```
logo
NTDB id 1045186 ACEPSR RS06120 WP 395319091.1  MTVKSIPKRNEVPENLTWDLTTIFKDEARFKVELDQVKAEVATVNQLAGKLANSADDLLQVVEKVLNLNRRFEKVYVYAH   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1      ....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYAS   76
consensus                                      ****  * ! ***!  !!!!!!!!  *! *  ! *    **      !!*!  !!  !!   !  * ! !! !!*!!!!*

logo
NTDB id 1045186 ACEPSR RS06120 WP 395319091.1  LNHDVDTANNGAQVRMEQVEALGTKLSEATSWFDPEIINLGKVKIDAYMATQPKLTEYDRLFKMILKDEGHVLSIEAEKL  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1      MKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEEL  156
consensus                                      * *! !!     !         ! * !!!!  *!*!! * !   !*  *    ! !  !!* !  *!    !!!! !!! !

logo
NTDB id 1045186 ACEPSR RS06120 WP 395319091.1  LSGASNIFNAPEKIFSMMDSSDFVFPEVKDEQGNTVRLSNGLYSLLLQSTDQNVRREAFQKFYTVFNQFKHTLAATLSSE  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1      LAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGV  236
consensus                                      ! *!  !!!*!   ! **!  ! *!! ! ! !!  ! !**! *  !* ! !  *!* !*   !  * !! !! ! !!

logo
NTDB id 1045186 ACEPSR RS06120 WP 395319091.1  VAVNNYQAQVHHFSSAREQAMHENEIPAKVFTTLVKTVNDNLPLLHRYVALRKKILKISEMHMYDMYVPLAQTPDVKYTF  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1      VKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETET.ALTY  315
consensus                                      ! !*!!!! !*!* !!!* !** ! !!  !* *!* *!! *!!!!!!!* !!!!*! * !**!!!*! !!  !* *  !*

logo
NTDB id 1045186 ACEPSR RS06120 WP 395319091.1  AESKKIMLQALQVMGPDYVKHVEEELNNRWIDVVENKGKRTGAYSSGVYDTNPYILLNWQDNLDNLYTLIHETGHSMHSY  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1      EESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHST  395
consensus                                       !! !     ! * !**! !*!*     !!!!!**!!!!!*!!!! ! !!!!***!!!!!! !!!!*!!*!!!!!!*!!

logo
NTDB id 1045186 ACEPSR RS06120 WP 395319091.1  YSSHNQPYQYGDYSIFVAEIASTTNENILTDYLLANTNDPEMKKYILSQYLEGFKGTIFRQTQFAEFENWIHEQGQLGKS  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1      FTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQI  475
consensus                                      ** * !!! !!!!*!!*!!!!!!!!!!!!!* !!    !*  *  !! *!!*!!!!!*!!!!!!!!!!* !!!    !

logo
NTDB id 1045186 ACEPSR RS06120 WP 395319091.1  LTADVMSEKYKAINEKYYGDEIISDPEIAIEWSRIPHFYYDFYVYQYATGFGAASTLAEKISSGNQAAIDAYLNYLKSGS  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1      LTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGS  555
consensus                                      !!!! !   !  *!!!!!       *!!  !! !!!!!!  *!!!!!!!!!!*!!! !!!!! *!     *!!! !!! !!
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logo
NTDB id 1045186 ACEPSR RS06120 WP 395319091.1  SDTPINIMKRAGVDMTNSQYLEAAFAKFSQRMDELEKLIEA.....   601
NTDB id 480 HSISS4 RS02090 WP 002890133.1      SDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                      !! !* **!*!!!!!!!* !!*!!!  !  !* !!! !*! *****
```

X non conserved

X similar

X $\geq$ 50% conserved