```
logo
NTDB id 245276 DRBB30 RS10845 WP 025341951.1  MFRIMKYLSKAEIGQMLIALVSIVGQIWFDLELPDYMSDITTLVETPGSAMADIWVAGGKMLLVSLGSVCCAIITGYIAA   80
NTDB id 369 SMU RS04255 WP 002263293.1        MFKIFKRLNAKEWGMVLLSTAFICLAVWMDLKTPEYMSNITTLLQTKGTTASDIMDPGSKMLMFSFGSFFMAVLVGFLAS   80
consensus                                     !!*! ! !   ! ! *!*    !*  *! !!  !*!!! !!!!* !*!*   !!   *! !!!* ! !! **!** !**!

logo
NTDB id 245276 DRBB30 RS10845 WP 025341951.1  RVASSFGQRLRSLEFRKVESFGPAEMSKFSTASLITRSTNDITQIQMFITMGLQLIVKSPIMAVWAVCKIAGEGFEWTVA  160
NTDB id 369 SMU RS04255 WP 002263293.1        RTAASFTTRLRSDIFNRVMDYSEAEIKKFSIPSLLTRTTNDLTQLQIMIVMGMQVVTRGPIMAVWALTKIWGKSDEWTGA  160
consensus                                     ! ! !!  !!!!  ! *!  * *!!* !!! *!!*!!*!!!*!!*!* ! !!*!** * !!!!!!!**!! !   !!! !

logo
NTDB id 245276 DRBB30 RS10845 WP 025341951.1  TAIAVVILLVAVVILMALVMPKFKAMQRLTDNINLVARENLTGLRVVRAYNAEDYQESKFTKANKDLTDTQLFTNRTMAI  240
NTDB id 369 SMU RS04255 WP 002263293.1        VGVAVLIVFIMLSVLMFVAFPRQRQVQSLTDALNSTTRESLTGVRVVRAYNAEDYQDTKFKRENKNLTKLNLLVYRLMSL  240
consensus                                      **!!*!* * * *!! *  !* * *! !!! *!   !! !!!*!!!!!!!!!!!!**!! * !! !!  *!   ! ! *

logo
NTDB id 245276 DRBB30 RS10845 WP 025341951.1  MMPLMNTVMNGLMLAVYWIGAYLIEAA...........ELTDKLTVFSNMVVFSSYSVQVIMSFLLMSMVFVLWPRADV  308
NTDB id 369 SMU RS04255 WP 002263293.1        MNPVMTVVSSGLTLAIYWIGAYLLNDIKIPMTSVTAAKGAIADRISVFSDMVVFSSYAMQVVVGFMMMVAIFIILPRALV  320
consensus                                     ! !*!  !  !! !!*!!!!!!!*   ************ * !***!!! !!!!!!! *!!** !**!  *!** !!! !

logo
NTDB id 245276 DRBB30 RS10845 WP 025341951.1  SAQRVMEVLNTEPIVKNGTKRAADIAKTGQTGTVEFKNVSFTYPDSREAMLQDINFKAEKGQTVAFIGSTGSGKSSLINL  388
NTDB id 369 SMU RS04255 WP 002263293.1        SAKRINEVLALNSSVHFKEYS...KADNARKGEVEFHDVSFRYSKNSRAVIEHVSFSAKAGETVAFIGSTGSGKSTLVNL  397
consensus                                     !! !* !!!   * !*     *** !  *  ! !!!* !!! !*    !** ** ! !  ! !!!!!!!!!!!!!*!*!!

logo
NTDB id 245276 DRBB30 RS10845 WP 025341951.1  VPRFYDVSAGQVLVDGVDVRDYDMVALRDKIGYVPQRSVLFKGTVAGNISYGDKPGENDAVELADTSTSAGRKREALQLA  468
NTDB id 369 SMU RS04255 WP 002263293.1        IPRFYDATEGWIKIDGIKVQDYSHDDLNNKVGYIPQRAVLFSGTIRSNIAFGQSDQAP....LD................  457
consensus                                     *!!!!! * ! * *!!* ! !! *  !  !*!!*!!! !!! !!*  !! *!  *  *****! ***************

logo
NTDB id 245276 DRBB30 RS10845 WP 025341951.1  TDAVNDGKLTDEQMSRVKAAADVAQASEFVNRMDGGFDSPIAQGGSNVSGGQKQRLSIARAVYRHPEILIFDDSFSALDF  548
NTDB id 369 SMU RS04255 WP 002263293.1        .............DAKIWEALELAQAKNFVEEKEKGLDTEVAQGGTNFSGGQKQRLAIARALARKPEILIFDDSFSALDY  524
consensus                                     *************  **  ! **!!!  !!   * ! !***!!!!*! !!!!!!!! !!!!* !*!!!!!!!!!!!!!!*
```

```
logo                                          KTDRALYRNDLAKKTKESTKLIVAQRISTIMNADRIYVLDQGKWGQGTHRELLENNEYYRQIAYSQLSKSEELINEAGK

NTDB id 245276 DRBB30 RS10845 WP 025341951.1  KTDRAVRDALAKEAKDSTKLIVAQRIGTIMNADRIVVLDEGKVVGQGTHRELLENCEVYRQIAESQLSESELTA..   622
NTDB id 369 SMU RS04255 WP 002263293.1        KTDRILRNDLAKKTKEMTKLIVAQRISTIMDADHILVLDQGKVVGQGTHKELLANNDIYQEIAYSQLSKEELENGK   600
consensus                                     !!!! *!  !!!  !* !!!!!!!!! !!! !!*!*!!! !!!!!!!!!*!!! !***!  !! !!!!  !!  **
```

X non conserved

X similar

X $\geq$ 50% conserved