```
logo
NTDB id 406254 GO596 RS07000 WP 157339459.1  MLKIFKRLTAKEVAMIIIAVLFVCLNVFLDLKIPDYMSDITSLLSTQGTKAKDIFAWNFDAPGMRMILLSLGSFAASVVV   80
NTDB id 369 SMU RS04255 WP 002263293.1       MFKIFKRLNAKEWGMVLLSTAFICLAVWMDLKTPEYMSNITTLLQTKGTTASDIM.....DPGSKMLMFSFGSFFMAVLV   75
consensus                                    ! !!!!!! !!! *!***   !*!! !**!!! !*!!! !!*!! ! !! ! !! ***** !! *!** ! !!!   !*!

logo
NTDB id 406254 GO596 RS07000 WP 157339459.1  GFLAARIAASFSTRLRDDIFHSVLDYSDAEIKKFSIPSLLTRTTNDITQIQLVFTMGLQVVTKGPIMAIWAITKIADKNH  160
NTDB id 369 SMU RS04255 WP 002263293.1       GFLASRTAASFTTRLRSDIFNRVMDYSEAEIKKFSIPSLLTRTTNDLTQLQIMIVMGMQVVTRGPIMAVWALTKIWGKSD  155
consensus                                    !!!! ! !!!!*!!!! !!!* !*!!!*!!!!!!!!!!!!!!!!!!*!!*!**  !!*!!!!*!!!!!*!!*!!!  ! *

logo
NTDB id 406254 GO596 RS07000 WP 157339459.1  EWLMVLVVAVAVMIFMLAFLLMMVMPKQRMIQKLTDKLNSITRESLSGIRVVRAYNAESYQDGKFEKANNDVTNLNLFIG  240
NTDB id 369 SMU RS04255 WP 002263293.1       EWTGAVGVAVLIVFIMLSVLMFVAFPRQRQVQSLTDALNSTTRESLTGVRVVRAYNAEDYQDTKFKRENKNLTKLNLLVY  235
consensus                                    !!   * !!! **  !!  !* *  !*!! *! !!! !!! !!!!!*!*!!!!!!!!! !!! !! * !  *! !!! *

logo
NTDB id 406254 GO596 RS07000 WP 157339459.1  RSMSLMSPVMTSISSGMTLAIYWIGAFLIEDIAIPKDPT.KIAGAMQDKVNIFSDMVVYSSYAMQVVIGFMMMIAVFFIL  319
NTDB id 369 SMU RS04255 WP 002263293.1       RLMSLMNPVMTVVSSGLTLAIYWIGAYLLNDIKIPMTSVTAAKGAIADRISVFSDMVVFSSYAMQVVVGFMMMVAIFIIL  315
consensus                                    ! !!!! !!!! *!!!*!!!!!!!!!*!* !! !!  * *   !!* !** *!!!!!!*!!!!!!!!*!!!!!*!*! !!

logo
NTDB id 406254 GO596 RS07000 WP 157339459.1  PRAVVAAGRINEVLDTKSSVLYPEESKAEPKEKGTVEFDNVSFRYSKNSEAVLEHVSFKAKAGDTVAFIGSTGSGKSTLV  399
NTDB id 369 SMU RS04255 WP 002263293.1       PRALVSAKRINEVLALNSSVHFKEYSKADNARKGEVEFHDVSFRYSKNSRAVIEHVSFSAKAGETVAFIGSTGSGKSTLV  395
consensus                                    !!!*! ! !!!!!!   !!!***! !!!** !! !!!* !!!!!!!!! !!*!!!!! !!!!*!!!!!!!!!!!!!!!

logo
NTDB id 406254 GO596 RS07000 WP 157339459.1  NLIPRFYDATEGTIKVDGVNVRDYDHDTLHKIVGYIPQKAVLFSGDITSNMDMGDSNSSPLDDDKIWEALDLAQGRDFVE  479
NTDB id 369 SMU RS04255 WP 002263293.1       NLIPRFYDATEGWIKIDGIKVQDYSHDDLNNKVGYIPQRAVLFSGTIRSNIAFGQSDQAPLDDAKIWEALELAQAKNFVE  475
consensus                                    !!!!!!!!!!!! !!*!!* ! !! !! !*  !!!!!!*!!!!!! ! !!*  ! !   !!!! !!!!!!*!!!** !!!

logo
NTDB id 406254 GO596 RS07000 WP 157339459.1  SKEGQLKAPVSQGGQNFSGGQKQRLAIARALARKPEIIIFDDSFSALDYKTDRILRSQLKERTADMTKLIVAQRISTIMD  559
NTDB id 369 SMU RS04255 WP 002263293.1       EKEKGLDTEVAQGGTNFSGGQKQRLAIARALARKPEILIFDDSFSALDYKTDRILRNDLAKKTKEMTKLIVAQRISTIMD  555
consensus                                     !!  !  *! !!! !!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!  !  *! *!!!!!!!!!!!!!!!
```

```
logo

NTDB id 406254 GO596 RS07000 WP 157339459.1   ADQILVLDEGKVVGQGTHEELLANNEVYREIAYSQLSKEELENGK   604
NTDB id 369 SMU RS04255 WP 002263293.1        ADHILVLDQGKVVGQGTHKELLANNDIYQEIAYSQLSKEELENGK   600
consensus                                     !!*!!!!! !!!!!!!!! !!!!!!**! !!!!!!!!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved