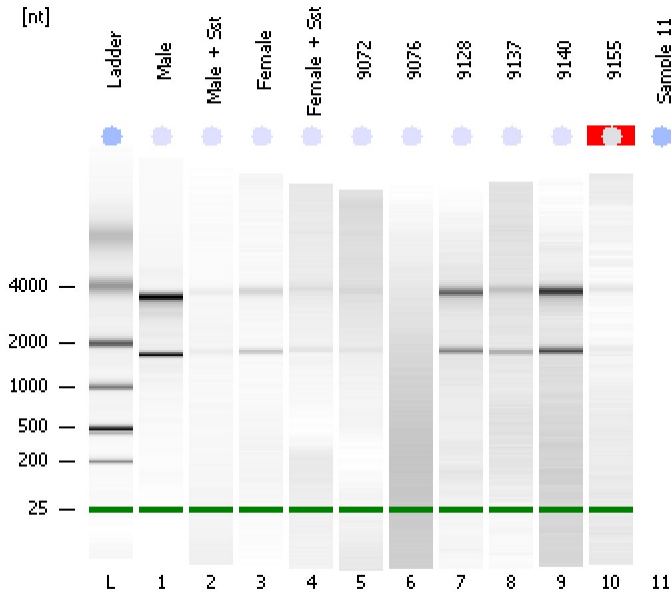


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

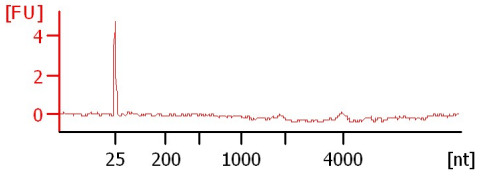
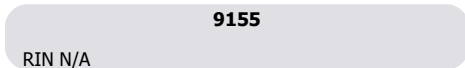
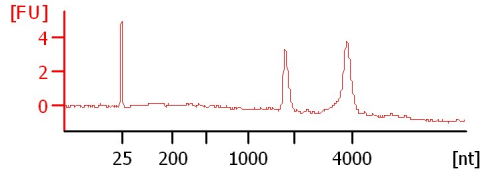
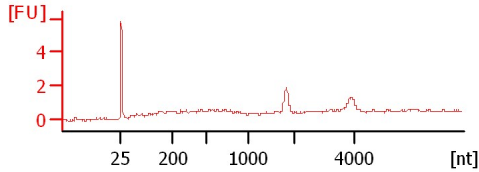
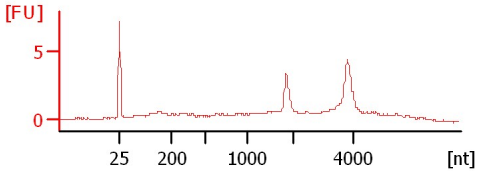
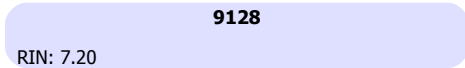
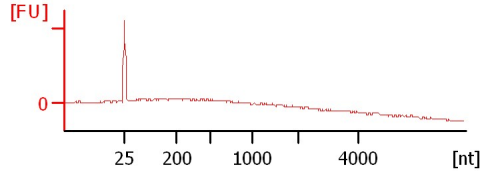
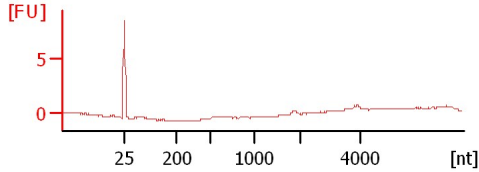
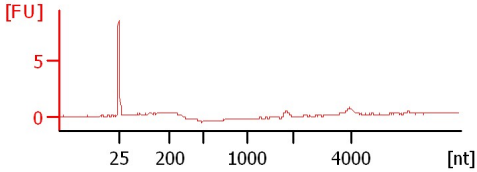
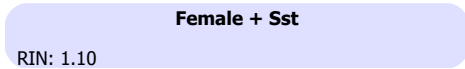
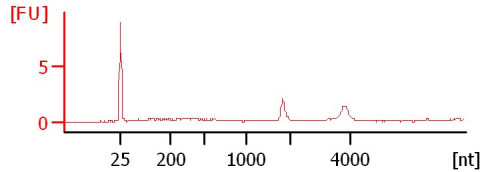
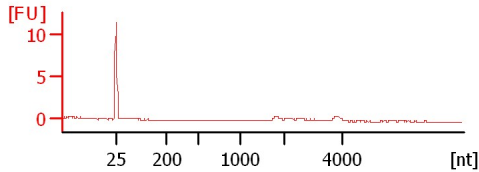
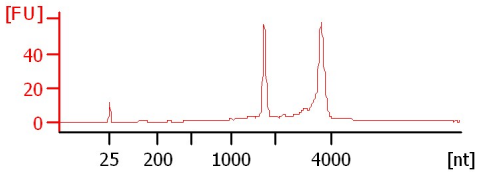
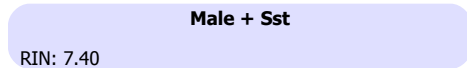
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Male		✓	RIN:9	
Male + Sst		✓	RIN: 7.40	
Female		✓	RIN: 8.50	
Female + Sst		✓	RIN: 1.10	
9072		✓	RIN: 1.10	
9076		✓	RIN: 1.20	
9128		✓	RIN: 7.20	
9137		✓	RIN: 7.20	
9140		✓	RIN:8	
9155		✓	RIN N/A	
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 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/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 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

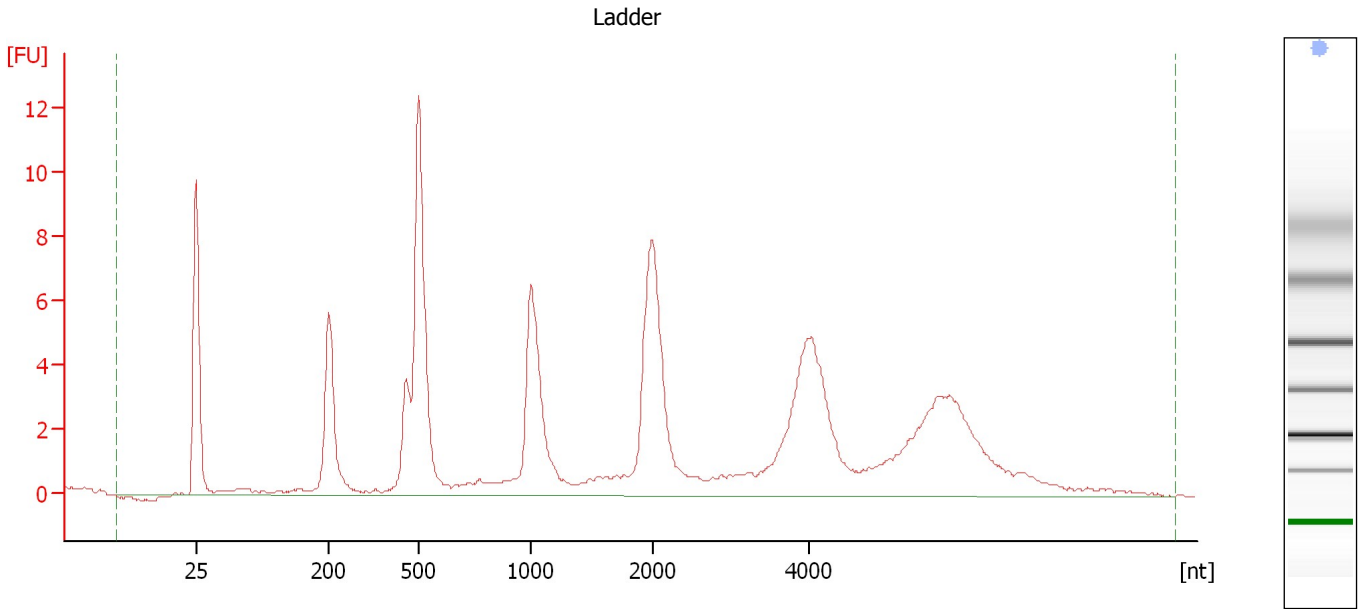
Ladder

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\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Electropherogram Summary



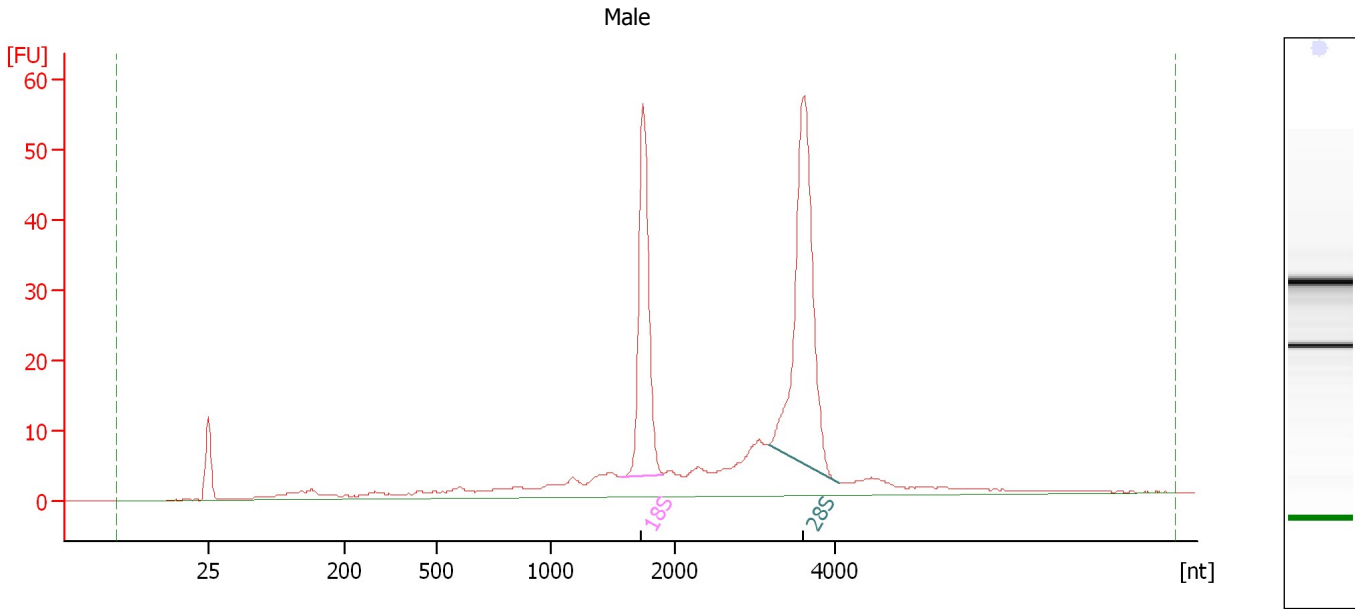
Overall Results for Ladder

RNA Area:	130.2	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\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Male

RNA Area: 323.7 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 2,486 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN:9

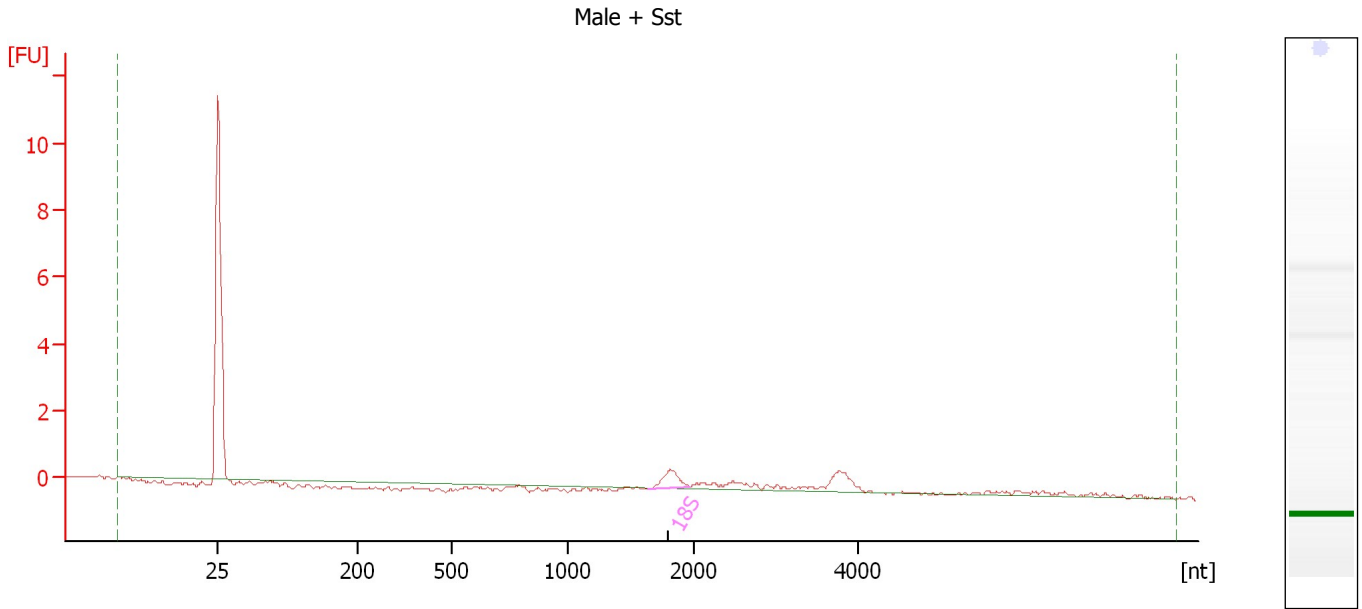
Fragment table for sample 1 : Male

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,903	62.4	19.3
28S	3,175	4,045	97.0	30.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Male + Sst

RNA Area:	6.1	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	47 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.40

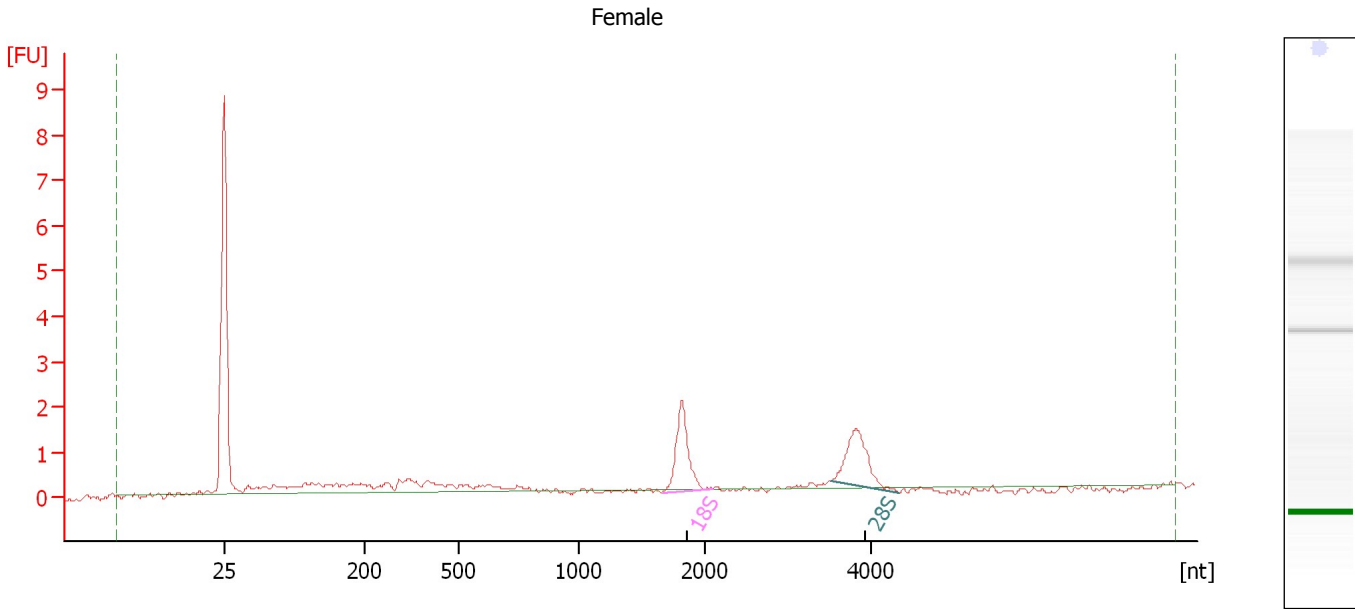
Fragment table for sample 2 : Male + Sst

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,631	1,971	1.1	17.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
 Modified: 2/23/2017 11:58:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Female

RNA Area:	12.8	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	98 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.50

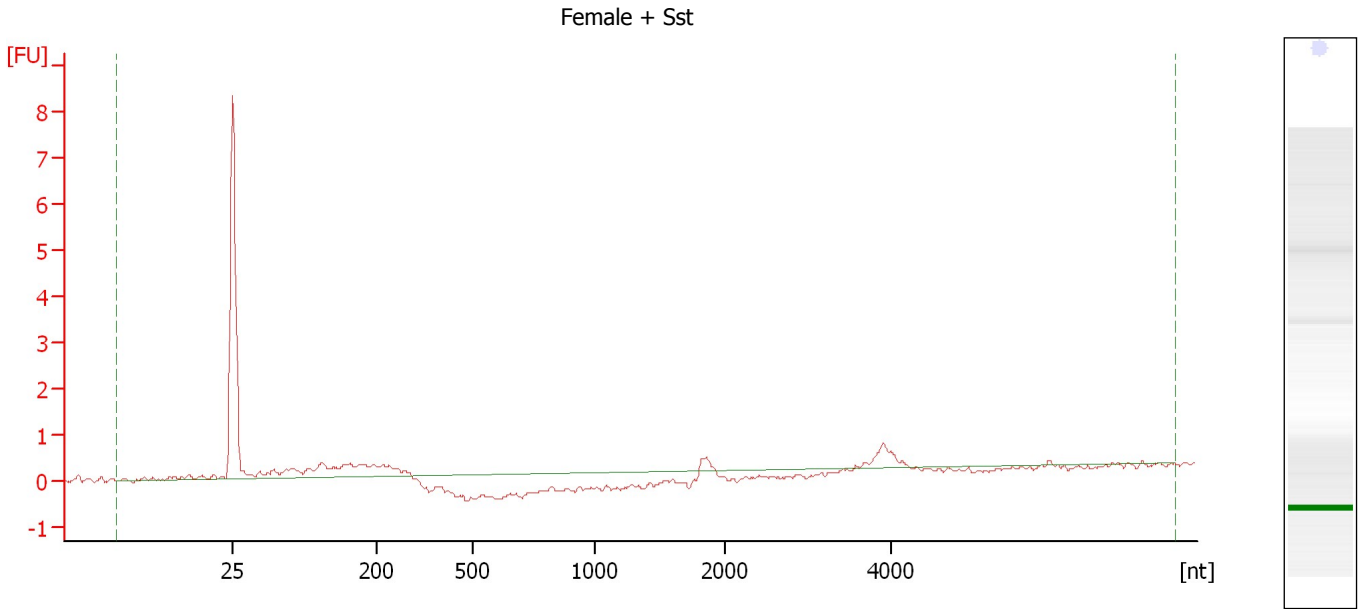
Fragment table for sample 3 : Female

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,657	2,091	2.8	22.0
28S	3,531	4,335	2.7	20.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Electropherogram Summary Continued ...



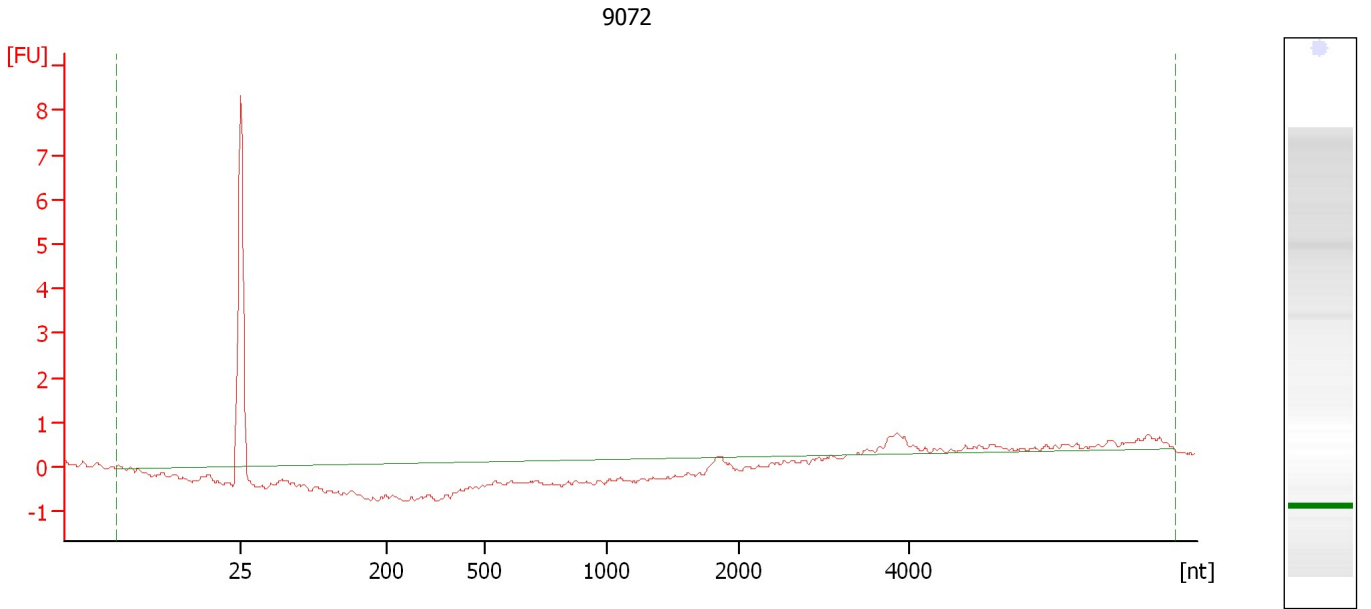
Overall Results for sample 4 : Female + Sst

RNA Area:	7.3	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	56 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 9072

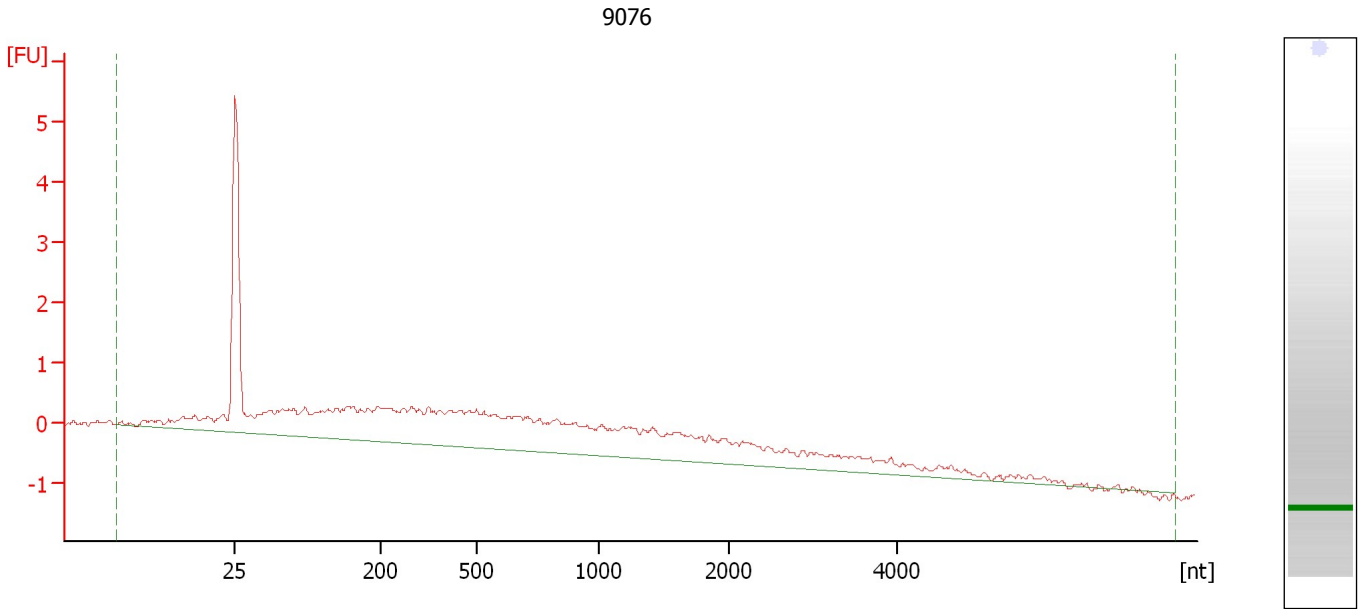
RNA Area: 3.4
RNA Concentration: 26 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.1 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Electropherogram Summary Continued ...



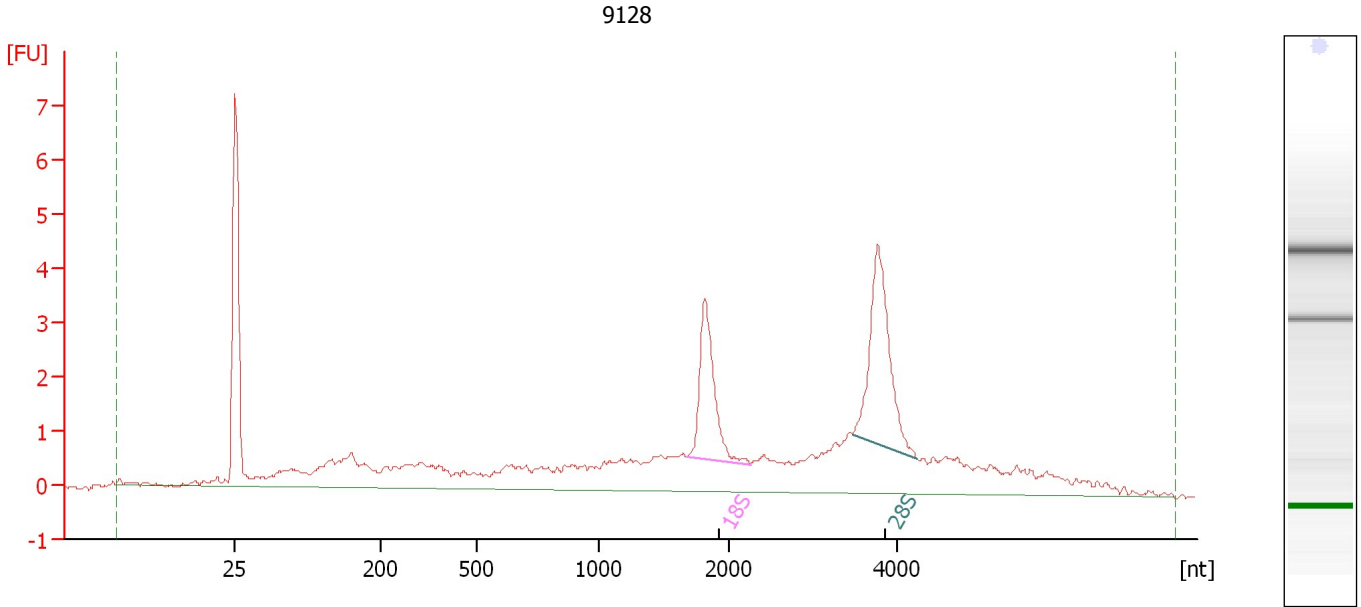
Overall Results for sample 6 : 9076

RNA Area:	40.3	RNA Integrity Number (RIN):	1.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	309 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 9128

RNA Area:	55.4	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	426 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.20

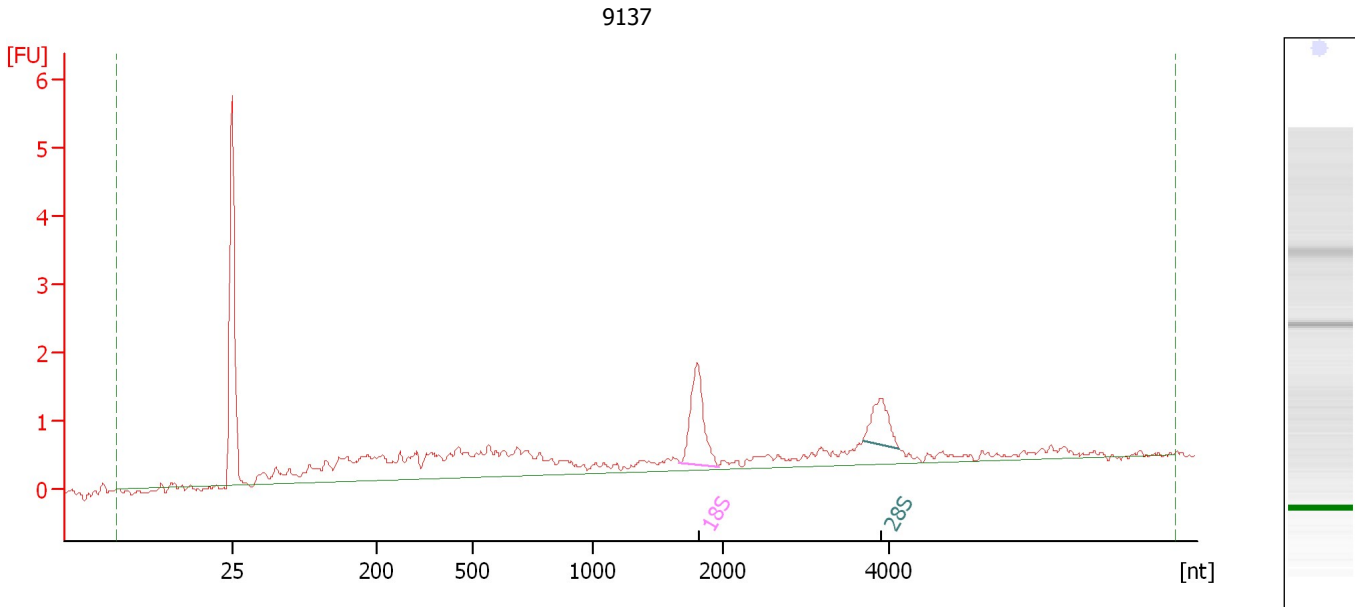
Fragment table for sample 7 : 9128

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,679	2,265	4.8	8.7
28S	3,471	4,232	7.0	12.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
 Modified: 2/23/2017 11:58:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 9137

RNA Area:	22.5	RNA Integrity Number (RIN):	7.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	173 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 7.20

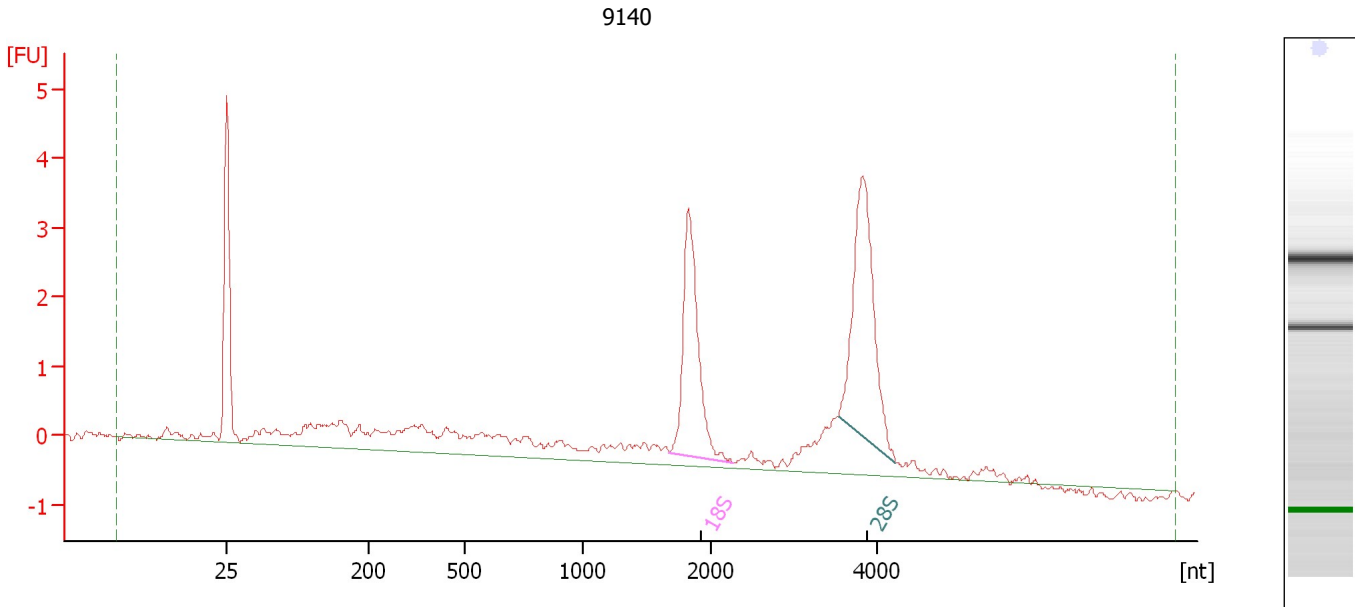
Fragment table for sample 8 : 9137

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,667	1,972	2.3	10.1
28S	3,681	4,102	1.1	4.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9140

RNA Area: 36.1 RNA Integrity Number (RIN): 8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 277 pg/μl
rRNA Ratio [28s / 18s]: 1.2
Result Flagging Color:
Result Flagging Label: RIN:8

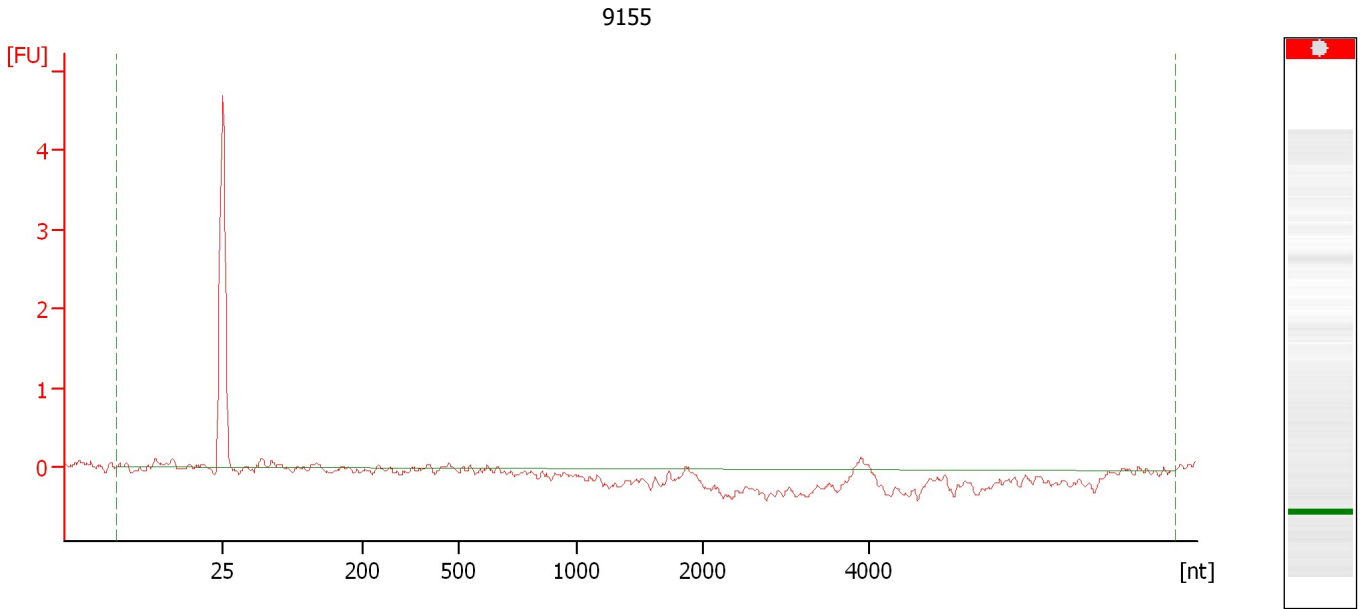
Fragment table for sample 9 : 9140

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	2,261	6.2	17.2
28S	3,525	4,221	7.6	21.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Electropherogram Summary Continued ...



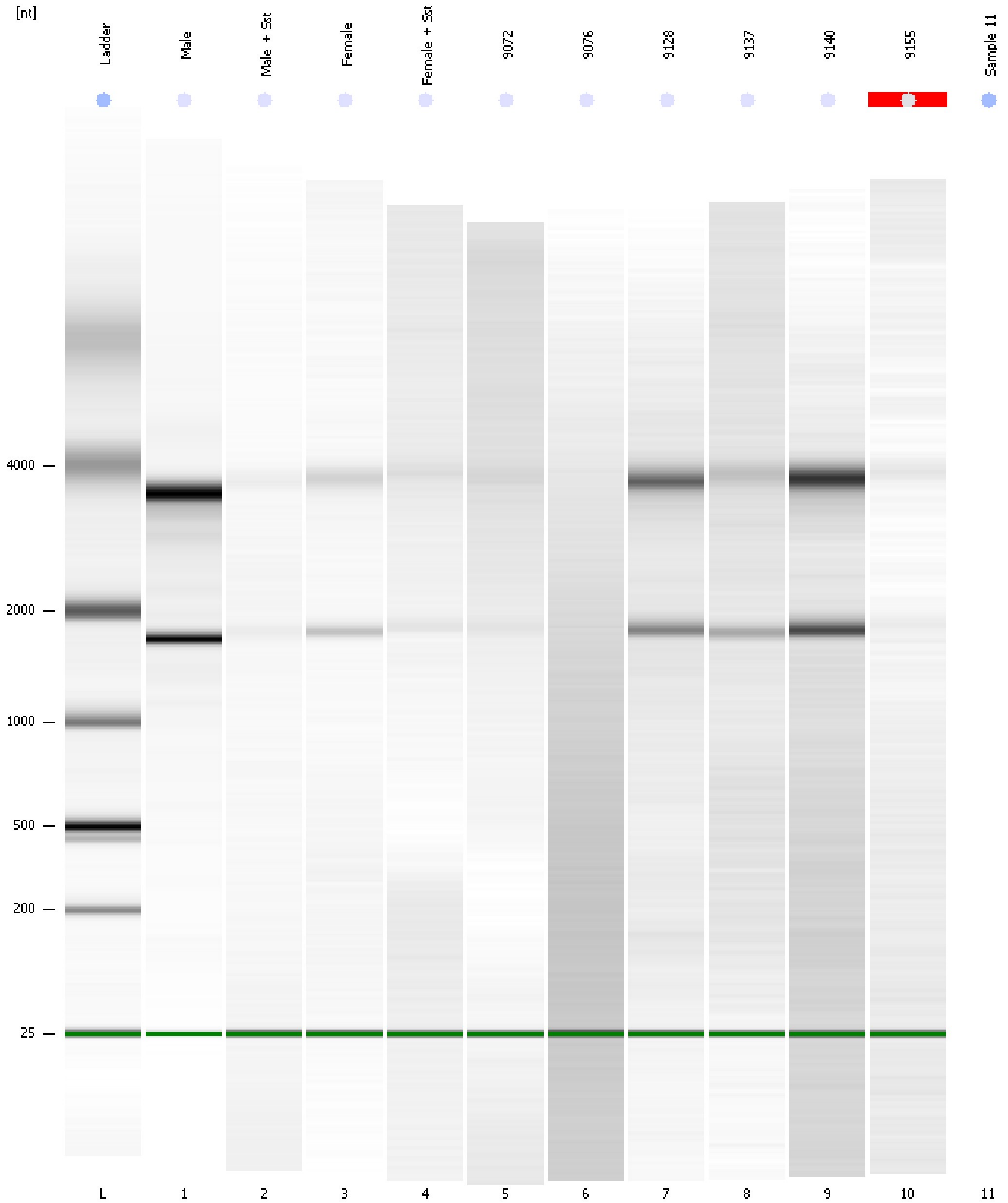
Overall Results for sample 10 : 9155

RNA Area:	1.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	10 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\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
Modified: 2/23/2017 11:58:14 AM

Invalid Samples

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad

Created: 2/23/2017 11:05:19 AM
 Modified: 2/23/2017 11:58:14 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		2/23/2017 11:26:47 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-02-23\2017-02-23_003.xad)		Instrument	Run		2/23/2017 11:05:25 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/23/2017 11:05:25 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/23/2017 11:05:25 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/23/2017 11:05:25 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/23/2017 11:05:25 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/23/2017 11:05:25 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/23/2017 11:05:25 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1