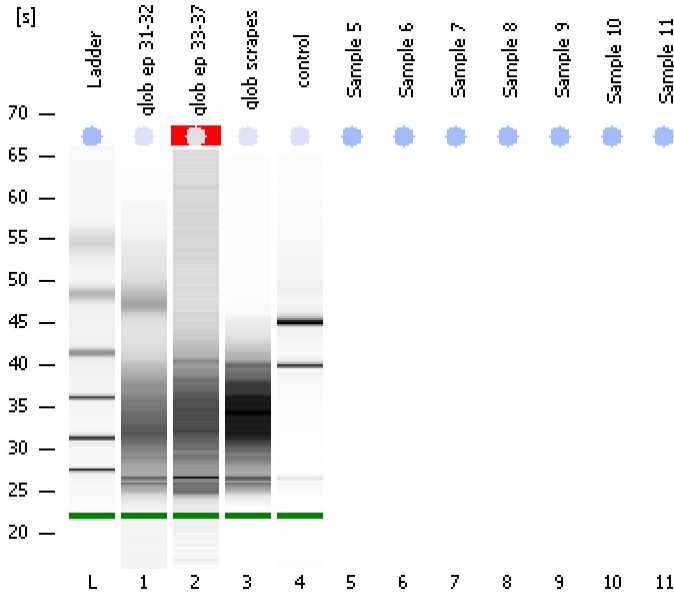


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-25\2014-08-25_001.xad

Created: 8/25/2014 12:33:13 PM
Modified: 8/25/2014 12:48:48 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)

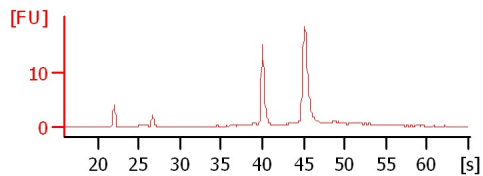
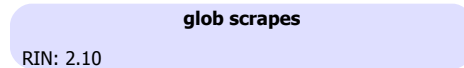
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-25\2014-08-25_001.xad

Created: 8/25/2014 12:33:13 PM
Modified: 8/25/2014 12:48:48 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
glob ep 31-32		✓	RIN: 2.20	
glob ep 33-37		✓	RIN N/A	
glob scrapes		✓	RIN: 2.10	
control		✓	RIN: 9.90	
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
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\2014-08-25\2014-08-25_001.xad

Created: 8/25/2014 12:33:13 PM
Modified: 8/25/2014 12:48:48 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

