```
logo
NTDB id 220482 B4V02 RS21625 WP 094156359.1  MLKIFKYLKKNEWMFVLCSLAFIVVQVWLDLKLPDYMAEITTKLQTAGTPVSELLIPGSYMLLCAVGSMIASIIVGYFAA   80
NTDB id 369 SMU RS04255 WP 002263293.1       MFKIFKRLNAKEWGMVLLSTAFICLAVWMDLKTPEYMSNITTLLQTKGTTASDIMDPGSKMLMFSFGSFFMAVLVGFLAS   80
consensus                                    ! !!!! !   !!  !!*! !!!** !!*!!! !*!!  !!! !!! !!* !*** !!! !!**  !!    **!!* !

logo
NTDB id 220482 B4V02 RS21625 WP 094156359.1  KVAAGLAMRLRAMVFDKTLSFSMEEMNSFSTASLITRSTNDVTQIQTVVALGLQVIIKAPILAVWAIMKIADKNWQWTAS  160
NTDB id 369 SMU RS04255 WP 002263293.1       RTAASFTTRLRSDIFNRVMDYSEAEIKKFSIPSLLTRTTNDLTQLQIMIVMGMQVVTRGPIMAVWALTKIWGKSDEWTGA  160
consensus                                    * !!    !!!  *! * * *!  !*  !! *!!*!!*!!!*!!*! ** *!*!!* **!!*!!!!* !!  !   !!*

logo
NTDB id 220482 B4V02 RS21625 WP 094156359.1  TGAAVAVLILMLSVIIIFALPSFQKIQRLTDNLNRVTREHLTGLRVVRAYNADEYQEEKFGQANVELMNTNLFANRLMTM  240
NTDB id 369 SMU RS04255 WP 002263293.1       VGVAVLIVFIMLSVLMFVAFPRQRQVQSLTDALNSTTRESLTGVRVVRAYNAEDYQDTKFKRENKNLTKLNLLVYRLMSL  240
consensus                                     ! !! ** *!!!!**  ! !    *! !!! !!  !!!*!!!*!!!!!!!!**!!* !!   !  !   !!   !!!**

logo
NTDB id 220482 B4V02 RS21625 WP 094156359.1  VGPGMTFIMSGLSVSIYWIGAYLINGAA...........VPDRITLFSNMVVFSSYAMQVVMAFMMVSMIFFLMPRASI  308
NTDB id 369 SMU RS04255 WP 002263293.1       MNPVMTVVSSGLTLAIYWIGAYLLNDIKIPMTSVTAAKGAIADRISVFSDMVVFSSYAMQVVVGFMMMVAIFIILPRALV  320
consensus                                    * ! !! * !!!** !!!!!!!!*!   **************!!!**!! !!!!!!!!!!!!**!!!*  !! **!!! *

logo
NTDB id 220482 B4V02 RS21625 WP 094156359.1  SAKRIMEVLNTESRIVDGHETAGEEGVTGQVEFRNVSFKYPDAEEPVLRNISFTAQRGETVAFIGATGSGKTSVINLISR  388
NTDB id 369 SMU RS04255 WP 002263293.1       SAKRINEVLALNSSVHFKEYSKADNARKGEVEFHDVSFRYSKNSRAVIEHVSFSAKAGETVAFIGSTGSGKSTLVNLIPR  400
consensus                                    !!!!! !!!   ! **  * * ** *  ! !!!* !!!*!*    *!* **!!*!  !!!!!!!! !!!!!****!!!*!

logo
NTDB id 220482 B4V02 RS21625 WP 094156359.1  FYDVTEGEVLVDGVNVRNYKQQALHNKIGYVPQRAVLFSGTVASNVSYGDNGRAEASEKLVKAAVGIAQSTEFVEKMDGQ  468
NTDB id 369 SMU RS04255 WP 002263293.1       FYDATEGWIKIDGIKVQDYSHDDLNNKVGYIPQRAVLFSGTIRSNIAFGQSDQAPLDDAKIWEALELAQAKNFVEEKEKG  480
consensus                                    !!! !!! * *!!* !  ! *  !*!!*!!*!!!!!!!!!!* !!* *!    !*  *  *  !* *!!   !!!  *

logo
NTDB id 220482 B4V02 RS21625 WP 094156359.1  YQGRISQGGANVSGGQKQRLSIARAIYRQPEIYIFDDSFSALDYRTDRILRSALKKETDHATTLIVAQRIGTIKDADRII  548
NTDB id 369 SMU RS04255 WP 002263293.1       LDTEVAQGGTNFSGGQKQRLAIARALARKPEILIFDDSFSALDYKTDRILRNDLAKKTKEMTKLIVAQRISTIMDADHIL  560
consensus                                        * !!! ! !!!!!!!! !!!!* ! !!! !!!!!!!!!!!!*!!!!!!  ! ! ! * ! !!!!!!! !! !!!*!*
```

```
logo

NTDB id 220482 B4V02 RS21625 WP 094156359.1  VLDQGEVVGNGTHEELMANCSTYQEIAYSQLSKEELVHG.   587
NTDB id 369 SMU RS04255 WP 002263293.1       VLDQGKVVGQGTHKELLANNDIYQEIAYSQLSKEELENGK   600
consensus                                    !!!!! !!!*!!! !!*!!*  !!!!!!!!!!!!!!! *!*
```

X non conserved

X similar

X $\geq$ 50% conserved