

<i>Diplnema</i>	GLPIHPGHGKRYVPTM-VVSTKPVLPFVTA
<i>Euglena</i>	GLPVHPGHGKRFVPTL-VQSTRPVLTFFVTA
<i>Naegleria</i>	GKLIYPGHGVRVYVPTNVQSTRPVVTFVSR
<i>Sawyeria</i>	GVKIYPGHGLSYVPTVSVQATRPVFKFFDQ
<i>Seculomonas</i>	GIKVYPGHGLRYVPTANMQSTKLVYPPFLSR
<i>Reclinomonas</i>	GFRIYPGHGIRYVPTCNMQSTKLVYPPFLSR
<i>Andalucia</i>	GLRIYPGHGIRYVPTVIGFQSTRPVFAFVTS
<i>Tsukubamonas</i>	GLKVIYPGHGTRVYVPTCVSVQSTRPIFPFLSR
<i>Giardia</i>	GRKILPGYGKRMSR-----HDKVLLIFLNR
<i>Spiroucleus</i>	GRQILPGYGKRFPAK-----LDKSLVIFLNR
<i>Trichomonas</i>	GHIIFHAGHGRVHIR-----EDKHLMAFESR
<i>Trimastix</i>	**RIYPGHGIRFVR-----LDSKALFASG
<i>Tritrichomonas</i>	GHQINPGHGRVHIR-----EDKHMVFESR
<i>Malawimonas</i>	GFKIYPGHGRFIR-----GDSKLFQFLNS
<i>Homo</i>	GKVIYPGHGRRYAR-----TDGKVFQFLNA
<i>Drosophila</i>	GKVIYPGHGRVTK-----IDGKSFVFLDK
<i>Monosiga</i>	SYKIHAGHGRRLVR-----VDGKTFYFLGS
<i>Saccharomyces</i>	GAKIYPGRGTLFVR-----GDSKIFRFQNS
<i>Ustilago</i>	QRKIYPGKGRVYV-----GDNKVFVSVSS
<i>Thecamonas</i>	GKVIYPGKGMFIR-----SDARLKFVGSR
<i>Acanthamoeba</i>	GKVIYPGHGRRYAR-----TDMKTFVFINA
<i>Dictyostelium</i>	EFKIYPARGMKFVR-----GDSKVFHFINT
<i>Guillardia</i>	NFRIYPGHGCLYIR-----TDGKSFVFINA
<i>Rhodomonas</i>	NFRIYPGHGTLFIR-----IDGKAFRFING
<i>Emiliana</i>	GLRIYPGHGIFVVR-----ADQKSFKFINR
<i>Isochrysis</i>	GLRIYPGHGIFVVR-----ADQKSFKFLNR
<i>Arabidopsis</i>	GQKIYPGRGIRFIR-----SDSQVFLFLNS
<i>Oryza</i>	GQKIYPGRGIRFIR-----ADSQVFLFANS
<i>Ostreococcus</i>	GLRVYPGHGTRLTK-----IDSTTFLLNG
<i>Chlamydomonas</i>	GLRIYPGKGMFIR-----TDGQHYMFLNK
<i>Cyanidioschyzon</i>	GFRIYPGHGSTFVR-----SDGKVFVFNAS
<i>Gracilaria</i>	GFRIYPGHGRYIR-----VDGRQYVFNVA
<i>Cyanophora</i>	GKVIYPGHGKMFVR-----ADNRSMFVSS
<i>Thalassiosira</i>	EYRIWPGTGKLFIR-----RDGKPIFLGSS
<i>Blastocystis</i>	EYKIYPGHGGMVIR-----KDGQPVHFLNH
<i>Cryptosporidium</i>	EYRIYPGRGRFVA-----RDGRVSTFLNQ
<i>Toxoplasma</i>	EYRIYPGRGRFVA-----KDGKVFHFIHR
<i>Tetrahymena</i>	EYRIYPGRGRFVA-----KDGKVFHFIHR
<i>Perkinsus</i>	EYRIYPGRGRFVA-----KDGKVFHFIHR
<i>Bigeloviella</i>	EYRIYPGRGRFVA-----KDGKVFHFIHR

Kamikawa et al. (Fig. S1)