

Supplementary Material

Table S1: Biosynthetic gene clusters found in the genome of *Malbranchea zuffiana* CBS 219.58 previously reported in other fungi

Compound	Species	Biosynthetic class	Similarity (%)
Equisetin	<i>Fusarium heterosporum</i>	NRP + Polyketide	18
Choline	<i>Aspergillus nidulans</i> FGSC A4	NRP	100
Trypacidin	<i>Aspergillus fumigatus</i> Af293	Polyketide	35
Enniatin	<i>Fusarium equiseti</i>	NRP	100
Griseofulvin/epidechlorigriseofulvin/norlichexanthone/dehydrogriseofulvin/4-desmethylgriseofulvin/griseoxanthone B	<i>Penicillium aethiopicum</i>	Polyketide	9
Chaetoglobosin P/chaetoglobosin K/chaetoglobosin A	<i>Discosia rubi</i>	Alkaloid	25
Trichobrasilenol/xylarenic acid B/brasilane A/brasilane F/brasilane E/brasilane D	<i>Annulohypoxylon truncatum</i>	Terpene	40
Squalestatin	<i>Aspergillus</i> sp. Z5	Terpene	40
Epichloenin A	<i>Epichloe festucae</i>	NRP	100
HEx-pks23	<i>Endocarpon pusillum</i> Z07020	Polyketide	33
Clavric acid	<i>Hypholoma sublateritium</i>	Terpene	100
Solanapyrone A	<i>Ascochyta rabiei</i>	Polyketide	40
Communesin A/communesin B/communesin C/communesin D/communesin E/communesin G/communesin H	<i>Penicillium expansum</i>	Polyketide	25

NRP; Nonribosomal peptide

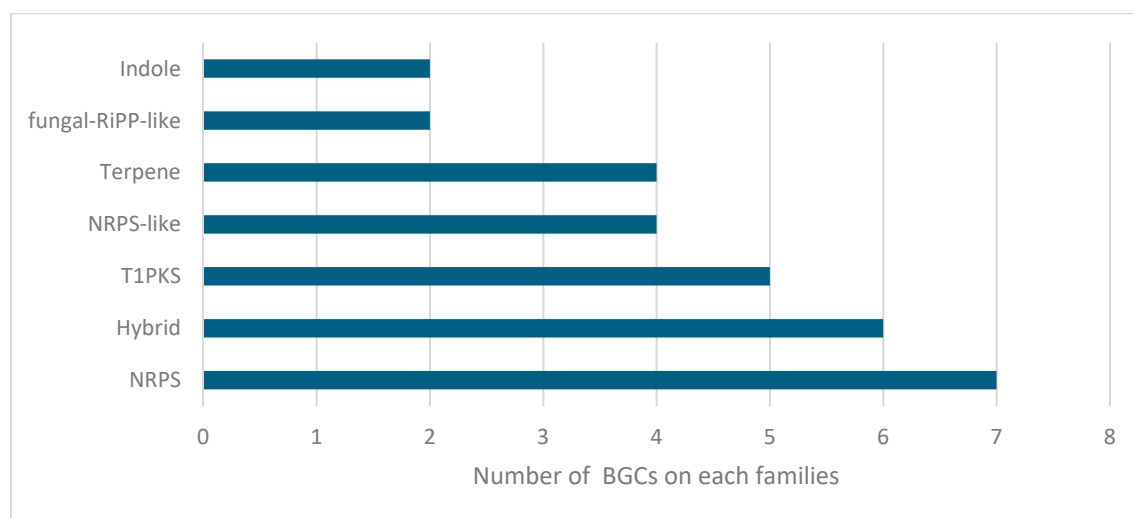


Imagen S1. Identified biosynthesis gene clusters (BGCs) in *Malbranchea zuffiana* CBS 219.58. (NRPS) non-ribosomal peptide synthetase clusters, (T1PKS) type 1 polyketide synthase clusters, (fungal-RiPP-like) Fungal post-translationally modified peptide product-like and (NRPS-like) non-ribosomal peptide synthetase-like cluster.