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logo
NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  MLHLYSSNRLEFLAETAVALMQTAPPEAVFAPEEIVVQSQGMRRYLNHYLAERSGIAANLNFSLPAALSWQLTRRFLPDA   80
NTDB id 1133 OK783 RS06970 WP 010951252.1      MFYLYQSNRLESLAALFARIQKVKPLKCALQPEQIVVQSQGMRRYLNTCLARDLGVAANLAFSLPAGLTWKLMKKLIPGI   80
consensus                                      ! *!! !!!!! !!     *    !* *   !! !!!!!!!!!!!!**!!    !*!!!! !!!!!*!*! ! ** *!

logo
NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  PRLNPFAPEVLRWRLLPLLESADS.......ALPAVLQGYLKSSTAAAYHLAGRLADVFDQYLVYRPHWLAQWEQGKLNG  153
NTDB id 1133 OK783 RS06970 WP 010951252.1      PELSPFAPEVMRWRLLDLFRSAEFQNGAEFEDVRNVLQDYLGSGESADYQLAGQLADIFDQYLVYRPQWIDAWQQGRILG  160
consensus                                      ! ! !!!!!!*!!!!!*!  !!* ******* ** !!! !! !   ! !*!!! !!!*!!!!!!!!!*!*   ! !!** !

logo
NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  LGADEAWQAALWRTLAADT.PAAHRAAQHERLLAALNPARLPQRYVAFGISTLAPVYLDLLQALAEHTDVHLFAVNPSQQ  232
NTDB id 1133 OK783 RS06970 WP 010951252.1      LGDDEIWQSKLWRYLDDGRQSAPHRVALWEKLLAALDKDKLPERYFVFGISTMAPMYLQLLHKLSEHCDVFVFALNPSGM  240
consensus                                      !! !! !!   !!! !    **!*!! ! *!*!!!!! * *!! !!  !!!!!*!!*!! !!* ! !!*!!**!!*!!!

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NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  YWGDIQSPK.RLAAQAEPAAEEAGHPLLSSLGKQGRDFFDRLAVSTRAMEQVELFSAPPESPSLLQRLQADIQLLRLPEK  311
NTDB id 1133 OK783 RS06970 WP 010951252.1      HWGNVIEAAQILKGGGDPDLTQAGHPLLASLGKQGRDFFDFLNEMEIEEE.TPVF.EEGGRDTLLHALQTDIQNLKMPSE  318
consensus                                      *!! *  * * ! * **!    !!!!!! !!!!!!!!!!! !       !* **!* **  **!!* !! !!! !**!

logo
NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  GS...AQMDGSIVIQAAHSPLRELQILKEKHLLRRLAANPELQPHHIAVLTPAVEDYLPFIHAVFGEAAPGSRALPYSVAD  388
NTDB id 1133 OK783 RS06970 WP 010951252.1      NVGSVGTDDGSICIVSAHSPLRELQILKDKLLKILHEHPDWQPHDIAVLTPNIEPYTPFIEAVFGQAQPGAQALPYSVSD  398
consensus                                        ****  !!!!*!  !!!!!!!!!!!!**!!* !* *!* !!!*!!!!!! *!*! !!!*!!!! ! !!  !!!!!! !

logo
NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  VRLSRSQPLMLLAEQLITLMQSRFETERLLPLLDAQAVRRHWQIDETDAEFLRRSVAELNVHWGADAEMRAGHGGSGKAF  468
NTDB id 1133 OK783 RS06970 WP 010951252.1      VKISRRQPFFYALECVSDLLESRFEVGKVLALLETAPVLRRFGLTGDDLPLLHDMVADLNVHWGLDGEMRG...GTDQLF  475
consensus                                      !**!! !!      !**  !* !!!!  **!*!!*  *! !** *   ! * !*  !!*!!!!!! !*!!!****!*   !

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NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  TWQQAAERSVLGWLLPEGEDTLWQGVHPWPADLARQPAQAAWFVLLGKLREHHRRWQSPVSIEGWIERFRALLADAAGDT  548
NTDB id 1133 OK783 RS06970 WP 010951252.1      TWKQAADRMILGWMLPEGGNPMWQDVSAWYADVNQTAMFGRFAAFLETLSDIARIWRQPATVGEWVARCRDLLETLFQAG  555
consensus                                      !! !!!*! *!!!*!!!!  **!! !**!*!!*   *  * *   !  ! ***! !  ! **  !* !*! !!
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logo
NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  PAEADQAAWQQISQALAAWQEEAALAGYAAALPPDTACQHLRRFFGQSSEAAFLRGGITFCSMVPMRSLPFDTVCLLGLN   628
NTDB id 1133 OK783 RS06970 WP 010951252.1      PD..DQKAVQNLENEWVKWQEESTLAGFFGQLPQQTVIRHIRRFLDSESEAGFLRGGITFCSMVPMRSLPFKVICLLGLN   633
consensus                                      ! **!! ! !** *    !!!!  !!!* * !!* ! * !*!!!    !!!*!!!!!!!!!!!!!!!!!!!  *!!!!!!

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NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  DGKYPRQTPAPAFDLIARHPQSGDRPRRDDDRYLFLESLLSARSHLYLSYIGRDHLKDETQAPSPLLSELIDTLAQMASQ   708
NTDB id 1133 OK783 RS06970 WP 010951252.1      DGDFPRNTKAAVFDLVAKHPAKGDRARRDDDRYLFLEALISAREILYLSYIGRDIRKDEELASSSLLGELIDTVAAMTGT   713
consensus                                      !! *!!*!*!* !!!*!*!!  !!!*!!!!!!!!!!!! !*!!! *!!!!!!!!!* !!!  !*!*!! !!!!!*! !

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NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  SSADFAAAHVCQHPLQAFSTRYFAPQSDGESSAEFSENGLSGSLSGLRQDYAQALNQPAAEAAPFIGDTPPEAAAEPTIS   788
NTDB id 1133 OK783 RS06970 WP 010951252.1      NSRQLAQNWIEQHPLQAFSRRYFQE............GGRSDGIFGTRTDYAAALGQTPEPPQPFFDQPVENAEPVAEIG   781
consensus                                       !   !  ***!!!!!!!! !!! ************ ! !  * ! ! !!! !! !** ** !!   *** ! * * !

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NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  LDSFLNFWNNPVRHWLRRALQWQRPYADRPADSAEPYAIERSDEVKQRYLDARRQREDFAQTEAKLQADSLLPASLLGEI   868
NTDB id 1133 OK783 RS06970 WP 010951252.1      QDEFIRFWRNPVKVWLQQ.LAWSEPHIGEAWEPAEPFEPQHAEQIAETYIGARREGQDFSQTAARIAAESLLPSGELGKL   860
consensus                                       ! !* !! !!!**!!  *! !  !*   * **!!!* * * * *   !* !!!   !! !! !** !*!!!!   !! *

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NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  LQEPERTAAKQLDSELLASPREPDFPFRFEHGGHTLVGSLTHLHQHGQIFYRAAELKAPAEIGLWLQHLVYCAVHPQAQA   948
NTDB id 1133 OK783 RS06970 WP 010951252.1      WQQSFQTAAKQIDTAVLNSPKLPPFPYAIPSDGQILKGSLGNLYRCGQVFYAYGKPNAPQRVAFLLEHLIFCAVMPSEAE   940
consensus                                       ! *  !!!!!*!* *! !!* !*!!*  ** !* ! !!! *!*  !!*!!  * * !!  **  ! !!**!!!*!

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NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  TH...LVSLDSPQTLPPLPQAEAAEQLARWLDYYLLGQQQPLPFFPRTSLAAAKACTAEDLAVQRLAEKALAAARSKYRD  1025
NTDB id 1133 OK783 RS06970 WP 010951252.1      TRQTFIVQSGETEVLAEIAQDRALQLLSEWMAFFNIGQNRPLPFFAKTSLAAAEAFAQK.....QDWEAALKKAQTAYYG  1015
consensus                                      !*****!    *  !****!  !   !  !* ** *!!* !!!!!**!!!!!! !*   *****   ! !!  ! * !

logo
NTDB id 1060130 ACF3NW RS12140 WP 392423886.1  SRDYPGQNQDPEVAQVYGRDEDEPINSPLFARLVLALLAPLYLRLAAEEGTGKKAG  1081
NTDB id 1133 OK783 RS06970 WP 010951252.1      SKVSKGQKDYTEVALVFGNASQNPLEQPLFENLARLLADTL.AAAEKREGTGAA..  1068
consensus                                      !*  *!!   *!!! !*!     !*  !!!  !   !  *!*      !!!!  **
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X non conserved
X similar
X $\geq$50% conserved