

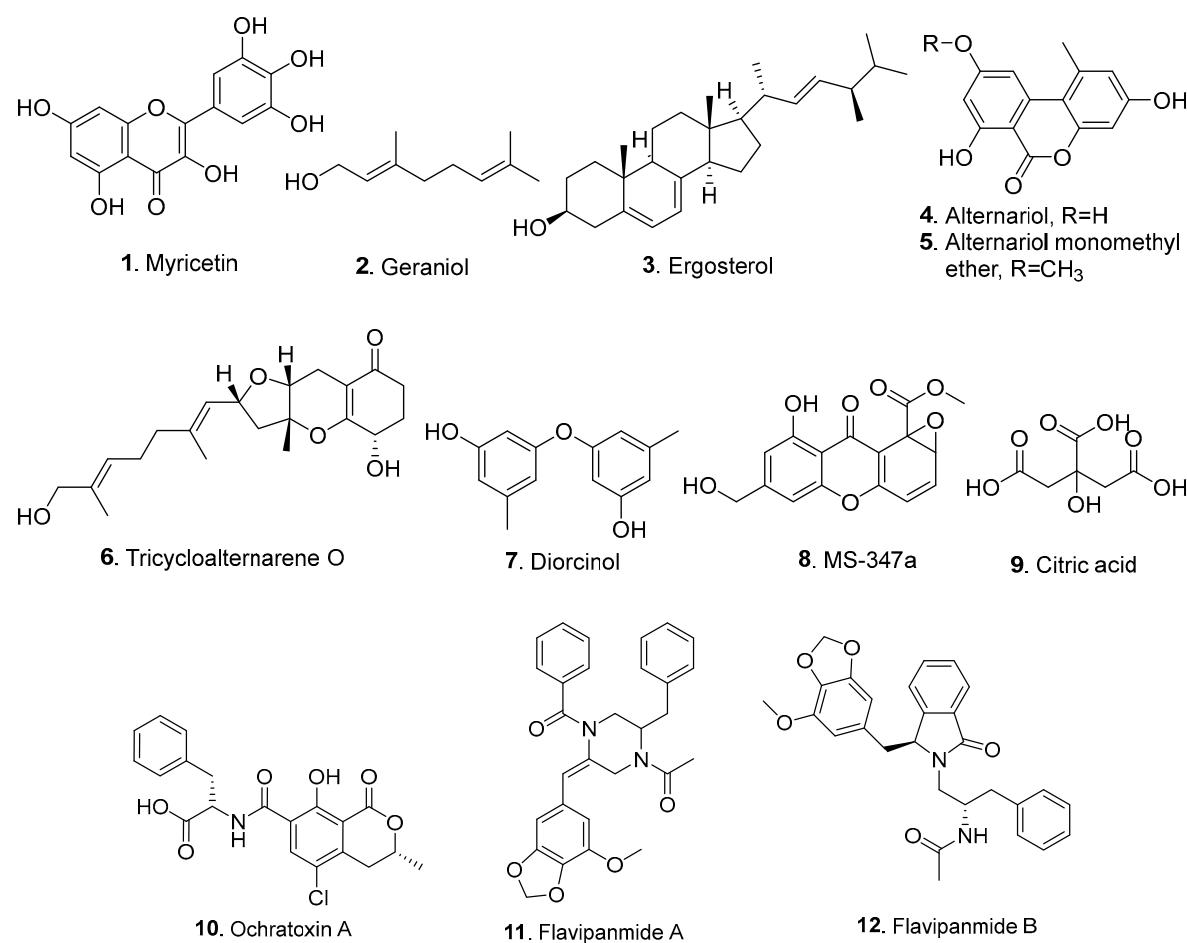
Supplementary Materials:

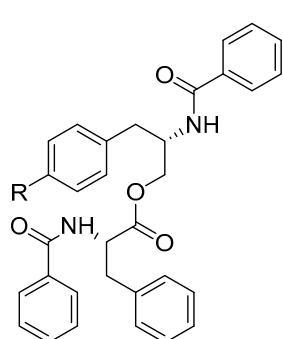
Invovement of LaeA and Velvet Proteins in Regulating the Production of Mycotoxins and Other Fungal Secondary Metabolites

Xuwen Hou, Liyao Liu, Dan Xu, Daowan Lai, and Ligang Zhou *

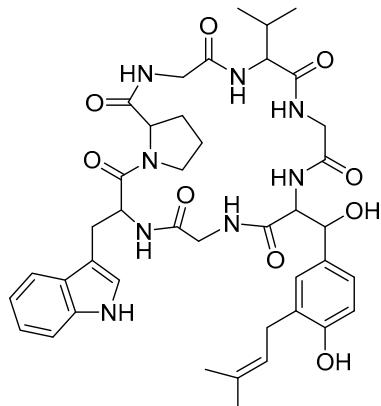
Department of Plant Pathology and MOA Key Lab of Pest Monitoring and Green Management, College of Plant Protection, China Agricultural University, Beijing 100193, China; xwhou@cau.edu.cn (X.H); lyliu@cau.edu.cn (L.L); cauxudan@cau.edu.cn (D.X.); dwlai@cau.edu.cn (D.L.)

