logo

```
NTDB id 350770 EQG49 RS01705 WP 133362345.1  MSEVKQLPLREELPESQTWDLAKIYSTDEAWEAEYQAVEATFSDVAKYAGTLANSAATLLDATKALLELTRKIEKIYVYA  80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    .....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYA  75
consensus                                    *****  * ! *!*!  !!!!  !* !!  !! !!           !!!*!  !!  !! !!   * ! !**!!!!!!!
```

logo

```
NTDB id 350770 EQG49 RS01705 WP 133362345.1  SMKSDQDTANSKYQGYNAQAGALWAKVSGAIAFFEPEVIGIEPTTLAGFLAENAELAKYTHFFDQITQARGHVLSPSEEK  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEE  155
consensus                                    !!! !!!!    !! !*! !  !*  *! ! !*!!!! *****  !! !    * !* ! !*!* *   * !!!!*  !
```

logo

```
NTDB id 350770 EQG49 RS01705 WP 133362345.1  LLAGATDIFDASQNTFGVLDNADLKFGIVQDEDGNDVELSNGVYSKHLESTDRKVRKQAFDTLYATYDQFQHTFASTLSQ  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQG  235
consensus                                    !!!*! !!! **  !! !!!!!!* !* ! !  !  !!!**! *  **!! !! *!! !** *!*!!*!!!!!*! !!
```

logo

```
NTDB id 350770 EQG49 RS01705 WP 133362345.1  HTHGHNYLASVHNYDSARQSALAATTIPETVFETLVAQVNDHLPLLHRYVALRKKVLQLDELHTYDLYTPITGEASLSYD  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    VVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETET.ALT  314
consensus                                    * * !!! ! !**! !!!* !!!!  !!!*!***!*  !! !!!!!!!!* !!!!!! !!!!* !!*!!!**   **
```

logo

```
NTDB id 350770 EQG49 RS01705 WP 133362345.1  YEAAKAEALQALKPLGDDYLAIVQEAFDNRWIDVVENKGKRSGAYSGGAYDTDPYILLNWQDNLDNLFTLVHEMGHSVHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    YEESLKKAEEVLATFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHS  394
consensus                                    !!     !   ! * !**!  !* !!  !!!!!**!!!!!!!!!!!!!!!!! ***!!!!!! !!!!!!!!!! !!!*!!
```

logo

```
NTDB id 350770 EQG49 RS01705 WP 133362345.1  YYTRHNQPVQYGDYTIFLAEIASTSNENILTDYLLKTQTDPKVRAYVLNHYLDGFKGTVFRQTQFAEFEHWIHAEDAAGA  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    TFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQ  474
consensus                                     *!!* !!  !!!!*!!!!!!!!!*!!!!!!* !!!   !*! !  *!!!!!!!!!!!!!!!!!!!!!!!!! !!  !! !
```

logo

```
NTDB id 350770 EQG49 RS01705 WP 133362345.1  PLTADTMSAFYADLNKRYYGPALEFDDAIALEWARIPHFYYNYYVFQYATGMSAATTLAHNITTGVDGAVDAYKTYLKAG  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAG  554
consensus                                    *!!!! !   !!!!! *!! *  !    !  !! !!!!!! !!!!*!!!!!  !!* !!* ! *! *   *!! !!!!!!
```

logo

```
NTDB id 350770 EQG49 RS01705 WP 133362345.1  NSDFPIEVMKQAGVDMTKPDYLEEAFKVFEERLNELEALIG......  601
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS  601
consensus                                     !!*!*!!*!  !!!!!!  *!!!*  !!!!!!*!!  !!!!!*  ******
```

X non conserved

X similar

X ≥ 50% conserved