

Supplementary table 2. Area under curve (AUC) of the identified compounds in the headspace of fungal isolates grown on horseradish extract, using different cultivation techniques.

Abbreviation: hs, high relative surface agar film (proposed technique); l, liquid; nf, agar.

Strain	H1	H1	H1	H1	H1	H1
Medium format	hs	l	nf	hs	l	nf
Day	3	3	3	4	4	4
acetone	4202865	552942	1530881	6570502	2738860	3275885
ACN	1885693	3148245	3008135	2191987	3872182	5468480
AITC	0	0	0	321872	0	394428
CS ₂	5150051	0	2238920	3438926	0	4124258
ethyl acetate	21735721	223811660	64286664	16317071	196439810	54646789
ethyl propionate	295745	0	385810	233220	0	0
methyl acetate	0	1878800	0	0	1742895	0
methyl formate	0	0	0	0	0	0
methyl-1-butanol acetate	0	0	0	0	0	0
methyl-1-butanol isomer 1	11022823	10240929	13480199	9854887	14790513	11603569
methyl-1-butanol isomer 2	4412099	8072548	5262103	3852259	9298005	5128776
methyl-1-propanol	14584496	16198003	20506366	14598790	17659924	21662212
propyl acetate	0	0	0	0	0	0
styrene	8582260	19198299	7759870	658365	1362931	695401

Strain	H12	H12	H12	H12	H12	H12
Medium format	hs	l	nf	hs	l	nf
Day	3	3	3	4	4	4
acetone	762373	1094639	1272257	157489	2648479	2476522
ACN	3639241	788222	2484930	5988333	226358	6495034
AITC	0	0	1966720	0	0	2947701
CS ₂	2255956	0	3947120	2323653	0	8613367
ethyl acetate	0	0	0	0	0	0
ethyl propionate	0	0	0	0	0	0
methyl acetate	0	0	0	0	0	0
methyl formate	0	0	0	0	0	0
methyl-1-butanol acetate	0	0	0	0	0	0
methyl-1-butanol isomer 1	1363424	546807	1345376	1523985	805406	1165317
methyl-1-butanol isomer 2	839223	582648	820072	390669	872264	610978
methyl-1-propanol	0	0	0	0	0	0
propyl acetate	0	0	0	0	0	0
styrene	0	0	0	0	0	0

Strain	H6	H6	H6	H6	H6	H6
Medium format	hs	l	nf	hs	l	nf
Day	3	3	3	4	4	4
acetone	880100	0	748808	1746364	1109550	1930111
ACN	0	0	0	0	0	0
AITC	3576559	0	0	1931962	0	0
CS ₂	0	0	0	0	0	0
ethyl acetate	0	0	0	0	0	0
ethyl propionate	0	0	0	0	0	0
methyl acetate	0	0	0	0	0	0
methyl formate	0	0	0	0	0	0
methyl-1-butanol acetate	0	0	0	0	0	0
methyl-1-butanol isomer 1	0	0	0	0	0	0
methyl-1-butanol isomer 2	0	0	0	0	0	0
methyl-1-propanol	0	0	0	0	0	0
propyl acetate	0	0	0	0	0	0
styrene	0	728744	0	0	0	0

Strain	S16	S16	S16	S16	S16	S16
Medium format	hs	l	nf	hs	l	nf
Day	3	3	3	4	4	4
acetone	0	1444965	1175321	369343	5686363	1420317
ACN	0	2351007	802703	0	3063334	5157357
AITC	0	306472	0	0	162357	0
CS ₂	3360262	1471845	1429624	1794660	2265532	4334149
ethyl acetate	12476638	730162014	133316303	0	709100742	113853998
ethyl propionate	0	294946	0	0	0	0
methyl acetate	0	4068663	1580298	0	3726227	1445773
methyl formate	202856	624760	0	0	397816	0
methyl-1-butanol acetate	0	0	0	0	0	0
methyl-1-butanol isomer 1	422089	4102740	4961334	326919	4103062	4618100
methyl-1-butanol isomer 2	0	2753780	3082155	0	3027924	1919232
methyl-1-propanol	1801655	12431953	9475080	508936	13970974	9503573
propyl acetate	0	2595488	752166	0	2434927	430642
styrene	0	0	0	0	0	0

Strain	S2	S2	S2	S2	S2	S2
Medium format	hs	l	nf	hs	l	nf
Day	3	3	3	4	4	4
acetone	0	0	940226	787342	1199554	1882295
ACN	913781	496443	0	946442	1178278	0
AITC	88068964	0	0	19371219	699326	279082
CS ₂	8617044	669101	0	5726052	1066883	0
ethyl acetate	0	0	0	0	0	0
ethyl propionate	0	0	0	0	0	0
methyl acetate	0	0	0	0	0	0
methyl formate	0	0	0	0	0	0
methyl-1-butanol acetate	1393839	0	0	0	0	0
methyl-1-butanol isomer 1	1378131	2392323	0	1122189	1934524	0
methyl-1-butanol isomer 2	945123	1339629	0	757582	1340476	0
methyl-1-propanol	721820	3083722	0	156953	2336930	0
propyl acetate	0	0	0	0	0	0
styrene	0	0	0	0	0	0

Strain	S25	S25	S25	S25	S25	S25
Medium format	hs	l	nf	hs	l	nf
Day	3	3	3	4	4	4
acetone	0	883408	0	1124436	3108065	1086028
ACN	1442541	1954617	2422201	4283734	2483826	2996431
AITC	332605	0	0	792812	0	714574
CS ₂	1522220	0	1616398	3288127	897272	2311512
ethyl acetate	0	0	0	0	0	0
ethyl propionate	0	0	0	0	0	0
methyl acetate	0	0	0	0	0	0
methyl formate	0	0	0	0	0	0
methyl-1-butanol acetate	0	0	0	0	0	0
methyl-1-butanol isomer 1	0	0	552184	0	0	434650
methyl-1-butanol isomer 2	0	0	0	0	0	0
methyl-1-propanol	0	0	0	0	0	0
propyl acetate	0	0	0	0	0	0
styrene	3617097	8131050	0	0	5264007	0

Strain	S4	S4	S4	S4	S4	S4
Medium format	hs	l	nf	hs	l	nf
Day	3	3	3	4	4	4
acetone	1230451	1130905	1017116	1218793	2119399	1762362
ACN	0	0	0	581047	0	0
AITC	0	0	0	247053	300496	0
CS ₂	0	0	0	0	0	0
ethyl acetate	0	0	0	0	0	0
ethyl propionate	0	0	0	0	0	0
methyl acetate	0	0	0	0	0	0
methyl formate	0	0	0	0	0	0
methyl-1-butanol acetate	0	0	0	0	0	0
methyl-1-butanol isomer 1	663954	1917959	0	502362	1954341	0
methyl-1-butanol isomer 2	0	1011494	0	0	994208	0
methyl-1-propanol	797758	3220912	0	716098	3150803	0
propyl acetate	0	0	0	0	0	0
styrene	0	0	0	0	0	0