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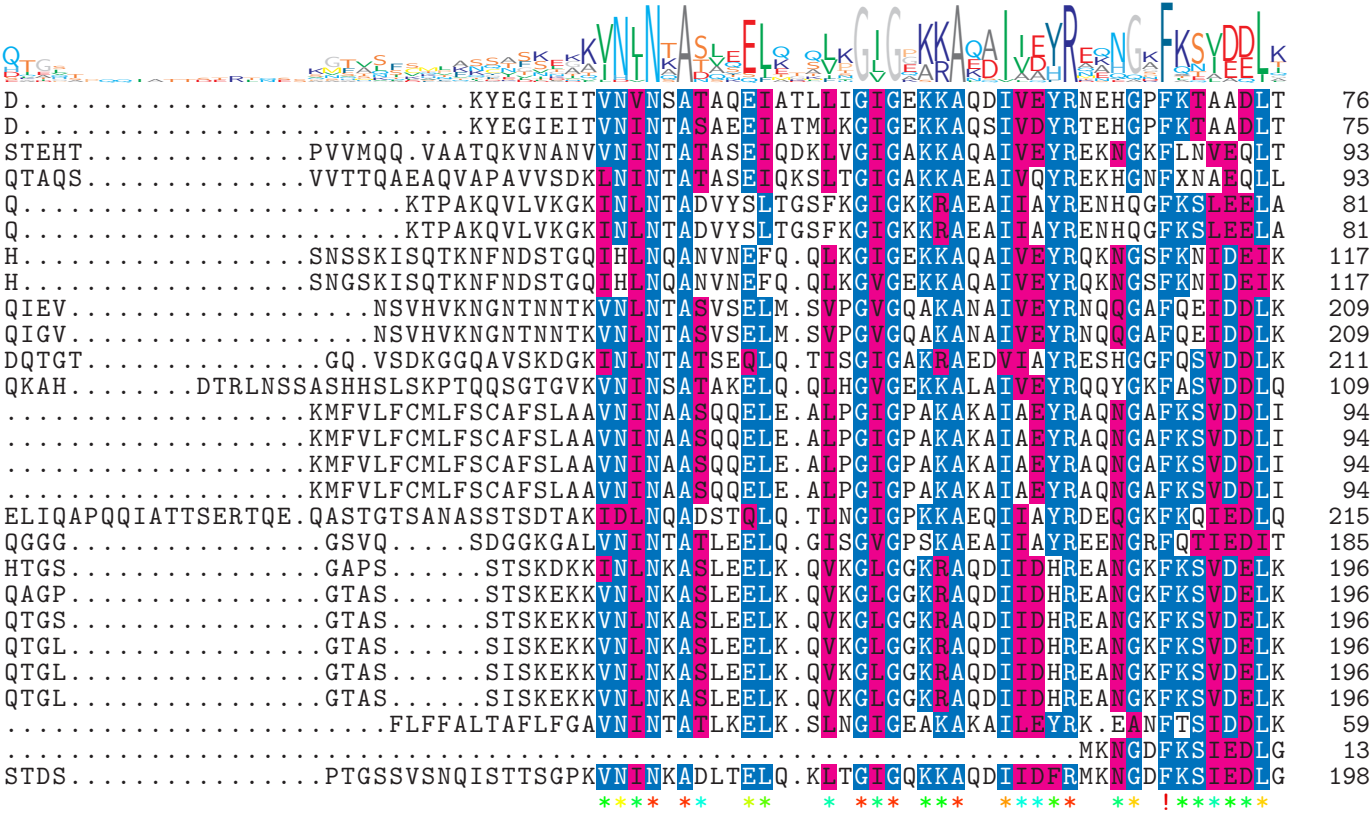
NTDB id 1395 DSB67 RS04445 WP 010649155.1	MKWM.....	4
NTDB id 1294 VP RS04495 WP 021449594.1	MKWI.....	4
NTDB id 1382 A4U84 RS07375 WP 062924234.1	MKKLSRYTF.....	9
NTDB id 1362 HI 1008 AAC22669.1	MKTL...FTS.....	7
NTDB id 1272 LPP RS04360 WP 010946546.1		0
NTDB id 1249 GC085 RS04230 WP 010946546.1		0
NTDB id 1069 ABD1 RS03060 WP 043960841.1	...MQYSMRF..WKNKYFVLIMLCLGVISPSVCAQS.....	31
NTDB id 1041 HON27 RS14740 WP 005124713.1	...MQYSMRF..WKNKYFLLIMLCLGVISPSVCAQS.....	31
NTDB id 20 SA RS08005 WP 001802022.1	MVLLYQFLLRYKDFLTQWKLYIISAVVLIMVLIGFIFWRQDDYTSRN....FENKDTALKQSTSE.NNSLSKLEDVQVK	74
NTDB id 36 MW RS08230 WP 001793467.1	MVLLYQFLLRYKDFLTQWKLYIISAVVLIMVLIGFIFWRQDDYTSRN....FENKDNALKQSTSE.NSSLSKVEDVQVK	74
NTDB id 300 STER RS07485 WP 011681496.1	..MK....EKILAYVKDNRLF.VSVIAVLMVIFCFLLWMTCGAGNSMEAETSYPDVT.ALSTSSSKQSSQSLSEASSQSK	72
NTDB id 1014 ACIAD RS13855 WP 004924483.1	MSI.RHFFTFFWA.TLL.....	15
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 613 LCA RS05340 WP 231952379.1	.MMW....QDYWQRYRRFWW..VPCLVLLGIIAGGFYW.HQSQQKQKVT...QNEQ.LLA.....TSAS.KTKPATKK	60
NTDB id 105 BSU 25590 NP 390437.1	MNWLNQHKKK.IILAASAAVFTAIMIFLATGKNKEPVKQAV.....PTETENTVVKQ	51
NTDB id 521 SMSK321 RS04960 WP 000443804.1	...M....ESIIEKIKEYKII.VICTGL.GLLVGG.FFLLKPAPHTPVKETNLQAEV.VAI.....SKDSSTEKDVKKE	63
NTDB id 493 SM12261 RS04300 WP 000387351.1	...M....EAIIEKIKEYKII.VICTGL.GLLVGG.FFLLKPAPQTPVKETNLQAEV.VAV.....SKDSVSEKEVKKE	63
NTDB id 153 SP RS04730 WP 000387344.1	...M....EAIIEKIKEYKII.VICTGL.GLLVGG.FFLLKPAPQTPVKETNLQAEV.AAV.....SKDSSTEKEVKKE	63
NTDB id 263 KZH43 RS04195 WP 000387330.1	...M....EAIIEKIKEYKII.VICTGL.GLLVGG.FFLLKPAPQTPVKETNLQAEV.AAV.....SKDLVSEKEVNKE	63
NTDB id 222 SPD RS04535 WP 000387330.1	...M....EAIIEKIKEYKII.VICTGL.GLLVGG.FFLLKPAPQTPVKETNLQAEV.AAV.....SKDLVSEKEVNKE	63
NTDB id 188 SPR RS04295 WP 000387330.1	...M....EAIIEKIKEYKII.VICTGL.GLLVGG.FFLLKPAPQTPVKETNLQAEV.AAV.....SKDLVSEKEVNKE	63
