

Table S1. The other *Altenraria* species associated with the Compositae plants from China analyzed by phylogeny.

Section/ Monotypic lineage	Species	Strain	Locality	Substrate	GAPDH	RPB2
Porri	<i>A. calendulae</i>	YZU 161196	China	<i>Brachyactis ciliata</i> , leaf	ON243980	ON263326
		YZU 171080	China	<i>Calendula officinalis</i> , leaf	ON243983	ON263329
	<i>A. tagetica</i>	YZU 171201	China	<i>C. officinalis</i> , leaf	ON243982	ON263328
	<i>A. zinniae</i>	YZU 171353	China	<i>Zinnia elegans</i> , leaf	ON243979	ON263325
Sonchi	<i>A. cinerariae</i>	CBS 116495 R	USA	<i>Ligularia</i> sp.	KC584109	KC584389
		YZU 151063	China	<i>Carthamus tinctorius</i>	-	MH285937
		YZU 171105	China	<i>Pericallis hybrida</i>	-	MH285939
		YZU 171228	China	<i>Senecio cineraria</i>	MH285947	MH285940
	<i>A. sonchi</i>	YZU 171971	China	<i>Gynura divaricata</i>	MH285948	MH285941
		YZU 191293	China	<i>Tussilago farfara</i>	-	MN584905
		CBS 119675 R	Canada	<i>Sonchus asper</i>	KC584142	KC584433
		YZU 171131	China	<i>Sonchus oleraceus</i>	-	ON263330
Teretispora	<i>A. leucanthemi</i>	CBS 421.65 T	Netherlands	<i>Chrysanthemum maximum</i>	KC584164	KC584472
		CBS 422.65 R	USA	<i>C. maximum</i>	KC584165	KC584473
		YZU 161177	China	<i>Carthamus tinctorius</i> , leaf	ON243981	ON263327
Helianthiinficientes	<i>A. helianthiinficiens</i>	CBS 208.86 T	USA	<i>Helianthus annuus</i>	KC584120	KC584403
		CBS 117370 R	UK	<i>H. annuus</i>	KC584119	KC584402
		YZU 161169	China	<i>Cosmos bipinnatus</i> , leaf	MF414167	MH285936
Monotypic lineage	<i>A. argyranthemum</i>	CBS 116530 T	New Zealand	<i>Argyranthemum</i> sp.	KC584098	KC584378
		YZU 171067	China	<i>Chrysanthemum coronarium</i>	MG674139	MG647617
	<i>Cicatricea salina</i>	CBS 302.84 T	North Sea	<i>Cancer pagurus</i>	JN383467	KC584450

Note: GenBank accession numbers in bold indicate the newly generated sequences. T: ex-type strain; R: representative strain.