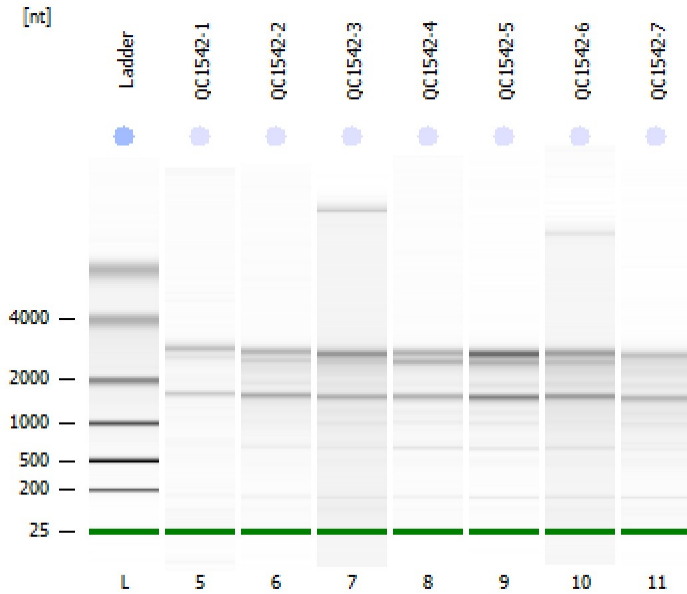


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
Modified: 7/19/2023 4:43:07 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 (x86)\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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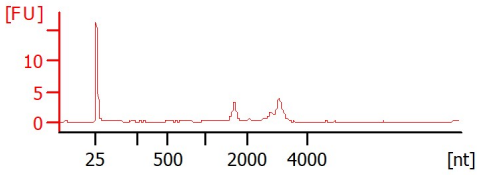
Chip Information:

Chip Lot #:

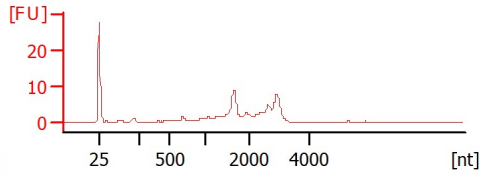
Reagent Kit Lot #:

Chip Comments:

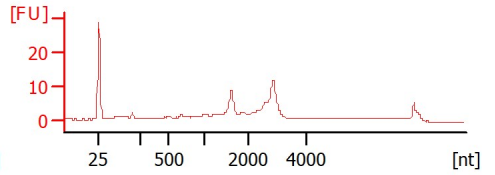
QC1542-1
WTD0R9
RIN: 8.30



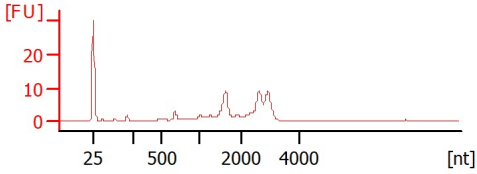
QC1542-2
WTD7R9
RIN: 7.80



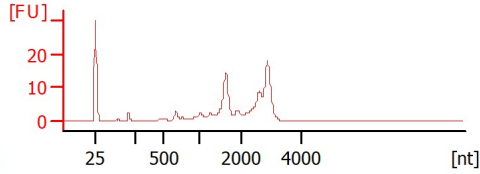
QC1542-3
DLKD0R9
RIN: 8.10



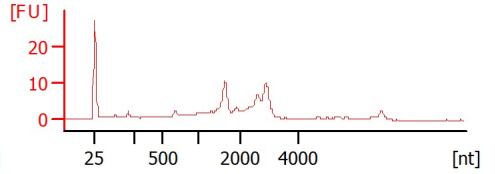
QC1542-4
DLKD7R9
RIN: 7.60



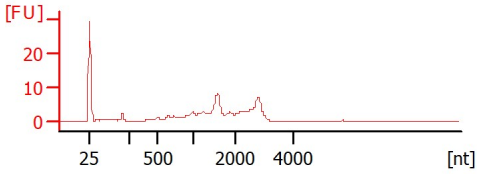
QC1542-5
WTD0R10
RIN: 8



QC1542-6
WTD7R10
RIN: 7.30



QC1542-7
DLKD0R10
RIN: 7.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
 Modified: 7/19/2023 4:43:07 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1542-1	WTD0R9	✓	RIN: 8.30	
QC1542-2	WTD7R9	✓	RIN: 7.80	
QC1542-3	DLKD0R9	✓	RIN: 8.10	
QC1542-4	DLKD7R9	✓	RIN: 7.60	
QC1542-5	WTD0R10	✓	RIN:8	
QC1542-6	WTD7R10	✓	RIN: 7.30	
QC1542-7	DLKD0R10	✓	RIN: 7.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
Modified: 7/19/2023 4:43:07 PM

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

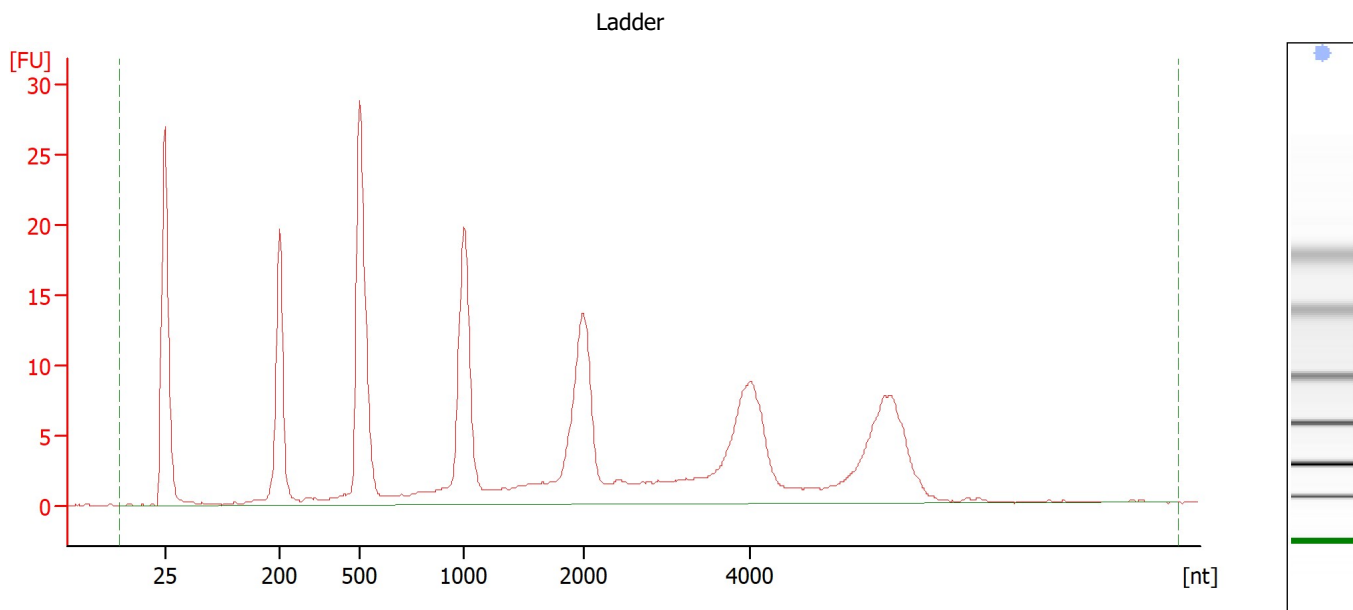
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
Modified: 7/19/2023 4:43:07 PM

