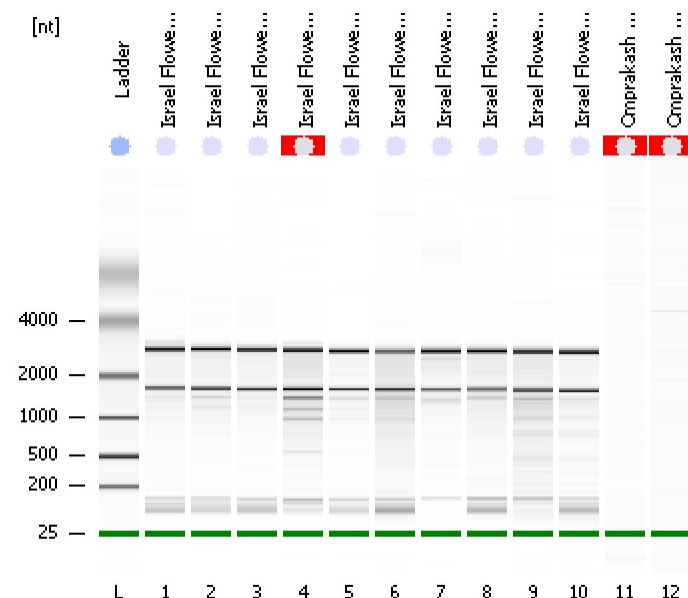


Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-08-10_15-34-29.xad

Created: 8/10/2010 3:34:29 PM
Modified: 8/10/2010 3:58:37 PM

Electrophoresis File Run Summary**Instrument Information:**

Instrument Name: Ann's baby
Serial#: DE24802235
Firmware: C.01.069
Type: G2938B

Assay Information:

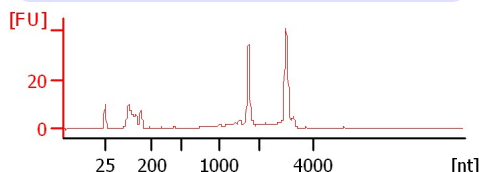
Assay Origin Path: D:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

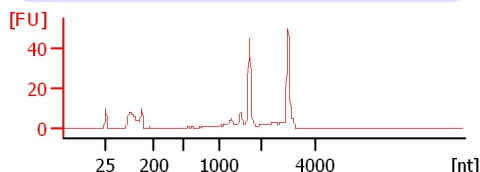
Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

Israel Flowers 1 Initial Sample

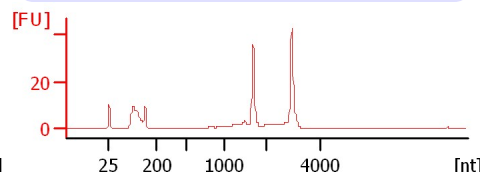
dil. to 200ng/ul w/ H₂O
RIN: 8.30

**Israel Flowers 2 Initial Sample**

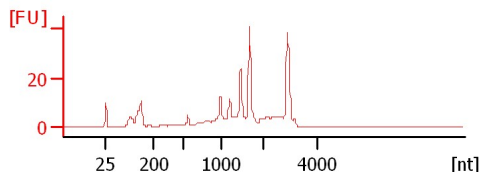
dil. to 200ng/ul w/ H₂O
RIN: 8

**Israel Flowers 3 Initial Sample**

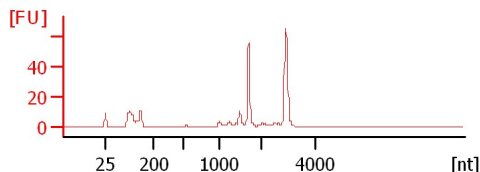
dil. to 200ng/ul w/ H₂O
RIN: 8.60

**Israel Flowers 4 Initial Sample**

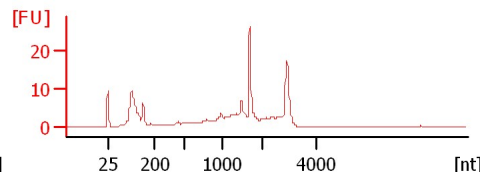
dil. to 200ng/ul w/ H₂O
RIN N/A

**Israel Flowers 5 Initial Sample**

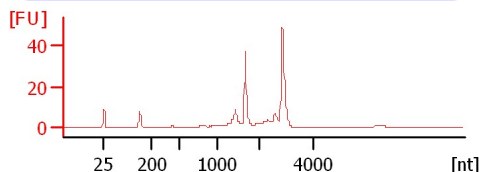
dil. to 200ng/ul w/ H₂O
RIN: 8.40

**Israel Flowers 6 Initial Sample**

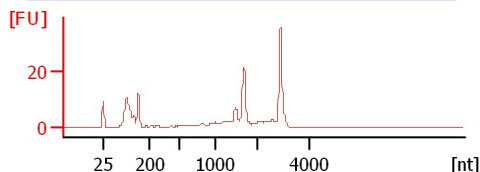
dil. to 200ng/ul w/ H₂O
RIN: 6.60

**Israel Flowers 7 Initial Sample**

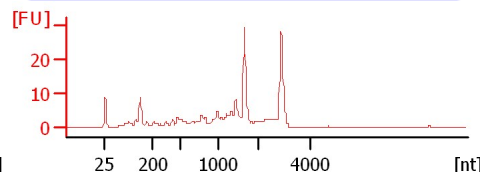
dil. to 200ng/ul w/ H₂O
RIN: 8.30

**Israel Flowers 8 Initial Sample**

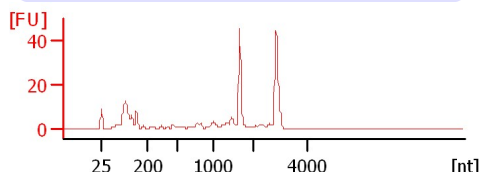
dil. to 200ng/ul w/ H₂O
RIN: 7.90

**Israel Flowers 9 Initial Sample**

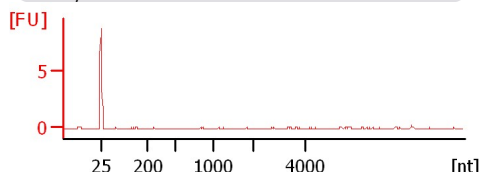
dil. to 200ng/ul w/ H₂O
RIN: 6.50

**Israel Flowers 10 Initial Sample**

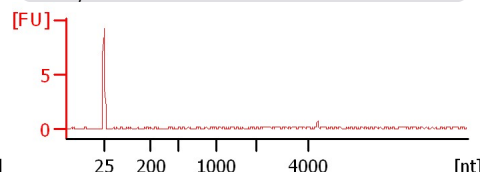
dil. to 200ng/ul w/ H₂O
RIN: 7.70

**Omprakash DBM undiluted**

RIN N/A

**Omprakash RPW undiluted**

RIN N/A



Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...\Eukaryote Total RNA Nano_DE24802235_2010-08-10_15-34-29.xad

Created: 8/10/2010 3:34:29 PM
Modified: 8/10/2010 3:58:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Israel Flowers 1 Initial Sample	dil. to 200ng/ul w/ H2O	✓	RIN: 8.30	
Israel Flowers 2 Initial Sample	dil. to 200ng/ul w/ H2O	✓	RIN: 8	
Israel Flowers 3 Initial Sample	dil. to 200ng/ul w/ H2O	✓	RIN: 8.60	
Israel Flowers 4 Initial Sample	dil. to 200ng/ul w/ H2O	✓	RIN N/A	
Israel Flowers 5 Initial Sample	dil. to 200ng/ul w/ H2O	✓	RIN: 8.40	
Israel Flowers 6 Initial Sample	dil. to 200ng/ul w/ H2O	✓	RIN: 6.60	
Israel Flowers 7 Initial Sample	dil. to 200ng/ul w/ H2O	✓	RIN: 8.30	
Israel Flowers 8 Initial Sample	dil. to 200ng/ul w/ H2O	✓	RIN: 7.90	
Israel Flowers 9 Initial Sample	dil. to 200ng/ul w/ H2O	✓	RIN: 6.50	
Israel Flowers 10 Initial Sample	dil. to 200ng/ul w/ H2O	✓	RIN: 7.70	
Omprakash DBM undiluted		✓	RIN N/A	
Omprakash RPW undiluted		✓	RIN N/A	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...\Eukaryote Total RNA Nano_DE24802235_2010-08-10_15-34-29.xad

Created: 8/10/2010 3:34:29 PM
Modified: 8/10/2010 3:58:37 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 19

End Analysis Time Range [s] : 69

Ladder Concentration [ng/ μ l] : 150

Lower Marker Concentration [ng/ μ l] : 0

Upper Marker Concentration [ng/ 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] : 19

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.5

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

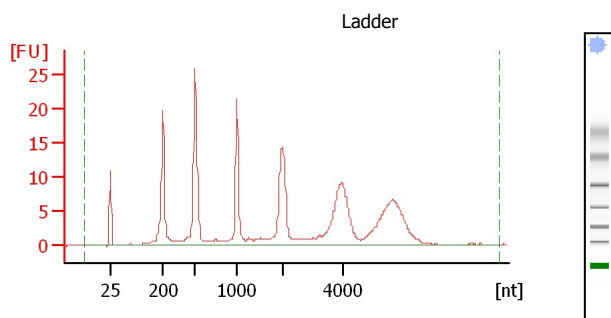
Ladder

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

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-08-10_15-34-29.xad

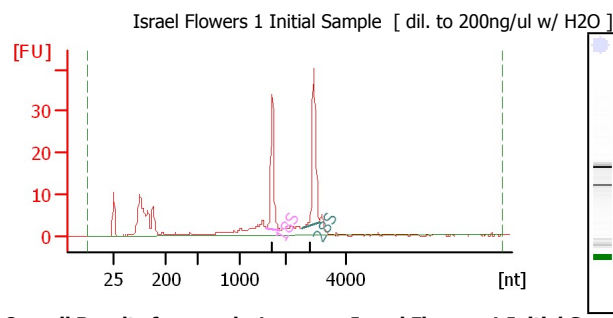
Created: 8/10/2010 3:34:29 PM
 Modified: 8/10/2010 3:58:37 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 239.3
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

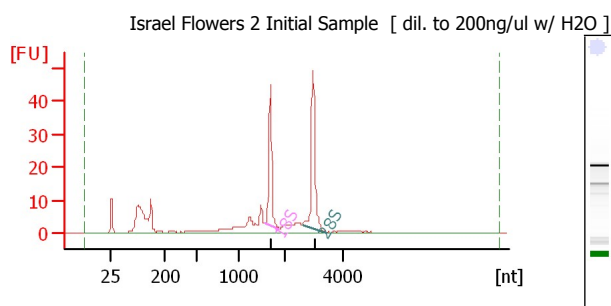


Overall Results for sample 1 : Israel Flowers 1 Initial Sample

RNA Area: 192.8
 RNA Concentration: 121 ng/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 8.3 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.30

Fragment table for sample 1 : Israel Flowers 1 Initial Sample

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	1,889	30.2	15.7
28S	2,563	3,154	40.6	21.1

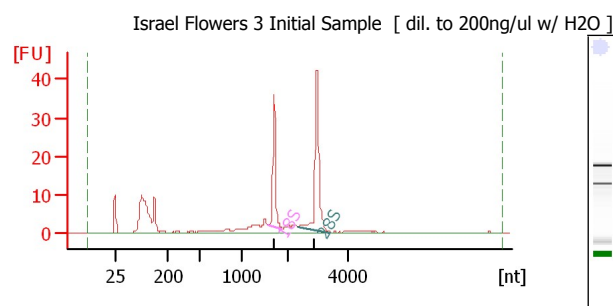


Overall Results for sample 2 : Israel Flowers 2 Initial Sample

RNA Area: 236.3
 RNA Concentration: 148 ng/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 8 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8

Fragment table for sample 2 : Israel Flowers 2 Initial Sample

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	1,892	39.4	16.7
28S	2,605	3,404	51.2	21.7



Overall Results for sample 3 : Israel Flowers 3 Initial Sample

RNA Area: 190.8
 RNA Concentration: 120 ng/μl
 rRNA Ratio [28s / 18s]: 1.5
 RNA Integrity Number (RIN): 8.6 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.60

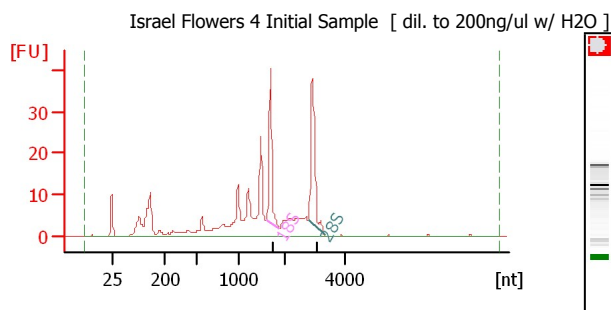
Fragment table for sample 3 : Israel Flowers 3 Initial Sample

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,557	1,857	31.4	16.4
28S	2,312	3,387	47.2	24.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-08-10_15-34-29.xad

Created: 8/10/2010 3:34:29 PM
 Modified: 8/10/2010 3:58:37 PM

Electropherogram Summary Continued ...

