```
logo
NTDB id 973457 WJM97 RS07575 WP 353932429.1  MTYSSPQRRSTALTTRTEFSPFGNKLVQSGYVDNEQMRQALAESRKSGKMLTDVLESITGKELAPEFLREYKKQHLFELK   80
NTDB id 1410 SGL RS13950 WP 010873519.1      MTSSSSSKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELK   80
consensus                                    !! !!* **! !*  !  !!!!!!!!!  !*!! !!*!!!!   *!*!* !** !  *!!*!! !! !! !!!**!!!!!

logo
NTDB id 973457 WJM97 RS07575 WP 353932429.1  ILYGVESIDPEVNEVGNITVGKLIENLIPVDVCRRHRLVPLVKREQENPPYVLVAMVDPDNLEACDDLSRILRSQGLSLQ  160
NTDB id 1410 SGL RS13950 WP 010873519.1      VLYGVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQE.GDPPSVLVAMVDPDNLAAQDELNRILRVKGFELR  159
consensus                                    *!!!!*!*!!!! ***   ** !!    !*! !!!** *!!   !*  !! !!!!!!!!!!! !*!*! !!!!  !  !

logo
NTDB id 973457 WJM97 RS07575 WP 353932429.1  RMVITQEDYQRLINQYLD...EFAVKQEKLQQEKLTDISQDIESLNQDMIQEV.AEDSEVDLTVAMKDADDAPIINLANK  236
NTDB id 1410 SGL RS13950 WP 010873519.1      RLVVTQDDFNQLLEQYYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNK  239
consensus                                    !*!*!!*!** !* !!  ***!*   !!!  !!*  !  *!*  *   *   ** *  *!!  *   !!  !!*!!! !!

logo
NTDB id 973457 WJM97 RS07575 WP 353932429.1  ILFVALRDGVSDIHIEPQEESLRIRFRKDGVLRESEAIRPMPKHIVPAVTARFKIISNLDIAERRLPQDGRIRRVFDGRK  316
NTDB id 1410 SGL RS13950 WP 010873519.1      ILAKALQEGTSDIHVEPQEETLRIRFRKDGVLNQ..AFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQGRK  317
consensus                                    !!  !! *! !!!!*!!!!!*!!!!!!!!!!!  **!  !*!**! !!! !!!!!*  *!!!!!! !!!!*!!!** !!!

logo
NTDB id 973457 WJM97 RS07575 WP 353932429.1  VDFRVNTLPSRYGEKICLRILDNSSTQLGLDKLITDPVTLKIVQDMVSKPFGLILVTGPTGSGKTTSLYSALAEVNDPGI  396
NTDB id 1410 SGL RS13950 WP 010873519.1      VDFRVNTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEV  397
consensus                                    !!!!!!!!!!!!!!!*!!!!!!!! !!!!!! !!! ! !!  ! **  *!*!!*!!!!!!!!!!*!*!!! !!! ! ! *

logo
NTDB id 973457 WJM97 RS07575 WP 353932429.1  NISTVEDPVEYSLPGLTQVQVIREKGLDFATALRAFLRQDPDVLLVGETRDKETAKTAIEAALTGHLVLTTLHTNDAPGA  476
NTDB id 1410 SGL RS13950 WP 010873519.1      NINTAEDPIEYALPGITQVQVIREKGMDFSNILRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAAGA  477
consensus                                    !! ! !!!*!! !!!*!!!!!!!!!!*!!   !!!!*!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!

logo
NTDB id 973457 WJM97 RS07575 WP 353932429.1  IARLGEMGIEPFMVSSSLIGVLAQRLVRRVCSDCRIPYTPTSEQLARYGLSASQEGAVTFYKPNTLSPEVV..AEGKTKV  554
NTDB id 1410 SGL RS13950 WP 010873519.1      IARLDEMGVEPFMVSGSLLGVLAQRLMRKVCTECRIAYHPSKEELSRFGLSASGDEVVTFYKANSLSPDEIHLARQKGNL  557
consensus                                    !!!! !!!*!!!!!! !!*!!!!!!!*!*!!**!!!*!*!* ! ! !*!!!!! *  !!!!!*!*!!!* ***!  !  *
```

```
logo
NTDB id 973457 WJM97 RS07575 WP 353932429.1  CPKCGGIGYKGRCGVYEVMRITENLQTLINQEAPTERIKEVAVEEGMKTLLAYSLDLVRQGATTLEEVERVTFTDTGLEA   634
NTDB id 1410 SGL RS13950 WP 010873519.1      CQKCSGSGYKGRVGVYEVMRNSERIAELINQGATTDRIKDCAVEEGMITLLAYSLNLVQEGYTTLEEVERVTFTDTGLES   637
consensus                                    !*!! ! !!!!!*!!!!!!! *! *  !!!! !*!*!!!**!!!!!! !!!!!!! !!  ! !!!!!!!!!!!!!!!!!!
```

```
logo
NTDB id 973457 WJM97 RS07575 WP 353932429.1  ELKAKRKSGLTCKTCDATLQPEWLDCPYCLTPRFQD   670
NTDB id 1410 SGL RS13950 WP 010873519.1      EMRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS.   672
consensus                                    !**!!!!!*!!!*!! ! !!*!!!!!!!!!*!*!! *
```

X non conserved

X similar

X $\geq$ 50% conserved