



H. Sapiens

390 400 410

β6A

420 430

β6B

β6C

440

1 H. Sapiens E^YTQ^YNPPFQSED...LILC^{QLTVP}...NFSNQTA^{LY}NESA^{VYVCSTGTG}...KFSLPQE^E
R. norvegicus E^YTQ^YNPPFQSED...LVACRLMVP...DFPSQM^{TYLY}MESA^{VYVCSTGTG}...KVSLPQE^E
G. gallus E^YTQ^YNP^SFQSEE...EVMC^{CLVVP}...D^YFSHAAY^{IY}KED^EVFAC^{STGTG}...RISLPQE^E
X. laevis E^YTQ^FNP^PFQSRN...MQQC^{QLVIP}...NFSSQAC^{YLY}TQDM^VFAC^{STGTR}...KSSLPQE^E
D. rerio E^YT^KYNNPFQSEEE...LLKT^RLVL^P...DPSSPAAY^{LY}NEEL^VFAC^{STGAG}...RGGLAE^E
T. nigroviridis E^YT^KYRLP^FQSEEA...LLAT^RLVL^P...RSPGCCAF^{LY}ND^ELGAG^ASIASTAGGGSDGGSSPTSGSGEDV^E
D. melanogaster T^IMRYKG^FSAERLAELRFIA...NRSIAY^{VY}NDRC^IFPVALNDAGAGSIASTAGGGSDGGSSPTSGSGEDV^E
A. gambiae NMNK^FFSAKT.EED...CLSV^RFVV...GS^SH^IYLYTSKV^{VY}PLHLTNS...VPTAELEAE^E
C. elegans VVWSA^RVP^MN^EHRA^LFSKIDD^SIYSNL^TLCIPK...NTAESKKADRTDGII^IINP^YFAVSLYL^PFDLAK...PKKPESLYR^E
C. briggsae FVWSA^KPI^NEHRALF^AQKD^{PQVY}S^NSTLCIPK...DTAESKS^AERTDGII^IINP^FFAISLYL^PFDLYK...PKKALSLYR^E

2 E. gossypii RLNTYT^KAND...KKP^RLFIA^GDLEN^GQPIEP^QNVPVY^YLF^EDAVVI^TQ...AFTQLD...SNYPLRK^WED^E
S. cerevisiae RLNTFME^SITDT...KFKP^KIFI^PQ^MENAN^DT^N...EV^TSI^LV^MP^ENAVVI^TO...VNSKL^D...SSYSMR^RK^WED^E
Magnaporthe PI^TCY^SSPL^QSD...PT^VR^PRLY^IP...NP^GFV^AFA^VDR^AV^VICSLNARPESPDAQI^QD...DL^LGP^GA^FED^E
Gibberella PI^TSY^SS^FSSQL^ETP^RRLY^LP...R^PALV^AFA^VDR^AT^VI^ASVPPQSPESQLQT...DSHILPAA^FED^E
N. crassa PL^TSY^TSP^VRP^N...AP^ER^PKLY^LP...R^PAMVA^FV^DRAV^VI^AASMAAPPD^SPESQLQE...DSHII^PAT^FED^E

H. Sapiens

450 460 470

β6D

β7A

β7B

β7C

470

1 H. Sapiens K^IV^FNAQGD^D.S^VL^GA^GACGGGV^PI^IFSRNS...^GL^VSITSRE
R. norvegicus K^IV^FDTQG^D.G^IL^GA^GSCGGGV^PI^LFSRNS...^GL^VSVTPRE
G. gallus K^IL^FGFQG^D.S^IL^GA^GSYTS^LP^IFFVKRS...^GL^IT^IL^SRE
X. laevis K^IP^FE^EEGD^D.N^IV^GA^GSXEG^LP^VX^FIRKS...^GM^LIXXXX
D. rerio K^IL^FSSPGD^D.R^VRGG^GVCAD^LP^VFFSQNS...^GL^VAVLARE
T. nigroviridis K^IS^FSSPGD^D.A^VHGG^GCCCAN^LP^VFFSQTS...^GL^VVVV^VPRE
D. melanogaster K^IE^FHARED^D.M^IL^MG^NCFQN^MP^LFFSRLN...^GM^VI^VTPSD
A. gambiae K^IE^FHQHD^D.R^IL^SA^VI^CSQLP^LFFSRTH...^GL^VSITPGD
C. elegans HV^SI^I.PPRD^D.Q^LLG^YA^ICSQ^YV^VIMMLES...^GV^STIRLLP
C. briggsae Y^ISL^I.PAR^D.Q^LIGC^SIGKT^YT^IILLEN...^GV^STVRLLP
2 E. gossypii LV^SL^K...ED^SM^VL^GH^GND^EKALYLINGN...^RGV^VK^IEAKM
S. cerevisiae IV^SL^RN...D^ID^II^GS^GYD^SKSLYVLT...^KQ^MGVLQFF^FV^KE
Magnaporthe VV^DL^RD^RD^TFE^IA^GS^GLEEPTAAGQELESQRLH^RH^KTK^NPA^VL^LI^RG
Gibberella VI^DF^RED^DV^HE^II^GS^GFE^EIASASSH.EEHRL^HR^PK^TK^NPA^VV^LM^VR^G
N. crassa VV^DL^RD^EG^NV^QI^VG^SG^TE^EPT^TNGHFP^DELR.SR^HRT^KNPA^VL^LV^QG