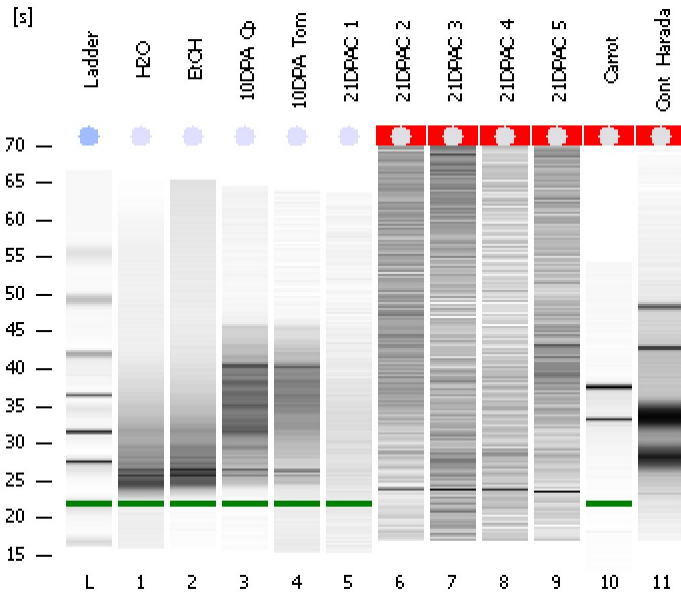


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electrophoresis File Run Summary



Instrument Information:

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

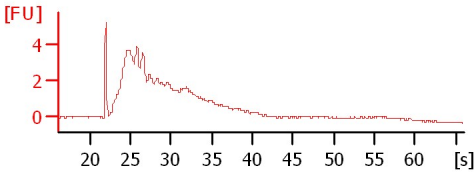
Assay Information:

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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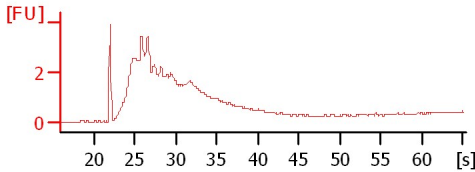
Chip Information:

