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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKKK.....TNFDDITKKYGAERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALDI	I	ALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKKP.....KKLEEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKKP.....KKLEEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKKP.....KKLEEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKKP.....KKLEEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKKP.....KKLDEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73
NTDB id 499 SM12261 RS08315 WP 0028228268.1	.MAKKP.....KKLDEISKKFGE	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	I	ALGSGGYPKGR	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKRI.....KKTEEITKKFGE	DERKKALDDALKNIEKD	FGKGVMLRGER	.AEQKVQVMSSGSLALDI	I	ALGAGGYPKGR	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKKL.....KKNEEITKKFGE	DERRKALDDALKNIEKD	FGKGVMLRGER	.AEQKVQVMSSGSLALDI	I	ALGAGGYPKGR	73
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQIEKQ	FGKGSIMKLG	EK	.TDTRISTVPSGSLALDI	I	ALGIGGYPRGR	58
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKKIEKN	FGKGSIMRMGEK	.VDTQVSTVSSGSLALDE	ALGVGGYPRGR	60		
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTDAKERSKAT	ETAMSI	EKAFGKGSIMKLGAE	.SKLDVQVVSTGSLSLDL	ALGVGGIPRGR	72	
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKS	LDKTFGKGTILRLGDK	.EVEQIDSIGTGSVGLDL	ALGIGGVPKGR	59		
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATISLAIKQID	KVFGKGVRLGDK	.QVEKIDSISTGSLGLDL	ALGIGGVPKGR	61		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATISLAIKQID	KVFGKGVRLGDK	.QVEKIDAISTGSLGLDL	ALGIGGVPKGR	61		
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSPPDDKKK	ALAAVLEKLDKTYGKGTVMKLG	GDVTVDHNI	IEVIPS	GSGLGLDLALGVGGYPKGR	68	
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEEENLEVISTGSLGLDL	ALGVGGLPRGR	60		
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEEENLEVISTGSLGLDL	ALGVGGLPRGR	60		
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEEENLEVISTGSLGLDL	ALGVGGLPRGR	60		
NTDB id 1427 RS RS02760 WP 011000510.1	.....MEDGK..KAASMSAEKQK	ALAAALAQIEKQ	FGKGSIMKMGDA	.EVEPVQVVSTGSLGLDV	ALGVGGLPRGR	68	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQK	KQALEAALAQIEKQ	FGKGSIMKLGQT	.EQLDIESVSTGSLGLDL	ALGIGGLPMGR	76	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDNKSKALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59		
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLDI	ALGAGGLPMGR	59		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLDI	ALGAGGLPMGR	59		
NTDB id 167602 AL518 RS00760 WP 004091607.1	.....MDENKQRALAAALGQIEKQ	FGKGSIMRLGDT	.QTLDIDSVSTGSLSLDV	ALGIGGLPMGR	59		
NTDB id 1205 PSJM300 05545 AFN77183.1	.....MDENKQRALAAALGQIEKQ	FGKGVMRMGDH	.DRQAIPSI	STGSLGLDI	ALGIGGLPKGR	59	
consensus	*** **	** ***!	*!*****	*	***!!*!!*!!*!!*!!*!!*!!*!!	!!*!!	



