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logo

NTDB id 977659 MGAS37839 RS05760 WP 010922425.1  MTDNRSHLEEKYTWDLSTIFATDKDWEAEVSDLATEVEASKGFAGHLLDSSANLLKVTKTYLELARRVEKVYVYAHMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1        MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                        !*!!!*!!!!!!!!!!*!!!!!! !!! !      **    **!!!!!!! !!!   !  !* ! !!*!!*!!!!*!!!!

logo

NTDB id 977659 MGAS37839 RS05760 WP 010922425.1  QDTTVAKYQEYQAKASGLYAKFSEVFSFYDPEVMMLHQEDYQAFLTETPELKVYNHFFDKLFQAREHVLSQAEEELLAGA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1        QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALLDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                        !!!!!* !!!!!!!!!! !!   !! ! ***!! ! !*      !    ! ! *! !*!**!   **!!!!!  !!!!!*!

logo

NTDB id 977659 MGAS37839 RS05760 WP 010922425.1  QEIFNGAEETFSILDNADIVFPVVKNDKGEDVELTHGNFISLMESKDRSVRQAAYEAMYSTYEQFQHTYAKTLQTNVKVQ  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1        GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                         *!!!!* *!! *!!!!!!*!! !    !* !!!!!!!!!*!!!!!!! *! *!!!!!! !!!!!!!!!! !!!   !!!*

logo

NTDB id 977659 MGAS37839 RS05760 WP 010922425.1  NYKARVHKYDSARQAAMAANFIPEAVYDTLLETVNKHLPLLHRYLKLRQEVLGLDDLKMYDVYTPLSETDLAIGYDEALE  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1        NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                        !! !*!**! !!!*!!*!!!!!!! !!!*!!!*!!!!!!!!!!!!! !!  !!!!!*!!!!!!!!!!!!!* !* !*! !

logo

NTDB id 977659 MGAS37839 RS05760 WP 010922425.1  KAEKVLAVFGKDYADRVHRAFTERWIDVHVNKGKRSGAYSGGSYDTNAFILLNWQDTLDNLYTLVHETGHSLHSTFTRET  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1        KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                        !!! !!!*!! *!   !! !!!!!!!!!!*!!!!!!!!!!!! !!!!!!*!!!!!!!!!!*!!!!!!!!!!!!!!! !

logo

NTDB id 977659 MGAS37839 RS05760 WP 010922425.1  QPYVYGDYSIFLAEIASTTNENIMTEALLNEVQDEKERFAILNHYLDGFRGTVFRQTQFAEFEHAIHQADQKGEVLTSEY  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1        QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                        !!!!!!!!*!!!!!!!!!!!!!!!*!! !! !! !*! !!!!!!!!!!!!*!!!!!!!!!!!!!!!! !!   ! *!! **

logo

NTDB id 977659 MGAS37839 RS05760 WP 010922425.1  LNQLYADLNEKYYGLSKKDNHFIQYEWARIPHFYYNYYVYQYATGFAAASYLADKIVHGTQDDIDHYLAYLKSGNSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1        MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                        *! !!!!!!!!!! !   !!* !!*!! !!!!!! !!!!!!!!!!!!!!!!!!!*!!!!!! *! **!! !!! ! !!!!!
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logo
                                                  EVIAKAGVDMEKGDYLEAAFKVFDERLTELEVLVSKGIHKS
NTDB id 977659 MGAS37839 RS05760 WP 010922425.1  EVIAKAGVDMEKGDYLEAAFKVFDERLTELEVLVSKGIHKS   601
NTDB id 480 HSISS4 RS02090 WP 002890133.1        EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                        !!! !!!!!!   !!!*!!!!!!**!! !!! !! !!*! !
```

X non conserved

X similar

X $\geq$ 50% conserved