

logo

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 1034	TT	RS08100	WP 024119555.1	.....	0
NTDB id 1416	SGL	RS14595	WP 010873643.1	MGKLNRGWKPNPVVIFVALALLVAIAVIGIGKVDPLGLGQSLARPDPLPQQEEIQVYFNLNNAKGADFIDPDRDFKRQGD	80
NTDB id 1272	LPP	RS04360	WP 010946546.1	.....	0
NTDB id 1249	GCO85	RS04230	WP 010946546.1	.....	0
NTDB id 1041	HON27	RS14740	WP 005124713.1	.....	0
NTDB id 1069	ABD1	RS03060	WP 043960841.1	.....	0
NTDB id 36	MW	RS08230	WP 001793467.1	.....	0
NTDB id 20	SA	RS08005	WP 001802022.1	.....	0
NTDB id 300	STER	RS07485	WP 011681496.1	.....	0
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
NTDB id 105	BSU	25590	NP 390437.1	.....	0
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	.....	0
NTDB id 613	LCA	RS05340	WP 231952379.1	.....	0
NTDB id 521	SMSK321	RS04960	WP 000443804.1	.....	0
NTDB id 493	SM12261	RS04300	WP 000387351.1	.....	0
NTDB id 153	SP	RS04730	WP 000387344.1	.....	0
NTDB id 263	KZH43	RS04195	WP 000387330.1	.....	0
NTDB id 222	SPD	RS04535	WP 000387330.1	.....	0
NTDB id 188	SPR	RS04295	WP 000387330.1	.....	0
NTDB id 183132	LLUC08	RS09015	WP 353511539.1		0
NTDB id 595	KW2	RS08725	WP 021037687.1		0
consensus					

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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 1034	TT	RS08100	WP 024119555.1	.....	0
NTDB id 1416	SGL	RS14595	WP 010873643.1	NFEQIILEQIDQAQSTIDLAVQELRLPRIAQALVEKQKTGVRVRLVLENTYNQTIKEAVETEKDPFRYRGPLAYLDQNQD	160
NTDB id 1272	LPP	RS04360	WP 010946546.1		0
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NTDB id 1041	HON27	RS14740	WP 005124713.1		0
NTDB id 1069	ABD1	RS03060	WP 043960841.1		0
NTDB id 36	MW	RS08230	WP 001793467.1	.....	0
NTDB id 20	SA	RS08005	WP 001802022.1	.....	0
NTDB id 300	STER	RS07485	WP 011681496.1	.....	0
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
NTDB id 105	BSU	25590	NP 390437.1	.....	0
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	.....	0
NTDB id 613	LCA	RS05340	WP 231952379.1	.....	0
NTDB id 521	SMSK321	RS04960	WP 000443804.1		0
NTDB id 493	SM12261	RS04300	WP 000387351.1		0
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NTDB id 263	KZH43	RS04195	WP 000387330.1		0
NTDB id 222	SPD	RS04535	WP 000387330.1		0
NTDB id 188	SPR	RS04295	WP 000387330.1	.....	0
NTDB id 183132	LLUC08	RS09015	WP 353511539.1		0
NTDB id 595	KW2	RS08725	WP 021037687.1		0
consensus					

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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 1034	TT	RS08100	WP 024119555.1	.....	0
NTDB id 1416	SGL	RS14595	WP 010873643.1	GRISPAESAERDAIEILRTQKIPLIDDTEDGSKGSGLMHHKFMVLDNKTVIVTSANFTPSDQHGDYDDNFTRGNANNLLV	240
NTDB id 1272	LPP	RS04360	WP 010946546.1	.....	0
