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logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  MSLRFVIGRAGSGKSTLCLHEVQEELKQRPRGETILYLVPEQMTFQTQQALIGSEDVRGSIRAQVFSFSRLAWKVLQEVG   80
NTDB id 120 BSU 10620 NP 388943.2            MGAEFLVGRSGSGKTKLIINSIQDELRRAPFGKPIIFLVPDQMTFLMEYELAKTPDMGGMIRAQVFSFSRLAWRVLQHTG   80
consensus                                    !   !**!! !!!!* !*** *!*!!*  ! ! *!**!!!*!!!!     !  **!* ! !!!!!!!!!!!!!*!!!* !

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  GASRLHIDEAGVHMLLRKIVESRKDGLSVRQKAAEQNGFFEHLGGMIAEFKRYNVTPSNVYEMWQQLDTHSSSAEQKLLA  160
NTDB id 120 BSU 10620 NP 388943.2            GMSRPFLTSTGVQMLLRKLIEEHKQEFKVYQKASDKSGFTAQVERMLTEFKRYCLEPEDIRRMAES.GTASEYRGERVLS  159
consensus                                    ! !!***   !!*!!!!!**! *!    !*!!! *  !!  **  !* !!!!!** !  *  !   * !*!     **!

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  NKVYDLQLLYDDFERALIGKYLDSEDYLQLLVEKLPQSEYVKGAEIYIDGFHSFSPQELEIVRQLMVCGARVTITLTIDE  240
NTDB id 120 BSU 10620 NP 388943.2            EKLHDLSILYQQMEKSLADQYLHSEDYLTLLAEHIPLAEDIKGAHIYVDGFYQFTPQEFRVLEQLMVHAEHITFSLTADK  239
consensus                                     !**!! *!!   !* !   !!*!!!!! !! !**!  ! *!!!*!!*!!!* !*!!!  ** !!!! * **! *!! !

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  KTLAQPVNELDLFYETTLTYEKIKQVAREEKIEIEKTIPLMEQPRFHSPALAHLETHYEARPNEKFHGE.ASVTIRTAAN  319
NTDB id 120 BSU 10620 NP 388943.2            PSYERPEPHELELFRMTGKTYYRLHQKAKELNLDITYKELSGTERHTKTPELAHLEAQYEARPAIPYAEKQEALTVMQAAN  319
consensus                                    **   ***!!*!!  !  !! ***! !*!  **!    *    ** **! !!!!! *!!!!!  ***  *  *!*  !!!

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  LRAEVEGVAREIRRLVADEDYRYRDIAVLLRNGESYYDVMRTLFTDYNIPHFIDEKRPMSHHPLVECIRSALEIISGNWR  399
NTDB id 120 BSU 10620 NP 388943.2            RRAELEGIAREIHALVREKGYRYKDVAILARQPEDYKDMVKEVFADYEIPYFIDGKASMLNHPLIEFIRSSLDVLKGNWR  399
consensus                                     !!!*!!*!!!!* !! *  !!!*!*!*! !**! ! !*** *! !! !!*!!! ! *! *!!!*!*!!! !*** !!!!

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  YDAVFRCVKTELLYPLDVRKEAMREEMDEFENYCLAYGVQGKRWTSEDPWMYRRYRSLDDTDGMITDSEREMEEKINRLR  479
NTDB id 120 BSU 10620 NP 388943.2            YEAVFRCVKTELLFPLNEPKAKVREQVDQLENYCIAYGIKGDRWTKGDRFQYRRFVSLDDDF.AQTDQEIEMENMLNDTR  478
consensus                                    !*!!!!!!!!!!!*!!   *!   *!! *!   !!!!*!!!* ! !!!   !** !!!* !!!!   *  !! ! !!!   *!   !

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  DVVRTPVIRMQKRLKRAGTVMQMCEAVYLFLEELDVPKKLEALRIRAEESGDFLFATDHEQVWEEVMSLLDTFVEMLGEE  559
NTDB id 120 BSU 10620 NP 388943.2            DWIVPPLFQLQKRMKKAKTVQEKAEALYRYLEETDVPLKLDQERQRAEDDGRIIEAQQHQQAWDAVIQLLEEFVEMMGDD  558
consensus                                    ! * *!*  *!!!*!*! !!   *!!*! *!!! !!! !!*  ! !!!* !  * !  ! ! !* !* !!* !!!!*!**
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logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  KMSLSMFTDVMSTGLEALQFANIPPSLDQVLIANIDRSRLSNVKATFVIGVNEGVIPAAPMDEGMLSDEERDVLSAAGIE   639
NTDB id 120 BSU 10620 NP 388943.2            EISLDLFQQMIEAGAESLTFSLIPPALDQVFVGNMDLSRMYGTSCTFVLGANDGVLPARPDENGVLSDDDREWLKTIGVE   638
consensus                                     *!! *!  **  ! ! ! !  !!! !!!! **!*! !!*    *!!!*! !*!!*!! ! * !*!!!**!* !   !*!

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  LAPTTRQTLLEEQFVMYQMVTRATEKLYISCPLADEEGKTLLASSFIKKIKRMFPDVKDTFITNDVNDLSRSEQISYVAT   719
NTDB id 120 BSU 10620 NP 388943.2            LSSGGRERLLDEHFLIYMAFSSPSDRLYVSYPIADAEGKTLLPSMIVKRLEELFPHHKERLLTNEPEQVSDEEQLMYVVN   718
consensus                                    ! *  !  !!*!*!**!   * ****!!*!*!!  !!!!!!*!  *!**  *!!**!*  *!!**  *!  !!* !!

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  PEVTLSYVMQQLQTWKRYGFEGNLDFWWDVYNFYVTSDEWKQKSSRVLSSLFYRNRAQKLSTAVSRDLYGDKIKGSVSRM   799
NTDB id 120 BSU 10620 NP 388943.2            KSVAQSFTASQLRLWTREY..DISDVWWSTYNVLMSEQD.RLQSKKLFSSLFFRNEVKQLERSVSRQLYGERIQGSVSRM   795
consensus                                    * !  !*   !!  ! !  **   ! !!  !!  **  ***  ! ** !!!!*!!    !   !!! !!!**! !!!!!!

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  ELFNRCAYAHFAQHGLSLRERDIFKLDAPDIGELFHAALKRIADRLLRENRTWADLSIKECEHLSAIVIEEIAPLLQRQI   879
NTDB id 120 BSU 10620 NP 388943.2            ETFNACPFSHFASHGLHLKERQFFKLEAPDIGQLFHSSLKLISDRLREQKLDWRDLTKEQCELFSYDAVERLAPKLQKEI   875
consensus                                    ! !!  !** !!! !!!*!*!!  !!!*!!!!! !!!  !! ! !!!      ! !!*   !!* !   *! *!! !!* !

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  LLSSNRHFYLKQKLQQIIFRTSIILREHAKSSGFVPVDLEVPFGMGGTGSLPPMEFSLPNGVKMEVVGRIDRVDKAEDEN   959
NTDB id 120 BSU 10620 NP 388943.2            LLSSNRHYYVKEKLQKIVTRVSGILSEHAKASGFVPIGLEL..GFGGKGPLPPLTFQLKNGCTMELVGRIDRVDKAESSK   953
consensus                                    !!!!!!!*!*! !!! !* ! ! !! !!!! !!!!!* !!***! !! !*!!!* ! !*!!* !!*!!!!!!!!!!!

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  GTFLRIIDYKSSSKALDLTEVYYGLALQMLTYLDVVTSNAHTWMKKGHAASPAGVLYFHIHNPIVEVKGDASEAEIEKEI  1039
NTDB id 120 BSU 10620 NP 388943.2            GLLLRIVDYKSSDKGLDLAEVYYGLALQMLTYLDLSITHSADWL..GMRATPAGVLYFHIHDPMIQSNLPLGLDEIEQEI  1031
consensus                                    !   !!!*!!!!! !*!!! !!!!!!!!!!!!!!!*  ** * !***!* !*!!!!!!!!!! !**    *    !!! !!

logo
NTDB id 255370 CUC43 RS15540 WP 029437814.1  LKKFKMKGLVLGDADVVRLMDNKLSTGSSDIISAGLKKDGSFSARSSIASEQEFNVLQKYVHHTFENIGKDITEGVIDIA  1119
NTDB id 120 BSU 10620 NP 388943.2            FKKFKMKGLLLGDQEVVRLMDTTLQEGRSNIINAGLKKDGSLRSDSAAVGEKEFDLLTKHVRRTFQEAGEQITDGRVSIE  1111
consensus                                     !!!!!!!!*!!! *!!!!!!  !  ! ! !! !!!!!!!!   !   ! !! *! !*!**!!   !  !!*! * !
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logo

NTDB id 255370 CUC43 RS15540 WP 029437814.1  PYKKGNKAACTFCNFKSVCQFDESLEDNQFRTLKDMKDSEAMEKIREEVGGE...  1171
NTDB id 120 BSU 10620 NP 388943.2            PYKMKNKTPCTYCAFKSVCQFDESLEENEYRPLKAEKDKTILEWIKKEADGNEHS  1166
consensus                                    !!!  !! *!!*! !!!!!!!!!!!!*! *!*!!  !!   *! !* !  ! ***
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X non conserved

X similar

X $\geq$ 50% conserved