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logo

NTDB id 414 AAK55818.1 838..2187( )                  MLDLLKQ.TIF.TRDFIFILILLGFILVVTLLLENRRDNIQLKQINQKVKDLIAGDYSKVLDMQGGSEITNITN  73
NTDB id 1111745 HMPREF9425 RS04215 WP 003097035.1    MTSIGLNIT.SFELALLFTLLFVAF..YFIFLAYRDYRQAKNIRKLTKRVKSLMAGNYNEKLRIKGDSELLELAD  72
NTDB id 375 SMU RS06880 WP 002262929.1               MTNVFESSPLFLRILLAVLILLFF..YFIFLNYREYKNNNQVKQLNAKVRSLITGHYTDKLKVEDNSDLSELVN  73
consensus                                            !*  *  *  * * * *********!  **  !  ****** !  ****** !** !!**!** * !***** *

logo

NTDB id 414 AAK55818.1 838..2187( )                  NLNDLSEVIRLTQENLEQESKRLNSILFYMTDGVLATNRRGQIIMINDTAKKQLGLVKEDVLNRSILELLKIEEN  148
NTDB id 1111745 HMPREF9425 RS04215 WP 003097035.1    RLNDLSDVFRLTHENLAQEKNRLSSVLSYMSDGVIATNRRGQITMINSTAQRLLNLDRESATQMSILDLLDGENP  147
NTDB id 375 SMU RS06880 WP 002262929.1               NVNDLSEVFRLTHENLAQEKNRLTSILSYMTDGVLATDRSGKITVINDMAQKQLNVTREQALECNILDILDD.DS  147
consensus                                            * *!!** **! ** ***!!! !! * ** **** !** !*!!***** !  * *! ***  *!!**!* * **

logo

NTDB id 414 AAK55818.1 838..2187( )                  YELRDLITQSPELLLDSQDINGEYLNLRVRFALIRRESGFISGLVAVLHDTTEQEKEERERRLFVSNVSHELRTP  223
NTDB id 1111745 HMPREF9425 RS04215 WP 003097035.1    YTYSELLSKTPEIHLSRRDANDEFVTLRVNFALIRKESGFISGLVAVLHDATEQEKEERERRLFVSNVSHELRTP  222
NTDB id 375 SMU RS06880 WP 002262929.1               YTYNDLITKTPEIVLTRRDEYDEFITLRIRFALNRRESGFISGLIAVLHDATEQEKEERERRLFVSNVSHELRTP  222
consensus                                            !** *!**!**!!*!!** * *** *!!**!**!** !!!!!!!!!**!!!*!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 414 AAK55818.1 838..2187( )                  LTSVKSYLEALDEGALCETVAPDFIKVSLDETNRMMRMVTDLLHLSCIDNATSHLDVELINFTAFITFILNRFDK  298
NTDB id 1111745 HMPREF9425 RS04215 WP 003097035.1    LTSVKSYLEALDDGALHEEIAPNFIKVSLDETNRMMRMISDLLALSRIDNKSTQLDVEMTNFTAFMTYILNRFDQ  297
NTDB id 375 SMU RS06880 WP 002262929.1               LTSVKSYLEALDDGALTESVAPSFIKVSLDETNRMMRMITDLLSLSRIDNQTSHLDVELTNFTAFMNYILDRFDQ  297
consensus                                            !!!!!!!!!!!!!*!!!  *!!  !!!!!!!!!!!!!!**!!!  !!*!!!  ***!!!!!!!!!!!**!!!!!!

logo

NTDB id 414 AAK55818.1 838..2187( )                  MKGQEK..EKKYELVRDYPINSIWMEIDTDKMTQVVDNILNNAIKYSPDGGKITVRMKTTEDQMILSISDHGLGI  371
NTDB id 1111745 HMPREF9425 RS04215 WP 003097035.1    IKSQEINPGKFYEIIRDYSVNSIWHEIDTDKMTRVVDNILNNAIKYSPDGGKITVSMKTTDSQLIVSISDQGLGI  372
NTDB id 375 SMU RS06880 WP 002262929.1               IQSQQS.TNKVYEIIRDYPDKSVWIEIDTDKMTQVIDNILNNAIKYSPDGGKVTITMQTTDIQLILSISDQGLGI  371
consensus                                            ***!* !  !  !!*!*** !* ** !*!*!!!!!* *!!!!!!!!!!!!!!* !*!!*** !*!!!!!!*!!!!

logo

NTDB id 414 AAK55818.1 838..2187( )                  PKQDLPRIFDRFYRVDRARSRAQGGTGLGLSIAKEIIKQHKGFIWAKSEYGKGSTFTIVLPYDKDAVKEEVWEDE  446
NTDB id 1111745 HMPREF9425 RS04215 WP 003097035.1    PKKDLPLIFDRFYRVDKARSRAQGGTGLGLSIAKEIVKQHKGFIWAKSEYGKGSTFTIVLPYDKDAMMVDEWEM.  446
NTDB id 375 SMU RS06880 WP 002262929.1               PKKDLPLIFDRFYRVDKARSRAQGGTGLGLAIAKEIVKQHKGFIWANSEEGGSTFTIVLPYENDNDAIDEWEED  446
consensus                                            !!*!!**!!!!!!!!!*!!!!!!!!!!!!!!! !!!!!!!!!!!!!!*  *  ***!!!!!!!!!!!! * **!!**
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logo

                                             VEE
                                             EDDS
NTDB id 414 AAK55818.1 838..2187( )         VED*    449
NTDB id 1111745 HMPREF9425 RS04215 WP 003097035.1  ....    446
NTDB id 375 SMU RS06880 WP 002262929.1      EDES    450
consensus                                    **


                                    X̅  non conserved
                                    X  similar
                                    X  ≥50% conserved
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