



Supplementary Figure 1. ATP but not GTP prevents P2X1 receptor mediated current run-down in the whole cell configuration. Reproducible P2X1 mediated currents evoked by consecutive application of α,β -meATP (10 μ M) were observed in permeabilised patch configuration (n=12), however considerable run-down was seen in the whole cell recording configuration. Addition of GTP (0.5 mM) and/or ATP (5 mM) into the internal solution in whole cell recording configuration decreased current run-down (n=7-10). Addition of GTP (0.5 mM) alone to the internal solution in whole cell configuration had no effect on run-down (n=7-10).