

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-08\2018-11-08_002.xad

Created: 11/8/2018 10:05:25 AM
Modified: 11/8/2018 10:27:28 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)

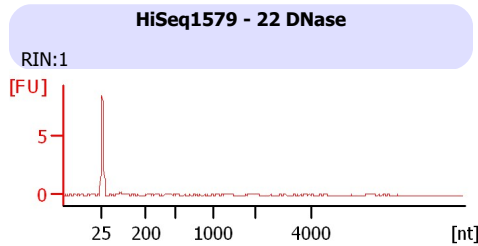
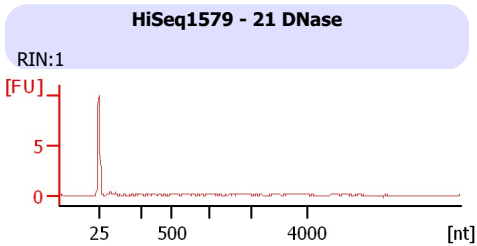
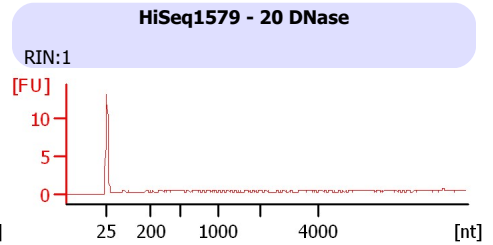
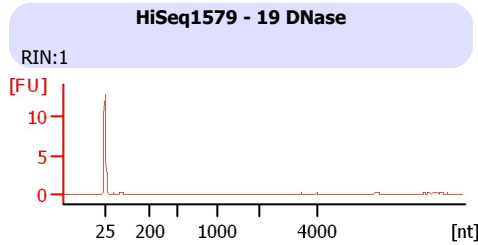
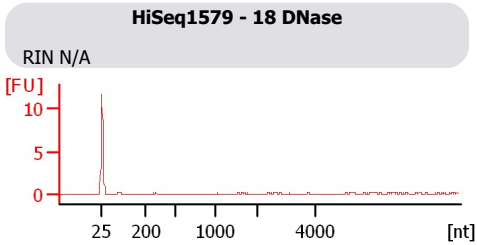
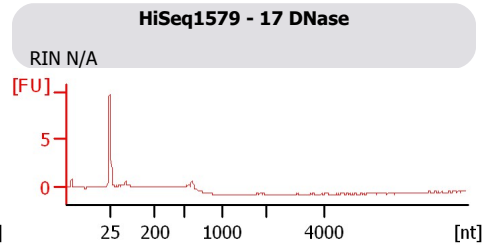
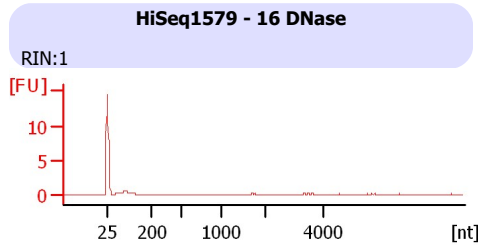
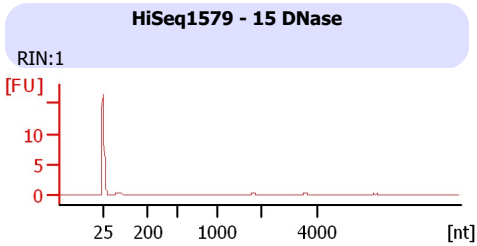
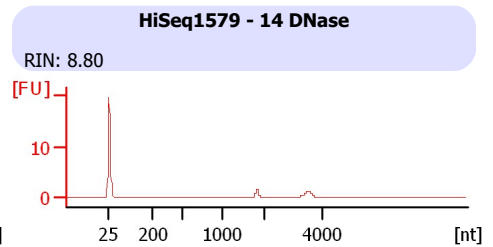
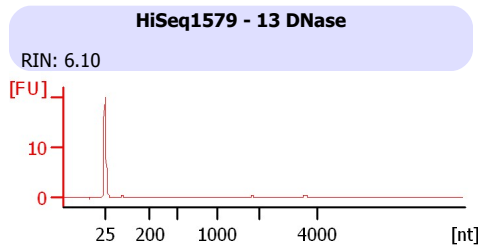
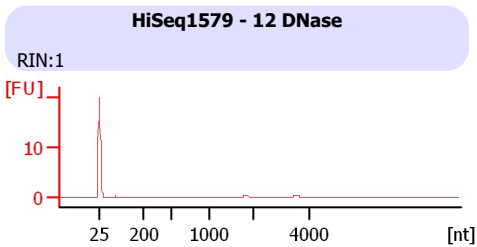
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Chip Information:

