```
logo
NTDB id 970304 MHH77 RS12145 WP 339163288.1  MQEHPDQMKLEDEPFLKGTVQAVIFHNESNLYSVLKVKVIETSENLEEKTASVTGYFPALHEEETYTFYGKVTSHPKFGE   80
NTDB id 355 BSU 27480 NP 390625.1            MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGL   80
consensus                                    !! !!!!*!!!*!!*!!!!!* !!*!!**!!!*!!!!!! !!!! *!*!  !!!!!!!!!*!!!!!!!!!!* *!!!!!

logo
NTDB id 970304 MHH77 RS12145 WP 339163288.1  QFQATHFQKEVPTTKQGIIHYLSSDLFEGIGKKTAEEIVGQLGSQTLHKIMRDPAVLYDVPRLSKKKADKLAAALQEHQG  160
NTDB id 355 BSU 27480 NP 390625.1            QFQAEHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQG  160
consensus                                    !!!! !! !!*!!!! !!!*!!!!!!!!!!!!!!!!!!! !!   **!!* !* !!!!!!!!!!!!!! !!*!!! !!!

logo
NTDB id 970304 MHH77 RS12145 WP 339163288.1  LEQIMISLNQYGFGPQLSMKIYQVYESETLQKIEENPYQLVKDVEGIGFIKADELGARTGISGSDPERIRAALLYTVETA  240
NTDB id 355 BSU 27480 NP 390625.1            LEQIMISLNQFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETT  240
consensus                                    !!!!!!!!!!*!!!!!!!!!!!!! !!!!!! !! !!!!!!!!!!!!!!!! !!!!!! ! !*!! *!!!**!!*!!!*!!

logo
NTDB id 970304 MHH77 RS12145 WP 339163288.1  SLQDGHTYIQTKDLIVETRKLLNQTGNE.YKVTEMDVANQIIALGEGKEMIIEDERCYHPSLFYAEQSVAKRIQKIVSQT  319
NTDB id 355 BSU 27480 NP 390625.1            CLSEGHTYIETEQLIIDTQSLLNQSAREGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQT  320
consensus                                    *! *!!!!! !  !!**!  !!!!** !* **!!!! !! !!!!!! !***!!! !!!*!!!!!!!! !!!!* *! !!!

logo
NTDB id 970304 MHH77 RS12145 WP 339163288.1  EYADQFPESEFLLALGELEERLGVQYAPTQKEAIQKALMSPMLLLTGGPGTGKTTVIKGIVELYSDLHGVSLDPSDYKKD  399
NTDB id 355 BSU 27480 NP 390625.1            EYENQFPESEFLLALGELEERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKD  400
consensus                                    !!  !!!!!!!!!!!!!!!!!* !!!!!*!!!!!!!!! !!!!!!!!!!!!!!!!!!*!!!!!! *!!!!!!!!! !!!!

logo
NTDB id 970304 MHH77 RS12145 WP 339163288.1  ESFPFVLAAPTGRAAKRMTESTGLPAVTIHRLLGWNGSEGFSHDEEQPIEGKLVIIDESSMLDIWLANHLFKAIPDHTQV  479
NTDB id 355 BSU 27480 NP 390625.1            EAFPIVLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQI  480
consensus                                    ! !! !!!!!!!!!!!!!*!!!!!!!!!!!!!!!!! !!!*! !*!!!!!!!*!!!!! !!!!!!!!!!!!!!!!!! !*

logo
NTDB id 970304 MHH77 RS12145 WP 339163288.1  IMVGDEHQLPSVGPGQVLRDLIASQAVPAVTLTDIYRQADGSSIVELAHDMKNGVLPKDITARSKDRSFIKCSADQMKEV  559
NTDB id 355 BSU 27480 NP 390625.1            IIVGDEDQLPSVGPGQVLRDLLASQVIPTVRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEV  560
consensus                                    !*!!!!*!!!!!!!!!!!!!!!!*!!! *! ! !!!!!!!!*!!!!!!!!! !!!!*!!  *!!**!!!!!!*! * !*!!!
```

```
logo
NTDB id 970304 MHH77 RS12145 WP 339163288.1  IEKVVSNAAQKGYSAKDIQVLAPMYKGKAGINELNKMLQHILNPKKPKGREIPFGDVVYRTGDKVLQLVNQPENNIFNGD   639
NTDB id 355 BSU 27480 NP 390625.1            VEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNVMLQDILNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGD   640
consensus                                    *!!!! !!  !!!*!!!!!!!!!!!*!!!!!!!!! !!!*!!!!*!*! !!**!!!!!!!!!!!*!!!!!!!!!!*!!!!

logo
NTDB id 970304 MHH77 RS12145 WP 339163288.1  IGEIVSIFYAKENTEKEDMAVISFDGNEITFTKKDFHQFTHAYCCSIHKSQGSEFPIVVLPVLRSYYRMLRRNLLYTAIT   719
NTDB id 355 BSU 27480 NP 390625.1            IGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAIT   720
consensus                                    !!!! !!!!!!!!!!!!!!!!*!!!!!!*!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!** !!!!!!!!!!!!!!!

logo
NTDB id 970304 MHH77 RS12145 WP 339163288.1  RSKKFLILCGEESALEWGVKNNEDSLRQTSLTMRLVQTGEVMDAELAALQKELPFSVHDANIGMEGITPFDFMHE...   794
NTDB id 355 BSU 27480 NP 390625.1            RAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLSVQVEEMDAELEALQKELPFSVHDANIGMEGITPFDFMKEEQQ   798
consensus                                    ! !!!!!!!!!! !!!!!!!!!!* **!!!!!  !!    ! !!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!*!***
```

X non conserved

X similar

X $\geq$ 50% conserved