Supp. Fig. 5  

**a** Paraffin section (stained with hematoxylin and eosin) showing a bud at the swelling stage and ampullae connected to it.  

**b** Electron microscopy showing the presence of basal lamina in areas (1) and (2) of the invaginating epidermis and its absence at the point of fusion (3) where hemoblasts cluster.  

**c** Paraffin sections (stained with hematoxylin and eosin) showing early organogenesis in the inner vesicle (left panel), and later stage where internal organs are visible (right panel).