

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2018-09-24\2018-09-24_001_HiSeq1511_RNAQC_14_31.xad

Created: 9/24/2018 11:17:18 AM
Modified: 9/24/2018 11:53:46 AM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

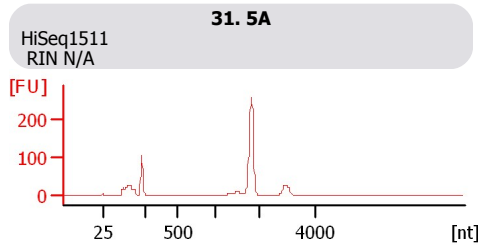
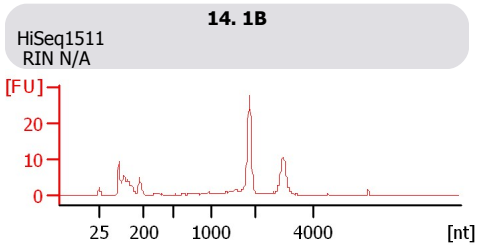
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
14. 1B	HiSeq1511	✓	RIN N/A	
31. 5A	HiSeq1511	✓	RIN N/A	
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

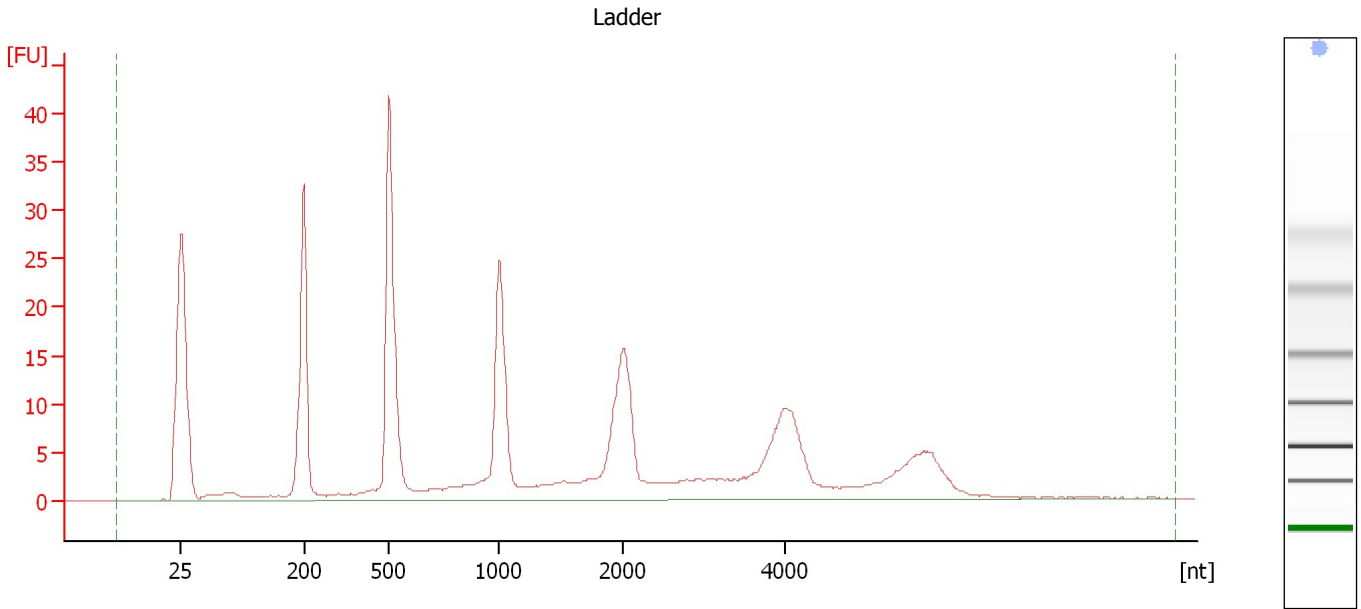
Ladder

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

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Electropherogram Summary



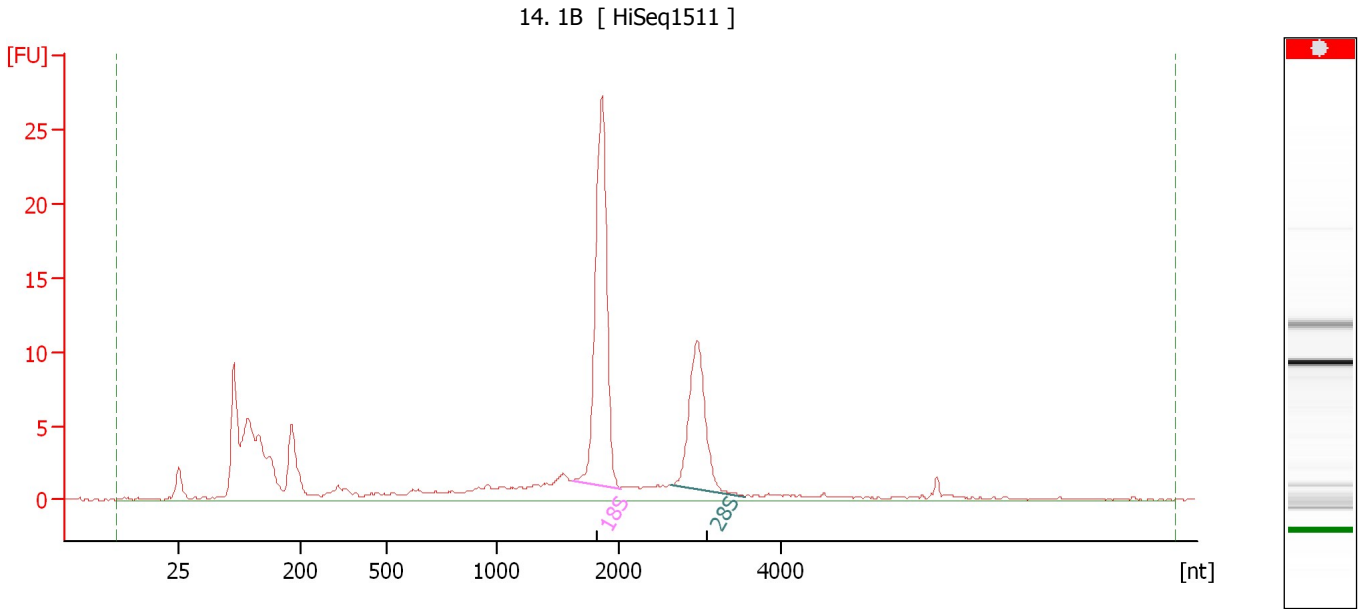
Overall Results for Ladder

RNA Area:	306.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



