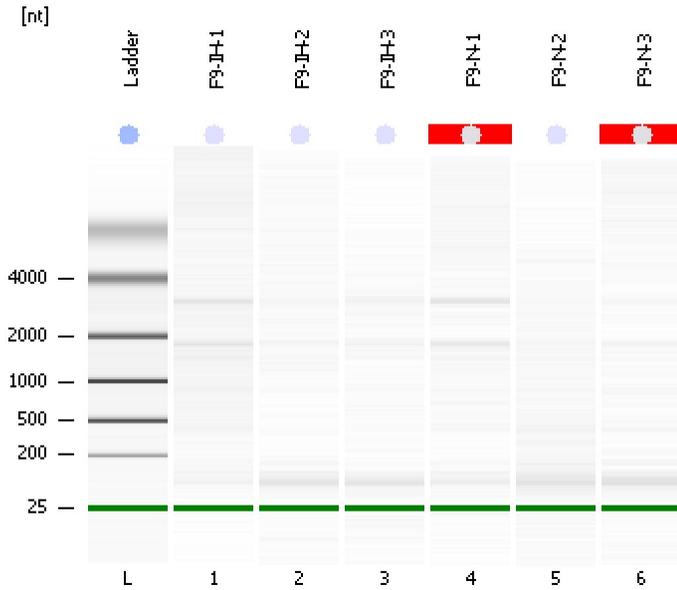


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:52:42 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

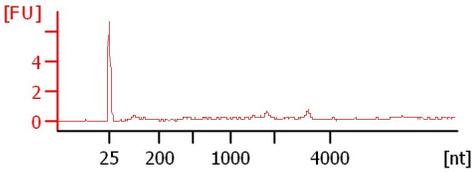
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

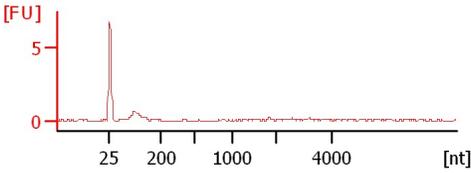
Chip Information:

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

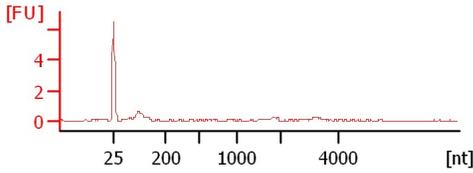
F9-IH-1
NextSeq_003
RIN: 7.10



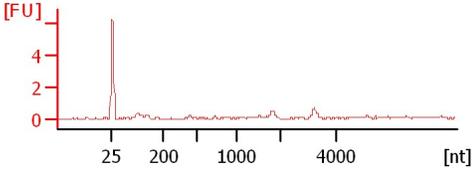
F9-IH-2
NextSeq_003
RIN: 1.10



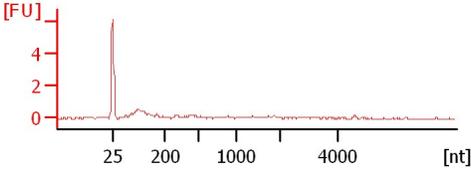
F9-IH-3
NextSeq_003
RIN: 1.10



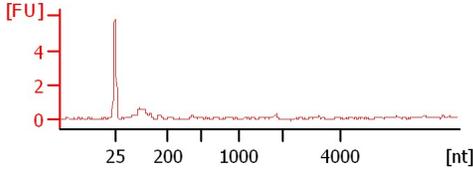
F9-N-1
NextSeq_003
RIN N/A



F9-N-2
NextSeq_003
RIN: 1.10



F9-N-3
NextSeq_003
RIN N/A



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
 Modified: 7/13/2016 11:52:42 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
F9-IH-1	NextSeq_003	✓	RIN: 7.10	
F9-IH-2	NextSeq_003	✓	RIN: 1.10	
F9-IH-3	NextSeq_003	✓	RIN: 1.10	
F9-N-1	NextSeq_003	✓	RIN N/A	
F9-N-2	NextSeq_003	✓	RIN: 1.10	
F9-N-3	NextSeq_003	✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:52:42 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] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

