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logo
NTDB id 409104 GP482 RS01665 WP 158913360.1  MSDNRSHIDEKYKWDLSTVFATDETWEAELAKLDADLEDAKKYKGHLTESSKDLLAITEHYLDLSRRLEKVYVYASMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                    !!!!!*!**!!! !!!*!*!!!!  !! !     !!  !  ! !!! *! ! !!* !!*!* ! !!!!!*!!!!!!!!!

logo
NTDB id 409104 GP482 RS01665 WP 158913360.1  QDTTVAKYQEYQAKATALYAKYSEVFAFYEPELMQLSAEEFAAFVAETPALSAYAHFFEQLFKRQAHVLSQKEELLAGA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                    !!!!!* !!!!!!!!!* !!   !! !!**!!! ! !     ! !    !*!  ! !*!! !      !!!!!  !!!!!*!

logo
NTDB id 409104 GP482 RS01665 WP 158913360.1  HEIFGAAGETFEILDNADIVFPVVLDDEGNEVQLTHGNFISLLESKNRDVRKAAYEAMYATYEQFQHTYAKTLQTNVKVH  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                    **!! ** *!! *!!!!!!*!! ! !  !  ! !!!!!!!*!*!!! !!*!!*!!!!!!*!!!!!!!!!! !!!   !!!!

logo
NTDB id 409104 GP482 RS01665 WP 158913360.1  NYDARVHHFKSAREAALSANFIPEAVYDTLIDRVNAHLPLLHRYVELRKKVLKLDDLKMYDIHTPLSEMDMSFTYEEALK  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                    !! !*!*!* !!!*!!! !!!!!! !!!*!** !! !!!!!!!!**!!!!!! !!*!!!!!**!!!!! *   !!!! !!

logo
NTDB id 409104 GP482 RS01665 WP 158913360.1  KAEEVLAVFGKDYFERVHRAFTERWIDVHVNKGKRSGAYSGGSYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTREN  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                    !!!!!!!*!! *!   !! !!!!!!!!!!*!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 409104 GP482 RS01665 WP 158913360.1  QPYVYGDYSIFLAEIASTTNENILTETLLKEVDDDKARFAILNHFLDGFKGTIFRQAQFAEFEDMIHKADQAGEVLTSEY  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                    !!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!! !!! !!!!!!!*!!!!!!!*!!! !!!!!!* !! !!   ! *!! **

logo
NTDB id 409104 GP482 RS01665 WP 158913360.1  LNNLYADLNEKYYGLSKEDNPEIQYEWARIPHFYYNYYVYQYATGFAAASYLADKVVHGTQVDIDRYLDYLKAGNSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                    *! !!!!!!!!!! !  !!!*!!!*!! !!!!!! !!!!!!!!!!!!!!!!!!*!*!!!!  ! * !! !!!!! !!!!!
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logo

NTDB id 409104 GP482 RS01665 WP 158913360.1  NVIEKAGVDMTSSDYLDAAFKIFEDRLNELEALVEKGAHL.   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