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
HiSeq1579 - 12 DNase		✓	RIN:1	
HiSeq1579 - 13 DNase		✓	RIN: 6.10	
HiSeq1579 - 14 DNase		✓	RIN: 8.80	
HiSeq1579 - 15 DNase		✓	RIN:1	
HiSeq1579 - 16 DNase		✓	RIN:1	
HiSeq1579 - 17 DNase		✓	RIN N/A	
HiSeq1579 - 18 DNase		✓	RIN N/A	
HiSeq1579 - 19 DNase		✓	RIN:1	
HiSeq1579 - 20 DNase		✓	RIN:1	
HiSeq1579 - 21 DNase		✓	RIN:1	
HiSeq1579 - 22 DNase		✓	RIN:1	
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

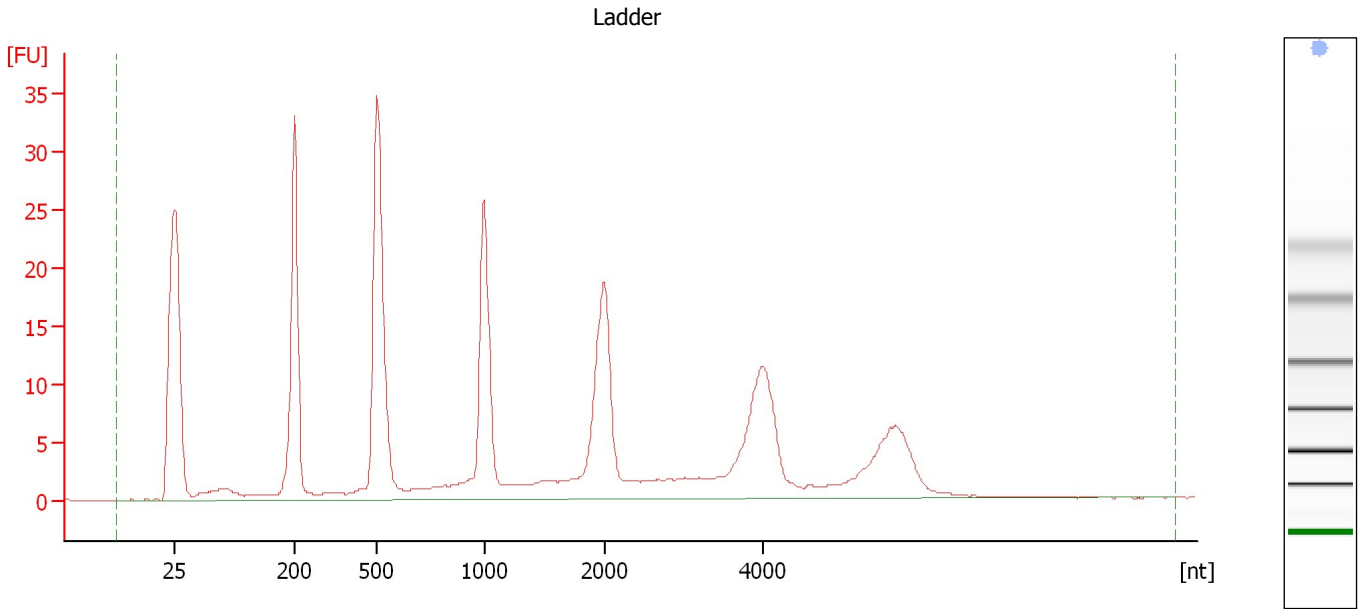
Ladder

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

