```
logo

NTDB id 414 AAK55818.1 838..2187( )      MLDLLKQ.TIF.TRDFIFILLLLGFILVVTLLLLENRRDNIQLKQINQKVKDLIAGDYSKVLDMQGGSEITNITNNLNDL   78
NTDB id 185360 A9497 RS01775 WP 011681205.1 MTSIGLNIT.SFELALLFTLLFVAFY..FIFLAYRDYQQVKNIRKLTKRVKSLMAGNYNEKLRIKGDSELLELANSLNDL   77
NTDB id 375 SMU RS06880 WP 002262929.1   MTNVFESSPLFLRILLAVLIILLFFY..FIFLNYREYKNNNQVKQLNAKVRSLITGHYTDKLKVEDNSDLSELVNNVNDL   78
consensus                                !* *  * ***  * *********!*  ***! ******* ****** *!**!**! !***!** * !***** !**!!!

logo

NTDB id 414 AAK55818.1 838..2187( )      SEVIRLTQENLEQESKRLNSILFYMTDGVLATNRRGQIIMINDTAKKQLGLVKEDVLNRSILELLKIEENYELRDLITQS   158
NTDB id 185360 A9497 RS01775 WP 011681205.1 SDVFRLTHENLIQEKNRLSSVLSYMSDGVIATNRLGQITMINSTAQRLLNLDRETATQMSILDILDGENPYTYSELLSKT   157
NTDB id 375 SMU RS06880 WP 002262929.1   SEVFRLTHENLAQEKNRLTSILSYMTDGVLATDRSGKITVINDMAQKQLNVTREQALECNILDILDD.DSYTYNDLITKT   157
consensus                                !*!*!!!*!!! !!**!!*!*!*!!*!!!*!!*! !*!**!!**!***!** *! *** *!!**!* ** !** *!****

logo

NTDB id 414 AAK55818.1 838..2187( )      PELLLDSQDINGEYLNLRVRFALIRRESGFISGLVAVLHDTTEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALDEGA   238
NTDB id 185360 A9497 RS01775 WP 011681205.1 PEIHLSRRDANDEFVTLRVNFALIRKESGFISGLVAVLHDATEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALDDGA   237
NTDB id 375 SMU RS06880 WP 002262929.1   PEIVLTRRDEYDEFITLRIRFALNRRESGFISGLIAVLHDATEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALDDGA   237
consensus                                !!**!***! **!**!!**!!!*!*!!!!!!!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!

logo

NTDB id 414 AAK55818.1 838..2187( )      LCETVAPDFIKVSLDETNRMMRMVTDLLHLSCIDNATSHLDVELINFTAFITFILNRFDKMKGQEK..EKKYELVRDYPI   316
NTDB id 185360 A9497 RS01775 WP 011681205.1 LNEEIAPNFIKVSLDETNRMMRMISDLLALSRIDNKSTQLNVEMTNFTAFMTYILNRFGQIKSQETNPGKSYEIIRDYPV   317
NTDB id 375 SMU RS06880 WP 002262929.1   LTESVAPSFIKVSLDETNRMMRMITDLLSLSRIDNQTSHLDVELTNFTAFMNYILDRFDQIQSQQS.TNKVYEIIRDYPD   316
consensus                                ! !**!! !!!!!!!!!!!!!!!!**!!! !!*!!! ***!*!!**!!!!!***!!*!!*****!**   ! !!**!!!!*

logo

NTDB id 414 AAK55818.1 838..2187( )      NSIWMEIDTDKMTQVVDNILNNAIKYSPDGGKITVRMKTTEDQMILSISDHGLGIPKQDLPRIFDRFYRVDRARSRAQGG   396
NTDB id 185360 A9497 RS01775 WP 011681205.1 NSIWVEIDTDKMTQVIDNILNNAIKYSPDGGKITVSMKTTDTQLIVSISDQGLGIPKKDLPLIFDRFYRVDKARSRAQGG   397
NTDB id 375 SMU RS06880 WP 002262929.1   KSVWIEIDTDKMTQVIDNILNNAIKYSPDGGKVTITMQTTDTQLILSISDQGLGIPKKDLPLIFDRFYRVDKARSRAQGG   396
consensus                                *!*!*!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!*!**!*!!**!*!*!!!!*!!!!!!*!!!*!!!!!!!!!!*!!!!!!!!

<0

logo

NTDB id 414 AAK55818.1 838..2187( )      TGLGLSIAKEIIKQHKGFIWAKSEYGKGSTFTIVLPYDKDAVKEEVWEDEVED*   449
NTDB id 185360 A9497 RS01775 WP 011681205.1 TGLGLSIAKEIVKQHNGFIWAKSEYGKGSTFTIVLPYDQDAMMVDEWEM.....   446
NTDB id 375 SMU RS06880 WP 002262929.1   TGLGLAIAKEIVKQHKGFIWANSEEGEGSTFTIVLPYENDNDAIDEWEEDEDES   450
consensus                                !!!!!*!!!!!!*!!!!*!!!!!*!!*!*!!!!!!!!!!!**!** ***!!** **
```

X non conserved
X similar
X $\geq$ 50% conserved