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logo

NTDB id 413 AAK55817.1 141..845( )      .....MKKILIVDDEKPISDIIKFNMTKEGYEVVTAF.NGREALEQFEAEQPDIIILDLMLPEIDGLEVAKTIRKTSSVP   74
NTDB id 374 SMU RS06885 WP 002262930.1  .....MKKILIVDDEKPISDIIKFNLAKEGYDTITAF.DGREALSKYEEENPDLIILDLMLPELDGLEVAKEVRKNSHVP   74
NTDB id 284355 DSM105001 RS03770 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 284355 DSM105001 RS03770 WP 009888460.1 VIFLSARGEDEDRLIGLGLGADDYIVKPFLPKELTLRLVGILNRVYVPIEE......EELPVFKLGDSVVVNLNSACVEK   154
NTDB id 372 SMU RS05280 WP 002262198.1  VLFLSAVSDIEKQYQGFELGADDYIVKPFRPKELELRILSILKRAYPEKDD......TLI.....LPTCQVNFSQALITK   148
consensus                               ** !!!**** ****!***!!!!!* !!!***!!  !****!*!**** **   *  * ** * **** **********!

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NTDB id 413 AAK55817.1 141..845( )      YGEELDLTHREFELLYHLASHTGQVITREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMRN   232
NTDB id 374 SMU RS06885 WP 002262930.1  RGTEVELTHREFELLHHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMKS   233
NTDB id 284355 DSM105001 RS03770 WP 009888460.1 DGQEISLTAKEHSLLLKLYENKGRIVTNDSLCQAIWGDDMYGYENTLMVHVRRVREKIEKTPSTPKHLITVRGLGYKLMI   234
NTDB id 372 SMU RS05280 WP 002262198.1  GELEIQLTAKEYSILKVLYNNQNRIVTFDQLLEKVWGLQYQGYENTMMAHIRKIRQKIEANPSKPECLLTVKGLGYKLKV   228
consensus                                * !**!!**!* *! *! **** **!***!****!!****!   !* ***!**!*!!!**!!*!****! *!*!! ***

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NTDB id 413 AAK55817.1 141..845( )      NA*   234
NTDB id 374 SMU RS06885 WP 002262930.1  YD.   235
NTDB id 284355 DSM105001 RS03770 WP 009888460.1 N..   235
NTDB id 372 SMU RS05280 WP 002262198.1  S..   229
consensus                               *
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X non conserved

X similar

X ≥ 50% conserved