

E. coli	-----MTQVAKKILVTCALPYANGSIHLGHM	26
S. typhimurium	-----MTQVAKKILVTCALPYANGSIHLGHM	26
V. cholerae	VLRVVLSQLQFGLYQEKRILSMANDPRKLLVTCALPYANGSIHLGHM	74
S. odeinensis	-----MATSQRKILVTSALPYANGPIHLGHM	26
M. janaschii	-----MRYLITTALAYTNGPLHLGHA	21
D. radiodurans	-----MQNPPQHPEAQSPETRDREFFITAAIDYANGTPHIGHV	38
M. tuberculosis	-----MKPYYVTTAIAYPNAAPHVGH	22
S. cerevisiae	-----VKPKDSEILPKPNERNILITSALPYVNNVPHLGNI	216
H. sapiens	AWEKGLLESPLRLPQQNPVLPVAGERNVLITSALPYVNNVPHLGNI	284
C. elegans	-----KKDPKSILPQPGKRNILITAALPYVNNVPHLGNI	55
E. coli	LQQWDISR--DAPYFGFEIPNA--PGKYFYVWLDAPIGYMGsfKnl	268
S. typhimurium	LQQWDISR--DAPYFGFEIPNA--PGKYFYVWLDAPIGYMGsfKnl	268
V. cholerae	LQQWDISR--DAPYFGFEIPGE--KDKFFYVWLDAPIGYMGsfKnl	316
S. odeinensis	LQQWDITR--DAPYFGFEIPDA--PGKYFYVWLDAPIGYMGsfKnl	268
M. janaschii	LHDWDISR--DIS-WGVPiPG---TNQVMYVWLEAPIGYISfTKML	261
D. radiodurans	IGPLSISRPKARVPWGIELPWD--TDHVTYVWFDALLSYLTPLVSQ	262
M. tuberculosis	LDDLSISR--TSFDWGVQVPEH--PDHVMYVWVDALTNLYLTGAGFP	242
S. cerevisiae	LKPRCITR---DLVWGTVPVPLEKYKDKVLYVWFDATIGYVSITSNY	464
H. sapiens	LKPRCITR---DLKWGTVPVPLEGFEDKVfYVWFDATIGYLSITANY	532
C. elegans	LDPRCITR---DLKWGTAVPLDGFEEKVfYVWFDAPIGYLSITKCV	305
E. coli	KKDSTAELYHFfIGKDfVYfHSLFWPAMLEGSN-FRKPTNLFVHG-Y	326
S. typhimurium	KKDSDAELYHFfIGKDfVYfHSLFWPAMLEGSN-FRKPTNLFVHG-Y	326
V. cholerae	NKDSKTELYHFfIGKDfVYfHSLFWPAMLDGSG-FRKPTNVFVHG-Y	373
S. odeinensis	AKDSKAeVYHFfIGKDfVYfHSLFWPAMLYGSG-YRQPNSVYAHG-Y	325
M. janaschii	LEK-DTKIYHFfIGKDITVHHAVFVWPGLIAHGfSNLPTAVVSGG-Y	313
D. radiodurans	-----HVIGKDILKPHAVFVWPTMLRAAG-LPLYRRLVVHSHI	309
M. tuberculosis	PAD-----LHMIGKDIIRFHAVYWPfLMSAG-IELPRRIFAHG-F	292
S. cerevisiae	NNPEHVSLYQFMGKDNVPFHfTVVfPGSfQLGTEENWTMLHHLNTTEY	518
H. sapiens	KNPEQVDLYQFMAKDNVPFHfSLVfPCSALGAEDNYTLVSHLIATEY	586
C. elegans	KNPENVELFNfVfGKDNVAFHfAVMfPCSfQLGANDNYTVVNNLCATEY	360