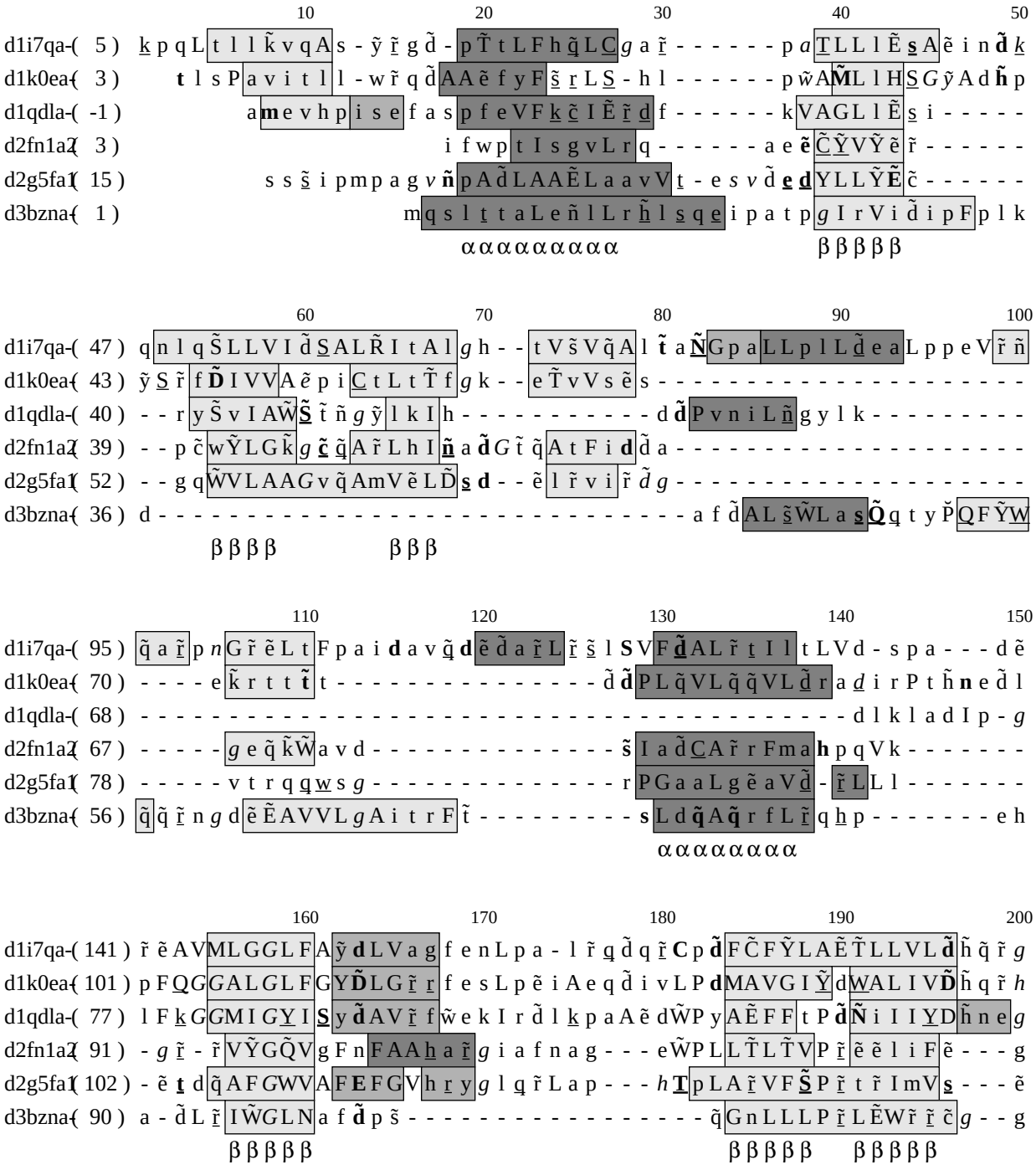
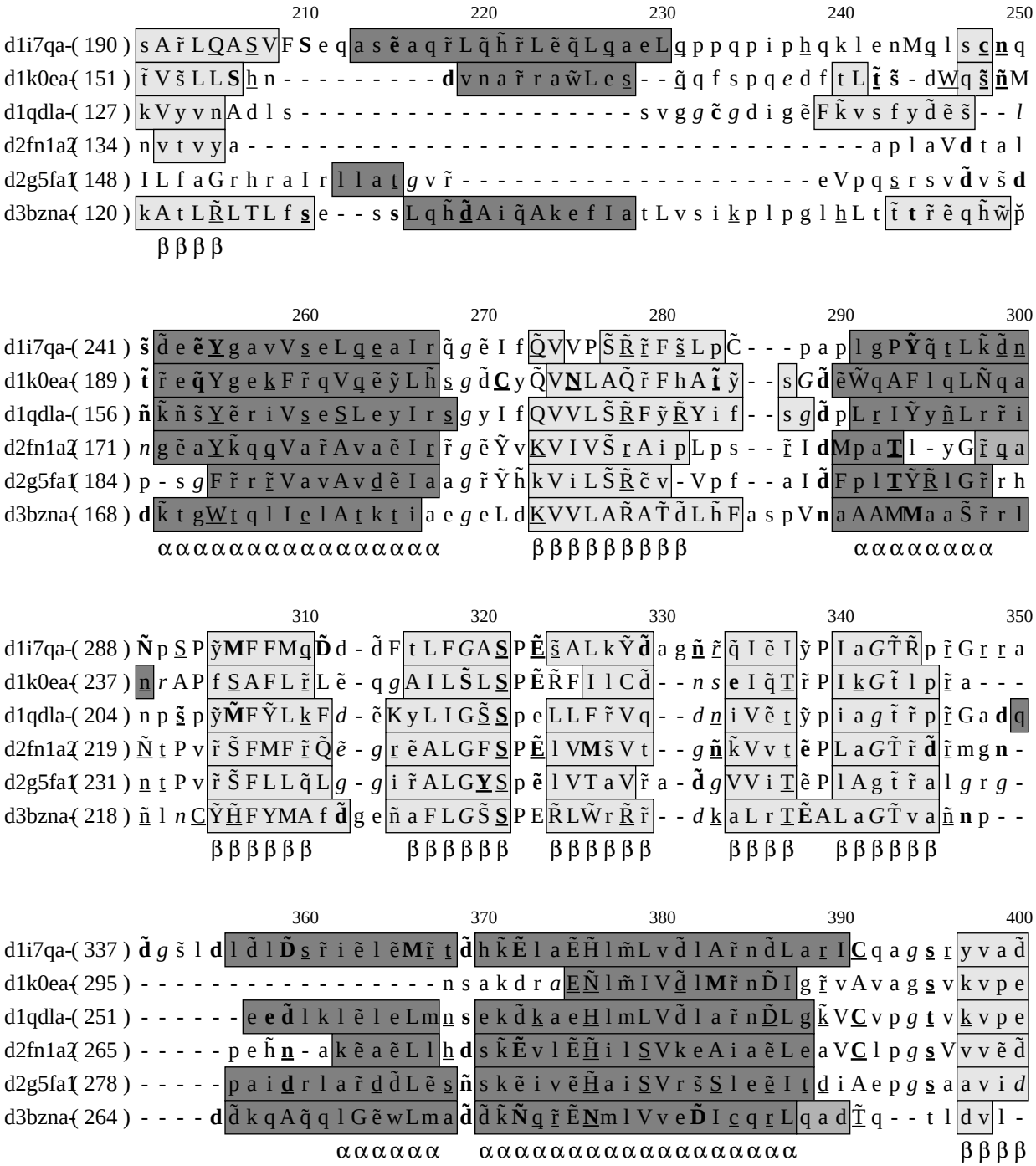

10 20 30 40 50
d1i7qa- (5) kpqLtllkvqAs-yrgd-pTtLFhqLCgarp------paTLLlEsAeinDkk
d1k0ea- (3) tlsPavitll-wrqdAAefyFsrLS-hl------pwAMLlHSGyAdhp
d1qdla- (-1) amevhpise fas pfeVFkcIErd f------kVAGLlEsi-----
d2fn1a2 (3) ifwptIsgvLrq------aeeCYVYerp------
d2g5fa1 (15) sssipmpagvnpAdLAAELaavVt-esvdedYLLYEc------
d3bzna- (1) mqslttaLenlLrhlsqeipatpgIrVidipFplk
αααααααααα βββββ
60 70 80 90 100
d1i7qa- (47) qnlqSLLVIdSALRItAlgh--tVsVqAltaNGpaLLplLdeaLppeVrn
d1k0ea- (43) ysrfDIVVAepiCtLtTfgk--eTvVses----------
d1qdla- (40) --rySvIAWStngylkIh----------dDPvniLngylk-------
d2fn1a2 (39) --pcwYLGkgcqAritLhIna DGtqAtFid da----------
d2g5fa1 (52) --gqWVLAAGvqAmVeLDsd--el rvi rdg----------
d3bzna- (36) d----------afdALsWLassQqtyPQFYW
ββββ βββ
110 120 130 140 150
d1i7qa- (95) qarpnGrelLtFpaiDavqdedarLrslSVFDALrtIltLVd-spa---de
d1k0ea- (70) ----ekrttt t----------ddPLqVLqqVLdra dirPthneDl
