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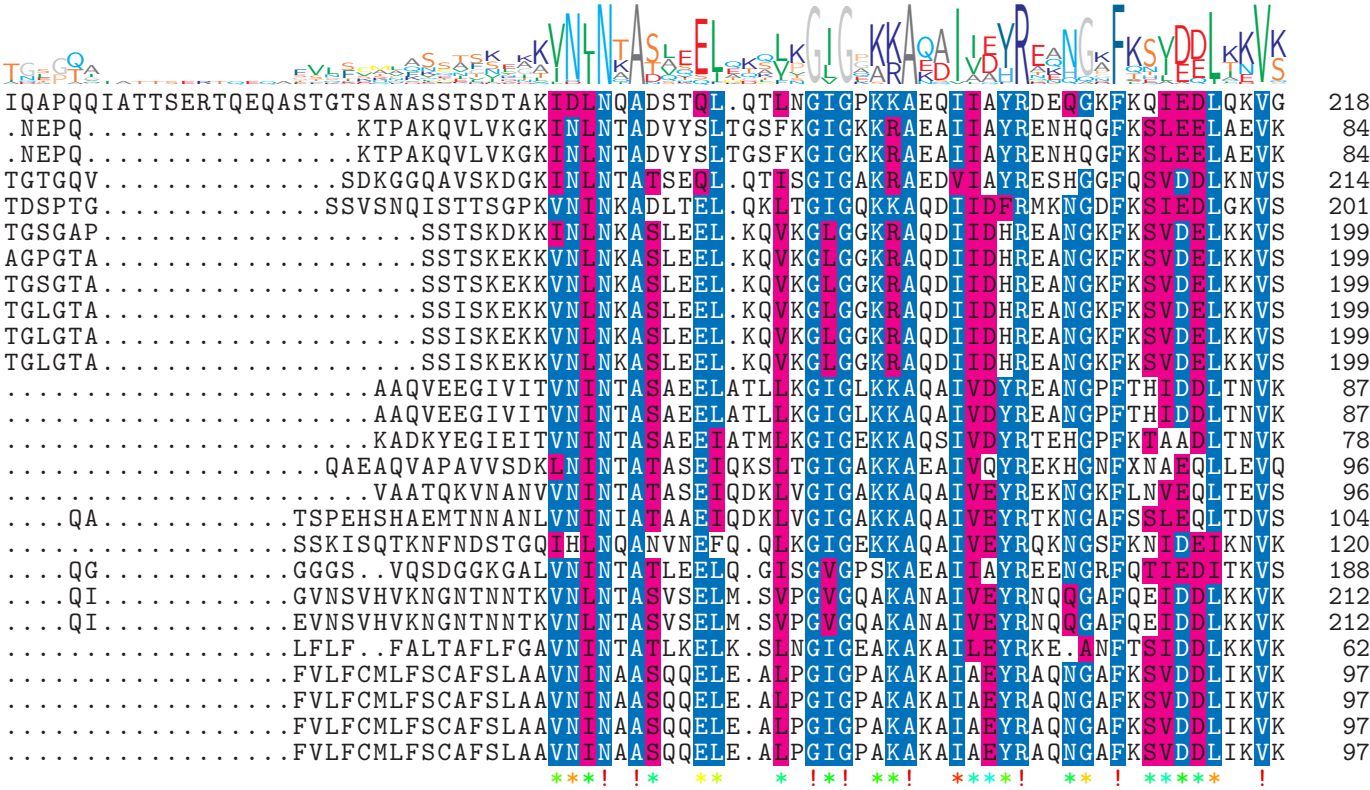
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NTDB id 613 LCA RS05340 WP 231952379.1	.MMWQDYWQRYRRF	...WWVPCLVLLGIIAGG	.FYWHQSQQKQKVTQ	...NEQLLATSASKT	61
NTDB id 1272 LPP RS04360 WP 010946546.1	.....	.....	.....	.....	0
NTDB id 1249 GC085 RS04230 WP 010946546.1	.....	.....	.....	.....	0
NTDB id 300 STER RS07485 WP 011681496.1	..MKEKILAYVKDN	...RLFVSVIAVLMVIFCFFLWMT	CGAGNSMEAETSYTDVTALSTSSSKQSSQSLSEASSQSKT	.....	73
NTDB id 595 KW2 RS08725 WP 021037687.1	...MEKILDKLKEY	...WKIMLLVVCALIAGGIFYIFTNSPK	.PAETLSVEN..LSSS..ST	KSSVSKFNS	60
NTDB id 521 SMSK321 RS04960 WP 000443804.1	...MESIIEKIKEY	...KIIIVICTGLGLLVGGFFLLKPAPHT	.PVKETNLQAEVVAISKDSS	TEKDVKKKEE	64
NTDB id 493 SM12261 RS04300 WP 000387351.1	...MEAIIEKIKEY	...KIIIVICTGLGLLVGGFFLLKPAPQT	.PVKETNLQAEVVAVSKDSV	SEKEVKKEE	64
NTDB id 153 SP RS04730 WP 000387344.1	...MEAIIEKIKEY	...KIIIVICTGLGLLVGGFFLLKPAPQT	.PVKETNLQAEVAAVSKDSS	TEKEVKKEE	64
NTDB id 263 KZH43 RS04195 WP 000387330.1	...MEAIIEKIKEY	...KIIIVICTGLGLLVGGFFLLKPAPQT	.PVKETNLQAEVAAVSKDLV	SEKEVNKEE	64
NTDB id 222 SPD RS04535 WP 000387330.1	...MEAIIEKIKEY	...KIIIVICTGLGLLVGGFFLLKPAPQT	.PVKETNLQAEVAAVSKDLV	SEKEVNKEE	64
NTDB id 188 SPR RS04295 WP 000387330.1	...MEAIIEKIKEY	...KIIIVICTGLGLLVGGFFLLKPAPQT	.PVKETNLQAEVAAVSKDLV	SEKEVNKEE	64
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	.....	.....	.....MQ	.....	2
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....	.....	.....MQ	.....	2
NTDB id 1294 VP RS04495 WP 021449594.1	.....	.....	.....	.....	0
NTDB id 1362 HI 1008 AAC22669.1	.....	.....	.....MK	.....	2
NTDB id 1382 A4U84 RS07375 WP 062924234.1	.....	.....	.....MK	.....	2
NTDB id 1459 ASU2 RS10590 WP 015674357.1	.....	.....	.....MK	.....	2
NTDB id 1069 ABD1 RS03060 WP 043960841.1	.....	.....MQYSMRFWKNKYFVL	.....	.....	15
NTDB id 105 BSU 25590 NP 390437.1	.....	.....MNWLNQHKKAILAASA	AVFTAIMIFLATG....KNKE....PVKQAVPT	ETENTVVKQE	52
