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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 124576 KPR0928 RS26040 WP 004151504.1  MSGRLLDAVPLSSLTGVGAAQSSKLAKIGLHTVQDLLLHLPLRYEDRTHLYPIAELLPGVYATVEGEVLNSNITFGGRRM   80
NTDB id 1106 NGFG RS01495 WP 003687645.1       ...............................MKKILLTVSL...................................GLAL   14
NTDB id 1102 NMB RS03635 WP 002244053.1        ...............................MKKILLTVSL...................................GLAL   14
consensus                                                                      ****!!***!                                  !***

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 124576 KPR0928 RS26040 WP 004151504.1  MTCQISDGTGILTMRFFNFNNAAMKNSLATGRRVLAYGEAKRGKYGAEMIHPEYRVQGDMSTPELQETLTPVYPTTEGIKQ  160
NTDB id 1106 NGFG RS01495 WP 003687645.1       SACATQ.GTADK.......DAQITQDWSV...EKLYAEAQD.....ELNSSNY.....TRAVKLYEILESRFPTSRHARQ   73
NTDB id 1102 NMB RS03635 WP 002244053.1        SACATQ.GTVDK.......DAQITQDWSV...EKLYAEAQD.....ELNSSNY.....TRAVKLYEILESRFPTSRHAQQ   73
consensus                                      **!***  !!***       *!********   ***!*!!**     !******!     *****!*!*!****!!*****!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 124576 KPR0928 RS26040 WP 004151504.1  ATLRKLTDQALELLETCAISELLPPELAQGMMSLPEALRTLHRPPPSLQLSELESGKHPAQQRLILEELLAHNLSMLALR  240
NTDB id 1106 NGFG RS01495 WP 003687645.1       SQLDTAY....AYY.........KDDEKDKALAAIERFRRLHPQHPNMDYALYLR.......................   115
NTDB id 1102 NMB RS03635 WP 002244053.1        SQLDTAY....AYY.........KDDEKDKALAAIDRFRRLHPQHPNMDYALYLR.......................   115
consensus                                      **!****    ***         ***************!*!!***!*********

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 124576 KPR0928 RS26040 WP 004151504.1  AGAQRYHALPLGANDTLKNQLLASLPFKPTGAQARVTAEIEHDMALDVPMMRLVQGDVGSGKTLVAALAALRAIVHGKQV  320
NTDB id 1106 NGFG RS01495 WP 003687645.1       ......................................................................................   115
NTDB id 1102 NMB RS03635 WP 002244053.1        ......................................................................................   115
consensus

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 124576 KPR0928 RS26040 WP 004151504.1  ALMAPTELLAEQHANNFRNWFEPLGIEVGWLAGKQKGKARQAQQEAIASGEVQMIVGTHAIFQEQVQFNGLALVIIDEQH  400
NTDB id 1106 NGFG RS01495 WP 003687645.1       ..................................................................GL..VLFNEDQ   124
NTDB id 1102 NMB RS03635 WP 002244053.1        ..................................................................GL..VLFNEDQ   124
consensus                                                                                                          !!  !***!**

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 124576 KPR0928 RS26040 WP 004151504.1  RFGVHQRLALWEKGQQQGFHPHQLIMTATPIPRTLAMTAYADLDTSIIDELPPGRTPVTTVAIPDTRRSDIIDRVRNACT  480
NTDB id 1106 NGFG RS01495 WP 003687645.1       SFLN...................................................................................   128
NTDB id 1102 NMB RS03635 WP 002244053.1        SFLN...................................................................................   128
consensus                                      *!**
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logo
NTDB id 124576 KPR0928 RS26040 WP 004151504.1  HEGRQAYWVCTLIEESDLLEAQAAEATWEELKLALPELNIGLVHGRMKPAEKQAVMQAFKQGEMHLLVATTVIEVGVDVP   560
NTDB id 1106 NGFG RS01495 WP 003687645.1       ......................KLASQDWSDRD................PKANREAYQAFAE.............LVQRFP   158
NTDB id 1102 NMB RS03635 WP 002244053.1        ......................KLASQDWSDRD................PKANREAYQAFAE.............LVQRFP   158
consensus                                                            **!***!****                !*******!!!**             *****!

logo
NTDB id 124576 KPR0928 RS26040 WP 004151504.1  NSSLMI......IENPERLGLAQLHQLRGRVGRGAVASHCVLLYKSPLSKTAQKRLQVLRDSNDGFVIAQKDLEIRGPGE   634
NTDB id 1106 NGFG RS01495 WP 003687645.1       NSKYAADATARMVKLVDALGGNEMSVARYYMKRGAY..............................IAAAN....RAKK   203
NTDB id 1102 NMB RS03635 WP 002244053.1        NSKYAADATARMVKLVDALGGNEMSVARYYMKRGAY..............................IAAAN....RAQK   203
consensus                                      !!*****************!!*******!****!!!*                              !!***    ** *

logo
NTDB id 124576 KPR0928 RS26040 WP 004151504.1  LLGTRQTGN...AEFKVADLLRDQAMIPDVQRIARH.IHERYPLQAQALIERWMPETERYSNA..   693
NTDB id 1106 NGFG RS01495 WP 003687645.1       IIGSYQNTRYVEESLAILELAYKKLDKPQLAADTRRVLETNFP.KSPFLTHAWQPDDMPWWRYWH   267
NTDB id 1102 NMB RS03635 WP 002244053.1        IIGSYQNTRYVEESLAILELAYKKLDKPRLAADTRRVLETNFP.KSPFLKQPWRSDDMPWWRYWH   267
consensus                                      **!**!*************!*******! *****!*******! ****!    ! ***********
```

X non conserved

X similar

X $\geq$ 50% conserved