



**Supplementary Figure 2. Intracellular PIP2 does not prevent P2X1 receptor mediated current run-down in the whole cell configuration.** Addition of PIP2 (5  $\mu$ M) into the pipette-filling solution did not change the rate of run-down of P2X1 receptor currents in the whole cell configuration (n=5). Currents were evoked by application of  $\alpha,\beta$ -meATP (10  $\mu$ M) every 5 minutes. PIP2 (Calbiochem) was dissolved in the internal pipette-filling solution by sonication for 15 min on ice.