

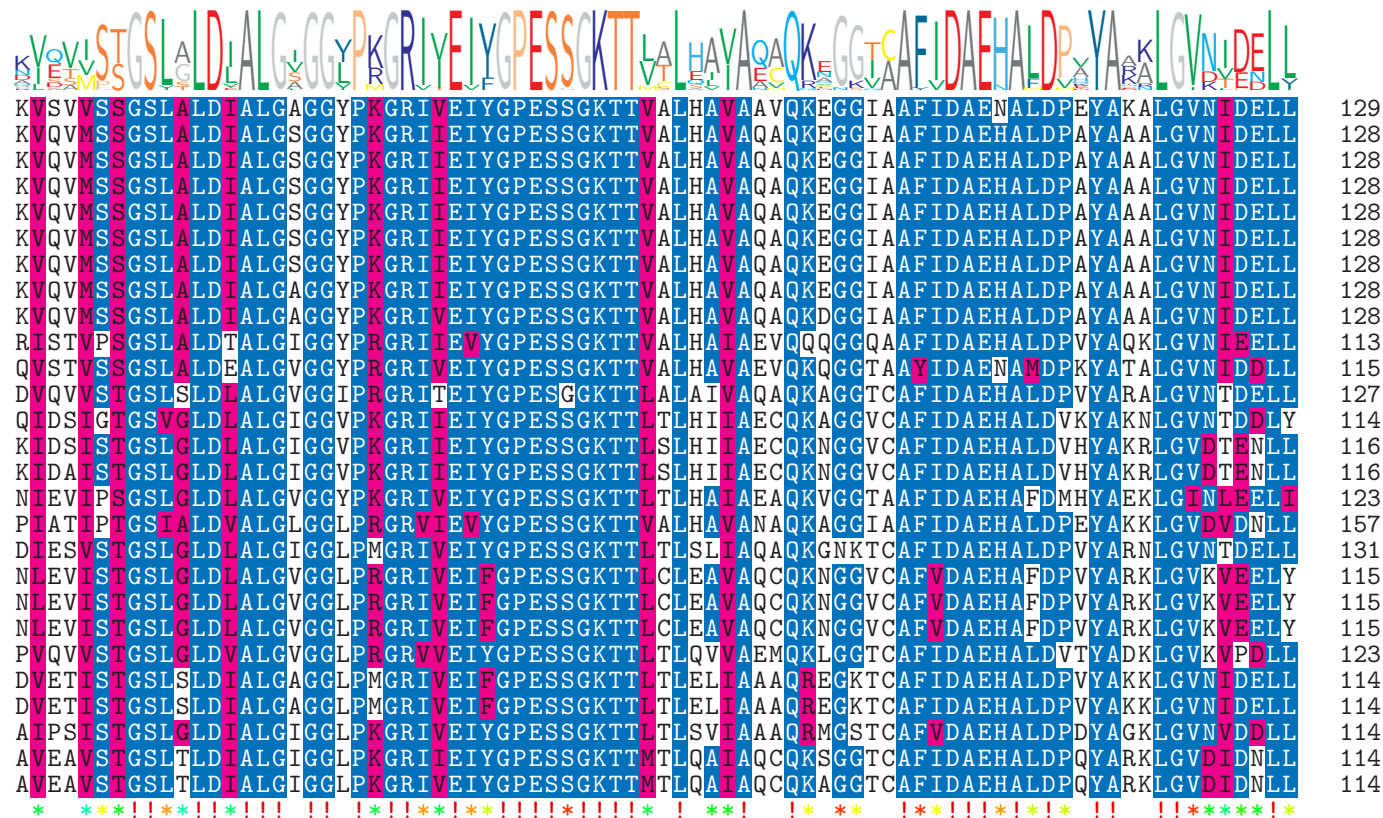
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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....K...TNFDDITKKYGAERDKALADALALIEKDFGKGSLMRLGER.A.ANQ	49
NTDB id 269 KZH43 RS08665 WP 001085462.1	MAKK.....P...KKLEEISKKFGAEREKALNDALKLIEKDFGKGSSIMRLGER.AEQ	48
NTDB id 228 SPD RS09265 WP 001085462.1	MAKK.....P...KKLEEISKKFGAEREKALNDALKLIEKDFGKGSSIMRLGER.AEQ	48
NTDB id 194 SPR RS08825 WP 001085462.1	MAKK.....P...KKLEEISKKFGAEREKALNDALKLIEKDFGKGSSIMRLGER.AEQ	48
NTDB id 159 SP RS09750 WP 001085462.1	MAKK.....P...KKLEEISKKFGAEREKALNDALKLIEKDFGKGSSIMRLGER.AEQ	48
NTDB id 499 SM12261 RS08315 WP 078228268.1	MAKK.....P...KKLDEISKKFGAEREKALNDALKLIEKDFGKGSSIMRLGER.AEQ	48
NTDB id 527 SMSK321 RS11065 WP 001085454.1	MAKK.....P...KKLDEISKKFGAEREKALNDALKLIEKDFGKGSSIMRLGER.AEQ	48
NTDB id 453 Spy49 1753c ACI62003.1	MAKK.....L...KKNEEITKKFGDERRKALDDALKNIEKDFGKGAVMRLGER.AEQ	48
NTDB id 408 SMU RS09530 WP 002262392.1	MAKR.....I...KKTEEITKKFGDERKKALDDALKNIEKDFGKGAVMRLGER.AEQ	48
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQFGKGSSIMKLGEK.TDT	33
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKNFGKGSSIMRMGEK.VDT	35
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTDAKERSKATETAMSQIEKAFGKGSSIMKLGAE.SKL	47
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDAALKSLDKTFGKGTLILRLGDK.EVE	34
