logo



```
NTDB id 123517 BRLA RS06400 WP 003338324.1  ..MQQQALPLFRETYIRGQVKHEIFYNEENWYAIIRFKVEETTEPIKDKEVIVVGHFPRPHEDETYTFYGEWKDHPKYGKQYVAE   83
NTDB id 355 BSU 27480 NP 390625.1           MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGLQFQAE   85
consensus                                   ** **   !*!   !*!**! ! * !**!* ! ! *** !! !!*!*! !! ! ! !*!! **!*!!!!!!!     !!!*! !* !!
```

logo



```
NTDB id 123517 BRLA RS06400 WP 003338324.1  RYERETPKTKSGVEKYLASGLFSGIGKKLAKRIVEHLGVDALTIIAENPDDLAAIPGISPKRAKQIYESVLEHQSLERTMVFLYE  168
NTDB id 355 BSU 27480 NP 390625.1           HFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQGLEQIMISLNQ  170
consensus                                   ** *! ! !! !*  !! ! !! !!!!! !  !! *!!  !*  !  *  !  *! *!*!*!  *  *  !! !!  !* !
```

logo



```
NTDB id 123517 BRLA RS06400 WP 003338324.1  FGIGVHLALRIYQAYKHNTMTVLTETPYKLIEDVQGIGFKRADEIALSTGIAASSQERVMAACLYVLQEAGYSEGHVYFPHEELI  253
NTDB id 355 BSU 27480 NP 390625.1           FGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETTCLSEGHTYIETEQLI  255
consensus                                   !! !**! **!!!!! * !*  * ! !! !* !! !!!! *!!!**   !* * **!!! !!*!! !  * !!!! ! **! !!
```

logo



```
NTDB id 123517 BRLA RS06400 WP 003338324.1  ARAISLLTECGG..HVFEAEDVKGAIEQLVMDNKVHWEEERVYLPSLFFAEIGLAKRLHYFASR.ENPDSYPASEFYQAIGKVEE  335
NTDB id 355 BSU 27480 NP 390625.1           IDTQSLLNQSARFEGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQTEYENQFPESEFLLALGELEE  340
consensus                                      !!!  ** ***    !  !!  !     ** !* !*! !!!!*!! *!!!*** !! *! *  *! !!!  !*! *!!
```

logo



```
NTDB id 123517 BRLA RS06400 WP 003338324.1  ELGISYASKQREAVEKAMDSGLMLLTGGPGTGKTTVIRGICHVFANLQGISLDMKKYDTQDNPFPILLVAPTGRAAKRMSETTGL  420
NTDB id 355 BSU 27480 NP 390625.1           RMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYK.KDEAFPIVLAAPTGRAAKRMSESTGL  424
consensus                                    * * !!* !*!!* !!* !***!!!!!!!!!!!!!!!!!***** !*!*!!!*  ! * ! *!!!*! !!!!!!!!!!!!*!!!
```

logo



```
NTDB id 123517 BRLA RS06400 WP 003338324.1  PAMTIHRLLGWKG.ESFEHDQDNPVRGKMIIIDEMSMVDVWLANQLFRCLPKDINVVMVGDPDQLPSVGPGNVLFDMLESNVIPV  504
NTDB id 355 BSU 27480 NP 390625.1           PAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQIIVGDEDQLPSVGPGQVLRDLLASQVIPT  509
consensus                                   !!*!!!!!!!!! !*! ! !  !*!* !!**!!!! !!*!*!!!!*!!***! *!****!!!*!!!!!!!!!*!! !*! !*!!!
```

logo



```
NTDB id 123517 BRLA RS06400 WP 003338324.1  VQLTEIYRQAEESSIIRLAHDIRAGKVPQDLLAPTQDRRFFTTSPQNVVEVVKQICSSSVNKGYTAKDIQVLAPVYKGVAGVNHI  589
NTDB id 355 BSU 27480 NP 390625.1           VRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEVVEKVVANALKKGYTAKDIQVLAPMYRGKAGINEL  594
consensus                                   ! !!*!!!!!! !!!* !!! ** ! *!* ! !!! !! !  * * ** !!!  **   * !!!!!!!!!!!!!*!*! !!*!**
```

```
logo                                    

NTDB id 123517 BRLA RS06400 WP 003338324.1  NEELQLLFNPPSDQKREVTFGETVFRVKDKVLQLVNNADEQVFNGDMGEVVAIFRPTENEENEEQLVVSFEGREVVYRRSQYHQL  674
NTDB id 355 BSU 27480 NP 390625.1           NVMLQDILNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGDIGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQF  679
consensus                                   !  !! * !!! * *!!* !!* !*!  !!*!!!!!*** *!!!!!*!!*  !! * !! ! !*  !!!!*! !* * *  **!

logo                                    

NTDB id 123517 BRLA RS06400 WP 003338324.1  TLAYCCSVHKSQGSEFPIVILPLVRNYYRMLRRKLIYTGVTRSKSFLLMCGDPDAFRIAVQNDEEGIRYSYLQDRLRLYG.....  754
NTDB id 355 BSU 27480 NP 390625.1           THAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAITRAKKFLILCGEEEAALEWGVKNNDATVRQTSLKNRLSVQVEEMDA  764
consensus                                   !*!!!!!*!!!!!!!!!!!*!!*!* !!!!!!! !*!!**!! ! !!**!!***!   *! ! *  *! * !  !! *  *****

logo                                    

NTDB id 123517 BRLA RS06400 WP 003338324.1  ..................................  754
NTDB id 355 BSU 27480 NP 390625.1           ELEALQKELPFSVHDANIGMEGITPFDFMKEEQQ  798
consensus                                   **********************************

X non conserved
X similar
X ≥ 50% conserved
```