d1qdla- (68) ----------dlkladIp-g
d2fn1a2 (67) -----ge qkWav d----------shIadCArrFmahpqVk-------
d2g5fa1 (78) -----vtrqqws g----------rPGaaLgeaVd-rLLl-------
d3bzna- (56) qqrngdeEAVVLgAitrFt----------sLdqAqrfLrqhp-------eh
αααααααα
160 170 180 190 200
d1i7qa- (141) reAVMLGGLFAydLVagfenLpa-lrqdqrCpDFCFYLAETLLVLDhqrg
d1k0ea- (101) pFQGGALGLFGYDLGrr fesLpeiAeqdivLPdMAVGIYdWALIVDhqrh
d1qdla- (77) lFkGGMIGYISydDAVrfwekIrdlkpaAedWPyAEFFtPdNiIIYDhneg
d2fn1a2 (91) -gr-rVYGQVgFnFAAhargiafnag---eWPLLTLTVPrepeliFe---g
d2g5fa1 (102) -et dqAFGWVAFEFGVhryglqrLap---hTpLArVFSPrttrImVs---e
d3bzna- (90) a-dLrIWGLNafdpsqGnLLLPrLEWrrcg--g
ββββββ ββββββ βββββ


210 220 230 240 250
d1i7qa-(190) sAřLQASVFSeqasẽaqřLq̃h̃řLẽq̃Lq̲aeLq̲ppqpiph̲qklenMq̲lsc̲n̲q
d1k0ea-(151) t̃VšLLSh̲n----------dvnařrawLes̲--q̲qfspqedftLt̲̃šd-dW̲qs̲̃ñM
d1qdla-(127) kVyvnAdls--------------------svggc̃gdigẽFk̃vsfyd̃ẽš--l
d2fn1a2(134) nvtvya----------------------------------aplaVdtal
