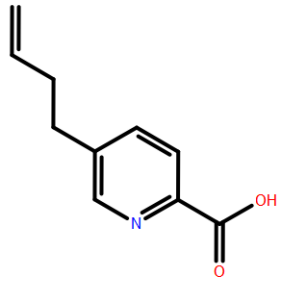
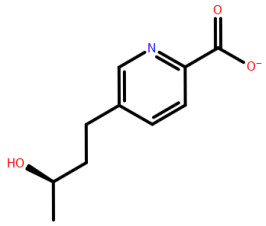
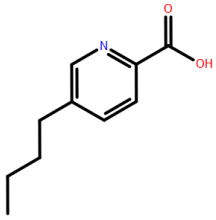
Supplementary File 2

Chemical structures of identified compounds

Table S1

Metabolites identified from *F. oxysporum* MGK13.

No.	Proposed ID	Formula	Structure
1	Dehydrofusaric acid	$C_{10}H_{11}NO_2$	
2	Fusarinolic acid	$C_{10}H_{13}NO_3$	
3	Fusaric acid	$C_{10}H_{13}NO_2$	

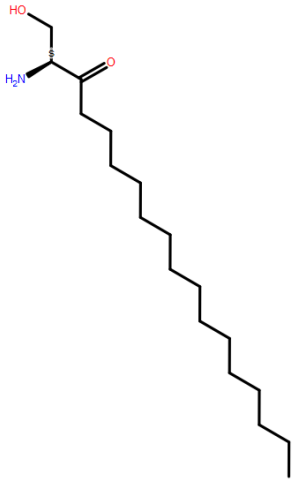
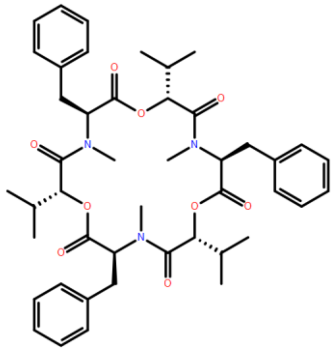
4	3-Dehydrosphinganine	$C_{18}H_{37}NO_2$	
5	Beauvericin	$C_{45}H_{57}N_3O_9$	

Table S2

Metabolites from *M. circinelloides* MGK14.

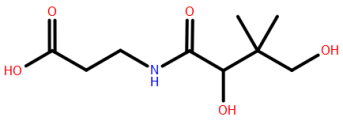
No.	Proposed ID	Formula	Structure
6	Pantothenic acid	$C_9H_{17}NO_5$	

Table S3

Metabolites from *C. eragrosticola* MGK20.

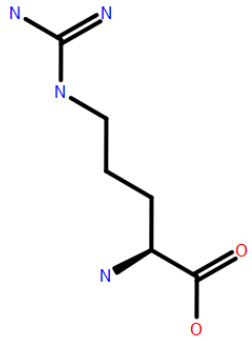
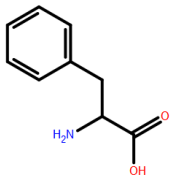
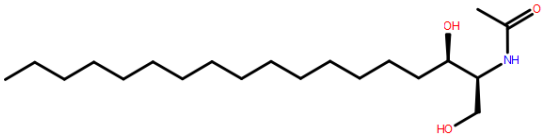
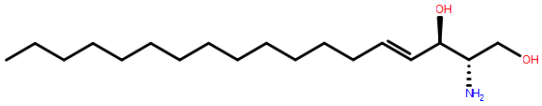
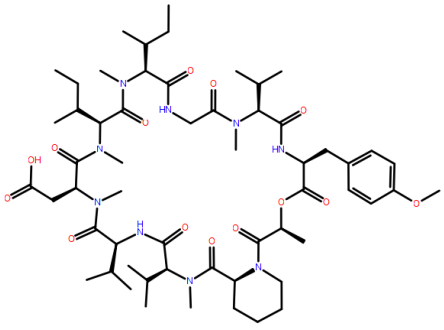
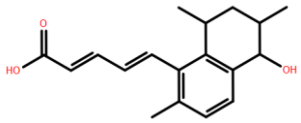
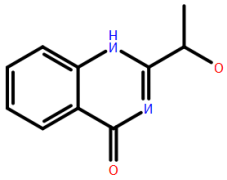
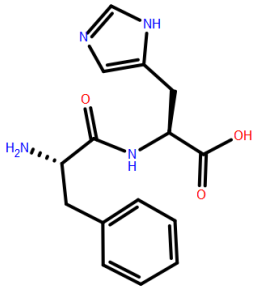
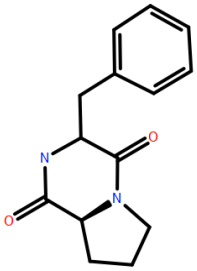
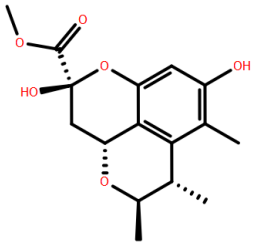
No.	Proposed ID	Formula	Structure
7	L-Arginine	$C_6H_{14}N_4O_2$	
8	L-Phenylalanine	$C_9H_{11}NO_2$	
9	N-Acetylsphinganine	$C_{20}H_{41}NO_3$	
10	Sphingosine	$C_{18}H_{37}NO_2$	
11	Antibiotic BK230	$C_{57}H_{91}N_9O_{14}$	

