```
logo
NTDB id 1292 VP RS12235 WP 005479693.1       ...MKHSKQKKQQGFTLIELMIVVAIIGVLAAAAIPAYQNYVTRSEVTSGLATVKALITPAELHY....QENGIAAAATL    73
NTDB id 1119 NGFG RS11465 WP 017147169.1     .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYY....LNHGKWPENNT    69
NTDB id 1109 OK783 RS10670 WP 157147416.1    .......MNTLQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYY....LNHGIWPKDNT    69
NTDB id 1400 DSB67 RS12660 WP 010643261.1    ...MKTNKQKKQQGFTLIELMIVVAIIGILAALAIPAYQDYTKKATMAEFPKIASSTKLAVELCAHEHAADAGAFKTKCH    77
NTDB id 1191 AAC28468.1 484..945( )          ......MLKKVQKGFTLIELMIVIAIIGILAAIALPAYQDYTARAQATEGFKATAGLQIDLGAWR....ADRGSFPNAAA    70
NTDB id 1002 ACIAD RS15100 WP 004923779.1    ........MNAQKGFTLIELMIVIAIIGILAAIAIPAYTDYTVRARVSEGLTAASSMKTTVSENI....LNAGALVAGTP    68
NTDB id 1188 NELON RS01755 WP 003772458.1    .......MKAMQKGFTLIELMIVIAIIGILAAIALPAYQDYTVRSKVSEALIAASSPKSALSEAF....QTDGITGMTAA    69
NTDB id 1258 GC085 RS09745 WP 014844212.1    .........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETA....ITNNALPATQA    67
NTDB id 1274 LPP RS09530 WP 011214168.1      .........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETA....ITNNALPATQA    67
NTDB id 198002 BI364 RS19010 WP 083251559.1  .......MKKVQQGFTLIELMIVVAIIGILAAIAIPAYQDYTIRAKVTDGINLAAAAKTAVSATY....ASNGTFGEPIP    69
NTDB id 1424 RS RS02795 WP 011000517.1       MKSMRHLNKRVQKGFTLIELMIVVAIVGILAAIAIPAYQDYTVRARVTEGLSLAAQAKALVSENA....ANAQSD.....    71
consensus                                              *!*!!!!!!!!!!*!!*!*!!!*!*!!!**!*********** **    ******          *

logo
NTDB id 1292 VP RS12235 WP 005479693.1       AQLGVDVA..................ANDLGAIDS..ALAGGSPTLTFTFDA......DSSIDGGILTF...........    116
NTDB id 1119 NGFG RS11465 WP 017147169.1     .SAGVASP.............PTDIKGKYVKEVEV......KNGVVTATML...SSGVNNEIKGKKLSLWGR........    118
NTDB id 1109 OK783 RS10670 WP 157147416.1    .SAGVASA..............STIKGKYVQKVEV......AKGVVTAQMA...STGVNKEIQDKKLSLWAK........    117
NTDB id 1400 DSB67 RS12660 WP 010643261.1    .QTANGIP.................AAFTLNNLTVTPAAGAASGAISITVNAANDKGPIKQ..NEKYILTAT........    129
NTDB id 1191 AAC28468.1 484..945( )          .LVAGNVIFDSANGLDGK..........YFAPGGV..TVTPDTGAINIAFD.......AGANAGKTMTITPTVI......    124
NTDB id 1002 ACIAD RS15100 WP 004923779.1    .STAGS.......SCVGVQEISASNATTNVATATC...GASSAGQIIVTMD.......TTKAKGANITLTPTY.......    123
NTDB id 1188 NELON RS01755 WP 003772458.1    .AKAFNKTAAAGGGAGGAAAAGTQHASKYVKSVKV...TEASPWDITVAISATEANGIPTGLDGNTIRLFPLVNK.AVP.    143
NTDB id 1258 GC085 RS09745 WP 014844212.1    .ATGYVSPAATP................NVQSIAI.....GANGVITITY........TAAAGGGTIIMTPTLQ......    111
NTDB id 1274 LPP RS09530 WP 011214168.1      .ATGYVSPAATP................NVASIAI.....GANGVITITY........TAAAGGGTIVMTPTLQ......    111
NTDB id 198002 BI364 RS19010 WP 083251559.1  .LICILALLLPP..............RFQVNTLSQ............YQY.............................     92
NTDB id 1424 RS RS02795 WP 011000517.1       ..LSVGSSVFTP..............TKNVANLTI.AGTGTVPGQITVTY........TTAAGGGTLALVPTAAGTALPV    126
consensus                                      *                         *  * *         * *****             *  * * **

   <0
logo
NTDB id 1292 VP RS12235 WP 005479693.1       ..TRDAATGWSCLPTAPAIAVDGCS...........................    139
NTDB id 1119 NGFG RS11465 WP 017147169.1     ..RENGSVKWFCGQPVTRADDDTVAD..AKDGKEIDTKHLPSTCRDKASDAK    166
NTDB id 1109 OK783 RS10670 WP 157147416.1    ..RQDGSVKWFCGQPVTRTGDNDDTV..ADANNAIDTKHLPSTCRDESSAT.    164
NTDB id 1400 DSB67 RS12660 WP 010643261.1    ..YASNGVTWSSECKDATN..............AVQTSYCP...........    154
NTDB id 1191 AAC28468.1 484..945( )          .AASGQISTWTCAPGAANG...............IETRRLPTSCQ*......    153
NTDB id 1002 ACIAD RS15100 WP 004923779.1    ...ASGAVTWKCTTT...................SDKKYVPSECRG......    147
NTDB id 1188 NELON RS01755 WP 003772458.1    AATSTGAIDWACASAAKETADKRFGTGSGVAVGTLPAKYAPSECK.......    188
NTDB id 1258 GC085 RS09745 WP 014844212.1    ...ANGDVTWTCTGG..................TLLAKYRPASCRP......    136
NTDB id 1274 LPP RS09530 WP 011214168.1      ...ANGDVTWTCTGG..................TLLAKYRPASCRP......    136
NTDB id 198002 BI364 RS19010 WP 083251559.1  ..................................................     92
NTDB id 1424 RS RS02795 WP 011000517.1       SSAPSGPIMWTCYAQNKAQAASSVAPS...GTMSLAAKYAPAECR.......    168
consensus                                        * * ***                       *  ** *  **
```

X non conserved

X similar

X $\geq$ 50% conserved