```
logo
NTDB id 401706 GFS31 RS09965 WP 198804699.1  MT..NSPSSRRALVLQRSFSPFGNKLIQTGYVDSEQMQKALAESRKTGQSLTDVLESLTGQQLAPELLRQYKKQQLFELK   78
NTDB id 1410 SGL RS13950 WP 010873519.1      MTSSSSSKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELK   80
consensus                                    !!** !*   !!* !   !!!!!!!!*  !*!! !!*  !!   *!!! !!** !  *!!  ! !!!!!!!!*!!!!!!

logo
NTDB id 401706 GFS31 RS09965 WP 198804699.1  ILYGVESLDPELSDVSAAQIGSLIDTLIPVDVCRRHRLVPLAQEEGDQPAVLVAMVDPENLEAQDDLNRILRPRNMALRR  158
NTDB id 1410 SGL RS13950 WP 010873519.1      VLYGVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGFELRR  160
consensus                                    *!!!!*!*!!!* **   !** !!    !*! !!!** *!!!! !!!*! !!!!!!!!*!! !!!*!!!!!!**   !!!

logo
NTDB id 401706 GFS31 RS09965 WP 198804699.1  MVITVEDFQRLLSTYLDEAVAK...QKKEELDAAVDVRTSLE......ELDYGGDLEDVIDQEADLGEALKDAGAAPVIA  229
NTDB id 1410 SGL RS13950 WP 010873519.1      LVVTQDDFNQLLEQYYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKED.....VDNALDSNDANQAPVIN  235
consensus                                    *!*! *!!* !*  !       ***! ! * * !*!    ! ********  ! ! !!***** ! *    !!  !!!!

logo
NTDB id 401706 GFS31 RS09965 WP 198804699.1  LVNKILVKALQEGVSDIHIEPQEEYLRVRFRKDGVLKEALPRMPKKIIPAVTARFKIISDLDIAERRAPQDGRIRRIFQG  309
NTDB id 1410 SGL RS13950 WP 010873519.1      LVNKILAKALQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQG  315
consensus                                    !!!!!! !!!!!! !!!!*!!!!! !!*!!!!!!!!  ! ***!*!! !!! !!!!!* !*!!!!!! !!!!*!!!!*!!

logo
NTDB id 401706 GFS31 RS09965 WP 198804699.1  RKVDFRVNTLPSRCGEKVVLRILDNSVTQLGLDKLITDPTSLKIVQEMAARPFGLLLVTGPTGSGKTTTLYSVLSERNDP  389
NTDB id 1410 SGL RS13950 WP 010873519.1      RKVDFRVNTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSP  395
consensus                                    !!!!!!!!!!!!!*!!!!*!!!!!!! !!!!!! !!! ! *!  ! !*!!!!*!!*!!!!!!!!!!*!!!!!!! !!! !

logo
NTDB id 401706 GFS31 RS09965 WP 198804699.1  GINISTAEDPIEYTLEGLTQVQVIREKGMDFSAILRAFLRQDPDVILVGETRDRETAKTAIEAALTGHMVLTTLHTNDAA  469
NTDB id 1410 SGL RS13950 WP 010873519.1      EVNINTAEDPIEYALPGITQVQVIREKGMDFSNILRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAA  475
consensus                                     *!! !!!!!!!! !*!*!!!!!!!!!!!!!! !!!!!*!!!!!!!!!!!!!!*!!!!!!!!!!!!!!*!!!!!!!!!!!

logo
NTDB id 401706 GFS31 RS09965 WP 198804699.1  GAIARLDEMGVESFMVSSALLGVLAQRLLRRVCGDCRIAYQPSVDELAHFGLSASADGEVTFYKANTLSIDQVAEARAKN  549
NTDB id 1410 SGL RS13950 WP 010873519.1      GAIARLDEMGVEPFMVSGSLLGVLAQRLMRKVCTECRIAYHPSKEELSRFGLSASGDEVVTFYKANSLSPDEIHLARQKG  555
consensus                                    !!!!!!!!!!!!*!!!!   !*!!!!!!!*!*!! *!!!!!*!! *!! *!!!!!!*!   !!!!!!!*!!*!  ** !! !
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logo
NTDB id 401706 GFS31 RS09965 WP 198804699.1  TLCPTCQGGGYKGRVGVYEVLRVTERIQKLISDGAPTEVIKEAAVEEGMQTLLAYSLSLVRQGYTTLDEVERVTFTDTGL   629
NTDB id 1410 SGL RS13950 WP 010873519.1      NLCQKCSGSGYKGRVGVYEVMRNSERIAELINQGATTDRIKDCAVEEGMITLLAYSLNLVQEGYTTLEEVERVTFTDTGL   635
consensus                                     !!* ! ! !!!!!!!!!!*! *!!!  !!  !!*!* !!**!!!!!! !!!!!!! !!  !!!!!*!!!!!!!!!!!!
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logo
NTDB id 401706 GFS31 RS09965 WP 198804699.1  EAELKAKRKASLTCSCCSAELQQEWLDCPYCLTPRFAE   667
NTDB id 1410 SGL RS13950 WP 010873519.1      ESEMRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS.   672
consensus                                    ! !**!!!!  !!! *! !!!!!!!!!!!!!*!*!! *
```

X non conserved

X similar

X $\geq$ 50% conserved