Additional File 12: Comparative genomic analysis and synteny for aurovertin, elymoclavine/ergovaline related compound, terpendole E/lolitrem related compound, and xenolozoyenone related compound BGCs.

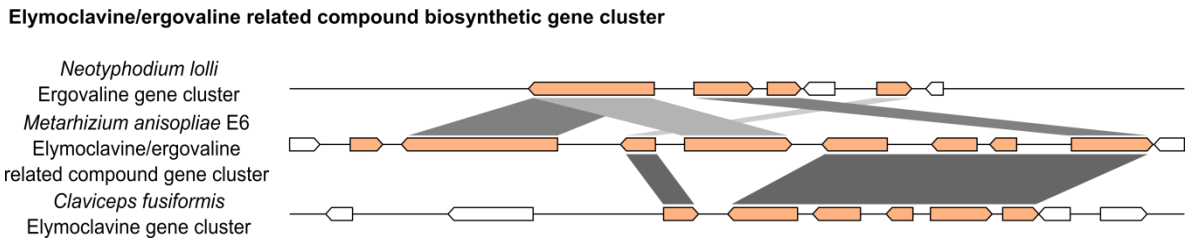

Figure 1: Comparative genomic analysis and synteny for elymoclavine/ergovaline related compound BGC (MaIND-NRPS1).

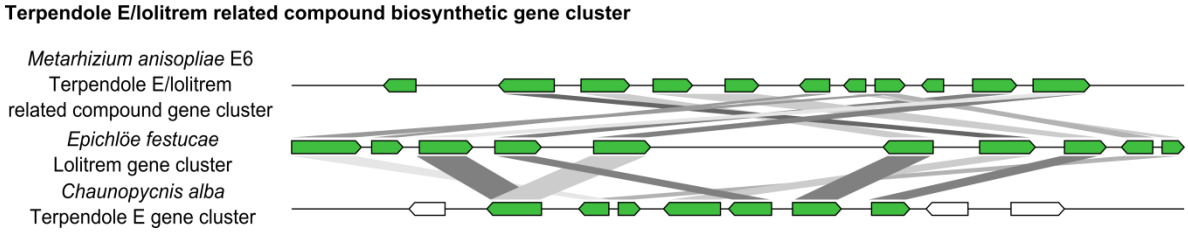

Figure 2: Comparative genomic analysis and synteny for terpendole E/lolitrem related compound BGC (MaIND-TERP1).

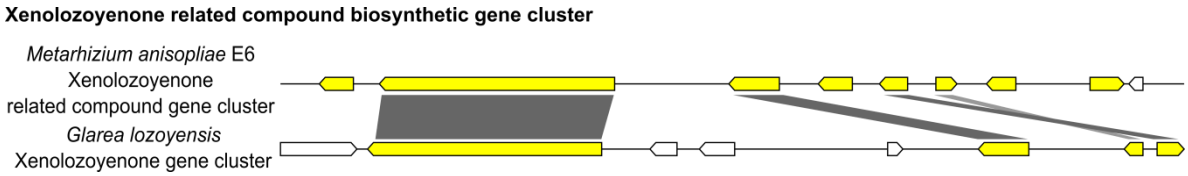

Figure 3: Comparative genomic analysis and synteny for xenolozoyenone related compound BGC (MaNRPS-PKS3).

Table 1*: Identity between aurovertin BGC from *C. arbuscula* and the putative aurovertin BGC (MaPKS2) from *M. anisopliae*.

***C. arbuscula* gene**	***M. anisopliae* gene**	**Identity**
aurA	MANI_004781	77%
aurB	MANI_004840	76 %
aurC	MANI_026083	77 %
aurD	MANI_026090	71 %
aurE	MANI_026098	53 %
aurF	MANI_120612	40%
aurG	x	x

*No nucleotide sequence found for aurovertin BGC from *C. arbuscula,* not allowing synteny analysis.