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Projects

Former Projects

Untersuchung des sekundären Metaboloms eines nicht beschriebenen russoloiden Basidiomyceten
Details

Publications

Braesel J, Fricke J, Schwenk D, Hoffmeister D (2017) Biochemical and genetic basis of orsellinic acid biosynthesis and prenylation in a stereaceous basidiomycete. *Fungal Genet Biol* 98, 12-19. Details PubMed

Schwenk D, Brandt P, Blanchette RA, Nett M, Hoffmeister D (2016) Unexpected Metabolic Versatility in a Combined Fungal Fomannoxin/Vibralactone Biosynthesis. *J Nat Prod* 79(5), 1407-1414. Details PubMed

Shah F, Schwenk D, Nicolás C, Persson P, Hoffmeister D, Tunlid A (2015) Involutin Is an Fe3+ Reductant Secreted by the Ectomycorrhizal Fungus *Paxillus involutus* during Fenton-Based Decomposition of Organic Matter. *Appl Environ Microbiol* 81(24), 8427-8433. Details PubMed

Schwenk D, Nett M, Dahse HM, Horn U, Blanchette RA, Hoffmeister D (2014) Injury-induced biosynthesis of methyl-branched polyene pigments in a white-rotting basidiomycete. *J Nat Prod* 77(12), 2658-2663. Details PubMed

Elliott CE, Callahan DL, Schwenk D, Nett M, Hoffmeister D, Howlett BJ (2013) A gene cluster responsible for biosynthesis of phomenoic acid in the plant pathogenic fungus, *Leptosphaeria maculans*. *Fungal Genet Biol* 53, 50-58. Details PubMed

Forseth RR, Amaike S, Schwenk D, Affeldt KJ, Hoffmeister D, Schroeder FC, Keller NP (2013) Homologous NRPS-like gene clusters mediate redundant small-molecule biosynthesis in Aspergillus flavus. *Angew Chem Int Ed Engl* 52(5), 1590-1594. Details PubMed

Fernandez-Fueyo E, Ruiz-Dueñas FJ, Ferreira P, Floudas D, Hibbett DS, Canessa P, Larrondo LF, James TY, Seelenfreund D, Lobos S, Polanco R, Tello M, Honda Y, Watanabe T, Watanabe T, Ryu JS, San RJ, Kubicek CP, Schmoll M, Gaskell J, Hammel KE, St John FJ, Vanden Wymelenberg A, Sabat G, Splinter BonDurant S, Syed K, Yadav JS, Doddapaneni H, Subramanian V, Lavín JL, Oguiza JA, Perez G, Pisabarro AG, Ramirez L, Santoyo F, Master E, Coutinho PM, Henrissat B, Lombard V, Magnuson JK, Kües U, Hori C, Igarashi K, Samejima M, Held BW, Barry KW, LaButti KM, Lapidus A, Lindquist EA, Lucas SM, Riley R, Salamov AA, Hoffmeister D, Schwenk D, Hadar Y, Yarden O, de Vries RP, Wiebenga A, Stenlid J, Eastwood D, Grigoriev IV, Berka RM, Blanchette RA, Kersten P, Martinez AT, Vicuna R, Cullen D (2012) Comparative genomics of *Ceriporiopsis subvermispora* and *Phanerochaete chrysosporium* provide insight into selective ligninolysis. *Proc Natl Acad Sci U S A* 109(14), 5458-5463. Details PubMed