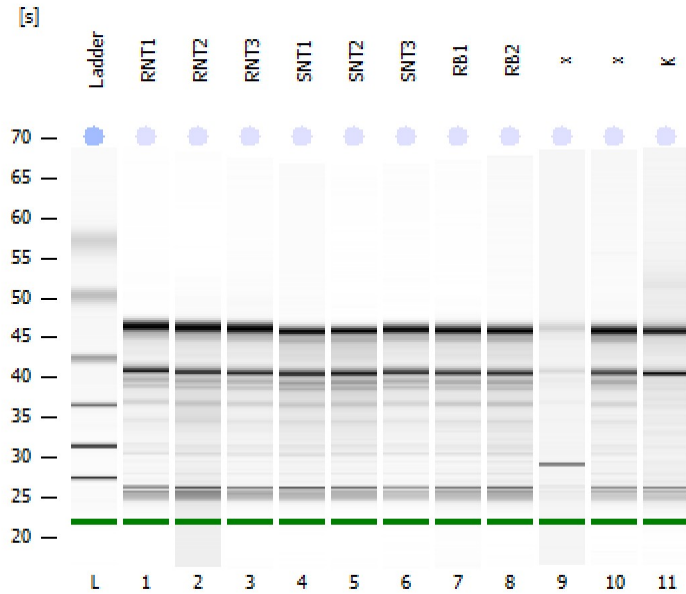


Assay Class: Plant RNA Pico
Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
Modified: 6/20/2022 12:57:09 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903715 Firmware: C.01.069
Serial#: DE34903715 Type: G2938C

Assay Information:

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

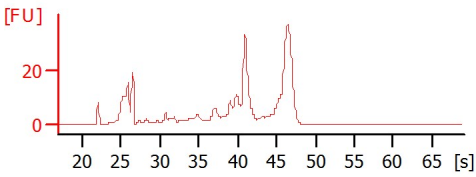
Assay Class: Plant RNA Pico
Version: 1.3
Assay Comments: Total RNA Analysis pg sensitivity (Plant)

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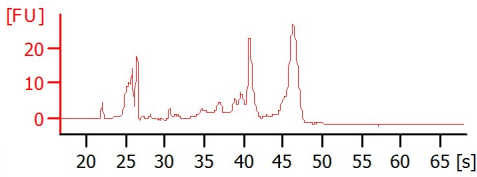
Chip Information:

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

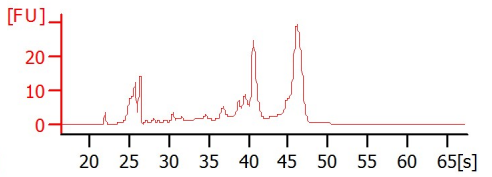
RNT1
RIN: 7.80



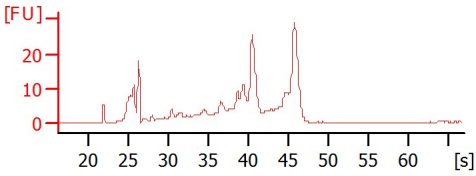
RNT2
RIN: 7.80



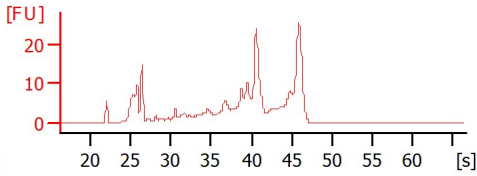
RNT3
RIN: 7.80



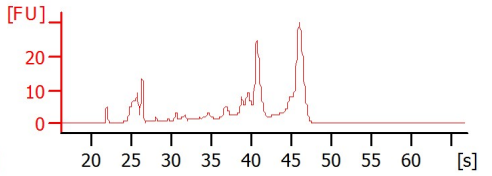
SNT1
RIN: 6.70



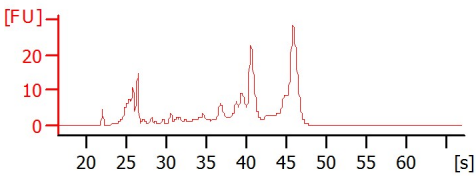
SNT2
RIN: 6.60



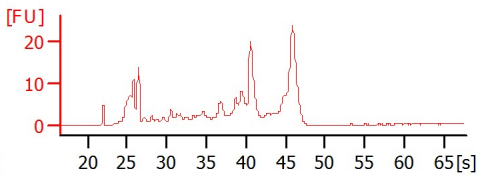
SNT3
RIN: 7.80



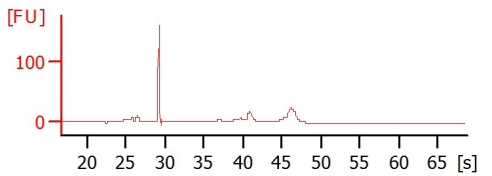
RB1
RIN: 7.60



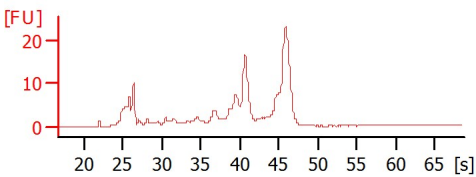
RB2
RIN: 7.40



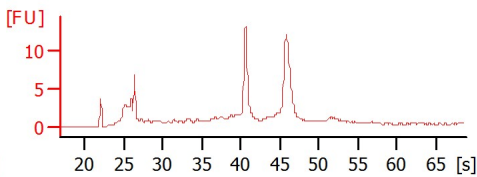
x
RIN: 6.30



x
RIN: 1.30



K
RIN: 7.50



Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
 Modified: 6/20/2022 12:57:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
RNT1		✓	RIN: 7.80	
RNT2		✓	RIN: 7.80	
RNT3		✓	RIN: 7.80	
SNT1		✓	RIN: 6.70	
SNT2		✓	RIN: 6.60	
SNT3		✓	RIN: 7.80	
RB1		✓	RIN: 7.60	
RB2		✓	RIN: 7.40	
x		✓	RIN: 6.30	
x		✓	RIN: 1.30	
K		✓	RIN: 7.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Pico
Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
Modified: 6/20/2022 12:57:09 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

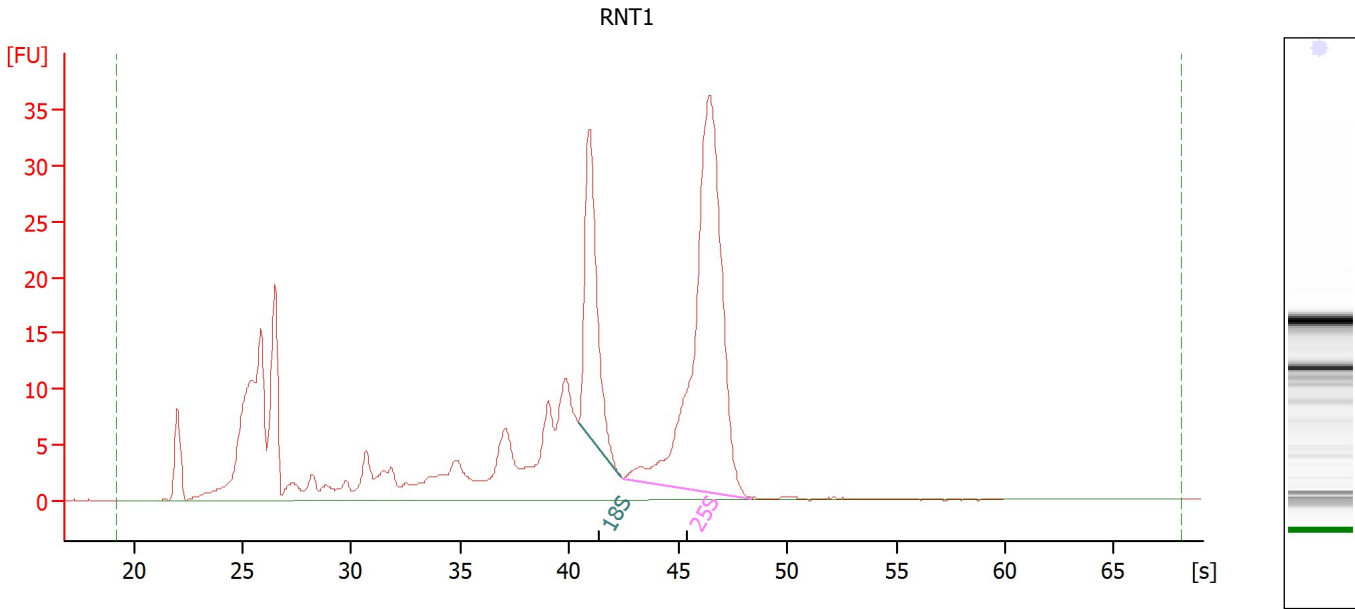
Ladder

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

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
 Modified: 6/20/2022 12:57:09 PM

Electropherogram Summary



Overall Results for sample 1 : RNT1

RNA Area:	397.5	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	2,297 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.7	Result Flagging Label:	RIN: 7.80

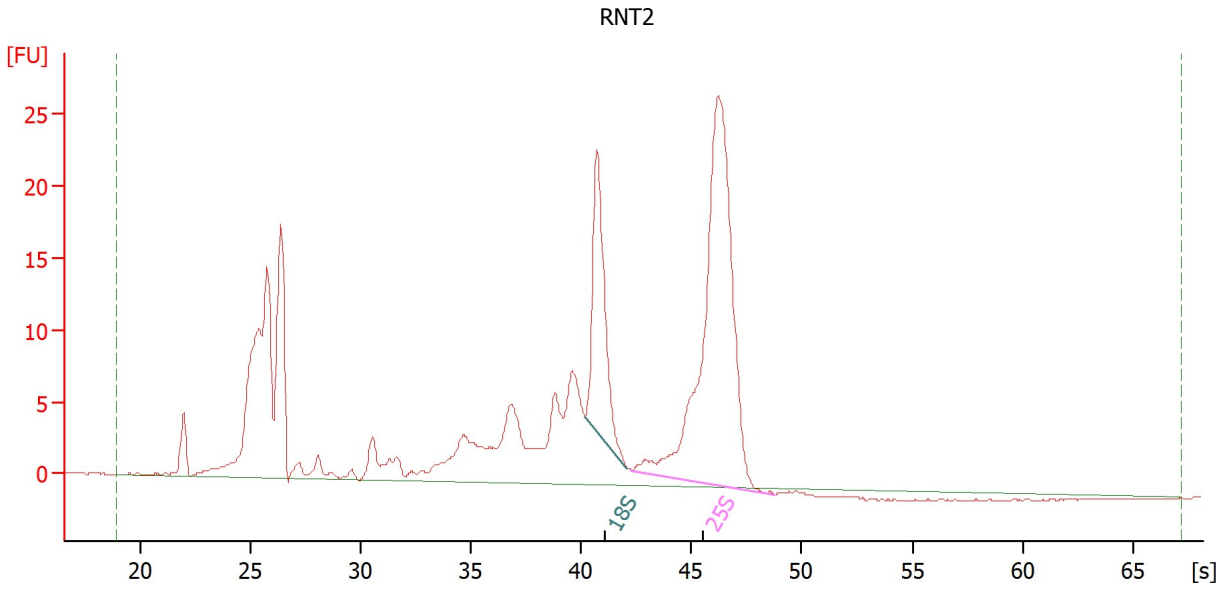
Fragment table for sample 1 : RNT1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.40	42.37	42.8	10.8
25S	42.47	48.34	113.5	28.6

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
 Modified: 6/20/2022 12:57:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RNT2

RNA Area:	295.9	RNA Integrity Number (RIN):	7.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,710 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.9	Result Flagging Label:	RIN: 7.80

