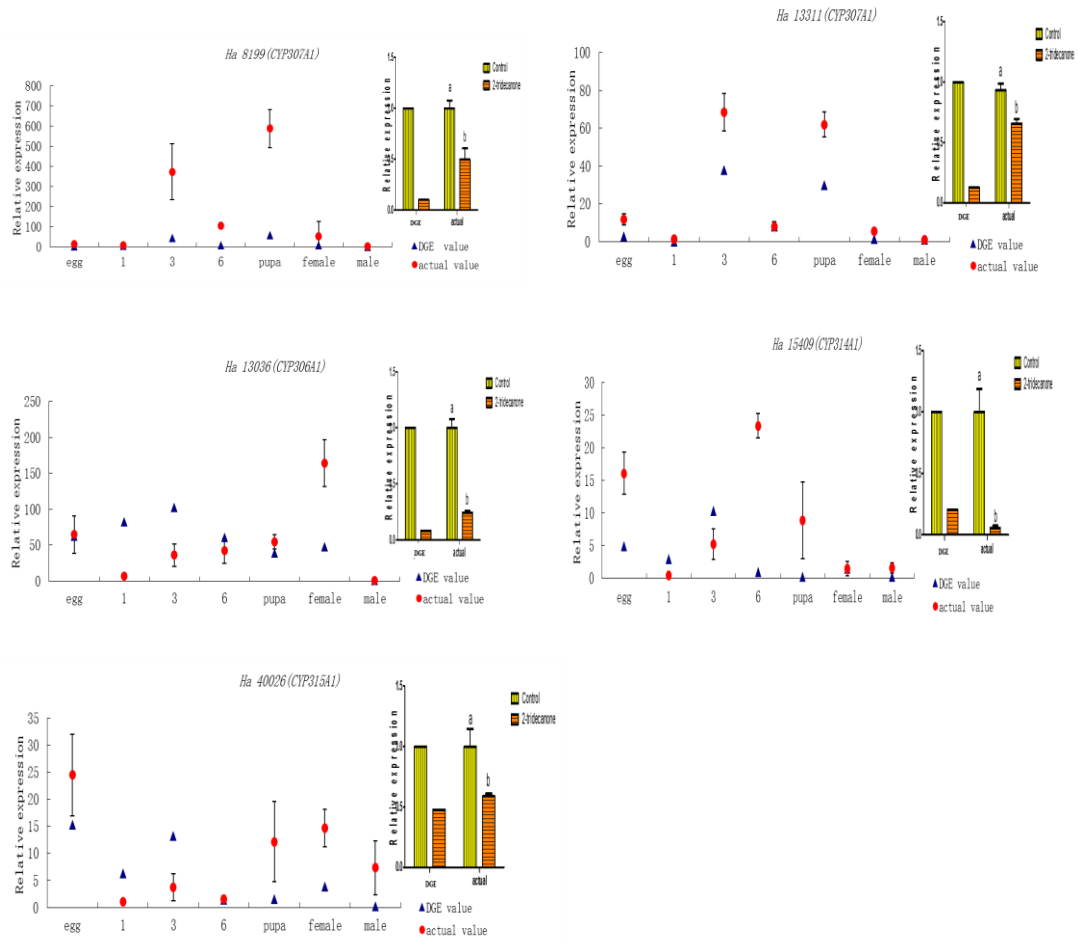
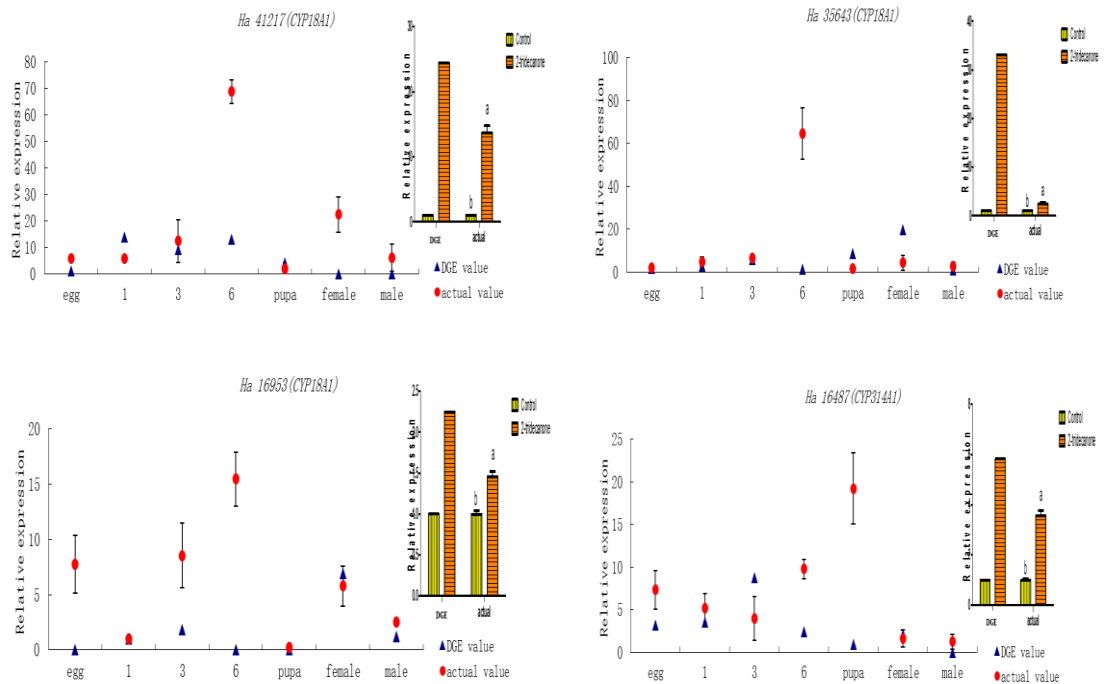


