**Suppl. Figure S1** **Effect of repeated application of ibuprofen on the degree of acidification. Effects of naproxen and salicylate on cell viability. A.** 10 mM ibuprofen-Na+ was applied to BCECF-loaded Jurkat T cells three times sequentially followed by washes. There was no change in the extent of acidification (F 490 nm/ 440 nm) during repeated application of the drug. **B.** Jurkat T-cell viability was measured after a 24-hour incubation in the absence (control) or presence of 0.3, 3 and 10 mM naproxen-Na+. Each bar represents the percentage of cells (mean, SEM) which excluded trypan blue dye. **C.** Mean Jurkat T-cell viability after a 24-hour incubation in the absence and presence of 0.3, 3 and 10 mM salicylic acid. Asterisks in **B** and **C** indicate significant differences compared to the control (Student’s paired t test).