



S1. Effect of removal of extracellular Ca^{2+} in the $[\text{Ca}^{2+}]_i$ response to ATP.

A. 500 μM ATP was applied in normal medium (Tyrode solution containing 1.8 mM Ca^{2+}) or in a low Ca^{2+} medium (0 Ca^{2+} added plus 1 mM EGTA) after 15 min pretreatment with the same medium. Representative average trace of 12 (ATP) and 16 (ATP+0 Ca^{2+}) cells. Bottom panel compares the integrated response (area under the curve for 180 seconds, arbitrary units) and the peak response (DF/F0) of the cells represented in A. *** $p < 0.005$, respect ATP, t test.

B. Representative trace of the ATP response in control cells and in cells loaded with Bapta-AM (20 min, 10 μM). Bottom histogram compares average peak response for treated and control cells. *** $p < 0.005$, t test. $n = 25$ (ATP) and 55 (ATP+Bapta) cells.