

Heak452 ----MENKIQKENNNLALQNYETLKGKLSKVLENQRISKKKQDQILETTQKGFIGLALRN
Heak293 ----MENKIQKENNNLALQNYETLKGKLSKVLENQRISKKKQDQILETTQKGFIGLALRN
Chaetos -----
Prototh MSSMKKQEVISEFEEQISLVPIPHKINMFLDSNKQSLSEEDILKLKKEALNAYLKEENPY

Heak452 EELLKSNDQLKQQLDEVLKELNAIKQE-----REEKAARKEARANRKWLPKRDLMTVEIY
Heak293 EELLKSNDQLKQQLDEVLKELNAIKQE-----REEKAARKEAWANRKRLPKRDPMTCKIY
Chaetos -----MKKKRTQPRQPINFEIY
Prototh NIISKTGENTKEIKEQLNKQECHKIDLIGKAVFKVLQKLENKQKVKRSTLPLRQPASNSIY

Heak452 RELMKA AEG-PTYINLRTRIRMA L CILAVTGIRINELLPLKVSQLETLFKENWIAMDRSK
Heak293 RELMKA AEG-PTYINLRT--RMALCILAVTGIRINELLPLKVSQLETLFKENWIAMDRSK
Chaetos QFLMKQKRAKHSSLYVFHRNRIVITILFCTGLRVNELRTITWKMLKQSLKTQYLEVYQSK
Prototh FHLMSQKPEFREKKLQYSRFRVAITLLWSTGLRVNETKYIKYSIDIQTIISENTLQVYQPK

Heak452 RGPSNHKAFLTKEGKKIIHDRQKDFQLIFLMKEPDSYFFTAETNHYKSLDRVVITRDVNN
Heak293 RGHSNHKAFLTKEGKKIIHDRQKDFQLIFLMKEPDCYFFTAETNHYKSLDRVVITLDVNN
Chaetos T-DCYRKVILSPKAISLLCSLQKEYTKFFQDRQKWCLGYTSKG---SMVDEHIWLKCINN
Prototh I-NKYRIIHFSGEAVKQFILIKKDIDIVFKNNE-----TLAG----TISVSSWIHFINK

Heak452 VMREVS NQLPDKPNITSHSFRIGYITQLWKDSKDIEFVKQTIGHRKLDTT SAYVNKLSDQ
Heak293 VMREVS NQLPDKPNITSHSFRIGYITQLWKDSKDIEFIKQTIGHRKLDTT SAYVNKLSDQ
Chaetos FIKPAANHFN--VKLSSH SFRINYITNLLKVMK-IERVQQIIGHKSVNTTAKYDRYQPKH
Prototh RLISKTEVFG--VNIKSHSFRVNFVTSLLKHAP-IQIVSNLVGHSNITTTVKYDRYDRYH

Heak452 ERQKHIDQLK-----
Heak293 ERQKPLKPTHAKLVVLI EGKICSEAFI
Chaetos EEISQIFDEV MW-----
Prototh PNKNKTIELLEKAFTDME-----