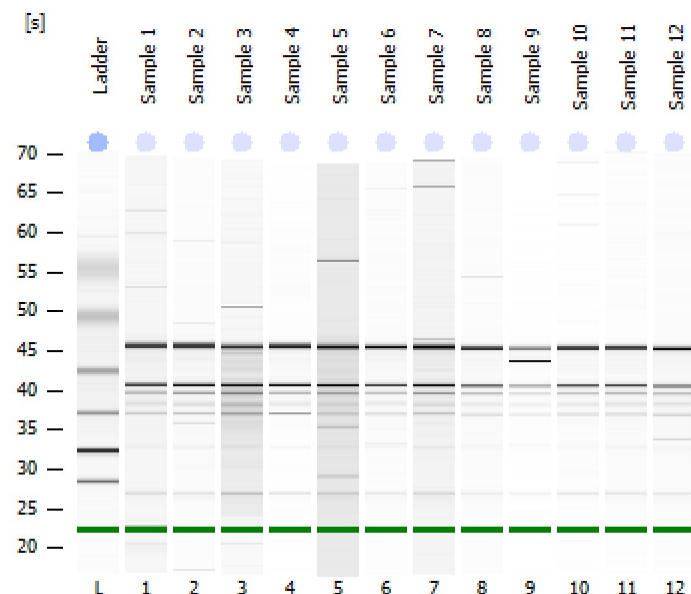


Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-31_01-43-39.xad

Created: 5/31/2016 1:43:38 AM
Modified: 5/31/2016 2:06:44 AM

Electrophoresis File Run Summary



Instrument 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)

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Chip Information:

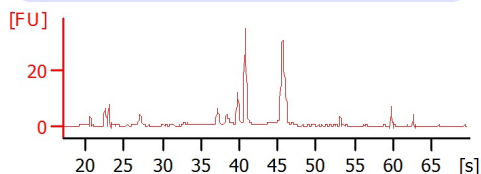
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

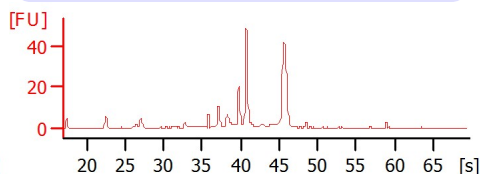
Sample 1

RIN: 8.10



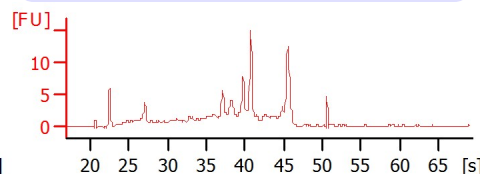
Sample 2

RIN: 7.60



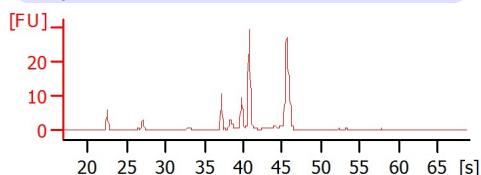
Sample 3

RIN: 6.10



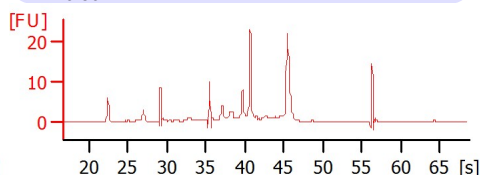
Sample 4

RIN: 8



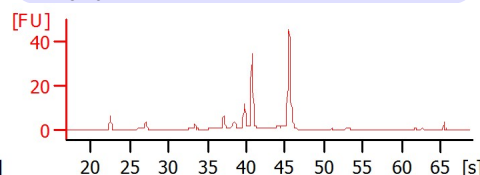
Sample 5

RIN: 6.80



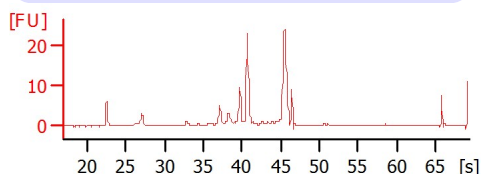
Sample 6

RIN: 8.10



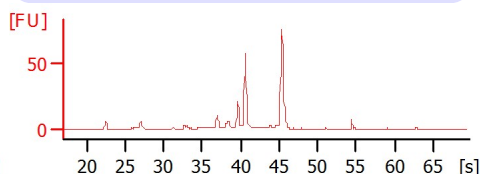
Sample 7

RIN: 7.70



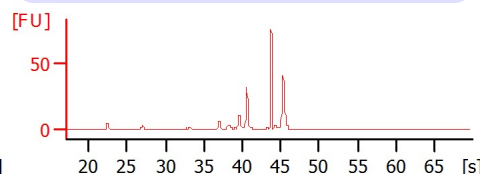
Sample 8

RIN: 8.10



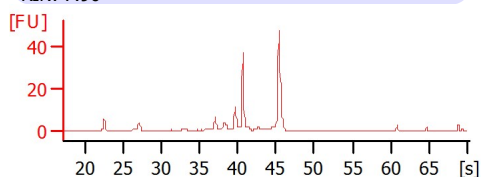
Sample 9

RIN: 7.60



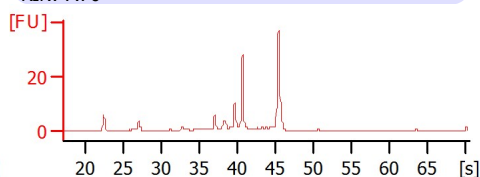
Sample 10

RIN: 7.90



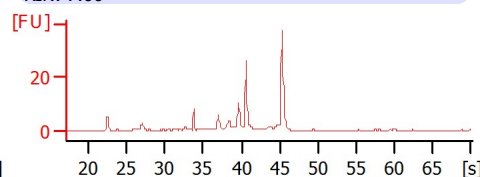
Sample 11

RIN: 7.70



Sample 12

RIN: 7.60



Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-31_01-43-39.xad

Created: 5/31/2016 1:43:38 AM
Modified: 5/31/2016 2:06:44 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 8.10	
Sample 2		✓	RIN: 7.60	
Sample 3		✓	RIN: 6.10	
Sample 4		✓	RIN:8	
Sample 5		✓	RIN: 6.80	
Sample 6		✓	RIN: 8.10	
Sample 7		✓	RIN: 7.70	
Sample 8		✓	RIN: 8.10	
Sample 9		✓	RIN: 7.60	
Sample 10		✓	RIN: 7.90	
Sample 11		✓	RIN: 7.70	
Sample 12		✓	RIN: 7.60	
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_2016-05-31_01-43-39.xad

Created: 5/31/2016 1:43:38 AM
Modified: 5/31/2016 2:06:44 AM

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

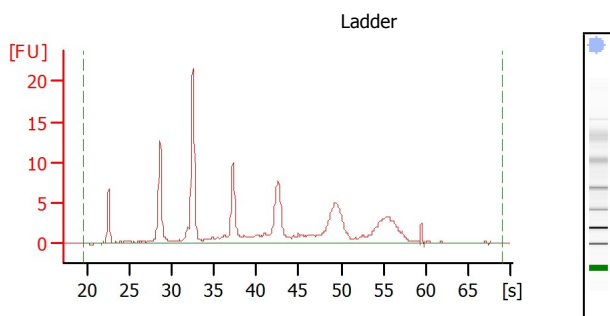
Ladder

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_2016-05-31_01-43-39.xad

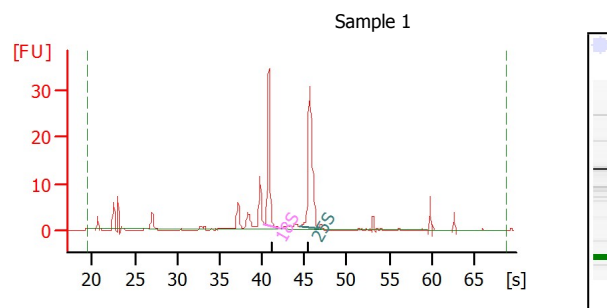
Created: 5/31/2016 1:43:38 AM
 Modified: 5/31/2016 2:06:44 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 162.2
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

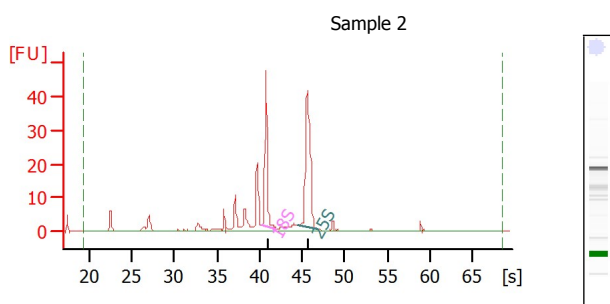


Overall Results for sample 1 : Sample 1

RNA Area: 119.2
 RNA Concentration: 110 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 1 : Sample 1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.26	42.01	25.7	21.5
25S	44.55	46.70	39.2	32.9

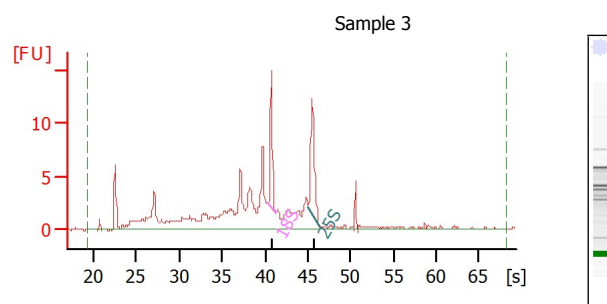


Overall Results for sample 2 : Sample 2

RNA Area: 191.4
 RNA Concentration: 177 ng/μl
 rRNA Ratio [25s / 18s]: 1.6
 RNA Integrity Number (RIN): 7.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.60

Fragment table for sample 2 : Sample 2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.28	41.97	37.2	19.4
25S	44.40	46.79	59.0	30.8



Overall Results for sample 3 : Sample 3

RNA Area: 122.1
 RNA Concentration: 113 ng/μl
 rRNA Ratio [25s / 18s]: 1.2
 RNA Integrity Number (RIN): 6.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.10

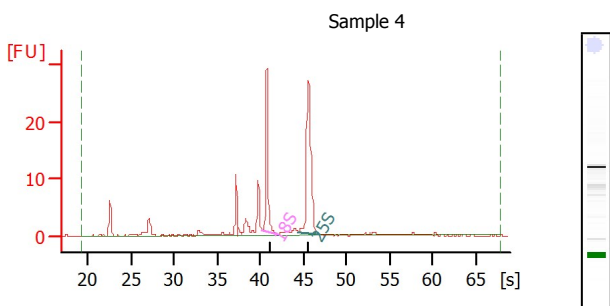
Fragment table for sample 3 : Sample 3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.35	41.24	9.5	7.8
25S	45.05	46.38	11.7	9.6

Assay Class: Plant RNA Nano
 Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-31_01-43-39.xad

Created: 5/31/2016 1:43:38 AM
 Modified: 5/31/2016 2:06:44 AM

Electropherogram Summary Continued ...

