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logo
NTDB id 121512 ayp1020 RS04470 WP 047796354.1  ....MSDPTLFDKSMIKGTVDAILFQNNDNFYTVLKVDTIETNESFD.SMPTVVGFLPNVVEGDVYTFKGQIVEHPRYGK   75
NTDB id 355 BSU 27480 NP 390625.1              MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGL   80
consensus                                      *****  * ! * * *!!!!  ****!  ! !!!!!!   !! !  **  **! !* ! * ! * !!! ! !! !!**!

logo
NTDB id 121512 ayp1020 RS04470 WP 047796354.1  QLKAETFEKELPQTKDAIISYLSSDLFKGIGKKTAQNIVNALGENAINDILNNPEVLEKVPSLPKKKQKQIAEQISSNQE  155
NTDB id 355 BSU 27480 NP 390625.1              QFQAEHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQG  160
consensus                                      !  !!*! !!*! !!**!! !!!!!!! !!!!!!!  !!  !!* !!! !!  * !!  !! !*!!!   *!  *  *!

logo
NTDB id 121512 ayp1020 RS04470 WP 047796354.1  SEKIMIRLHDLGFGPKLSMAIYQFYMGETLKILDENPYQLVYDIKGIGFNKADQLARNIGIAADSEERLKAGLLYTLEEE  235
NTDB id 355 BSU 27480 NP 390625.1              LEQIMISLNQFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETT  240
consensus                                       ! !!! !*  !!!! !!! !!! !  !!!  * !!!!!!! !* !!!! !!! !*  *!* * **!!*!!**!!!!!

logo
NTDB id 121512 ayp1020 RS04470 WP 047796354.1  CIKQGHTYLPNSYVIESTQTMLNDSSEVVIST..KMLEQKIEQLSEEKKLIQSEEQVSIPSLYYSELKSVQNLYRIQANN  313
NTDB id 355 BSU 27480 NP 390625.1              CLSEGHTYIETEQLIIDTQSLLNQSAREGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQT  320
consensus                                      !*  !!!!**   *!  !!**!! !       **    * !  ! ! ! **  *  *  !!!*! !      * *!  *

logo
NTDB id 121512 ayp1020 RS04470 WP 047796354.1  KKLKEIEQSDLQMHIGEIESLNQVNYATSQKEALETAINSKVMLLTGGPGTGKTTVIKGIVELYAEIHGLSLDYDDYNE.  392
NTDB id 355 BSU 27480 NP 390625.1              EYENQFPESEFLLALGELEERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKD  400
consensus                                            * !*  ***!!*!    !*!!*!!!!!*  !* !***!!!!!!!!!!!!!!*!!!!!!*!*!!*!!!*  !  *

logo
NTDB id 121512 ayp1020 RS04470 WP 047796354.1  DDYPVVLAAPTGRASKRLQESTGLEAMTIHRLIGWNQETQPEDILDNEINARLIIIDEMSMVDTWLFHQFLSAVPLDAQI  472
NTDB id 355 BSU 27480 NP 390625.1              EAFPIVLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQI  480
consensus                                      * *!*!!!!!!!!!! !!* !!!!!*!*!!!!!*!!!    * *  !**! **!*!!!! !!*! !! **   !*! * !!

logo
NTDB id 121512 ayp1020 RS04470 WP 047796354.1  VFVGDEDQLPSVGPGQVFKDLIDSKRIPRVNLTEVYRQQDGSSIVDLAHRMKVGE.PIDITQRFHDRSFINCTSDQIPDV  551
NTDB id 355 BSU 27480 NP 390625.1              IIVGDEDQLPSVGPGQVLRDLLASQVIPTVRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEV  560
consensus                                      * !!!!!!!!!!!!!!! *!!* !  !! ! !!**!!! *!!!!!*!!! !! ! *!  *! * *!!!!! !   !!**!
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logo

NTDB id 121512 ayp1020 RS04470 WP 047796354.1  VDKVVKSAVSKGYNMSDIQVLAPMYKGNAGIKRLNQVLQSILNPKEKDSREIEFGDVVFRKGDKVLQLVNRPNDNIFNGD   631
NTDB id 355 BSU 27480 NP 390625.1              VEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNVMLQDILNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGD   640
consensus                                      !*!!!  !* !!!   !!!!!!!!!*! !!!  !! *!! !!!!*    !!* !!!!!*! !!!*!!!!! !  !*!!!!

logo

NTDB id 121512 ayp1020 RS04470 WP 047796354.1  IGVIVGIFWAKENALNKDVIVVDFEGNEITFTRQDLLELTHAYCTSIHKSQGSEFPIVIMPIVKQYFRMLQRPILYTGLT   711
NTDB id 355 BSU 27480 NP 390625.1              IGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAIT   720
consensus                                      !! !  !!*!!!!    !* !! !*!!!*!!!* !    !!!!!*!!!!!!!!!!!!!**!*!! !*!!! !**!!!**!

logo

NTDB id 121512 ayp1020 RS04470 WP 047796354.1  RAKQSLVLLGDPQAFDIGLKTKGQERL.TQLNHLLKSYFGDEQEVIGSSGHSSVNSTEKHDTTQTEEENATTDAPHNDIV   790
NTDB id 355 BSU 27480 NP 390625.1              RAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLSV.........................QVEEMDAELEALQ....   770
consensus                                      !!!  !*!*!** ! * !*!       *! ! * !  **************************! !!  !  *!******

logo

NTDB id 121512 ayp1020 RS04470 WP 047796354.1  LSETTIFKIDPMINMGEMTPYDFAEH...   816
NTDB id 355 BSU 27480 NP 390625.1              .KELPFSVHDANIGMEGITPFDFMKEEQQ   798
consensus                                      * ! *   *!* ! !  *!!*!!  ****
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X non conserved

X similar

X ≥ 50% conserved