Table S4

Metabolites from *P. antarticum* MGK31.

No.	Proposed ID	Formula	Structure
12	Arohynapene A	$C_{18}H_{22}O_3$	
13	Chrysogine	$C_{10}H_{10}N_2O_2$	
14	L-Phe-L-His	$C_{15}H_{18}N_4O_3$	
15	Cyclo(L-Phe-L-Pro)	$C_{14}H_{16}N_2O_2$	
16	Penicitrinol P	$C_{16}H_{20}O_6$	

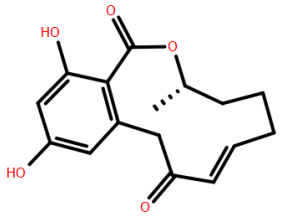
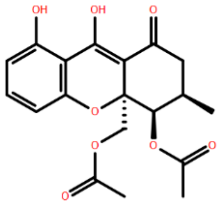
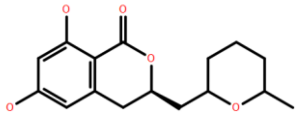
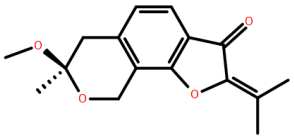
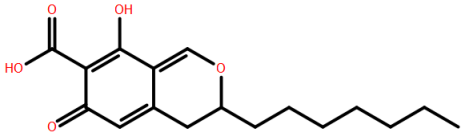
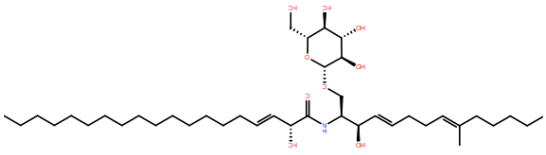
17	Trans-Resorcylide	$C_{16}H_{18}O_5$	
18	Penexanthone B	$C_{19}H_{20}O_8$	
19	Cladosporin	$C_{16}H_{20}O_5$	
20	Penicisochroman A	$C_{16}H_{18}O_4$	
21	Antibiotic TAN 1446A	$C_{17}H_{22}O_5$	
22	Chrysogeside C	$C_{40}H_{73}NO_9$	

Table S5

Metabolites from *C. rogersoniana* MGK33.

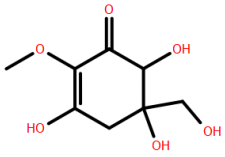
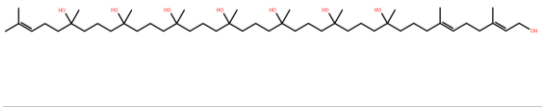
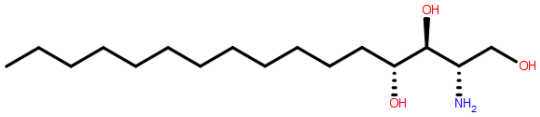
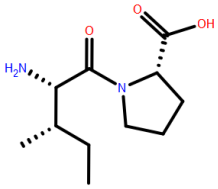
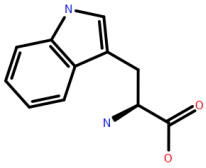
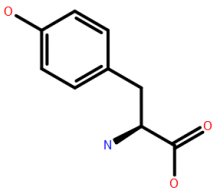
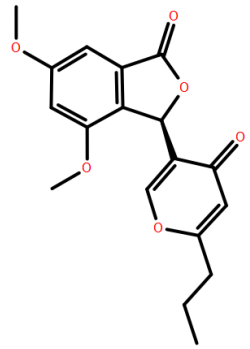
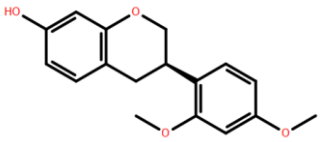
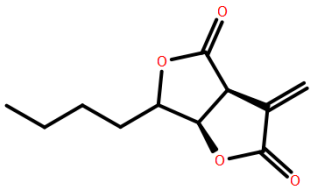
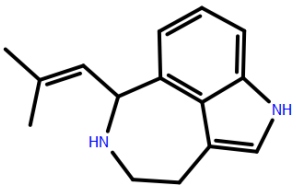
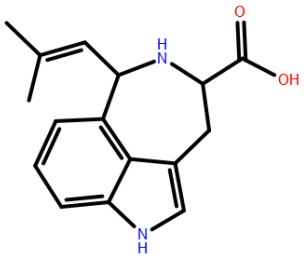
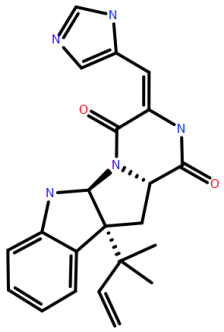
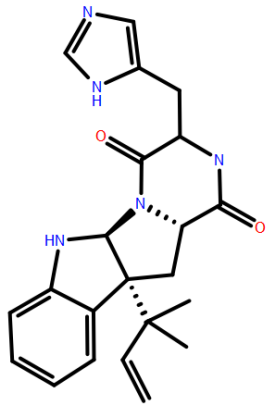
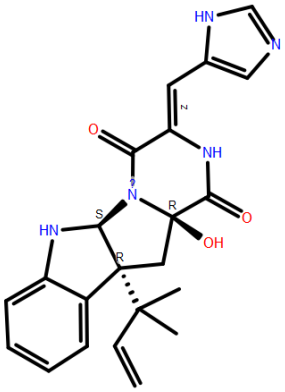
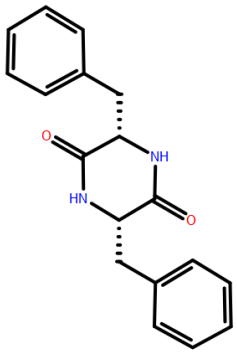
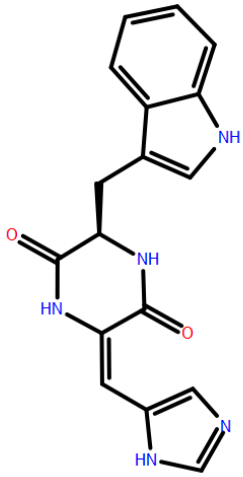
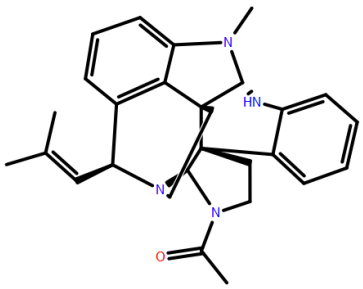
No.	Proposed ID	Formula	Structure
23	Gadusol	$C_8H_{12}O_6$	
24	Bionectin F	$C_{50}H_{96}O_8$	
25	C16 Phytosphingosine	$C_{16}H_{35}NO_3$	
26	L-Ile-L-Pro	$C_{11}H_{20}N_2O_3$	
27	L-Tryptophan	$C_{11}H_{12}N_2O_2$	
28	L-Tyrosine	$C_9H_{11}NO_3$	

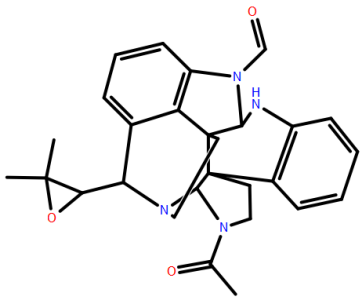
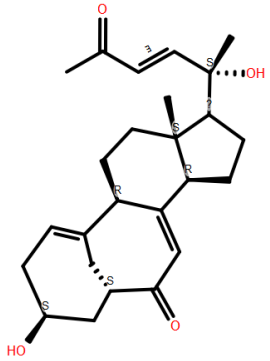
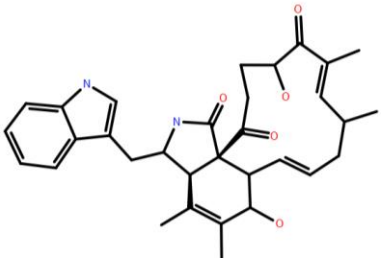
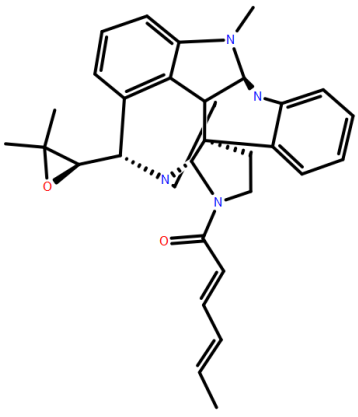
Table S6

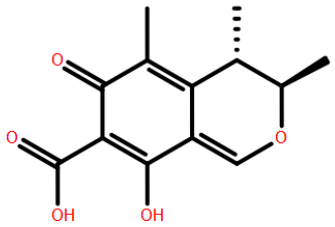
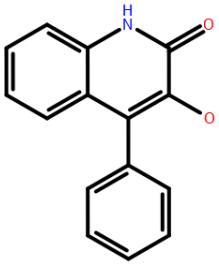
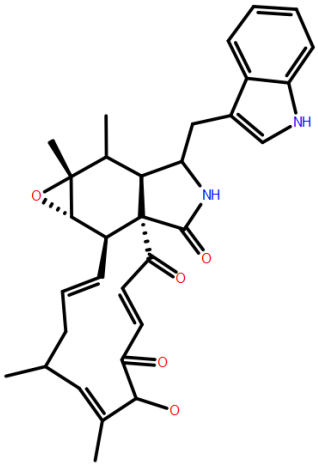
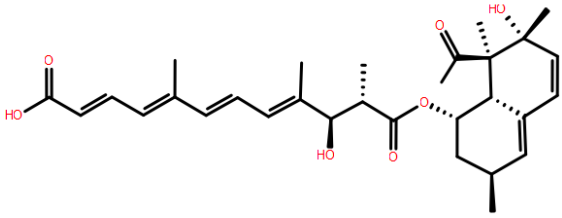
Metabolites from *P. expansum* MGK42.

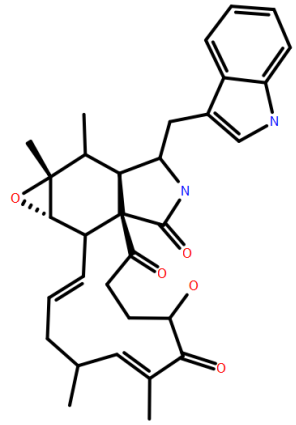
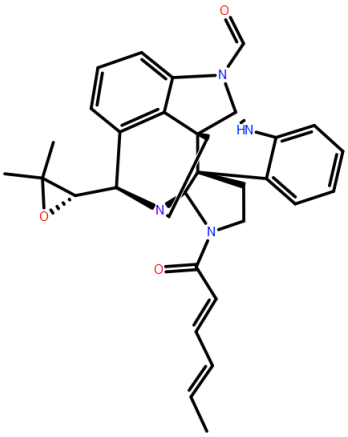
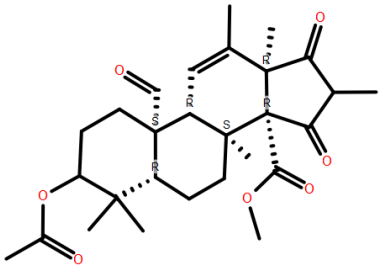
No.	Proposed ID	Formula	Structure
29	Dihydrovermistatin	$C_{18}H_{18}O_6$	
30	Sativan	$C_{17}H_{18}O_4$	
31	Canadensolide	$C_{11}H_{14}O_4$	
32	Aurantioclavine	$C_{15}H_{18}N_2$	
33	Clavicipitic acid	$C_{16}H_{18}N_2O_2$	

