```
Turt4          MTKAILIVLCFSILLTAVELQT-VNNVIETNDDNLVQIAQIEDILVGLDRYIAINHRIRFGRSIKSSNDLSSSLKSISKR 79
Turt3          MFINKIKIVVFIVIFGVALSKRRFSESILNNNKTVVPSENIIGVLSELEKYLAIVGRPRFGRSLNQKSSSKLDTFDCNRI 80
Turt2          MSSSFSSLLVALNSLVISMVIVIVINSKSKEPRILEASDALQHFLKELDRYVAIAGRPRFGRSAYKMPKTIADYFTRKSV 80
Bmor           MRLTLSAILLFAAILSCSAQAQY---PRPRRPERFDTAEQISNYLKELQEYYSVHGRGRYGKRQMHIADAESPFFEHSLN 77
Znev2          MQNPVNLLLVAGLCVVISMAMPCWSDSRPTRPKVFTSPDQLRDYLQELGNYYAIEGRPRFGKRLDTRPSNVTAGLSSAAS 80
Lmig2          MCAVRALVLAAVALAAVAALSAPDVGARPERPPMFTSPEELRNYLTQLSDFYASLGRPR------------------- 59
Hduj           LSQKRARPAVADLEMLISDPSSYHNSSSARNYDNLVTLASTLKRLQELDKYYSHQARPRYGRSVAE----VVDNTPYRIR 76
Aaeg           SSFSRRALVALLVCTLLIDLSSFTD-ARP--QDDPTSVAEAIRLLQELETKHAQHARPRFGKRSYLNPAGERNYYRMIGR 77
Dmel           MCQTMRCILVACVALALLAAGCRVEASRPPRKNDVNTMADAYKFLQDLDTYYGDRARVRFGKRGSLMDILNINLGKNANN 80
Znev1          MQSSLAWFLVVGCALVLMPHVAPTAWAKPTDPEQLAAMADTLKYLQELDRYYSQVARPRFGKRADLRPVN-EQDLAPDDS 79
Lmig1          MSQSRPLALLVVAALVAAAVLVAAAEAQQADGNKLEGLADALKYLQELDRYYSQVARPRFGKRAELRPDVVDDVIPEEMS 80
Smar           LSISTRSTLALICVIVVLYVFCAPAQATSG-PDQAVSMTEALKYLQALDKYYSQVARPRFGRSLPMRYPS--KDMSVEAE 77
Turt1          KKNVRTCVYAFILVVTIVLNLSQQASARPN-IDEMANMAEALRYLEKLDKYYSQIARPRFGRSISD----------TRPGK 70
Pcau20092_11-71 ---AIGVVFVVIMCRSTMVAAGDMP-LPPQRPGVFKTPHQLRTYLQKLNEYYAIVGRPRFGKRTF-------------- 61
Pcau20075_11-72 ---AIGVVFVVIMCRSTMVAAGDMP-LPPQRPGVFKTPHQLRTYLQKLNEYYAIVGRPRFGKRTFD------------- 62
Pcau20082_11-72 ---AIGVVFVVIMCRSTMVAAGDMP-LPPQRPGVFKTPHQLRTYLQKLNEYYAIVGRPRFGKRTFD------------- 62
                                10        20        30        40        50        60        70        80
Consensus
                MSQSRXXVLVXIXCLVIXAAAXDXAXARPXRPDVFVTPAQLXKYLQELDXYYAIVGRPRFGKRXFLRPDXVSDXFSRXXX

Turt4          LKSILKRCKLL 90
Turt3          CDKLFR-----  86
Turt2          NEFRFPGFYQL 91
Bmor           EDGLLKKFGYK 88
Znev2          RGNYFRYPTQS 91
Lmig2          ----------- 59
Hduj           PPYLA------ 81
Aaeg           IQRLQDEQNSI 88
Dmel           GGEFARGFNEE 91
Znev1          SDRLWRRIASR 90
Lmig1          ADKFWRRFARR 91
Smar           ANRLLEQRRR- 87
Turt1          RDPLLTLVN-- 79
Pcau20092_11-71 ---------- 61
Pcau20075_11-72 ---------- 62
Pcau20082_11-72 ---------- 62
                        90
Consensus
               XDRLLRRFNXX
```