```
logo
NTDB id 969693 NSQ62 RS07570 WP 341323321.1  MLKIFSYLQKKEWGLVAISIVFIVVQVWLDLKLPDYMAEITMLIQTEGTAVSDLIAPGSYMLLCAIGSMIAAIIVGYFAA   80
NTDB id 369 SMU RS04255 WP 002263293.1       MFKIFKRLNAKEWGMVLLSTAFICLAVWMDLKTPEYMSNITTLLQTKGTTASDIMDPGSKMLMFSFGSFFMAVLVGFLAS   80
consensus                                    ! !!!   !* !!!!*! *!   !!** !!*!!! !*!!   !! !*!! !!   !!** !!! !!**   !!    !**!!* !

logo
NTDB id 969693 NSQ62 RS07570 WP 341323321.1  QVAAGLARRLRGQVFEKTLSFSMAEMNHFSTPSLITRSTNDITQVQMLIAMGLQVVIKAPILAIWAITKIANKNLEWTAA  160
NTDB id 369 SMU RS04255 WP 002263293.1       RTAASFTTRLRSDIFNRVMDYSEAEIKKFSIPSLLTRTTNDLTQLQIMIVMGMQVVTRGPIMAVWALTKIWGKSDEWTGA  160
consensus                                      !!     !!!   *! * * *! !!* *!! !!!*!!*!!!*!!*!**! !!*!!!  **!!*!*!!*!!!   !   !!!*!

logo
NTDB id 969693 NSQ62 RS07570 WP 341323321.1  TGVAVLVLILLITVVIIFAIPKFRIIQTLTDNLNRVTRENLTGIRVVRAYNAEGYQQGKFDDANKELMDTNLYAMRLMAL  240
NTDB id 369 SMU RS04255 WP 002263293.1       VGVAVLIVFIMLSVLMFVAFPRQRQVQSLTDALNSTTRESLTGVRVVRAYNAEDYQDTKFKRENKNLTKLNLLVYRLMSL  240
consensus                                     !!!!!** ****!**   ! !* ! *!*!!! !!   !!! !!!*!!!!!!!!! !!   !!    !! !   !!    !!! !

logo
NTDB id 969693 NSQ62 RS07570 WP 341323321.1  IFPTMGLIMSGLSLSIYWIGAFLIHEA...........NAMDRLPLFSNMVVFTSYAMQVVMAFMMVSMIFVMLPRAAV  308
NTDB id 369 SMU RS04255 WP 002263293.1       MNPVMTVVSSGLTLAIYWIGAYLLNDIKIPMTSVTAAKGAIADRISVFSDMVVFSSYAMQVVVGFMMMVAIFIILPRALV  320
consensus                                    * ! ! ** !!!*! !!!!!!*!*** ***********   !!***!! !!!!*!!!!!!!**!!!*  !!**!!!! !

logo
NTDB id 969693 NSQ62 RS07570 WP 341323321.1  SAKRILEVLNMKNTILDGR..VKAGNGAGTVEFRNVGFKYPGAEEAVLDGVTFSAKKGETIAFIGSTGSGKTTILNLIPR  386
NTDB id 369 SMU RS04255 WP 002263293.1       SAKRINEVLALNSSVHFKEYSKADNARKGEVEFHDVSFRYSKNSRAVIEHVSFSAKAGETVAFIGSTGSGKSTLVNLIPR  400
consensus                                    !!!!! !!! *  ***   **       ! !!!* ! !*!*    !!***!*!!!! !!!*!!!!!!!!!!*!**!!!!!

logo
NTDB id 969693 NSQ62 RS07570 WP 341323321.1  LYDVSSGEVLLDGVNVKDYKQAALREKIGYVSQSAVLFSGSVASNVSYSDET..PVT.ERVKQAVAIAQGQEFVEKLDGS  463
NTDB id 369 SMU RS04255 WP 002263293.1       FYDATEGWIKIDGIKVQDYSHDDLNNKVGYIPQRAVLFSGTIRSNIAFGQSDQAPLDDAKIWEALELAQAKNFVEEKEKG  480
consensus                                     !! * ! * *!!* ! !! *   !   !*!!**! !!!!!!** !!* *    **!* * **  !* *!!*  !!!   *

logo
NTDB id 969693 NSQ62 RS07570 WP 341323321.1  YEGAIAQGGKNVSGGQKQRLSIARAIYHQPDIYLFDDSFSALDYKTDRELFHALKDETRDAITFIVAQRIGTIKEADQIV  543
NTDB id 369 SMU RS04255 WP 002263293.1       LDTEVAQGGTNFSGGQKQRLAIARALARKPEILIFDDSFSALDYKTDRILRNDLAKKTKEMTKLIVAQRISTIMDADHIL  560
consensus                                     *  *!!!! ! !!!!!!!! !!!!* * !*! *!!!!!!!!!!!!!! !!* !   !**    !!!!!! !! *!!*!*
```

```
logo
```

```
NTDB id 969693 NSQ62 RS07570 WP 341323321.1  VLEHGRIVGKGTHEELMKTCDTYQEIAYSQLSKEELGDE.   582
NTDB id 369 SMU RS04255 WP 002263293.1       VLDQGKVVGQGTHKELLANNDIYQEIAYSQLSKEELENGK   600
consensus                                    !!**!**!! !!! !!*  *! !!!!!!!!!!!!!!   *
```

X non conserved

X similar

X $\geq$ 50% conserved