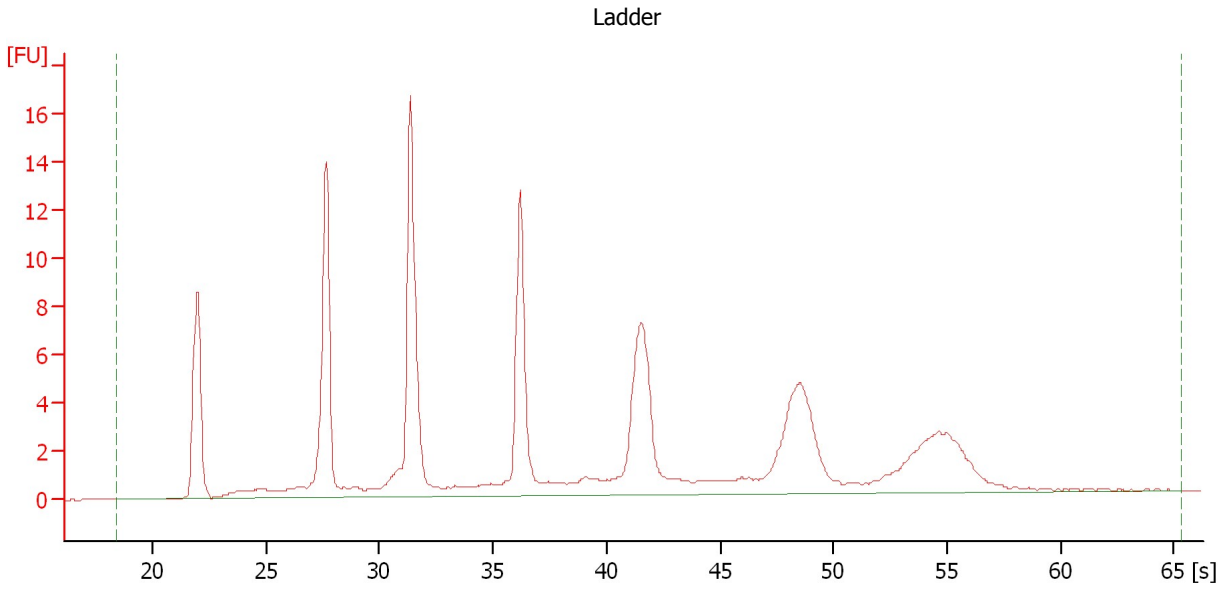
Ladder

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\2014-08-25\2014-08-25_001.xad

Created: 8/25/2014 12:33:13 PM
Modified: 8/25/2014 12:48:48 PM

Electropherogram Summary



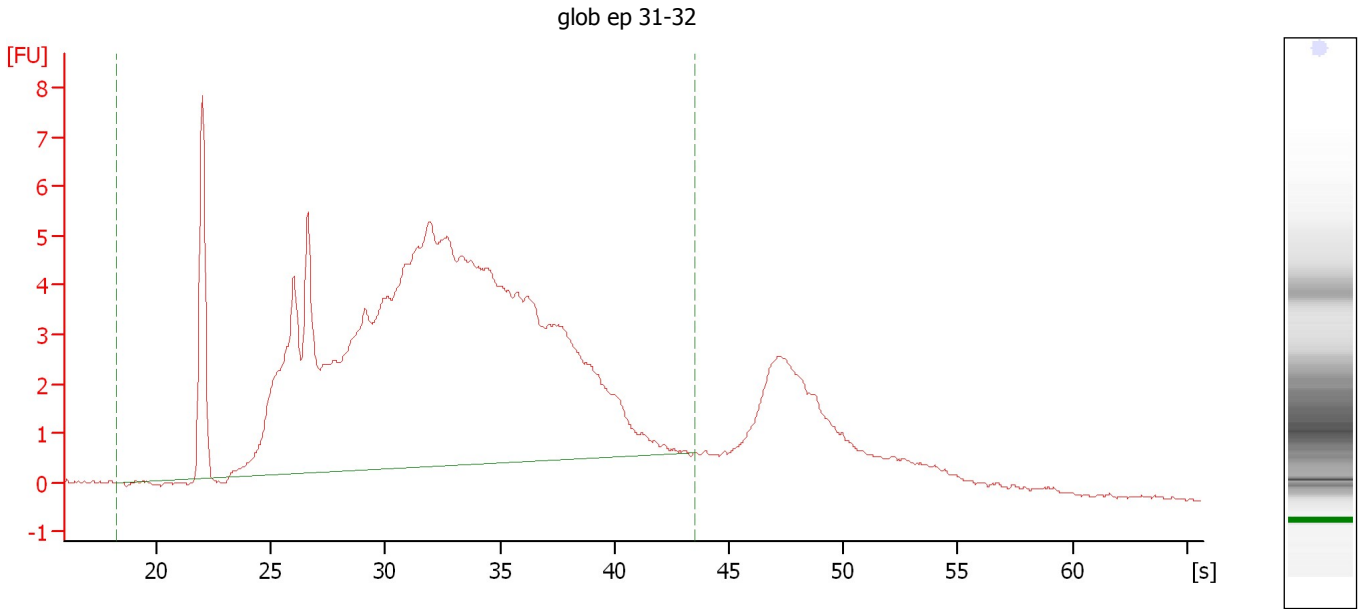
Overall Results for Ladder

RNA Area:	128.8	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\2014-08-25\2014-08-25_001.xad

Created: 8/25/2014 12:33:13 PM
Modified: 8/25/2014 12:48:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : glob ep 31-32

