

g11a_orysa lshfkllklkgcgdigsvylsels---gtesyfamKVMDKas-----
kp68_human gmdfkeieligsggfgqvfkakhr---idgktyviKRVKYnn-----
gcn2 --tlkrlnfsgggaafgqvvkarna---ldsryyaiKKIRNte-----
st11_yeast pknwlkgacigsgsfsgsvylgmna---htgelmavKQVEIknnnigvpt
kin3_yeast rseyqvleeigrsgfsgsvrkvihi---ptkkl1vrKDIKYgh-----
nima_emeni adkyevlekigcgsfsgiirkvkrk---sdgfilcrKEINYik-----
kin1_yeast lgdwefvetvgagsmgkvklakhr---ytnevcavKIVNRat----kaf
kcc1_yeast kkkylvfgktlgagtfgvvrqaknt---etgedvavKILIKka-----
ks62_human psqfellkvlgqgsfgkvflvkkisgsdarqlyamKVLKKat-----
kpc1_yeast ldnfvllkvlgkgnfgkvilsksk---ntdrlcaiKVLKKdn-----
ypk2_yeast iddfdllkvigkgsfgkvmqvrkk---dtqkiyalKALRKay-----
krac_dicdi vadfellnlvgkgsfgkviqvrkk---dtgevyamKVLSSkh-----
kgp2_drome ltdlrviatlvgvgfgrvelvqtn---gdssrsfalQOMKksq-----
kapa_mouse ldqfdriktlgtgsfgrvmlvkhk---esgnhyamKILDKqk-----
kdca_drome lenyitravlgngsfgtvmlvrek---sgknyyaaKMMSKed-----
ark1_human mndfsvhriigrsgfgevygcrkr---dtgkmyamKCLDKkr-----
dmk_human rddfeilkvigrgafsevavvkmk---qtgqvvyamKIMNKwd-----
dbf2_yeast nrdfemitqvggggygqvyarlkk---dtkevcakILNKKkl-----
pim1_human esqyqvgpllgsgfsgsvysgirv---sdnlpvaiKHVEKdr-----

g11a_orysa -----lasrk-kl---lraqt
kp68_human -----ekaer-----
gcn2 -----e-kl---stmis
st11_yeast nnkqansdenneqeeqqekiedvgavshpktqnqnihrk-mv---dalqh
kin3_yeast -----mns-k-er---qqlia
nima_emeni -----mst-k-er---eqлта
kin1_yeast -----lhkeq-ml---pppkn
kcc1_yeast -----lkgnkvql---ealyd
ks62_human -----lkvr--dr---vrtkm
kpc1_yeast -----iiqnh-di---esara
ypk2_yeast -----ivskc-ev---thtla
krac_dicdi -----ivehn-ev---ehtls
kgp2_drome -----ivetr-qq---qhims
kapa_mouse -----vvklk-qi---ehtln
kdca_drome -----lvrlk-qv---ahvhn
ark1_human -----ikmkq-ge---tlaln
dmk_human -----mlkrq-ev---scfre
dbf2_yeast -----lfkln-et---khvlt
pim1_human -----isdwg-elpngtrvpm

g11a_orysa EKEIL-----qcldhpf--lptlyt-----
kp68_human EVKAL-----akldhvn--ivhyngcwgdfd
gcn2 EVMLL-----aslnhqy--vvyryaawleed
st11_yeast EMNLL-----kelhhen--ivtyyg-----
kin3_yeast ECSIL-----sqlkhen--ivefyn-w---
nima_emeni EFNIL-----sslrhpn--ivayyh-r---
kin1_yeast EQDVLerqkklekeisrdkrtireaslgqilyhph--icrlfe-----
kcc1_yeast ELDIL-----qrlhhpn--ivafkd-----
ks62_human ERDIL-----vevnhpf--ivklhy-----
kpc1_yeast EKKVF-----llatktkhp--ltnlyc-----
ypk2_yeast ERTVL-----arvdcpf--ivplkf-----
krac_dicdi ERNIL-----qkinhpf--lvnlly-----
kgp2_drome EKEIM-----geancqf--ivklfk-----
kapa_mouse EKRIIL-----qavnfpf--lvklef-----
kdca_drome EKHVL-----naarfpf--liylvd-----
ark1_human ERIML-----slvstgdcpf--ivcmsy-----
dmk_human ERDVL-----vngdrw--itqlhf-----
dbf2_yeast ERDIL-----tttrsew--lvklly-----
pim1_human EVVLL-----kkvssgfsqvirlld-----