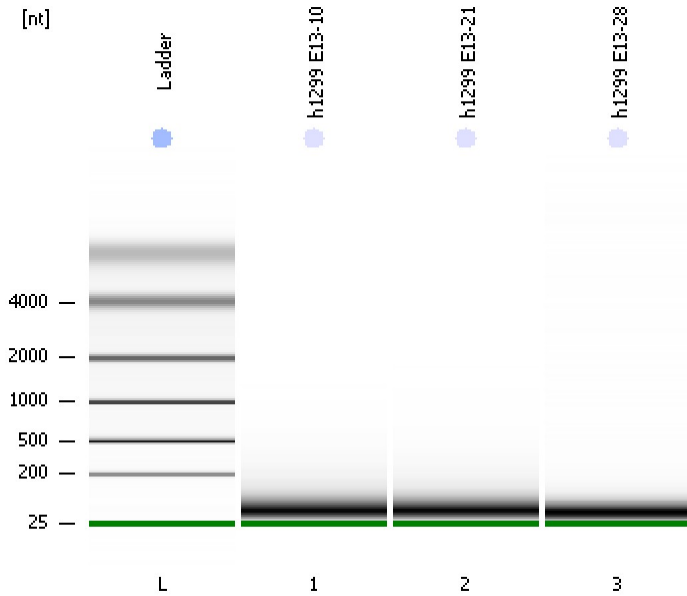


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...15-09-22\2015-09-22_003_HiSeq251_TotRNAQC_resubmission1.xad

Created: 9/22/2015 1:25:48 PM
Modified: 9/22/2015 1:39:36 PM

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)

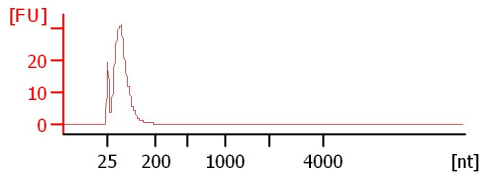
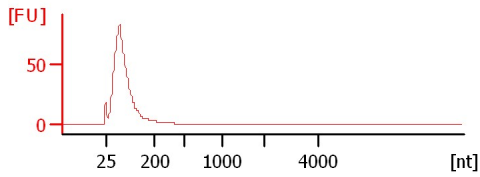
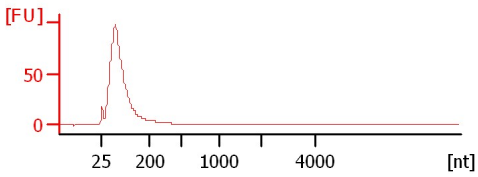
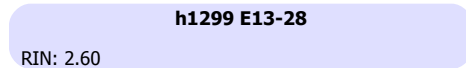
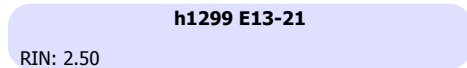
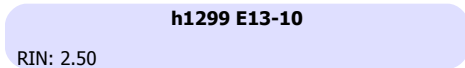
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...15-09-22\2015-09-22_003_HiSeq251_TotRNAQC_resubmission1.xad

Created: 9/22/2015 1:25:48 PM
 Modified: 9/22/2015 1:39:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
h1299 E13-10		✓	RIN: 2.50	
h1299 E13-21		✓	RIN: 2.50	
h1299 E13-28		✓	RIN: 2.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...15-09-22\2015-09-22_003_HiSeq251_TotRNAQC_resubmission1.xad

