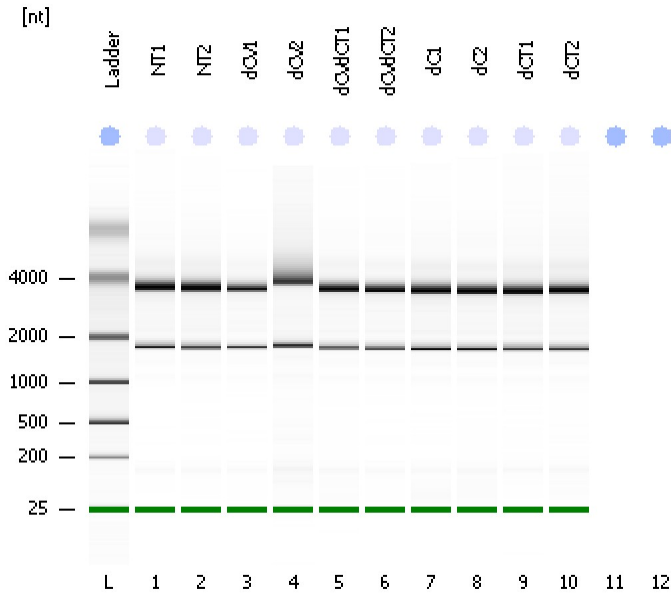


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Electrophoresis File Run Summary



Instrument Information:

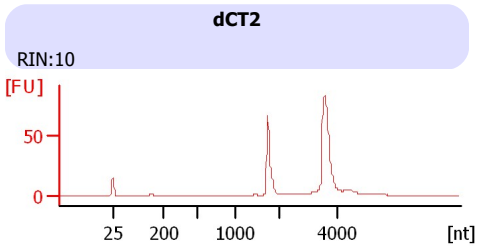
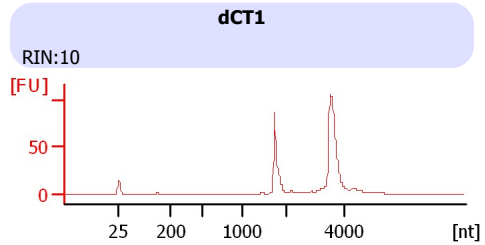
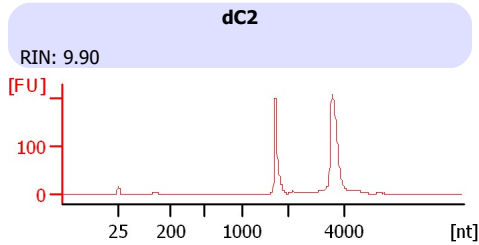
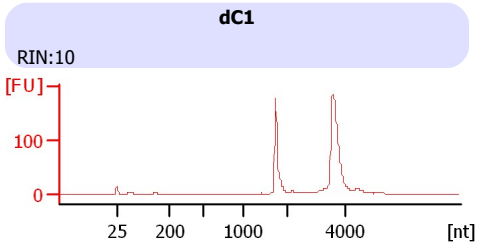
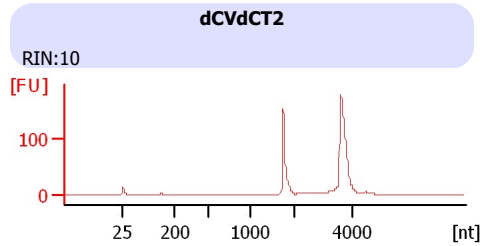
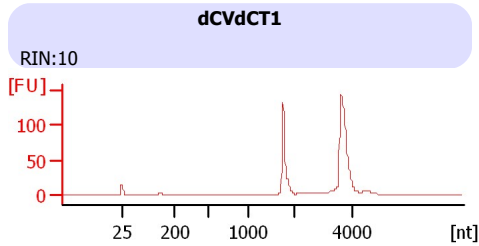
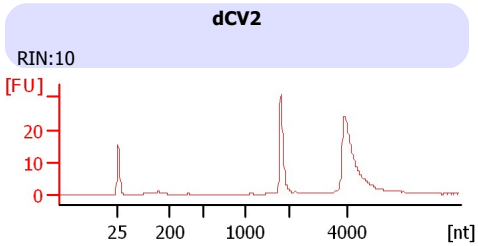
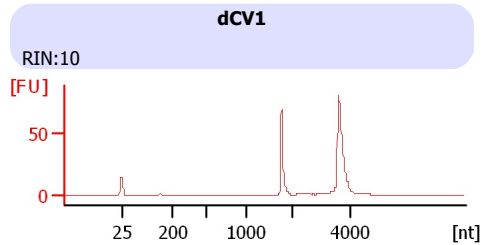
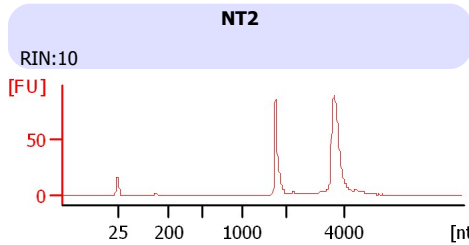
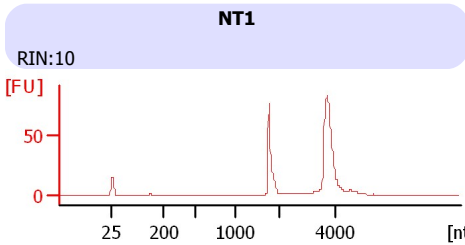
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
 Modified: 3/14/2019 3:58:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NT1		✓	RIN:10	
NT2		✓	RIN:10	
dCV1		✓	RIN:10	
dCV2		✓	RIN:10	
dCVdCT1		✓	RIN:10	
dCVdCT2		✓	RIN:10	
dC1		✓	RIN:10	
dC2		✓	RIN: 9.90	
dCT1		✓	RIN:10	
dCT2		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 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

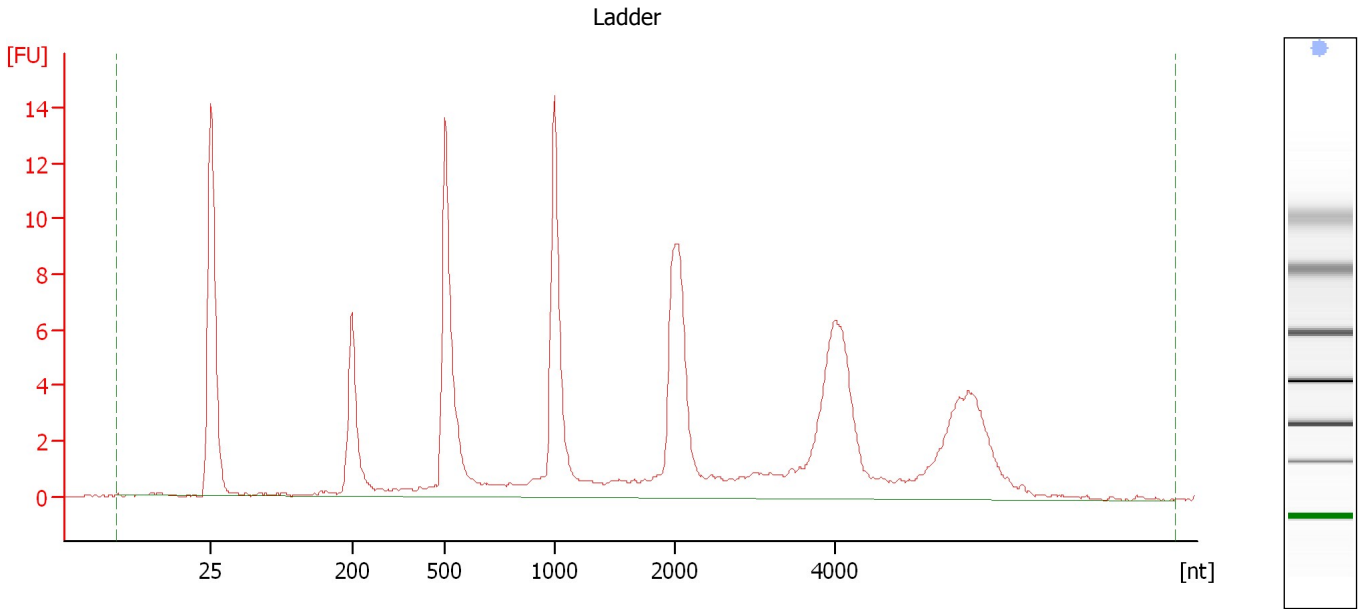
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Electropherogram Summary



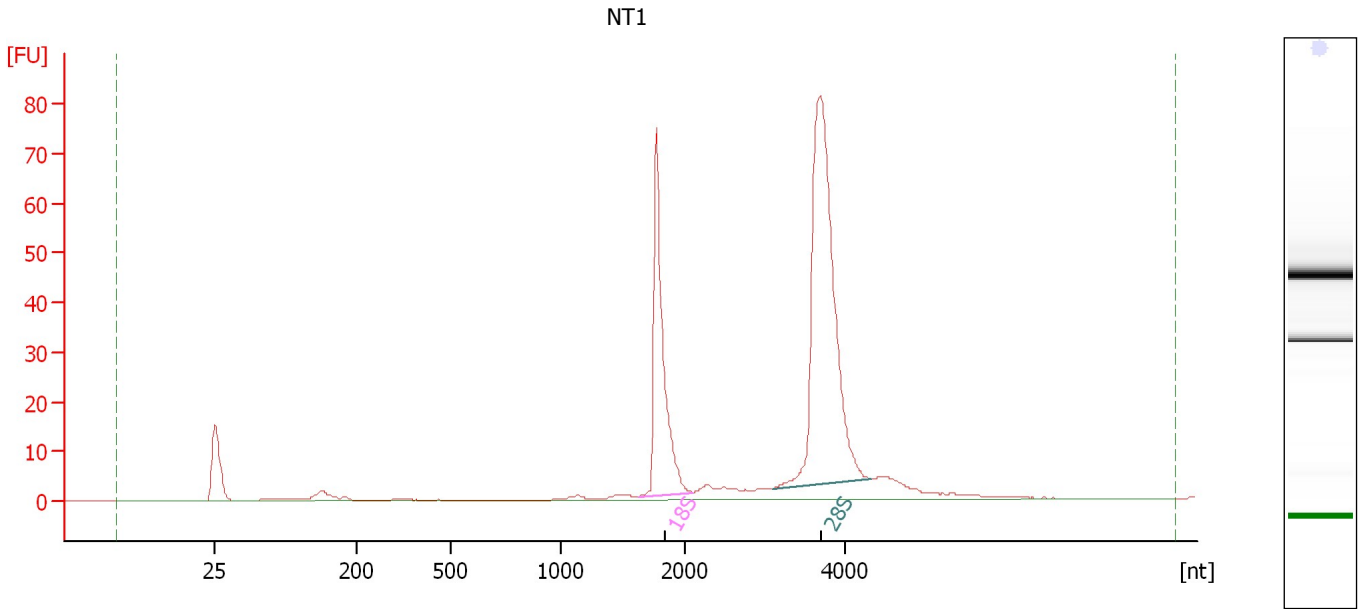
Overall Results for Ladder

RNA Area:	126.7	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : NT1

RNA Area: 346.1 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 410 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN:10

