```
logo

NTDB id 64512 SMSK321 RS08630 WP 000653758.1  MKDLFLKRKQAFRKECLGYLRYVLNDHFVLFLLVLLGFLAYQYSQLLQHFPENHWPILLFIGITSVLLLLWGGIATYMEA   80
NTDB id 474 HSISS4 RS07765 WP 418080400.1     MAKLFKERSKRFNARCAKYSRYVFNDHFILVLLFLLGFVLVQYSQLLKHFPKNPWAIILGLLVLCLLLPFWGNIATYLEP   80
NTDB id 482 STER RS07725 WP 011681529.1       MAELFKERSRRFTTRCAKYSRYVFNDHFILVLLFLLGFVLVQYSQLLRHFPKNPWAIILGLLVLCLLLPFWGNIATYLEP   80
consensus                                     !**!!**!***!  *!**!*!!!*!!!!*!*!!*!!!!***!!!!!!*!!!*!*!*!*!*******!!**!!*!!!!*!*

logo

NTDB id 64512 SMSK321 RS08630 WP 000653758.1  PDKLFLLVGEEEIKLHLNRQTGISLAFWLFVQTLFLLLFAPLFLAMGYGLPVFLVYVLLLGVGKYFLFRQKASKFFTETG  160
NTDB id 474 HSISS4 RS07765 WP 418080400.1     ADKHYLLVKEEEVLDHVKKATGRAFRFWVIVQTLIFILVIPLFLALGLPVWGVILVAVAMAILKCFIFQKKAQPFYKQSG  160
NTDB id 482 STER RS07725 WP 011681529.1       ADKHYLLVKEEEVLDHIKKATGRAFRFWVLIQTLIFILVVPLFLALGLPVWGVVLIAVAMAILKYFIFQKKAQPFYKQSG  160
consensus                                     *!!**!!!*!!!***!****!!****!!**!!!***!**!!!!!*!***************!*!*!**!!**!****!

logo

NTDB id 64512 SMSK321 RS08630 WP 000653758.1  LDWDYVISQESKRKQVLLRFFALFTQVKGISNSVKRRAYLDFILKAVQKVPGKIWQNLYLRSYLRNGDLFALSLRLLLLS  240
NTDB id 474 HSISS4 RS07765 WP 418080400.1     LNWTKAIAGENKRQQSILKFFSLFTNVKGITSSVKRRAYLDGILKRTKKDKEHTWYNLYLRAFLRSGDYFALSLRLFALT  240
NTDB id 482 STER RS07725 WP 011681529.1       LNWTDAIAAENKRQQSILKFFSLFTNVKGITSSVKRRGYLDGILKRTKKDKKYTWYNLYLRAFLRSGDYVALSLRLFALT  240
consensus                                     !*!* *!**!*!!*!**!*!!*!!!*!!!!**!!!!!*!!!*!!!***!**  *!*!!!!!**!!*!!**!!!!!!**!*

logo

NTDB id 64512 SMSK321 RS08630 WP 000653758.1  LLAQVFIEQAWIATAVVVLFNYLLLFQLLALYHAFDYQYLTQLFPLDKGQKEKGLQAVVRGLTSLVLVVELVVGLITFQE  320
NTDB id 474 HSISS4 RS07765 WP 418080400.1     LLVIFLVPEKWLAMVLVVVFDYLLLFQLTALKSHFAYQRMANLMPVGKDMQVSNLKRLI...TQIVLVLTLVQAICLFDL  317
NTDB id 482 STER RS07725 WP 011681529.1       LLVIFLVPEKWLAMVLVVVFDYLLLFQLTALKSHFAYQRMANLMPIGKDMQVSNLKRLI...NQIVLVMTLIQALCLFDL  317
consensus                                     !!********!*!***!!*!*!!!!!!!*!!***!*!!****!*!**!******!****   ***!!!**!******!**

logo

NTDB id 64512 SMSK321 RS08630 WP 000653758.1  KLALLALLGAGLVLLVLYLPYQVKRQMQD   349
NTDB id 474 HSISS4 RS07765 WP 418080400.1     KFS.LILVGIMLVLSLVYLPAKLKKMID.   344
NTDB id 482 STER RS07725 WP 011681529.1       KFS.LILIGVMLVLSLVYLPAKLKKMID.   344
consensus                                     !** !*!*!**!!!***!!!***!****
```

X non conserved

X similar

X ≥ 50% conserved