```
logo

NTDB id 1143028 STN4L RS04920 WP 113870421.1  MSDNRCHLEEKYTWDLTTIFATDADWETEYESIVQDLKKASSFAGHLLDSAKNLLEATELYMSLMRRLEKIYVYASMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1     MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                     !!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!! *!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 1143028 STN4L RS04920 WP 113870421.1  QDTTVGLYQEYNAKASNLYSQLSEAFAYFEPEFMALEAEKLVSFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1     QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                     !!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!*  !!  !!!!!!!!!!!!!!!!!!!!
```

```
logo                                          EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS
NTDB id 1143028 STN4L RS04920 WP 113870421.1  EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
NTDB id 480 HSISS4 RS02090 WP 002890133.1     EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

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