

Additional file 1

Table S1: The dataset for the experiments

fungi_id	fungi_name	family_name	pubchem_id	chem_name	nb_ref	antibiotic activity 0/1
211776	<i>Aspergillus fumigatus</i>	Aspergillaceae	403923	Fumitremorgin C	10	0
119834	<i>Alternaria alternata</i>	Pleosporaceae	5359485	Alternariol	9	0
148413	<i>Ganoderma lucidum</i>	Polyporaceae	444679	Ergosterol	6	0
100745	<i>Ganoderma australe</i>	Polyporaceae	444679	Ergosterol	3	0
119872	<i>Ganoderma applanatum</i>	Polyporaceae	444679	Ergosterol	3	0
504340	<i>Ophiocordyceps sinensis</i>	Ophiocordycipitaceae	444679	Ergosterol	3	0
182069	<i>Aspergillus nidulans</i>	Aspergillaceae	444679	Ergosterol	3	0
298052	<i>Gymnopilus spectabilis</i>	Strophariaceae	444679	Ergosterol	2	0
250886	<i>Phaeolepiota aurea</i>	Agaricaceae	444679	Ergosterol	2	0
315778	<i>Hypsizygus marmoreus</i>	Agaricaceae	444679	Ergosterol	2	0
236989	<i>Monilinia fructicola</i>	Sclerotiniaceae	121225493	(+)-Chloromonilicin	2	0
247956	<i>Penicillium aurantiogriseum</i>	Aspergillaceae	10892066	Conidiogenone	2	0
257047	<i>Cephalosporium aphidicola</i>	Cordycipitaceae	457964	Aphidicolin	10	1
303853	<i>Pleospora betae</i>	Pleosporaceae	457964	Aphidicolin	5	1
337192	<i>Pleospora bjoerlingii</i>	Neocamarosporiaceae	457964	Aphidicolin	5	1
284309	<i>Aspergillus niger</i>	Aspergillaceae	5748546	Flavasperone	6	1
815927	<i>Albifimbria verrucaria</i>	Stachybotryaceae	6326658	Verrucaric acid	5	1
815989	<i>Paramyrothecium roridum</i>	Stachybotryaceae	6326658	Verrucaric acid	3	1
245274	<i>Myrothecium verrucaria</i>	Stachybotryaceae	6326658	Verrucaric acid	2	1
283055	<i>Dendrodochium toxicum</i>	Bionectriaceae	6326658	Verrucaric acid	2	1
360246	<i>Tapinella atrotomentosa</i>	Tapinellaceae	99148	Atromentin	2	1
340026	<i>Thelephora aurantiotincta</i>	Thelephoraceae	99148	Atromentin	2	1
504278	<i>Ophiocordyceps heteropoda</i>	Ophiocordycipitaceae	6438394	Myriocin	2	1

The dataset contains ten chemical compounds (chem_name): five with (antibiotic activity = 1) and five without antibiotic activity (antibiotic activity = 0). For each relation of a selected chemical compound with a fungus (fungi_name) there is a number of references (nb_ref) describing the relation based on PubChem.