logo



```
NTDB id 37317 SPN994039 RS10555 WP 001269488.1  MRYITVEDLSFYYDKEPVLEHINYSVDSGEFVTLTGENGAAKTTLIKASLGILQPRIGKVAISKTNTQGKKLRIAYLPQQ   80
NTDB id 438 SPR RS10080 WP 001269474.1          MRYITVEDLSFYYDKEPVLEHINYCVDSGEFVTLTGENGAAKTTLIKASLGILQPRIGKVAISKTNTQGKKLRIAYLPQQ   80
NTDB id 435 SGO RS09490 WP 012130955.1          MRYITVENLSFYYDKEPVLEHIHYFLDSGEFVTLTGENGAAKTTLIKASLGILQPKHGEVKISKINTQGKKLRIAYLPQQ   80
consensus                                       !!!!!!!*!!!!!!!!!!!!!!*! *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!**!*!*!!!*!!!!!!!!!!
```

logo



```
NTDB id 37317 SPN994039 RS10555 WP 001269488.1  IASFNAGFPSTVYEFVKSGRYPRKGWFRRLNAHDEEHIKASLDSVGMWEHRDKRLGSLSGGQKQRAVIARMFASDPDVFI  160
NTDB id 438 SPR RS10080 WP 001269474.1          IASFNAGFPSTVYEFVKSGRYPRKGWFRRLNAHDEEHIKASLDSVGMWEHRDKRLGSLSGGQKQRAVIARMFASDPDVFI  160
NTDB id 435 SGO RS09490 WP 012130955.1          IASFNAGFPSTVYEFVKSGRYPRKGWFRRLNEHDEEHIKASLESVGMWEHRDKRIGSLSGGQKQRAVIARMFASDPDIFV  160
consensus                                       !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!*!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!*!*
```

logo



```
NTDB id 37317 SPN994039 RS10555 WP 001269488.1  LDEPTTGMDAGSKNEFYELMHHSAHHHGKAVLMITHDPEEVKDYADRNIHLVRNQDSPWRCFNVHEN..GQEVGHA  234
NTDB id 438 SPR RS10080 WP 001269474.1          LDEPTTGMDAGSKNEFYELMHHSAHHHGKAVLMITHDPEEVKDYADRNIHLVRNQDSPWRCFNVHEN..GQEVGHA  234
NTDB id 435 SGO RS09490 WP 012130955.1          LDEPTTGMDAGSKDEFYKLMHHSAHKHGKAVLMITHDPEEVKKYADRNIHLVRNQDSPWRCFNVHESDNGQEVSHA  236
consensus                                       !!!!!!!!!!!!!*!!!*!!!!!!!*!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!*  !!!!*!!
```

X non conserved

X similar

X ≥ 50% conserved