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logo
NTDB id 240318 CGZ77 RS07555 WP 036496379.1  MNPTALPFSPLDIPISGTSLIEASAGTGKTYGIAALFARLILLEKMPVDKVLVVTFTKAATAELKTRLRARLDEALRRLQ   80
NTDB id 1132 OK783 RS01905 WP 010951035.1    MSAPIRAFDPLTAPISGTNLIEASAGTGKTYGIAALFTRLIVLEQKSVERVLVVTFTKAATAELKTRLRARLDDVLQVLE   80
consensus                                    !  **  *! !!  !!!!! !!!!!!!!!!!!!!!!! !!!*!!  *!**!!!!!!!!!!!!!!!!!!!!!!!!!!!!* !  !

logo

NTDB id 240318 CGZ77 RS07555 WP 036496379.1  GTDLPEA...................ADEFMSGLLQRALEQEPRERLQLRLKAALSQFDSAAIYTIHGFCRRLLGDYAFLC  142
NTDB id 1132 OK783 RS01905 WP 010951035.1    SKEIAELGDDTLSDGIAAYCAEHHEGDTFLPALLEQALQKESRTRLIVRLKAAIGQFDNAAIYTIHGFCQRILRDYAFLC  160
consensus                                      ***! ********************! !***!!  !!  !*! !! *!!!!!* !!! !!!!!!!!!! !*! !!!!!!

logo

NTDB id 240318 CGZ77 RS07555 WP 036496379.1  QVPFDTELDENGKRELYTYAQDFWRLRVAGNGRLARLVFRAKLLPDALLDELSPYLARPALTFRRPDDNILPEAEKQAQS  222
NTDB id 1132 OK783 RS01905 WP 010951035.1    QAPFDVELTEEDGDRLLVPAQDFWRERVSGDPVLAALAFKRKAVPQTVLAQIRAYLSRPYLNFRRPQADL.KQAQRDAET  239
consensus                                    ! !!! !! !     !  *!!!!!! !! ! * !! ! !* ! *!  *!  * *!! !! ! !!!!   *** ! * ! *

logo

NTDB id 240318 CGZ77 RS07555 WP 036496379.1  AWRTLRGKLPELTATFWRVHPSLSGSKFKKALYETKFAELAALAESEEMPSEKLAQLLANTKGISVFAPEYLEAAVKKGQ  302
NTDB id 1132 OK783 RS01905 WP 010951035.1    SWQTVCRLLPELEAGFWRIHPDLNGNSYRKNSFGNLFKELAQKSAAGQLPCLDKD....THERLLKLSSDKLEAGLKKGK  315
consensus                                     ! !**  !!!! ! !!!*!! ! !  **!  *   ! !!!       *!*    **** *  *    ** !!!**!!!

logo

NTDB id 240318 CGZ77 RS07555 WP 036496379.1  NPAAADLADLTLLHGAHQAAENLLAAEHQALIALQLDFLQYVRESAAEKRRTRTGRSPDELLLDVYHALTAGIHAETLAD  382
NTDB id 1132 OK783 RS01905 WP 010951035.1    TPDAAVFAELQKLADFGRDLNALEEAEETTMIRLQLDLIEYLNSSLAEMKKSRRERGFDDLLLDVHTALTDNPHAETPAR  395
consensus                                     ! !!  !*!  !*  *     !  !!*  *! !!!! * !*  ! !! ***!  ! *!*!!!!!**!!!  *!!!!*!

logo

NTDB id 240318 CGZ77 RS07555 WP 036496379.1  TVAHNWPVALIDEFQDTDPLQYEIFRRIFIKRQRPLFLVGDPKQAIYAFRGADIYAYLQAAADTPQHYTLARNFRSHSRL  462
NTDB id 1132 OK783 RS01905 WP 010951035.1    AVAENWEIALIDEFQDTDPLQYEIFQKIFIARNRPLFLVGDPKQAIYSFRGADIYAYLQAAEDARHRYTLATNYRSHAAL  475
consensus                                     !!*!!**!!!!!!!!!!!!!!!!! *!!! !*!!!!!!!!!!!!!! !!!!!!!!!!!!! ! ***!!!! !*!!!  !

logo

NTDB id 240318 CGZ77 RS07555 WP 036496379.1  TEATARLFTQKNRPFVLERIGYPEVEAARADSRLSPPQAALNIRWLHEKGEDAPDKALLRQRAADYCAAEAAALINAGAQ  542
NTDB id 1132 OK783 RS01905 WP 010951035.1    IGSIGALFRLKERPFVLENIGYSEVGAARAESRLSPKRPAVQLRWLHENDNEKANKDVLRRRAADYCADEIARALNEASG  555
consensus                                       * !!  ! !!!!!! !!!*!! !!!!*!!!!!* *!***!!!!!   * * ! *!! !!!!!!! ! !  *! *
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logo
NTDB id 240318 CGZ77 RS07555 WP 036496379.1  GRLKYRGAPVQPGHIAVLVHSHNQGQLVKRALSARGIASVSVQRESVFKSAEAQALAALLAFWLEPQRTGLLRFVLGSVL   622
NTDB id 1132 OK783 RS01905 WP 010951035.1    GRLNFKDRPLQSGDIAVLVRTHNEAVMISAALKKRQVQSVLLSRESVFASPEAAALSALIGFWLEPRRAGTLRFVLTSGI   635
consensus                                    !!! **  !*!*!*!!!!!**!! * **  !!  ! * !! * !!!!! !*!! !! !!**!!!!! ! ! !!!!! ! *

