```
logo
NTDB id 356731 RI02 RS12105 WP 017367701.1  MQEHPDQMKLEDEPFLKGTVQAVIFHNESNLYSVLKVKVIETSENLEEKTASVTGYFSALHEEETYTFYGKVTSHPKFGEQFQAT   85
NTDB id 355 BSU 27480 NP 390625.1           MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGLQFQAE   85
consensus                                   !! !!!!*!!!*!!*!!!!!* !!*!!**!!!*!!!!!! !!!! *!*!  !!!!!!*!!*!!!!!!!!!!* *!!!!! !!!!

logo
NTDB id 356731 RI02 RS12105 WP 017367701.1  HFQKEVPTTKQGIIHYLSSDLFEGIGKKTAEEIVGKLGNQTLHQIMRDPSVLYDVPRLSKKKADKLAAALQEHQGLEQIMISLNQ  170
NTDB id 355 BSU 27480 NP 390625.1           HFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQGLEQIMISLNQ  170
consensus                                   !! !!*!!!! !!!*!!!!!!!!!!!!!!!!!! !!!   ** !* !*!!!!!!!!!!!!!!! !!*!!! !!!!!!!!!!!!!

logo
NTDB id 356731 RI02 RS12105 WP 017367701.1  YGFGPQLSMKIYQVYESETLQKIEENPYQLVKDVEGIGFIKADELGARTGISGNDPDRIRAALLYTVETASLQDGHTYIQTKDLI  255
NTDB id 355 BSU 27480 NP 390625.1           FGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETTCLSEGHTYIETEQLI  255
consensus                                   *!!!!!!!!!!!! !!!!!! !! !!!!!!!!!!!!!!! !!!!!! ! !*!!!*!*!**!!*!!!*!! *! *!!!!! !   !!

logo
NTDB id 356731 RI02 RS12105 WP 017367701.1  IETRKLLNQTGN.DYKVTEMDVANQIIALGEGKDMIIEDDRCYHPSLFYAEQSVAKRIQKIVSQTEYADQFPESEFLLALGELEE  339
NTDB id 355 BSU 27480 NP 390625.1           IDTQSLLNQSAREGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQTEYENQFPESEFLLALGELEE  340
consensus                                   !*!  !!!!** *  **!!!! !! !!!!!! !!**!!! !!!*!!!!!!!! !!!!* *! !!!!!  !!!!!!!!!!!!!!!!

logo
NTDB id 356731 RI02 RS12105 WP 017367701.1  RLGVQYAPTQKEAIQKALMSPMLLLTGGPGTGKTTVIKGIVELYSDLHGVSLDPSDYKKDEAFPFVLAAPTGRAAKRMTESTGLP  424
NTDB id 355 BSU 27480 NP 390625.1           RMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKDEAFPIVLAAPTGRAAKRMSESTGLP  425
consensus                                   !* !!!!!*!!!!!!!!! !!!!!!!!!!!!!!!!!!*!!!!!! *!!!!!!!! !!!!!!!! !!!!!!!!!!!!!*!!!!!!

logo
NTDB id 356731 RI02 RS12105 WP 017367701.1  AVTIHRLLGWNGSEGFSHDEDQPIEGKLVIIDESSMLDIWLANHLFKAIPDHIQVIMVGDEHQLPSVGPGQVLRDLLASQAIPAV  509
NTDB id 355 BSU 27480 NP 390625.1           AVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQIIIVGDEDQLPSVGPGQVLRDLLASQVIPTV  510
consensus                                   !!!!!!!!!!!! !!!*! !!!!!!!!!*!!!!! !!!!!!!!!!!!!!!!!!!!!*!*!!!!*!!!!!!!!!!!!!!!!!! !! !

logo
NTDB id 356731 RI02 RS12105 WP 017367701.1  TLTDIYRQADGSTIVELAHDMKNGVLPKDITARSKDRSFIQCSSSDQMKEVIEKVVSNAAQKGYSAKDIQVLAPMYKGKAGINELN  594
NTDB id 355 BSU 27480 NP 390625.1           RLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEVVEKVVANALKKGYTAKDIQVLAPMYRGKAGINELN  595
consensus                                   !!!!!!!!*!!*!!!!!! !!!!*!!  *!!**!!!!!! !   !*!!!*!!!! !!  !!!*!!!!!!!!!!!!*!!!!!!!!!
```

```
logo
NTDB id 356731 RI02 RS12105 WP 017367701.1  KMLQQILNPKKPKGREIPFGDVVYRTGDKVLQLVNQPENNIFNGDIGEIVSIFYAKENTEKEDMAVISFDGNEITFTKKDFHQFT   679
NTDB id 355 BSU 27480 NP 390625.1           VMLQDILNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGDIGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFT   680
consensus                                    !!! !!!!*!*! !!**!!!!!!!!!!!*!!!!!!!!!!*!!!!!!!! !!!!!!!!!!!!!!!!!*!!!!!!*!!!!!!!*!!!

logo
NTDB id 356731 RI02 RS12105 WP 017367701.1  HAYCCSIHKSQGSEFPIVVLPVVRSYYRMLRRNLLYTAITRSKKFLILCGEESALEWGVKNNEDSLRQTSLTMRLTETEEIMDAE   764
NTDB id 355 BSU 27480 NP 390625.1           HAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAITRAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLSVQVEEMDAE   765
consensus                                   !!!!!!!!!!!!!!!!!!!!!!!!* !!!!!!!!!!!!!!!!! !!!!!!!!!! !!!!!!!!!* **!!!!!  !!*   ! !!!!

logo
NTDB id 356731 RI02 RS12105 WP 017367701.1  LAALQKELPFSVHDANIGMEGITPFDFMQE...   794
NTDB id 355 BSU 27480 NP 390625.1           LEALQKELPFSVHDANIGMEGITPFDFMKEEQQ   798
consensus                                   ! !!!!!!!!!!!!!!!!!!!!!!!!!!! !***
```

X non conserved

X similar

X $\geq$ 50% conserved