

Lab ID: XXX – Donor 1

**A. Purity and Quantity of RNA C**

**A.1. Spectrophotometric data provided by your Lab and by Spidia**

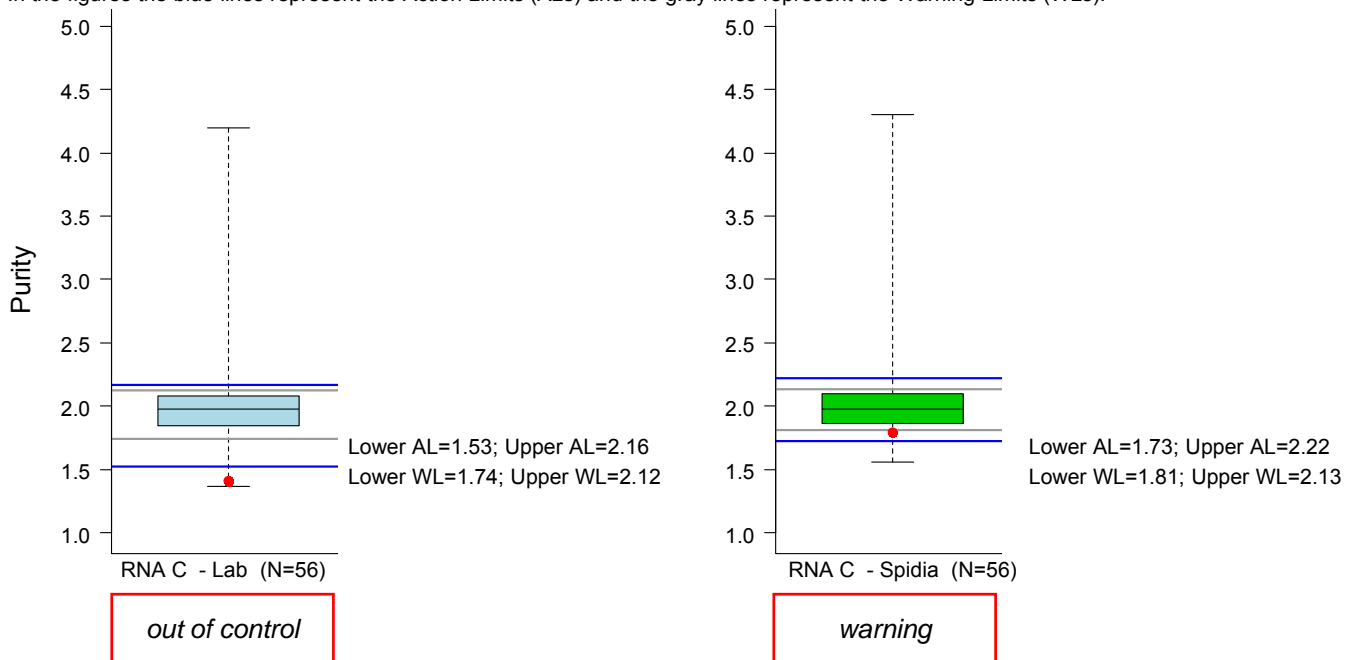
260nm	280nm	320nm	Purity Lab	Quantity Lab (ng/µl blood)	Purity Spidia	Quantity Spidia (ng/µl blood)	Dilution factor	Extraction vol. (µl)	Elution vol. (µl)	Buffer	DNase treatment
0.375	0.265	0.012	1.42	30.00	1.79	22.08	10	250	50	Nuclease Free Water	No

**A.2. Additional information provided by your Lab**

Time interval (hours)		Temperature of RNA storage (°C)		Extraction method		Spectrophotometer	
arrival to extraction	extraction to analysis	arrival to extraction	extraction to analysis	producer	supplier	producer	supplier
4.25	960.00	4.0	-20.0	TRIzol Reagent - Invitrogen	15596-026	Eppendorf BioPhotometer	6131 000.012

