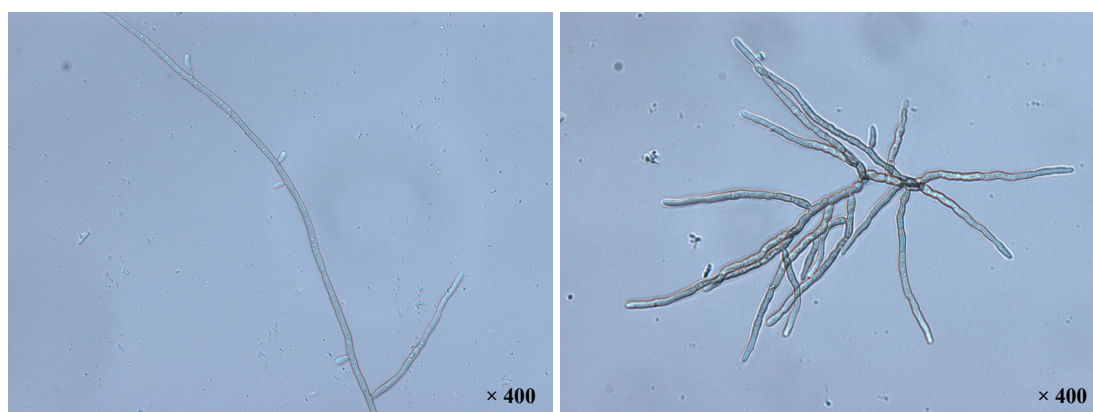


Table S1 Details of *Phialophora verrucosa* strains used in this study

Strain Number	Source	Geography	Genbank No. of ITS
BMU 02757	Phaeohyphomycosis; skin	Northern China	KF971724
BMU 07163	Phaeohyphomycosis; skin	Northern China	KF971725
BMU 04480	Chromoblastomycosis; face	Northern China	KF971726
BMU 03356	Chromoblastomycosis; hand	Eastern China	KF971727
BMU 01926	Phaeohyphomycosis; ear	Northern China	KF971728
BMU 07454	Phaeohyphomycosis; face	Eastern China	KF971729
BMU 04928	Phaeohyphomycosis; back	Northern China	KF971730
BMU 02669	Chromoblastomycosis; skin	Southern China	KF971731
BMU 01276	Chromoblastomycosis; skin	Unknown	KF971732
BMU 03344	Phaeohyphomycosis; ear	Northern China	KF971733
BMU 01245	Chromoblastomycosis; skin	China	KF971734
BMU 05960	Phaeohyphomycosis; skin	Northern China	KF971735
BMU 03979	Phaeohyphomycosis; lymph node	Northern China	KF971736
BMU 02323	Chromoblastomycosis; skin	China	KF971737
BMU 03082	Chromoblastomycosis; skin	Eastern China	KF971738
BMU 01843	Phaeohyphomycosis; ear	Northern China	KF971739
BMU 06170	Phaeohyphomycosis; skin	Unknown	KF971740
BMU 01246	Chromoblastomycosis; skin	Northern China	KF971741
BMU 01845	Phaeohyphomycosis; ear	Northern China	KF971742
BMU 01244	Chromoblastomycosis; skin	Japan	KF971743
BMU 02758	Phaeohyphomycosis; skin	Northern China	KF971744
BMU 00848	Phaeohyphomycosis; ear	Northern China	KF971745
BMU 00849	Chromoblastomycosis; skin	Eastern China	KF971746
BMU 00512	Phaeohyphomycosis; ear	Northern China	KF971747
BMU 07066	Chromoblastomycosis; upper limb	Northern China	KF971759
BMU 07346	Phaeohyphomycosis; upper limb	Eastern China	KF971760
BMU 07506	Phaeohyphomycosis; leg	Eastern China	KF971761
BMU 01890	Chromoblastomycosis; skin	Southern China	KF971765
BMU 07678	Phaeohyphomycosis; leg	Northern China	KJ701008
BMU 07676	Phaeohyphomycosis; face	Southern China	KJ701006
BMU 07677	Phaeohyphomycosis; face	Southern China	KJ701007
BMU 00125	Bark of Jiamusi	Northern China	KF971748
BMU 00441	Stem of Hainan	Southern China	KF971749
BMU 05998	Soil of patient's garden	Northern China	KF971750
BMU 05996	Bark of patient's garden	Northern China	KF971751
BMU 04541	Leaf of Changbaishan	Northern China	KF971752
BMU 00131	Deadwood of Beijing	Northern China	KF971766
BMU 06000	Soil of patient's garden	Northern China	KF971753
BMU 00132	Wheat of Jiamusi	Northern China	KF971754

BMU 00127	Bark of Hainan	Southern China	KF971755
BMU 05997	Soil of patient's garden	Northern China	KF971756
BMU 00447	Bark of Zhanjiang	Southern China	KF971757
BMU 04493	Soil of Lushuihe	Northern China	KF971758
BMU 04507	Bark of Lushuihe	Northern China	KF971762
BMU 04522	Leaf of Lushuihe	Northern China	KF971763
BMU 00121	Leaf of Jiamusi	Northern China	KF971764



A: BMU 07163, caspofungin 2 $\mu\text{g}/\text{ml}$

B: BMU 07163, caspofungin 4 $\mu\text{g}/\text{ml}$

Fig. S1 The growth morphology of hyphal under different concentrations of caspofungin. A, when caspofungin was 2 $\mu\text{g}/\text{ml}$, the hyphal grow healthy; B, when caspofungin was 4 $\mu\text{g}/\text{ml}$, the hyphal appeared wrinkled, short and increasing in branch.