```
logo

NTDB id 193310 BEN15 RS04725 WP 065972914.1  ....MSKLFGKVTIRKKLTMTTAVVFFLVLSMFTLVVVFSANTLLLQRERQNVNNTISKVVTYIEKDWDSDEELSPEPLL   76
NTDB id 472 HSISS4 RS01435 WP 002883784.1    MSKLQDKLFGKVTIRKKLTMTTAVVFFLVLSMFTLVVVFSANTLLLQRERQNVNTTISKVVTYIEKDWDSDEELSPEPLL   80
consensus                                    ****  !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 193310 BEN15 RS04725 WP 065972914.1  AALYSPKNIYPSIINGVLSEKRSLDGQVAVSNRLYSNQSVYVYDKKGTFIFTSEEDTDSPPGMSEVNKLKLVSYKGKRGF  156
NTDB id 472 HSISS4 RS01435 WP 002883784.1    AALYSPKNIYASIINGVLSEKHSLDGQVAISNKLYSNQSVFVYDKKGTFIFTSEENTDSPPGMSEVNKLKSVSYKGKRGF  160
consensus                                    !!!!!!!!!!*!!!!!!!!!!*!!!!!!!*!!*!!!!!!!*!!!!!!!!!!!!!!! !!!!!!!!!!!!!!! !!!!!!!!!

logo

NTDB id 193310 BEN15 RS04725 WP 065972914.1  LLQVPIYGKDKKTIVGYAQVFHDLEFYYALKERLIFLLIFLEVGMTVLVIAVTVVVLTSILRPMRQLHETMGIIIDSPSD  236
NTDB id 472 HSISS4 RS01435 WP 002883784.1    LLQVPIYGKDKKTIVGYAQIFHDLEFYYALKERLIFLLIFLEVGMTVLVIAATVVVLTSILRPMRQLHETMGVITDSPSD  240
consensus                                    !!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!*! !!!!!

logo

NTDB id 193310 BEN15 RS04725 WP 065972914.1  LELRSKIESHDEIGDLAHNFNCMMDKIQENNQMQMRFLSDVSHELRTPIAVIKGHMDLLQRWGKNDPEILEESLEAASHE  316
NTDB id 472 HSISS4 RS01435 WP 002883784.1    LELRSKIESHDEIGDLAVNFNRMMDKIQENNQMQMRFLSDVSHELRTPIAVIKGHMDLLQRWGKNDPEILEESLEAASHE  320
consensus                                    !!!!!!!!!!!!!!!!!*!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 193310 BEN15 RS04725 WP 065972914.1  ANRMTIMINDMLDSIRVKGSFDNHRNDTCDLNSSIRTVIGNFRVLHDDYQFYLNDSEGSDRPAQIYSQHFEQVITILIDN  396
NTDB id 472 HSISS4 RS01435 WP 002883784.1    ANRMTIMINDMLDSIRVKGSFENHRNDTCDLNSSIRTVIGNFRVLHEDYQFYLNDFESSERPAQIYSQHFEQAITILIDN  400
consensus                                    !!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 193310 BEN15 RS04725 WP 065972914.1  AVKYSPVNKKIQVTIKALEDEMLVQVQDNGEGISKEDIEHIFERFYRSDKARNRTTTQSGVGIGLSILYQIVEAYRCHID  476
NTDB id 472 HSISS4 RS01435 WP 002883784.1    AVKYSPVNKEIQVTIKALEDEMLVQVQDNGEGISKEDIEHIFERFYRSDKARNRTTTQSGVGIGLSILYQIVEAYRCRID  480
consensus                                    !!!!!!!!! !!!!!!!!!!!!!!!!!!!!
```

X non conserved
X similar
X $\geq$ 50% conserved