

Table S1. Live cell imaging summary

Imaging sessions	Normal slices	Hours per session	Total # nt cells	EMTs recorded	EMTs: cell tail retraction	EMTs: non-apical mitosis
21	54	13-29	1567	132	95 (C=25, R=3)	37 (div=27)

The 'Total # nt cells' column represents only those dorsal neural tube cells that were labeled and initially visible in the confocal field (not all neural tube cells are labeled by electroporation, resulting in a mosaic pattern of fluorescence expression). In the 'EMTs: cell tail retraction' column, 'C' indicates the number of cell tail retractions that were complete, or 'clean', detachments, and 'R' indicates the number of cell tail retractions that had 'ruptured' cell tails. nt, neural tube; div, divisions.