

Supplementary data

Antibacterial activities of *Agaricus bisporus* extracts and their synergistic effects with the antistaphylococcal drug AFN-1252

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Supplementary Table S1. The peak areas of compounds identified in the tested *Agaricus bisporus* extracts. Results are shown in triplicate for each extract (EW: P1_1-P1_3; AW: P2_1-P2_3; EB: P3_1-P3_3; AB: P4_1-P4_3)

No	Compound name	P1_1	P1_2	P1_3	P2_1	P2_2	P2_3	P3_1	P3_2	P3_3	P4_1	P4_2	P4_3
<i>Phenolic acids</i>													
1	Gallic acid				73214166	73345489	75311468				2989011	3033745	4088027
2	Dihydroxybenzoic acid	1041420	1522242	1724266	883366	1495177	2106988	2085839	3232582	3580704	3052888	4105353	1949895
3	Hydroxybenzoic acid 1	42868369	37473489	14761737	89122364	62687638	37715577	15418367	11401654	8313365	23168865	11431214	30491685
4	Benzoic acid				26180424	24588196	24565219				12736625	22526494	12666756
5	Caffeic acid				3139688	2865681	1203840	1675016	2721143	1043358	1500887	1514675	1528462
6	<i>p</i> -Coumaric acid	4721478	4447488	4094398	7477653	7309799	7991095	3051343	2926667	2978827	2804861	3013169	3196634
7	Hydroxybenzoic acid 2	9155469	8692693	8924081				5112654	4853038	5584186			
<i>Amino acids</i>													
8	L-Threonine	59082053	60043006	33206519	59627184	58554330	64936668	42222874	42983537	44923813	41534197	29002047	38937153
9	D-Asparagine	12974368	15253012	11170218	8075362	9193121	8552793	10514235	10015406	10472667	11943261	6041526	12730785
10	L-Glutamic acid	74684902	73910484	73953513	7089437	7704593	7677163	55181592	59612103	58066773	58452116	58503681	58761453
11	L-Aspartic acid	6649361	2168142	5608396	2119938	2103809	1507441	551415	4236132	2131526	3290432	2572923	5822909
12	D-Valine	19246267	13140242	16548376	13320803	21710969	23364087	15354378	4555916	5088008	3292599	5517414	3934301
13	L-Pyroglutamic acid	820152554	721619680	791055981	86368839	107427836	104125516	545897954	560059221	553519180	784576092	778457183	783972507
14	L-Glutamyl-L-leucine	1766714	2663880	2344939	994050	1369269	1054075	2132720	2473472	2303096	1885927	1717222	2010517
15	Tyrosine	11601105	11279257	11052550	13440732	14682186	14172332	9615341	9428915	9042857	9894545	9456139	8848431
16	D- α -Aminoadipic acid	7904918	6981732	7492598	2756150	2370456	2578974	13235228	9995726	8188647	7223887	6704464	6679228
17	D-Phenylalanine	116784334	112716775	114829379	132758516	138701513	141282337	70985326	69435926	70930668	80790916	77657262	80965164
<i>Fatty acids</i>													
18	9,10,13-Trihydroxy-11-octadecenoic acid	580216680	567161770	582065605	1997773009	2006923503	2015573107	252968449	256057653	252592531	436246464	442477238	445085758
19	8-Hydroxy-13-oxo-9,11-octadecadienoic acid	59618510	59757502	88719950	299638580	299640961	301631261	35912703	55308742	32707889	47461387	57089496	61899121
20	5,8-Dihydroxy-9,12-octadecadienoic acid	266515024	269010727	267357003	1277600205	1249120281	1282430388	137652879	135718378	136879272	215994344	214864192	217569872
21	Linolenic acid	2961823	4847546	3296549	24585289	23877071	25022500	1733993	1411582	1267320	3847531	3671323	3782428
22	8-Hydroxy-9,12-octadecadienoic acid	837403019	828418680	821683316	4157501065	4195326910	4226896799	346357432	345413978	343544960	762075758	770089058	783190463

23	16-Hydroxyhexadecanoic acid	742953206	777083575	669585368	1625303380	1667162952	1684788166	378066612	303359478	342375123	482830210	503259821	490721312
24	Linoleic acid	37288492	38593371	38516903	417474781	432718770	433310388	16965580	16718809	16097177	32917312	34054685	34726693
25	2-Hydroxystearic acid	148125731	141817315	133523750	490463763	394389754	345881947	52660276	73872289	95056405	88708272	88837812	88499215
<i>Steroids</i>													
26	Unknown steroid 1	307984650	309314123	306880840	1558425759	1550950289	1560511785	154720524	156574839	157124812	242112567	246765985	249224033
27	Polyporusterone G	373785799	379272662	386980223	1229465468	1238945375	1296182945	453769855	444024528	433087568	287183359	289317289	294495439
28	Unknown steroid 2	1015760468	1008556723	838388613	3367050513	3425631479	3334591432	534671865	531651231	574895454	662530531	683460415	649172305
<i>Peptides</i>													
29	Benzyl-2-[(1-hydroxy-4-methylpentan-2-yl)-carbamoyl]-pyrrolidine-1-carboxylate	8353053	4884233	7381608	28157448	14393871	27415389	2324113	2100678	2303874	6911510	3226063	6160792
30	2-Methyl-N-[N-[N-[(phenylmethoxy)-carbonyl]-isoleucyl]-leucyl]-alanine methyl ester	2845085640	2838958030	2833277791	724789884	691352166	679145175	1366833827	1387027055	1394823333	2323186456	2358028945	2411362529
<i>Other metabolites</i>													
31	Succinic acid	206105410	195688636	199651964	152540676	152654807	152279007	122583809	126122362	120220153	133975003	137659353	142704298
32	Maleic acid	291476364	108257484	274454440	90901230	89863565	89127428	173982449	174674762	171299166	180070296	107086595	116260851
33	Oxaceprol	26786300	25501869	25786029	4169703	1216644	3744153	19807423	20197237	20630609	23713103	24262413	24002589
34	Glutaric acid	48466226	32587202	41180812	22134313	22623865	26829142	35848311	39082559	36770656	19507054	23334923	25379521
35	Adipic acid	12925676	20783218	12849948	12601742	14559998	12579382	12188660	10833733	9355584	7495763	7217614	7773911
36	Hexanoic acid	2749949	3173908	2822566	7789539	7857952	7671062	5088647	5434419	5559689	1837014	1849447	2126494
37	Agaritine	1077364	965322	1095710	485736	658821	991272				803252	799733	858396
38	Indole-2-carboxylic acid	224492	331225	296836	1481457	1590832	1421858	326551	373104	561781	269397	303711	235836
39	Azelaic acid	22666303	22594317	22039730	31581320	32389687	31359062	29897333	29155039	30985163	14658350	14713914	14079920
40	Penipacid C	1862232	1979459	1955328	901909	923446	963770	396368	391725	366417	728261	722137	672616
41	Strobilactone A				5877766	5771365	6460217				178678	200874	131709