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Electropherogram Summary



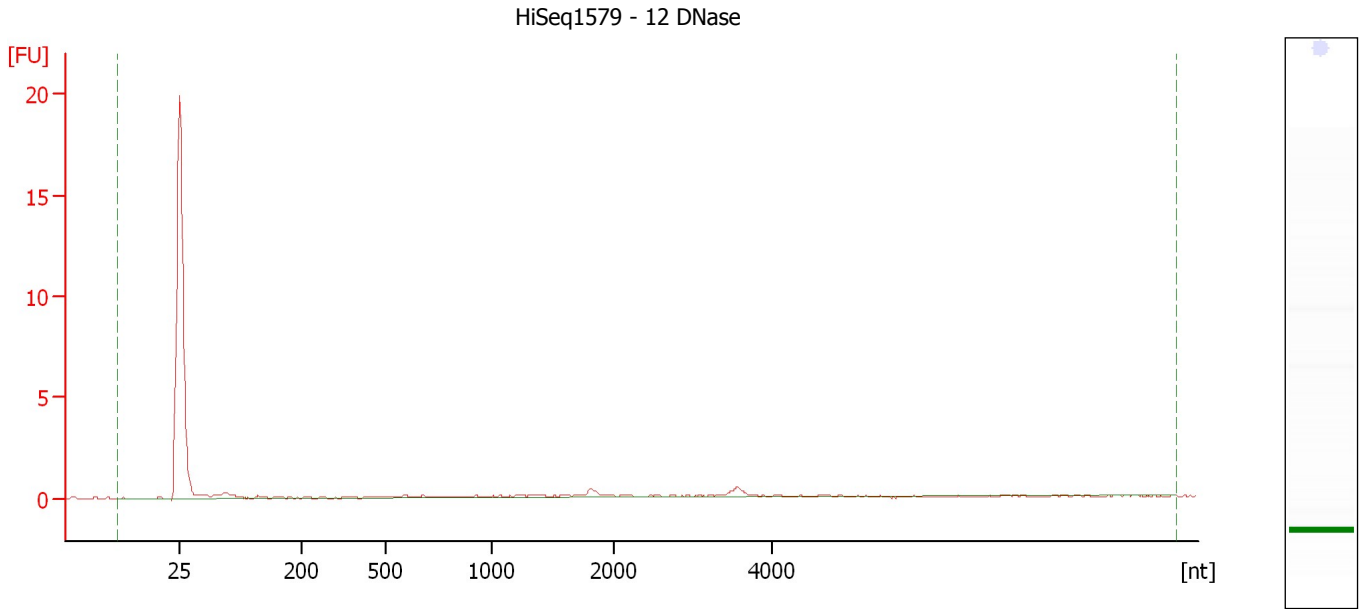
Overall Results for Ladder

RNA Area:	304.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



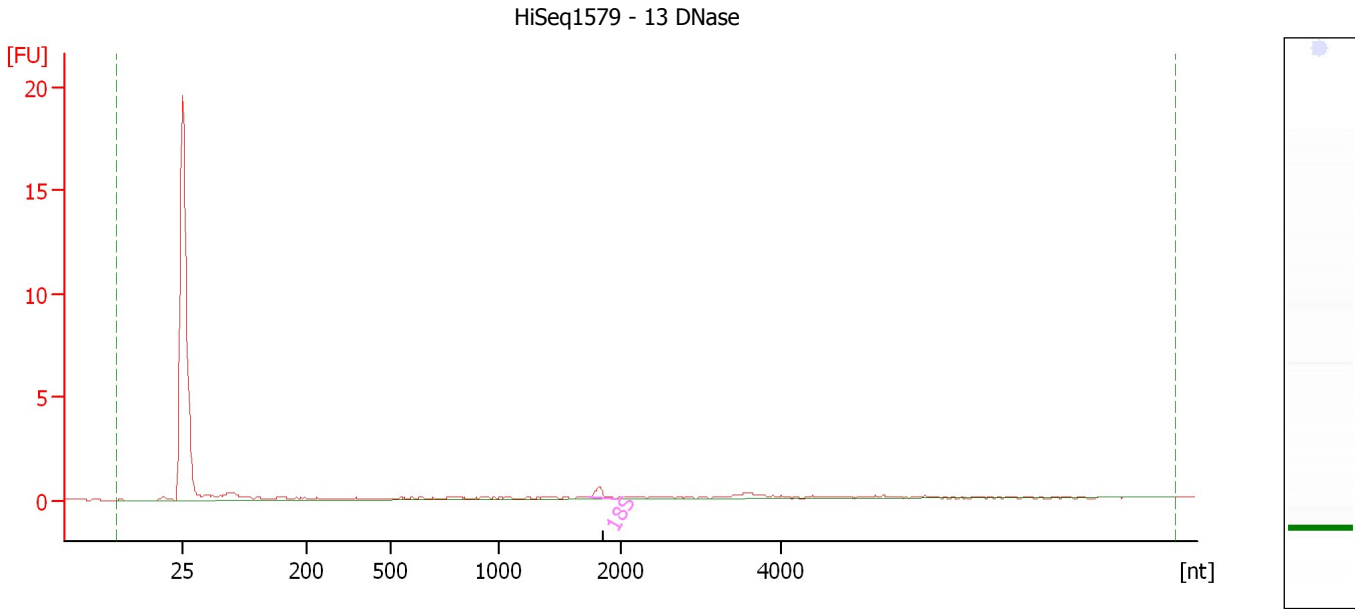
Overall Results for sample 1 : HiSeq1579 - 12 DNase

RNA Area:	5.8	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	19 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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Electropherogram Summary Continued ...



