

logo

NTDB id 1306 DR RS10060 WP 027479822.1	MALSI GDRRLGAILLDQGYLGDN DLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR	80
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 385928 FOT12 RS08925 WP 003689817.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
consensus		

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NTDB id 1306 DR RS10060 WP 027479822.1	SIRPQTALNLQAFPPFALEGDRRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEI WVPSGASDA	160
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 385928 FOT12 RS08925 WP 003689817.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
consensus		

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NTDB id 1306 DR RS10060 WP 027479822.1	GRTGGKLGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVLGSM	240
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 385928 FOT12 RS08925 WP 003689817.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
consensus		

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NTDB id 1306 DR RS10060 WP 027479822.1	LRADALRLLAVPVDETEQGVTVLTS DPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGR LGEQLVQEGT LSRDQL	320
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 385928 FOT12 RS08925 WP 003689817.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
consensus		

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NTDB	id	1306	DR	RS10060	WP	027479822.1	REALQVQAREGKVKPLGEVITELGFASPDVDSALQKQNVGGRL	EDTLVQSGKLSPEMLARS	LAAQLGYEFLDPIQNPP	400		
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	MLTNLVAILLRQAELISATQEQA	VVTQVSASGTSVPEALLELSIFHAQELTEQL	LSHIFGLPETDLSRYDY	69		
NTDB	id	1293	VP	RS12240	WP	005479695.1	MHSNLSLTLRQKGLLTFSQEESL	IEQVKASGISMPEALLSSGFFTSSELA	EHLSSIFGLSQPELSQY	69		
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	MLTNLSLTLRQAGILLTFSQEESL	LEQVKASGISMPEALLSSGFFGSHEL	TEHLSVFGLSCTSLNQY	69		
NTDB	id	385928	FOT12	RS08925	WP	003689817.1	MSVGLLRLLVQNKQVVTVEQA	EHYY.NESQAGKEVLPMLFSDGV	ISPKSLAALIA	RVFSYSIDLRLHYPR	68	
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	MSVGLLRLLVQNKQVVTVEQA	EHYY.NESQAGKEVLPMLFSDGV	ISPKSLAALIA	RVFSYSIDLRLHYPR	68	
NTDB	id	1251	GC085	RS07725	WP	011946523.1	...MALATEEYRLQCTGQLLVLEKLLDKTKA	IELHKLAAAEKISLLQYIVKNKILSAEQ	IALTAAQNF	GVPMLDINCIDV	77	
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	...MSAFTTPPKFSGFIRRLVEEGYVNAQNM	QQALEKAKKFKQDIVPYLIDNFSISPLT	IAEITISLEF	GEPLDLGVFDP	77	
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	...MSALHTSPKFTGFFRRLVBEKHVSAAT	MTQALDAAKRAKQD	TVAYLIEEVHLSPSL	LAETISAEFAE	PEYFDLDVYDT	77
consensus							* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	

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NTDB	id	1306	DR	RS10060	WP	027479822.1	DPKVALMIP [*] EATARRYV [*] VVPRLQGNSLVVAMKDPRNVFALDDLLKLITGKEILPAVMAEKD [*] IIRLIERYFGCEKGFEKLNK	480
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	ANLCQQQLGLRELITRYDALPIAKQCENL [*] LLAVSDPTLLQAEEEEFRFATGLQVELALADHRA [*] LQA [*] AIRRLYGRSIQGAANQ	149
NTDB	id	1293	VP	RS12240	WP	005479695.1	ASLCQQQLGLRELITRHNALPLHRTPTSTLL [*] LLAVADPTNQQAEDDFRFATGLQVELVLADFRELSTA [*] IRRLYGRSLSEKSG	149
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	ASLCQTLLGLRDLTIRHNALPLNR [*] TSS [*] TLLAVADPTNLQAEDDFRFATGLQVELVLADFRELTA [*] AIRRLYGRSLGKEKS	149
NTDB	id	385928	FOT12	RS08925	WP	003689817.1	HRVLMGVLTETBQMVEFHCVPVFRRGDKVFFAVS [*] DPTQMPQIQKT [*] VSAAAGIAVELVIVEDDQLAGLLDWGSRSTSL..LQ	146
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	HRVLMGVLTETBQMVEFHCVPVFRRGDKVFFAVS [*] DPTQMPQIQKT [*] VSAAAGIAVELVIVEDDQLAGLLDWGSRSTSL..LQ	146
NTDB	id	1251	GC085	RS07725	WP	011946523.1	G [*] TIPVNLVNEKLIKRHAMVPLFSRGTNLYLATDPSKQASLK [*] EIQFHTGLNTHAIVETDKLSALIDNLLTAKESQGLSE	157
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	ALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMD [*] AIRFNSKLLKVEP [*] IIVEHDKLERLLSEHFVEETHFNFD [*] T	157
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	SQTPKDLVDQKLLIKKHRIPLLIQRGGQILYVATSNSPNIEAIDAIRFNSKLLLEVP [*] IIVEHHKLEKVLGQHFAEES [*] SFDFND	157
consensus							* * * * *	