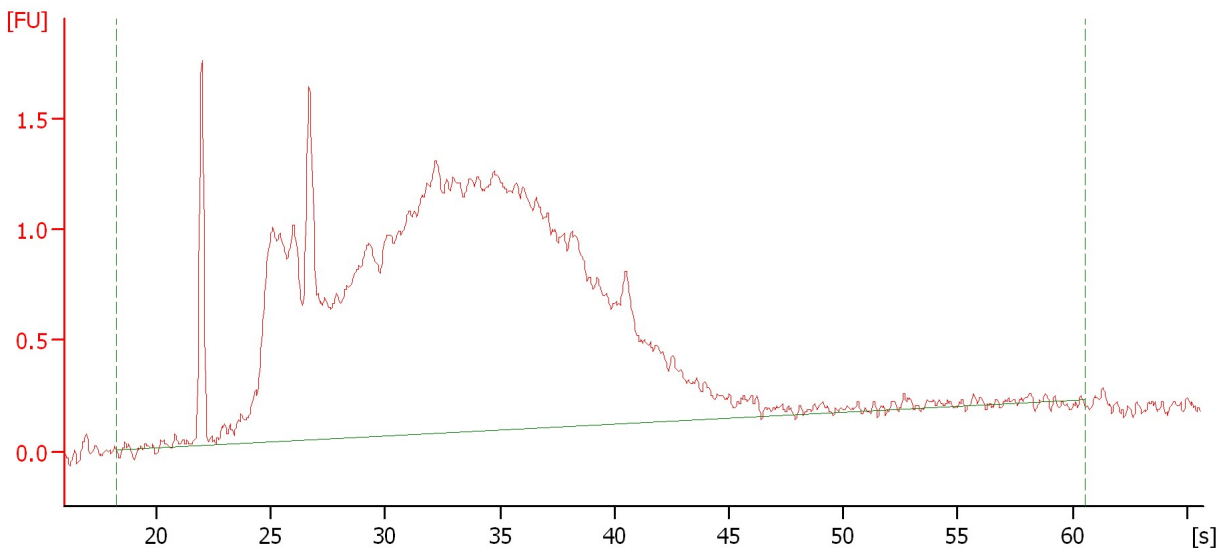
RNA Area:	156.1	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,212 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-25\2014-08-25_001.xad


Created: 8/25/2014 12:33:13 PM
Modified: 8/25/2014 12:48:48 PM

Electropherogram Summary Continued ...

glob ep 33-37



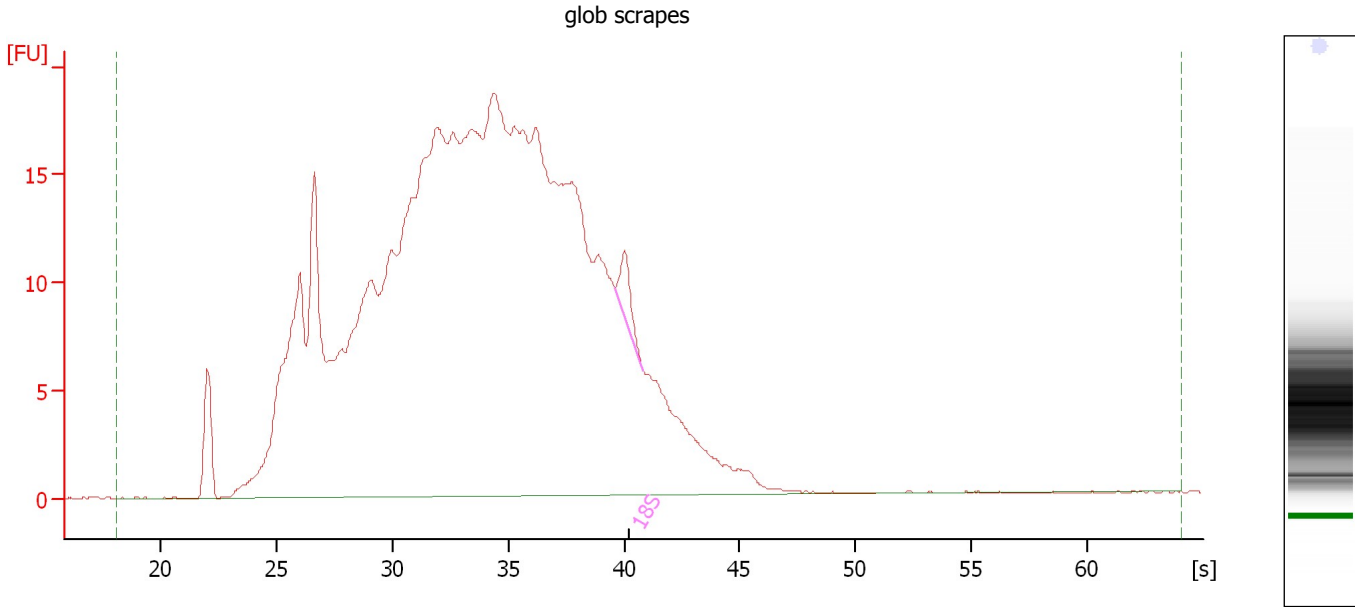
Overall Results for sample 2 : glob ep 33-37

