```
logo
NTDB id 35863 RIV7116 RS00630 WP 015116315.1  MTYSSQQRRSTALSVKSEFSPFGNKLVQSGFVDNSQMKQALIESRKSGRPLIEVIESIAGRQLSPELLREYKKQQLFELK   80
NTDB id 1410 SGL RS13950 WP 010873519.1       MTSSSSSKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELK   80
consensus                                     !! !!   **! !* **  !!!!!!!!!  !*!!  !**!!!*  *!*!!*!*! *  * !! !!!!!!! !!!*!!!!!!

logo
NTDB id 35863 RIV7116 RS00630 WP 015116315.1  ILYGVESLDPEVSQVGTTSVGGLIETLVPVDICRRHRLIPLSKHEDENPPYILVAMVDPDNLEASDDLNRILRPQGFSLQ  160
NTDB id 1410 SGL RS13950 WP 010873519.1       VLYGVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQE.GDPPSVLVAMVDPDNLAAQDELNRILRVKGFELR  159
consensus                                     *!!!!*!*!!!! ***!  ** !!    !*! !!!** *!!  *!*  !! *!!!!!!!!!! ! !*!!!!!!* !! !

logo
NTDB id 35863 RIV7116 RS00630 WP 015116315.1  RMVITAEDYQQLINQFLDEMAVKQKHIEKQ....QFTDINQDLENLDNLDLEDAPEEAEADLGSAMKGAEDAPIINLVNR  236
NTDB id 1410 SGL RS13950 WP 010873519.1       RLVVTQDDFNQLLEQYYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNK  239
consensus                                     !*!*! *!**!!* !*         * !! ****    *!   * *  *!*  ***  * ! *     !  !!*!!!!!*

logo
NTDB id 35863 RIV7116 RS00630 WP 015116315.1  ILAKALHEGVSDIHIEPQEENLRIRFRKDGVLREAFDPLPKKIVPAITARFKIIATLDIAERRLPQDGRIRRLFEGRKVD  316
NTDB id 1410 SGL RS13950 WP 010873519.1       ILAKALQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQGRKVD  319
consensus                                     !!!!!!*!! !!!!*!!!!! !!!!!!!!!!!  !!!!!!*!! !!* !!!!!*! *!!!!!! !!!!*!!!** !!!!!

logo
NTDB id 35863 RIV7116 RS00630 WP 015116315.1  FRVNTLPSRYGEKVVLRILDNSSTQLGLDKLITDTETLQIVQEMVSRPFGLILVTGPTGSGKTTSLYSALAERNSPDINI  396
NTDB id 1410 SGL RS13950 WP 010873519.1       FRVNTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEVNI  399
consensus                                     !!!!!!!!!!!!!!!*!!!!!!! !!!!!! !!! *!!!! ! !*  !!*!!*!!!!!!!!!!*!*!!! !!!!!!!**!!

logo
NTDB id 35863 RIV7116 RS00630 WP 015116315.1  STVEDPVEYSLPGITQVQVIREKGLDFGTALRAFLRQDPDVLLVGETRDKETAKTAIEAALTGHLVLTTLHTNDAPGAIA  476
NTDB id 1410 SGL RS13950 WP 010873519.1       NTAEDPIEYALPGITQVQVIREKGMDFSNILRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAAGAIA  479
consensus                                      ! !!!*!! !!!!!!!!!!!!!!*!!   !!!!*!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!

logo
NTDB id 35863 RIV7116 RS00630 WP 015116315.1  RLGEMGIESFMISSSLIGVLAQRLMRRVCSECRIEYSPTSQELSRYGLSASQEADVTFYKANTLSIEQAQEAKANNNLCE  556
NTDB id 1410 SGL RS13950 WP 010873519.1       RLDEMGVEPFMVSGSLLGVLAQRLMRKVCTECRIAYHPSKEELSRFGLSASGDEVVTFYKANSLSPDEIHLARQKGNLCQ  559
consensus                                     !! !!!*!*!!*! !!*!!!!!!!!!!*!!*!!!! !*!*  !!!!*!!!!! *  !!!!!!!*!!**  * !*   !!!
```

```
logo
NTDB id 35863 RIV7116 RS00630 WP 015116315.1  KCNGIGYKGRCGVYEVMRITERIQALINEEAPTELIKEAAVEEGMKTLLAYSLDLVRQGATTLEEVERVTFTDTGLEAEL   636
NTDB id 1410 SGL RS13950 WP 010873519.1       KCSGSGYKGRVGVYEVMRNSERIAELINQGATTDRIKDCAVEEGMITLLAYSLNLVQEGYTTLEEVERVTFTDTGLESEM   639
consensus                                     !! ! !!!!!*!!!!!!! *!!!  !!!  !*!* !!**!!!!!! !!!!!!! !!  ! !!!!!!!!!!!!!!!!! !*

logo
NTDB id 35863 RIV7116 RS00630 WP 015116315.1  KAKRKSGLTCRNCEAQLQPEWLDCPYCMTSRFQD   670
NTDB id 1410 SGL RS13950 WP 010873519.1       RAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS.   672
consensus                                     *!!!!!*!!!! ! ! !!*!!!!!!!!!!!!! *
```

X non conserved

X similar

X $\geq$ 50% conserved