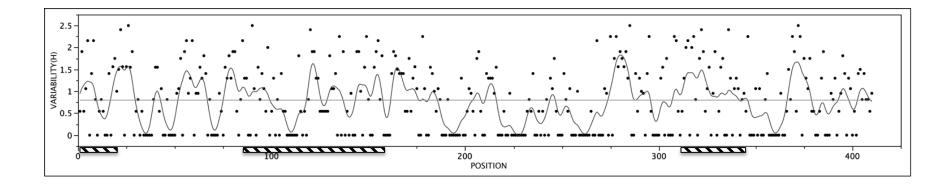
Supplemental Figure 2



Supplemental Figure 2. Plot of conservation of GOT1 proteins from arthropods with divergent regions of *T. californicus GOT1p1/2* highlighted. The dots show the Shannon entropy H values for each amino acid position over the alignment of arthropod GOT1 proteins (with two vertebrates as well). Lower values indicate lower diversity (i.e. higher conservation). A cubic spline curve was fitted to the data with a lambda of 11 to highlight regions of higher conservation. Hatched bars under the x-axis show the regions of higher divergence between paralogs. In addition to the two *T. californicus GOT1p1/2* proteins, the following proteins were included: ACO15246 cytAAT Caligus clemensi, ACO11819 cytAAT Lepeophtheirus salmonis, ACN51888 cytAAT Daphnia magna, NP725534 GOT1B D melanogaster isoA, GNO 342583 Dpulex cytAAT Daphnia pulex, XP 313023 Anopheles gambiae, NP002070 cytAAT Homo sapiens, XP969549 cytAAT Tribolium castaneum, and AAH45269 Xenopus laevis.