```
logo
NTDB id 1127302 FGL04 RS07165 WP 138068707.1  MADNRSHLEEKYTWDLTTIFDSDQRWQAEVNDLKIDLEKAQTLAGHLLDSAKNLLETTEIQLDLSRRIEKVYVYAHMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1     MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                     ! !!!*!!!!!!!!!!!!!! *!  !  !     !! !!  !!!!!!!!!!!!  !!* * ! !!*!!*!!!!*!!!!

logo
NTDB id 1127302 FGL04 RS07165 WP 138068707.1  QDTTVAKYQEYQSKASALYARLSEVFSFYEPEFMTILPSQFDNFLKEEPRLEDYHHFFEKLLKNKEHVLSQAEEELLAGA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1     QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                     !!!!!* !!!!! !!! !!  !!! ! **!!!!! * *     !   !! !  !*!*!!*!! !!*!!!!!  !!!!!*!

logo
NTDB id 1127302 FGL04 RS07165 WP 138068707.1  QEIFNGAEETFGLLDNADIQFPITKGEKGQEIEITHGNFIHLMESKDRQVRQAAYEALYSTYEQFQHTYAKTLQTNVKVN  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1     GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                      *!!!!* *!! *!!!!!! !! *    !  *!*!!!!!!*!!!!!!! *! *!!!!*! !!!!!!!!!! !!!   !!!*

logo
NTDB id 1127302 FGL04 RS07165 WP 138068707.1  NYKARVHHYTSARQAAMVANFIPETVYDTLLEVVNRKLPLLHQYLELRKKILGLETLKMYDVYTPLSQTDLSVNYDQALE  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1     NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                     !! !*!*!! !!!*!!* !!!!!!*!!!*!!! !!**!!!!! !!*!!!!*!!!* !!!!!!!!!!! !*  * !*  !

logo
NTDB id 1127302 FGL04 RS07165 WP 138068707.1  KAEEVLSIFGKEYSDYVHQAFSERWIDVHVNKGKISGAYSGGSYDTKAFMLLNWQGNLDNLYTLVHETGHSLHSTLTRKN  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1     KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                     !!!!!! !!! !!!  !! !!*!!!!!!!*!!!! !!!!!!! !!! !!!!!!!  !!!!*!!!!!!!!!!!!! !!

logo
NTDB id 1127302 FGL04 RS07165 WP 138068707.1  QPYVYGDYSIFLAEIASTTNENILTEALLKDVTDEKERFAILNNYLDGFRGTIFRQSQFAEFEHAIYQADQAGDVLTSDY  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1     QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                     !!!!!!!!*!!!!!!!!!!!!!!!!!  !!!*!  !*!  !!!!!!*!!!!!*!!*!!!*!!!!!!!!!* !!   ! *!! !*

logo
NTDB id 1127302 FGL04 RS07165 WP 138068707.1  LNNLYGQLNEKYYGLAKEDNYYIQYEWARIPHFYYNYYVYQYATGFAAASYLANKIVHGQQKDIDNYLSYLKAGNSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1     MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                     *! !!* !!!!!! !  !!!! !!*!! !!!!!! !!!!!!!!!!!!!!!!!!! !!!!!   ! * !!*!!!!! !!!!!
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logo
                                                  NVIAKKAGVDMTNEVYLEDAFTIFEERLTDLEALVEKGVHL.   600
NTDB id 1127302 FGL04 RS07165 WP 138068707.1      NVIAKKAGVDMTNEVYLEDAFTIFEERLTDLEALVEKGVHL.   600
NTDB id 480 HSISS4 RS02090 WP 002890133.1         EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                          !! !!!!!!!!  !!* !! *!!*!! *!!!!!!!!!!!!*
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X non conserved

X similar

X $\geq$ 50% conserved