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

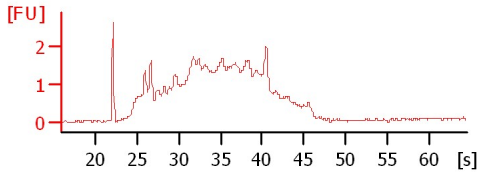
H2O
same slide as scrape
RIN: 2.30



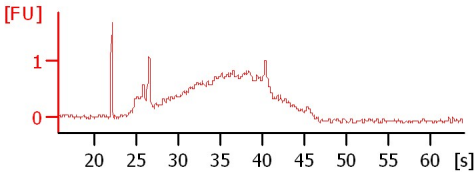
EtOH
same slide as scrape
RIN: 2.30



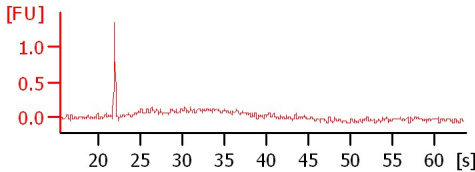
10DPA_Cp
RIN: 3.20



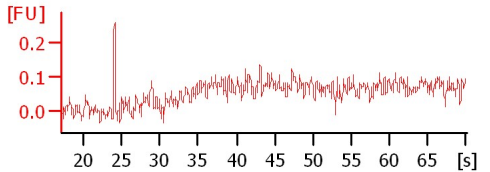
10DPA_Tom
RIN: 2.90



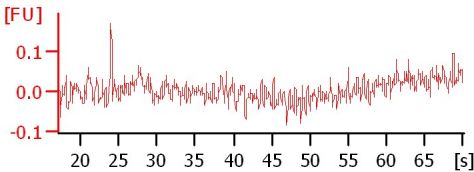
21DPAC_1
RIN: 1.40



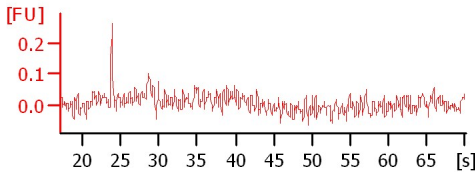
21DPAC_2
RIN N/A



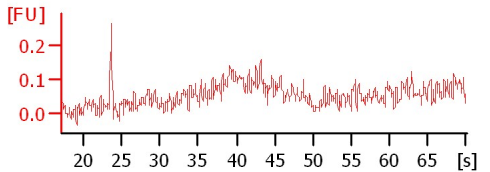
21DPAC_3
RIN N/A



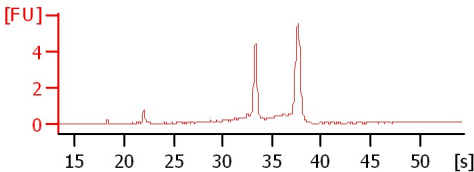
21DPAC_4
RIN N/A



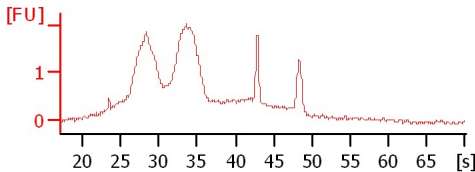
21DPAC_5
RIN N/A



Carrot
RIN N/A



Cont_Harada
RIN N/A



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
H2O	same slide as scrape	✓	RIN: 2.30	
EtOH	same slide as scrape	✓	RIN: 2.30	
10DPA_Cp		✓	RIN: 3.20	
10DPA_Tom		✓	RIN: 2.90	
21DPAC_1		✓	RIN: 1.40	
21DPAC_2		✓	RIN N/A	
21DPAC_3		✓	RIN N/A	
21DPAC_4		✓	RIN N/A	
21DPAC_5		✓	RIN N/A	
Carrot		✓	RIN N/A	
Cont_Harada		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 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

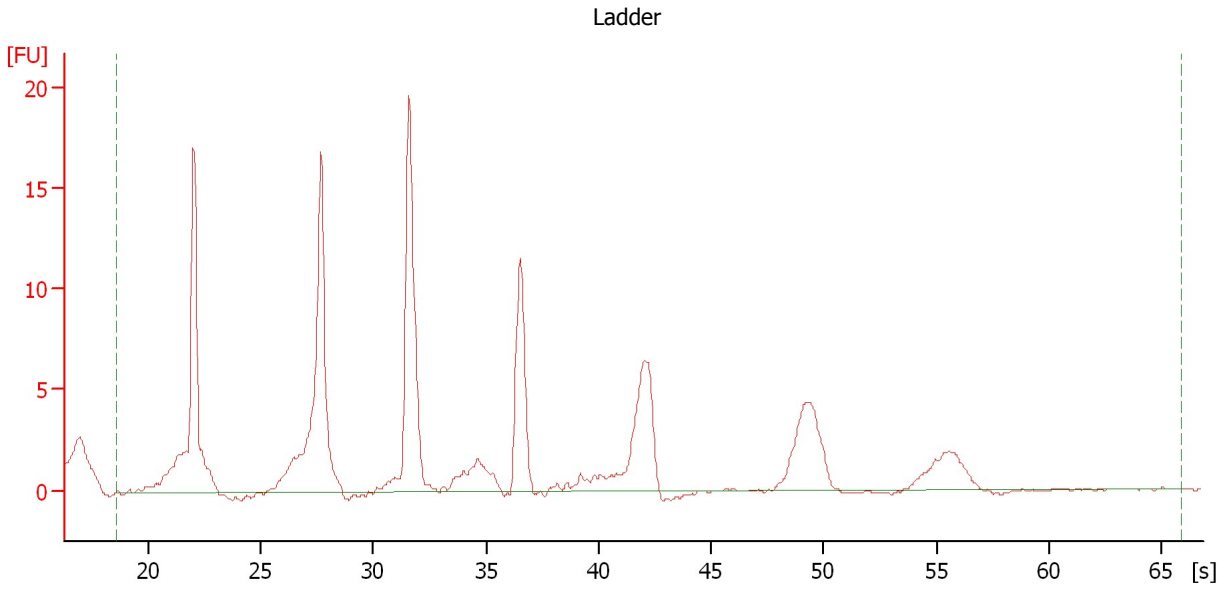
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary



Overall Results for Ladder

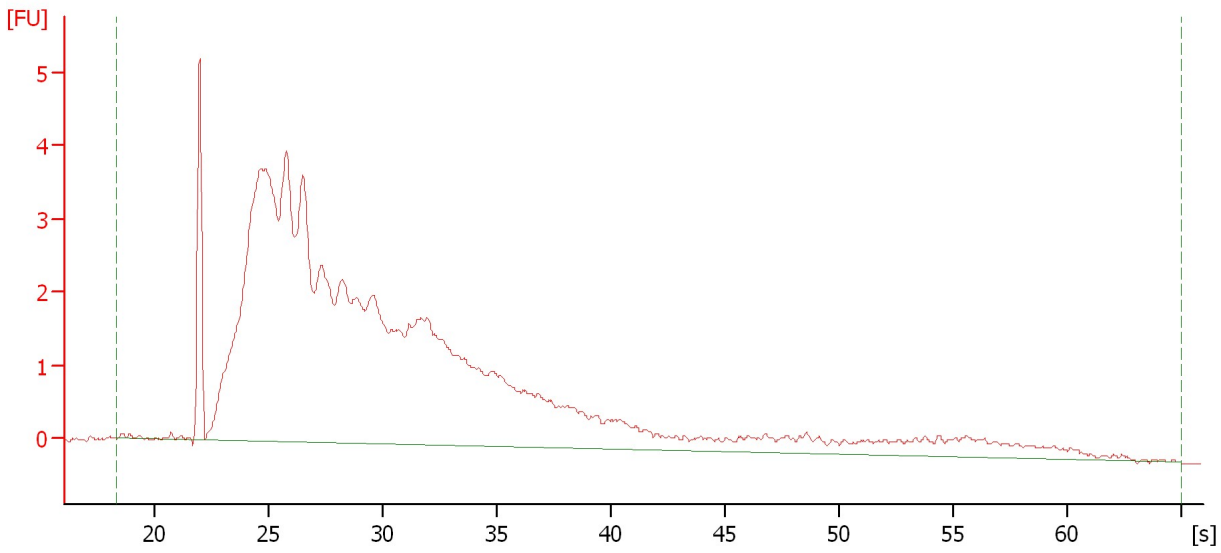
RNA Area:	129.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary Continued ...

