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logo
NTDB id 63456 BTOYO RS18970 WP 000058647.1  MSLRLVIGRAGSGKSTLCLREVQEELKQRPRGKTILYLVPEQMTFQTQQALIESEDVRGSIRAQVFSFSRLAWKVLQEVGGASRL   85
NTDB id 120 BSU 10620 NP 388943.2           MGAEFLVGRSGSGKTKLIINSIQDELRRAPFGKPIIFLVPDQMTFLMEYELAKTPDMGGMIRAQVFSFSRLAWRVLQHTGGMSRP   85
consensus                                   !    **!! !!!!* !**  *!*!!*  ! !!*!**!!!*!!!!     !  **!* ! !!!!!!!!!!!!!*!!!* !! !!*

logo
NTDB id 63456 BTOYO RS18970 WP 000058647.1  HIDEAGVHMLLRKIVESRKDGLSVFQKAAEQNGFFEHLGSMIAEFKRYNVTPSNVYEMWQQLDAHSSAEQKLLANKVYDLQLLY  170
NTDB id 120 BSU 10620 NP 388943.2           FLTSTGVQMLLRKLIEEHKQEFKVYQKASDKSGFTAQVERMLTEFKRYCLEPEDIRRMAESGTA.SEYRGERVLSEKLHDLSILY  169
consensus                                   **   !!*!!!!!**! *!    !*!!! *  !!  **  !* !!!!!** !  *  !     !*!     **!  !**!! *!!

logo
NTDB id 63456 BTOYO RS18970 WP 000058647.1  DDFERALIGKYLDSEDYLQLLVEKLPQSEYVNGAEIYIDGFHSFSPQELEIVRQLMICGARVTITLTIDEKTLAQPVNELDLFYE  255
NTDB id 120 BSU 10620 NP 388943.2           QQMEKSLADQYLHSEDYLTLLAEHIPLAEDIKGAHIYVDGFYQFTPQEFRVLEQLMVHAEHITFSLTADKPSYEREPHELELFRM  254
consensus                                      !* !   !!*!!!!! !! !**!  ! * !!*!!*!!!* !*!!!  ** !!!* * **! *!! ! **   ***!!*!!

logo
NTDB id 63456 BTOYO RS18970 WP 000058647.1  TTLTYEKIKQVAREEKIEIEKTIPLMEQPRFHSPALAHLETHYEARPNEKYYDEA.SVTISTAANLRAEVEGVAREIRRLVADET  339
NTDB id 120 BSU 10620 NP 388943.2           TGKTYYRLHQKAKELNLDITYKELSGTERHTKTPELAHLEAQYEARPAIPYAEKQEALTVMQAANRRAELEGIAREIHALVREKG  339
consensus                                   !  !! ***! !*!  **!    *    ** **! !!!!! *!!!!!  *! *  * *!*  !!! !!!*!!*!!!!* !! *

logo
NTDB id 63456 BTOYO RS18970 WP 000058647.1  YRYRDIAVLLRNGESYYDVMRTLFTDYNIPHFIDEKRPMSHHPLVECIRSALEIISGNWRYDAVFRCVKTELLYPLNVRKEMMRE  424
NTDB id 120 BSU 10620 NP 388943.2           YRYKDVAILARQPEDYKDMVKEVFADYEIPYFIDGKASMLNHPLIEFIRSSLDVLKGNWRYEAVFRCVKTELLFPLNEPKAKVRE  424
consensus                                   !!!*!*!*! !**! ! !*** *! !! !!*!!! ! *! *!!!*!*!!! !*** !!!!!*!!!!!!!!!!!*!!! *!  *!!

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NTDB id 63456 BTOYO RS18970 WP 000058647.1  EMDEFENYCLAYGVQGKRWTSEDPWMYRRYRSLDDTNGMITDIEREMEEKINRLRDVVRTPVIRMQKRLKRAGTVMQMCEAVYLF  509
NTDB id 120 BSU 10620 NP 388943.2           QVDQLENYCIAYGIKGDRWTKGDRFQYRRFVSLDDDFA.QTDQEIEMENMLNDTRDWIVPPLFQLQKRMKKAKTVQEKAEALYRY  508
consensus                                    *!  !!!!*!!!* ! !!!  !** !!!* !!!!  ** !! ! !!!  *!  !! * *!*  *!!!*!*! !!   *!!*! *

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NTDB id 63456 BTOYO RS18970 WP 000058647.1  LEELDVPKKLEELRIRAEESGDFLFATDHEQVWEEVMSLLDTFVEMLGEEKMSLSMFTDVMSTGLEALQFANIPPSLDQVLVANI  594
NTDB id 120 BSU 10620 NP 388943.2           LEETDVPLKLDQERQRAEDDGRIIEAQQHQQAWDAVIQLLEEFVEMMGDDEISLDLFQQMIEAGAESLTFSLIPPALDQVFVGNM  593
consensus                                   !!! !!! !!*  ! !!!* !  * !  ! ! !* !* !!* !!!!*!** *!! *!  **  ! ! ! !  !!! !!!! !*!*
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logo
NTDB id 63456 BTOYO RS18970 WP 000058647.1  DHSRLSDVKATFIIGVNEGVIPAAPMDEGMLSDEEREVLGAAGIELAPTTRQTLLEEQFVMYQMVTRASEKLYISCPLADEEGKT   679
NTDB id 120 BSU 10620 NP 388943.2           DLSRMYGTSCTFVLGANDGVLPARPDENGVLSDDDREWLKTIGVELSSGGRERLLDEHFLIYMAFSSPSDRLYVSYPIADAEGKT   678
consensus                                   !*!!*    *!!**! !*!!*!! ! * !*!!!**!! !   !*!! *  !  !!*!*!**!   * *!**!!*!*!*!! !!!!

logo
NTDB id 63456 BTOYO RS18970 WP 000058647.1  LLASSFIKKIKRMFPNVKDSFITNDVNDLSRSEQISYVATPEVTLSYVMQQLQTWKRYGFEGNLDFWWDVYNFYVTSDEWKQKSS   764
NTDB id 120 BSU 10620 NP 388943.2           LLPSMIVKRLEELFPHHKERLLTNEPEQVSDEEQLMYVVNKSVAQSFTASQLRLWTREY..DISDVWWSTYNVLMSEQD.RLQSK   760
consensus                                   !!*!  *!**  *!!**!*  *!!**  *!  !!* !!  * !  !*   !!  ! !  **   ! !!  !!  **  ***  !

logo
NTDB id 63456 BTOYO RS18970 WP 000058647.1  RVLSSLFYRNRAQKLSTVVSRDLYGDKIKGSVSRMELFNRCAYAHFAQHGLSLRERDIFKLDAPDIGELFHAALKRIADRLLREN   849
NTDB id 120 BSU 10620 NP 388943.2           KLFSSLFFRNEVKQLERSVSRQLYGERIQGSVSRMETFNACPFSHFASHGLHLKERQFFKLEAPDIGQLFHSSLKLISDRLREQK   845
consensus                                   ** !!!!*!!    !   !!! !!!**! !!!!!!! !! !** !!! !!!*!*!!  !!!*!!!!! !!!  !! ! !!!

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NTDB id 63456 BTOYO RS18970 WP 000058647.1  RTWADLSIKECEHLSVLVIEEIAPLLQRQILLSSNRHFYLKQKLQQIIFRTSIILREHAKSSGFVPVDLEVPFGMGGTGSLPPME   934
NTDB id 120 BSU 10620 NP 388943.2           LDWRDLTKEQCELFSYDAVERLAPKLQKEILLSSNRHYYVKEKLQKIVTRVSGILSEHAKASGFVPIGLEL..GFGGKGPLPPLT   928
consensus                                     ! !!*   !!* !   *! *!! !!* !!!!!!!!*!*! !!! !* ! ! !! !!!! !!!!!* !!***! !! !*!!!*

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NTDB id 63456 BTOYO RS18970 WP 000058647.1  FSLPNGVKMEVIGRIDRVDKAEDENGTFLRIIDYKSSSKALDLTEVYYGLALQMLTYLDVVTTNAQTWMKKGHAASPAGVLYFHI  1019
NTDB id 120 BSU 10620 NP 388943.2           FQLKNGCTMELVGRIDRVDKAESSKGLLLRIVDYKSSDKGLDLAEVYYGLALQMLTYLDLSITHSADWL..GMRATPAGVLYFHI  1011
consensus                                   ! !*!!* !!**!!!!!!!!!!   !  !!!*!!!!! !*!!! !!!!!!!!!!!!!!!*  !*   !***!* !*!!!!!!!!!

logo
NTDB id 63456 BTOYO RS18970 WP 000058647.1  HNPIVEMKGDASEAEIEKEILKKFKMKGLVLGDADVVRLMDNKLSTGSSDIISAGLKKDGSFSARSSIASEQEFNVLQKYVHHTF  1104
NTDB id 120 BSU 10620 NP 388943.2           HDPMIQSNLPLGLDEIEQEIFKKFKMKGLLLGDQEVVRLMDTTLQEGRSNIINAGLKKDGSLRSDSAAVGEKEFDLLTKHVRRTF  1096
consensus                                   ! !**    *    !!! !! !!!!!!!!*!!! *!!!!!! !  ! ! !! !!!!!!!!   !    ! !! *! !*!**!!

logo
NTDB id 63456 BTOYO RS18970 WP 000058647.1  EHIGKDITEGVIDIAPYKKGNKAACTFCNFKSVCQFDESLEDNQFRTLKDMKDSEAMEKIREEVDGE...  1171
NTDB id 120 BSU 10620 NP 388943.2           QEAGEQITDGRVSIEPYKMKNKTPCTYCAFKSVCQFDESLEENEYRPLKAEKDKTILEWIKKEADGNEHS  1166
consensus                                    * !  !!*! * ! !!!  !! *!!*! !!!!!!!!!!!!*! *!*!!  !!   *! !* ! !! ***
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X non conserved
X similar
X $\geq$ 50% conserved