Overall Results for sample 10 : 14.1B

RNA Area:	152.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	496 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN N/A

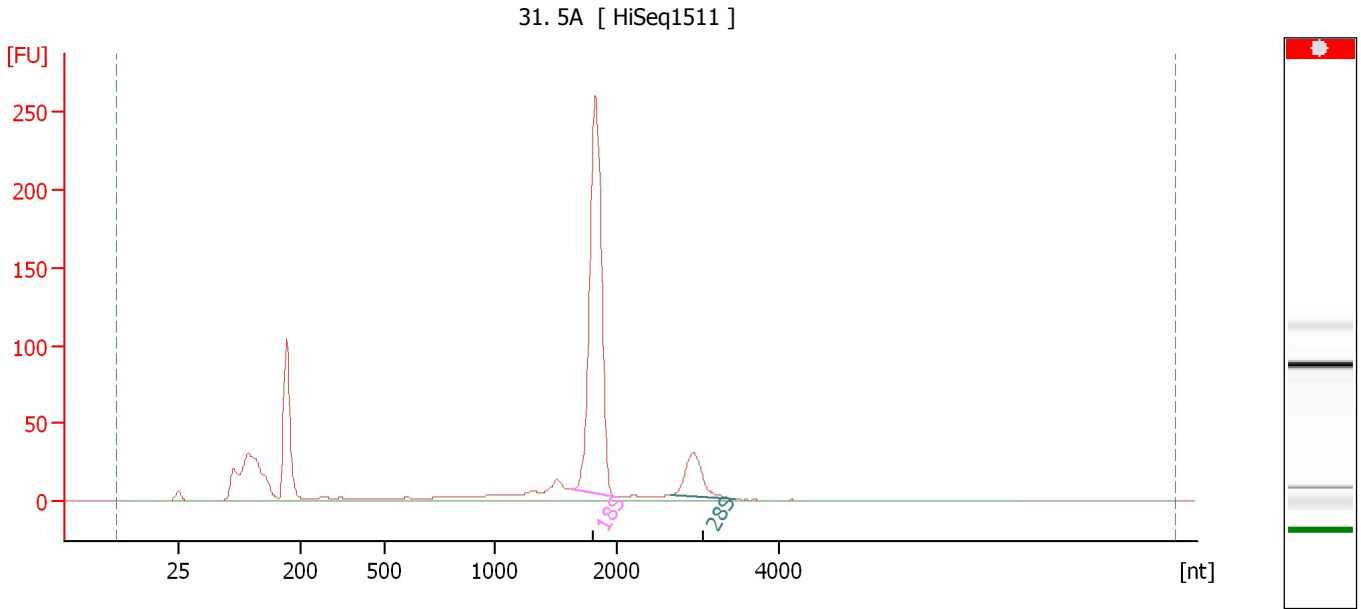
Fragment table for sample 10 : 14.1B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,617	2,011	38.4	25.2
28S	2,645	3,557	19.0	12.5

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Electropherogram Summary Continued ...



Overall Results for sample 11 : 31.5A

RNA Area:	919.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,999 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN N/A

Fragment table for sample 11 : 31.5A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	1,997	391.9	42.6
28S	2,659	3,467	57.9	6.3

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Gel Image