

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-07\2017-11-07_002.xad

Created: 11/7/2017 9:01:59 AM
Modified: 11/7/2017 9:17:44 AM

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

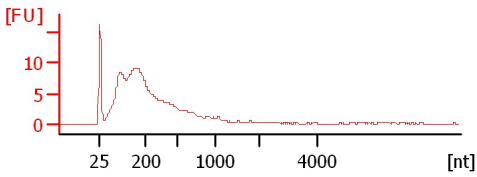
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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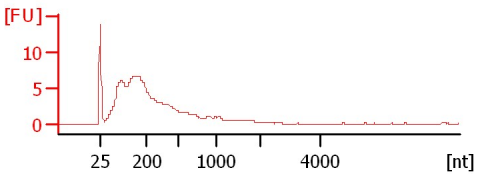
Chip Information:

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

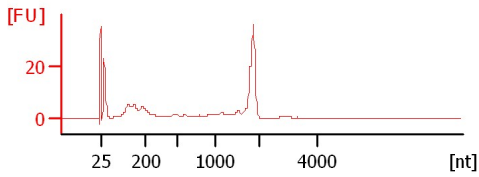
1. OK legs 1
RIN: 2.40



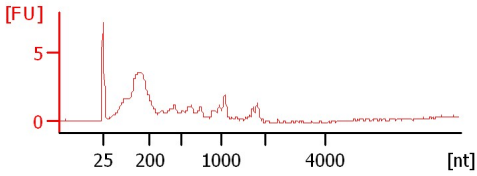
2. OK legs 2
RIN: 2.40



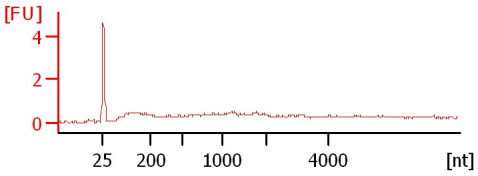
5. RI legs 1
RIN N/A



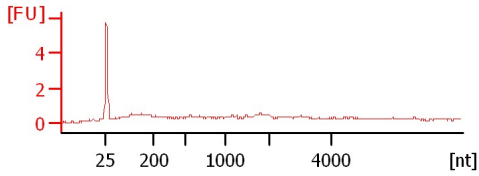
6. RI legs 2
RIN N/A



9. TN legs 1
RIN: 1.10



10. TN legs 2
RIN: 1



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1. OK legs 1		✓	RIN: 2.40	
2. OK legs 2		✓	RIN: 2.40	
5. RI legs 1		✓	RIN N/A	
6. RI legs 2		✓	RIN N/A	
9. TN legs 1		✓	RIN: 1.10	
10. TN legs 2		✓	RIN:1	
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

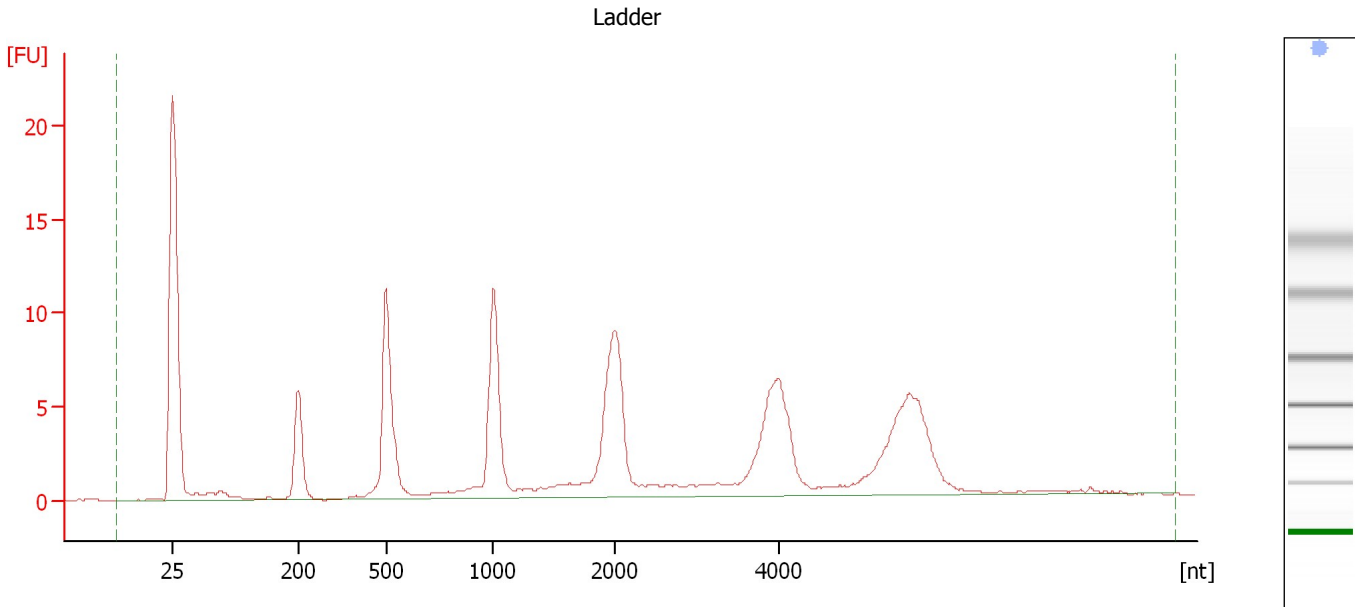
Ladder

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

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Modified: 11/7/2017 9:17:44 AM

Electropherogram Summary



Overall Results for Ladder

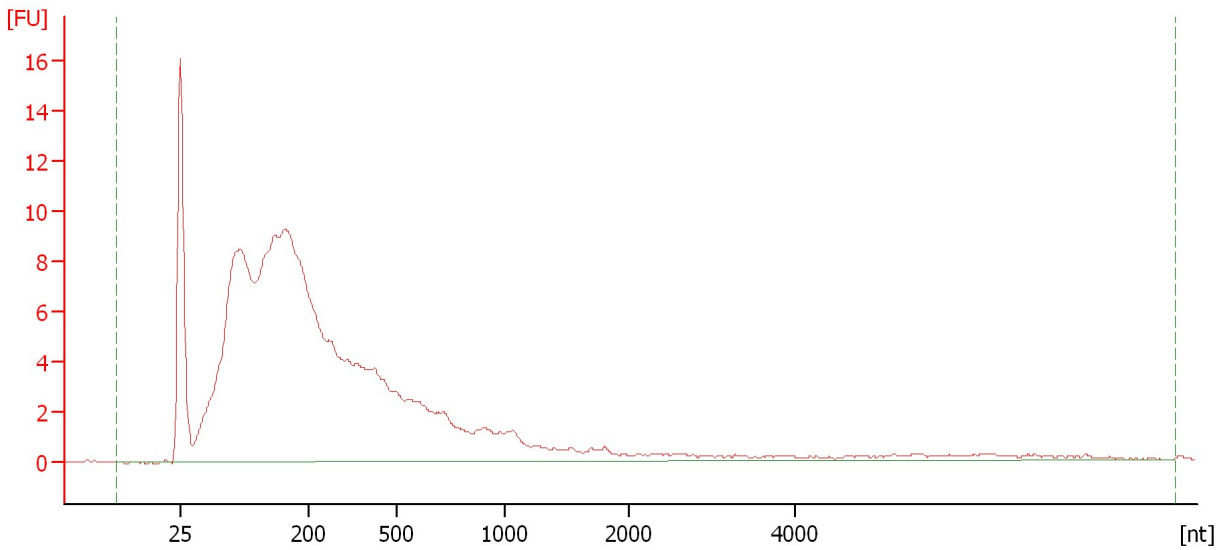
RNA Area:	129.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...

1. OK legs 1



Overall Results for sample 1 : 1. OK legs 1

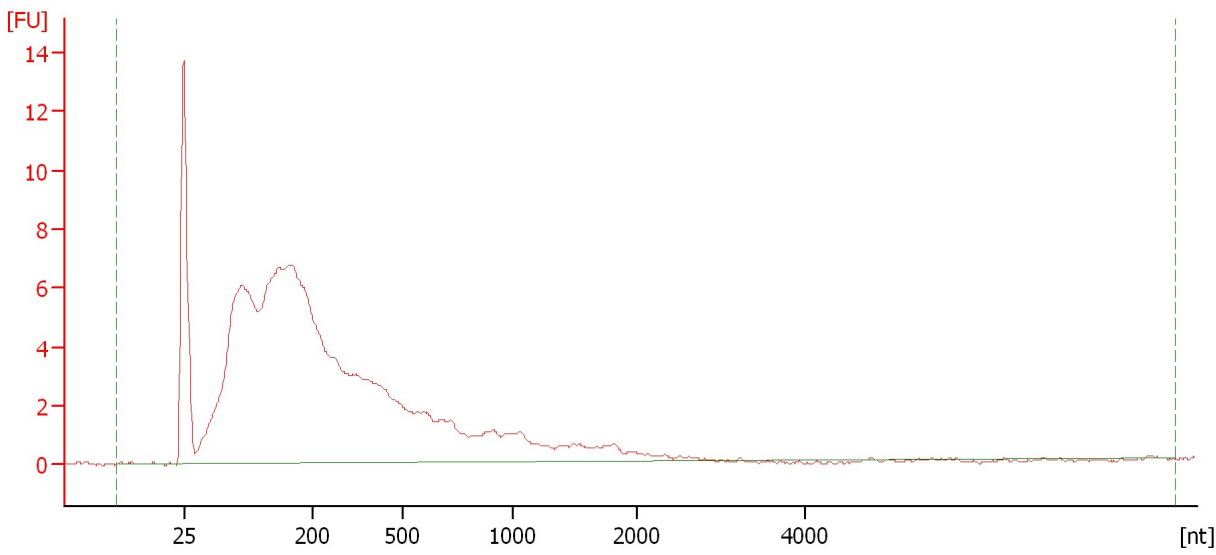
RNA Area:	230.2	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,779 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

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Modified: 11/7/2017 9:17:44 AM

Electropherogram Summary Continued ...

2. OK legs 2



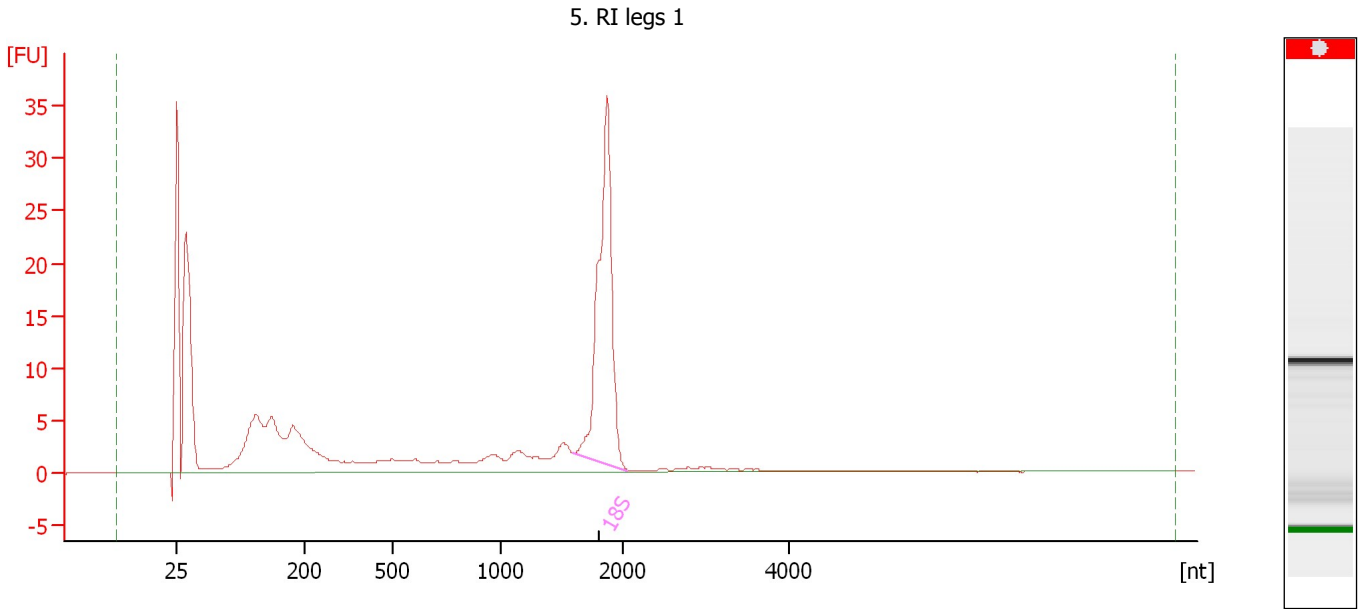
Overall Results for sample 2 : 2. OK legs 2

RNA Area:	169.9	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,313 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

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Modified: 11/7/2017 9:17:44 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 5. RI legs 1

RNA Area:	209.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1,616 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : 5. RI legs 1

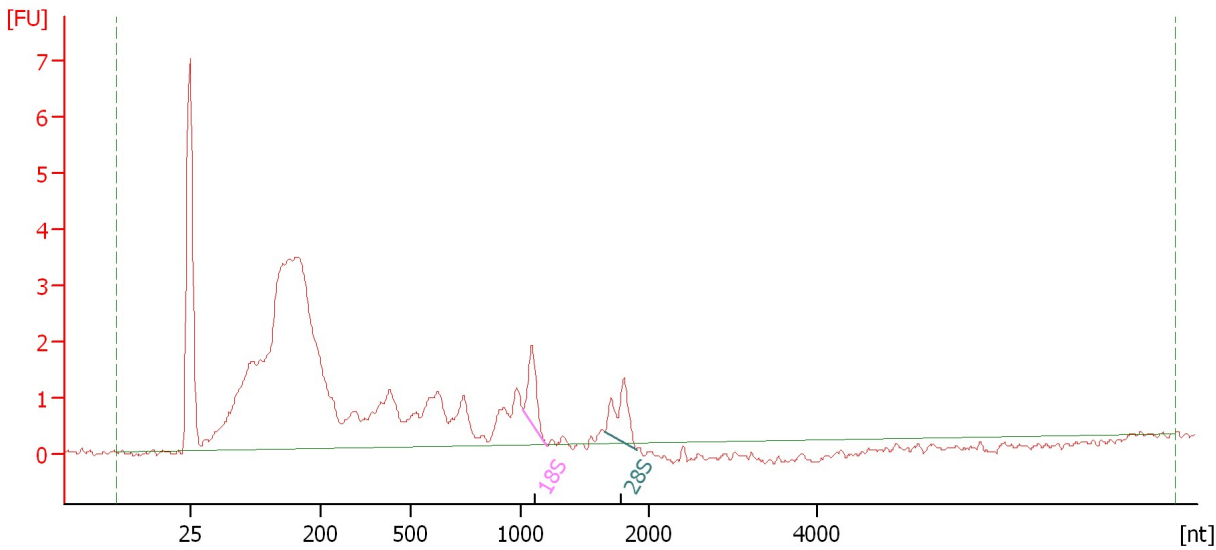
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,593	2,055	58.7	28.1

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Electropherogram Summary Continued ...

6. RI legs 2



Overall Results for sample 4 : 6. RI legs 2

RNA Area:	57.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	446 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN N/A