NTDB id 1242 Cj0011c YP 002343483.1		0
NTDB id 182838 LL158 RS08650 WP 228764031.1		0
NTDB id 595 KW2 RS08725 WP 021037687.1	...M....EKILDKLKEYWKI.MLLVVC.ALIAGG.IFYIFTNSPKPAETLSVEN...LSS.....S...STKSSVSKFN	59
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NTDB id 1395 DSB67 RS04445 WP 010649155.1	ITLCL..LILAPMSWAETKTKA	24
NTDB id 1294 VP RS04495 WP 021449594.1	ITLCL..VVFAPLSLAA.DTKA	23
NTDB id 1382 A4U84 RS07375 WP 062924234.1	SLLFG...LFSATTFAEEKVTT	28
NTDB id 1362 HI 1008 AAC22669.1	VVLFG...ALVVSSSFEEKATX	27
NTDB id 1272 LPP RS04360 WP 010946546.1	MKARLIAILLSFIVIPFSSQAEN.EP	25
NTDB id 1249 GC085 RS04230 WP 010946546.1	MKARLIAILLSFIVIPFSSQAEN.EP	25
NTDB id 1069 ABD1 RS03060 WP 043960841.1	FDQNFQEWK...KQQMYDQK...LNI.SKSS.....	56
NTDB id 1041 HON27 RS14740 WP 005124713.1	FDQNFQEWKA...KQQMYDQK...LNI.TKSS.....	56
NTDB id 20 SA RS08005 WP 001802022.1	DGDNSKNKGPVYVDVKGAVKHPNVYKMTSK.DRVVDLLDKAQ.LLDDADVSRINLSEKLTQK..MIFIPHKGQKNV.EP	149
NTDB id 36 MW RS08230 WP 001793467.1	DGDNSKNKGPVYVDVKGAVKHPNVYKMTSK.DRVVDLLDKAQ.LLEDADVSRINLSEKLTQK..MIFIPHKGQKNV.EP	149
NTDB id 300 STER RS07485 WP 011681496.1	TEGSEKVKSKVTVDVKGAVVNPVGYTLKAG.ARVTDVIEAGGMTEDADAKSVNLAASLSDEE..VIYVANKDENVS.VL	148
NTDB id 1014 ACIAD RS13855 WP 004924483.1	TLFSMQIVFAQGFDQQYDAW.....K.....TQ	38
NTDB id 1127 NGFG RS10560 WP 003703428.1	MSRGGATPY...RFLLRHIVARCG..LLFATLKGKTMK...	34
NTDB id 1126 NGFG RS09375 WP 003703428.1	MSRGGATPY...RFLLRHIVARCG..LLFATLKGKTMK...	34
NTDB id 1125 NGFG RS07215 WP 003703428.1	MSRGGATPY...RFLLRHIVARCG..LLFATLKGKTMK...	34
NTDB id 1108 NGFG RS06525 WP 003703428.1	MSRGGATPY...RFLLRHIVARCG..LLFATLKGKTMK...	34
NTDB id 613 LCA RS05340 WP 231952379.1	THQAATKKKGGFVDIKGAVVYPGIYPITVSETRLFVCLKNAGGPTDAADTKRLNLAQKLTQDL..IIYIPKKGEVVT.DQ	137
NTDB id 105 BSU 25590 NP 390437.1	EANNDESNETIVIDIKGAVQHPGVYEMRTG.DRVSQLAEKAGGTSEQADEAQVNLAELQDGT..VVYIPKKGEETA.VQ	127
NTDB id 521 SMSK321 RS04960 WP 000443804.1	EKEEPVEQDLITVDVKGAVKSPGIYDLVSG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEEA.SQ	139
