```
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
Pcau9941_17-50 ----------LIFITLYLTQAAT------SQFFVKSGANLPRLGRRSEE-----------------------------  33
Pcau9943_17-50 ----------LIFITLYLTQAAT------SQFFVKSGANLPRLGRRSEE-----------------------------  33
                         10        20        30        40        50        60        70        80

Consensus
MKLLXNXCFILIFIXLLVIXAAIXAADETPQFFLKXXKNVPRIGRRSEYDFLKXXKXVPRIGRHSAQDSXXWXWYGXXEX

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
Pcau9941_17-50 ------------------------------------------------------------------------- 33
Pcau9943_17-50 ------------------------------------------------------------------------- 33
                         90       100       110       120       130       140       150

Consensus
FPXPAXRNYXXSXDXKXVSWQXFDXAXEEDPELWXXLAGXXRDPEYHLXDDFDNEXXXWXRXXRXGXNPELXXXX
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