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logo

NTDB id 255371 CUC43 RS15545 WP 029437815.1  MIENWPKKPEGSQWTDDQWKAVVANGRDILVAAAAGSGKTAVLVERIIKKIINEEENPVDVDRLLVVTFTNAAAQEMKNRI   80
NTDB id 119 BSU 10630 NP 388944.2            ...MNIPKPADSTWTDDQWNAIVSTGQDILVAAAAGSGKTAVLVERMIRKITAEENPIDVDRLLVVTFTNASAAEMKHRI   77
consensus                                    ***  **!!  ! !!!!!! !*!  ! !!!!!!!!!!!!!!!!!!!*!*!!  !!!!*!!!!!!!!!!!!!! ! !!!*!!

logo

NTDB id 255371 CUC43 RS15545 WP 029437815.1  GEALEKVLIDEPGSQHIRKQLSLLNKASISTIHSFCLQVIRGYYYMLDVDPRFRIANQTENELLKEEVLDDILEEEYGIE  160
NTDB id 119 BSU 10630 NP 388944.2            AEALEKELVQRPGSLHIRRQLSLLNRASISTLHSFCLQVLKKYYYLIDLDPGFRIADQTEGELIGDEVLDELFEDEYAKG  157
consensus                                    *!!!!! !*  !!! !!!*!!!!!!*!!!!!*!!!!!!!** !!!**!*!! !!!! !!! !!* *!!!!** !*!!*

logo

NTDB id 255371 CUC43 RS15545 WP 029437815.1  DNTIFFELVDRYTSDRSDDDLQRMILALHTESRAHPNPEKWLDKLVEAYDVEGK.TIEDLVYASYLLEDVKFQLETAEQH  239
NTDB id 119 BSU 10630 NP 388944.2            .EKAFFELVDRYTTDRHDLDLQFLVKQVYEYSRSHPNPEAWLESFVHLYDVSEKSAIEELPFYQYWKEDIAMVLNGAKEK  236
consensus                                    *   !!!!!!!!!*!!*! !!! **  **  !! !!!!! !!*  !* !!!  !* !!*!**  !* !!*   !  !   *

logo

NTDB id 255371 CUC43 RS15545 WP 029437815.1  IRKATELAMLPDGPAPRVETLQADLVLLGTLSSAARESWTSVYEAMQNVSWQTLKRIKKSDYNEDVVKQVDSLRNKAKDE  319
NTDB id 119 BSU 10630 NP 388944.2            LLRALELTKAPGGPAPRADNFLDDLAQIDELIQ.HQDDFSELYKRVPAVSFKRAKAVKGDEFDPALLDEATDLRNGAKKL  315
consensus                                    * *! !!   ! !!!!! *    !!  *  !  ** * ** *!  ** !!*   ! *!  ** * **     !!! !!

logo

NTDB id 255371 CUC43 RS15545 WP 029437815.1  VKKLQEELFSRKPESFLRDFQDMHPVLEKLVQLVKVFTERFQTMKRDKGMVDFTDLEHFCLQILSEQSEDGEMKPSAVAL  399
NTDB id 119 BSU 10630 NP 388944.2            LEKLKTDYFTRSPEQHLKSLAEMKPVIETLVQLVISYGKRFEAAKQEKSIIDFSDLEHYCLAILTAENDKGEREPSEAAR  395
consensus                                    * !!  * !*! !! *!*   *!*!!*! !!!!!  *  !!   ! *! **!!*!!!!*!! !!*   * !!  !!  !

logo

NTDB id 255371 CUC43 RS15545 WP 029437815.1  QYRNKFAEVLVDEYQDTNFVQESIIKFVTKDSESEGNLFMVGDVKQSIYRFRLAEPGLFLGKYKRFTQEGLGGGMKIDLA  479
NTDB id 119 BSU 10630 NP 388944.2            FYQEQFHEVLVDEYQDTNLVQESILQLVTSGPEETGNLFMVGDVKQSIYRFRLAEPLLFLSKYKRFTESGEGTGRKIDLN  475
consensus                                     !   !*!!!!!!!!!!! !!!!!*  !!  *!  !!!!!!!!!!!!!!!!!!!!! !!! !!!!!!  ! ! ! !!!!

logo

NTDB id 255371 CUC43 RS15545 WP 029437815.1  KNFRSRHEVLDSTNFLFKQLMGEEVGEIDYDADAELKLGATYPDGEDVAAELLCIQQTEEEVIDGEEGAEVEKAQLEARL  559
NTDB id 119 BSU 10630 NP 388944.2            KNFRSRADILDSTNFLFKQLMGGKIGEVDYDEQAELKLGAAYPDNDETETELLLIDNAEDT.DASEEAEELETVQFEAKA  554
consensus                                    !!!!!!***!  !!!*!!!*!!  *!!*!!!  !!!!!!! !!! **   !!!*! * !* *   !!* !*!  ! !!*
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logo
NTDB id 255371 CUC43 RS15545 WP 029437815.1  MAQRIKVMVDSGYEVYDRKTDSMRPVQYRDFVILLRSMPWAPQIMEELKLQGIPVYADLATGYFEATEVNIMMNVFRVID   639
NTDB id 119 BSU 10630 NP 388944.2            IAKEIRKLISSPFKVYDGKKKTHRNIQYRDIVILLRSMPWAPQIMEELRAQGIPVYANLTSGYFEAVEVAVALSVLKVID   634
consensus                                    *!  !* ** !** !!! !  **!**!!!! !!!!!!!!!!!!!!!!* !!!!!!! ! *!!!!! !! * * ! *!!!

logo
NTDB id 255371 CUC43 RS15545 WP 029437815.1  NPMQDIPLAAVLRSPIVGLNDEELATLRAHGKKGSFYEVMSLFLKGAPLEEEKELHDKLEWFYNLLQGWREFARQQSLSD   719
NTDB id 119 BSU 10630 NP 388944.2            NPYQDIPLASVLRSPIVGADENELSLIRLENKKAPYYEAMKDYLAAGD..RSDELYQKLNTFYGHLQKWRAFSKNHSVSE   712
consensus                                    !! !!!!!! !!!!!!!!  * !!  *! * !!***!! !  *! *****   !!* !!  !! *!! !! ! ***!*!*

logo
NTDB id 255371 CUC43 RS15545 WP 029437815.1  LIWKVYGETGYYDFVGGLPAGKQRQANLRVLYDRARQYEATSFRGLFRFLRFIERILERGDDMGTARALGEQEDVVRIMT   799
NTDB id 119 BSU 10630 NP 388944.2            LIWEVYRDTKYMDYVGGMPGGKQRQANLRVLYDRARQYESTAFRGLFRFLRFIERMQERGDDLGTARALSEQEDVVRLMT   792
consensus                                    !!! !! *! ! !*!!!*!*!!!!!!!!!!!!!!!!!! ! !!!!!!!!!!!!!* !!!!!*!!!!!! !!!!!!!*!!

logo
NTDB id 255371 CUC43 RS15545 WP 029437815.1  IHKSKGLEFPVVFVAGLGRRFNTQDLMKRFLLHKDFGFGSQFIDPRKRIKYTTLSQLAIKRKMKMELIAEEMRVLYVALT   879
NTDB id 119 BSU 10630 NP 388944.2            IHSSKGLEFPVVFVAGLGRNFNMMDLNKSYLLDKELGFGTKYIHPQLRISYPTLPLIAMKKKMRRELLSEELRVLYVALT   872
consensus                                    !! !!!!!!!!!!!!!!! !!  !! ! *!!*!* !!!* *!*!  !! !*!!* *!*!*!!* !!* !!*!!!!!!!!

logo
NTDB id 255371 CUC43 RS15545 WP 029437815.1  RAKEKLILIGTVKDANKEMEKWLDAREHSEWLLPDHIRAGASCYLDWIAPSLYRHRDSEIHLELGQGSIPDEIYGYSASW   959
NTDB id 119 BSU 10630 NP 388944.2            RAKEKLFLIGSCKDHQKQLAKWQASASQTDWLLPEFDRYQARTYLDFIGPALARHRDLGDLAG...VPAHADISGHPARF   949
consensus                                    !!!!!! !!!**!!**! * !!      ***!!!!** !  ! *!!!*!*! ! !!!!   *  *** *   *! !**! *

logo
NTDB id 255371 CUC43 RS15545 WP 029437815.1  KVEVVDGNTLLAPE..PVQEEKQELLEALREKKAVPLQSERKEEVYDRLMWKYGYEEATAHRAKQSVTEIKRNYQSEEG.   1036
NTDB id 119 BSU 10630 NP 388944.2            AVQMIHSYDLLDDDLEERMEEKSERLEAIRRGEPVPGSFAFDEKAREQLSWTYPHQEVTQIRTKQSVSEIKRKREYEDEY   1029
consensus                                     ! ***   !! *****  !!! ! !!!*!   *!!       !   * ! ! !** ! ! *! !!!!*!!!!    !* *

logo
NTDB id 255371 CUC43 RS15545 WP 029437815.1  .SDNAFIKKLRAPIRTRPRFMEKKGLTYAERGTAVHAVMQHVDLKKPITVEVLQEQIAGMVNKELLTFEQAEEIAIEKVI   1115
NTDB id 119 BSU 10630 NP 388944.2            SGRAPVKPADGSILYRRPAFMMKKGLTAAEKGTAMHTVMQHIPLSHVPSIEEAEQTVHRLYEKELLTEEQKDAIDIEEIV   1109
consensus                                    *   *  *    **  !! !! !!!!! !!*!!!*! !!!!**! *****!     ** *  !!!!! !! * ! !! **
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logo
NTDB id 255371 CUC43 RS15545 WP 029437815.1  SFFDSDLGKRVLAAKSVEREVPFTMMLAAEEAYQDWQGKSEETILVQGVIDCMIEEEDGITLIDFKTDTIEGKFPGGFEQ  1195
NTDB id 119 BSU 10630 NP 388944.2            QFFHTEIGGQLIGAKWKDREIPFSLALPAKEIYPDAHE.ADEPLLVQGIIDCLYETEDGLYLLDYKSDRIEGKFQHGFEG  1188
consensus                                     !!****!  ***!!  *!!*!!** !*! ! !*! * * *!**!!!!*!!!* ! !!!* !*!*!*! !!!!!**!!!
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logo
NTDB id 255371 CUC43 RS15545 WP 029437815.1  AKPILEERYKVQLSLYAKALEKSLQHPVKEKCLYFFDGNHVVKIEE  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