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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 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 176847 A4W93 RS24650 WP 085753130.1		0
NTDB id 1110 NGFG RS09235 WP 003689817.1		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 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 176847 A4W93 RS24650 WP 085753130.1		0
NTDB id 1110 NGFG RS09235 WP 003689817.1		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 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 176847 A4W93 RS24650 WP 085753130.1		0
NTDB id 1110 NGFG RS09235 WP 003689817.1		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 1251 GC085 RS07725 WP 011946523.1	MALA.....	4
NTDB id 1058 ABD1 RS01615 WP 001274986.1	MSAL.....	4
NTDB id 1018 ACIAD RS01685 WP 004920473.1	MSAF.....	4
NTDB id 176847 A4W93 RS24650 WP 085753130.1	MPVDTLVE.....	8
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
consensus		

NTDB id	1306	DR RS10060 WP 027479822.1	REALQVQAREGKVPKEGVITELGFASPDVEDSALQKQNVGGGRLEDTLVQSGLSPPEMLARSLLAAQLGYEFLDPIQNPP	400
NTDB id	1168	A1552VC RS11070 WP 000957200.1	MLTNLVAILLRQAELISATQEAVVTQVSASGTSVPEALLLELSIFHAQELTEQLSHIFGLPETDLRSYDY	69
NTDB id	1293	VP RS12240 WP 005479695.1	MHSNLSLTILRKQGILLTFSQEESLIEQVKASGISMPPEALLSSGFFTSSELAEHSSIFGLSQPELSQYEY	69
NTDB id	1401	DSB67 RS12665 WP 010643259.1	MLTNLSLVLRQAGILTFSQEESSLIEQVKASGISMPPEALLSSGFFQSHEHLETHLSVFGLSCTSLNQYEY	69
NTDB id	1251	GCO85 RS07725 WP 011946523.1	TEEYRLQGTIGLLVLLEKLILDKTKAIELHLKLAAEKISLLIQYIVKNKIISAEQIALTAANFQGVPMLDINCIDV	77
NTDB id	1058	ABD1 RS01615 WP 001274986.1	HTSPKFTGFFRRLLVEEKHVSAAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAFAEPYFDLDVYDT	77
NTDB id	1018	ACIAD RS01685 WP 004920473.1	TTPPKFSGFIRRLVEEGYVNNAQNMQQALEKAKKKFKQDIVPYLIDNFSISPLTTIAEIIISLEFGEPLL DLGV FDP	77
NTDB id	176847	A4W93 RS24650 WP 085753130.1	APQSSLSGVARVLVHACKLNAKTAEDLVKSSKEKKT SFISSVIAGGAITSADLAHTLSAALALPVM D INAVDL	81
NTDB id	1110	NGFG RS09235 WP 003689817.1	MSVGLLRLLVLQNQVVTV EQAEHYYNESQAG.KEVLPMLFSDGVISPKS LAAL I ARV FSYSL L DR HYP R	68
consensus			***** * * * * *	

NTDB id 1306	DR RS10060 WP 027479822.1	DPKVALMIPEATARRYVVPVRLQGNSLVVAMKDPRNVFALDDLKLTITGKEILPAVMAEKDIIRLTIERYFGEKGF...	476
NTDB id 1168	A1552VC RS11070 WP 000957200.1	ANLCQQLGLRELITTRYDALPLIAKQGNLILLAVSDPTLLQAEEEFRFATGLQVELALADHRAIQAAIRRLYGRSIIQGAANQ	149
NTDB id 1293	VP RS12240 WP 005479695.1	ASLCQQLGLRELITRHNALPLHRTPTSTLLLA VADPTNQQAEDDFRFATGLQVELVLADFRELSTAIRRLYGRSLSHEKSG	149
NTDB id 1401	DSB67 RS12665 WP 010643259.1	ASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLADFRELSTAIRRLYGRSLSGQKSG	149
NTDB id 1251	GC085 RS07725 WP 011946523.1	GTIPVNLVNEKLIKRRHAMPVLSFRGTNLVLYATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESG...	154
NTDB id 1058	ABD1 RS01615 WP 001274986.1	SQIPKDLVDQKLILKHRILPLIQRGQILYVATSNPSNTEAIDAIRFNSKLLVEPVIVEHHKLEKVLGQHFAEES.SF...	153
NTDB id 1018	ACIAD RS01685 WP 004920473.1	ALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSKLLKVEPIIVEHDKLERLLSEHFVEET.HF...	153
NTDB id 176847	A4W93 RS24650 WP 085753130.1	QRIPRNVIDTKLASQVQVLVLGKRGNRLFIGGADPTDQEAVERIKFATQLSPEWVILEHDKLAKILEDSGASAT.ET...	157
NTDB id 1110	NGFG RS09235 WP 003689817.1	HRVLMGVLTEEGVVEFHCVPVFRRGDKVFFFAVSDPTQMPQIQKTVSAAIGLAVLEVIEDDQLAGLLDWVGRSRST.SL...	144
consensus		* * * * *	

