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logo
NTDB id 29538 USA300HOU RS08620 WP 001283311.1  ....MSDPTLFDYSMIKGTVEAILFQNSDNFYTVLKVDTIETNEDFD.TMPTVVGFLPNIVEGDVYTFKGQVVDHPRYGK   75
NTDB id 355 BSU 27480 NP 390625.1               MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGL   80
consensus                                       *****  * ! * * *!!!!  ****!  ! !!!!!!   !! !  **  **! !* ! * ! * !!! ! *! !!**!

logo
NTDB id 29538 USA300HOU RS08620 WP 001283311.1  QLKAETFEKEMPQTKEAIISYLSSDLFKGVGKKTAQNIVNTLGDNAINDILDDHSVLEKVSGLSKKKQKQIAEQISANQE  155
NTDB id 355 BSU 27480 NP 390625.1               QFQAEHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQG  160
consensus                                       !  !!*! !!*! !!!*!! !!!!!!! !*!!!!!  !!  !!! !!! !! !*!!!  !* !!!!!   *!  *  *!

logo
NTDB id 29538 USA300HOU RS08620 WP 001283311.1  SEKIMIRLHDLGFGPKLSMAIYQFYLGDTLTILDRNPYQLIYDIKGIGFNKADQLARNIGIAYNDNERLKAALLYTLEEE  235
NTDB id 355 BSU 27480 NP 390625.1               LEQIMISLNQFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETT  240
consensus                                        ! !!! !*  !!!! !!! !!! !  *!!  *  !!!!!* !* !!!! !!! !*  *!*  !**!!*!!!*!!!!!

logo
NTDB id 29538 USA300HOU RS08620 WP 001283311.1  CIKQGHTYLPINVVIDLTVDVLNYQDEEVI..EPEKLDEMLQYLNEEKRLIIDNEQVAIPSLYYSEIKSVQNLFRIKTHT  313
NTDB id 355 BSU 27480 NP 390625.1               CLSEGHTYIETEQLIIDTQSLLNQSAREGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQT  320
consensus                                       !*  !!!!**   *!  !  *!!    !  ** *      *  ! ! ! **!*   *  !!!*! !      * *! **!

logo
NTDB id 29538 USA300HOU RS08620 WP 001283311.1  NKLTEIEQSDLQMHIGEIEDANQVNYAASQKEALQTAINSKVMLLTGGPGTGKTTVIKGIVELYAEIHGLSLDYDDYVN.  392
NTDB id 355 BSU 27480 NP 390625.1               EYENQFPESEFLLALGELEERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKD  400
consensus                                             * !*  ***!!*!*   !*!!*!!!!!*! !* !***!!!!!!!!!!!!!!!*!!!!!*!*!!*!!!*  !  *

logo
NTDB id 29538 USA300HOU RS08620 WP 001283311.1  DDYPVVLAAPTGRASKRLQESTGLEAMTIHRLIGWNQDTKPEDILENEINARLIIIDEMSMVDTWLFHQFLSAVPLDAQL  472
NTDB id 355 BSU 27480 NP 390625.1               EAFPIVLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQI  480
consensus                                       * *!*!!!!!!!!! !!* !!!!!*!*!!!!!*!!!    * *  ***! **!*!!!! !!*! !! **   !*! * !*

logo
NTDB id 29538 USA300HOU RS08620 WP 001283311.1  IFVGDEDQLPSVGPGQVFKDLIESKAIPRVNLTEVYRQQDGSSIIELAHRMKLGQKI.DITQRFHDRSFINCQANQIPTV  551
NTDB id 355 BSU 27480 NP 390625.1               IIVGDEDQLPSVGPGQVLRDLLASQVIPTVRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEV  560
consensus                                       ! !!!!!!!!!!!!!!! *!!* !  !! ! !!**!!! *!!!!*!!!! !! !  ** *! * *!!!!! ! * !!* !
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logo

NTDB id 29538 USA300HOU RS08620 WP 001283311.1  VEKVVTSAVNKGYTMADIQVLAPMYKGNAGIKRLNQVLQDILNPKKKKDTREIEFGDVVFRKGDKVLQLVNRPNDNIFNGD   631
NTDB id 355 BSU 27480 NP 390625.1               VEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNVMLQDILNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGD   640
consensus                                       !!!!!  !* !!!!  !!!!!!!!!*! !!!  !! *!!!!!!!*!   !!* !!!!!*! !!!*!!!!! !  !*!!!!

logo

NTDB id 29538 USA300HOU RS08620 WP 001283311.1  IGVIVGIFWAKENALNKDVLVVDFEGNEITFTKQDMMELTHAYCTSIHKSQGSEFPIVIMPIVKQYFRMLQRPILYTGLT   711
NTDB id 355 BSU 27480 NP 390625.1               IGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAIT   720
consensus                                       !! !  !!*!!!!    !* !! !*!!!*!!!! !    !!!!!*!!!!!!!!!!!!!**!*!! !*!!! !**!!!**!

logo

NTDB id 29538 USA300HOU RS08620 WP 001283311.1  RAKTSLVLLGDPEAFDIGLKTNGQARLTQLCTLLKNYFNSEDEEMLENTATNDTGASQTTIDDQVEAPMSSNDSEEVMSD   791
NTDB id 355 BSU 27480 NP 390625.1               RAKKFLILCGEEEALEWGVKNNDATVRQ...TSLKNRLSVQVEEMDA................ELE..............   767
consensus                                       !!!  !*!*!**!! * !*! !      ***! !!!      !!!  *************** *!**************

logo

NTDB id 29538 USA300HOU RS08620 WP 001283311.1  STKTDTNVLTEATMFKIDPMINMGEITPYDFIER...   825
NTDB id 355 BSU 27480 NP 390625.1               ......ALQKELPFSVHDANIGMEGITPFDFMKEEQQ   798
consensus                                       ****** *  ! *   *!* ! !  !!!*!!*  ***
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X non conserved

X similar

X $\geq$ 50% conserved