**Additional file 7. Correlation of pH3 and Hoechst mitosis counts and cell cycle expression.** A. pH3 and Hoechst count correlation for 6 EN animals. We find low correlation at all developmental stages. B. Expression of growth zone pH3 and Hoechst in relation to cell cycle progression. Although pH3 is reported to be expressed throughout M-phase (Hendzelm et al., 1997; Giet and Glover, 2001; red line), we find *Thamnocephalus* pH3 to be expressed early in M-phase (red dotted line). By comparison, mitosis counts using Hoechst only score cells in late M-phase.



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