



Supplemental Figure 3. Quinidine exposure in plasma and brain in the microdialysis group.

(A) Area under the curve for unbound quinidine in plasma from 0 to 240 minutes after administration ($AUC_{PLU,0-240}$) at different experimental time points in vehicle and TQD treated animals (n=7-8 animals/group). Time of administration had a significant effect on $AUC_{PLU,0-240}$ in vehicle treated animals ($t(12)=-2.84$, $p=0.014$, t-test), but not in TQD treated animals ($t(13)=-0.79$, $p=0.44$, t-test). (B-C) Quinidine concentration at t=240min in brain tissue relative to plasma AUC ($C_{BR:AUC_{PLU,0-240}}$) at different experimental time points in vehicle (B) and TQD (C) treated animals (n=6-7 animals per group). Time of administration significantly affects this ratio in vehicle treated animals ($t(11)=4.74$, $p=0.0006$, t-test) and to a lesser extent in TQD treated animals ($W=41$, $p=0.002$). Mean±SEM in all graphs. N.s.: not significant; * $p<0.05$; ** $p<0.01$; *** $p<0.001$.