```
NTDB id 384101 FZF10 RS10100 WP 149136329.1  MRAVLMAFVAGCWWLQQQAGLPSAWRWWWQALAGAIGVAALRYVVRCRHRRMAGEGSASVARVWMWRAVVVALACAAGFG  80
NTDB id 1426 RS RS05575 WP 011001070.1       MRALLIGFVAGCMALQTRPALAPVWQPALLGLACLLAMALLRRGA.............RLPR..LVPVMAVLAAACAGFG  65
consensus                                    !!!*!**!!!!!  !!   **!** ! *   *!!* ***! !!   ************ **!*** * * !  !**!!!!
```

```
NTDB id 384101 FZF10 RS10100 WP 149136329.1  WAAWRADSRMADWLEPALAGRDIELRGMVAGLPDVASQGTRFLFAVTGSQE.VRLPPRLLLSWRD.............  144
NTDB id 1426 RS RS05575 WP 011001070.1       WSDWRAQQRLSVVLAPAWEGKDIRATGVVAELPEVTEDATRFLFRIESSDAGDAVPPRVRLSWYGLRSWHERQREAEAAT  145
consensus                                    !  !!!  !*   ! !!  !*!!   !*!! !!*!   *!!!!! *  !  *  *!!!* !!!  ***************
```

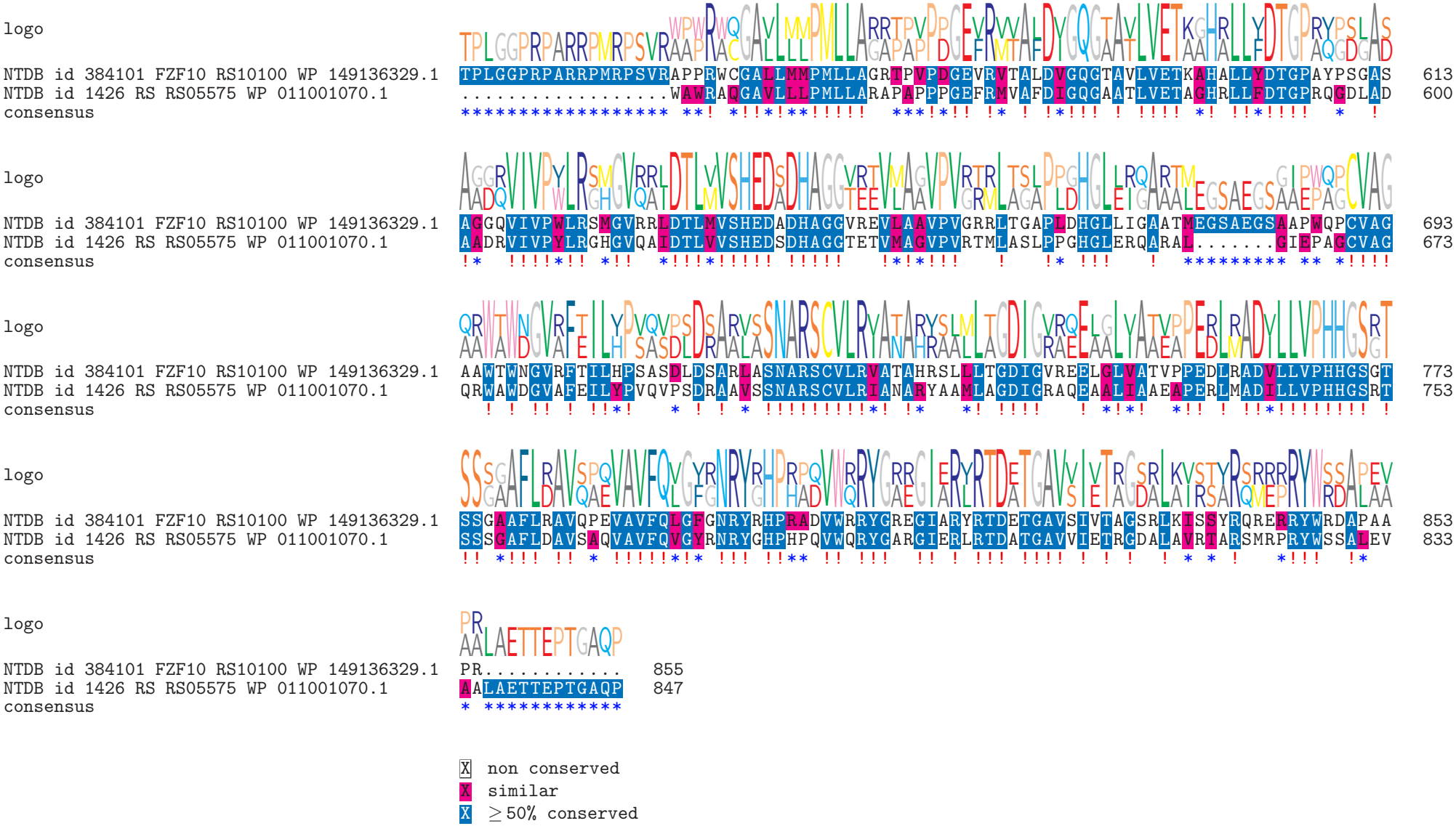
```
NTDB id 384101 FZF10 RS10100 WP 149136329.1  ....PPETLQPGQRYRLTVRLRRPRGLANPYGFDYAYWLLGEGIGAAGYVRAGALSE.....EVGPLPWAIRVQAWRAG  214
NTDB id 1426 RS RS05575 WP 011001070.1       DRRAGIPDLQPGQRWQLTLRLKRPHSLMNPGGFDGEYAMLADDVRAAGYVYTGKRARNALMGEADAGSGVGLRVERWRAA  225
consensus                                    ******* !!!!!!* !!*!!*!!* ! !! !!!  ! *!** * !!!!!  !     ******  ** * **!!  !!!*
```

```
NTDB id 384101 FZF10 RS10100 WP 149136329.1  LRDRLRAALPPDARFGAVLVALVIGDQRGIATEDWEVFRRTGISHLVSISGLHITMISGAAGALALALWRRSFGLGRRLR  294
NTDB id 1426 RS RS05575 WP 011001070.1       VRRHLLAAL.PEARYAPVIVALVVGDQSGIAQADWERFRRTGISHLVSISGLHITMIAGLFGALWMALWRRSFGLARWLR  304
consensus                                    *! *! !!!*!*!!***!*!!!!*!!! !!!  !!! !!!!!!!!!!!!!!!!!!!! !  !!! *!!!!!!!!!*! !!