NTDB id 493 SM12261 RS04300 WP 000387351.1	EKEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEEA.SQ	139
NTDB id 153 SP RS04730 WP 000387344.1	EKEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEEA.SQ	139
NTDB id 263 KZH43 RS04195 WP 000387330.1	EKEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEEA.SQ	139
NTDB id 222 SPD RS04535 WP 000387330.1	EKEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEEA.SQ	139
NTDB id 188 SPR RS04295 WP 000387330.1	EKEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEEA.SQ	139
NTDB id 1242 Cj0011c YP 002343483.1	MKK....LL.....	5
NTDB id 182838 LL158 RS08650 WP 228764031.1		0
NTDB id 595 KW2 RS08725 WP 021037687.1	SSSSEKNKNEIMVDLKGAVAKPNVYQISSD.ERLVDLIRQAGGFTDQADQKSLNLSAKLKDEE..VIYVPKVGESSS.SE	135
consensus	* * *	

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NTDB id 1395 DSB67 RS04445 WP 010649155.1
NTDB id 1294 VP RS04495 WP 021449594.1
NTDB id 1382 A4U84 RS07375 WP 062924234.1
NTDB id 1362 HI 1008 AAC22669.1
NTDB id 1272 LPP RS04360 WP 010946546.1
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NTDB id 1069 ABD1 RS03060 WP 043960841.1
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NTDB id 20 SA RS08005 WP 001802022.1
NTDB id 36 MW RS08230 WP 001793467.1
NTDB id 300 STER RS07485 WP 011681496.1
NTDB id 1014 ACIAD RS13855 WP 004924483.1
NTDB id 1127 NGFG RS10560 WP 003703428.1
NTDB id 1126 NGFG RS09375 WP 003703428.1
NTDB id 1125 NGFG RS07215 WP 003703428.1
NTDB id 1108 NGFG RS06525 WP 003703428.1
NTDB id 613 LCA RS05340 WP 231952379.1
NTDB id 105 BSU 25590 NP 390437.1
NTDB id 521 SMSK321 RS04960 WP 000443804.1
NTDB id 493 SM12261 RS04300 WP 000387351.1
NTDB id 153 SP RS04730 WP 000387344.1
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NTDB id 222 SPD RS04535 WP 000387330.1
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NTDB id 182838 LL158 RS08650 WP 228764031.1
NTDB id 595 KW2 RS08725 WP 021037687.1
consensus



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NTDB id 1395 DSB67 RS04445 WP 010649155.1	KVKGIGEATVRKNEDRILL	95
NTDB id 1294 VP RS04495 WP 021449594.1	NVKGIGEATIKKNEDRILL	94
NTDB id 1382 A4U84 RS07375 WP 062924234.1	EVSGIGKATLEKNRDCIVIE	113
NTDB id 1362 HI 1008 AAC22669.1	EVQGIGKATLEKNRDRIF	112
NTDB id 1272 LPP RS04360 WP 010946546.1	EVKGIGQRFVDKNREKLKEIFVIN	105
NTDB id 1249 GC085 RS04230 WP 010946546.1	EVKGIGQRFVDKNREKLKEIFVIN	105
NTDB id 1069 ABD1 RS03060 WP 043960841.1	NVKGIGPAIFEKKNKSRLAL	136
NTDB id 1041 HON27 RS14740 WP 005124713.1	NVKGIGPAIFEKKNKSRLAL	136
NTDB id 20 SA RS08005 WP 001802022.1	KVKGFGSKTFDKLKSIFTI	228
NTDB id 36 MW RS08230 WP 001793467.1	KVKGFGSKTFDKLKSIFTI	228
NTDB id 300 STER RS07485 WP 011681496.1	NVSGIGDKTLDKIRESLYVA	231
NTDB id 1014 ACIAD RS13855 WP 004924483.1	KVKGIGPKFIEKNRDLAI	128
NTDB id 1127 NGFG RS10560 WP 003703428.1	KVKGIGPAVLAKLKDQASVGAPAPKGPAPVLPVAVKK	131
NTDB id 1126 NGFG RS09375 WP 003703428.1	KVKGIGPAVLAKLKDQASVGAPAPKGPAPVLPVAVKK	131
NTDB id 1125 NGFG RS07215 WP 003703428.1	KVKGIGPAVLAKLKDQASVGAPAPKGPAPVLPVAVKK	131
NTDB id 1108 NGFG RS06525 WP 003703428.1	KVKGIGPAVLAKLKDQASVGAPAPKGPAPVLPVAVKK	131
NTDB id 613 LCA RS05340 WP 231952379.1	KVGGIGPKTFEQLQSQTICVN	235
NTDB id 105 BSU 25590 NP 390437.1	KVSGIGEKSFEEKIKSSITVK	205
NTDB id 521 SMSK321 RS04960 WP 000443804.1	KVSGIGAKTIEKLKDYVTVD	216
NTDB id 493 SM12261 RS04300 WP 000387351.1	KVSGIGAKTIEKLKDYVTVD	216
NTDB id 153 SP RS04730 WP 000387344.1	KVSGIGGKTIEKLKDYVTVD	216
NTDB id 263 KZH43 RS04195 WP 000387330.1	KVSGIGGKTIEKLKDYVTVD	216
NTDB id 222 SPD RS04535 WP 000387330.1	KVSGIGGKTIEKLKDYVTVD	216
NTDB id 188 SPR RS04295 WP 000387330.1	KVSGIGGKTIEKLKDYVTVD	216
NTDB id 1242 Cj0011c YP 002343483.1	KVKGIGDKLFEKIKNDITIE	79
NTDB id 182838 LL158 RS08650 WP 228764031.1	KVSGFGDKTLEKLKDEISID	33
NTDB id 595 KW2 RS08725 WP 021037687.1	KVSGFGDKTLEKLKDEISID	218
consensus	*! !*! ***** * *	

- [X] non conserved
- [X] similar
- [X] ≥ 50% conserved