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NTDB id 1313 DR RS12030 WP 010888966.1	.MSKD...ATKEISAPTDAKER	SKATETAM	SQIEKAFGKGSIMKLGAE	.SKLDVQV	STGSLSLDIALGVGGIPGRIT	74	
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK...KTNFDDITKKYGAERD	KALADALALIEKD	FGKGSIMRLGFA	.ANQKVSV	VSSGSLALDIALGAGGYPKGRIV	76	
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK...PKKLEEISKKFGAERE	BKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALDIALGSGGYPKGRII	75	
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK...PKKLEEISKKFGAERE	KALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALDIALGSGGYPKGRII	75	
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK...PKKLEEISKKFGAERE	KALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALDIALGSGGYPKGRII	75	
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NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK...PKKLEEISKKFGAERE	KALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALDIALGSGGYPKGRII	75	
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NTDB id 453 Spy49 1753c ACI62003.1	.MAKK...LKKNEEITKKFGDER	RKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVM	SSGSLALDIALGAGGYPKGRII	75	
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR...IKKTEEITKKFGDER	KKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVM	SSGSLALDIALGAGGYPKGRIV	75	
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQIEK	QFGKGSIMKLG	EK.TDTRISTVPS	GSLALDIALGI	GGYPRGRII	60
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKKIEK	NFGKGSIMRM	CEK.VDTQVSTV	SSGSLALDEALC	VGGYPRGRIV	62
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDNKRKSLDAALKSLDK	TFGKGTILRL	CDK.EVEQIDSIGT	GSVGLDIALGI	GGVPRGRII	61
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATSLATKQID	KVFGKGAIVRL	CDK.QVEKIDSI	STGSLGLDIALGI	GGVPRGRII	63
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATSLATKQID	KVFGKGAIVRL	CDK.QVEKIDSI	STGSLGLDIALGI	GGVPRGRII	63
NTDB id 1162108 U4992 RS11885 WP 058105109.1	.....MSSEKFAKLLKALKLTLDKMD	KTYGKGAVMKM	CDSVV.ADV	EVIPSGSLGLDIALC	VGGYPRGRVI	64
NTDB id 1334 RA0C RS04870 WP 004918236.1	.....MAKTETTSPNDKKKALAAVLE	KDITYGKGTVMKLC	GTVDHN	EVIPSGSLGLDIALC	VGGYPRGRIV	70
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSNNNTVVKQVEPEQK	KQALEAALAQIEKQ	FGKGSIMKLG	QTT.EQLDIES	VSTGSLGLDIALGI	GGVPRGRIV	78
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKS	FGKGAIMKMDGS	QQEENLEVI	STGSLGLDIALC	VGGVPRGRIV	62
NTDB id 1124 NGFG RS03960 WP 003688695.1MSDDKSKALAAALAQIEKS	FGKGAIMKMDGS	QQEENLEVI	STGSLGLDIALC	VGGVPRGRIV	62	
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NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....KKAASMSAEKQK	ALAAALAQIEKQ	FGKGSIMKMG	DA.EVEPVQV	VSTGSLGLDIALC	VGGVPRGRIV	70
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQIEKQ	FGKGSIMRLC	DN.RAMDVETI	STGSLSLDIALC	AGGLPMGRIV	61
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQIEKQ	FGKGSIMRLC	DN.RAMDVETI	STGSLSLDIALC	AGGLPMGRIV	61
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDENKSKALQAALSQIEKQ	FGKNTVMRLC	DN.TVQAVEAV	STGSLTLDIALGI	GGVPRGRIV	61
