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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 167170 AL472 RS05455 WP 003080265.1
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

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Sequence	Position 12
MEINCYLDGMTHKASDLYITVGCAPILYRVDGELRAQGEALSVADVTALEHAMMODARQAETKQTR EANFAVVRD	73
MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPTMSPEMTRETIVHGVMNEQQRREFTENHECNFAISAR	76
MDFNDDLNLMAKHKASDLFITAGVEPSLKINGEITTPVSKTKLDGDMIAQLIDSITTTQKQRQEFIEETHECNFAILNR	76
MTSGIDITDILRLAADKGASDIILAAGLPPIKSGDYDAQGFEPLASDTRKLMYSMMNERQQRIFEKRELDFSFALG	80
MTIDELLALTIVARGASDLHLSSAGLPPMIRVINGDVVRQDVAAALTPDAIRAMIHQLMCPAQREEVEYTRQELDFSDIVE	76
MQITDLLAFGAKNKAASDLHLSSGISPMIRVHGDMMRRINLPPEMSAEVGNMVTSMNDHQRKXIYQQNLEVDFSFELP	76
MQITDLLAFGAKNKAASDLHLSSGISPMIRVHGDMMRRINLPPEMSAEVGNMVTSMNDHQRKXIYQQNLEVDFSFELP	76
MDIAELLEFSVKHNASDLHLSSAGVPPMVRIDGVRKLGVPFTHSDVHRLIFEIMNDAQRSEYEELKLEVDFSFELP	76
MDIAELLEFSVKHNASDLHLSSAGVPPMVRIDGVRKLGVPFTHSDVHRLIFEIMNDAQRSEYEELKLEVDFSFELP	76
MDIAELLEFAFSVKNKSSDLHISAGMPPMIRVDGLRKINLPPLEHKDVIKIYYIMNDRQRKEYEEFFETDFSFEIA	76
MDIAELLAFAFSVKNKSSDLHISAGMPPMIRVDGLRKINLPPLEHKDVIKIYYIMNDRQRKEYEEFFETDFSFEIA	76
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MDITELLAFSAKQGASDLHLSSAGLPPMIRVDGDVRRINLPPELEHKQVHALIYDIMNDKQRKDFEETFLETDFSFEVP	76
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MDITELLAFSVKNGASDLHLSSAGMPPMIRVDGEVRRINLPALAHKDVHRLVYDIMNDKQRRDYEELKLETDFSFEVP	76
MDITELLAFSVKNGASDLHLSSAGMPPMIRVDGEVRRINLPALAHKDVHRLVYDIMNDKQRRDYEELKLETDFSFEVP	76



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NTDB id 1177 A1552VC RS01165 WP 000422572.1
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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
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	LTVEDPIEFVHEH	KRCIVTQREVGLDTES	YEVALKNSLRQAPDMILIGEIRSR	ETMEYAMTFAETGHL	CMATLHANNANQ	233
NTDB id 1203 PSJM300 01605 AFN76401.1	ISIEDPIEFTHQHQC	IVTQREVGIDTDSFE	VALKNTLRQAPDVILIGEVRT	ETMDHAVAFAETGHL	CLATLHANNANQ	235
NTDB id 1019 ACIAD RS04205 WP 004922051.1	ITIEDPIEFIEHAGC	IITQREVGIDTDSFE	IALKNTLRQAPDVILIGEIR	SREVMYALAF	ETGHLVFA	236
NTDB id 1307 DR RS10055 WP 010888596.1	LTIEDPIEFMHPN	KASIIINQREVGS	DTLSFDDALRAALRQAPDV	ILVGMERDYE	TIKAAVTAAETGHLV	239
NTDB id 167170 AL472 RS05455 WP 003808265.1	LTIEDPIEFVHPS	RRSLVNQREVGR	DTHSFSAALRSALREDPD	IIILVGLERDLE	TMRLAMTAAETGHLV	235
NTDB id 1086 NMV RS00245 WP 002218487.1	LTIEDPIEFVHQ	SKKSLINQREL	LHQHTLSFANALRSALREDPD	VILVGMERDPET	IGLALTAETGHLV	235
NTDB id 1116 NGFG RS10615 WP 003690200.1	LTIEDPIEFVHQ	SKKSLINQREL	LHQHTLSFANALSSALREDPD	VILVGMERDPET	IGLALTAETGHLV	235
NTDB id 1185 GTF74 RS11940 WP 000350195.1	LTIEDPIEFVHS	NNKCLINQREVHR	DTHSFKNALRSALREDPD	VILVGLERDQET	ISLALTAETGHLV	235
NTDB id 1176 A1552VC RS01160 WP 000350195.1	LTIEDPIEFVHS	NNKCLINQREVHR	DTHSFKNALRSALREDPD	VILVGLERDQET	ISLALTAETGHLV	235
NTDB id 1283 ACE17W RS02630 WP 010947729.1	LTVEDPIEFVHQ	SKKCLVNQREVHK	DTLSFNAALRSALREDPD	IIILVGLERDLE	ETIRLAMTAAETGHLV	235
NTDB id 1259 GC085 RS10305 WP 010947729.1	LTVEDPIEFVHQ	SKKCLVNQREVHK	DTLSFNAALRSALREDPD	IIILVGLERDLE	ETIRLAMTAAETGHLV	235
NTDB id 1202 PSJM300 01600 AFN76400.1	LTIEDPIEFVHE	SKKCLVNQREVHR	DTLGFSEALRSALREDPD	IIILVGMERDLE	ETIRLALTAETGHLV	235
NTDB id 1194 PAKAF RS01995 WP 003084552.1	LTIEDPIEFVHE	SKKCLVNQREVHR	DTLGFSEALRSALREDPD	IIILVGMERDLE	ETIRLALTAETGHLV	235
NTDB id 1020 ACIAD RS04210 WP 01182164.1	LTVEDPIEFVHEP	KKCLINQREVHR	DTLGFNEALRSALREDPD	IIILVGMERDLE	ETIRLALTAETGHLV	235
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LTVEDPIEFVHQ	SKKCLINQREVHR	DTHG	FNEALRSALREDPD	IIILVGMERDLE	235
NTDB id 1060 ABD1 RS04380 WP 000355489.1	LTVEDPIEFVHQ	SKKCLINQREVHR	DTHG	FNEALRSALREDPD	IIILVGMERDLE	235
NTDB id 1040 HON27 RS13360 WP 000355489.1	LTVEDPIEFVHQ	SKKCLINQREVHR	DTHG	FNEALRSALREDPD	IIILVGMERDLE	235
consensus	***!!!!!!	*****!!!!!!	***	!!!!!!	*****!!!!!!	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TIDRIIDVFP	AEEKMVR	SMSES	QAVISQ	LLK	GGGRVAA	HEIM	LATPAIRN	IREK	YAQMYS	IQTGA	GMQ	313
NTDB id 1203 PSJM300 01605 AFN76401.1	ALERTIH	LVPKEREQ	FLDL	SLNLKGVIA	QQLLR	DKNGKGRHG	VFEVL	INSPRIAD	LIRRGEL	HELKAT	MARSQEV	GMQ	315
NTDB id 1019 ACIAD RS04205 WP 004922051.1	ALDRIIN	FFPADRQ	NQVWMD	LSLNLK	AI	VAAQQLV	PTPDGK	GRR	AVIEVL	INTPL	AA	DLIRKGEV	316
NTDB id 1307 DR RS10055 WP 010888596.1	TLERII	HFFDADR	HQQIF	MDLS	LSLNLK	AVISQ	QLIPT	HDGQ	SRRA	AVEVL	INTPL	LLSDYIR	319
NTDB id 167170 AL472 RS05455 WP 003808265.1	SIDRI	VDVFPEEQ	EQE	QIRV	QLANN	LVAVMT	QQLLP	RADG	QGRV	LAYE	ILLAN	PAVRALIRE	314
NTDB id 1086 NMV RS00245 WP 002218487.1	TVDRI	IDVFPAGE	KSMIR	SMLSE	SLRA	VIAQV	LLKQ	EGGGR	CA	AWEIM	VGTPAIRN	LIREDK	315
NTDB id 1116 NGFG RS10615 WP 003690200.1	TVDRI	VDVFPAGE	KE	MVR	SMLSE	SLTAVIS	QNLLK	THDGN	GRVAS	HEILIAN	PAVRNLIREN	KITQINSV	315
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TIDRI	IDVFP	PGSD	KDMVR	SMLSE	SLRA	VIAQK	LLK	R	VGGGR	VACHEIM	LATPAIRN	314
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TIDRI	IDVFP	PGSD	KDMVR	SMLSE	SLRA	VIAQK	LLK	R	VGGGR	VACHEIM	LATPAIRN	314
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TINRI	IDVFP	AEEKS	MVR	SMLSE	SLQAV	VAAQS	LLK	K	NGGGR	VAALEIM	MCTGAIRN	314
NTDB id 1259 GC085 RS10305 WP 010947729.1	TINRI	IDVFP	AEEKS	MVR	SMLSE	SLQAV	VAAQS	LLK	K	NGGGR	VAALEIM	MCTGAIRN	314
NTDB id 1202 PSJM300 01600 AFN76400.1	TIDR	VVDVFP	AEEKS	MVR	SMLSE	SLQAVIS	QTLLK	K	R	VGGGR	VAAHEIM	IGTPAIRN	314
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TIDR	VVDVFP	AEEKS	MVR	SMLSE	SLQAVIS	QTLLK	K	R	VGGGR	VAAHEIM	IGTPAIRN	314
NTDB id 1020 ACIAD RS04210 WP 01182164.1	TIDR	VVDVFP	AEEKS	MVR	SMLSE	SLQAVIS	QTLLK	K	R	VGGGR	VAAHEIM	IGTPAIRN	314
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TIDR	VVDVFP	AEEKS	MVR	SMLSE	SLQAVIS	QTLLK	K	R	VGGGR	VAAHEIM	IGTPAIRN	314
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TIDR	VVDVFP	AEEKS	MVR	SMLSE	SLQAVIS	QTLLK	K	R	VGGGR	VAAHEIM	IGTPAIRN	314
NTDB id 1040 HON27 RS13360 WP 000355489.1	TIDR	VVDVFP	AEEKS	MVR	SMLSE	SLQAVIS	QTLLK	K	R	VGGGR	VAAHEIM	IGTPAIRN	314
consensus	***!*****	*****!!!!!!	***	!!!!!!	*****	!!!!!!	***	!!!!!!	*****	*****!!!!!!	*****	*****	!!!!!!