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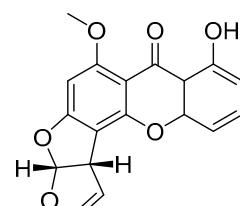




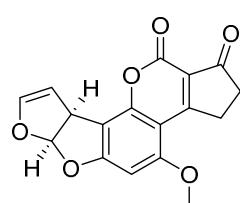
13. Asperphenamate, R=H
14. 4'-OMe-Asperphenamate, R=OCH₃



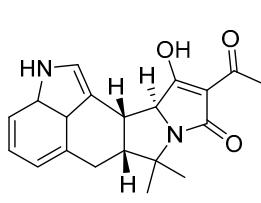
15. Cyclic Pro-Gly-Val-Gly-Try
 (8-OH, 3-prenyl)-Gly-Trp



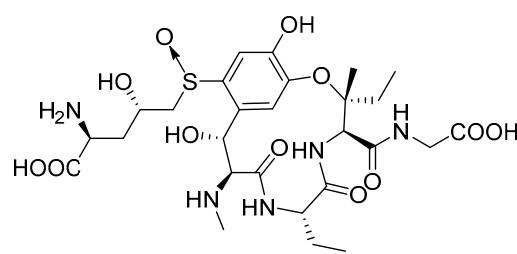
16. Sterigmatocystin



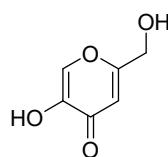
17. Aflatoxin B1



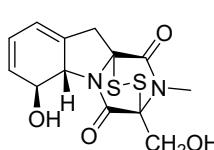
18. Cyclopiazonic acid



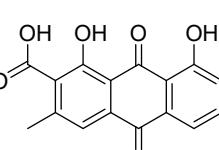
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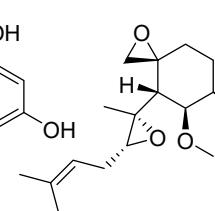
20. Kojic acid



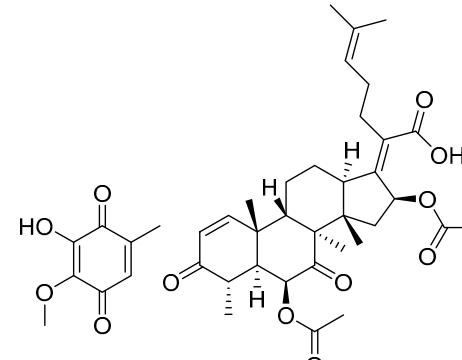
21. Gliotoxin



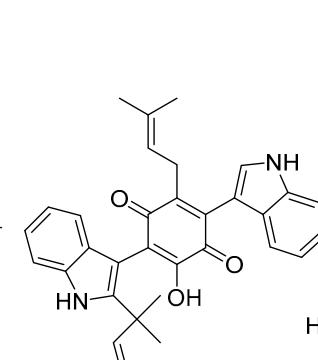
22. Endocrocin



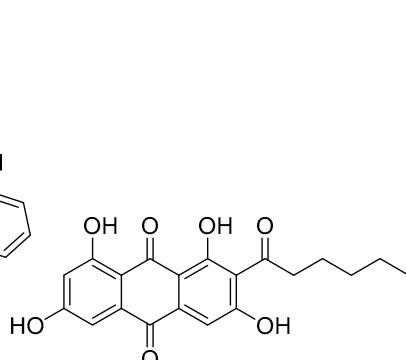
23. Fumagillin



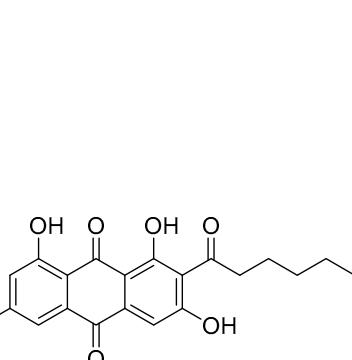
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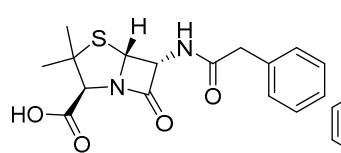
25. Helvolic acid



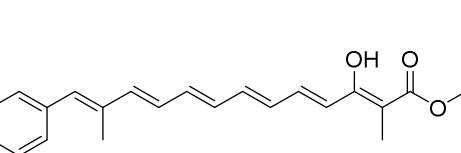
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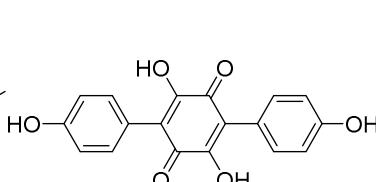
27. Norsolorinic acid



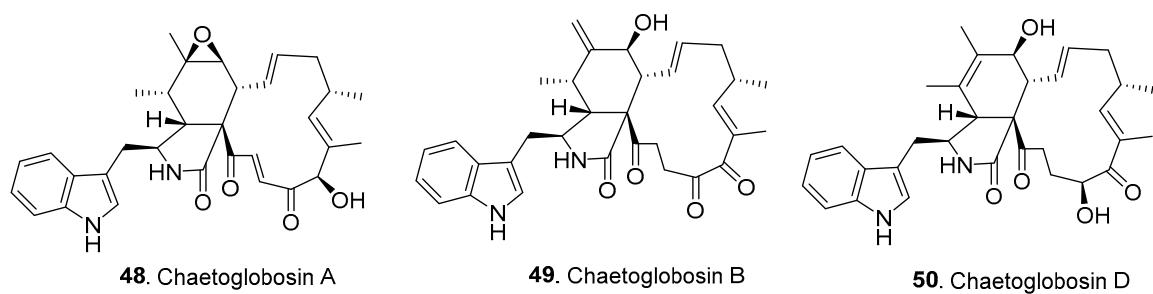
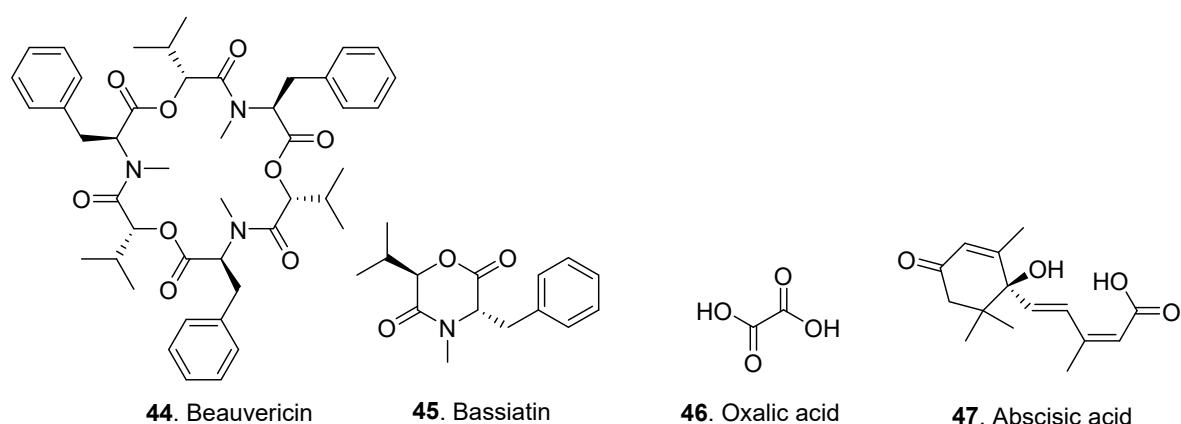
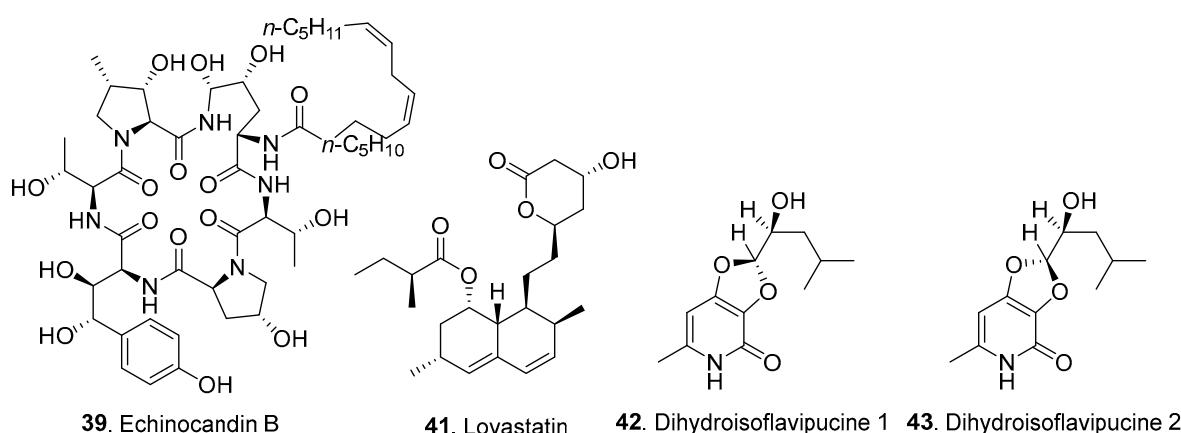
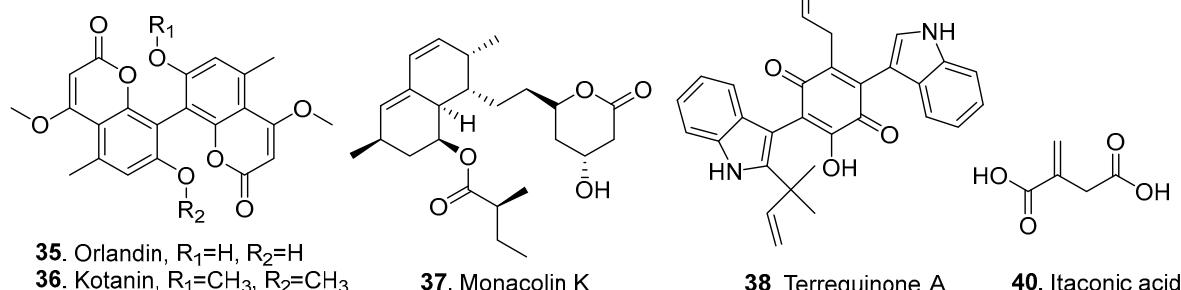
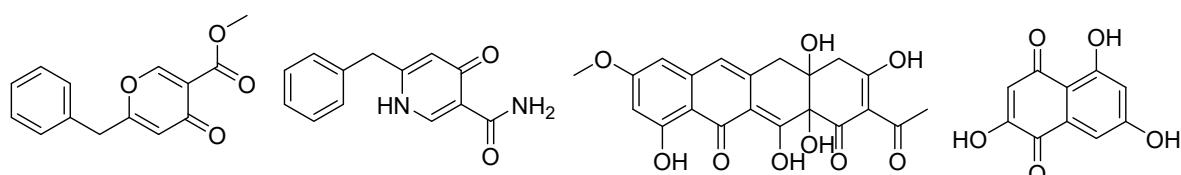
28. Penicillin G