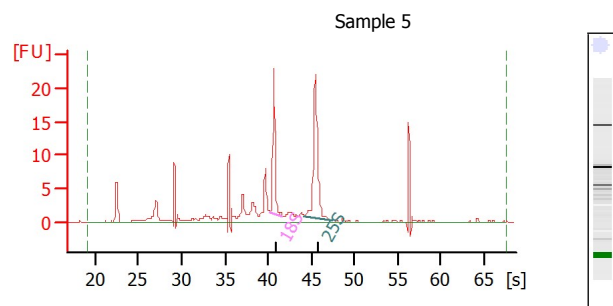


Overall Results for sample 4 : Sample 4

RNA Area: 102.7
 RNA Concentration: 95 ng/μl
 rRNA Ratio [25s / 18s]: 1.6
 RNA Integrity Number (RIN): 8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8

Fragment table for sample 4 : Sample 4

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.22	42.05	21.7	21.1
25S	44.46	46.97	34.7	33.8

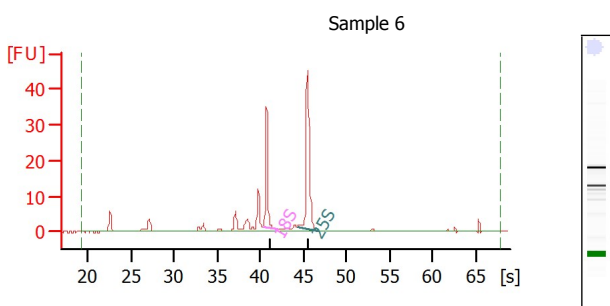


Overall Results for sample 5 : Sample 5

RNA Area: 119.5
 RNA Concentration: 110 ng/μl
 rRNA Ratio [25s / 18s]: 1.6
 RNA Integrity Number (RIN): 6.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.80

Fragment table for sample 5 : Sample 5

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.20	41.67	16.0	13.4
25S	44.26	47.30	26.0	21.8

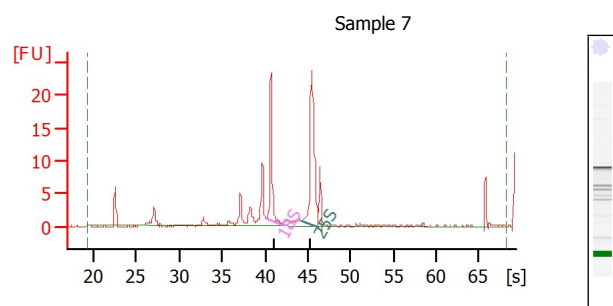


Overall Results for sample 6 : Sample 6

RNA Area: 131.3
 RNA Concentration: 121 ng/μl
 rRNA Ratio [25s / 18s]: 1.7
 RNA Integrity Number (RIN): 8.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.10

Fragment table for sample 6 : Sample 6

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.32	41.95	25.2	19.2
25S	44.31	46.67	42.7	32.5



Overall Results for sample 7 : Sample 7

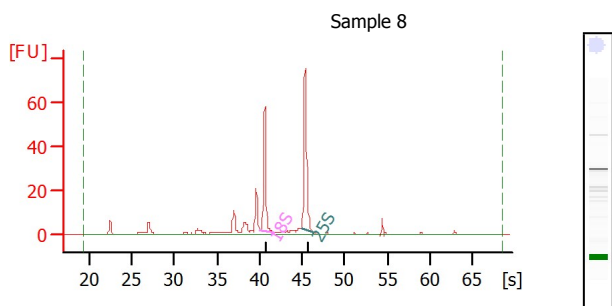
RNA Area: 93.9
 RNA Concentration: 87 ng/μl
 rRNA Ratio [25s / 18s]: 1.7
 RNA Integrity Number (RIN): 7.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70

Fragment table for sample 7 : Sample 7

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.25	42.03	17.8	19.0
25S	44.26	46.24	30.0	32.0

Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-31_01-43-39.xad

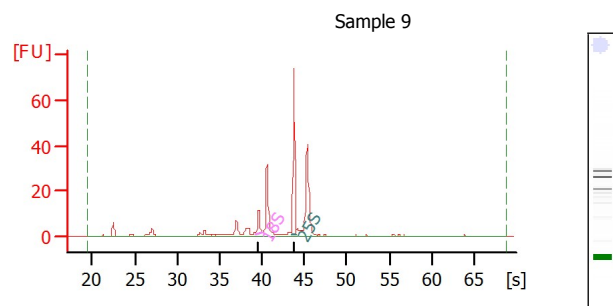
Created: 5/31/2016 1:43:38 AM
Modified: 5/31/2016 2:06:44 AM

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

RNA Area: 204.6
RNA Concentration: 189 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 8 : Sample 8

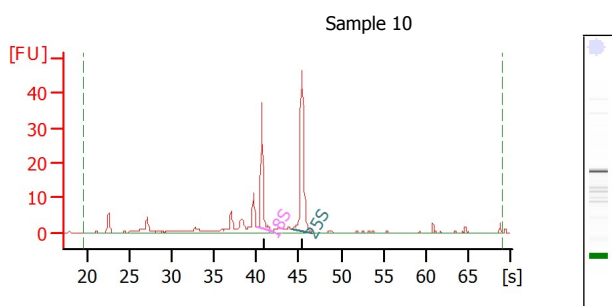
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.13	41.67	41.8	20.4
25S	44.95	46.39	65.0	31.8

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

RNA Area: 178.6
RNA Concentration: 165 ng/μl
rRNA Ratio [25s / 18s]: 5.3
RNA Integrity Number (RIN): 7.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.60

Fragment table for sample 9 : Sample 9

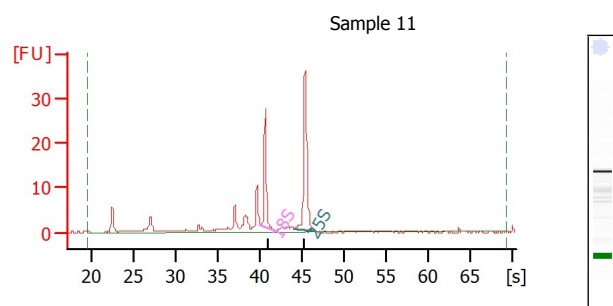
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.26	40.01	7.5	4.2
25S	43.50	44.05	40.0	22.4

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

RNA Area: 142.0
RNA Concentration: 131 ng/μl
rRNA Ratio [25s / 18s]: 1.8
RNA Integrity Number (RIN): 7.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.90

Fragment table for sample 10 : Sample 10

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.24	41.79	26.5	18.7
25S	44.15	46.55	46.5	32.8

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

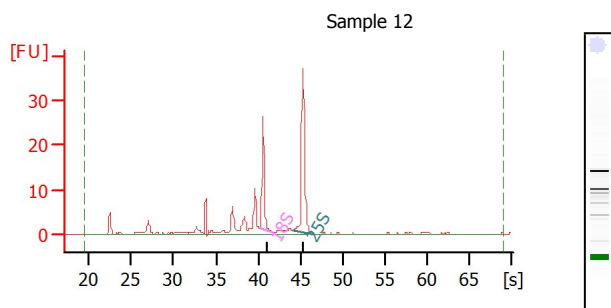
RNA Area: 111.3
RNA Concentration: 103 ng/μl
rRNA Ratio [25s / 18s]: 1.8
RNA Integrity Number (RIN): 7.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.70

Fragment table for sample 11 : Sample 11

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.13	41.84	19.7	17.7
25S	44.15	46.66	35.6	32.0

Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-31_01-43-39.xad

Created: 5/31/2016 1:43:38 AM
Modified: 5/31/2016 2:06:44 AM

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

RNA Area: 109.2
RNA Concentration: 101 ng/μl
rRNA Ratio [25s / 18s]: 1.8
RNA Integrity Number (RIN): 7.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.60

Fragment table for sample 12 : Sample 12

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.20	41.70	19.1	17.5
25S	44.10	46.45	33.8	30.9

Assay Class: Plant RNA Nano
Data Path: C:\...00 expert_Plant RNA Nano_DE13805906_2016-05-31_01-43-39.xad

Created: 5/31/2016 1:43:38 AM
Modified: 5/31/2016 2:06:44 AM

Gel Image