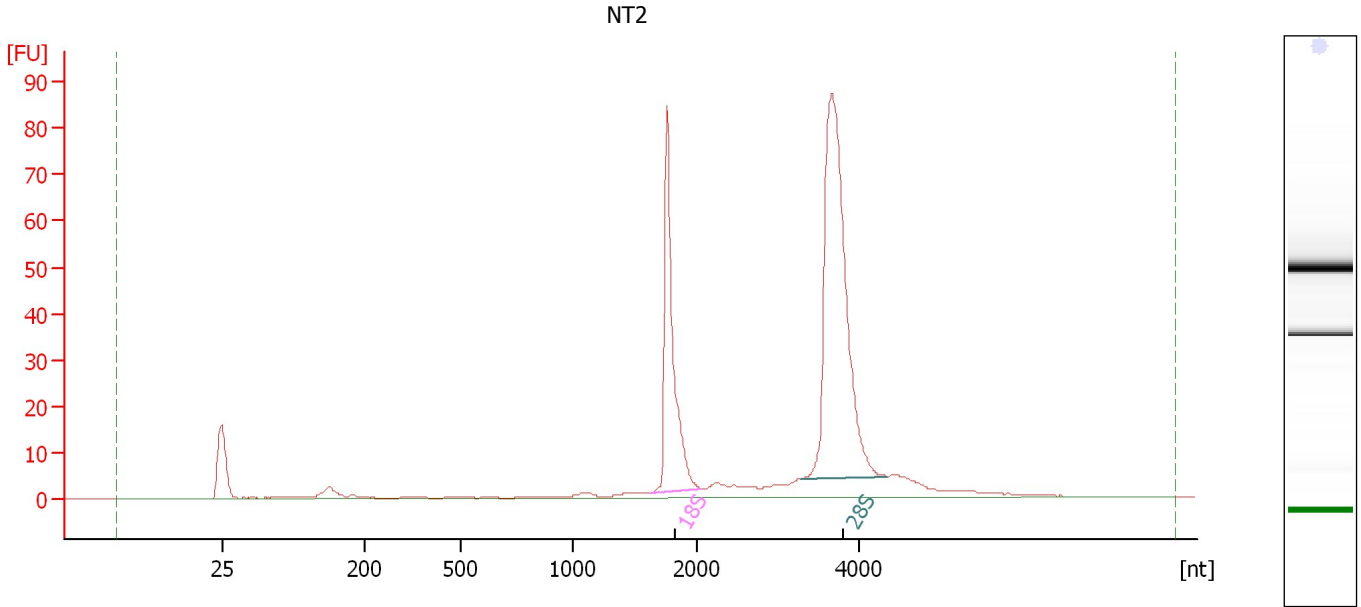
Fragment table for sample 1 : NT1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,629	2,111	79.6	23.0
28S	3,109	4,320	174.6	50.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : NT2

RNA Area: 372.0 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 440 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

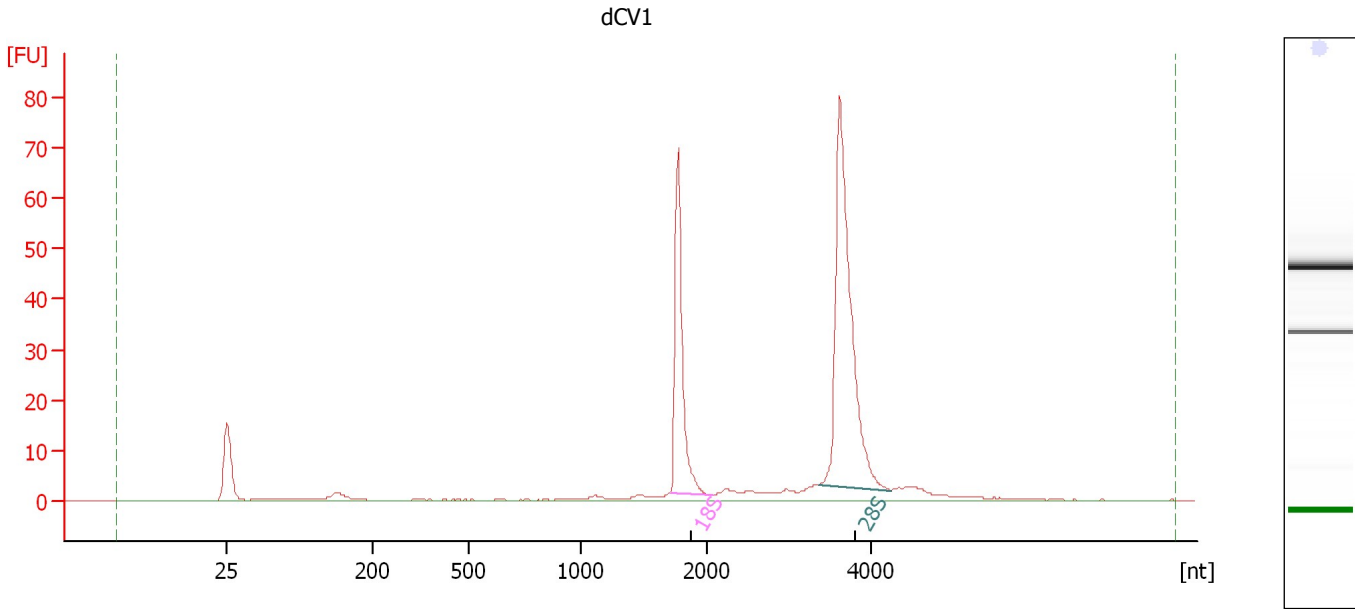
Fragment table for sample 2 : NT2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,638	2,064	86.1	23.1
28S	3,300	4,352	178.5	48.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : dCV1