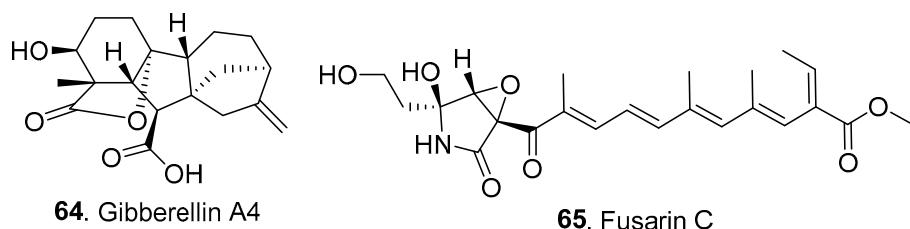
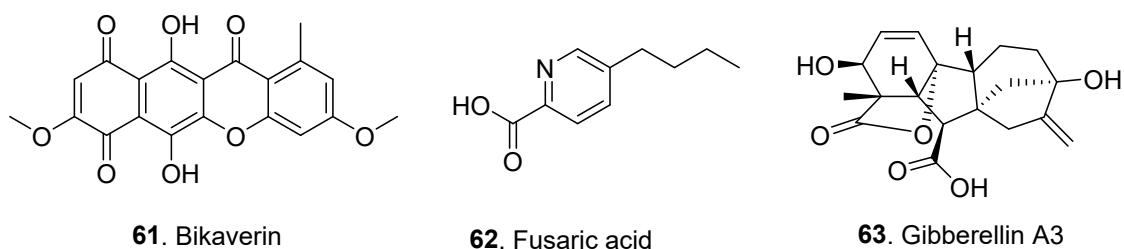
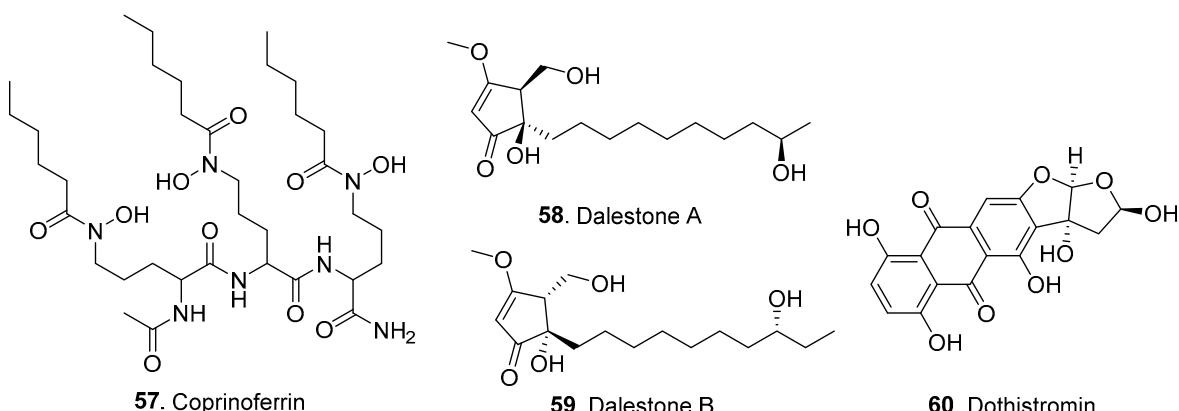
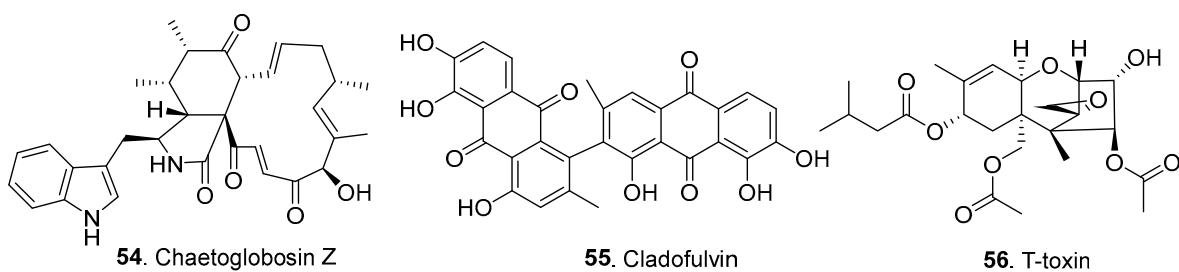
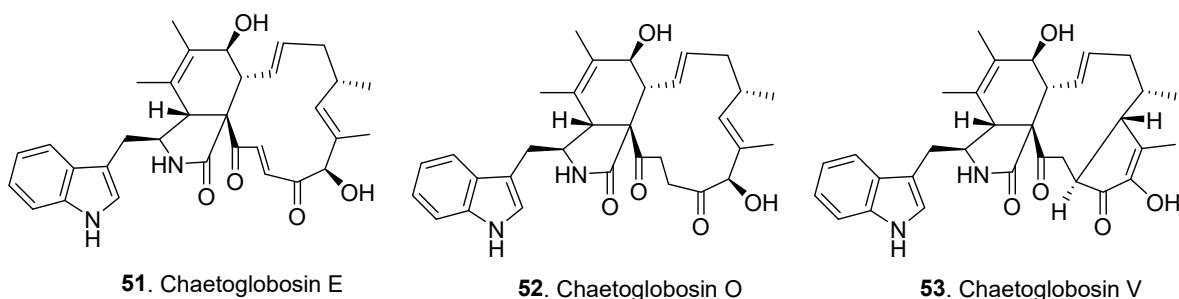


