```
logo
NTDB id 1132306 H1W81 RS00270 WP 011225378.1  MTQERKKLVELKNVSLTFNKGKSNEVEAIDDVSFDIYEGEIFGLVGESGSGKTTIGRSVLKLSDIDSSTVTFSGNEISSL   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 1132306 H1W81 RS00270 WP 011225378.1  .KGKDLHDFRKTDQMIFQDPQSSLNGRMKIRDIIAEGIDIHKLAKSKEEREAKVKELIDLVGLNEDHLSRYPHEFSGGQR   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 1132306 H1W81 RS00270 WP 011225378.1  QRIGIARALAVNHHFIVADEPISALDVSIQAQVVNLMQKLQHEQGLTYLFIAHDLSMVKYISDRIGVMHWGKLLEVGPAD   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 1132306 H1W81 RS00270 WP 011225378.1  EIYHNPIHPYTKSLLSAIPEPDPERERKHQHLIYDSSIEN.DGENRQMYEIRPGHFVYATEAEAKNYKEEAKSN   312
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