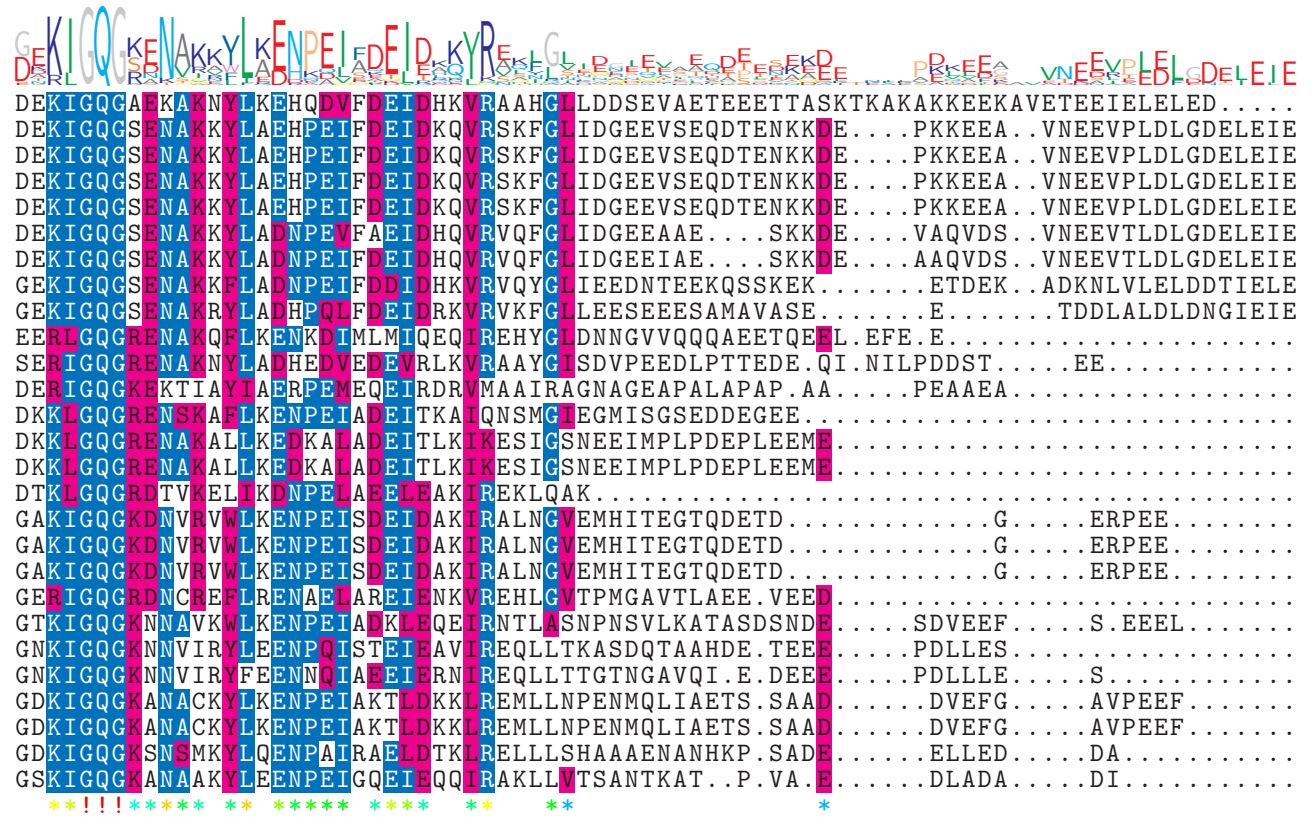




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NTDB id 600 KW2 RS01765 WP 011675413.1  
 NTDB id 269 KZH43 RS08665 WP 001085462.1  
 NTDB id 228 SPD RS09265 WP 001085462.1  
 NTDB id 194 SPR RS08825 WP 001085462.1  
 NTDB id 159 SP RS09750 WP 001085462.1  
 NTDB id 527 SMSK321 RS11065 WP 001085454.1  
 NTDB id 499 SM12261 RS08315 WP 078228268.1  
 NTDB id 408 SMU RS09530 WP 002262392.1  
 NTDB id 453 Spy49 1753c ACI62003.1  
 NTDB id 115 BSU 16940 NP 389576.2  
 NTDB id 625 LCA RS02525 WP 011374196.1  
 NTDB id 1313 DR RS12030 WP 010888966.1  
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 NTDB id 1211 C694 RS00795 WP 000963128.1  
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 NTDB id 1334 RAOC RS04870 WP 004918236.1  
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 NTDB id 1389 A4U84 RS07560 WP 021112712.1  
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 NTDB id 1142 GTF74 RS11550 WP 000344154.1  
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 NTDB id 1205 PSJM300 05545 AFN77183.1

consensus



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logo

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
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	D..	383
NTDB id 453 Spy49 1753c ACI62003.1	D..	378
NTDB id 115 BSU 16940 NP 389576.2	...	348
NTDB id 625 LCA RS02525 WP 011374196.1	...	355
NTDB id 1313 DR RS12030 WP 010888966.1	...	363
NTDB id 1245 Cj1673c YP 002345041.1	...	343
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NTDB id 1427 RS RS02760 WP 011000510.1	...	352
NTDB id 1389 A4U84 RS07560 WP 021112712.1	...	372
NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	...	354
NTDB id 167602 AL518 RS00760 WP 004091607.1	...	350
NTDB id 1205 PSJM300 05545 AFN77183.1	...	347

consensus

 non conserved  
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 ≥ 50% conserved