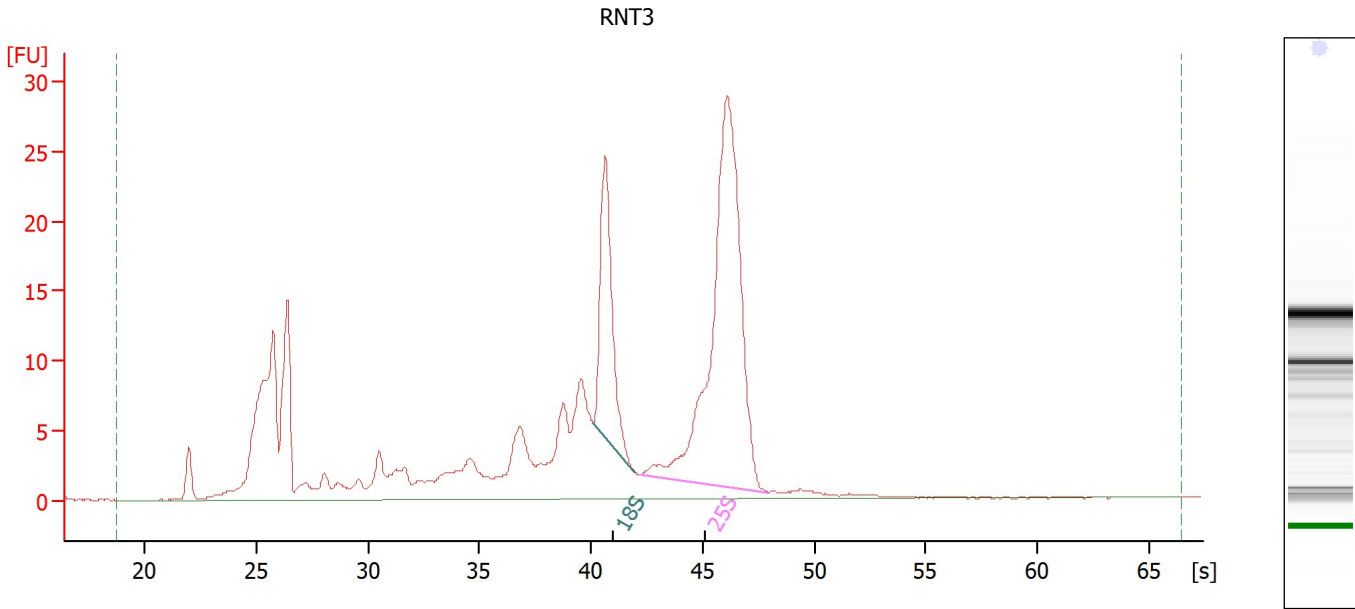
Fragment table for sample 2 : RNT2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.20	42.10	29.9	10.1
25S	42.30	48.77	87.5	29.6

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
 Modified: 6/20/2022 12:57:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : RNT3

RNA Area:	316.1	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	1,826 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	3.0	Result Flagging Label:	RIN: 7.80

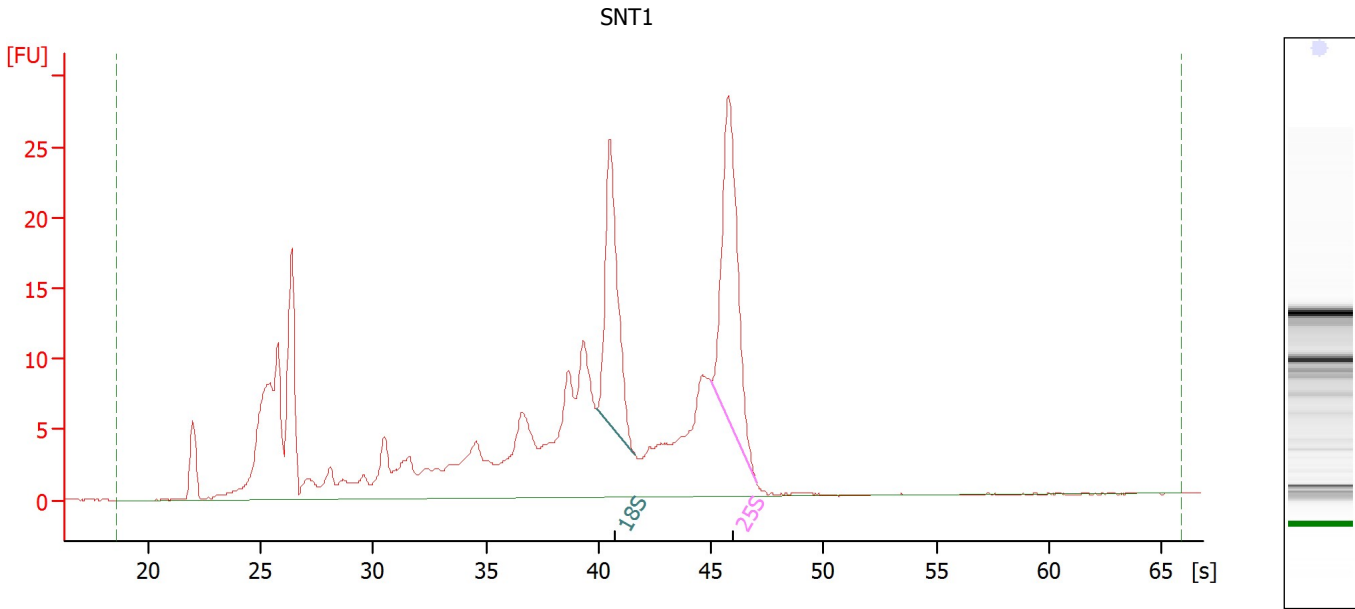
Fragment table for sample 3 : RNT3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.10	41.98	30.2	9.5
25S	42.22	48.00	90.2	28.5

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
 Modified: 6/20/2022 12:57:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SNT1

RNA Area:	336.7	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	1,945 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.2	Result Flagging Label:	RIN: 6.70

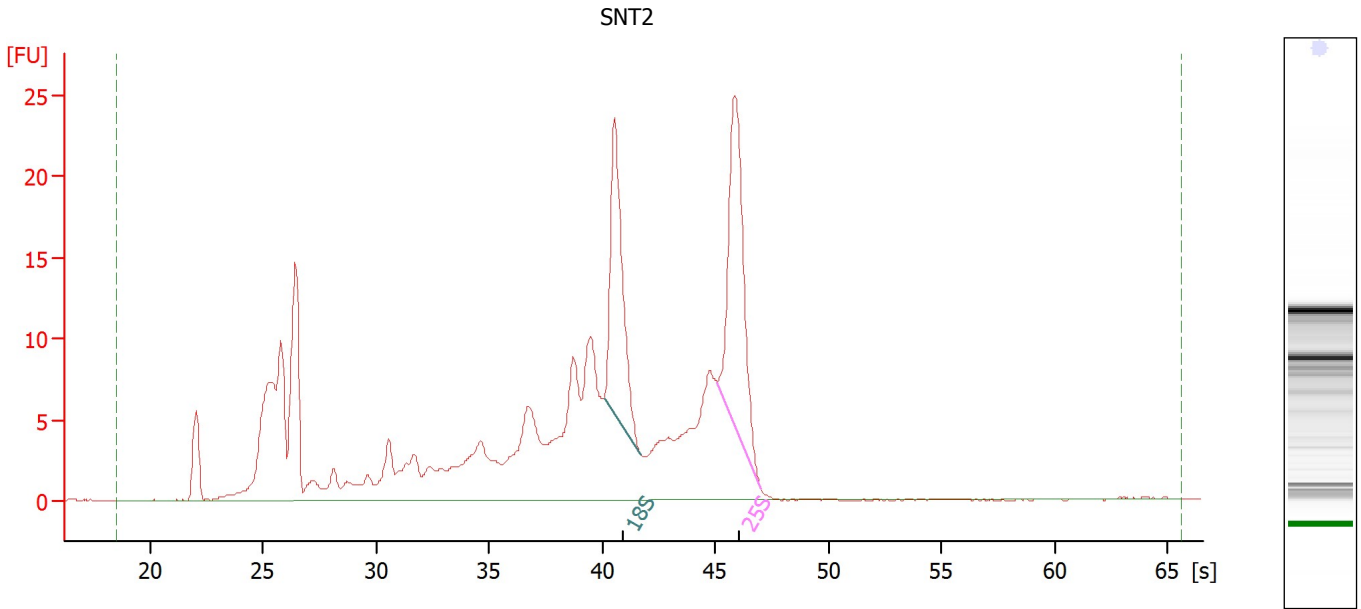
Fragment table for sample 4 : SNT1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.90	41.61	32.1	9.5
25S	45.00	47.01	39.7	11.8

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
 Modified: 6/20/2022 12:57:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : SNT2

RNA Area:	302.6	RNA Integrity Number (RIN):	6.6 (B.02.08)
RNA Concentration:	1,748 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.2	Result Flagging Label:	RIN: 6.60

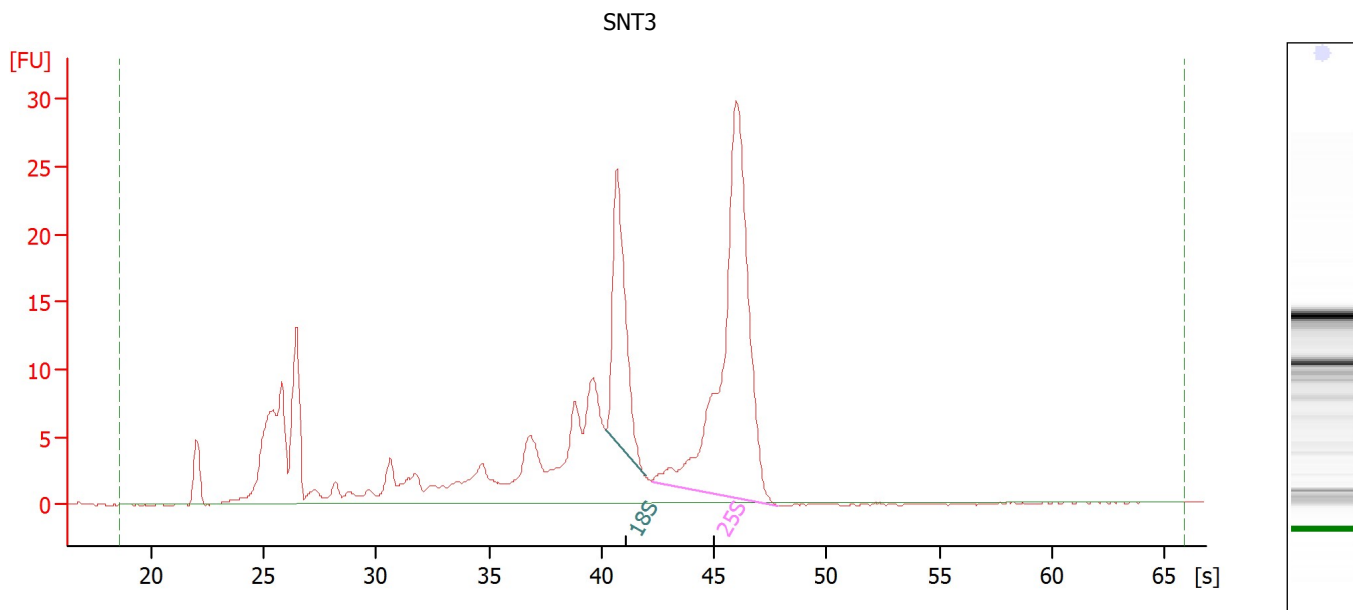
Fragment table for sample 5 : SNT2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.06	41.67	27.8	9.2
25S	45.09	47.04	33.3	11.0

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
 Modified: 6/20/2022 12:57:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : SNT3

RNA Area:	287.8	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	1,663 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.6	Result Flagging Label:	RIN: 7.80

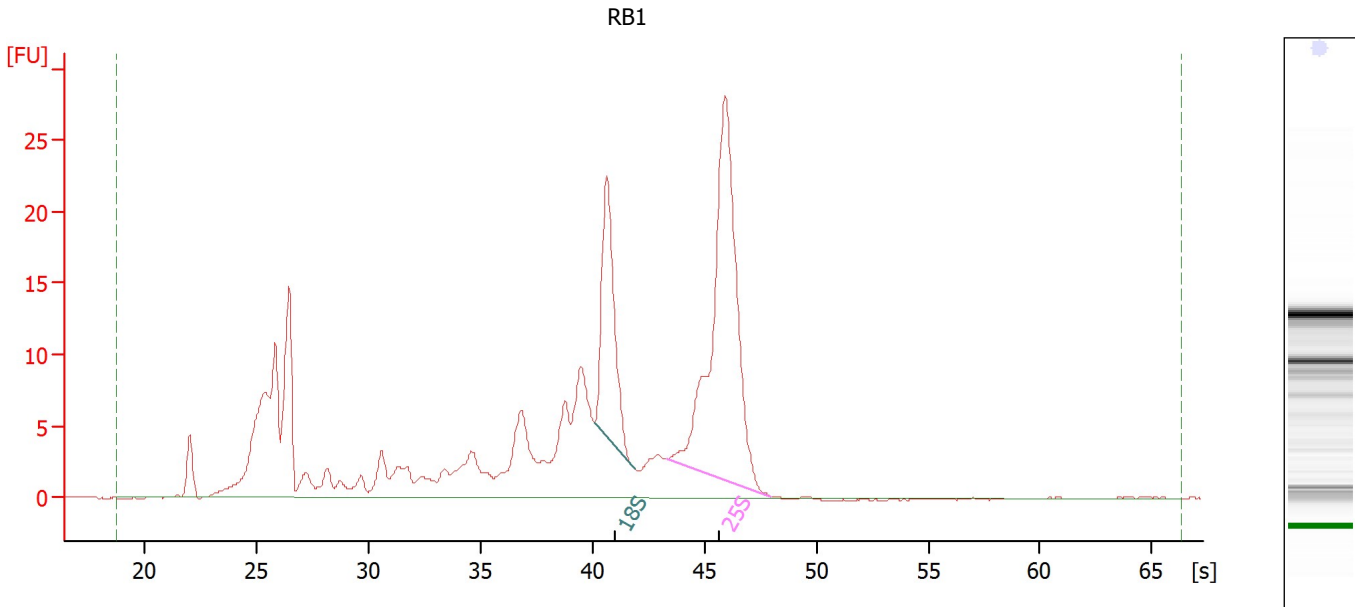
Fragment table for sample 6 : SNT3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.18	41.95	32.4	11.3
25S	42.19	47.82	85.3	29.6

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
 Modified: 6/20/2022 12:57:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : RB1

RNA Area:	299.8	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	1,732 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.5	Result Flagging Label:	RIN: 7.60

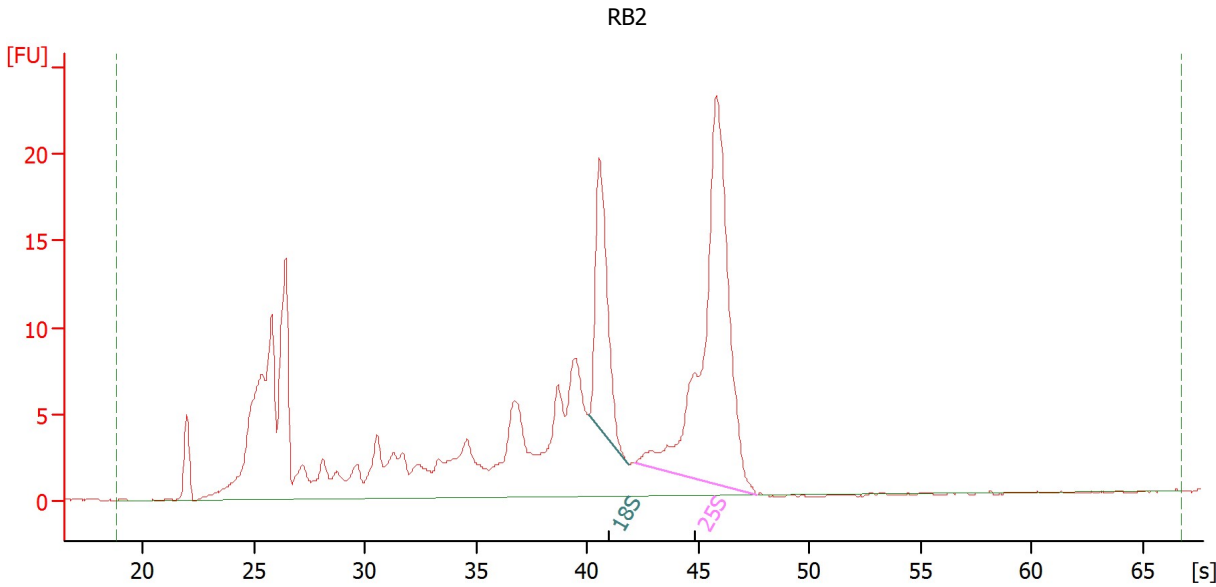
Fragment table for sample 7 : RB1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.11	41.84	28.9	9.6
25S	43.33	47.94	72.2	24.1

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
 Modified: 6/20/2022 12:57:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : RB2

RNA Area:	283.9	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	1,641 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.7	Result Flagging Label:	RIN: 7.40

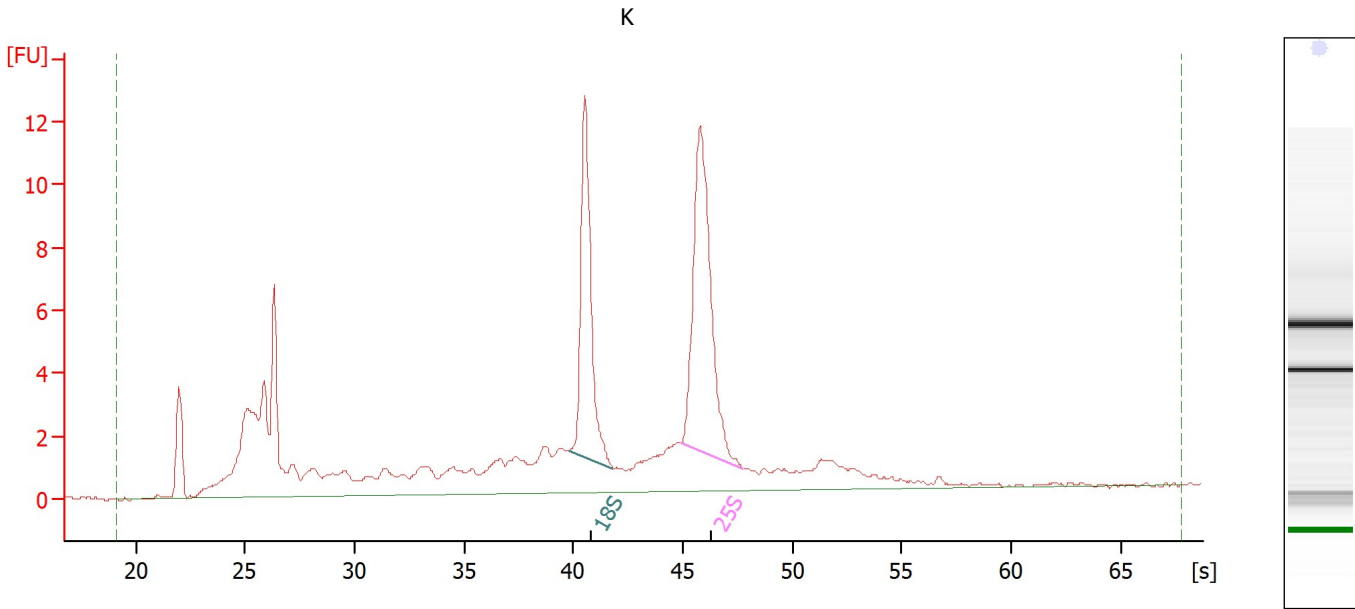
Fragment table for sample 8 : RB2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.08	41.87	23.8	8.4
25S	42.16	47.67	65.0	22.9

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
 Modified: 6/20/2022 12:57:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : K

RNA Area:	126.0	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	728 µg/µl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.4	Result Flagging Label:	RIN: 7.50

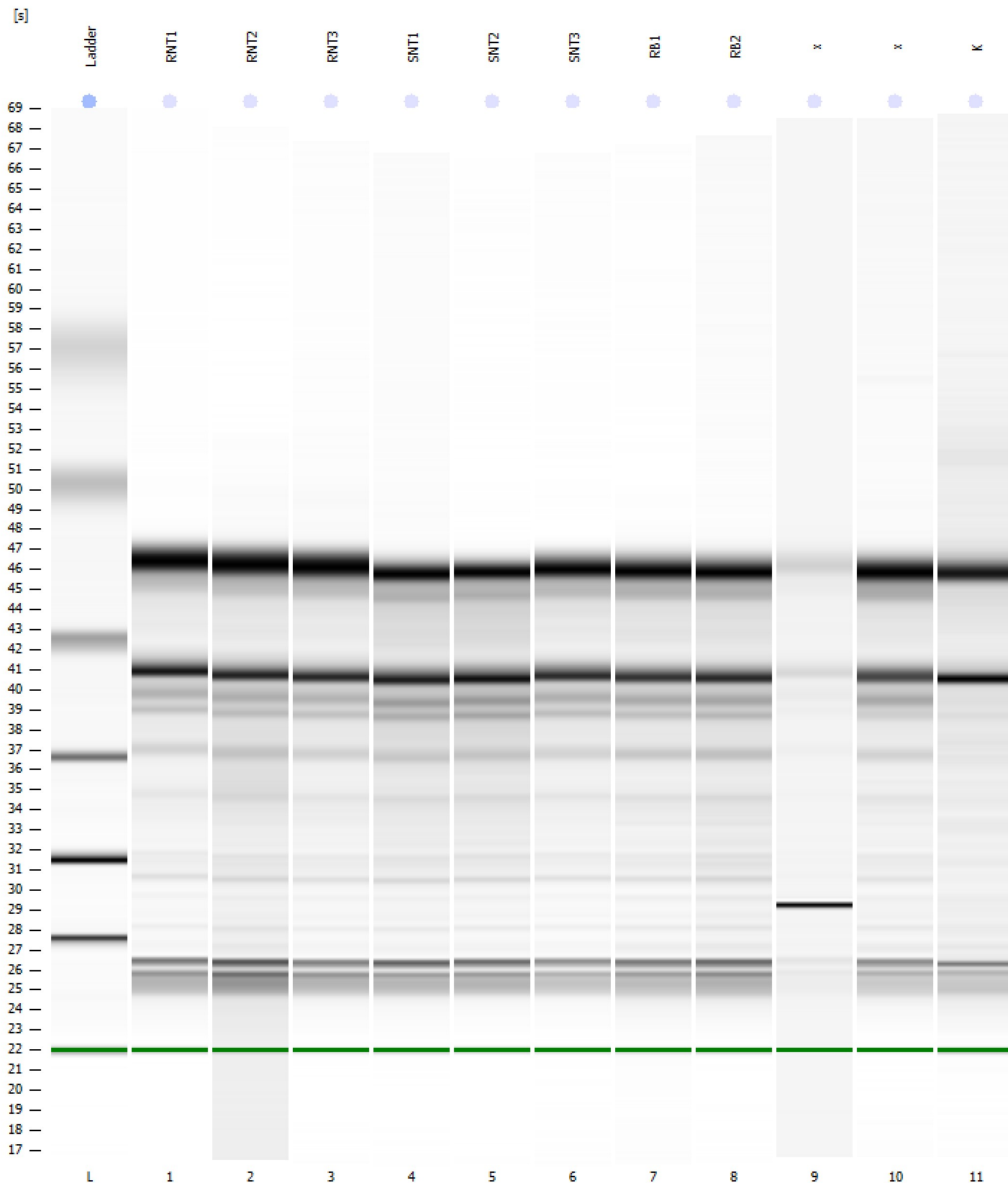
Fragment table for sample 11 : K

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.78	41.84	15.0	11.9
25S	44.93	47.73	20.7	16.4

Assay Class: Plant RNA Pico
Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
Modified: 6/20/2022 12:57:09 PM

