```
logo

NTDB id 1081168 UPTC5089 RS06015 WP 410708374.1  MNIFINLPTWLGDAVMASVAIYAIKEKYPQAKFTFYGSFVSTELFKRFENAQILVENKKQRYRQILQARKNLGKFDLAFS   80
NTDB id 1241 Cj1148 YP 002344539.1               MKIFIHLPTWLGDTVMASPALYTIKEHFKDAQFILYGSFVSTALFKEFPNSKIIIENKLSRYKQALSLRKELGKIDLSFA   80
consensus                                        ! !!!*!!!!!!! !!!!*!*! !!!*** ! !  !!!!!!! !!! !*!  !**!!!  !!*! !  !! !!! !! !

logo

NTDB id 1081168 UPTC5089 RS06015 WP 410708374.1  FRSAFSSKIVLNLIKTKKRFYFDKNILKEEHQVLKYLNFIEKALNFKATSNALKLPIKA........KSTQKILGINPGA  152
NTDB id 1241 Cj1148 YP 002344539.1               FRSAFSSKIILHILKTKQRYFFDKNKYKEEHQVLKYLYFIENSLSIKAHFKDLKLPFKLKFQNPLILRNGKKILGLNPGA  160
consensus                                        !!!!!!!!!*!***!!! !**!!!!  !!!!!!!!!! !!!  !  !!*   !!!! ! *********   !!!!*!!!!

logo

NTDB id 1081168 UPTC5089 RS06015 WP 410708374.1  HFGSAKRWEASYFARVAKEFSSTHQILIFGVE.SEREICDEIEHFLLKEGIKAKNLCGKTSIYTLCKNISMLDLLITNDS  231
NTDB id 1241 Cj1148 YP 002344539.1               SFGSAKRWDASYFAKVALNFSQSHDILIFGAGKAEQELCNEIYGILKEQNIKVKNLCNKTTIKTLCQNIAFCDLFITNDS  240
consensus                                        *!!!!!!!*!!!!!*!!  !! *! !!!!!  * ! !*! !! * !    !! !!!! !!*! !!! !!  *!! !!!!!

logo

NTDB id 1081168 UPTC5089 RS06015 WP 410708374.1  GPMHIGAAYGVKTVAVFGSTKFSQTSPWQE.NAKIAHLNLACMPCMQKVCPLKHHKCMKDLKPEVVINLARNFSGV...  306
NTDB id 1241 Cj1148 YP 002344539.1               GPMHLSAVYKVKTVAIFGPTKFTQTSPWQNENAKLVHLDLACMPCMQKTCPLKHHKCMKDLKPEKVIEQAKNLLKNSHL  319
consensus                                        !!!!* ! ! !!!!!*!!*!!!*!!!!!! *!!!* !! !!!!!!!!! !!!!!!!!!!!!!!! !!  !*!    ***
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X non conserved

X similar

X $\geq$ 50% conserved