```
NTDB id 374 SMU RS06885 WP 002262930.1       ......MKKILIVDDEKPISDIIKFNLAKEGYDTITAFDGREALSKYEEENPDLIILDLMLPELDGLEVAKEVR...KNS   71
NTDB id 209503 AUO97 RS03065 WP 000389061.1  MEDAFQNLKVMVIDDSKTIRRTAETLLQREGCEVITAVDGFEALSKIAEANPDIVFVDIMMPRLDGYQTCALIKNSQNYQ   80
NTDB id 1047 HON27 RS03110 WP 000389061.1    MEDAFQNLKVMVIDDSKTIRRTAETLLQREGCEVITAVDGFEALSKIAEANPDIVFVDIMMPRLDGYQTCALIKNSQNYQ   80
NTDB id 1417 SGL RS04200 WP 014407071.1      ......MNAVLLVEDSSSQREMISGILKDHGWQVTIACDGVEALEKLQNFSPDLVVLDIVMPRMNGYEVCRRIKSDPKTK   74
consensus                                    ****** *******!******* ***!***!*****!*!!*!!!*!*****!!****!***!***!*  ******** **
```

```
NTDB id 374 SMU RS06885 WP 002262930.1       HVPIIMLSAKDSEFDKVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENASGIPEIIIGDLQILPDAFVA   151
NTDB id 209503 AUO97 RS03065 WP 000389061.1  NIPVIMLSSKDGLFDQAKGRVVGSDEYLTKPFSKDELLNAIRNHVSS.................................   127
NTDB id 1047 HON27 RS03110 WP 000389061.1    NIPVIMLSSKDGLFDQAKGRVVGSDEYLTKPFSKDELLNAIRNHVSS.................................   127
NTDB id 1417 SGL RS04200 WP 014407071.1      NVPVIMCSSKGEEFDRFWGMRQGADAYIAKPFQPMELVGTIKQLLRN.................................   121
consensus                                    **!*!!*!*!** !!***!***! !*!**!!!***!!********* *
```

```
NTDB id 374 SMU RS06885 WP 002262930.1       KKRGTEVELTHREFELLHHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYM   231
NTDB id 209503 AUO97 RS03065 WP 000389061.1  ...............................................................................   127
NTDB id 1047 HON27 RS03110 WP 000389061.1    ...............................................................................   127
NTDB id 1417 SGL RS04200 WP 014407071.1      ...............................................................................   121
consensus
```

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NTDB id 374 SMU RS06885 WP 002262930.1       KSYD   235
NTDB id 209503 AUO97 RS03065 WP 000389061.1  ....   127
NTDB id 1047 HON27 RS03110 WP 000389061.1    ....   127
NTDB id 1417 SGL RS04200 WP 014407071.1      ....   121
consensus
```

X non conserved
X similar
X ≥ 50% conserved