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                                                  *******************:****.***:::********:**:::**::*************************::*:*:***:* ****:*: ***..:* *** .***:*** * ***.* :. ::*
gi|45552653|ref|NP_995851.1|      ---------------MTTIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVFENYVADIEVDGKQVELALWDTAGQEDYDRLRPLSYPDTDVILMCFSVDSPDSLENIPEKWTPEVKHFCPNVPIILVGNKKDLRNDPNTIRDLAKMK   150
gi|158292674|ref|XP_001688510.1| MWCLSCVSSPTNSEPMAAIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVFENYVADIEVDGKQVELALWDTAGQEDYDRLRPLSYPDTDVILMCFSVDSPDSLENIPEKWTPEVKHFCPNVPIILVGNKKDLRNDPHTIKELAKMK   150
gi|73981616|ref|XP_540336.2|      ---------------MAAIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVFENYIADIEVDGKQVELALWDTAGQEDYDRLRPLSYPDTDVILMCFSIDSPDSLENIPEKWTPEVKHFCPNVPIILVGNKKDLRQDEHTRRELAKMK   150
gi|6680728|ref|NP_031510.1|       ---------------MAAIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVFENYIADIEVDGKQVELALWDTAGQEDYDRLRPLSYPDTDVILMCFSIDSPDSLENIPEKWTPQVKHFCPNVPIILVGNKKDLRQDEHTRRELAKMK   150
gi|114051153|ref|NP_001039603.1| ---------------MAAIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVFENYIADIEVDGKQVELALWDTAGQEDYDRLRPLSYPDTDVILMCFSIDSPDSLENIPEKWTPEVKHFCPNVPIILVGNKKDLRQDEHTRRELAKMK   150
gi|111494248|ref|NP_001036143.1| ---------------MAAIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVFENYIADIEVDGKQVELALWDTAGQEDYDRLRPLSYPDTDVILMCFSIDSPDSLENIPEKWTPEVKHFCPNVPIILVGNKKDLRQDEHTRRELAKMK   150
gi|27660254|ref|XP_215659.1|      ---------------MATIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVFENYIADIEVDGKQVELALWDTAGQEDYDRLRPLSYPDTDVILMCFSIDSPDSLENIPEKWTPEVKHFCPNVPIILVGNKKDLRQDEHTRRELAKMK   150
gi|71143154|ref|NP_001025020.1|   ---------------MAAIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVFENYIADIEVDGKQVELALWDTAGQEDYDRLRPLSYPDTDVILMCFSIDSPDSLENIPEKWTPEVKHFCPNVPIILVGNKKDLRNDEHTRRELAKMK   150
gi|17541992|ref|NP_502959.1|      ---------------MAAIRKKLVIVGDGACGKTCLLIVFSKDQFPDVYVPTVFENYVADIEVDGKQVELALWDTAGQEDYDRLRPLSYPDTDVILMCFSIDSPDSLENIPEKWTPEVRHFCPNVPIILVGNKRDLRSDPQTVRELAKMK   150
gi|45185413|ref|NP_983130.1|      ----------MAYQTGGNIRKKLVIVGDGACGKTCLLVVFSKGQFPEIHVPTVFENYVADVDIDGRRVELALWDTAGQEDYDRLRPLSYPDSNVVLICFSVDLPDSLDNVQEKWVSEVLHFCQGVPILLVGCKVDLRNDPQVLQQLQAEG   150
                                  1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150
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gi|45552653|ref|NP_995851.1|      QEPVKPQEGRAMAEKINAFAYLECSAKSKEGVRDVFETATRAALQ-----------VKKRKKTR-CLLL   219
gi|158292674|ref|XP_001688510.1| QEPVKPQEGRAMAEKINAFAYLECSAKSKEGVREVFETATRAALQ-----------VKKKKKSK-CVLL   219
gi|73981616|ref|XP_540336.2|      QEPVRSEEGRDMANRISAFGYLECSAKTKEGVREVFEMATRAGLQ-----------VRKNKRRRGCPIL   219
gi|6680728|ref|NP_031510.1|       QEPVRSEEGRDMANRISAFGYLECSAKTKEGVREVFEMATRAGLQ-----------VRKNKRRRGCPIL   219
gi|114051153|ref|NP_001039603.1| QEPVRSEEGRDMANRISAFGYLECSAKTKEGVREVFEMATRAGLQ-----------VRKNKRRRGCPIL   219
gi|111494248|ref|NP_001036143.1| QEPVRSEEGRDMANRISAFGYLECSAKTKEGVREVFEMATRAGLQ-----------VRKNKRRRGCPIL   219
gi|27660254|ref|XP_215659.1|      QEPVRSEEGRDMANRISAFGYLECSAKTKEGVREVFEMATRAGLQ-----------VRKNKRRRGCPIL   219
gi|71143154|ref|NP_001025020.1|   QEPVKPEEGRDMANRINAFGYLECSAKTKEGVREVFEMATRAGLQ-----------VRKNKKRRGCPLL   219
gi|17541992|ref|NP_502959.1|      QEPVKPEQGRAIAEQIGAFAYLECSAKTKDGIREVFEKATQAALQ-----------QKKKKKSK-CMIL   219
gi|45185413|ref|NP_983130.1|      QRPVTAAEGSAVAGKIGAVAYLECSARTGQGVKEVFDTATRAALSGKPAASAGKKKVHGDKKKKKCLVL   219
                                  .......160.......170.......180.......190.......200.......210.........
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