NTDB id 1249	GCO85	RS04230	WP 010946546.1	.....	0
NTDB id 1041	HON27	RS14740	WP 005124713.1	.....	0
NTDB id 1069	ABD1	RS03060	WP 043960841.1	.....	0
NTDB id 36	MW	RS08230	WP 001793467.1	.....	0
NTDB id 20	SA	RS08005	WP 001802022.1	.....	0
NTDB id 300	STER	RS07485	WP 011681496.1	.....	0
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
NTDB id 105	BSU	25590	NP 390437.1	.....	0
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	.....	0
NTDB id 613	LCA	RS05340	WP 231952379.1		0
NTDB id 521	SMSK321	RS04960	WP 000443804.1		0
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NTDB id 263	KZH43	RS04195	WP 000387330.1		0
NTDB id 222	SPD	RS04535	WP 000387330.1		0
NTDB id 188	SPR	RS04295	WP 000387330.1	.....	0
NTDB id 183132	LLUC08	RS09015	WP 353511539.1		0
NTDB id 595	KW2	RS08725	WP 021037687.1		0
consensus					

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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 1034	TT RS08100 WP 024119555.1	.....	0
NTDB id 1416	SGL RS14595 WP 010873643.1	VQSPAVAHLFTEEFNLLWGDGPGA EKDSLFGINKPSRPAKVLKVGETTVTVKFSPDRRAIPFPNTSNGLIAQYLNQAQQK	320
NTDB id 1272	LPP RS04360 WP 010946546.1	.....	0
NTDB id 1249	GCO85 RS04230 WP 010946546.1	.....	0
NTDB id 1041	HON27 RS14740 WP 005124713.1	MQYSMRF	7
NTDB id 1069	ABD1 RS03060 WP 043960841.1	MQYSMRF	7
NTDB id 36	MW RS08230 WP 001793467.1	MVLLYQFLLRYKDF	14
NTDB id 20	SA RS08005 WP 001802022.1	MVLLYQFLLRYKDF	14
NTDB id 300	STER RS07485 WP 011681496.1	MKEKILAYVKDN	12
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
NTDB id 105	BSU 25590 NP 390437.1	MNWLN....QHKK	9
NTDB id 1014	ACIAD RS13855 WP 004924483.1	MSIRHFFTF	9
NTDB id 613	LCA RS05340 WP 231952379.1	MMWQDYWQRYRRF	13
NTDB id 521	SMSK321 RS04960 WP 000443804.1	MESIEKIKEY	11
NTDB id 493	SM12261 RS04300 WP 000387351.1	MEAIIEKIKEY	11
NTDB id 153	SP RS04730 WP 000387344.1	MEAIIEKIKEY	11
NTDB id 263	KZH43 RS04195 WP 000387330.1	MEAIIEKIKEY	11
NTDB id 222	SPD RS04535 WP 000387330.1	MEAIIEKIKEY	11
NTDB id 188	SPR RS04295 WP 000387330.1	MEAIIEKIKEY	11
NTDB id 183132	LLUC08 RS09015 WP 353511539.1		0
NTDB id 595	KW2 RS08725 WP 021037687.1	MEKILDKLKEY	11
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NTDB id 1159	ABDM36	RS04765	WP 001166105.1	K.....	0
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	LIVLCTYLGLLxGGFFLLKKAESTFVKELNLSAEVcAYSKDSSi.....EKEVskEEK	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 1034	TT	RS08100	WP 024119555.1	.....	0
NTDB id 1416	SGL	RS14595	WP 010873643.1	IQLALFVFSEQALSNVINQRFQAGTEVKALIDRGFAFRYYSEGLDLLGVTLLLEDCLE.....QPG	380
NTDB id 1272	LPP	RS04360	WP 010946546.1	.....	0
NTDB id 1249	GCO85	RS04230	WP 010946546.1	.....	0
NTDB id 1041	HON27	RS14740	WP 005124713.1	WKNKYFLL.....IMLCLGVIS.....	24
NTDB id 1069	ABD1	RS03060	WP 043960841.1	WKNKYFVL.....IMLCLGVIS.....	24
NTDB id 36	MW	RS08230	WP 001793467.1	L.TQWKLY.....IISAVVLIMVLIGFIFWRQDDYTSRNFENKDNALKQSTSENS.....LSKVEDVQVKDG	76
NTDB id 20	SA	RS08005	WP 001802022.1	L.TQWKLY.....IISAVVLIMVLIGFIFWRQDDYTSRNFENKDTALKQSTSENNS.....LSKLEDVQVKDG	76
NTDB id 300	STER	RS07485	WP 011681496.1	R.L.....FVSVIAVLMVIFCFFLWMTCGAGNSMEAETSYPDVTALSTSSSKQSSQSLSEASSQSKTE	74
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
NTDB id 105	BSU	25590	NP 390437.1	A.....IILAASAAVFTAIMIFLATGKNKEPVKQAVPT.....ET.....ENTVVVKQEA	53
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	F.....WATLLTLF.....	18
NTDB id 613	LCA	RS05340	WP 231952379.1	W.....WVPCLVLLGIIAGGFYWHQSQQKQKVTQN...EQLLATSA..SK.....TKPATKKTH	62
NTDB id 521	SMSK321	RS04960	WP 000443804.1	K.....IIVICTGLGLLVGGFFLLKPAPHTPVKETNLQAEVVAISKDSST.....EKDVKKEEK	65
NTDB id 493	SM12261	RS04300	WP 000387351.1	K.....IIVICTGLGLLVGGFFLLKPAPQTPVKETNLQAEVVAVSKDSVS.....EKEVKKEEK	65
NTDB id 153	SP	RS04730	WP 000387344.1	K.....IIVICTGLGLLVGGFFLLKPAPQTPVKETNLQAEVAAVSKDSST.....EKEVKKEEK	65
NTDB id 263	KZH43	RS04195	WP 000387330.1	K.....IIVICTGLGLLVGGFFLLKPAPQTPVKETNLQAEVAAVSKDLVS.....EKEVNKEEK	65
NTDB id 222	SPD	RS04535	WP 000387330.1	K.....IIVICTGLGLLVGGFFLLKPAPQTPVKETNLQAEVAAVSKDLVS.....EKEVNKEEK	65
NTDB id 188	SPR	RS04295	WP 000387330.1	K.....IIVICTGLGLLVGGFFLLKPAPQTPVKETNLQAEVAAVSKDLVS.....EKEVNKEEK	65
NTDB id 183132	LLUC08	RS09015	WP 353511539.1	.....	0
NTDB id 595	KW2	RS08725	WP 021037687.1	W.....KIMLLVVCALIAGGIFYIFTNSPKPAETLSVEN..LSSS..STK.....SSVSKFNSS	61
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NTDB id 1159 ABDM36 RS04765 WP 001166105.1	MQIKTKIITLFIISLCLP..TLPLLANAEE	27
NTDB id 1150 A1552VC RS08580 WP 001166105.1	MQIKTKIITLFIISLCLP..TLPLLANAEE	27
NTDB id 1294 VP RS04495 WP 021449594.1	MKWILTLCLV..VFAPLSLAA..	19
NTDB id 1395 DSB67 RS04445 WP 010649155.1	MKWMLTLCLL..TLAPMSWAE..	19
NTDB id 1382 A4U84 RS07375 WP 062924234.1	MKKLSRYTFSLLFG...LFSATTFAEE	24
NTDB id 1362 HI 1008 AAC22669.1	MKTLL..FTSVVLCGA..LVVSSSFAGEE	23
NTDB id 1034 TT RS08100 WP 024119555.1	MVLGYLLAVALL.....GLLA	16
NTDB id 1416 SGL RS14595 WP 010873643.1	NSPWAL...PTEFVGTPALPRGDKLHHKFALVDDDTVITGSHNWSPAANHNNDETIVLQ...NAQIAAHYQRELDRLY	453
NTDB id 1272 LPP RS04360 WP 010946546.1	MKARLIAILLSFIVIPFSSQAE	22
NTDB id 1249 GCO85 RS04230 WP 010946546.1	MKARLIAILLSFIVIPFSSQAE	22
NTDB id 1041 HON27 RS14740 WP 005124713.1	PSVC.....AQSFDQ...NFQEWKA..KQQMYDQKL..NI.TK.....	54
NTDB id 1069 ABD1 RS03060 WP 043960841.1	PSVC.....AQSFDQ...NFQEWKY..KQQMYDQKL..NI.SK.....	54
NTDB id 36 MW RS08230 WP 001793467.1	DNSKNKGPVYVDVKGAVKHPNVYKMTSK.DRVVD..LLDKAQ.LLE...DADVSQINLSEKLTQDKM...IFIPHKGQKN	146
NTDB id 20 SA RS08005 WP 001802022.1	DNSKNKGPVYVDVKGAVKHPNVYKMTSK.DRVVD..LLDKAQ.LLD...DADVSRIINLSEKLTQDKM...IFIPHKGQKN	146
NTDB id 300 STER RS07485 WP 011681496.1	GSEKVKSKVTVDVKGAVVNPVGYTLKAG.ARVTD..VIQEAGGMTE....DADAKSVNLAAASLSDEEV...IYVANKDENV	145
NTDB id 1242 Cj0011c YP 002343483.1	MSRGGATP....Y...RFLLIRHIVARCGL...LFATLKGKTM	33
NTDB id 1127 NGFG RS10560 WP 003703428.1	MSRGGATP....Y...RFLLIRHIVARCGL...LFATLKGKTM	33
NTDB id 1126 NGFG RS09375 WP 003703428.1	MSRGGATP....Y...RFLLIRHIVARCGL...LFATLKGKTM	33
NTDB id 1125 NGFG RS07215 WP 003703428.1	MSRGGATP....Y...RFLLIRHIVARCGL...LFATLKGKTM	33
NTDB id 1108 NGFG RS06525 WP 003703428.1	MSRGGATP....Y...RFLLIRHIVARCGL...LFATLKGKTM	33
NTDB id 105 BSU 25590 NP 390437.1	NNDESNETIVIDIKGAVQHHPGVYEMRTG.DRVSQ..AIEKAGGTSE...QADEAQVNLAEILQDGTV...VYIPKKGEET	124
NTDB id 1014 ACIAD RS13855 WP 004924483.1	SM..QIVFAQGFDQ...QYDAWKT..QQKA.....	41
NTDB id 613 LCA RS05340 WP 231952379.1	QAATKKKGGFVDIKGAVVYPGIYPITVSETRLF..VLKNAGGPTD....AADTKRINLAQKLTQDLI...IYIPKKGEVV	134
NTDB id 521 SMSK321 RS04960 WP 000443804.1	EEPVEQDLITVDVKGAVKSPGIYDLSVG.SRVND..AVQKAGGLTE...QADSLSNLAAQKVSDEAL...VYVPTKGEEES	136
NTDB id 493 SM12261 RS04300 WP 000387351.1	EEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVND..AVQKAGGLTE...QADSLSNLAAQKVSDEAL...VYVPTKGEEA	136
NTDB id 153 SP RS04730 WP 000387344.1	EEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVND..AVQKAGGLTE...QADSLSNLAAQKVSDEAL...VYVPTKGEEA	136
NTDB id 263 KZH43 RS04195 WP 000387330.1	EEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVND..AVQKAGGLTE...QADSLSNLAAQKVSDEAL...VYVPTKGEEA	136
NTDB id 222 SPD RS04535 WP 000387330.1	EEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVND..AVQKAGGLTE...QADSLSNLAAQKVSDEAL...VYVPTKGEEA	136
NTDB id 188 SPR RS04295 WP 000387330.1	EEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVND..AVQKAGGLTE...QADSLSNLAAQKVSDEAL...VYVPTKGEEA	136
NTDB id 183132 LLUC08 RS09015 WP 353511539.1	.....	0
NTDB id 595 KW2 RS08725 WP 021037687.1	SSEKNKNEIMVDLKGAVAKPNVYQISSD.ERLVD..LIRQAGGFTD....QADQKSLINLSAKLKDEEV...IYVPKVGESS	132
consensus	* * * * *	

NTDB id 1159 ABDM36 RS04765 WP 001166105.1
NTDB id 1150 A1552VC RS08580 WP 001166105.1
NTDB id 1294 VP RS04495 WP 021449594.1
NTDB id 1395 DSB67 RS04445 WP 010649155.1
NTDB id 1382 AAU84 RS07375 WP 062924234.1
NTDB id 1362 HI 1008 AAC22669.1
NTDB id 1034 TT RS08100 WP 024119555.1
NTDB id 1416 SGL RS14595 WP 010873643.1
NTDB id 1272 LPP RS04360 WP 010946546.1
NTDB id 1249 GC085 RS04230 WP 010946546.1
NTDB id 1041 HON27 RS14740 WP 005124713.1
NTDB id 1069 ABD1 RS03060 WP 043960841.1
NTDB id 36 MW RS08230 WP 001793467.1
NTDB id 20 SA RS08005 WP 001802022.1
