```
logo

NTDB id 1119873 EL076 RS01725 WP 003092189.1  ....MSKLFGKVTIRKKLTITAAVVFFIVLSMFTLVVVLSANTLLLQRERQNVNNTISKVVTYIEKDWDSDEELSPEPLL   76
NTDB id 472 HSISS4 RS01435 WP 002883784.1    MSKLQDKLFGKVTIRKKLTMTTAVVFFLVLSMFTLVVVFSANTLLLQRERQNVNTTISKVVTYIEKDWDSDEELSPEPLL   80
consensus                                    ****  !!!!!!!!!!!!!*! !!!!!*!!!!!!!!!! !!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 1119873 EL076 RS01725 WP 003092189.1  AALYSPKDIYGSMINGVLSEKHSLDGQVAVSNKLYSNQSVYVYDKKGTFIFTSEEDTDSPPGMSEVNKLKSVSYKGKRGF   156
NTDB id 472 HSISS4 RS01435 WP 002883784.1    AALYSPKNIYASIINGVLSEKHSLDGQVAISNKLYSNQSVFVYDKKGTFIFTSEENTDSPPGMSEVNKLKSVSYKGKRGF   160
consensus                                    !!!!!!! !!*!*!!!!!!!!!!!!!!!!*!!!!!!!!!!*!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 1119873 EL076 RS01725 WP 003092189.1  LLQVPIYGKDKKTIVGYAQVFHDLEFYYALKKRLIFLLIFLEVGITVLVIAVTVVVLTSILRPMRQLHETMGIITDSPSD   236
NTDB id 472 HSISS4 RS01435 WP 002883784.1    LLQVPIYGKDKKTIVGYAQIFHDLEFYYALKERLIFLLIFLEVGMTVLVIAATVVVLTSILRPMRQLHETMGVITDSPSD   240
consensus                                    !!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!! !!!!!!!!!!!!*!!!!!! !!!!!!!!!!!!!!!!!!!!!*!!!!!!!

logo

NTDB id 1119873 EL076 RS01725 WP 003092189.1  LELRSKIESHDEIGDLAVNFNRMMDKIQENNQMQMRFLSDVSHELRTPIAVIKGHMDLLQRWGKNDPEILEESLEAASHE   316
NTDB id 472 HSISS4 RS01435 WP 002883784.1    LELRSKIESHDEIGDLAVNFNRMMDKIQENNQMQMRFLSDVSHELRTPIAVIKGHMDLLQRWGKNDPEILEESLEAASHE   320
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 1119873 EL076 RS01725 WP 003092189.1  ANRMTIMINDMLDSIRVKGSFDNHRNDTCDLNSSIRTVIGNFRVLHEDYQFYLNDFESSERPAQIYSQHFEQVITILIDN   396
NTDB id 472 HSISS4 RS01435 WP 002883784.1    ANRMTIMINDMLDSIRVKGSFENHRNDTCDLNSSIRTVIGNFRVLHEDYQFYLNDFESSERPAQIYSQHFEQAITILIDN   400
consensus                                    !!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 1119873 EL076 RS01725 WP 003092189.1  AVKYSPVNKEIQVTIKALEDEMLVQVQDNGEGISKEDIEHIFERFYRSDKARNRTTTQSGVGIGLSILYQIVEAYRCHID   476
NTDB id 472 HSISS4 RS01435 WP 002883784.1    AVKYSPVNKEIQVTIKALEDEMLVQVQDNGEGISKEDIEHIFERFYRSDKARNRTTTQSGVGIGLSILYQIVEAYRCRID   480
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!

logo

NTDB id 1119873 EL076 RS01725 WP 003092189.1  VSSELGVGTRFDLYIPFAGSETTTPQLED   505
NTDB id 472 HSISS4 RS01435 WP 002883784.1    VSSELGVGTRFDLYIPFADGETTTPQLEL   509
consensus                                    !!!!!!!!!!!!!!!!!!  !!!!!!!!
```

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