34	Roquefortine C	$C_{22}H_{23}N_5O_2$	
35	Roquefortine D	$C_{22}H_{25}N_5O_2$	
36	(16R)-Hydroxyroquefortine C	$C_{22}H_{23}N5O_3$	

37	Cyclo(L-Phe-L-Phe)	$C_{18}H_{18}N_2O_2$	
38	Dehydrohistidyl-tryptophanyl-diketopiperazine	$C_{17}H_{15}N_5O_2$	
39	Communesin E	$C_{27}H_{30}N_4O_2$	

40	Commnesin 470	$C_{27}H_{34}O_7$	
41	24-Oxocyclocitrinol	$C_{25}H_{34}O_4$	
42	Chaetoglobosin E	$C_{32}H_{38}N_2O_5$	
43	Communesin B	$C_{32}H_{36}N_4O_2$	

44	Citrinin	$C_{13}H_{14}O_5$	
45	Viridicatin	$C_{15}H_{11}NO_2$	
46	Chaetoglobosin A	$C_{32}H_{36}N_2O_5$	
47	Deformylcalbistrin A	$C_{30}H_{40}O_7$	

48	Chaetoglobosin F	$C_{32}H_{38}N_2O_5$	
49	Communesin D	$C_{32}H_{34}N_4O_3$	
50	Andrastin A	$C_{28}H_{38}O_7$	

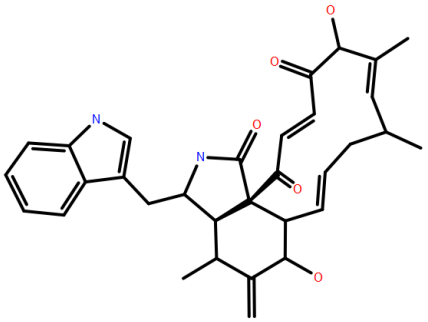
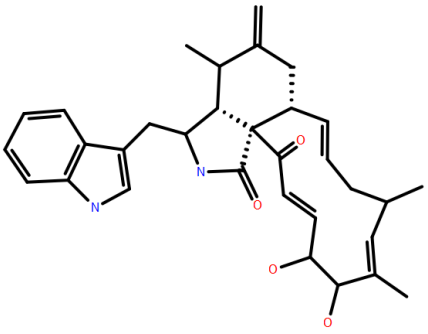
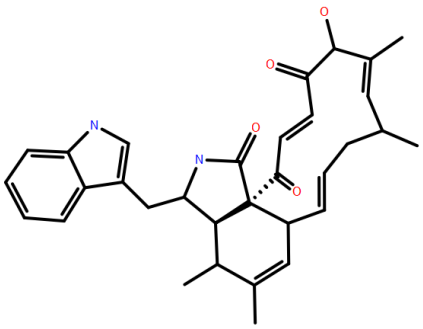
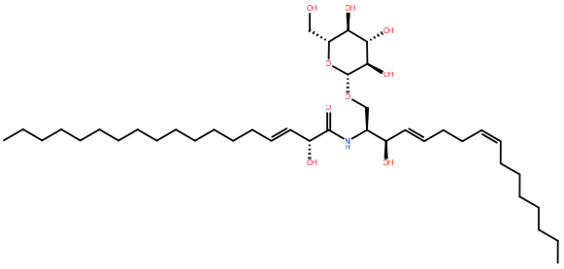
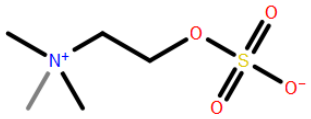
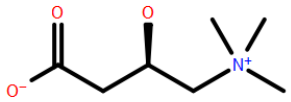
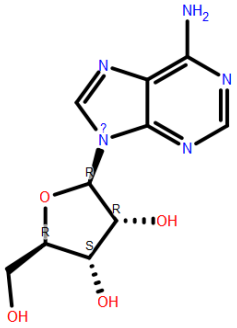
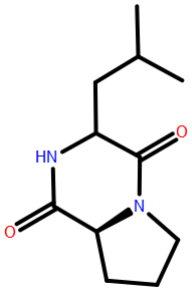
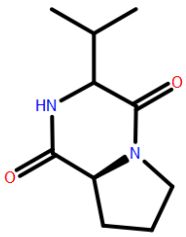
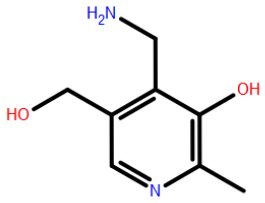
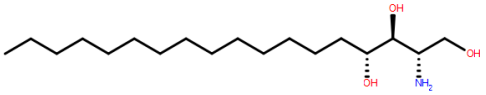
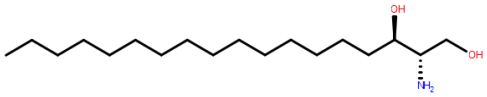
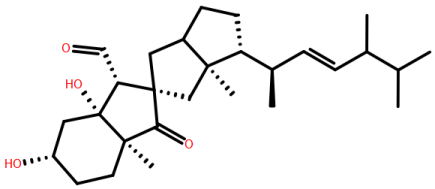
