```
logo

NTDB id 479 HSISS4 RS06980 WP 021143812.1      MPEKLVEVKDVEISFGEGSKKFVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGHLSHS   80
NTDB id 1131401 H1W89 RS02920 WP 002951426.1   MPEKLVEVKDVEISFGEGRKKFVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGYLSHS   80
NTDB id 328 STU RS16110 WP 002951426.1         MPEKLVEVKDVEISFGEGRKKFVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGYLSHS   80
NTDB id 296 STER RS06910 WP 011681415.1        MPEKLVEVKNVEISFGEGRKKFVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGYLSHS   80
consensus                                      !!!!!!!!!*!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!

logo

NTDB id 479 HSISS4 RS06980 WP 021143812.1      EKNDLIRRIQMIFQDPAASLNERATVDYILSEGLHNFHLYKDEEDRKAKIKKIIKEVGLLEEHLTRYPHEFSGGQRQRIG   160
NTDB id 1131401 H1W89 RS02920 WP 002951426.1   EKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLYKDEEERKAKIKEIIKEVGLLEEHLTRYPHEFSGGQRQRIG   160
NTDB id 328 STU RS16110 WP 002951426.1         EKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLYKDEEERKAKIKEIIKEVGLLEEHLTRYPHEFSGGQRQRIG   160
NTDB id 296 STER RS06910 WP 011681415.1        EKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLYKDEEERKAKIKEIIKEVGLLEEHLTRYPHEFSGGQRQRIG   160
consensus                                      !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!*!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 479 HSISS4 RS06980 WP 021143812.1      IARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETEELYN   240
NTDB id 1131401 H1W89 RS02920 WP 002951426.1   IARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETEELYN   240
NTDB id 328 STU RS16110 WP 002951426.1         IARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETEELYN   240
NTDB id 296 STER RS06910 WP 011681415.1        IARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETEELYN   240
consensus                                      !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 479 HSISS4 RS06980 WP 021143812.1      NPIHPYTKSLLSAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKAEIETYRKEQSK   309
NTDB id 1131401 H1W89 RS02920 WP 002951426.1   NPIHPYTKSLLSAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETYRKEQSK   309
NTDB id 328 STU RS16110 WP 002951426.1         NPIHPYTKSLLSAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETYRKEQSK   309
NTDB id 296 STER RS06910 WP 011681415.1        NPIHPYTKSLLSAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETYRKEQSK   309
consensus                                      !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved