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logo

NTDB id 414 AAK55818.1 838..2187( )      MLDLLKQTIFTRDFIFILILLGFIL.....VVTLLLLENRRDNIQLKQINQKVKDLIAGDYSKVLDMQGGSEITNITNNL   75
NTDB id 36586 SMUNN2025 RS03150 WP 012997648.1  .....MTNVFESSPLFLRILLAVLIILLFFYFIFLNYREYKNNNQVKQLNAKVRSLITGHYTDKLKVEDNSDLSELVNNV   75
NTDB id 375 SMU RS06880 WP 002262929.1  .....MTNVFESSPLFLRILLAVLIILLFFYFIFLNYREYKNNNQVKQLNAKVRSLITGHYTDKLKVEDNSDLSELVNNV   75
consensus                                ****!*****!**!!!*************!*******!*!*!!*!*!!**!!*!*!***!*****!******!!*

logo

NTDB id 414 AAK55818.1 838..2187( )      NDLSEVIRLTQENLEQESKRLNSILFYMTDGVLATNRRGQIIMINDTAKKQLGLVKEDVLNRSILELLKIEENYELRDLI   155
NTDB id 36586 SMUNN2025 RS03150 WP 012997648.1  NDLSEVFRLTHENLAQEKNRLTSILSYMTDGVLATDRRGKITVINDMAQKQLNVTREQALECNILDILD.DDSYTYNDLI   154
NTDB id 375 SMU RS06880 WP 002262929.1  NDLSEVFRLTHENLAQEKNRLTSILSYMTDGVLATDRSGKITVINDMAQKQLNVTREQALECNILDILD.DDSYTYNDLI   154
consensus                                !!!!!!*!!!*!!!*!!**!!*!!!*!!!!!!!!!*!*!*!**!!!*!*!!!****!**!***!!**!*  ***!***!!!

logo

NTDB id 414 AAK55818.1 838..2187( )      TQSPELLLDSQDINGEYLNLRVRFALIRRESGFISGLVAVLHDTTEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALD   235
NTDB id 36586 SMUNN2025 RS03150 WP 012997648.1  TKTPEIVLTRRDEYDEFITLRIRFALNRRESGFISGLIAVLHDATEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALD   234
NTDB id 375 SMU RS06880 WP 002262929.1  TKTPEIVLTRRDEYDEFITLRIRFALNRRESGFISGLIAVLHDATEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALD   234
consensus                                !**!!**!***!***!***!!*!!!!*!!!!!!!!!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

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NTDB id 414 AAK55818.1 838..2187( )      EGALCETIVAPDFIKVSLDETNRMMRMVTDLLHLSCIDNATSHLDVELINFTAFITFILNRFDKMKGQE.KEKKYELVRDY   314
NTDB id 36586 SMUNN2025 RS03150 WP 012997648.1  DGALTESVAPSFIKVSLDETNRMMRMITDLLSLSRIDNQTSHLDVELTNFTAFMNYILDRFDQIQSQQSTNKVYEIIRDY   314
NTDB id 375 SMU RS06880 WP 002262929.1  DGALTESVAPSFIKVSLDETNRMMRMITDLLSLSRIDNQTSHLDVELTNFTAFMNYILDRFDQIQSQQSTNKVYEIIRDY   314
consensus                                *!!!*!*!!!*!!!!!!!!!!!!!!!!!*!!!!*!!*!!!*!!!!!!!!*!!!!!***!!*!!!****!****!*!!**!!!

logo

NTDB id 414 AAK55818.1 838..2187( )      PINSIWMEIDTDKMTQVVDNILNNAIKYSPDGGKITVRMKTTEDQMILSISDHGLGIPKQDLPRIFDRFYRVDRARSRAQ   394
NTDB id 36586 SMUNN2025 RS03150 WP 012997648.1  PDKSVWIEIDTDKMTQVIDNILNNAIKYSPDGGKVTVTMQTTDTQLILSISDQGLGIPKKDLPLIFDRFYRVDKARSRAQ   394
NTDB id 375 SMU RS06880 WP 002262929.1  PDKSVWIEIDTDKMTQVIDNILNNAIKYSPDGGKVTITMQTTDTQLILSISDQGLGIPKKDLPLIFDRFYRVDKARSRAQ   394
consensus                                !**!*!*!!!!!!!!!!*!!!!!!!!!!!!!!!!!!*!**!*!!**!*!!!!!!*!!!!!!*!!!*!!!!!!!!!!*!!!!!!

logo

NTDB id 414 AAK55818.1 838..2187( )      GGTGLGLSIAKEIIKQHKGFIWAKSEYGKGSTFTIVLPYEDKDAVKEEVWEDEVED   449
NTDB id 36586 SMUNN2025 RS03150 WP 012997648.1  GGTGLGLAIAKEIVKQHKGFIWANSEEGEGSTFTIVLPYENDNDAIDEWEEGEDES   450
NTDB id 375 SMU RS06880 WP 002262929.1  GGTGLGLAIAKEIVKQHKGFIWANSEEGEGSTFTIVLPYENDNDAIDEWEEDEDES   450
consensus                                !!!!!!!*!!!!!*!!!!!!!!!*!!*!*!!!!!!!!!!**!******!!******
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X non conserved

X similar

X ≥50% conserved