Created: 9/22/2015 1:25:48 PM
Modified: 9/22/2015 1:39:36 PM

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

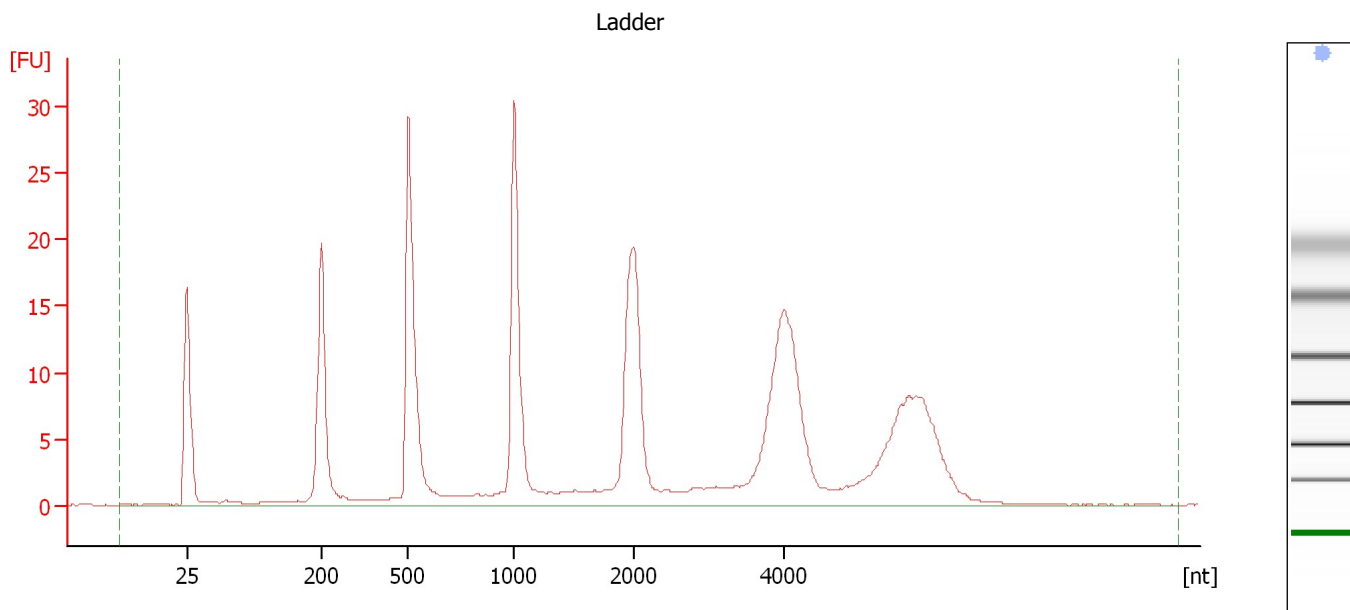
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...15-09-22\2015-09-22_003_HiSeq251_TotRNAQC_resubmission1.xad

