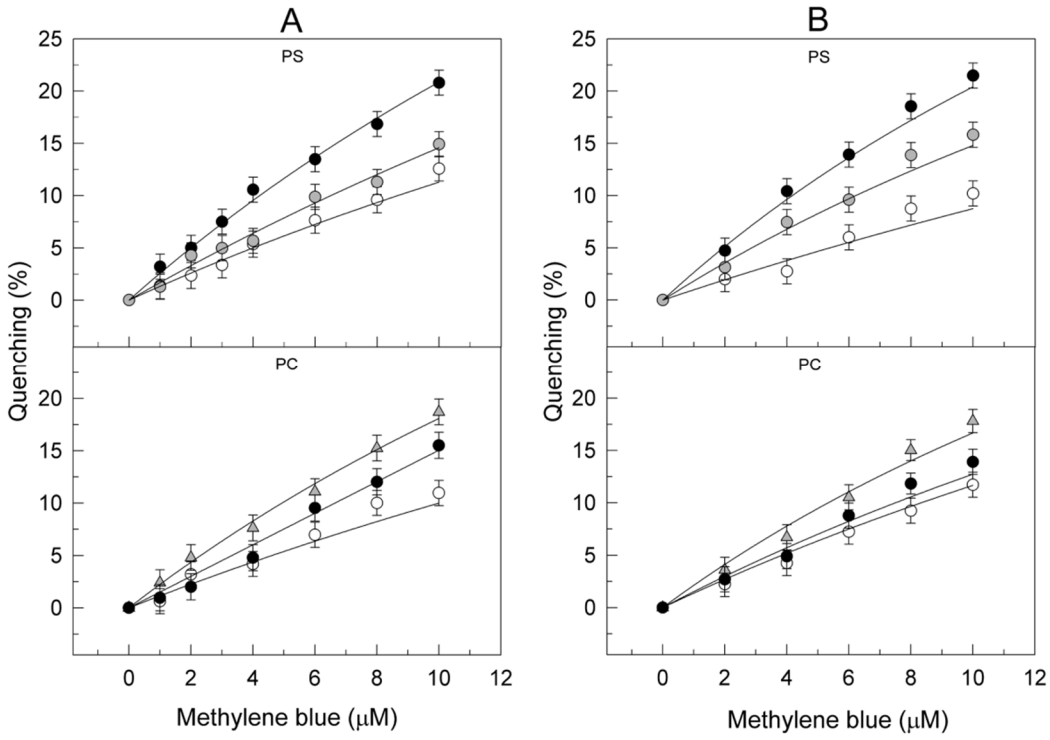

Supplementary Figure 1. Quenching (Q) of the intrinsic fluorescence of PMCA reconstituted in phosphatidylserine (PS) or phosphatidylcholine (PC) by methylene blue (MB) in the absence and presence of tau. (**A**) Purified pig brain PMCA. (**B**) Purified hPMCA4b. PMCA reconstituted in PS, without tau (○) and with 0.1 nM tau (●) or 7.5 nM tau (●). PMCA reconstituted in PC, without tau (○) and with 7.5 nM tau (●) or 100 nM Tau (▲). The lines are the NLS fits to the hyperbolic one-site binding equation: Q = Qmax·[MB]/(*K*d +[MB]), with the K_d values listed in the Table 1. Qmax, the quenching at saturation of MB ranged between 60 and 80% for NLS fits of panels A and B. The results shown are the average ±SE of triplicate experiments.