

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	MEINQYLDGMLITHKASDLYITVGAPILYRVDGELRAQGEAL.SVADVTALLHAMMDARQAEEFKQTREANFAVVRD	75
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTTPMSPEMTRETVHGVMMNEQQRREFTENHECNFAISAR	76
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIEIETHECNFAILNR	76
NTDB id 377034 FRX36 RS01625 WP 002916609.1	MKLEEIVALSVKHNVSDHLHCNSAAPRWRRQGRLQPAPFP...APDTIANLLNDWLDAAQLLHWQEHGQIDFALTLLA	73
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDITILAAAGLPPQFKLSG DYDAQGFEP LSASDTRKLMYSMMNERQQRIFEEREKRELD FSFALG	80
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMMRINLP EMSAE EVGNMVTSMVNDHQKRIYQQNLEVD FSFELP	76
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMMRINLP EMSAE EVGNMVTSMVNDHQKRIYQQNLEVD FSFELP	76
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHL SAGVPPMVRIDGEVRKLGVP AFTHSDVHRLIFEIMNDAQRSEYEEKLEVD FSFELP	76
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHL SAGVPPMVRIDGEVRKLGVP AFTHSDVHRLIFEIMNDAQRSEYEEKLEVD FSFELP	76
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAGMPPMIRVDGDLRKINLP PLEHKDVIKI IYD IMNDRQRKEYEEFFETD FSFEIA	76
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAGMPPMIRVDGDLRKINLP PLEHKDVIKI IYD IMNDRQRKEYEEFFETD FSFEIA	76
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYD IMNDKQRKDFEEFLET D FSFEVP	76
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGASDLHL SAGLPPMIRVDGDVRRINLP PLEHKQVHALIYD IMNDKQRKDFEEFLET D FSFEVP	76
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHL SAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYD IMNDKQRDDYEEKLET D FSFEVP	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHL SAGMPPMIRVDGEVRRINLPAL EHKDVHRLVYD IMNDKQRDDYEEKLET D FSFEVP	76
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHL SAGMPPMIRVDGEVRRINLPAL EHKDVHRLVYD IMNDKQRDDYEEKLET D FSFEVP	76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHL SAGMPPMIRVDGEVRRINLPAL EHKDVHRLVYD IMNDKQRDDYEEKLET D FSFEVP	76
consensus	*** ***** *!*****!***** * * ** ********** * *!*****	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	NVARFRVNAFNRGAGAVERTIPSYLTLEDLGLPIFKKLAIRGLVLVTGPTGSGKSTTLAAMDYINHYRHHI	153
NTDB id 1203 PSJM300 01605 AFN76401.1	G.IGRFRVSAFYQRNLAGMVLRRRIETNIPTIEDLKLDPVLKKLALTKRGLVLVFGATGTGKSTSLAAMIGYRNKNSSGHI	155
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKGHI	156
NTDB id 377034 FRX36 RS01625 WP 002916609.1	C.GARLRASAFHAHTRGISLVLRL LPEQCPRLDTLGAPPALSELLAEESGLLLVTGATGSGKSTTLAAMVGHINQHLDGHI	152
NTDB id 1307 DR RS10055 WP 010888596.1	D.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMDHINTTKLHI	159
NTDB id 1086 NMV RS00245 WP 002218487.1	N.VARFRVNAFNIGRGA AAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI	155
NTDB id 1116 NGFG RS10615 WP 003690200.1	N.VARFRVNAFNTGRGA AAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI	155
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N.VGRFRVNAFHQAARGCSAVFRTIPTV IPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKHI	155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N.VGRFRVNAFHQAARGCSAVFRTIPTV IPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKHI	155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N.LARFRVNAFNQSRGA AAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI	155
NTDB id 1259 GC085 RS10305 WP 010947729.1	N.LARFRVNAFNQSRGA AAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI	155
NTDB id 1202 PSJM300 01600 AFN76400.1	G.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVP RGLVLVTGPTGSGKSTTLAAMDYLNNTKYHHI	155
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVP RGLVLVTGPTGSGKSTTLAAMDYLNNTKYHHI	155
NTDB id 1020 ACIAD RS04210 WP 01182164.1	N.LARFRVNVFNQNRGAGAVFRTIPSKVLTLEELGLGKIFR DICDYPRGLVLVTGPTGSGKSTTLAAMDYINNHRDYHI	155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFK DICDYPRGIVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
NTDB id 1040 HON27 RS13360 WP 000355489.1	N.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFK DICDYPRGIVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFK DICDYPRGIVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
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 377034 FRX36 RS01625 WP 002916609.1
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 GCO85 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 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 377034 FRX36 RS01625 WP 002916609.1
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 ACE17S RS02630 WP 010947729.1
NTDB id 1259 GCO8W 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 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	TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKR.GDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSE.TDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSE.EANKPLDNRRERMSEMER.....KMTFDGQRRNLK....	383
NTDB id 377034 FRX36 RS01625 WP 002916609.1	TFTQSFQQCVAAGAL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGGLIAPEVARRRAQNSESMSEF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGGLIAPEAARRRAQNSESMSEF.....	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	TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLLVARGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * ** ***** * *	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPCGRAGGFGRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 377034 FRX36 RS01625 WP 002916609.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPCGRAGGFGRR	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 PAKAF RS01995 WP 003084552.1	.....	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		

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved