```
Turt        MKLTGNSCFLLSFLLVIVISIPLIN----GQFFTKTSKSIPRMGRRSE--PLSKASILQAI-------------YGQSEA  61
Dmel        MRII------TVLSVSLLVGLVAISQADDSPGFFLKITKNVPRLGKRGENFAIKNLKTIPRIGRHSVTPLLAWLWDLETSP  75
Amel        MTSLRSLGFIWISILALLICENASMADEVPAFFLKIAKNIPRVGRSEGYDFFKSRKNLPKLGN----QSESWPQYSVDEP  76
Nvit        MKRLVNTFIIFIVAVLAIIENKIVAADEPPAFFLKIAKNIPRIGRSEPYDYAIKNSNVK---------DDIPWHKGEIS--  70
Aaeg        ---------MMKFILLLVALVTLAVADETPGFFIKLSKSVPRIGRRGDFEFLKQSKSVPRIGRHSAQDNSNWF-----ER  66
Znev        WNLIATNCFVAAILVVLTACPSIISADETTNFFLKSSKSVPRIGRRSEYDFLKASKEIPRIGRLTGRESAMWPWFRTADT  80
Lmig        -MLLCKETL-ASLAVVLVVAAAAAAPEEGSDFFLKTAKSVPRIGRRSDL-FLKSAKSVPRIGRIEAQDGGEWLWPGGADA  77
Tcas11466_7-25  ----------------------------NYVLKAAKNVPRIGRSNT-----------------------------  18
Tcas11466_29-65 ----------------------NIDEMGKFFMKASKSVPRIGRRNE-----------------------------  24
                         10        20        30        40        50        60        70        80

Consensus   MKLLXNXCFIAXXXXXLVIXVAIXXADETPXFFLKIXKSVPRIGRRSEYDFLKXXKXVPRIGRHSAQDSXXWXWYGXXEX

Turt        TIGSD----GLIKDDQEMNLNNPDNQFDEDESMFKELQDDKEEPEYTSV-VIKNLKKVLRAYARNHRNDGLNSIN  131
Dmel        ---SKRRNAIPSEQVKFVHWKDFDRALQADADLYSKVIQLGRRPDQHLKPIFGDEQNPDFMMYKNNEDQELYGGG  147
Amel        FSRPIKR-RVDYPSVDDWSWQHFPLAIEGPRELWRTLAGYSKDTS----DDVDNE--IWKRKKRTGNEPMASEEN  144
Nvit        -----KRRVGFSPESNTYAWQHFPLAIEGPPELWRTLAGYSHDPLYKTTDDFNNE--LWSRDKRT-NNPEA----  133
Aaeg        FMRPAKRDLFFGSDLKFISWDVLDEALEEDPELMGKLSALARDKEVHQLSDMHSNKAYIYRTDRDEQNAELNKEK  141
Znev        IPGPSRRNYYLHEEGKPLSWTSVEKTMEEAPELWKPDLWRKNSETFPLRDDFDVEQVVRRSPGRFGSTKEIDEGR  155
Lmig        LPMPARRAYYVRKDGQPVMWSDVARDVEENPDLW-----------------------------PWSDFD-SGSVREVDGSR  128
Tcas11466_7-25  ----------------------------------------------------------N-----------------  19
Tcas11466_29-65 ----------------------------------------------------------NFDYGQPIVKRDE-----  37
                         90       100       110       120       130       140       150

Consensus   FPXPAXRNYXXSXDXKXVSWQXFDXAXEEDPELWXXLAGXXRDPEYHLXDDFDNEQXXWXRDXRXGXNPELXXXX
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