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logo
NTDB id 133988 Mpt1 RS07175 WP 048113507.1  MSDERPINNSNRGPGRNRVTEKPKDFKGTWVKLIRYGKNFLPLIIIVMAVVCVSTALQVISPIYLGDMATAISDIINLHSPNFLK   85
NTDB id 370 SMU RS04260 WP 002263294.1      ..................MENKKK...SLLSQMAPYLKGYKALFGLAVIFTIVSSTITVIGPDRLKEMTDTM.......TKGLAG   57
consensus                                   ******************  !*!***     * *! ! * *!  * *   *!!* * !! !  ! *!   **********

logo
NTDB id 133988 Mpt1 RS07175 WP 048113507.1  PLDMDYIVGIGMLLIFMFAFVAMFNFTQGWILATVTQKISKQMRTDVSKKINRLPFRFFHKTSYGDVMSYLTNDIDTIGMTLNQS  170
NTDB id 370 SMU RS04260 WP 002263294.1      KIDLDKIGEIALTLALLYFAGALVSYTASFIVSTLIQKFSQRLRNAIADKINKVPLKYFLSHSQGDTLSRVTNDVDLMTQSFNQS  142
consensus                                   **!*! !  !** !  **   !*  *!  *!* !* !! !  *!  *  !!!**! **!* *! !! *! *!!!*! *  * !!!

logo
NTDB id 133988 Mpt1 RS07175 WP 048113507.1  LSGLFTSVALLVGSVIAMLFTNWIMAATAILSSLAGFALMAVIIKRSQRYFAAQQRDLGNVNGHVEEAYTGHTIIKAYNNSKAFR  255
NTDB id 370 SMU RS04260 WP 002263294.1      LVSMVAAIILLIGSIFMMIKTNGALAATAILSVFAGFVLSTVIMAKSQPLFKKQQANLADVSGYVEEVYSGHNVVSSYNAIQQSK  227
consensus                                   !  *   * !!*!!*  !* !!  *!!!!!!!  !!! !  !!* *!!* !  !!  !* ! !*!!! !*!! **  !!      *

logo
NTDB id 133988 Mpt1 RS07175 WP 048113507.1  QKFEDINNKLYVSGWKSQFFSGLTFPLMSFVGNFGYVMVSIVGAVLVVNGSIPFGTIVTFMIFVRLFTQPLAQLAQAVTTLQRTA  340
NTDB id 370 SMU RS04260 WP 002263294.1      KQFENLNDQLFASMWKSQFFSGIMMPLMQFIGNFGYVMVCIVGATMAINGDITMGTIVAFMTYVRIFTQPIAQIAQGITQLQSAN  312
consensus                                     !! *!  !* ! !!!!!!!!*  !!! !*!!!!!!!!*!!!! * *!! !* !!!! !! *!!*!!!!*!!*!!**! !!

logo
NTDB id 133988 Mpt1 RS07175 WP 048113507.1  AASERVFTFLEVEEMEDESQKVKRLTGVKGHVEFKNVKFGYVPEKTVIHNFSADVKAGQKIAIVGPTGAGKTTLVNLLMRFYEVD  425
NTDB id 370 SMU RS04260 WP 002263294.1      AAMGRVFEFLDEEEIEDENHKVKQLEKVEGNVNFDNVFFGYSPDKTIIHDFSAHAKAGQKIAIVGPTGAGKTTIVNLLMRFYEVD  397
consensus                                   !!   !!! !!* !!*!!! *!!! !  ! !*! ! !! !!! !*!!*!! !!!* !!!!!!!!!!!!!!!!!!*!!!!!!!!!!!

logo
NTDB id 133988 Mpt1 RS07175 WP 048113507.1  GGEILIDGVPTSEVPREDVHNQFGMVLQDTWLFEGTIKENLIYSEKNITDEQVENACKTVGLDHFIQTLPDKYDTVLNESMSLSE  510
NTDB id 370 SMU RS04260 WP 002263294.1      RGMISIDGVNIHDMTRKEVHDAFAMVLQDTWLFEGTVKENLIYNQKHITDEQVIAAAKAVGVHHFIKTLPKGYDTVLDDSVTLSV  482
consensus                                    ! ! !!!!* ****! *!!  !*!!!!!!!!!!!!*!!!*!!  !*!!!!!!  !*! !!**!!! !!!  !!!!! *!**!!

logo
NTDB id 133988 Mpt1 RS07175 WP 048113507.1  GQKQLLTIARALIKDSPLLILDEATSSVDTRTERIVQAAMDKLTVGRTSFVIAHRLSTIKNADKILVIRDGDVVESGSHDQLLAK  595
NTDB id 370 SMU RS04260 WP 002263294.1      GQKQLLTIARALLKDAPLLILDEATSSVDTRTEELIQRAMDHLMEGRTSFVIAHRLSTIRNADLILVMRDGNIIEQGSHDQLMAE  567
consensus                                   !!!!!!!!!!!**!! !!!!!!!!!!!!!!!!!! **! !!!*!  !!!!!!!!!!!!!!!*!!! !!!*!!! **! !!!!!!*!
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logo

NTDB id 133988 Mpt1 RS07175 WP 048113507.1    NGFYAGLYNSQFEGCDG   612
NTDB id 370 SMU RS04260 WP 002263294.1        NGFYADLYNSQFTEEVA   584
consensus                                     !!!!! !!!!!!  * *
```

X non conserved
X similar
X $\geq$ 50% conserved