

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 328109 EGH11 RS09990 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 328109 EGH11 RS09990 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	GRTGGKLGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFGHPGEEVLGSM	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 328109 EGH11 RS09990 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 DPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLGEQLVQEGT 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 328109 EGH11 RS09990 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	MLTNLSLTVLRQAGILLTFSQEESL	LEQVKASGISMPEALLSSGFFQSHELTEH	LSVFGLSCTSLNQY	69		
NTDB	id	328109	EGH11	RS09990	WP	003689817.1	MSVGLLRLLVQNNQVVTVEQAEHYY	.NESQAGKEVLPMLFSDGVISP	KSALAALIARVFSYSIDL	RHYPR	68	
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	MSVGLLRLLVQNNQVVTVEQAEHYY	.NESQAGKEVLPMLFSDGVISP	KSALAALIARVFSYSIDL	RHYPR	68	
NTDB	id	1251	GC085	RS07725	WP	011946523.1	...MALATEEYRLQCTGQLLVLEKLLDKTKA	IELHKLAAAEKISLLQYIVKNKILSAEQ	IALTAAQNFQVPM	LDINCIDV	77	
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	...MSAFTTPPKFSGFIRRLVEEGYVNAQNM	QQALEKAKKFKQDIVPYLIDNFSISPLT	IAEITISLEFGEPL	LDLGVFDP	77	
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	...MSALHTSPKFTGFRRLLVEEKHVS	AATMQTALDAAKRAKQD	TVAYLIEEVHLSPSL	LAETISAEFAEPYFD	LDVYDT	77
consensus							* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	

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NTDB id 1306	DR RS10060 WP 027479822.1	DPKVALMIP [*] EATARRYV [*] VVPRLQGNSLVVAMKDPRNVFALDDLKLTIGKEILPAVMAEKDITIRLIERYFGEKGFEKLNK	480
NTDB id 1168	A1552VC RS11070 WP 000957200.1	ANLCQQQLGLRELITRYDALPIAKQCENLLLAVSDDPTLLQAEEEFRRFATGLQVELALADHRAIQAIAIRRLYGRSIQGAANQ	149
NTDB id 1293	VP RS12240 WP 005479695.1	ASLCQQQLGLRELITRHNALLPHRTTPSTLLLAVADPTNQQAEDDFRFATGLQVELVLADFRELSTAIRRLLYGRSLSEKSG	149
NTDB id 1401	DSB67 RS12665 WP 010643259.1	ASLCQTLLGLRDLTTRHNALLPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLADFRELTAIAIRRLYGRSLGKEKS	149
NTDB id 328109	EGH11 RS09990 WP 003689817.1	HRVLMGVLTETEQMVVEFHCVPVFRRGDKVFFAVSDPTQMPPQIQKTVSAAAGIAVELVIVEDDQLAGLLDWGSRSTSL..LQ	146
NTDB id 1110	NGFG RS09235 WP 003689817.1	HRVLMGVLTETEQMVVEFHCVPVFRRGDKVFFAVSDPTQMPPQIQKTVSAAAGIAVELVIVEDDQLAGLLDWGSRSTSL..LQ	146
NTDB id 1251	GC085 RS07725 WP 011946523.1	G [*] TIPVNLVNEKLIKRRHAMVPLFSRGTNLYLATDPSKQASLKEIQFHTGLNTHAIVETDKLSALIDNLLTAKESSQGLSE	157
NTDB id 1018	ACIAD RS01685 WP 004920473.1	ALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNTEAMDIAIRFNSKLLKVPEIIVEHDKLERLLSEHFVEETHFNFD	157
NTDB id 1058	ABD1 RS01615 WP 001274986.1	SQTPKDLVDQKLLIKKHRIPLLIQRGGQILYVATSNSPNSIEAIDAIRFNSKLLLEVPIVEHHKLEKVLGQHFAEESSFDFND	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	VRLRCDGILIIETQPP	227
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	LK...EINQDELAGLVDIGEIDENIEDLSQ	DDSPVSRYINQILLDAVRKGASDIHFEPYENMYR	VRLRCDGILIEIQPP	227
NTDB	id	328109	EGH11	RS09990	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	IRYRQDGIHEVATPP	236
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	E...ELD...LDVEVDPHTTDDDDDEDK	KLDEAPIVKYINKLLIDAIRMSASDLHFEPYEKS	YRVRYVDGVLRLIATPP	231
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	E...EFD...LDVNLDGPTAQEDEDAPQG	DEAPIVKYINKLLIDAIRMGASDLHFEPYEKS	YRVRYVDGVLRLQIANPP	231
consensus							* * * * *	* * * * *	* * * * *	* * * * *

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NTDB	id	1306	DR	RS10060	WP	027479822.1	KGA	AQ	Q	I	M	A	R	K	I	M	G	H	L	D	I	A	E	R	R	V	P	Q	D	G	R	V	R	.	F	K	G	S	I	D	L	D	L	R	L	S	T	L	P	T	V	Y	G	E	K	A	V	M	R	L	L	Q	K	A	S	N	I	P	E	L	Q	L	G	F	S	E	Y	N	Y	627							
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	S	H	L	S	R	L	A	A	R	I	K	I	L	S	K	L	D	I	A	E	R	R	L	P	Q	D	G	R	I	K	L	R	L	S	R	.	D	T	A	I	D	M	R	V	S	T	L	P	T	L	W	G	E	K	I	V	L	R	L	L	D	S	S	A	A	N	L	D	I	D	K	L	G	Y	N	P	Q	Q	K	306	
NTDB	id	1293	VP	RS12240	WP	005479695.1	N	H	L	S	R	L	S	A	R	I	K	I	L	S	K	L	D	I	A	E	R	R	L	P	Q	D	G	R	I	K	L	K	L	N	Q	.	D	T	A	I	D	M	R	V	S	T	L	P	T	L	F	G	E	K	I	V	L	R	L	L	D	S	S	A	S	L	D	I	D	K	L	G	Y	S	E	Q	Q	K	306		
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	S	H	L	S	R	L	S	A	R	I	K	I	L	S	K	L	D	I	A	E	R	R	L	P	Q	D	G	R	I	K	L	K	L	N	Q	.	D	T	A	I	D	M	R	V	S	T	L	P	T	L	F	G	E	K	I	V	L	R	L	L	D	S	S	A	A	L	D	I	N	K	L	G	Y	S	D	S	Q	K	306		
NTDB	id	328109	EGH11	RS09990	WP	003689817.1	I	A	V	R	G	Q	L	A	S	R	I	K	V	M	S	R	L	D	I	S	E	K	R	I	P	Q	D	G	R	M	Q	L	T	F	Q	.	K	G	G	K	P	V	D	F	R	V	S	T	L	P	T	L	F	G	E	K	V	M	R	I	L	N	S	D	A	A	S	L	N	I	D	Q	L	G	F	E	P	F	Q	K	297
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	I	A	V	R	G	Q	L	A	S	R	I	K	V	M	S	R	L	D	I	S	E	K	R	I	P	Q	D	G	R	M	Q	L	T	F	Q	.	K	G	G	K	P	V	D	F	R	V	S	T	L	P	T	L	F	G	E	K	V	M	R	I	L	N	S	D	A	A	S	L	N	I	D	Q	L	G	F	E	P	F	Q	K	297
NTDB	id	1251	GC085	RS07725	WP	011946523.1	A	S	L	S	S	R	I	T	A	R	I	K	V	M	S	N	L	D	I	S	E	R	R	I	P	Q	D	G	G	F	K	M	K	I	S	K	.	S	R	A	I	D	F	R	V	S	T	C	P	T	S	A	G	E	K	V	M	R	V	L	D	S	G	A	A	K	L	G	I	E	A	L	G	F	N	P	V	Q	R	315	
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	L	Q	L	A	T	R	L	A	S	R	I	K	V	M	S	Q	M	D	I	S	E	K	R	V	P	Q	D	G	R	I	K	L	K	M	S	K	.	S	K	T	I	D	F	R	V	N	S	L	P	T	L	F	G	E	K	I	V	L	R	I	L	D	P	A	S	A	M	L	G	I	D	A	L	G	Y	E	P	E	Q	K	310
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	L	Q	L	A	N	R	L	A	S	R	I	K	V	M	S	Q	M	D	I	S	E	K	R	V	P	Q	D	G	R	I	K	L	K	L	S	K	.	S	K	A	I	D	F	R	V	N	S																																		

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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	328109	EGH11	RS09990	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	328109	EGH11	RS09990	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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logo

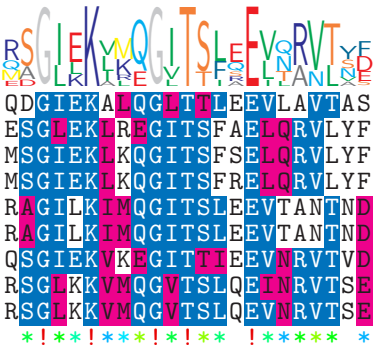
NTDB id	1306	DR	RS10060	WP	027479822.1
NTDB id	1168	A1552VC	RS11070	WP	000957200.1
NTDB id	1293	VP	RS12240	WP	005479695.1
NTDB id	1401	DSB67	RS12665	WP	010643259.1
NTDB id	328109	EGH11	RS09990	WP	003689817.1
NTDB id	1110	NGFG	RS09235	WP	003689817.1
NTDB id	1251	GC085	RS07725	WP	011946523.1
NTDB id	1018	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	328109	EGH11	RS09990	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