```
logo
NTDB id 996540 NSQ96 RS11915 WP 346199856.1  ........MQQEERYIKGRPIVTIFHNEQNLYTVLRIRVDESNEAGVNKDAVVTGYFPRLYEEETYIFYGKFTDHPKYGP   72
NTDB id 355 BSU 27480 NP 390625.1            MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGL   80
consensus                                    ********   !!*!*!! *   !*!!* !!!!!!***! !* !!   !   !!!!!! ! !!!!! !!!!   !!!*!*

logo
NTDB id 996540 NSQ96 RS11915 WP 346199856.1  QFQVDHFRKDLPKTKQGVVQYLSSELFKGIGKKTAENIVDVLGENAIERIMKQPSLLDTVPKLAADKAKLLHEKLIEYQG  152
NTDB id 355 BSU 27480 NP 390625.1            QFQAEHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQG  160
consensus                                    !!! *!!*!**! !! !**!!!!!*!! !!!!!!!! !!  !!* !! *!*  *!*!  !!*!   !!  !*  !  *!!

logo
NTDB id 996540 NSQ96 RS11915 WP 346199856.1  LENIMVGLNQYGFGPQLSMRIYQTYKEHTLEIVENNPYKLVEDIEGIGFGRADELGFKLGMKGNHPDRVKAGCLYTLETD  232
NTDB id 355 BSU 27480 NP 390625.1            LEQIMISLNQFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETT  240
consensus                                    !!*!!* !!!*!!!!!!!!*!!! !  *!!! *  !!! !! !*!!!!!!*!!!!! **!* !!!!*!!!!**!!!!!!

logo
NTDB id 996540 NSQ96 RS11915 WP 346199856.1  CIQEGHCYLEKKTFIPTVKKLLESNQP..VEIFPEEIEHELLKLEEEGKIVIDEERVFLPSIFYSEKGLVTNIKRILAQK  310
NTDB id 355 BSU 27480 NP 390625.1            CLSEGHTYIETEQLIIDTQSLLNQSAREGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQT  320
consensus                                    !* !!!*!*!    !*    !!    ***  ! * *  * ** ! !   !!!** !** !!*!! !  *   *!*!  !

logo
NTDB id 996540 NSQ96 RS11915 WP 346199856.1  EFEDGFPESEFLLALGSLEERLGIQYAPSQREAIQTALSSPMLILTGGPGTGKTTVIKGIVELYGELHGCSLDPKDYKKD  390
NTDB id 355 BSU 27480 NP 390625.1            EYENQFPESEFLLALGELEERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKD  400
consensus                                    !*!  !!!!!!!!!!! !!!!* *!!!!!!*!!!! !!!!!!!*!!!!!!!!!!!!!*!!!!!!!!!!!*!!!!  !!!!

logo
NTDB id 996540 NSQ96 RS11915 WP 346199856.1  EVFPFVLAAPTGRAAKRMAESTGLPAVTIHRLLGWNGTETFDYNEDNPIEVKIVIIDEMSMVDIWLAHHLFKALPAHVQV  470
NTDB id 355 BSU 27480 NP 390625.1            EAFPIVLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQI  480
consensus                                    !  !! !!!!!!!!!!!!! !!!!!!!!!!!!!!!!!! !  ! * !!*!!! !**!!!! !!*!!!!!*!!!!!*! !*!*

logo
NTDB id 996540 NSQ96 RS11915 WP 346199856.1  ILVGDEDQLPSVGPGQVLKDLLASERIPTVRLTDIYRQESGSSIIQLAHAIKNGTIPEDLRNQQKDRSFISCRTTQVADV  550
NTDB id 355 BSU 27480 NP 390625.1            IIVGDEDQLPSVGPGQVLRDLLASQVIPTVRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEV  560
consensus                                    !*!!!!!!!!!!!!!!!!!*!!!!!  !!!!!!!!!!!!!  !!!!* !!! *!!! *!  !  * !!!!!! !  *!* *!
```

```
logo
NTDB id 996540 NSQ96 RS11915 WP 346199856.1  VKQVVGHAINKGYTPKDIQVLAPMYRGPAGIDELNILLQEILNGTNKEKRRELNFGDHTYRVGDKVLQLINQPDKNIFNG   630
NTDB id 355 BSU 27480 NP 390625.1            VEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNVMLQDILNP.PKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNG   639
consensus                                    !  !!**!* !!!!*!!!!!!!!!!!!*!!!  !!!**!!*!!!***!!!!!!! !!!* !! !!!*!!!*!!!* !*!!!

logo
NTDB id 996540 NSQ96 RS11915 WP 346199856.1  DIGEIVAIFYAKETEEKVDQLVVSFDGNEVTYPRQDLHQITLAYCCSIHKSQGSEFPIVILPIVRGYHRMLRRNLIYTAI   710
NTDB id 355 BSU 27480 NP 390625.1            DIGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAI   719
consensus                                    !!!!!  !!!!!!  !! !  !!!!!!!!*!*** ! *! !*!!!!!!!!!!!!!!!!!*!!*!*!!*!!!!!!!*!!!!

logo
NTDB id 996540 NSQ96 RS11915 WP 346199856.1  TRSKEKLILCGEEDAFRTAVYRTDDNMRNTTLKKRLLQEINGNHTPDIGVVKEDMSYEERLMNTDPMVGMENISPYDFMI   790
NTDB id 355 BSU 27480 NP 390625.1            TRAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLSVQVEEMDA.....ELEALQKELPFSVHDANIGMEGITPFDFMK   794
consensus                                    !! !  !!!!!!!*!   *!   !  *!*!*!! !!   *   * *****  ! *  ! *   *!* *!!! !*!*!!!

logo
NTDB id 996540 NSQ96 RS11915 WP 346199856.1  EDRAEYLS   798
NTDB id 355 BSU 27480 NP 390625.1            EEQQ....   798
consensus                                    !*  ****
```

X non conserved

X similar

X $\geq$ 50% conserved