A: Down-regulated



B: Up-regulated



C: Invariable

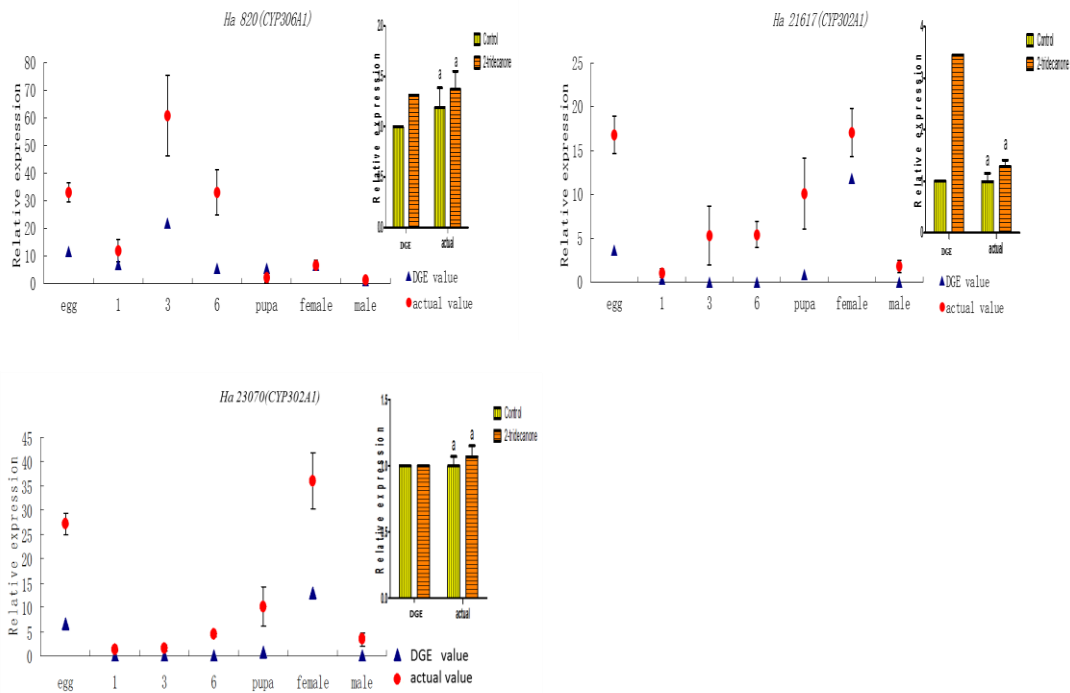


Fig. S5 Validation of hormone-regulated P450 genes expression by Real Time qPCR. (A) hormone-regulated P450 genes which were down-regulated by 2-TD. (B) hormone-regulated P450 genes which were up-regulated by 2-TD. (C) hormone-regulated P450 genes which were not significant inducible by 2-TD. 1st: first-instar larvae; 3rd: third-instar larvae; 6th: sixth-instar larvae; Control: sixth-instar larvae not treated with 2-tridecanone; 2-tridecanone: sixth-instar larvae treated with 10mg/g (w:w) 2-tridecanone for 24 hours. DGE values represent the expression of P450 unigene in DGE library; actual values represent the P450 unigene expression by qPCR. Statistical analyses were performed using GraphPad Prism 5.0 software. Statistical significance was determined using a Student's t-test, and p values less than 0.05 were considered as statistically significant. In each unigenes diagram, bars sharing the same letter in each group are not significantly different at $P > 0.05$.