```
logo
NTDB id 48396 PPM RS12280 WP 013371191.1  MLKIFKYLKKNEWMFVLCSLAFIVVQVWLDLKLPDYMAEITTKLQTAGTPMSELLIPGIYMLLCAVGSMIASIIVGYFAAKVAAG   85
NTDB id 369 SMU RS04255 WP 002263293.1    MFKIFKRLNAKEWGMVLLSTAFICLAVWMDLKTPEYMSNITTLLQTKGTTASDIMDPGSKMLMFSFGSFFMAVLVGFLASRTAAS   85
consensus                                 ! !!!! !   !!  !!*! !!!** !!*!!! !*!!  !!! !!! !!* !*** !!  !!**  !!    **!!* ! * !!

logo
NTDB id 48396 PPM RS12280 WP 013371191.1  LAMRLRAMVFDKALSFSMEEMNSFSTASLITRSTNDVTQIQTVVALGLQVIIKAPILAVWAIAKIADKNWQWTASTGVAVAVLIL   170
NTDB id 369 SMU RS04255 WP 002263293.1    FTTRLRSDIFNRVMDYSEAEIKKFSIPSLLTRTTNDLTQLQIMIVMGMQVVTRGPIMAVWALTKIWGKSDEWTGAVGVAVLIVFI   170
consensus                                    !!!  *! * * *!  !*  !! *!!*!!*!!!*!!*! ** *!*!!* **!!*!!!!* !!  !   !!*  !!!! ** *

logo
NTDB id 48396 PPM RS12280 WP 013371191.1  MLSVIVIFALPSFQKIQRLTDNLNRVTREHLTGLRVVRAYNADQYQEEKFGQANAELTNTNLFANRLMAMVGPGMTFIMSGLSVS   255
NTDB id 369 SMU RS04255 WP 002263293.1    MLSVLMFVAFPRQRQVQSLTDALNSTTRESLTGVRVVRAYNAEDYQDTKFKRENKNLTKLNLLVYRLMSLMNPVMTVVSSGLTLA   255
consensus                                 !!!!**  ! !    *! !!! !!  !!!*!!!*!!!!!!!!* !!* !!   !  !!  !!   !!! ** ! !! * !!!**

logo
NTDB id 48396 PPM RS12280 WP 013371191.1  IYWIGTYLINGAA............VPDRVTLFSNMVVFSSYAVQVVMAFMMVSMIFFLMPRASISAKRIMEVLNTESRIIDGHE   328
NTDB id 369 SMU RS04255 WP 002263293.1    IYWIGAYLLNDIKIPMTSVTAAKGAIADRISVFSDMVVFSSYAMQVVVGFMMMVAIFIILPRALVSAKRINEVLALNSSVHFKEY   340
consensus                                 !!!!! !!*!   **************!!***!! !!!!!!!!*!!!**!!!*  !!  **!!! *!!!!! !!!   ! **  *

logo
NTDB id 48396 PPM RS12280 WP 013371191.1  IAGEEGVMGQVEFRNVSFKYPDAEEPVLRNISFTAKQGETVAFIGATGSGKTSVINLISRFYDVTEGEVLVDGVNVRNYKQQTLH   413
NTDB id 369 SMU RS04255 WP 002263293.1    SKADNARKGEVEFHDVSFRYSKNSRAVIEHVSFSAKAGETVAFIGSTGSGKSTLVNLIPRFYDATEGWIKIDGIKVQDYSHDDLN   425
consensus                                 * ** *  ! !!!* !!!*!*    *!* **!!*!! !!!!!!!! !!!!!****!!!*!!!! !!! * *!!* !  ! *  !*

logo
NTDB id 48396 PPM RS12280 WP 013371191.1  NKIGYVPQRAVLFSGTVASNVSYGDNGRAEVSEKLVKAAVEIAQGTEFVEKMDGQYQGRISQGGANVSGGQKQRLSIARAIYRQP   498
NTDB id 369 SMU RS04255 WP 002263293.1    NKVGYIPQRAVLFSGTIRSNIAFGQSDQAPLDDAKIWEALELAQAKNFVEEKEKGLDTEVAQGGTNFSGGQKQRLAIARALARKP   510
consensus                                 !!*!!*!!!!!!!!!!* !!* *!    !** *  *  !*!*!!*  !!!  *     * !!! ! !!!!!!!! !!!!* ! !

logo
NTDB id 48396 PPM RS12280 WP 013371191.1  EIYIFDDSFSALDYRTDRVLRSALKQETGHATTLIVAQRIGTIKDTDRIIVLDQGEIVGNGTHEELMANCSTYQEIAYSQLSKEE   583
NTDB id 369 SMU RS04255 WP 002263293.1    EILIFDDSFSALDYKTDRILRNDLAKKTKEMTKLIVAQRISTIMDADHILVLDQGKVVGQGTHKELLANNDIYQEIAYSQLSKEE   595
consensus                                 !! !!!!!!!!!!!*!!!*!!   !   ! * ! !!!!!!! !! ! !*!*!!!!! *!!*!!! !!*!!*  !!!!!!!!!!!!!
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logo

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NTDB id 48396 PPM RS12280 WP 013371191.1  LVHGQE   589
NTDB id 369 SMU RS04255 WP 002263293.1    LENGK.   600
consensus                                 ! *! *
```

X non conserved

X similar

X $\geq$ 50% conserved