```
logo

NTDB id 54892 OCU35 RS08225 WP 017030376.1   ....MTAEVKSKTLPDGPDWTFNLLEEYHQQIKRVAKHYKLDTYPNQIEVITAEQMMDAYSSIGMPINYHHWSFGKKFIQ   76
NTDB id 1450 BW25113 RS06185 WP 000190854.1  MATIDSMNKDTTRLSDGPDWTFDLLDVYLAEIDRVAKLYRLDTYPHQIEVITSEQMMDAYSSVGMPINYPHWSFGKKFIE   80
consensus                                    **** *     *  !*!!!!!!! !!* !*   ! !!!!*!*!!!!!*!!!!!! !!!!!!!!!*!!!!!! !!!!!!!!!

logo

NTDB id 54892 OCU35 RS08225 WP 017030376.1   TEQNYKHGQMGLAYEIVINSDPCIAYLMEENTVTMQALVMAHASYGHNSFFKGNYLFKTWTDASSIIDYLIFARNYISNC   156
NTDB id 1450 BW25113 RS06185 WP 000190854.1  TERLYKHGQQGLAYEIVINSNPCIAYLMEENTITMQALVMAHACYGHNSFFKNNYLFRSWTDASSIVDYLIFARKYITEC   160
consensus                                    !!  !!!!! !!!!!!!!!! !!!!!!!!!!!*!!!!!!!!!!*!!!!!!!! !!!!**!!!!!!!*!!!!!!! !!* !

logo

NTDB id 54892 OCU35 RS08225 WP 017030376.1   EEKYGVDEVEKLLDSCHALMNYGVDRYKRPEKISIAEETIRQQEREEYLQSQVNELWRTVPKSADSAE.IEKKRFPSEPQ   235
NTDB id 1450 BW25113 RS06185 WP 000190854.1  EERYGVDEVERLLDSCHALMNYGVDRYKRPQKISLQEEKARQKSREEYLQSQVNMLWRTLPKREEEKTVAEARRYPSEPQ   240
consensus                                    !!*!!!!!!!*!!!!!!!!!!!!!!!!!!!! !!!* !!  !!  !!!!!!!!!! !!!!*!!  *   * ! *!*!!!!!

logo

NTDB id 54892 OCU35 RS08225 WP 017030376.1   ENILYFIEKHAPLLESWQREIVRIVRKVSQYFYPQKQTQVMNEGWATFWHYSILNHLYDEGLVSDKFMLEFLHSHTSVVA   315
NTDB id 1450 BW25113 RS06185 WP 000190854.1  ENLLYFMEKNAPLLESWQREILRIVRKVSQYFYPQKQTQVMNEGWATFWHYTILNHLYDEGKVTERFMLEFLHSHTNVVF   320
consensus                                    !!*!!!*!!*!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!! !***!!!!!!!!!! !!

logo

NTDB id 54892 OCU35 RS08225 WP 017030376.1   QPAYNSQYFSGINPYALGFAMFQDIRRICEEPTDEDREWFPDLAGSDWLEAVHFAMQNFKDESFISQYLSPKLIREFKFF   395
NTDB id 1450 BW25113 RS06185 WP 000190854.1  QPPYNSPWYSGINPYALGFAMFQDIKRICQSPTEEDKYWFPDIAGSDWLETLHFAMRDFKDESFISQFLSPKVMRDFRFF   400
consensus                                    !!*!!!***!!!!!!!!!!!!!!!!*!!!  !!*!!* !!!!*!!!!!!! *!!!!  !!!!!!!!!*!!!!**!*!*!!

logo

NTDB id 54892 OCU35 RS08225 WP 017030376.1   AIKDDDRKNYIEIDAIHDEMGYKEIREKLAAQYNLSNLEPNIQVWNVDVRGDRSLTLQHIPHQRIPLDKSYDDVLKHLYR   475
NTDB id 1450 BW25113 RS06185 WP 000190854.1  TVLDDDRHNYLEISAIHNEEGYREIRNRLSSQYNLSNLEPNIQIWNVDLRGDRSLTLRYIPHNRAPLDRGRKEVLKHVHR   480
consensus                                     * !!!!*!!*!! !!! ! !!*!!! *!  !!!!!!!!!!!!*!!!!*!!!!!!!! *!!!*! !!!*    *!!!!**!

logo

NTDB id 54892 OCU35 RS08225 WP 017030376.1   LWGFDVILEELKESGHRDVLASCPKRTDYGKSI   508
NTDB id 1450 BW25113 RS06185 WP 000190854.1  LWGFDVMLEQQNEDGSIELLERCPPRMGNL...   510
consensus                                    !!!!!!*!!    ! !* **!  !!*!    ***
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X non conserved
X similar
X $\geq$ 50% conserved