```
logo
NTDB id 53413 C269 RS07225 WP 010015358.1   MAQLLRNEVPEDLTWDLSTIFDSDSDWELAFAAVKQETEMLSRFVGHVGDSAELLQSALEADLKIERELEKVYVYAHQIYDQDTT   85
NTDB id 480 HSISS4 RS02090 WP 002890133.1   .MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKNDQDTT   84
consensus                                   *    ! ***!  !!!!*!!! *! !!!  *   !*   ! * !!* !!!  !  !  !  * * ! !!!*!!!!*   !!!!!

logo
NTDB id 53413 C269 RS07225 WP 010015358.1   NQSYAAFNSRVQALWAEVSQATAYFQPEVLNIPDDKLAVYLM.TDGLKQYAHLFETLRALKPHTLAAEQEKLLAGVGDIFNASEN   169
NTDB id 480 HSISS4 RS02090 WP 002890133.1   VGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAAGDIFNGPTD   169
consensus                                      !  ** *   !*  *! ! !!! !! * **! !!! *  * *!!  ! ! !! ! ! !*! !  ! ! !!!* !!!!!**

logo
NTDB id 53413 C269 RS07225 WP 010015358.1   TFGALDNSDITFGDVHTESGETVALTNGLYSLLLESKSRDLRREAFETLYDSYIGLQNTFASTLSSHIKGHNFLAKVRHYNSARE   254
NTDB id 480 HSISS4 RS02090 WP 002890133.1   TFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVHNYQAKVRHYNSARH   254
consensus                                   !!  !!! !! !* !*   !* ! !!*! *  !*!!! !!*!* !*! *! *!   !*!*! !!  **! !!* !!!!!!!!!!*

logo
NTDB id 53413 C269 RS07225 WP 010015358.1   AAILPHNVPTTVFDTLSQTVAANLPLLHRFVSLRKRILGVTDVHSYDLYVPLVDEVDFDVTYEKAQEIVLAALAPLGQDYLDIVK   339
NTDB id 480 HSISS4 RS02090 WP 002890133.1   AALAANFTPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ETALTYEESLKKAEEVLAIFGEEYSKGVH   338
consensus                                   !!* ** *! *!*!*!  *!  *!!!!!!** !!!**!!* *** !!*! !! * **  *!!!         !!* ! *!   !*

logo
NTDB id 53413 C269 RS07225 WP 010015358.1   KAFDERWIDVVENKGKRSGAYSSGTYDTNPFILLNWQNNLNNVYTLAHEMGHSVHSYLTRHNQDYHYGDYPIFLAEIASTTNESL   424
NTDB id 480 HSISS4 RS02090 WP 002890133.1   AAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQTQPYVYGDYPIFLAEIASTTNENI   423
consensus                                    !! !!!!!!**!!!!!!!!!! ! !!!!*!*!!!!!  ! !**!! !! !!!*!!  !!* !*!*!!!!!!!!!!!!!!!!! *

logo
NTDB id 53413 C269 RS07225 WP 010015358.1   LTDYLLKTNSDPKFQAYVLNQYLDGFKGTVFRQTQFAEFENWIHEQSAAGVALTADHMSTYYSELNQKYYGPDLFPDEEIAYEWT   509
NTDB id 480 HSISS4 RS02090 WP 002890133.1   LTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGGQILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWE   508
consensus                                   !!* !!!    !*!    *!!*!!!!!!!!!!!!!!!!!!!* !!!  ! !  !!!!*!   ! *!! !!! *   *  !! *!!

logo
NTDB id 53413 C269 RS07225 WP 010015358.1   RIPHFYYNYYVYQYATGEAAATTLAERIIKND..GAEDYKAYLKAGSSDYPLNVILKAGVDMSQADYLKQAFNVFETRLNQLESL   592
NTDB id 480 HSISS4 RS02090 WP 002890133.1   RIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEAL   593
consensus                                   !!!!!! !!!!!!!!!! !!!* !!!*!**  **  ! !  !!!!!!!!!!! !! !!!!!!** !!!  !! !!! !!  !! !
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logo                                          VIKLEKGVHLS

NTDB id 53413 C269 RS07225 WP 010015358.1     LIK.....   595
NTDB id 480 HSISS4 RS02090 WP 002890133.1     VEKGVHLS   601
consensus                                     * !*****
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X non conserved

X similar

X $\geq$50% conserved