

Table 28 Comparison of N-terminal amino acid sequences of *Ganoderma* sp. KU-Alk4 laccases and the other fungal laccases.

Microorganisms	N-terminal amino acid sequences	Reference
<i>Ganoderma</i> sp. KU-Alk4,		
KULac 2	G I G P V A D L T V R G G D I	
KULac 1, 3, 4, 5	G I G P V T D L T I S N A D I	
<i>Ganoderma lucidum</i>	G I G P T	Ko <i>et al.</i> , 2001
<i>Dichomitus squaleus</i>	G I G P V T D L T I T N A D I A P	Périé <i>et al.</i> , 1998
<i>Trametes versicolor</i> I	A I G P V A S L V V A N A P V S P P P	Bourbonnais <i>et al.</i> , 1995
II	G I G P V A D L T I T D A A V S	
III	G I G P V A D L T I T D A E V S	
<i>Panus rudis</i>	A I G P V T D L H I V N D N I A P D G F	Zhang <i>et al.</i> , 2006
<i>Coriolus hirsutus</i>	A I G P T A D L T I S N A E V S P	Kojima <i>et al.</i> , 1990
<i>Ceriporiopsis subvermispora</i>	A I G P V T D L E I T D A F V A P	Fukushima and Kirk, 1995
<i>Pycnoporus cinnabarinus</i>	A I G P V A D L T L T N A A V S P	Eggert <i>et al.</i> , 1996
<i>Trametes villosa</i> I	A I G P V A D L V V A N A P V S P	Yaver <i>et al.</i> , 1996
<i>Trichophyton rubrum</i>	A I G P V A D L H I T D D T I A P	Jung <i>et al.</i> , 2002
<i>Pleurotus ostreatus</i>	A I G P T G D M Y I V N E D Y	Palmieri <i>et al.</i> , 1997
<i>Phlebia radiata</i>	S I G P V T D F H I V N A A V S P	Saloheimo <i>et al.</i> , 1991
<i>Phellinus ribis</i>	A I V S T P L L I P N A N C L	Min <i>et al.</i> , 2001
<i>Agaricus bisporus</i>	D T X K T F N F D L V N T R L A P	Perry <i>et al.</i> , 1993
<i>Neurospora crassa</i>	G G G G G C N S P T N R Q C W S P	Germann <i>et al.</i> , 1988