Created: 9/22/2015 1:25:48 PM
Modified: 9/22/2015 1:39:36 PM

Electropherogram Summary



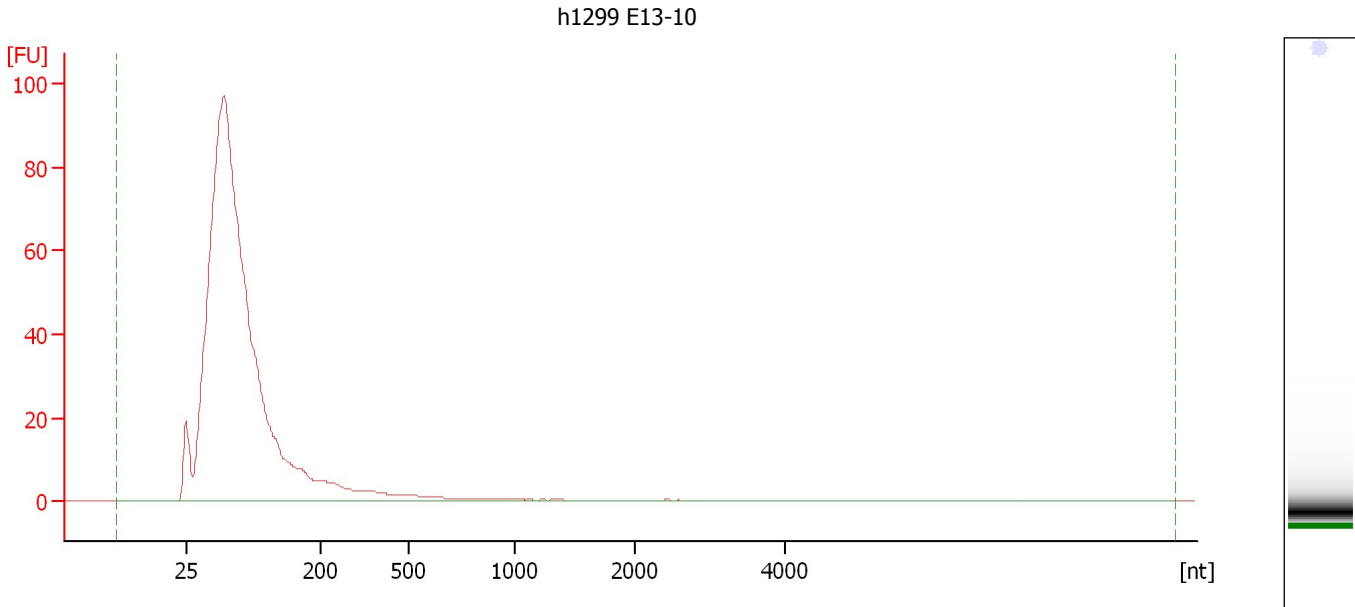
Overall Results for Ladder

RNA Area:	274.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...15-09-22\2015-09-22_003_HiSeq251_TotRNAQC_resubmission1.xad

Created: 9/22/2015 1:25:48 PM
Modified: 9/22/2015 1:39:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : h1299 E13-10

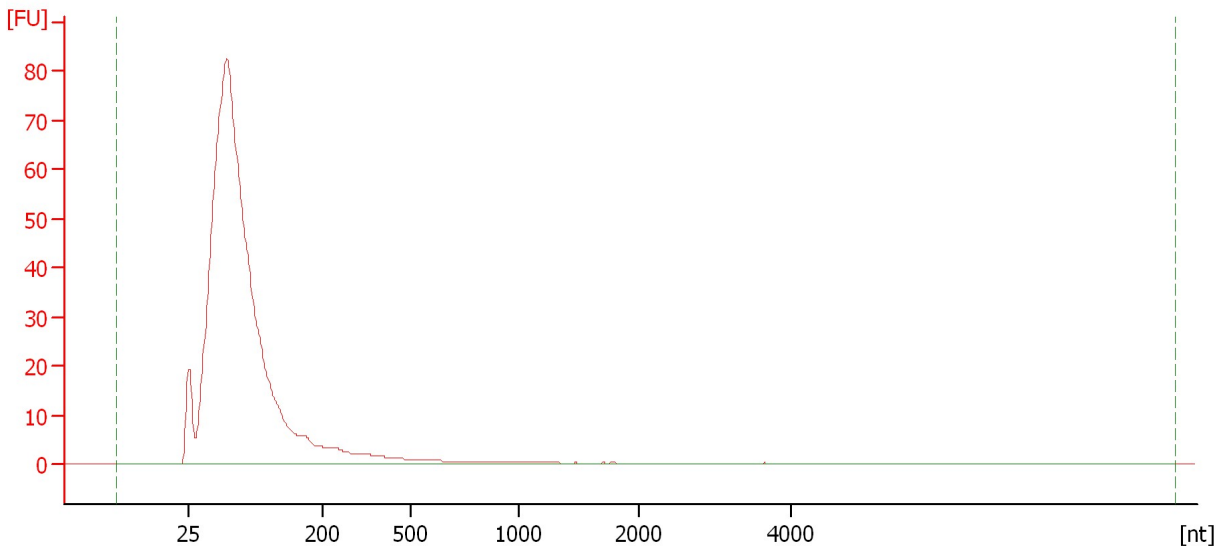
RNA Area:	888.7	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	485 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...15-09-22\2015-09-22_003_HiSeq251_TotRNAQC_resubmission1.xad

Created: 9/22/2015 1:25:48 PM
Modified: 9/22/2015 1:39:36 PM

Electropherogram Summary Continued ...

h1299 E13-21



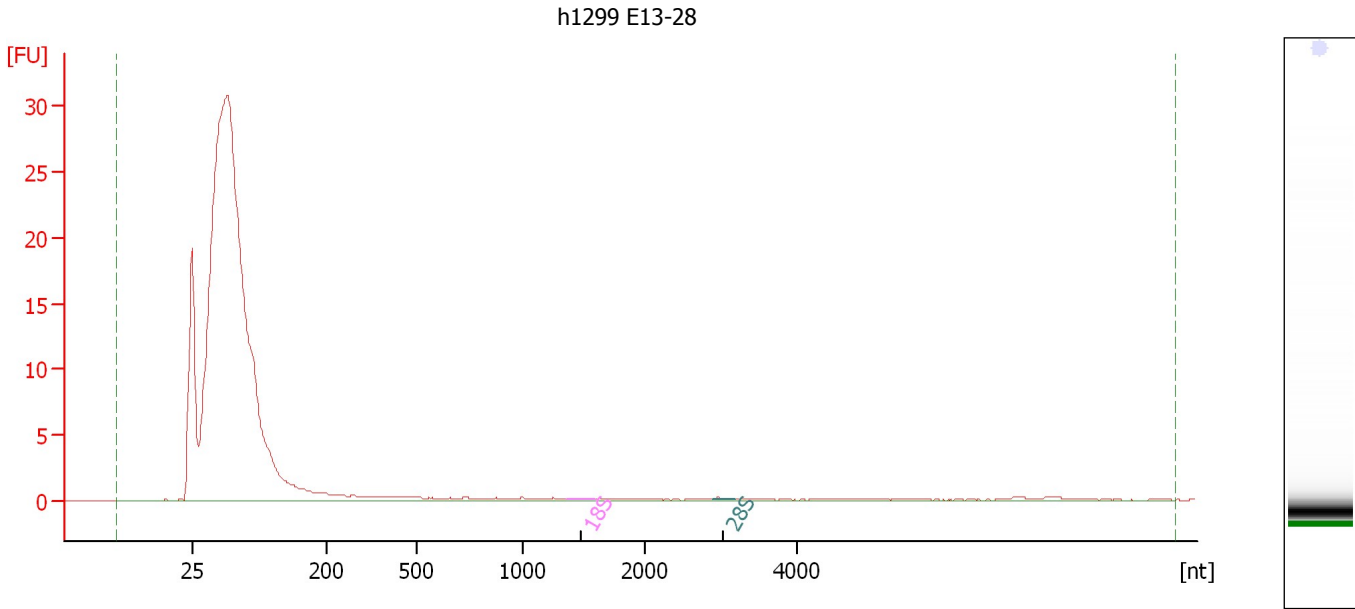
Overall Results for sample 2 : h1299 E13-21

RNA Area:	736.7	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	402 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...15-09-22\2015-09-22_003_HiSeq251_TotRNAQC_resubmission1.xad

Created: 9/22/2015 1:25:48 PM
 Modified: 9/22/2015 1:39:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : h1299 E13-28

RNA Area:	248.1	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	136 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 2.60

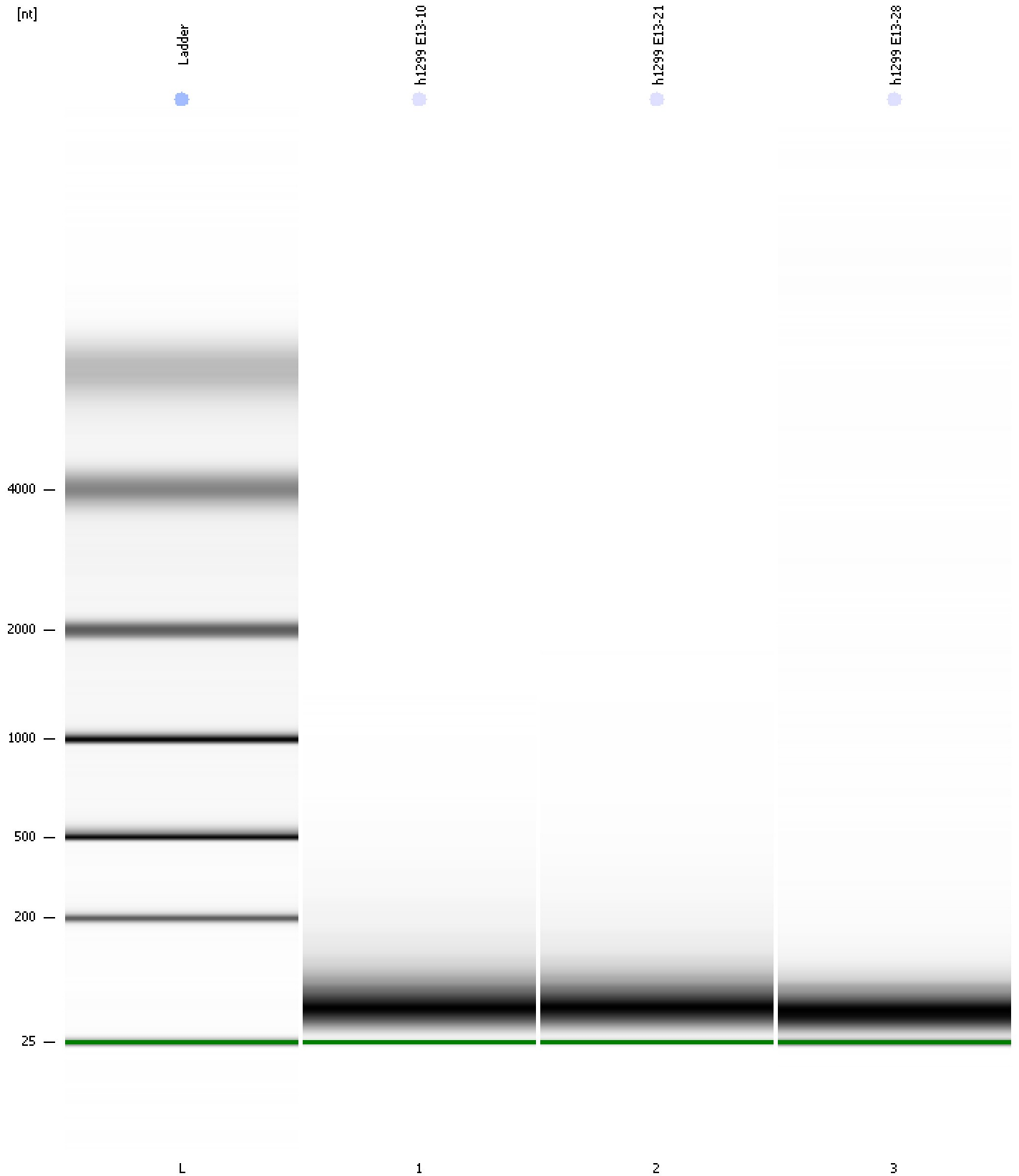
Fragment table for sample 3 : h1299 E13-28

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,357	1,587	0.2	0.1
28S	2,901	3,195	0.1	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...15-09-22\2015-09-22_003_HiSeq251_TotRNAQC_resubmission1.xad

Created: 9/22/2015 1:25:48 PM
Modified: 9/22/2015 1:39:36 PM

Gel Image

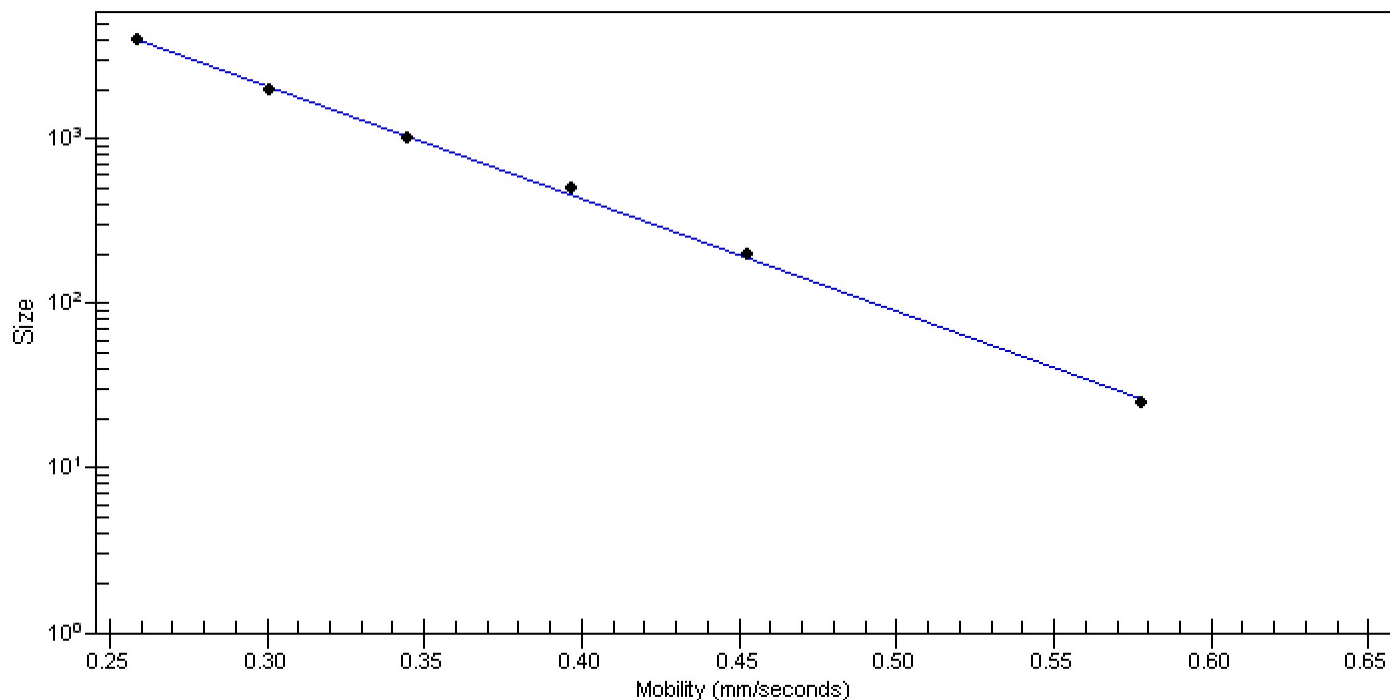


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...15-09-22\2015-09-22_003_HiSeq251_TotRNAQC_resubmission1.xad

Created: 9/22/2015 1:25:48 PM
Modified: 9/22/2015 1:39:36 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...15-09-22\2015-09-22_003_HiSeq251_TotRNAQC_resubmission1.xad

Created: 9/22/2015 1:25:48 PM
 Modified: 9/22/2015 1:39:36 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 5)		Instrument	Run		9/22/2015 1:38:40 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanal yzer\2015-09-22 \2015-09-22_00 3.xad)		Instrument	Run		9/22/2015 1:25:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/22/2015 1:25:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/22/2015 1:25:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/22/2015 1:25:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/22/2015 1:25:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/22/2015 1:25:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/22/2015 1:25:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1