NTDB id 1306	DR RS10060 WP 027479822.1	..KLNKFLA.....ERNKTTQQSQEADLSVA	DESAIVQVVDSTIREAALQDASDIHIETT	EDAVKVRVRI	DGALREQN	546			
NTDB id 1168	A1552VC RS11070 WP 000957200.1	GKEISQDELA....NLVKVSDDELQSI	EDLSQDDSPVSRFINQVLLDAVRK	GASDIHFEPYENQYRIRLR	CDGILVETQ	224			
NTDB id 1293	VP RS12240 WP 005479695.1	LKEINQEELA....SLVDVGAD	EIDNIEDLSQDESPVSR	YINQILLDAVRK	GASDIHFEPYEKMYRVRLR	CDGILLETQ	224		
NTDB id 1401	DSB67 RS12665 WP 010643259.1	LKEINQDELA....GLVDIGE	EINIEDLSQDESPVSR	YINQILLDAVRK	GASDIHFEPYENKMYRVRLR	CDGILLETQ	224		
NTDB id 1251	GCO85 RS07725 WP 011946523.1	LSYEYVEDSGLEGLEISAD	.DEDQDIDTATSVTDDAPIVK	FVNKILLDAIRK	GASDIHFEPYEREYRIRYRQ	DGILHEVA	233		
NTDB id 1058	ABD1 RS01615 WP 001274986.1	..DFNDEEFD...LDVNL	DGPTAQEDEEEAPQGD	EAPIVKYINKLLIDAIR	MGASDLHFEPYEKS	YRVRYRV	DGVLRLQIA	228	
NTDB id 1018	ACIAD RS01685 WP 004920473.1	..NFDTEELD...LDVEV	DPHTTDDDED	DKLKD	EAPIVKYINKLLIDAIR	MSASDLHFEPYEKS	YRVRYRV	DGVLRLIA	228
NTDB id 176847	A4W93 RS24650 WP 085753130.1	LENIVGGDFE...FDVSD	DESAA	PETQEVTVDV	EDAPVVRFLQKMLIDA	INSRASDLHFEPYEFH	YRVRFVR	DGELREIT	234
NTDB id 1110	NGFG RS09235 WP 003689817.1	LQLELGGEGEE...E.....	ESHTLYIDNEEA	EDGPVPRFIHKTLS	DALRSASDIHFEYEHNA	RIRFRV	DGQLREV	214	
consensus		* * * * *	* * * *	*	***G**P**F**I**H**K**T**L**S**D**A**L**R**S**A**S**D**I**H**F**E**Y**E**H**N**A**R**I**R**F**R**V**D**G**Q**L**R**E**V	* * * * *	* * * * *		

NTDB id	1306 DR RS10060 WP 027479822.1	SFPKGAAQQTIMARLKIIGHLDIAERRVPQDGRVRFK..KGSIDLRLRSLTLPITYGEKAVMRLILQAASNIPELEQLGFSE	624
NTDB id	1168 A1552VC RS11070 WP 000957200.1	QPASHLSRRLLAARIKLISKLDIAERRLPQGRIKLRISRD.TAIDMRVSTLTPLWGEEKIVLRILLDSSSAANLIDIKLGYNP	303
NTDB id	1293 VP RS12240 WP 005479695.1	QQPNHLSRRLSARIAKILSKLDIAERRLPQDGRIKKLNQ.DTAIDMRVSTLTPTLFGEKIVLRILLDSSSALDIKDGLGYE	303
NTDB id	1401 DSB67 RS12665 WP 010643259.1	QQPSHLRSRLLSARIAKILSKLDIAERRLPQDGRIKKLNQ.DTAIDMRVSTLTPTLFGEKIVLRILLDSSSAALDKNKLGYSD	303
NTDB id	1251 GC085 RS07725 WP 011946523.1	TPPASLSSRTITARIKVMSNLDISERRIPQDGGFKMKISK.SRAIDFRVSTCPTSAGEKVVVRVLDSGAAKGLIEALGFLNP	312
NTDB id	1058 ABD1 RS01615 WP 001274986.1	NPPQLLANRLASRLVKVMSQMDisEKRVDPQDGRIKKLKLSK.SKAIIDFRVNSLPTTFGEKLVLRILDIPSAMMLGIDA LGYEE	307
NTDB id	1018 ACIAD RS01685 WP 004920473.1	TPPLQLATRLASRLVKVMSQMDisEKRVDPQDGRIKKLMKS.KKTIDFRVNSLPTTFGEKIVLRILDIPASAMMLGIDA LGYPE	307
NTDB id	176847 A4W93 RS24650 WP 085753130.1	QQPIAITKDKLASRIKVTISRMDIAEKRPVDGRMCLKKF.GNKSIDFNRVSTLTPTLFGEKIVIRILLDSSSAKGLIEALGYEK	312
NTDB id	1110 NGFG RS09235 WP 003689817.1	QPPIIAVRGQLLARIKVMSRLDISKRIPQDGRMQTLTFQKGGKPVDFRVSTLTPTLFGEKVVMRIINSDAASNIDQLGFEP	294
consensus		* ** * **** * ***** *	

 non conserved
 similar
 $\geq 50\%$ conserved