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logo
NTDB id 318163 D7321 RS09080 WP 127836029.1  MAIPTRNEVSDDLKWDLSRVFKDDQEWEQEYNQVATEIKNLGRFKGNLAKSGQDLYEGITEILSVNRRLEKVYVYATMSS   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    .MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKN   79
consensus                                    *  * ! ** *   !!!* *!  ! *!! !!    **!    * !*!  !*  !  *   *!* !!!!!*!!!!*!

logo
NTDB id 318163 D7321 RS09080 WP 127836029.1  DVDTSNTHYLGLVAKAQSLANQMSAAISFVDPEILSIPEETLAKFMQDEPRLKEYQHRLEQITKKRPHTLPASEEKIIAA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    DQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAA  159
consensus                                    ! !!*  *!    !!!  !  !*! !  * *!! * ***  !! !   !! !  ! !  ! *   **! !*   ! **!!

logo
NTDB id 318163 D7321 RS09080 WP 127836029.1  AGDAMGTSANTFNVLTNSDMEYGYVQDEDGEMVQLSDGLYSLLIQSQDRNVRKNAFDVMYASYGQFENSLASTLSGEVKA  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    AGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKV  239
consensus                                    !!!    *  !!!!! ! !* ***! !  !**! !**! *  !* ! !! *!! !** !!**! !! ** ! !! ! !!

logo
NTDB id 318163 D7321 RS09080 WP 127836029.1  HNFNAQVHKYNSAREAALSENGVPTAVYDTLVKEVNSHLDLLHRYVSLRKKILGLSDLQMYDMYVPLTGEPSLSYNFEEA  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    HNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETE.TALTYEES  318
consensus                                    !!**! !**!!!!!*!!!  ! *!  !!!*!*  !! !!*!!!!!* !!!!*!!! *! !!!*! !!*  **    *!!

logo
NTDB id 318163 D7321 RS09080 WP 127836029.1  KNEARRALAPLGKDYLEHVDYIFNNRVIDVVESQNKVTGAYSGGSYDTDPYELLNWEDNLDSLYTLVHETGHSVHSWYTR  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTR  398
consensus                                       !   !!* ! *!  *!*  !  ! !!!**   ! *!!!!!! !!! ** !!!! ! !! !*!!!!!!!!!*!! *!!

logo
NTDB id 318163 D7321 RS09080 WP 127836029.1  NTQPYVYGDYPIFVAEIASTTNENILTEYFLDKITDPKTRAFVLNHYLDSFKGTLFRQTQFAEFEQFIHEADANGQPLTA  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTA  478
consensus                                    *!!!!!!!!!!!!*!!!!!!!!!!!!!!!   !  * !*!!!  *!!!!!! !!!!*!!!!!!!!!!* !!!!!! !!*!!!

logo
NTDB id 318163 D7321 RS09080 WP 127836029.1  DVLDEFYGNLNQRYYGDSVEPGGEIAKEWARIPHFYYNFYVYQYATGFAAATALANNVVHGTDKERTAYINFLKAGSSDY  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    DFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDY  558
consensus                                    ! *   !* !! *!!    !*  !!  !! !!!!!! !*!!!!!!!!!!!!!* !!  *!!!!* ** !!* *!!!!!!!!
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logo

NTDB id 318163 D7321 RS09080 WP 127836029.1  PTEIMKRAGVDMTKADYLRDAFNTFEKRLNEFEKIVNELKTI.   602
NTDB id 480 HSISS4 RS02090 WP 002890133.1    PLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                    ! !**!*!!!!!!  !!!  !!  !! !! ! ! *!    ***
```

X non conserved

X similar

X $\geq$ 50% conserved