Electropherogram Summary



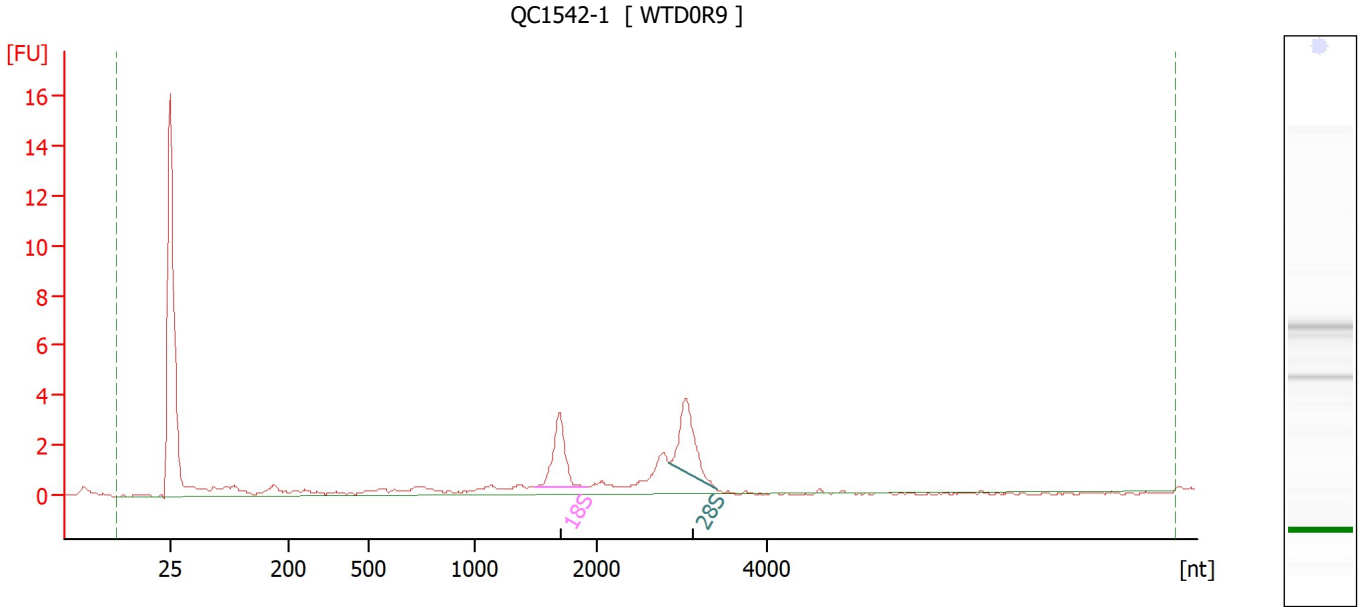
Overall Results for Ladder

RNA Area:	262.0	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
Modified: 7/19/2023 4:43:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1542-1

RNA Area: 33.9 RNA Integrity Number (RIN): 8.3 (B.02.10)
RNA Concentration: 129 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 8.30

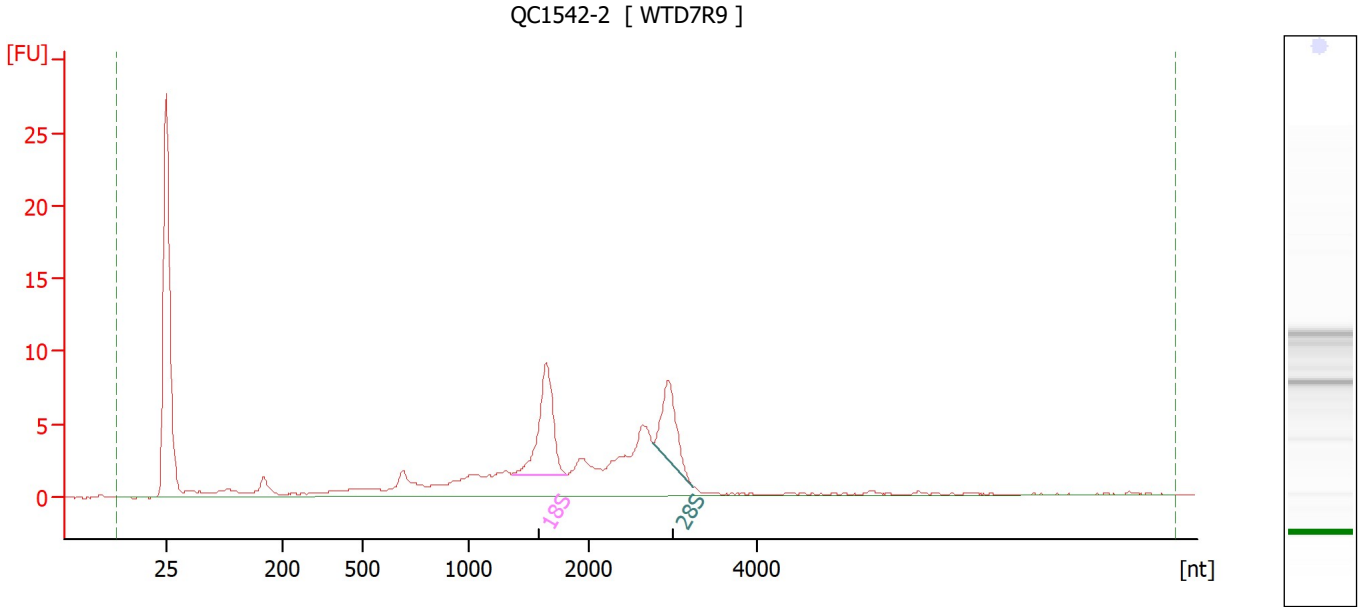
Fragment table for sample 5 : QC1542-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,489	1,910	4.8	14.0
28S	2,852	3,406	5.2	15.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
Modified: 7/19/2023 4:43:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1542-2

RNA Area: 105.4 RNA Integrity Number (RIN): 7.8 (B.02.10)
RNA Concentration: 402 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 7.80

