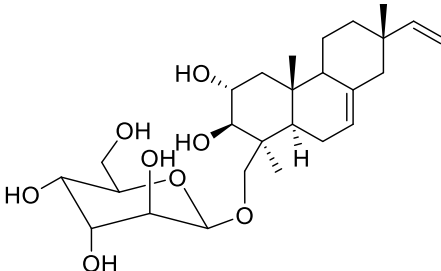
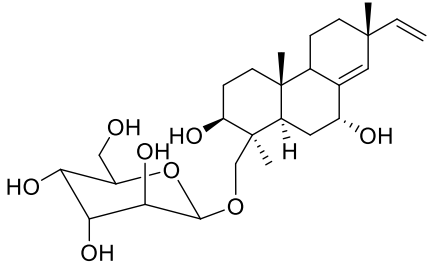
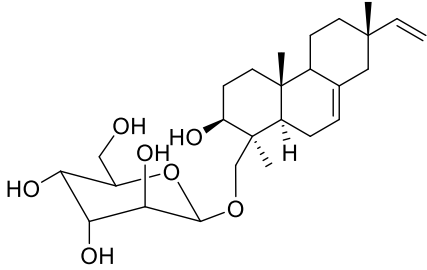
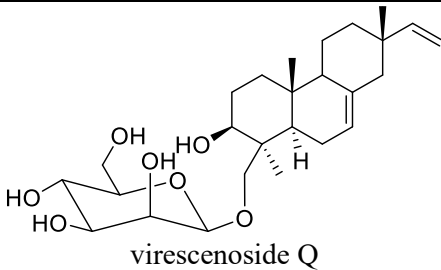
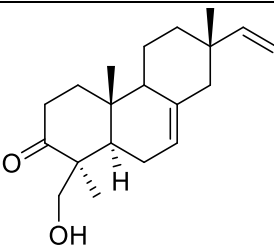


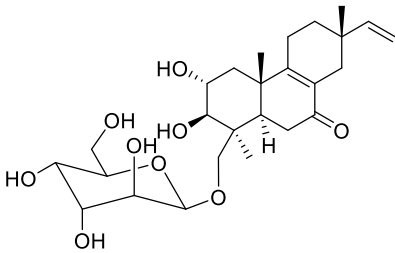
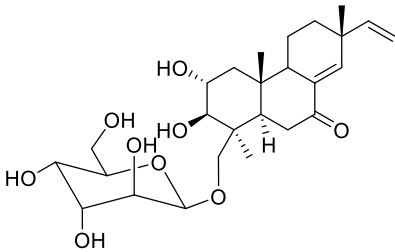
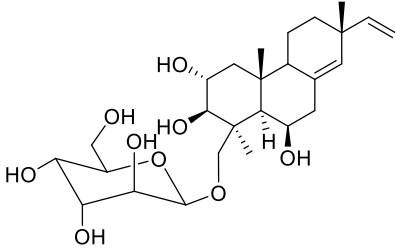
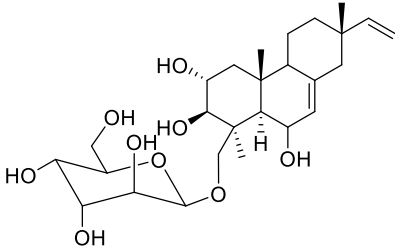
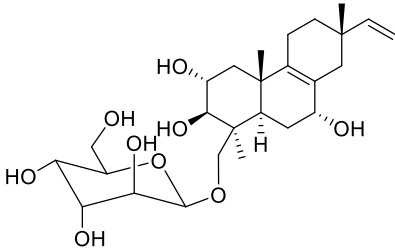
Supplementary Materials

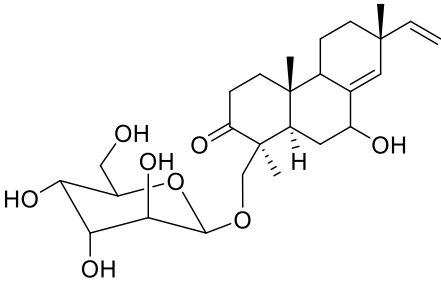
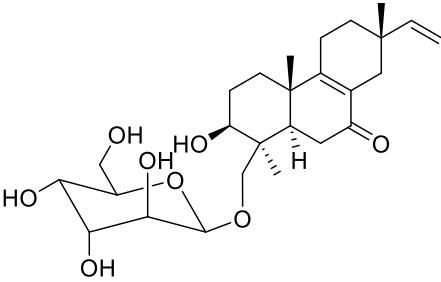
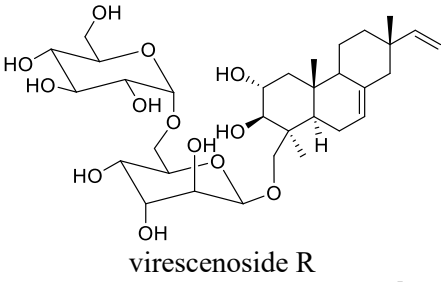
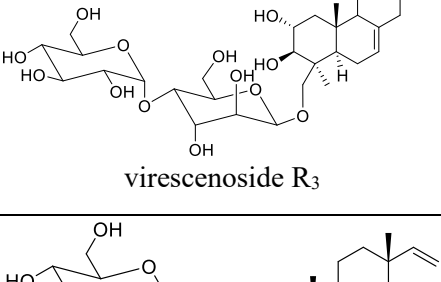
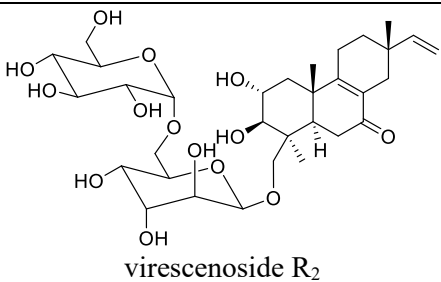
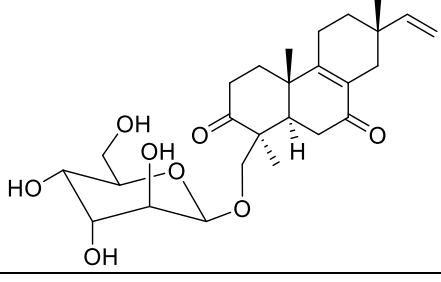
Metabolite Profiles of *Paragliomastix luzulae* (Formerly Named as *Acremonium striatisporum*) KMM 4401 and Its Co-cultures with *Penicillium hispanicum* KMM 4689

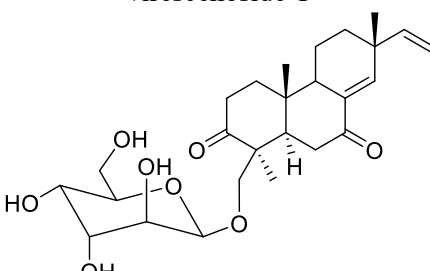
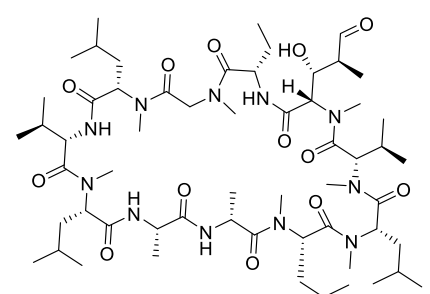
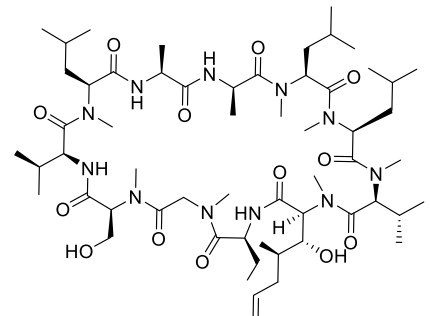
Sofya S. Starnovskaya, Liliana E. Nesterenko, Roman S. Popov, Natalya N. Kirichuk, Viktoria E. Chausova, Ekaterina A. Chingizova, Artur R. Chingizov, Marina P. Isaeva, Ekaterina A. Yurchenko and Anton N. Yurchenko

Table S1. Secondary metabolites annotated in studied fungal extracts*Paragliomastix luzulae* KMM 4401

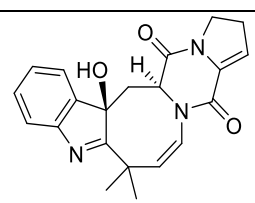
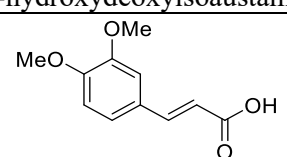
Nº	Culture	RT	m/z	Suggested structure and name	Exact mass	Mass error
1	PI PIPh1 PIPh2	10.6	483.2961 [M+H] ⁺	 virescenoside A	483.2953	1.7
2	PI PIPh1 PIPh2	11.5	483.2961 [M+H] ⁺	 virescenoside O		
3	PI PIPh1 PIPh2	12.7	467.2998 [M+H] ⁺	 virescenoside B	467.3003	-1.1
4	PI PIPh1 PIPh2	12.4	467.2981 [M+H] ⁺	 virescenoside Q or its isomer		-4.7
5	PI PIPh1 PIPh2	13.3	467.3015 [M+H] ⁺			2.6
6	PI PIPh1 PIPh2	15.6	303.2325 [M+H] ⁺	 virescenoside C aglycone	303.2319	2.0

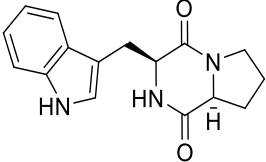
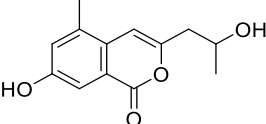
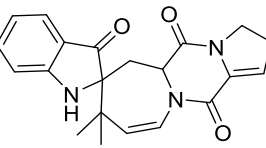
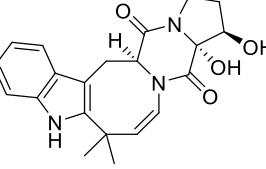
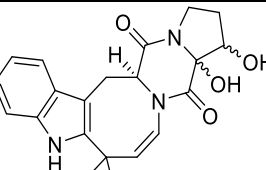
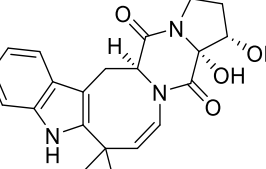
7	PI PIPh1 PIPh2	6.8	497.2737 [M+H] ⁺	 virescenoside M  virescenoside V or their isomers	497.2745	-1.6
8	PI PIPh2	7.2	497.2737 [M+H] ⁺			
9	PI PIPh2	7.4	497.2737 [M+H] ⁺			
10	PI	7.7	497.2737 [M+H] ⁺			
11	PI PIPh2	6.9	499.2909 [M+H] ⁺	 virescenoside N  virescenoside W  virescenoside X	499.2902	1.4
12	PI	7.3	499.2909 [M+H] ⁺			
13	PI PIPh2	7.5	499.2909 [M+H] ⁺			
14	PI PIPh2	8.7	481.2803 [M+H] ⁺		481.2796	1.5

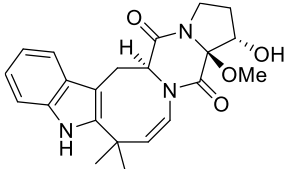
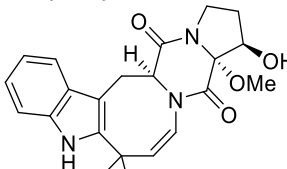
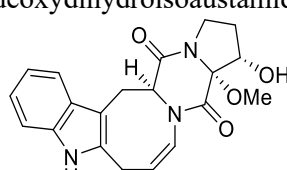
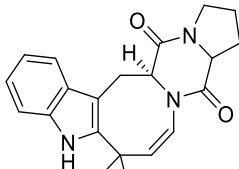
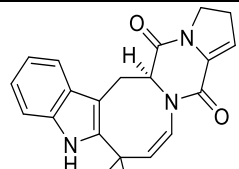
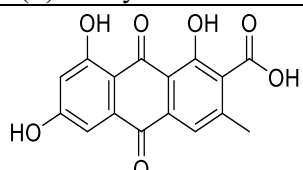
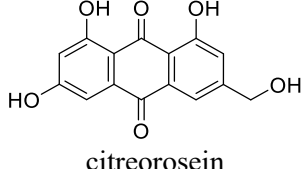
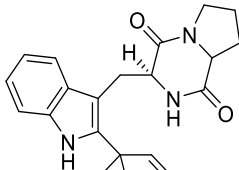
15	PI PIPh1 PIPh2	8.9	481.2803 [M+H] ⁺	 virescenoside S  virescenoside P or their isomers		
16	PI PIPh1 PIPh2	9.4	481.2803 [M+H] ⁺			
17	PI PIPh1 PIPh2	10.0	481.2803 [M+H] ⁺			
18	PI PIPh1 PIPh2	11.0	481.2803 [M+H] ⁺			
19	PI PIPh1 PIPh2	9.6	645.3461 [M+H] ⁺	 virescenoside R  virescenoside R₃	645.3481	-3.1
20	PI PIPh1 PIPh2	10.5	645.3501 [M+H] ⁺			3.1
21	PI	6.2	659.3271 [M+H] ⁺	 virescenoside R₂	659.3273	-0.3
22	PI	6.4	479.2618 [M+H] ⁺		479.2639	-4.4
23	PI	9.1	479.2618 [M+H] ⁺			

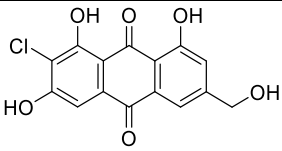
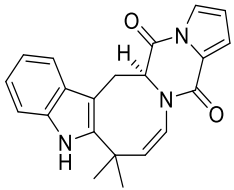
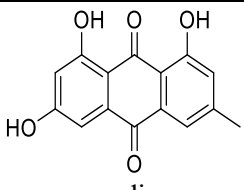
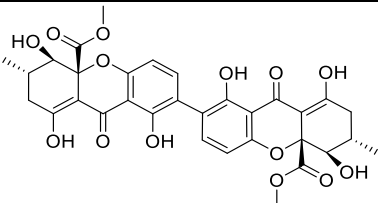
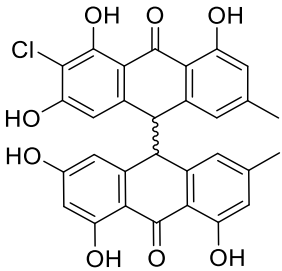
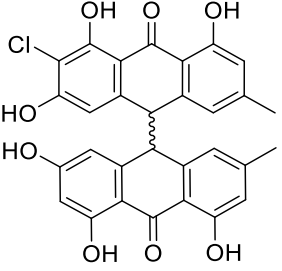
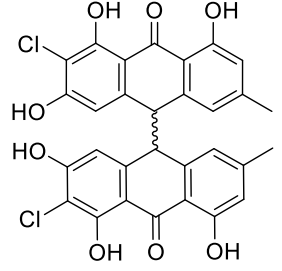
24	PI PIPh1	8.4	479.2653 [M+H] ⁺	 virescenside T	479.2639	2.9
25	PI PIPh1 PIPh2	9.2	479.2653 [M+H] ⁺			
26	PI PIPh1	9.5	479.2653 [M+H] ⁺			
				virescenside U or their isomers		
27	PI PIPh1 PIPh2	16.2	1176.7974 [M+H] ⁺	 6-[(3R,4S)-3-Hydroxy-N-methyl-5-oxo-L-leucine]cyclosporin A  9-(N-Methyl-L-serine)cyclosporin A	1176.7966	0.7

