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logo

NTDB id 38990 MPQ RS01055 WP 013441028.1  MKQSLQLKFSQHLALTPQLQQSIRLLQLSTQELNQELETLLQANPLLERADKIEEPLEI.PD.....NFIAAPVAPEPSVAATPE   79
NTDB id 1425 RS RS02020 WP 011000369.1    MKQSLQLRLSQHLALTPQLQQSIRLLQLSTIELQQEVEQALTENPLLERENEWLDTSARIGADGSVNALQSSSATPLPTESPPPA   85
consensus                                 !!!!!!!* !!!!!!!!!!!!!!!!!!!! !!*!!*!  !  !!!!!!     **   ** *****     *  !  !*  **!

logo

NTDB id 38990 MPQ RS01055 WP 013441028.1  E......APRQDEFGGDDYFEFGSSSGSNRWEDSSS.....GNDDDNDFSYQEAVSLSLRDHLLGQLKLLPLSERDQTLSMLLVD  153
NTDB id 1425 RS RS02020 WP 011000369.1    ANGADHADTAEASYENGSDFDSDYGTERSDWSLDDFARKPQSDEDDRAPMQLREAEPTQREFLMEQLAPLKLSPRDKGLVIFLIE  170
consensus                                  ****** *    *     !*    *    !     *****  *!!  *       ** !**!* !! *!*!!*!!  ! * !**

logo

NTDB id 38990 MPQ RS01055 WP 013441028.1  TITDDGYLEQSLEELAEMLPPELEIDMLELQTALKHIQNLDPPGIGARNLAECLSLQLRALPPDTPYVDLAIKVAETHLPLLAAR  238
NTDB id 1425 RS RS02020 WP 011000369.1    SLDDEGYLTGSLDEILADLPAELEVELDELQAALRMLQSFDPAGIGARSAAECLTLQLQRLD..SPAKPLALTIVNQHLELLAAR  253
consensus                                 ** !*!!!  !!*!*   !!*!!!*** !!! !!***!  !!*!!!!!  !!!!*!!!  !****!  *!!* *   !!*!!!!!

logo

NTDB id 38990 MPQ RS01055 WP 013441028.1  DYAKLKKLLACDDDVLREVQQLVLQLNPRPGGEFSKITSDHYIQHEIVVKKIKGVWLAHLNDEVVPKLRINQLYAGILKRNRESS  323
NTDB id 1425 RS RS02020 WP 011000369.1    DYTRLKKALSVDDGELKAAHELIRSLAPFPGHAFGRAEAD.FVVPDVVVRKTAAGWMAQLNPDVMPRLRINDMYAQILRSSRGES  337
consensus                                 !! *!!! ! *!!  !*  * !*  ! ! !!* ! *   !***  **!!*!  * !*!*!!**!*!*!!!! *!! !!*  !  !

logo

NTDB id 38990 MPQ RS01055 WP 013441028.1  .SQYLMSQMQEAKWMIKNIQQRFSTILRVSQAIVDRQRNFFEHGEVAMRPLVLREIADELGLHESTVSRVTTRKYMLTPRGVYEL  407
NTDB id 1425 RS RS02020 WP 011000369.1    GAANLQQKLQEARWLIKNIQQRFDTILRVSQAIVERQKSFFTHGEIAMRPLVLREIADTLGLHESTISRVTTNKYMATPMGTFEL  422
consensus                                 *    !   *!!!*!*!!!!!!!! !!!!!!!!!!*!!* !! !!!*!!!!!!!!!!!! !!!!!!!*!!!!! !!! !! ! *!!

logo

NTDB id 38990 MPQ RS01055 WP 013441028.1  KYFFGSHVATESGGACSATAIRALIKQMVSEENPKKPLSDNQITDILGKQGIVVARRTIAKYRESLQIPAANQRRSL  484
NTDB id 1425 RS RS02020 WP 011000369.1    KYFFGSHVSTETGGAASSTAIRALIKQLVGAEDPKNPLSDSRIAELLGEQGFVVARRTVAKYREALKIPAVNLRKSL  499
consensus                                 !!!!!!!! !!*!!!*! !!!!!!!!!*!  ! !! !!!!  ! **!! !! !!!!!!*!!!!! ! !!! ! !*!!
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X non conserved

X similar

X $\geq$ 50% conserved