logo
NTDB id 240318 CGZ77 RS07555 WP 036496379.1  FGHTAAQIAELNSSEARLSEHTAAAAADRETWQRQGIFAALAAFAAQHGIETRLLREGNERSLTNFWQLAELLAAEDEAG   702
NTDB id 1132 OK783 RS01905 WP 010951035.1    FGYDAQQLHDFNQNESEILHWAESARTALDIWQKYGIFAAMQQFSQTHGIETRLLSRNNGRSLTNYFQLLELLAAEDAQN   715
consensus                                    !!* ! !*** !  !  * **   !    * !!* !!!!!*  !   !!!!!!!!   ! !!!!!**!! !!!!!!!

logo
NTDB id 240318 CGZ77 RS07555 WP 036496379.1  HTPASLHQWLLQTMQ..DDSAAEHHLLRLESDEALVKIVTIHASKGLQYPFVFCPFSWDTSEAAAGNWHILHRAD.GSEL   779
NTDB id 1132 OK783 RS01905 WP 010951035.1    RNPAALHKWLRDQISLAGNNGGDNRAIRLESDEDLVKIVTMHASKGLQYPLVYCPFAWDAQDTGPSDWQILHQGANRAEL   795
consensus                                    * !! !! !!   * **   ***** *!!!!!! !!!!!!*!!!!!!!!! !*!!! !!  * **  !*!!! * *  !!

logo
NTDB id 240318 CGZ77 RS07555 WP 036496379.1  LELSQLDEADQNQLADEDLGERLRLLYVALTRAEEQLTVYAARCRSTPRNTFAYLLEGSPDSSRAAVQTAYEEEKDGQSA   859
NTDB id 1132 OK783 RS01905 WP 010951035.1    LAKAQLSESEQKQYADEEMAERLRLLYVALTRAEEQLNIYAAYSSDTADNPLAYLIEGLPQDSRETVRRTYACEKDGI.T   874
consensus                                    !   !! ! *! ! !!!***!!!!!!!!!!!!!!!! *!!! *  !* !* !!!*!! !  !!  !   ! *!!!! *

logo
NTDB id 240318 CGZ77 RS07555 WP 036496379.1  MLRRNWLRWIESAPADSGILWHEGAPVSAAADSRGRGTHTYRAAEYPSRRFELVRFTSFTGLTRRLSHHRAAGDELQPAL   939
NTDB id 1132 OK783 RS01905 WP 010951035.1    MLKRNWRRVADNAPAGTDFTFTEDAPPPAAYRGNADQAAEFAANSIPERGFRFVRHTSFTALSRHTQTPDGGEEDACPSL   954
consensus                                    !!*!!! !  * !!! *   **! !!**!!    *   * * !   ! ! !  !!*!!!!*!*!*  *  ** ** *! !

logo
NTDB id 240318 CGZ77 RS07555 WP 036496379.1  DQAESAAAPPAAPASDESGMLDLFHFPRGTEAGVCLHEILEQHDFSRPAAEQSTRIADTLERYGFPEQWLETACAAADHA   1019
NTDB id 1132 OK783 RS01905 WP 010951035.1    DAAETSVPAMPSETPTASDGISIHDFPKGTQAGLCLHEILEDFKFGQAAAEQETLIADKLKKYGFEEIWLPAVAEMAEAC   1034
consensus                                    ! !!*  **** * *  !  * ***!!*!! !!*!!!!!!! * !  *!!!! ! !!! ! *!!!*! !!*  *  !***

logo
NTDB id 240318 CGZ77 RS07555 WP 036496379.1  AAADLGAGDTLAILPAANRLAEMGFVMHFDRFDLGRLKTSLAA..AGLPSACLAAAEHLDFDTLQGFLNGFIDMTCLLSD   1097
NTDB id 1132 OK783 RS01905 WP 010951035.1    RKTPLTGAYGLSDIPPGCRRPEMGFTLHTEDFGLKRLRDWLARDDIRLPEVCRAAAETLDFHTVNGFLNGFIDMVCQDPD   1114
consensus                                       *! **  !  *!***! *!!!! *! * ! ! !!*  !! **  !!  ! !!!!*!!!*!**!!!!!!!!! !  *!
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logo
NTDB id 240318 CGZ77 RS07555 WP 036496379.1  GQPCVIDYKSNHLGNHPDDYAPAALDAAVAEHHYYLQAWIYALAVARYLKQRGRPVQTVRVRYLFLRGLNTENRNGIWQW  1177
NTDB id 1132 OK783 RS01905 WP 010951035.1    GNICIIDYKSNHLS....AYTRQAMDEAVAHQHYYLQALIYAVAAARYFKLRGQPPAAVSVRYLFLRGLDGK.GGGVWRW  1189
consensus                                    !**!*!!!!!!!! **** ! * !*! !!!**!!!!!! !!!*! !!! ! !! !*  ! !!!!!!!!!    *  !*! !

logo
NTDB id 240318 CGZ77 RS07555 WP 036496379.1  DIAAEHLAPWL  1188
NTDB id 1132 OK783 RS01905 WP 010951035.1    DIDAAALEQIK  1200
consensus                                    !! ! *! *
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X non conserved

X similar

X $\geq$ 50% conserved