```
logo
                                                  MENNFDGLKVMVIDDSKTIRRTAETLLQKAGCEVVTAIDGFDALAKIVDHNPDIIFVDIMMPRLDGYQTCALIKNNPDYA
                                                  MEDAFQNLKVMVIDDSKTIRRTAETLLQREGCEVITAVDGFEALSKIAEANPDIVFVDIMMPRLDGYQTCALIKNSQNYQ
NTDB id 374 SMU RS06885 WP 002262930.1            ......MKKILIVDDEKPISDIIKFNLAKEGYDTITAFDGREALSKYEEENPDLIILDLMLPELDGLEVAKEVR...KNS   71
NTDB id 413 AAK55817.1 141..845( )                ......MKKILIVDDEKPISDIIKFNMTKEGYEVVTAFNGREALEQFEAEQPDIIILDLMLPEIDGLEVAKTIR...KTS   71
NTDB id 1417 SGL RS04200 WP 014407071.1           ......MNAVLLVEDSSSQREMISGILKDHGWQVTIACDGVEALEKLQNFSPDLVVLDIVMPRMNGYEVCRRIKSDPKTK   74
NTDB id 236079 CEP87 RS05460 WP 011514416.1       MENNFDGLKVMVIDDSKTIRRTAETLLQKAGCEVVTAIDGFDALAKIVDHNPDIIFVDIMMPRLDGYQTCALIKNNPDYA   80
NTDB id 1047 HON27 RS03110 WP 000389061.1         MEDAFQNLKVMVIDDSKTIRRTAETLLQREGCEVITAVDGFEALSKIAEANPDIVFVDIMMPRLDGYQTCALIKNSQNYQ   80
consensus                                              * ******!********  ** **!*****! *! *!! ** * *!!****!***!***!***** **    *

logo
                                                  HVPIIMLSAKDSEFDKVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENASGIPEIIIGDLQILPDAFVA
                                                  SVPILMLSAKDSEFDKVIGLELGADDYVTKPFSNRELQARVKALLRRSQPMPVDGQ.EADSKPQPIQIGDLEIVPDAYVA
NTDB id 413 AAK55817.1 141..845( )                NVPVIMCSSKGEEFDRFWGMRQGADAYIAKPFQPMELVGTIKQLLRN...............................
NTDB id 1417 SGL RS04200 WP 014407071.1           SKPVIMLSSKDGLFDKARGRIVGSDEYLTKPFSKDELFEAINQYR..................................
NTDB id 236079 CEP87 RS05460 WP 011514416.1       NTPVIMLSSKDGLFDQAKGRVVGSDEYLTKPFSKDELLNAIRNHVSS................................
NTDB id 1047 HON27 RS03110 WP 000389061.1
consensus                                          *!**!*!*!* *!!*  !* *!*!*!**!!!*  !!** *** **

logo
                                                  KKYGEELDLTHREFELLYHLASHTGQVITREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYM
NTDB id 374 SMU RS06885 WP 002262930.1            KKRGTEVELTHREFELLHHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYM  231
NTDB id 413 AAK55817.1 141..845( )                KKYGEELDLTHREFELLYHLASHTGQVITREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYM  230
NTDB id 1417 SGL RS04200 WP 014407071.1           ......................................................................................  121
NTDB id 236079 CEP87 RS05460 WP 011514416.1       ......................................................................................  125
NTDB id 1047 HON27 RS03110 WP 000389061.1         ......................................................................................  127
consensus

   <0

logo
                                                  RSYD
                                                  RNNA
NTDB id 374 SMU RS06885 WP 002262930.1            KSYD.   235
NTDB id 413 AAK55817.1 141..845( )                RNNA*   234
NTDB id 1417 SGL RS04200 WP 014407071.1           .....   121
NTDB id 236079 CEP87 RS05460 WP 011514416.1       .....   125
NTDB id 1047 HON27 RS03110 WP 000389061.1         .....   127
consensus
```

X non conserved

X similar

X ≥ 50% conserved