Supplemental Figure 2. Plasma protein binding. (A) Correlation between total and unbound quinidine concentrations in plasma from the brain distribution experiments. There is a strong linear correlation between total and unbound concentrations (r^2=0.953, N=24 samples, p=0.000). (B and C) Effect of tariquidar treatment (B, n=12 samples per group) and experimental time point (C, n=4 samples per group) on the unbound fraction of quinidine in plasma. A two-way ANOVA showed no significant effect of TQD treatment (TQD vs. vehicle: $F(1,17)$=1.70, p=0.21) and of time of administration ($F(5,17)$=2.52, p=0.07). (D) Effect of experimental set-up on the unbound fraction of quinidine in plasma. There is no significant difference in the unbound fraction between brain distribution (projA, n=24 samples) and microdialysis experiments (projB, n=7 samples) ($t(29)$=0.747, p=0.46, t-test). Mean±SEM in all graphs. N.s.: not significant.