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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKKK....TNFDDITKKYGAERDKALADALALIEKD FGKGSIMRLGEA . ANQKVS VSSGSLALDI ALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKKP....KKLEEISKKFGAEREKALNDALKLI EKDFGKGSIMRLGER. AEQKVQVMSSGSLALDI ALGSGGYPKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKKP....KKLEEISKKFGAEREKALNDALKLI EKDFGKGSIMRLGER. AEQKVQVMSSGSLALDI ALGSGGYPKGR	73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKKP....KKLEEISKKFGAEREKALNDALKLI EKDFGKGSIMRLGER. AEQKVQVMSSGSLALDI ALGSGGYPKGR	73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKKP....KKLEEISKKFGAEREKALNDALKLI EKDFGKGSIMRLGER. AEQKVQVMSSGSLALDI ALGSGGYPKGR	73
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKKP....KKLDEISKKFGAEREKALNDALKLI EKDFGKGSIMRLGER. AEQKVQVMSSGSLALDI ALGSGGYPKGR	73
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKKP....KKLDEISKKFGAEREKALNDALKLI EKDFGKGSIMRLGER. AEQKVQVMSSGSLALDI ALGSGGYPKGR	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKKL....KKNEEITKKFGDERRKALDDALKNIEKD FGKGAVMRLGER. AEQKVQVMSSGSLALDI ALGAGGYPKGR	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKRI....KKTEEITKKFGDERKKALDDALKNIEKD FGKGAVMRLGER. AEQKVQVMSSGSLALDI ALGAGGYPKGR	73
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQIEKQFGKGSIMKLG EK. TDTRISTVPSGSLALDI TALGIGGYPGR	58
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKKIEKNFGKGSIMRMGEK. VDTQVSTVSSGSLALDEALGVGGYPRGR	60
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTDAKERSKATETAMSI EKAFGKGSIMKLGAE. SKLDVQVVSTGSLSLDLALGVGGIPRGR	72
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKS LDKTFGKGTILRLGDK. EVEQIDSIGTGSVGLDLALGIGGVPKGR	59
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATISLAIKQIDKVF GK GALVRLGDK. QVEKIDAISTGSLGLDLALGIGGVPKGR	61
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATISLAIKQIDKVF GK GALVRLGDK. QVEKIDSISTGSLGLDLALGIGGVPKGR	61
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSPNDDKKKALAAVLEK LDKTYGKGTVMKLG DGTVDHNIIEVIPSGSLGLDLALGVGGYPKGR	68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKS KNNTV. VKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT. EQLDIESVSTGSLGLDLALGIGGLPMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQ QEENLEVISTGSLGLDLALGVGGLPRGR	60
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQ QEENLEVISTGSLGLDLALGVGGLPRGR	60
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQ QEENLEVISTGSLGLDLALGVGGLPRGR	60
NTDB id 1427 RS RS02760 WP 011000510.1	.MED.....GK..KAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA. EVQVQVSTGSLGLDVALGVGGLPRGR	68
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NTDB id 1165 A1552VC RS01565 WP 000344154.1MDENKQKALAAALGQIEKQFGKGSIMRLGDN. RAMDVETISTGSLSLDI ALGAGGLPMGR	59
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQIEKQFGKGSIMRLGDN. RAMDVETISTGSLSLDI ALGAGGLPMGR	59
NTDB id 1205 PSJM300 05545 AFN77183.1	.....MDENKQRALAAALGQIEKQFGKGAVMRMGDH. DRQAIPSI STGSLGLDI ALGIGGLPKGR	59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDNKS KALQAALSQIEKQFGKNTVMRLGDN. TVQAVEAVSTGSLTLDI ALGIGGLPKGR	59
NTDB id 1074 ABD1 RS10195 WP 000344167.1MDENKSKALQAALSQIEKQFGKNTVMRLGDN. TVQAVEAVSTGSLTLDI ALGIGGLPKGR	59
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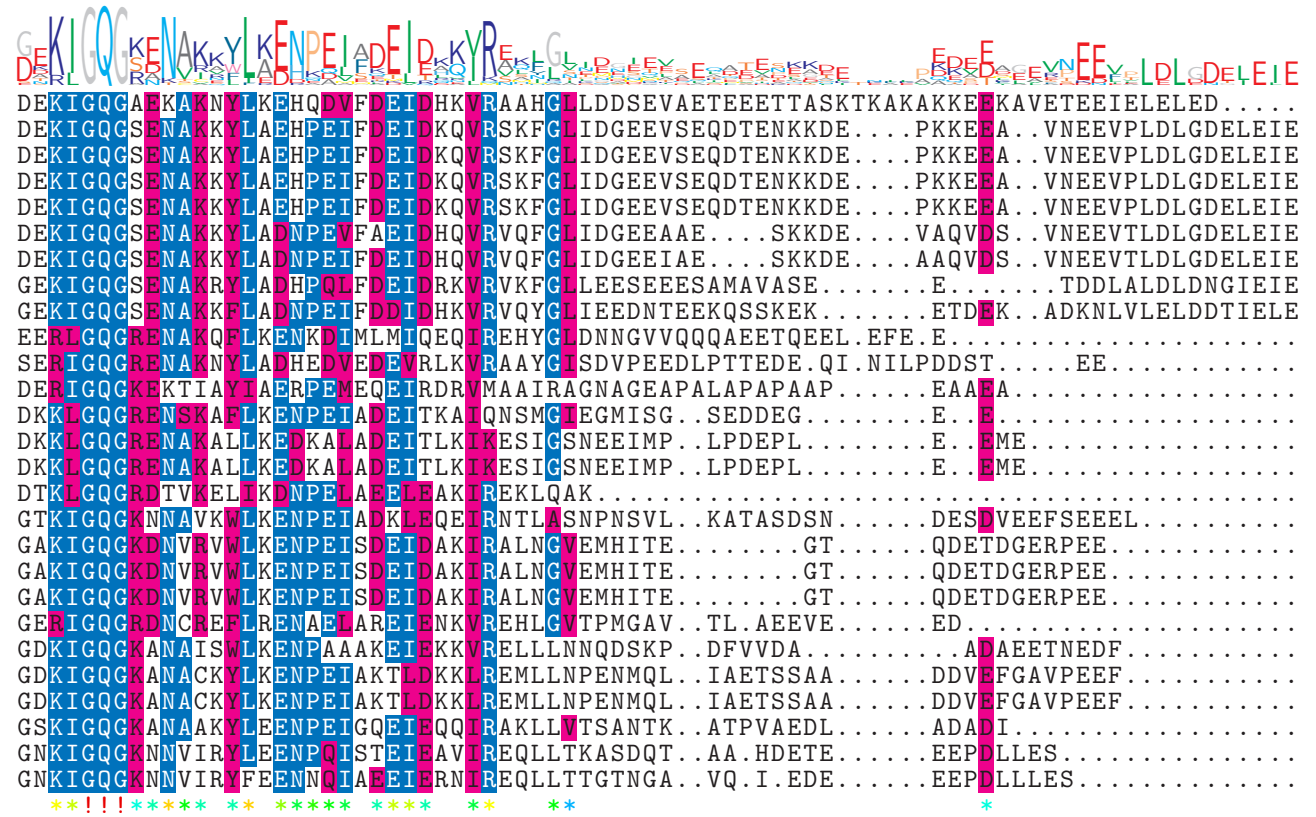
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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQIGKIITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELLNTAVEEGI	I	IKKSGAWFAYN	312				
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDI	IKKAGAWYSYK	311				
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NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDI	IKKAGAWYSYK	311				
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVEIMYGEGISKTGELLKIASDLDI	IKKAGAWYSYK	311				
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NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFKEAFVEIMYGEGISKTGELLKIASDLDI	IKKAGAWYSYK	311				
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKDS	IGKETKIKVVKNKVAPPFKVAEVEIMYGEGISRTGELVKIASDLDI	IQKAGAWFSYN	311				
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDS	IGKETKIKVVKNKVAPPFKEAFVEIIMYGEGISRTGELVKIASDLGI	IQKAGAWYSYN	311				
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN.....D	MGNKTIKIKVVKNKVAPPFR	TAEVDIMYGEGISKEGEITDLGTELDIV	QKSGSWYSYE	292			
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRAETIKNGT.....D	MIGNRARIKIKVVKNKVAPPFKVAEVD	IMYGEGISRTGELVDMAVEKDI	INKSGSWYSYG	294			
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ....PTKVGND	AVANTVKIKIKTVKNKVAAPFKE	VELALVYGGKGFQDLSDLVGLA	ADMDI	IKKAGSFYSYG	307		
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKVAT....L.KQNE	EP	IGNRVKIKVVKNKVAPPFR	QAEFDV	MFGEGLSREGELIDYGVKLDIV	DKSGAWFSYK	294	
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NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS....L.KQNE	QH	IGNRAKIKVVKNKVAPPFR	EAEFDIMF	GEGISKEGEITDYGVKLDIV	DKSGAWLSYQ	296	
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NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRTGS....I.KKG	EEV	LGNETRVKVIKKNVAPPFR	QAEFDILY	GEGISWEGELIDIGVKNDI	INKSGAWYSYN	294	
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGS....I.KKG	DEV	GNETKIKVVKNKVAPPFR	EAFIDILY	GAGVSR	EGEITDLGVEAKV	VEKSGAWYSYN	302
NTDB id 85384 R2TS RS17820 WP 023308943.1	SVRLDIRRIGA....V.KEG	ENV	VGSETRVKVVKNKIAAPFK	QAEFQILY	GEGINFLGELVDLGVKEKLI	IEKAGAWYSYN	295	
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEG	EEV	VGNETRIKVVKNKIAAPFKE	ANTQIMYGQGFN	REGELIDLGVKHKM	VEKSGAWYSYN	293	
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEG	DEV	VGSETRVKVVKNKVAPPFR	QAEFQILY	GKGIYRNGEITDLGVQGL	VEKSGAWAYK	293	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEG	DEI	IGSETKIKVVKNKMAPPF	FREAFIQILY	GKGVNQLGELVDLAVQQN	IVQKAGAWYSYQ	293	
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 NTDB id 269 KZH43 RS08665 WP 001085462.1
 NTDB id 228 SPD RS09265 WP 001085462.1
 NTDB id 194 SPR RS08825 WP 001085462.1
 NTDB id 159 SP RS09750 WP 001085462.1
 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 NTDB id 499 SM12261 RS08315 WP 078228268.1
 NTDB id 453 Spy49 1753c ACI62003.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 115 BSU 16940 NP 389576.2
 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 1245 Cj1673c YP 002345041.1
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 NTDB id 1211 C694 RS00795 WP 000963128.1
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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388
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consensus

 non conserved
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