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logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  MSLRFVIGRAGSGKSTLCLREVQEELKERPRGKTILYLVPEQMTFQTQQALIGSEEVRASIRAQVFSFSRLAWKVLQEVG   80
NTDB id 120 BSU 10620 NP 388943.2            MGAEFLVGRSGSGKTKLIINSIQDELRRAPFGKPIIFLVPDQMTFLMEYELAKTPDMGGMIRAQVFSFSRLAWRVLQHTG   80
consensus                                    !   !**!! !!!!* !**  *!*!!*  ! !!*!**!!!*!!!!     !  **** * !!!!!!!!!!!!!*!!!* !

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  GASRLHIDEAGVHMLLRKIIESRKEGLYVRQKAAEQNGFFEHLGGMIAEFKRYNITPSHVYEMWQQLDAHSSSAEQKLLA  160
NTDB id 120 BSU 10620 NP 388943.2            GMSRPFLTSTGVQMLLRKLIEEHKQEFKVYQKASDKSGFTAQVERMLTEFKRYCLEPEDIRRMAESGTA.SEYRGERVLS  159
consensus                                    ! !!***   !!*!!!!!*!! *!    !*!!! *  !!  **  !* !!!!!** ! **  !     !*!     **!

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  NKIYDLQLLYDDFERALIGKYLDSEDYLQLLIEKLPFSEYVKDAEIYIDGFHSFSPQELEIIRQLMRCGARMTITLTVDE  240
NTDB id 120 BSU 10620 NP 388943.2            EKLHDLSILYQQMEKSLADQYLHSEDYLTLLAEHIPLAEDIKGAHIYVDGFYQFTPQEFRVLEQLMVHAEHITFSLTADK  239
consensus                                     !**!! *!!   !* !   !!*!!!!! !! !**!  ! *! !*!!*!!!* !*!!!  ** !!!  * **! *!! !

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  KTFAQPVNELDLFYETVLTYEKVKQVAREEKVVMEKTIPLVEQPRFHSPALAHLEAHYESRPNEKFYGE.TSIAIHTAAN  319
NTDB id 120 BSU 10620 NP 388943.2            PSYEREPHELELFRMTGKTYYRLHQKAKELNLDITYKELSGTERHTKTPELAHLEAQYEARPAIPYAEKQEALTVMQAAN  319
consensus                                    ***  ***!!*!!  !  !! ***! !*!  * *   *   ** **! !!!!!!*!! !!  **  *  * ** !!!

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  LRAEVEGVAREIRRLVAEENYRYRDIAVLLRNGESYYDVLRTLFADYDIPHFIDEKRSMSHHPLVECIRSALEIISGNWR  399
NTDB id 120 BSU 10620 NP 388943.2            RRAELEGIAREIHALVREKGYRYKDVAILARQPEDYKDMVKEVFADYEIPYFIDGKASMLNHPLIEFIRSSLDVLKGNWR  399
consensus                                     !!!*!!*!!!!* !! !  !!!*!*!*! !**! ! !*** *!!!!*!!*!!! ! !! *!!!*!*!!! !*** !!!!

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  YDAVFRCVKTELLYPLDVKKEVMREEMDEFENYCLAYGVQGKKWTADEPWTYRRYRSLDEGNEVITDRERQMEEKMNRLR  479
NTDB id 120 BSU 10620 NP 388943.2            YEAVFRCVKTELLFPLNEPKAKVREQVDQLENYCIAYGIKGDRWTKGDRFQYRRFVSLDDDFA.QTDQEIEMENMLNDTR  478
consensus                                    !*!!!!!!!!!!!*!!   *!   *!! *!   !!!!*!!!* ! *!!   *** !!!* !!!*   * !! !   !!   *!   !

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  EIVRTPIIRLQKRLKRASTVMQMCEAVYLFLEELDVPKKLEQLRVRAEESGDFLFATDHDQVWEEVMNLLDTFVEMLGEE  559
NTDB id 120 BSU 10620 NP 388943.2            DWIVPPLFQLQKRMKKAKTVQEKAEALYRYLEETDVPLKLDQERQRAEDDGRIIEAQQHQQAWDAVIQLLEEFVEMMGDD  558
consensus                                    * * *!*  !!!!*!*! !!   *!!*! *!!! !!! !!*! ! !!!* !  * !  ! ! !* !**!!* !!!!*!**
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logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  SMSLSVFIDVMTTGLEALQFANIPPSLDQVLIANIDRSRLSNIRATFVIGANEGVMPATPTDEGMLSDEERDVLAAAGVE   639
NTDB id 120 BSU 10620 NP 388943.2            EISLDLFQQMIEAGAESLTFSLIPPALDQVFVGNMDLSRMYGTSCTFVLGANDGVLPARPDENGVLSDDDREWLKTIGVE   638
consensus                                     *!! *!  **  ! ! ! !  !!! !!!! **!*! !!*    *!!!*!!!*!!*!! ! * !*!!!**!* !   !!!