RNA Area:	239.0	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	283 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN:10

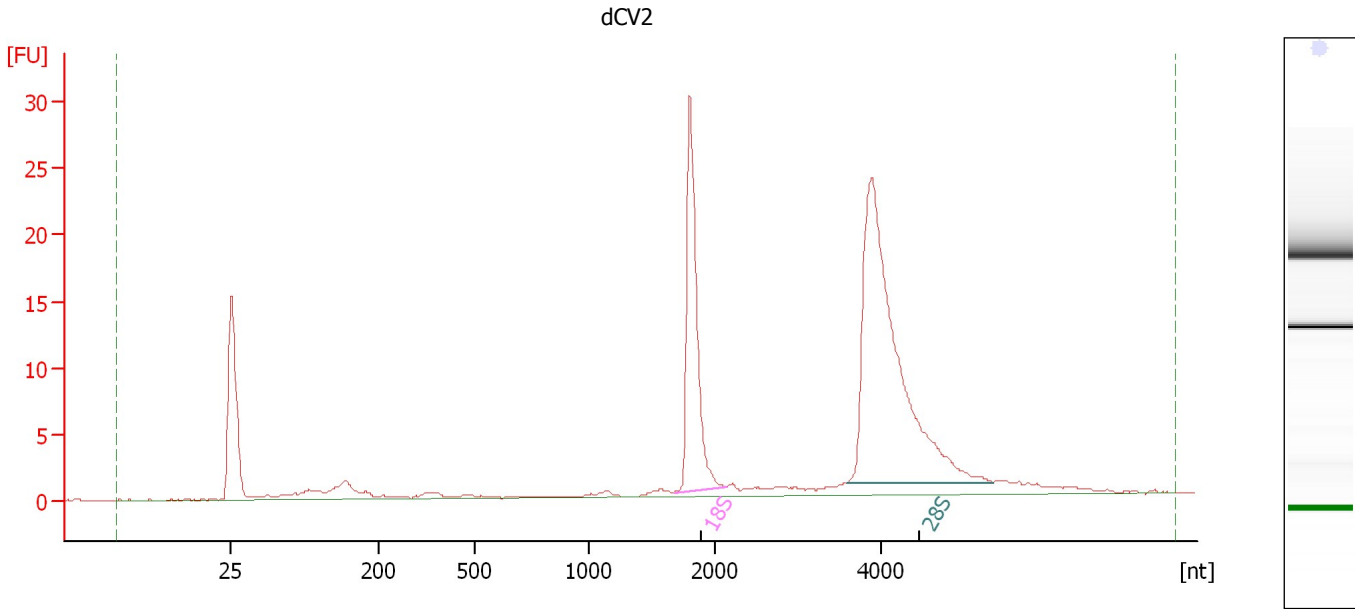
Fragment table for sample 3 : dCV1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,722	2,069	56.5	23.6
28S	3,371	4,243	114.8	48.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : dCV2

RNA Area: 148.9 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 176 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN:10

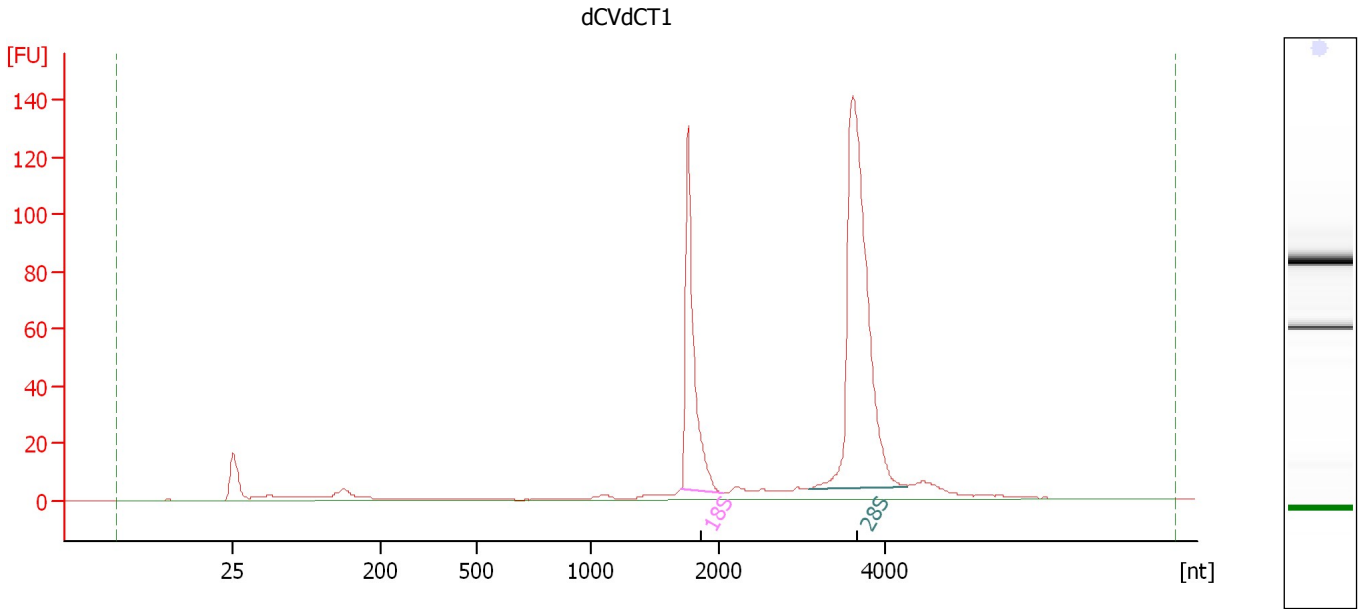
Fragment table for sample 4 : dCV2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,685	2,138	33.3	22.4
28S	3,597	5,352	74.9	50.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : dCVdCT1