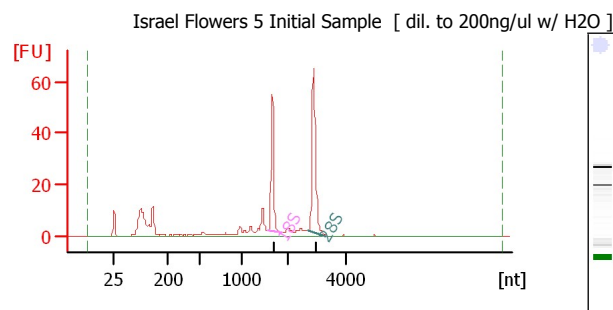


Overall Results for sample 4 : Israel Flowers 4 Initial Sample

RNA Area: 272.8
 RNA Concentration: 171 ng/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): N/A (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 4 : Israel Flowers 4 Initial Sample

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	1,865	32.9	12.1
28S	2,773	3,305	41.1	15.1

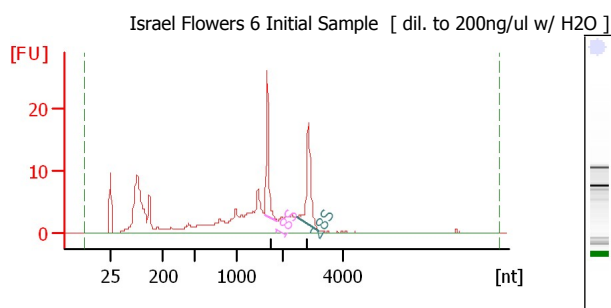


Overall Results for sample 5 : Israel Flowers 5 Initial Sample

RNA Area: 245.7
 RNA Concentration: 154 ng/μl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 8.4 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

Fragment table for sample 5 : Israel Flowers 5 Initial Sample

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,590	1,864	41.3	16.8
28S	2,675	3,306	67.0	27.2

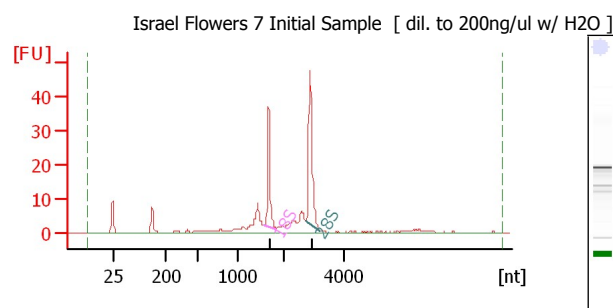


Overall Results for sample 6 : Israel Flowers 6 Initial Sample

RNA Area: 195.9
 RNA Concentration: 123 ng/μl
 rRNA Ratio [28s / 18s]: 1.1
 RNA Integrity Number (RIN): 6.6 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.60

Fragment table for sample 6 : Israel Flowers 6 Initial Sample

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,614	1,889	18.6	9.5
28S	2,464	3,197	21.2	10.8



Overall Results for sample 7 : Israel Flowers 7 Initial Sample

RNA Area: 181.7
 RNA Concentration: 114 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 8.3 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.30

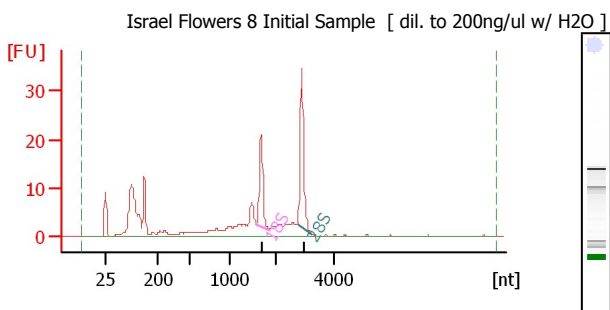
Fragment table for sample 7 : Israel Flowers 7 Initial Sample

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,555	1,823	28.6	15.7
28S	2,747	3,214	50.1	27.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-08-10_15-34-29.xad

Created: 8/10/2010 3:34:29 PM
 Modified: 8/10/2010 3:58:37 PM

Electropherogram Summary Continued ...

