```
logo

NTDB id 372 SMU RS05280 WP 002262198.1          MNYKEKKILILDDNPEILEMVQESLNIAGFNNLTGVQSKKEALEQLGKRSFDLAILDIMLPDGSGFEVLREIRKTSTIPV    80
NTDB id 413 AAK55817.1 141..845( )              ....MKKILIVDDEKPISDIIKFNMTKEGYEVVTAF.NGREALEQFEAEQPDIIILDLMLPEIDGLEVAKTIRKTSSVPI    75
NTDB id 1067659 ACFSN5 RS02515 WP 165209779.1  ....MKKILVVDDEKPISDIIKFNLIKEGYEVVTAF.DGKEALKQFENEKPDLIILDWMLPELEGLEVAKEIRKGSHVPI    75
NTDB id 374 SMU RS06885 WP 002262930.1          ....MKKILIVDDEKPISDIIKFNLAKEGYDTITAF.DGREALSKYEEENPDLIILDLMLPELDGLEVAKEVRKNSHVPI    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          LFLSAVSDIEKQYQGFELGADDYIVKPFRPKELELRILSILKRAYPEKDD..........TLILPTCQVNFSQALITKGE   150
NTDB id 413 AAK55817.1 141..845( )              LMLSAKDSEFDKVIGLELGADDYVTKPFSNRELQARVKALLRRSQPMPVDGQE.ADSKPQPIQIGDLEIVPDAYVAKKYG   154
NTDB id 1067659 ACFSN5 RS02515 WP 165209779.1  IMLSAKDSEFDKVIGLEIGADDYVTKPFSNRELLARIKAHLRRTETIETAVAEENSISDSELIIGDLQIVPDAFVAKKRG   155
NTDB id 374 SMU RS06885 WP 002262930.1          IMLSAKDSEFDKVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENASGIPEIIIGDLQILPDAFVAKKRG   155
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 413 AAK55817.1 141..845( )              EELDLTHREFELLYHLASHTGQVITREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMRNNA   234
NTDB id 1067659 ACFSN5 RS02515 WP 165209779.1  EELELTHREFELLHHLATHIGQVMTREHLLETVWGYDYFGDVRTVDVTIRRLREKIEDTPSRPEYILTRRGVGYYMKSYE   235
NTDB id 374 SMU RS06885 WP 002262930.1          TEVELTHREFELLHHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMKSYD   235
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 413 AAK55817.1 141..845( )              *   234
NTDB id 1067659 ACFSN5 RS02515 WP 165209779.1  .   235
NTDB id 374 SMU RS06885 WP 002262930.1          .   235
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