

Figure S10. Alignment of Bm-Caspase-6 with the prodomains of Drosophila Dredd, Aedes aegypti Ae-Dredd, human caspase-8 and -10.

Black boxes outline the predicted α -helices. Each prodomain contain 2 bundles composed of 6 α -helices.

Secondary structure was predicted using Jpred3 (<http://www.compbio.dundee.ac.uk/www-jpred/>).

Human Casp-10	MKSQGQHWYSSSDKNC---KVSFREKLLIIDSNLG--VQDVENLKFLCIGLVPNKKLEK
Human Casp-8	M-----DFSRNLYDIGEQLD--SEDLASLKFLSLDYIPQRKQEP
Ae-Dredd	M-----SISIQLEDLDFIEELH--FDDKVAVLFLIYG-----
Dredd	M-----AGSNLLIHLDTIDQNLLIYVERDMN--FAQKVGICFLIYG-----DD
Bm-Caspase-6	MFRPDALDERAALDRQIIHSNLINVDVISQIERELQDEPYDMVSLVFLIY-----
Human Casp-10	SSSASDVFEHLAE-----DLLSEEDPFFLAHLIYIT-RQ
Human Casp-8	IKDALMLFQRIQE-----KRMLEESNLSFLKELLFRINRL
Ae-Dredd	HRNPKYVLQLLTA---IRAPDARTQFLSEWANLVAKGEVSASRWQSELLEALAIVQA--
Dredd	HSDATYILQKLLAM---TRSDFFQSDLLIKFA-----KSRPELWRRHLVEATCIIGA-
Bm-Caspase-6	-EVPDTALQKLVTHQKIVTEMLGTNLNLLHDWYQH---SKSKPTWKHEFLEATLICQL-
Human Casp-10	KKLLQHLNCTKEEVERLL--PTRQRVS-----L
Human Casp-8	DLLITYLINTRKEEMERELPTPGRAQISAYRFHFCRMSWAEANSQCQTQSVFPWRRVDHIL
Ae-Dredd	NLCLLKCGFDDEELRDQFL- PHVPELATHVH-----P
Dredd	RKVLRRLLGFCWQELRMHYL- PHIAGITLHVH-----P
Bm-Caspase-6	FNIVRRIGFDVQTLRKHYQ-TDYPGLSMYVD-----P
Human Casp-10	FRNLLYELSEGIDSENCLKDMIFLLKDS-----LPKT-EMTSLSFLAFLEKQGKIDE
Human Casp-8	IRVMLYQISEEVSRSSELRSFKFLQEEISKCKLDDDMN-----LLDIFIEMEKRVIILGE
Ae-Dredd	VLKGLWLLCEKMDRATSDRIENYLRLQNY-----ALAVMDSEFLEMIMLDMIGQGVIKI
Dredd	LLKSLYRMCEELSLSVQSGRLLLDVREKVESQQAGDPLRFYDPAYLEIFLLDWLIRRSIKL
Bm-Caspase-6	LRKILYKICEIDTPNLIKLOKSLITY-----DIDVSGHNTCEIILLELMSRFIFI
Human Casp-10	D-----NLTCLLEDLCKTVVPKLLRNIEKYKREKAIQI
Human Casp-8	G-----KLDILKRVCAQINKSLLKIINDY-----
Ae-Dredd	GSKEGGQ-----VSDLSNLIAAFKAL-EMEGLKDFCKNIESNFNRLQSG-----
Dredd	GDINAAG-----SDVQLLVGHLKSNGL-QAANLLKDTI-----IISN-----
Bm-Caspase-6	KYCRHDEKYLTEIKIDKFLRIIENFDGLRKLSLDLKFQNKFAN----ETN-----
Human Casp-10	VTPPVDKAEASYQGEEELVSQT-----DVKTFFLE-----
Human Casp-8	-EEFSKGEELCGVMTISDS-----PREQDSE-----
Ae-Dredd	-ENQSDNAKSTLVAEVKGQPV-----DN-----
Dredd	APEPDAAGTAMAVKQEIES-----DNQQSYC-----
Bm-Caspase-6	-----PNNSLKCKMDTTTSQQNEQPVLVEHTNEGGIFDINNLLDIHEDLEKLQINDGFH