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logo

NTDB id 1057728 VWC80 RS06425 WP 087875057.1  MIENWPEKPEGSQWTDDQWKAVVANGRDILVAAAAGSGKTAVLVERIIKKIINEENPVDVDRLLVVTFTNAAAQEMKNRI   80
NTDB id 119 BSU 10630 NP 388944.2             ...MNIPKPADSTWTDDQWNAIVSTGQDILVAAAAGSGKTAVLVERMIRKITAEENPIDVDRLLVVTFTNASAAEMKHRI   77
consensus                                     ***  **!!  ! !!!!!! !*!  ! !!!!!!!!!!!!!!!!!!!*!*!!  !!!!*!!!!!!!!!!!!!! ! !!!*!!

logo

NTDB id 1057728 VWC80 RS06425 WP 087875057.1  GEALEKVLIDEPGSQHVRKQLSLLNKASISTIHSFCLQVIRGYYYMLDVDPRFRIANQTENELLKEEVLDDILEEEYGIE  160
NTDB id 119 BSU 10630 NP 388944.2             AEALEKELVQRPGSLHIRRQLSLLNRASISTLHSFCLQVLKKYYYLIDLDPGFRIADQTEGELIGDEVLDELFEDEYAKG  157
consensus                                     *!!!!! !*  !!! !*!*!!!!!!*!!!!!*!!!!!!!** !!!**!*!! !!!! !!! !!* *!!!!** !*!!*

logo

NTDB id 1057728 VWC80 RS06425 WP 087875057.1  DNTIFFELVDRYTSDRSDDDLQRMILALHTESRAHPNPEKWLDKLVEAYDVEGK.TIEDLVYASYLLEDVKFQLETAEQH  239
NTDB id 119 BSU 10630 NP 388944.2             .EKAFFELVDRYTTDRHDLDLQFLVKQVYEYSRSHPNPEAWLESFVHLYDVSEKSAIEELPFYQYVKEDIAMVLNGAKEK  236
consensus                                     *   !!!!!!!!!*!!*! !!! **  **  !! !!!!! !!*  !* !!!  !* !!*!**  !* !!*   !  !   *

logo

NTDB id 1057728 VWC80 RS06425 WP 087875057.1  IRKATELATLPDGPAPRIETLQADLALLGTLSSAAHESWTSLYEAMQNVSWQTLKRIKKSDYNEDVVKQVDSLRNKAKDE  319
NTDB id 119 BSU 10630 NP 388944.2             LLRALELTKAPGGPAPRADNFLDDLAQIDELIQ.HQDDFSELYKRVPAVSFKRAKAVKGDEFDPALLDEATDLRNGAKKL  315
consensus                                     * *! !!   ! !!!!! *    !!! *  !  **** ** !!  ** !!*   ! *!  ** * **     !!! !!

logo

NTDB id 1057728 VWC80 RS06425 WP 087875057.1  VKKLQEELFSRKPESFLRDFQDMHPVLEKLVQLVKVFTERFQAMKRDKGMVDFTDLEHFCLQILSEQSENGEMNPSAVAL  399
NTDB id 119 BSU 10630 NP 388944.2             LEKLKTDYFTRSPEQHLKSLAEMKPVIETLVQLVISYGKRFEAAKQEKSIIDFSDLEHYCLAILTAENDKGEREPSEAAR  395
consensus                                     * !!  * !*! !! *!*   *!*!!*! !!!!!  *  !! ! ! *! **!!*!!!!*!! !!*   * !!  !!  !

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NTDB id 1057728 VWC80 RS06425 WP 087875057.1  QYRNKFAEVLVDEYQDTNFVQESIIKFVTKDSESEGNLFMVGDVKQSIYRFRLAEPGLFLGKYKRFTQEGLGGGMKIDLA  479
NTDB id 119 BSU 10630 NP 388944.2             FYQEQFHEVLVDEYQDTNLVQESILQLVTSGPEETGNLFMVGDVKQSIYRFRLAEPLLFLSKYKRFTESGEGTGRKIDLN  475
consensus                                      !   !*!!!!!!!!!!! !!!!!*  !!  *!  !!!!!!!!!!!!!!!!!!!!! !!! !!!!!!  ! ! ! !!!!

logo

NTDB id 1057728 VWC80 RS06425 WP 087875057.1  KNFRSRHEVLDSTNFLFKQLMGGKYGEYDYDEQAELKLGATYPENEEVETELLLIQQTEETVIDSEEGEEVETVQLEARL  559
NTDB id 119 BSU 10630 NP 388944.2             KNFRSRADILDSTNFLFKQLMGGKIGEVDYDEQAELKLGAAYPDNDETETELLLIDNAEDT.DASEEAEELETVQFEAKA  554
consensus                                     !!!!!!***!  !!!*!!!*!!  *!!*!!!  !!!!!!! !!* **   !!!*! * !* *   !!* !*!  ! !!*
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logo
NTDB id 1057728 VWC80 RS06425 WP 087875057.1  MAQRIKAMVDSGYEVYDRKNDSMRPVQYRDFVILLRSMPWAPQIMEELKLQGIPVYADLATGYFEATEVTIMMNVFRVID   639
NTDB id 119 BSU 10630 NP 388944.2             IAKEIRKLISSPFKVYDGKKKTHRNIQYRDIVILLRSMPWAPQIMEELRAQGIPVYANLTSGYFEAVEVAVALSVLKVID   634
consensus                                     *!  !* ** !** !!! !  **!**!!!! !!!!!!!!!!!!!!!!* !!!!!!! ! *!!!!! !! * * ! *!!!