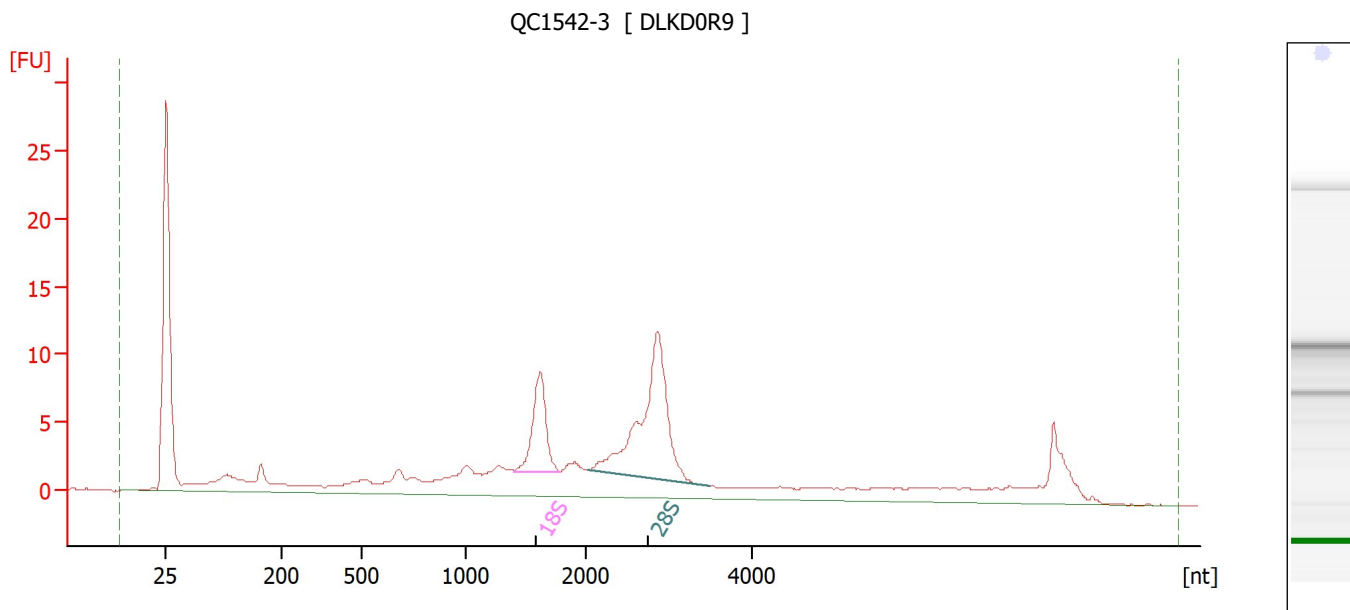
Fragment table for sample 6 : QC1542-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,366	1,817	15.0	14.2
28S	2,766	3,236	9.5	9.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
 Modified: 7/19/2023 4:43:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1542-3

RNA Area:	175.8	RNA Integrity Number (RIN):	8.1 (B.02.10)
RNA Concentration:	671 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.6	Result Flagging Label:	RIN: 8.10

Fragment table for sample 7 : QC1542-3

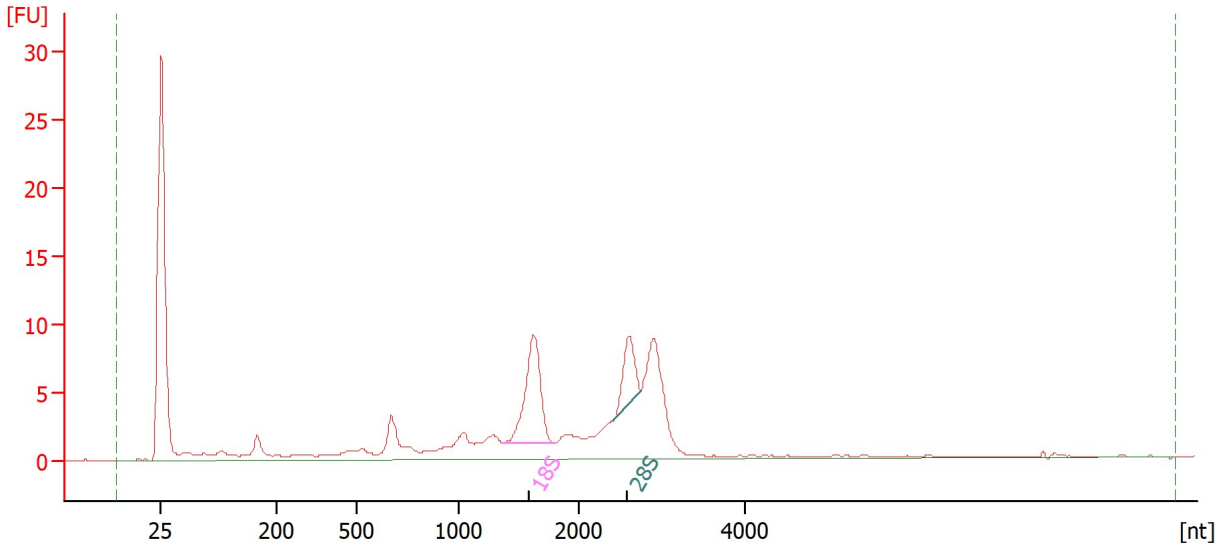
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,403	1,778	13.1	7.5
28S	2,013	3,497	34.7	19.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
Modified: 7/19/2023 4:43:07 PM