Fragment table for sample 4 : 6. RI legs 2

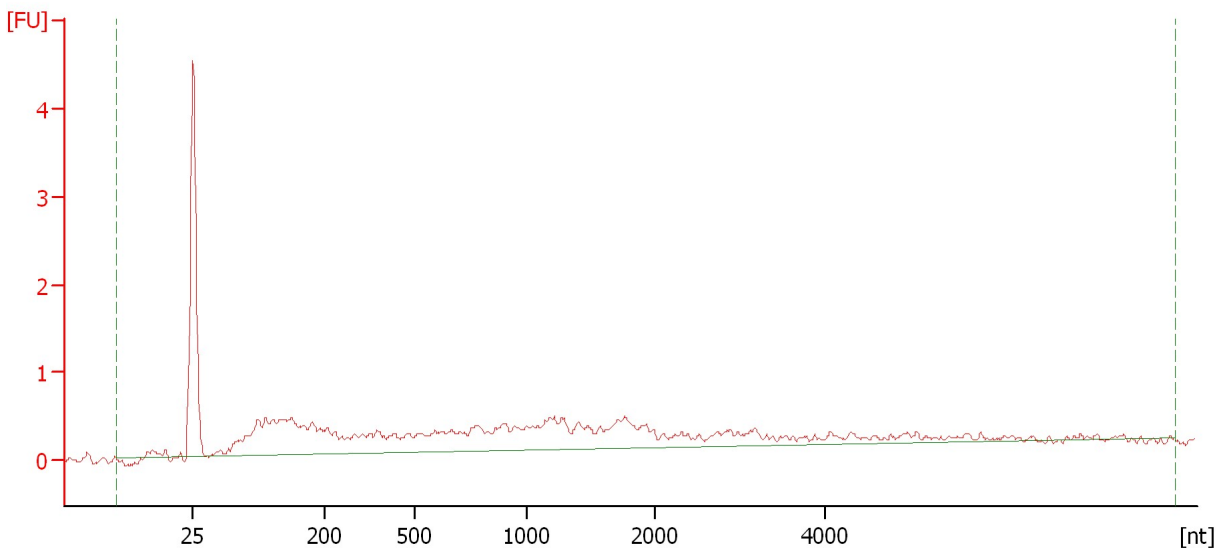
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,009	1,204	1.5	2.5
28S	1,661	1,906	1.8	3.1

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Electropherogram Summary Continued ...

9. TN legs 1



Overall Results for sample 5 : 9. TN legs 1

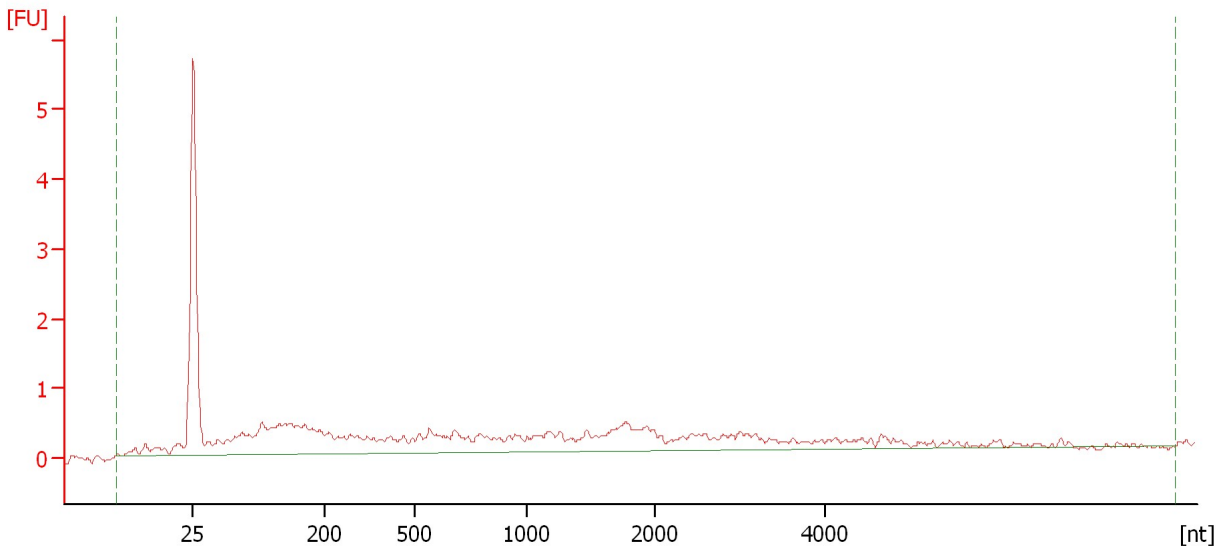
RNA Area:	18.8	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	145 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

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Modified: 11/7/2017 9:17:44 AM

Electropherogram Summary Continued ...

10. TN legs 2



Overall Results for sample 6 : 10. TN legs 2

RNA Area:	21.7	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	168 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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Gel Image

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Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.