H2O [same slide as scrape]



Overall Results for sample 1 : H2O

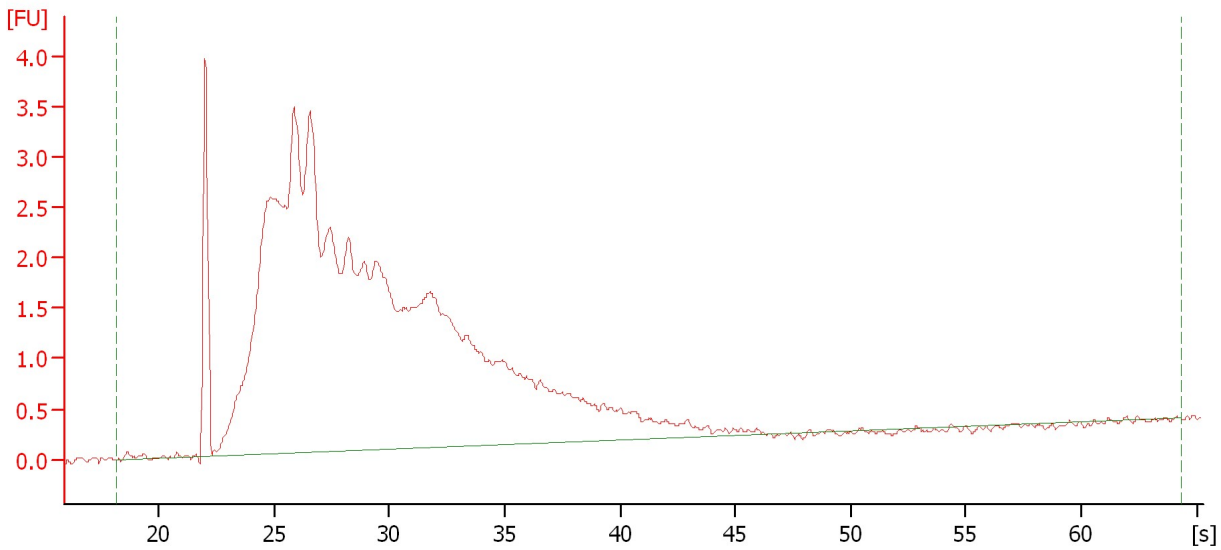
RNA Area:	105.4	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	814 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary Continued ...

EtOH [same slide as scrape]



Overall Results for sample 2 : EtOH

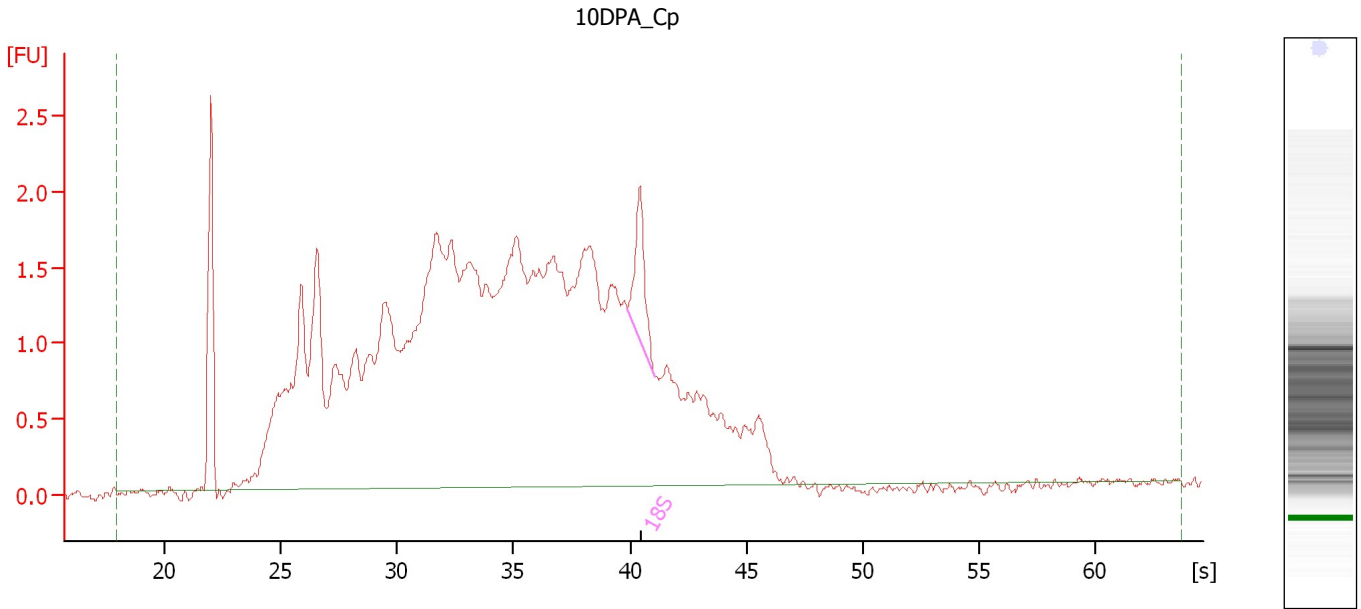
RNA Area: 79.7
RNA Concentration: 615 µg/µl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2.3 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 10DPA Cp