RNA Area:	49.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	382 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\2014-08-25\2014-08-25_001.xad

Created: 8/25/2014 12:33:13 PM
Modified: 8/25/2014 12:48:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : glob scrapes

RNA Area:	641.5	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	4,981 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

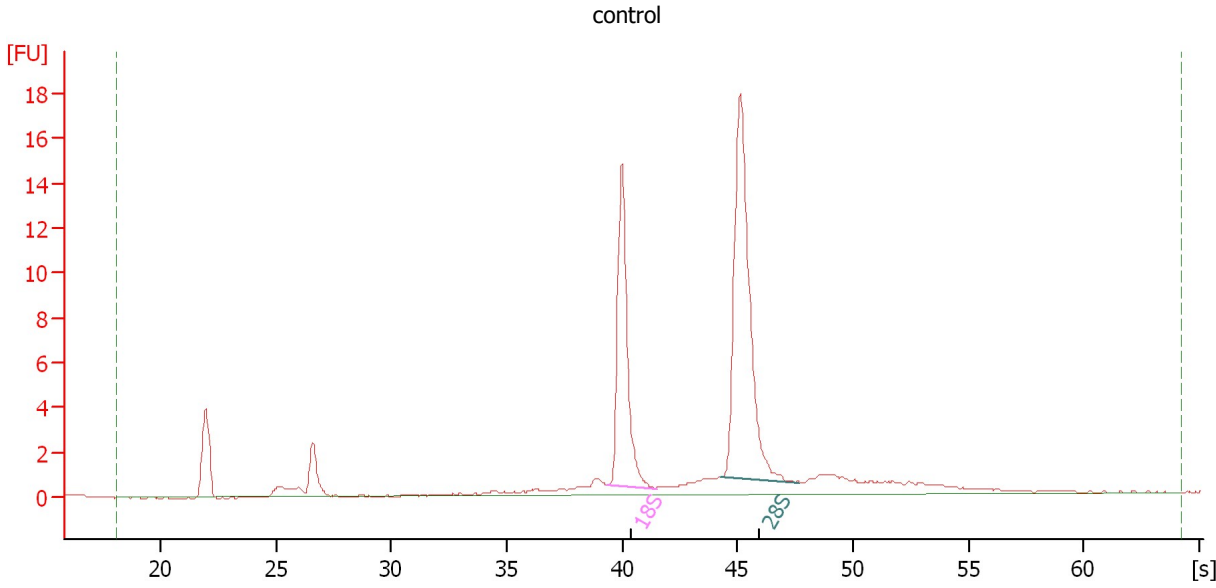
Fragment table for sample 3 : glob scrapes

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.59	40.84	4.0	0.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-25\2014-08-25_001.xad

Created: 8/25/2014 12:33:13 PM
Modified: 8/25/2014 12:48:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : control

RNA Area: 74.3 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 577 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.90

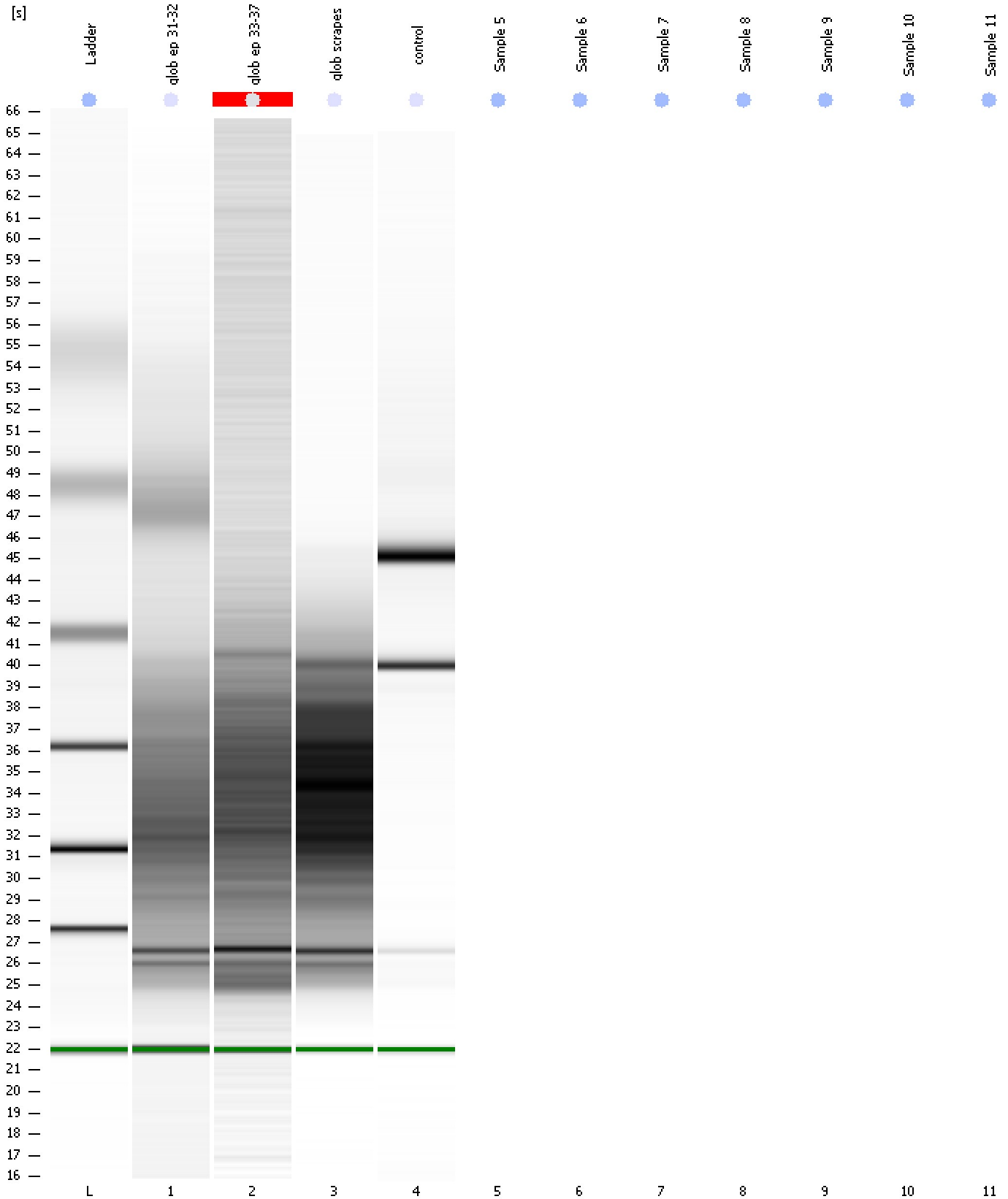
Fragment table for sample 4 : control

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.35	41.49	17.1	23.0
28S	44.28	47.67	28.7	38.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-25\2014-08-25_001.xad

Created: 8/25/2014 12:33:13 PM
Modified: 8/25/2014 12:48:48 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-25\2014-08-25_001.xad

Created: 8/25/2014 12:33:13 PM
Modified: 8/25/2014 12:48:48 PM

Invalid Samples

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2014-08-25\2014-08-25_001.xad

Created: 8/25/2014 12:33:13 PM
 Modified: 8/25/2014 12:48:48 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 5)		Instrument	Run		8/25/2014 12:46:05 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\2014-08-25\2014-08-25_001.xad)		Instrument	Run		8/25/2014 12:33:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/25/2014 12:33:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/25/2014 12:33:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/25/2014 12:33:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/25/2014 12:33:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/25/2014 12:33:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/25/2014 12:33:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1