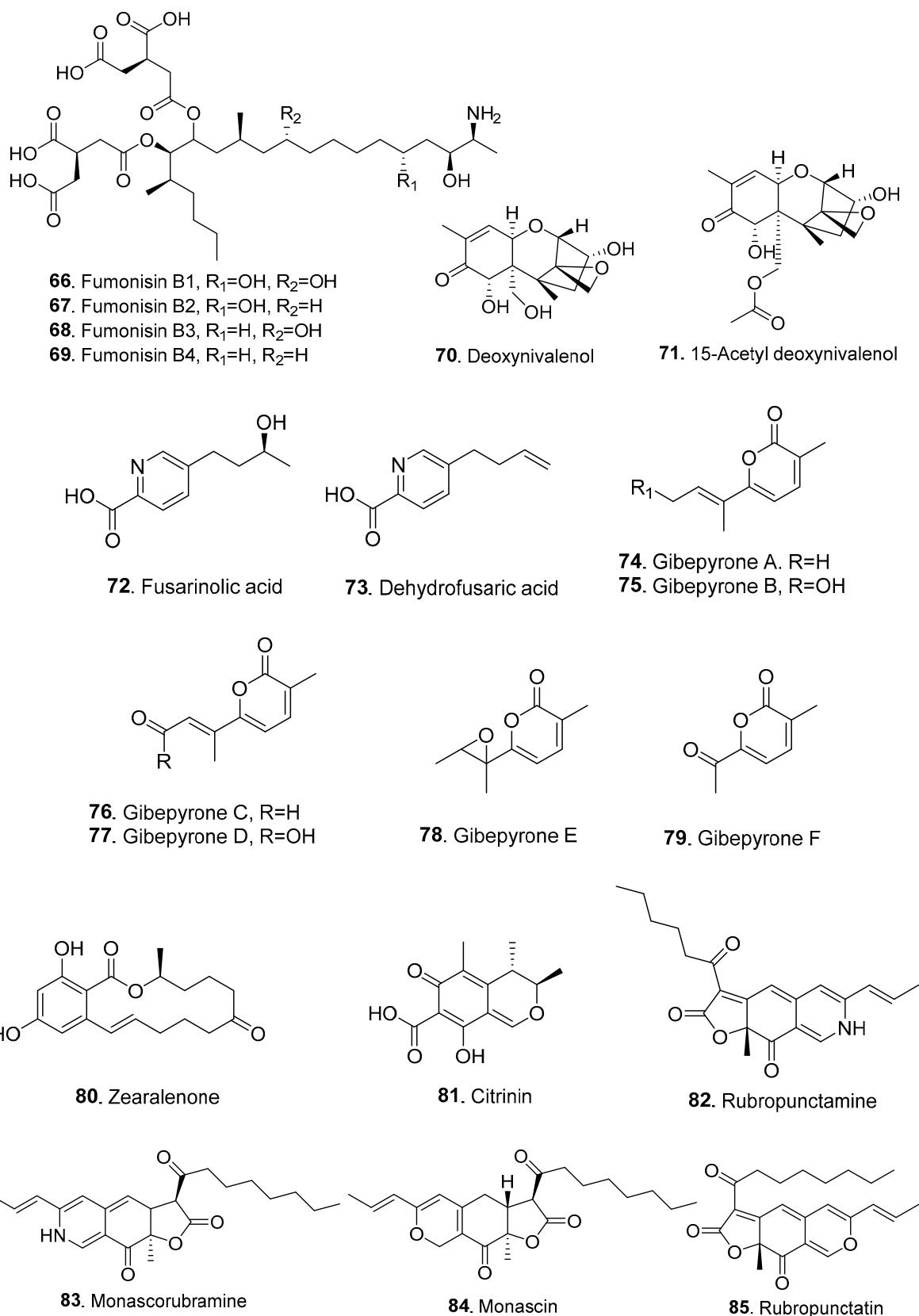
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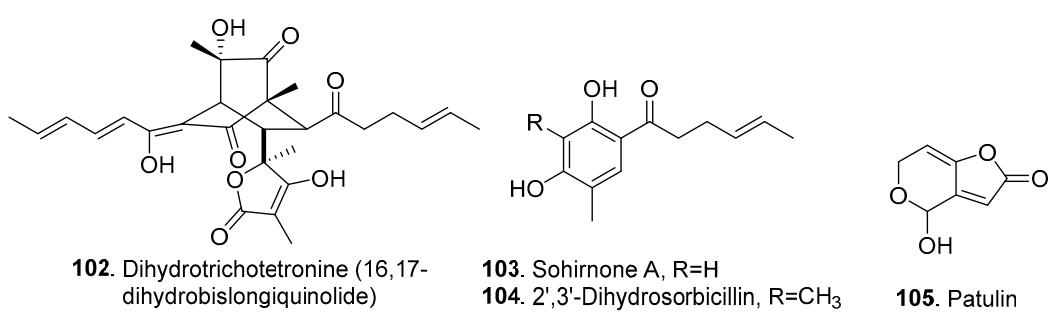
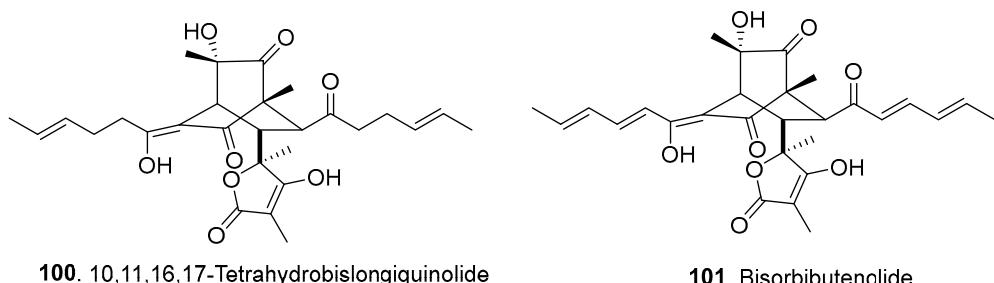
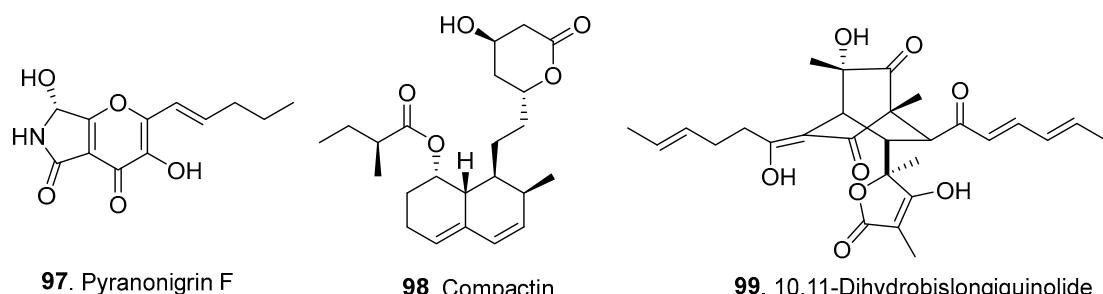
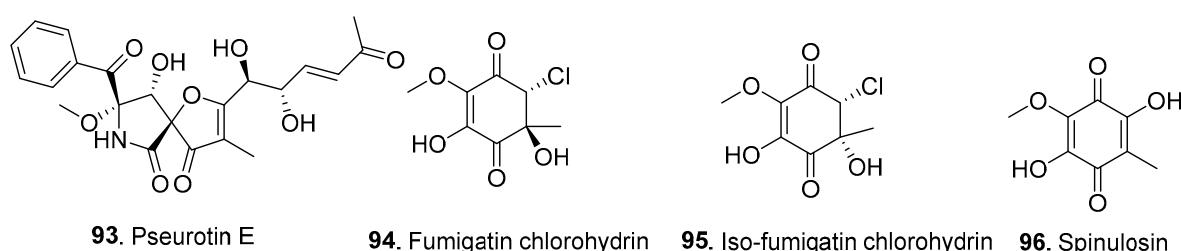
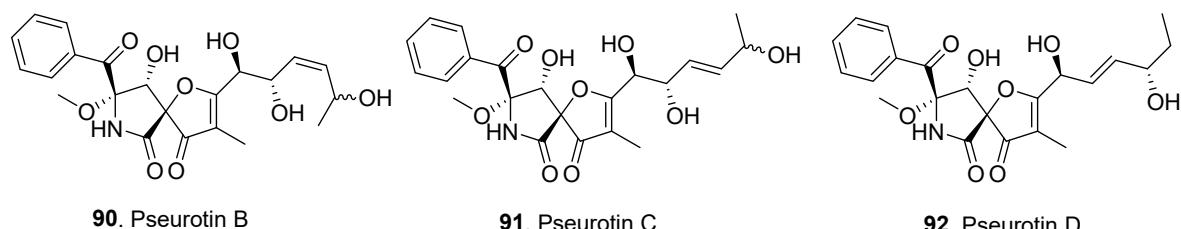
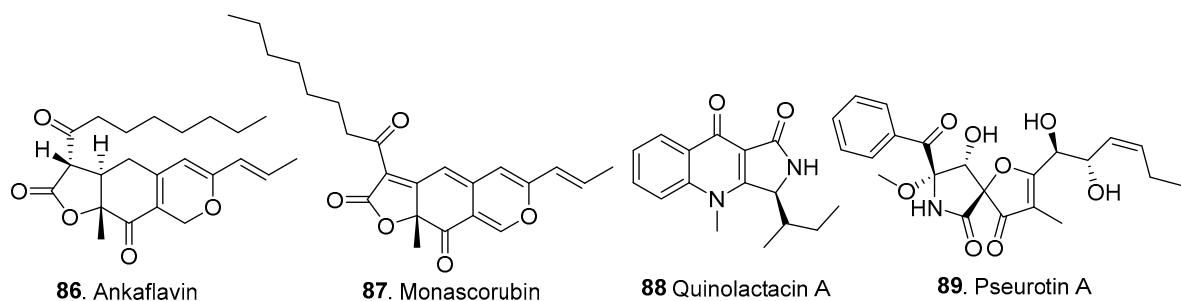


