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NTDB id 22645 CAB RS04955 WP 011097453.1MNVP	DRKKALEAATAYIEKQFGSGSIMSLGKHSASHEISTIKTGALS	LDLALGIGGV	PKGR	61					
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....	KTNFDDITKKYGAERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSVSSGSLALDIALGAGGY	PKGR	74			
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....	PKKLEEISKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....	PKKLEEISKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....	PKKLEEISKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....	PKKLEEISKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....	PKKLDEISKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....	PKKLDEISKKFGAEREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDIALGSGGY	PKGR	73				
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....	LKKNEEITKKFGDERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALDIALGAGGY	PKGR	73				
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....	IKKTEEITKKFGDERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALDIALGAGGY	PKGR	73				
NTDB id 115 BSU 16940 NP 389576.2	.....MS	DRQAALDMALKQIEKQFGKGSIMKLGK	ETDTRISTVPSGSLALDIALGIGGY	PRGR	58				
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKD	ERQAALDAALKKIEKNFGKGSIMRMGEK	.VDTQVSTVSSGSLALDEALGVGGY	PRGR	60				
NTDB id 1313 DR RS12030 WP 010888966.1MSKDATKEISAP	TDAKERSKATETAM	SQIEKAFGKGSIMKLGAE	.SKLDVQV	VSTGSLSLDIALGVGGI	PRGR	72			
NTDB id 1245 Cj1673c YP 002345041.1MDDN	KRKSALDAALKS	LDKTFGKGTILRLGDK	.EVEQIDS	IGTGSVGLDIALGIGGV	PKGR	59			
NTDB id 1214 NCTC11637 00359 SQJ03206.1MAIDE	DKQKATISLAIKQIDKVF	FGKGA	LVRLGDK	.QVEKIDA	ISTGSLGLDIALGIGGV	PKGR	61		
NTDB id 1211 C694 RS00795 WP 000963128.1MAIDE	DKQKATISLAIKQIDKVF	FGKGA	LVRLGDK	.QVEKIDS	ISTGSLGLDIALGIGGV	PKGR	61		
NTDB id 1334 RAOC RS04870 WP 004918236.1MAKT	.ETTSPND	DKKKALAAVLEK	LDKT	YGKGTVMKLG	DGTVDHNI	EVIPSGSLGLDIALGVGGY	PKGR	68	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKS	SKNNTV	.VKQVEPEQ	KKQALEA	ALAQIEKQFGKGSIMKLG	QT	.EQLDIES	VSTGSLGLDIALGIGGL	PMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1MSD	DKSKALAAALQIEKS	FGKGA	IMKMDGSQ	QEE	NLE	VISTGSLGLDIALGVGGL	PRGR	60	
NTDB id 1124 NGFG RS03960 WP 003688695.1MSD	DKSKALAAALQIEKS	FGKGA	IMKMDGSQ	QEE	NLE	VISTGSLGLDIALGVGGL	PRGR	60	
NTDB id 1123 OK783 RS03845 WP 003688695.1MSD	DKSKALAAALQIEKS	FGKGA	IMKMDGSQ	QEE	NLE	VISTGSLGLDIALGVGGL	PRGR	60	
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....	K.KAASMSA	EKQKALAAALQIEKQFGKGSIMKMG	DA	.EVEPVQV	VSTGSLGLDIALGVGGL	PRGR	68		
NTDB id 1165 A1552VC RS01565 WP 000344154.1MDEN	KQKALAAALGQIEKQFGKGSIMRLG	DN	.RAMDVET	ISTGSLSLDIALGAGGL	PMGR	59			
NTDB id 1142 GTF74 RS11550 WP 000344154.1MDEN	KQKALAAALGQIEKQFGKGSIMRLG	DN	.RAMDVET	ISTGSLSLDIALGAGGL	PMGR	59			
NTDB id 1205 PSJM300 05545 AFN77183.1MDEN	KKRALAAALGQIEKQFGKGA	VMRMDH	.DRQAI	PSISTGSLGLDIALGIGGL	PKGR	59			
NTDB id 1022 ACIAD RS06390 WP 004925639.1MDDN	KS	KALQAALSQIEKQFGKNTVMRLG	DN	.TVQAVEA	VSTGSLTLDIALGIGGL	PKGR	59		
NTDB id 1074 ABD1 RS10195 WP 000344167.1MDEN	KS	KALQAALSQIEKQFGKNTVMRLG	DN	.TVQAVEA	VSTGSLTLDIALGIGGL	PKGR	59		
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NTDB id 22645 CAB RS04955 WP 011097453.1	I V E I F G P E S S G K T T L A T H I V A N A Q K M G G V A A Y I D A E H A L D P S Y A S L I G A N T H D L M I S Q P D C G E D A L S I A E L L A R S G A V D V	141
NTDB id 600 KW2 RS01765 WP 011675413.1	I V E I Y G P E S S G K T T V A L H A V A A V Q K E G G I A A F I D A E N A L D P E Y A K A L G V N I D E L L S Q P D Y G E Q G L Q I A E K L I T S G A V D L	154
NTDB id 269 KZH43 RS08665 WP 001085462.1	I I E I Y G P E S S G K T T V A L H A V A Q A Q K E G G I A A F I D A E H A L D P A Y A A A L G V N I D E L L S Q P D S G E Q G L E I A G K L I D S G A V D L	153
NTDB id 228 SPD RS09265 WP 001085462.1	I I E I Y G P E S S G K T T V A L H A V A Q A Q K E G G I A A F I D A E H A L D P A Y A A A L G V N I D E L L S Q P D S G E Q G L E I A G K L I D S G A V D L	153
NTDB id 194 SPR RS08825 WP 001085462.1	I I E I Y G P E S S G K T T V A L H A V A Q A Q K E G G I A A F I D A E H A L D P A Y A A A L G V N I D E L L S Q P D S G E Q G L E I A G K L I D S G A V D L	153
NTDB id 159 SP RS09750 WP 001085462.1	I I E I Y G P E S S G K T T V A L H A V A Q A Q K E G G I A A F I D A E H A L D P A Y A A A L G V N I D E L L S Q P D S G E Q G L E I A G K L I D S G A V D L	153
NTDB id 499 SM12261 RS08315 WP 078228268.1	I I E I Y G P E S S G K T T V A L H A V A Q A Q K E G G I A A F I D A E H A L D P A Y A A A L G V N I D E L L S Q P D S G E Q G L E I A G K L I D S G A V D L	153
NTDB id 527 SMSK321 RS11065 WP 001085454.1	I I E I Y G P E S S G K T T V A L H A V A Q A Q K E G G I A A F I D A E H A L D P A Y A A A L G V N I D E L L S Q P D S G E Q G L E I A G K L I D S G A V D L	153
NTDB id 453 Spy49 1753c ACI62003.1	I I E I Y G P E S S G K T T V A L H A V A Q A Q K E G G I A A F I D A E H A L D P A Y A A A L G V N I D E L L A Q P D S G E Q G L E I A G K L I D S G A V D L	153
NTDB id 408 SMU RS09530 WP 002262392.1	I V E I Y G P E S S G K T T V A L H A V A Q A Q K D G G I A A F I D A E H A L D P A Y A A A L G V N I D E L L S Q P D S G E Q G L E I A G K L I D S G A V D L	153
NTDB id 115 BSU 16940 NP 389576.2	I I E V Y G P E S S G K T T V A L H A I A E V Q Q Q G G A A F I D A E H A L D P V Y A Q K L G V N I E E L L S Q P D T G E Q A L E I A E A L V R S G A V D I	138
NTDB id 625 LCA RS02525 WP 011374196.1	I V E I Y G P E S S G K T T V A L H A V A E V Q K Q G G T A A Y I D A E N A M D P K Y A T A L G V N I D D L L S Q P D T G E Q G L E I A D A L V S S G A V D I	140
NTDB id 1313 DR RS12030 WP 010888966.1	I T E I Y G P E S G K T T L A L A I V A Q A Q K A G G T C A F I D A E H A L D P V Y A R A L G V N T D E L L V S Q P D N G E Q A L E I M E L L V R S G A I D V	152
NTDB id 1245 Cj1673c YP 002345041.1	I I E I Y G P E S S G K T T L T L H I I A E C Q K A G G V C A F I D A E H A L D V K Y A K N L G V N T D D L Y V S Q P D F G E Q A L E I V E T I A R S G A V D L	139