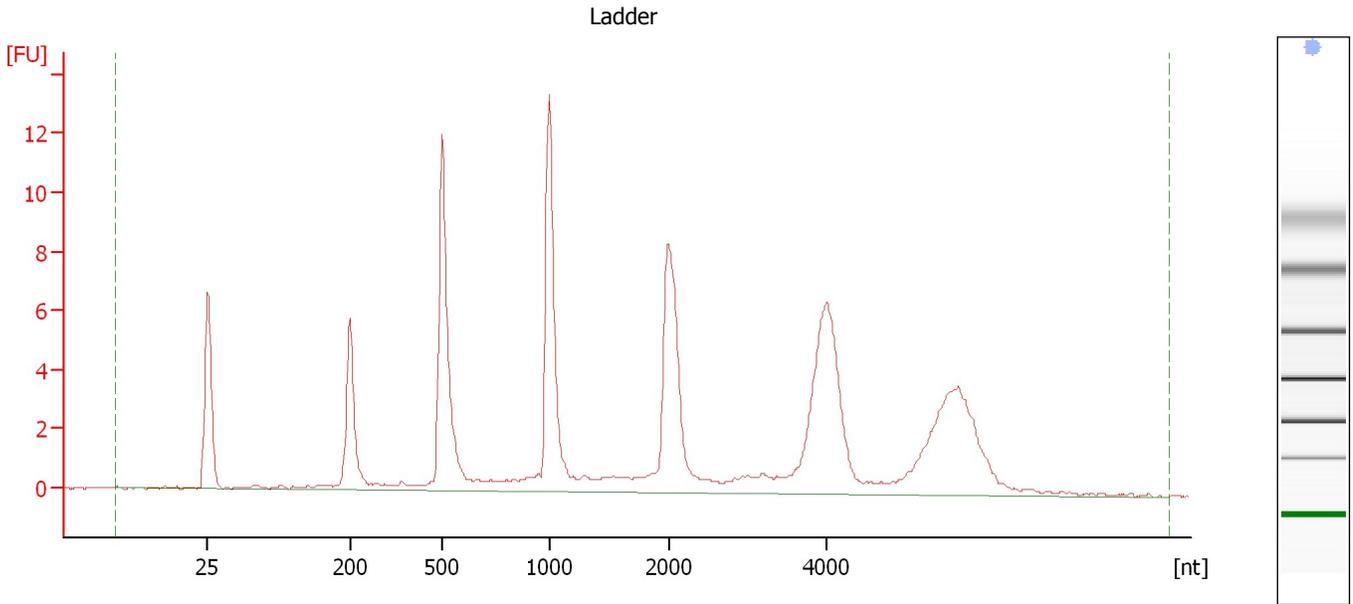
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:52:42 AM

