

**P-017: PRODUCT PROFILE CHARACTERIZATION OF A *PONCIRUS*
OXIDOSQUALENE CYCLASE**

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Oxidosqualene cyclases (OSCs) convert oxidosqualene to cyclic triterpenoid metabolites. Over a hundred triterpene skeletons have been isolated to date, and new structures continue to be found. An oxidosqualene cyclase gene presented in this work has been cloned from the orange plant *Poncirus trifoliata*. The gene encodes an enzyme that lacks orthologs among the characterized cyclases. The phylogenetic position of this enzyme will be presented along with the characterization of its products.