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logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  MN..NNSHDEAHNYQDSEF.EDE...................LLELFE................DLEADPPPPPTVDFPKEI    44
NTDB id 1419 SGL RS12550 WP 010873252.1      MTSDPNPAQAFENWFEEEEGDDAFTSLIAGEETNSGIEELDFGDLFEGEPTVIQGEGFGSPSSGEEDPPVRMTLDFNSP.    79
consensus                                    ! ***!**   *!* * ! **! *****************  *!!!***************  ! !!!***!*!!* **

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  DPKVSFISFANNFEELLAFEEATSSQSQ.MSQQASPQNEADLEADLEALLQDTNPNQPPEIETYAVESEPYFPLED....   119
NTDB id 1419 SGL RS12550 WP 010873252.1      .........EAELDALFTDEDAPTTAIDPFESSSWLEIDQMMEADPLASIPET..NAPAYQTAGGLDDNDLAELQDLLGV   148
consensus                                    *********    * !   !*!***   *      *  *  *!!!* ! ***!**! !*     ***  *  *! !****

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  .PVSPPLKR....PKAIATKISPVTNGQISYYSPLEDLSQYLEVTPSSSANPVNWNALTQLIQQAPSASSSSPSPSPQKR   194
NTDB id 1419 SGL RS12550 WP 010873252.1      GDVEPAITNPGLHSFAGADRVTPLTNEV.LLFAAIDDLDGLINAPV..LDEEFSFTELETLID.TPAPKSFATISHPFRL   224
consensus                                    **! !**  ***** ! ! ***!*!!  *  * ***!!   *  ****   *  *  !  !! * ! * !  * **! *

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  PQITISKQTDFGELEALLQQADTMGGPPITTTSGP.NTTRQRSQKVNSFEQTMRIPVKQLDNLSNLMGELVVNRNTLEQS   273
NTDB id 1419 SGL RS12550 WP 010873252.1      PVAMEEDEDEFKDLEALLEQADSSLGGGIAGMGGARLPARPRQVKSRSFEQTMRVPIKQLDNLSNLIGELVVKRNRLEQD   304
consensus                                    !         *! *!!!!! !!!*  !**!    !** * !*!  !  !!!!!!!*!*!!!!!!!!*!!!!! !! !!!

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  QEKLRQFLDNLTGQVQRLNDIGGQMQDLYERSLLERSLLASRGQNTEYHFPSGF.TDK...PAAPNRSNAQEYDPLEMDQ   349
NTDB id 1419 SGL RS12550 WP 010873252.1      QERLRQFLDNLLNQAQNLSDVGGRMQDLYERTLLEGALLASRSTNSRHHSSKTTYPDARITASSSSTMNDQPLDALEMDR   384
consensus                                    !!*!!!!!!!!  ! ! ! !*!! !!!!!!!*!!!  !!!!!  !* *! *   **! ****  *   ! !* !*!!!!

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  FTGFHLLSQEMIELIVRVRESSSDIEFLVDDNEQIARNLRQVSTQLQEGLTKSRMIPFAQAADRLVRPVREISLKLNKRA   429
NTDB id 1419 SGL RS12550 WP 010873252.1      FTGFHLLSQEMIELIVRVRESASDIQYLVDETDQVARTLRQVTTQLQEGMTKSRMVPFTQTADRLPRAIREVSMKLNKKV   464
consensus                                    !!!!!!!!!!!!!!!!!!!!!!  !!!  *!!!* *!*!! !!!!*!!!!!!*!!!!!*!!  !  !!!!*!**!!*!*!!!!*

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  SLNVEGREVLIDKMILEQLYDPLTHLINNAITHGIEAPEVRLSKGKPAAGVVSLKAYIQGNQIVISIADDGAGMDSEALV   509
NTDB id 1419 SGL RS12550 WP 010873252.1      NLEVEGGDVLIDKMILEHLYNPMTHLVNNAITHGIETPAERQKLGKSPEGHLAVRAFLQGNQTLITVSDDGAGINTEMVK   544
consensus                                     ! !!! *!!!!!!!!!!*!! !*!!!*!!!!!!!!!! !  !   !!** !** **!**!!!! *!** !!!!!* *! *
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logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  HKALEKNLITPEQLPDLSQQDIYDFIFHPGFTTKAQADDFSGRGVGMDVVRTALGSIRGTITIDSVLGKGTTFTIRLPLT   589
NTDB id 1419 SGL RS12550 WP 010873252.1      QKAVEKGLISRMEAQSLSQSEVYDLLFHAGFSTKDTADDFAGRGVGLDVVRTSLIDIRGAINIESTVGKGTTFTIRLPLT   624
consensus                                    *!!*!! !!**   * !!! **!! *!!*!!*!!  !!!! !!!!!*!!!!! !  !!! ! !*! *!!!!!!!!!!!!!

