```
logo
NTDB id 146141 AA650 RS16890 WP 053539893.1  MTYSSPQGRSTAITIRTEFSPFANKLVASGYINNEQMRQALAMSRKTGKLLTEVLESITDRKLAPEQVTAYKKQHLFELK   80
NTDB id 1410 SGL RS13950 WP 010873519.1      MTSSSSSKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELK   80
consensus                                    !! !!*  *! !* *!  !!!!*!!!!! !**  !!*!!!!   *!!!* !*! !  *! ! ! !! *  !!!**!!!!!

logo
NTDB id 146141 AA650 RS16890 WP 053539893.1  ILYGIESLDTEINEIDTTNVGMLIQELIPVELCRRHYLVPLSRHDDQPSPYILMAMVDPDNLEASDDLNRILRPKGLSFQ  160
NTDB id 1410 SGL RS13950 WP 010873519.1      VLYGVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDP.PSVLVAMVDPDNLAAQDELNRILRVKGFELR  159
consensus                                    *!!!**!*!*!* *! ! *** !!    !** !!!*  *!!  **  !*! *!*!!!!!!!! ! !*!!!!!!*!!

logo
NTDB id 146141 AA650 RS16890 WP 053539893.1  RRVITQKDYLGIINQYLNEQAARQ...KTLDQQKNYDVKGDLDNLEN.LEIEE.SSDDDVDLDKAMKGADDAPIIKLVNR  235
NTDB id 1410 SGL RS13950 WP 010873519.1      RLVVTQDDFNQLLEQYYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNK  239
consensus                                    ! !*!! !*  ** !!        ***   !! *  !   !!  *  **** *   *!!!        !  !!*! !!!*

logo
NTDB id 146141 AA650 RS16890 WP 053539893.1  ILLKALSEGVSDIHIEPQEEYLRIRFRKDGVLREAFENMPKKIIPAVTARFKIISNLDIAERRLPQDGRIRRIFAGRKVD  315
NTDB id 1410 SGL RS13950 WP 010873519.1      ILAKALQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQGRKVD  319
consensus                                    !! !!! !! !!!!*!!!!! !!!!!!!!!!!  !!***!*!! !!! !!!!!*  *!!!!!! !!!!*!!!!* !!!!!

logo
NTDB id 146141 AA650 RS16890 WP 053539893.1  FRVNTLPSRYGEKVVLRILDNSSTQLGLDKLITDPETLKIVQDMVSKPFGLILVTGPTGSGKTTSLYSALSEKNDPGINI  395
NTDB id 1410 SGL RS13950 WP 010873519.1      FRVNTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEVNI  399
consensus                                    !!!!!!!!!!!!!!*!!!!!!! !!!!!! !!! !!!!  ! **  *!*!!*!!!!!!!!!!*!*!!! ! !*! ! *!!

logo
NTDB id 146141 AA650 RS16890 WP 053539893.1  STVEDPIEYSLPGITQVQVIREKGLDFSTALRAFLRQDPDVLLVGETRDKETAKTAIEAALTGHLVLTTLHTNDAPGAIA  475
NTDB id 1410 SGL RS13950 WP 010873519.1      NTAEDPIEYALPGITQVQVIREKGMDFSNILRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAAGAIA  479
consensus                                     ! !!!!!! !!!!!!!!!!!!!!*!!!   !!!!*!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!

logo
NTDB id 146141 AA650 RS16890 WP 053539893.1  RLGEMGIEPFMVSSSLIGVLAQRLVRRVCSECRIAYSPTIEELARYGLSASQEAQVTFYKANIIPPEEIV...SRKNLCP  552
NTDB id 1410 SGL RS13950 WP 010873519.1      RLDEMGVEPFMVSGSLLGVLAQRLMRKVCTECRIAYHPSKEELSRFGLSASGDEVVTFYKANSLSPDEIHLARQKGNLCQ  559
consensus                                    !! !!!*!!!!!! !!*!!!!!!!*!*!!*!!!!!!*!* !!! !*!!!!! *  !!!!!!! **!*!!**** * !!!*
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logo
NTDB id 146141 AA650 RS16890 WP 053539893.1  KCNGIGYKGRCGVYEVMRITEELQTLINKEAPTERIKEVAVEEGMKTLLAYSLDLVRQGATTLEEVERVTFTDTGLEAEL   632
NTDB id 1410 SGL RS13950 WP 010873519.1      KCSGSGYKGRVGVYEVMRNSERIAELINQGATTDRIKDCAVEEGMITLLAYSLNLVQEGYTTLEEVERVTFTDTGLESEM   639
consensus                                    !! ! !!!!!*!!!!!!! *! *  !!!  !*!*!!!**!!!!!! !!!!!!! !!  ! !!!!!!!!!!!!!!!!!! !*

logo
NTDB id 146141 AA650 RS16890 WP 053539893.1  KAKRKSGLTCRTCTGELQPEWLDCPYCMTPRFTD   666
NTDB id 1410 SGL RS13950 WP 010873519.1      RAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS.   672
consensus                                    *!!!!!*!!!!!! *!!!*!!!!!!!!!!*!!**
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X non conserved
X similar
X $\geq$ 50% conserved