```
logo

NTDB id 381663 FYA61 RS13915 WP 005015354.1  MFSFFKKKTPPPAAQASPAPPPEPVVQPAAPVSPPA..........VPSP....PPAAAPAVPVPPPAVHPAAP.....P   61
NTDB id 1118 NGFG RS11455 WP 003696286.1     MFSFFRRKKKQETPALEEAQVQ....ETAAKVESEVAQIVGNIKEDVESLAESVKGRAESAVETVSGAVEQVKETVAEMP   76
consensus                                    !!!!!**! *** *   *!******* *!!*! ** **********!*!******* ! *!!* ***!!**  ******!

logo

NTDB id 381663 FYA61 RS13915 WP 005015354.1  VQPEPAASPVPAVPEPVAAPVVPPAPSPSAIAPAAAAEPAAAPKKASWLNRLKQGLARTG....QSIGGIFVGVKVDENL  137
NTDB id 1118 NGFG RS11455 WP 003696286.1     SEAGEAAERVESAKEAVAET......VGEAVGQVQEAVATTEEHKLGWAARLKQGLAKSRDKMAKSLAGVFGGGQIGEDL  150
consensus                                      * *!! *!*  *!*!! ******* * !***   ! *   **!  !  !!!!!!** **** !**!*! !  * ! !

logo

NTDB id 381663 FYA61 RS13915 WP 005015354.1  FEELESALIMADAGIEATEKLLTELRARVKKDRIEDAAQVKTALRQLLTQHLKPLERSFDLTR.TQPLVVMIAGVNGAGK  216
NTDB id 1118 NGFG RS11455 WP 003696286.1     YEELETVLITGDMGMEATEYLMKDVRGRVSLKGLKDGNELRGALKEALYDLIKPLEKPLVLPETKEPFVIMLAGINGAGK  230
consensus                                    *!!!!* !! *! !*!!!! !* **!*!!    * !*  ** !!*  !  **!!!!**  !* *  ! !*!*!!*!!!!!

logo

NTDB id 381663 FYA61 RS13915 WP 005015354.1  TTSIGKLAHTFQRQGASVLLAAGDTFRAAAREQLVEWGTRNNVTVIAQEGGDPAAVAFDAVNAGRARGVGVVMIDTAGRL  296
NTDB id 1118 NGFG RS11455 WP 003696286.1     TTSIGKLAKYFQAQGKSVLLAAGDTFRAAAREQLQAWGGRNNVTVISQTTGDSAAVCFDAVQAAKARGIDIVLADTAGRL  310
consensus                                    !!!!!!!!* !! !! !!!!!!!!!!!!!!!!!!  !! !!!!!!! !  !!*!!!*!!!!*!**!!!* *!* !!!!!!

logo

NTDB id 381663 FYA61 RS13915 WP 005015354.1  PTQLHLMEELKKIRRVISKADAAAPHEVLLVVDGNTGQNALAQIRAFDAAIQLTGLVVTKLDGTAKGGTLAAVAAGSQGV  376
NTDB id 1118 NGFG RS11455 WP 003696286.1     PTQLHLMEEIKKVKRVLQKAIPGAPHEIIVVLDANIGQNAVNQVKAFDDALGLTGLIVTKLDGTAKGGILAALA....SD  386
consensus                                    !!!!!!!!!*!!**!!* !! **!!!!***!*!*! !!!!* !**!!! !* !!!!*!!!!!!!!!!! !!!*!****

logo

NTDB id 381663 FYA61 RS13915 WP 005015354.1  RPVPVYWIGVGEGLEDLQPFVAEEFASALLAD   408
NTDB id 1118 NGFG RS11455 WP 003696286.1     RPVPVRYIGVGEGIDDLRPFDARAFVDALLD.   417
consensus                                    !!!!! *!!!!!!**!! !! !  !  !!! *
```

X non conserved

X similar

X ≥ 50% conserved