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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MTFAETGHL	CMATLHANNANQAL	ERILHLVPKEQ	REQLFLDLSLNLKGVIA	QQLLRDKNGKGRHG	GVFEVLINS	SPR	287
NTDB id 48100 NMBM01240355 RS04220 WP 041423355.1	IAFAETGHL	CMATLHANSTNQAL	DRIINFFPEERRE	QLLTDLNLQAFIS	QRLVPRDGGKGRVAA	VEVLLNSPL		299
NTDB id 1203 PSJM300 01605 AFN76401.1	VAF	AETGHLCLATLHANNANQAL	DRIINFFPADRQ	NQVWMDLSLNLKA	IVAQQLVPTPDGK	RRAVIEVLINTPL		289
NTDB id 1019 ACIAD RS04205 WP 004922051.1	LAFAETGHL	VFATLHANNANQTL	ERIIHFFDADR	HQQIFMDLSLNLK	AVISQQLIPTHDG	QSRRAAVEVLINTPL		290
NTDB id 1307 DR RS10055 WP 010888596.1	VTAAETGHL	VMGTLHTNSAPES	IDRIVDVFP	EEQEQEIRVQL	ANNLVAVMTQ	QLLPADGQGRV	LAYEILLANPA	293
NTDB id 1086 NMV RS00245 WP 002218487.1	LTAAETGHL	VFGTLHTTGAAKT	VDRIVDVFPAGEKE	EMVRSMLSESLT	AVISQNLKTHD	GNCRVASHEILIANPA		289
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MTAAETGHL	VFGTLHTNSATK	TINRIIDVFP	AEEKSMVRSMLSESL	QAVVAQSLLKK	.NKGGRVAAL	EIMMCTGA	288
NTDB id 1259 GC085 RS10305 WP 010947729.1	MTAAETGHL	VFGTLHTNSATK	TINRIIDVFP	AEEKSMVRSMLSESL	QAVVAQSLLKK	.NKGGRVAAL	EIMMCTGA	288
NTDB id 1194 PAKAF RS01995 WP 003084552.1	LTAAETGHL	VFGTLHTTSA	AKTIDRVVDVFP	AEEKAMVRSMLSESL	QSVISQTLKK	.IGGGRVAA	HEIMIGTPA	288
NTDB id 1202 PSJM300 01600 AFN76400.1	LTAAETGHL	VFGTLHTTSA	AKTIDRVVDVFP	AEEKSMVRSMLSESL	QAVISQTLLKK	.VGGGRVAA	HEIMIGTPA	288
NTDB id 1020 ACIAD RS04210 WP 011182164.1	LTAAETGHL	VFGTLHTTSA	AKTIDRIIDVFP	AEEKDMVRTMLSESL	QAVISQTLLKK	.EGGGRVAA	HEIMIGTPA	288
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LTAAETGHL	VFGTLHTTSA	AKTIDRVIDVFP	AEEKDMVRAMLSESL	QAVISQTLLKK	.NGGGRVAA	HEIMIGIPA	288
NTDB id 1060 ABD1 RS04380 WP 000355489.1	LTAAETGHL	VFGTLHTTSA	AKTIDRVIDVFP	AEEKDMVRAMLSESL	QAVISQTLLKK	.NGGGRVAA	HEIMIGIPA	288
NTDB id 1040 HON27 RS13360 WP 000355489.1	LTAAETGHL	VFGTLHTTSA	AKTIDRVIDVFP	AEEKDMVRAMLSESL	QAVISQTLLKK	.NGGGRVAA	HEIMIGIPA	288
consensus	*****	!!!!!!	*****	!!*	*****	*****	!!*****	*****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	IADLIR	RGELHELKAT	MARSQEVGMQTFDQALYQLVDDDKITSEQDALHS	ADSANDLR	LMMLKTKRGDDYGS		357			
NTDB id 48100 NMBM01240355 RS04220 WP 041423355.1	ISELIH	NGNIHEI	KEVMKKSTTLGMQTFDQHLYQLYEKGD	ISLQEALKNADS	AHDLRLAVQLRSRAQSSS	....	370			
NTDB id 1203 PSJM300 01605 AFN76401.1	AADLIR	KGEVHELKGL	MKRSTDLGMQTFDQALYNLYVQGEITYED	ALLHADSSNDLR	LMIKLGS	ETDGEHL	....	360		
NTDB id 1019 ACIAD RS04205 WP 004922051.1	LSDYIR	QGEIYKIKEL	MARS	GELGMQTFDQALFDLYDHQHISYAD	ALKHADSPNNLR	LQIKLSE	EANKPLD	....	361	
NTDB id 1307 DR RS10055 WP 010888596.1	VRALIRE	GKTFQITSVM	QTGAREGMVTMDAYLAGLFRHRLITYDK	GLERAIDPKEF	ARLANDASAGL	GGAS	MTPA		368	
NTDB id 1086 NMV RS00245 WP 002218487.1	VRNLIRE	NKITQINS	VLQTGQASGMQTM	DQSLQSLVRQGLIAPEVAR	ARRRAQNS	SEMSF			347	
NTDB id 1283 ACE17W RS02630 WP 010947729.1	IRNLIRE	DKIAQMYSS	IQTGQAKGMQTL	DQHLTELVNKNII	ISKHTAHEAALN	KS	SLF		344	
NTDB id 1259 GC085 RS10305 WP 010947729.1	IRNLIRE	DKIAQMYSS	IQTGQAKGMQTL	DQHLTELVNKNII	ISKHTAHEAALN	KS	SLF		344	
NTDB id 1194 PAKAF RS01995 WP 003084552.1	IRNLIRE	DKIAQMYSAI	IQTGGS	SLGMQTLDMCLKGLVAKGLIS	RENA	AREKA	KIPENF		344	
NTDB id 1202 PSJM300 01600 AFN76400.1	IRNLIRE	DKVAQMYSS	IQTGGS	SLGMQTLDSCLKGLLAKGLIS	RDSAKEKA	KQ	PENF		344	
NTDB id 1020 ACIAD RS04210 WP 011182164.1	IRNLIRE	GKVAQMYSS	IQTGATHGMTTLD	QSLKQLLAKGIINLPT	ARAVAKS	PESF			344	
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	IRNLIRE	NKVAQMYSAI	QTGANHGMTTLD	QSLKGLVSRGVISPQT	ARTAAKQ	PESFL			345	
NTDB id 1060 ABD1 RS04380 WP 000355489.1	IRNLIRE	NKVAQMYSAI	QTGANHGMTTLD	QSLKGLVARGVISPQT	ARTAAKQ	PESFL			345	
NTDB id 1040 HON27 RS13360 WP 000355489.1	IRNLIRE	NKVAQMYSAI	QTGANHGMTTLD	QSLKGLVARGVISPQT	ARTAAKQ	PESFL			345	
consensus	*****	!!*	*****	*****	!!!!!!	!!*	!!*	!!*	!!*	!!*

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	...GSLQNVKIDME.....	368
NTDB id 48100 NMBM01240355 RS04220 WP 041423355.1	.PDLELI.....	376
NTDB id 1203 PSJM300 01605 AFN76401.1	.TSVS.QGLTLEMSDDDPGRSFR.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.NRERMSEMERKMTFDGQRRNLK.....	383
NTDB id 1307 DR RS10055 WP 010888596.1	APPVPAYNS.ASSSSTGRGGDFGRGAAAPATPAAPAAGRSEPGRAGGFGRR	418
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	347
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	344
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
 $\geq 50\%$ conserved