



Figure 2 – figure supplement 3. Live imaging with high temporal resolution.

(A) Quantification of cell division behaviors during regeneration. The axis of cell division was found to have minimal correlation ($r=0.11$) with local movement, (B) but a moderate correlation with the long axis of the cell ($r=0.50$). (C) Representative movement vectors computed from PIV analysis for a rapid “mover” and a slow “non-mover” region. (D) Cell movement vectors computed from PIV analysis were fit to a von Mises distribution to compute the circular variance. Fast moving cells had a low circular variance (directional), while slow moving cells had a high circular variance (no directional preference). **** $p<0.0001$.