

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: **Differential expression analysis of regenerating control and *bmp4* RNAi animals.** The data provided here are calculated using the nbimontest function in DESeq. This is a one tailed binomial test. The padj column uses the Benjamini-Hochberg procedure to adjust for multiple tests.

File Name: Supplementary Data 2

Description: **Accession numbers of proteins with similar structure analyzed in the phylogenetic tree.**

File Name: Supplementary Data 3

Description: **Differential expression analysis of regenerating control and *equinox* RNAi animals.** The data provided here are calculated using the nbimontest function in DESeq. This is a one tailed binomial test. The padj column uses the Benjamini-Hochberg procedure to adjust for multiple tests.