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKKQKATSLAIKQIDKVFSGKALVRLGDK.QVE	36
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKKQKATSLAIKQIDKVFSGKALVRLGDK.QVE	36
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NTDB id 35098 KSED RS08665 WP 373419157.1	MQTRKCRAGINHTGLWEVLRRRWARPTRCEKEVVSMAGKN..NADPNAERTRSLDAVMSQIEKQHGKGAVMRLGDD.TRP	77
NTDB id 1389 A4U84 RS07560 WP 021112712.1	MAEN....KKSSKNNTVV..KQVEPEQKKQALEAALAQIEKQFGKGSSIMKLGGT.EQL	51
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NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEE	35
NTDB id 1427 RS RS02760 WP 011000510.1	MEDG.....KK..AASMSAEKQKALAAALAQIEKQFGKGSSIMKMGDA.EVE	43
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQIEKQFGKGSSIMRLGDN.RAM	34
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQ	34
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQ	34
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKSKALQAALSQIEKQFGKNTVMRLGDN.TVQ	34
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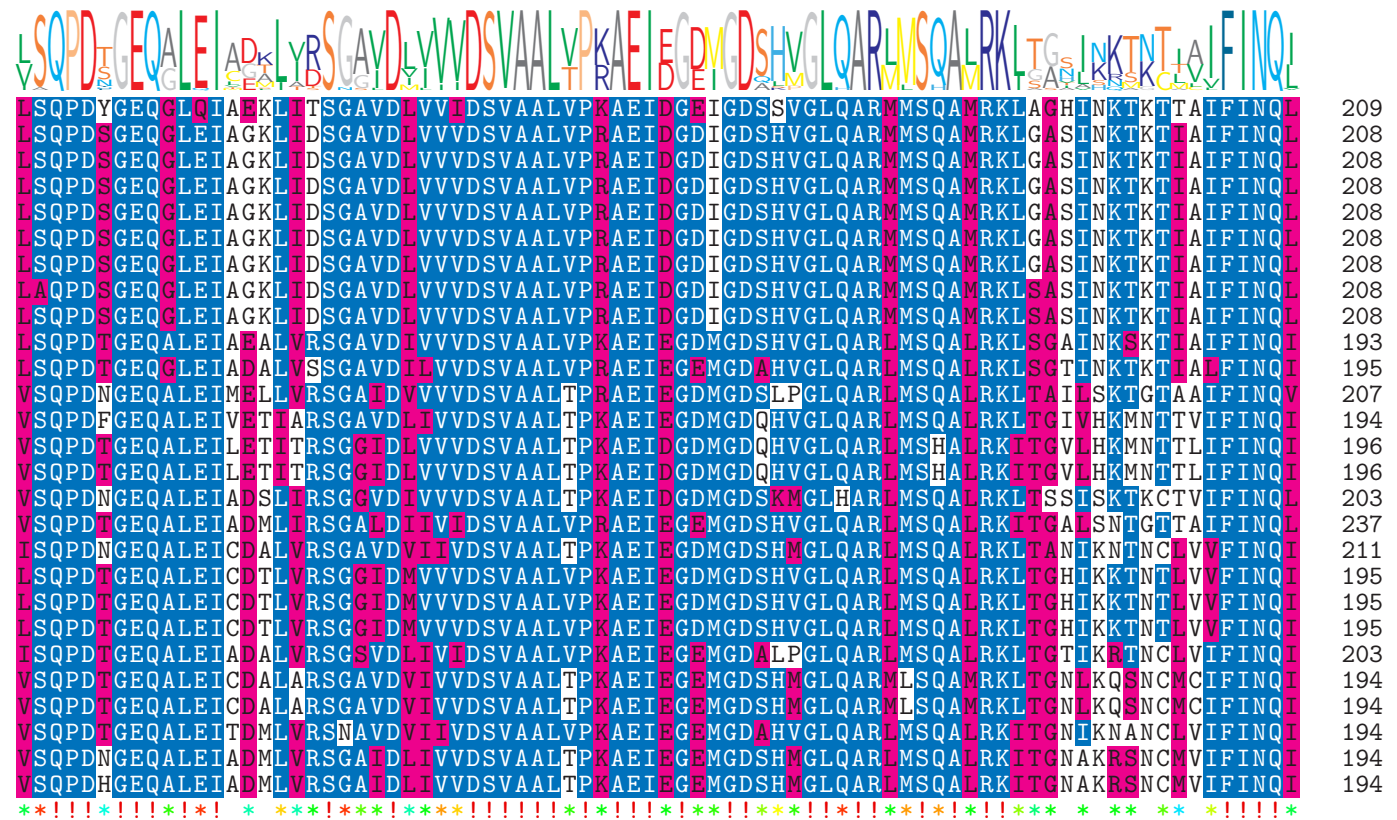
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NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
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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 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
consensus

