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logo
NTDB id 1138467 DQM47 RS03440 WP 111695806.1  MTDNRSHLEEKYTWDLSTIFATDKDWEAEVSDLATEVEASKGFAGHLLDSSANLLKVTKTYLELARRVEKVYVYAHMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1     MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                     !*!!!*!!!!!!!!!!*!!!!!! !!! !       **    **!!!!!!! !!!   !  !* ! !!*!!*!!!!*!!!!

logo
NTDB id 1138467 DQM47 RS03440 WP 111695806.1  QDTTVAKYQEYQAKASGLYAKFSEVFSFYDPEVMMLHQEDYQAFLTETPELKVYNHFFDKLFQAREHVLSQAEEELLAGA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1     QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                     !!!!!* !!!!!!!!!! !!   !! ! ***!! ! !*      !    ! ! *! !*!**!   **!!!!!  !!!!!*!

logo
NTDB id 1138467 DQM47 RS03440 WP 111695806.1  QEIFNGAEETFSILDNADIVFPIVRNDKGENVELTHGNFISLMESKDRSVRQAAYEAMYSTYEQFQHTYAKTLQTNVKVQ  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1     GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                      *!!!!* *!! *!!!!!!*!! !    !* !!!!!!!!!*!!!!!!! *! *!!!!!! !!!!!!!!!! !!!   !!!*

logo
NTDB id 1138467 DQM47 RS03440 WP 111695806.1  NYKARVHKYDSARQAAMAANFIPEAVYDTLLETVNKHLPLLHRYLKLRQEVLGLDDLKMYDVYTPLSETDLAIDYDEALE  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1     NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                     !! !*!**! !!!*!!*!!!!!!! !!!*!!!*!!!!!!!!!!!! !!  !!!!!*!!!!!!!!!!!!!* !* !*! !

logo
NTDB id 1138467 DQM47 RS03440 WP 111695806.1  KAEKVLAVFGKDYADRVHRAFTERWIDVHVNKGKRSGAYSGGSYDTNAFMLLNWQDTLDNLYTLVHETGHSLHSTFTRET  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1     KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                     !!! !!!*!! *!   !! !!!!!!!!!!*!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!  !

logo
NTDB id 1138467 DQM47 RS03440 WP 111695806.1  QPYVYGDYSIFLAEIASTTNENIMTEALLNEVQDEKERFAILNHYLDGFRGTVFRQTQFAEFEHAIHQADQKGEVLTSEY  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1     QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                     !!!!!!!!*!!!!!!!!!!!!!!!*!! !! !! !*! !!!!!!!!!!!!*!!!!!!!!!!!!!!!!!! !!   ! *!! **

logo
NTDB id 1138467 DQM47 RS03440 WP 111695806.1  LNQLYADLNEKYYGLSKDDNHFIQYEWARIPHFYYNYYVYQYATGFAAASYLADKIVHGTQDDIDHYLVYLKSGNSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1     MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                     *! !!!!!!!!!!! !   *!!* !!*!! !!!!!! !!!!!!!!!!!!!!!!!!!!*!!!!!! *! **!! !!! ! !!!!!
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logo

NTDB id 1138467 DQM47 RS03440 WP 111695806.1  EVIAKAGVDMTKGDYLEAAFKVFDERLTELEVLVSKGIHKS   601
NTDB id 480 HSISS4 RS02090 WP 002890133.1     EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                     !!! !!!!!!!  !!!*!!!!!!**!! !!! !! !!*! !
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X non conserved

X similar

X $\geq$ 50% conserved