Overall Results for sample 2 : HiSeq1579 - 13 DNase

RNA Area:	7.3	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	24 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

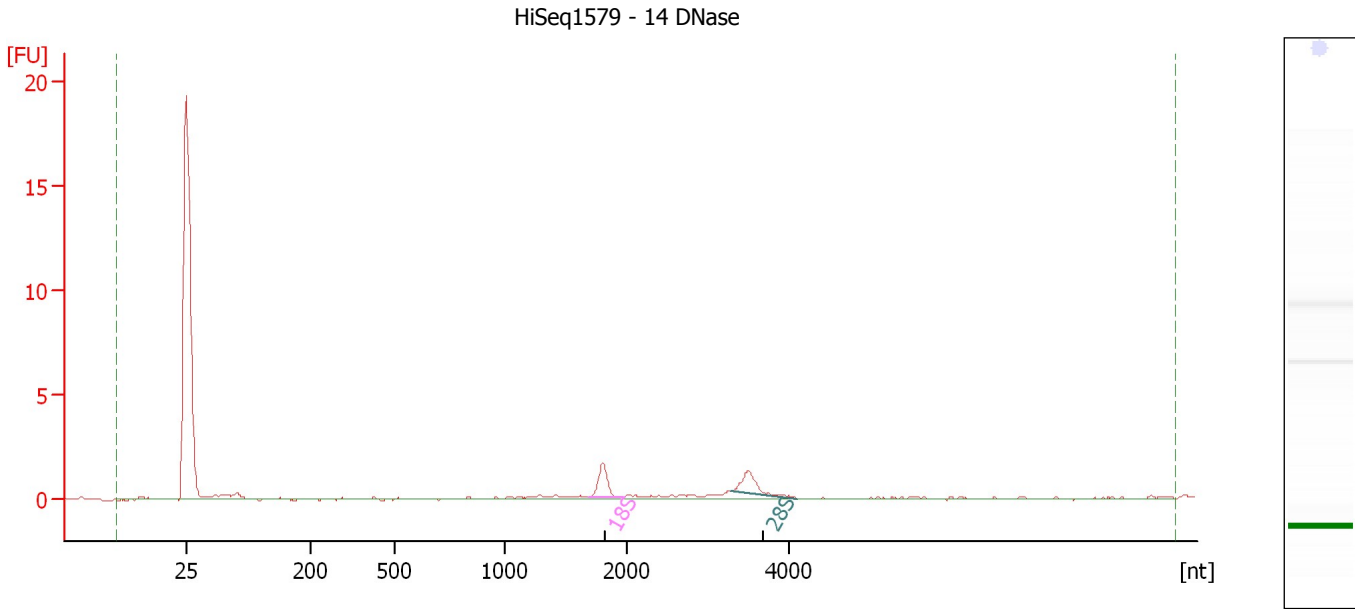
Fragment table for sample 2 : HiSeq1579 - 13 DNase

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,743	1,962	0.5	7.0

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Electropherogram Summary Continued ...



Overall Results for sample 3 : HiSeq1579 - 14 DNase

RNA Area:	11.3	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	37 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.80

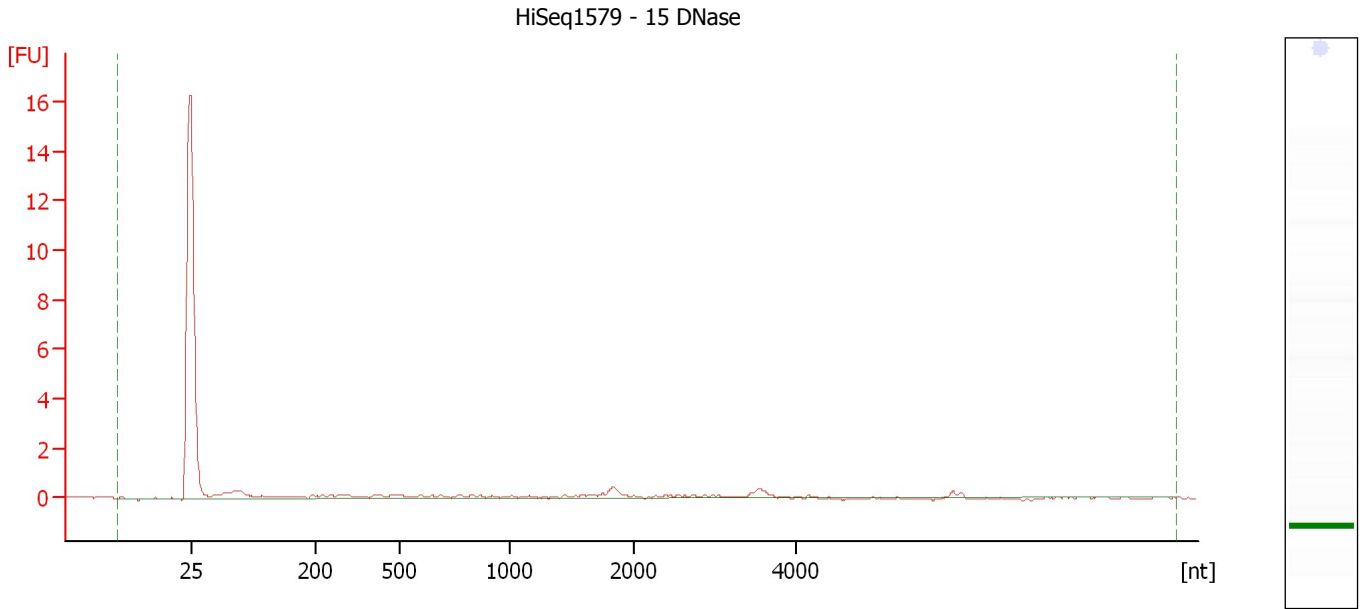
Fragment table for sample 3 : HiSeq1579 - 14 DNase

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,695	1,974	1.8	16.4
28S	3,292	4,110	1.8	16.1

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Electropherogram Summary Continued ...



