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logo
NTDB id 1137698 DQM73 RS03815 WP 032908209.1  MAKQRNEIEEKYTWDLSTIFPTDEAFEAELAQVSEEVKKAASLAGHLLDSADSLLTTTEVQLNLMRRIEKLYSYAHMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1     MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                     !  *! **!!!!!!!*!!!*!!  *! !      **!!!   !!!!!!!!  !!  !!* * !!!!*!!*! !!*!!!!

logo
NTDB id 1137698 DQM73 RS03815 WP 032908209.1  QDTRVAKYQEYQAKGMTLYSDFGQSFAFYEPEFMAITEEQYQAFLAEKPALQLYQHYFDKLLKKKAHILTQREEELLAGA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1     QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                     !!! !* !!!!!!!*  !!!     !!**!!!!!!* *     !    !*! !! !!!**!!  ! !*!*!  !!!!!*!

logo
NTDB id 1137698 DQM73 RS03815 WP 032908209.1  GEIFGAAGETFSILDNADIVFPIVHDEDGNEVQLSHGNYITLVESKNREVRKEAYEALYRVYEQYQHTYAKTLQTNVKVH  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1     GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                     !*!! ** *!! *!!!!!!*!! !*!  !  ! !*!!!*!!!*!!! !**!! !!!!*!  !!!*!!!!! !!!  !!!!

logo
NTDB id 1137698 DQM73 RS03815 WP 032908209.1  NYNAKVRKFSSAREAALSADFIPESVYDSLVSAVNKHLPLLQRYIALRAKILGISDLKMYDMYTPLSETDYKFTYEEALA  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1     NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                     !!*!!!!** !!!*!!! ! !!!!!!!!!!*  !!!!!!!!*!!* !! !*!!* *!!!!!*!!!!!!!*   !!!! !

logo
NTDB id 1137698 DQM73 RS03815 WP 032908209.1  KSEEVLAILGEDYLSRVKTAFSERWIDVHENQGKRSGAYSGGSYDTNAFMLLNWQDTLDNLFTLVHETGHSMHSSYTRET  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1     KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                     ! !!!!!! !!*!   !* !!*!!!!!!!*! !!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!**!! !

logo
NTDB id 1137698 DQM73 RS03815 WP 032908209.1  QPYVYGDYSIFLAEIASTTNENILTEKLLEEVEDDATRFAILNHFLDGFRGTVFRQTQFAEFEHAIHKADQEGQVLTGEF  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1     QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                     !!!!!!!!*!!!!!!!!!!!!!!!!!! !! !! !! !!!!!!!!*!!!!!*!!!!!!!!!!!!!!!!!! !!   !!*!!**!

logo
NTDB id 1137698 DQM73 RS03815 WP 032908209.1  LNELYADLNEKYYGLKKEDNPQIQYEWARIPHFYYDYYVFQYSTGFSAASALAEKIVHGSQEDKDKYLDYLKAGNSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1     MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                     *! !!!!!!!!!!! !! !!!* !!*!! !!!!!!  !!!*!! !!! !!! !!!!!!!!* !!!* !! !!!!! !!!!!
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logo
                                                  NVIKKAGVDMEKEDYLNAAFAVFERRLDEFEALVEKLGLA.   600
NTDB id 1137698 DQM73 RS03815 WP 032908209.1      NVIKKAGVDMEKEDYLNAAFAVFERRLDEFEALVEKLGLA.   600
NTDB id 480 HSISS4 RS02090 WP 002890133.1         EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                          !!!!!!!!!   !!! !!! !!! !! ! !!!!!!  * *
```

X non conserved

X similar

X $\geq$ 50% conserved