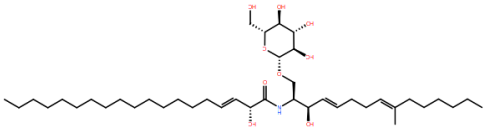
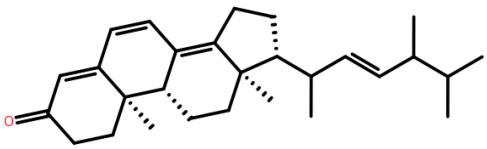
51	Chaetoglobosin D	$C_{32}H_{36}N_2O_5$	
52	Cytoglobosin D	$C_{32}H_{38}N_2O_4$	
53	Chaetoglobosin J	$C_{32}H_{36}N_2O_4$	
54	Chrysogeside A	$C_{40}H_{73}NO_9$	

Table S7.
Metabolites common to two or more fungal isolates.

No.	Proposed ID	Formula	Metabolite occurrence*	Structure
55	Choline sulfate	$C_5H_{13}NO_4S$	MGK13 MGK20 MGK31	
56	L-Carnitine	$C_7H_{15}NO_3$	MGK13 MGK14 MGK20 MGK31 MGK42	
57	Adenosine	$C_{10}H_{13}N_5O_4$	MGK20 MGK33	
58	Cyclo(L-Leu-L-Pro)	$C_{11}H_{18}N_2O_2$	MGK31 MGK33	
59	Cyclo(L-Pro-L-Val)	$C_{10}H_{16}N_2O_2$	MGK20 MGK31	

60	Pyridoxamine	$C_8H_{12}N_2O_2$	MGK20 MGK31	
61	Phytosphingosine	$C_{18}H_{39}NO_3$	MGK13 MGK14 MGK20 MGK31 MGK42	
62	Sphinganine	$C_{18}H_{39}NO_2$	MGK13 MGK14 MGK20 MGK31 MGK42	
63	Citreospirosteroid	$C_{28}H_{44}O_4$	MGK31 MGK42	
64	Chrysogeside B	$C_{41}H_{75}NO_9$	MGK31 MGK42	
65	Ergosta-4,6,8(14),22-tetraen-3-one	$C_{28}H_{40}O$	MGK13 MGK31	

*Abbreviations represent fungal isolates as follows: **MGK13** = *F. oxysporum* MGK13; **MGK14** = *M. circinelloides* MGK14; **MGK20** = *C. eragrosticola* MGK20; **MGK31** = *P. antarticum* MGK31; **MGK33** = *C. rogersoniana* MGK33 and **MGK42** = *P. expansum* MGK42.