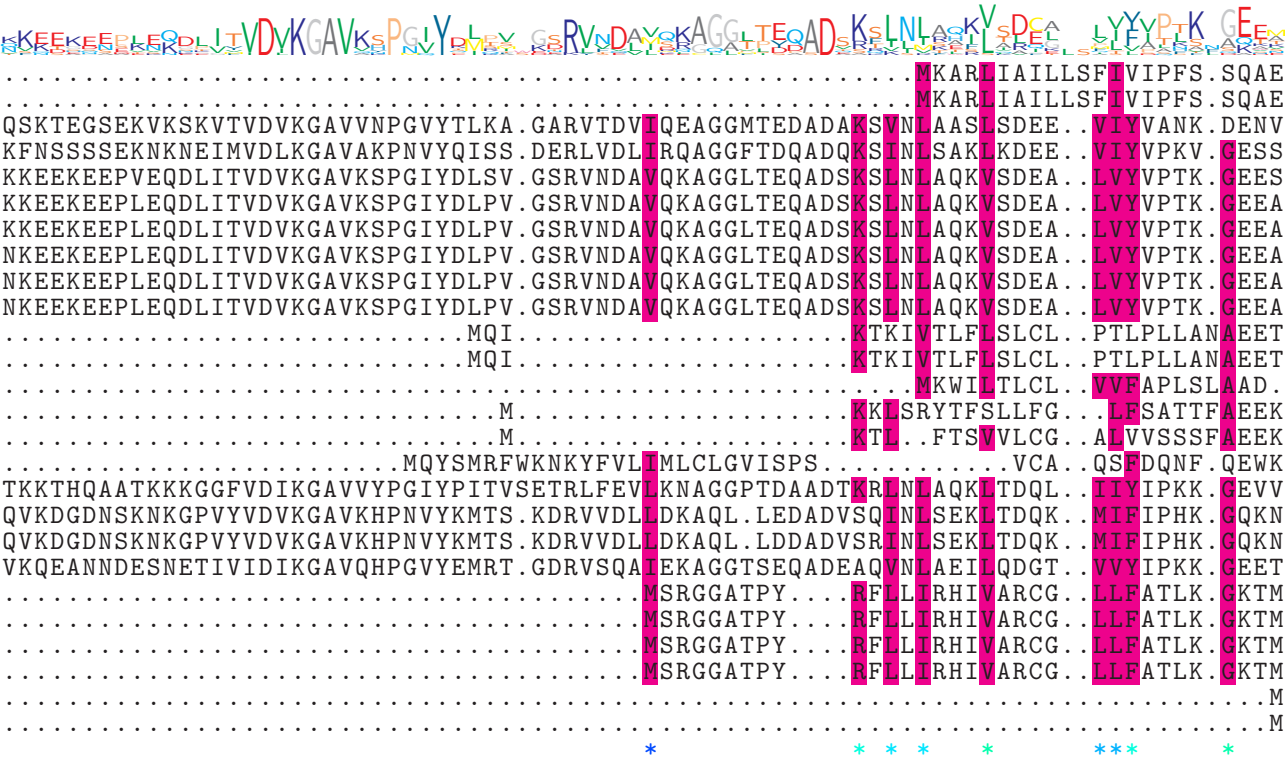


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		MEAIIEKIKYK..IIVICTGLGLLVGGFFLLKPAPQT.PVKETNLQAEVAVSKDSS.....SEKEV	
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NTDB id 300 STER RS07485 WP 011681496.1		MKEKILAYVKDNR..LFVSVIAVLMVIFCFLLWMTCGAGNSMEAETSYTDVTALSTSSSKQSSQSLSEASS	69
NTDB id 595 KW2 RS08725 WP 021037687.1		MEKILDKLKEYW..KIMLLVVCALIAGGIFYIFTNSPK.PAETLSVEN..LSSS..ST.....KSSVS	56
NTDB id 521 SMSK321 RS04960 WP 000443804.1		MESIIEKIKYK..IIVICTGLGLLVGGFFLLKPAPHT.PVKETNLQAEVVAISKDSS.....TEKDV	60
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NTDB id 153 SP RS04730 WP 000387344.1		MEAIIEKIKYK..IIVICTGLGLLVGGFFLLKPAPQT.PVKETNLQAEVAAVSKDSS.....TEKEV	60
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NTDB id 1382 A4U84 RS07375 WP 062924234.1			0
NTDB id 1362 HI 1008 AAC22669.1			0
NTDB id 1069 ABD1 RS03060 WP 043960841.1			0
NTDB id 613 LCA RS05340 WP 231952379.1		MMWQDYWQRYRRFWVPCLVLLGIIAGGFYWHQSQQKQKV....TQNEQL.LAT.....SA.SKTKPA	57
NTDB id 36 MW RS08230 WP 001793467.1		MVLLYQFLLRYKDFLTQWKLYI...ISAVVLIMVLIGFIFWRQDDYTSRN...FENKDNALKQSTSENSSL.SKVEDV	71
NTDB id 20 SA RS08005 WP 001802022.1		MVLLYQFLLRYKDFLTQWKLYI...ISAVVLIMVLIGFIFWRQDDYTSRN...FENKDTALKQSTSENNSL.SKLEDV	71
NTDB id 105 BSU 25590 NP 390437.1		MNWLNQHKKAI....ILAASAAVFTAIMIFLATG....KN....KE....PVKQAVPT....ETENTV	48
NTDB id 1127 NGFG RS10560 WP 003703428.1			0
NTDB id 1126 NGFG RS09375 WP 003703428.1			0
NTDB id 1125 NGFG RS07215 WP 003703428.1			0
NTDB id 1108 NGFG RS06525 WP 003703428.1			0
NTDB id 223621 CHELV3228 RS06555 WP 082200224.1			0
NTDB id 1242 Cj0011c YP 002343483.1			0
consensus			

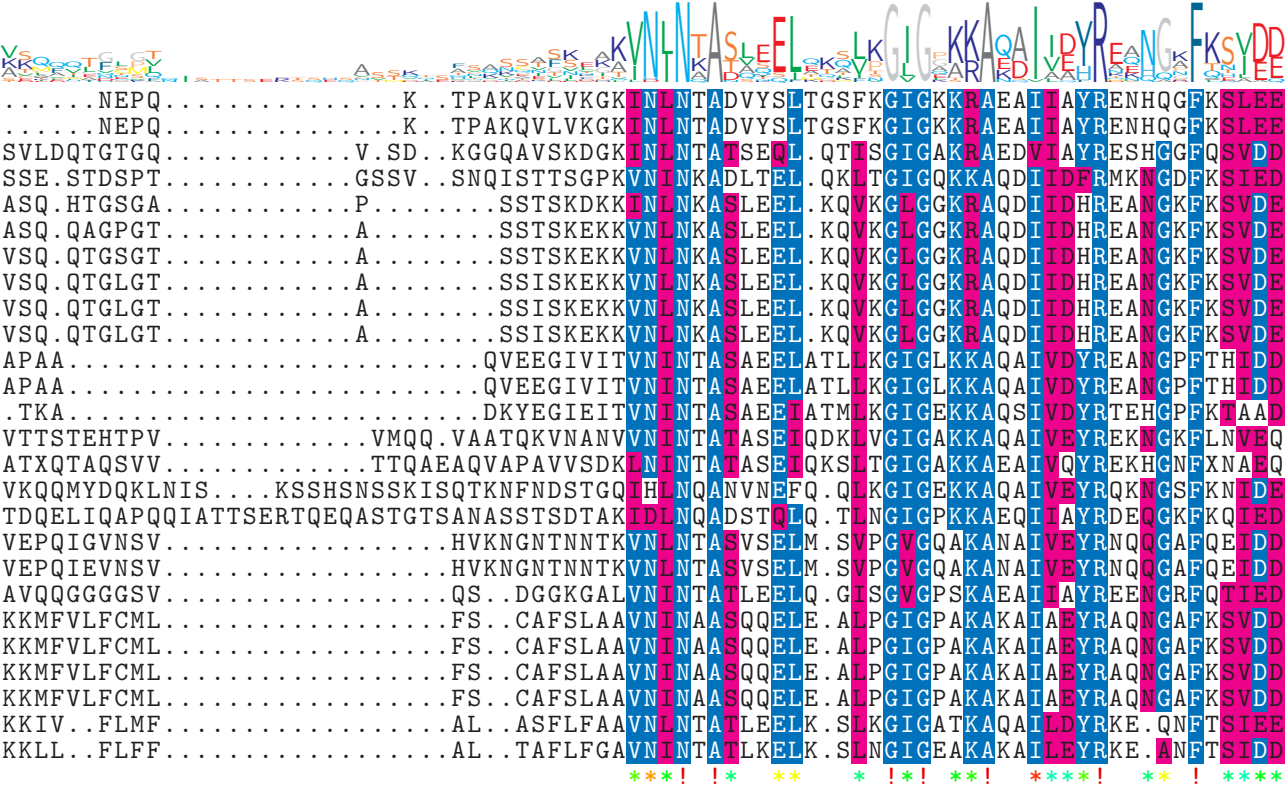
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NTDB id 1272 LPP RS04360 WP 010946546.1	MKARLIAILLSFIVIPFS.SQAE	22
NTDB id 1249 GC085 RS04230 WP 010946546.1	MKARLIAILLSFIVIPFS.SQAE	22
NTDB id 300 STER RS07485 WP 011681496.1	QSKTEGSEKVKSKVTVDVKGAVVNPVGVIYTLKA.GARVTDVTQEAGGMTEADAKSVNLAASLSDEE..VIYVANK.DENV	145
NTDB id 595 KW2 RS08725 WP 021037687.1	KFNSSSSEKNKNEIMVDLKGAVAKPNVYQISS.DERLVDLIRQAGGFTDQADQKSINLSAKLKDEE..VIYVPAKV.GESS	132
NTDB id 521 SMSK321 RS04960 WP 000443804.1	KKEEKEEPVEQDLITVDVKGAVKSPGIYDLSV.GSRVNDVQKAGGLTEQADSLSNLAQKVSDEA..LVYVPTK.GEES	136
NTDB id 493 SM12261 RS04300 WP 000387351.1	KKEEKEEPLEQDLITVDVKGAVKSPGIYDLPV.GSRVNDVQKAGGLTEQADSLSNLAQKVSDEA..LVYVPTK.GEEA	136
NTDB id 153 SP RS04730 WP 000387344.1	KKEEKEEPLEQDLITVDVKGAVKSPGIYDLPV.GSRVNDVQKAGGLTEQADSLSNLAQKVSDEA..LVYVPTK.GEEA	136
NTDB id 263 KZH43 RS04195 WP 000387330.1	NKEEKEEPLEQDLITVDVKGAVKSPGIYDLPV.GSRVNDVQKAGGLTEQADSLSNLAQKVSDEA..LVYVPTK.GEEA	136
NTDB id 222 SPD RS04535 WP 000387330.1	NKEEKEEPLEQDLITVDVKGAVKSPGIYDLPV.GSRVNDVQKAGGLTEQADSLSNLAQKVSDEA..LVYVPTK.GEEA	136
NTDB id 188 SPR RS04295 WP 000387330.1	NKEEKEEPLEQDLITVDVKGAVKSPGIYDLPV.GSRVNDVQKAGGLTEQADSLSNLAQKVSDEA..LVYVPTK.GEEA	136
