

**Table 1 Database accession numbers of laccase sequences for phylogenetic analysis**

<b>Phylogenetic group</b>	<b>Laccase name</b>	<b>Accession number</b>
<b>Plants</b>	<i>Arabidopsis thaliana</i>	AtLAC1 [TAIR: AT1G18140]
		AtLAC2 [TAIR: AT2G29130]
		AtLAC3 [TAIR: AT2G30210]
		AtLAC4 [TAIR: AT2G38080]
		AtLAC5 [TAIR: AT2G40370]
		AtLAC6 [TAIR: AT2G46570]
		AtLAC7 [TAIR: AT3G09220]
		AtLAC8 [TAIR: AT5G01040]
		AtLAC9 [TAIR: AT5G01050]
		AtLAC10 [TAIR: AT5G01190]
		AtLAC11 [TAIR: AT5G03260]
		AtLAC12 [TAIR: AT5G05390]
		AtLAC13 [TAIR: AT5G07130]
		AtLAC14 [TAIR: AT5G09360]
		AtLAC15 [TAIR: AT5G48100]
		AtLAC16 [TAIR: AT5G58910]
		AtLAC17 [TAIR: AT5G60020]
	<i>Brachypodium distachyon</i>	BdLAC5 [Phytozome: Bradi1g66720]
	<i>Brassica napus</i>	BnTT10-1 [Genbank: AEK27149]
	<i>Gossypium arboreum</i>	GaLAC1 [Genbank: AAR83118]
	<i>Populus trichocarpa</i>	PtLAC3 [EMBL: CAA74103]
		PtLAC90 [EMBL: CAA74104]
		PtLAC110 [EMBL: CAA74105]
	<i>Saccharum officinarum</i>	SofLAC [SUCEST: SCUTST3084C11.g]
	<i>Zea mays</i>	ZmLAC1 [Genbank: AAX83112]
		ZmLAC2 [EMBL: CAJ30498]
		ZmLAC3 [EMBL: CAJ30499]
		ZmLAC4 [EMBL: CAJ30500]
		ZmLAC5 [EMBL: CAJ30497]
<b>Fungi</b>	<i>Botrytis cinerea</i>	BcLcc1 [Genbank: AAK77952]
		BcLcc2 [Genbank: AAK77953]
	<i>Colletotrichum lagenarium</i>	ClLac1 [Genbank: BAB32575]
	<i>Coprinopsis cinerea</i>	CcLcc1 [Genbank: AAD30964]
		CcLcc2 [Genbank: AAD30965]
		CcLcc3 [Genbank: AAD30966]
	<i>Cryphonectria parasitica</i>	CpLac1 [Genbank: AAA09235]
	<i>Melanocarpus albomyces</i>	MaLac1 [EMBL: CAE00180]
	<i>Neurospora crassa</i>	NcLac1 [Genbank: EAA27703]
	<i>Podospora anserina</i>	PaLac2 [EMBL: CAA70061]
	<i>Polyporus ciliatus</i>	PcLcc3-2 [Genbank: AAG09230]
	<i>Pycnoporus cinnabarinus</i>	PcLac1 [Genbank: AAG13724]

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	<i>Trametes versicolor</i>	TveLac 1	[Genbank: BAD98305]
		TveLac 2	[Genbank: BAD98306]
		TveLac 3	[Genbank: BAD98307]
		TveLac 4	[Genbank: BAD98308]
	<i>Trametes villosa</i>	TviLcc1	[Genbank: AAC41686]
		TviLcc2	[Genbank: AAC41687]
		TviLcc3	[Genbank: AAB47733]
		TviLcc4	[Genbank: AAB47734]
		TviLcc5	[Genbank: AAB47735]
<b>Insects</b>	<i>Aedes aegypti</i>	AaLac1	[Genbank: AAY29698]
		AaLac2	[Genbank: AAY32604]
	<i>Bombyx mori</i>	BmLac2	[Genbank: BAG70891]
	<i>Culex pipiens pallens</i>	CppLac2	[Genbank: ACG63789]
	<i>Manduca sexta</i>	MsLac1	[Genbank: AAN17506]
		MsLac2	[Genbank: AAN17507]
	<i>Megacopta punctatissima</i>	MpLac2	[Genbank: BAJ83488]
	<i>Monochamus alternatus</i>	MaLac2	[Genbank: ABU68466]
	<i>Nephotettix cincticeps</i>	NcLac1S	[Genbank: BAJ06131]
		NcLac1G	[Genbank: BAJ06132]
		NcLac2	[Genbank: BAJ06133]
	<i>Nilaparvata lugens</i>	NIMCO2	[Genbank: AKN21380]
	<i>Pimpla hypochondriaca</i>	PhLac1	[EMBL: CAD20461]
	<i>Reticulitermes flavipes</i>	RfLacA	[Genbank: ACX54558]
		RfLacB	[Genbank: ACX54560]
	<i>Riptortus pedestris</i>	RpLac2	[Genbank: BAJ83487]
	<i>Tribolium castaneum</i>	TcLac1	[Genbank: AAX84206]
		TcLac2A	[Genbank: AAX84202]
		TcLac2B	[Genbank: AAX84203]
<b>Bacteria</b>	<i>Bacillus subtilis</i>	BsCotA	[EMBL:CAB12449]
	<i>Bacillus halodurans</i>	BhLbh1	[Genbank: AAP57087]
	<i>Escherichia coli</i>	EcCueO	[Genbank: AAC73234]
	<i>Marinomonas mediterranea</i>	MmPpoA	[Genbank: AAF75831]
	<i>Oceanobacillus iheyensis</i>	OiCotA	[Genbank: BAC13302]
	<i>Pseudomonas putida</i>	PpCumA	[Genbank:AAD24211]
	<i>Streptomyces griseus</i>	SgEpoA	[Genbank: BAB64332]
	<i>Streptomyces lavendulae</i>	SISTSL	[Genbank: BAC16804]

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