```

```
NTDB id 384101 FZF10 RS10100 WP 149136329.1  RPLPLIWPAQQAALVVAVLTALGYGLIAGMQVPAMRTVSMLAVAALALWSGRAPPASVVLAWAGGVAVVIDPWAVMSPGF  374
NTDB id 1426 RS RS05575 WP 011001070.1       TPLPLRMPAQRAGAVAAMAAAFAYCLLAGMGVPAQRTLLMLATVAVARLADRSVPVSLSLCWAAALVALVDPWAVMSAGG  384
consensus                                     !!!!  !!! !* ! !*  ! *!*!*!!! !!! !!* !!!  !*!    ! *! !* !*!!***  **!!!!!!!*!
```

```
NTDB id 384101 FZF10 RS10100 WP 149136329.1  WLSFGAVAAIFLAARVEPVRRAKAEGRWQRARAVVAATLAGAARTQWAVTVGLVPLTLLLFGQVSVVSCLANAVAIPVVSL  454
NTDB id 1426 RS RS05575 WP 011001070.1       WLSFGAVAVIFLAARIVAADARDDVRRPAWPVRAWRGLRGAARVQLAVTFGLLPLTLLLFQQVSVVSAVANALAIPVVSF  464
consensus                                    !!!!!!!! !!!!!! *   !* * ! *  *      ! !!!! ! !!! !!*!!!!!!! !!!!!!**!!!*!!!!!!
```

```
NTDB id 384101 FZF10 RS10100 WP 149136329.1  LVTPLALAGAVLPAILARPLLAIAHTAMTWLSEALSWLAAPAWAIWEAAQPGPVWM.VLASAGVVLVLMPRKRAADLRAA  533
NTDB id 1426 RS RS05575 WP 011001070.1       VTTPLALMGTALPEPWSQPVLIWAEASFAWLMPWLDALALPGGSVWVAPAA.PAWAWGLAVVGVPLLLVPGGYRA.....  538
consensus                                    * !!!!! !  !! *   !*!  !*    !! * !  !! !* *! !* **! ! * !!  !!*!*!*!    !*****
```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NTDB id 1426 RS RS05575 WP 011001070.1 ..................WAWRAQGAVLLLPMLLARAPAPPPGEFRMVAFDIGQGAATLVETAGHRLLFDTGPRQGDLAD 600
consensus ****************** **! *!!*!**!!!!! ***!*!! !* ! !*!!! ! !!!! *! !!*!!!! * !
logo
NTDB id 384101 FZF10 RS10100 WP 149136329.1 AGGQVIVPWLRSMGVRRLDTLMVSHEDADHAGGVREVLAAVPVGRRLTGAPLDHGLLIGAATMEGSAEGSAAPWQPCVAG 693
NTDB id 1426 RS RS05575 WP 011001070.1 AADRVIVPYLRGHGVQAIDTLVVSHEDSDHAGGTETVMAGVPVRTMLASLPPGHGLERQARAL.......GIEPAGCVAG 673
consensus !* !!!!*!! *!! *!!!*!!!!! !!!!! !*!*!!! ! !* !!! ! ********* ** *!!!!
logo
NTDB id 384101 FZF10 RS10100 WP 149136329.1 AAWTWNGVRFTILHPSASDLDSARLASNARSCVLRVATAHRSLLLTGDIGVREELGLVATVPPEDLRADVLLVPHHGSGT 773
NTDB id 1426 RS RS05575 WP 011001070.1 QRWAWDGVAFEILYPVQVPSDRAAVSSNARSCVLRIANARYAAMLAGDIGRAQEAALIAAEAPERLMADILLVPHHGSRT 753
consensus ! ! !! ! !!*! * ! ! * !!!!!!!!!*! !* *! !!!! ! *!*! *!! ! !!*!!!!!!!! !
logo
NTDB id 384101 FZF10 RS10100 WP 149136329.1 SSGAAFLRAVQPEVAVFQLGFGNRYRHPRADVWRRYGREGIARYRTDETGAVSIVTAGSRLKISSYRQRERRYWRDAPAA 853
NTDB id 1426 RS RS05575 WP 011001070.1 SSSGAFLDAVSAQVAVFQVGYRNRYGHPHPQVWQRYGARGIERLRTDATGAVVIETRGDALAVRTARSMRPRYWSSALEV 833
consensus !! *!!! !! * !!!!!*!* !!! !!** !! !!! !! ! !!! !!!! ! ! ! ! * * ! *!!! !*
logo
NTDB id 384101 FZF10 RS10100 WP 149136329.1 PR............ 855
NTDB id 1426 RS RS05575 WP 011001070.1 AALAETTEPTGAQP 847
consensus * ************
X non conserved
X similar
X ≥ 50% conserved