```
Hduj          MFATSSAVWVYLEPRFDGEFLSRNADVIDSISDEMYN-QQSAQPALG------SGIPIGGAASEMATLPRQMVRPLR-IP  72
Znev          --------MKQLGAVILFFYLLTTEFTSAAIQLEDNR---YLDKEFQTNAVNVRELATWIMQLLLHKGQQT-------IC  62
Lmig          ----MAVSGKLITVFVLSIYVLGLALTIHATQYDEEK-YQENEVRYG------RELATLLAQLAHKNEPA-------IC  61
Dmel          -----MARYTYLVALVLLAICCQWGYCGAMAMPDEER---YVRKEYN------RDLLDWFNNVGVGQFSPGQVATLCRYP  66
Aaed          --------MVNVQASFFVAICLCLSICASMPSYDDGI-VDVDNEPFI------RQLAELLAESDTNELSEIYSLPACRVC  65
Amel          --------MISRKCVIILIMMLGIAYQTFGTTEDSYRNLLALNFPYD------RGV-----NNDLQRIAKLLLLPPC-LC  60
Nvit          -----MRSWVSH--LIRAFFVFGAILCASASMEDTSH--MIMNNPYG------RSL-----DAEL--ITRLLLAPQR-LC  57
Tcas1987_23-80:. --------YKYL----DRDYASPGAHQLASWIASQLRSKDYIQPQEG-----------------------PILPYR-LP  43
                                10        20        30        40        50        60        70        80

Consensus
MFATXMASMXYLXAXILLXYXLGLAXCXAAXXXDXXRXXXYLNXPYGTNAVNVRXLATXLAXXXLXXXXRLLXLPLXRXC

Hduj          ---------TVP----MQKRNSEILNTLIGLPNKLKQRG--  98
Znev          ----------------THKRNSELINTLLGLPKILNEAGRK  87
Lmig          ----------------AHKRNSEIINSLLGLPKLLNDAGRK  86
Dmel          LILENSLGPSVP----IRKRNSELINSLLSLPKNMNDAGK-  102
Aaed          FYHLHNPYVNVVSNKRYGKRNSELINSLLSLPKKLNDAGK-  105
Amel          ----------------HSKRNSELINSLLGLPKNMNNAGK-  84
Nvit          ----------------HPKRNSELINSLLSLPKNMNNAGK-  81
Tcas1987_23-80:. V---------------QGKRNSEVSNAIIG----------  58
                        90        100       110       120

Consensus
XXXXXXXXXXVPSNKRHXKRNSELINSLLGLPKNLNDAGKK
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