RNA Area: 540.4 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 640 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN:10

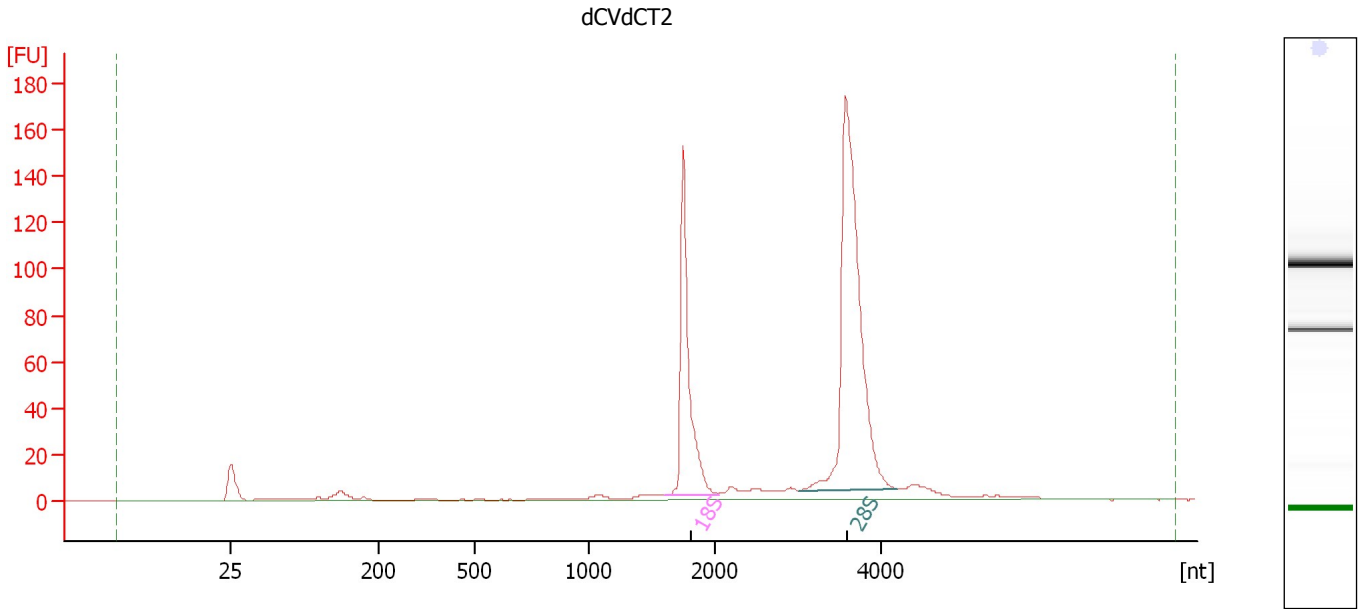
Fragment table for sample 5 : dCVdCT1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,704	2,050	119.9	22.2
28S	3,091	4,274	264.8	49.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : dCVdCT2

RNA Area: 602.6 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 713 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

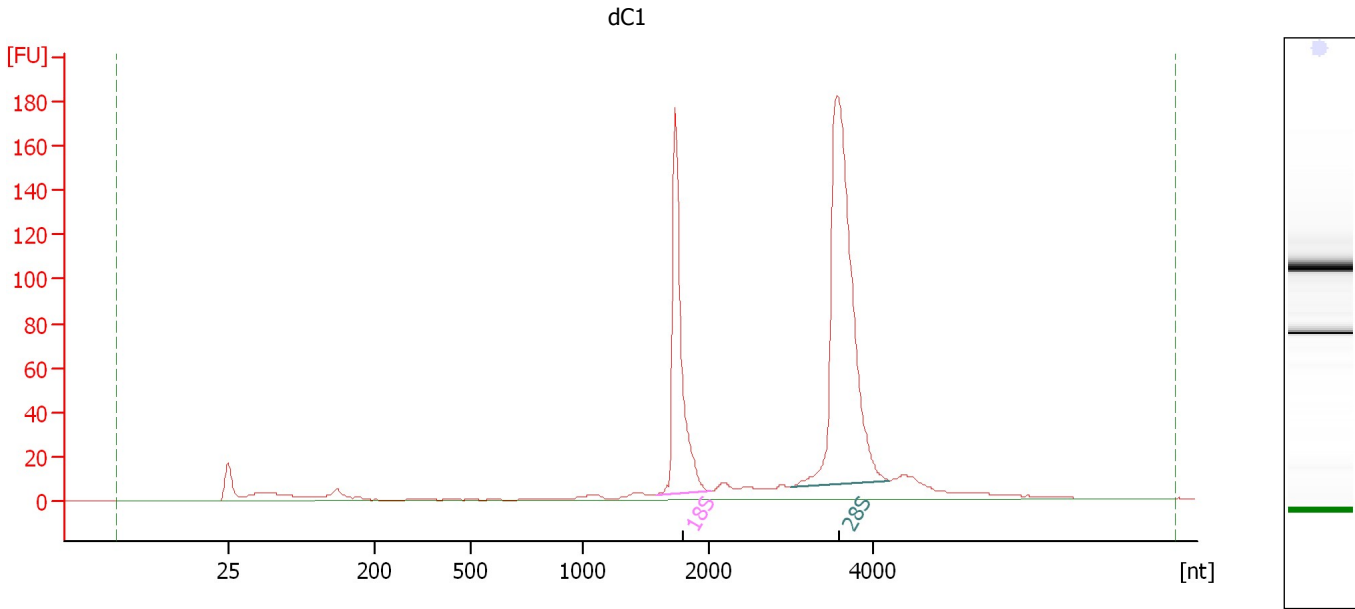
Fragment table for sample 6 : dCVdCT2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	2,047	146.7	24.3
28S	3,016	4,203	303.5	50.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : dC1

