```
logo

NTDB id 1131394 H1W89 RS02130 WP 024703983.1  MAELFKERSRRFTTRCAKYSRYVFNDHFILVLLFLLGFVLVQYSQLLRHFPKNPWAIILGLLVLCLLLPFWGNIATYLEP   80
NTDB id 482 STER RS07725 WP 011681529.1       MAELFKERSRRFTTRCAKYSRYVFNDHFILVLLFLLGFVLVQYSQLLRHFPKNPWAIILGLLVLCLLLPFWGNIATYLEP   80
NTDB id 474 HSISS4 RS07765 WP 418080400.1     MAKLFKERSKRFNARCAKYSRYVFNDHFILVLLFLLGFVLVQYSQLLKHFPKNPWAIILGLLVLCLLLPFWGNIATYLEP   80
consensus                                     !!*!!!!!!*!!**!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 1131394 H1W89 RS02130 WP 024703983.1  ADKHYLLVKEEEVLDHIKKATGRAFRFWVLIQTLIFILVVPLFLALGLPVWGVVLIAVAMAILKYFIFQKKAQPFYKQSG  160
NTDB id 482 STER RS07725 WP 011681529.1       ADKHYLLVKEEEVLDHIKKATGRAFRFWVLIQTLIFILVVPLFLALGLPVWGVVLIAVAMAILKYFIFQKKAQPFYKQSG  160
NTDB id 474 HSISS4 RS07765 WP 418080400.1     ADKHYLLVKEEEVLDHVKKATGRAFRFWVIVQTLIFILVIPLFLALGLPVWGVILVAVAMAILKCFIFQKKAQPFYKQSG  160
consensus                                     !!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!**!!!!!!!!*!!!!!!!!!!!!!!*!*!!!!!!!!*!!!!!!!!!!!!!!!!

logo

NTDB id 1131394 H1W89 RS02130 WP 024703983.1  LNWTDAIAAENKRQQSILKFFSLFTNVKGITSSVKRRGYLDGILKRTKKDKKYTWYNLYLRAFLRSGDYVALSLRLFALT  240
NTDB id 482 STER RS07725 WP 011681529.1       LNWTDAIAAENKRQQSILKFFSLFTNVKGITSSVKRRGYLDGILKRTKKDKKYTWYNLYLRAFLRSGDYVALSLRLFALT  240
NTDB id 474 HSISS4 RS07765 WP 418080400.1     LNWTKAIAGENKRQQSILKFFSLFTNVKGITSSVKRRAYLDGILKRTKKDKEHTWYNLYLRAFLRSGDYFALSLRLFALT  240
consensus                                     !!!!*!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!**!!!!!!!!!!!!!!!!!!*!!!!!!!!!!

logo

NTDB id 1131394 H1W89 RS02130 WP 024703983.1  LLVIFLVPEKWLAMVLVVVFDYLLLFQLTALKSHFAYQRMANLMPIGKDMQVSNLKRLINQIVLVMTLIQALCLFDLKFS  320
NTDB id 482 STER RS07725 WP 011681529.1       LLVIFLVPEKWLAMVLVVVFDYLLLFQLTALKSHFAYQRMANLMPIGKDMQVSNLKRLINQIVLVMTLIQALCLFDLKFS  320
NTDB id 474 HSISS4 RS07765 WP 418080400.1     LLVIFLVPEKWLAMVLVVVFDYLLLFQLTALKSHFAYQRMANLMPVGKDMQVSNLKRLITQIVLVLTLVQAICLFDLKFS  320
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 1131394 H1W89 RS02130 WP 024703983.1  LILIGVMLVLSLVYLPAKLKKMID  344
NTDB id 482 STER RS07725 WP 011681529.1       LILIGVMLVLSLVYLPAKLKKMID  344
NTDB id 474 HSISS4 RS07765 WP 418080400.1     LILVGIMLVLSLVYLPAKLKKMID  344
consensus                                     !!!*!*!!!!!!!!!!!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved