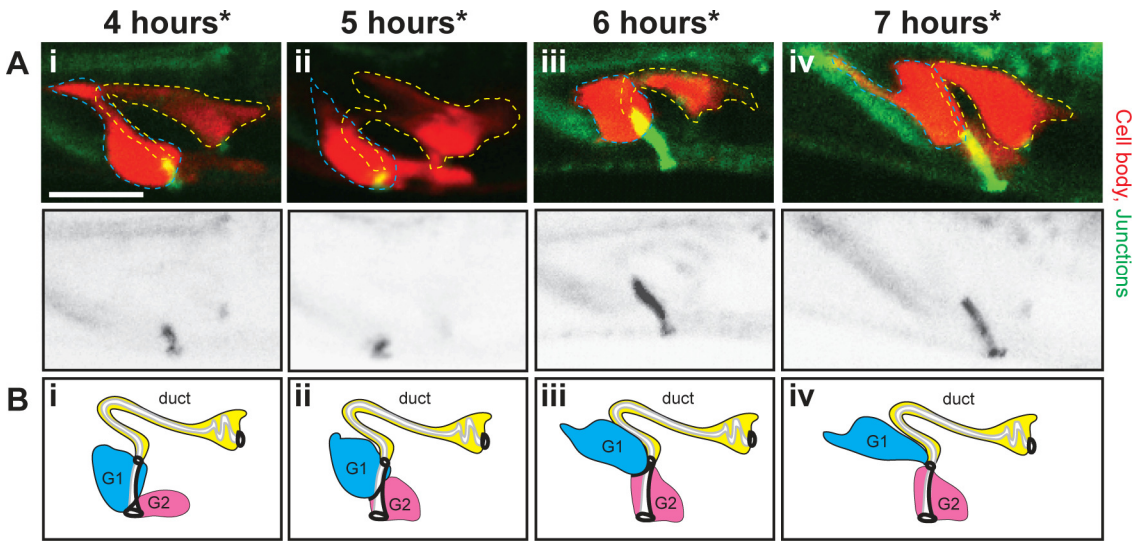

Figure S1: HMR-1/cadherin::GFP localization during G1 delamination and G2 intercalation. (A) Excretory system at 20˚C, but converted to equivalent 25˚C time points* based on seam divisions. Duct and G1 pore cells (outlined) are marked by *dct-5pro::mCherry*, junctions are marked by HMR-1::GFP (shown alone and inverted in lower panels). (B) Schematics as in Fig. 1.

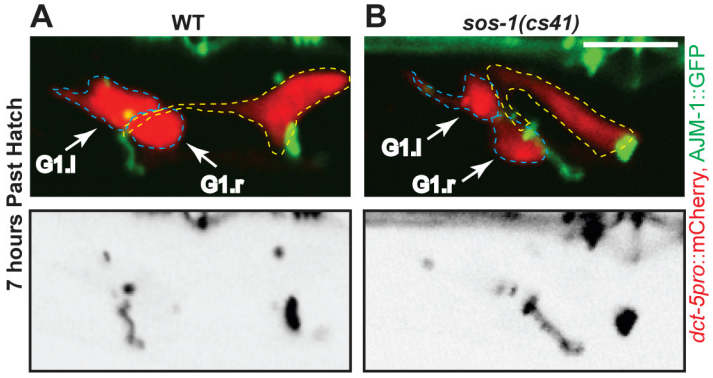

Figure S2: G1 division still occurs in *sos-1(ts)* mutants. Excretory system in (A) WT and (B) *sos-1(cs41ts)* animals at 7 hours past hatch showing the G1 right/left division. Cells

marked as in Fig. 1. In *sos-1(cs41ts),* the G1.l cell detaches while the G1.r cell retains its junction and position in the excretory system.

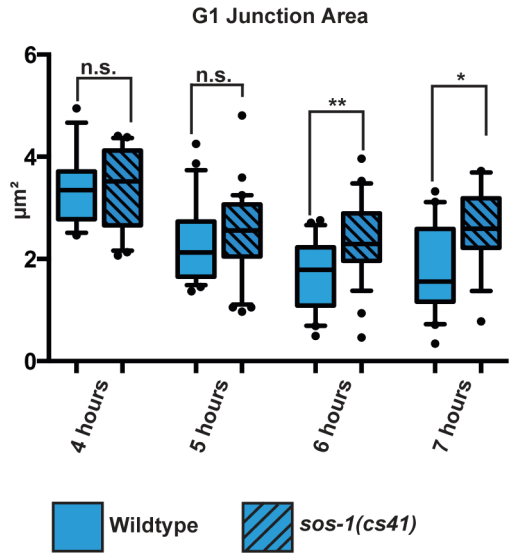

Figure S3: *sos-1* is required for G1 junction loss. Volocity quantification of overlap between G1 cell body and AJ in WT and *sos-1(cs41ts)* at 4-7 hrs. n.s., not significant, * $p < 0.01$, ** $p < 0.001$ by Wilcoxon test.

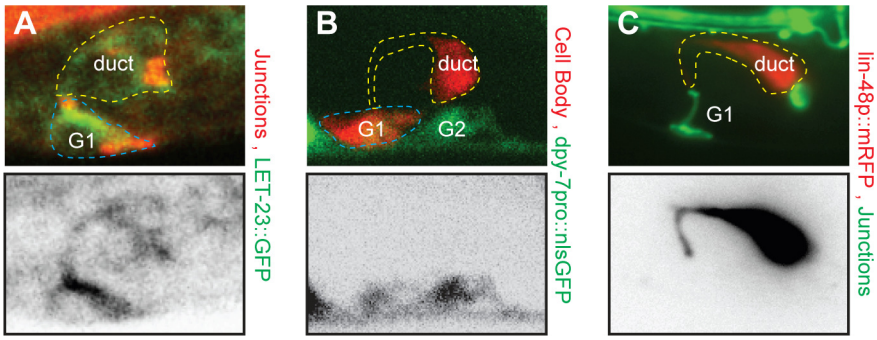

Figure S4: Tissue Specificity of *let-23, dpy-7* and *lin-48*. (A) *gaIs27* (LET-23::GFP) L1 larva immunostained with anti-GFP (green) and anti-DLG-1 (red). LET-23::GFP is present in both cells. (B) *dpy-7pro*::nlsGFP expressed in G1/G2 cells but not duct cell, cell bodies marked by *dct-5pro*::mCherry. (C) *lin-48pro*::mRFP expressed in duct cell but not pore cell, junctions marked by AJM-1::GFP.

Table S1: Alleles and transgenes

Click here to Download Table S1

Table S2: *C. elegans* strains

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Table S3: Plasmids used for transgenic experiments

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