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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....KTNFDDITKKYGAERDKALADALALIEKD FGKGSIMRLGE .AANQKVS SVSSGSLALDI TALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....PKKLEEISKKFGAEREKALNDALKLI EKDFGKGSIMRLGE .RAEQKVQVMSSGSLALDI TALGSGGYPKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....PKKLEEISKKFGAEREKALNDALKLI EKDFGKGSIMRLGE .RAEQKVQVMSSGSLALDI TALGSGGYPKGR	73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK....PKKLEEISKKFGAEREKALNDALKLI EKDFGKGSIMRLGE .RAEQKVQVMSSGSLALDI TALGSGGYPKGR	73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....PKKLEEISKKFGAEREKALNDALKLI EKDFGKGSIMRLGE .RAEQKVQVMSSGSLALDI TALGSGGYPKGR	73
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NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR....IKKTEEITKKFGDERRKALDDALKNIEKD FGKGVAVRMLGE .RAEQKVQVMSSGSLALDI TALGAGGYPKGR	73
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NTDB id 115 BSU 16940 NP 389576.2MSDRQAALDMALKQIEKQFGKGSIMKLG E.KTDTRISTVPSGSLALDI TALGIGGYPRGR	58
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKKIEKNFGKGSIMRMGE .KVDTQVSTVSSGSLALDEALGVGGYPRGR	60
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTDAKERSKATETAMSI EKAFGKGSIMKLG A.ESKLDVQVVSTGSLSLDLALGVGGIPRGR	72
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKS LDKTFGKGTILRLGD .KEVEQIDSIGTGSVGLDLALGIGGVPKGR	59
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATISLAIKQIDKVF GK GALVRLGD .KQVEKIDSISTGSLGLDLALGIGGVPKGR	61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATISLAIKQIDKVF GK GALVRLGD .KQVEKIDAISTGSLGLDLALGIGGVPKGR	61
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSPNDDKKKALAAVLEK LDKTYGKGTVMKLG DGTVDHNIIEVIPSGSLGLDLALGVGGYPKGR	68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKS SKNNTV.VKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQ .TEQLDIESVSTGSLGLDLALGIGGLPMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQ QEENLEVISTGSLGLDLALGVGGLPRGR	60
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NTDB id 1123 OK783 RS03845 WP 003688695.1MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQ QEENLEVISTGSLGLDLALGVGGLPRGR	60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSAEKQKALAAALAQIEKQFGKGSIMKMGD .AEVEPVQVVSTGSLGLDVALGVGGLPRGR	68
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NTDB id 1142 GTF74 RS11550 WP 000344154.1MDENKQKALAAALGQIEKQFGKGSIMRLGD .NRAMDVETISTGSLSLDI TALGAGGLPMGR	59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDNKSKALQAALSQIEKQFGKNTVMRLGD .NTVQAVEAVSTGSLTLDI TALGIGGLPKGR	59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALSQIEKQFGKNTVMRLGD .NTVQAVEAVSTGSLTLDI TALGIGGLPKGR	59
