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logo
NTDB id 414 AAK55818.1 838..2187( )      MLDLL.KQTIFTRDFIFILILLGFILVVTLLLLENRRDNIQLKQINQKVKDLIAGDYSKVLDMQGGSEITNITNNLNDLS   79
NTDB id 978096 MGAS37828 RS02410 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 978096 MGAS37828 RS02410 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 978096 MGAS37828 RS02410 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 978096 MGAS37828 RS02410 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 978096 MGAS37828 RS02410 WP 002995609.1  SVWIEIDNDKMTQVIENILNNAIKYSPDGGKITVRMKTTDTQLIISISDQGLGIPKTDLPLIFDRFYRVDKARSRAQGGT  399
NTDB id 375 SMU RS06880 WP 002262929.1   SVWIEIDTDKMTQVIDNILNNAIKYSPDGGKVTITMQTTDTQLILSISDQGLGIPKKDLPLIFDRFYRVDKARSRAQGGT  397
consensus                                !*!*!!!*!!!!!!**!!!!!!!!!!!!!!!!*!**!*!!**!*!*!!!!*!!!!!! !!!*!!!!!!!!!!*!!!!!!!!!

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logo
NTDB id 414 AAK55818.1 838..2187( )      GLGLSIAKEIIKQHKGFIWAKSEYGKGSTFTIVLPYDKDAVKEEVWEDEVED*   449
NTDB id 978096 MGAS37828 RS02410 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