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	MQI.....KTKIVTLFLSLCL..PTLPLLANAET	28
NTDB id 1150 A1552VC RS08580 WP 001166105.1	MQI.....KTKIVTLFLSLCL..PTLPLLANAET	28
NTDB id 1294 VP RS04495 WP 021449594.1	MKWILTLC..VVFAPLSLAAD.	20
NTDB id 1382 A4U84 RS07375 WP 062924234.1	M.....KKSRYTFSLLFG..LFSATTFAEEK	25
NTDB id 1362 HI 1008 AAC22669.1	M.....KTL..FTSVVLCG..ALVVSSSFAEEK	24
NTDB id 1069 ABD1 RS03060 WP 043960841.1	MQYSMRFWKNKYFVLTMLCLGVISPS.....VCA..QSFDQNF.QEWK	40
NTDB id 613 LCA RS05340 WP 231952379.1	TKKTHQAATKKKGGFVDIKGAVVYPGIYPITVSETRLFVKNAGGPTDAADTKRINLAQKLTQDL..IIYIPKK.GEVV	134
NTDB id 36 MW RS08230 WP 001793467.1	QVKDGDNSKNKGPVYVDVKGAVKHPNVYKMTS.KDRVVDLIDKAQL.LEDADVSRINLSEKLTQDK..MIFIPHK.GQKN	146
NTDB id 20 SA RS08005 WP 001802022.1	QVKDGDNSKNKGPVYVDVKGAVKHPNVYKMTS.KDRVVDLIDKAQL.LDDADVSRINLSEKLTQDK..MIFIPHK.GQKN	146
NTDB id 105 BSU 25590 NP 390437.1	VKQEANNDESNETIVIDIKGAVQHPGVYEMRT.GDRVSQATEKAGGTSEQADEAQVNLAEILQDGT..VVYIPKK.GEET	124
NTDB id 1127 NGFG RS10560 WP 003703428.1	MSRGGATPY....RFLLRHIVARCG..LLFATLK.GKTM	33
NTDB id 1126 NGFG RS09375 WP 003703428.1	MSRGGATPY....RFLLRHIVARCG..LLFATLK.GKTM	33
NTDB id 1125 NGFG RS07215 WP 003703428.1	MSRGGATPY....RFLLRHIVARCG..LLFATLK.GKTM	33
NTDB id 1108 NGFG RS06525 WP 003703428.1	MSRGGATPY....RFLLRHIVARCG..LLFATLK.GKTM	33
NTDB id 223621 CHELV3228 RS06555 WP 082200224.1	M	1
