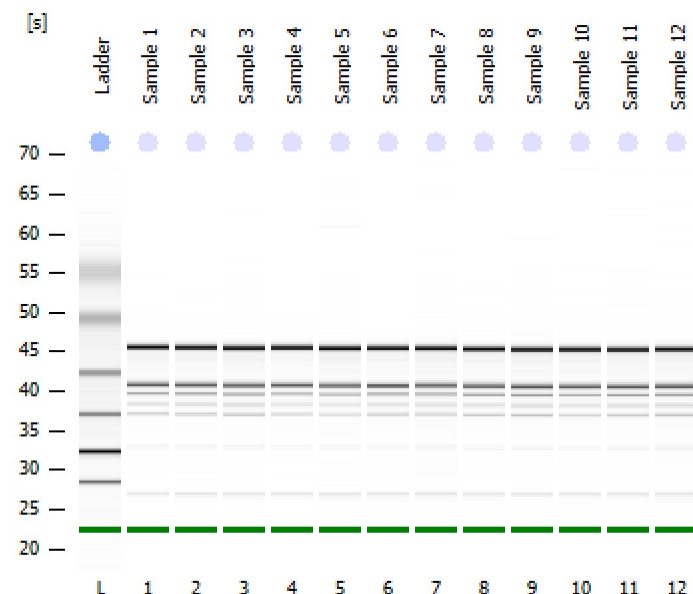


Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-30_21-56-33.xad

Created: 5/30/2016 9:56:32 PM
Modified: 5/30/2016 10:20:24 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE13805906
Serial#: DE13805906

Firmware: C.01.069
Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Nano.xsy

Assay Class: Plant RNA Nano

Version: 1.3

Assay Comments: Total RNA Analysis ng sensitivity (Plant)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

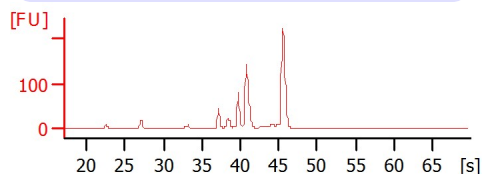
Chip Lot #:

Reagent Kit Lot #:

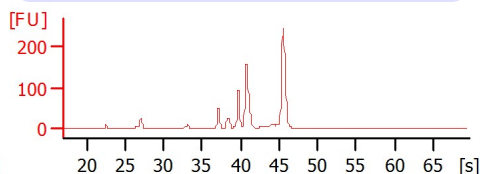
Chip Comments:

