


```
NTDB id 25387 EFER RS05370 WP 000705595.1  MKITSISICVLFGIFPLTLLPTLPGFPVIAILFVTACVLALIPRQPLRYLALTLLFFLWGILAAKQITWPSEVLPTAIQE  80
NTDB id 1439 BW25113 RS04735 WP 000705764.1  MKITTVGVCIISGIFPLLILPQLPGTLTLAFLTLFACVLAFIPVKTVRYIALTLLFFVWGILSAKQILWAGETLTGATQD  80
consensus                                  !!!!** *!** !!!!! *!! !!! * *! ! * !!!!! !!  **!!*!!!!!!!*!!!! !!!! !* ! !* ! !*
```




```
NTDB id 25387 EFER RS05370 WP 000705595.1  AQVLITGTDHMTTHYGQITHLSGKRVFPAPGIVLYGQYLPGEVCAGQRWLMKLKVRAVHGQLNDGGFDSQRYALAQHQPL  160
NTDB id 1439 BW25113 RS04735 WP 000705764.1  AIVEITATDGMTTHYGQITHLQGRRIFPASGLVMYGEYLPQAVCAGQQWSMKLKVRAVHGQLNDGGFDSQRYAIAQHQPL  160
consensus                                  !  ! !!*!!*!!!!!!!!!!!  !*!*!!!*!*!*!! !!!  !!!!! !  !!!!!!!!!!!!!!!!!!!!!!*!!!!!!
```




```
NTDB id 25387 EFER RS05370 WP 000705595.1  TGRFLNATAIDARCSLRAEYLASLTQTLANYLWKPVILGLGMGERLSIPQEIKRIMRDTGTAHLMAISGLHIAFAAVLAA  240
NTDB id 1439 BW25113 RS04735 WP 000705764.1  TGRFLQASVIEPNCSLRAQYLASLQTTLQPYPWNAVILGLGMGERLSVPKEIKNIMRDTGTAHLMAISGLHIAFAALLAA  240
consensus                                  !!!!!*!* !** !!!!! !!!!!   !!  *!*!  *!!!!!!!!!!!!*!  !!! !!!!!!!!!!!!!!!!!!!!!*!!!
```




```
NTDB id 25387 EFER RS05370 WP 000705595.1  GIIRGMQFLLPAQRIFWQVPLIGGVGCAIFYAWLTGMQPPALRTVVALTVWGMLKISGRQWSGWDVWLCCLAAILITDPI  320
NTDB id 1439 BW25113 RS04735 WP 000705764.1  GLIRSGQIFLPGRWIHWQIPLIGGICCAAFYAWLTGMQPPALRTMVALATWGMLKLSGRQWSGWDVWICCLAAILLMDPV  320
consensus                                  !*!!  !  !!*  !*!!*!!!!!**!! !!!!!!!!!!!!!!!!*!!!  !!!!!*!!!!!!!!!!!*!!!!!!!* !!*
```




```
NTDB id 25387 EFER RS05370 WP 000705595.1  AILSDSLWLSAFAVAALIFWYQWCPLPSLSLPRLLRPFVSLVHLQIGITLLLLPVQIVIFHGLSLSSLIANLFAVPLVTF  400
NTDB id 1439 BW25113 RS04735 WP 000705764.1  AILSQSLWLSAAAVAALIFWYQWFPCPEWQLPPVLRAVVSLIHLQLGITLLLMPVQIVIFHGISLTSFIANLLAIPLVTF  400
consensus                                  !!!! !!!!!! !!!!!!!!!!!!*!*!  !!**!!* !!!*!!!*!!!!!!*!!!!!!!!!*!!*!  !!!! !*!!!!!
```




```
NTDB id 25387 EFER RS05370 WP 000705595.1  ISVPLILAGMVIHLTGPQVLEQGLWYLADYSLAILFRALELLPGGWVNISEQWRWLAFSPWPGLLIWRLNAWRAVPFLGL  480
NTDB id 1439 BW25113 RS04735 WP 000705764.1  ITVPLILAAMVVHLSGPLILEQGLWFLADRSLALLFWGLKSLPEGWINIAECWQWLSFSPWFLLVVWRLNAWRTLPAMCV  480
consensus                                  !*!!!!!!*!!*!!*!! *!!!!!!*!!! !!!*!! *!  !! !!*!! !*!  !! !!!!* !**!!!!!!! *!  *!*
```




```
NTDB id 25387 EFER RS05370 WP 000705595.1  SGIILLSWPLWRAPRIDIWQVHMLDVGQGLAMVIERNGKAILYDTGLAWPGGDSGQQLIIPWLRWHNLQPEGIILSHEHL  560
NTDB id 1439 BW25113 RS04735 WP 000705764.1  AGGLLMCWPLWQKPRPDEWQLYMLDVGQGLAMVIARNGKAILYDTGLAWPEGDSGQQLIIPWLHWHNLEPEGVILSHEHL  560
consensus                                  ! *!**!!!!  !!*! !!**!!!!!!!!!!!!! !!!!!!!!!!!!!!! !!!!!!!!!!!!*!!!! !!!*!!!!!!!
```



```
NTDB id 25387 EFER RS05370 WP 000705595.1   DHRGGLDSLLKIWPEMWVRSPLGWQSHLPCIRGETWQWQGLNFSAHWPLKVDSEQGNNRSCVVKIDDGKQSILLTGDIEA  640
NTDB id 1439 BW25113 RS04735 WP 000705764.1 DHRGGLDSILHIWPMLWIRSPLNWEHHQPCVRGEAWQWQGLRFSAHWPLQGSNDKGNNHSCVVKVDDGTNSILLTGDIEA  640
consensus                                   !!!!!!!!*!*!!! *!*!!!! ! *! !!*!!! !!!!!! !!!!!!!     * !!!*!!!!!*!!! *!!!!!!!!!!
```



```
NTDB id 25387 EFER RS05370 WP 000705595.1   PAEQKMLSHYWQYLAATIIQVPHHGSNTSSTLPLLQRVNGSVALASASRYNAWRLPSWKVKQRYLKQEYQWLDTPHSGQI  720
NTDB id 1439 BW25113 RS04735 WP 000705764.1 PAEQKMLSRYWQQVQATLLQVPHHGSNTSSSLPLIQRVNGKVALASASRYNAWRLPSNKVKHRYQLQGYQWIDTPHQGQT  720
consensus                                   !!!!!!!!*!!! * !!**!!!!!!!!!!!*!!!*!!!!! !!!!!!!!!!!!!!!! !!!*!!   ! !!!*!!!! !!
```



```
NTDB id 25387 EFER RS05370 WP 000705595.1   TVDFSPQSWQISSMREQILPRWYHQWFGVSEDNG  754
NTDB id 1439 BW25113 RS04735 WP 000705764.1 TVNFSAQGWRISSLREQILPRWYHQWFGVPVDNG  754
consensus                                   !! !!*! ! !!!*!!!!!!!!!!!!!!!!* !!!
```

X non conserved

X similar

X ≥ 50% conserved