

**Supplemental Figure 4** Representative  $[Ca^{2+}]_i$  tracings of single growth hormone producing pituitary adenoma cells ( $n = 345$  cells from 35 adenoma cell preparations) demonstrating spontaneous  $Ca^{2+}$  transients and  $Ca^{2+}$  oscillations with varying frequency and amplitude and the effects of KCl (45 nM) and octreotide (100 nM). Bars indicate the presence of the respective compounds in the superfusion buffer.  $[Ca^{2+}]_i$ , intracellular free calcium concentration; KCl, KCl (45 nM); Oct; octreotide (100 nM); s, seconds