Sample 1

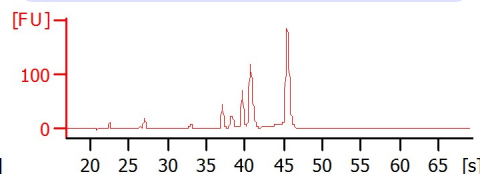
RIN: 8.30

**Sample 2**

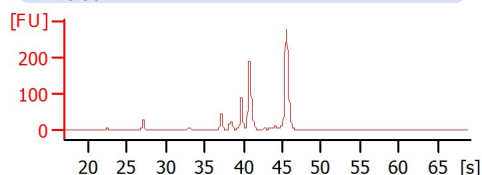
RIN: 8.20

**Sample 3**

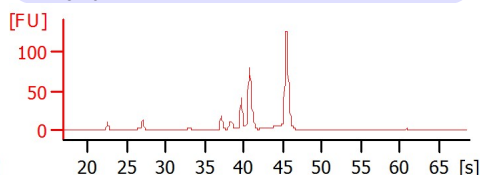
RIN: 8.20

**Sample 4**

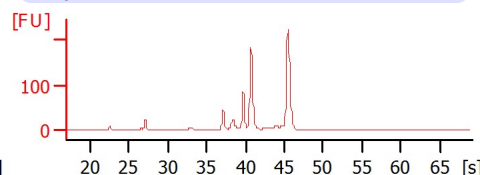
RIN: 8.50

**Sample 5**

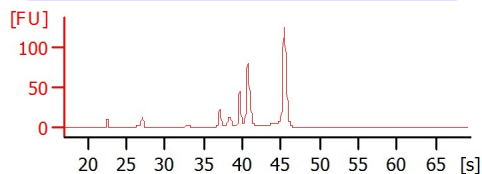
RIN: 8.40

**Sample 6**

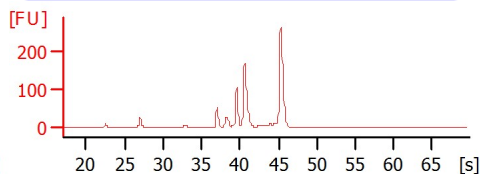
RIN: 8

**Sample 7**

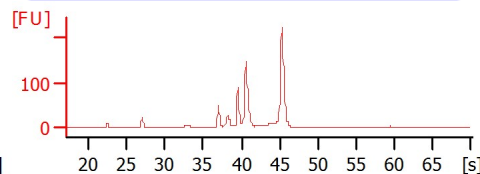
RIN: 8.10

**Sample 8**

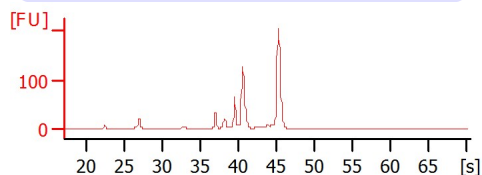
RIN: 8.30

**Sample 9**

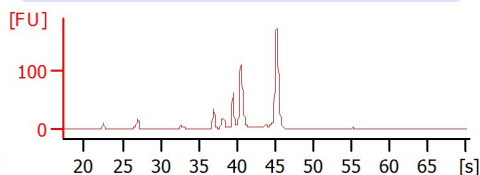
RIN: 8.10

**Sample 10**

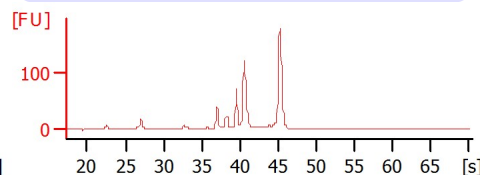
RIN: 8.40

**Sample 11**

RIN: 8.10

**Sample 12**

RIN: 8



Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-30_21-56-33.xad

Created: 5/30/2016 9:56:32 PM
Modified: 5/30/2016 10:20:24 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 8.30	
Sample 2		✓	RIN: 8.20	
Sample 3		✓	RIN: 8.20	
Sample 4		✓	RIN: 8.50	
Sample 5		✓	RIN: 8.40	
Sample 6		✓	RIN:8	
Sample 7		✓	RIN: 8.10	
Sample 8		✓	RIN: 8.30	
Sample 9		✓	RIN: 8.10	
Sample 10		✓	RIN: 8.40	
Sample 11		✓	RIN: 8.10	
Sample 12		✓	RIN:8	
Ladder		✓	All Other Samples	

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

Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-30_21-56-33.xad

Created: 5/30/2016 9:56:32 PM
Modified: 5/30/2016 10:20:24 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/μl] : 150

Lower Marker Concentration [ng/μl] : 0

Upper Marker Concentration [ng/μl] : 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] : 0.2

Area Threshold : 0.1

Width Threshold [s] : 0.2

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

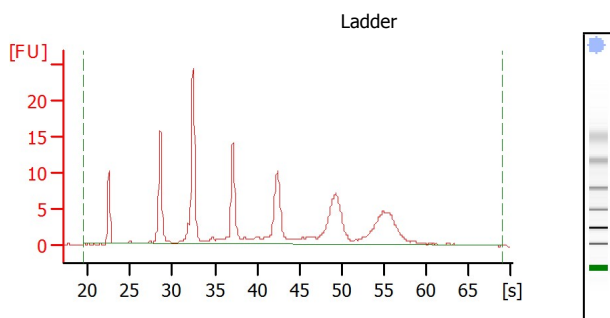
Ladder

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

Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-30_21-56-33.xad

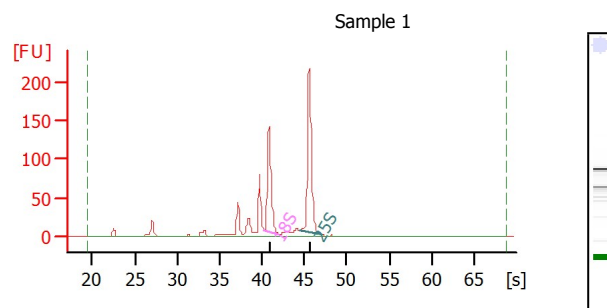
Created: 5/30/2016 9:56:32 PM
Modified: 5/30/2016 10:20:24 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 190.6
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

