

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	MSRGGATPYRFL	IRHIVARCG	LLFATLKGK	31
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	MSRGGATPYRFL	IRHIVARCG	LLFATLKGK	31
NTDB id 1395	DSB67	RS04445	WP 010649155.1	MSRGGATPYRFL	IRHIVARCG	LLFATLKGK	31
NTDB id 1294	VP	RS04495	WP 021449594.1	MSRGGATPYRFL	IRHIVARCG	LLFATLKGK	31
NTDB id 1362	HI 1008	AAC22669.1					
NTDB id 1382	A4U84	RS07375	WP 062924234.1				
NTDB id 595	KW2	RS08725	WP 021037687.1				
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 36	MW	RS08230	WP 001793467.1				
NTDB id 20	SA	RS08005	WP 001802022.1				
NTDB id 105	BSU 25590	NP 390437.1					
NTDB id 1069	ABD1	RS03060	WP 043960841.1				
NTDB id 1014	ACIAD	RS13855	WP 004924483.1				
NTDB id 29217	C8J	RS00050	WP 002866798.1				
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				
consensus							

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	TAP.....AA.....Q.....	33
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	TAP.....AA.....Q.....	33
NTDB id 1395	DSB67	RS04445	WP 010649155.1	TKT.....KA.....D.....	25
NTDB id 1294	VP	RS04495	WP 021449594.1	DT.....KA.....D.....	24
NTDB id 1362	HI 1008	AAC22669.1		KAT.....XQ.....TAQSVVT	35
NTDB id 1382	A4U84	RS07375	WP 062924234.1	KVT.....TS.....TEHTPVV	36
NTDB id 595	KW2	RS08725	WP 021037687.1	VSKFNSSSSEKNKNEIMVDLKGAVAKPNVYQISSDERLVDLIRQAGGFTDQADQKSINLSAKLKDEEVIYVPKVGESSSS	134
NTDB id 521	SMSK321	RS04960	WP 000443804.1	DVKKEEKEEPVEQDLITVDVKGAVKSPGIYDLSVGSRVNDVAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAS	138
NTDB id 493	SM12261	RS04300	WP 000387351.1	EVKKEEKEEPLEQDLITVDVKGAVKSPGIYDLPVGSRVNDVAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAAS	138
NTDB id 153	SP	RS04730	WP 000387344.1	EVKKEEKEEPLEQDLITVDVKGAVKSPGIYDLPVGSRVNDVAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS	138
NTDB id 263	KZH43	RS04195	WP 000387330.1	EVNKEEKEEPLEQDLITVDVKGAVKSPGIYDLPVGSRVNDVAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS	138
NTDB id 222	SPD	RS04535	WP 000387330.1	EVNKEEKEEPLEQDLITVDVKGAVKSPGIYDLPVGSRVNDVAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS	138
NTDB id 188	SPR	RS04295	WP 000387330.1	EVNKEEKEEPLEQDLITVDVKGAVKSPGIYDLPVGSRVNDVAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS	138
NTDB id 36	MW	RS08230	WP 001793467.1	DVQVKDGDNSKNKGPVYVDVKGAVKHPNVYKMTSKDRVVDLLDKAQLLEDADVQSINLSEKLTQDKMIFIPHKGGQKNVE	148
NTDB id 20	SA	RS08005	WP 001802022.1	DVQVKDGDNSKNKGPVYVDVKGAVKHPNVYKMTSKDRVVDLLDKAQLLDDADVSRINLSEKLTQDKMIFIPHKGGQKNVE	148
NTDB id 105	BSU 25590	NP 390437.1		TVVKQEANNDESNETIVIDIKGAVQHPGVYEMRTGDRVSDAIEKAGGTSEQADEAQVNLAELIQDGTVVYIPKKGGEETAV	126
NTDB id 1069	ABD1	RS03060	WP 043960841.1	G.VISPSVCAQSFQDNFQ.E.....WKVKQQMYDQKLNISK.....SSHS...	58
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	TLFSMQIVFAQGFQDYD.A.....WKTQQAHDTRLNSSA.....SSHS...	54
NTDB id 29217	C8J	RS00050	WP 002866798.1	MKLLFLF..F.....	9
NTDB id 1242	Cj0011c	YP 002343483.1		MKLLFLF..F.....	9
NTDB id 1127	NGFG	RS10560	WP 003703428.1	TMKKMFVLFCML.....	43
NTDB id 1126	NGFG	RS09375	WP 003703428.1	TMKKMFVLFCML.....	43
NTDB id 1125	NGFG	RS07215	WP 003703428.1	TMKKMFVLFCML.....	43
NTDB id 1108	NGFG	RS06525	WP 003703428.1	TMKKMFVLFCML.....	43
consensus				*...*	

