```
logo
                                                  MKKYLYYDDSKTIRRTIKINLKKEGYEVYTAFDGREALSKIEEENPDIYILDIMMPRLDGYEVCKLIK   KTS
                                                  MEDAFQNLAIMLIESSQSEMASGTMADHWDTTICNVFAQFQAAGLLFVLVLIEMNLQTAATREVRNDCAFK
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 197983 BI364 RS01405 WP 070079811.1       ..........MVIDDSKTIRRTAETLLKKEGCEVVTANDGFEALAKIAEFRPDIVFVDIMMPRLDGYQTCALIKQNGAFR   70
NTDB id 1047 HON27 RS03110 WP 000389061.1         MEDAFQNLKVMVIDDSKTIRRTAETLLQREGCEVITAVDGFEALSKIAEANPDIVFVDIMMPRLDGYQTCALIKNSQNYQ   80
consensus                                              * ******!********  ** **!*****! *! !!! ** * *!!****!***!***!***** **    *

logo
                                                  NVPVIMLSSKDSEFDKVIGLEIGADDYVTKPFSNRELLARIKALLRR
                                                  RTTLLCAIGETQFRVMTTSEATAITQKMDLQDTVRRFTSNSENTESAVAEENASGTPEITIGDLQILYPDAYVA
NTDB id 374 SMU RS06885 WP 002262930.1            HVPIIMLSAKDSEFDKVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENASGIPEIIIGDLQILPDAFVA   151
NTDB id 413 AAK55817.1 141..845( )                SVPILMLSAKDSEFDKVIGLELGADDYVTKPFSNRELQARVKALLRRSQPMPVDGQ.EADSKPQPIQIGDLEIVPDAYVA   150
NTDB id 1417 SGL RS04200 WP 014407071.1           NVPVIMCSSKGEEFDRFWGMRQGADAYIAKPFQPMELVGTIKQLLRN...................................   121
NTDB id 197983 BI364 RS01405 WP 070079811.1       KTPVIMLSSKDSIFDKARGRIVGSEEYLTKPFTRDDLLDAIRKFT.....................................   115
NTDB id 1047 HON27 RS03110 WP 000389061.1         NTPVIMLSSKDGLFDQAKGRVVGSDEYLTKPFSKDELLNAIRNHVSS....................................   127
consensus                                          *!**!*!*!***!!*  !* *!***!**!!!*  *!** **  **

logo
                                                  KKYGEEYELTHREFELLYHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYM
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 197983 BI364 RS01405 WP 070079811.1       ......................................................................................   115
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 197983 BI364 RS01405 WP 070079811.1       .....   115
NTDB id 1047 HON27 RS03110 WP 000389061.1         .....   127
consensus
```

X non conserved

X similar

X ≥ 50% conserved