```
logo
NTDB id 394394 GBR75 RS07925 WP 001283328.1  ....MSDPTLFDYSMIKGTVEAILFQNSDNFYTVLKVDTIETNEDFD.TMPTVVGFLPNIVEGDVYTFKGQVVDHPRYGK   75
NTDB id 355 BSU 27480 NP 390625.1            MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGL   80
consensus                                    *****  * ! * * *!!!!  ****!  ! !!!!!!   !! !  **  **! !* ! * ! * !!! ! *! !!**!

logo
NTDB id 394394 GBR75 RS07925 WP 001283328.1  QLKAETFEKEMPQTKEAIISYLSSDLFKGVGKKTAQNIVNTLGDNAINDILDDHSVLEKVSGLSKKKQKQIAEQISANQE  155
NTDB id 355 BSU 27480 NP 390625.1            QFQAEHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQG  160
consensus                                    !  !!*! !!*! !!!*!! !!!!!!! !*!!!!!  !!  !!! !!! !! !*!!!  !* !!!!!   *!  *  *!

logo
NTDB id 394394 GBR75 RS07925 WP 001283328.1  SERIMIRLHDLGFGPKLSMAIYQFYLGDTLTILDRNPYQLIYDIKGIGFNKADQLARNIGIAYNDNERLKAALLYTLEEE  235
NTDB id 355 BSU 27480 NP 390625.1            LEQIMISLNQFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETT  240
consensus                                     ! !!! !*  !!!! !!! !!! !  *!!  *  !!!!!* !* !!!! !!! !*  *!*  !**!!*!!!*!!!!!

logo
NTDB id 394394 GBR75 RS07925 WP 001283328.1  CIKQGHTYLPINVVIDLTVDVLNYQDEEVI..EPEKLDEMLQYLNEEKRLIIDNEQVAIPSLYYSEIKSVQNLFRIKTHT  313
NTDB id 355 BSU 27480 NP 390625.1            CLSEGHTYIETEQLIIDTQSLLNQSAREGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQT  320
consensus                                    !*  !!!!**   *!  !  *!!    !  ** *     *  ! ! ! **!*   *  !!!*! !      * *! **!

logo
NTDB id 394394 GBR75 RS07925 WP 001283328.1  NKLTEIEQSDLQMHIGEIEDANQVNYAASQKEALQTAINSKVMLLTGGPGTGKTTVIKGIVELYAEIHGLSLDYDDYVN.  392
NTDB id 355 BSU 27480 NP 390625.1            EYENQFPESEFLLALGELEERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKD  400
consensus                                          * !*  ***!!*!*   !*!!*!!!!!*! !* !***!!!!!!!!!!!!!!*!!!!!!*!*!!*!!!*  !  *

logo
NTDB id 394394 GBR75 RS07925 WP 001283328.1  DDYPVVLAAPTGRASKRLQESTGLEAMTIHRLIGWNQDTKPEDILENEINARLIIIDEMSMVDTWLFHQFLSAVPLDAQL  472
NTDB id 355 BSU 27480 NP 390625.1            EAFPIVLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQI  480
consensus                                    * *!*!!!!!!!!! !!* !!!!!*!*!!!!!*!!!    * *  ***! **!*!!!! !!*! !! **   !*! * !*

logo
NTDB id 394394 GBR75 RS07925 WP 001283328.1  IFVGDEDQLPSVGPGQVFKDLIESKAIPRVNLTEVYRQQDGSSIIELAHRMKLGQKI.DITQRFHDRSFINCQANQIPTV  551
NTDB id 355 BSU 27480 NP 390625.1            IIVGDEDQLPSVGPGQVLRDLLASQVIPTVRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEV  560
consensus                                    ! !!!!!!!!!!!!!!! *!!* !  !! ! !!**!!! *!!!!*!!!! !! !  ** *! * *!!!!! ! * !!* !
```

```
logo

NTDB id 394394 GBR75 RS07925 WP 001283328.1  VEKVVTSAVNKGYTMADIQVLAPMYKGNAGIKRLNQVLQDILNPKKKKDTREIEFGDVVFRKGDKVLQLVNRPNDNIFNGD  631
NTDB id 355 BSU 27480 NP 390625.1            VEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNVMLQDILNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGD  640
consensus                                    !!!!!  !* !!!!  !!!!!!!!!*! !!!  !! *!!!!!!!*!   !!* !!!!!*! !!!*!!!!! !  !*!!!!

logo

NTDB id 394394 GBR75 RS07925 WP 001283328.1  IGVIVGIFGAKENALNKDVLVVDFEGNEITFTKQDMMELTHAYCTSIHKSQGSEFPIVIMPIVKQYFRMLQRPILYTGLT  711
NTDB id 355 BSU 27480 NP 390625.1            IGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAIT  720
consensus                                    !! !  !! !!!!    !* !! !*!!!*!!!! !    !!!!!*!!!!!!!!!!!!!**!*!! !*!!! !**!!!**!

logo

NTDB id 394394 GBR75 RS07925 WP 001283328.1  RAKTSLVLLGDPEAFDIGLKTNGQARLTQLCTLLKNYFNSEDEEMLENTATNDTGASQTTIDDQVEVPMSSNASEEVTSD  791
NTDB id 355 BSU 27480 NP 390625.1            RAKKFLILCGEEEALEWGVKNNDATVRQ...TSLKNRLSVQVEEMDAE................L................  766
consensus                                    !!!  !*!*!**!! * !*! !      ***! !!!      !!!   ********************************

logo

NTDB id 394394 GBR75 RS07925 WP 001283328.1  STKTDTNVLTEATMFKIDPMINMGEITPYDFIER...  825
NTDB id 355 BSU 27480 NP 390625.1            .....EALQKELPFSVHDANIGMEGITPFDFMKEEQQ  798
consensus                                    *****  *  ! *   *!* ! !  !!!*!!*  ***
```

X non conserved

X similar

X $\geq$ 50% conserved