```
logo
NTDB id 49454 SALIVA RS02045 WP 014633965.1  MFKIFKRLTTKELIMIVLAVIFVCLNVYLNLKIPDYMSDITTLLSTKGTKASDIFAWNTDAPGMRMLLMSFAGFMASVVV   80
NTDB id 369 SMU RS04255 WP 002263293.1       MFKIFKRLNAKEWGMVLLSTAFICLAVWMDLKTPEYMSNITTLLQTKGTTASDIM.....DPGSKMLMFSFGSFFMAVLV   75
consensus                                    !!!!!!!!  !!  !**!   !*!! !** !! !*!!! !!!!! !!!! !!!! ***** !! *!!* !!* !   !*!

logo
NTDB id 49454 SALIVA RS02045 WP 014633965.1  GFLAARTAASFTTRLRDDIFHQVLDFSDAEIKKFSIPSLLTRTTNDITQLQMVLTMGLQVITQGPIMAIWAITKIADKNG  160
NTDB id 369 SMU RS04255 WP 002263293.1       GFLASRTAASFTTRLRSDIFNRVMDYSEAEIKKFSIPSLLTRTTNDLTQLQIMIVMGMQVVTRGPIMAVWALTKIWGKSD  155
consensus                                    !!!! !!!!!!!!!!! !!!* !*!*!*!!!!!!!!!!!!!!!!!!!*!!!!*** !!*!!*! !!!!!*!!*!!!   !

logo
NTDB id 49454 SALIVA RS02045 WP 014633965.1  NWLLALLVAVAVIAILMLFLLIMVMPKQRLIQTLTDKLNSVTRESLTGIRVVRAYNAESYQEDKFEKANTDLTQNNLFIG  240
NTDB id 369 SMU RS04255 WP 002263293.1       EWTGAVGVAVLIVFIMLSVLMFVAFPRQRQVQSLTDALNSTTRESLTGVRVVRAYNAEDYQDTKFKRENKNLTKLNLLVY  235
consensus                                     !  !* !!! ** !**  !* *  !*!! *!*!!! !!! !!!!!!!*!!!!!!!!! !!* !! * !  !!  !! *

logo
NTDB id 49454 SALIVA RS02045 WP 014633965.1  RSFALLTPVMTAVSSGLTLAIYWIGAHLIEDVKIPTTDPT.KIAGAMENKVHLFSDMVVYSSYAMQVVMGFMMMIVVFFLL  319
NTDB id 369 SMU RS04255 WP 002263293.1       RLMSLMNPVMTVVSSGLTLAIYWIGAYLLNDIKIPMTSVTAAKGAIADRISVFSDMVVFSSYAMQVVVGFMMMVAIFIIL  315
consensus                                    !   !* !!!! !!!!!!!!!!!!!!*!* !*!!!  * *   !!*  ****!!!!!!*!!!!!!!!!*!!!!!* *! *!

logo
NTDB id 49454 SALIVA RS02045 WP 014633965.1  PRAVVAAGRINEVLDTQSSVSYPENSSEKPNEVGTVEFDDVSFRYSETSEPVLEHVSFKAKKGDTVAFIGSTGSGKSTLV  399
NTDB id 369 SMU RS04255 WP 002263293.1       PRALVSAKRINEVLALNSSVHFKEYSKADNARKGEVEFHDVSFRYSKNSRAVIEHVSFSAKAGETVAFIGSTGSGKSTLV  395
consensus                                    !!!*! ! !!!!!!  *!!!***! !   *   ! !!!*!!!!!!!  ! *!*!!!!! !! !*!!!!!!!!!!!!!!!!

logo
NTDB id 49454 SALIVA RS02045 WP 014633965.1  NLIPRFYDATQGTIKVDGVDVRHYDHETLHNIVGYIPQKAVLFSGDITSNMTMGTSNNSPLDDAKIWEALELAQGKDFVE  479
NTDB id 369 SMU RS04255 WP 002263293.1       NLIPRFYDATEGWIKIDGIKVQDYSHDDLNNKVGYIPQRAVLFSGTIRSNIAFGQSDQAPLDDAKIWEALELAQAKNFVE  475
consensus                                    !!!!!!!!!!! ! !!*!!* ! *! !* !*! !!!!!!*!!!!!! ! !!*  ! ! * !!!!!!!!!!!!!!!*! !!!

logo
NTDB id 49454 SALIVA RS02045 WP 014633965.1  NKEGQLKAEVAQAGSNFSGGQKQRLAIARALARKPEILIFDDSFSALDYKTDRKLRQELAEKTQDMTKLIVAQRISTIMD  559
NTDB id 369 SMU RS04255 WP 002263293.1       EKEKGLDTEVAQGGTNFSGGQKQRLAIARALARKPEILIFDDSFSALDYKTDRILRNDLAKKTKEMTKLIVAQRISTIMD  555
consensus                                     !!  !  !!!!*!*!!!!!!!!!!!!!!!!!!!
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logo

NTDB id 49454 SALIVA RS02045 WP 014633965.1   ADQILVLDQGKVVGQGTHKELLADNEVYQEIAYSQLSKEELENGK   604
NTDB id 369 SMU RS04255 WP 002263293.1        ADHILVLDQGKVVGQGTHKELLANNDIYQEIAYSQLSKEELENGK   600
consensus                                     !!*!!!!!!!!!!!!!!!!!!!! !**!!!!!!!!!!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved