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				MSXLRIGDRRLGAALLDQGYLGDNDLQRALERHSEVGGRLAELVLYDGGYERRIASXIEEFGIPLVNLHNVETSPXXK	
NTDB id 1306	DR RS10060	WP 027479822.1		.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL	79
NTDB id 1028	TT RS08215	WP 011173991.1		MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1384	A4U84 RS08525	WP 010787006.1		.....	0
NTDB id 1355	HI 0298 AAC21962.1			.....	0
NTDB id 1366	NTHI RS01950	WP 011271972.1		.....	0
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 1110	NGFG RS09235	WP 003689817.1		.....	0
NTDB id 1251	GCO85 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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				RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA	
NTDB id 1306	DR RS10060	WP 027479822.1		ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSEEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	157
NTDB id 1028	TT RS08215	WP 011173991.1		.....	158
NTDB id 1384	A4U84 RS08525	WP 010787006.1			0
NTDB id 1355	HI 0298 AAC21962.1				0
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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 1110	NGFG RS09235	WP 003689817.1		.....	0
NTDB id 1251	GCO85 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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				SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEQEGTTFLPNPSGFHPGEEVL	
NTDB id 1306	DR RS10060	WP 027479822.1		SGEGQKDKLKGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	237
NTDB id 1028	TT RS08215	WP 011173991.1		.....	237
NTDB id 1384	A4U84 RS08525	WP 010787006.1		.....	0
NTDB id 1355	HI 0298 AAC21962.1			.....	0
NTDB id 1366	NTHI RS01950	WP 011271972.1		.....	0
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 1110	NGFG RS09235	WP 003689817.1		.....	0
NTDB id 1251	GCO85 RS07725	WP 011946523.1		.....	0
NTDB id 1018	ACIAD RS01685	WP 004920473.1		.....	0
NTDB id 1058	ABD1 RS01615	WP 001274986.1		.....	0
consensus					

NTDB id 1306	DR RS10060 WP 027479822.1	GSMLRADALRLLAVPVDETEQQVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRGLGEQLVQEGTLSR	317
NTDB id 1028	TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPPQKNRLGEVLVQEGKLSR	317
NTDB id 1384	A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1355	HI 0298 AAC21962.1	.....	0
NTDB id 1366	NTHI RS01950 WP 011271972.1	.....	0
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 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			

NTDB	id	1306	DR	RS10060	WP	027479822.1	DQLREALQVQAREGKVKP	LGEVI	TELGFASPDEVD	SALQKQNVGGGR	LEDTLVQS	GKLSP	EMLARS	LAAQLGYEFLDPIQ	397
NTDB	id	1028	TT	RS08215	WP	011173991.1	EALKEALEVQKGLPRAKP	LGEIL	VELGLARPEDVEEA	LQKQRRGGGR	LEDTLVQS	GKLRPEA	LAQAVATQLGYPYVDPEE	397	
NTDB	id	1384	A4U84	RS08525	WP	010787006.1	.....	MSQYTI	....	CEQQTERIFD	.....			16	
NTDB	id	1355	HI	0298	AAC21962.1	.....	MTSY	ALLHTQRVTAKNGEVFT	.....					21	
NTDB	id	1366	NTHI	RS01950	WP	011271972.1	.....	MTSY	ALLHTQRVTAQNGEIFT	.....				21	
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	MLTN	VAILRQAELISATQE	QAVVTQVSASGT	SVPEALL	ELSIFHAQELTEQ	LSHIFGLPETDL	SR	66	
NTDB	id	1293	VP	RS12240	WP	005479695.1	MHSN	STILRLQKGLITFS	QEESLIEQVKASGI	MPAELLSS	GFFTSSLEAHLSSI	FGLSQPELSQ		66	
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	MLTN	LSVLTRQAGILITS	QEESSLIEQVKASGI	SMPEALLSS	GFFTSHELTEHLS	SVFGLSCTSLNQ		66	
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	MSVG	LLRLIVQNQVVTV	EQAEHY.NESQAG	KVEVLPMLFSD	GVISPKSLAAL	IARVFSYSILD	RH	65	
NTDB	id	1251	GC085	RS07725	WP	011946523.1	MALATEE	YRLQGIGQLVLE	KLDKTKAIELHK	LAAAEEKISLLQY	IVKNKILSAEQ	TALTAAQNF	GVPMLDINC	74	
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	MSAFTTP	PKFSGFIRRLVEE	GYVNAQNMQQAL	EKAKKFKQDIVPY	LIDNFSISPLTIAEI	ISLEFGEPLDL	GV	74	
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	MSALHT	SPKFTGFFRRLV	EEKHVSAATMQ	TALDAAKRAKQD	TVAYLIEEVHLS	PSPLLAEETISAE	FAPYFDLDV	74	
consensus								** ** *	*	*	* * * *	* * *	* * *		

NTDB	id	1306	DR RS10060 WP 027479822.1	NPPDPKVALN	IPEATARRRYVVV	PRLQNSL	VVAMKDPNRNV	FALDDKLKITG.....KE	ILPAVMAEKD	IIRLIERYFGE	472
NTDB	id	1028	TT RS08215 WP 011173991.1	DPPDPGAPLL	LPLPEDLCRRYGVFP	HRLEGNRL	VLLMKDPRNILALDD	VRLALKRKGLNYE	VAPAVATEAA	ITKLIERFYGK	477
NTDB	id	1384	A4U84 RS08525 WP 010787006.1	ISPSRWQKNCEEKQL	LLRRLAVPVQETEHKL	LWLAVDDENNLTACEIFA	FMTH.....KQ	IEPVIIVASDE	LKYLLNALSPSE	91	
NTDB	id	1355	HI 0298 AAC21962.1	ISPDLWERNQQQQSL	LLRRLFALPLKEENNR	LWLGVDLSNL	SACETIAFITG.....KP	VEPILESSQL	KELLQQLTPN	96	
NTDB	id	1366	NTHI RS01950 WP 011271972.1	ISPDLWERNQQQQSL	LLRRLFALPLKEENNR	LWLGVDLSNL	SACETIAFITG.....KP	VEPILESSQL	KELLQQLTPH	96	
NTDB	id	1168	A1552VC RS11070 WP 000957200.1	YDYANLCQQGL	RELITRYDALPLAKQGN	LLLVAVSDPTLLQAEEEF	RFRFATG.....LQ	VELALADHRA	LQAAIRRLYGR	141	
NTDB	id	1293	VP RS12240 WP 005479695.1	YEYASLCQQL	GLRELITRHNA	LPHRTPTSTLL	LVAADPTNQQAEDDF	RFRFATG.....LQ	VELVLADFREL	STAIRRLYGR	141
NTDB	id	1401	DSB67 RS12665 WP 010643259.1	YEYASLCQQL	GLRDITRHNA	LPLNRSTSTLL	LVAADPTNLQAEDDF	RFRFATG.....LQ	VELVLADFREL	TAIRRLYGR	141
NTDB	id	1110	NGFG RS09235 WP 003689817.1	YPRHRVLMGV	LTEEQMVEHCVPV	FRRGDKVF	FAVS DPTQMPQIQKT	VSAAG.....I	AVELVIVEDDQ	LAGLLDWGSR	140
NTDB	id	1251	GCO85 RS07725 WP 011946523.1	IDVG TIPVN	L VNEK L EKRHAMV	PLFSRGTNLY	LATDPSKQASLKET	IQFHTG.....LN	THAIVVETDK	LSALIDNLLTA	149
NTDB	id	1018	ACIAD RS01685 WP 004920473.1	FDPALFLKDK	IIDEKLIQKYRIM	PLVHRGHVLY	VATS NPTNIEAMD	AIRFN SK.....LK	VEPIIVEHDK	LERLLSEHFVE	149
NTDB	id	1058	ABD1 RS01615 WP 001274986.1	YDTSQIPKD	LVQDKLLKHRI	LPLIQRGQIL	VVATSNPSNIEA	D A I R F N S K.....LL	VEPVIVEHHK	L EKV LGQHFAE	149
consensus				*	* * *	* ! *	* * *	* * * * *	* * * * *	* * * *	

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NTDB id 1306 DR RS10060 WP 027479822.1
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NTDB id 1366 NTHI RS01950 WP 011271972.1
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

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NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

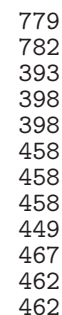
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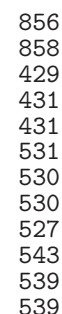

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NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

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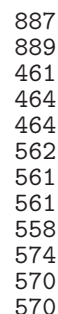
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consensus
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

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-  non conserved
-  similar
-  >50% conserved