RNA Area: 66.4 RNA Integrity Number (RIN): 3.2 (B.02.08)
RNA Concentration: 513 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 3.20

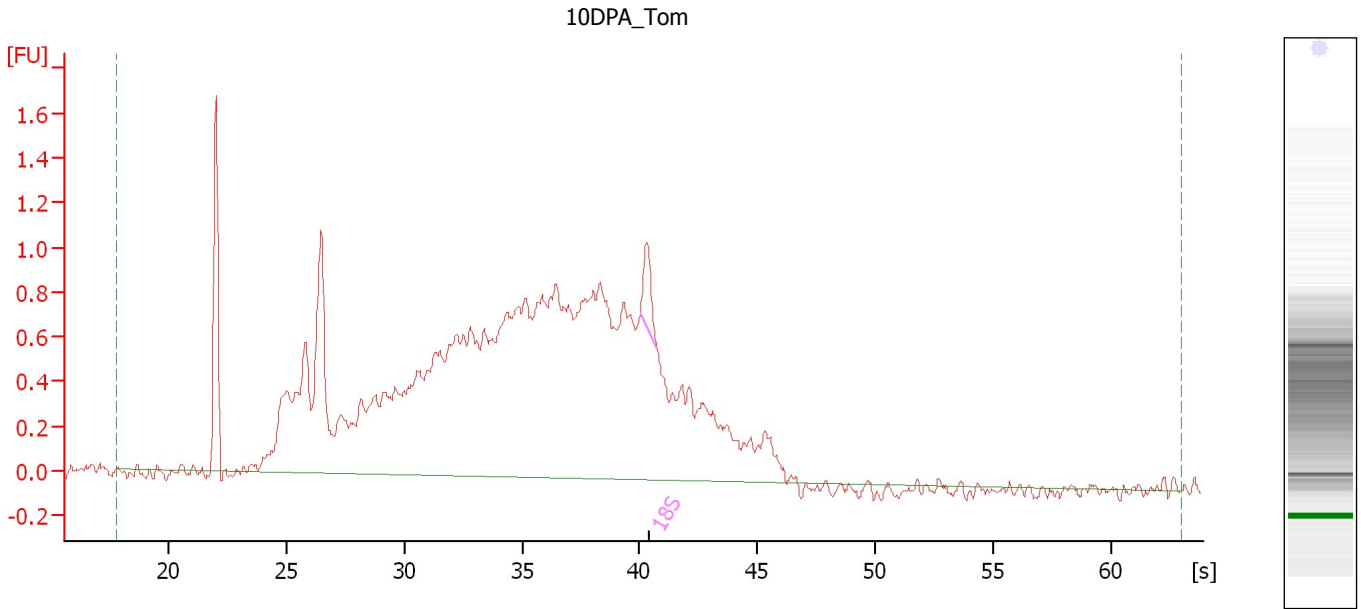
Fragment table for sample 3 : 10DPA Cp

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,606	1,813	1.2	1.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 10DPA Tom

RNA Area: 31.8 RNA Integrity Number (RIN): 2.9 (B.02.08)
RNA Concentration: 246 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 2.90

Fragment table for sample 4 : 10DPA Tom

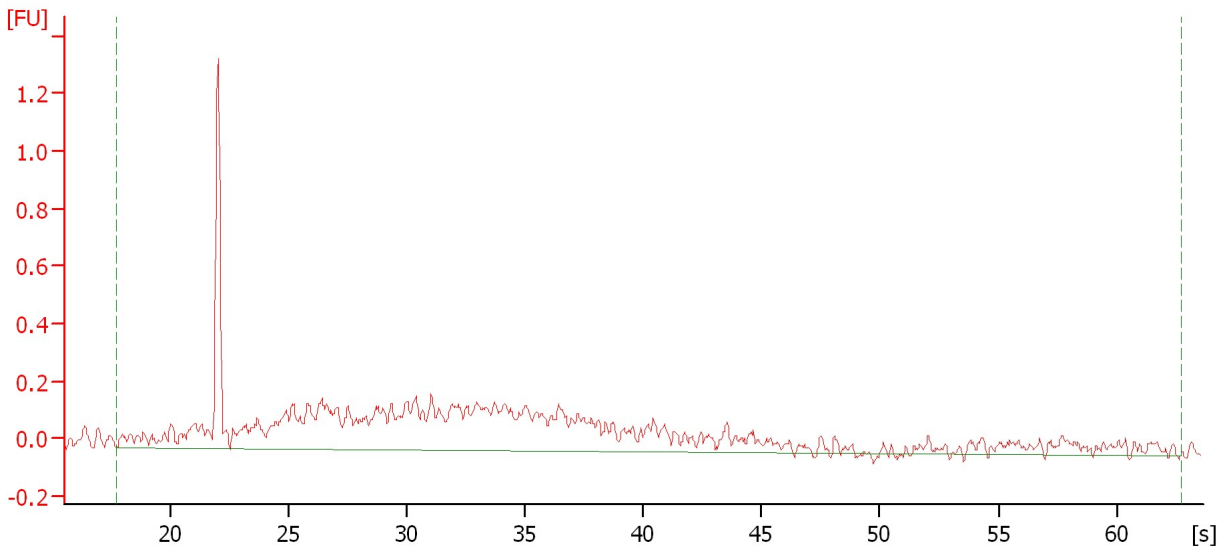
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,630	1,761	0.3	1.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary Continued ...

