```
logo
NTDB id 986055 MHI58 RS05710 WP 282746884.1  MTSQNNNNHLPDRSEVKEENKWRLEDIFESVDSWNKEFEAVKKEIPKLAQFKGKLAHSADVLYEALTFQDQLSEKLGKLY   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ........MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIY   72
consensus                                    ********* * !*** !   !  !! *   !  !*!    ***!   * !*! *!!  !  !       !  *! !*!

logo
NTDB id 986055 MHI58 RS05710 WP 282746884.1  TYAHMKYDEDTTNSSFQALNDKASNLFTQLSSTSAYIVPEILSIQEDKLQQFILEKEELKLYSHALEEINKERPHILSEE  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    VYASMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQE  152
consensus                                     !!*!! ! !!!   *!  * !!!!!**!!!   !!  !! * * * !!  !    * ! !! !  ! *   **!*!! !

logo
NTDB id 986055 MHI58 RS05710 WP 282746884.1  QEALLAEASEPLSTSSTTFSMFNNADISFPSVKDENGEEKKITHGNFITFLNSDDREVRKNAFKAVYKTYDQYKNTLAST  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    AEELLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQT  232
consensus                                     ! !!! ! **   ** !! *  !!!! !! ! ! *!*   *!!!!!!! * ! !!**!! !* !*! !!*!* *! ! !

logo
NTDB id 986055 MHI58 RS05710 WP 282746884.1  LSGSIKKDNFYAKVRHYKSAREAALSRNSIPEEVYDNLIDTVHQYLPLLHRYIELRKKVLKLDEVHNYDLYTPLVKDAGM  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LQGVVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ET  311
consensus                                    ! ! *! *!* !!!!!! !!!*!!!  ! !!! !!! !***!* *!!!!!!!**!!!!!! !!!** !!*!!!!   *

logo
NTDB id 986055 MHI58 RS05710 WP 282746884.1  KLTYDEAKDYMLKGLAPLGEEYVSVLKEGLENRWVDVYENKGKRSGAYSSGSYGTNPYILMNWQNNIDNLFTLAHEFGHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ALTYEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHS  391
consensus                                     !!!*!         !!* !!!!   ** *   !!*!!**!!!!!!!!!! ! ! !!***!*!!!  *!!!!!! !! !!!

logo
NTDB id 986055 MHI58 RS05710 WP 282746884.1  VHSYYTRKHQPYPYGNYSIFVAEVASTTNEALLGEYLLNHLEDKKQRLYVLNHLLEGFRGTVFRQTMFAEFEHLIHVKAQ  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LHSTFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADA  471
consensus                                    *!! *!! *!!!*!! !*!!*!!*!!!!!! *! ! !! ** ! ! !  *!!! !*!!*!!!!!!! !!!!!! !!

logo
NTDB id 986055 MHI58 RS05710 WP 282746884.1  EGEALTPEFMTNLYYDLNKKYFGEGMVVDKEIGLEWTRIPHFYYNYYVYQYATGYSAAQALSKQILEEGKPAVERYTDFL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SGQILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYL  551
consensus                                     !  !!**!!  !! !!! !!*        !!  !! !!!!!! !!!!!!!!!!* !!  !   !**   *  ! !  *!
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logo
NTDB id 986055 MHI58 RS05710 WP 282746884.1  KAGSSDYPINVLKKAGVDMASKEPIEAACQLFEEKLKEMEELISKTGE..   608
NTDB id 480 HSISS4 RS02090 WP 002890133.1    KAGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                    !!!!!!!!* !*!!!!!!!   ****!!* *!!**! !*! !* !  ***
```

X non conserved

X similar

X $\geq$ 50% conserved