```
logo
NTDB id 53120 LMOSLCC5850 RS07815 WP 014600848.1  MAEQESLALFDDTTEELFMKGTMLSTIFYNAENLFSVVRILVKETNADWDEKDIIVTGFFPALHEQEVYTFYGKMQEHAK   80
NTDB id 355 BSU 27480 NP 390625.1                 MQQH...PDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPK   77
consensus                                         !  *****      !!***!!!* * !**!  !!**!*** ! !!    **! * !!!*!!!!*! ! !!!!!!*  !*!

logo
NTDB id 53120 LMOSLCC5850 RS07815 WP 014600848.1  FGQQFKADRFRKEMPQSRAGLINYLSGELFKGIGKVTAENIVDTIGDDAITKILSDPSLLNTVPKLPSGAAESLLASLRE  160
NTDB id 355 BSU 27480 NP 390625.1                 FGLQFQAEHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQR  157
consensus                                         !! !! !**!*!!*! ** !*!*!!! *!! !!!! !!! !!  *!! !! !!! !*!*!  !!*!*   !**! * !

logo
NTDB id 53120 LMOSLCC5850 RS07815 WP 014600848.1  NQGLEHVMVGLNEYGFGPQLSMKIFQAYKQNAIEVLENNPYKLIEDVKGIGFQRADELGRKLGLGGNHPERLRAGILFML  240
NTDB id 355 BSU 27480 NP 390625.1                 HQGLEQIMISLNQFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTL  237
consensus                                         *!!!!**!* !! *!!!!!!!!!!*!!!    *! *  !!! !* !! !!!! *!!!!! **!! !!!!!!**!*!!* !

logo
NTDB id 53120 LMOSLCC5850 RS07815 WP 014600848.1  DSVCMQQGHVYMEQEVLLGEVTYLLEES..EGIRIDQSILVAQVEKLAEEQKIITENTRVYMPSLYYSESGFAYHVKRML  318
NTDB id 355 BSU 27480 NP 390625.1                 ETTCLSEGHTYIETEQLIIDTQSLLNQSAREGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIA  317
consensus                                         ** !*  !! !*! ! !* *   !!  !**!! !!       *  !*!   !* !  !*! !!!*! !   ! *!!**

logo
NTDB id 53120 LMOSLCC5850 RS07815 WP 014600848.1  KQTEYQEQFPQSEFLLALGELEERIGVHYGDSQRQALEQALMSPMLVLTGGPGTGKTTVIKGIVELYAELNGVSLDPHAY  398
NTDB id 355 BSU 27480 NP 390625.1                 SQTEYENQFPESEFLLALGELEERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAY  397
consensus                                          !!!!  !!! !!!!!!!!!!!!!* !*!**!!* !*  !! !!!!*!!!!!!!!!!!!!*!!!!!!*!!*!!!!!!*!!

logo
NTDB id 53120 LMOSLCC5850 RS07815 WP 014600848.1  KDGATFPVLLAAPTGRAAKRMSESTGLPAMTIHRLLGMNGQEQMDDDAERLIDGRLLIVDEMSMVDIWLANQLFRALPAH  478
NTDB id 355 BSU 27480 NP 390625.1                 KKDEAFPIVLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDH  477
consensus                                         !    !!**!!!!!!!!!!!!!!!!!!!!!*!!!!!!! !! !    *  * *!*!*!!!*!! !!*!!!!!!*!!*!*! !

logo
NTDB id 53120 LMOSLCC5850 RS07815 WP 014600848.1  MQVVLVGDQDQLPSVGPGQVLKDILQSEQIPTVALSDIYRQKDGSSIIEMAHYIKEGMLPADFTKNSADRSFFHCTVNQI  558
NTDB id 355 BSU 27480 NP 390625.1                 IQIIIVGDEDQLPSVGPGQVLRDLLASQVIPTVRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQI  557
consensus                                         *!***!!! !!!!!!!!!!!!!*!*! !  !!!! !*!!!!! *!!!!*!*!! *! !*!!   ! ** !!!! *!   !!
```

```
logo

NTDB id 53120 LMOSLCC5850 RS07815 WP 014600848.1  GDVVEQVVKNAKNKGFRAKDIQVLAPMYRGPAGIDILNKKLQEIFNPNDTGRRKEVQYGDIKYRVHDKVLQLINQPEKNV   638
NTDB id 355 BSU 27480 NP 390625.1                 KEVVEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNVMLQDILNPPKE.KRRELKFGDVVYRTGDKILQLVNQPENNV   636
consensus                                          *!!! !! !!  !!* !!!!!!!!!!!!!*!!!  !!  !!*! !!*  **!*!* *!!* !! *!!*!!!*!!!! !!

logo

NTDB id 53120 LMOSLCC5850 RS07815 WP 014600848.1  FNGDIGEIVSIIYAKENTEKQDLIVVQFDQTEVSYYRQEFNQLTHAYCCSIHKAQGSEFPIVIMPIVRSYYRMLRRDLLY   718
NTDB id 355 BSU 27480 NP 390625.1                 FNGDIGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLY   716
consensus                                         !!!!!!!! !! !!!!!!!! !* !! !!  !*** * *!!! !!!!!!!!!! !!!!!!!!**!*!* !!!!!!! !!!

logo

NTDB id 53120 LMOSLCC5850 RS07815 WP 014600848.1  TGVTRSKQFLILCGEEEAFRMGIERIDENKRNTTLSERLMSEDVLLEQMTNKRILTAENITEIDPMIGMEGITPEQFMVG   798
NTDB id 355 BSU 27480 NP 390625.1                 TAITRAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLSVQVEEMDA.ELEALQKELPFSVHDANIGMEGITPFDFMKE   795
consensus                                         !**!! ! !!!!!!!!!!   !*   !   !*!*!  !!      ** *    *    * * *!* !!!!!!!!  !!

logo

NTDB id 53120 LMOSLCC5850 RS07815 WP 014600848.1  ...   798
NTDB id 355 BSU 27480 NP 390625.1                 EQQ   798
consensus                                         ***
```

X non conserved

X similar

X ≥ 50% conserved