Overall Results for sample 4 : HiSeq1579 - 15 DNase

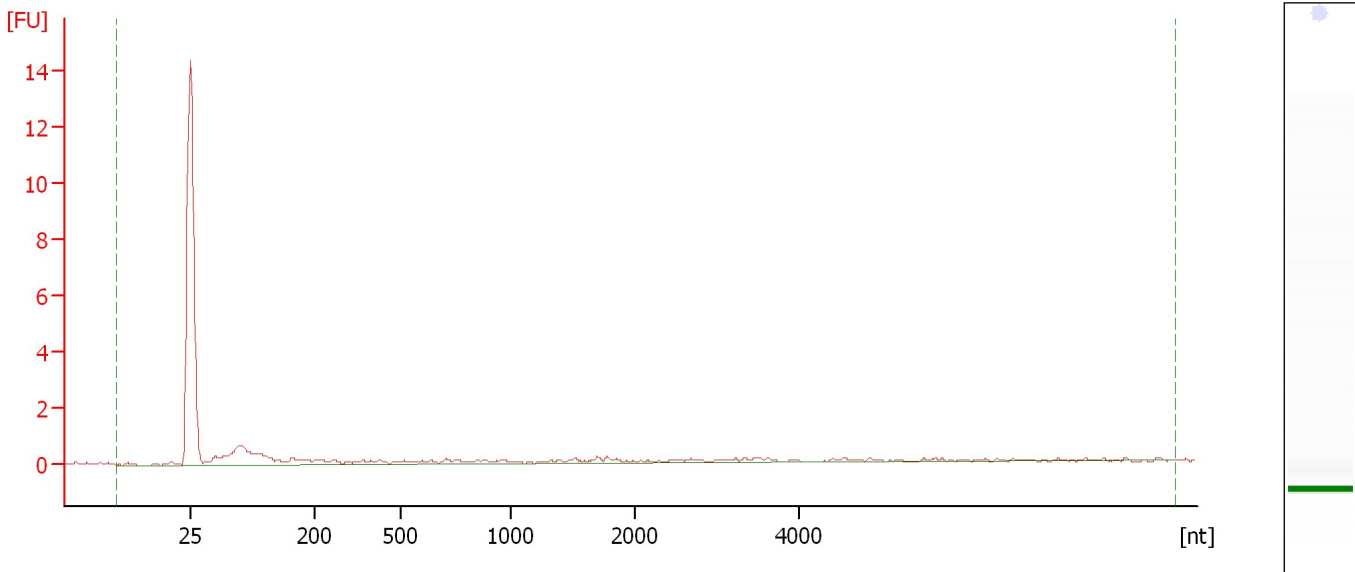
RNA Area:	6.9	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	23 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...

HiSeq1579 - 16 DNase



Overall Results for sample 5 : HiSeq1579 - 16 DNase

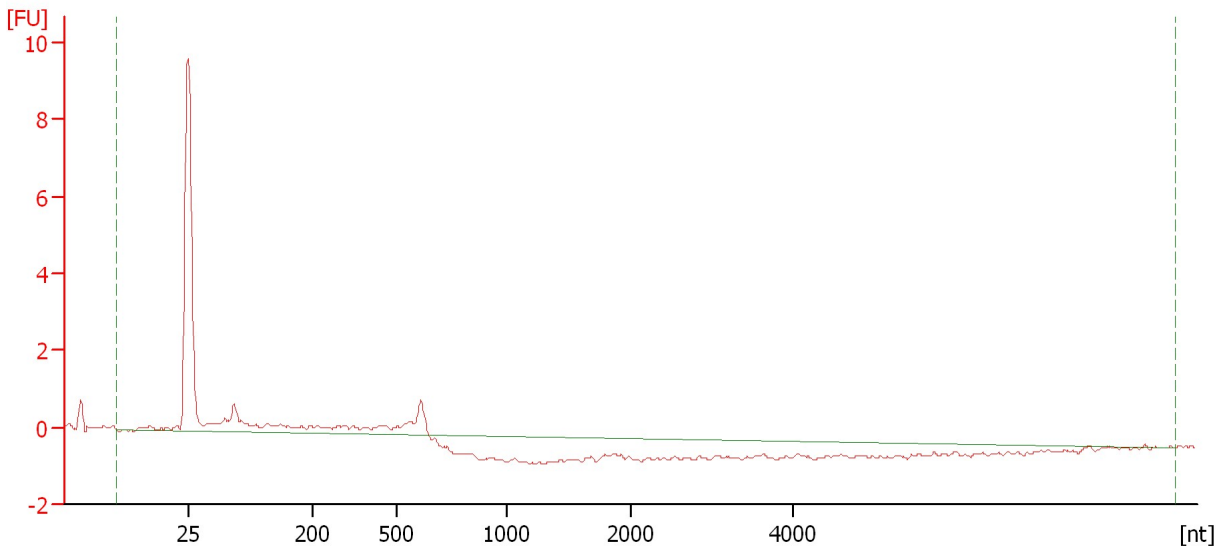
RNA Area:	11.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	36 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...

HiSeq1579 - 17 DNase



Overall Results for sample 6 : HiSeq1579 - 17 DNase

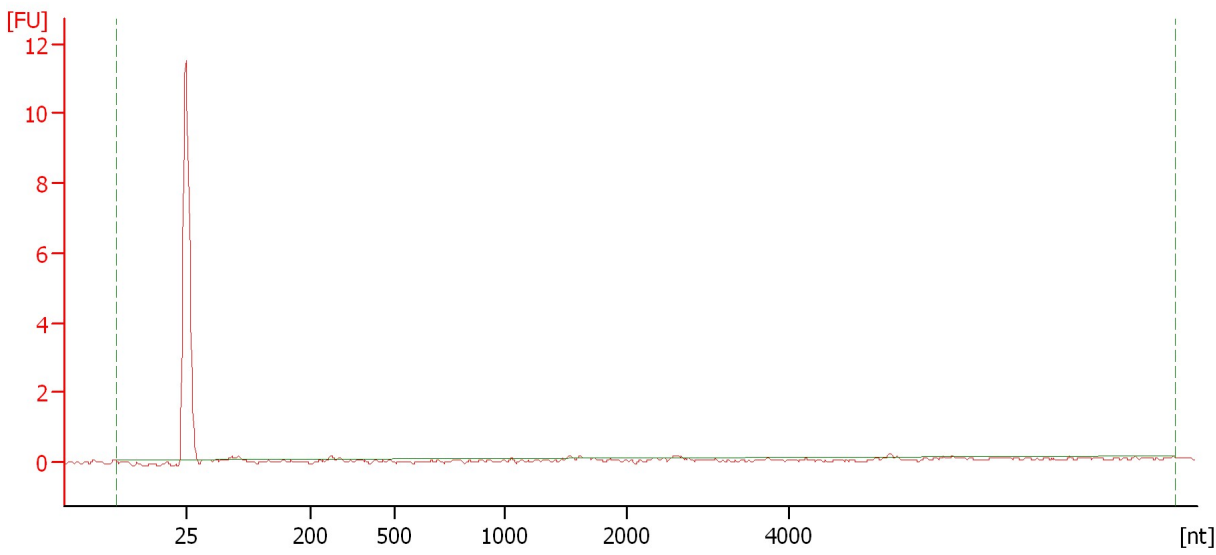
RNA Area:	7.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	26 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

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Electropherogram Summary Continued ...

HiSeq1579 - 18 DNase



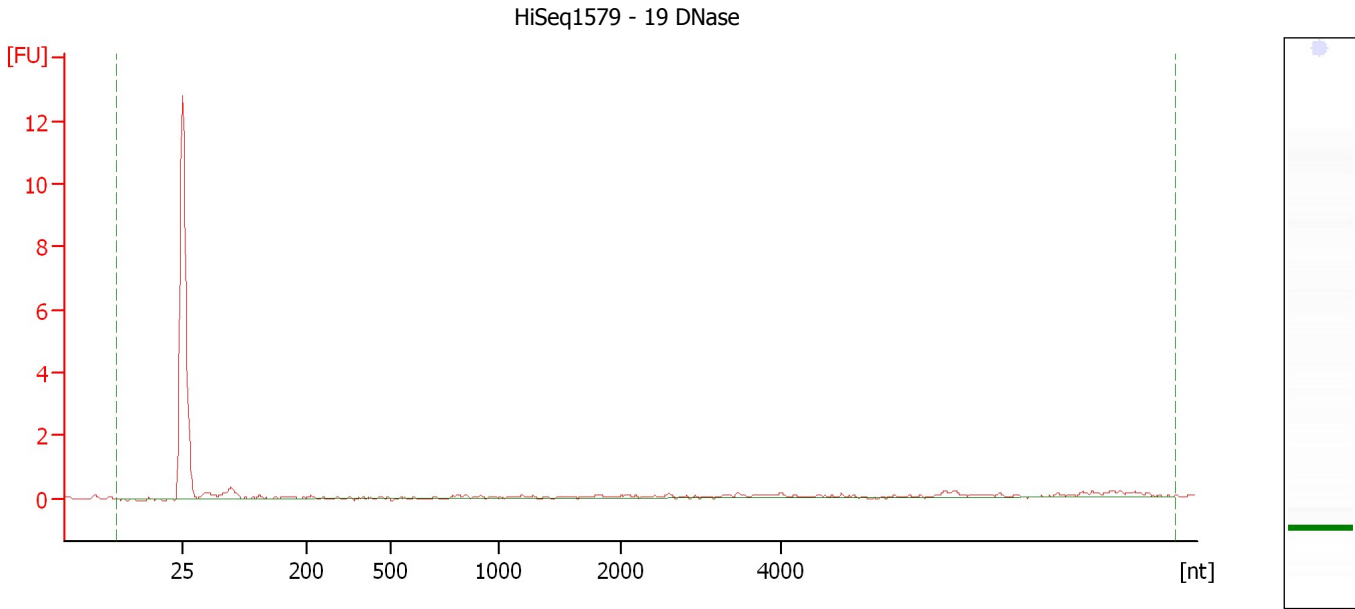
Overall Results for sample 7 : HiSeq1579 - 18 DNase

