```
Turt            -----MLNFGSKQ-------------YHHILLTMVVVVIVSTIVSARYLPTR----NDDTRKEQIKELLRMFLEASNSSPD  59
Rpro            MATTTQSKMMSRE---------------VIVVAVLMMVLLSSSMVQSRYLPTR----GADDRILRLRQLLKDLMENDLDPIM  63
Dmel            -------MGVPRSHGTGIGCGSGHRWLLVWMTVLLLVVPPHLVDGRYLPTR----SHGDDLDKLRELMLQILELSNEDPQ  69
Phum            --------MMLRA-------------------FAVCFVILITVNFVSSRWLPTR----SQEDRLDKLKEMLKDLLESEIERAN  52
Tcas            --------MFDRK-----------------LVFALVFVVFATLAVEGRYLPTR----SNGDRIEKLRELLKDLFENEVEKEE  53
Lmig            -------MLSQRK-----------------TVLLLVVALLAAGVAQGRYLPTRRSSASLEDRLDRLRDLINDLVESERPAP-  57
Znev            --------MCCRQ-----------------AVLLALMLVVMYAATEARYLPTR----SQDDRLDRLRELLRDLLESEVEKTN  53
Aric30294_46-90:. ----------------------------------------------PIASNGARYHPRR--AIDDDDADDTRDLLRSLL-------  32
                                  10        20        30        40        50        60        70        80

Consensus
MATTTXXMMMSRXHGTGIGCGSGHRXXXVVLXLVVVVXXSAAVXXRYLPTRRSXXSXDDRLDXLRELLXDLLESEXEKPN

Turt            VD-------------SIQGTAKRSPGSLFDYRGT-------------------NNPSYLIKRTAIEEVPSGDLAA------  102
Rpro            EH-------------PAAPNGQYD--PRLYKRAA-------------------PPVQWDAVGAQFAGN-------------  97
Dmel            QQ-------------QQQQQQQQHPQLRLHNEATGGSSSSSNINNPRVSNGNSNAAWLQKLSAMGALDELGGDGARFGPN  136
Phum            IEGKYMYKRDVNTQIESIQPKNDHDDKKLFKETN-------------------NNNKQLDTKSQL----------------  98
Tcas            YQ-------------ADAPPRWHPESKLFYKREA-------------------PAH-------------------------  77
Lmig            -------------RALPPRRLD-------------------------------------WMLAGEPELDYPQ----------  79
Znev            VN-------------NNSYDR-----RMLYKRQV-------------------PMITTEQQQAPLVSAQQ----------  86
Aric30294_46-90:. ----------------RQASLRKIGFDSD-----------------------------------------------------  45
                                  90       100       110       120       130       140       150       160

Consensus
VQGKYMYKRDVNTQIXAXPPRXQXPXXXLYKRAXGGSSSSSNINNPRVSNGNPNXXWLQKGXXLXXXPQXXXXXARFGPN

Turt            ----  102
Rpro            ----  97
Dmel            YGRY  140
Phum            ----  98
Tcas            ----  77
Lmig            ----  79
Znev            ----  86
Aric30294_46-90:. ----  45

Consensus
YGRY
```