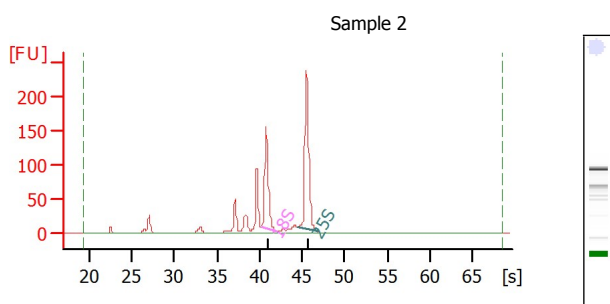


Overall Results for sample 1 : Sample 1

RNA Area: 751.9
RNA Concentration: 592 ng/μl
rRNA Ratio [25s / 18s]: 1.5
RNA Integrity Number (RIN): 8.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.30

Fragment table for sample 1 : Sample 1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.31	41.96	167.6	22.3
25S	44.55	47.00	259.0	34.4

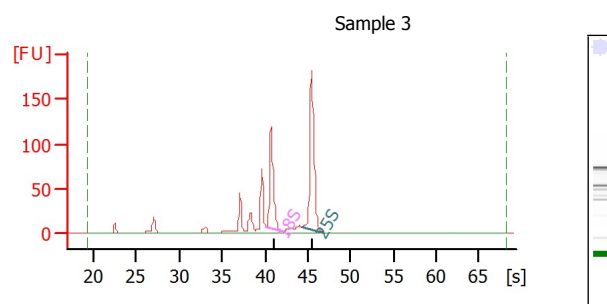


Overall Results for sample 2 : Sample 2

RNA Area: 871.5
RNA Concentration: 686 ng/μl
rRNA Ratio [25s / 18s]: 1.5
RNA Integrity Number (RIN): 8.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.20

Fragment table for sample 2 : Sample 2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.23	41.92	186.1	21.4
25S	44.55	46.79	285.4	32.7



Overall Results for sample 3 : Sample 3

RNA Area: 682.5
RNA Concentration: 537 ng/μl
rRNA Ratio [25s / 18s]: 1.5
RNA Integrity Number (RIN): 8.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.20

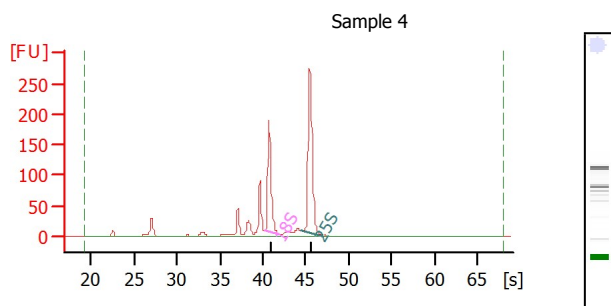
Fragment table for sample 3 : Sample 3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.15	41.88	143.1	21.0
25S	44.41	46.98	219.0	32.1

Assay Class: Plant RNA Nano
 Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-30_21-56-33.xad

Created: 5/30/2016 9:56:32 PM
 Modified: 5/30/2016 10:20:24 PM

Electropherogram Summary Continued ...

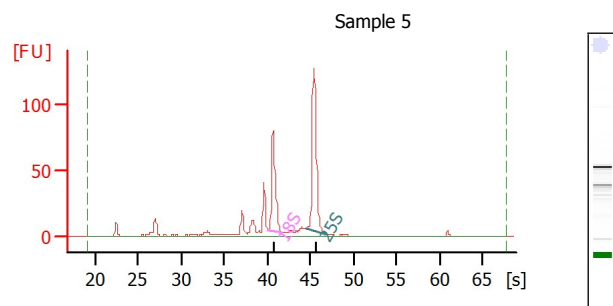


Overall Results for sample 4 : Sample 4

RNA Area: 912.8
 RNA Concentration: 718 ng/μl
 rRNA Ratio [25s / 18s]: 1.6
 RNA Integrity Number (RIN): 8.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.50

Fragment table for sample 4 : Sample 4

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.21	41.89	207.5	22.7
25S	44.51	46.97	331.5	36.3

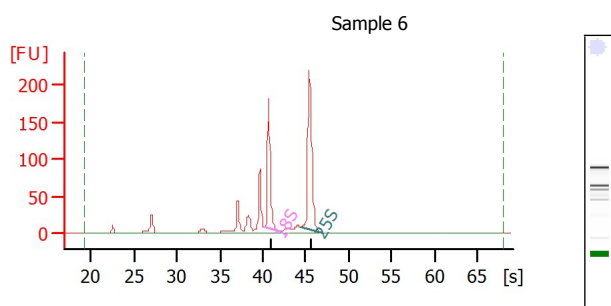


Overall Results for sample 5 : Sample 5

RNA Area: 464.8
 RNA Concentration: 366 ng/μl
 rRNA Ratio [25s / 18s]: 1.6
 RNA Integrity Number (RIN): 8.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

Fragment table for sample 5 : Sample 5

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.14	41.81	95.3	20.5
25S	44.41	46.72	151.5	32.6

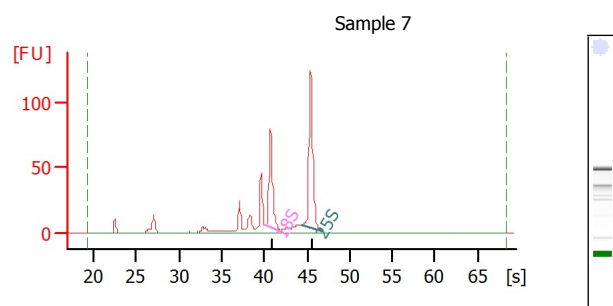


Overall Results for sample 6 : Sample 6

RNA Area: 784.7
 RNA Concentration: 618 ng/μl
 rRNA Ratio [25s / 18s]: 1.5
 RNA Integrity Number (RIN): 8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8

Fragment table for sample 6 : Sample 6

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.21	41.84	171.4	21.8
25S	44.41	46.97	257.0	32.7



Overall Results for sample 7 : Sample 7

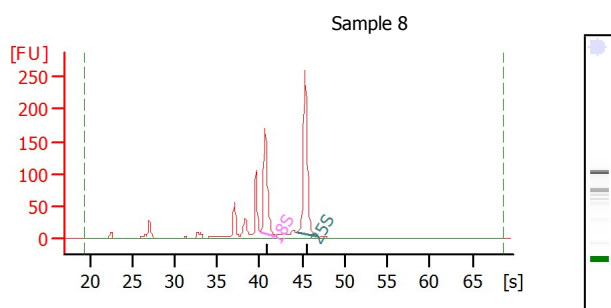
RNA Area: 464.4
 RNA Concentration: 365 ng/μl
 rRNA Ratio [25s / 18s]: 1.6
 RNA Integrity Number (RIN): 8.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.10

Fragment table for sample 7 : Sample 7

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.14	41.88	92.7	20.0
25S	44.31	46.64	144.5	31.1

Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-30_21-56-33.xad

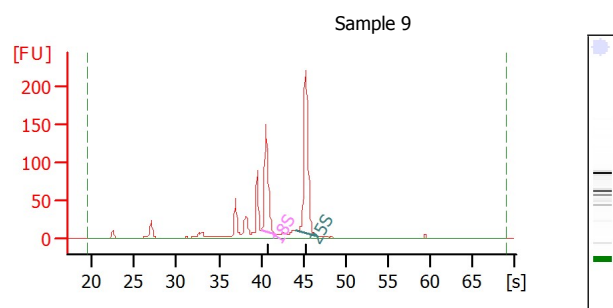
Created: 5/30/2016 9:56:32 PM
Modified: 5/30/2016 10:20:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 :** Sample 8

RNA Area: 933.6
RNA Concentration: 735 ng/μl
rRNA Ratio [25s / 18s]: 1.5
RNA Integrity Number (RIN): 8.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.30

Fragment table for sample 8 : Sample 8

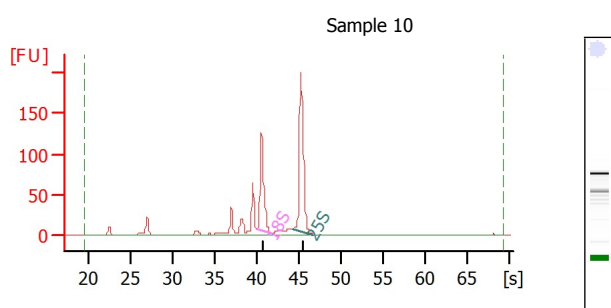
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.07	41.81	203.3	21.8
25S	44.25	46.64	307.9	33.0

**Overall Results for sample 9 :** Sample 9

RNA Area: 843.6
RNA Concentration: 664 ng/μl
rRNA Ratio [25s / 18s]: 1.5
RNA Integrity Number (RIN): 8.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.10

Fragment table for sample 9 : Sample 9

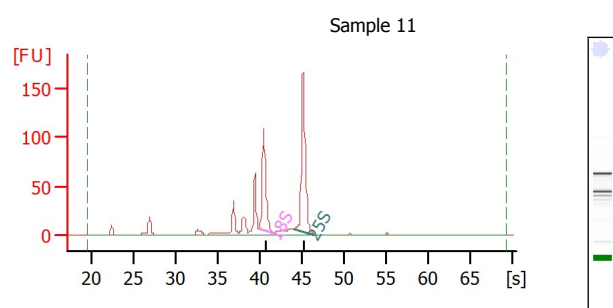
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.00	41.70	176.5	20.9
25S	44.15	46.60	266.9	31.6

**Overall Results for sample 10 :** Sample 10

RNA Area: 713.1
RNA Concentration: 561 ng/μl
rRNA Ratio [25s / 18s]: 1.6
RNA Integrity Number (RIN): 8.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.40

Fragment table for sample 10 : Sample 10

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.03	41.69	148.3	20.8
25S	44.20	46.66	241.1	33.8

**Overall Results for sample 11 :** Sample 11

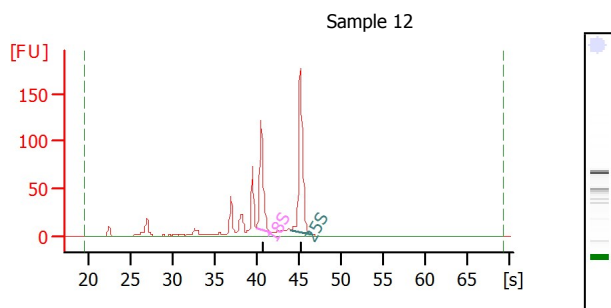
RNA Area: 622.3
RNA Concentration: 490 ng/μl
rRNA Ratio [25s / 18s]: 1.6
RNA Integrity Number (RIN): 8.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.10

Fragment table for sample 11 : Sample 11

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.07	41.68	124.4	20.0
25S	44.09	46.61	198.0	31.8

Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-30_21-56-33.xad

Created: 5/30/2016 9:56:32 PM
Modified: 5/30/2016 10:20:24 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : Sample 12**

RNA Area: 681.5
RNA Concentration: 536 ng/μl
rRNA Ratio [25s / 18s]: 1.5
RNA Integrity Number (RIN): 8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:8

Fragment table for sample 12 : Sample 12

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.07	41.68	140.1	20.6
25S	44.14	46.61	207.7	30.5

Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-30_21-56-33.xad

Created: 5/30/2016 9:56:32 PM
Modified: 5/30/2016 10:20:24 PM

Gel Image