

```

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 107567 A8L40 RS04755 WP 001055622.1
NTDB id 1448 BW25113 RS15320 WP 001326494.1
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 GQ085 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PA0395 NP 249086.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

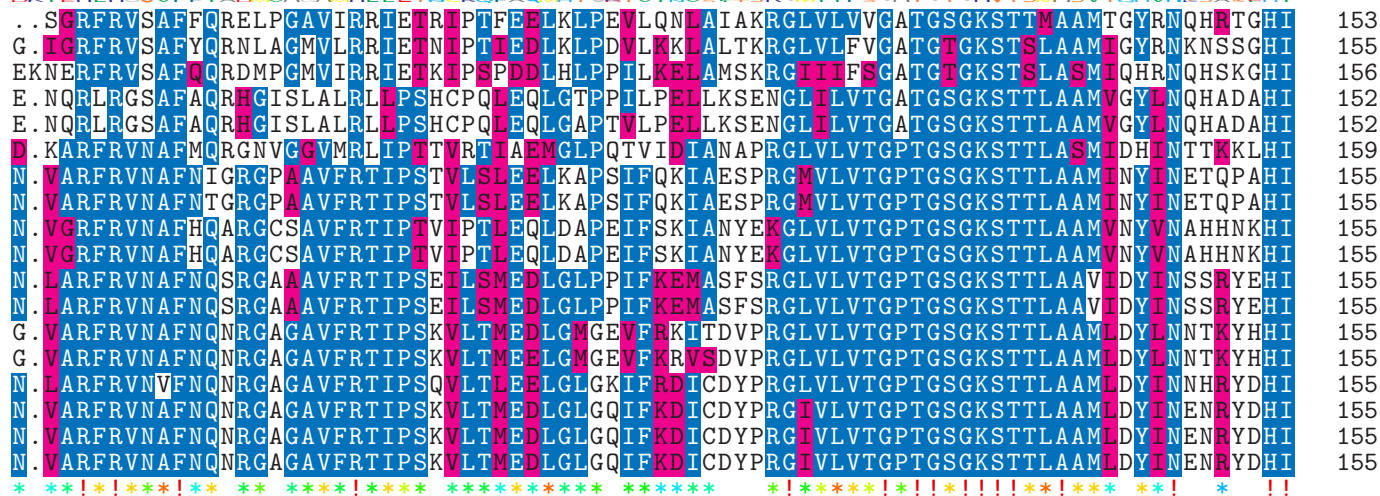
```



```

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 107567 A8L40 RS04755 WP 001055622.1
NTDB id 1448 BW25113 RS15320 WP 001326494.1
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 PA0395 NP 249086.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

```



logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	LTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGETIRSRETMEYAMTFAETGHL	CMATLHANNANQ	233
NTDB id 1203 PSJM300 01605 AFN76401.1	ISIEDPIEFITHQHQCIVTQREVGLDTSFEVALKNTLRQAPDVILIGEVRTRETMHDHVAFAETGHL	CLATLHANNANQ	235
NTDB id 1019 ACIAD RS04205 WP 004922051.1	ITIEDPIEFIEHAGCIITQREVGLDTSFEIALKNTLRQAPDVILIGETIRSREVMYALAF	ETGHLVFAATLHANNANQ	236
NTDB id 107567 A8L40 RS04755 WP 001055622.1	LTLEDPVEYLYASQRCLIQREITGLHCMTFASGLRAALREDPDVILLGELRDS	ETIRLALTAETGHLVLATLHTRGAAQ	232
NTDB id 1448 BW25113 RS15320 WP 001326494.1	LTLEDPVEYLYASQRCLIQREITGLHCMTFASGLRAALREDPDVILLGELRDS	ETIRLALTAETGHLVLATLHTRGAAQ	232
NTDB id 1307 DR RS10055 WP 010888596.1	LTIEDPIEFMHPNKASIIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVM	GTGLHTNSAPE	239
NTDB id 1086 NMV RS00245 WP 002218487.1	LTIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDPDVILVGEMRDPETIGLALTAETGHLV	FGTLHTTGAAK	235
NTDB id 1116 NGFG RS10615 WP 003690200.1	LTIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDPDVILVGEMRDPETIGLALTAETGHLV	FGTLHTTGAAK	235
NTDB id 1185 GTF74 RS11940 WP 000350195.1	LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAETGHLV	FGTLHTSSAAK	235
NTDB id 1176 A1552VC RS01160 WP 000350195.1	LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAETGHLV	FGTLHTSSAAK	235
NTDB id 1283 ACE17W RS02630 WP 010947729.1	LTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAAALRSALREDPDIIILVGELRDLETIRLAMTAAETGHLV	FGTLHTNSATK	235
NTDB id 1259 GC085 RS10305 WP 010947729.1	LTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAAALRSALREDPDIIILVGELRDLETIRLAMTAAETGHLV	FGTLHTNSATK	235
NTDB id 1202 PSJM300 01600 AFN76400.1	LTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIIILVGEMRDLLETIRLALTAETGHLV	FGTLHTTSAAK	235
NTDB id 1194 PA0395 NP 249086.1	LTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIIILVGEMRDLLETIRLALTAETGHLV	FGTLHTTSAAK	235
NTDB id 1020 ACIAD RS04210 WP 011182164.1	LTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIIILVGEMRDLLETIRLALTAETGHLV	FGTLHTTSAAK	235
NTDB id 1060 ABD1 RS04380 WP 000355489.1	LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIIILVGEMRDLLETIRLALTAETGHLV	FGTLHTTSAAK	235
NTDB id 1040 HON27 RS13360 WP 000355489.1	LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIIILVGEMRDLLETIRLALTAETGHLV	FGTLHTTSAAK	235
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIIILVGEMRDLLETIRLALTAETGHLV	FGTLHTTSAAK	235
consensus	***!!!!* *		

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	ALERILHLVPKEQREQFLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLNSPRIADLIRRGELHELKATMARSQEVGMQ	313
NTDB id 1203 PSJM300 01605 AFN76401.1	ALDRIIINFFPADRQNVWMDLSLNLKAIVAQQLVPTPDGKGRRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQ	315
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEITYKIKELMARS	316
NTDB id 107567 A8L40 RS04755 WP 001055622.1	AVERLVDSFPAQEKDPVRNQLAGSLRAVLSQKLEVD.KQEGRVALFELLINTPAVGNLIREGKTHQLPHVIQ	311
NTDB id 1448 BW25113 RS15320 WP 001326494.1	AVERLVDSFPAQEKDPVRNQLAGSLRAVLSQKLEVD.KQEGRVALFELLINTPAVGNLIREGKTHQLPHVI	311
NTDB id 1307 DR RS10055 WP 010888596.1	SIDRIVDVFPPEEQEQIRVQLANNLVAVMTQQLLP	319
NTDB id 1086 NMV RS00245 WP 002218487.1	TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLKTHDGN	315
NTDB id 1116 NGFG RS10615 WP 003690200.1	TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLKTHDGN	315
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TIDRIIDVFP	314
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TIDRIIDVFP	314
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TINRIIDVFP	314
NTDB id 1259 GC085 RS10305 WP 010947729.1	TINRIIDVFP	314
NTDB id 1202 PSJM300 01600 AFN76400.1	TIDRVV	314
NTDB id 1194 PA0395 NP 249086.1	TIDRVV	314
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TIDRIIDVFP	314
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TIDRV	314
NTDB id 1040 HON27 RS13360 WP 000355489.1	TIDRV	314
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TIDRV	314
consensus	***!*****	!!!!

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSandLRLMLKTK.RGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLG.SETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHSYADALKHADSPNNLRLQIKLS.EEANKPLDNRRERMSEMER.....KMTFDGQRRNLK....	383
NTDB id 107567 A8L40 RS04755 WP 001055622.1	TFQQSYQQRVGEGR.....	326
NTDB id 1448 BW25113 RS15320 WP 001326494.1	TFQQSYQHRVGEGR.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLIAPEAARRRAQNSESMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLIAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PA0395 NP 249086.1	TLDMCLKGLVAKGLISRENAREKAKIP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLLAKGIINLPTARAVAKSP.ESF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * ** ***** * *	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAGRSEPGRAGGFGR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 107567 A8L40 RS04755 WP 001055622.1	.....	326
NTDB id 1448 BW25113 RS15320 WP 001326494.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAGRSEPGRAGGFGR	418
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1194 PA0395 NP 249086.1	.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	345
consensus		

- [X] non conserved
- [X] similar
- [X] ≥ 50% conserved