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALSQIEKQ	FGKNTVMRLC	DN.TVQAVEAV	STGSLTLDIALGI	GGVPRGRIV	61
NTDB id 1205 PSJM300 05545 AFN77183.1MDENKRFALAAALGQIEKQ	FGKGAVMRM	GHDH.DRQAIPSI	STGSLGLDIALGI	GGVPRGRIV	61	
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NTDB id 1313 DR RS12030 WP 010888966.1	R L D V R K I G Q P T K . . . V G N D A V A N T V K I K T V K N K V A A P P F K E V E L A I V Y G K G F D Q L S D I V G L A A D M D I I K K A G S F Y S Y G D E	309
NTDB id 600 KW2 RS01765 WP 011675413.1	R L D V R G S T K I E E G S . G D N K T Q I G K I T K I K V V K N K V A P P F K V A L V D I M F G E G I S S T G E L L N I A V E E G I I K K S G A W F A Y N D E	314
NTDB id 269 KZH43 RS08665 WP 001085462.1	R L D V R G N T Q I K G T G . D Q K E T N V G K E T K I K V V K N K V A P P F K E A V V E I M Y G E G I S K T G E L L K I A S D L D I I K K A G A W Y S Y K D E	313
NTDB id 228 SPD RS09265 WP 001085462.1	R L D V R G N T Q I K G T G . D Q K E T N V G K E T K I K V V K N K V A P P F K E A V V E I M Y G E G I S K T G E L L K I A S D L D I I K K A G A W Y S Y K D E	313
NTDB id 194 SPR RS08825 WP 001085462.1	R L D V R G N T Q I K G T G . D Q K E T N V G K E T K I K V V K N K V A P P F K E A V V E I M Y G E G I S K T G E L L K I A S D L D I I K K A G A W Y S Y K D E	313
NTDB id 159 SP RS09750 WP 001085462.1	R L D V R G N T Q I K G T G . D Q K E T N V G K E T K I K V V K N K V A P P F K E A V V E I M Y G E G I S K T G E L L K I A S D L D I I K K A G A W Y S Y K D E	313
NTDB id 499 SM12261 RS08315 WP 078228268.1	R L D V R G S T Q I K G T G . D Q K D T N V G K E T K I K V V K N K V A P P F K E A F V E I M Y G E G I S K T G E L L K I A S D L D I I K K A G A W Y S Y K D E	313
NTDB id 527 SMSK321 RS11065 WP 001085454.1	R L D V R G S T Q I K G T G . D Q K D T N V G K E T K I K V V K N K V A P P F K E A F V E I M Y G E G I S K T G E L L K I A S D L D I I K K A G A W Y S Y K D E	313
NTDB id 453 Spy49 1753c ACI62003.1	R L D V R G T T Q I K G T G . D Q K D S S T G K E T K I K V V K N K V A P P F K V A E V E I M Y G E G I S R T G E L V K I A S D L D I I Q K A G A W F S Y N G E	313
NTDB id 408 SMU RS09530 WP 002262392.1	R L D V R G N T Q I K G T G . E Q K D S N I G K E T K I K V V K N K V A P P F K E A F V E I T Y G E G I S R T G E L V K I A S D L G I I T Q K A G A W Y S Y N G E	313
NTDB id 115 BSU 16940 NP 389576.2	R L E V R R A E Q L K Q G N D V M G N K T K I K V V K N K V A P P F R T A E V D I M Y G E G I S K E G E I I D L G T E L D I V Q K S G S W Y S Y E E E	294
NTDB id 625 LCA RS02525 WP 011374196.1	R L E V R R A E T I K N G T D M I C N R A R I K V V K N K V A P P F K V A E V D I M Y G C G I S R T G E L V D M A V E K D I I N K S G S W Y S Y G S E	296
NTDB id 1245 Cj1673c YP 002345041.1	R L D V R K V A . . . T L K . Q N E E P I G N R V K V K V V K N K V A P P F R Q A E F D V M F G E C I S R E G E L I D Y G V K L D I V D K S G A W F S Y K D K	296
NTDB id 1211 C694 RS00795 WP 000963128.1	R I D I R R I A . . . S L K . Q N E Q H I G N R A K A K V V K N K V A P P F R E A E F D I M F G E G I S K E G E I I D Y G V K L D I V D K S G A W L S Y Q D K	298