Electropherogram Summary Continued ...

QC1542-4 [DLKD7R9]



Overall Results for sample 8 : QC1542-4

RNA Area: 115.0 RNA Integrity Number (RIN): 7.6 (B.02.10)
RNA Concentration: 439 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 7.60

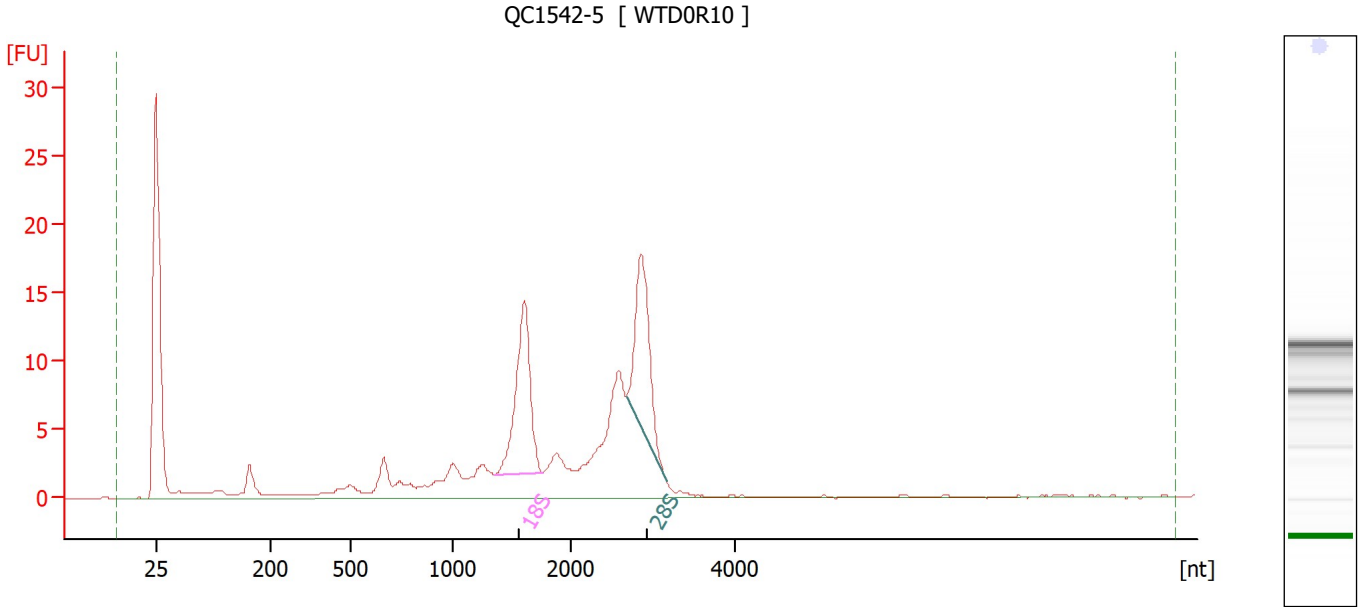
Fragment table for sample 8 : QC1542-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,372	1,802	16.6	14.4
28S	2,410	2,744	6.8	5.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
Modified: 7/19/2023 4:43:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC1542-5

RNA Area: 156.5 RNA Integrity Number (RIN): 8 (B.02.10)
RNA Concentration: 597 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN:8

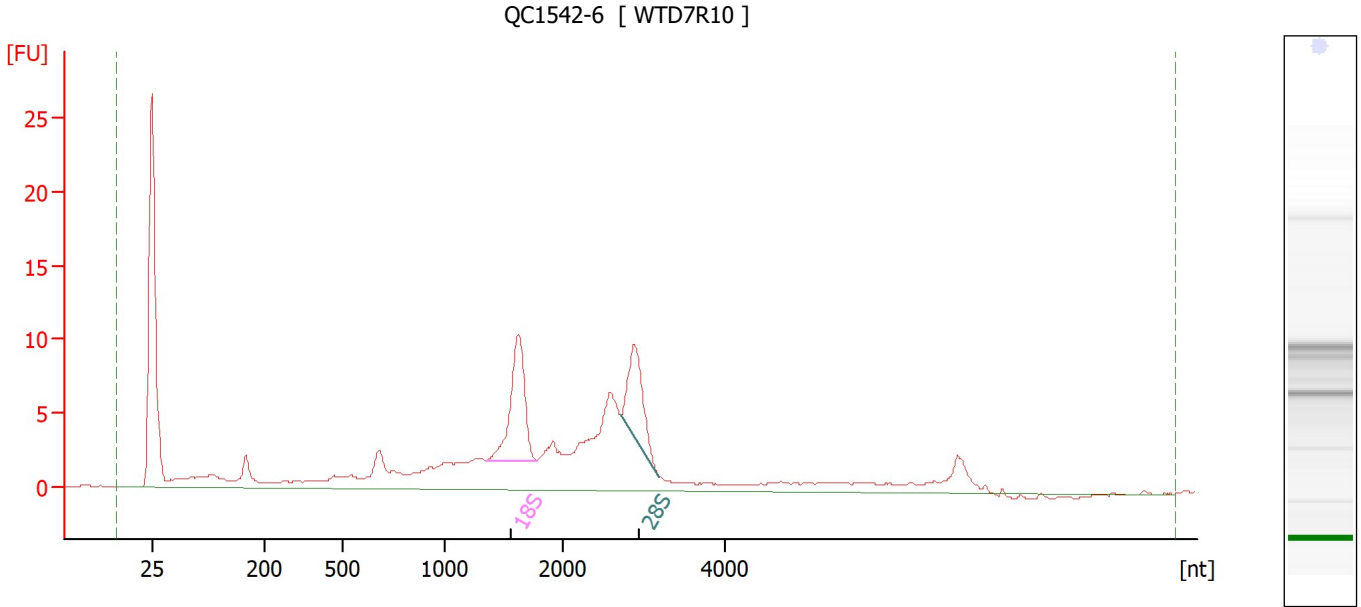
Fragment table for sample 9 : QC1542-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,354	1,760	25.4	16.3
28S	2,681	3,161	22.0	14.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
Modified: 7/19/2023 4:43:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : QC1542-6

RNA Area: 154.1 RNA Integrity Number (RIN): 7.3 (B.02.10)
RNA Concentration: 588 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 7.30

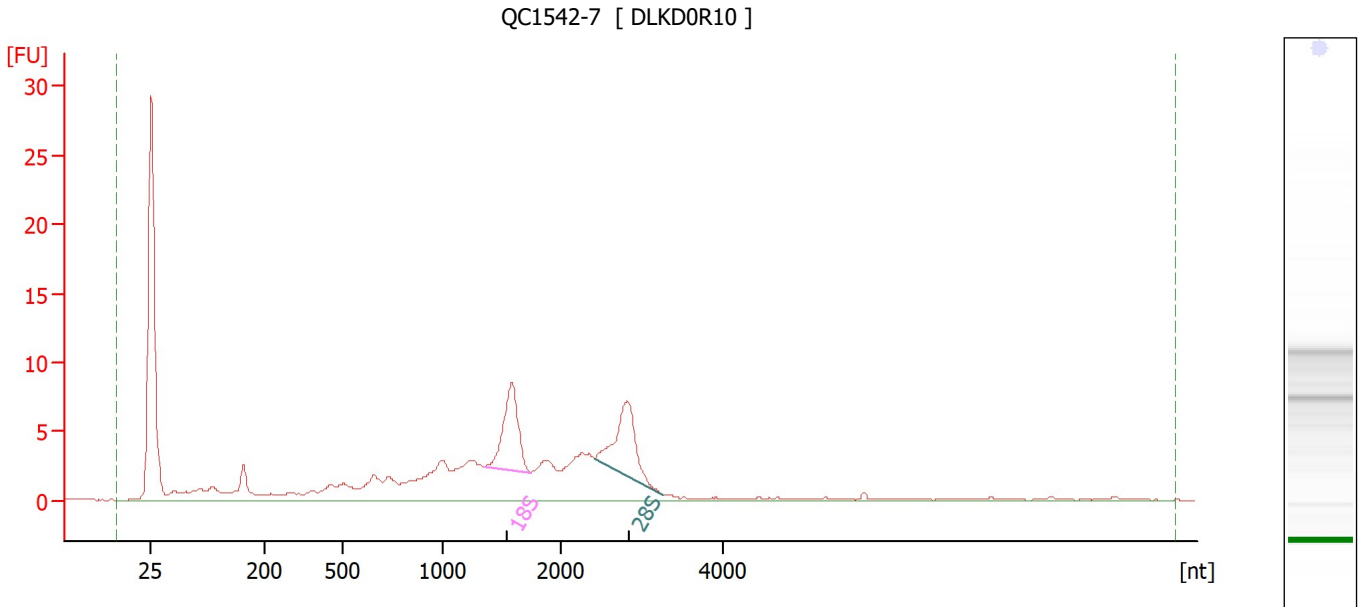
Fragment table for sample 10 : QC1542-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,354	1,782	17.1	11.1
28S	2,709	3,193	11.4	7.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
Modified: 7/19/2023 4:43:07 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : QC1542-7

