```
logo
NTDB id 55018 ANACY RS21510 WP 015216329.1   MTYSSPQRRSTALTTRTEFSPFGNKLVQSGYINSEQMKQALIESRKSGKMLTDVLESITGQQLSPEFLREYKKQHLFELKILYGV   85
NTDB id 1410 SGL RS13950 WP 010873519.1      MTSSSSSKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLYGV   85
consensus                                    !! !!* **! !*  !  !!!!!!!!!  !**  !!**!!!*  *!*!* !** !  *!!  !!!! !! !!!**!!!!!*!!!!

logo
NTDB id 55018 ANACY RS21510 WP 015216329.1   EFLDPEVNQIGDLMVSQLIETLIPVDICRRHRLVPLSRHDEKTPPYVLVAMVDPDNLEASDDLNRILRNQNLSLQRMVITQEDYQ   170
NTDB id 1410 SGL RS13950 WP 010873519.1      DSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQ.EGDPPSVLVAMVDPDNLAAQDELNRILRVKGFELRRLVVTQDDFN   169
consensus                                    * *!!!! *!*   *  !!    !*! !!!** *!!  **!  !! !!!!!!!!!!! ! !*!!!!!!     ! !*!*!!*!**

logo
NTDB id 55018 ANACY RS21510 WP 015216329.1   QLINQYLDE...FAVKQKQLEQEKFTDVGQDLVDIENLNDEEVAEDK.DADINASIKDAEDAPIIKLVNRILFKALHEGVSDIHI   251
NTDB id 1410 SGL RS13950 WP 010873519.1      QLLEQYYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNKILAKALQEGTSDIHV   254
consensus                                    !!* !!   ****   !   *!!*  !  *!! !!    !  **!!!*! !      !!  !!*! !!!*!! !!!*!! !!!!*

logo
NTDB id 55018 ANACY RS21510 WP 015216329.1   EPQEENLRIRFRKDGVLREAFPAMPKKIILAVTARFKIIANLDIAERRLPQDGRIRRLFEGRKVDFRVNTLPSRYGEKVVLRILD   336
NTDB id 1410 SGL RS13950 WP 010873519.1      EPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQGRKVDFRVNTLPSRYGEKVCLRILD   339
consensus                                    !!!!! !!!!!!!!!!!  !!***!*!! *!! !!!!!*! *!!!!!! !!!!*!!!** !!!!!!!!!!!!!!!!!!!*!!!!!

logo
NTDB id 55018 ANACY RS21510 WP 015216329.1   NSSTQLGLDKLITDPETLHIVQDMVSRPFGLILVTGPTGSGKTTSLYSALAEKNDPGINISTVEDPIEYSLPGITQVQVIREKGL   421
NTDB id 1410 SGL RS13950 WP 010873519.1      NSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEVNINTAEDPIEYALPGITQVQVIREKGM   424
consensus                                    !! !!!!!! !!! !!!!* ! **  !!*!!*!!!!!!!!!!*!*!!! !!!*! ! *!! ! !!!!!! !!!!!!!!!!!!!!*

logo
NTDB id 55018 ANACY RS21510 WP 015216329.1   DFSTALRAFLRQDPDVLLVGETRDKETAKTAIEAALTGHLVLTTLHTNDAPGAIARLGEMEIEPFMVSSSLIGVLAQRLVRRVCS   506
NTDB id 1410 SGL RS13950 WP 010873519.1      DFSNILRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAAGAIARLDEMGVEPFMVSGSLLGVLAQRLMRKVCT   509
consensus                                    !!!  !!!!*!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!! !! *!!!!!!! !!*!!!!!!*!*!!*

logo
NTDB id 55018 ANACY RS21510 WP 015216329.1   ECRIPYTPTTEELARYGLSASTDVGITFYKANSLLPEAIAEAQSKNQLCQKCNGVGYKGRVGVYEVMRITETLQTLINEDAPTER   591
NTDB id 1410 SGL RS13950 WP 010873519.1      ECRIAYHPSKEELSRFGLSASGDEVVTFYKANSLSPDEIHLARQKGNLCQKCSGSGYKGRVGVYEVMRNSERIAELINQGATTDR   594
consensus                                    !!!!*!*!* !!! !*!!!!! !  *!!!!!!!! !* !* !  ! *!!!!! ! !!!!!!!!!!!!! *! *   !!!  !*!*!
```

```
logo
NTDB id 55018 ANACY RS21510 WP 015216329.1  IKEVAVEEGMKTLLAYSLDLVRQGATTLEEVDRVTFTDTGLEAELKAKRKSGLTCKTCDATLQQEWLDCPYCMTPRFQD   670
NTDB id 1410 SGL RS13950 WP 010873519.1     IKDCAVEEGMITLLAYSLNLVQEGYTTLEEVERVTFTDTGLESEMRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS.   672
consensus                                   !!**!!!!!! !!!!!!! !!  ! !!!!!!*!!!!!!!!!! !**!!!!!*!!!*!! ! !!!!!!!!!!!!!*!! *
```

X non conserved
X similar
X $\geq$ 50% conserved