21DPAC_1



Overall Results for sample 5 : 21DPAC_1

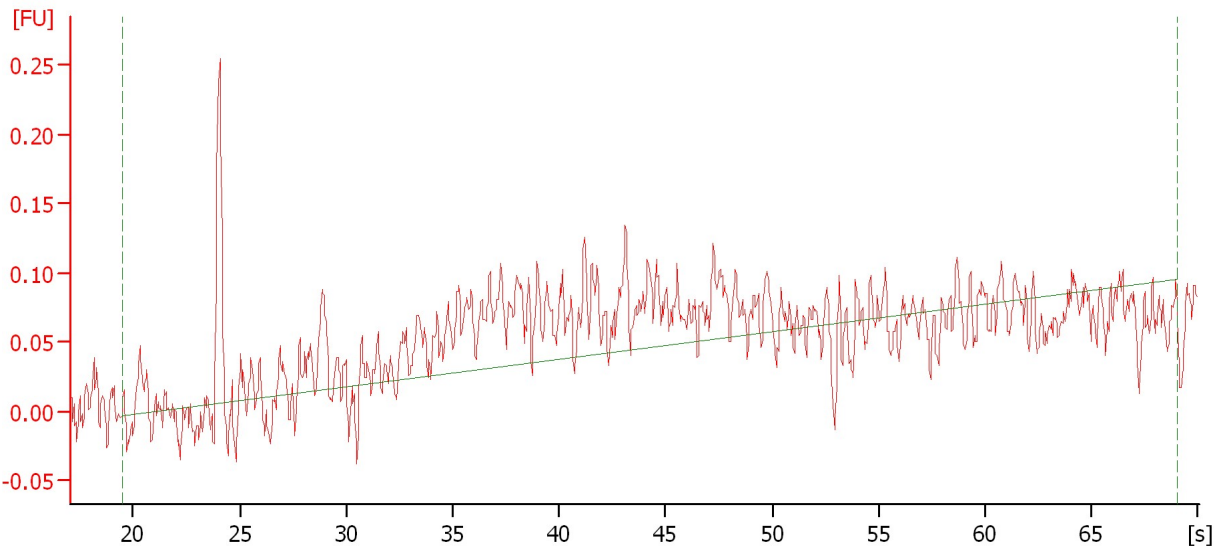
RNA Area:	8.7	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	67 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary Continued ...

21DPAC_2



Overall Results for sample 6 : 21DPAC 2

RNA Concentration: 17 pg/ μ l
rRNA Ratio [28s / 18s]: 0.0

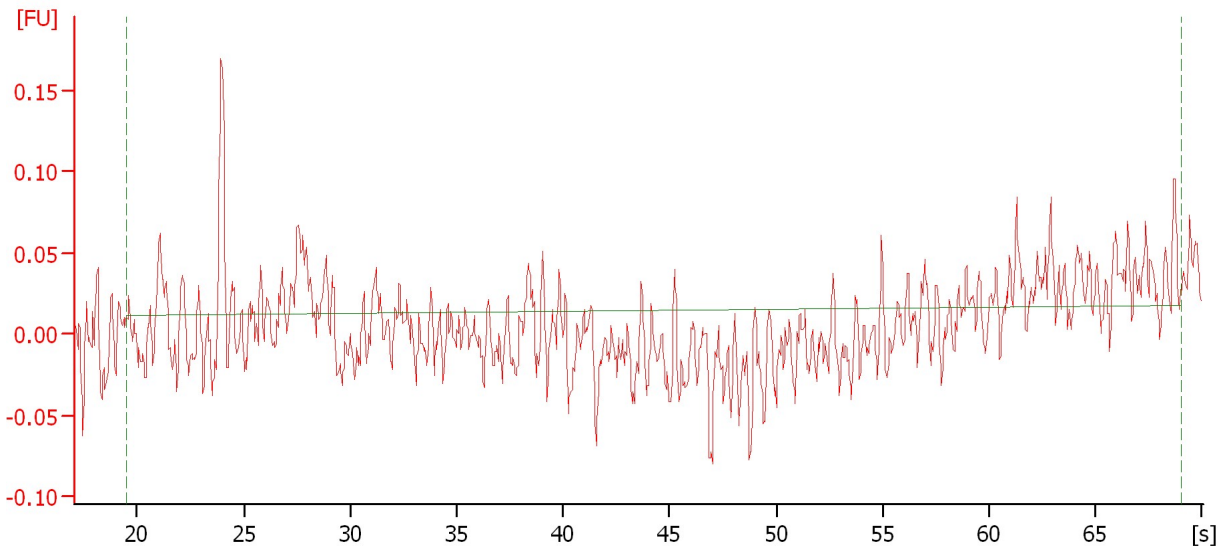
Result Flagging Color:
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary Continued ...

