Supplemental Figure 1 Schematic outline of experimental protocol of single cell $[Ca^{2+}]_i$ recordings of free intracellular calcium $[Ca^{2+}]_i$ in growth hormone producing pituitary adenoma cells. After membrane depolarization with 45 mM KCl for 2 min cells were allowed to re-equilibrate in superfusion buffer for 17 min, then octreotide or SRIF-14 (100 nM in superfusion buffer) was administered for 3 minutes followed by a second depolarization with 45 mM KCl for 2 min still in the presence of octreotide (100 nM) or SRIF-14 (100 nM). From the $[Ca^{2+}]_i$ recordings of each cell the values for (a) initial $[Ca^{2+}]_i$, (b) $[Ca^{2+}]_i$ before first KCl depolarization, (c) peak $[Ca^{2+}]_i$ during first KCl depolarization, (d) $[Ca^{2+}]_i$ before application of control medium, octreotide or SRIF-14, (e) $[Ca^{2+}]_i$ after application of control medium, octreotide or SRIF-14 and $[Ca^{2+}]_i$ before second KCl depolarization and (f) peak $[Ca^{2+}]_i$ during second KCl depolarization were derived. Bars indicate the presence of the respective compounds in the superfusion buffer.