```
logo
NTDB id 174163 B34 RS07480 WP 071583554.1  MQRHNPDQIEMEEASFVKGTVTAVIYHNETNLYTVLKVKVEETSESFEDKTVSVTGYFPLIHEDDIYTFYGKTASHPKFGLQFQA   85
NTDB id 355 BSU 27480 NP 390625.1          .MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGLQFQA   84
consensus                                  *  **!!!* *!! ***!!!!  !!!!!*!!!!!!!!!! !!!!  !!! !!!!!!!! **!** !!!!!!  *!!!!!!!!!!

logo
NTDB id 174163 B34 RS07480 WP 071583554.1  DHFKKEVPTTKEGVIQYLASDLFEGIGKKTAEEIVNKLGEGAINKILSDGAVLYDVPKLSKKKADKLAAALQQHQGLEQIMISLS  170
NTDB id 355 BSU 27480 NP 390625.1          EHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQGLEQIMISLN  169
consensus                                  *!!!!!*!!!!!!*!!!! !!!!!!!!!!!!!!!! !!!* !!!!!! !* !!!!!!*!!!!!!! !!*!!! !!!!!!!!!!!

logo
NTDB id 174163 B34 RS07480 WP 071583554.1  EFGFGPQLSMKIYQAYESETLDKIRENPYQLVKDVEGIGFIKADELGGRMGISGKHEERIKAAILYTVEATCLQEGHTYIETRQL  255
NTDB id 355 BSU 27480 NP 390625.1          QFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETTCLSEGHTYIETEQL  254
consensus                                   !!!!!!!!!!!!!!!! !!!*!! !!!!!!!!!!!!!!! !!!!!! !!!*!! !*!!*!!!!!!!*! !!! !!!!!!!! !!

logo
NTDB id 174163 B34 RS07480 WP 071583554.1  IIETQKLLNQSAGD.EKVTEMDVADAIISLGEQKELFIEDERCYYPSLYYAEQSFAKRVQKIAGQTEYDDQFPQSEFLLALGELE  339
NTDB id 355 BSU 27480 NP 390625.1          IIDTQSLLNQSAREGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQTEYENQFPESEFLLALGELE  339
consensus                                  !!*!! !!!!!! ** **!!!! ! !!! !!!*!** !!! !!!*!!!*!!!!  !!!! *!! !!!!* !!! !!!!!!!!!!!

logo
NTDB id 174163 B34 RS07480 WP 071583554.1  ERMKVQYAPSQKEAIQKALMSPMLLLTGGPGTGKTTVIRGIVELYSELHGLSLNPADYKKDETFPFVLAAPTGRAAKRMSESTGL  424
NTDB id 355 BSU 27480 NP 390625.1          ERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKDEAFPIVLAAPTGRAAKRMSESTGL  424
consensus                                  !!! !!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!! !!!!*!! !  !!!!! !! !!!!!!!!!!!!!!!!!!!!

logo
NTDB id 174163 B34 RS07480 WP 071583554.1  PAVTIHRLLGWNGAEGFTHDEDNPIEGRLLIIDETSMLDIWLANQLFKAIPDRIQYIMVGDEDQLPSVGPGQVLRDLLASNVIPS  509
NTDB id 355 BSU 27480 NP 390625.1          PAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQIIIVGDEDQLPSVGPGQVLRDLLASQVIPT  509
consensus                                  !!!!!!!!!!!!!!!!!!!! !!*!!!!*!!!!!! !!!!!!!!!*!!!!!!!*!!*!*!!!!!!!!!!!!!!!!!!!!!*!!!*

logo
NTDB id 174163 B34 RS07480 WP 071583554.1  VRLTDIYRQAEGSSIVELAHEMKQGKLPENLAAPTKDRSFIRCRQQQIKEVVEKVVKNALQKGYSARDIQVLAPMYRGAAGINEL  594
NTDB id 355 BSU 27480 NP 390625.1          VRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEVVEKVVANALKKGYTAKDIQVLAPMYRGKAGINEL  594
consensus                                  !!!!!!!!!!!!!!!!!!!! !!*! !! !! !!!!!!!!!!!   !!!!!!!!!!! !!! !!!*!*!!!!!!!!!!!! !!!!!!
```

```
logo
NTDB id 174163 B34 RS07480 WP 071583554.1  NALLQGILNPPKPKGREMKYGDVVYRTGDKVLQLVNQPEHNVFNGDMGEIVSIFYAKENTEKEDMAVVSFDGNEITFAKKDFNQF  679
NTDB id 355 BSU 27480 NP 390625.1          NVMLQDILNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGDIGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQF  679
consensus                                  !  *!! !!!!!!*! !!*!*!!!!!!!!!!*!!!!!!!!*!!!!!!*!!! !!!!!!!!!!!!!!!!!!!!!!!!*!! !!!!!!!

logo
NTDB id 174163 B34 RS07480 WP 071583554.1  THAYCCSIHKSQGSEFPIVILPVVKSYYRMLRRNLLYTAITRSKKFLILCGEEEALEWGVKNKESSERQTSLKRRLQQAAHEEDE  764
NTDB id 355 BSU 27480 NP 390625.1          THAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAITRAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLSVQVEEMDA  764
consensus                                  !!!!!!!!!!!!!!!!!!!*!!!!!! !!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!! * * !!!!!! !!    *! !

logo
NTDB id 174163 B34 RS07480 WP 071583554.1  ELMALQKELPFSVYDANIGMEGITPFDFMEKEAE  798
NTDB id 355 BSU 27480 NP 390625.1          ELEALQKELPFSVHDANIGMEGITPFDFMKEEQQ  798
consensus                                  !! !!!!!!!!!!*!!!!!!!!!!!!!!!!  !
```

X non conserved

X similar

X $\geq$50% conserved