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logo

NTDB id 413 AAK55817.1 141..845( )        MKKILIVDDEKPISDIIKFNMTKEGYEVVTAFNGREALEQFE.AEQPDIIILDLMLPEID GLEVAKTIRK...TSSVPIL   76
NTDB id 374 SMU RS06885 WP 002262930.1    MKKILIVDDEKPISDIIKFNLAKEGYDTITAFDGREALSKYE.EENPDLIILDLMLPELD GLEVAKEVRK...NSHVPII   76
NTDB id 54719 LEPTO7376 RS03575 WP 015132885.1 MKNALVVEDSKSEQKLVQALLEKMEIKVDIADNGEEALDWLKSNDQPDLILLDIVMPDMNGLELCREIRETLGYADIPII  80
NTDB id 1417 SGL RS04200 WP 014407071.1   MNAVLLVEDSSSQREMISGILKDHGWQVTIACDGVEALEKLQ.NFSPDLVVLDIVMPRMNGYEVCRRIKSDPKTKNVPVI   79
consensus                                 !***!*!*! *********** ******* !* !*!!!**** ***!!***!!***!** !*!*******   ** *!**
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logo

NTDB id 413 AAK55817.1 141..845( )        MLSAKDSEFDKVIGLELGADDYVTKPFSNRELQARVKALLRRSQPMPVDGQ.EADSKPQPIQIGDLEIVPDAYVAKKYGE  155
NTDB id 374 SMU RS06885 WP 002262930.1    MLSAKDSEFDKVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENASGIPEIIIGDLQILPDAFVAKKRGT  156
NTDB id 54719 LEPTO7376 RS03575 WP 015132885.1 FCSNKSEEFDRFWALRQGGNAYITKPYSPMDLIKTVKAHL.......................................  120
NTDB id 1417 SGL RS04200 WP 014407071.1   MCSSKGEEFDRFWGMRQGADAYIAKPFQPMELVGTIKQLLRN.......................................  121
consensus                                 **!*!* !!!*  ** *!** !**!!*** *!** *!**!***  *      *  *    * **** ********** *
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logo

NTDB id 413 AAK55817.1 141..845( )        ELDLTHREFELLYHLASHTGQVITREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMRNNA*  234
NTDB id 374 SMU RS06885 WP 002262930.1    EVELTHREFELLHHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMKSYD.  235
NTDB id 54719 LEPTO7376 RS03575 WP 015132885.1 ..........................................................................  120
NTDB id 1417 SGL RS04200 WP 014407071.1   ..........................................................................  121
consensus                                 *********** ************************************************************
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X non conserved
X similar
X ≥ 50% conserved