

```

NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 326157 EGY08 RS19615 WP 123828818.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HQN27 RS13360 WP 000355489.1

```

MDITELLAFSVKNGASDLHLHSAGLPPMIRVDGVRRINLPALEHKDVHRLVYDIMNDKQRREYEELKLEDFSEFV
 ... MELNQYLDGMLTHKASDLYITVGAIPILYRVDGELRAQGEAL.SVADVITALHAMMDARQAETKQITREANFAVVRD 73
 ... MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTTPMSPEMTRETIVHGVMNEQQRREFTENHECNFAISAR 76
 ... MDFNDLNLMAKHKASDLFITAGVEPSLKLINGEITPVSKTKLDGDMIAQLIDSITTTQKQRQEFITHECNFAILNR 76
 ... MELEIIVALLSVKHNVSDLHLCNASAPRWRRQKGLE...PAPFTSPDIGKILTDWLNAEQLDQWACGQVDFALTPA 73
 MTSGIDITDILRLAADKASDIIILAAGLPQFKLSGDYDAQGFEPISASDTRKLMYSMMNERQQRIFEEKRELFDSFALG 80
 ... MQITDLLAFGAKNKAASDLHLSSGISPMIRVHGDMMRRINLPEMSAEVGNMVTSMVNDHQRKIYQQNLEVDFSFELP 76
 ... MQITDLLAFGAKNKAASDLHLSSGISPMIRVHGDMMRRINLPEMSAEVGNMVTSMVNDHQRKIYQQNLEVDFSFELP 76
 ... MDIAELLEFSVKHNASDLHLHSAGVPPMVRIDGEVRKLGVPFATHSDVHRLIFEIMNDAQRSEYEELKLEVDFSFELP 76
 ... MDIAELLEFSVKHNASDLHLHSAGVPPMVRIDGEVRKLGVPFATHSDVHRLIFEIMNDAQRSEYEELKLEVDFSFELP 76
 ... MDIAELLEFSVKHNASDLHLHSAGVPPMVRIDGEVRKLGVPFATHSDVHRLIFEIMNDAQRSEYEELKLEVDFSFELP 76
 ... MDIAELLAFSVKNKSSDLHLISAGMPPMIRVDGDLRKINLPLEHKDVIKIYYIMNDRQRKEYEEFFETDFSFEIA 76
 ... MDIAELLAFSVKNKSSDLHLISAGMPPMIRVDGDLRKINLPLEHKDVIKIYYIMNDRQRKEYEEFFETDFSFEIA 76
 ... MDITELLAFSAKQGGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEETFLETDDFSFEVP 76
 ... MDITELLAFSAKQGGASDLHLHSAGLPPMIRVDGDVRRINLPLEHKQVHALIYDIMNDKQRKDFEETFLETDDFSFEVP 76
 ... MDITELLAFSVQNRASDLHLHSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEELKLETDDFSFEVP 76
 ... MDITELLAFSVKNGASDLHLHSAGMPPMIRVDGEVRRINLPALAEHKDVHRLVYDIMNDKQRRDYEELKLETDDFSFEVP 76
 ... MDITELLAFSVKNGASDLHLHSAGMPPMIRVDGEVRRINLPALAEHKDVHRLVYDIMNDKQRRDYEELKLETDDFSFEVP 76
 ... MDITELLAFSVKNGASDLHLHSAGMPPMIRVDGEVRRINLPALAEHKDVHRLVYDIMNDKQRRDYEELKLETDDFSFEVP 76

```
NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 326157 EGY08 RS19615 WP 123828818.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17R RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HQN27 RS13360 WP 000355489.1
```

[illegible]


```

NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 326157 EGY08 RS19615 WP 123828818.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
consensus

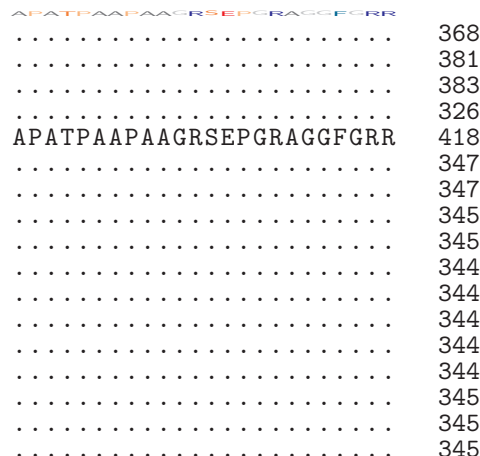
```



```

NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 326157 EGY08 RS19615 WP 123828818.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
consensus

```



-  non conserved
-  similar
-  >50% conserved