```
logo
NTDB id 375185 FP435 RS00845 WP 265483876.1  MVLPTRNEVSDSLKWDLSRIFKNDQEWEEEFKNISQKIAKIPTYSQNFTQSATNLYNGLTAITSIERQLEKLYSYATLSS   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    .MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKN   79
consensus                                    ** * ! ** *   !!!* !!  ! *!! !*   ! * ! * !  *   !! !!  *    !* ! !!!*! !!**

logo
NTDB id 375185 FP435 RS00845 WP 265483876.1  DADTTNTHYLGYVAQVQDLVTKMNANSAFVDPAILEIDEKTLTQFIEDDPRLELFTHKFEELTKKRPHTLSADKEKIIAD  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    DQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAA  159
consensus                                    ! !!!  *!  ! !   ! * *   !* *!  * *!*! !  ! ! *! ! !* ! !! !   **! !! * ! **!

logo
NTDB id 375185 FP435 RS00845 WP 265483876.1  ASSALNSSANTFNILTNSDIEYGFTQDDSGEMVQLSEGIYSTLIQSANRSVRKNAFTTLYDSYAQFNNTLASTLAGNVKM  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    AGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKV  239
consensus                                    !    ! *  !!!*! ! !! ***  !  !**! !**! * !!* !  ! *!! !*  *! *! !!**! ! !! ! !!*

logo
NTDB id 375185 FP435 RS00845 WP 265483876.1  QNYQAQVHNYNSAKEASLAANNIPNIVYDTLIKQVNEHLPLFHRYIALRKKILSLPDLQMYDMYVPLTGKPALSYNFEEA  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    HNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETE.TALTYEES  318
consensus                                    *!!!! !**!!!!**! !!!! !!  !!!*!*  !! !!!! !!!* !!!!*! !**! !!!*! !!*  **    *!!

logo
NTDB id 375185 FP435 RS00845 WP 265483876.1  KIEAKKALAILGDDYLKQVDYIFNNRVIDPIESKGKVTGAYSGGSYDTDAYELLNWTNDVDSLYTLVHETGHSVHSMYTR  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTR  398
consensus                                       !   !!! !**! ! !*  !  ! !!*** !!! *!!!!!! !!! !* !!!!   *! !*!!!!!!!!!*!! *!!

logo
NTDB id 375185 FP435 RS00845 WP 265483876.1  QTQPYIYGDYPIFVAEIASTTNENLLTEYFLENIQDPKTRAFVLNYYLDAVKGTLFRQTQFAEFEQFIHEADSSQGIPLTA  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTA  478
consensus                                    !!!!!*!!!!!!!*!!!!!!!!!!!*!!!   !  * !*!!!  *!!*!!!* !!!*!!!!!!!!!!* !!!!!   ! *!!!

logo
NTDB id 375185 FP435 RS00845 WP 265483876.1  ETLNNAYSNLNSRYYGKDVEPGGDIAMEWSRIPHFYYNFYVYQYATGFAAASALADGIMHGDSTQRDKYLEFLKAGSSDY  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    DFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDY  558
consensus                                    * *!  !  !! *!!    !*  *!  !! !!!!!! !*!!!!!!!!!!!!!! !!* !*!!    ** !! *!!!!!!!!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 375185 FP435 RS00845 WP 265483876.1  PVNLVKKAGVDMTKPDYLENTFNTFEKRLNELENLTNTL....   599
NTDB id 480 HSISS4 RS02090 WP 002890133.1    PLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                    !* **!!!!!!!! *!!!*  !  !! !! !!! !    ****
```

X non conserved

X similar

X $\geq$ 50% conserved