```
logo

NTDB id 1383 A4U84 RS08530 WP 005711781.1      .MKKIRLIRPLAKAFTLIELMIVIAIIAILATIAIPSYTSYTQKAALSELLSASASYKSDVEICIYNVGDKKISECSSGK   79
NTDB id 1038 H0N27 RS01510 WP 000993725.1      ........MNAQKGFTLIELMIVVAIIGILAAIAIPQYQNYIAKSQVNSGFSEISSIKTGY.ENAVNEGAVPTKLSD.VG   70
NTDB id 1197 PSJM300 03940 AFN76866.1          ......MKAQMQKGFTLIELMIVVAIIGILAAIALPAYQDYTVRSNAAAALAEITPGKIGF.EQAINEGKTPSLTSTDEG   73
NTDB id 1204 PSJM300 03935 AFN76865.1          ....MKPVKSSCRGFSLIELMIVVAIIGILAAIALPAYQNYTVRSTAASALAEITPAKAAF.EQAISEGHTPSLVSSLPG   75
NTDB id 1191 AAC28468.1 484..945( )            ......MLKKVQKGFTLIELMIVIAIIGILAAIALPAYQDYTARAQATEGFKATAGLQTDLGAWRADRGSFPNAAALVAG   74
NTDB id 1119 NGFG RS11465 WP 017147169.1       .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGKWPENNTSAGV   73
NTDB id 1109 OK783 RS10670 WP 157147416.1      .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGIWPKDNTSAGV   73
NTDB id 1424 RS RS02795 WP 011000517.1         MKSMRHLNKRVQKGFTLIELMIVVAIVGILAAIAIPAYQDYTVRARVTEGLSLAAQAKALVSENAANAQSDLSV....GS   76
NTDB id 1002 ACIAD RS15100 WP 004923779.1      ........MNAQKGFTLIELMIVIAIIGILAAIAIPAYTDYTVRARVSEGLTAASSMKTTVSENILNAGALVAGTPSTAG   72
NTDB id 1036223 AB9V63 RS04755 WP 007246132.1 ........MKAQKGFTLIELMIVVAIIGILAAVALPAYQDYTIRSKVTEGLTQAASAKLAVAETAANVGGVANVTAANSG   72
NTDB id 1274 LPP RS09530 WP 011214168.1        .........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPAT.QAATG   70
NTDB id 1258 GC085 RS09745 WP 014844212.1      .........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPAT.QAATG   70
consensus                                                ***!*!!!!!!!*!!**!!!**!*!*!**!**** ****** *   * ** * *** *  *       *

logo

NTDB id 1383 A4U84 RS08530 WP 005711781.1      .NGVRA.DKSDVPDAKYLKSISV.......ASGVITVAGKGNIDG..........YGYTM..TPKFANN.NITWATSCQ.   136
NTDB id 1038 H0N27 RS01510 WP 000993725.1      FTAATS.........SVCATYSIDAFTETDGAGKITCTLKGN........PKIATKIVEL...TRST...DGAWTCVSD.   126
NTDB id 1197 PSJM300 03940 AFN76866.1          YIGITD.......STSYCD.....VDLDTAADGHIECTAKGGNA......GKFDGKTITL...NRTA...DGEWSCAST.   128
NTDB id 1204 PSJM300 03935 AFN76865.1          FIGIGA.......STNYCT.....VTLIATATGSITCTTQNGMP......DRFNGKTITI...ARTT...DGLWDCTSD.   130
NTDB id 1191 AAC28468.1 484..945( )            NVIFDS...ANGLDGKYF............APGGVTVTPDTGAINIAFDAGANAGKTMTITPTVIAASGQISTWTCAPG.   138
NTDB id 1119 NGFG RS11465 WP 017147169.1       .ASPPT.....DIKGKYVKE..VEV.....KNGVVTATMLSSGVN.....NEIKGK..KLSLWGRRENG.SVKWFCGQPV   132
NTDB id 1109 OK783 RS10670 WP 157147416.1      .ASA.S.....TIKGKYVQK..VEV.....AKGVVTAQMASTGVN.....KEIQDK..KLSLWAKRQDG.SVKWFCGQPV   131
NTDB id 1424 RS RS02795 WP 011000517.1         SVFTPT.........KNVAN..LTIAGTGTVPGQITVTYTTAAGGGTLALVPTAAG..TALPVSSAPSG.PIMWTCYAQN   142
NTDB id 1002 ACIAD RS15100 WP 004923779.1      SSCVGVQEISASNATTNVAT..A..TCGASSAGQIIVTMDTTKAKGA...N........ITLTPTYASG.AVTWKCTTT.   135
NTDB id 1036223 AB9V63 RS04755 WP 007246132.1 FVFNPV.....AGTNSYVGA..V..AVG..AGGVITVTTKETGAAVQPVFN........LNPVQASPND.QITWTCVRT.   131
NTDB id 1274 LPP RS09530 WP 011214168.1        YVSP........AATPNVAS..I..AIG..ANGVITITYTAAAGGGT..IV........MT.PTLQANG.DVTWTCTGG.   123
NTDB id 1258 GC085 RS09745 WP 014844212.1      YVSP........AATPNVQS..I..AIG..ANGVITITYTAAAGGGT..II........MT.PTLQANG.DVTWTCTGG.   123
consensus                                       *               **    *        * ! ****    *                *        *  * !**

   <0

logo

NTDB id 1383 A4U84 RS08530 WP 005711781.1      ................GADISLFPANFCGQKATP......   154
NTDB id 1038 H0N27 RS01510 WP 000993725.1      ................VPTEFLPKGCTAGTPTEGAITSL   149
NTDB id 1197 PSJM300 03940 AFN76866.1          ................LDAKYKPGKCS............   139
NTDB id 1204 PSJM300 03935 AFN76865.1          ................LDSRYKPGKCL............   141
NTDB id 1191 AAC28468.1 484..945( )            ............AANGIETRRLPTSCQ*...........   153
NTDB id 1119 NGFG RS11465 WP 017147169.1       TRADDDTVADAKDGKEIDTKHLPSTCRDKASDAK.....   166
NTDB id 1109 OK783 RS10670 WP 157147416.1      TRTGDNDDTVADANNAIDTKHLPSTCRDESSAT......   164
NTDB id 1424 RS RS02795 WP 011000517.1         KAQAASS.VAPSGTMSLAAKYAPAECR............   168
NTDB id 1002 ACIAD RS15100 WP 004923779.1      ................S.DKKYVPSECRG...........   147
NTDB id 1036223 AB9V63 RS04755 WP 007246132.1 ................AGLAKHLPANCR............   143
NTDB id 1274 LPP RS09530 WP 011214168.1        ................TLLAKYRPASCRP...........   136
NTDB id 1258 GC085 RS09745 WP 014844212.1      ................TLLAKYRPASCRP...........   136
consensus                                                       **  **  !*  **
```

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