```
logo
NTDB id 166885 APT62 RS03515 WP 059348721.1  MLKILAKANKKEKFFALLSVLLIMLQVYLELEIPDYMSEITELLQMPDTVTADIWEPGLIMVGLSLASFASAILVGFFAA   80
NTDB id 369 SMU RS04255 WP 002263293.1       MFKIFKRLNAKEWGMVLLSTAFICLAVWMDLKTPEYMSNITTLLQTKGTTASDIMDPGSKMLMFSFGSFFMAVLVGFLAS   80
consensus                                    ! !!  * ! !!    !!!   !*! !***!  !*!!! !! !!! * !   !! *!!  !*  ! *!!  !*!!!! !

logo
NTDB id 166885 APT62 RS03515 WP 059348721.1  RIAASLTARIRGEVFDKVMSYSANEINQFSVPSLVTRSTNDLTQIQMLIALGLQVVLRGPIMSIWAIAKISGQNWQWSMT  160
NTDB id 369 SMU RS04255 WP 002263293.1       RTAASFTTRLRSDIFNRVMDYSEAEIKKFSIPSLLTRTTNDLTQLQIMIVMGMQVVTRGPIMAVWALTKIWGKSDEWTGA  160
consensus                                    ! !!! ! !*! **! *!! !!  !! !!*!!!*!!*!!!!!!*!**! *!*!!! !!!!! *!!* !! !    !*

logo
NTDB id 166885 APT62 RS03515 WP 059348721.1  TAVAVGVLLVMIGFIMYFAVPRFSKIQTLTDNLNAVTRENLTGLRVIRAYNAEEYQNKKFAKANDDLTNTQLFVNRVMGI  240
NTDB id 369 SMU RS04255 WP 002263293.1       VGVAVLIVFIMLSVLMFVAFPRQRQVQSLTDALNSTTRESLTGVRVVRAYNAEDYQDTKFKRENKNLTKLNLLVYRLMSL  240
consensus                                     *!!! ** *!*  *!* ! !!   *!*!!! !!  !!! !!!*!!*!!!!!!*!!  !! * !  !!  *! ! !*! *

logo
NTDB id 166885 APT62 RS03515 WP 059348721.1  MQPGMTLVSSSLTLVYYWSGAYLIADAAQ..........GTAQINLFSDMVVFSSYAMQVIIGFLLMVMIFMILPRAIV  309
NTDB id 369 SMU RS04255 WP 002263293.1       MNPVMTVVSSGLTLAIYWIGAYLLNDIKIPMTSVTAAKGAIADRISVFSDMVVFSSYAMQVVVGFMMMVAIFIILPRALV  320
consensus                                    !*! !!*!!! !!! *!! !!!!* !   **********    ! *!!!!!!!!!!!!!!**!!**!! !!*!!!!!*!

logo
NTDB id 166885 APT62 RS03515 WP 059348721.1  SAKRINQVLDLAPSIDFKEDAI.QTSEQGSVEFKNVTFKYGDDAKPALKDINFKINKGETLAIIGSTGSGKSTLIQMIPR  388
NTDB id 369 SMU RS04255 WP 002263293.1       SAKRINEVLALNSSVHFKEYSKADNARKGEVEFHDVSFRYSKNSRAVIEHVSFSAKAGETVAFIGSTGSGKSTLVNLIPR  400
consensus                                    !!!!!! !! ! *!**!!!   *     ! !!!* !*!*!    ** * ** !    !!!*! !!!!!!!!!!!***!!!

logo
NTDB id 166885 APT62 RS03515 WP 059348721.1  LYDVSEGQVLVDGQNVKDFDHAGLNNIVGYMPQKPVLFSGTIRSNMNLGESNEHLEHESLSDAEIWAALDTAQARDFVEG  468
NTDB id 369 SMU RS04255 WP 002263293.1       FYDATEGWIKIDGIKVQDYSHDDLNNKVGYIPQRAVLFSGTIRSNIAFGQSDQ....APLDDAKIWEALELAQAKNFVEE  476
consensus                                     !! *!! * *!!   ! !* !  !!! !!!*!!**!!!!!!!!!!*   ! !   **** *! !! !! !!* !!!* !!!

logo
NTDB id 166885 APT62 RS03515 WP 059348721.1  EPDQLDTHVAQGGNNFSGGQKQRLGIARVLARKPEILIFDDSFSALDYQTDKTLRGVLAERMADTTKIIVAQRISTIMDA  548
NTDB id 369 SMU RS04255 WP 002263293.1       KEKGLDTEVAQGGTNFSGGQKQRLAIARALARKPEILIFDDSFSALDYKTDRILRNDLAKKTKEMTKLIVAQRISTIMDA  556
consensus                                     *  !!!*!!!!! !!!!!!!!!!*!!!  !!!!!!!!!!!!!!!!!!!! !!* !!  !! *  * !!*!!!!!!!!!!!!
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logo
NTDB id 166885 APT62 RS03515 WP 059348721.1  DEILVLDRGEIVGRGTHQELLADNKVYQEIAYSQLSEEELAND.   591
NTDB id 369 SMU RS04255 WP 002263293.1       DHILVLDQGKVVGQGTHKELLANNDIYQEIAYSQLSKEELENGK   600
consensus                                    !*!!!!! ! *!! !!! !!!! ! *!!!!!!!!!! !!! ! *
```

X non conserved

X similar

X $\geq$ 50% conserved