```
logo

NTDB id 78152 IR04 RS14625 WP 000208357.1    MTTKAKAAPKRKVANSKRLPDGPDWTFELIERYHQEIRRVAELYRLDTYPNQIEIITSEQMMDAYSSIGMPINYNHWSFG    80
NTDB id 1450 BW25113 RS06185 WP 000190854.1  .....MATIDSMNKDTTRLSDGPDWTFDLLDVYLAEIDRVAKLYRLDTYPHQIEVITSEQMMDAYSSVGMPINYPHWSFG    75
consensus                                    ***** ! *      * !!*!!!!!!!*!** !* !! !!! !!!!!!!!*!!!*!!!!!!!!!!!!*!!!!!!*!!!!!

logo

NTDB id 78152 IR04 RS14625 WP 000208357.1    KKFIQTEQTYKHGQMGLAYEIVINSDPCIAYLMEENTVTMQALVMAHACYGHNSFFKGNYLFQTWTDASSIIDYLLFAKN   160
NTDB id 1450 BW25113 RS06185 WP 000190854.1  KKFIETERLYKHGQQGLAYEIVINSNPCIAYLMEENTITMQALVMAHACYGHNSFFKNNYLFRSWTDASSIVDYLIFARK   155
consensus                                    !!!! !!  !!!!! !!!!!!!!!! !!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!! !!!! *!!!!!!!*!!!*!!*

logo

NTDB id 78152 IR04 RS14625 WP 000208357.1    YIAECEQKFGVNEVEKLLDSCHALMNYGVDRYKRPEKISIAEEKARQEEREAYLQSQVNALWRTVPKKAVEQ..EKQRRF   238
NTDB id 1450 BW25113 RS06185 WP 000190854.1  YITECEERYGVDEVERLLDSCHALMNYGVDRYKRPQKISLQEEKARQKSREEYLQSQVNMLWRTLPKREEEKTVAEARRY   235
consensus                                    !! !!! **!! !!!*!!!!!!!!!!!!!!!!!!! !!!* !!!!!!  !! !!!!!!! !!!!*!!*  ! **   !!*

logo

NTDB id 78152 IR04 RS14625 WP 000208357.1    PSEPQENILYFIEKHAPLLEPWQREIVRIVRKVSQYFYPQKQTQVMNEGWATFWHYTILNHLYDEGLLSDKFMLEFLHSH   318
NTDB id 1450 BW25113 RS06185 WP 000190854.1  PSEPQENLLYFMEKNAPLLESWQREILRIVRKVSQYFYPQKQTQVMNEGWATFWHYTILNHLYDEGKVTERFMLEFLHSH   315
consensus                                    !!!!!!!*!!!*!!*!!!!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! ****!!!!!!!!!

logo

NTDB id 78152 IR04 RS14625 WP 000208357.1    TSVVAQPPYNSRYFSGINPYALGFAMFRDIKRICEEPTEEDKEWFPELAGANWLDALHFAMRNFKDESFISQYLSPKLIR   398
NTDB id 1450 BW25113 RS06185 WP 000190854.1  TNVVFQPPYNSPWYSGINPYALGFAMFQDIKRICQSPTEEDKYWFPDIAGSDWLETLHFAMRDFKDESFISQFLSPKVMR   395
consensus                                    ! !! !!!!!!***!!!!!!!!!!!!!! !!!!!!  !!!!!! !!!**!!  !!* !!!!!! !!!!!!!!!*!!!!**!

logo

NTDB id 78152 IR04 RS14625 WP 000208357.1    DFKFFAICDDDRKNHIEISAIHDDLGYQQIREKLAAQYNLSNLEPNIQVYSVDVRGDRSLTLQYVPHDRIPLDPSYEEVL   478
NTDB id 1450 BW25113 RS06185 WP 000190854.1  DFRFFTVLDDDRHNYLEISAIHNEEGYREIRNRLSSQYNLSNLEPNIQIWNVDLRGDRSLTLRYIPHNRAPLDRGRKEVL   475
consensus                                    !!*!! **!!!!*!**!!!!!! * !!  !! *!  !!!!!!!!!!!** !!*!!!!!!!! !*!! ! !!!*   !!!

logo

NTDB id 78152 IR04 RS14625 WP 000208357.1    KHLHRLWGFEVKLEEVKDTGRREILATCPKKNDSESRI   516
NTDB id 1450 BW25113 RS06185 WP 000190854.1  KHVHRLWGFDVMLEQQNEDGSIELLERCPPRMGNL...   510
consensus                                    !!*!!!!!!*! !!   * !  !*!  !!**    ***
```

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