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MVLLYQFLLRYKDFLTQWKLY...MEALIEKIKKEYKIIIVICTGLGLLVGGFFLLKPAEPTPKETNLQAEVVAVSNKDLVSEKEVKKEE

NTDB id 1272 LPP RS04360 WP 010946546.1	.....	0
NTDB id 1249 GCO85 RS04230 WP 010946546.1	.....	0
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	.....	0
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....	0
NTDB id 1294 VP RS04495 WP 021449594.1	.....	0
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....	0
NTDB id 1382 A4U84 RS07375 WP 062924234.1	.....	0
NTDB id 1362 HI 1008 AAC22669.1	.....	0
NTDB id 595 KW2 RS08725 WP 021037687.1	.....MEKILDKDKLKEYWKIMLLVVCALIAGGIFYIFTNSPKPAETLSVEN...LSSS...STKSSVSKFNS	60
NTDB id 521 SMSK321 RS04960 WP 000443804.1	.....MESIIEKIKEYKIIIVICTGLGLLVGGFFLLKPAHPVTKETNLQAEV.VAIS..KDSSTEKDVKKEE	64
NTDB id 493 SM12261 RS04300 WP 000387351.1	.....MEAIIEKIKEYKIIIVICTGLGLLVGGFFLLKPAQPVPVTKETNLQAEV.VAVS..KDSVSEKEVKKEE	64
NTDB id 263 KZH43 RS04195 WP 000387330.1	.....MEAIIEKIKEYKIIIVICTGLGLLVGGFFLLKPAQPVPVTKETNLQAEV.AAVS..KDLVSEKEVNKEE	64
NTDB id 222 SPD RS04535 WP 000387330.1	.....MEAIIEKIKEYKIIIVICTGLGLLVGGFFLLKPAQPVPVTKETNLQAEV.AAVS..KDLVSEKEVNKEE	64
NTDB id 188 SPR RS04295 WP 000387330.1	.....MEAIIEKIKEYKIIIVICTGLGLLVGGFFLLKPAQPVPVTKETNLQAEV.AAVS..KDLVSEKEVNKEE	64
NTDB id 153 SP RS04730 WP 000387344.1	.....MEAIIEKIKEYKIIIVICTGLGLLVGGFFLLKPAQPVPVTKETNLQAEV.AAVS..KDSSTEKEVKKEE	64
NTDB id 613 LCA RS05340 WP 231952379.1	.....MMWQDYWQRYRRFVWVPCLVLLGIIAGGFYWHQSQQKQKVTQ.NEQL.LAT.....SASKTKPATKKT	61
NTDB id 1069 ABD1 RS03060 WP 043960841.1	.....	0
NTDB id 36 MW RS08230 WP 001793467.1	MVLLYQFLLRYKDFLTQWKLY...IISAVVLIMVLIGFIFWRQDDYTSRNFE.NKDNALKQSTSENSSLSKVEDVQVKD	75
NTDB id 20 SA RS08005 WP 001802022.1	MVLLYQFLLRYKDFLTQWKLY...IISAVVLIMVLIGFIFWRQDDYTSRNFE.NKDTALKQSTSENSSLSKLEDVQVKD	75
NTDB id 1014 ACIAD RS13855 WP 004924483.1	.....	0
NTDB id 105 BSU 25590 NP 390437.1	.....MNWLNQHKKKA...IILAASAAVFTAIMIFLATG...KNKE...PVKQAVPT...ETENTVVKQE	52
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 1122350 EL158 RS03070 WP 004277072.1	0
NTDB id 1242 Cj0011c YP 002343483.1	0
consensus	0

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KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDE.....MSRGGATPY...RFLLRHIVARC.....GL

NTDB id 1272 LPP RS04360 WP 010946546.1	.....MKARLIA..ILLSFIVIPFS	18
NTDB id 1249 GCO85 RS04230 WP 010946546.1	.....MKARLIA..ILLSFIVIPFS	18
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	.....MQIKTKIVTLFSLCLPTLPL	22
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....MQIKTKIVTLFSLCLPTLPL	22
NTDB id 1294 VP RS04495 WP 021449594.1	.....MKWILTLCLVVFAPL	15
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....MKWMLTCLLILAPM	15
NTDB id 1382 A4U84 RS07375 WP 062924234.1	.....MKKLSRYTFSLLFG.LFSAT	19
NTDB id 1362 HI 1008 AAC22669.1	.....MCTL..FTSVVLCGALVVSS	18
NTDB id 595 KW2 RS08725 WP 021037687.1	SSSEKKNKNEIMVDLKGAVAKPNVYQISSD.ERLVDLIRQAGGFTDQADQKSINLSAKLKDE.....EV	122
NTDB id 521 SMSK321 RS04960 WP 000443804.1	KEEPVEQDLITVDVKGAVKSPGIYDLSVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDE.....AL	126
NTDB id 493 SM12261 RS04300 WP 000387351.1	KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDE.....AL	126
NTDB id 263 KZH43 RS04195 WP 000387330.1	KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDE.....AL	126
NTDB id 222 SPD RS04535 WP 000387330.1	KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDE.....AL	126
NTDB id 188 SPR RS04295 WP 000387330.1	KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDE.....AL	126
NTDB id 153 SP RS04730 WP 000387344.1	KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDE.....AL	126
NTDB id 613 LCA RS05340 WP 231952379.1	HQAATKKKGGFVDIKGAVVYPGIYPITVSETRLFVCLKNAGGPTDAADTKRLNLAQKLTQD.....LI	124
NTDB id 1069 ABD1 RS03060 WP 043960841.1	.....MQYSMRFWKNKYFVLIMLCLGVISPS	26
NTDB id 36 MW RS08230 WP 001793467.1	GDNSKNKGPVYVDVKGAVKHPNVYKMTSK.DRVVDLLDKAQLLE.DADVSRINLSEKLTQD.....KM	136
NTDB id 20 SA RS08005 WP 001802022.1	GDNSKNKGPVYVDVKGAVKHPNVYKMTSK.DRVVDLLDKAQLLD.DADVSRINLSEKLTQD.....KM	136
NTDB id 1014 ACIAD RS13855 WP 004924483.1	.....MSIRHFFTFFWATLLTL...F....SMQI	22
NTDB id 105 BSU 25590 NP 390437.1	ANNDESNETIVIDIKGAVQHHPGVYEMRTG.DRVSAIEKAGGTSEQADEAQVNLAIEILQDG.....TV	114
NTDB id 1127 NGFG RS10560 WP 003703428.1	.....MSRGGATPY...RFLLRHIVARC.....GL	23
NTDB id 1126 NGFG RS09375 WP 003703428.1	.....MSRGGATPY...RFLLRHIVARC.....GL	23
NTDB id 1125 NGFG RS07215 WP 003703428.1	.....MSRGGATPY...RFLLRHIVARC.....GL	23
NTDB id 1108 NGFG RS06525 WP 003703428.1	.....MSRGGATPY...RFLLRHIVARC.....GL	23
NTDB id 1122350 EL158 RS03070 WP 004277072.1	0
NTDB id 1242 Cj0011c YP 002343483.1	0
consensus*	

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NTDB id 1272 LPP RS04360 WP 010946546.1	EAIITAYRENHQGFKSLEELAEVKGIGQRFVDKNREKIKKEIFVIN.....	105
NTDB id 1249 GCO85 RS04230 WP 010946546.1	EAIITAYRENHQGFKSLEELAEVKGIGQRFVDKNREKIKKEIFVIN.....	105
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	QAIVDYREANGPFFTHIDDLTNVKGIGEATVRNNAARILL.....	103
NTDB id 1150 A1552VC RS08580 WP 001166105.1	QAIVDYREANGPFFTHIDDLTNVKGIGEATVRNNAARILL.....	103
NTDB id 1294 VP RS04495 WP 021449594.1	QSIVDYRTEHGPFKTAADLTNVKGI GEATIKKNE DRI LL.....	94
NTDB id 1395 DSB67 RS04445 WP 010649155.1	QDIVEYRNEHGPFKTAADLTNVKGI GEATVRKNEDRI LL.....	95
NTDB id 1382 A4U84 RS07375 WP 062924234.1	QAIVEYREKNGKFLNVEQLTEVSGIGKATLEKKNRDCIVTE.....	113
NTDB id 1362 HI 1008 AAC22669.1	EAIVQYREKHNFXNAEQLELVQIGKATLEKKNRDIIF.....	112
NTDB id 595 KW2 RS08725 WP 021037687.1	QDIIDFRMKNCDFKSIEDLGKVS GFGDKTLEKIKDEISID.....	218
NTDB id 521 SMSK321 RS04960 WP 000443804.1	QDIIDHREANGKFKSVDELK KVS GIGAKTIEKIKDYVTVD.....	216
NTDB id 493 SM12261 RS04300 WP 000387351.1	QDIIDHREANGKFKSVDELK KVS GIGAKTIEKIKDYVTVD.....	216
NTDB id 263 KZH43 RS04195 WP 000387330.1	QDIIDHREANGKFKSVDELK KVS GIGGKTIEKIKDYVTVD.....	216
NTDB id 222 SPD RS04535 WP 000387330.1	QDIIDHREANGKFKSVDELK KVS GIGGKTIEKIKDYVTVD.....	216
NTDB id 188 SPR RS04295 WP 000387330.1	QDIIDHREANGKFKSVDELK KVS GIGGKTIEKIKDYVTVD.....	216
NTDB id 153 SP RS04730 WP 000387344.1	QDIIDHREANGKFKSVDELK KVS GIGGKTIEKIKDYVTVD.....	216
NTDB id 613 LCA RS05340 WP 231952379.1	EQIITAYRDEGKFKQIEDLQKVGGIGPKTFEQLQSQCWN.....	235
NTDB id 1069 ABD1 RS03060 WP 043960841.1	QAIVEYRQKNGSFKNIDELK NVK GIGPAIFEKKNKSRILAL.....	136
NTDB id 36 MW RS08230 WP 001793467.1	NAIVEYRNQGGAFQEIDDLK KVK GFGSKTFDKLKS YFTI.....	228
NTDB id 20 SA RS08005 WP 001802022.1	NAIVEYRNQGGAFQEIDDLK KVK GFGSKTFDKLKS YFTI.....	228
NTDB id 1014 ACIAD RS13855 WP 004924483.1	LAIVEYRQQYCKFASVDDLQKVKGIGPKFTEKKNRDIAT.....	128
NTDB id 105 BSU 25590 NP 390437.1	EAIITAYREENGRFQTIEDITK VSGIGEKSF EKIKSSITVK.....	205
NTDB id 1127 NGFG RS10560 WP 003703428.1	KAI AEYRAQNGAFKSVDDL I KVK GIGPAVLAKLKDQASV GAPAPKGPAPVLPVAVKK	131
NTDB id 1126 NGFG RS09375 WP 003703428.1	KAI AEYRAQNGAFKSVDDL I KVK GIGPAVLAKLKDQASV GAPAPKGPAPVLPVAVKK	131
NTDB id 1125 NGFG RS07215 WP 003703428.1	KAI AEYRAQNGAFKSVDDL I KVK GIGPAVLAKLKDQASV GAPAPKGPAPVLPVAVKK	131
NTDB id 1108 NGFG RS06525 WP 003703428.1	KAI AEYRAQNGAFKSVDDL I KVK GIGPAVLAKLKDQASV GAPAPKGPAPVLPVAVKK	131
NTDB id 1122350 EL158 RS03070 WP 004277072.1	RAILDYRKE.QNFTSIEELK KVK GIGGKTFEELKDSIVVE.....	79
NTDB id 1242 Cj0011c YP 002343483.1	KAI LEYRKE.ANFTSIEDL K KVK GIGDKLFEKIKNDITIE.....	79
consensus	*!***! ** !***** *! !*! ***** * *	

- non conserved
- similar
- ≥ 50% conserved