```
logo

NTDB id 1129387 GPW48 RS02175 WP 012775295.1  MKKNRKLTLIASIVLGTLLIWFAVFVRLPYYLESPGGAADIRQVLTVNNQIDQEDGSYNFTYVSVQQATALQLFAAQFDP   80
NTDB id 360 SMU RS02495 WP 002262039.1        MKTNKKFKWWLISGISLILLLMVFFFPLPYYLEMPGGAYDIRSVVTVNHKEDKEKGSYNFVAVSLSKATPIQVLYAWLTP   80
consensus                                     !! !*!        *  *!*    ! *!!!!!! !!!! !!! !*!!!*  ! ! !!!!!  !!*  !!**!*  !   !

logo

NTDB id 1129387 GPW48 RS02175 WP 012775295.1  YTTVRSSEEMTGGADNEEYFRIARFYMETSQNMAKYQGLTLAGKEVNLDFFGVYVLALTDDSTFKKVLNIADTVVSINGK  160
NTDB id 360 SMU RS02495 WP 002262039.1        FTEITSAKETTGGVSDADYMRINQFYMETSQNGAIYKALSLAHKKASFNYMGVYVLQVSRNSTFKGVLNIADTVTGVNDK  160
consensus                                     *! * !  ! !!!    *! !!  !!!!!!!! ! ! *!*!!*!     * !!!!! **  !!!! !!!!!!!!  *! !

logo

NTDB id 1129387 GPW48 RS02175 WP 012775295.1  TFESSPDLIKYVSGLEVGSDVTVGYISAGQEKSADGKIIKLSNGKNGIGITLVDHTEVQSSIPIDFQTGDIGGPSAGLMF  240
NTDB id 360 SMU RS02495 WP 002262039.1        TFHSSKELIKYVSGLKLGSKVSVQYTSENKKKTAKGKVIKLSNGKNGIGIGLVDHTKVTSDDKIEFSTNGIGGPSAGLMF  240
consensus                                     !!*!!**!!!!!!!! *!! !*! ! !    !*! !!*!!!!!!!!!!!! !!!!! ! !  *!*! !  !!!!!!!!!!

logo

NTDB id 1129387 GPW48 RS02175 WP 012775295.1  TLAIYTQLAEPDLRDGRIIAGTGTIEQDGKVGDIGGADKKVISAAKSGASIFFVPNNPVDVEVLKKNPKAKTNYEEAKEA  320
NTDB id 360 SMU RS02495 WP 002262039.1        TLDIYDQLVKEDLRKGRIIAGTGTIGEDGSVGDIGGADMKVAAADRINADIFFVPNNPVSKATLKKNPKALTNYQEAKQA  320
consensus                                     !! !! !!  *!!! !!!!!!!!!!  !! !!!!!!!! !!  ! *  ! !!!!!!!!!    !!!!!!! !!! !!! !

logo

NTDB id 1129387 GPW48 RS02175 WP 012775295.1  AEKAGLDIEVVPVKTVQEAIDYLKKTKGE  349
NTDB id 360 SMU RS02495 WP 002262039.1        AKKLGTKMKIVPVKNVQEAIDYLRKH...  346
consensus                                     ! ! !  * *!!!! !!!!!!!!*!****
```

X non conserved

X similar

X $\geq$ 50% conserved