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  LNICRALFCLNRHARIALPMDGVEDMQTYTLDQVEQ.QGRRRYIRWR..DSRLRVYPLNNLLTLQRQIGRGSIYGGVSDP   666
NTDB id 1419 SGL RS12550 WP 010873252.1      LSICKALCCLSDRARIAFPMDGVEDTRDYLPKDIVTDEDGQKCVKYGKEALLLPLYPLKDLLNYNRQLSRGSVYGGKQEE   704
consensus                                    ! !!*!!*!!  *!!!! !!!!!!!   ! *  *  *   ***** **   !**!!!  !!  *!!* !!!*!!!  **

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  DQIPVVILR.SAGNLLAIQVDQVLGEQEIVIKQIEGPIPKPAAIAGATVLGDGTVMPVVDVLELIELAAQGRVRA..KAT   743
NTDB id 1419 SGL RS12550 WP 010873252.1      DVVRVIIARGSSGNLLALQIDQVLGEEEIVIKQIEGPIPKPPGIAGATVRGDGSIMPIADVLELIEIAQ.GRLRTDSSGG   783
consensus                                    ! **!*! !*! !!!!!*!*!!!!! !!!!!!!!!!!!!**!!!!! !!!**!!* !!!!!!!*! *!!*! ** *

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  TWQDNPALHLLVPEMVQTEPIVLIVDDSITVRELLSMSFTKAGYRVEQARDGQEAWEKLRGGLPCELVFCDIEMPRMDGL   823
NTDB id 1419 SGL RS12550 WP 010873252.1      LWRKTLTP...TVNEVHMDPTVLIVDDSITVRELLSLSFKKAGFRVEQARDGQEAWDQLKSGLPCDLVFCDIEMPRKNGL   860
consensus                                     !   * **** *  !* *! !!!!!!!!!!!!!!!*!! !!!*!!!!!!!!!!!!!* !* !!!!*!!!!!!!!!!  !!

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  ELLSRIQKDPNLEKIPVAMLTSRGADRHRQMAAELGASAYFTKPYLEEVLLDAAQKMRQGDVLLPGSTRQPTVLEPE..D   901
NTDB id 1419 SGL RS12550 WP 010873252.1      ELLSELQADEELSSIPVALLTSRGADRHRKVAAKLGATGYFTKPYTEKDILDAANRMLNGEVLLPGSTRKTNSILSRFKK   940
consensus                                    !!!! *! !* !  !!!!*!!!!!!!!!! *!! !!!**!!!!!! !  *!!!!**! *!*!!!!!!!! *  * * **

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  EMGDFEPLDD....ASVKVTAPRILIVDDSVTVRELLAITFQKAGYHVERARDGEDALEQLLKNPDFSLVFCDIEMPRLD   977
NTDB id 1419 SGL RS12550 WP 010873252.1      ARGNFSEEAPTIVRSNPGTLRSTVLIIDDSVMVREMLSMTFKKADYHTETARDGQDAWEKLKSGLPCDLILCDIEMPRMN  1020
consensus                                      ! !  *  *****  *    * *!!*!!!! !!!*! *!! !! !! ! !!!! !! ! !   *** !* !!!!!!!*

logo
NTDB id 188507 AWQ21 RS07965 WP 065715269.1  GLALLEEIQKYPELTHIPIAMLTSRGAGRHRQIAAARGAKAYFTKPYVEDQLLGAAARLMAGEILLDENGKVVA.  1051
NTDB id 1419 SGL RS12550 WP 010873252.1      GLELLERIQEDPNLSRIPVAMITSRGAQKMQRMAAEKGAKGYFVKPYIEETLLEASQRLIRGEVLLDLAALSADE  1095
consensus                                    !! !!! !!  ! !**!!*!!*!!!!! **  *!! *!!!*!! !!!*!* !! !  !!* !!*!!!  *    *
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X non conserved
X similar
X $\geq$ 50% conserved