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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 113177 AFULGI RS01575 WP 148183415.1  ..........................................................................................  0
NTDB id 64 F7686 RS01490 WP 224732727.1       MREHSPGPVLRGADIRSIIGSVMSSEDTRGRRTTADEDPVRALLNRLERSGRETDKERTVTPSPMSSDTGPKAAPSSPGH  80
consensus                                     ********************************************************************************

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 113177 AFULGI RS01575 WP 148183415.1  ..........................................................................................  0
NTDB id 64 F7686 RS01490 WP 224732727.1       RDPFGILNRVRGMKEAGEAGEMEAEGPGSEDLPDGVISVEELGSLADLILPKSATFAVEELSINRNEHNFDFVDNARVVS  160
consensus                                     ********************************************************************************

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 113177 AFULGI RS01575 WP 148183415.1  ..............................MPTLRFSFKKKKEDEVPRRTAVFEIIKKGAKEEFLGEETYRTLSKRLSQEFEP  52
NTDB id 64 F7686 RS01490 WP 224732727.1       EFDDLFSQALSSTAFAEAAAEVASPSEEWPKPRFGFLQKLRPLRPEME..............IEEYNPAVHGPLLDLSMRP  227
consensus                                     ******************************! *!! !  !  ****   ************** !  *  * * !     !

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 113177 AFULGI RS01575 WP 148183415.1  PEGWIEVEGYPVYGRFVISSVHILYNEEDNEFIYHVNEPKLSEEEEKIVKNVIGRLEY.YAANPKEI..GDKVGTLKKKI  129
NTDB id 64 F7686 RS01490 WP 224732727.1       SPGVEEIELYPVNEPYA..YVRVIYDSATHEYTYCVLEPELTPAERELFLEIKERLFETLNITTRDLTREAARKALRDAA  305
consensus                                     **!  !*! !!!  ** ** !***!    *!* ! ! !! !** !  *   *  !!  *    ******      !*

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 113177 AFULGI RS01575 WP 148183415.1  DSILEAYRVNLEGSDYFRVLYHIFKRTILYGKITPIMYDPMIEDISCNGYGKYIYIFHRKYTNLRTNVIFDDPDELDSFV  209
NTDB id 64 F7686 RS01490 WP 224732727.1       NRIIADYGIHLDAVGREKVLYHVEKEFLGDGLIDPVMHDKYIEDISCDGVNCPIFVYHTTYESMKTNLLYHDAAELDSFV  385
consensus                                       !*   ! **!**    *!!!!* !  *  ! ! !*!*!* !!!!!! !  **!***!  !  **!!****!* !!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 113177 AFULGI RS01575 WP 148183415.1  VNLAQKCGKHISIAEPMVDATMPDGSRIQMTLGREVTDHGSTFTIRKFREEPVTPIDLIAWKTFSSEQMAYLWLCIENKK  289
NTDB id 64 F7686 RS01490 WP 224732727.1       AKLAQRAGKYISIAEPMLDATMSDGSRIQMTLGSEVTAHGSTFTIRKFREEPITPTDLIEWHTFSPLGIAFIWLAVENGK  465
consensus                                       !!!**!!*!!!!!!!*!!!!*!!!!!!!!!! !!! !!!!!!!!!!!!!!*!! !!! !*!!!*  *!**!!**!! !

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 113177 AFULGI RS01575 WP 148183415.1  SLIFAGGTASGKTTSMNAISLFIPRRSKIVTLEDTRELMLPHENWIPAVTRDAFHG.EKGAVDMYDLLRAALRQRPEYIL  368
NTDB id 64 F7686 RS01490 WP 224732727.1       SCIFAGGTASGKTTTLNAISLFIPPLAKIVTLEDTRELKLPHPNWIPSITRDSFSQDGRGEIDMYELLRAALRQRPEYIL  545
consensus                                     !*!!!!!!!!!!!!!**!!!!!!!!!*  !!!!*!!!!!! !!!*!!!! *!!! !* * *! *!!!*!!!!!!!!!!!!!*
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logo
NTDB id 113177 AFULGI RS01575 WP 148183415.1  VGEVRGREALTLFQAMATGHTTYSTLHADSISGAIHRLENPPIGVPRPMLEALDIISIQAQTYVGDRRVRRNMEIAEIVG   448
NTDB id 64 F7686 RS01490 WP 224732727.1       VGEVRGREALTLFQAMSTGHVTYATMHADSVASAVHRLENPPINVPRNMLSALSLMSIQVQARVGGQRIRRNKQLIEILD   625
consensus                                     !!!!!!!!!!!!!!!! !!! !! !*!!!!*  !*!!!!!!!! !!!*!! !! **!!! !  !!  !*!!!  * !!*

logo
NTDB id 113177 AFULGI RS01575 WP 148183415.1  LDAHTKMLRTSTVFQWDSVKDEHAMVGTSKALEEIRRQRGWSVRELNEELERRRRVLEFMLSNGIRMFKDVSAVIHTYQV   528
NTDB id 64 F7686 RS01490 WP 224732727.1       IDPRTNELITNEVFRWHPATDEIRYSCKSYILEQIMEDRGWSEERMQEELKRRQEVLEWMRIKKIRHFRDVSKVLVSYFR   705
consensus                                     *!**!  ! !  !! !**  !!*   ! !  !! !   !!!!   **!!! !!  !!!*!    !!*!*!!! !***!

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NTDB id 113177 AFULGI RS01575 WP 148183415.1  NPERAMKRLGVEEL........   542
NTDB id 64 F7686 RS01490 WP 224732727.1       DPEGVIERVRSDLYGGMVRQHE   727
consensus                                      !!  * !*  *  ********
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X non conserved

X similar

X $\geq$ 50% conserved