```
logo
NTDB id 982977 NSQ60 RS12730 WP 041118108.1  MQEHPDQMKLEDEPFLKGTIQAVIFHNESNLYSVLKVKVIETSENLEEKTASVTGYFPALHEEETYTFYGKVTSHPKFGE   80
NTDB id 355 BSU 27480 NP 390625.1            MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGL   80
consensus                                    !! !!!!*!!!*!!*!!!!** !!*!!**!!!*!!!!!! !!!! *!*!  !!!!!!!!!*!!!!!!!!!!* *!!!!!

logo
NTDB id 982977 NSQ60 RS12730 WP 041118108.1  QFQATHFQKEVPTTKQGIIHYLSSDLFEGIGKKTAEEIVGKLGNQTLHKIMRDPAVLYDVPRLSKKKADKLAAALQEHQG  160
NTDB id 355 BSU 27480 NP 390625.1            QFQAEHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQG  160
consensus                                    !!!! !! !!*!!!! !!!*!!!!!!!!!!!!!!!!!!! !!!   **!!* !* !!!!!!!!!!!!!! !!*!!! !!!

logo
NTDB id 982977 NSQ60 RS12730 WP 041118108.1  LEQIMISLNQYGFGPQLSMKIYQVYESETLQKIEENPYQLVKDVEGIGFIKADELGARTGISGNDPERIRAALLYTVETA  240
NTDB id 355 BSU 27480 NP 390625.1            LEQIMISLNQFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETT  240
consensus                                    !!!!!!!!!!*!!!!!!!!!!!!! !!!!!! !! !!!!!!!!!!!!!!!! !!!!!! ! !*!!!*!!!**!!*!!!*!!

logo
NTDB id 982977 NSQ60 RS12730 WP 041118108.1  SLQDGHTYIQTKDLIVETRKLLNQTGN.DYKVTEMDVANQIIALGEGKEMIIEDDRCYHPSLFYAEQSVAKRIQKIVSQT  319
NTDB id 355 BSU 27480 NP 390625.1            CLSEGHTYIETEQLIIDTQSLLNQSAREGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQT  320
consensus                                    *! *!!!!! !  !!**!  !!!!** *  **!!!! !! !!!!!! !***!!! !!!*!!!!!!!! !!!!* *! !!!

logo
NTDB id 982977 NSQ60 RS12730 WP 041118108.1  EYADQFPESEFLLALGELEERLGVQYAPTQKEAIQKALMSPMLLLTGGPGTGKTTVIKGIVELYSDLHGVSLDPSDYKKD  399
NTDB id 355 BSU 27480 NP 390625.1            EYENQFPESEFLLALGELEERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKD  400
consensus                                    !!  !!!!!!!!!!!!!!!!!* !!!!!*!!!!!!!!! !!!!!!!!!!!!!!!!!!*!!!!!! *!!!!!!!!! !!!!

logo
NTDB id 982977 NSQ60 RS12730 WP 041118108.1  ESFPFVLAAPTGRAAKRMTESTGLPAVTIHRLLGWNGSEGFSHDEEQPIEGKLVIIDESSMLDIWLANHLFKAIPDHIQV  479
NTDB id 355 BSU 27480 NP 390625.1            EAFPIVLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQI  480
consensus                                    ! !! !!!!!!!!!!!!!*!!!!!!!!!!!!!!!!! !!!*! !*!!!!!!!*!!!!! !!!!!!!!!!!!!!!!!!!*

logo
NTDB id 982977 NSQ60 RS12730 WP 041118108.1  IMVGDEHQLPSVGPGQVLRDLLASKAVPAVTLTDIYRQADGSTIVELAHDMKNGVLPKDITARSKDRSFIRCSADQMKEV  559
NTDB id 355 BSU 27480 NP 390625.1            IIVGDEDQLPSVGPGQVLRDLLASQVIPTVRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEV  560
consensus                                    !*!!!!*!!!!!!!!!!!!!!!!!!  *! ! !!!!!!!!*!!*!!!!!! !!!!*!!  *!!**!!!!!!!! * !*!!!
```

```
logo
NTDB id 982977 NSQ60 RS12730 WP 041118108.1  IEKVVSNAAQKGFSAKDIQVLAPMYKGKAGINELNKMLQHILNPKKPKGREIPFGDVVYRTGDKVLQLVNQPENNIFNGD   639
NTDB id 355 BSU 27480 NP 390625.1            VEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNVMLQDILNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGD   640
consensus                                    *!!!! !!  !!**!!!!!!!!!!!*!!!!!!!!! !!!*!!!!*!*! !!**!!!!!!!!!!!*!!!!!!!!!!*!!!!

logo
NTDB id 982977 NSQ60 RS12730 WP 041118108.1  IGEIVSIFYAKENTEKEDMAVISFDGNEITFTKKDFHQFTHAYCCSIHKSQGSEFPIVVLPVVRSYYRMLRRNLLYTAIT   719
NTDB id 355 BSU 27480 NP 390625.1            IGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAIT   720
consensus                                    !!!! !!!!!!!!!!!!!!!!*!!!!!!*!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!* !!!!!!!!!!!!!!!

logo
NTDB id 982977 NSQ60 RS12730 WP 041118108.1  RSKKFLILCGEESALEWGVKNNEDSLRQTSLTMRLVQTEQIMDAELEALQKELPFSVHDANIGMEGITPFDFMHE...   794
NTDB id 355 BSU 27480 NP 390625.1            RAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLSVQVEEMDAELEALQKELPFSVHDANIGMEGITPFDFMKEEQQ   798
consensus                                    ! !!!!!!!!!! !!!!!!!!!!* **!!!!!  !!      !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!***
```

X non conserved

X similar

X $\geq$ 50% conserved