```
logo
NTDB id 400510 GJS33 RS01565 WP 021320349.1  MTEARKKLIEVKNVSLTFNKGKKNEVKAIDRLSFDIYEGEVFGLVGESGSGKTTVGRAILKLYDISDGEIIFNGENVSQL   80
NTDB id 479 HSISS4 RS06980 WP 021143812.1    ...MPEKLVEVKDVEISFGEGSKKFV.AVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGH   76
NTDB id 296 STER RS06910 WP 011681415.1      ...MPEKLVEVKNVEISFGEGRKKFV.AVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGY   76
NTDB id 328 STU RS16110 WP 002951426.1       ...MPEKLVEVKDVEISFGEGRKKFV.AVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGY   76
consensus                                       ***!!*!!!  !***!**!*!**!  !*****!*!**!!*!*!!!!!!!!!!!*!!!!**!*!*!*!!!!!*!******

logo
NTDB id 400510 GJS33 RS01565 WP 021320349.1  .KGKKLHSFRKHAQMIFQDPQASLNGRMKIRDIVAEGLDIHGLTASKAEREARVQELLKLVGLNQDHLTRYPHEFSGGQR  159
NTDB id 479 HSISS4 RS06980 WP 021143812.1    LSHSEKNDLIRRIQMIFQDPAASLNERATVDYILSEGLHNFHLYKDEEDRKAKIKKIIKEVGLLEEHLTRYPHEFSGGQR  156
NTDB id 296 STER RS06910 WP 011681415.1      LSHSEKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLYKDEEERKAKIKEIIKEVGLLEEHLTRYPHEFSGGQR  156
NTDB id 328 STU RS16110 WP 002951426.1       LSHSEKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLYKDEEERKAKIKEIIKEVGLLEEHLTRYPHEFSGGQR  156
consensus                                    *************!!!!!!!*!!!!*!*****!**!!!****!******!*!******!*!!!***!!!!!!!!!!!!!!

logo
NTDB id 400510 GJS33 RS01565 WP 021320349.1  QRIGIARALAVKPTFIIADEPISALDVSIQAQVVSLMQQLQKKRGLTYLFIAHDLSMVKYISDRIGVMHWGKMLEIGTSD  239
NTDB id 479 HSISS4 RS06980 WP 021143812.1    QRIGIARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETE  236
NTDB id 296 STER RS06910 WP 011681415.1      QRIGIARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETE  236
NTDB id 328 STU RS16110 WP 002951426.1       QRIGIARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETE  236
consensus                                    !!!!!!!*!***!***!!!!!!!!!!!!!!**!!!**!****!!**!!!!!!!!!!!!!*!**!!!!!*!***!***!*****

logo
NTDB id 400510 GJS33 RS01565 WP 021320349.1  EVYNHPIHPYTKSLISAIPEPDPEKERKRIAEVYDPSQEL.DGQERQMHEITPGHFVLATQAEADQYRAERGL   311
NTDB id 479 HSISS4 RS06980 WP 021143812.1    ELYNNPIHPYTKSLLSAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKAEIETYRKEQSK   309
NTDB id 296 STER RS06910 WP 011681415.1      ELYNNPIHPYTKSLLSAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETYRKEQSK   309
NTDB id 328 STU RS16110 WP 002951426.1       ELYNNPIHPYTKSLLSAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETYRKEQSK   309
consensus                                    !*!!*!!!!!!!!!!*!!*!*!!!**!!!****!!!!*!*********!*!**!!!!!**** !***!!*!***
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X non conserved

X similar

X $\geq$ 50% conserved