NTDB id 300 STER RS07485 WP 011681496.1
NTDB id 1242 Cj0011c YP 002343483.1
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 105 BSU 25590 NP 390437.1
NTDB id 1014 ACIAD RS13855 WP 004924483.1
NTDB id 613 LCA RS05340 WP 231952379.1
NTDB id 521 SMSK321 RS04960 WP 000443804.1
NTDB id 493 SM12261 RS04300 WP 000387351.1
NTDB id 153 SP RS04730 WP 000387344.1
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 183132 LLUC08 RS09015 WP 353511539.1
NTDB id 595 KW2 RS08725 WP 021037687.1
consensus

Sequence	Score
TA.....PAAQ.....VEEGIVITVNINTASAEELATLLKGIGLKKAKAIVDYREANGPFTHID	81
TA.....PAAQ.....VEEGIVITVNINTASAEELATLLKGIGLKKAKAIVDYREANGPFTHID	81
.D.....TKAD.....KYEGIEITVNINTASAEIATMLKGIGEKKAQSIDYRTEHGPFKTAA	72
TK.....TKAD.....KYEGIEITVNINSATAQEIATLLIGIGEKKAQDIVEYRNEHGPFKTAA	73
KV.....TTSTEHTPVVM.....QQ.VAATQKVNANVNVNINTATASEIQDKLVGIGAKKAKAIVEYREKNGKFLNVE	90
KA.....TXQTAQSVVTT.....QAEAQVAPAVVSDKLNINTATASEIQKSLTGIGAKKAEAIIVQYREKHGNFXNAE	90
LWPKLA..P...APLPVRVE.....ALGKVAPLPQAQTPVSI NEASLEELM.ALPGIGPVLARRIVEGR...PYARVE	80
AVTEYGLPPTVQARIDRQEACANPRPSPKPLAKATPNRLVNINRGSQEELE.SLPGIGPSTAEKIISTRREQ.KAFTSLE	531
NE.....PQKTPAKQVLVKGKINLNTADVSLTGSFGKIGICKKRAEAI IAYRENHQQGFKSLE	78
NE.....PQKTPAKQVLVKGKINLNTADVSLTGSFGKIGICKKRAEAI IAYRENHQQGFKSLE	78
S.....SHSNGS..KISQTKNFNDSTGQIHLNQANVNEFQ.QLKGVGEKKAKAIVEYRQKNGSFKNID	114
S.....SHSNSS..KISQTKNFNDSTGQIHLNQANVNEFQ.QLKGVGEKKAKAIVEYRQKNGSFKNID	114
VEPQIGV.....NSVHVKNGNTNNTKVNINTASVSELM.SVPGVGQA KANAIVEYRNQQAQAFQEID	206
VEPQIEV.....NSVHVKNGNTNNTKVNINTASVSELM.SVPGVGQA KANAIVEYRNQQAQAFQEID	206
SVLDQT.....GTGQVSDKGQAVSKDGKINLNTATSEQLQ.TTSGIGAKRAEDVIAYRESHGGGFQSVD	208
.....MKKLLFLFFALTAFLFGAVNINTATLTKELK.SLNGIGEAKAKAILEYRKE..ANFTSID	56
KKMFV.....LFCMLFSCAFSLAAVNINAASQGELE.ALPGIGPAKAKAIAEYRAQNGAFKSVD	91
KKMFV.....LFCMLFSCAFSLAAVNINAASQGELE.ALPGIGPAKAKAIAEYRAQNGAFKSVD	91
KKMFV.....LFCMLFSCAFSLAAVNINAASQGELE.ALPGIGPAKAKAIAEYRAQNGAFKSVD	91
KKMFV.....LFCMLFSCAFSLAAVNINAASQGELE.ALPGIGPAKAKAIAEYRAQNGAFKSVD	91
AVQQGG.....GGSVQSDGGKGALVNINTATTEELQ.GTSGVGPSKAEAI IAYREENGRFQITIE	182
.....HDTRLNSSASHHSLSKPTQQSGTGVKVNINSATAKELQ.QLHGVGEKKALAIVEYRQQYQKFAFASVD	106
TDQELIQAPQQIATTSSERTQEAST.GTSANASSTSDTAKIDLNQADSTQLQ.TLNGIGPKKAEQIIAYRDECGKFKQIE	212
ASQHTG.....SGAP.....SSTSCKDKKINLNKASLEELK.QVKGLGGKRAQDIIDHREANGKFKSVD	193
ASQQAG.....PGTA.....SSTSKEKKVNLNKASLEELK.QVKGLGGKRAQDIIDHREANGKFKSVD	193
VSQQTG.....SGTA.....SSTSKEKKVNLNKASLEELK.QVKGLGGKRAQDIIDHREANGKFKSVD	193
VSQQTG.....LGTA.....SSISKEKKVNLNKASLEELK.QVKGLGGKRAQDIIDHREANGKFKSVD	193
VSQQTG.....LGTA.....SSISKEKKVNLNKASLEELK.QVKGLGGKRAQDIIDHREANGKFKSVD	193
VSQQTG.....LGTA.....SSISKEKKVNLNKASLEELK.QVKGLGGKRAQDIIDHREANGKFKSVD	193
.....MNINQADLTELQ.KLTGVGQKKAQDIIDFRTKNGDFKSLE	39
SSESTD.....SPTG.SSVSNQISTTSGPKVNINKADLTELQ.KLTGIGQKKAQDIIDFRMKNGDFKSIE	195

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NTDB id 1159	ABDM36	RS04765	WP 001166105.1	DLITNVKGIG	EATVRNNAAR	ILL		103	
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	DLITNVKGIG	EATVRNNAAR	ILL	.....	103	
NTDB id 1294	VP	RS04495	WP 021449594.1	DLITNVKGIG	EATIKKNED	RILL	.....	94	
NTDB id 1395	DSB67	RS04445	WP 010649155.1	DLITKVKGIG	EATVRKNED	RILL	.....	95	
NTDB id 1382	A4U84	RS07375	WP 062924234.1	QLTEVSGIG	KATLEKNR	DCIVIE	.....	113	
NTDB id 1362	HI	1008	AAC22669.1	QLLEVQGIG	KATLEKNR	DRIIF	.....	112	
NTDB id 1034	TT	RS08100	WP 024119555.1	DLLKVKGIG	PATLERLR	PYLRP	.....	102	
NTDB id 1416	SGL	RS14595	WP 010873643.1	DLGRVKGIG	PSKIEGLR	GKVTW	.....	553	
NTDB id 1272	LPP	RS04360	WP 010946546.1	ELAEVKGIG	QRFVDKNR	EKLKEIFVIN	.....	105	
NTDB id 1249	GCO85	RS04230	WP 010946546.1	ELAEVKGIG	QRFVDKNR	EKLKEIFVIN	.....	105	
NTDB id 1041	HON27	RS14740	WP 005124713.1	EIKNVKGIG	PAIFEKNK	SRLAL	.....	136	
NTDB id 1069	ABD1	RS03060	WP 043960841.1	EIKNVKGIG	PAIFEKNK	SRLAL	.....	136	
NTDB id 36	MW	RS08230	WP 001793467.1	DLKKVKGF	GSKTFDKL	KSYFTI	.....	228	
NTDB id 20	SA	RS08005	WP 001802022.1	DLKKVKGF	GSKTFDKL	KSYFTI	.....	228	
NTDB id 300	STER	RS07485	WP 011681496.1	DLKNVSGIG	DKTLLDKI	RESIYVA	.....	231	
NTDB id 1242	Cj0011c	YP 002343483.1		DLKKVKGIG	DKLFEKIK	NDITIE	.....	79	
NTDB id 1127	NGFG	RS10560	WP 003703428.1	DLIKVKGIG	PAVLAKLKD	QASVGAPAPKGP	AKPVLP	PAVKK	131
NTDB id 1126	NGFG	RS09375	WP 003703428.1	DLIKVKGIG	PAVLAKLKD	QASVGAPAPKGP	AKPVLP	PAVKK	131
NTDB id 1125	NGFG	RS07215	WP 003703428.1	DLIKVKGIG	PAVLAKLKD	QASVGAPAPKGP	AKPVLP	PAVKK	131
NTDB id 1108	NGFG	RS06525	WP 003703428.1	DLIKVKGIG	PAVLAKLKD	QASVGAPAPKGP	AKPVLP	PAVKK	131
NTDB id 105	BSU	25590	NP 390437.1	DLITKVS	GIGKESFEKIK	SSITVK	.....	205	
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	DLQKVKGIG	PKFTIEKNR	DRIAI	.....	128	
NTDB id 613	LCA	RS05340	WP 231952379.1	DLQKVGIG	GPKTFEQL	QSQCVCN	.....	235	
NTDB id 521	SMSK321	RS04960	WP 000443804.1	ELKKVSGIG	AKTIEKLKD	YVTVD	.....	216	
NTDB id 493	SM12261	RS04300	WP 000387351.1	ELKKVSGIG	AKTIEKLKD	YVTVD	.....	216	
NTDB id 153	SP	RS04730	WP 000387344.1	ELKKVSGIG	GKKTIEKLKD	YVTVD	.....	216	
NTDB id 263	KZH43	RS04195	WP 000387330.1	ELKKVSGIG	GKKTIEKLKD	YVTVD	.....	216	
NTDB id 222	SPD	RS04535	WP 000387330.1	ELKKVSGIG	GKKTIEKLKD	YVTVD	.....	216	
NTDB id 188	SPR	RS04295	WP 000387330.1	ELKKVSGIG	GKKTIEKLKD	YVTVD	.....	216	
NTDB id 183132	LLUC08	RS09015	WP 353511539.1	DLGKVS	GFGDKTIEKLK	DEL	CFE		62
NTDB id 595	KW2	RS08725	WP 021037687.1	DLGKVS	GFGDKTIEKLK	DEL	ISID		218
consensus				**	*!	*!	*!	*****	* *

- ☐ non conserved
- ☒ similar
- ☒ ≥ 50% conserved