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logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  MKEILKNLVETTALPEDSYLDQDAEILEIFVEEIEEIFVELKDLLAQWATQPNDQETLTTIRRHFHTLKGSGRMVGAKSA   80
NTDB id 1046 HON27 RS03130 WP 168726941.1    MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSE.NIATLTEIRRHFHTLKGSGRMIGAKSS   79
consensus                                    !!!!!! ! !   !!!!!! *!!!! !!!!*!!!!!!!!*! *!*   !   **   !!! !!!!!!!!!!!!!*!!!!

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  GELAWTVEDTLNRVISGSLTLSAQVQQFATAVANVFEYKLYPSFKHAQPMALDLRPLVLLGQQLQQNLSPEPALEELLQL  160
NTDB id 1046 HON27 RS03130 WP 168726941.1    AELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQQSLEPALEELLQL  159
consensus                                    *!!!!!!!!!!!!!!   !! !** *! *   !   *  !! * !!*  ** !! !!!*!!!!!!!! !*!!!!!!!!!!

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  ASSLTSSDSITGLEFDTASTDEQVAADTELAVADSVEEDPLAAETLAIFIEEAEEHLLTVDRFLVHDELKTQDYNGLIRA  240
NTDB id 1046 HON27 RS03130 WP 168726941.1    SHTLMA.ETVTGLELDYIEQDSLAE...PIIQATHTEIEINLDETLTLFMEEAEEHLATIHQFLDQELHQYDSYNALIRA  235
consensus                                     **!  ****!!!! !    !    *****  ! * ! **   !!! *!*!!!!!!! !** !! ** *    !!*!!!!

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  LHTLRGSSSMAHIEQIFDASSKVENLFKTLLQDEIESTSKETALLLQYAEFVRDYLHLLPQNDS.AGMDRIYQTFNTAWQ  319
NTDB id 1046 HON27 RS03130 WP 168726941.1    LHTLRGSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLLQEYREFVRDSLELLSRYSSSEQLEARLLQFNQSWD  315
consensus                                    !!!!!!!! !!**! !!*!!*!!!*!!! !!!*!* !*! !  !!  ! !!!!! !*!!*   !*  **     !!  !

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  NYGFSLEDVD.ESVNPQGLVSKLIELNIDQLLDAEFEFDQRAQAEYPEYIQTLSHQAKLLVERTDNRASQGIHDFTQELQ  398
NTDB id 1046 HON27 RS03130 WP 168726941.1    AYVEQHGDRTDPLMPSHGLVSQLLQLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLK  395
consensus                                     !   * !  ** ****!!!! !* ! *  !!!!! *!*     !*!*!*  !!*!! !!* *!*  !  !*!**!  !

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  LAYAALLDKPSLLHSDYAFELFGQAHQEFIHLFDTLAAGQRVSLSEDAQQIINNLSAFVQQDIEALS.............  465
NTDB id 1046 HON27 RS03130 WP 168726941.1    ESYEVLLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVKQHQSILEELKLYTQYTPDISNDLPQQDSTSFEPI  475
consensus                                     !  !!!!! !!*!!! !!**  !!!  !*!!! !!!!!!! *   *! !*  !  * !  **   *************

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  .SETDTTEAVTETVEAGAGLNLAVLSQRLEADRQYMDSAEANKDFDPDLLDIFLEEAEELLTGIDQDVNSWSQDPSNTAA  544
NTDB id 1046 HON27 RS03130 WP 168726941.1    YNIEPEPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEELLEGIDTDLNIWVGEQENFAA  555
consensus                                    *   * *! !          !!! ! *  !!!!* !   !* !!*!!!!!!!!!!!!!!! !!! !*! !  ** ! !!
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logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  LNNLMRHLHTLKGGANMITASHIGLIAHHLETIYERIINRQMNASTALIQIIRLVQDNIADRIQTIREQQVDYPAQESLA   624
NTDB id 1046 HON27 RS03130 WP 168726941.1    LNNLMRYLHTLKGGANMVQATYLGLIAHELESIYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTIN   635
consensus                                    !!!!!!*!!!!!!!!!!!* !***!!!!!*!!*!!!!*!**!*  ** !!  !!!!!! *!!!*! *!!!!*!!*!* **

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  ILENISELAQGQLVEAESLAVVAEATSSADVQQSDAAALEFEL.EQPAPAETAYAAPEDEQQPDTSSEPVLEDAPTLAEQ   703
NTDB id 1046 HON27 RS03130 WP 168726941.1    ALKRAGQNS.....NFQPLPVVEAFDAESEVFSEQKVISEIIIDEIPVELEPALAEL..ETH....HDQVFDTAV..TEL   702
consensus                                     !       *****   *!*!!       *!        !  **! ! * !*! ! ***! ********! * !*** !

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  TIPTDA......VSTTENDGEDNLHSIVEETFLEEAEELLDTTESLLKQWFDHRSDRSILLQLQRAAHSLKGGARMAEIE   777
NTDB id 1046 HON27 RS03130 WP 168726941.1    ATPVEMITTVTSQENEVAANEQDIEAVVEQTFLEEATELLEMAESLLKQWFEQRTNRSILLQLQRAVHSLKGGARMVGLE   782
consensus                                      ! * ******        !  ** *!! !!!!!! !!!*  !!!!!!!!**!* !!!!!!!!!! !!!!!!!!!  *!

