```
logo
NTDB id 239448 CFK40 RS16555 WP 089533510.1  MAKATKELPKRSELPKELTWDLEDIFATDEKWEQELKSLKQDIPQIEEYAGKLSDSAQALYDVLKLQDDLSQRLGKLFTY   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ......MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVY   74
consensus                                    ******  * !**!*   !!!!  !!!!!  !! !  !  !!**    !!!*! !!!  !     !  !  !! !** !

logo
NTDB id 239448 CFK40 RS16555 WP 089533510.1  AHMRNDEDTTNSFYQEMNAKAENVLTLASSSMSFLVPEILTIEESKLKQFQSEKEELALYKQTLDEITRQRAHVLSQKEE  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ASMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAE  154
consensus                                    !*!*!! !!!   !!! *!!! !* *  !    *  !! * *** !!  !    * !*!! *  * *  ** !!!!!  !

logo
NTDB id 239448 CFK40 RS16555 WP 089533510.1  ALLAEASEPIENASQTFGMLNNADLTFPAIKNEDGEEIDLTHGRYLGFLESKDRRVREDAFKAMYSTYGSFKNTFSSTLT  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ELLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQ  234
consensus                                     !!! ! **   ** !! *! !!!* !! *    !* **!!!! **  *!!!!! *!  !* !!! !!  ! *!*  !!

logo
NTDB id 239448 CFK40 RS16555 WP 089533510.1  GTIKKDNFNAKVRNYDSARHAALDGNNIPEQVYENLVEAVNDKIHLLHRYSALRKKVLELDELHMYDMYTPLVKNVEMKI  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    GVVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ETAL  313
consensus                                    ! *! *!**!!!!*! !!!!!!! *! !!! !!* !*! !! ** !!!!!  !!!!!! !!!!*!!!*!!!!   *!  *

logo
NTDB id 239448 CFK40 RS16555 WP 089533510.1  PYQKAQEHVVESLAPLGEEYVNIVKEGYKNRWIDVEENKGKRSGAYSSGAYGTNPYILLNWQDNVNDLFTLAHELGHSVH  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    TYEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLH  393
consensus                                    *!     *  ! !!* !!!!   !* **  !!!!!**!!!!!!!!!! !!! !!***!!!!!! *  !!!! !! !!!*!

logo
NTDB id 239448 CFK40 RS16555 WP 089533510.1  SYYTRKSQPFRYGNYSIFVAEVASTCNEALLNEYMLNHLEDEKEKLYLLNHFLEGFRGTVFRQTMFAEFEHDIHKRMQDG  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    STFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASG  473
consensus                                    ! *!! *!!* !! !*!!*!!*!!!*!! *! ! *! ** !*! *  *!!!*!*!!*!!!!!!! !!!!!! !!      !

logo
NTDB id 239448 CFK40 RS16555 WP 089533510.1  EALTADKLTEIYYALNKKYFGDEVVSDEEIGLEWSRIPHFYMNYYVFQYATGYSAATALASQILTDEDGTAVERYLNFLK  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGT.EEDKEAYLTYLK  552
consensus                                     !!!! *  *!  !! !!*         !!  !! !!!!!!!!!!!*!!!!!* !!* !!  !**  *    ! !! *!!
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logo

NTDB id 239448 CFK40 RS16555 WP 089533510.1   AGSSDFPIEVLKKAGVDMTSKQPILEALDVFEEKLEEMEKLLLK.....   604
NTDB id 480 HSISS4 RS02090 WP 002890133.1     AGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                     !!!!!*!*!!*!!!!!!!!   **  !  !!!**! !*! !* !*****
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X non conserved

X similar

X $\geq$ 50% conserved