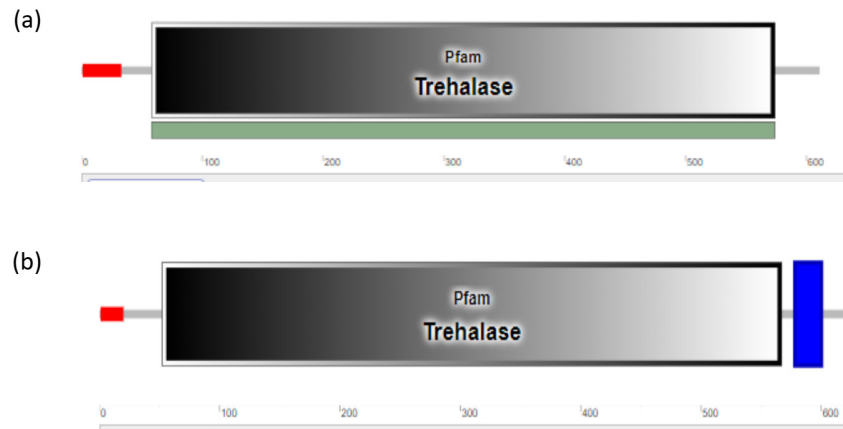# Supplementary Materials

Supplement Figure 1. The protein domain architecture of trehalase genes of *L. vannamei* was predicted by SMART online program (http://smart.embl-heidelberg.de/). (a) *LvTre1*, (b) *LvTre2*.

Supplement Figure 2. The alternative splicing of GFATs in two shrimp *L. vannamei* and *P. monodon*.