

Supplementary Table 1

Details of strains of *Aspergillus* sect. *Nigri* used in this study.

Species name at deposition	Strain ^a	Source	Locality	GenBank/DDBJ Accession No.			Clade ^b
				ITS	calmodulin	β-tubulin	
<i>Aspergillus aculeatus</i>	NBRC 5330 (ex-type of <i>A. yezoensis</i>)	butter	Japan	LC573561	LC573676	-	VI
“ <i>A. awamori</i> ”	NBRC 31348	cultivated soil	Japan	LC573562	LC573677	LC573620	VII
	NBRC 4115	unknown	unknown (Japan?)	LC573563	LC573678	LC573621	I-1
	NBRC 4119	unknown	unknown (Japan?)	LC573564	LC573679	LC573622	I-1
	NBRC 4120	unknown	unknown (Japan?)	LC573565	LC573680	LC573623	I-1
	NBRC 4125	unknown	unknown (Japan?)	LC573566	LC573681	LC573624	I-1
	NBRC 4388 (ex-type of <i>A. usamii</i>)	kuro-koji	unknown (Japan?)	LC573567	LC573682	LC573625	I-1
	NBRC 4397	unknown	unknown (Japan?)	LC573568	LC573683	LC573626	I-1
	NBRC 6082	unknown	unknown (Japan?)	LC573569	LC573684	LC573627	I-1
	NBRC 8875	core samples from stratigraphic drillings	Japan	LC573570	LC573685	LC573628	I-1
	NBRC 8876	core samples from stratigraphic drillings	Japan	LC573571	LC573686	LC573629	I-1
	NBRC 8877	core samples from stratigraphic drillings	Japan	LC573572	LC573687	LC573630	I-1
<i>A. awamori</i> var. <i>fumeus</i>	NBRC 109442	unknown	Japan	LC573573	LC573688	-	I-1
<i>A. brasiliensis</i>	NBRC 6341	unknown	unknown	LC573574	LC573689	LC573631	II
	NBRC 9455	blueberry, <i>Vaccinium</i> sp.	USA	LC573575	LC573690	LC573632	II
	NBRC 105650	wireless radio equipment	Australia	LC573576	LC573691	LC573633	II
<i>A. carbonarius</i>	NBRC 4030	unknown	unknown	LC573577	LC573692	LC573634	VI
	NBRC 4038	unknown	unknown (Japan?)	LC573578	LC573693	LC573635	V
<i>A. ficuum</i>	NBRC 4039	unknown	unknown	LC573579	LC573694	LC573636	V
	NBRC 5864	unknown	unknown	LC573580	LC573695	LC573637	V
	NBRC 4034	unknown	unknown	LC573581	LC573696	LC573638	I-1
<i>A. foetidus</i>	NBRC 4318	unknown	unknown	LC573582	LC573697	LC573639	I-1
	NBRC 4320	unknown	unknown	LC573583	LC573698	LC573640	I-1
	NBRC 4031 ^{NT}	awamori-koji	unknown (Japan?)	LC573584	LC573699	LC573641	I-1
<i>A. foetidus</i> var. <i>acidus</i>	NBRC 4122	unknown	unknown	LC573585	LC573700	LC573642	I-1
	NBRC 4312	unknown	unknown	LC573586	LC573701	LC573643	I-1
	NBRC 4338	unknown	unknown	LC573587	LC573702	LC573644	III
	NBRC 4121	unknown	unknown (Japan?)	LC573588	LC573703	LC573645	III
	NBRC 4118	unknown	unknown (Japan?)	LC573589	LC573704	LC573646	III
<i>A. foetidus</i> var. <i>pallidus</i>	NBRC 4123	unknown	unknown (Japan?)	LC573590	LC573705	LC573647	III
<i>A. japonicus</i>	NBRC 4060	unknown	unknown (Japan?)	LC573591	LC573706	LC573648	VI
	NBRC 4337	unknown	unknown (Japan?)	LC573592	LC573707	LC573649	VI

