

ANALYSIS OF GENE EXPRESSION IN THE TERMITE *COPTOTERMES
GESTROI* (ISOPTERA: RHINOTERMITIDAE).

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Coptotermes gestroi is a severe pest termite introduced in the southeast region of Brazil. This species establish its colony underground compromising the whole building structure, being responsible for million-dollar damages in the urban area. To date, very little is known about the molecular aspects of this species and this knowledge is essential to face it, as a pest, or to employ it, as a provider of enzymes for biotechnology. The main objective of this study was to prospect genes expressed by this specie. To do that, a cDNA library of the worker's heads of *C. gestroi* was produced and 993 sequences were obtained and assembly by CAP3 into 136 contigs and 60 singlets. A hundred ESTs had similarity with known sequences. Here we report the identification and interpretation of several sequences that appear to be potentially involved in a number of important biological processes or could be used in biotech.