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	VEEGIVITVNINTASAEELATLLKGI	GLKKAQAI	VDYREANGPFTTH	IDDLTNVKGIGEATVRNNAA	99		
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	VEEGIVITVNINTASAEELATLLKGI	GLKKAQAI	VDYREANGPFTTH	IDDLTNVKGIGEATVRNNAA	99		
NTDB id 1395	DSB67	RS04445	WP 010649155.1	KYEGIEITVNNSATAQETATLLIGIGE	KKAQDIV	EYRNEHGPFKTAADLT	TKVKGIGEA	VRKNED	91	
NTDB id 1294	VP	RS04495	WP 021449594.1	KYEGIEITVNINTASAEETATMLKGI	GEKKAQ	SIVDYRTEHGP	FKTAADLT	TKVKGIGEA	TIKKNED	90
NTDB id 1362	HI 1008	AAC22669.1		TQAEAQV.....APAVVSDKLNINTATASEIQKSLTGIGAKKA	EAI	VQYREKHGN	FXNAEQ	LLLEVQGIGKAT	LEKNRD	108
NTDB id 1382	A4U84	RS07375	WP 062924234.1	MQQ.VAA.....TQKVNANVNVINTATASEIQDKLVGIGAKKAQAI	VEYREKNGK	FLNVEQ	LTEVSGIGKAT	LEKNRD	108	
NTDB id 595	KW2	RS08725	WP 021037687.1	ESTDSPTGSSVSNQISTTS	GPKNINKADLTTELQK.LTGIGQKKAQDI	IDFRMKN	GNDFKSI	EDLGKVS	SGFGDKTLEKLKD	213
NTDB id 521	SMSK321	RS04960	WP 000443804.1	QHTGSGAP.....SSTS	SKDKKINLNKASLEELKQ.VKGLGGKRAQDI	IDHREANGKFKS	VDELKKVSGIGAK	TIIEKLKD	211	
NTDB id 493	SM12261	RS04300	WP 000387351.1	QQAGPGTA.....SSTSKEKKVNLN	KASLEELKQ.VKGLGGKRAQDI	IDHREANGKFKS	VDELKKVSGIGAK	TIIEKLKD	211	
NTDB id 153	SP	RS04730	WP 000387344.1	QQTGSGTA.....SSTSKEKKVNLN	KASLEELKQ.VKGLGGKRAQDI	IDHREANGKFKS	VDELKKVSGIGGKT	IEKLKD	211	
NTDB id 263	KZH43	RS04195	WP 000387330.1	QQTGLGTA.....SSISKEKKVNLN	KASLEELKQ.VKGLGGKRAQDI	IDHREANGKFKS	VDELKKVSGIGGKT	IEKLKD	211	
NTDB id 222	SPD	RS04535	WP 000387330.1	QQTGLGTA.....SSISKEKKVNLN	KASLEELKQ.VKGLGGKRAQDI	IDHREANGKFKS	VDELKKVSGIGGKT	IEKLKD	211	
NTDB id 188	SPR	RS04295	WP 000387330.1	QQTGLGTA.....SSISKEKKVNLN	KASLEELKQ.VKGLGGKRAQDI	IDHREANGKFKS	VDELKKVSGIGGKT	IEKLKD	211	
NTDB id 36	MW	RS08230	WP 001793467.1	PQIGVNS...VHVKN	GNNTNNTKVNLTASVSELMS.VPGVGQAKANA	IVEYRNQQGAFQE	IDDLKKVKGF	GSKTFDKLKS	224	
NTDB id 20	SA	RS08005	WP 001802022.1	PQIEVNS...VHVKN	GNNTNNTKVNLTASVSELMS.VPGVGQAKANA	IVEYRNQQGAFQE	IDDLKKVKGF	GSKTFDKLKS	224	
NTDB id 105	BSU 25590	NP 390437.1		QQGGGGS...VQ..SDGGKGALVNINTATLEELQG	ISGVGPSKAE	AIAYREENGR	FQTIEDIT	TKVSGIGES	FEKIKS	200
NTDB id 1069	ABD1	RS03060	WP 043960841.1	NSSKISQ...TK..NFNDSTGQIHLNQANVNEFQQ	LKGIGE	KKAQAI	VEYRQKNGS	FKNIDEIK	NVKGIGPAIFEKNKS	132
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	LSKPTQQ.....SGTG	VKNINSATAKELQQ.LHG	VGEKKALAI	VEYRQYQGFAS	VDDLQKVKGIGPKFIEKNRD	124	
NTDB id 29217	C8J	RS00050	WP 002866798.1	ALT.....AFLFGAVNINTATL	KELKS.LNGIGEAKAKS	SILEYRKE.ANFTS	IDDLKKVKGIGDKLFEKIKN	74		
NTDB id 1242	Cj0011c	YP 002343483.1		ALT.....AFLFGAVNINTATL	KELKS.LNGIGEAKAKA	ILEYRKE.ANFTS	IDDLKKVKGIGDKLFEKIKN	74		
NTDB id 1127	NGFG	RS10560	WP 003703428.1	FSC.....AFSLAAVNINAASQ	QLEA.LPGIGPAKAKA	IAEYRAQNGAFKS	VDDLKVKGIGPAVL	LAKLKD	109	
NTDB id 1126	NGFG	RS09375	WP 003703428.1	FSC.....AFSLAAVNINAASQ	QLEA.LPGIGPAKAKA	IAEYRAQNGAFKS	VDDLKVKGIGPAVL	LAKLKD	109	
NTDB id 1125	NGFG	RS07215	WP 003703428.1	FSC.....AFSLAAVNINAASQ	QLEA.LPGIGPAKAKA	IAEYRAQNGAFKS	VDDLKVKGIGPAVL	LAKLKD	109	
NTDB id 1108	NGFG	RS06525	WP 003703428.1	FSC.....AFSLAAVNINAASQ	QLEA.LPGIGPAKAKA	IAEYRAQNGAFKS	VDDLKVKGIGPAVL	LAKLKD	109	
consensus				***! !*! !* * !*! ****!***** ** !***** *!*!*! *****						