21DPAC_3



Overall Results for sample 7 : 21DPAC 3

RNA Concentration: 6 pg/μl
rRNA Ratio [28s / 18s]: 0.0

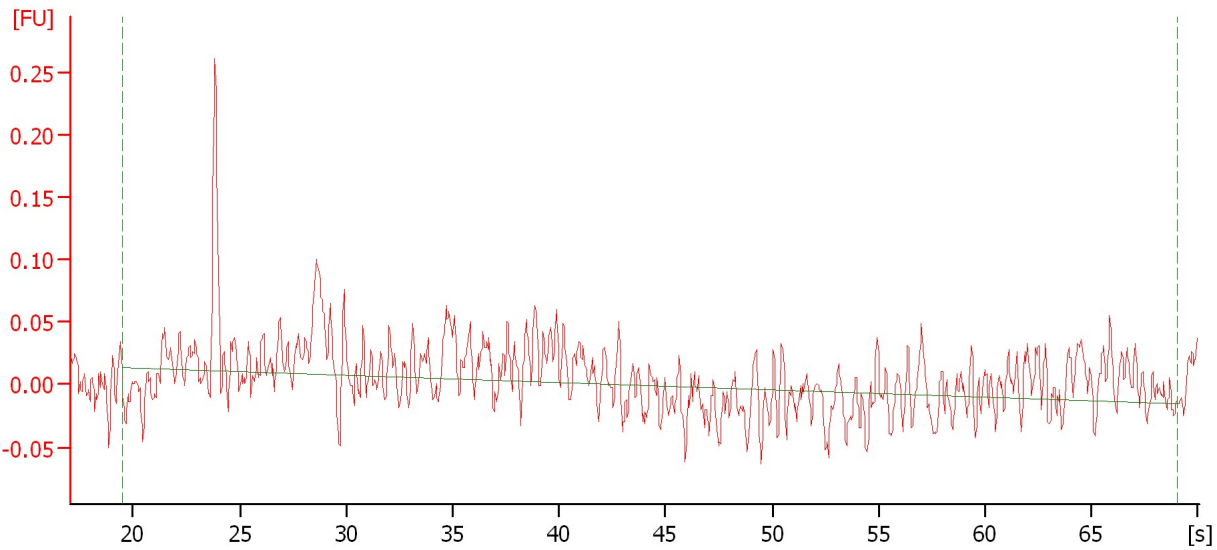
Result Flagging Color:
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary Continued ...

21DPAC_4



Overall Results for sample 8 : 21DPAC 4

RNA Concentration: 13 pg/ μ l
rRNA Ratio [28s / 18s]: 0.0

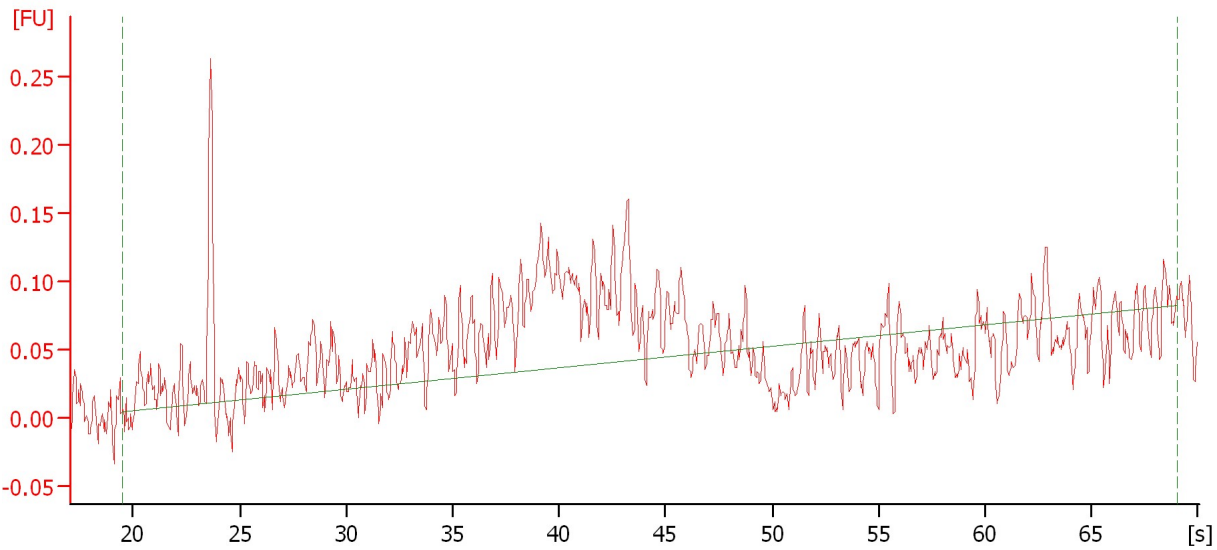
Result Flagging Color:
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary Continued ...

21DPAC_5



Overall Results for sample 9 : 21DPAC 5

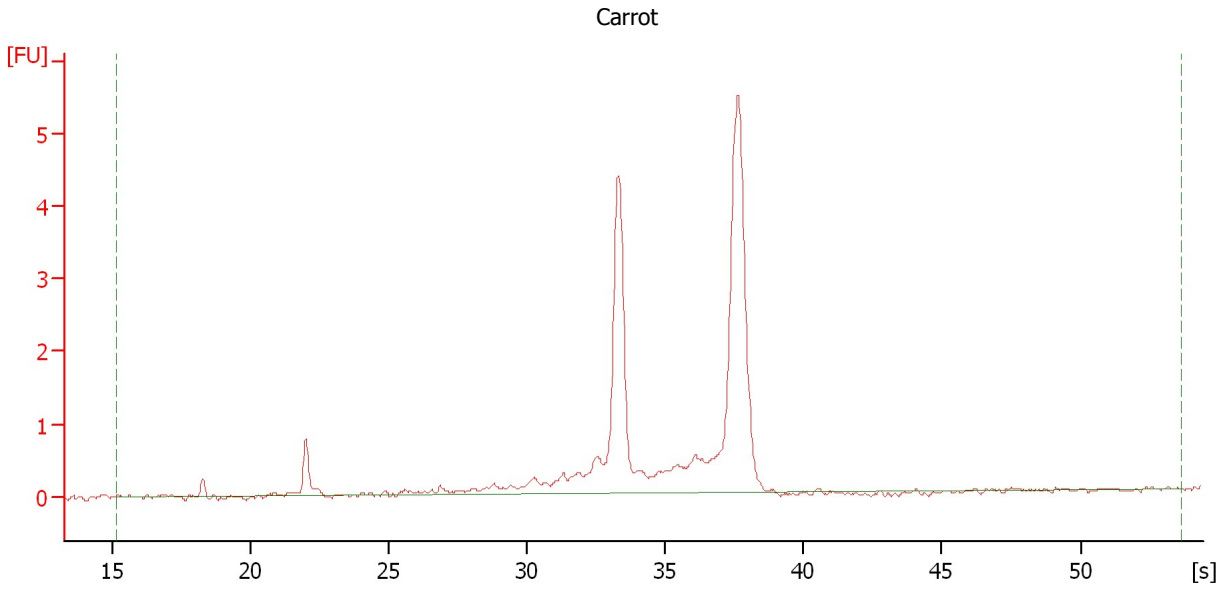
RNA Concentration: 19 pg/μl
rRNA Ratio [28s / 18s]: 0.0

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary Continued ...



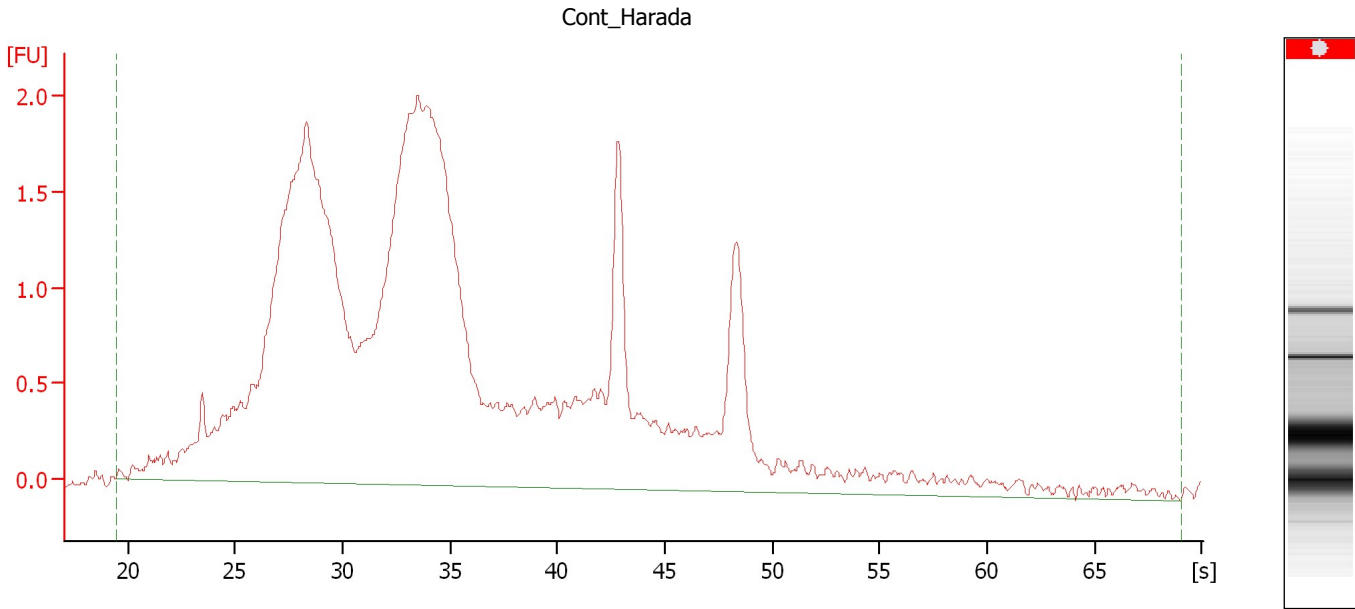
Overall Results for sample 10 : Carrot

RNA Area:	21.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	169 µg/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:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Electropherogram Summary Continued ...



