

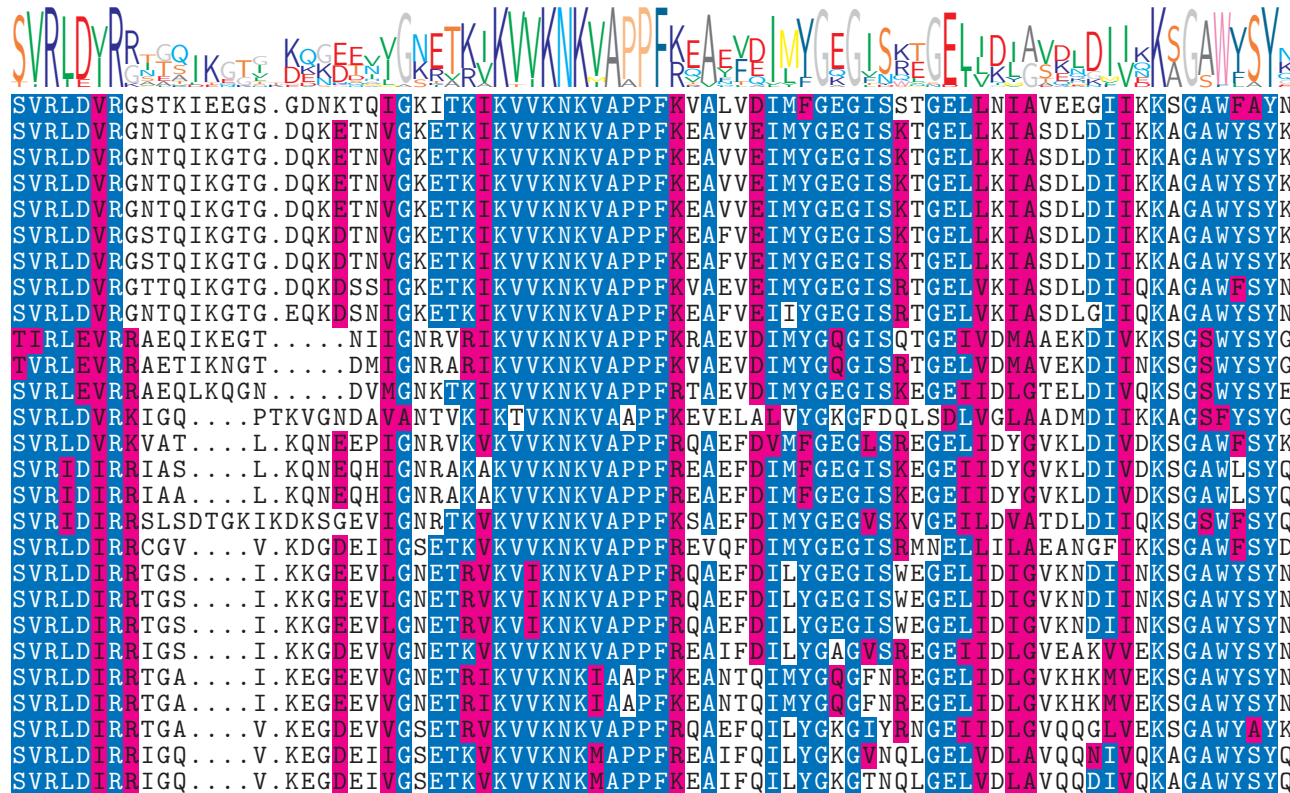
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NTDB id 600 KW2 RS01765 WP 011675413.1	MATK....KKTNFDDITKKYGA	ERDKALADALAL	IEKD	FGKGSIMRLG	EA	.ANQKVS	VSSGSLALDI	ALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLG	ER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 228 SPD RS09265 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLG	ER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 194 SPR RS08825 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLG	ER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
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NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAK....KPKKLDEISKKFGA	EREKALNDALKL	IEKD	FGKGSIMRLG	ER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73	
NTDB id 453 Spy49 1753c ACI62003.1	.MAK....KLKKNEEITKKF	DERKALDDALKN	IEKD	FGKGAVMRLG	ER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73	
NTDB id 408 SMU RS09530 WP 002262392.1	.MAK....RIKKTEEITKKF	DERKALDDALKN	IEKD	FGKGAVMRLG	ER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73	
NTDB id 363782 FEM46 RS09930 WP 021356874.1	.....MADARKAALDTALKK	IEKN	FGKGAIMRMGDA	.AQTTISTISSGSLALDD	ALGVGGYPRGR	59		
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKK	IEKN	FGKGSIMRMGEK	.VDTQVSTVSSGSLALDEALGVGGYPRGR	60			
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQ	IEKQ	FGKGSIMKLG	EK.TDTRISTVPSGSLALDTALGIGGYPRGR	58			
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	ERSKATETAMSQ	IEKA	FGKGSIMKLGAE	.SKLDVQVSTGSLSLDLALGVGGIPRGR	72		
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKS	LDKT	FGKGTILRLGDK	.EVEQIDSIGTGSVGLDLALGIGGVPKGR	59			
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATISLAIKQ	IDKV	FGKGAIVRLGDK	.QVEKIDISTGSLGLDLALGIGGVPKGR	61			
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATISLAIKQ	IDKV	FGKGAIVRLGDK	.QVEKIDISTGSLGLDLALGIGGVPKGR	61			
