```
logo
NTDB id 402540 FOC51 RS01865 WP 005725465.1  MAIPTRNEVPEELKWDLTRIFKNDDEWEQAYAAAQEKVAKLAELKGTLAKSGKNLYESLTKILAVKRDVENIYVYATMSS   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    .MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKN   79
consensus                                    *  * ! ***!   !!!! !!  ! *!! !     * !     !*!  !*!!!       * * ! *! !!!!!*!

logo
NTDB id 402540 FOC51 RS01865 WP 005725465.1  DVDTSNSHYLGYVSRVQSLANQFEAATSFINPEILSIPSDKLEQFKQAEPRLKDYAHYLETITNKRPHTLPAEQEKLIAD  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    DQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAA  159
consensus                                    ! !!*  *!  !  *   !  !   !  *  !! * **  !!  !! !! !  ! !! ! *   **! !* ! ! !*!

logo
NTDB id 402540 FOC51 RS01865 WP 005725465.1  AGDALSVSENTFNVLTNSDMEYGYVQDDDGNMEQLSDGLYSLLIQSQNRDVRKGAFDTLYATYGQFQNSLASTLSGVVKK  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    AGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKV  239
consensus                                    !!!    *  !!!!! ! !* ***! !  ! *  !**! *  !* !  !!*!!!** *!*!! !!!** ! !! !!!!

logo
NTDB id 402540 FOC51 RS01865 WP 005725465.1  HNYNARVHKYNSAREAALADNGVPVAVYDTLIQEVDSHLDLLHRYVALRKKILGLKDLQMWDMYVPLTGRPSLSYNFEEA  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    HNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETET.ALTYEES  318
consensus                                    !!!*!*!**!!!!!*!!!! ! *!  !!!*!*  !  !!*!!!!!* !!!!*!!! *! !*!*! !!*  ***   *!!

logo
NTDB id 402540 FOC51 RS01865 WP 005725465.1  KETAKKALAPLGEDYLKHVDYIFNNRVIDPIESKNKVTGAYSGGAYDTDPYELLNWEDNIDSLYTLVHETGHSVHSWYTR  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTR  398
consensus                                       !   !!* !!*! !*!*  !  ! !!*** ! ! *!!!!!!!!!! ** !!!! ! *! !*!!!!!!!!!*!! *!!

logo
NTDB id 402540 FOC51 RS01865 WP 005725465.1  NTQPYVYGDYPIFVAEIASTTNENILTEYFLDHITDPKTRAFILNYYLDSFKGTLFRQTQFAVFEQFLHEADAKGEPLTA  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTA  478
consensus                                    *!!!!!!!!!!!!!*!!!!!!!!!!!!!!!   ! ** !*!!!  !!!*!!! !!!!*!!!!!!! !!* *!!!!! ! *!!!

logo
NTDB id 402540 FOC51 RS01865 WP 005725465.1  DTLDDVYGQINQHYYGDSVEPGGDIALEWSRIPHFYYNFYVYQYATGFAAATALANKVVHGTPAERDAYLGFLKAGSSDY  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    DFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDY  558
consensus                                    ! *  *!* *! *!!    !*  *!  !! !!!!!! !*!!!!!!!!!!!!!* !! !*!!!!* ***!!! *!!!!!!!!
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logo

NTDB id 402540 FOC51 RS01865 WP 005725465.1  PTEIMKRAGVDMTKPDYLEDAFKTFEKRLNEFESLIEK.....  598
NTDB id 480 HSISS4 RS02090 WP 002890133.1    PLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS  601
consensus                                    ! !**!*!!!!!! *!!!* !!! !! !! ! ! !*!!*****
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X non conserved

X similar

X $\geq$ 50% conserved