

Figure S9. Alignment of Bm-Caspase-5 with the prodomains of *Drosophila* Dronc, *Aedes aegypti* Ae-Dronc, human caspase-1, -2 and -9.

Black boxes outline the predicted α -helices. Each prodomain contain one bundle composed of 6 α -helices.

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

Human Casp-9	-----MDEADRRLLRRCRLRIVEELQVDQLWDAL
Human Casp-2	MAAPSAGSWSTFQHKELMAADRGRRI LGVCGMHPHHQETLKKNRVVLAKQLLISELLEHL
Human Casp-1	MAD-----KVLKEKRKLFIR----SMCGGT-INGLLDEL
Ae-Dronc	-----MDQDRRHQIQHNMDQLIQHTNYGVLMAEC
Dronc	MQPPELE-----IGMPKRHREHTRKKNLNLVEWTNYERLAMEC
Bm-Caspase-5	-----MQEEHKKAIQRNFSSLVEGTDLDSMVMAL

Human Casp-9	LSSELFPHMIEDIQRAGSGS-----RRDQARQLIIDLETGSGDALPLFISCLEDITG
Human Casp-2	LEKDIIITLEMRELIOAKVGS-----FSQNVLLNLLPKRGQAFDAFCEALRETK
Human Casp-1	LQTRVLNKEEMEKVKRENATV-----MDKTRALIDSVIPKGAQACQCICITYICEED
Ae-Dronc	VGRQMMSEVMKAIIEDRYPD-----EASRHKKLFEKITKRGPHAFDILVSICQRNF
Dronc	VQOGIITVQMLRNTQDLNGKPFNMDEKDV RVEQHRRILLKITQRGPTAYNLLINALRNIN
Bm-Caspase-5	YEKGVFSQQMIEPYRDT SIT-----PRERKRILYREITTRRGQAFATMLLEALREMG

Human Casp-9	QDMLASFLRTNRQAA----LSKPT-----LENLTP-VVLRPEIRK-P-----
Human Casp-2	QGHLEDMLITTL SGL----QHVLPP-----LSCD-YDL--SLPF-P-----
Human Casp-1	S-YLAGTGLSADQT----SGNYLN-----MQDSQ--GVL--SSFPAP-----
Ae-Dronc	--PTAYKLLKNGNVSTVGSSSRNSSQFEFNSTYHPNRVRSISAGDYSGSELLRQRLANSY
Dronc	C-LDAAVLLESVDE-----SDSRPPFISLNERRTSRK---SADIL--SIGS-P-----
Bm-Caspase-5	HWDLVRDLDPNSPLQLRAR----RPVLPP-----NL--SGPQD-----

Human Casp-9	--EVLRPET-PRPVDIGSGGFGDV-----GALESRLRGNAD--
Human Casp-2	VCESCPYKKLRLSTDTVEHSLDNKDGPVCLQVKP-----CTPEFYQTHFQ--
Human Casp-1	--QAVQDNPA MPTSSGSEGNVKLC-----SLEEAQRIWKQ--
Ae-Dronc	SEEDDAKNNNDTVEET---TDKGGKRRLQEFGE-----KVRSLYKVELSAR
Dronc	V---DTPSPEASEGPC---VSKLRNEPLGALT PYVGVD-GP-----EVKSKKIHGG--
Bm-Caspase-5	NFVSLTIEKHKPKNNNNNDIIKPRPGSDAPV--PPPPVNSSEPVAIPCFHVKESTHFFED--