

Additional file 5

	* * :	**:	
Schizosaccharomyces japonicus	KRVVFSPPHFDN---SP-----GGFLPKHG-----IP-KKSILK	29	
Schizosaccharomyces pombe	KKVNFSSLEN---SP-----GGNRPSFG-----LP-KRGILK	29	
Paracoccidioides brasiliensis	KRVNFSPLTSY- IKPPSF TPNPNPKTRTPLRALLPSS-----NOYKP-SKSILK	46	
Coccidioides immitis	KRVNFSPLTSY- IKAPEFPASLAKNSRPPLRLSLRPS-----KOCKP-AKSILK	46	
Coccidioides posadasii	KRVNFSPLTSY- IKAPEFPASLAKNSRPPLSLRPS-----KOCKP-AKSILK	46	
Uncinocarpus reesii	KRVNFSPLTSY- IRTPDISSSLAK- TRCHLRSLRPS-----KOCKP-AKSILK	45	
Arthroderma benhamiae	KRVNFSPMASY- IKPPEFT-DHSMKPPTRLRLSLPPSS-----NOSVP-AKSILK	46	
Trichophyton verrucosum	KRVNFSPMASY- IKPPEFT-DHSMKPPTRLRLSLPPSS-----NOSVP-AKSILK	46	
Arthroderma gypseum	KRVNFSPMASY- IKPPEFT-DHSMKSLIRLRLSLPPSS-----NOSVP-AKSILK	46	
Arthroderma otae	KRVNFSPMASY- IKPPELT-DYSTKSYVRLRLSLPPSS-----SOSVP-AKSILK	46	
Tuber melanosporum	KRVGWSPWTKY- HK-P-D-SLLS---VTPIRSAIDP-----KS-LKSILK	37	
Chaetomium globosum	KKVGFSQAQAEY-KEPPVYPDGEGVRQHP--TPVSMP-R-----SASKP-VKSILK	45	
Podospora anserina	KKVGFSQAQAEY-KEAPVYGGGAVKQHP--TPVSLP-R-----SASKP-IKSILK	45	
Neurospora crassa	KRVGFSAKAEY-KDAPVFIDG-DKRQQP--TPVSLP-R-----SASKP-VKSILK	44	
Sordaria macrospora	KRVGFSAKAEY-KDAPVFIDG-DKRQQP--TPVSLP-R-----RASKP-VKSILK	44	
Magnaporthe oryzae	KKVEFSAKAEY-RE- PLEYQSNEDVRRQR-TPASIPHR-----SAP--VKSILK	44	
Glomerella graminicola	KRVGFSAKAQY-NEAPHYQG-VNVSGKR--SPLSVPS-----TOPKP-VKGILK	45	
Botryotinia fuckeliana	KKVWSEKVDY-KDPPKIITDRKTLA-VLSPLTP--S-----AERKA-TKSILK	45	
Sclerotinia sclerotiorum	KKVGWSEKVDY-KDPPKIITDKHILSAHVISPLTP--S-----AERKA-TKSILK	46	
Gibberella zeae	KKVEWSSHEY-KDPPD-LETSRFFKS---SPITTPSA-----ASSRP-IGKILK	44	
Nectria haematococca	KKVEWSSHEY-KEPPDYRDLTKYFRS---SPLSAPSS-----ASSKP-VKGILK	45	
Phaeosphaeria nodorum	KRVNFELQLCT---TPHKAIARSWTPSRSSPLRLPLPQT-----RVSRP-LKSILK	47	
Pyrenophora tritici-repentis	KRVNFEL--CD---IPNRTAIAHSWTPTRSSPLRLPLPQT-----RLIQP-LKSILK	45	
Leptosphaeria maculans	KRVNFELQLCA---IPTNNALTKDWTPTRSSPLRLPLPQT-----RVSLP-LKSILK	47	
Aspergillus clavatus	KRVNFSPWTKY- IKPPSFANATLK-SKSELKALPPS-----NECKP-AKSILK	45	
Aspergillus flavus	KRVNFSPWPK--SHP--N-----KSDLKALPPS-----NECKP-SKSILK	35	
