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logo
NTDB id 1007351 BACILLUS RS24650 WP 034648822.1  MNEEQVNPSQPERHYISGTSIVTVFHNEENLYNVTRIRIKKTNLEIEDKETVVTGYFPKLNEDEVYTFYGDFKEHPKFGL   80
NTDB id 355 BSU 27480 NP 390625.1                MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGL   80
consensus                                        !* ** **  *!  !* !!    **!!* !!! ! **** !  !!!!  !!!!!! !*!*! !!!!!    !!!!!!

logo
NTDB id 1007351 BACILLUS RS24650 WP 034648822.1  QFHVEQFKKELPQSRQGVVQYLSSDLFHGIGKKTAENIVDALGERAIFRILQNESVLKEVPRLSADKAEALVTQLREHQG  160
NTDB id 355 BSU 27480 NP 390625.1                QFQAEHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQG  160
consensus                                        !!* !*!!!!*! ** !**!!!!!!!!*!!!!!!!! !!  !!* !! *!!   !!! *!!!!!  !!* !   !  !!!

logo
NTDB id 1007351 BACILLUS RS24650 WP 034648822.1  LEEVMVKLTDLGFGPQLSMKIFQAYKQEALEIVQNNPYQLVEDIQGIGFSRADELGKRLGMATNHPDRLRAGILYVIEQE  240
NTDB id 355 BSU 27480 NP 390625.1                LEQIMISLNQFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETT  240
consensus                                        !! *!* !   !!!!!!!!!!*!!!  ! !! *! !!!!!! !* !!!! *!!!!! !*!*  !!!*!**!*!!! *!

logo
NTDB id 1007351 BACILLUS RS24650 WP 034648822.1  CNQMGHVYVTADQLYGKTAELLRKSRHE..NLSEMDLTREVDALKADKKLIIQDEKIYFPPLFYAEKGLVKAIQKIMAQT  318
NTDB id 355 BSU 27480 NP 390625.1                CLSEGHTYIETEQLIIDTQSLLNQSAREGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQT  320
consensus                                        !   !! !*  *!!   !  !!  ! *!** **!!!    * !!   ! **! ! **!!!*!!!!!  * ! * *!  !!

logo
NTDB id 1007351 BACILLUS RS24650 WP 034648822.1  QYEEQFPESEFLLALGELEERLDVQYAPSQRKGIQTALMSPMLLLTGGPGTGKTTVIKGIVELYAELHGCSLNPGDYKKD  398
NTDB id 355 BSU 27480 NP 390625.1                EYENQFPESEFLLALGELEERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKD  400
consensus                                         !! !!!!!!!!!!!!!!!!!!*!!!!!!!!* *!! !! !!!!!!!!!!!!!!!!!!!!*!!!!!!*!!!!*!! !   !!!!

logo
NTDB id 1007351 BACILLUS RS24650 WP 034648822.1  EAFPVLLVAPTGRAAKRMSEATGLPAVTIHRLLKWNGQEGFDHNEENPIDGKLLIVDEVSMVDLWLAHQLFKSLPANLQV  478
NTDB id 355 BSU 27480 NP 390625.1                EAFPIVLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQI  480
consensus                                        !!!!**! !!!!!!!!!!!!! !!!!!!!!!!!! !!!  !!!  !  !**!!*!!!!!*!! !!*!*!!!**!!!  *!  **!*

logo
NTDB id 1007351 BACILLUS RS24650 WP 034648822.1  ILVGDEDQLPSVGPGQVLKDLLSSEVVPTVRLTDVYRQAEGSSIIDLAHEIKKGKLPEDLSRQQGDRSFIRCQGQHITNV  558
NTDB id 355 BSU 27480 NP 390625.1                IIVGDEDQLPSVGPGQVLRDLLASQVIPTVRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEV  560
consensus                                        !*!!!!!!!!!!!!!!!!!*!!!  ! !*!!!!!!!*!!!!!!!!!**!!!  *!  !  !!   !* *  !!!!!!!  ! *!   !
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logo

NTDB id 1007351 BACILLUS RS24650 WP 034648822.1  VQQVCGNALKKGYTAKDIQVLAPMYKGPAGIDKLNEVLQELFNPASEQRRELKHGDITYRVGDKVLQLVNQPDSNVFNGD   638
NTDB id 355 BSU 27480 NP 390625.1                VEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNVMLQDILNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGD   640
consensus                                        !  !**!!!!!!!!!!!!!!!!!!*!*!!!  !! *!!** !!* ! !!!!!*!!* !! !!!*!!!!!!!* !!!!!!

logo

NTDB id 1007351 BACILLUS RS24650 WP 034648822.1  MGEIVSVFFAKENTEKQDMLVISYEGNEVTYTKQDFNQITHAYCCSIHKSQGSEFPIVVLPIVKSYYRMLRRNLLYTAVT   718
NTDB id 355 BSU 27480 NP 390625.1                IGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAIT   720
consensus                                        *!!! !*!*!!!!!!! !! !*!**!!!*!*!! !!!! !!!!!!!!!!!!!!!!!!!!!!!*!! !!!!!!!!!!!!!*!

logo

NTDB id 1007351 BACILLUS RS24650 WP 034648822.1  RSKQFLILCGEDEAFQLGVSRNEDSIRQTNLQPLLRESL...DNDI..EDPEIPF.MKDANIGMENVTPYDFM.....   785
NTDB id 355 BSU 27480 NP 390625.1                RAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLSVQVEEMDAELEALQKELPFSVHDANIGMEGITPFDFMKEEQQ   798
consensus                                        ! ! !!!!!!!*!!   !!  !* **!!! ! * !   ****! ****  *!*!!***!!!!!!! *!!*!!!*****
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X non conserved

X similar

X $\geq$ 50% conserved