RNA Area:	0.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

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Electropherogram Summary Continued ...



Overall Results for sample 8 : HiSeq1579 - 19 DNase

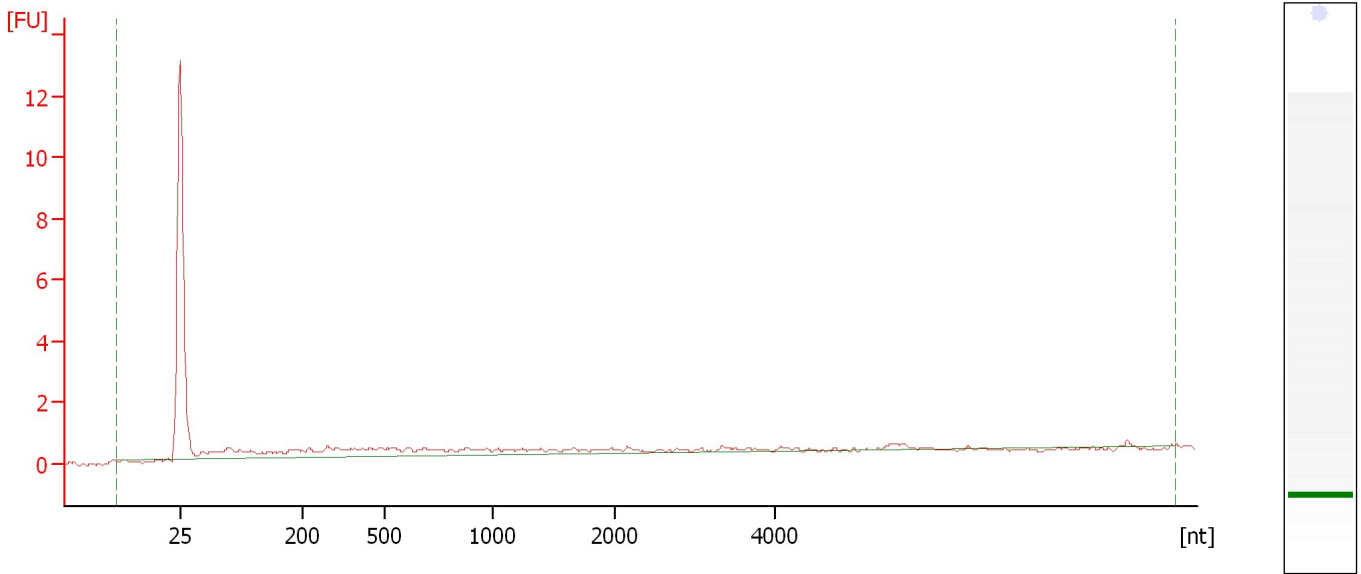
RNA Area:	3.5	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	11 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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Electropherogram Summary Continued ...

