```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 103979 QUE61 RS08845 WP 286306861.1   ..........................................................................................  0
NTDB id 1118 NGFG RS11455 WP 003696286.1      MFSFFRRKKKQETPALEEAQVQETAAKVESEVAQIVGNIKEDVESLAESVKGRAESAVETVSGAVEQVKETVAEMPSEAG  80
consensus                                     ********************************************************************************

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 103979 QUE61 RS08845 WP 286306861.1   ..................................................MFGLRKTLSSLFTRHRVDEAWFEHLEESLIK  31
NTDB id 1118 NGFG RS11455 WP 003696286.1      EAAERVESAKEAVAETVGEAVGQVQEAVATTEEHKLGWAARLKQGLAKSRDKMAKSLAGVFGGGQIGEDLYEELETVLIT  160
consensus                                     ************************************************   * !*!  *!  * * !  *!*!!  !!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 103979 QUE61 RS08845 WP 286306861.1   ADVGVSTSTALMTSLRKSAKQHSITNSEDLKAVLVDELSHLLGDLEPTENPLNPSAAHAKPEVWLIVGVNGAGKTTSIGK  111
NTDB id 1118 NGFG RS11455 WP 003696286.1      GDMGMEATEYLMKDVRGRVSLKGLKDGNELRGALKEALYDLI...KPLEKPLVL.PETKEPFVIMLAGINGAGKTTSIGK  236
consensus                                     *!*!*  *  !!  *!     * *    *!** ! * ! *!**** ! ! !! *** *  ! ! ** !*!!!!!!!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 103979 QUE61 RS08845 WP 286306861.1   LCHHFQAQGKSVLLAAGDTFRAAARNQLKEWGERNQVQVLSQESGDAGAIAHDAIQAALSRQVDVVLIDTAGRLATQANL  191
NTDB id 1118 NGFG RS11455 WP 003696286.1      LAKYFQAQGKSVLLAAGDTFRAAAREQLQAWGGRNNVTVISQTTGDSAAVCFDAVQAAKARGIDIVLADTAGRLPTQLHL  316
consensus                                     !***!!!!!!!!!!!!!!!!!!!!! !!  !! !!*! !*!! *!! *!***!!*!!!  ! *!*!! !!!!!!*!! *!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 103979 QUE61 RS08845 WP 286306861.1   MEELKKVKRVISKLIPDAPHQIVLVLDGNTGQNGISQVLAFRNAIGLHGLIITKLDGTAKGGVVCALGKELQNPSQTQGP  271
NTDB id 1118 NGFG RS11455 WP 003696286.1      MEEIKKVKRVLQKAIPGAPHEIIVVLDANIGQNAVNQVKAFDDALGLTGLIVTKLDGTAKGGILAALASDRPVPV.....  391
consensus                                     !!!*!!!!!!* ! !! !!! !**!!!*! !!!** !! !!  !*!!*!!!*!!!!!!!!!!***!!* * * ! *****

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 103979 QUE61 RS08845 WP 286306861.1   KTYVYALGKGEQLGDLELFSAKAYAQELVE  301
NTDB id 1118 NGFG RS11455 WP 003696286.1      ....RYIGVGEGIDDLRPFDARAFVDALLD  417
consensus                                     ****  *! !! * !! *! !*!*   !**
```

X non conserved

X similar

X ≥ 50% conserved