RNA Area:	138.4	RNA Integrity Number (RIN):	7.3 (B.02.10)
RNA Concentration:	528 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.30

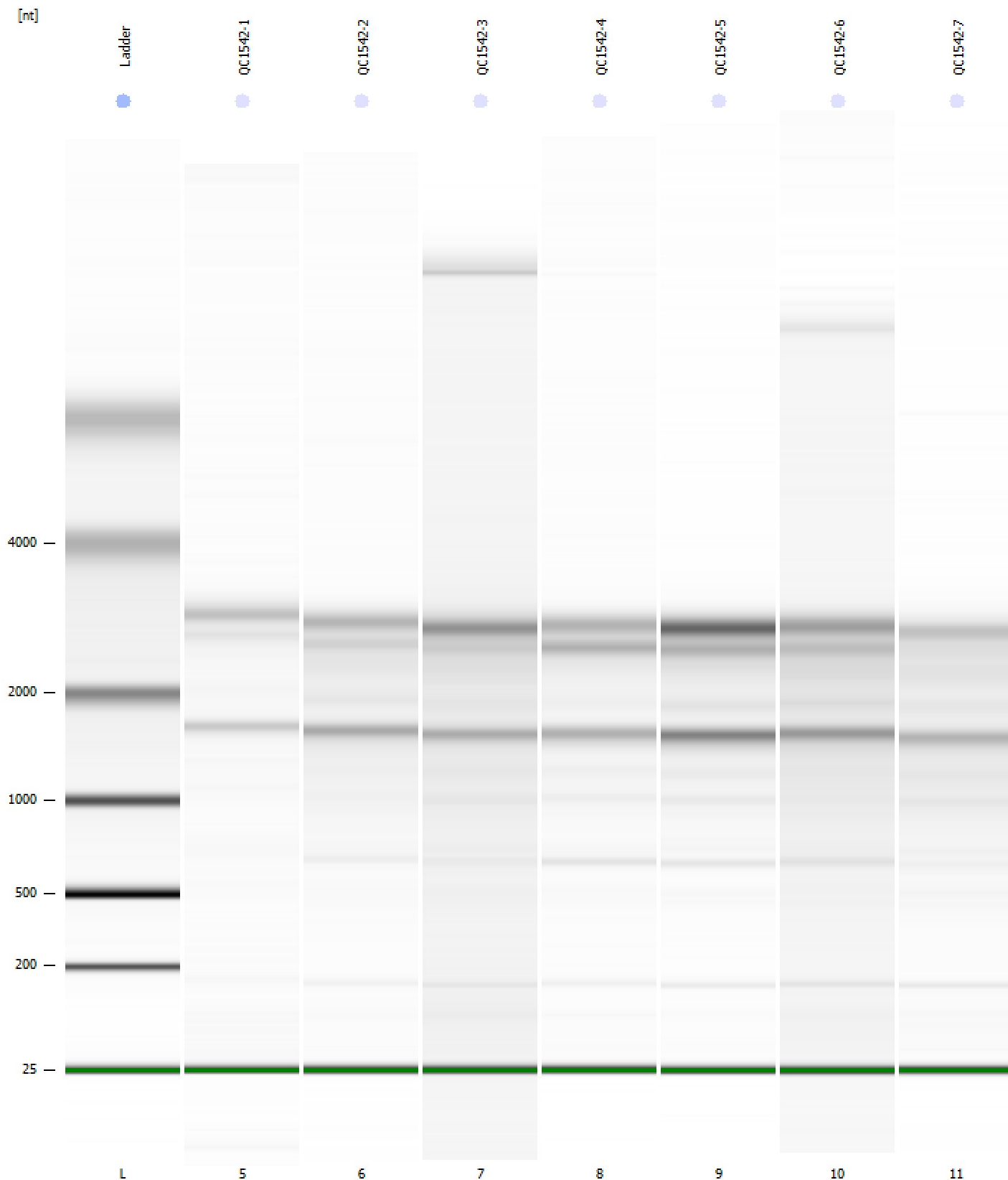
Fragment table for sample 11 : QC1542-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,351	1,744	13.1	9.5
28S	2,420	3,247	13.1	9.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
Modified: 7/19/2023 4:43:07 PM

Gel Image

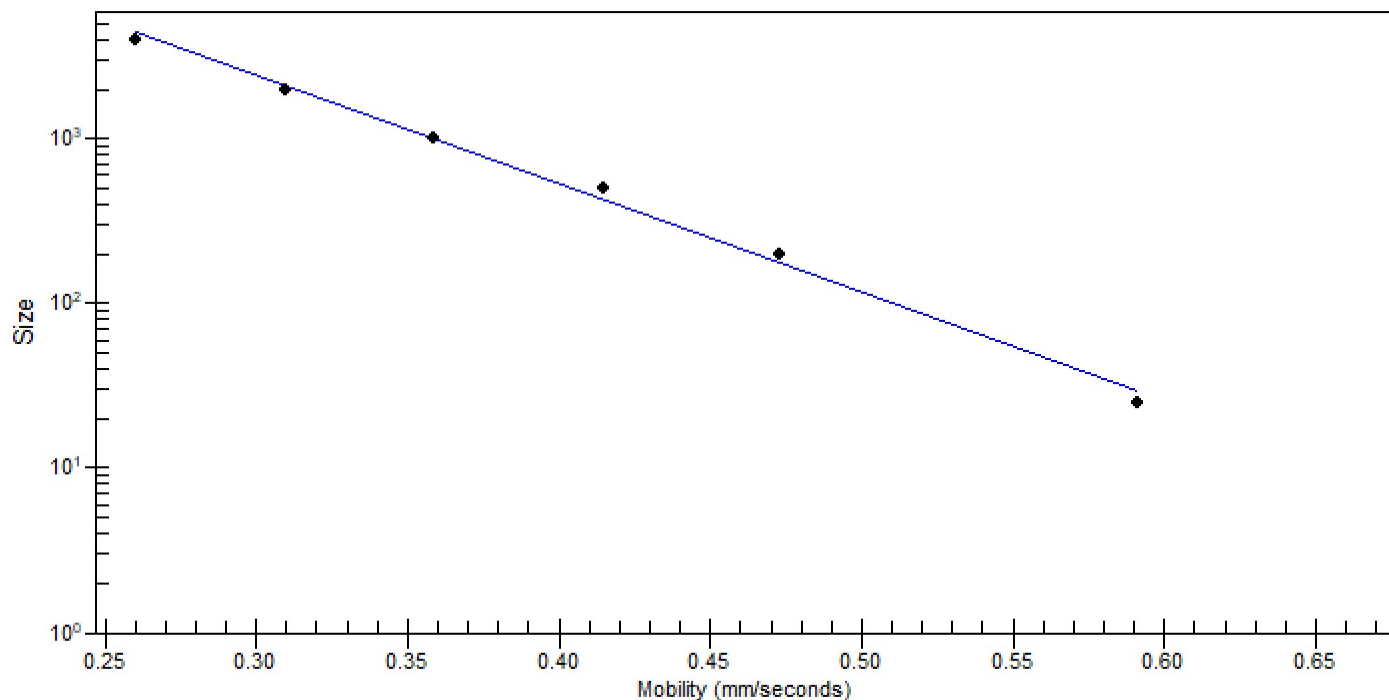


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad

Created: 7/19/2023 3:15:47 PM
Modified: 7/19/2023 4:43:07 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-19\QC1542_1-7.xad
 Created: 7/19/2023 3:15:47 PM
 Modified: 7/19/2023 4:43:07 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		7/19/2023 3:38:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-07-19\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-07-19_001.xad)		Instrument	Run		7/19/2023 3:15:54 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/19/2023 3:15:54 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/19/2023 3:15:54 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/19/2023 3:15:54 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/19/2023 3:15:54 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/19/2023 3:15:54 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/19/2023 3:15:54 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB