```
logo
NTDB id 1188 NELON RS01755 WP 003772458.1        ........MKAMQKGFTLIELMIVIAIIGILAAIALPAYQDYTVRSKVSEALIAASSPKSALSEAFQTDGITGMTAAAKA   72
NTDB id 1021087 ABZP20 RS02525 WP 012434936.1    MVFKHSKGIKRRAGGFTLIELMIVVAIVGILAALAIPAYQDYTIRSRVTEGLIIAVQAKALVVENAANAQSSLSL.....   75
NTDB id 1424 RS RS02795 WP 011000517.1           .MKSMRHLNKRVQKGFTLIELMIVVAIVGILAAIAIPAYQDYTVRARVTEGLSLAAQAKALVSENAANAQSDLSV.....   74
NTDB id 1002 ACIAD RS15100 WP 004923779.1        .........MNAQKGFTLIELMIVIAIIGILAAIAIPAYTDYTVRARVSEGLTAASSMKTTVSENILNAGALVAG.....   66
NTDB id 1274 LPP RS09530 WP 011214168.1          ..........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPAT.....   65
NTDB id 1258 GC085 RS09745 WP 014844212.1        ..........MRQKGFTLIELMIVVAIIGILAAIAIPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPAT.....   65
consensus                                                  **!!!!!!!!!!*!!*!!!!!*!*!!!*!!!*!**!*!*!**! **!  **! *   *
```

```
logo
NTDB id 1188 NELON RS01755 WP 003772458.1        FNKTAAAGGGAGGAAAAGTQHA.....SKYVKSVKVTE..ASPWDITVAISATEANGIPTGLDGNTIRLFPLVNKAV...   142
NTDB id 1021087 ABZP20 RS02525 WP 012434936.1    .......G..........A...ASLSATRNVASLDIDGSS...GEISIGFT.....SSVAGAGSNTLILTPYSGTASSTY   127
NTDB id 1424 RS RS02795 WP 011000517.1           .......G..........S...SVFTPTKNVANLTIAGTGTVPGQITVTYT.....TA...AGGGTLALVPTAA.....G   121
NTDB id 1002 ACIAD RS15100 WP 004923779.1        .......TPSTAGSSCVGVQEISASNATTNVATATCGAS..SAGQIIVTMD.....TTK..AKGANITLTPT........   122
NTDB id 1274 LPP RS09530 WP 011214168.1          .......QAATGYV.........SPAATPNVASIAIGA....NGVITITY......TAA..AGGGTIVMTPTL.......   110
NTDB id 1258 GC085 RS09745 WP 014844212.1        .......QAATGYV.........SPAATPNVQSIAIGA....NGVITITY......TAA..AGGGTIIMTPTL.......   110
consensus                                                  *             ** *!*** ***     * !****      *    ****** **!*
```

```
logo
NTDB id 1188 NELON RS01755 WP 003772458.1        ....PAATSTGAIDWACASAAKETADKRFGTGSGVAVGTLPAKYAPSECK.   188
NTDB id 1021087 ABZP20 RS02525 WP 012434936.1    ANLSAGSAPPAVVMWACSANGKQ.MPPNVN...RTGTPTLDARYAPAECR.   173
NTDB id 1424 RS RS02795 WP 011000517.1           TALPVSSAPSGPIMWTCYAQNKAQAASSVA...PSGTMSLAAKYAPAECR.   168
NTDB id 1002 ACIAD RS15100 WP 004923779.1        .......YASGAVTWKCTT..................TS.DKKYVPSECRG   147
NTDB id 1274 LPP RS09530 WP 011214168.1          .......QANGDVTWTCTG..................GTLLAKYRPASCRP   136
NTDB id 1258 GC085 RS09745 WP 014844212.1        .......QANGDVTWTCTG..................GTLLAKYRPASCRP   136
consensus                                                 * * ! !**                   ** **! !**!*
```

X non conserved
X similar
X ≥ 50% conserved