

FAMILY 6 CYTOCHROME P450 OXIDASES IN HEAD AND BODY LICE

William Brogdon, G. Groner & A. Sulka

Entomology Branch F-22, Division of Parasitic Diseases

National Center for Infectious Diseases, Centers for Disease Control and Prevention

Atlanta, Georgia 30341

Sequences of cytochrome P450 oxidases from head and body lice were obtained for the downstream reductase binding site region of the gene. These sequences were used in subsequent fluorescence PCR analysis of oxidase expression in the lice. Technical details of the experimental protocols and potential application to studies of insecticide resistance and population biology will be discussed.