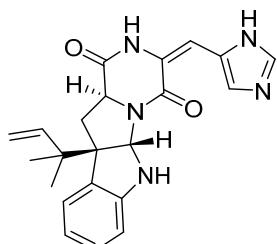
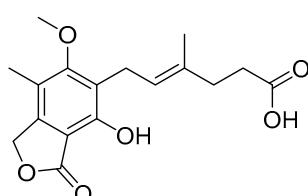
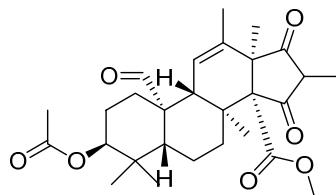
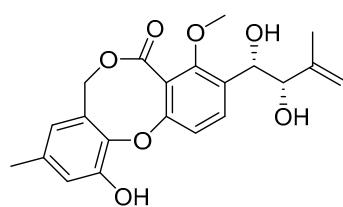
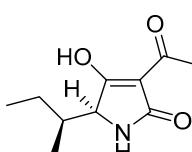
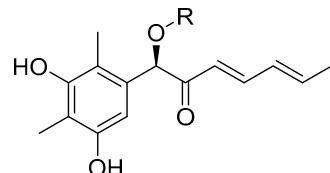
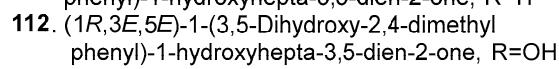
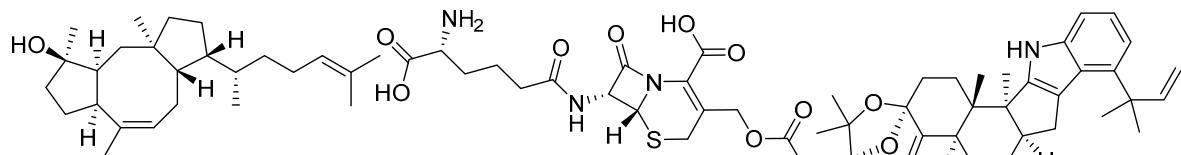
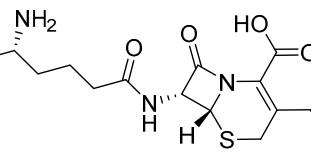
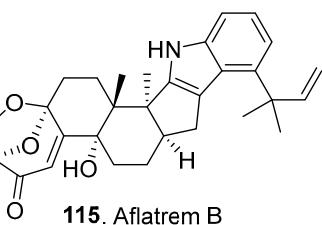
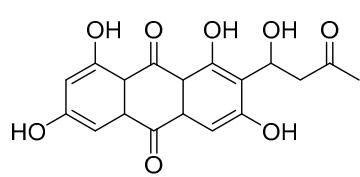
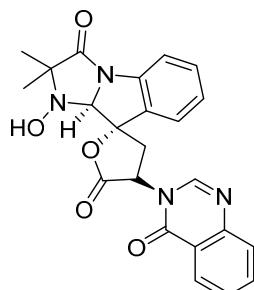
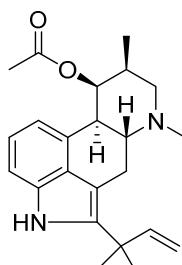
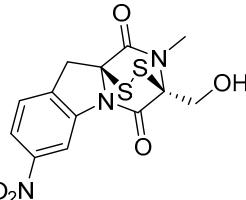
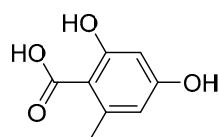
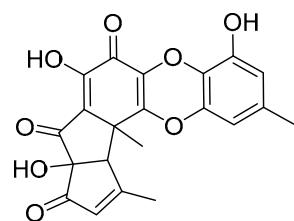
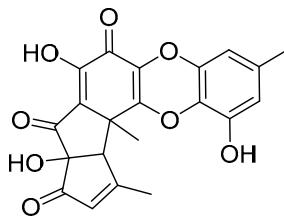
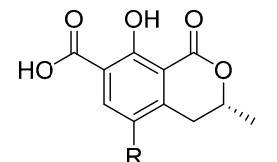
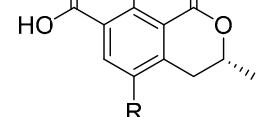
30. Atromentin









