```
logo

NTDB id 1247 GC085 RS11680 WP 015961431.1  ........................................MKQLGSCCQYCAYPLSDDTYLVCGQCVRKRPSFDSAYIAYRFEEPL   46
NTDB id 1270 LPP RS11540 WP 015961431.1    MLQKFLSITQNLRLPSICTLC.NQFHKSQLAVCSNCMEFMKQLGSCCQYCAYPLSDDTYLVCGQCVRKRPSFDSAYIAYRFEEPL   84
NTDB id 1374 NTHI RS02640 WP 011272045.1   ..MNFF........NFRCIHCRGNLHIAKNGLCSGCQKQIKSFPYCG.HCGAEL.QYYAQHCGNCLKQEPSWDKMVIIGHYIEPL   73
NTDB id 1348 HI 0434 AAC22093.1            .MMNFF........NFRCIHCRGNLHIAKNGLCSGCQKQIKSFPYCG.HCGSEL.QYYAQHCGNCLKQEPSWDKMVIIGHYIEPL   74
consensus                                   *****        ************************!  * !***!***!*     *!!*!**  !!*!   !  ** !!!

logo

NTDB id 1247 GC085 RS11680 WP 015961431.1  RSLIHQFKYHNGLYLASFLKQLLLNALPK.....SALKPDCLIPVPMHPKRLKRRGFNQAAVLTRLLARQLNIPYDLYYCQKIIN   126
NTDB id 1270 LPP RS11540 WP 015961431.1    RSLIHQFKYHNGLYLASFLKQLLLNALPK.....SALKPDCLIPVPMHPKRLKRRGFNQAAVLTRLLARQLNIPYDLYYCQKIIN   164
NTDB id 1374 NTHI RS02640 WP 011272045.1   SILIHRFKFQNQFWIDRTLARLLYLAVRDAKRTHQLKLPEAIIPVPLYHFRQWRRGYNQADLLSRQLSRWLDIPNLSNIVKRVKH   158
NTDB id 1348 HI 0434 AAC22093.1            SILIQRFKFQNQFWIDRTLARLLYLAVRDAKRTHQLKLPEAIIPVPLYHFRQWRRGYNQADLLSQQLSRWLDIPNLNNIVKRVKH   159
consensus                                   !!* !!**!  **   !  !!  !** *****    !***!!!!**  !  !!!*!!! *!** ! ! ! !!  *  * ** *

logo

NTDB id 1247 GC085 RS11680 WP 015961431.1  TASQANLDGEQRRKNLRHAFYVP....PVTYEHVMIVDDLLTTGSTANEIAHTLKNAGVKRVDICCCARAVTKN   196
NTDB id 1270 LPP RS11540 WP 015961431.1    TASQANLDGEQRRKNLRHAFYVP....PVTYEHVMIVDDLLTTGSTANEIAHTLKNAGVKRVDICCCARAVTKN   234
NTDB id 1374 NTHI RS02640 WP 011272045.1   TYTQRGLSAKDRRQNLKNAFSLVVSKNEFPYRRVALVDDVITTGSTLNEISKLLRKLGVEEIQVWGLARA....   228
NTDB id 1348 HI 0434 AAC22093.1            TYTQRGLSAKDRRQNLKNAFSLAVSKNEFPYRRVALVDDVITTGSTLNEISKLLRKLGVEEIQVWGLARA....   229
consensus                                  ! *!  ! *  !! !!**!! ******* *! *! *!!!**!!!!! !!! * !*  !!  * ****!!!****
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X non conserved

X similar

X $\geq$ 50% conserved