



Figure S11 Montage of Lamin Dm₀ and Don-Juan (where applicable) in testes (A-C through A'''-C''' inclusive; scale bar for A panels is 40 μ M; scale bar for B and C panels is 20 μ M) and salivary glands (D', D'', D'''; scale bar 20 μ M). Normal nuclear rim staining for Lamin Dm₀ is evident in primary spermatocytes and pigment cells (present in all images) of both genotypes (wild type and triple knock-out). Lamin Dm₀ is more diffuse in onion-stage spermatids (B: scale bar is 20 μ M), coincident with the coalescence of mitochondria into Nebenkern (round structures that appear like an onion in cross-section, hence the name onion stage). In part C (scale bar is 20 μ M), Lamin Dm₀ can only be seen localizing to the nuclei of the pigment cells that mark the sheath covering the testes. There is no trace of Lamin Dm₀ in the nuclei of mature spermatids. Normal nuclear rim staining of Lamin Dm₀ is also evident in salivary glands of both genotypes (D panels). All males are 3-4 weeks old and mated, and the montage represents the best pictures pooled from triple knock-out homozygotes and heterozygotes, as they were indistinguishable for Lamin Dm₀ localization.