

Secretion of Salivary Proteins: Role in Suppression of Direct and Indirect Plant Defences

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Noctuid caterpillars such as *Helicoverpa zea* secrete massive amounts of salivary proteins during feeding. We found that these protein mixtures play important roles in suppressing the induced responses of their host plants. Using immunoassay we provide quantitative information on the secretion of these proteins. In previous work we have characterized a glucose oxidase as a major salivary enzyme responsible for suppressing host defences. Here we provide new evidence that saliva is comprised of complementary proteins that function in evading host defences.