Electropherogram Summary



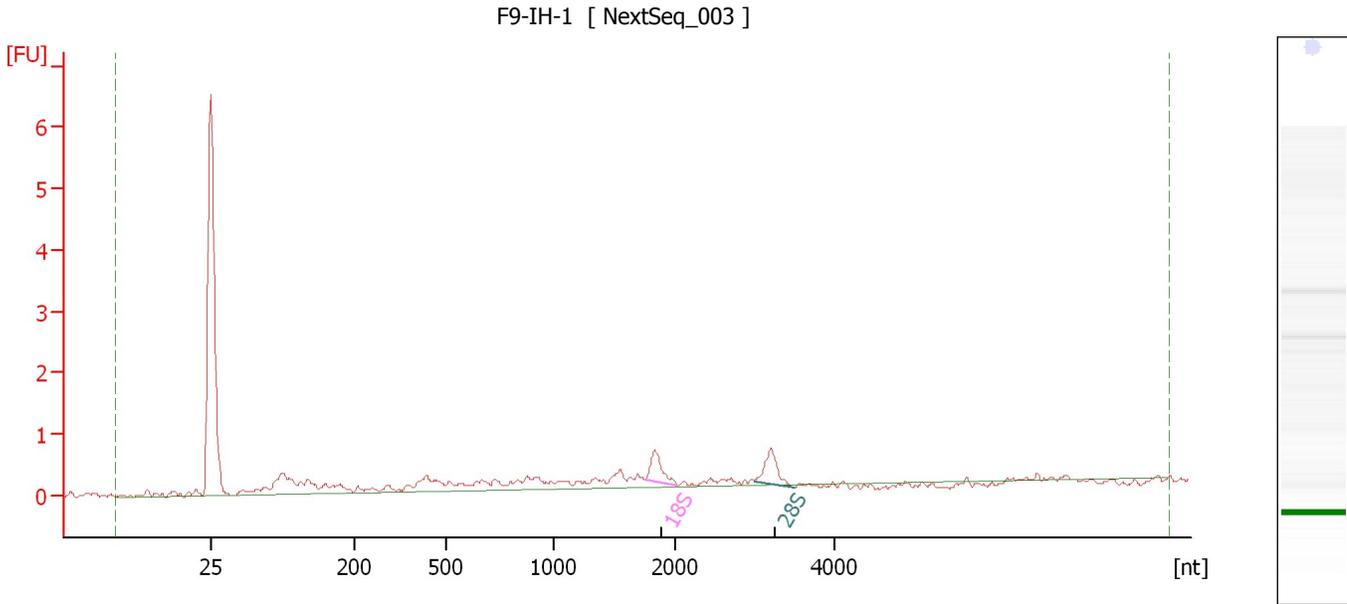
Overall Results for Ladder

RNA Area:	109.4	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
 Modified: 7/13/2016 11:52:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : F9-IH-1

RNA Area:	9.7	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	13 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.10

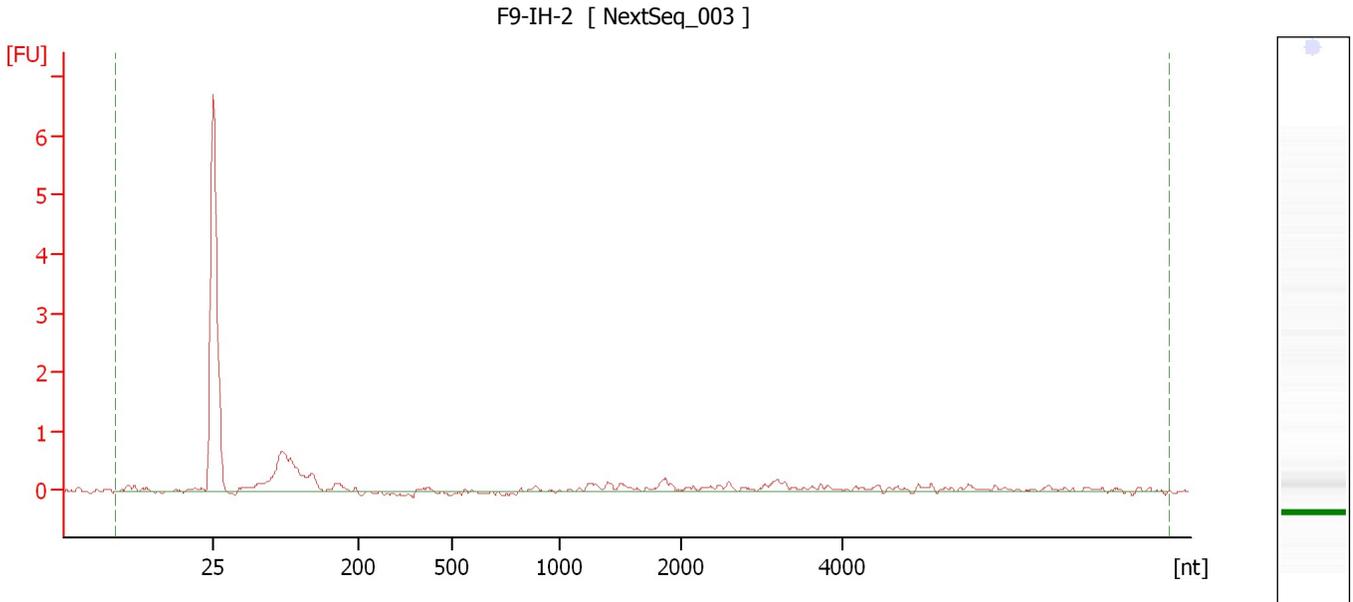
Fragment table for sample 1 : F9-IH-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,747	2,030	0.7	7.6
28S	2,990	3,497	0.8	7.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:52:42 AM

Electropherogram Summary Continued ...



