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	TIDRIIDVFPAAEEKMVRMLSESLSQVAVISQQLLKKNGGGRVAAAEIMLGTPAIRNLRKPKYMQMYSIQTGAAHGMQ	
NTDB id 26823 AHA RS13845 WP 011706550.1	ALDRIIINFFPEERRPQLLNLDLGNLNLKAFVSRQLVKTSDG.GRRAAVEIIMLGTHTIRDMIKRGEFGGLKEVMEKSKALGMV	314
NTDB id 1177 A1552VC RS01165 WP 000422572.1	ALERILHLVLPKEQRQFLDLSLNLKGVIAQQLLRDKNKGGRHGVEVLNLSPRIADLIRRGELHELKATMARSQEVGMQ	313
NTDB id 1203 PSJM300 01605 AFN76401.1	ALDRIIINFFPADRQNVVMDLSLNLKAIVAQQVLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQ	315
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TLERIIHFADRHQQIFMDLSLNLKAVISQQLIPTHDGGSRRAAVEVLINTPLLSDIYIRQGETYKIKELMARSQELGMQ	316
NTDB id 1307 DR RS10055 WP 010888596.1	SIDRIVDVFPPEEQEQIRVQLANLVAVMTQQLLRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMTGAREGMV	319
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TIDRIIDVFPDSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGMQ	314
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TIDRIIDVFPDSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGMQ	314
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TINRIIDVFPAAEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSIIQTGQAKGMQ	314
NTDB id 1259 GC085 RS10305 WP 010947729.1	TINRIIDVFPAAEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSIIQTGQAKGMQ	314
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TIDRVIDVFPAAEKDMVRAMLSESLQAVISQTLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSIIQTGANHGMT	314
NTDB id 1040 HON27 RS13360 WP 000355489.1	TIDRVIDVFPAAEKDMVRAMLSESLQAVISQTLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSIIQTGANHGMT	314
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TIDRVIDVFPAAEKDMVRAMLSESLQAVISQTLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSIIQTGANHGMT	314
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TIDRVVDVFPAAEKAMVRSMLSESLQSVISQTLTKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSIIQTGSLGMQ	314
NTDB id 1202 PSJM300 01600 AFN76400.1	TIDRVVDVFPAAEKAMVRSMLSESLQAVISQTLTKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSIIQTGSLGMQ	314
consensus	***!***** ** *!***! ****! !*** **!* **!***** **! ** ***** **! **	

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	TLDQSLKGLVARGVISPQARTAAKQPESFL	
NTDB id 26823 AHA RS13845 WP 011706550.1	TFDSALFDLVVEGVIDEEEAVKNAADSANNL.RLKIKLWKEKQGIASS.SD..ATGW.SLEPTKDEKDDLFD.....	379
NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSANDL.RLMLKTKRGDDY...GSGS..LQNV.KIDME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDL.RLMIKLGSSETDGEHLTSVS...QGL.TLEMSDDDPGRSFR.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHSYADALKHADSPNNL.RLQIKLSEANKEPLDNRER..MSEM.ERKMTFDGQRRNLK.....	383
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSSSSSTGRGGDFGRGAAAPATP	399
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDQAEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDQAEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNKSLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNKSLF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQARTAAKQPESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQARTAAKQPESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQARTAAKQPESFL.....	345
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDMCLKGLVAKGLISRAREKAKIPENF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLIAGKLISRDSAKEKAKQPENF.....	344
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	..AAPAAGRSEPGRAGGFGRR	
NTDB id 26823 AHA RS13845 WP 011706550.1	379
NTDB id 1177 A1552VC RS01165 WP 000422572.1	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	AAPAAGRSEPGRAGGFGRR	418
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 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
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
consensus	.....

 non conserved
 similar
 $\geq 50\%$ conserved