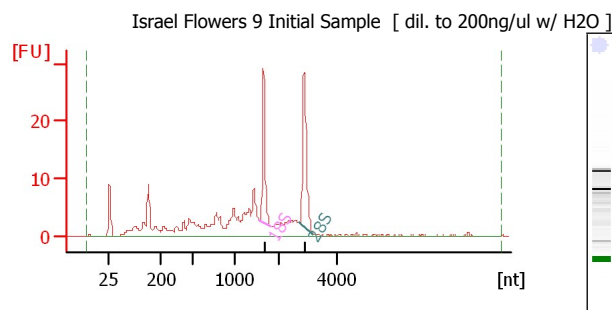


Overall Results for sample 8 : Israel Flowers 8 Initial Sample

RNA Area: 195.5
 RNA Concentration: 123 ng/μl
 rRNA Ratio [28s / 18s]: 1.5
 RNA Integrity Number (RIN): 7.9 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.90

Fragment table for sample 8 : Israel Flowers 8 Initial Sample

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	1,856	23.4	12.0
28S	2,733	3,218	34.3	17.6

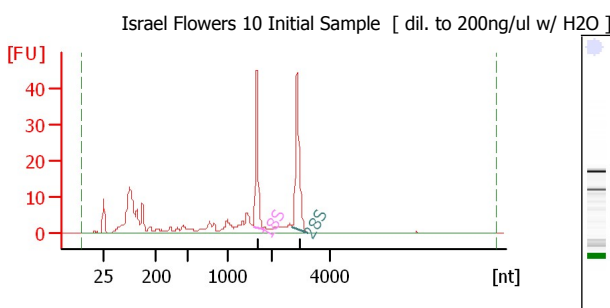


Overall Results for sample 9 : Israel Flowers 9 Initial Sample

RNA Area: 198.0
 RNA Concentration: 124 ng/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 6.5 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.50

Fragment table for sample 9 : Israel Flowers 9 Initial Sample

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,574	1,807	23.9	12.1
28S	2,663	3,192	30.0	15.2

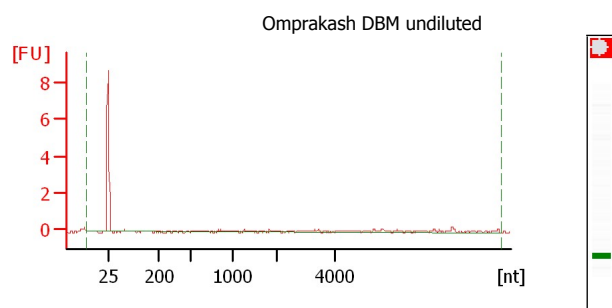


Overall Results for sample 10 : Israel Flowers 10 Initial Sample

RNA Area: 242.6
 RNA Concentration: 152 ng/μl
 rRNA Ratio [28s / 18s]: 1.4
 RNA Integrity Number (RIN): 7.7 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70

Fragment table for sample 10 : Israel Flowers 10 Initial Sample

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,589	1,795	36.1	14.9
28S	2,677	3,209	49.3	20.3

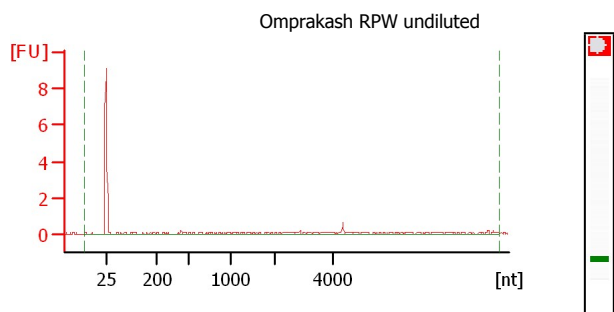


Overall Results for sample 11 : Omprakash DBM undiluted

RNA Area: 2.6
 RNA Concentration: 2 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-08-10_15-34-29.xad

Created: 8/10/2010 3:34:29 PM
Modified: 8/10/2010 3:58:37 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : Omprakash RPW undiluted**

RNA Area: 8.2
RNA Concentration: 5 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-08-10_15-34-29.xad

Created: 8/10/2010 3:34:29 PM
Modified: 8/10/2010 3:58:37 PM

Gel Image