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSN	DDKKKALAAVLEK	LDKT	YGKGTVMKLG	DGTVDHNIEVIPSGSLGLDLALGVGGYPKGR	68		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKSSKNNTV..VKQVEP	EKKQKALEAALAQ	IEKQ	FGKGSIMKLGQT	.EQLDIESVSTGSLGLDLALGIGGLPMGR	76			
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQ	IEKS	FGKGAIMKMDGSQ	QEEENLEVISTGSLGLDLALGVGGLPRGR	60			
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQ	IEKS	FGKGAIMKMDGSQ	QEEENLEVISTGSLGLDLALGVGGLPRGR	60			
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALAQ	IEKS	FGKGAIMKMDGSQ	QEEENLEVISTGSLGLDLALGVGGLPRGR	60			
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	EKKKALAAALAQ	IEKQ	FGKGSIMKMGDA	.EVEPVQVSTGSLGLDVALGVGGLPRGR	68			
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQ	IEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLDI	ALGAGGLPMGR	59		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQ	IEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLDI	ALGAGGLPMGR	59		
NTDB id 1205 PSJM300 05545 AFN77183.1	.....MDENKRALAAALGQ	IEKQ	FGKGAVMRMGDH	.DRQAIPSI	STGSLGLDI	ALGIGGLPKGR	59	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDNKS	KALQAALSQ	IEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59	
NTDB id 1074 ABD1 RS10195 WP 000344167.1MDENK	SKALQAALSQ	IEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59		
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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 453 Spy49 1753c ACI62003.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 363782 FEM46 RS09930 WP 021356874.1
 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 115 BSU 16940 NP 389576.2
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 NTDB id 1245 Cj1673c YP 002345041.1
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 NTDB id 1214 NCTC11637 00359 SQJ03206.1
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 NTDB id 1130 NGFG RS03960 WP 003688695.1
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 NTDB id 1427 RS RS02760 WP 011000510.1
 NTDB id 1165 A1552VC RS01565 WP 000344154.1
