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logo

NTDB id 414 AAK55818.1 838..2187( )      MLDLL.KQTIFTRDFIFILILLGFILVVTLLLLENRRDNIQLKQINQKVKDLIAGDYSKVLDMQGGSEITNITNNLNDLS    79
NTDB id 976696 MGAS38362 RS02405 WP 002995609.1  MTRDIIGNLSTFELAILILLVFVAFY.FIHLAVRDYRNARIIRMMSHKIRDLINGRYTDIIDEKADIELMELSDQLNDLS    79
NTDB id 375 SMU RS06880 WP 002262929.1   MTNVFESSPLFLRILLAVLIILLFFY.FIFLNYREYKNNNQVKQLNAKVRSLITGHYTDKLKVEDNSDLSELVNNVNDLS    79
consensus                                !* **  * ** ** * *!******* ** ! ******* ****** !***!! ! !****** * *********!!!!

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NTDB id 414 AAK55818.1 838..2187( )      EVIRLTQENLEQESKRLNSILFYMTDGVLATNRRGQIIMINDTAKKQLGLVKEDVLNRSILELLKIEENYELRDLITQSP   159
NTDB id 976696 MGAS38362 RS02405 WP 002995609.1  DVFRLTHENLAQEKNRLASILAYMSDGVLATDRSGKIIMINETARKQLNLSKEEALKKNITDLLEGDTSYTYRDLVSKTP   159
NTDB id 375 SMU RS06880 WP 002262929.1   EVFRLTHENLAQEKNRLTSILSYMTDGVLATDRSGKITVINDMAQKQLNVTREQALECNILDILD.DDSYTYNDLITKTP   158
consensus                                *!*!!!*!!!*!!**!! !!! !!*!!!!!!*!*!*!**!!**!*!!!****!**! **!***!* ***!***!!****!

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NTDB id 414 AAK55818.1 838..2187( )      ELLLDSQDINGEYLNLRVRFALIRRESGFISGLVAVLHDTTEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALDEGAL   239
NTDB id 976696 MGAS38362 RS02405 WP 002995609.1  VVTVNSRNDMGEFVSLRLRFALNRRESGFISGLVVVLHDTTEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALDEGAL   239
NTDB id 375 SMU RS06880 WP 002262929.1   EIVLTRRDEYDEFITLRIRFALNRRESGFISGLIAVLHDATEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALDDGAL   238
consensus                                **** **** *!***!!*!!!!*!!!!!!!!!!**!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!

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NTDB id 414 AAK55818.1 838..2187( )      CETVAPDFIKVSLDETNRMMRMVTDLLHLSCIDNATSHLDVELINFTAFITFILNRFDKMKGQE..KEKKYELVRDYPIN   317
NTDB id 976696 MGAS38362 RS02405 WP 002995609.1  KEDIAPSFIKVSLDETNRMMRMISDLLNLSRIDNQVTQLAVEMTNFTAFITSILNRFDLVKNQHTGTGKVYEIVRDYPIT   319
NTDB id 375 SMU RS06880 WP 002262929.1   TESVAPSFIKVSLDETNRMMRMITDLLSLSRIDNQTSHLDVELTNFTAFMNYILDRFDQIQSQQ.STNKVYEIIRDYPDK   317
consensus                                !**!!*!!!!!!!!!!!!!!!!!**!!! !!*!!!****!*!!**!!!!!**!!*!!! ** !   * !*!!**!!!!*

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NTDB id 414 AAK55818.1 838..2187( )      SIWMEIDTDKMTQVVDNILNNAIKYSPDGGKITVRMKTTEDQMILSISDHGLGIPKQDLPRIFDRFYRVDRARSRAQGGT   397
NTDB id 976696 MGAS38362 RS02405 WP 002995609.1  SVWIEIDNDKMTQVIENILNNAIKYSPDGGKITVRMKTTDTQLIISISDQGLGIPKTDLPLIFDRFYRVDKARSRAQGGT   399
NTDB id 375 SMU RS06880 WP 002262929.1   SVWIEIDTDKMTQVIDNILNNAIKYSPDGGKVTITMQTTDTQLILSISDQGLGIPKKDLPLIFDRFYRVDKARSRAQGGT   397
consensus                                !*!*!!!*!!!!!!**!!!!!!!!!!!!!!!!*!**!*!!**!*!*!!!!*!!!!!! !!!*!!!!!!!!!!*!!!!!!!!!

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NTDB id 414 AAK55818.1 838..2187( )      GLGLSIAKEIIKQHKGFIWAKSEYGKGSTFTIVLPYDKDAVKEEVWEDEVED*   449
NTDB id 976696 MGAS38362 RS02405 WP 002995609.1  GLGLAIAKEIIKQHHGFIWAKSDYGKGSTFTIVLPYEKDAAIYEEWEEDVD..   450
NTDB id 375 SMU RS06880 WP 002262929.1   GLGLAIAKEIVKQHKGFIWANSEEGEGSTFTIVLPYENDNDAIDEWEEDEDES   450
consensus                                !!!!*!!!!!!*!!!*!!!!!*!**!*!!!!!!!!!!!!**!*   **!!*****
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X non conserved
X similar
X $\geq$ 50% conserved