logo
NTDB id 984462 MKY80 RS15875 WP 089986664.1 MTDHLDLFELN.KFFILGRPIVSIFHNTQNMYSIIRVKIQETNLQYEDKEIIVVGYFPPLQMDEQYRFTGILKQHPKYGA 79
NTDB id 355 BSU 27480 NP 390625.1 MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGL 80
consensus

logo
NTDB id 984462 MKY80 RS15875 WP 089986664.1 QFQIETFTKEVPATEQGIIHYLSSDLFVGIGKKTAETIVEKLGANALRLILEDPSALDAVPRLSSEKKEVIHRTIEQNLG 159
NTDB id 355 BSU 27480 NP 390625.1 QFQAEHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQG 160
consensus

logo
NTDB id 984462 MKY80 RS15875 WP 089986664.1 LERVMIQLNEWGFGPQLGMKIYQTYRTEAIELLTENPYRLIEDVEGVGFLRADELGAKLGITGKHPDRVKAAIFHILNTA 239
NTDB id 355 BSU 27480 NP 390625.1 LEQIMISLNQFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETT 240
consensus

logo
NTDB id 984462 MKY80 RS15875 WP 089986664.1 ALSDGHVYLDAEHVLPLVKEMLEQSQRQEIP..FEDISKACIELREEGKICGEETRLYLPSLYFSEVGIASKILTLVERN 317
NTDB id 355 BSU 27480 NP 390625.1 CLSEGHTYIETEQLIIDTQSLLNQSARFGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQT 320
consensus

logo
NTDB id 984462 MKY80 RS15875 WP 089986664.1 SKAEHFSKDEIRKAIGETEELLQVTYAETQANAIEQALNSAVMILTGGPGTGKTTVRGVVEVYAKLHGLSLNPKEYAQK 397
NTDB id 355 BSU 27480 NP 390625.1 EYENQFPESEFLLALGELEERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYK.K 399
consensus

logo
NTDB id 984462 MKY80 RS15875 WP 089986664.1 EEPFPIILCAPTGRAAKRLAESTELPAMTIHRLLGFTGQEKEEET.EREVTGKLIIVDEMSMVDTWLAHQLLKALHEDVQ 476
NTDB id 355 BSU 27480 NP 390625.1 DEAFPIVLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQ 479
consensus

logo
NTDB id 984462 MKY80 RS15875 WP 089986664.1 VVFVGDQDQLPPVGPGQVLKDLLASKQLPTVELTDVYRQAEGSTIIELAHQIKKGTIPKDLTSKTTDRSFIKSSVNQVGN 556
NTDB id 355 BSU 27480 NP 390625.1 IIIVGDEDQLPSVGPGQVLRDLLASQVIPTVRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKE 559
consensus

```
NTDB id 984462 MKY80 RS15875 WP 089986664.1  VVTQVVKSAVAKGQEIRNIQVLAPMYKGPAGIDNLNKMIQELINPNDTGTRKELVFGDVTYRIKDKVLQLVNQPESNVFN  636
NTDB id 355 BSU 27480 NP 390625.1            VVEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNVMLQDILNPPKE.KRRELKFGDVVYRTGDKILQLVNQPENNVFN  638
consensus                                    !!  !!  !* !!  * !!!!!!!!*!*!!!  !! !*!***!!*  * !*!! !!!! !!  !!*!!!!!!!! !!!!
```

```
NTDB id 984462 MKY80 RS15875 WP 089986664.1  GDMGEVISIIKAKETVEKQDLLIVSFDGIEVTYQRSDLNQLTLAYCCSIHKSQGSEFQTVIMPVVKGYSKMLRRNLLYTG  716
NTDB id 355 BSU 27480 NP 390625.1            GDIGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTA  718
consensus                                    !!*!!* !!  !!!  !! !* *!!!!! !*!* * ! !! !*!!!!!!!!!!!!!!!* !**!!!!!! *!!!!!!!!!*
```

```
NTDB id 984462 MKY80 RS15875 WP 089986664.1  ITRAKNFLILCGEPDVLAEGLQRTDDLQRFTSLRARLNPMDVEEVIVEVEAVLVKQEIVQEAAIEDHKLTVETAPYIHPM  796
NTDB id 355 BSU 27480 NP 390625.1            ITRAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLSVQ.VEEMDAELEALQK...........EL.....PFSVHDAN  781
consensus                                    !!!!! !!!!!!!** !  !*   !   ! !!!* !! * *!!!*  !*!!*  ******************** * ***
```

```
NTDB id 984462 MKY80 RS15875 WP 089986664.1  IGMDDVSPYDFLEK...   810
NTDB id 355 BSU 27480 NP 390625.1            IGMEGITPFDFMKEEQQ   798
consensus                                    !!!* **!*!!*  ***
```

X non conserved
X similar
X ≥ 50% conserved