RNA Area: 783.5 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 927 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

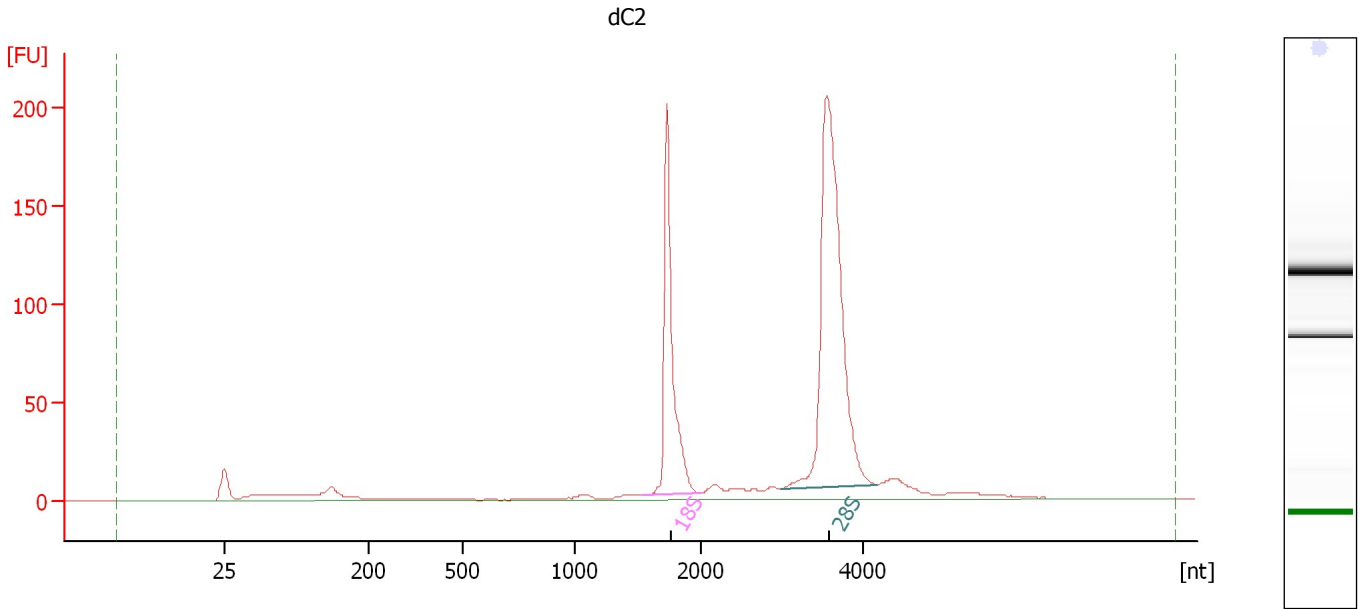
Fragment table for sample 7 : dC1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,596	2,031	172.7	22.0
28S	3,005	4,200	366.0	46.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : dC2

RNA Area:	860.5	RNA Integrity Number (RIN):	9.9 (B.02.08)
RNA Concentration:	1,018 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.90

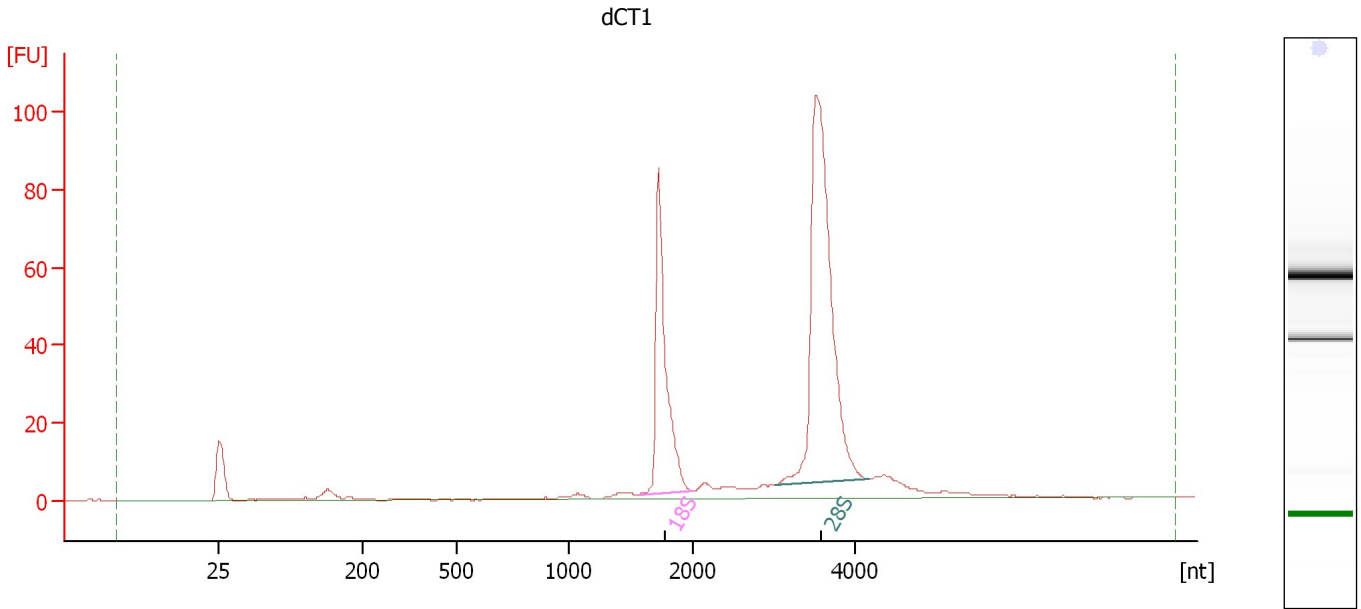
Fragment table for sample 8 : dC2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,538	2,001	197.7	23.0
28S	2,983	4,161	404.8	47.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : dCT1

RNA Area: 412.4 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 488 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN:10

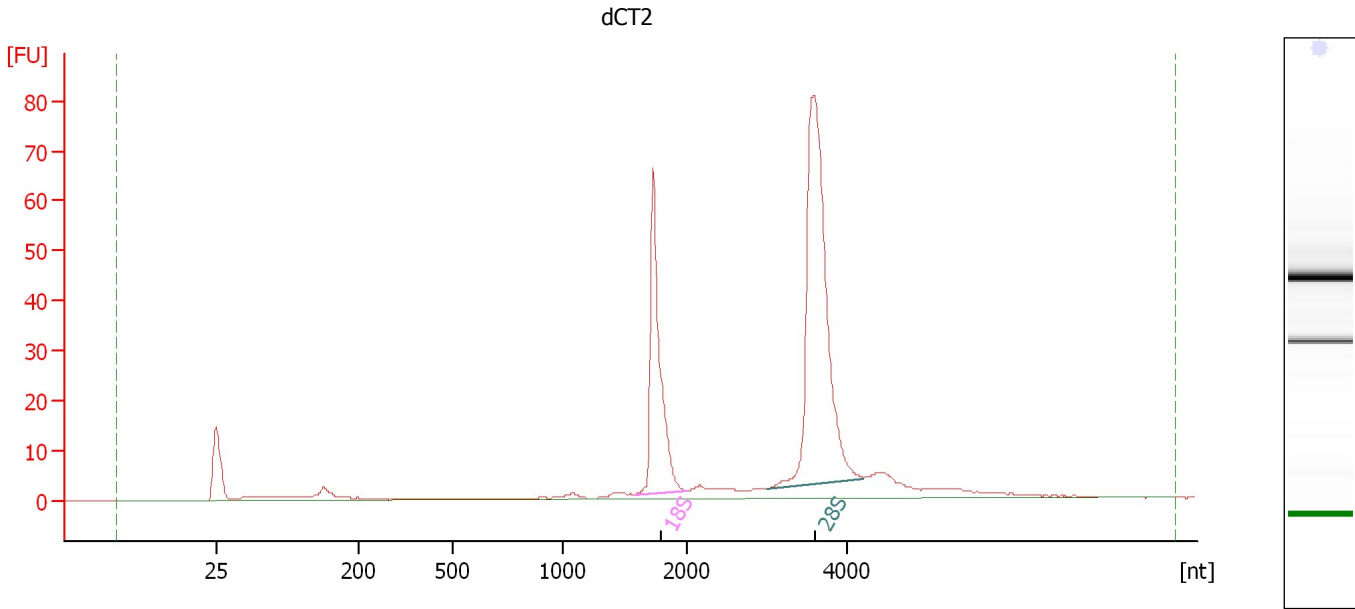
Fragment table for sample 9 : dCT1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,574	2,009	94.1	22.8
28S	3,012	4,187	205.1	49.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
 Modified: 3/14/2019 3:58:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : dCT2

RNA Area:	337.4	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	399 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN:10

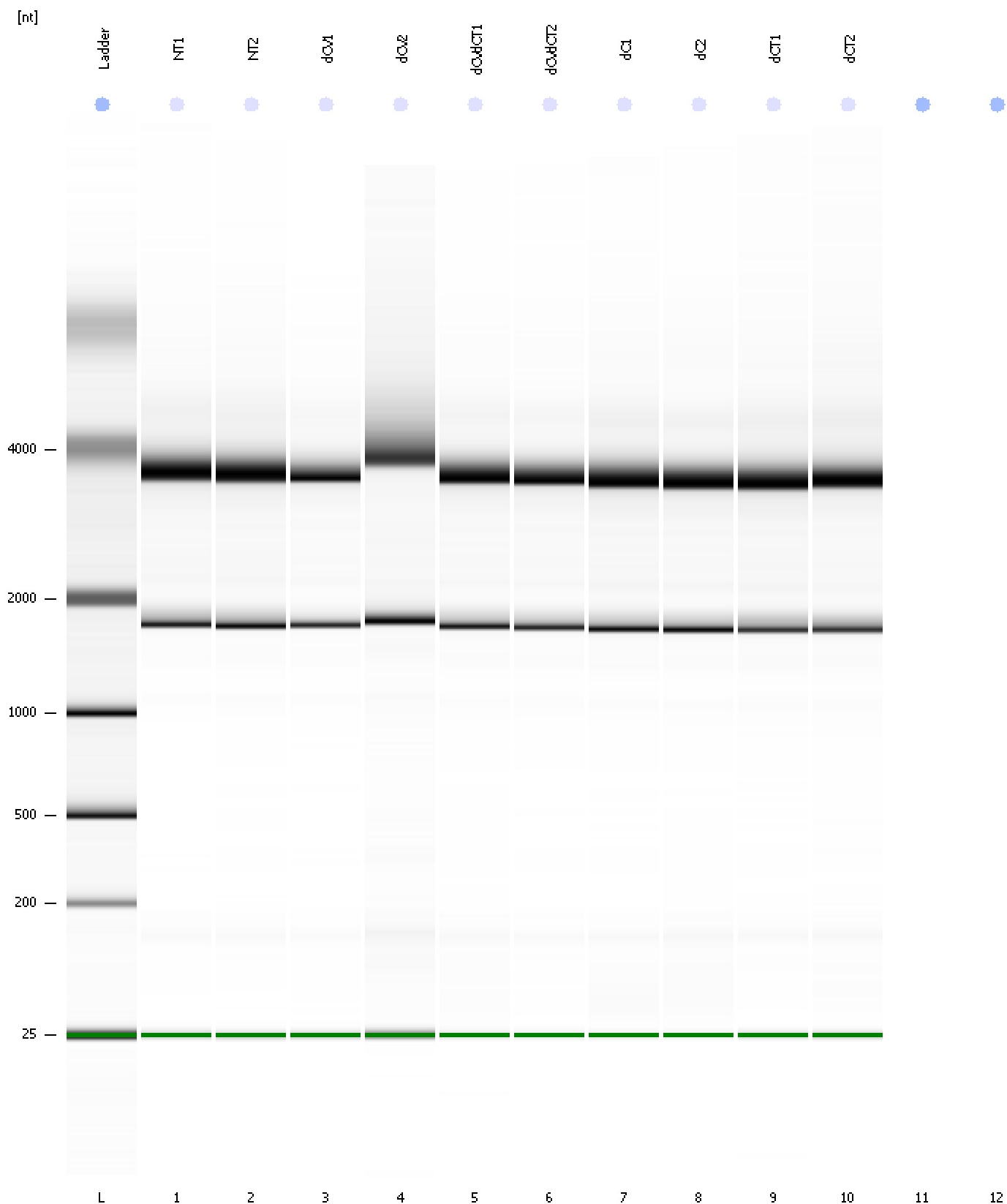
Fragment table for sample 10 : dCT2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	2,005	74.4	22.1
28S	3,015	4,211	158.0	46.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Gel Image

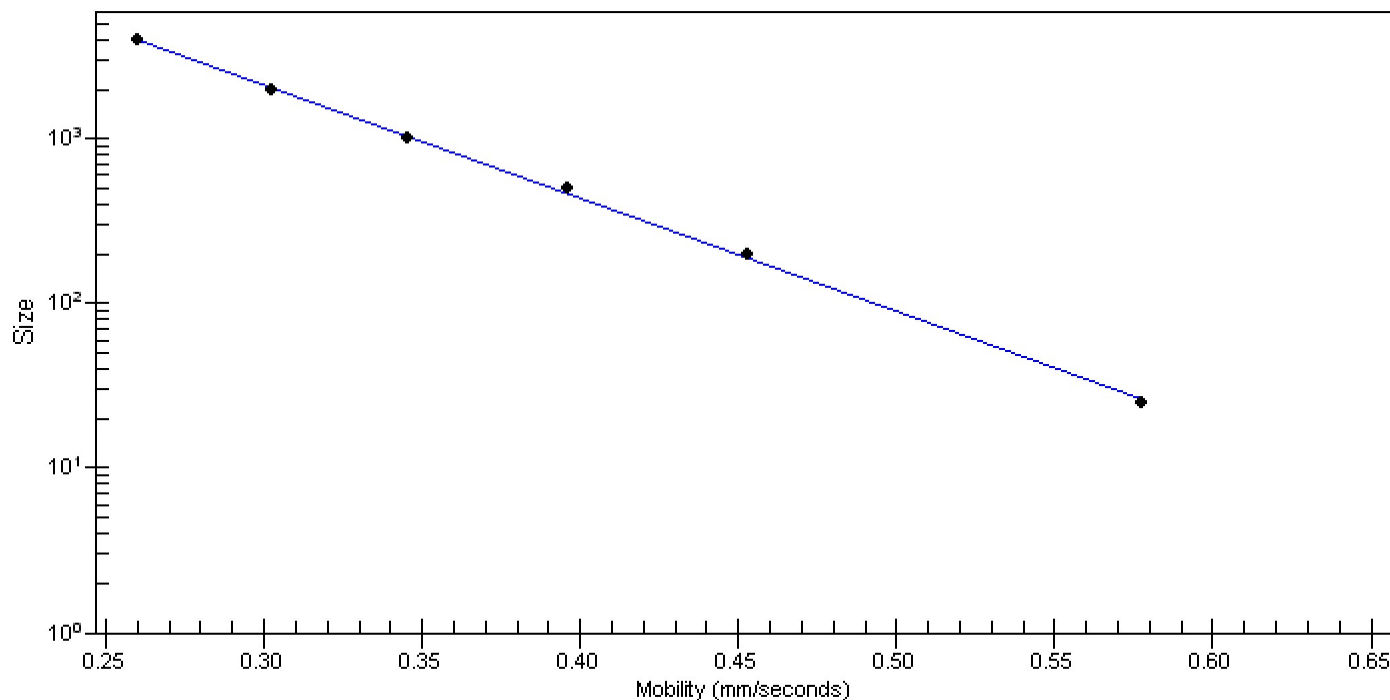


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
Modified: 3/14/2019 3:58:41 PM

Invalid Samples

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad

Created: 3/14/2019 3:37:26 PM
 Modified: 3/14/2019 3:58:41 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		3/14/2019 3:58:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-03-14\2019-03-14_002.xad)		Instrument	Run		3/14/2019 3:37:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		3/14/2019 3:37:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/14/2019 3:37:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/14/2019 3:37:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		3/14/2019 3:37:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/14/2019 3:37:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/14/2019 3:37:31 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1