```
Turt            ----MLASFILLTFILNFHSSQ--ACFITNCPPGGKRSHGDVDHM---------RECLRCGPDNRGHCVSPNICCGTEFG  65
Smar            ---MKSTHFVNIFIYSVFIFIMADGCYITNCPPGGKRSGNEKSGRGV-------RQCTPCGPGGIGRCYGPDICCGANVG  70
Dpul            MAGLWTFCLIALSMTEMIIPLTAKPCFITNCPPGGKRSSQLVEPSSYL-------ECAPCGPAGKGTCLGANLCCGSHFG  73
Hduj            -MSLQKFLFSAVVVLAIVLQGAL-ACFVTNCPPGGKRSAFSYAPATAFNR----RQCLACGPAGKGRCFGTSICCGDSFG  74
Vdes            ----MKLH---VLVLANIVGLSL-TCFITNCPIGGKRSDTGFGLVQFSSDFRKYSQCPPCGPGSTGQCFGPNICCNS-ES  71
Znev            ----MKMQLGTATLLAVFISLCT-ACLITNCPKGGKRAGTHSQELHTI------RQCARCGPAKLGHCYGPAICCGPQIG  69
Nvit            ----MSKV---IIVLTTLVALSY-GCLITNCPRGGKRGDPTFLLENIA------RECPACGREEQGRCFGPHICCSPSMG  66
Tcas            ----MSTIITSIILLVLSESLVS-GCLITNCPRGGKRSKFAISENAV-------KPCVSCGPGQSGQCFGPSICCGP-FG  67
Dcar29309_1-85:. ----------------------------------------------------------------CPKCG--NNGQCFGPNICCSSYGG  22
Dcar33844_1-67:. ----------------------------------------------------------------CPKCG--NNGQCFGPNICCSSYDG  22
                                10        20        30        40        50        60        70        80

Consensus
MXXLMXXHFIAIXVLAXFISLSXXXCFITNCPPGGKRSXXXXSXXXVXXXFRKYRQCPPCGPXXXGQCFGPNICCGSXFG
```

```
Turt            CLI---NNH-YSSPCRAENLIP-T-PCKIP-GKLCSSG--EGVCTSNGICCNSDGCFNDSTCENDKLSNMQRIFTSD---  133
Smar            CFV---GTR-ESAICRLENLYS-L-PCQNE-GRACGT---DGTCSADGFCCSTDQCKADESCRGKVHHTNNLQRVLDGEI  140
Dpul            CFF---KTE-ETNVCLLTNLKSTQ-ICNQH-FWKTDLK--SASCSLNGDKI-DGICVADLLCCSLGNLPQDDL-------  137
Hduj            CFI---NTE-ETSVCRKENYIR-T-PCFNS-GVACGIND-KGICAADGVCCTEKGCTAEEKCLTLSASMSGYSS------  140
Vdes            CLIDAGDSP-HLRSCKREALKL-K-PCTNT-GMRCGSEN-KGHCALNRFCCTSEGCMVDEACNGKDHDVIRESLMII---  143
Znev            CLV---ATP-DTARCLSEAASP-V-PCTAPTGAQCGEGKFAGRCTANGVCCTHESCHIDITCQLTTSDAPELIDVSADQT  143
Nvit            CLI---GTP-ETLRCRKESLYS-R-PCVAG-FAMCQGN--SGRCAANGICCSQESCFIDSACKLVDETGNDRKIGAEFGA  137
Tcas            CLV---GTP-ETLRCQREGFFHEREPCIAG-SAPCRKN--TGRCAFDGICCSQDSCHADKSCASDDKSPIDLYTLINYQA  140
Dcar29309_1-85:. CRI---NHPADIKQCSSEDLSP-L-PCNIN-SLTCFTVN-GGHCTENGVCCNAESCHVDDTCHKQLIDNQ----------  85
Dcar33844_1-67:. CRI---NHPDDIIQCAFEGNNP-I-PCTID-SQSCSTVI-GGQCAENGVCCN----------------------------  67
                                90        100       110       120       130       140       150       160

Consensus
CLIDAGNTPXETXRCRXENLXPXXEPCTXXTGAACGTNNFXGRCAANGVCCXXESCHADETCXXXDHXXXDLXXVXDXQA
```

```
Turt            ----------------  133
Smar            DLNDVMGPQR--------  150
Dpul            ----------------  137
Hduj            ----------------  140
Vdes            ----------------  143
Znev            NPLYSLYSSYQQENPGLGLSE  164
Nvit            FLLENAGTNEHIL-------  150
Tcas            ELAGDK----------  146
Dcar29309_1-85:. ----------------  85
Dcar33844_1-67:. ----------------  67
                        170       180

Consensus
XLLXXXGXXXXXXNPGLGLSE
```