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NTDB id 1313 DR RS12030 WP 010888966.1	.MSKD...ATKEISAPTDAKERSKAIETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGRIT	74
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK...KTNFDDITKKYGAERDKALADALALIEKDFGKGSIMRLGEEA.ANQKVSVVSSGSLALDIALGAGGYPKGRIV	76
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK...PKKLEEISKKFGEAREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRII	75
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK...PKKLEEISKKFGEAREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRII	75
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK...PKKLEEISKKFGEAREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRII	75
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK...PKKLEEISKKFGEAREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRII	75
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK...PKKLEEISKKFGEAREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRII	75
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK...PKKLEEISKKFGEAREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRII	75
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK...LKKNEEITKKFGDERRKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGRII	75
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR...IKKTEEITKKFGDERKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGRIV	75
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQIEKQFGKGSIMKLGEEK.TDTRLISTVPSGSLALDTALGIGGYPGRGRII	60
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYPGRGRII	62
NTDB id 1171198 ACQOQJ RS11080 WP 015753276.1	.....MSSEKDAKLKALKLTLDKLDKTYGKGTVMKMGDD.VAQDVEVIPSGSLGLDVALGVGGYPGRVIV	64
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKTETTSPNDDKKKALAAVLEKLDKTYGKGTVMKLGDTVDHNIIEVIPSGSLGLDVALGVGGYPKGRIV	70
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDNKRKSLDAALKS LDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGRII	61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKAIISLAIKQIDKVFSGKALVRLGDK.QVEKIDAISTGSLGLDLALGIGGVPKGRII	63
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKAIISLAIKQIDKVFSGKALVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPKGRII	63
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKSSKNNTVVKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGRIV	78
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFSGKAIMKMDGSQEQEENLEVIISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFSGKAIMKMDGSQEQEENLEVIISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFSGKAIMKMDGSQEQEENLEVIISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....KKAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLDVALGVGGLPRGRVV	70
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRIV	61
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRIV	61
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDNKSALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIV	61
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIV	61
NTDB id 1205 PSJM300 05545 AFN77183.1	.....MDENKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSIISTGSLGLDIALGIGGLPKGRIV	61
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NTDB id 1313 DR RS12030 WP 010888966.1	RIGGGKEKTIAYIAERPMEQEIRDRVMAAIRAGNAGEAPALAPAPAA.....PEAAE.....A.....	363
NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGAEKAKNYLKEHQVDFEIDHKVRAAHGLDDSEVAETEETETASKTKAKAKKEEKAVETEEIELELED.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	KIGQGSNAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE	387
NTDB id 228 SPD RS09265 WP 001085462.1	KIGQGSNAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE	387
NTDB id 194 SPR RS08825 WP 001085462.1	KIGQGSNAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE	387
NTDB id 159 SP RS09750 WP 001085462.1	KIGQGSNAKKYLAEHPEIFDEIDKQVRSKFGIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIEIE	387
NTDB id 499 SM12261 RS08315 WP 078228268.1	KIGQGSNAKKYLADNPEIFDEIDHQVVRVQFGLIDGEEIAES....KKDE....AAQVDS..VNEEVTLDLGDELEIEIE	383
NTDB id 527 SMSK321 RS11065 WP 001085454.1	KIGQGSNAKKYLADNPEVFAEIDHQVVRVQFGLIDGEEAAS....KKDE....VAQVDS..VNEEVTLDLGDELEIEIE	383
NTDB id 453 Spy49 1753c ACI62003.1	KIGQGSNAKKRYLADHPQLFDEIDRKRVRVKFGLLEESEESAMAVASE.....E.....TDDLALDLNGIEIED.	378
NTDB id 408 SMU RS09530 WP 002262392.1	KIGQGSNAKKFLADNPEIFDDIDHKVVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED.	383
NTDB id 115 BSU 16940 NP 389576.2	RLGQGRNAAKQFLKENKDIMLMIQEQIREHYGLDNGGVVQQQAETQEEL.EFE.E.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	RIGQGRNAAKNYLADHEDVEDEVRLKVRAAAGISDVPEEDLPTTEDE.QI.NILPDDST.....EE.....	355
NTDB id 1171198 ACQQQJ RS11080 WP 015753276.1	KLGGGRDAVKILLKDNPELLELEEKIKAEIKA.....	335
NTDB id 1334 RAOC RS04870 WP 004918236.1	KLGGGRDITVKELIKDNPELAEELEAKIREKLQAK.....	343
NTDB id 1245 Cj1673c YP 002345041.1	KLGGGRENSKAFLKENPEIADKLEQEIIRNTLASNPNSVLKATASDSNDES.DVEEFS.....EEEL.....	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KLGGGRENAKALLKEDKALADEITLKIKESIGSNEEIMPLPDEP..LEEM.E.....	347
NTDB id 1211 C694 RS00795 WP 000963128.1	KLGGGRENAKALLKEDKALADEITLKIKESIGSNEEIMPLPDEP..LEEM.E.....	347
NTDB id 1389 A4U84 RS07560 WP 021112712.1	KIGQGXNNAVKWLKENPEIADKLEQEIIRNTLASNPNSVLKATASDSNDES.DVEEFS.....EEEL.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	KIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGER.....P.....EE.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	KIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGER.....P.....EE.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	KIGQGKDNVRVWLKENPEISDEIDAKIRALNGVEMHITEGTQDETGER.....P.....EE.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	RIGQGRDNCREFLRENAREIENKVRHLGVTPMGAVTLA.EEVEED.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	KIGQGKANACKYLKENPEIAKTLDKKLREMLLNPNMQLIAETSSAADDV.EFGAVP.....EEF.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	KIGQGKANACKYLKENPEIAKTLDKKLREMLLNPNMQLIAETSSAADDV.EFGAVP.....EEF.....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	KIGQGXNNVIRYLEENPQISTEIEAVIREQLLTKASDQTAH.DETEPEP.DLL..E.....S.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGXNNVIRYFEENQIAEIEIERNIREQLLTTGTNGAVQ.I.EDEEPEP.DLL..L.....ES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	KIGQGKANAAKYLEENPEIGQEIEQQIRAKLLVTSANTKATPVAEDLADA.DI.....	347
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NTDB id 1313 DR RS12030 WP 010888966.1	.	363
NTDB id 600 KW2 RS01765 WP 011675413.1	.	387
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
NTDB id 499 SM12261 RS08315 WP 078228268.1	E	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	E	384
NTDB id 453 Spy49 1753c ACI62003.1	.	378
NTDB id 408 SMU RS09530 WP 002262392.1	.	383
NTDB id 115 BSU 16940 NP 389576.2	.	348
NTDB id 625 LCA RS02525 WP 011374196.1	.	355
NTDB id 1171198 ACQOQJ RS11080 WP 015753276.1	.	335
NTDB id 1334 RAOC RS04870 WP 004918236.1	.	343
NTDB id 1245 Cj1673c YP 002345041.1	.	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.	347
NTDB id 1211 C694 RS00795 WP 000963128.1	.	347
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	.	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	.	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	.	348
NTDB id 1427 RS RS02760 WP 011000510.1	.	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.	354
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