```
logo
NTDB id 187774 A9256 RS06590 WP 000481818.1  MFNIFKRLNGKEWLMIVASTILVCLAVWMDLKTPEYMSDITRMLQTKGTKLEALWDPGLKMLAFSFGSFLVAVMVGFLGA   80
NTDB id 369 SMU RS04255 WP 002263293.1       MFKIFKRLNAKEWGMVLLSTAFICLAVWMDLKTPEYMSNITTLLQTKGTTASDIMDPGSKMLMFSFGSFFMAVLVGFLAS   80
consensus                                    !! !!!!!!*!!! !** !!  *!!!!!!!!!!!!!!! !! *!!!!!!    * !!! !!! !!!!!! *!!*!!!!*

logo
NTDB id 187774 A9256 RS06590 WP 000481818.1  RTAASFTSRLRSDIFNHVMDYSDAEIKRFSIPSLLTRTTNDLTQLQILIVMGMQVVTRGPIMAIWALTKIWGKSDQWTGA  160
NTDB id 369 SMU RS04255 WP 002263293.1       RTAASFTTRLRSDIFNRVMDYSEAEIKKFSIPSLLTRTTNDLTQLQIMIVMGMQVVTRGPIMAVWALTKIWGKSDEWTGA  160
consensus                                    !!!!!!!*!!!!!!!!*!!!!!*!!!!*!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!*!!!!!!!!!!! !!!!

logo
NTDB id 187774 A9256 RS06590 WP 000481818.1  VGVAVIIVMILLSVLLLLAFPRQRQIQGFTDALNATTREALSGVRVIRAYNAEKYQTDKFKRENDDLTKLNLFVYRLMSL  240
NTDB id 369 SMU RS04255 WP 002263293.1       VGVAVLIVFIMLSVLMFVAFPRQRQVQSLTDALNSTTRESLTGVRVVRAYNAEDYQDTKFKRENKNLTKLNLLVYRLMSL  240
consensus                                    !!!!!*!! !*!!!!* *!!!!!!!*!  !!!!! !!!! !*!!!!*!!!!!! !!  !!!!!!  !!!!!! !!!!!!!

logo
NTDB id 187774 A9256 RS06590 WP 000481818.1  MNPVMTVVSSGLTLAIYWIGSYLINDISVPKVTGTSVSVLAAKSAITDRVDLFSNMVVFSSYAMQVVMGFMMMVAIFIIM  320
NTDB id 369 SMU RS04255 WP 002263293.1       MNPVMTVVSSGLTLAIYWIGAYLLNDIKIPMT.....SVTAAKGAIADRISVFSDMVVFSSYAMQVVVGFMMMVAIFIIL  315
consensus                                    !!!!!!!!!!!!!!!!!!!! !!*!!! *!  *****!! !!! !! !!* *!! !!!!!!!!!!!!*!!!!!!!!!!!*

logo
NTDB id 187774 A9256 RS06590 WP 000481818.1  PRALVSARRINEVLTLAPTVTFKENSHIQSAQKGQIEFQDVSFHYSKDSEAVIEHVSFKADTGQTVAFIGSTGSGKSTLV  400
NTDB id 369 SMU RS04255 WP 002263293.1       PRALVSAKRINEVLALNSSVHFKEYSKADNARKGEVEFHDVSFRYSKNSRAVIEHVSFSAKAGETVAFIGSTGSGKSTLV  395
consensus                                    !!!!!!!*!!!!!! ! **!*!!! !*   ! !! *!!*!!!!*!!! ! !!!!!!!! !  ! !!!!!!!!!!!!!!!!

logo
NTDB id 187774 A9256 RS06590 WP 000481818.1  NLVPRFYDATEGAIKLDGIDIKEYSHNDLNNKIGYIPQKAVLFSGTVRSNMILGESGREELSDEEIWQALELAQAKEFIE  480
NTDB id 369 SMU RS04255 WP 002263293.1       NLIPRFYDATEGWIKIDGIKVQDYSHDDLNNKVGYIPQRAVLFSGTIRSNIAFGQSDQAPLDDAKIWEALELAQAKNFVE  475
consensus                                    !!*!!!!!!!!! !!*!!! * *!!! !!!!!*!!!!!!*!!!!!!!*!!!!*  !  !   *! !  !! !!!!!!!! !*!

logo
NTDB id 187774 A9256 RS06590 WP 000481818.1  AKEKGLDTEVAQGGSNFSGGQKQRLAIARALARHPEILIFDDSFSALDYKTDHILRHELKEKTAAMTKLIVAQRISTIMD  560
NTDB id 369 SMU RS04255 WP 002263293.1       EKEKGLDTEVAQGGTNFSGGQKQRLAIARALARKPEILIFDDSFSALDYKTDRILRNDLAKKTKEMTKLIVAQRISTIMD  555
consensus                                     !!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!*!!!**!  !!  !!!!!!!!!!!!!!!
```

```
logo

NTDB id 187774 A9256 RS06590 WP 000481818.1   ADLILVLDQGKVVGQGTHKELLSNNEVYQEIAYSQLSKEELENEN   605
NTDB id 369 SMU RS04255 WP 002263293.1        ADHILVLDQGKVVGQGTHKELLANNDIYQEIAYSQLSKEELENGK   600
consensus                                     !!*!!!!!!!!!!!!!!!!!!!! !!**!!!!!!!!!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved