


```
NTDB id 163797 AUQ45 RS05740 WP 011054652.1  MTDNRSHLEEKYTWDLSTIFATDKDWEAEVSDLATEIDAAKDFSGHLLDSSANLLTITDTYLELARRVEKVYVYAHMKND  80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATFLYMSLMRRLEKIYVYASMKND  80
consensus                                    !*!!!*!!!!!!!!!!*!!!!!! !!! !       **   !   *  !!!!!!  !!!   !* !*  !  !!*!!*!!!!*!!!!
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NTDB id 163797 AUQ45 RS05740 WP 011054652.1  QDTTVAKYQEYQAKASGLYAKFSEVFSFYDPEVMALSQEDYQAFLAETPDLKRYHHFFDKLFQTRDHVLSQAEEELLAGA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                    !!!!!* !!!!!!!!!! !!   !! !  ***!! !!!       !    ! !  !*!*!**!    *!!!!!!  !!!!!*!
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NTDB id 163797 AUQ45 RS05740 WP 011054652.1  QEIFNGAEETFSILDNADIVFPVVKNDKGEDVELTHGNFISLMESKDRSIRQAAYEAMYSTYEQFQHTYAKTLQTNVKVQ  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                     *!!!!* *!! *!!!!!!*!! !    !* !!!!!!!!!*!!!!!!! !! *!!!!!! !!!!!!!!!! !!!   !!!*
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NTDB id 163797 AUQ45 RS05740 WP 011054652.1  NYKARVHKYDSARQAAMAANFIPEAVYDTLLETVNKHLPLLHRYLKLRQEVLGLDDLKMYDVYTPLSETDLAIGYDEALE  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                    !!  !*!**!  !!!*!!*!!!!!!! !!!*!!!*!!!!!!!!!!!!! !!  !!!!!*!!!!!!!!!!!!!* !*  !*!  !
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NTDB id 163797 AUQ45 RS05740 WP 011054652.1  KAEKVLAVFCKDYADRVHRAFTERWIDVHVNKGKRSGAYSGGSYDTNAFMLLNWQDTLDNLYTLVHETGHSLHSTFTRET  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                    !!! !!!*!! *!   !! !!!!!!!!!!*!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!! !
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NTDB id 163797 AUQ45 RS05740 WP 011054652.1  QPYVYGDYSIFLAEIASTTNENIMTEALLNEVQDEKERFAILNHYLDGFRGTVFRQTQFAEFEHAIHQADQKGEVLTSEY  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                    !!!!!!!!*!!!!!!!!!!!!!!!*!! !! !! !*! !!!!!!!!!!!!*!!!!!!!!!!!!!!!!! !!   !  *!!  **
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NTDB id 163797 AUQ45 RS05740 WP 011054652.1  LNQLYADLNEKYYGLSKKDNHFIQYEWARIPHFYYNYYVYQYATGFAAASYLADKIVHGTQDDIDHYLAYLKSGNSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                    *! !!!!!!!!!! !   !!* !!*!! !!!!!! !!!!!!!!!!!!!!!!!!*!!!!!! *! **!! !!! ! !!!!!
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logo 

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NTDB id 163797 AUQ45 RS05740 WP 011054652.1   EVIAKAGVDMAKGDYLEAAFKVFDERLTELEVLVSKGIHKS   601
NTDB id 480 HSISS4 RS02090 WP 002890133.1     EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                     !!! !!!!!!   !!!*!!!!!!**!! !!! !! !!*! !
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X non conserved

X similar

X ≥ 50% conserved