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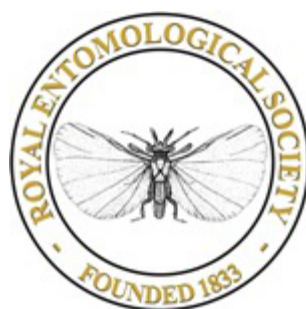
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Gene duplication and subsequent functional diversification of sucrose hydrolase in *Papilio xuthus*

Sucrose is the main product of photosynthesis in plants, providing a rich carbon and energy source for the physiological growth of insects. In *Papilio xuthus*, sucrose hydrolase (SH) is a key enzyme in the sucrose metabolism pathway. The SH gene family has expanded in *P. xuthus* through gene duplication and subsequent functional diversification. This study provides insight into the evolution of the SH gene family and its role in sucrose metabolism in *P. xuthus*.
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