```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357051 Psal117 RS14840 WP 036817216.1   ..........................................................................................  0
NTDB id 1118 NGFG RS11455 WP 003696286.1        MFSFFRRKKKQETPALEEAQVQETAAKVESEVAQIVGNIKEDVESLAESVKGRAESAVETVSGAVEQVKETVAEMPSEAG  80
consensus                                       ********************************************************************************

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357051 Psal117 RS14840 WP 036817216.1   ..........................................MTTLLIGEKKIDDELLEDLETQLLM  25
NTDB id 1118 NGFG RS11455 WP 003696286.1        EAAERVESAKEAVAETVGEAVGQVQEAVATTEEHKLGWAARLKQGLAKSRDKMAKSLAGVFGGGQIGEDLYEELETVLIT  160
consensus                                       ******************************************************    * !   ! **! !*!!! !*

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357051 Psal117 RS14840 WP 036817216.1   ADVGIDATTHIITDLTKRLDRNELTDTQKAMEALKENLSSMLTPCSVPLEIPKSPDPFVILVVGVNGAGKTTTIGKLAKH  105
NTDB id 1118 NGFG RS11455 WP 003696286.1        GDMGMEATEYLMKDVRGRVSLKGLKDGNELRGALKEALYDLIKPLEKPLVLPETKEPFVIMLAGINGAGKTTSIGKLAKY  240
consensus                                       *!*!**!! *** !*  !*    ! ! *    !!!! !  ** !*  !! *! ***!!!!** !*!!!!!!!*!!!!!!*

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357051 Psal117 RS14840 WP 036817216.1   YQNQGKSVMLAAGDTFRAAAVEQLQVWGERNDIPVVAQHTGADSASVIFDAYNSAKAHGCDILIADTAGRLHTQSNLMEE  185
NTDB id 1118 NGFG RS11455 WP 003696286.1        FQAQGKSVLLAAGDTFRAAAREQLQAWGGRNNVTVISQTTG.DSAAVCFDAVQAAKARGIDIVLADTAGRLPTQLHLMEE  319
consensus                                       *! !!!!!*!!!!!!!!!!! !!!! !! !! **!* !*!!*!!! !*!!! * !!!*!*!!**!!!!!!! !! *!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357051 Psal117 RS14840 WP 036817216.1   LKKVKRVLGKVDNTAPHEVLLVLDSGTGQNAINQAEQFHHAVNVSGIVMTKLDGTAKGGVIFAIAKKMQLPIRYIGVGEK  265
NTDB id 1118 NGFG RS11455 WP 003696286.1        IKKVKRVLQKAIPGAPHEIIVVLDANIGQNAVNQVKAFDDALGLTGLIVTKLDGTAKGGILAALASDRPVPVRYIGVGEG  399
consensus                                       *!!!!!!! !  * !!!!***!!!   !!!!*!!   !**!* **!***!!!!!!!!!!** !*!   **!*!!!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357051 Psal117 RS14840 WP 036817216.1   IDDLRPFKSDEFIEALFG  283
NTDB id 1118 NGFG RS11455 WP 003696286.1        IDDLRPFDARAFVDALLD  417
consensus                                       !!!!!!!     !**!!
```

X non conserved

X similar

X $\geq$ 50% conserved