

Table S1. Strains of *Fonsecaea* spp. involved in the ITS world haplotype network and their global distribution.

Haplotype number	Number of strains	Strain number	Countries	Agent
Hap1	19	MF179511, AY857512, EU938600, EU938581, , KX434639, KX434635, KX434636, KX434637, KX434638, KX434641, EU938583, EU938579, AY366928, MF179511AY366926, EU938580, KP132195, KC283184, KC614700	Brazil, China, USA, Cuba, Poland	<i>F. monophora</i>
Hap2	1	KX434631	Brazil	<i>F. monophora</i>
Hap3	1	KX434632	Brazil	<i>F. monophora</i>
Hap4	1	KX434640	Brazil	<i>F. monophora</i>
Hap5	3	EU938582, EU938548, KP132194	Brazil	<i>F. monophora</i>
Hap6	5	FJ785471, KP132193, KY303869, KM225277, KY310638	India, Guinea	<i>F. monophora</i>
Hap7	1	EU938584	USA	<i>F. monophora</i>
Hap8	1	EU285268	China	<i>F. monophora</i>
Hap9	2	EU285270, EU285273	China	<i>F. monophora</i>
Hap10	1	MH382090	Brazil	<i>F. monophora</i>
Hap11	1	MH382084	Brazil	<i>F. monophora</i>
Hap12	1	KX434639	Brazil	<i>F. monophora</i>
Hap13	28	KC886421, KP132197, JQ906791, JN418760, JQ906793, JN418762, FJ595996, EF513771, EF513770, EF513769, EF513766, EF513765, EF513764, EF513761, KX078402, KX078386, EU285269, KX078401, KX078389, KX078388, EU285272, KX078380, KX078398, KX078399, KX078394, KX078387, KX078395, KX078392	China	<i>F. monophora</i>
Hap14	1	EF513768	China	<i>F. monophora</i>
Hap15	1	KM396287	Malaysia	<i>F. monophora</i>

Hap16	14	KX078391, KX078397, KX078393, KX078382, EF513767, EF513760, EF513762, EF513763, EF513759, KX078400, KX078378, KX078390, KX078385, JN629041	China	<i>F. monophora</i>
Hap17	2	AY366926, AY366986	Brazil	<i>F. monophora</i>
Hap18	1	EU938579	Brazil	<i>F. monophora</i>
Hap19	1	AY366928	Brazil	<i>F. monophora</i>
Hap20	1	KC886423	Brazil	<i>F. pedrosoi</i>
Hap21	2	KX434682, KU881745	Brazil	<i>F. pedrosoi</i>
Hap22	70	KX434642, KR732301, KR732303, KR732304, KR732305, KX434643, KX434644, KX434645, KX434646, KX434647, KX434648, KX434649, KX434650, KX434651, KX434652, KX434653, KX434654, KX434655, KX434656, KX434657, KX434658, KX434659, KX434660, KX434661, KX434662, KX434663, KX434664, KX434665, KX434666, KX434667, KX434668, KX434669, KX434670, KX434671, KX434672, KX434673, KX434674, KX434675, KX434676, KX434677, KX434678, KX434679, KX434704, KX434680, KX434681, KX434682, KX434683, KX434684, KX434685, KX434686, KX434687, KX434688, KX434689, KX434690, KX434691, KX434692, KU881736, KU881744, KX434710, KX434717, KX434711, KX434712, KX434713, KX434714, AY366918, AY366920, AY366913, EU938588, EU938586, EU938587	Brazil, Argentina, Lybia, Venezuela	<i>F. pedrosoi</i>
Hap23	7	KX434693, KX434694, KX434695, KX434696, KX434697, KX434698, KX434699	Brazil	<i>F. pedrosoi</i>

Hap24	1	KX434700	Brazil	<i>F. pedrosoi</i>
Hap25	1	KX434709	Brazil	<i>F. pedrosoi</i>
Hap26	1	AY366919	Brazil	<i>F. pedrosoi</i>
Hap27	1	KX434702	Brazil	<i>F. pedrosoi</i>
Hap28	1	KX434704	Brazil	<i>F. pedrosoi</i>
Hap29	1	KX434705	Brazil	<i>F. pedrosoi</i>
Hap30	1	KX434720	Brazil	<i>F. pedrosoi</i>
Hap31	1	KX434721	Brazil	<i>F. pedrosoi</i>
Hap32	1	KX434678	Brazil	<i>F. pedrosoi</i>
Hap33	1	AY366912	-	<i>F. pedrosoi</i>
Hap34	1	AY366915	Puerto Rico	<i>F. pedrosoi</i>
Hap35	1	AY366921	Uruguay	<i>F. pedrosoi</i>
Hap36	1	KX434701	Brazil	<i>F. pedrosoi</i>
Hap37	1	KX434703	Brazil	<i>F. pedrosoi</i>
Hap38	1	KC886422	Brazil	<i>F. pedrosoi</i>
Hap39	2	KU892412, KU881735	Brazil	<i>F. nubica</i>
Hap40	1	KX084063	China	<i>F. nubica</i>
Hap41		KF155217, KP132198, MF038001, KX084064, KX078407, KX078410, KX078404	China	<i>F. nubica</i>
Hap42	1	KX078408	China	<i>F. nubica</i>
Hap43	1	KU885982	China	<i>F. nubica</i>
Hap44	1	KX084065	China	<i>F. nubica</i>
Hap45	1	AY366931	Suriname	<i>F. nubica</i>
Hap46	1	EU938592	Cameroon	<i>F. nubica</i>
Hap47	3	KP132199, KX084066, KX078409	China	<i>F. nubica</i>
Hap48	1	KX078403	China	<i>F. nubica</i>
Hap49	1	KX078406	China	<i>F. nubica</i>
Hap50	1	KX078405	China	<i>F. nubica</i>
Hap51	1	EU938589	Mexico	<i>F. pedrosoi</i>

Hap52	1	MH858792	Venezuela	<i>F. pedrosoi</i>
Hap53	1	KU881739	Brazil	<i>F. nubica</i>
Hap54	1	EU938591	Puerto Rico	<i>F. pedrosoi</i>
Hap55	1	EU938590	Mexico	<i>F. pedrosoi</i>
Hap56	1	KU892413	Brazil	<i>F. pedrosoi</i>
Hap57	1	KU8811742	Brazil	<i>F. nubica</i>
Hap58	1	KR706553	Brazil	<i>F. pugnacius</i>
Hap59	1	EU137319	Brazil	<i>F. monophora</i>