```
NTDB id 1154746 OGY80 RS03005 WP 263337382.1  MAWRFVLPAWVVGVVLSFALPFVPPWWVWLAVIIGALALCRKFAVAWLVLAVCVGMAFGVWRTGLVLAAQWPVGEASAKV  80
NTDB id 1128 NGFG RS01490 WP 020997305.1      MFRRWFLPCWVVGVAVSFALSVVPHWPFWLAAFAVLAVLARRFAFAGLMLCVLAGAAYGVFRTEAALSSQWRAEAVSGVP  80
consensus                                     !  !* !!*!!!!! *!!!!* !! !* !!!       !*!*!! ! !*!*!* ! !*!!*!!   !  !!*    !* *
```

```
NTDB id 1154746 OGY80 RS03005 WP 263337382.1  LTVEVADMPRDDGRRVQFAARAWDERGQAFDLMLSDYQRRDWAVGSRWSVSARVRPVIGEVNARGLNRETWALANGIDGM  160
NTDB id 1128 NGFG RS01490 WP 020997305.1      LTVEVTDMPRSDGRRVQFAAKAVDSGGRTFDLLLSDYKRREWAVGSRWRITARVHPVVGELNLRGLNREAWALSNGVGGV  160
consensus                                     !!!!! !!!! !!!!!!!!!*! !  !  !!!*!!!! !!*!!!!!!! **!!!*!!*!!*! !!!!!! !!! !!* !*
```

```
NTDB id 1154746 OGY80 RS03005 WP 263337382.1  GTLGRDRKLMRQGGGFGLANMRDAVSRSWQGTADKYPEFSDGIGLMRALSIGEQSALRPPLWQAFRPLGLTHLVSISGLH  240
NTDB id 1128 NGFG RS01490 WP 020997305.1      GTVGADRVLLHGGSGWGIAVWRSRISRNWRQA.DADGGLSDGIGLMRALSVGEQSALRPGLWQAFRPLGLTHLVSISGLH  239
consensus                                     !!*! !! !** ! !*!*!  !  *!! !  *!  *  !!!!!!!!!!*!!!!!!!!*!!!!!!!!!!!!!!!!!!!!
```

```
NTDB id 1154746 OGY80 RS03005 WP 263337382.1  VTMVAVLFAWLIKRIFRYLPWIPAKPRVWILAGGVASALFYALLAGFSVPTQRSVLMLAAFAWAWWHGSGGSGWTAWWQA  320
NTDB id 1128 NGFG RS01490 WP 020997305.1      VTMVAVLFAWLAKRLLACSPRLPARPRAWVLAAGCAGALFYALLAGFSVPTQRSVLMLAAFAWAWRRGR.LSAWATWWQA  318
consensus                                     !!!!!!!!!!! !!*  * ! *!!*!! !*!!*!*! !!!!!!!!!!!!!!!!!!!!!!!!!!!!! *! * !*!  !!!!
```

```
NTDB id 1154746 OGY80 RS03005 WP 263337382.1  LAVVLLLDPLAVLGVGTWLSFGLVAALIWASSGRLKESGWRLAVRGQWAATVLSVVLLGYLFASLPLLSPLVNALAIPWF  400
NTDB id 1128 NGFG RS01490 WP 020997305.1      LAAVLLFDPLAVLGVGTWLSFGLVAALIWACAGRLYEGKRQTAVRGQWAASVLSLVLLGYLFASLPLVSPLVNAVSIPWF  398
consensus                                     !! !!! !!!!!!!!!!!!!!!!!!!!!* !!! !  !!!!!!!!*!!!*!!!!!!!!!!!*!!!!!!* !!!!
```

```
NTDB id 1154746 OGY80 RS03005 WP 263337382.1  SWVLTPLALLGSVFSFELVQLVAVFLAEYTLRGLVWLATVSPEFAVAAAPVPLLVLAMMAALLLLLPKGMGLKPWACLVL  480
NTDB id 1128 NGFG RS01490 WP 020997305.1      SWVLTPLALLGSVVPFAPLQQAGAFLAEYTLRFLVWLADVSPEFAVAAAPLPLLVLAVCAALLLLLPRGLGLRPWAVLLL  478
consensus                                     !!!!!!!!!!!!! *! **!  * !!!!!!!! !!!!! !!!!!!!!!!*!!!!!!**!!!!!!!!*!*!!*!!!*!*!
```

```
NTDB id 1154746 OGY80 RS03005 WP 263337382.1  LSFVFYRPAKLEEGVARVTVMDAGQGLSVLIQTRNRNLLFDTGTEQVAQTGIVPSLNAMGVRRLDSLILSHHDIDHDGGF  560
NTDB id 1128 NGFG RS01490 WP 020997305.1      AGFVSYRPEAVPENEAAVTVWDAGQGLSVLVRTANRHLLFDTGTVAAAQTGIVPSLNAAGVRRLDKLVLSHHDSDHDGGF  558
consensus                                       !! !!!  **!  ! !!! !!!!!!!!!* ! !!*!!!!!!!  !!!!!!!!!!! !!!!!! !*!!!!! !!!!!!
```

```
logo
```

```
NTDB id 1154746 OGY80 RS03005 WP 263337382.1   QSVAAVGTDKLLAGQPEFYPNAEFCQEDKWQWDGVDFELLRPSENAGKEDNDRSCVLRVVANGKALLITGDLGVKGEAGL   640
NTDB id 1128 NGFG RS01490 WP 020997305.1       QAVGKIPNGGIYAGQPEFYEGARHCAEQRWQWDGVDFEFLRPSERKNIDDNGKSCVLRVVAGGAALLVTGDLDTKGEESL   638
consensus                                      ! !* **   * !!!!!!!* ! *! ! *!!!!!!!!! !!!!!    *!! *!!!!!!!! ! !!!*!!!!  !!!  !
```

```
logo
```

```
NTDB id 1154746 OGY80 RS03005 WP 263337382.1   IEKYGNALYSQVLVLGHHGSSTASSGSFLHTVSPQYAVASSGYANAYKHPTVAVQNRVRAHGITLLRTDLSGALVFALGQ   720
NTDB id 1128 NGFG RS01490 WP 020997305.1       VGKYGGNLYSQVLVLGHHGSNTSSSGVFLNAVSPEYAVASSGYANAYKHPTEAVQNRVRAHGIKLLRTDLSGALQFGLGR   718
consensus                                      * !!!  !!!!!!!!!!!!! ! !!! !!* !!! !!!!!!!!!!!!!!!! !!!!!!!!!!! !!!!!!!!!! !*!!
```

```
logo
```

```
NTDB id 1154746 OGY80 RS03005 WP 263337382.1   DDIFQGRLKKDKFYWQKKPFE   741
NTDB id 1128 NGFG RS01490 WP 020997305.1       GGVKAQRLRVYKFYWQKKPFE   739
consensus                                        *   !!*  !!!!!!!!!!
```

X non conserved
X similar
X $\geq$ 50% conserved