HiSeq1579 - 20 DNase



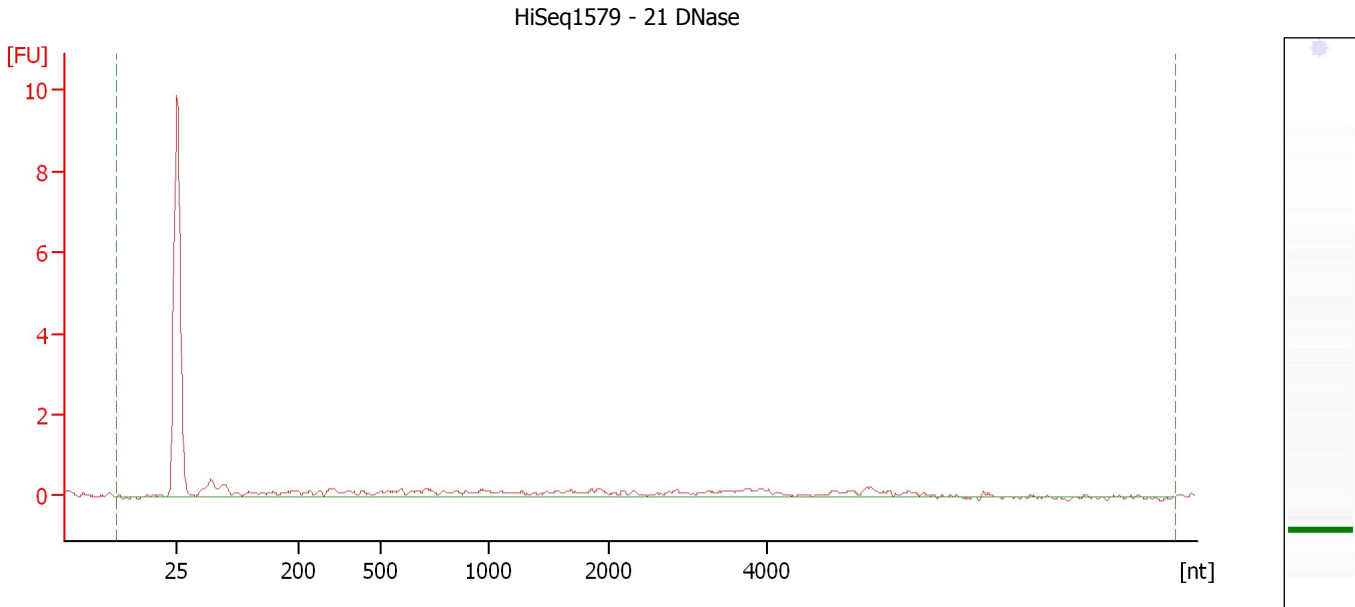
Overall Results for sample 9 : HiSeq1579 - 20 DNase

RNA Area:	15.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	49 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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Electropherogram Summary Continued ...



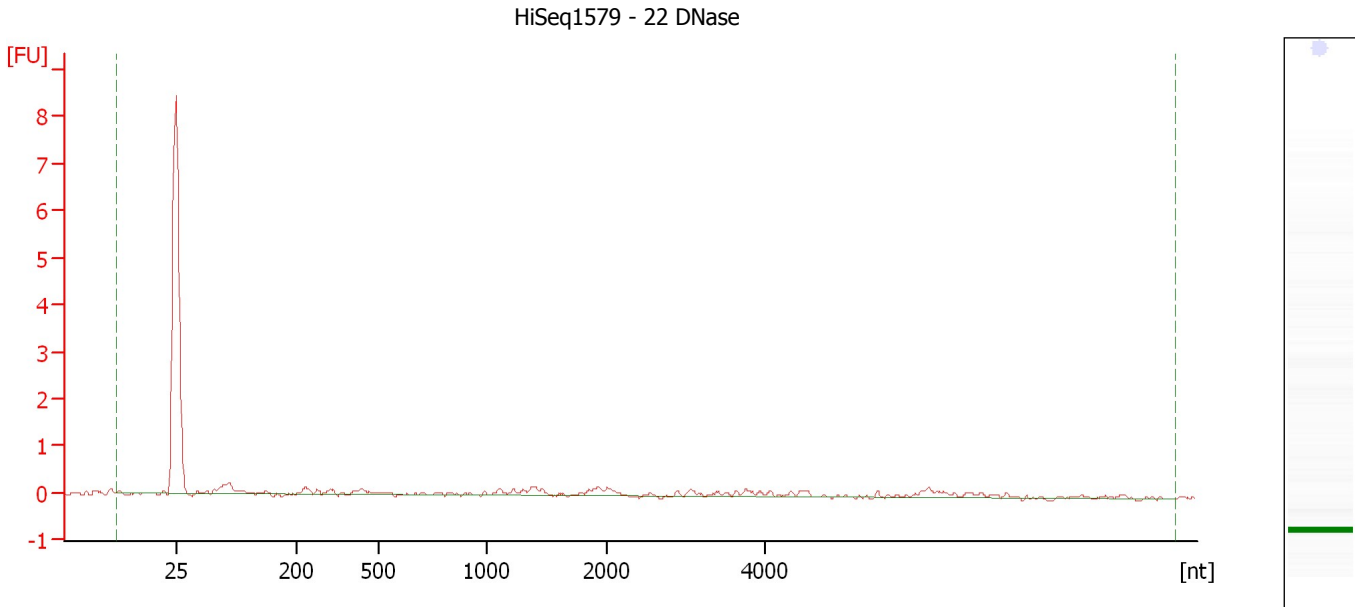
Overall Results for sample 10 : HiSeq1579 - 21 DNase

RNA Area:	12.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	40 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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Electropherogram Summary Continued ...



Overall Results for sample 11 : HiSeq1579 - 22 DNase

RNA Area:	5.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	17 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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