Gel Image

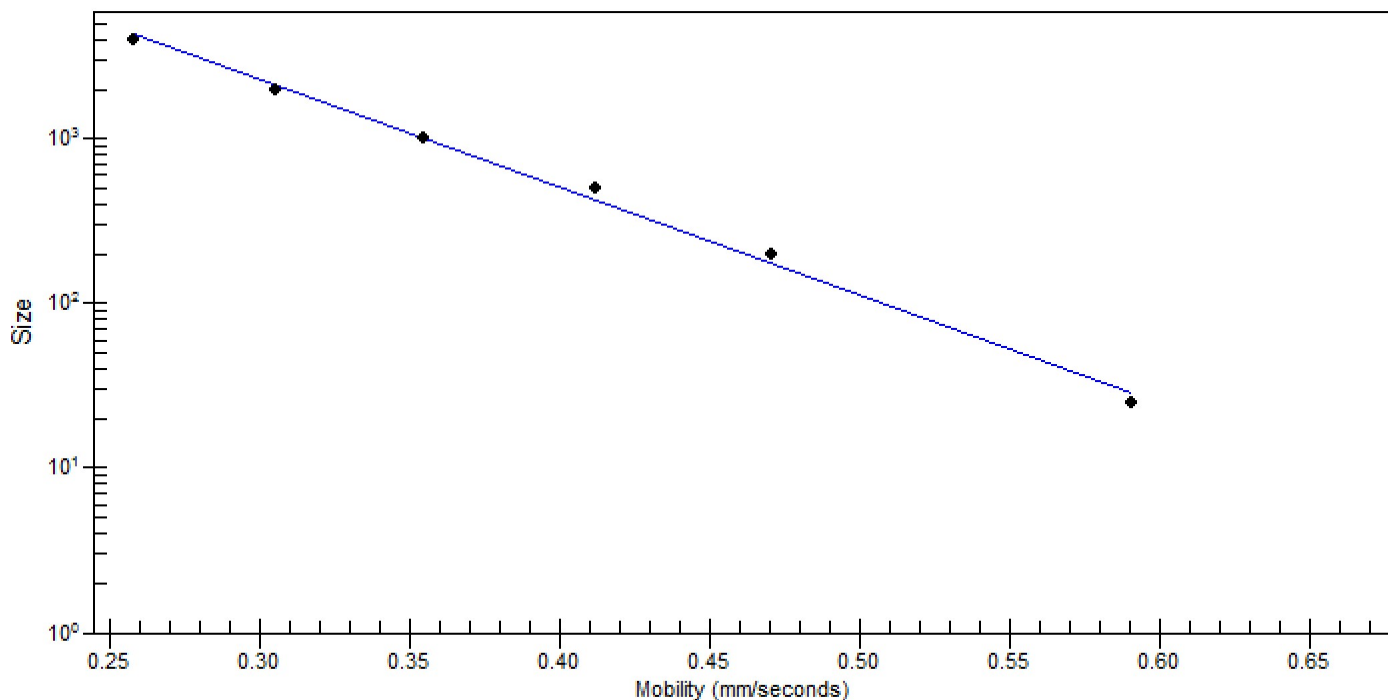


Assay Class: Plant RNA Pico
Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-15_16-16-59.xad

Created: 6/15/2022 4:16:59 PM
Modified: 6/20/2022 12:57:09 PM

Curves

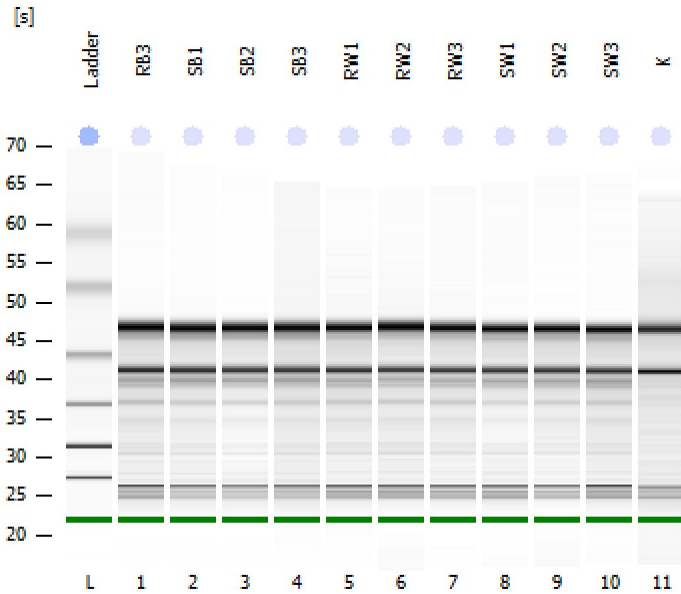
Standard Curve



Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903715 Firmware: C.01.069
 Serial#: DE34903715 Type: G2938C

Assay Information:

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

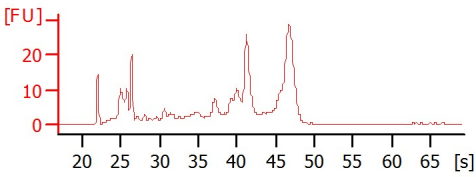
Assay Class: Plant RNA Pico
 Version: 1.3
 Assay Comments: Total RNA Analysis pg sensitivity (Plant)

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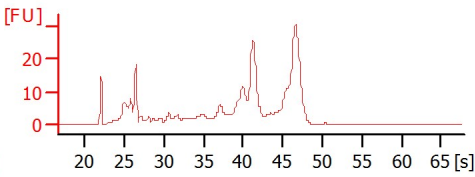
Chip Information:

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

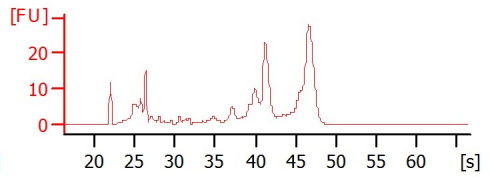
RB3
 RIN: 7.40



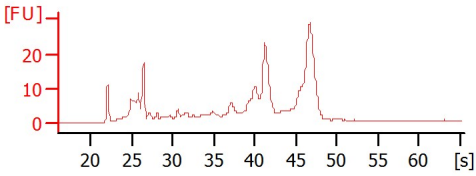
SB1
 RIN: 7.80



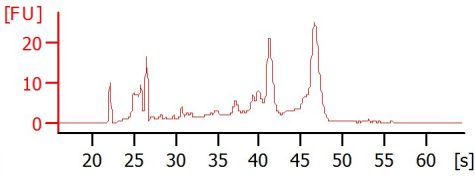
SB2
 RIN: 8.10



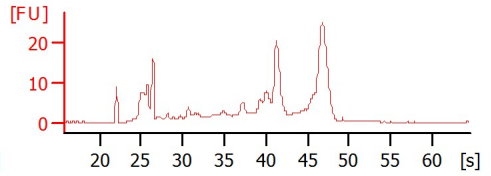
SB3
 RIN: 7.80



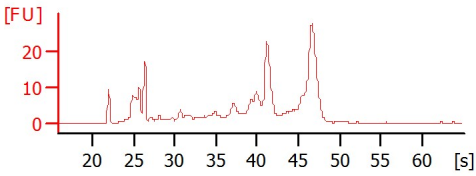
RW1
 RIN: 7.50



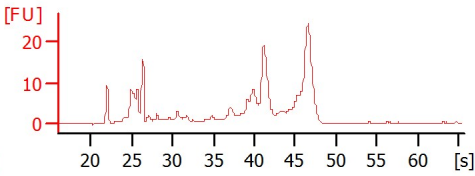
RW2
 RIN: 7.70



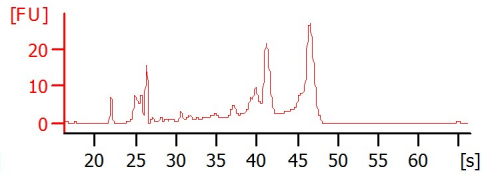
RW3
 RIN: 7.70



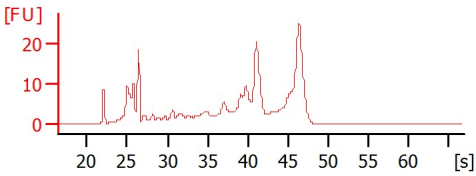
SW1
 RIN: 8



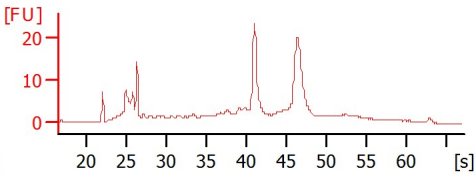
SW2
 RIN: 7.80



SW3
 RIN: 7.60



K
 RIN: 7.60



Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
RB3		✓	RIN: 7.40	
SB1		✓	RIN: 7.80	
SB2		✓	RIN: 8.10	
SB3		✓	RIN: 7.80	
RW1		✓	RIN: 7.50	
RW2		✓	RIN: 7.70	
RW3		✓	RIN: 7.70	
SW1		✓	RIN:8	
SW2		✓	RIN: 7.80	
SW3		✓	RIN: 7.60	
K		✓	RIN: 7.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Pico
Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
Modified: 6/20/2022 12:48:32 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

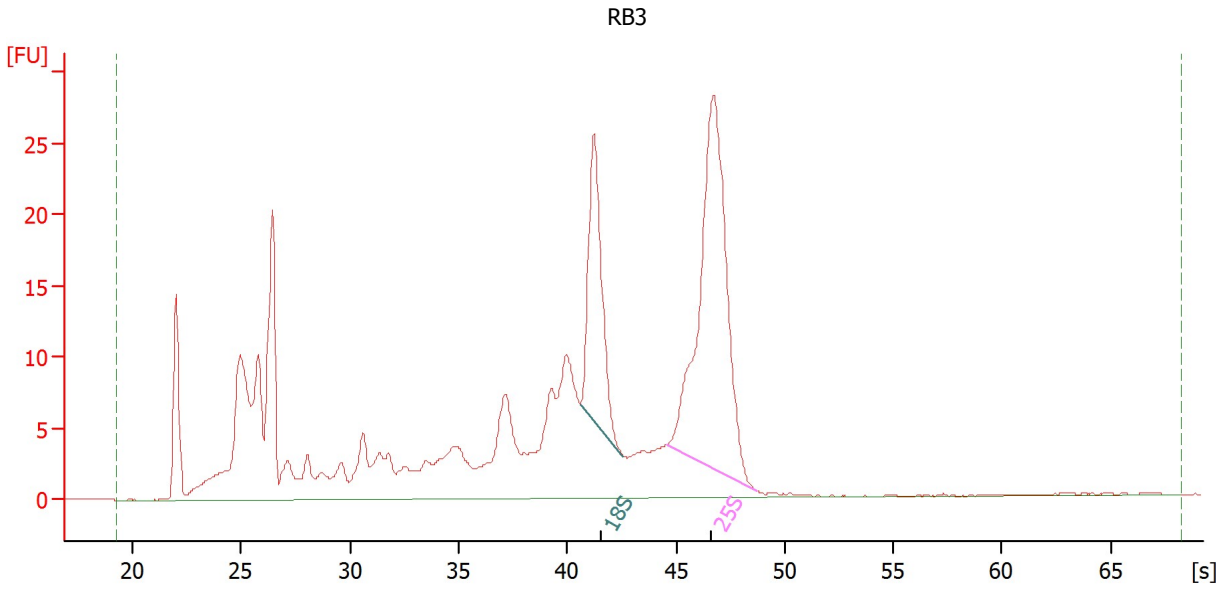
Ladder

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

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electropherogram Summary



Overall Results for sample 1 : RB3

RNA Area:	391.2	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	2,165 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.4	Result Flagging Label:	RIN: 7.40

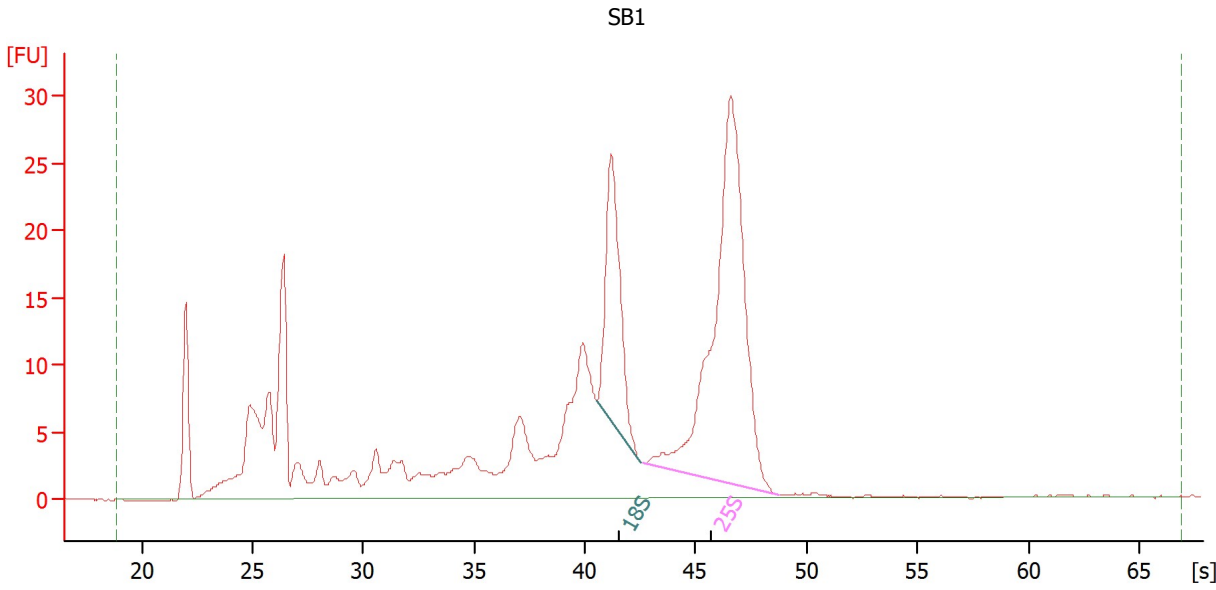
Fragment table for sample 1 : RB3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.59	42.57	34.3	8.8
25S	44.54	48.70	80.9	20.7

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : SB1

RNA Area:	367.4	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	2,033 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.7	Result Flagging Label:	RIN: 7.80

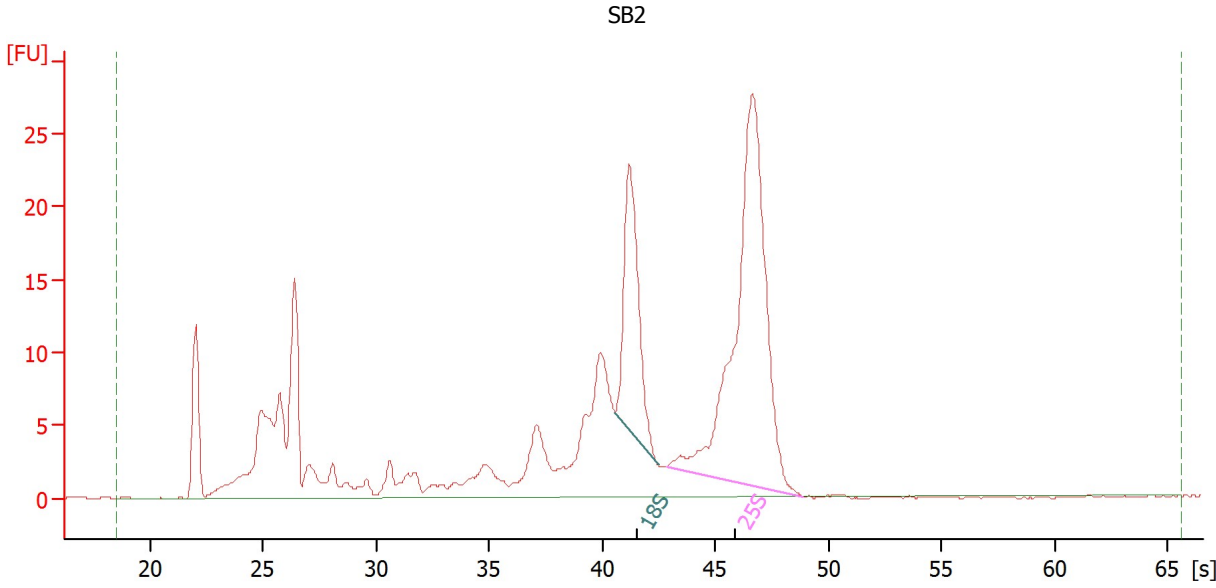
Fragment table for sample 2 : SB1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.56	42.50	36.4	9.9
25S	42.59	48.75	97.9	26.6

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : SB2

RNA Area:	299.7	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	1,658 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.7	Result Flagging Label:	RIN: 8.10

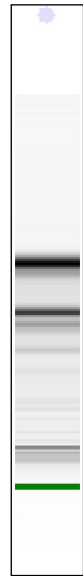
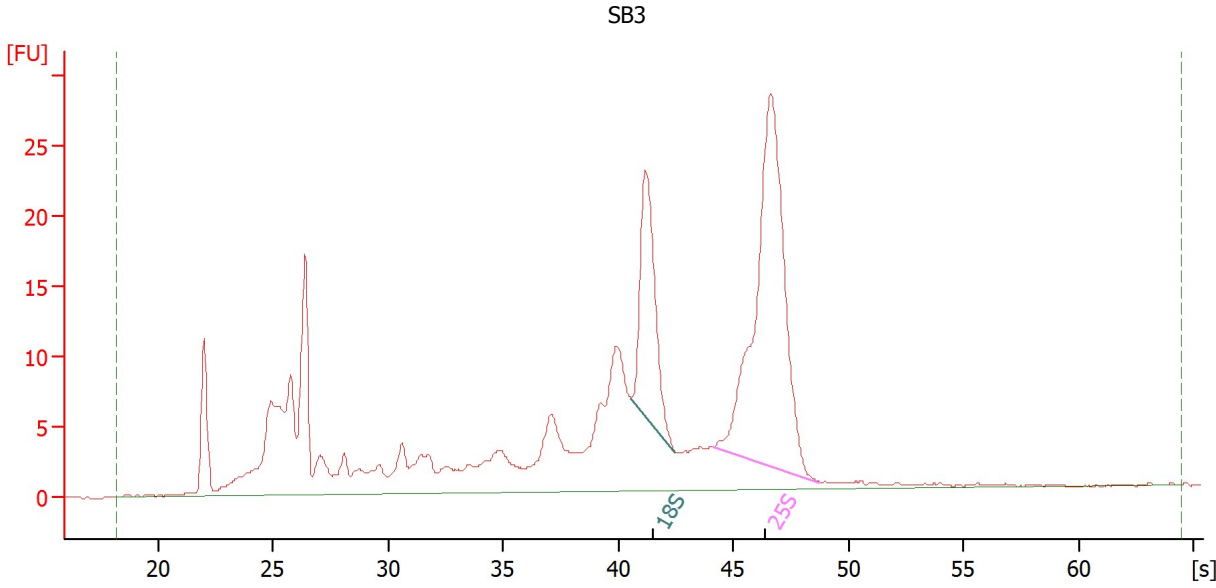
Fragment table for sample 3 : SB2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.58	42.48	32.7	10.9
25S	42.86	48.85	88.8	29.6

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SB3

RNA Area:	357.9	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	1,981 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.6	Result Flagging Label:	RIN: 7.80

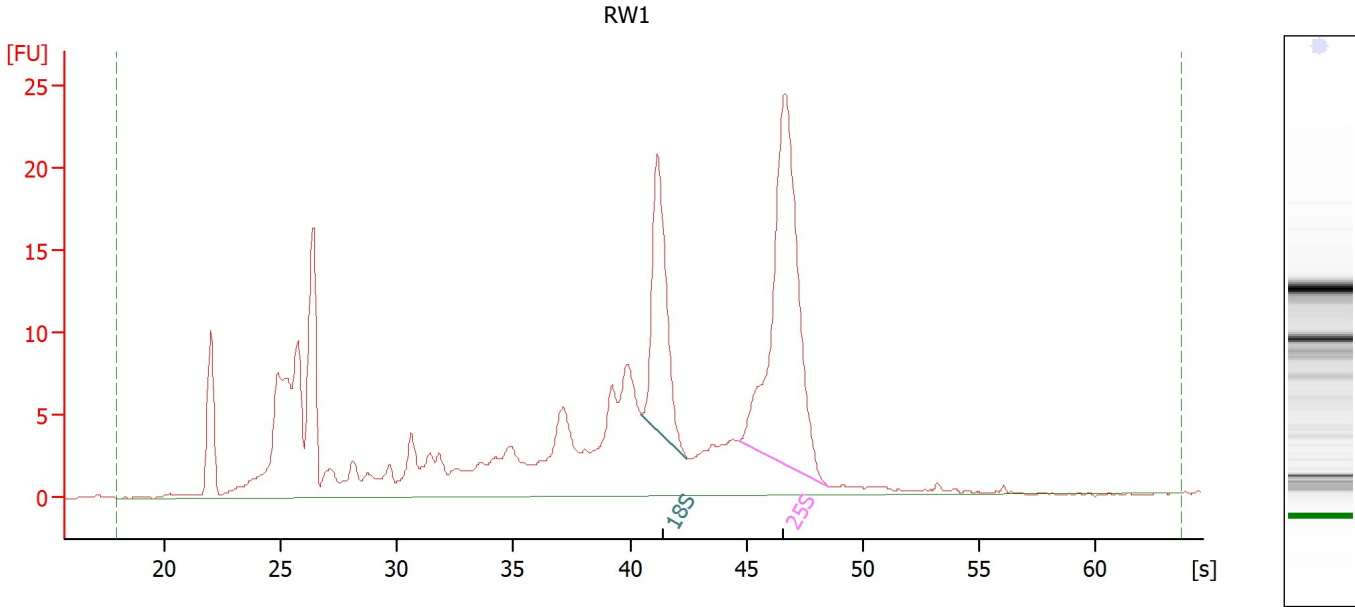
Fragment table for sample 4 : SB3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.59	42.51	31.2	8.7
25S	44.14	48.76	81.4	22.7

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : RW1

RNA Area:	315.3	RNA Integrity Number (RIN):	7.5 (B.02.08)
RNA Concentration:	1,745 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.1	Result Flagging Label:	RIN: 7.50

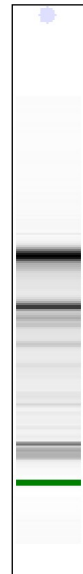
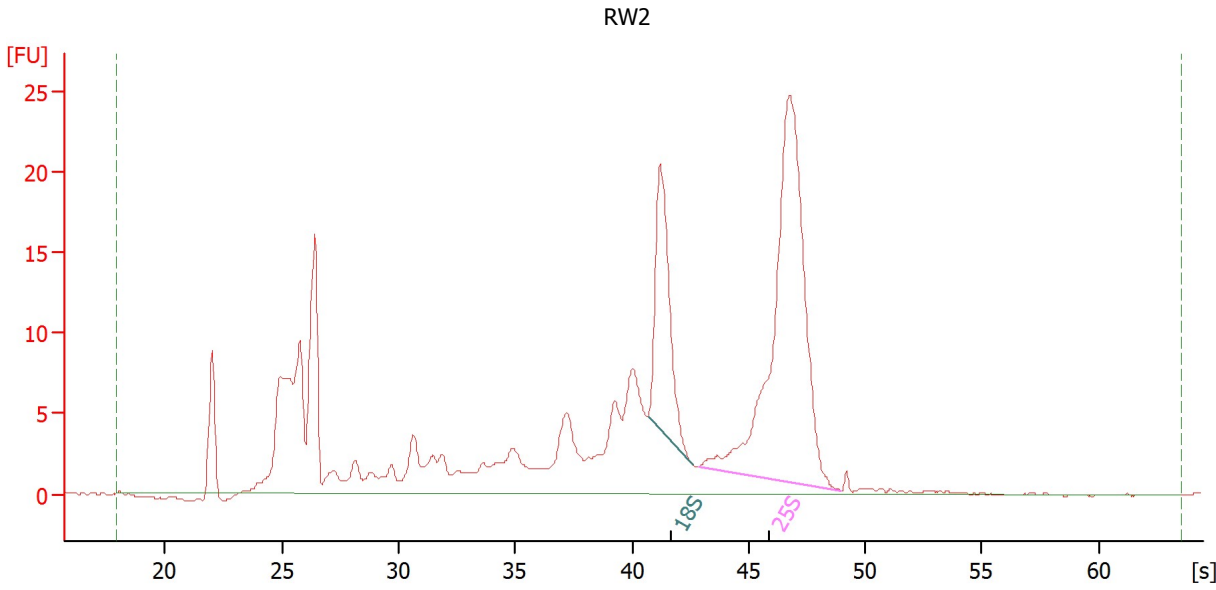
Fragment table for sample 5 : RW1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.49	42.48	28.5	9.0
25S	44.65	48.52	60.8	19.3

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : RW2

RNA Area:	294.9	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	1,632 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.8	Result Flagging Label:	RIN: 7.70

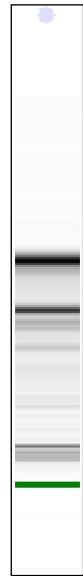
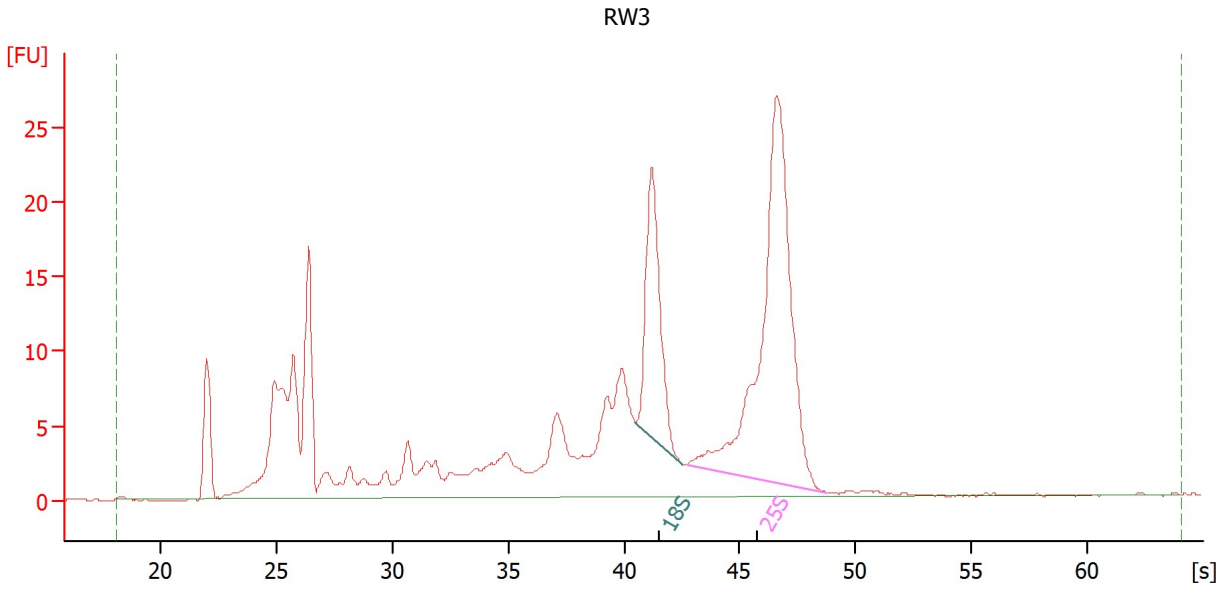
Fragment table for sample 6 : RW2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.69	42.57	27.9	9.4
25S	42.90	48.97	79.0	26.8

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : RW3

RNA Area:	319.1	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	1,766 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.6	Result Flagging Label:	RIN: 7.70

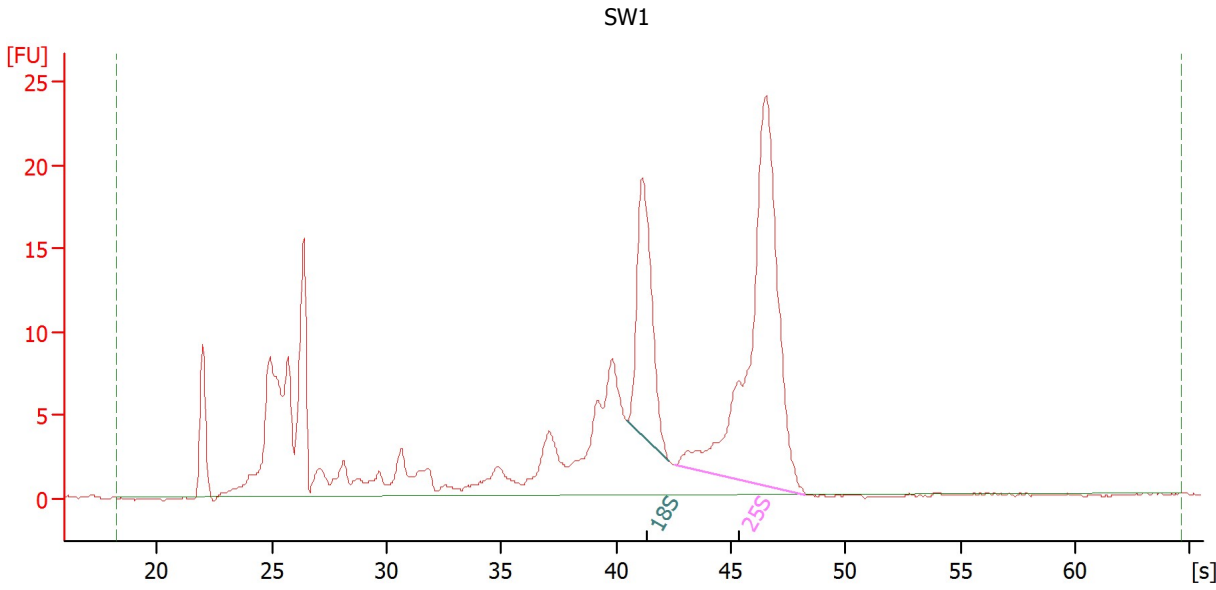
Fragment table for sample 7 : RW3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.47	42.51	30.9	9.7
25S	42.70	48.73	80.9	25.3

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : SW1

RNA Area:	265.0	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	1,466 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.5	Result Flagging Label:	RIN:8

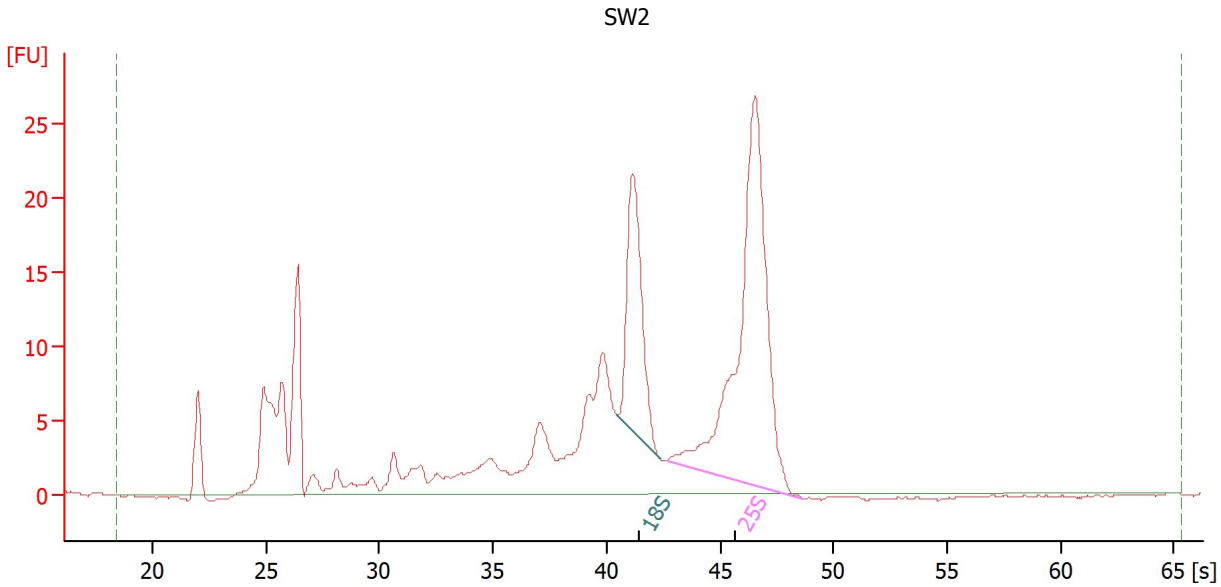
Fragment table for sample 8 : SW1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.49	42.31	28.5	10.8
25S	42.55	48.26	71.8	27.1

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : SW2

RNA Area:	282.4	RNA Integrity Number (RIN):	7.8 (B.02.08)
RNA Concentration:	1,563 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.5	Result Flagging Label:	RIN: 7.80

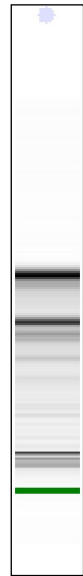
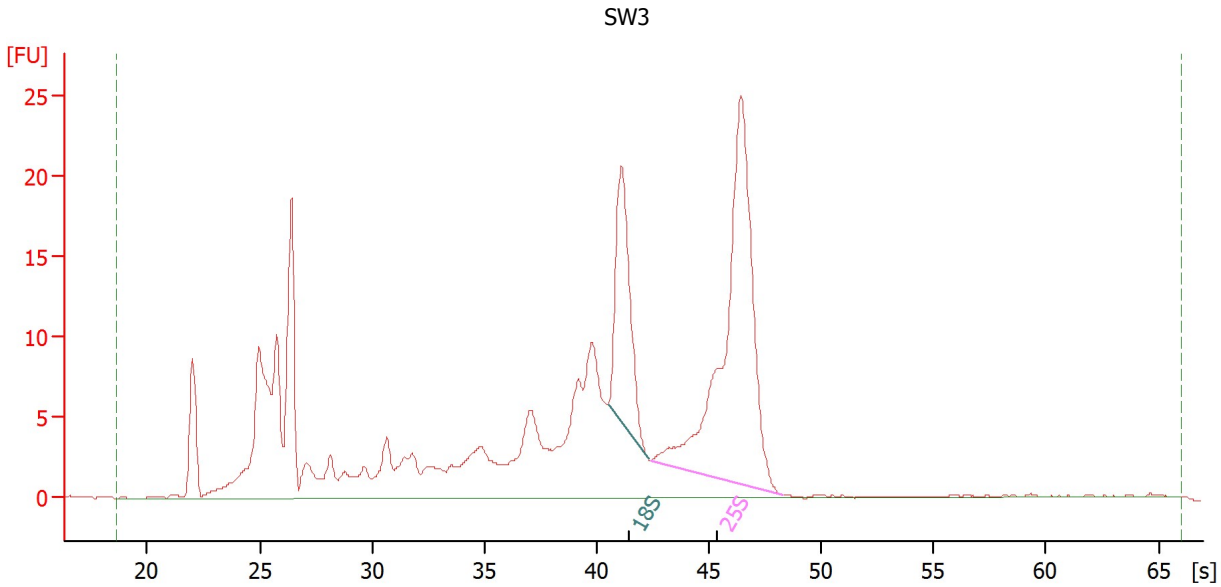
Fragment table for sample 9 : SW2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.50	42.39	31.5	11.1
25S	42.63	48.68	79.6	28.2

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : SW3

RNA Area:	327.7	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	1,813 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.6	Result Flagging Label:	RIN: 7.60

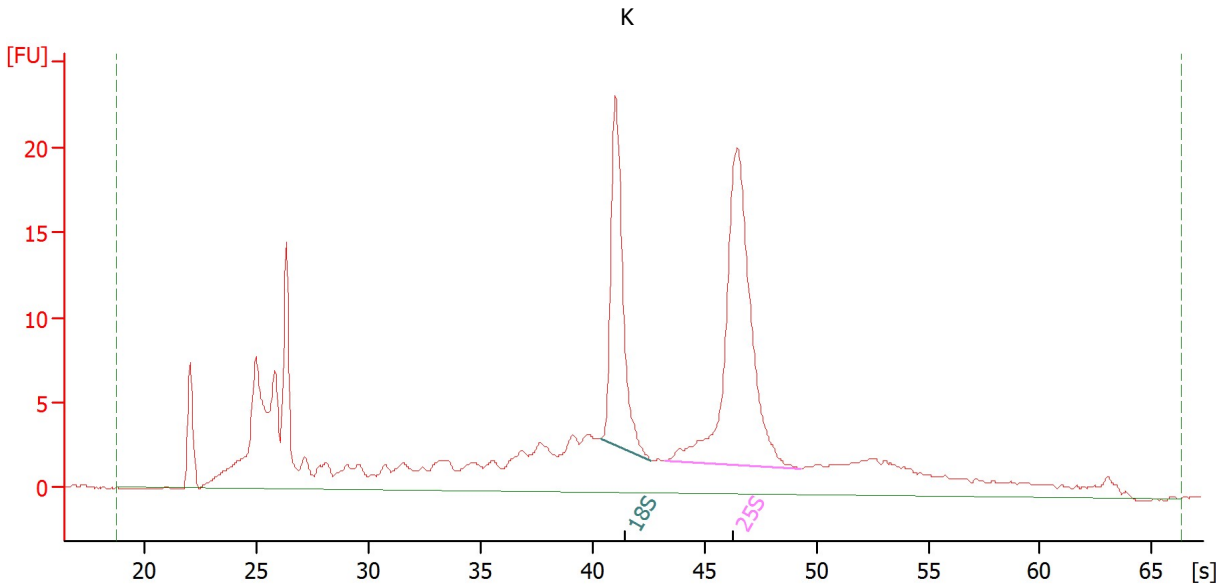
Fragment table for sample 10 : SW3

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.51	42.28	28.2	8.6
25S	42.37	48.26	74.6	22.8

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
 Modified: 6/20/2022 12:48:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : K

RNA Area:	281.2	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	1,556 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.7	Result Flagging Label:	RIN: 7.60

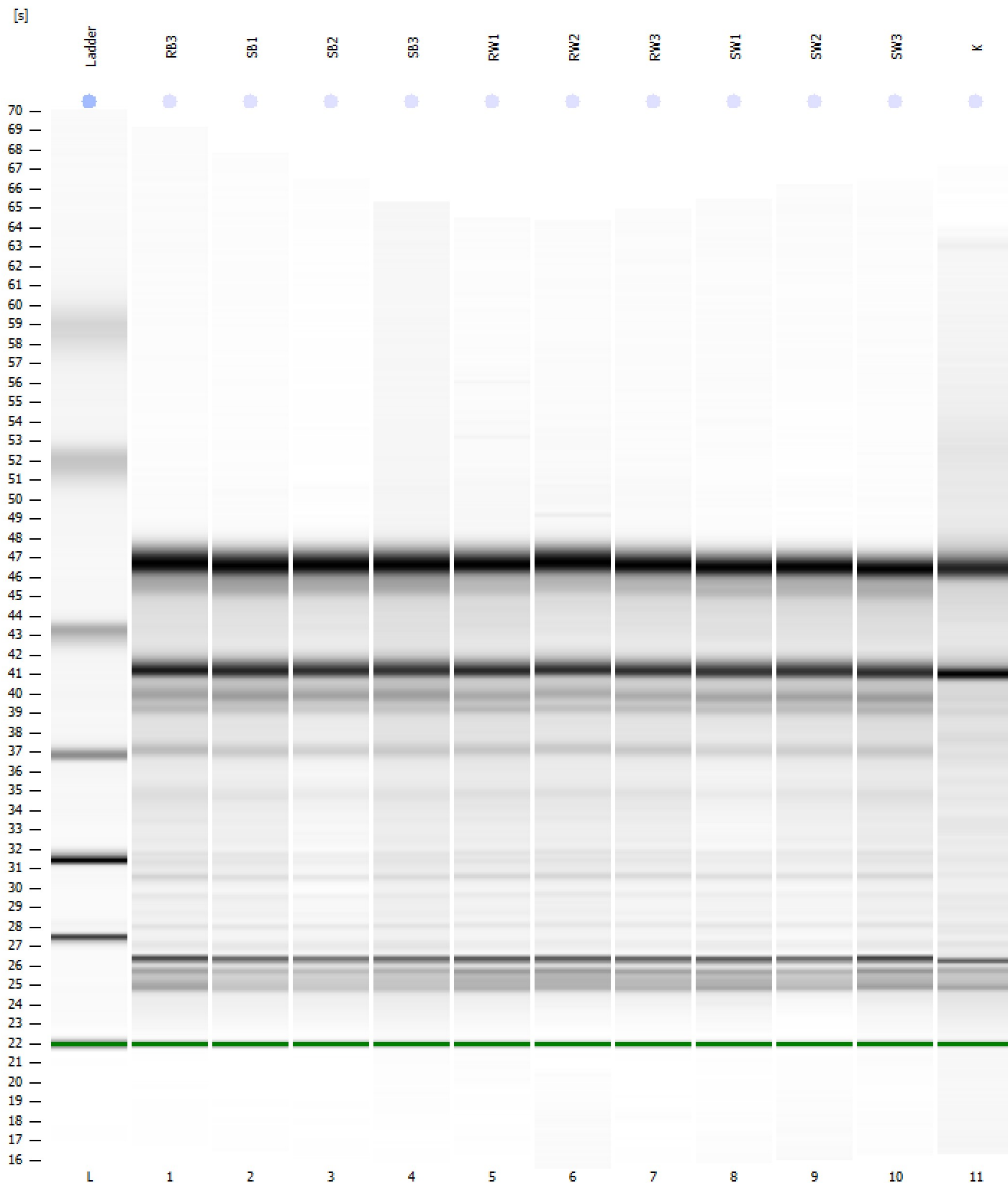
Fragment table for sample 11 : K

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.35	42.61	30.5	10.9
25S	43.23	49.33	52.3	18.6

Assay Class: Plant RNA Pico
Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
Modified: 6/20/2022 12:48:32 PM

Gel Image

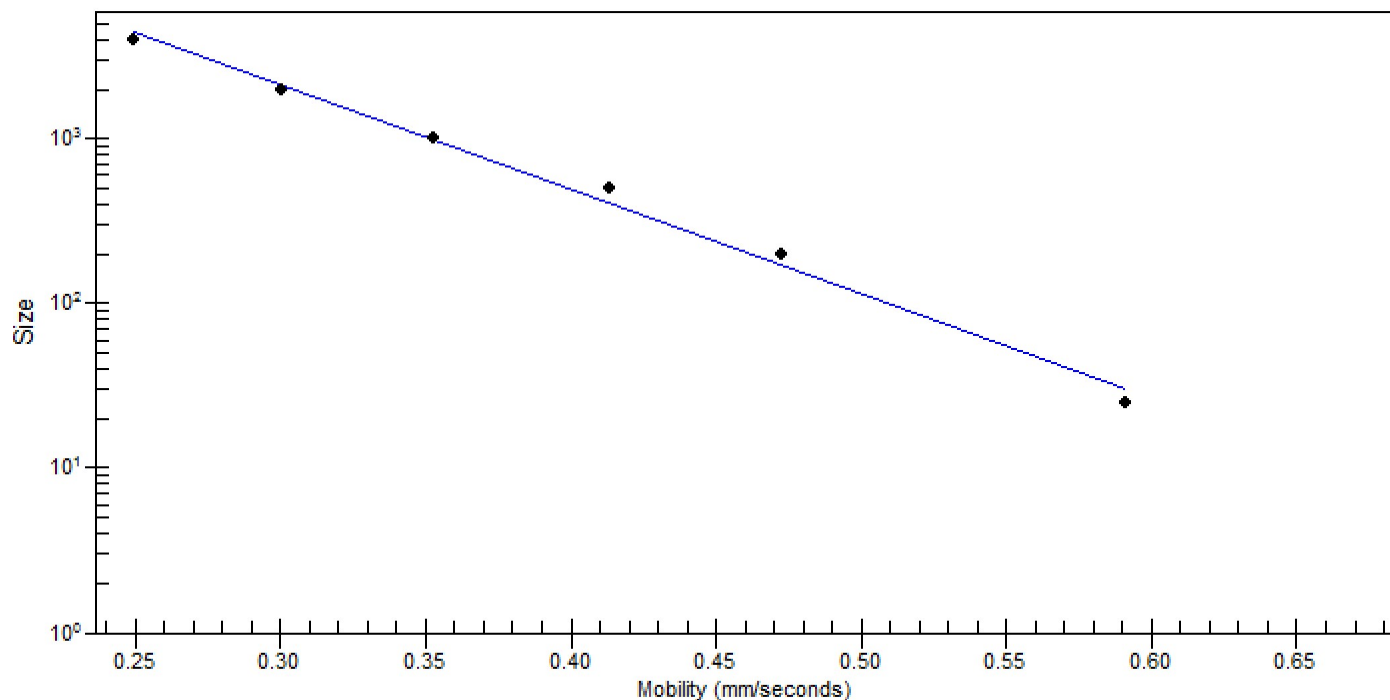


Assay Class: Plant RNA Pico
Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-20_12-25-31.xad

Created: 6/20/2022 12:25:31 PM
Modified: 6/20/2022 12:48:32 PM

Curves

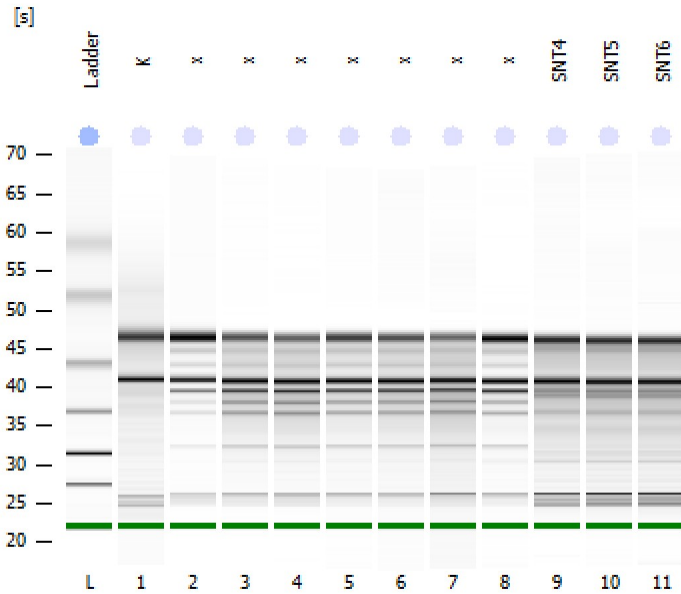
Standard Curve



Assay Class: Plant RNA Pico
Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-23_16-41-12.xad

Created: 6/23/2022 4:41:12 PM
Modified: 6/23/2022 5:05:54 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903715 Firmware: C.01.069
Serial#: DE34903715 Type: G2938C

Assay Information:

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

Assay Class: Plant RNA Pico

Version: 1.3

Assay Comments: Total RNA Analysis pg sensitivity (Plant)

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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-23_16-41-12.xad

Created: 6/23/2022 4:41:12 PM
 Modified: 6/23/2022 5:05:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
K		✓	RIN: 7.90	
x		✓	RIN: 8.50	
x		✓	RIN: 6.50	
x		✓	RIN: 6.30	
x		✓	RIN: 6.70	
x		✓	RIN: 6.50	
x		✓	RIN: 6.20	
x		✓	RIN: 6.90	
SNT4		✓	RIN:7	
SNT5		✓	RIN: 6.90	
SNT6		✓	RIN: 6.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Plant RNA Pico
Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-23_16-41-12.xad

Created: 6/23/2022 4:41:12 PM
Modified: 6/23/2022 5:05:54 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

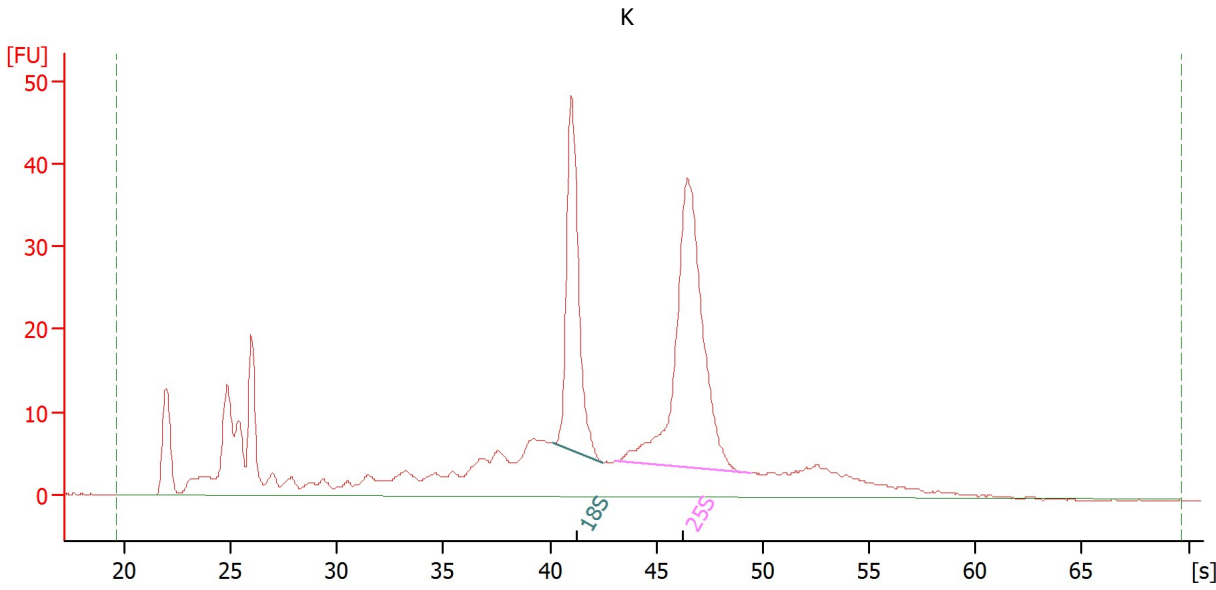
Ladder

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

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-23_16-41-12.xad

Created: 6/23/2022 4:41:12 PM
 Modified: 6/23/2022 5:05:54 PM

Electropherogram Summary



Overall Results for sample 1 : K

RNA Area:	494.7	RNA Integrity Number (RIN):	7.9 (B.02.08)
RNA Concentration:	3,466 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	1.6	Result Flagging Label:	RIN: 7.90

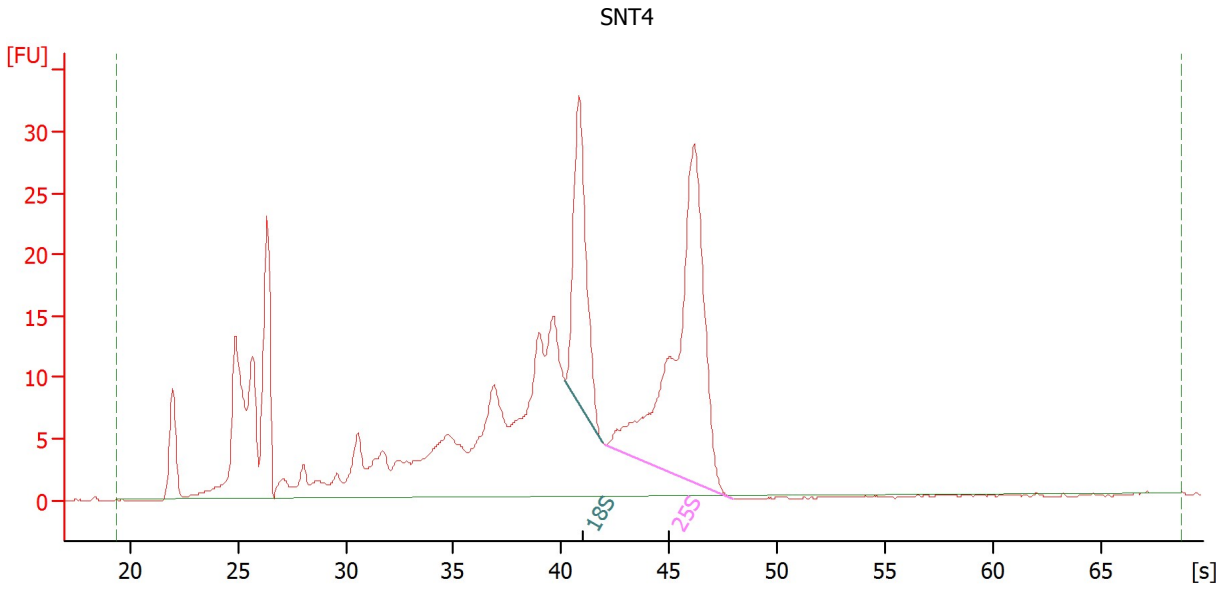
Fragment table for sample 1 : K

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.17	42.49	67.5	13.7
25S	43.09	49.40	111.4	22.5

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-23_16-41-12.xad

Created: 6/23/2022 4:41:12 PM
 Modified: 6/23/2022 5:05:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : SNT4

RNA Area:	449.2	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	3,147 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.3	Result Flagging Label:	RIN:7

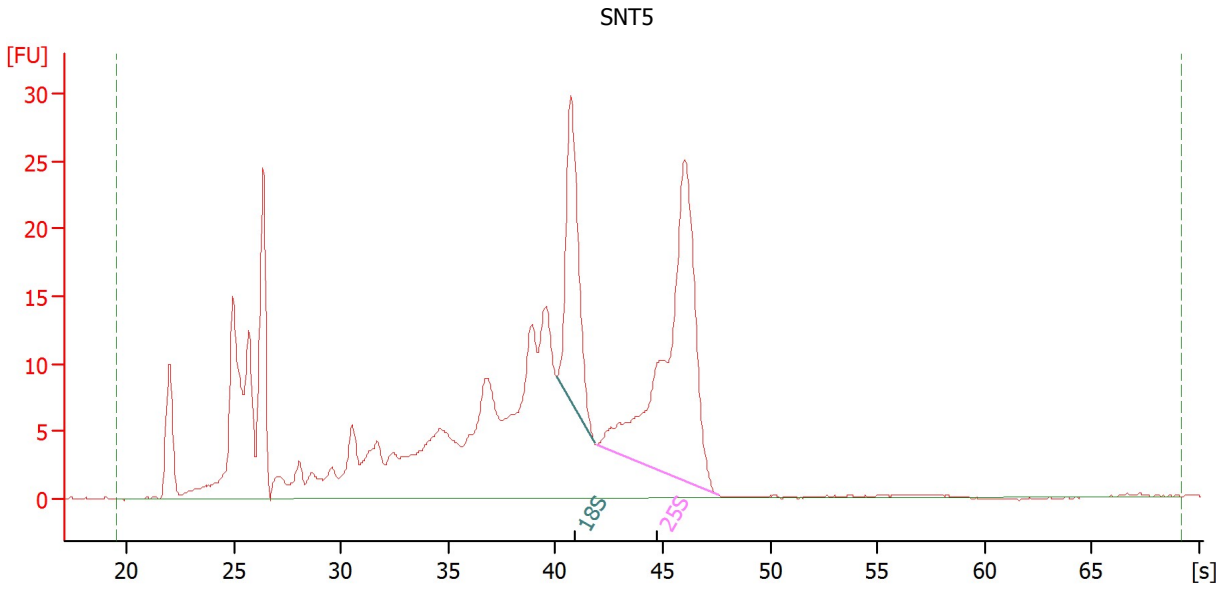
Fragment table for sample 9 : SNT4

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.17	41.91	40.9	9.1
25S	42.01	47.93	93.9	20.9

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-23_16-41-12.xad

Created: 6/23/2022 4:41:12 PM
 Modified: 6/23/2022 5:05:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : SNT5

RNA Area:	441.4	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	3,092 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.3	Result Flagging Label:	RIN: 6.90

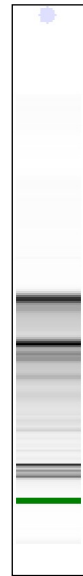
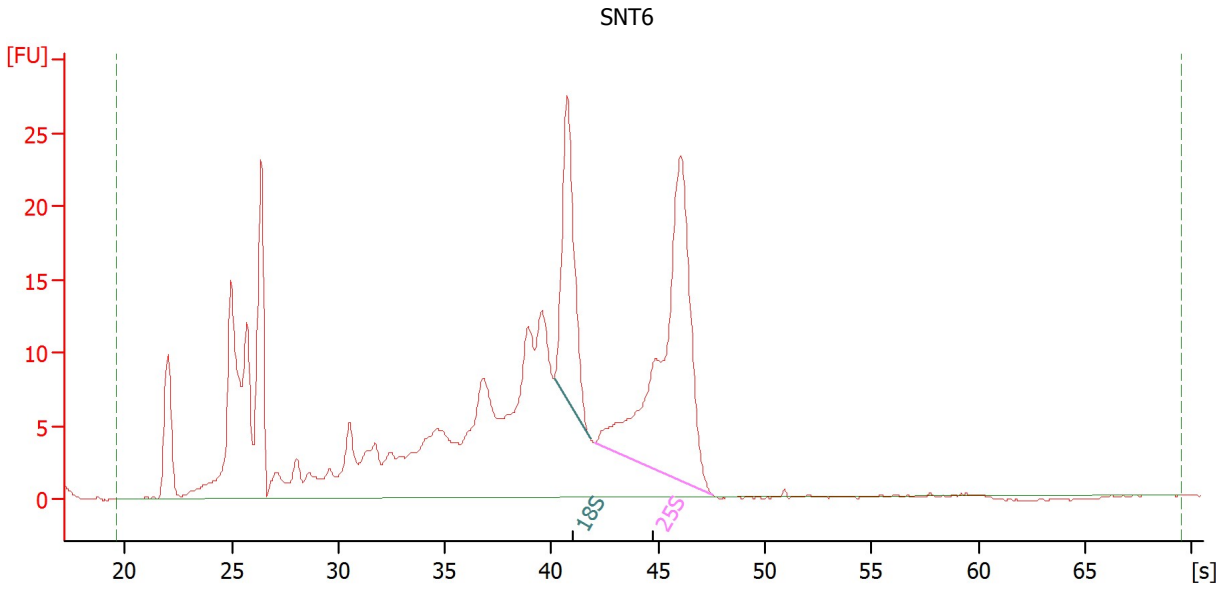
Fragment table for sample 10 : SNT5

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.09	41.79	36.7	8.3
25S	41.90	47.66	82.9	18.8

Assay Class: Plant RNA Pico
 Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-23_16-41-12.xad

Created: 6/23/2022 4:41:12 PM
 Modified: 6/23/2022 5:05:54 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : SNT6

RNA Area:	413.1	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	2,894 pg/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	2.3	Result Flagging Label:	RIN: 6.90

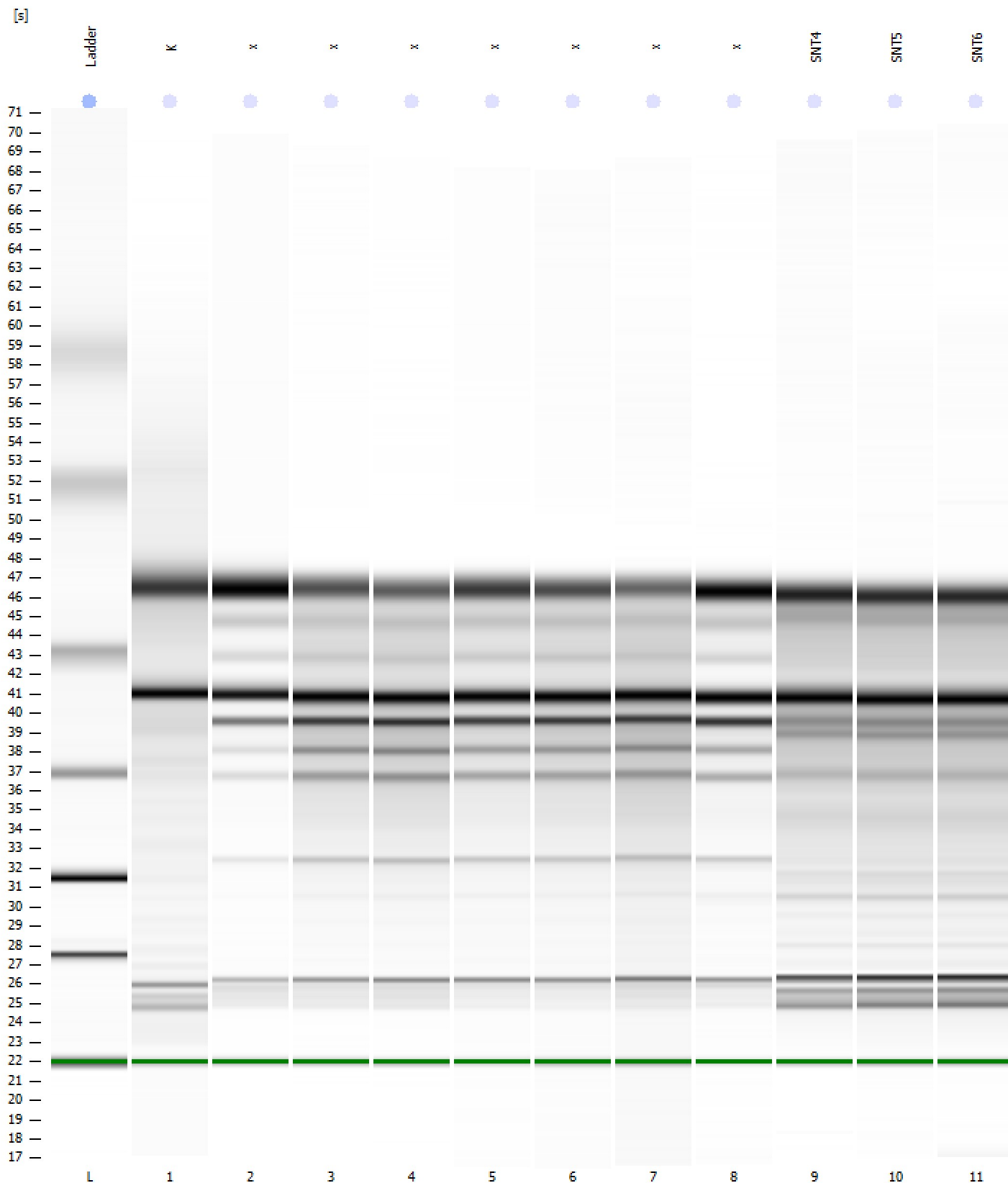
Fragment table for sample 11 : SNT6

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.12	41.78	33.4	8.1
25S	41.99	47.57	75.8	18.3

Assay Class: Plant RNA Pico
Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-23_16-41-12.xad

Created: 6/23/2022 4:41:12 PM
Modified: 6/23/2022 5:05:54 PM

Gel Image



Assay Class: Plant RNA Pico
Data Path: C:\...00 expert_Plant RNA Pico_DE34903715_2022-06-23_16-41-12.xad

Created: 6/23/2022 4:41:12 PM
Modified: 6/23/2022 5:05:54 PM

Curves

Standard Curve