NTDB id 1214 NCTC11637 00359 SQJ03206.1	R I D I R R I A . . . A L K . Q N E Q H I G N R A K A K V V K N K V A P P F R E A E F D I M F G E G I S K E G E I I D Y G V K L D I V D K S G A W L S Y Q D K	298
NTDB id 1162108 U4992 RS11885 WP 058105109.1	R L D I R R S T . . . Q I K D T D G N V Q G N K T R V K V V K N K V A P P F R T T E F D I M Y G E G I S K V G E V I D L G V E Y E I V K K S G S W F S Y G D T	299
NTDB id 1334 RA0C RS04870 WP 004918236.1	R I D I R R S L S D T G K I K D K S G E V I C N R T K V K V V K N K V A P P F K S A E F D I M Y G E C V S K V G E I L D V A T D L D I I Q K S G S W F S Y Q D T	309
NTDB id 1389 A4U84 RS07560 WP 021112712.1	R L D I R R C G . . . V V K . D G D E I I G S E T K V K V V K N K V A P P F R E V Q F D I M Y G E G I S R M N E L I L A E A N G F I K K S G A W F S Y D G T	312
NTDB id 1130 NGFG RS03960 WP 003688695.1	R L D I R R T G . . . S I K . K G E E V L G N E T R V K V I K N K V A P P F R Q A E F D I L Y G E G I S W E G E L I D I G V K N D I I N K S G A W Y S Y N G A	296
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NTDB id 1123 OK783 RS03845 WP 003688695.1	R L D I R R T G . . . S I K . K G E E V L G N E T R V K V I K N K V A P P F R Q A E F D I L Y G E G I S W E G E L I D I G V K N D I I N K S G A W Y S Y N G A	296
NTDB id 1427 RS RS02760 WP 011000510.1	R L D I R R I G . . . S I K . K G D E V V G N E T K V K V V K N K V A P P F R E A I F D I L Y G A C V S R E G E I I D L G V E A K V V E K S G A W Y S Y N G E	304
NTDB id 1165 A1552VC RS01565 WP 000344154.1	R L D I R R T G . . . A I K . E G E E V V G N E T R I K V V K N K I A A P P F K E A N T Q I M Y C G G F N R E G E L I D L G V K H K M V E K S G A W Y S Y N G D	295
NTDB id 1142 GTF74 RS11550 WP 000344154.1	R L D I R R T G . . . A I K . E G E E V V G N E T R I K V V K N K I A A P P F K E A N T Q I M Y C G G F N R E G E L I D L G V K H K M V E K S G A W Y S Y N G D	295
NTDB id 1022 ACIAD RS06390 WP 004925639.1	R L D I R R I G . . . Q V K . E G D E I I G S E T K V K V V K N K M A P P F R E A I F Q I L Y G K G V N Q L G E L V D L A V Q Q D I V Q K A G A W Y S Y Q G N	295
NTDB id 1074 ABD1 RS10195 WP 000344167.1	R L D I R R I G . . . Q V K . E G D E I I G S E T K V K V V K N K M A P P F K E A I F Q I L Y G K G T N Q I G E L V D L A V Q Q D I V Q K A G A W Y S Y Q G N	295
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NTDB id 269 KZH43 RS08665 WP 001085462.1	E	388
NTDB id 228 SPD RS09265 WP 001085462.1	E	388
NTDB id 194 SPR RS08825 WP 001085462.1	E	388
NTDB id 159 SP RS09750 WP 001085462.1	E	388
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	E	384
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NTDB id 408 SMU RS09530 WP 002262392.1	.	383
NTDB id 115 BSU 16940 NP 389576.2	.	348
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NTDB id 1245 Cj1673c YP 002345041.1	.	343
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	.	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.	349
NTDB id 1205 PSJM300 05545 AFN77183.1	.	347

consensus

 non conserved
 similar
 ≥ 50% conserved