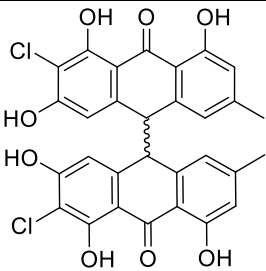
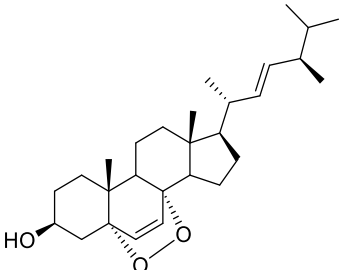
P. hispanicum KMM4689

№	Culture	RT	m/z	Structure and name	Exact mass	Mass error
28	Ph PIPh1 PIPh2	2.9	364.1655 [M+H] ⁺	 3β-hydroxydeoxyisoaustamide	364.1656	-0.3
29	PIPh1 PIPh2	4.9	209.0811 [M+H] ⁺		209.0804	3.3

				3,4-dimethoxycinnamic acid		
30	Ph PIPh1 PIPh2	5.0	284.1388 [M+H] ⁺	 brevianamide F	284.1394	-2.1
31	Ph PIPh1 PIPh2	5.1	235.0949 [M+H] ⁺	 7-hydroxy-3-(2-hydroxypropyl)-5-methylisochromen-1-one	235.0965	-6.8
32	Ph PIPh1 PIPh2	5.2	364.1640 [M+H] ⁺	 austamide	364.1656	-4.4
33	Ph PIPh1 PIPh2	6.0	382.1753 [M+H] ⁺	 16β,17α-dihydroxy-deoxydihydroisoaustamide	382.1761	-2.1
34	Ph PIPh1 PIPh2	6.2	382.1753 [M+H] ⁺	 16,17-dihydroxy-deoxydihydroisoaustamide		
35	Ph PIPh1 PIPh2	6.6	382.1753 [M+H] ⁺	 16α,17α-dihydroxy-deoxydihydroisoaustamide		

36	Ph PIPh1 PIPh2	7.3	396.1895 [M+H] ⁺	 16α-hydroxy-17β-methoxy- deoxydihydroisoaustamide  16β-hydroxy-17α-methoxy- deoxydihydroisoaustamide  16α-hydroxy-17α-methoxy- deoxydihydroisoaustamide	396.1918	-5.8
37	Ph PIPh1 PIPh2	7.6	350.1808 [M+H] ⁺	 deoxydihydroisoaustamide	350.1863	-15.7
38	Ph PIPh1 PIPh2	7.7	348.1713 [M+H] ⁺	 (+)-deoxyisoaustamide	348.1707	1.7
39	Ph PIPh1 PIPh2	8.1	315.0488 [M+H] ⁺	 endocrocin	315.0499	-3.5
40	Ph PIPh1 PIPh2	8.8	287.0539 [M+H] ⁺	 citreorsein	287.0550	-3.8
41	Ph PIPh1 PIPh2	9.6	352.2019 [M+H] ⁺	 desoxybrevianamide E	352.2020	-0.3

42	Ph PIPh1 PIPh2	10.2	321.0150 [M+H] ⁺	 2-chlorocitreorosein	321.0160	-3.1
43	Ph PIPh1 PIPh2	10.8	346.1544 [M+H] ⁺	 deoxy-14,15-dehydroisoaustamide	346.1550	-1.7
44	Ph PIPh1 PIPh2	13.0	271.0587 [M+H] ⁺	 emodine	271.0601	-5.2
45	PIPh2	13.6	639.1697 [M+H] ⁺	 secalonic acid D	639.1708	-1.7
46	PIPh1 PIPh2	15.0	545.0999 [M+H] ⁺	 nephrolaevigatin D	545.0998	0.2
47	Ph PIPh1 PIPh2	15.3	545.0999 [M+H] ⁺	 nephrolaevigatin C	545.0998	0.2
48	Ph PIPh1 PIPh2	15.5	579.0665 [M+H] ⁺	 nephrolaevigatin A	579.0608	9.8

49	Ph PIPh1 PIPh2	15.7	579.0626 [M+H] ⁺	 nephrolaevigatin B	579.0608	3.1
50	PI Ph PIPh1 PIPh2	20.4	429.3350 [M+H] ⁺	 ergosterol peroxide	429.3363	-3.0