NTDB id 36 MW RS08230 WP 001793467.1	MVLLYQFLLRYKDFLTQWKLYIISAVVLIMVLIGFIFWRQDDYTSRNFENKDNALKQSTSENS	.....	.....SLSKVEDVQVKD	.....	75
NTDB id 20 SA RS08005 WP 001802022.1	MVLLYQFLLRYKDFLTQWKLYIISAVVLIMVLIGFIFWRQDDYTSRNFENKDTALKQSTSENN	.....	.....SLSKLEDVQVKD	.....	75
NTDB id 1242 Cj0011c YP 002343483.1	.....	.....	.....	.....	0
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
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NTDB id 613 LCA RS05340 WP 231952379.1	HQAATKKKGGFVDIKGAVVYPGIYPITVSETRLFEVLKNAGGPTDAADTKRLNLAQKLT	139
NTDB id 1272 LPP RS04360 WP 010946546.1	MKARLIAILLSFIVIPFSSQAE.....	22
NTDB id 1249 GC085 RS04230 WP 010946546.1	MKARLIAILLSFIVIPFSSQAE.....	22
NTDB id 300 STER RS07485 WP 011681496.1	EGSEKVKSKVTVDVKGAVVNP	150
NTDB id 595 KW2 RS08725 WP 021037687.1	SSSEKNKNEIMVDLKGAVAKPNVYQISSD.ERLVDLIRQAGGFTDQADQKSINLSAKLKDEE..VIYVANKDENVS	136
NTDB id 521 SMSK321 RS04960 WP 000443804.1	KEEPVEQDLITVDVKGAVKSPGIYDLSVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEESASQ.H	140
NTDB id 493 SM12261 RS04300 WP 000387351.1	KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEESASQ.Q	140
NTDB id 153 SP RS04730 WP 000387344.1	KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEESASQ.Q	140
NTDB id 263 KZH43 RS04195 WP 000387330.1	KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEESASQ.Q	140
NTDB id 222 SPD RS04535 WP 000387330.1	KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEESASQ.Q	140
NTDB id 188 SPR RS04295 WP 000387330.1	KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEA..LVYVPTKGEESASQ.Q	140
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	..IKTKIVTLFSLCLPTLPLLANAEE.....TAP.....	30
NTDB id 1150 A1552VC RS08580 WP 001166105.1	..IKTKIVTLFSLCLPTLPLLANAEE.....TAP.....	30
NTDB id 1294 VP RS04495 WP 021449594.1	MKWILTLCVVFAPLSLAAD.....T.....	21
NTDB id 1362 HI 1008 AAC22669.1	..TL....FTSVVLCGALVVSSSFAEE.....KATXQT..AQSV.VTT.....	36
NTDB id 1382 A4U84 RS07375 WP 062924234.1	..KLSR..YTFSLLFG.LFSATTFEE.....KVTTST...EHTPVVMQ.....	39
NTDB id 1459 ASU2 RS10590 WP 015674357.1	..TPSK..LGLSLIG.MLSTGVLAEE.....KTKPSV..TEPTPVVQNA.....	40
NTDB id 1069 ABD1 RS03060 WP 043960841.1	IMLCLGVISPSVCAQS.....F.....DQNFQEWKVKQMYDQK..LNIS.KSSHSN.....	59
NTDB id 105 BSU 25590 NP 390437.1	ANNDESNETIVIDIKGAVQHPGVYEMRTG.DRVSAIEKAGGTSEQADEAQVNLAEILQDGT..VVYIPKKGEETAVQ..	127
NTDB id 36 MW RS08230 WP 001793467.1	GDNSKNKGPVYVDVKGAVKHPNVYKMTSK.DRVVDLLDKAQ.LLEDADVSQINLSEKLTQDK..MIFIPHKGQKNVEP..	149
NTDB id 20 SA RS08005 WP 001802022.1	GDNSKNKGPVYVDVKGAVKHPNVYKMTSK.DRVVDLLDKAQ.LLEDADVSQINLSEKLTQDK..MIFIPHKGQKNVEP..	149
NTDB id 1242 Cj0011c YP 002343483.1	MKKL..	4
NTDB id 1127 NGFG RS10560 WP 003703428.1	MSRGA..TP..YRFL.....LIRHIVARCG..LLFATLKGKTMKKM..	36
NTDB id 1126 NGFG RS09375 WP 003703428.1	MSRGA..TP..YRFL.....LIRHIVARCG..LLFATLKGKTMKKM..	36
NTDB id 1125 NGFG RS07215 WP 003703428.1	MSRGA..TP..YRFL.....LIRHIVARCG..LLFATLKGKTMKKM..	36
NTDB id 1108 NGFG RS06525 WP 003703428.1	MSRGA..TP..YRFL.....LIRHIVARCG..LLFATLKGKTMKKM..	36
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NTDB id 613 LCA RS05340 WP 231952379.1
NTDB id 1272 LPP RS04360 WP 010946546.1
NTDB id 1249 GCO85 RS04230 WP 010946546.1
NTDB id 300 STER RS07485 WP 011681496.1
NTDB id 595 KW2 RS08725 WP 021037687.1
NTDB id 521 SMSK321 RS04960 WP 000443804.1
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NTDB id 263 KZH43 RS04195 WP 000387330.1
NTDB id 222 SPD RS04535 WP 000387330.1
NTDB id 188 SPR RS04295 WP 000387330.1
NTDB id 1159 ABDM36 RS04765 WP 001166105.1
NTDB id 1150 A1552VC RS08580 WP 001166105.1
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NTDB id 1242 Cj0011c YP 002343483.1
NTDB id 1127 NGFG RS10560 WP 003703428.1
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NTDB id 1125 NGFG RS07215 WP 003703428.1
NTDB id 1108 NGFG RS06525 WP 003703428.1
consensus



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NTDB id 613 LCA RS05340 WP 231952379.1	GIGPKTTFEQLQSQICVN.....	235
NTDB id 1272 LPP RS04360 WP 010946546.1	GIGQRFVDKNREKLKEIFVIN.....	105
NTDB id 1249 GC085 RS04230 WP 010946546.1	GIGQRFVDKNREKLKEIFVIN.....	105
NTDB id 300 STER RS07485 WP 011681496.1	GIGDKTLDKIRESLYVA.....	231
NTDB id 595 KW2 RS08725 WP 021037687.1	GFGDKTLEKLKDEISID.....	218
NTDB id 521 SMSK321 RS04960 WP 000443804.1	GIGAKTIEKLKDYVTVD.....	216
NTDB id 493 SM12261 RS04300 WP 000387351.1	GIGAKTIEKLKDYVTVD.....	216
NTDB id 153 SP RS04730 WP 000387344.1	GIGGKTIEKLKDYVTVD.....	216
NTDB id 263 KZH43 RS04195 WP 000387330.1	GIGGKTIEKLKDYVTVD.....	216
NTDB id 222 SPD RS04535 WP 000387330.1	GIGGKTIEKLKDYVTVD.....	216
NTDB id 188 SPR RS04295 WP 000387330.1	GIGGKTIEKLKDYVTVD.....	216
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	GIGEATVRNNAARILL.....	103
NTDB id 1150 A1552VC RS08580 WP 001166105.1	GIGEATVRNNAARILL.....	103
NTDB id 1294 VP RS04495 WP 021449594.1	GIGEATIKKNEDRILL.....	94
NTDB id 1362 HI 1008 AAC22669.1	GIGKATLEKNRDRIF.....	112
NTDB id 1382 A4U84 RS07375 WP 062924234.1	GIGKATLEKNRDCIVIE.....	113
NTDB id 1459 ASU2 RS10590 WP 015674357.1	GIGKATLDKNRDRILLQ.....	121
NTDB id 1069 ABD1 RS03060 WP 043960841.1	GIGPAIFEKNKSRLL.....	136
NTDB id 105 BSU 25590 NP 390437.1	GIGEKSFEEKSSITVK.....	205
NTDB id 36 MW RS08230 WP 001793467.1	GFGSKTFDKLKSFTI.....	228
NTDB id 20 SA RS08005 WP 001802022.1	GFGSKTFDKLKSFTI.....	228
NTDB id 1242 Cj0011c YP 002343483.1	GIGDKLFEKIKNDITIE.....	79
NTDB id 1127 NGFG RS10560 WP 003703428.1	GIGPAVLAKLKDQASVGAPAPKGPAPVLPVAVKK	131
NTDB id 1126 NGFG RS09375 WP 003703428.1	GIGPAVLAKLKDQASVGAPAPKGPAPVLPVAVKK	131
NTDB id 1125 NGFG RS07215 WP 003703428.1	GIGPAVLAKLKDQASVGAPAPKGPAPVLPVAVKK	131
NTDB id 1108 NGFG RS06525 WP 003703428.1	GIGPAVLAKLKDQASVGAPAPKGPAPVLPVAVKK	131
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- X

 non conserved
- X

 similar
- X

 ≥ 50% conserved