```
logo

NTDB id 1103 NMB RS07590 WP 002212976.1      MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRNGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYLEGRI   80
NTDB id 1131 NGFG RS05740 WP 003695064.1     MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRNGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYLEGRI   80
NTDB id 624 LCA RS00040 WP 011373726.1       .MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDRE..ADFINCVIWRKSAENFANFTKKGSLVGVDGRL   77
NTDB id 179397 AOU00 RS12695 WP 013312801.1 .MLNRVILIGRLTKDPELRYTPSGVAVTQFTLAVDRPFTSQGGERE..ADFLPIVTWRQLAETCANYLRKGRLTAVEGRV   77
NTDB id 113 BSU 40900 NP 391970.1            .MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGERE..ADFINCVTWRRQAENVANFLKKGSLAGVDGRL   77
consensus                                     **!*!*!*!!!**!***!!***! !! *!**!* ****  *!*!*  **********!**!!  *****!! !****!!*

logo

NTDB id 1103 NMB RS07590 WP 002212976.1      QSRKYQGKDGIERTAYDIVANEMKMLGGRNENSGGA......PYEE.........GYGQSQEAYQRPAQQSRQPASDAPS   145
NTDB id 1131 NGFG RS05740 WP 003695064.1     QSRKYQGKDGIERTAYDIVANEMKMLGGRNENSGGA......PYDE.........GYGQSQEAYQRPAQQSRQPAPDAPS   145
NTDB id 624 LCA RS00040 WP 011373726.1       QTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQQSG.......FTSP.QQ..........   139
NTDB id 179397 AOU00 RS12695 WP 013312801.1 QVRNYENNEGKRVYVTEIVADNVRFLESNRDGGNG.....GGN..........SGGAAREESPFGGGNSN..........   132
NTDB id 113 BSU 40900 NP 391970.1            QTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSG.....SGGYNEGNSGGGQYFGGGQNDNPFGGNQNN..........   142
consensus                                    !*!*!****! ********** ***!* ***   *         * *         ! **    *  * **

logo

NTDB id 1103 NMB RS07590 WP 002212976.1      HPQEAPAAPRRQP...VPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1     HPQEAPAAPRRQP...VPAAAPVEDIDDDIPF   174
NTDB id 624 LCA RS00040 WP 011373726.1       .TGNAPAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 179397 AOU00 RS12695 WP 013312801.1 .SGRGNNNSRNNQDPFSDDGKPIDISDDDLPF   163
NTDB id 113 BSU 40900 NP 391970.1            .Q.RRNQGNSFNDDPFANDGKPIDISDDDLPF   172
consensus                                        **** * * ***   * *****!!!*!!
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X non conserved

X similar

X $\geq$ 50% conserved