 NTDB id 1142 GTF74 RS11550 WP 000344154.1
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 NTDB id 1022 ACIAD RS06390 WP 004925639.1
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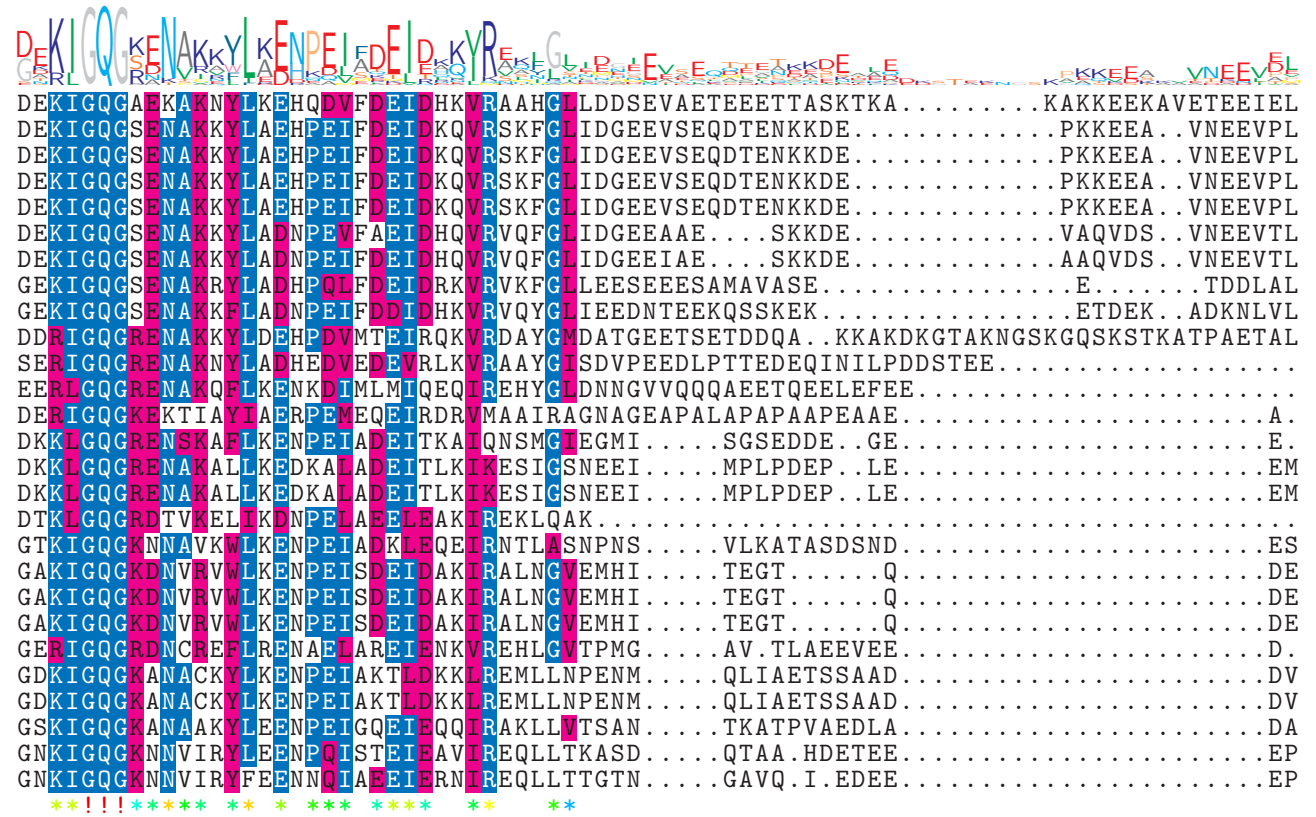
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NTDB id 600 KW2 RS01765 WP 011675413.1
 NTDB id 269 KZH43 RS08665 WP 001085462.1
 NTDB id 228 SPD RS09265 WP 001085462.1
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 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
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NTDB id	Accession	Sequence	Position
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228	SPD RS09265 WP 001085462.1	DLGDELEIEIEE	388
194	SPR RS08825 WP 001085462.1	DLGDELEIEIEE	388
159	SP RS09750 WP 001085462.1	DLGDELEIEIEE	388
527	SMSK321 RS11065 WP 001085454.1	DLGDELEIEIEE	384
499	SM12261 RS08315 WP 078228268.1	DLGDELEIEIEE	384
453	Spy49 1753c ACI62003.1	DLDNIEIED..	378
408	SMU RS09530 WP 002262392.1	ELDDTIELED..	383
363782	FEM46 RS09930 WP 021356874.1	DLGDQPTEK...	380
625	LCA RS02525 WP 011374196.1	.....	355
115	BSU 16940 NP 389576.2	.....	348
1313	DR RS12030 WP 010888966.1	.....	363
1245	Cj1673c YP 002345041.1	.....	343
1211	C694 RS00795 WP 000963128.1	E.....	347
1214	NCTC11637 00359 SQJ03206.1	E.....	347
1334	RAOC RS04870 WP 004918236.1	.....	343
1389	A4U84 RS07560 WP 021112712.1	DVEEFSEEEL..	372
1130	NGFG RS03960 WP 003688695.1	TDGERPEE....	348
1124	NGFG RS03960 WP 003688695.1	TDGERPEE....	348
1123	OK783 RS03845 WP 003688695.1	TDGERPEE....	348
1427	RS RS02760 WP 011000510.1	.....	352
1165	A1552VC RS01565 WP 000344154.1	EFGAVPEEF...	354
1142	GTF74 RS11550 WP 000344154.1	EFGAVPEEF...	354
1205	PSJM300 05545 AFN77183.1	DI.....	347
1022	ACIAD RS06390 WP 004925639.1	DLL..ES.....	349
1074	ABD1 RS10195 WP 000344167.1	DLL..LES.....	349
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non conserved
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 ≥ 50% conserved