S	3,207	4,735	299.9	32.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HB 7 Thal

RNA Area: 968.7 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 3,131 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.50

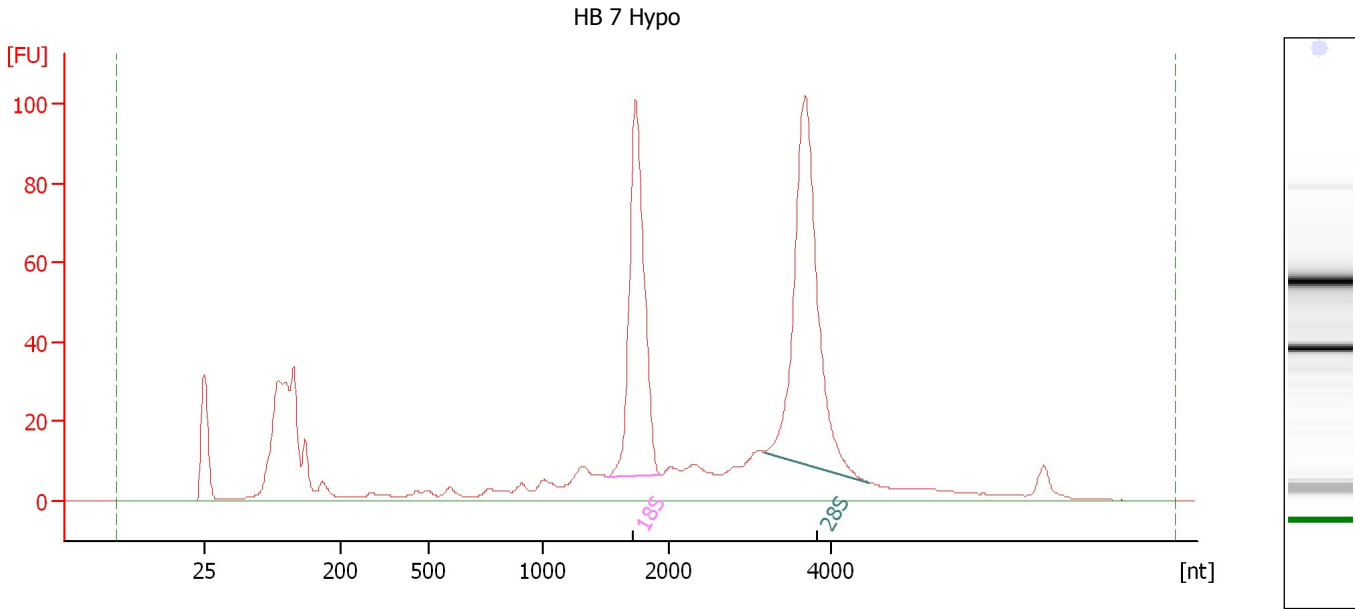
Fragment table for sample 3 : HB 7 Thal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	1,932	200.7	20.7
28S	3,163	4,575	295.7	30.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HB 7 Hypo

RNA Area:	919.6	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	2,972 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.10

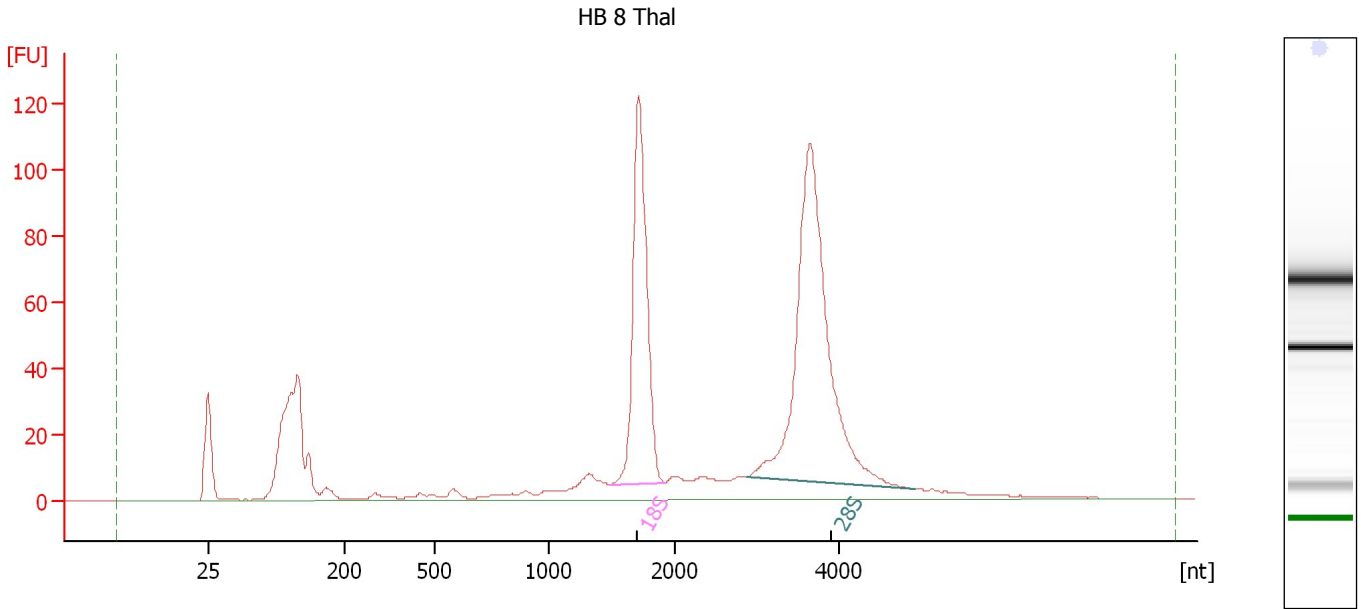
Fragment table for sample 4 : HB 7 Hypo

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,517	1,943	171.1	18.6
28S	3,185	4,470	223.6	24.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HB 8 Thal

RNA Area: 937.6 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 3,030 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.70

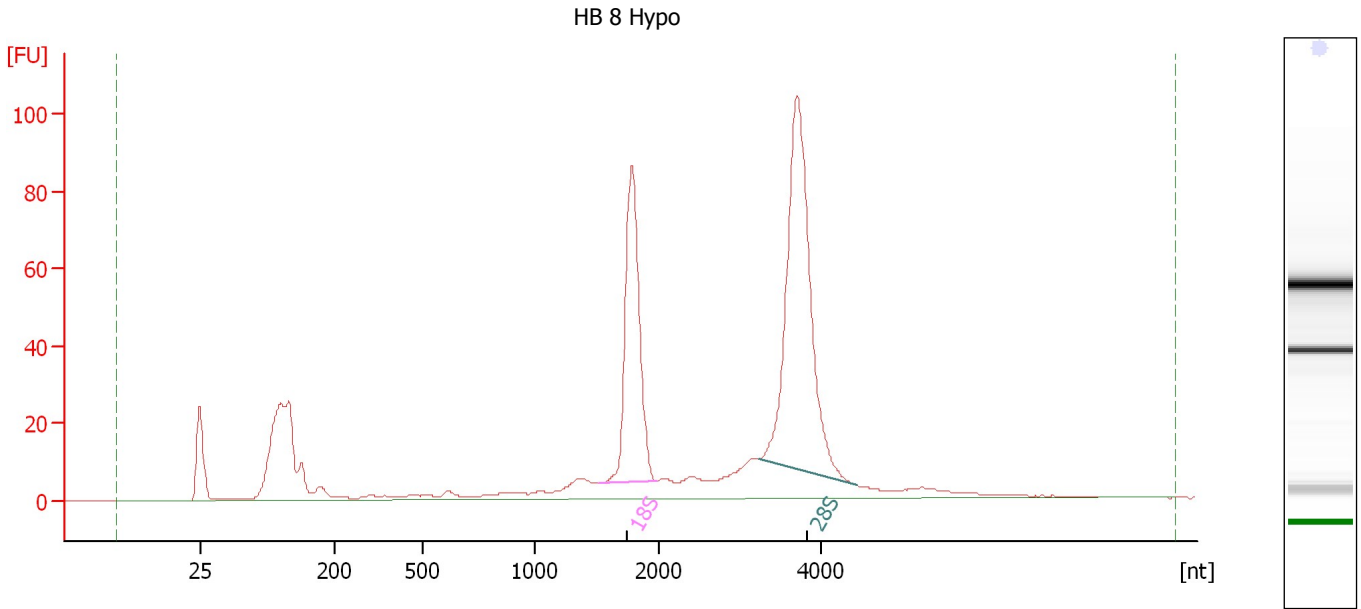
Fragment table for sample 5 : HB 8 Thal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,496	1,929	197.9	21.1
28S	2,881	4,940	326.9	34.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HB 8 Hypo

RNA Area: 744.4 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 2,406 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.70

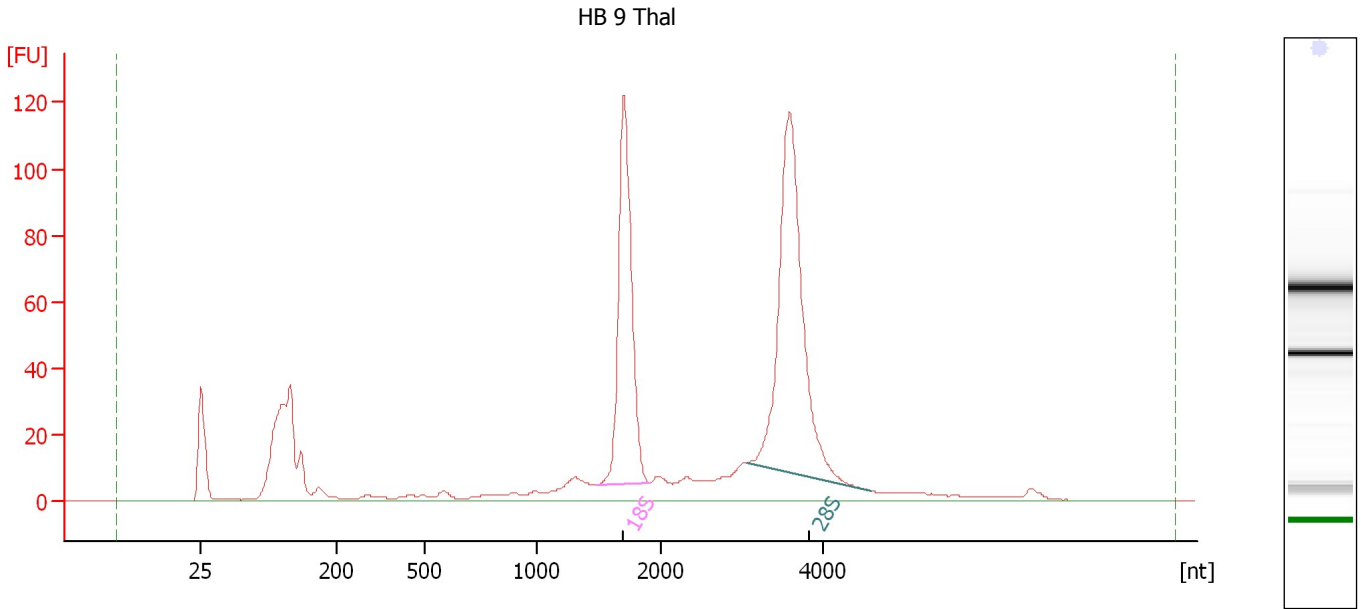
Fragment table for sample 6 : HB 8 Hypo

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,510	1,974	141.2	19.0
28S	3,230	4,434	237.6	31.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : HB 9 Thal

RNA Area: 899.6 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 2,907 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 9.50

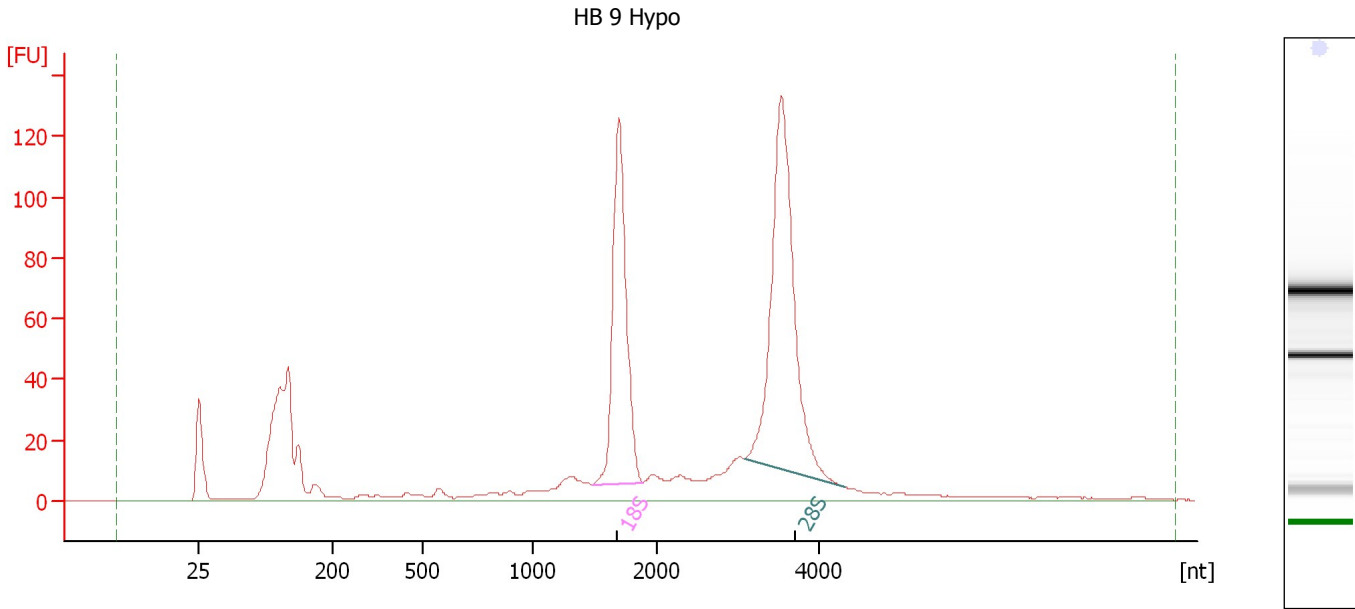
Fragment table for sample 7 : HB 9 Thal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,477	1,898	189.4	21.1
28S	3,057	4,588	268.4	29.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : HB 9 Hypo

RNA Area: 998.2 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 3,226 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.50

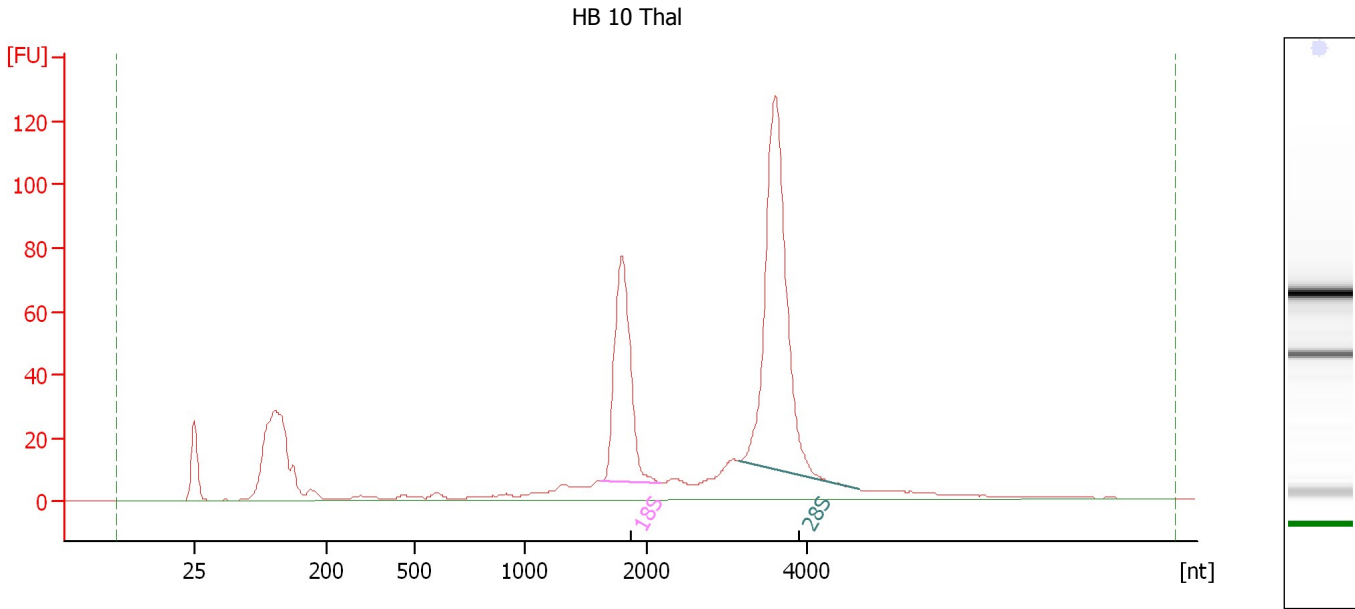
Fragment table for sample 8 : HB 9 Hypo

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,473	1,887	197.5	19.8
28S	3,073	4,332	291.0	29.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : HB 10 Thal

RNA Area: 827.2 RNA Integrity Number (RIN): 9.6 (B.02.08)
RNA Concentration: 2,674 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 9.60

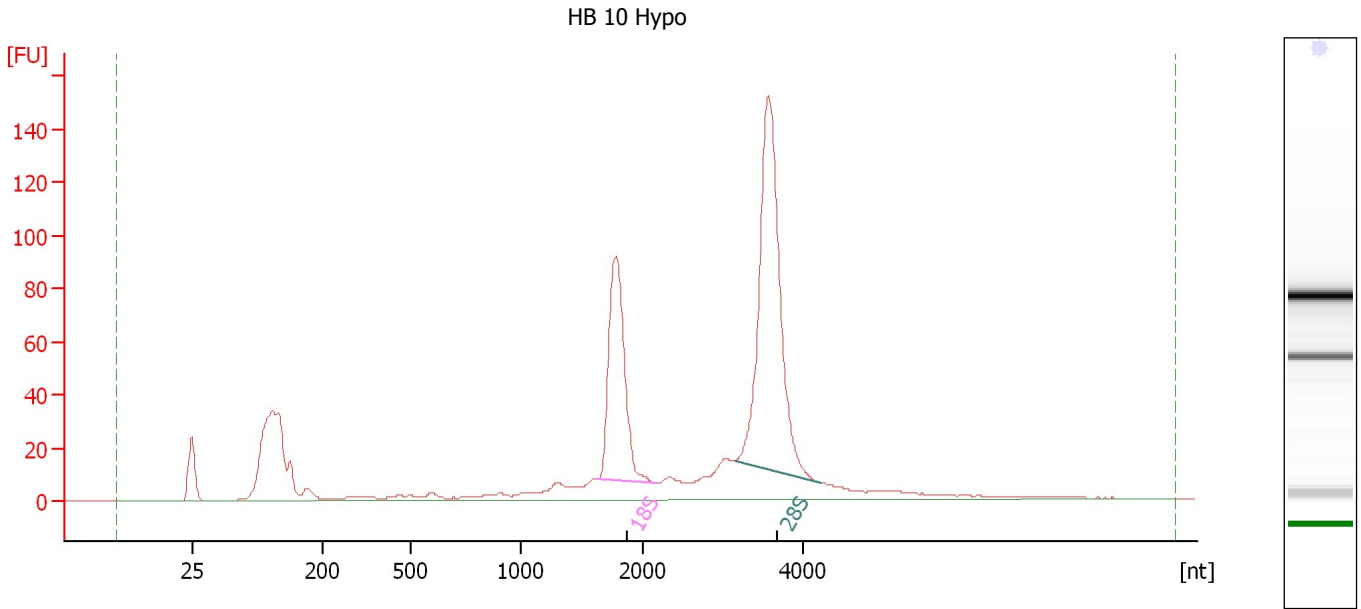
Fragment table for sample 9 : HB 10 Thal

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,621	2,168	141.7	17.1
28S	3,146	4,647	266.0	32.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : HB 10 Hypo

RNA Area: 984.8 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 3,183 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 9.50

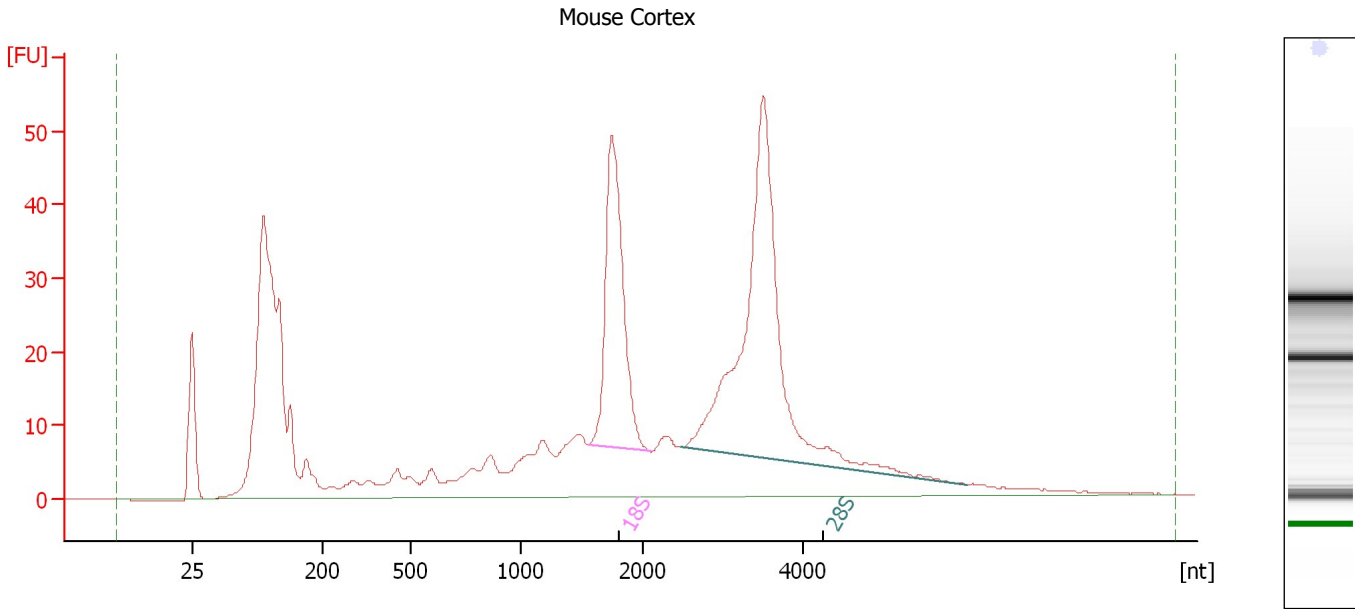
Fragment table for sample 10 : HB 10 Hypo

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,618	2,166	167.8	17.0
28S	3,162	4,225	310.9	31.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
 Modified: 9/2/2016 10:44:58 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Mouse Cortex

RNA Area:	775.9	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	2,508 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.30

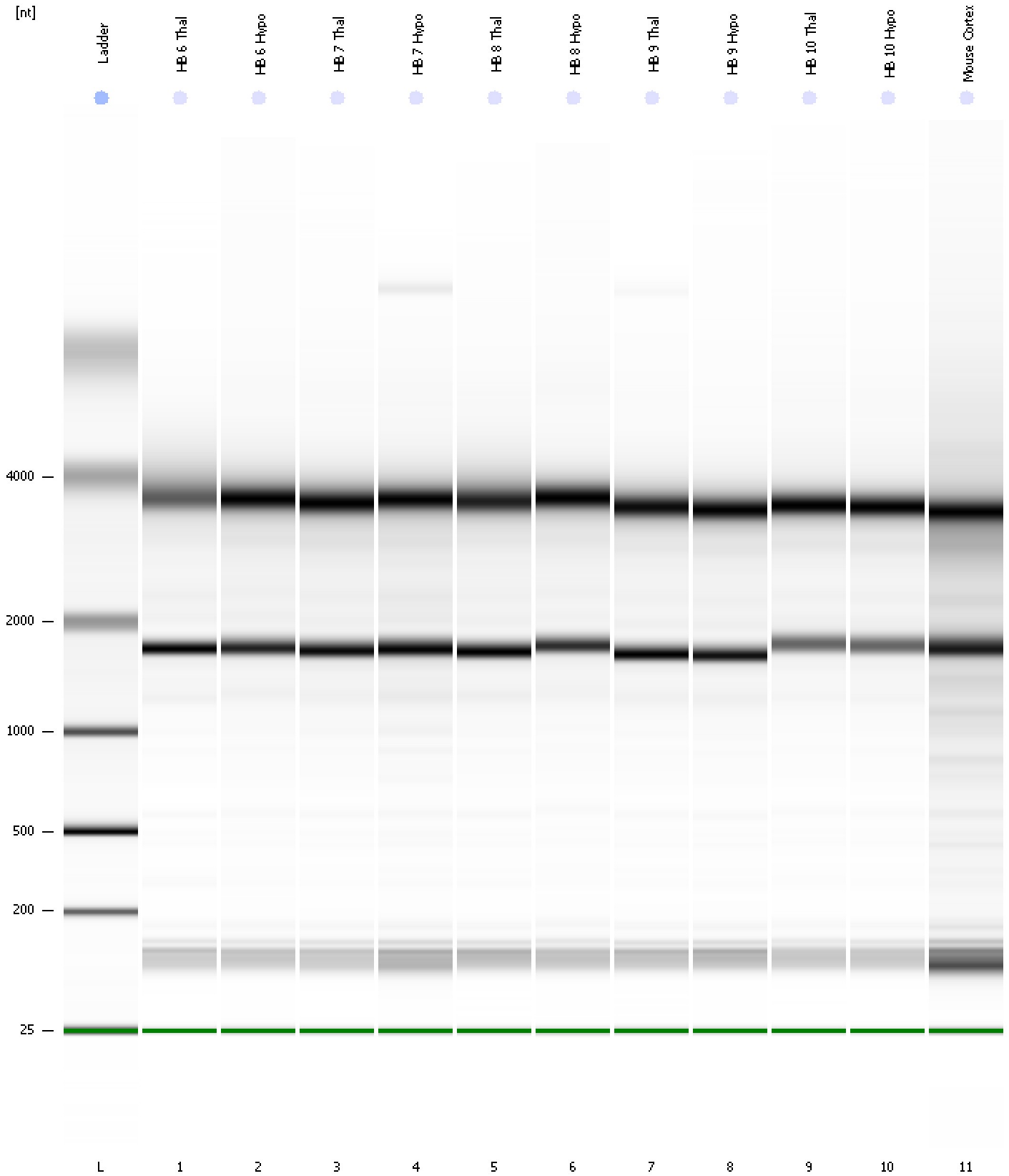
Fragment table for sample 11 : Mouse Cortex

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,548	2,086	93.8	12.1
28S	2,463	6,083	179.7	23.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
Modified: 9/2/2016 10:44:58 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad

Created: 9/2/2016 10:22:03 AM
 Modified: 9/2/2016 10:44:58 AM

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		9/2/2016 10:44:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-09-02\2016-09-02_001.xad)		Instrument	Run		9/2/2016 10:22:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/2/2016 10:22:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/2/2016 10:22:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/2/2016 10:22:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/2/2016 10:22:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/2/2016 10:22:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/2/2016 10:22:09 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1