

T.vaginalis	~~~NAFIRVP	FQALANASSV	VVSKLTQPSK	EQLVQMSIQM	YYPTFTISEF	KQWIEKSFLP	200
S.cerevisiae	~~~NPLIVV-	MRKITNKVG-	---GFFAETE	SSRVYSQFKL	MDPTFSNESF	TRHLREYIVP	299
S.pombe	~~~HPIVSS-	IRDMADSISG	VWSRMFSETE	ASQVMRRFKE	IDPSFNTEHF	LQYLREYIVP	295
P.infestans	~~~EVWETS-	QNPWVYRLSS	IYDGLFGETP	MAVAIKEIRR	AEPDFILEEW	KENIEEVVLP	339
T.castaneum	~~~NPVIRA-	SRLLTDKVSD	IMGGLFQKTE	LSETLTEICK	IDPTFDTKKF	LKQCETDIIP	297
H.sapiens	~~~NAFIRA-	SRALTDKVD	LLGGLFSKTE	MSEVLTEILR	VDAFADKDRF	LKQCENDIIP	325
C.elegans	~~~NMAVRM-	MRGVTEKIGS	VFSG---QNE	VSEVLTEIHK	IDANFDKQEW	LRFCETKIIP	297
C.crestentus	~~~RRVGRQP	EDAAVTAMPG	AAPAPVDPVL	QAEGVATLRA	RQEDFDPARF	LMGVR-AAAYE	118
T.vaginalis	VLLERYLRGN	IKQLEELTSQ	QVAKERQLAV	VQFLSNRLII	-RTKLLSITD	VDIMGFDFTN	259
S.cerevisiae	EILEAYVKGD	VKVLKKWFSE	APFNVYAAQQ	KIFKEQDVYA	-DGRILDIRG	VEIVSAKLLA	358
S.pombe	EVTEAYVKGD	KEVLKTLWSE	APFSVYETTT	KEYAKHGVS	-VGKILDIRG	VDIMSQRLLQ	354
P.infestans	GVLEAFLRGN	SRDLKKWFE	AAYSRMNIAI	RERKSEGLVM	-DPHVLSIDN	VEVIEATAED	398
T.castaneum	NILEAMTRGD	LEVLIKDWCHE	GPFNLFAIPI	KEAYKKGYKI	-DSKVLDVDN	VDLVMGKVME	356
H.sapiens	NVLEAMISGE	LDILKDWCYE	ATYSQLAHPI	QQAKALGLQF	-HSRILDIDN	VDLAMGKMM	384
C.elegans	NILEAFIRFD	LEVLSQSWCHE	RAYTQLSTVV	KEYQKMHFST	KDSRIIDINK	VEMATGKMM	357
C.crestentus	QIVKAYAEGD	RETLTPLLAP	DVMDNFERAM	VARETAGRTE	-KVEFLTPPR	VDLERVDVVG	177
T.vaginalis	--RMPSILVR	CSADHTNEVI	TMNSGTIVEG	GPQDICTHDF	LVVLTIDAS-	---KDTPRWI	313
S.cerevisiae	PQDIPVLVVG	CRAQEINLYR	KKKTGEIAAG	DEANILMSSY	AMVFTRDPEQ	IDDDTEGWK	418
S.pombe	PNDIPVFIVT	FRTQEVHMFK	DASSGELVAG	KDDRIQQCTY	ASVFTRVEDE	LDNPETRGWR	414
P.infestans	-KQAPIILMR	FQAQQINCIR	NRE-GEVVEG	SEDEVLAYYY	IFAFQRDYG-	-EEQETLRWR	454
T.castaneum	--QGPVLIIS	FTSQQMCMVR	DPN-GNVVEG	DPEKVMRVAY	VWVLCRDIS-	-EPDPRAAWR	411
H.sapiens	--QGPVLIIT	FQAQLVMVVR	NPK-GEVVEG	DPDKVLRMLY	VWALCRDQD-	-ELNPYAAWR	439
C.elegans	--QGPVLIIS	FQVYMINVTK	NAD-GKVVEG	DPDNPKRINH	IWVLCRDVE-	-EYNPALAWK	412
C.crestentus	--DTAKAVVR	ILAEVTRTRK	DER-----G	EGVDDRRTAE	LWTFEREVK-	---STDPNWH	225
T.vaginalis	ASELRPDSTS	NRI	326				
S.cerevisiae	ILEFVRGGSR	QFT	431				
S.pombe	IVDFARARAV	DYF	427				
P.infestans	IVDLHMQRGG	RYY	467				
T.castaneum	LLDLSASSNE	QLV	424				
H.sapiens	LLDISASSTE	QIL	457				
C.elegans	LLEVHMQETP	LAL	425				
C.crestentus	LTFVAAAAEA-	---	324				