

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	MEINQYLDGMLITHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTALLHAMDDARQA	EFKQ	TREANF	AVVRD	75
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPE	TRET	VHGV	76
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSL	KINGEITPVSKTK	LDGDMIAQLIDSITTQ	KQRQ	76
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDII	LAAGLPPQFKLSGDYDAQGF	ELPSAS	DRKLMYSMMNER	QQRIF	80
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKAASDLHLS	SGISPMIRVHGD	MRRINLP	EMSAE	EVGNM	76
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKAASDLHLS	SGISPMIRVHGD	MRRINLP	EMSAE	EVGNM	76
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLS	SAGVPPMVRIDG	EV	RKLGV	PAFTHS	76
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLS	SAGVPPMVRIDG	EV	RKLGV	PAFTHS	76
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFAFSVKNKSSDLHIS	SAGMPPMIRVDG	DLRKINL	PPLEHK	DVIKII	76
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFAFSVKNKSSDLHIS	SAGMPPMIRVDG	DLRKINL	PPLEHK	DVIKII	76
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGASDLHLS	SGLPPMIRVDG	DVRRINL	PAMDHK	QVHALI	76
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGASDLHLS	SAGLPPMIRVDG	DVRRINL	PPLEHK	QVHALI	76
NTDB id 1020 ACIAD RS04210 WP 011182164.1	MDITELLAFSVQNRASDLHLS	SAGIPPMIRVDG	EVRRINL	PAMDHSE	VHNLI	76
NTDB id 314725 BEN74 RS14725 WP 068910640.1	MDITELLAFSAKNGASDLHLS	SAGMPPMIRVDG	EVRRINL	PALEHK	EVHKL	76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLS	SAGMPPMIRVDG	EVRRINL	PALEHK	DVHRL	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHLS	SAGMPPMIRVDG	EVRRINL	PALEHK	DVHRL	76
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHLS	SAGMPPMIRVDG	EVRRINL	PALEHK	DVHRL	76
consensus	*****!*****	*!!*****!	*****!*****	*****	*****	

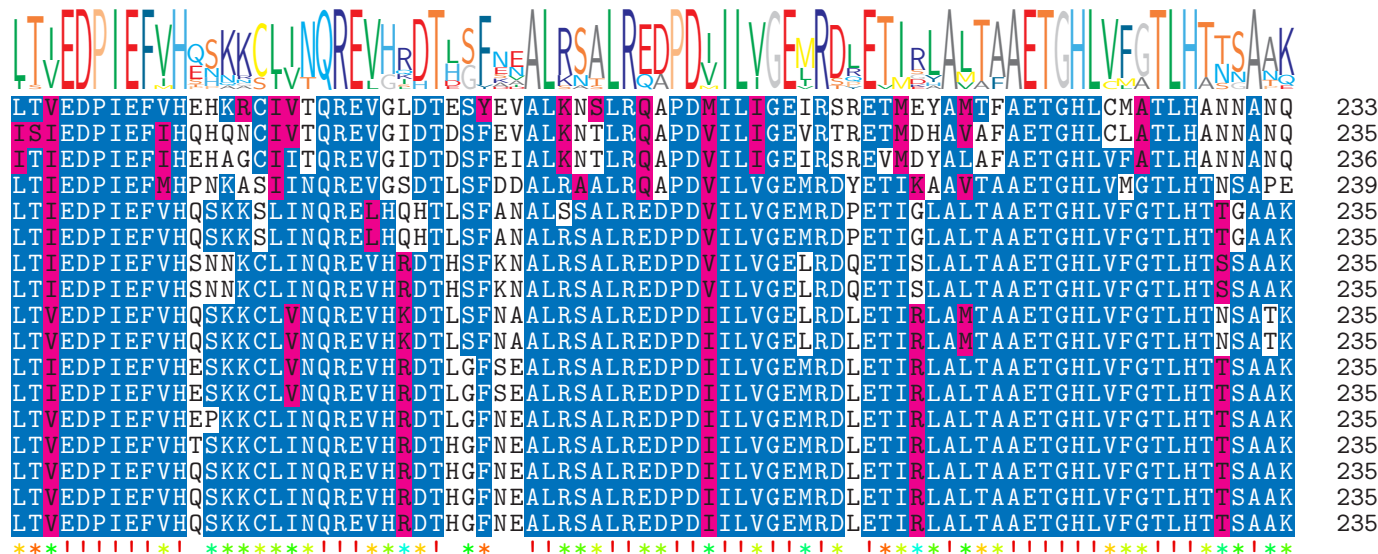
logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	NVARFRVNAF	NQNRGAGAVERT	PSVLT	LELGLP	IFKKIA	RGVLV	TGPTGSGKST	TLAAM	LYIN	TRYD	HI	153
NTDB id 1203 PSJM300 01605 AFN76401.1	GIGRFRVSAFYQRNL	LAGMVL	RR	RIETNIPT	IEDL	KLPD	VLK	KLAL	TKRGL	VL	FVGATGTGKST	155
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFQQR	DMPGM	VIRRIETKIP	SPDDL	HLP	PIL	KELAM	SKRGII	IFSGAT	GTGKST	SLASMI	156
NTDB id 1307 DR RS10055 WP 010888596.1	D.KARFRVNAFMQR	GNVGGVMRL	IP	TTVRT	IAEM	GLPQT	VIDIAN	APRGL	VL	VTGPTGSGKST	TLASMI	159
NTDB id 1116 NGFG RS10615 WP 003690200.1	NVARFRVNAFNT	TGRGPA	AAVFRT	IPST	VL	SLEEL	KAP	SIFQK	IAES	PRGM	VL	155
NTDB id 1086 NMV RS00245 WP 002218487.1	NVARFRVNAFNIGR	GPA	AAVFRT	IPST	VL	SLEEL	KAP	SIFQK	IAES	PRGM	VL	155
NTDB id 1185 GTF74 RS11940 WP 000350195.1	NVARFRVNAFHQA	RGCS	AAVFRT	IPST	VL	SLEEL	KAP	SIFQK	IAES	PRGM	VL	155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	NVARFRVNAFHQA	RGCS	AAVFRT	IPST	VL	SLEEL	KAP	SIFQK	IAES	PRGM	VL	155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	NVARFRVNAFNQSR	GAA	AAVFRT	IPSE	IL	S	MEDL	GL	LP	IFK	EMAS	155
NTDB id 1259 GC085 RS10305 WP 010947729.1	NVARFRVNAFNQSR	GAA	AAVFRT	IPSE	IL	S	MEDL	GL	LP	IFK	EMAS	155
NTDB id 1202 PSJM300 01600 AFN76400.1	GVARFRVNAFNQNR	GAGAVFRT	IP	SKVL	T	MEDL	GM	GEVFR	KITD	VPRGL	VL	155
NTDB id 1194 PAKAF RS01995 WP 003084552.1	GVARFRVNAFNQNR	GAGAVFRT	IP	SKVL	T	MEDL	GM	GEVFR	KITD	VPRGL	VL	155
NTDB id 1020 ACIAD RS04210 WP 011182164.1	NVARFRVNVFNQNR	GAGAVFRT	IP	SKVL	T	LEEL	GL	GKIFR	DICD	YPRGL	VL	155
NTDB id 314725 BEN74 RS14725 WP 068910640.1	GVARFRVNAFNQNR	GAGAVFRT	IP	SKVL	T	MEDL	GM	GQIFK	D	ICEYPRG	IV	155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	NVARFRVNAFNQNR	GAGAVFRT	IP	SKVL	T	MEDL	GL	GQIFK	D	ICD	YPRG	155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	NVARFRVNAFNQNR	GAGAVFRT	IP	SKVL	T	MEDL	GL	GQIFK	D	ICD	YPRG	155
NTDB id 1040 HON27 RS13360 WP 000355489.1	NVARFRVNAFNQNR	GAGAVFRT	IP	SKVL	T	MEDL	GL	GQIFK	D	ICD	YPRG	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 1307 DR RS10055 WP 010888596.1
NTDB id 1116 NGFR RS10615 WP 003690200.1
NTDB id 1086 NMV RS00245 WP 002218487.1
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 314725 BEN74 RS14725 WP 068910640.1
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 1307 DR RS10055 WP 010888596.1
NTDB id 1116 NGFR RS10615 WP 003690200.1
NTDB id 1086 NMV RS00245 WP 002218487.1
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 314725 BEN74 RS14725 WP 068910640.1
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

```



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	TFDQALFDLYDHQHSYADALKHADSPNNLRQLIKLS.EEANKPLDNRRERMSEMER.....KMTFDGQRRNLK....	383
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKFARLANDASAGLGG.....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLIAPEAARRRAQNSESMSF.....	347
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLIAPEVARRRAQNSESMSF.....	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 PAKAF RS01995 WP 003084552.1	TLDMCLKGLVAKGLISRAREKAKIP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLIAKGIINLPTARAVAKSP.ESF.....	344
NTDB id 314725 BEN74 RS14725 WP 068910640.1	TLDQSLKTLVSKGIISPQAARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * !* ***** * *	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPCGRACCGRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPGRAGGFGRR	418
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	347
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	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 314725 BEN74 RS14725 WP 068910640.1	.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
consensus		

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