```
logo
NTDB id 1120135 EL100 RS00245 WP 126404005.1  MVKQRNEIDEKYQWDLSTIFATDQAWEEEATALAAAIKDAAHFAGSLLSSPANLLETTEVYLDLSRRLEKVYVYAHMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1     MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                     !  *! ***!!! !!!*!!!!!!  !! !       *! ! **!!*!! !* !!!  !!*!* ! !!!!!*!!!!*!!!!

logo
NTDB id 1120135 EL100 RS00245 WP 126404005.1  QDTRVAKYQEFQSKAMSLYSFLGETFAFYEPEFMEITEEQYANFLKEVPALEAYAHYFDKLLKTKEHVLSQKEEELLAGA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1     QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                     !!! !* !!!*! !!  !!! ! ! !!**!!!!! * *   ! !    !*!  ! !!!**!!  !*!!!!!  !!!!!*!

logo
NTDB id 1120135 EL100 RS00245 WP 126404005.1  GEIFAAAGETFEILDNADIVFPMVKDDQGQEVQLTHGNYISLVESKDRQVRKEAYQALYGVYEQYQHTYAKTLQTNVKVH  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1     GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                     !*!! ** *!! *!!!!!!*!! ! ! !!  ! !!!!!*!*!*!!!!! *!! !! !*!! !!!*!!!!! !!!  !!!!

logo
NTDB id 1120135 EL100 RS00245 WP 126404005.1  NYNAKVRKFSSAREAALSANFIPESVYDSLVEAVNKHLPLLQRYVKLRSKILGIEDLKMYDVYTPLSSTDYKFTYEEALA  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1     NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                     !!*!!!!** !!!*!!! !!!!!!!!!!!!!*! !!!!!!!!*!!* !! !*!!***!!!!!!!!!!! !*   !!!! !

logo
NTDB id 1120135 EL100 RS00245 WP 126404005.1  KSEQALAVLGDDYLSRVKRAFTERWIDVHVNQGKRSGAYSGGSYDTNAFMLLNWQDTLDNLFTLVHETGHSMHSSYTRET  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1     KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                     ! !  !!* !**!   !* !!!!!!!!!!*! !!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!**!! !

logo
NTDB id 1120135 EL100 RS00245 WP 126404005.1  QPYVYGDYSIFLAEIASTTNENILTEQLLAEVEDDETRFAILNHFLDGFRGTVFRQTQFAEFEHAIHKADQEGQVLTSEF  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1     QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                     !!!!!!!!*!!!!!!!!!!!!!!!!!! !! !! !! !!!!!!!!*!!!!!*!!!!!!!!!!!!!!!!!! !!   !!*!! *!

logo
NTDB id 1120135 EL100 RS00245 WP 126404005.1  LNELYADLNEKYYGLSKEDNSEIQYEWARIPHFYYNYYVFQYSTGFAAASALAEKIVHGTQEDKDKYIEYLKAGNSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1     MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                     *! !!!!!!!!!!! !  !!! !!!*!! !!!!!! !!!!*!! !!!!!!! !!!!!!!!!! !!!* !* !!!!! !!!!!
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logo                                                  NVIRKAGVDMEKEDYLHAAFEVFERRLNEFEALVEKLGLA.   600
NTDB id 1120135 EL100 RS00245 WP 126404005.1          NVIRKAGVDMEKEDYLHAAFEVFERRLNEFEALVEKLGLA.   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