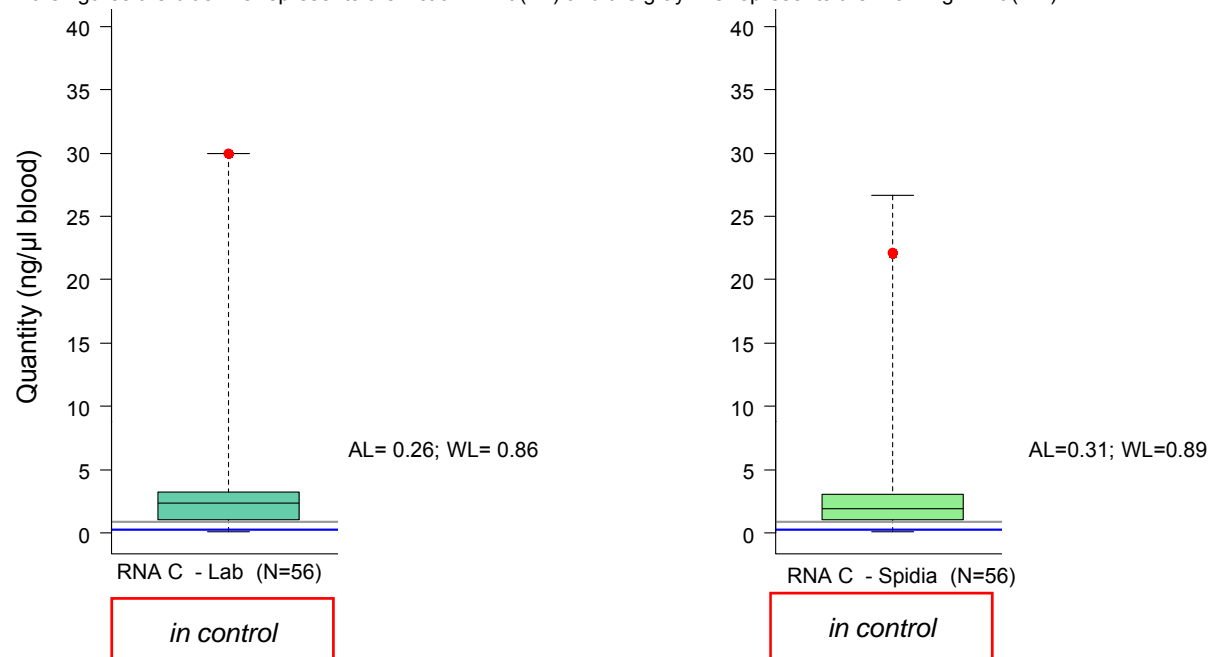
**A.3. Your Lab (●) versus overall distribution – Purity**

In the figures the blue lines represent the Action Limits (ALs) and the gray lines represent the Warning Limits (WLs).



**A.4. Your Lab (●) versus overall distribution – Quantity**

In the figures the blue line represents the Action Limit (AL) and the gray line represents the Warning Limit (WL).

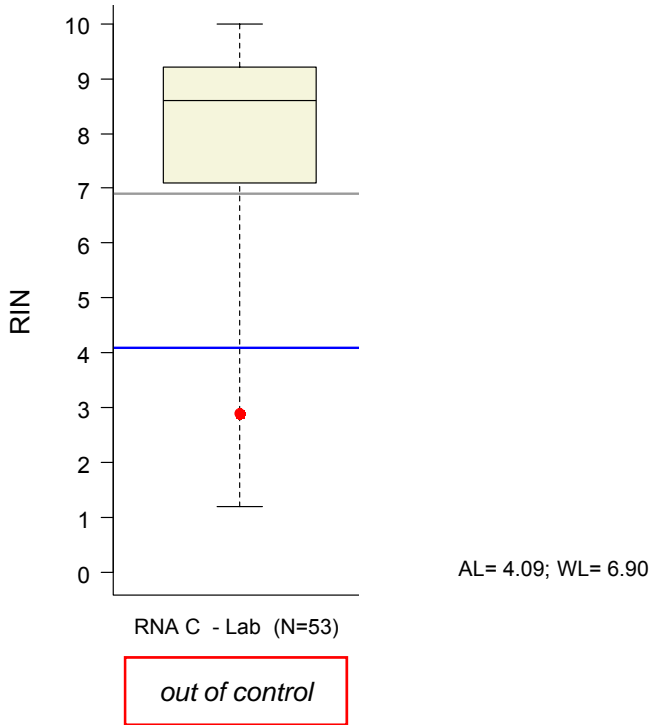


Lab ID: XXX – Donor 1

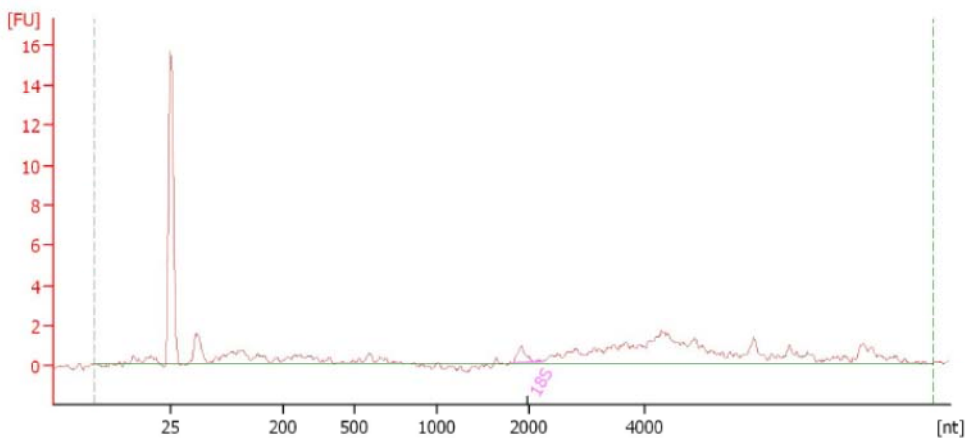
## B. Integrity of RNA C

### B.1. Your Lab (●) versus overall distribution – RIN

In the figure the blue line represents the Action Limit (AL) and the gray line represents the Warning Limit (WL).



### B.2 Electropherogram Agilent – RNA C

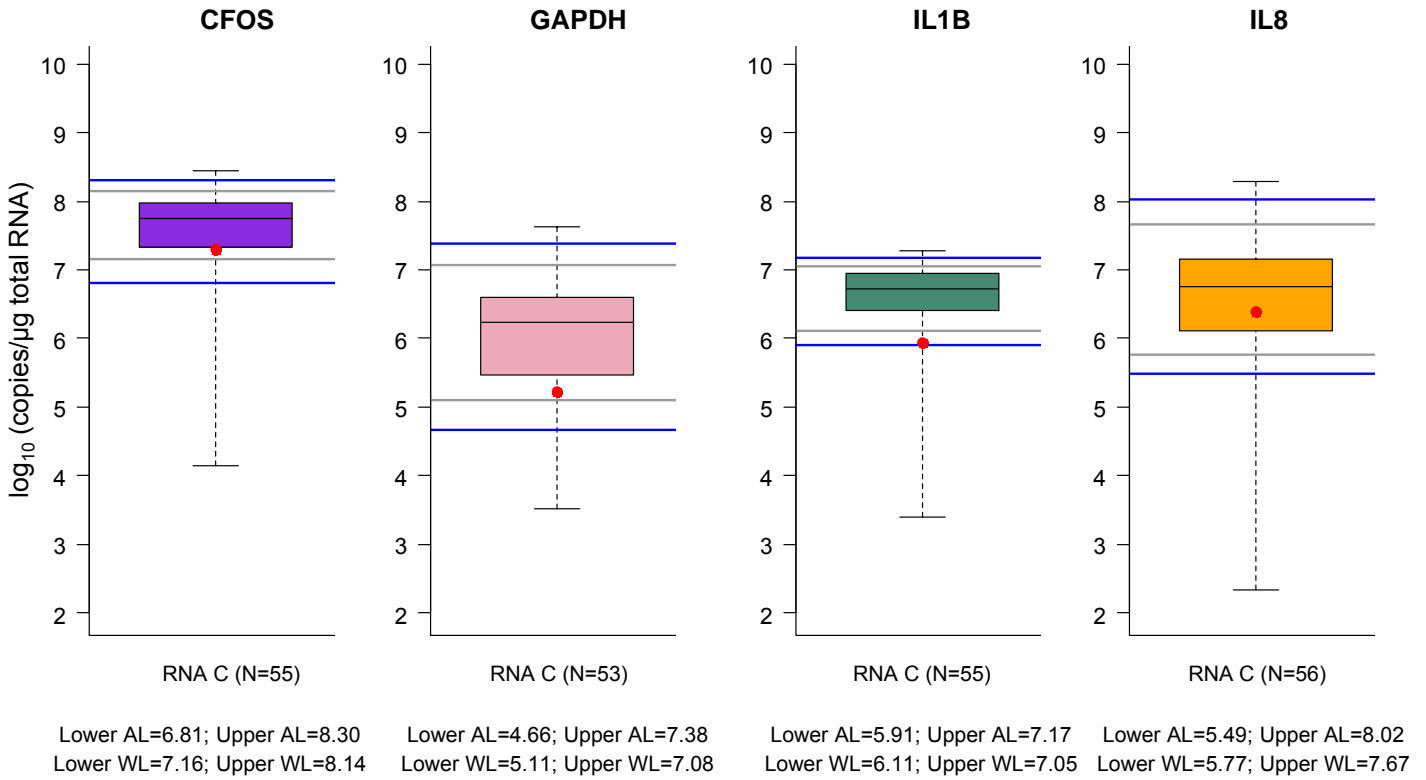


Lab ID: XXX – Donor 1

C. Quantification of four genes by real-time PCR on RNA C

C.1. Your Lab (●) versus overall distribution

In the figures the blue lines represent the Action Limits (ALs) and the gray lines represents the Warning Limits (WLs).



*in control*

*in control*

*warning*

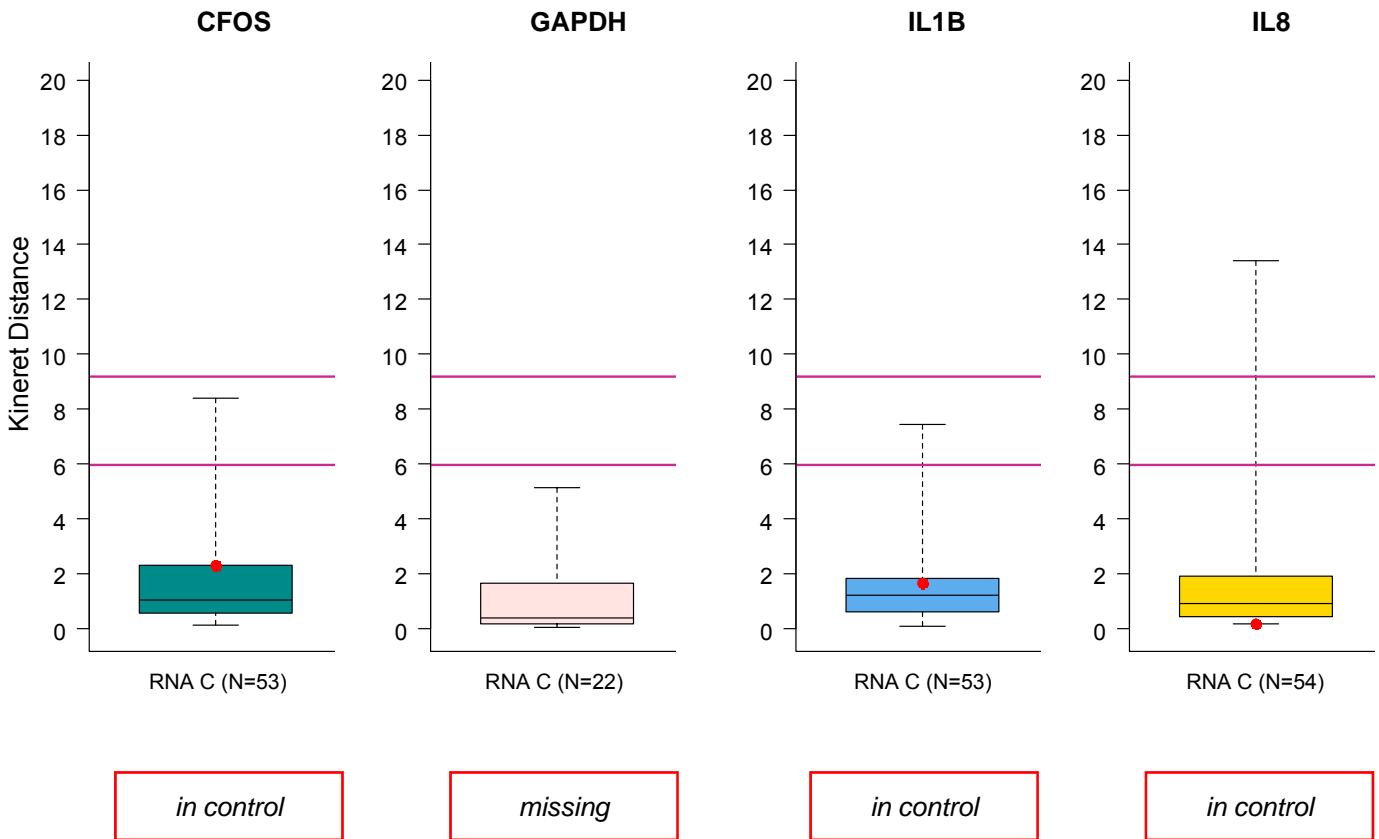
*in control*

Lab ID: XXX – Donor 1

D. Interferences in quantification of four genes by real-time PCR on RNA C

D.1. Your Lab (●) versus overall distribution

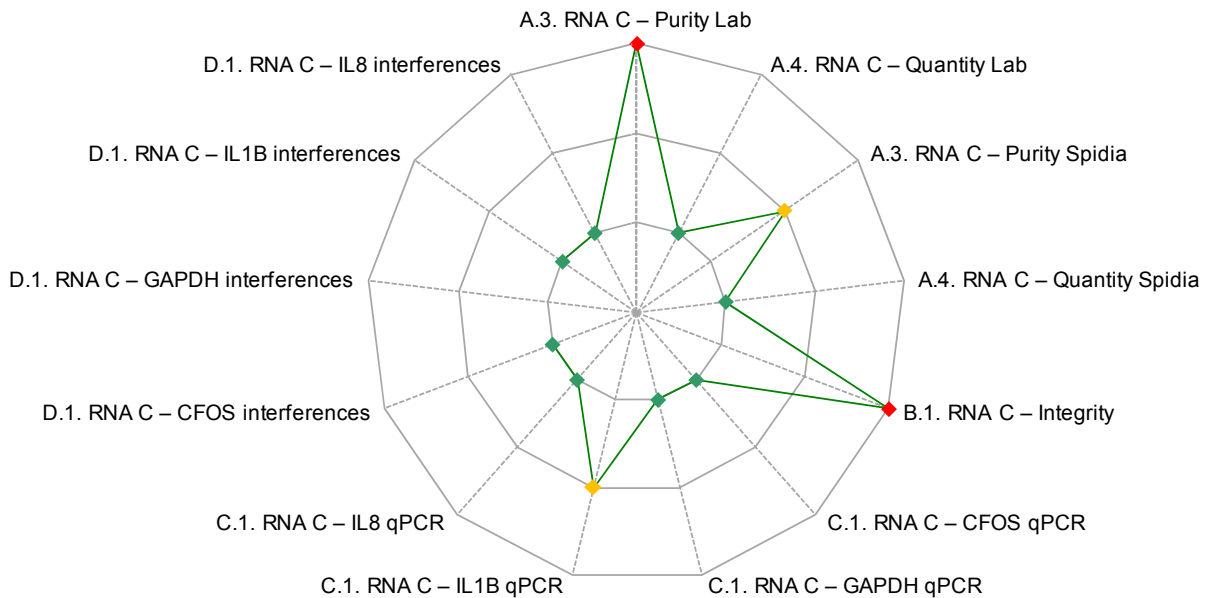
In the figures the two lines represent the two Kineret thresholds for outliers identification: 5.99 (weak outlier) and 9.21 (strong outlier).



Lab ID: XXX – Donor 1

E. Summary

	Performance		Missing	Comments
A.3. RNA C – Purity Lab		out of control		
A.4. RNA C – Quantity Lab	in control			
A.3. RNA C – Purity Spidia		warning		
A.4. RNA C – Quantity Spidia	in control			
B.1. RNA C – Integrity		out of control		
C.1. RNA C – CFOS qPCR	in control			
C.1. RNA C – GAPDH qPCR	in control			
C.1. RNA C – IL1B qPCR		warning		
C.1. RNA C – IL8 qPCR	in control			
D.1. RNA C – CFOS interferences	in control			
D.1. RNA C – GAPDH interferences			missing	The Kineret analysis did not provide any result
D.1. RNA C – IL1B interferences	in control			
D.1. RNA C – IL8 interferences	in control			

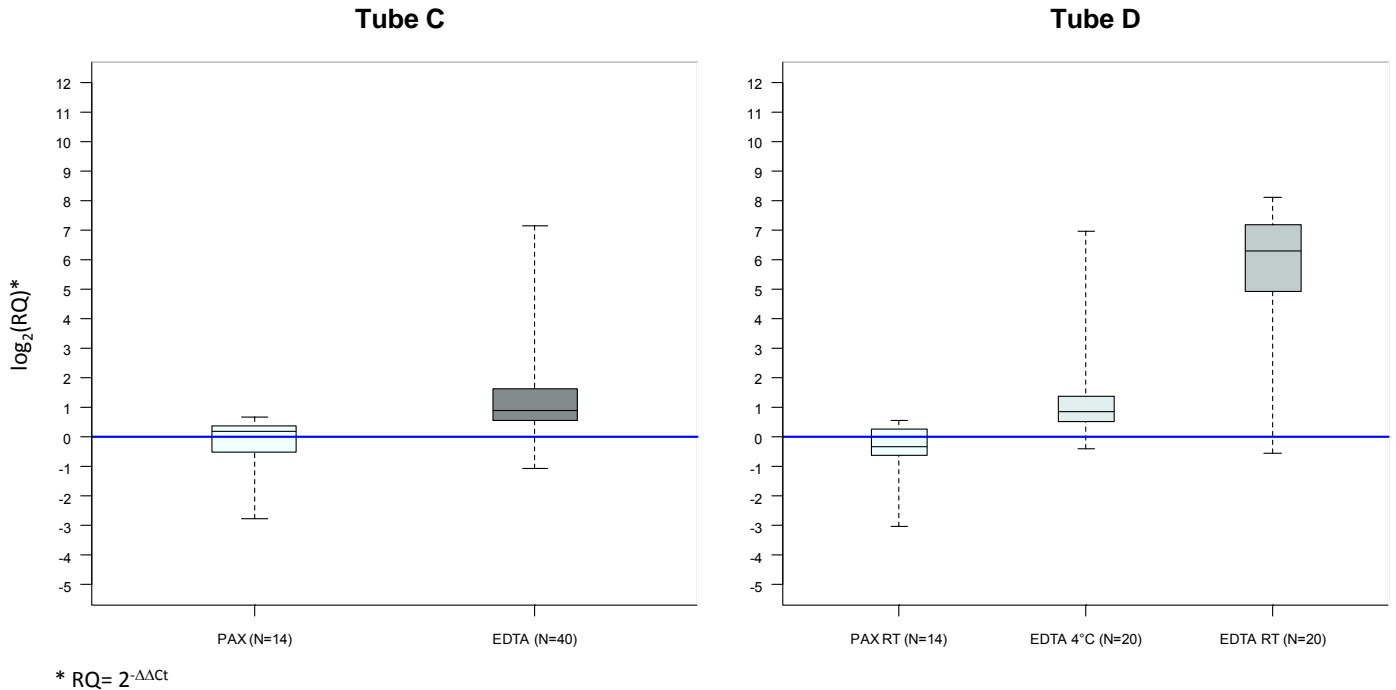


Lab ID: XXX – Donor 1

F. Appendix

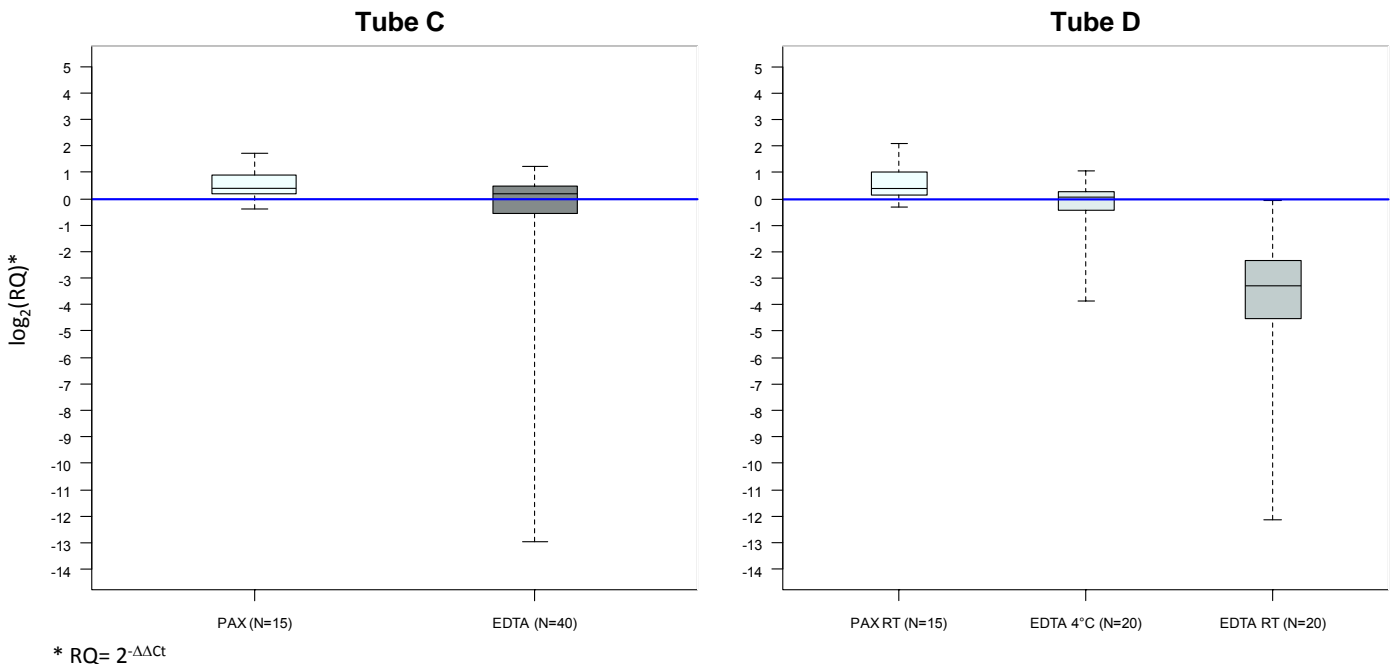
F.1. Relative quantification of the EDTA up-regulated biomarker by real-time PCR

In the figures the horizontal blue line is plotted in correspondence of  $\log_2(RQ) = 0$



F.2. Relative quantification of the EDTA down-regulated biomarker by real-time PCR

In the figures the horizontal blue line is plotted in correspondence of  $\log_2(RQ) = 0$



This report has been produced with the collaboration of the **University of Florence** (M.Pazzagli, S.Gelmini, C.Orlando, L.Simi, F.Malentacchi), **Fondazione IRCCS Istituto Nazionale dei Tumori of Milan** (P.Verderio, S.Pizzamiglio, C.Ciniselli), **QIAGEN** (R.Wyrich, K.Günther, C.Hartmann, H.Ibrahim), **TATAA BIOCENTER** (A.Tichopad) **LABONNET** (T.Bar).