	NBRC 4408	soil	unknown (Japan?)	LC573593	LC573708	LC573650	VI
	NBRC 32856	living leaf of <i>Phragmites karka</i>	Japan	LC573594	LC573709	LC573651	VI
<i>A. kawachii</i>	NBRC 4308	unknown	unknown (Japan?)	LC573595	LC573710	LC573652	III
<i>A. luchuensis</i>	NBRC 4033	awamori-koji	Japan	LC573596	LC573711	LC573653	III
	NBRC 4281 ^T	awamori-koji	Japan	LC573597	LC573712	JX500062	III
	NBRC 4314	unknown	unknown (Japan?)	LC573598	LC573713	LC573654	III
	NBRC 6086	tane-koji	unknown (Japan?)	LC573599	LC573714	LC573655	III
<i>A. neoniger</i>	NBRC 111188	awamori-koji	Japan	LC573600	LC573715	LC573656	III
	NBRC 4068	tobacco	unknown (Japan?)	LC573601	LC573716	LC573657	IV-1
	NBRC 8872	core samples from stratigraphic drillings	Japan	LC573602	LC573717	LC573658	IV-1
	NBRC 8873	core samples from stratigraphic drillings	Japan	LC573603	LC573718	LC573659	IV-1
	NBRC 113385 ^T (= NRRL 62634 ^T , CBS 115656 ^T)	sulphur sponge in mangrove, <i>Verongia</i> sp.	Venezuela	KC796401	KC796377	KC796361	IV-1
<i>A. niger</i>	NBRC 6428 (= NRRL 337, ex-type of <i>A.</i> <i>citrus</i>)	unknown	German	LC573604	LC573719	LC573660	I-1
	NBRC 6661 (= NRRL 330)	plant galls	China	LC573605	LC573720	LC573661	I-1
	NBRC 31012	crown of <i>Arachis</i> <i>hypogaea</i>	Japan	LC573606	LC573721	LC573662	I-2
	NBRC 31638	decayed leaf of <i>Eucalyptus</i> sp.	Pakistan	LC573607	LC573722	LC573663	I-2
	NBRC 33023 ^{NT} (= CBS 554.65 ^{NT})	tannin-gallic acid fermentation	USA	LC573608	LC573723	LC573664	I-1
	NBRC 105649 (= NRRL 334)	leather	unknown	LC573609	LC573724	LC573665	I-1
<i>A. niger</i> var. <i>niger</i> f. <i>hennebergii</i>	NBRC 4043 (ex-type of <i>A.</i> <i>cinamomeus</i>)	unknown	unknown	LC573610	LC573725	LC573666	I-2
<i>A. phoenicis</i>	NBRC 6648	unknown	unknown	LC573611	LC573726	LC573667	I-1
	NBRC 6649	whole shelled corn	unknown	LC573612	LC573727	LC573668	I-2
	NBRC 6650	whole shelled corn	unknown	LC573613	LC573728	LC573669	I-2
	NBRC 8874	core samples from stratigraphic drillings	Japan	LC573614	LC573729	LC573670	I-1
<i>A. turingensis</i>	NBRC 4050	unknown	unknown	LC573615	LC573730	LC573671	IV-2
	NBRC 4280	unknown	unknown	LC573616	LC573731	LC573672	IV-2
	NBRC 4407	soil	unknown	LC573617	LC573732	LC573673	IV-2
	NBRC 113384 ^T (=NRRL 4875 ^T)	unknown	unknown	EF661193	EF661151	EF661086	IV-2
	NBRC 7523	unknown	unknown	LC573618	LC573733	LC573674	IV-2
	NBRC 31125	soil in organic layer	unknown	LC573619	LC573734	LC573675	IV-2

^a Abbreviations. CBS: Westerdijk Fungal Biodiversity Institute, Netherlands. NBRC: Biological Resource Center, the National Institute of Technology and Evaluation, Japan. NRRL: Agricultural Research Service Culture Collection, National Center for Agricultural Utilization Research, USA. The superscripts ^T and ^{NT} indicate an ex-type and ex-neotype strains, respectively.

^b Phylogenetic clade by calmodulin gene.