```
logo

NTDB id 375 SMU RS06880 WP 002262929.1        .....MTNVFESSPLFLRILLAVLIILLFFYFIFLNYREYKNNNQVKQLNAKVRSLITGHYTDKLKVEDNSDLSELVNNV   75
NTDB id 362648 FD735 RS05520 WP 139658685.1   MIEDIRQTILTSDFIFILILLGFILV.....VTLLLLENRRDNIRLKEINQKVKDLIAGDYSQVLDLQGSTEITNITNNL   75
NTDB id 414 AAK55818.1 838..2187( )           MLDLLKQTIFTRDFIFILILLGFILV.....VTLLLLENRRDNIQLKQINQKVKDLIAGDYSKVLDMQGGSEITNITNNL   75
consensus                                     *** **********!**!!!*****     ***!*******!***!**!*!!**!!*!*!* *!**** *******!!*

logo

NTDB id 375 SMU RS06880 WP 002262929.1        NDLSEVFRLTHENLAQEKNRLTSILSYMTDGVLATDRSGKITVINDMAQKQLNVTREQALECNILDILD.DDSYTYNDLI   154
NTDB id 362648 FD735 RS05520 WP 139658685.1   NDLSEVIRLTQENLEQESKRLNSILSYMTDGVLATNRRGQITMINDMAKKQLGVQKEDVLNKSILELLKIEDEYELRDLI   155
NTDB id 414 AAK55818.1 838..2187( )           NDLSEVIRLTQENLEQESKRLNSILFYMTDGVLATNRRGQIIMINDTAKKQLGLVKEDVLNRSILELLKIEENYELRDLI   155
consensus                                     !!!!!!*!!!*!!!*!!**!!*!!!*!!!!!!!!!*!*!*!**!!!*!*!!!** *!**!**!!**!**** !***!!!

logo

NTDB id 375 SMU RS06880 WP 002262929.1        TKTPEIVLTRRDEYDEFITLRIRFALNRRESGFISGLIAVLHDATEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALD   234
NTDB id 362648 FD735 RS05520 WP 139658685.1   TQIPELTIDSQDVNGEYLSLRVRFALVRRESGFISGLVAVLHDTTEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALD   235
NTDB id 414 AAK55818.1 838..2187( )           TQSPELLLDSQDINGEYLNLRVRFALIRRESGFISGLVAVLHDTTEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALD   235
consensus                                     !**!!******!***!**!!*!!!!*!!!!!!!!!!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 375 SMU RS06880 WP 002262929.1        DGALTESVAPSFIKVSLDETNRMMRMITDLLSLSRIDNQTSHLDVELTNFTAFMNYILDRFDQIQSQQSTNKVYEIIRDY   314
NTDB id 362648 FD735 RS05520 WP 139658685.1   EGALYDPVAPDFIKVSLDETNRMMRMVTDLLHLSRIDNATTQLDVELINFTAFITFILNRFDKMRSQD.DEKKYELVRDY   314
NTDB id 414 AAK55818.1 838..2187( )           EGALCETVAPDFIKVSLDETNRMMRMVTDLLHLSCIDNATSHLDVELINFTAFITFILNRFDKMKGQE.KEKKYELVRDY   314
consensus                                     *!!!  **!!!*!!!!!!!!!!!!!!!!!*!!!!*!!*!!!*!**!!!!!*!!!!!***!!*!!!****!*  *!*!!**!!!

logo

NTDB id 375 SMU RS06880 WP 002262929.1        PDKSVWIEIDTDKMTQVIDNILNNAIKYSPDGGKVTITMQTTDTQLILSISDQGLGIPKKDLPLIFDRFYRVDKARSRAQ   394
NTDB id 362648 FD735 RS05520 WP 139658685.1   PINSVWIEIDTDKMTQVIDNILNNAIKYSPDGGKITVSMKTTDDQMILSIKDQGLGIPKQDLPKIFDRFYRVDRARSRAQ   394
NTDB id 414 AAK55818.1 838..2187( )           PINSIWMEIDTDKMTQVVDNILNNAIKYSPDGGKITVRMKTTEDQMILSISDHGLGIPKQDLPRIFDRFYRVDRARSRAQ   394
consensus                                     !**!*!*!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!*!*!*!!**!*!!!!!*!*!!!!!!*!!!!*!!!!!!!!!*!!!!!!

   <0

logo

NTDB id 375 SMU RS06880 WP 002262929.1        GGTGLGLAIAKEIVKQHKGFIWANSEEGEGSTFTIVLPYENDNDAIDEWEEDEDES..   450
NTDB id 362648 FD735 RS05520 WP 139658685.1   GGTGLGLAIAKEIIKQHNGFIWAKSEYGKGSTFTIVLPYDKDAVKEEIWEDEIEDQNE   452
NTDB id 414 AAK55818.1 838..2187( )           GGTGLGLSIAKEIIKQHKGFIWAKSEYGKGSTFTIVLPYDKDAVKEEVWEDEVED*..   449
consensus                                     !!!!!!!*!!!!!*!!!*!!!!!*!!*!*!!!!!!!!!!**!*****!!**!**
```

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