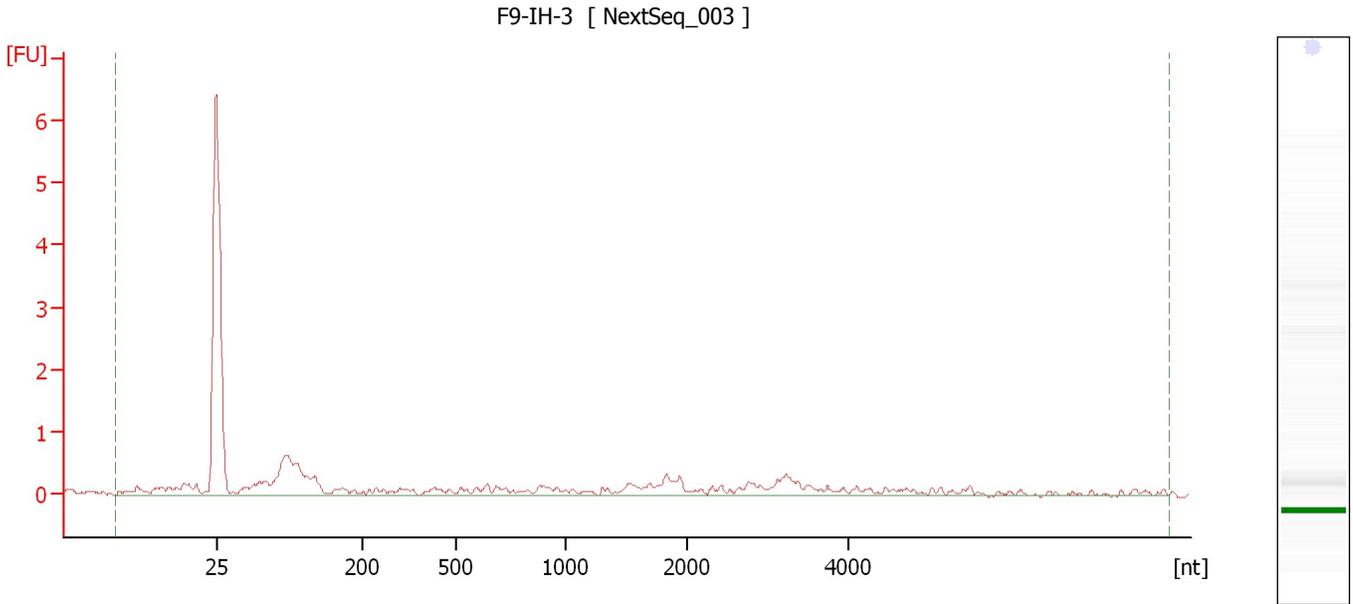
Overall Results for sample 2 : F9-IH-2

RNA Area:	7.7	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	10 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:52:42 AM

Electropherogram Summary Continued ...



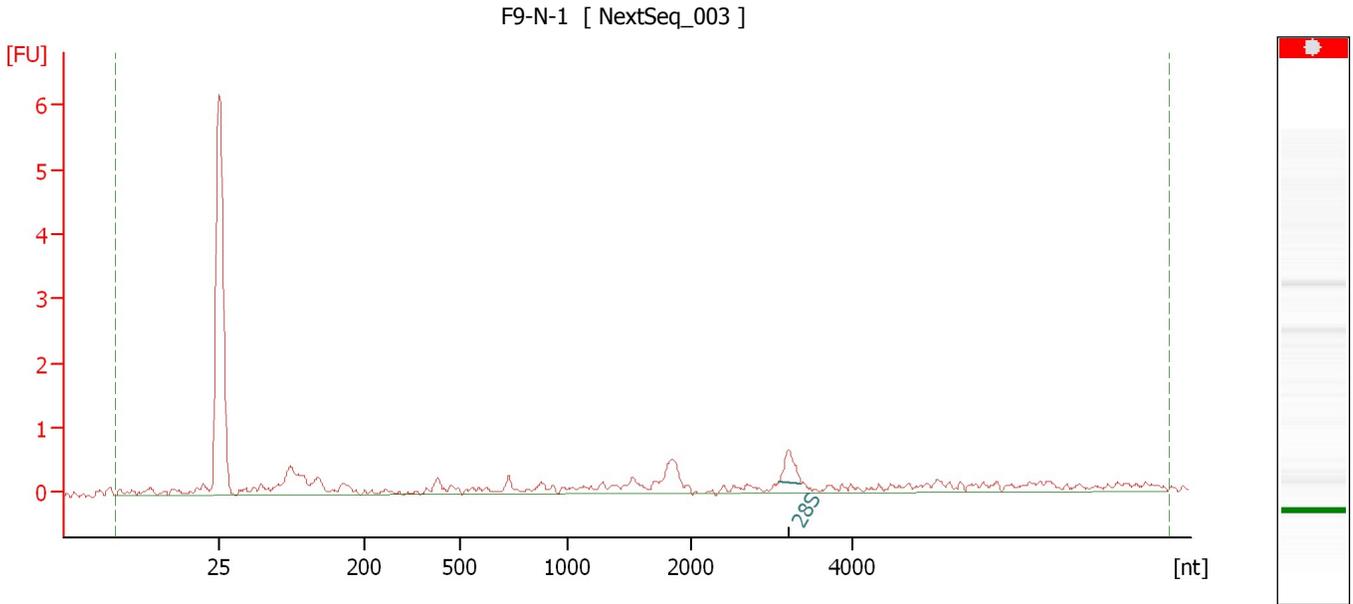
Overall Results for sample 3 : F9-IH-3

RNA Area:	13.5	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	19 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:52:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : F9-N-1

RNA Area:	11.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	16 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

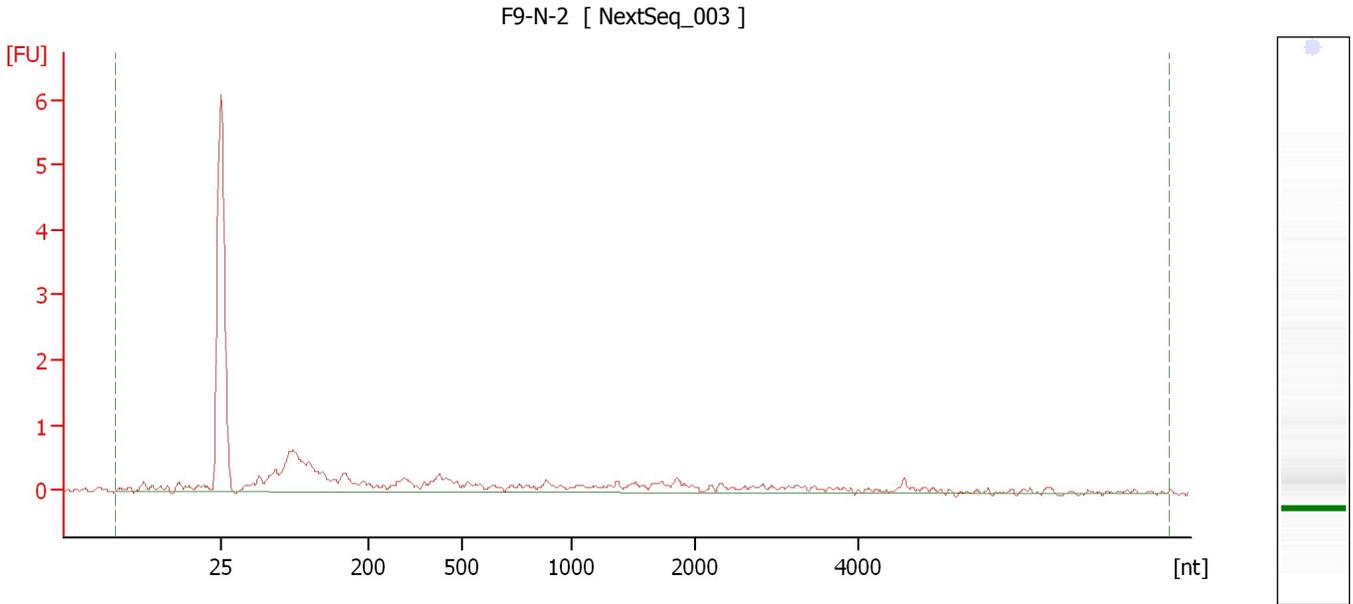
Fragment table for sample 4 : F9-N-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	3,088	3,350	0.5	4.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:52:42 AM

Electropherogram Summary Continued ...



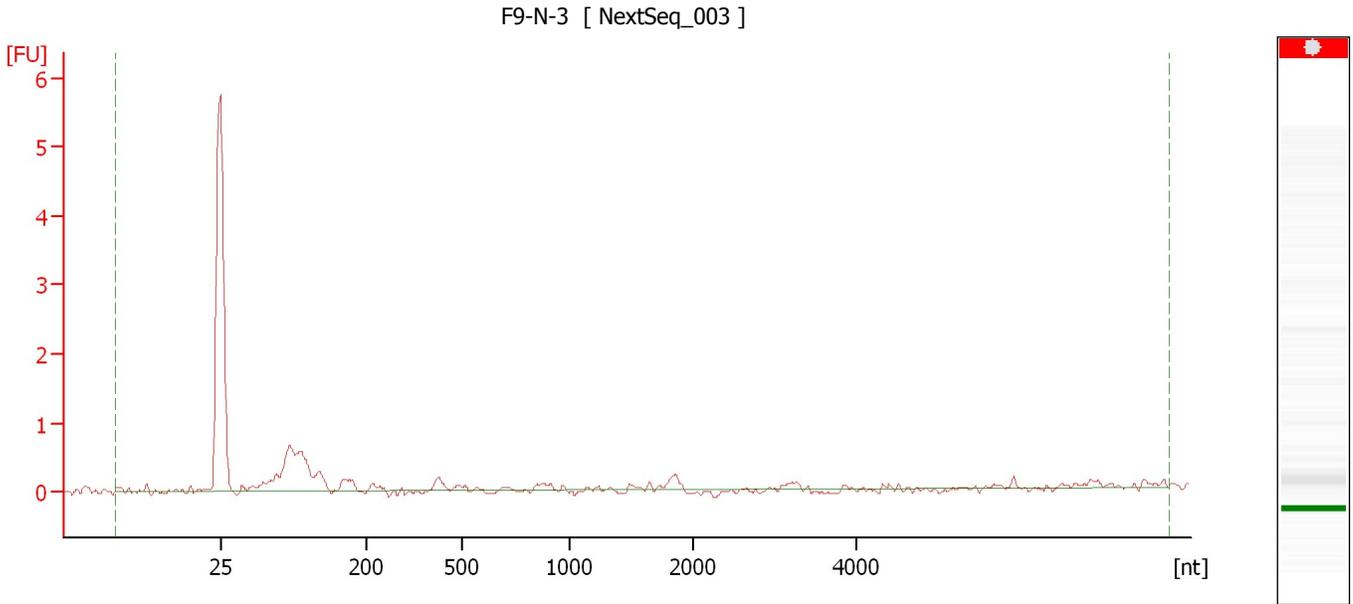
Overall Results for sample 5 : F9-N-2

RNA Area:	13.8	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	19 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:52:42 AM

Electropherogram Summary Continued ...



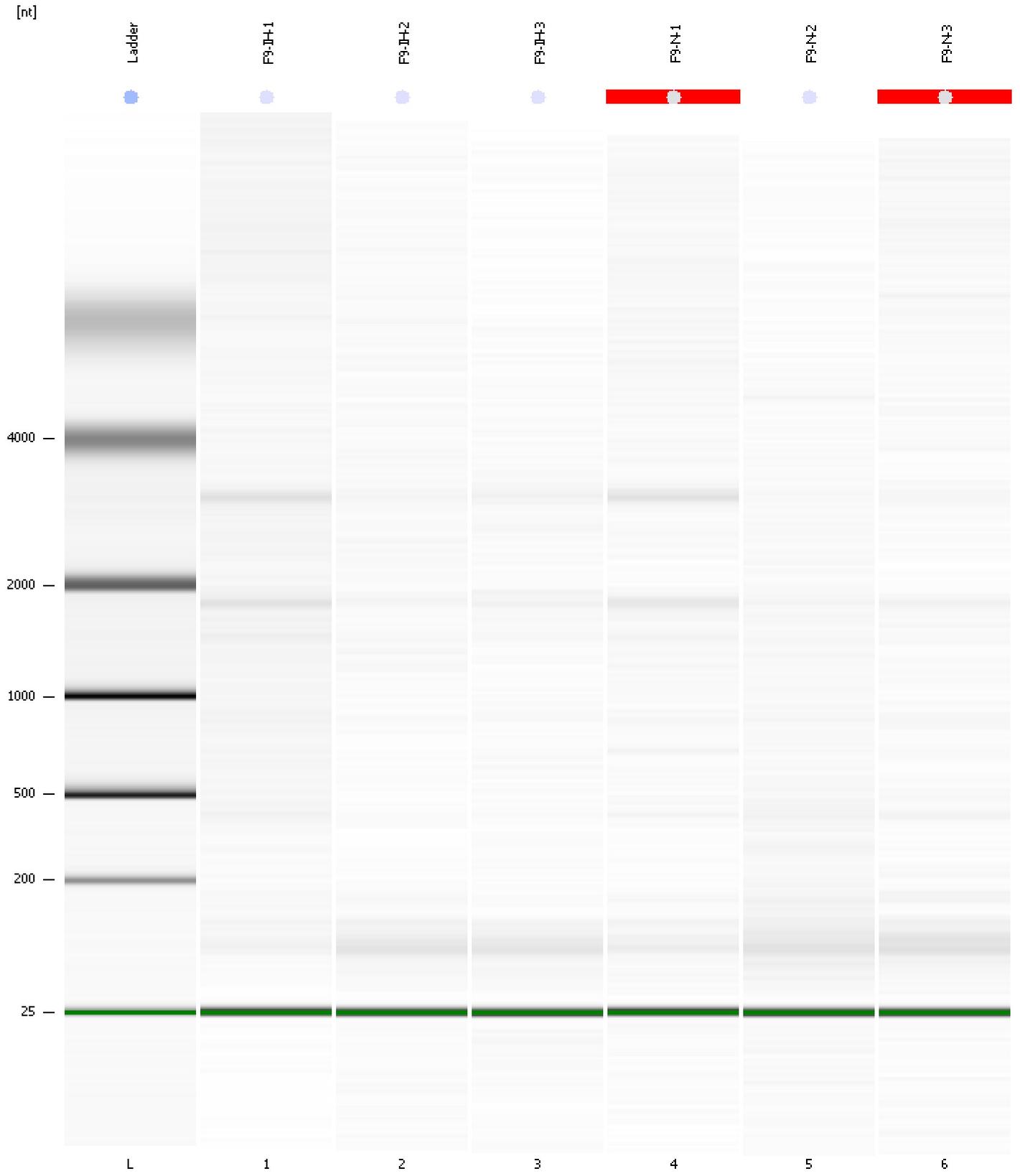
Overall Results for sample 6 : F9-N-3

RNA Area:	6.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
Modified: 7/13/2016 11:52:42 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...rt\data\2016-07-13\2016-07-13_002_NextSeq003_RNAQC_6-11.xad

Created: 7/13/2016 11:28:09 AM
 Modified: 7/13/2016 11:52:42 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		7/13/2016 11:51:57 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-07-13\2016-07-13_002.xad)		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/13/2016 11:28:15 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1