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NTDB id 1057728 VWC80 RS06425 WP 087875057.1  NPMQDIPLAAVLRSPIVGLSDEELATLRAHGKKGSFYEVMSSFLKGAPLEEEQELHDKLEWFYNLLQGWREFARQQSLSD   719
NTDB id 119 BSU 10630 NP 388944.2             NPYQDIPLASVLRSPIVGADENELSLIRLENKKAPYYEAMKDYLAAGD..RSDELYQKLNTFYGHLQKWRAFSKNHSVSE   712
consensus                                     !! !!!!!! !!!!!!!!  * !!  *! * !!***!! !  *! *****   !!* !!  !! *!! !! ! ***!*!*

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NTDB id 1057728 VWC80 RS06425 WP 087875057.1  LIWKVYGETGYYDFVGGLPAGKQRQANLRVLYDRARQYEATSFRGLFRFLRFIERILERGDDMGTARALGEQEDVVRIMT   799
NTDB id 119 BSU 10630 NP 388944.2             LIWEVYRDTKYMDYVGGMPGGKQRQANLRVLYDRARQYESTAFRGLFRFLRFIERMQERGDDLGTARALSEQEDVVRLMT   792
consensus                                     !!! !! *! ! !*!!!*!*!!!!!!!!!!!!!!!!!! ! !!!!!!!!!!!!!* !!!!!*!!!!!! !!!!!!!*!!

logo
NTDB id 1057728 VWC80 RS06425 WP 087875057.1  IHKSKGLEFPVVFVAGLGRRFNTQDLMKRFLLHKDFGFGSQFIDPRKRIKYTTLSQLAIKRKMKMELIAEEMRVLYVALT   879
NTDB id 119 BSU 10630 NP 388944.2             IHSSKGLEFPVVFVAGLGRNFNMMDLNKSYLLDKELGFGTKYIHPQLRISYPTLPLIAMKKKMRRELLSEELRVLYVALT   872
consensus                                     !! !!!!!!!!!!!!!!!! !!   !! ! *!!*!* !!!* *!*!  !! !*!!* *!*!*!!* !!* !!*!!!!!!!!

logo
NTDB id 1057728 VWC80 RS06425 WP 087875057.1  RAKEKLILIGTVKDANKEMEKWLDAREHSEWLLPDHIRAGASCYLDWIAPSLYRHRDSEMLLELGQGSIPDEIYGYDTSW   959
NTDB id 119 BSU 10630 NP 388944.2             RAKEKLFLIGSCKDHQKQLAKWQASASQTDWLLPEFDRYQARTYLDFIGPALARHRDLGDLAGVP...AHADISGHPARF   949
consensus                                     !!!!!! !!!**!!**! * !!     ***!!!!** !  ! *!!!*!*! ! !!!!   !  *****   *! !**  *

logo
NTDB id 1057728 VWC80 RS06425 WP 087875057.1  KVEVVDGNTLLAPE..PVQEEKQELLEALREKKAVPLESERKDEVYDRLMWKYGYEEATSHRAKQSVTEIKRNYQSEDGS  1037
NTDB id 119 BSU 10630 NP 388944.2             AVQMIHSYDLLDDDLEERMEEKSERLEAIRRGEPVPGSFAFDEKAREQLSWTYPHQEVTQIRTKQSVSEIKRKREYEDEY  1029
consensus                                      ! ***   !! *****  !!! ! !!!*!   *!!      *   * ! ! !** ! ! *! !!!!*!!!!    !!

logo
NTDB id 1057728 VWC80 RS06425 WP 087875057.1  D..NAFIKKLRAPIKTRPRFMEKKGLTYAERGTAVHAVMQHVDLKKPITVEVLQEQIAGMVNKELLTFEQAEEIAIEKVI  1115
NTDB id 119 BSU 10630 NP 388944.2             SGRAPVKPADGSILYRRPAFMMKKGLTAAEKGTAMHTVMQHIPLSHVPSIEEAEQTVHRLYEKELLTEEQKDAIDIEEIV  1109
consensus                                      ** *  *    **  !! !! !!!!! !!*!!!*! !!!!**! *****!     ** *  !!!!! !! * ! !! **
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logo

NTDB id 1057728 VWC80 RS06425 WP 087875057.1  SFFDSDLGKRVLAAKSVEREVPFTMMLAAEEAYQDWQGNSGESILVQGVIDCMIEEEDGITLIDFKTDTIEGKFPGGFEQ  1195
NTDB id 119 BSU 10630 NP 388944.2             QFFHTEIGGQLIGAKWKDREIPFSLALPAKEIYPDAH.EADEPLLVQGIIDCLYETEDGLYLLDYKSDRIEGKFQHGFEG  1188
consensus                                      !!****!  ***!!  *!!*!!** !*! ! !*! **   !**!!!!*!!!* ! !!!* !*!*!*! !!!!!**!!!

logo

NTDB id 1057728 VWC80 RS06425 WP 087875057.1  AKPILEDRYKVQLSLYAKALEKSLQHPVKEKCLYFFDGNHVVNIEE  1241
NTDB id 119 BSU 10630 NP 388944.2             AAPILKKRYETQIQLYTKAVEQIAKTKVKGCALYFFDGGHILTL..  1232
consensus                                     ! !!!  !!  !* !! !!*!    **!! **!!!!!! !** ***
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X non conserved

X similar

X $\geq$ 50% conserved