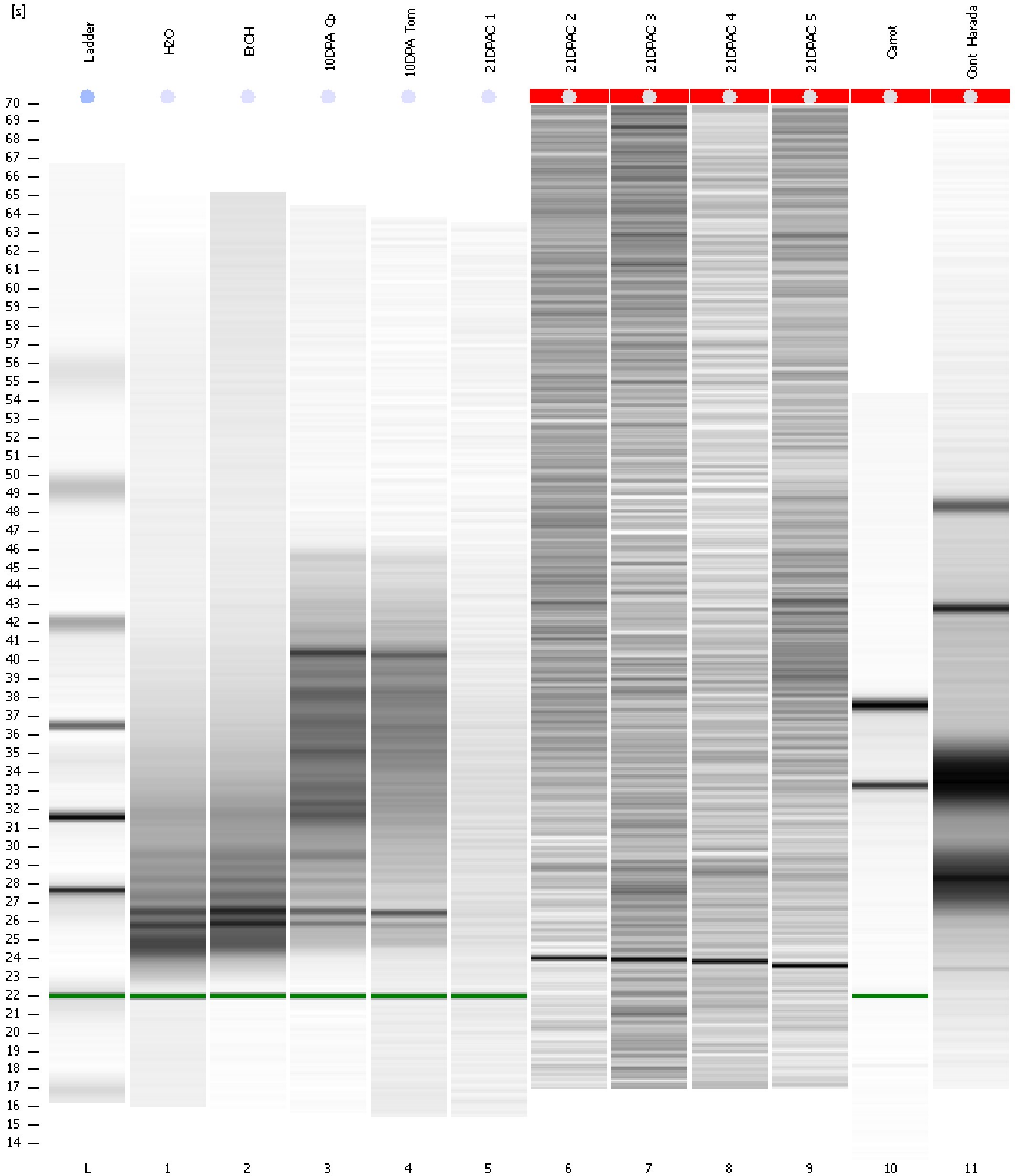
Overall Results for sample 11 : Cont_Harada

RNA Area:	66.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	509 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:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
Modified: 5/24/2013 1:08:18 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad

Created: 5/24/2013 12:45:20 PM
 Modified: 5/24/2013 1:08:18 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		5/24/2013 1:08:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-05-24\2013-05-24_003.xad)		Instrument	Run		5/24/2013 12:45:25 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/24/2013 12:45:25 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/24/2013 12:45:25 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/24/2013 12:45:25 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/24/2013 12:45:25 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/24/2013 12:45:25 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/24/2013 12:45:25 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1