

**Molecular Cloning a Chymotrypsin cDNA from the Mulberry
Longicorn Beetle, *Apriona germari***

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We have cloned a cDNA encoding the chymotrypsin from the mulberry longicorn beetle, *Apriona germari*. In this report, the cloning, sequencing and mRNA expression of an *A. germari* chymotrypsin cDNA are described. The *A. germari* chymotrypsin cDNA contains an open reading frame of 849 bp encoding 283 amino acid residues. The predicted molecular mass for *A. germari* chymotrypsin was approximately 31 kDa. The deduced amino acid sequence of the *A. germari* chymotrypsin cDNA is similar to insect chymotrypsins known. Northern blot analysis revealed that the *A. germari* chymotrypsin showed midgut-specific expression. Southern blot analysis of the genomic DNA suggested the *A. germari* chymotrypsin was a single gene.