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NTDB id 1306	DR RS10060 WP 027479822.1	EL.....AE..RNKTQSQSEADLSVA	DESAIVQVVDSTIREAALQDASDIHIETTEDAV	KVRYRIDGALREQNSFP	549
NTDB id 1168	A1552VC RS11070 WP 000957200.1	GK...EISQDELANLVKVSDELQSTEDLSQ	DDSPVSRFINQVLLDAVRKGASDIHFEPYENQYR	IRLRCDGILVETQPPA	227
NTDB id 1293	VP RS12240 WP 005479695.1	LK...EINQEELASLVVGADEIDNIEDLSQ	DDSPVSRYINQILLDAVRKGASDIHFEPYEKMYR	VRRLRCDGILIIETQPP	227
NTDB id 1401	DSB67 RS12665 WP 010643259.1	LK...EINQDELAGLVDIGEIDENIEDLSQ	DDSPVSRYINQILLDAVRKGASDIHFEPYENMYR	VRRLRCDGILIEIQPP	227
NTDB id 385928	FOT12 RS08925 WP 003689817.1	EL.....GEGGEEESHTLYIDNEEA	EDGPVPRFIHKTLSDALRSGASDIHFEFYEHNAR	IRFRVDGQLREVVQPP	217
NTDB id 1110	NGFG RS09235 WP 003689817.1	EL.....GEGGEEESHTLYIDNEEA	EDGPVPRFIHKTLSDALRSGASDIHFEFYEHNAR	IRFRVDGQLREVVQPP	217
NTDB id 1251	GC085 RS07725 WP 011946523.1	YVEDSGDLEGLEISAD.DEDQDIDTATSVT	DDAPIVKFVNKILLDAIRQGASDIHFEPYEREYR	IRYRQDQILHEVATPP	236
NTDB id 1018	ACIAD RS01685 WP 004920473.1	E...ELD...LDVEVDPHTTDDDDDEDK	KLDEAPIVKYINKLLIDAIRMSASDLHFEPYEKS	YRVRYRVDGVLRLIATPP	231
NTDB id 1058	ABD1 RS01615 WP 001274986.1	E...EFD...LDVNLGPTAQEDEDAPQG	DEAPIVKYINKLLIDAIRMGASDLHFEPYEKS	YRVRYRVDGVLRLQIANPP	231
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NTDB id	1306	DR	RS10060	WP	027479822.1
NTDB id	1168	A1552VC	RS11070	WP	000957200.1
NTDB id	1293	VP	RS12240	WP	005479695.1
NTDB id	1401	DSB67	RS12665	WP	010643259.1
NTDB id	385928	FOT12	RS08925	WP	003689817.1
NTDB id	1110	NGFG	RS09235	WP	003689817.1
NTDB id	1251	GC085	RS07725	WP	011946523.1
NTDB id	1018	ACIAD	RS01685	WP	004920473.1
NTDB id	1058	ABD1	RS01615	WP	001274986.1
consensus					



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NTDB id	1306	DR	RS10060	WP	027479822.1
NTDB id	1168	A1552VC	RS11070	WP	000957200.1
NTDB id	1293	VP	RS12240	WP	005479695.1
NTDB id	1401	DSB67	RS12665	WP	010643259.1
NTDB id	385928	FOT12	RS08925	WP	003689817.1
NTDB id	1110	NGFG	RS09235	WP	003689817.1
NTDB id	1251	GC085	RS07725	WP	011946523.1
NTDB id	1018	ACIAD	RS01685	WP	004920473.1
NTDB id	1058	ABD1	RS01615	WP	001274986.1
consensus					



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465
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475
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469

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NTDB id	1306	DR	RS10060	WP	027479822.1
NTDB id	1168	A1552VC	RS11070	WP	000957200.1
NTDB id	1293	VP	RS12240	WP	005479695.1
NTDB id	1401	DSB67	RS12665	WP	010643259.1
NTDB id	385928	FOT12	RS08925	WP	003689817.1
NTDB id	1110	NGFG	RS09235	WP	003689817.1
NTDB id	1251	GC085	RS07725	WP	011946523.1
NTDB id	1018	ACIAD	RS01685	WP	004920473.1
NTDB id	1058	ABD1	RS01615	WP	001274986.1
consensus					



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NTDB id	1306	DR	RS10060	WP	027479822.1
NTDB id	1168	A1552VC	RS11070	WP	000957200.1
NTDB id	1293	VP	RS12240	WP	005479695.1
NTDB id	1401	DSB67	RS12665	WP	010643259.1
NTDB id	385928	FOT12	RS08925	WP	003689817.1
NTDB id	1110	NGFG	RS09235	WP	003689817.1
NTDB id	1251	GC085	RS07725	WP	011946523.1
NTDB id	1018	ACIAD	RS01685	WP	004920473.1
NTDB id	1058	ABD1	RS01615	WP	001274986.1
consensus					



887
562
561
561
558
558
574
570
570

 non conserved
 similar
 $\geq 50\%$ conserved