```
logo
NTDB id 165295 AOX59 RS08445 WP 068444579.1  MANAAKELPKREEIPEERKWKLEDIFATDEEWEKELESLKKEFPSVEKFQGKIGDSAQNLYDVLKLQDELSERLGKMFTY   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ......MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVY   74
consensus                                    ******  * ! ***!   ! !  !!!!! *!! ! !!   * *    * !** !!! !!     !   ! !! !** !

logo
NTDB id 165295 AOX59 RS08445 WP 068444579.1  AHMRNDQDTTNSKYQAMESKAENVLTIAASSMSYIVPEILGIEENKLREFMEENEDLKFYEHVLDEINRQRPHVLNEREE  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ASMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAE  154
consensus                                    !*!*!!!!!!   !!    !! !* *       !  !! ***** !! !! !  * !  !*!  * *  ***!!!    !

logo
NTDB id 165295 AOX59 RS08445 WP 068444579.1  ALLAEASEPMSSASNTFSMLNNADLSFPTIKNEDGEDVDLTHGRYIGFMESGDREVRKSAFKAMYNTYDKFINTFASTLT  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ELLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQ  234
consensus                                     !!! ! **   ** !! *! !!!* !! *    !* !*!!!! *!  !!! !!**!! !* !!! !!* ! *!*! !!

logo
NTDB id 165295 AOX59 RS08445 WP 068444579.1  GTVKTDNFNAKIRNYDSARQAALDSNNIPETVYDNLVEAVNERLPLLHRYMRLRKEVLDLDELHMYDIYTPLVKDADMNI  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    GVVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ETAL  313
consensus                                    ! !! *!**!!*!*! !!!*!!!   ! !!!*!!! !*! !! *!!!!!!!* !!! !! !!!!*!!!*!!!!   **  *

logo
NTDB id 165295 AOX59 RS08445 WP 068444579.1  SYEQAQQYVLNGLKPLGDDYVSVLKKGFESRWIDVDENKGKRSGAYSSGAYGTHPYILLNWQDKLNDLFTLSHELGHSLH  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    TYEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLH  393
consensus                                    *!!          ! * !**!   ** *!  !!!!!**!!!!!!!!!! !!! !****!!!!!! !  !!!! !! !!!!!

logo
NTDB id 165295 AOX59 RS08445 WP 068444579.1  SYYTHKTQPFRYGNYSIFVAEVASTTNEALLNDYLLKNVDDEKQKLYLLNHYLEGFRGTVFRQTMFAEFEHEIHKRMQNG  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    STFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASG  473
consensus                                    !  *!* !!!* !!  !*!!*!!*!!!!!! *! * !!! ! !*! *  *!!!!!*!!*!!!!!!! !!!!!! !!     !

logo
NTDB id 165295 AOX59 RS08445 WP 068444579.1  EAMTAESLTAIYHDLNKKYYGEDVVSDEEIGKEWARIPHFYMNYYVYQYATGYSAATTLANNILNGEEGAVDRYLDFLKA  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKA  553
consensus                                      *!!* *  *!*!!! !!!         !!  !! !!!!!!!!!!!!!!!!!* !!* !!  !**! !   * !! *!!!
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logo
                                                  GSSDYPIEVLKKAGVDMTAKAPILSALDVFEEKLNEMEELLLK.....
NTDB id 165295 AOX59 RS08445 WP 068444579.1       GSSDYPIEVLKKAGVDMTAKAPILSALDVFEEKLNEMEELLLK.....   603
NTDB id 480 HSISS4 RS02090 WP 002890133.1         GSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                         !!!!!!*!!*!!!!!!!!    **   !   !!!**! !*! !* !*****
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X non conserved

X similar

X $\geq$ 50% conserved