

A.nidulans	KAMAKARAYDAENHVIDMNEMEESPADI	LLTHRPTGASMINIE
B.fragilis	KKLSELRSFSEENHVIDMKCMEEFPQDI	ELNHRNTGETMIYLN
B.subtilis	KKGKGAMAYQEETHVIDMYCMEEEPKAI	EAEHRSTGIHMISIE
C.vibriofo	KSKAAAREFDEQKHIIDMAVMEEEPKKI	QLEHRNTGSTMIAME
D.sp	ASPTIKLAYQANTHVIDMYVMEEKPKDI	MVDHRGTGVEMIKME
E.coli	KTGGAARAFQADTHVIDMYCMEEQPRAI	RVEHRKTGTEMIHMD
F.sinusara	LKYADYIEFNEEKHVIDMSCMEETPKKI	EVDRHSTGVTMIQME
M.leprae	DKPNLSRAFQQQKHIIDMYSAAEEAPREI	QLEHRNTGVTMIQMD
S.typhimur	KTGGAARAFQADTHVIDMYCMEEQPRAI	RVEHRKTGTEMIHMD
S.platensi	ASGAKARKYDQEQHVIDMSAMEESPSDI	MLNHRKTGTDMICIE
T.maritima	LKLAQYIPYQAEKHIIDMYTMEEQPRKI	ICDHRKTGIGMIYIE
T.aquaticu	AEPNVVKDYDAEKHIIDMYVMEEQPRDI	ILEHRTTGVRMIKLE
S.aureofac	DKPDLASAFQQQAHIIDMYAMEEEEPQDI	QLEHRNTGVTMIQME

D.melanoga	EKEKEFKYAVEEKYIVTNQMSAKKAPKL	MFKRADKEKDASKVE
H.sapiens	EKEKEFKYAVEEKYIVVNQMSKVKAPKL	LFKMSDKEKDFGKVE
A.thaliana	EREKEFKYAVEEKYIVTDQMAAIKPPKN	LFKKGDLTKDFTKVE
A.salina	EKEKEFKYAVEEKYIVVNQMSAKKAPKL	SFKRSDKEKDFSKEVE
D.discolde	EKEKEFKYAVEEKYIVTNQMEAVKAPKV	RFBKQHDVDKDVSRVE
E.gracilis	EKEKEFKYAVEEKVIVTDQFDAKKPPKE	VFBKKGDTKDFQKVE
P.falcipar	EKEKEFKYAVEERFILVEQMTDKKDPKQ	RFBKKKDDSKDAKKVE
P.anserina	EKEKEFKYAVEEKYIITDQMTAIKAPKE	VFBKMGDLQKDFSKEVE
P.graminis	EKEKEFKYAVEEKYIITDQMTQVKAPKE	MFKKGDQQKDFSKEVE
S.lemnae	EKEKEFKYAVEEKVIIQEQMDGKKPPTD	EFKKQDESKDFSQKVE
T.reesei	EKEKEFKYAVEEKYIITDQMTAIKAPKE	QFBKMGDLEKDFSKEVE
T.brucei	EKEKEFKYAVEEKVIIQDQMDEVKRPKE	TFBKKGDESKDSQKVE
T.aestivum	EREKEFKYAVEEKYIVTDQMAAVKPPKN	LFKKGDVTKDFTKVE
S.cerevisi	EKEKEFKYAVEEKQIIVDQMSSVKPPKE	VFBKSDLEKDFSKEVE
T.pyriform	EKEKEFKYAVEEKHIIQDQMEEKKPPKE	VFBKQDHDKDFTKVE
P.purpurea	EKEKEFKYAVEEKNIIPNQMDSESKPPKD	GFBKKHDILKDMSKVE
E.histolyt	EKEKEFKYAVEEKYIITNQMAEKKPPKT	IFKVRDLKDYTKVE