```
logo

NTDB id 413 AAK55817.1 141..845( )          .....MKKILIVDDEKPISDIIKFNMTKEGYEVVTAF.NGREALEQFEAEQPDIIILDLMLPEIDGLEVAKTIRKTSSVP   74
NTDB id 374 SMU RS06885 WP 002262930.1      .....MKKILIVDDEKPISDIIKFNLAKEGYDTITAF.DGREALSKYEEENPDLIILDLMLPELDGLEVAKEVRKNSHVP   74
NTDB id 185836 CDIF29637 RS03670 WP 009888460.1 MESIKDKKILVVDDHKELLKMIDEILRKEGFSRVFLASSYEEAVRVFRNVKPDCAILDVVLPDGDGFSIMRKIRETSKIP   80
NTDB id 372 SMU RS05280 WP 002262198.1      .MNYKEKKILILDDNPEILEMVQESLNIAGFNNLTGVQSKKEALEQLGKRSFDLAILDIMLPDGSGFEVLREIRKTSTIP   79
consensus                                    **!!!!**!!**** **** ** **!** **** ***!!***** ***!* !!!**!!***! ******!**!**!

logo

NTDB id 413 AAK55817.1 141..845( )          ILMLSAKDSEFDKVIGLELGADDYVTKPFSNRELQARVKALLRRSQPMPVDGQ.EADSKPQPIQIGDL.EIVPDAYVAKK   152
NTDB id 374 SMU RS06885 WP 002262930.1      IIMLSAKDSEFDKVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENASGIPEIIIGDL.QILPDAFVAKK   153
NTDB id 185836 CDIF29637 RS03670 WP 009888460.1 VIFLSARGEDEDRLIGLGLGADDYIVKPFLPKELTLRLVGILNRVYVPIEE......EELPVFKLGDSVVVNLNSACVEK   154
NTDB id 372 SMU RS05280 WP 002262198.1      VLFLSAVSDIEKQYQGFELGADDYIVKPFRPKELELRILSILKRAYPEKDD......TLI.....LPTCQVNFSQALITK   148
consensus                                   ** !!!**** ****!***!!!!!* !!!***!!  !****!*!**** **   *  * ** * **** **********!

logo

NTDB id 413 AAK55817.1 141..845( )          YGEELDLTHREFELLYHLASHTGQVITREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMRN   232
NTDB id 374 SMU RS06885 WP 002262930.1      RGTEVELTHREFELLHHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMKS   233
NTDB id 185836 CDIF29637 RS03670 WP 009888460.1 DGQEISLTAKEHSLLLKLYENKGRIVTNDSLCQAIWGDDMYGYENTLMVHVRRVREKIEKTPSTPKHLITVRGLGYKLMI   234
NTDB id 372 SMU RS05280 WP 002262198.1      GELEIQLTAKEYSILKVLYNNQNRIVTFDQLLEKVWGLQYQGYENTMMAHIRKIRQKIEANPSKPECLLTVKGLGYKLKV   228
consensus                                    * !**!!**!* *! *! **** **!***!****!!****!   !* ***!**!*!!!**!!*!****! *!*!! ***

   <0

logo

NTDB id 413 AAK55817.1 141..845( )          NA*   234
NTDB id 374 SMU RS06885 WP 002262930.1      YD.   235
NTDB id 185836 CDIF29637 RS03670 WP 009888460.1 N..   235
NTDB id 372 SMU RS05280 WP 002262198.1      S..   229
consensus                                   *
```

X non conserved

X similar

X ≥ 50% conserved