Aspergillus oryzae	KRVNFSPWPK--SHP--N-----KSDLKALPPS-----NECKP-SKSILK	35	
Aspergillus niger	KRVNFSPWTRY- IKPPSF TNSAAK-SKSDLKSLPPS-----NECKP-TKSILK	45	
Aspergillus terreus	KRVNFSPWTRY- IKPPSF TDPAAAT-PEPELKALPPS-----NECKP-AKSILK	45	
Penicillium marneffei	KKVNFSPITSY- IKPPTFSSRASMSSENEVRPIPPS-----NECKP-AKSILK	45	
Talaromyces stipitatus	KKVNFSPITNY- IKPPTFSSRASMSSENEVRPIPPS-----NECKP-AKSILK	45	
Penicillium chrysogenum	KKVNFSPWPKY- IKPPTFAS-AMK-SAPDVKTIPPS-----PNSKP-TKSILK	44	
Ajellomyces capsulatus	KRVNFSPLTSY- IKPPSF TSNNAHKRTPLRALPPS-----NCKP-SKSILK	46	
Ajellomyces dermatitidis	KRVNFSPMITSY- IKPPSFASNSQKRTPLRALPPS-----NCKP-SKSILK	46	
Aspergillus fumigatus	KRVNFSPWTKY- IKPPSF TNSAPR-LKSELKELPPS-----NECKP-TKSILK	45	
Neosartorya fischeri	KRVNFSPWTKY- IKPPSF TNSALR-LKSELKELPPS-----NECKP-TKSILK	45	
Aspergillus nidulans	KRVNFSPWPKF- IKPPSF TN-----PKS--KALLPS-----NDLKP-VRSILK	39	
Candida glabrata	KSVSFLDESNN--NSEST-----SSN--SS-----KP-KKSILR	29	
Saccharomyces cerevisiae	KSVAFSDRIES--SPIYRIPG-----SSP-KPSPS-----SKP-GKSILR	36	
Vanderwaltozyma polyspora	KSVAFSDKIES--SPTNKDPL-----HTPSRPSSI-----TKP-KRSILR	37	
Zygosaccharomyces rouxii	KTVAFSDRVES--SPTQQTFR-----SSP-RPSSL-----QKP-VKSILR	36	
Kluyveromyces lactis	KGVSFSDRVES--SPTMQTMG-----SSPIRPSSM-----TKPPARSILK	38	
Lachancea thermotolerans	KSVAFSDQIDS--SPPASLH-----SSP-HRSSQ-----AVP-SKPILK	36	
Ashbya gossypii	KSVVFSEEVTS--SPIRATVS-----SSP-VRSAH-----NRPPSKSILK	37	
Candida albicans	KSVAFSDDLIS--DIP-----STPDNRHS-----S-GRSILK	29	
Candida dubliniensis	KSVAFSDDLIS--DIP-----STPERVHS-----P-GRSILK	29	
Candida tropicalis	KSVAFSDDLIS--DVP-----STPEGSQT-----S-GRSILK	29	
Debaryomyces hansenii	KSVAFSDDLVS--ELP-----SSPAAVHCG--SRLPVLHHTP-KKSILK	39	
Lodderomyces elongisporus	KSVLFSDLLIL--ELP-----STPEKFA-----TP-KRSILK	30	
Scheffersomyces stipitis	KSVAFSDDIAYNDDSP-A-----VVSSPDPRQT-----P-RGSILK	34	
Clavispora lusitaniae	KRVAFSDNIAS-DDFP-----DPFSDNFSD--G-----TP-QKSILK	33	
Pichia pastoris	KGVKFSEDVQL--SPPKIM-----SSP-RRR-----HTAT--KPILK	32	
Pyrenophora teres	KRVDF--KLCD---IPSKSDIAHSWTPTRSSPLRLPLPQ-----TRLTOP-LKSILK	45	

