

**TableS2** Reference sequences used to make alignment

Genus	Referred sequence number	Referred sequence number of objective	Objectibe fungi	Example accession No.
<i>Absidia</i>	57	12	<i>Absidia corymbifera</i>	FJ345350
<i>Alternaria</i>	42	-	<i>Alternaria alternata</i>	FJ717729
<i>Aspergillus</i>	110	15	<i>Aspergillus flavus</i>	HQ340110
		30	<i>Aspergillus fumigatus</i>	EF669999
		22	<i>Aspergillus nidulans</i>	AB248971
		18	<i>Aspergillus niger</i>	HQ607993
		15	<i>Aspergillus terreus</i>	AB369899
<i>Blastomyces</i>	9	6	<i>Blastomyces dermatitidis</i>	U18364
<i>Candida</i>	140	33	<i>Candida albicans</i>	HM016890
		20	<i>Candida dubliniensis</i>	AB369916
		12	<i>Candida famata</i>	HE681104
		18	<i>Candida glabrata</i>	AB467297
		8	<i>Candida guilliermondii</i>	AB369917
		6	<i>Candida kefyr</i>	GU256755
		5	<i>Candida krusei</i>	AY939808
		7	<i>Candida lusitaniae</i>	AY174102
		13	<i>Candida parapsilosis</i>	AB109231
		4	<i>Candida rugosa</i>	GU144663
		9	<i>Candida tropicalis</i>	AB467289
5	<i>Candida zeylanoides</i>	AB278160		
<i>Coccidioides</i>	8	5	<i>Coccidioides posadasii</i>	AB232896
<i>Cryptococcus</i>	56	20	<i>Cryptococcus gattii</i>	FJ534877
		13	<i>Cryptococcus neoformans</i>	CP003821
<i>Cunninghamella</i>	11	6	<i>Cunninghamella bertholletiae</i>	AF254931
<i>Epidermophyton</i>	7	4	<i>Epidermophyton floccosum</i>	AY213646
<i>Exophiala</i>	21	21	<i>Exophiala dermatitidis</i>	AF147495
<i>Fusarium</i>	111	-	<i>Fusarium oxysporum</i>	HQ148098
		64	<i>Fusarium solani (Fusarium solani complex: FSS</i>	AB551665
<i>Histoplasma</i>	10	8	<i>Histoplasma capsulatum</i>	AB071821
<i>Malassezia</i>	24	8	<i>Malassezia furfur</i>	AB105151
<i>Microsporum</i>	28	6	<i>Microsporum canis</i>	AB193669
		5	<i>Microsporus gypseum</i>	AB193671
<i>Mucor</i>	32	-	<i>Mucor hiemalis</i>	AY243951
<i>Paracoccidioides</i>	4	4	<i>Paracoccidioides brasiliensis</i>	AB304448
<i>Penicillium</i>	30	8	<i>Penicillium marneffeii</i>	AB353919
<i>Pichia</i>	35	2	<i>Pichia anomala</i>	KC568565
		3	<i>Pichia norvegensis</i>	AB278169
<i>Rhizomucor</i>	12	-	<i>Rhizomucor miehei</i>	HM999960
		-	<i>Rhizomucor pusillus</i>	AB369914

<i>Rhizopus</i>	40	13	<i>Rhizopus microsporus</i>	DQ641315
		5	<i>Rhizopus oryzae</i>	DQ641354
<i>Rhodotorula</i>	39	7	<i>Rhodotorula mucilaginosa</i>	AF444738
<i>Scedosporium</i>	35	10	<i>Scedosporium prolificans</i>	EF568078
<i>Sporothrix</i>	30	7	<i>Sporothrix schenckii</i>	AB089139
<i>Trichophyton</i>	42	11	<i>Trichophyton rubrum</i>	AB194245
		10	<i>Trichophyton mentagrophytes</i>	JQ928411
		8	<i>Trichophyton tonsurans</i>	AB220044
<i>Trichosporon</i>	35	11	<i>Trichosporon asahii</i>	AB369919
		-	<i>Trichosporon asteroides</i>	FJ943421
		9	<i>Trichosporon cutaneum</i>	AB018020