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logo

NTDB id 32182 HP15 RS14550 WP 041645549.1     MTNLMDRPNPPESDQPRAREPISTGSEWTFELIQEYDDEIAKCAAEFGLDTYPNQIEVISAEQMMDAYSSVGMPVGYHHW    80
NTDB id 1450 BW25113 RS06185 WP 000190854.1   ........MATIDSMNKDTTRLSDGPDWTFDLLDVYLAEIDRVAKLYRLDTYPHQIEVITSEQMMDAYSSVGMPINYPHW    72
consensus                                     ******** **     **   **! !**!!!*!*  !  !! **!  * !!!!!*!!!!!* !!!!!!!!!!!!!* ! !!

logo

NTDB id 32182 HP15 RS14550 WP 041645549.1     SFGKQFLSTSKGYQRGQMGLAYEIVINSNPCIAYLMEENTLPMQALVIAHASYGHNSFFKGNYLFRTWTDASAIIDYLVF   160
NTDB id 1450 BW25113 RS06185 WP 000190854.1   SFGKKFIETERLYKHGQQGLAYEIVINSNPCIAYLMEENTITMQALVMAHACYGHNSFFKNNYLFRSWTDASSIVDYLIF   152
consensus                                     !!!! !* ! * ! *!! !!!!!!!!!!!!!!!!!!!!!!**!!!!*!!!*!!!!!!!! !!!!!*!!!!! !*!!!*!

logo

NTDB id 32182 HP15 RS14550 WP 041645549.1     ARHYVAECEERHGVDAVEEILDSCHALMNYGVDRYKRPAPISASEEVRRQKEREEYQQRRINDLWRTIPKLDEDDDPVRR   240
NTDB id 1450 BW25113 RS06185 WP 000190854.1   ARKYITECEERYGVDEVERLLDSCHALMNYGVDRYKRPQKISLQEEKARQKSREEYLQSQVNMLWRTLPKREEE.KTVAE   231
consensus                                     !!*!* !!!!!*!!! !! *!!!!!!!!!!!!!!!!!! *!!  !!  !!! !!!! !  *! !!!!*!! *!** *!

logo

NTDB id 32182 HP15 RS14550 WP 041645549.1     RKRYPEEPQENILYFIEKNAPLLETWQREIIRIVRKLGQYFYPQRQTQVMNEGWATFWHYTLLHRMYDKGLVTDGFMLEF   320
NTDB id 1450 BW25113 RS06185 WP 000190854.1   ARRYPSEPQENLLYFMEKNAPLLESWQREILRIVRKVSQYFYPQKQTQVMNEGWATFWHYTILNHLYDEGKVTERFMLEF   311
consensus                                      *!!! !!!!!*!!!*!!!!!!!!*!!!!!*!!!!!* !!!!!!*!!!!!!!!!!!!!!!!!*!***!! ! !!* !!!!!

logo

NTDB id 32182 HP15 RS14550 WP 041645549.1     LQSHSAVVYQPPFNSPWYSGINPYTLGFSIFTDLRRICENPTDEDREWFPDIAGSDWLETLHFAMKNFKDESFIQQFLSP   400
NTDB id 1450 BW25113 RS06185 WP 000190854.1   LHSHTNVVFQPPYNSPWYSGINPYALGFAMFQDIKRICQSPTEEDKYWFPDIAGSDWLETLHFAMRDFKDESFISQFLSP   391
consensus                                     !*!!* !!*!!!*!!!!!!!!!!! !!! *! !**!!!  !!*!!* !!!!!!!!!!!!!!!!!!* !!!!!!! !!!!!

logo

NTDB id 32182 HP15 RS14550 WP 041645549.1     KVMRDLKLFAIQNDDQEDVYRVTAIHDDPGYRDLREKLARQYNLSYREPNIQWWNVDVRGDRSLTLRHIPVDRVPLGKET   480
NTDB id 1450 BW25113 RS06185 WP 000190854.1   KVMRDFRFFTVLDDDRHNYLEISAIHNEEGYREIRNRLSSQYNLSNLEPNIQIWNVDLRGDRSLTLRYIPHNRAPLDRGR   471
consensus                                     !!!!! * ! *  !! *    **!!! **!!!**! *!  !!!!!  !!!!!*!!!!*!!!!!!!!!*!!* ! !! *

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NTDB id 32182 HP15 RS14550 WP 041645549.1     DEVLRHVHRLWGFDVHLESVD.DGTVVEDHHCPPREAEED   519
NTDB id 1450 BW25113 RS06185 WP 000190854.1   KEVLKHVHRLWGFDVMLEQQNEDGSIELLERCPPRMGNL.   510
consensus                                      !!!*!!!!!!!!!!*!!   *!!**   **!!!! *  *
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X non conserved
X similar
X $\geq$ 50% conserved