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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
consensus



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NTDB id 1313 DR RS12030 WP 010888966.1	REKIGVM.YGNPETTTGGRALKFYASVRLDVRKIGQ....PTKVGNDAVANTVKIKTVKNKVAAPFKEVELALVYGKGF	282
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NTDB id 1211 C694 RS00795 WP 000963128.1	RMKIGMMGYGSPETTTGGNALKFYASVRIDIRRIAS....L.KQNEQHIGNRAKAKVVKNKVAPPFREAEFDIMFGEGIS	271
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NTDB id 35098 KSED RS08665 WP 373419157.1	REKIGVM.FGSPETTTGGKALKFYASVRIDVRIET....L.KDGTDAVGNRTRAKITVKNKVSPPFKQAEDDILYGGIS	311
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NTDB id 1123 OK783 RS03845 WP 003688695.1	RMKIGVM.FGSPETTTGGNALKFYSSVRLDIRRTGS....I.KKGEVVLGNETRVKVIKNKVAPPFRQAEDDILYEGIS	269
NTDB id 1427 RS RS02760 WP 011000510.1	RMKIGVM.FGSPETTTGGNALKFYASVRLDIRRIIGS....I.KKGDEVVGNETKVKVVKNKVAPPFREAIIFDILYGAGVS	277
NTDB id 1165 A1552VC RS01565 WP 000344154.1	RMKIGVM.FGNPETTTGGNALKFYASVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKTAAPFKEANTQIMYGGGFN	268
NTDB id 1142 GTF74 RS11550 WP 000344154.1	RMKIGVM.FGNPETTTGGNALKFYASVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKTAAPFKEANTQIMYGGGFN	268
NTDB id 1205 PSJM300 05545 AFN77183.1	RMKIGVM.FGSPETTTGGNALKFYASVRLDIRRTGA....V.KEGDEVVGSETRVKVVKNKVAPPFRQAEFQILYGKGIY	268
NTDB id 1074 ABD1 RS10195 WP 000344167.1	RMKIGVM.FGSPETTTGGNALKFYASVRLDIRRIIGQ....V.KEGDEIVGSETKVKVVKNKMAPPFKEAIFQILYGKGTN	268
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consensus	! !*!*! *! !!*! !! !!!!!*!!*!!*! *	

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NTDB id 115 BSU 16940 NP 389576.2	KEGEIIDLGTELIIQKSGSWSYEEERLQGG	RENAKQFLKENKDIMLMIQEQIREHYGLDNNGVVQQQAEETQEEL.EF	346
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	KEGEIIDYGVKLDIVDKSGAWLSYQDKKLQGG	RENAKALLKEDKALADEITLKI KESIGSNEEIMPLPDEPLEE.....	345
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	QLGELVDLAVQQNIVQKAGAWSYQGNKIGQG	KNNVIRYLEENPQISTEIEAVIREQLLTASDQTAA.HDETE.....E	342
consensus	* * * * *	* * * * ! ! * * * * ! * * ! ! * * * * * * * * * * * * * * * * *	

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NTDB id 269 KZH43 RS08665 WP 001085462.1	.PKKEEA..VNEEVPLDLGDELEIEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	.PKKEEA..VNEEVPLDLGDELEIEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	.PKKEEA..VNEEVPLDLGDELEIEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	.PKKEEA..VNEEVPLDLGDELEIEIEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	.AAQVDS..VNEEVTLDLGDELEIEIEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.VAQVDS..VNEEVTLDLGDELEIEIEE	384
NTDB id 453 Spy49 1753c ACI62003.1	..E.....TDDLALDLDNIEIED..	378
NTDB id 408 SMU RS09530 WP 002262392.1	..ETDEK..ADKNLVLELDDTIELED..	383
NTDB id 115 BSU 16940 NP 389576.2	E.E.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	LPDDST.....EE.....	355
NTDB id 1313 DR RS12030 WP 010888966.1	APE...A..AEA.....	363
NTDB id 1245 Cj1673c YP 002345041.1		343
NTDB id 1211 C694 RS00795 WP 000963128.1	M..E.....	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	M..E.....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1		343
NTDB id 35098 KSED RS08665 WP 373419157.1	APAADEV..EVTF.....	402
NTDB id 1389 A4U84 RS07560 WP 021112712.1	ESDVVEEF..SEEEL.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	...DGER..PEE.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	...DGER..PEE.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	...DGER..PEE.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	D.....	352
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	DVEFGAV..PEEF.....	354
NTDB id 1205 PSJM300 05545 AFN77183.1	DAD..I.....	347
NTDB id 1074 ABD1 RS10195 WP 000344167.1	EPD..LL..LES.....	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	EPD..LL..ES.....	349
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved