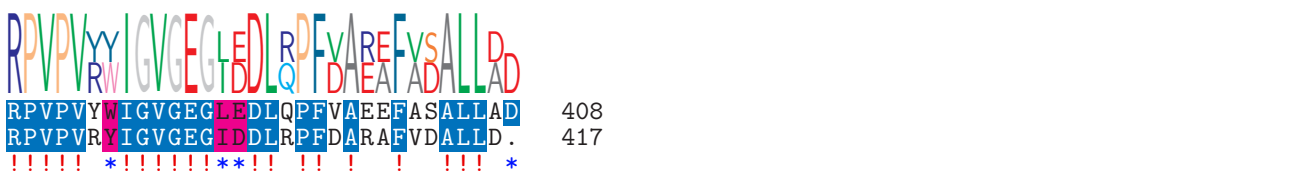
```
NTDB id 211352 BTL46 RS13860 WP 005015354.1  MFSFFKKKTPPPAAQASPAPPPEPVVQPAAPVSPPA.........VPSP....PPAAAPAVPVPPPAVHPAAP.....P   61
NTDB id 1118 NGFG RS11455 WP 003696286.1     MFSFFRRKKKQETPALEEAAQVQ....ETAAKVESEVAQIVGNIKEDVESLAESVKGRAESAVETVSGAVEQVKETVAEMP   76
consensus                                    !!!!!**!  *** *   *!******* *!!*! ** **********!*!******* ! *!!* ***!!**  ******!
```

```
NTDB id 211352 BTL46 RS13860 WP 005015354.1  VQPEPAASPVPAVPEPVAAPVVPPAPSPSATAPAAAAEPAAAPKKASWLNRLKQGLARTG....QSIGGIFVGVKVDENL  137
NTDB id 1118 NGFG RS11455 WP 003696286.1     SEAGEAAERVESAKEAVAET......VGEAVGQVQEAVATTEEHKLGWAARLKQGLAKSRDKMAKSLAGVFGGGQIGEDL  150
consensus                                      * *!! *!*  *!*!! ******* * !***   ! *   **!  !  !!!!!!** **** !**!*! !  * ! !
```

```
NTDB id 211352 BTL46 RS13860 WP 005015354.1  FEELESALIMADAGIEATEKLLTELRARVKKDRIEDAAQVKTALRQLLTQHLKPLERSFDLTR.TQPLVVMIAGVNGAGK  216
NTDB id 1118 NGFG RS11455 WP 003696286.1     YEELETVLITGDMGMEATEYLMKDVRGRVSLKGLKDGNELRGALKEALYDLIKPLEKPLVLPETKEPFVIMLAGINGAGK  230
consensus                                    *!!!!* !! *! !*!!!! !* **!*!!    * !*  ** !!*  !  **!!!** !* *  ! !*!*!!*!!!!!
```

```
NTDB id 211352 BTL46 RS13860 WP 005015354.1  TTSIGKLAHTFQRQGASVLLAAGDTFRAAAREQLVEWGTRNNVTVIAQEGGDPAAVAFDAVNAGRARGVGVVMIDTAGRL  296
NTDB id 1118 NGFG RS11455 WP 003696286.1     TTSIGKLAKYFQAQGKSVLLAAGDTFRAAAREQLQAWGGRNNVTVISQTTGDSAAVCFDAVQAAKARGIDIVLADTAGRL  310
consensus                                    !!!!!!!!* !! !! !!!!!!!!!!!!!!!!!!!  !! !!!!!!! !  !!*!!!*!!!!*!**!!!* *!* !!!!!!
```

```
NTDB id 211352 BTL46 RS13860 WP 005015354.1  PTQLHLMEELKKIRRVISKADAAAPHEVLLVVDGNTGQNALAQIRAFDAAIQLTGLVVTKLDGTAKGGTLAAVAAGSQGV  376
NTDB id 1118 NGFG RS11455 WP 003696286.1     PTQLHLMEEIKKVKRVLQKAIPGAPHEIIVVLDANIGQNAVNQVKAFDDALGLTGLIVTKLDGTAKGGILAALA....SD  386
consensus                                    !!!!!!!!!*!!**!!* !! **!!!!***!*!*! !!!!* !**!!! !* !!!!*!!!!!!!!!! !!!*!****
```




```
NTDB id 211352 BTL46 RS13860 WP 005015354.1  RPVPVYWIGVGEGLEDLQPFVAEEFASALLAD   408
NTDB id 1118 NGFG RS11455 WP 003696286.1     RPVPVRYIGVGEGIDDLRPFDARAFVDALLD.   417
consensus                                    !!!!! *!!!!!!**!! !! !  !  !!! *
```

X non conserved
X similar
X ≥ 50% conserved