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  PVAVIAYQLENTFEQFAVHQFNSNAYDALLNTTVVWLKEAIFQRDYSNFDSLKASLESIEYVNATAQLPERFNTTDLLAP   857
NTDB id 1046 HON27 RS03130 WP 168726941.1    AVQAIAYQLENAFEQFALHHFNSNIYDHLLESAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIQIPTKLTRADLFSS   862
consensus                                    *!  !!!!!!! !!!!!*!*!!!! !!*!! * * !!!*!!!** ! *!! !  !!! ! *   ! !*! *    !!  *

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  SKTFEFVQGDGAEPPSMQGEWSETAQLDNSNEMIRISADLVEKMIDLSGENAINRSRIEMELGQLGGTLNEMELAIKRLA   937
NTDB id 1046 HON27 RS03130 WP 168726941.1    EPVMTFIQGDGTEPPPMMGAWEQTERLDQNNEMIRVSADLIEKMIDLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLA   942
consensus                                     *   !*!!!! !!!*! ! !  !  !!* !!!!!*!!!!*!!!!!!!!!! !!!!!!!!*! !  *!! !!!!!! !!!

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  DQLRRMEGELESQIIAKHGDEHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKTTLADKIRDAEGLLLQQSRIQAE  1017
NTDB id 1046 HON27 RS03130 WP 168726941.1    DQLRRMEGELETQIIAKHGIEHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQAE  1022
consensus                                    !!!!!!!!!!!*!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 668391 MOW12 RS10935 WP 242911830.1  IQESLMRTRLVPFSRMLPRLQRIVRQTSSTLNRPAELVVHNTEGELDRTILERLISPFEHMLRNAVDHGLEDAAVRKQAA  1097
NTDB id 1046 HON27 RS03130 WP 168726941.1    IQEGLMRTRLVPFSRLLPRLQRIVRQTSTALNRPAELFVNNTEGELDRNILERLVTPLEHMLRNAIDHGLEDRAQRQQAN  1102
consensus                                    !!! !!!!!!!!!!!*!!!!!!!!!!!!* !!!!!!! !*!!!!!!!!! !!!!!**! !!!!!!!*!!!!!! ! ! !!
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logo

NTDB id 668391 MOW12 RS10935 WP 242911830.1  KPEVGQIALNIGRQGTDVLISFTDDGKGIDETKIHAKALSLGLIQPEQQLDKKEILQLIFHPGFSTAQAVTQISGRGVGL  1177
NTDB id 1046 HON27 RS03130 WP 168726941.1    KPETGRIELNIQRQGTDVVVFSDDGQGIDVEKVRQKALLAGLIKPEQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGL  1182
consensus                                    !!! ! ! !!! !!!!!!** !*!!! !!!  !** !!!  !!! !!! !*  *!!!!!!!!! !!!  !!!!!!!!!!!

logo

NTDB id 668391 MOW12 RS10935 WP 242911830.1  DVVQSEIKALGGHVEVDSELGKGTTFSIRVPTTVAVSDALMVKVGDQQFAIPLAQIDRIVRISPSALESYFSSKDDYFKI  1257
NTDB id 1046 HON27 RS03130 WP 168726941.1    DVVQSDIKSLGGHVSVESVYGQGTTFTIRVPTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEY  1262
consensus                                    !!!!!*!! !!!!! !*!  ! !!!!*!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!*!*!!  !! !! !* * !

logo

NTDB id 668391 MOW12 RS10935 WP 242911830.1  DQQNYKLRYLSEFVANQPLPRLSNIAHSLPVLLIKGNTGQTIALLVDQLIGSRGQIVMKPIGQQFSSVGSIAGATILGDG  1337
NTDB id 1046 HON27 RS03130 WP 168726941.1    ENKRYPLRYLSEFVGNQPIPRLNGVMYSLPVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQQFSSIGAIAGATILGDG  1342
consensus                                    **  !*!!!!!!!!!*!!!*!!!  * *!!!!!*!!*! !!!*!!!!!!!!!!!*!!!*!!!!!!!!!*! !!!!!!!!!!

logo

NTDB id 668391 MOW12 RS10935 WP 242911830.1  QVCLILDGQNIARQIQATQRIKHVMEPREVQ.RRDTRHLVMIVDDSVTVRKVTSRLLERQGFDVVTAKDGVDAIEQLENV  1416
NTDB id 1046 HON27 RS03130 WP 168726941.1    QVCLILDGQNIARQIQSTQRHKQLSEAVYRQRESDERRLIMIVDDSVTVRKVTSRLLERQGYDVVTAKDGVDAIEQLENI  1422
consensus                                    !!!!!!!!!!!!!!!! !!!*!** !*   !*  ! !*!*!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!*

logo

NTDB id 668391 MOW12 RS10935 WP 242911830.1  KPDLMLLDIEMPRMDGFEVTTLVRRHDIHRDLPIIMITSRTGEKHRERAFSLGVTHYMGKPFQEAELLANIENILHSSEA  1496
NTDB id 1046 HON27 RS03130 WP 168726941.1    KPDLMLLDIEMPRMDGFEVLNLVRHHDMHQYMPIIMITSRTGEKHRERAFSLGVSQYMGKPFQEEELLENIDALLVAFES  1502
consensus                                    !!!!!!!!!!!!!!!!!!!  !!!*!!*!  *!!!!!!!!!!!!!!!!!!!!!!!!**!!!!!!!! !!! !!* *!*  !

logo

NTDB id 668391 MOW12 RS10935 WP 242911830.1  KA..  1498
NTDB id 1046 HON27 RS03130 WP 168726941.1    EVKS  1506
consensus                                      **
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X non conserved

X similar

X $\geq$ 50% conserved