```
logo

NTDB id 372 SMU RS05280 WP 002262198.1        MNYKEKKILILDDNPEILEMVQESLNIAGFNNLTGVQSKKEALEQLGKRSFDLAILDIMLPDGSGFEVLREIRKTSTIPV   80
NTDB id 374 SMU RS06885 WP 002262930.1        ....MKKILIVDDEKPISDIIKFNLAKEGYDTITAF.DGREALSKYEEENPDLIILDLMLPELDGLEVAKEVRKNSHVPI   75
NTDB id 201312 BKM66 RS07050 WP 004298854.1   ....MKKILIVDDEKPISDIIKFNMTREGYEVVTAF.DGREALEVFEAEFPDIVILDLMLPELDGLEVARTIRKTSNVPI   75
NTDB id 413 AAK55817.1 141..845( )            ....MKKILIVDDEKPISDIIKFNMTKEGYEVVTAF.NGREALEQFEAEQPDIIILDLMLPEIDGLEVAKTIRKTSSVPI   75
NTDB id 606 V4T04 RS01910 WP 003130756.1      ..MTSKKILIIEDEKNLARFVSLELEHEGYATEIKD.NGRSGLEEATSKDYDLILLDLMLPELDGFEVARRLRKEKDTPI   77
NTDB id 471 HSISS4 RS01430 WP 002883757.1     ...MSKRILIVEDEKNLARFVSLELQHEGYDVVTAD.NGREGLEMALEKDFDLILLDLMLPEMDGFEVTRRLQQEKDTYI   76
consensus                                        !*!!!**!** * ***   *  *!** ***   ****!*       !***!!*!!!***! !!** *** * ***

logo

NTDB id 372 SMU RS05280 WP 002262198.1        LFLSAVSDIEKQYQGFELGADDYIVKPFRPKELELRILSILKRAYPEKDDT..........LILPTCQVNFSQALITKGE   150
NTDB id 374 SMU RS06885 WP 002262930.1        IMLSAKDSEFDKVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENASGIPEIIIGDLQILPDAFVAKKRG   155
NTDB id 201312 BKM66 RS07050 WP 004298854.1   LMLSAKDSEFDKVIGLEIGADDYVTKPFSNRELQARVKALLRRSELAETQ.TNIESTGTPELVIGDLVILPDAFVAKKHG   154
NTDB id 413 AAK55817.1 141..845( )            LMLSAKDSEFDKVIGLELGADDYVTKPFSNRELQARVKALLRRSQPMPVD.GQEADSKPQPIQIGDLEIVPDAYVAKKYG   154
NTDB id 606 V4T04 RS01910 WP 003130756.1      IMMTARDSTMDRVAGLDIGADDYITKPFAIEELLARVRAFFRREEHGHAV.ERAENTS.....FRDLVIDKTNRTVHRGK   151
NTDB id 471 HSISS4 RS01430 WP 002883757.1     MMMTARDSIMDIVAGLDRGADDYIVKPFAIEELLARIRATFRRQDIEAAKNAPAKAST.....YRDLKLDVQNRTVVRGD   151
consensus                                     ****!***  *** !***!!!!!**!!!  *!! *!*** **! *           *    * * ** *     *  *

logo

NTDB id 372 SMU RS05280 WP 002262198.1        LEIQLTAKEYSILKVLYNNQNRIVTFDQLLEKVWGLQYQGYENTMMAHIRKIRQKIEANPSKPECLLTVKGLGYKLKVS.   229
NTDB id 374 SMU RS06885 WP 002262930.1        TEVELTHREFELLHHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMKSYD   235
NTDB id 201312 BKM66 RS07050 WP 004298854.1   KELELTHREFELLHHLAKHLGQVMTREHLLETVWGYDYFGDVRTVDVTIRRLREKIEDTPSRPEYILTRRGVGYFIKGND   234
NTDB id 413 AAK55817.1 141..845( )            EELDLTHREFELLYHLASHTGQVITREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMRNNA   234
NTDB id 606 V4T04 RS01910 WP 003130756.1      KVIDLTRREYDLLLTLMQNVGDVVTREHLVSQVWGYEEGTETNVVDVYIRYLRNKI.DVEGQDSYIQTVRGLGYVMRERK   230
NTDB id 471 HSISS4 RS01430 WP 002883757.1     EAIPLTKREFDLLNTLLSNMNQVMTREELLLQVWKYDDAIETNVVDVYIRYLRGKI.DVPGKESYIQTVRGMGYVIREK.   229
consensus                                      ***!! *!***!   !    ****!***!** !!**** **  **** *!**! !!** ********! *!*!! **

   <0

logo

NTDB id 372 SMU RS05280 WP 002262198.1        .   229
NTDB id 374 SMU RS06885 WP 002262930.1        .   235
NTDB id 201312 BKM66 RS07050 WP 004298854.1   .   234
NTDB id 413 AAK55817.1 141..845( )            *   234
NTDB id 606 V4T04 RS01910 WP 003130756.1      .   230
NTDB id 471 HSISS4 RS01430 WP 002883757.1     .   229
consensus
```

X non conserved
X similar
X ≥ 50% conserved