

Supplemental Materials

Supplemental Figure 1. ClustalW amino acid sequence alignment among mosquito carboxypeptidases showing chemically-related amino acids in the same color. The numbering of the residues in the alignment is according to domain 2 of human procarboxypeptidase A2 (PDB code: 1AYE). Residues involved in zinc metal binding, disulfide bridge formation, and enzymatic catalysis are labeled. An amino acid residue at the position 255 that differentiates carboxypeptidase A from B enzymatic activity is indicated by an asterisk.

Supplemental Figure 2. ClustalW nucleotide sequence alignment among mosquito carboxypeptidases using the corresponding protein coding sequences used in supplemental figure 1. Nucleotides are color coded.

Supplemental Table 1. Gene-specific primers used for real-time PCR.