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Plant growth-promoting fungus (PGPF) *Alternaria* sp. A13 markedly enhances *Salvia miltiorrhiza* root growth and active ingredient accumulation under greenhouse and field conditions

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Supplementary Information

Table S1 Essential information of the 28 candidates.

Fig. S1 Inhabitats of *Salvia miltiorrhiza*.

Fig. S2 Greenhouse and field experiment of *Salviae miltiorrhiza*.

Table S1 Essential information of the 28 candidates

Isolates	Habitat	Tissue	GenBank Accession No.
<i>Alternaria</i> sp. A1	semi-wild	root	MG515036
<i>Alternaria</i> sp. A2	semi-wild	root	MG515047
<i>Alternaria</i> sp. A3	semi-wild	root	MG515057
<i>Alternaria</i> sp. A4	pot-culture	root	MG515058
<i>Alternaria</i> sp. A5	pot-culture	root	MG515059
<i>Alternaria</i> sp. A6	pot-culture	root	MG515060
<i>Alternaria</i> sp. A7	pot-culture	root	MG515061
<i>Alternaria</i> sp. A8	pot-culture	root	MG515062
<i>Alternaria</i> sp. A9	pot-culture	root	MG515063
<i>Alternaria</i> sp. A10	pot-culture	root	MG515037
<i>Alternaria</i> sp. A11	farmland	root	MG515038
<i>Alternaria</i> sp. A12	farmland	root	MG515039
<i>Alternaria</i> sp. A13	farmland	root	MG515040
<i>Alternaria</i> sp. A14	wild (>2 years)	shoot	MG515041
<i>Alternaria</i> sp. A15	wild (>2 years)	shoot	MG515042
<i>Alternaria</i> sp. A16	pot-culture	shoot	MG515043
<i>Alternaria</i> sp. A17	pot-culture	shoot	MG515044
<i>Alternaria</i> sp. A18	wild	leaf	MG515045
<i>Alternaria</i> sp. A19	wild (>2 years)	leaf	MG515046
<i>Alternaria</i> sp. A20	wild (>2 years)	leaf	MG515048
<i>Alternaria</i> sp. A21	wild (>2 years)	leaf	MG515049
<i>Alternaria</i> sp. A22	semi-wild	leaf	MG515050
<i>Alternaria</i> sp. A23	pot-culture	leaf	MG515051
<i>Alternaria</i> sp. A24	pot-culture	leaf	MG515052
<i>Alternaria</i> sp. A25	pot-culture	leaf	MG515053
<i>Alternaria</i> sp. A26	pot-culture	leaf	MG515054
<i>Alternaria</i> sp. A27	farmland	leaf	MG515055
<i>Alternaria</i> sp. A28	farmland	leaf	MG515056



Fig. S1 Inhabitats of *Salvia miltiorrhiza*.

Salvia miltiorrhiza inhabited wild(A), semi-wild(B), farmland(C) and pot-cultured(D).



Fig. S2 Greenhouse and field experiment of *Salviae miltiorrhiza*.

Greenhouse experiment after inoculation 0-month(A); Field experiment after inoculation 4-months(B); *Salviae miltiorrhiza* roots without inoculation cultured for 6-months in the field(C); *Salviae miltiorrhiza* roots after inoculation with A13 cultured for 6-months in the field(D) .