d2g5fa1(148) ILfaGrhraIrllat̲gvř--------------------eVpqs̲rsvd̃všd
d3bzna-(120) kAtLR̃LTLfs̲e--ssLqh̃d̲̃Aiq̃AkefIatLvsik̲plpglh̲Lt t̃tř ẽqh̃w̃p̌
ββββ
260 270 280 290 300
d1i7qa-(241) s̃d̃eẽY̲gavVs̲eLq̲e̲aIrq̃gẽIfQ̃VVPS̃R̃ř̃Fš̃LpC̃---papl gPỹq̃t̲Lk̃d̃n
d1k0ea-(189) t̃řeq̃Ygek̲Fřq̃Vq̲ẽỹLh̃s̲gd̃C̲yQ̃VN̲LAQ̃řFhAt̲̃ỹ--sGd̃ẽW̃qAFlqLÑqa
d1qdla-(156) ñk̃ñš̃Y̲ẽriVs̲eS̲LeyIrs̲gyIfQVVLS̃R̃FỹR̃Yif--sgd̃plr̲IỸyñ̲Lrři
d2fn1a2(171) ngẽaY̲k̃qq̲Vařavaẽ Ir̲řgẽỸvK̲VIVS̃r̲Aip Lps--ř̃Iđ Mpa T̲l-yGř̃q̲a
d2g5fa1(184) p-sgFřrř̃VavAvd̲ẽIaagřỸh̃kViLS̃R̃čv-Vpf--aId̃Fpl T̲ỸR̃lGřrh
d3bzna-(168) dk̃tgW̲tqlIe̲lAt̲kt̲iaegeLdK̲VVLAR̃AT̃d̃Lh̃Faspn aAAMMaaS̃řrl
αααααααααααααααααα ββββββββ ααααααααα
310 320 330 340 350
d1i7qa-(288) Ñ pS̲P ỹMFFMq̲D̃d-d̃Ft̲LFGAS̲PẼš̃ALkỸd̃agñ̲r̃q̃Iẽ Iỹ PIaGT̃R̃pr̃Gr̲ra
d1k0ea-(237) n̲rAPfS̲AFLř̃Lẽ-qgAILS̃LS̲PẼR̃FIlCd̃--nsei q̃T̲řPIk̲Gt̃lpř̃a---
d1qdla-(204) npš̃pỹM̃FỸLk̲Fd-ẽKyLIGS̃S̲pe LLFřVq--dn̲iVẽt̲ỹpiagt̃řpr̃Gadq
d2fn1a2(219) Ñt̲PvřS̃FMFr̃Q̃ẽ-gr̲ẽALGFS̲PẼlVMšVt--gñ̲k̃Vvt̲ẽPLaGT̃řd̃r̃mgn-
d2g5fa1(231) n̲t̲Pvř S̃FLLq̃Lg-gi řALGY̲S̲pẽlVTaVřa-d̃gVViT̲ẽPlAgt̃řalgrg-
d3bzna-(218) ñlnC̲ỸH̃FYMAfd̃geñaFLGS̃S̲PERL W̃rR̃r̃--dk̲aLrT̲ẼALaGT̃vañ̃np--
ββββββ ββββββ ββββββ ββββ ββββββ
360 370 380 390 400
d1i7qa-(337) d̃gšld̃ld̃D̃s̲řiẽlẽM̃r̃t̲d̃hk̃Ẽ laẼH̃lm̃LvđlAr̃ndLar̲IC̲qagsr̲yvad̃
d1k0ea-(295) ----------nsakdraE̲Ñlm̃IVd̃lM̃r̃nD̃Igr̃vAvagsvkvpe
d1qdla-(251) ------eed̃lklẽleLmn̲sekd̃k̲aeH̲lmLVd̃lar̃nD̃Lgk̲VC̲vpgt̲vk̲vpe
d2fn1a2(265) -----peh̃n̲-ak̃ẽaẽLlh̲dsk̃Ẽvl ẼH̃il S̲VkeAiaẽLeaVC̲lpgs̲Vvvẽđ
d2g5fa1(278) -----paid̲rlař̃đđ̃Lẽs̲ñsk̃ẽivẽH̃aiS̲Vrš S̲leẽ̲It̲diAepgs̲aavid
d3bzna-(264) -----dđ̃kqAq̃qlGẽwLmad̃đ̃k̃Ñq̲r̃ẼN̲mlVveD̃Ic̲qr̲Lqadt̃q--tldv̲l-
αααααα αααααααααααααααααααα ββββ

410
420
430
440
450
d1i7qa-(387)
d1k0ea-(328)
d1qdla-(295)
d2fn1a2(310)
d2g5fa1(323)
d3bzna-(307)
460
470
480
490
500
d1i7qa-(437)
d1k0ea-(378)
d1qdla-(345)
d2fn1a2(360)
d2g5fa1(373)
d3bzna-(356)
510
520
530
d1i7qa-(487)
d1k0ea-(428)
d1qdla-(395)
d2fn1a2(409)
d2g5fa1(423)
d3bzna-(405)