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	RILL.....	103
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	RILL.....	103
NTDB id 1395	DSB67	RS04445	WP 010649155.1	RILL.....	95
NTDB id 1294	VP	RS04495	WP 021449594.1	RILL.....	94
NTDB id 1362	HI 1008	AAC22669.1		RIIF.....	112
NTDB id 1382	A4U84	RS07375	WP 062924234.1	CIVIE.....	113
NTDB id 595	KW2	RS08725	WP 021037687.1	EISID.....	218
NTDB id 521	SMSK321	RS04960	WP 000443804.1	YVTVD.....	216
NTDB id 493	SM12261	RS04300	WP 000387351.1	YVTVD.....	216
NTDB id 153	SP	RS04730	WP 000387344.1	YVTVD.....	216
NTDB id 263	KZH43	RS04195	WP 000387330.1	YVTVD.....	216
NTDB id 222	SPD	RS04535	WP 000387330.1	YVTVD.....	216
NTDB id 188	SPR	RS04295	WP 000387330.1	YVTVD.....	216
NTDB id 36	MW	RS08230	WP 001793467.1	YFTI.....	228
NTDB id 20	SA	RS08005	WP 001802022.1	YFTI.....	228
NTDB id 105	BSU 25590	NP 390437.1		SITVK.....	205
NTDB id 1069	ABD1	RS03060	WP 043960841.1	RLAL.....	136
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	RLAI.....	128
NTDB id 29217	C8J	RS00050	WP 002866798.1	DITVE.....	79
NTDB id 1242	Cj0011c	YP 002343483.1		DITIE.....	79
NTDB id 1127	NGFG	RS10560	WP 003703428.1	QASVGAPAPKGP	PAKPVLPAVKK 131
NTDB id 1126	NGFG	RS09375	WP 003703428.1	QASVGAPAPKGP	PAKPVLPAVKK 131
NTDB id 1125	NGFG	RS07215	WP 003703428.1	QASVGAPAPKGP	PAKPVLPAVKK 131
NTDB id 1108	NGFG	RS06525	WP 003703428.1	QASVGAPAPKGP	PAKPVLPAVKK 131
consensus				***	

 non conserved
 similar
 $\geq 50\%$ conserved