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NTDB id 1108 NGFG RS06525 WP 003703428.1
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NTDB id 1242 Cj0011c YP 002343483.1
consensus



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NTDB id 300 STER RS07485 WP 011681496.1	LKNVSGIGDKTLDKTRISLYVA.....	231
NTDB id 595 KW2 RS08725 WP 021037687.1	LGKVSFGFGDKTLEKLKDEISID.....	218
NTDB id 521 SMSK321 RS04960 WP 000443804.1	LKKVSGIGAKTIEKLKDYVTVD.....	216
NTDB id 493 SM12261 RS04300 WP 000387351.1	LKKVSGIGAKTIEKLKDYVTVD.....	216
NTDB id 153 SP RS04730 WP 000387344.1	LKKVSGIGGKTIEKLKDYVTVD.....	216
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NTDB id 1159 ABDM36 RS04765 WP 001166105.1	LTNVKGIGEATVRNNAARILL.....	103
NTDB id 1150 A1552VC RS08580 WP 001166105.1	LTNVKGIGEATVRNNAARILL.....	103
NTDB id 1294 VP RS04495 WP 021449594.1	LTNVKGIGEATIKKNEDRILL.....	94
NTDB id 1382 A4U84 RS07375 WP 062924234.1	LTEVSGIGKATLEKNRDCIVIE.....	113
NTDB id 1362 HI 1008 AAC22669.1	LLEVQGIGKATLEKNRDRITIF.....	112
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NTDB id 1108 NGFG RS06525 WP 003703428.1	LIKVKGIGPAVLAKLKDQASVGAPAPKGPAPVLPVAVKK	131
NTDB id 223621 CHELV3228 RS06555 WP 082200224.1	LKKVKGIGDKTFEETKDSITVE.....	79
NTDB id 1242 Cj0011c YP 002343483.1	LKKVKGIGDKLFEKIKNDITIE.....	79
consensus	* * ! * ! * * * * * * * *	

- X non conserved
- X similar
- X $\geq 50\%$ conserved