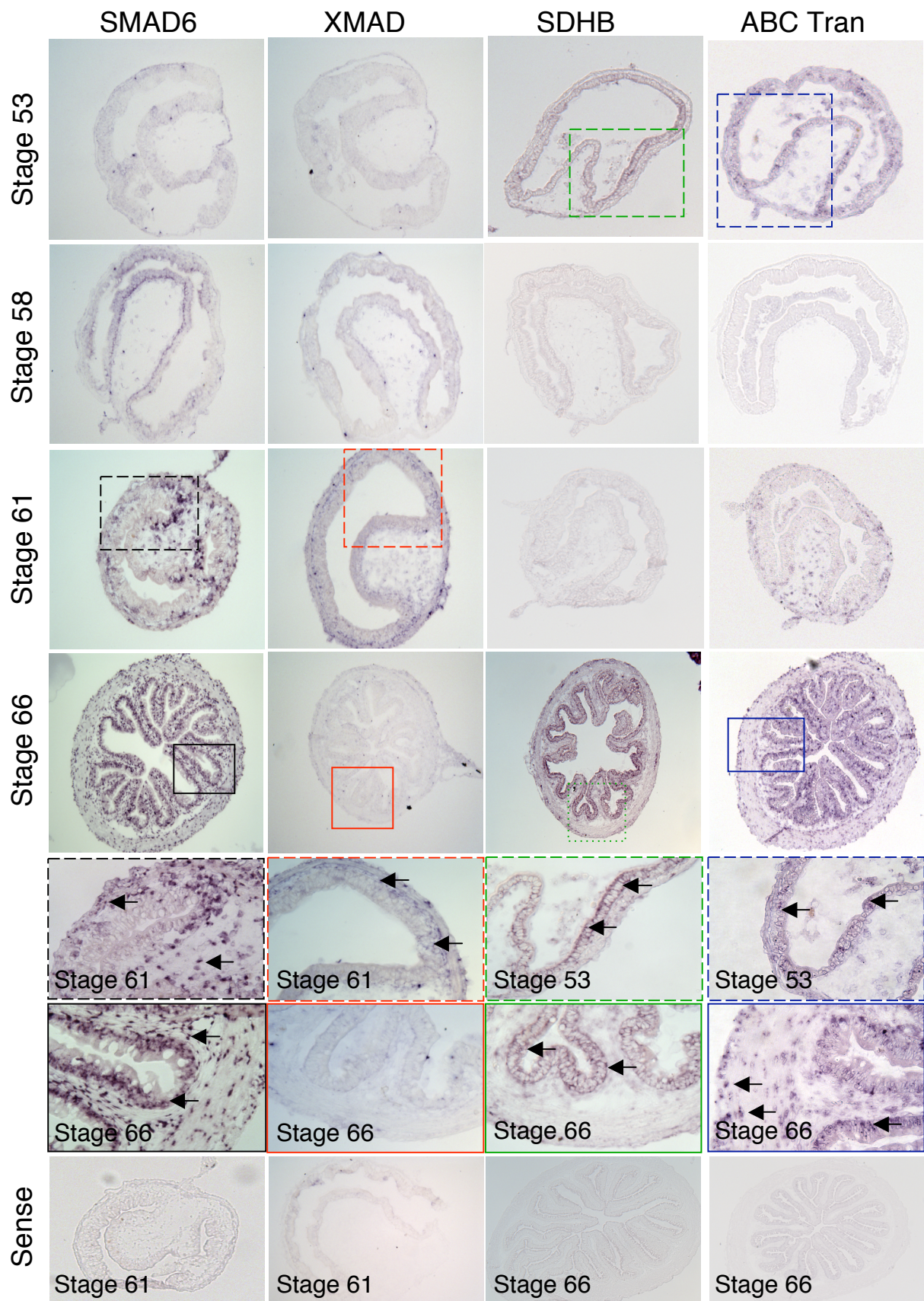




Supplemental Fig 1

- **Supplemental Fig 1S.** The change in mRNA expression of genes from cluster 1 (*SMAD6* and *XMAD*) and cluster 2 (*SDHB* and *ABC Tran*) in the intestine of during metamorphosis. The expression of *SMAD6* and *XMAD* peaks at metamorphosis (stage 61), while the expression of *SDHB* and *ABC Tran* is high at stage 53 and 66, with little or no expression at stage 61. At metamorphic climax, *SMAD6* is expressed in the connective tissue and muscle, while *XMAD* is expressed exclusively in the connective tissue. *SDHB* is exclusively expressed in the epithelium, where its expression is high in the larval epithelium at stage 53. No expression is detected at stage 58 or 61, while the expression of *SDHB* returns in the adult epithelium at stage 66. *ABC Tran* is expressed in all tissue types at the beginning and end of metamorphosis. The bottom panel for each gene represents the negative control with a sense probe.