NTDB id 28836 PSEBR RS06020 WP 003198351.1	.....MDDNKKKALAAALGQIERQFGKGVAVRMLGD .QDRQAIPSI STGSLGLDI TALGIGGLPKGR	59
NTDB id 1205 PSJM300 05545 AFN77183.1MDENKKRALAAALGQIEKQFGKGVAVRMLGD .HDRQAIPSI STGSLGLDI TALGIGGLPKGR	59
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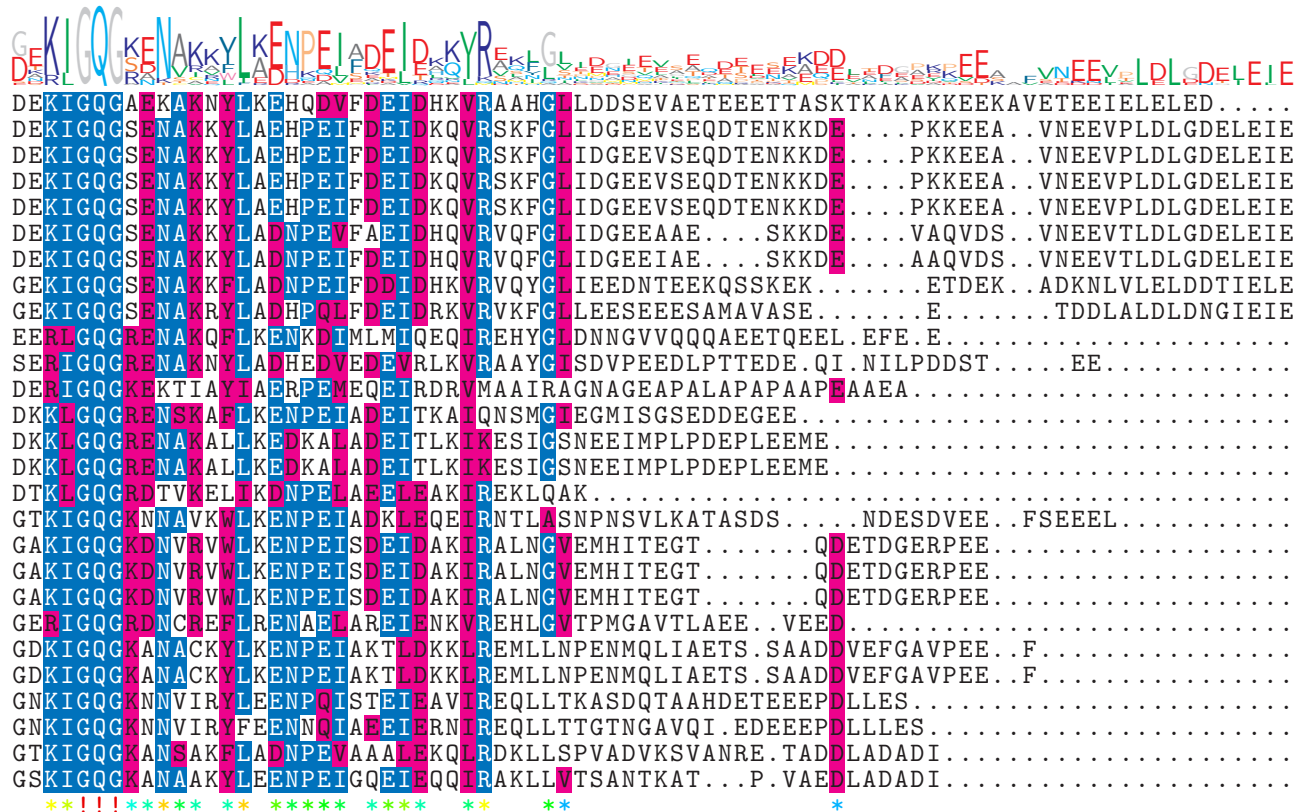


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NTDB id 269	KZH43	RS08665	WP	001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVE	IMYGEGISKTGELL	KIASDLDI	IKKAGAWYSYK	311		
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NTDB id 194	SPR	RS08825	WP	001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVE	IMYGEGISKTGELL	KIASDLDI	IKKAGAWYSYK	311		
NTDB id 159	SP	RS09750	WP	001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKVVKNKVAPPFKEAVVE	IMYGEGISKTGELL	KIASDLDI	IKKAGAWYSYK	311		
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NTDB id 499	SM12261	RS08315	WP	078228268.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKIKVVKNKVAPPFKEAFVE	IMYGEGISKTGELL	KIASDLDI	IKKAGAWYSYK	311		
NTDB id 408	SMU	RS09530	WP	002262392.1	SVRLDVRGNTQIKGTG.EQKDSN	IGKETKIKVVKNKVAPPFKEAFVE	IITYGEGISRTGEL	VKIASDLGI	IQKAGAWYSYN	311		
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NTDB id 625	LCA	RS02525	WP	011374196.1	TVRLEVRRAETIKNGT.....	DMIGNRARIKVVKNKVAPPFK	VAEVDIMYGEGISRTGEL	VDMAVEKDI	INKSGSWYSYG	294		
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NTDB id 1214	NCTC11637	00359	SQJ03206.1	SVRIDIRRIAA....	L.KQNEQH	IGNRAKIKVVKNKVAPPFR	EAEFDIMFGEGISKEGE	IIDYGVKLDIV	DKSGAWLSYQ	296		
NTDB id 1334	RAOC	RS04870	WP	004918236.1	SVRIDIRRLSDTGKIKDKSGEV	IGNRTKIKVVKNKVAPPFK	SAEFDIMYGEGVSKV	GEILDVATDLDI	IQKSGSWFSYQ	307		
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NTDB id 1123	OK783	RS03845	WP	003688695.1	SVRLDIRRTGS....	I.KKGEV	LGNETRVKVIKKNVAPPFR	QAEFDILYEGEGISW	EGELIDIGVKNDI	INKSGAWYSYN	294	
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NTDB id 1165	A1552VC	RS01565	WP	000344154.1	SVRLDIRRTGA....	I.KEGEEV	VGNETRIKVVKNKIA	APFKEANTQIMYG	QGFNREGELIDL	GVKHKMVEKSGAWYSYN	293	
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NTDB id 600 KW2 RS01765 WP 011675413.1
 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 408 SMU RS09530 WP 002262392.1
 NTDB id 453 Spy49 1753c ACI62003.1
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consensus

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 ≥ 50% conserved