```
logo
NTDB id 1063937 ACG3JM RS07080 WP 013794449.1  MTEERKKLVELKNVSLTFNKGKSNEVKAINNVSFDIYEGEVFGLVGESGSGKTTVGRAILKLYEITDGEIIFNGVNITKL   80
NTDB id 479 HSISS4 RS06980 WP 021143812.1      ...MPEKLVEVKDVEISFGEGSKK.FVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGH   76
NTDB id 296 STER RS06910 WP 011681415.1        ...MPEKLVEVKNVEISFGEGRKK.FVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGY   76
NTDB id 328 STU RS16110 WP 002951426.1         ...MPEKLVEVKDVEISFGEGRKK.FVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGY   76
consensus                                         ***!!!!!*! !***!**!*** **!**!**!*!**!!*!*!!!!!!!!!!!!*!!!!**!*****!!!!!*!**!***

logo
NTDB id 1063937 ACG3JM RS07080 WP 013794449.1  .KGKELHNFRKDAQMIFQDPQASLNGRMKIRDIIAEGLDIHGLTKTKEEREARVQELLDRVGLNKDHVTRYPHEFSGGQR  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 1063937 ACG3JM RS07080 WP 013794449.1  QRIGIARALAVKPKFIIADEPISALDVSIQAQVVNLMQKLQTERGLTYLFIAHDLSMVKYISDRIGVMHWGKMLEIGTSE  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 1063937 ACG3JM RS07080 WP 013794449.1  DVYNNPIHPYTRSLLSAIPEPDPDYERQRVAEIYDPSIE.LDGKEREMREITPGHFVFSTEEEAVAYKANSNK  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                                      **!!!!!!!!!*!!!!!*!*!!!**!!**!***!!!**********!!*!**!!!!!****!***!*****!
```

X non conserved

X similar

X $\geq$ 50% conserved