

```
NTDB id 88856 ZV79 RS14965 WP 000029156.1    MSITTRGFSLLEVVLAMAIGSILLLGSARFLPALQREIWHNTRQLSLEDEIWQRTYTVAKHLQRAGYCHGHCTGEGLHLA   80
NTDB id 1442 BW25113 RS14690 WP 001144315.1  MPVKEQGFSLLEVLIAMAISSVLLLGAARFLPALQRESLTSTRKLALEDEIWLRVFTVAKHLQRAGYCHGICTGEGLEIV   80
consensus                                    !**   !!!!!!!**!!!! !*!!!! !!!!!!!!!!  * !! ! !!!!!! ! *!!!!!!!!!!!!!!!*!!!!!**
```



```
NTDB id 88856 ZV79 RS14965 WP 000029156.1    EQGQCVIVQWDGNNNGVWDTIPAKEADQTGFRMKDNVLETLRGATSCQGKGWEKMTDPNTVLITAFTVERRDITGFSPVL  160
NTDB id 1442 BW25113 RS14690 WP 001144315.1  GQGDCVIVQWDANSNGIWDREPVKESDQIGFRLKEHVLETLRGATSCEGKGWDKVTNPDAIIIDTFQVVRQDVSGFSPVL  160
consensus                                     !! !!!!!!!*! !!*!!  ! !! !! !!!*!**!!!!!!!!!!! !!!!*!*! !  **!  ! ! ! !**!!!!!!
```



```
NTDB id 88856 ZV79 RS14965 WP 000029156.1    MLHLRGASKAEPQTVIDAQYSVTGFNL   187
NTDB id 1442 BW25113 RS14690 WP 001144315.1  TVNMRAASKSEPQTVVNASYSVTGFNL   187
consensus                                     ***!*!!!! !!!!!* ! !!!!!!!!
```

X non conserved

X similar

X ≥ 50% conserved