**106.** Roquefortine C**107.** Mycophenolic acid**108.** Andrastin A**109.** Pestalotiollide B**110.** Tenuazonic acid**111.** (1*R*,3*E*,5*E*)-1-(3,5-Dihydroxy-2,4-dimethylphenyl)-1-hydroxyhepta-3,5-dien-2-one, R=H**112.** (1*R*,3*E*,5*E*)-1-(3,5-Dihydroxy-2,4-dimethylphenyl)-1-hydroxyhepta-3,5-dien-2-one, R=OH**113.** Ophiobolin F**114.** Cephalosporin C**115.** Aflatrem B**116.** Asparasone A**117.** Gomitremorgin G**118.** Fumigaclavine C**119.** Glionitrin A**120.** Orsellinic acid**121.** F9775A**122.** F9775B**123.** Ochratoxin α , R=Cl**124.** Ochratoxin β , R=H

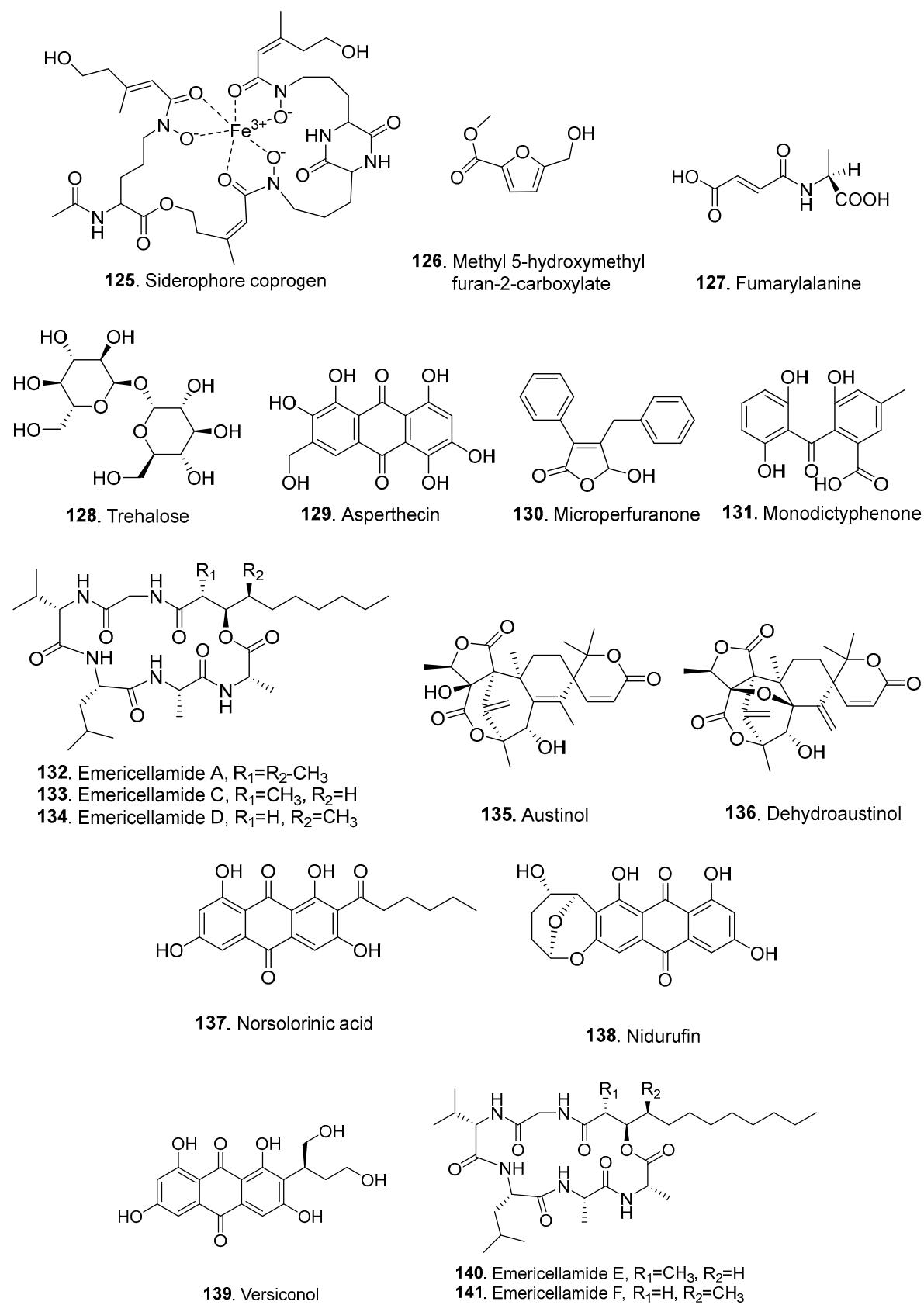


Figure S1. Structures of the metabolites 1–141 identified from fungi through regulation of LaeA and velvet proteins.