

Table S4. Genetic identifications of isolates from both methods

Fungi	Isolates	Accessions numbers	Sampled localities coordinates
<i>Aspergillus</i> sp.	Ag4	ON121942	Agnibilékrou
<i>Aspergillus terreus</i>	A324	ON121966	Agnibilékrou
<i>Beauveria bassiana</i>	A211	ON121958	Agnibilékrou
<i>Beauveria bassiana</i>	A214a	ON121959	Agnibilékrou
<i>Beauveria bassiana</i>	A214b	ON121960	Agnibilékrou
<i>Chaetomium arcuatum</i>	Ag3	ON121941	Agnibilékrou
<i>Curvularia</i> sp.	Ga7	ON121951	Gagnoa
<i>Fusarium equiseti</i>	Fei4	ON121948	Ferkessedougou
<i>Neocosmospora solani</i>	Agi1	ON121944	Agnibilékrou
<i>Neocosmospora solani</i>	Agi2	ON121945	Agnibilékrou
<i>Neocosmospora solani</i>	Agi4	ON121946	Agnibilékrou
<i>Neocosmospora solani</i>	A34	ON121973	Agnibilékrou
<i>Neocosmospora solani</i>	G35	ON121974	Gagnoa
<i>Neocosmospora solani</i>	G151	ON121975	Gagnoa
<i>Neocosmospora solani</i>	T15	ON121976	Tiassalé
<i>Neocosmospora solani</i>	T25	ON121977	Tiassalé
<i>Neocosmospora solani</i>	T112	ON121978	Tiassalé
<i>Fusarium oxysporum</i>	G132	ON121979	Gagnoa
<i>Fusarium oxysporum</i>	T342	ON121980	Tiassalé
<i>Fusarium oxysporum</i>	T113	ON121981	Tiassalé
<i>Fusarium</i> sp.	A323	ON121982	Agnibilékrou
<i>Fusarium</i> sp.	G212	ON121983	Gagnoa
<i>Metarhizium anisopliae</i>	T35	ON121962	Tiassalé
<i>Metarhizium anisopliae</i>	T331	ON121963	Tiassalé
<i>Metarhizium</i> sp.	T141	ON121961	Tiassalé
<i>Mortierella</i> sp.	T221	ON121967	Tiassalé
<i>Mucor indicus</i>	Ko1	ON121952	Korhogo
<i>Mucor irregularis</i>	Agi6	ON121947	Agnibilékrou
<i>Penicillium expansum</i>	A321	ON121971	Agnibilékrou
<i>Penicillium</i> sp.	A242	ON121970	Agnibilékrou
<i>Penicillium</i> sp.	A131	ON121972	Agnibilékrou
<i>Penicillium</i> sp.	Ga4	ON121950	Gagnoa
<i>Pseudothielavia arxii</i>	Ag1	ON121940	Agnibilékrou
<i>Pseudothielavia arxii</i>	Ag5	ON121943	Agnibilékrou
<i>Rhizopus arrhizus</i>	A122	ON121965	Agnibilékrou
<i>Rhizopus homothallicus</i>	Ou2	ON121955	Ouangelodougou
<i>Talaromyces amestolkiae</i>	A213	ON121969	Agnibilékrou
<i>Talaromyces</i> sp.	A212	ON121968	Agnibilékrou
<i>Talaromyces</i> sp.	Ga3	ON121949	Gagnoa
<i>Trametes polyzona</i>	Ko2	ON121953	Korhogo
<i>Pseudothielavia arxii</i>	Ou3	ON121956	Ouangelodougou
<i>Trichoderma harzianum</i>	A331	ON121964	Agnibilékrou
<i>Trichoderma asperellum</i>	Ou5	ON121957	Ouangelodougou
<i>Trichoderma longibrachiatum</i>	Ko4	ON121954	Korhogo