



Figure S9. Calcium influx induces mAG-hGem expression and cell division in developing neurons from the CP. Neuron with a leading process and trailing process or axon (arrowhead and arrow respectively, in the time-lapse sequence) in the CP from E19 coronal brain slice (left panels, *in utero* electroporated at E15 with mCherry and mAG-hGem plasmids) express the S/G₂/M marker mAG-hGem (white arrowheads, insets from time-lapse sequence) and divide upon ionomycin treatment (5 μ M). Scale bar: 50 μ m (Left panel) and 10 μ m (time-lapse sequence).