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  LAPTTRQTLLEEQFVLYQMVTRASEKLYISCPLADEEGKTLLASSFMKKIKRMFPNVKETFVTNDVNDLSRAAQISYVTT   719
NTDB id 120 BSU 10620 NP 388943.2            LSSGGRERLLDEHFLIYMAFSSPSDRLYVSYPIADAEGKTLLPSMIVKRLEELFPHHKERLLTNEPEQVSDEEQLMYVVN   718
consensus                                    ! *  !  !!*!*!**!   * *!**!!*!*!*!! !!!!!!*!  *!**  *!!**!!  *!!**  *!   !* !!

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  PEVTLSYVMQQLQTWKRYGFEGDLDFWWDVYNFYVTSDEWKQKSNRVLSSLFYRNRAKKLSTAVSRILYGDKIKGSVSRM   799
NTDB id 120 BSU 10620 NP 388943.2            KSVAQSFTASQLRLWTREY..DISDVWWSTYNVLMSEQD.RLQSKKLFSSLFFRNEVKQLERSVSRQLYGERIQGSVSRM   795
consensus                                    * !  !*   !!  ! !  **   ! !!  !!  **  ***  ! ** !!!!*!!  ! !   !!! !!!**! !!!!!!

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  ELFNRCAYAHFAQHGLSLRERDIFKLDAPDIGELFHAALKKIADKLLREKRTWADLSIKECEHLSILVIEEIAPLLQRQI   879
NTDB id 120 BSU 10620 NP 388943.2            ETFNACPFSHFASHGLHLKERQFFKLEAPDIGQLFHSSLKLISDRLREQKLDWRDLTKEQCELFSYDAVERLAPKLQKEI   875
consensus                                    ! !! !** !!! !!!*!*!!  !!!*!!!!! !!!  !! ! !*!   !  ! !!*   !!* !   *! *!! !!* !

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  LLSSNRHAYLKQKLQQIIFRTSLVLREHAKASGFVPVDLEVPFGMGGKDSLPPMEFTLSNGVKMEVVGRIDRVDKAEDES   959
NTDB id 120 BSU 10620 NP 388943.2            LLSSNRHYYVKEKLQKIVTRVSGILSEHAKASGFVPIGLEL..GFGGKGPLPPLTFQLKNGCTMELVGRIDRVDKAESSK   953
consensus                                    !!!!!!! !*! !!! !* ! ! *! !!!!!!!!!!* !!***! !!! *!!!* ! ! !!* !!*!!!!!!!!!!!

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  GTFLRIIDYKSSSKALDLTEVYYGLALQMLTYLDVVISNAGTWMKQGEVASPAGVLYFHIHNPLVEVKGDASEEEIEKEI  1039
NTDB id 120 BSU 10620 NP 388943.2            GLLLRIVDYKSSDKGLDLAEVYYGLALQMLTYLDLSITHSADWLG..MRATPAGVLYFHIHDPMIQSNLPLGLDEIEQEI  1031
consensus                                    !   !!!*!!!!! !*!!! !!!!!!!!!!!!!!* !** * !* **  !*!!!!!!!!!! !**    *   *!!! !!

logo
NTDB id 252192 CG476 RS05280 WP 048722281.1  LKKFKMKGLVLGDADVVRLMDNKLSTGSSDIISAGLKKDGSFSARSNIASEQEFSVLQKYVHHTFETIGKDITEGVIDIA  1119
NTDB id 120 BSU 10620 NP 388943.2            FKKFKMKGLLLGDQEVVRLMDTTLQEGRSNIINAGLKKDGSLRSDSAAVGEKEFDLLTKHVRRTFQEAGEQITDGRVSIE  1111
consensus                                     !!!!!!!!*!!! *!!!!!!  !  ! ! !! !!!!!!!!   !   ! !! *! !*!**!!   !  !!*! * !
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logo

NTDB id 252192 CG476 RS05280 WP 048722281.1  PYKMGNKAACTFCHFRSVCQFDESLEDNQFRTLKDMKDSEAMEKIREEVGE....  1170
NTDB id 120 BSU 10620 NP 388943.2            PYKMKNKTPCTYCAFKSVCQFDESLEENEYRPLKAEKDKTILEWIKKEADGNEHS  1166
consensus                                    !!!! !! *!!*!*!*!!!!!!!!!!*! *!*!!  !!   *! !* !   ****
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X non conserved

X similar

X $\geq$ 50% conserved