```
logo
                                                  MEDAFQNLKVMVYDDSKTIRRTLETLLQREGCEVITAVDGFEALSKIAEANPDLVFVDIMMPRLDGYQVCALIKNSQNYQ
                                                  KATLTTEESPQSDTAKFTLADHWDTTTGTRALEYLENESTTTYLDLVLTEMNLLETAKEVRSDPKNK
NTDB id 374 SMU RS06885 WP 002262930.1            ......MKKILIVDDEKPISDIIKFNLAKEGYDTITAFDGREALSKYEEENPDLIILDLMLPELDGLEVAKEVR...KNS    71
NTDB id 1072304 ACI5EZ RS15170 WP 000389061.1     MEDAFQNLKVMVIDDSKTIRRTAETLLQREGCEVITAVDGFEALSKIAEANPDIVFVDIMMPRLDGYQTCALIKNSQNYQ    80
NTDB id 1047 H0N27 RS03110 WP 000389061.1         MEDAFQNLKVMVIDDSKTIRRTAETLLQREGCEVITAVDGFEALSKIAEANPDIVFVDIMMPRLDGYQTCALIKNSQNYQ    80
NTDB id 1417 SGL RS04200 WP 014407071.1           ......MNAVLLVEDSSSQREMISGILKDHGWQVTIACDGVEALEKLQNFSPDLVVLDIVMPRMNGYEVCRRIKSDPKTK    74
consensus                                         ****** *******!******* ***!***!*****!*!!*!!!*!*****!!****!***!***!*  ******** **
```

```
logo
                                                  NVPVIMLSSKDGLFDQAKGRVVGSDEYLTKPFSKDELLNAIRNHVSS
                                                  HTTTTCAIGEERFTLETADATYATTTQNMLVARVKALLRRNTENIESAVAEENASGIPEIIIGDLQILPDAFVA
NTDB id 374 SMU RS06885 WP 002262930.1            HVPIIMLSAKDSEFDKVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENASGIPEIIIGDLQILPDAFVA   151
NTDB id 1072304 ACI5EZ RS15170 WP 000389061.1     NIPVIMLSSKDGLFDQAKGRVVGSDEYLTKPFSKDELLNAIRNHVSS................................   127
NTDB id 1047 H0N27 RS03110 WP 000389061.1         NIPVIMLSSKDGLFDQAKGRVVGSDEYLTKPFSKDELLNAIRNHVSS................................   127
NTDB id 1417 SGL RS04200 WP 014407071.1           NVPVIMCSSKGEEFDRFWGMRQGADAYIAKPFQPMELVGTIKQLLRN................................   121
consensus                                         **!*!!*!*!** !!***!***! !*!**!!!***!!******** *
```

```
logo
                                                  KKRGTEVELTHREFELLHHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYM
NTDB id 374 SMU RS06885 WP 002262930.1            KKRGTEVELTHREFELLHHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYM   231
NTDB id 1072304 ACI5EZ RS15170 WP 000389061.1     ..................................................................................   127
NTDB id 1047 H0N27 RS03110 WP 000389061.1         ..................................................................................   127
NTDB id 1417 SGL RS04200 WP 014407071.1           ..................................................................................   121
consensus
```

```
logo
                                                  KSYD
NTDB id 374 SMU RS06885 WP 002262930.1            KSYD   235
NTDB id 1072304 ACI5EZ RS15170 WP 000389061.1     ....   127
NTDB id 1047 H0N27 RS03110 WP 000389061.1         ....   127
NTDB id 1417 SGL RS04200 WP 014407071.1           ....   121
consensus
```

X non conserved
X similar
X ≥ 50% conserved