NTDB id 1214 NCTC11637 00359 SQJ03206.1	I I E I Y G P E S S G K T T L S L H I I A E C Q K N G G V C A F I D A E H A L D V H Y A K R L G V D T E N L L V S Q P D T G E Q A L E I L E T I T R S G G I D L	141
NTDB id 1211 C694 RS00795 WP 000963128.1	I I E I Y G P E S S G K T T L S L H I I A E C Q K N G G V C A F I D A E H A L D V H Y A K R L G V D T E N L L V S Q P D T G E Q A L E I L E T I T R S G G I D L	141
NTDB id 1334 RAOC RS04870 WP 004918236.1	I V E I Y G P E S S G K T T L T L H A I A E A Q K V G G T A A F I D A E H A F D M H Y A E K L G I N L E E L I V S Q P D N G E Q A L E I A D S L I T R S G G V D I	148
NTDB id 1389 A4U84 RS07560 WP 021112712.1	I V E I Y G P E S S G K T T L T L S L I A Q A Q K G N K T C A F I D A E H A L D P V Y A R N L G V N T D E L L S Q P D N G E Q A L E I C D A L V R S G A V D V	156
NTDB id 1130 NGFG RS03960 WP 003688695.1	I V E I F G P E S S G K T T L C L E A V A Q C Q K N G G V C A F V D A E H A F D P V Y A R K L G V K V E E L Y L S Q P D T G E Q A L E I C D T L V R S G G I D M	140
NTDB id 1124 NGFG RS03960 WP 003688695.1	I V E I F G P E S S G K T T L C L E A V A Q C Q K N G G V C A F V D A E H A F D P V Y A R K L G V K V E E L Y L S Q P D T G E Q A L E I C D T L V R S G G I D M	140
NTDB id 1123 OK783 RS03845 WP 003688695.1	I V E I F G P E S S G K T T L C L E A V A Q C Q K N G G V C A F V D A E H A F D P V Y A R K L G V K V E E L Y L S Q P D T G E Q A L E I C D T L V R S G G I D M	140
NTDB id 1427 RS RS02760 WP 011000510.1	V V E I Y G P E S S G K T T L T L Q V V A E M Q K L G G T C A F I D A E H A L D V T Y A D K L G V K V P D L L I S Q P D T G E Q A L E I A D A L V R S G S V D L	148
NTDB id 1165 A1552VC RS01565 WP 000344154.1	I V E I F G P E S S G K T T L T L E L I A A A Q R E G K T C A F I D A E H A L D P V Y A K K L G V N I D E L L V S Q P D T G E Q A L E I C D A L A R S G A V D V	139
NTDB id 1142 GTF74 RS11550 WP 000344154.1	I V E I F G P E S S G K T T L T L E L I A A A Q R E G K T C A F I D A E H A L D P V Y A K K L G V N I D E L L V S Q P D T G E Q A L E I C D A L A R S G A V D V	139
NTDB id 1205 PSJM300 05545 AFN77183.1	I V E I Y G P E S S G K T T L T L S V I A A A Q R M G S T C A F V D A E H A L D P D Y A G K L G V N V D D L L V S Q P D T G E Q A L E I T D M L V R S N A V D V	139
NTDB id 1022 ACIAD RS06390 WP 004925639.1	I V E I Y G P E S S G K T T M T L Q A I A Q C Q K A G G T C A F I D A E H A L D P Q Y A R K L G V D I D N L L V S Q P D H G E Q A L E I A D M L V R S G A I D L	139
NTDB id 1074 ABD1 RS10195 WP 000344167.1	I I E I Y G P E S S G K T T M T L Q A I A Q C Q K S G G T C A F I D A E H A L D P Q Y A R K L G V D I D N L L V S Q P D N G E Q A L E I A D M L V R S G A I D L	139
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NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388
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NTDB id 1205 PSJM300 05545 AFN77183.1	...	347
NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349

consensus

 non conserved
 similar
 ≥ 50% conserved