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NTDB id 1366 NTHI RS01950 WP 011271972.1		0
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NTDB id 1468 ASU2 RS05090 WP 014991734.1		0
NTDB id 38949 SPUCDC RS00740 WP 000650595.1		0
NTDB id 1436 BW25113 RS00530 WP 001025145.1		0
NTDB id 1168 A1552VC RS11070 WP 000957200.1		0
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NTDB id 1401 DSB67 RS12665 WP 010643259.1		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 1410 SGL RS13950 WP 010873519.1	SEYFSAKAKELRAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLEIVVPSGA	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLEIVVPSGA	158
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NTDB id 1355 HI 0298 AAC21962.1		0
NTDB id 1384 A4U84 RS08525 WP 010787006.1		0
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NTDB id 1293 VP RS12240 WP 005479695.1		0
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NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
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consensus		

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NTDB id 1384	A4U84 RS08525 WP 010787006.1		0
NTDB id 1468	ASU2 RS05090 WP 014991734.1		0
NTDB id 38949	SPUCDC RS00740 WP 000650595.1		0
NTDB id 1436	BW25113 RS00530 WP 001025145.1		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 1251	GC085 RS07725 WP 011946523.1		0
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NTDB id 1058	ABD1 RS01615 WP 001274986.1		0
consensus			

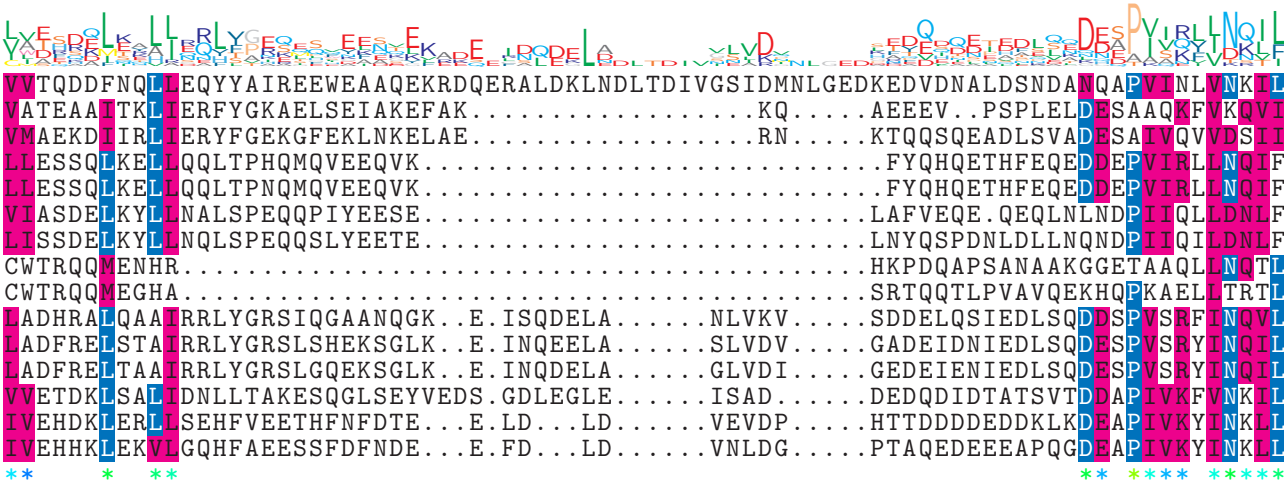
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NTDB id 1306	DR RS10060 WP 027479822.1	GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLGEQLVQEGTLSR	317
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NTDB id 1018	ACIAD RS01685 WP 004920473.1		0
NTDB id 1058	ABD1 RS01615 WP 001274986.1		0
consensus			

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NTDB	id	1028	TT	RS08215	WP	011173991.1	EALKEALEVQKGLPRAKPLGEIL	L	VELGLARPEDVEEALQKQRRGGGR	L	EDTLV	..QSGKLRPEALAQA		VATQL		388								
NTDB	id	1306	DR	RS10060	WP	027479822.1	DQLREALQVQAREGKVKPLGEV	T	TELGFASPDEVDSALQKQNVGGGR	L	EDTLV	..QSGKLSPEMLARS		LAAQL		388								
NTDB	id	1366	NTHI	RS01950	WP	011271972.1						MTSYA	LLHTQRVTAQ		NGEI	F	20							
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NTDB	id	1436	BW25113	RS00530	WP	001025145.1											0							
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1			MLTNLVAIL	R	QAE LISATQE	QAVVTQVSASGTS	V	PEAL	L	..ELSIFHAQE	I	TEQ		LSHI	F	57		
NTDB	id	1293	VP	RS12240	WP	005479695.1			MHSNLSTIL	R	QKGLLTFS	QEE SLIEQVKASGISM	P	EA LL	..SSGFFTSS	E	LA EH		LSSI	F	57			
NTDB	id	1401	DSB67	RS12665	WP	010643259.1			MLTNLSTVL	R	QAGILTFS	QEE SLLEQVKASGISM	P	EA LL	..SSGFFQSHE	L	TEH		LSSV	F	57			
NTDB	id	1251	GC085	RS07725	WP	011946523.1			MALATEEYRL	Q	GIGQL	L	VLEKLLDKTKAIELHKLAAA	E	KISLLQY	I	V	..KNKILSAEQ	I	ALT		AAQN	F	65
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1			MSAFTTPPKF	S	GFIRRL	V	E EGYVNAQNM	Q	QALEKAKKFKQD	I	VPYLI	..DNFSISPLT	I	AEI		ISLE	F	65
NTDB	id	1058	ABD1	RS01615	WP	001274986.1			MSALHTSPKFT	G	FFRR	L	VEEKHVSAATM	Q	TALDAAKRAKQD	T	VAYLI	..EEVHLSPSL	I	AE T		ISAE	F	65
consensus								*						*				*				*		

NTDB	id	1410	SGL RS13950 WP 010873519.1	GVDSDVDEPVAPIATQQMAELIGRFFPLDTCRRF	KFLPLAQQEGDPPS	VLVAMVDPDNLAQDELNRILRVKGF..ELRR	161
NTDB	id	1028	TT RS08215 WP 011173991.1	GYPYVDPEEDPPD....PGAPLLLPEDLCRRYGVFPHRLEG...NRLVLMLMKDPRNILALDDVR LALKRKGLNYEVAPA			460
NTDB	id	1306	DR RS10060 WP 027479822.1	CYEFLDPIQMPPD....PKVALMIPEATARRVVVPVRLQG...NSLVVAMKDPRNVFALDDLKLITG.....KEILPA			455
NTDB	id	1366	NTHI RS01950 WP 011271972.1	TISPD....LWERNQQQSLLLRYSFALPLKEEN...NRLWLGVDSLSNL SACETIAFITG.....KPVEPI			79
NTDB	id	1355	HI 0298 AAC21962.1	TISPD....LWERNQQQSLLLRYSFALPLKEEN...NRLWLGVDSLSNL SACETIAFITG.....KPVEPI			79
NTDB	id	1384	A4U84 RS08525 WP 010787006.1	DISPS....RWQKNCEEKQLLLRYLAVPVQETE...HKLWLAVDDENNLTACEIFAFMTH.....KQIEPV			74
NTDB	id	1468	ASU2 RS05090 WP 014991734.1	DISES....LWQKNCDEKHILLRSLAIPITQEND...DTLWLAIIDDMNLSACEIFAFIAH.....KTIEPV			73
NTDB	id	38949	SPUCDC RS00740 WP 000650595.1	MKDAQLNTLCQRHQAVLIN SAS...NSTTVAVVDAPSHALLDALHFATQ.....KQIDIIV			52
NTDB	id	1436	BW25113 RS00530 WP 001025145.1	MNIPQLTALCLRYHGVL DASE...E VHVHAVVDAPSHELLDALHFATT.....KR IEIT			52
NTDB	id	1168	A1552VC RS11070 WP 000957200.1	CLPETDL SRYDYA....NLCCQQLGLRELITRYDALPTAKQG...NLLLLAVSDPTTLQAEEFRFATG....LQVELA			124
NTDB	id	1293	VP RS12240 WP 005479695.1	CLSQP ELSQYEYA....SLCQQLGLRELITRHNALPLH RTP...STLL LAVADPTNQQAEDDFRFATG....LQVELV			124
NTDB	id	1401	DSB67 RS12665 WP 010643259.1	GLSCTSLNQYEYA....SLCQTGLGRDLITRHNALPLNRTS...STLL LAVADPTNLQAEDDFRFATG....LQVELV			124
NTDB	id	1251	GC085 RS07725 WP 011946523.1	GVPMLDINCIDVG....TIPVNLVNEKLIKRRHAMVPLFSRG...TNLYLATD DPSKQASLKEIQFHTG....LNTHAI			132
NTDB	id	1018	ACIAD RS01685 WP 004920473.1	GEPLLDLG VFDP A....LFLKDKIDEKLIQKKYRIMPLVHRG...HVLVYVATS NPTNTEAMDAIRFNSK....LKVEPI			132
NTDB	id	1058	ABD1 RS01615 WP 001274986.1	AEPYFDLDVYDTS....QIPKDLVDQKLIKLRHLPLIQRG...QILYVATS NPTNTEAMDAIRFNSK....LLVEPV			132
consensus				*	** * *	* ** * *	

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NTDB id	1410	SGL RS13950 WP 010873519.1
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consensus		



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NTDB id	1410	SGL RS13950 WP 010873519.1
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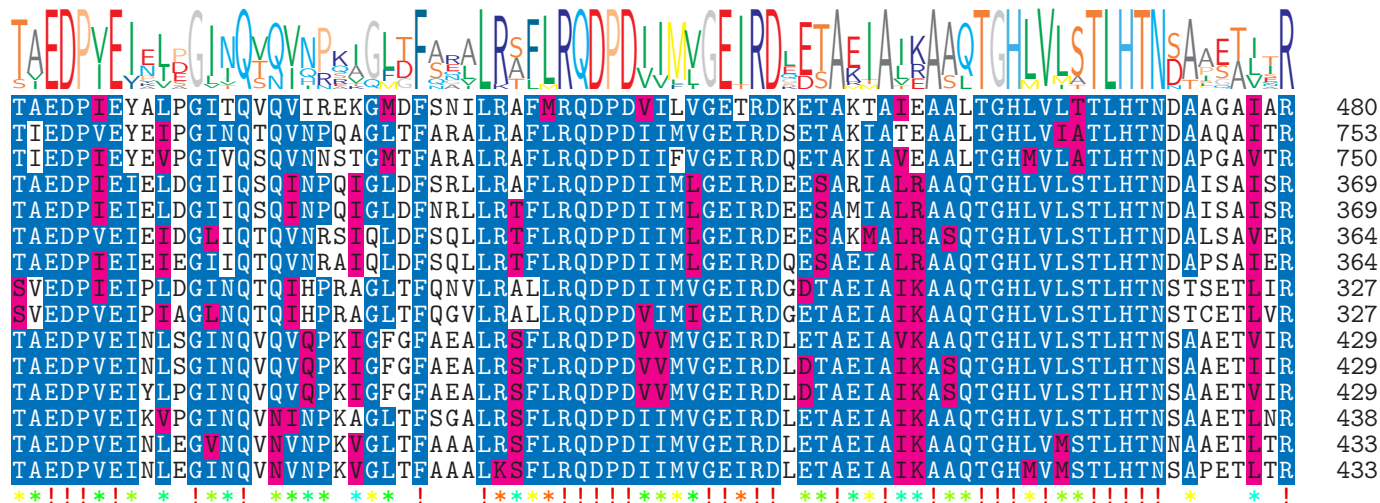


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NTDB id 1436 BW25113 RS00530 WP 001025145.1
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

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NTDB	id	1410	SGL	RS13950	WP	010873519.1	LDEMGVEPFMVSGSLGLVIAQRLMRKVCTECRIAYHPS.KEELSRFGLSASGDEVVTFYKANSLSPDEIHLARQKGNLCQ	559
NTDB	id	1028	TT	RS08215	WP	011173991.1	LDEMGVEPFNISAALIGVLSQRLVRRVCEHKVEVKPD.PETLRLRLGLSEAEIQ.....GA....RLYKGMGCCE	817
NTDB	id	1306	DR	RS10060	WP	027479822.1	LEEMCTEMFNISAAMGVIAQRLVRRVCSSECKQPTNAD.PEVLRLRLGISERDIR.....GA....NLMRGTGCP	814
NTDB	id	1366	NTHI	RS01950	WP	011271972.1	LQLLCTIQQHEIENSLLLVIAQRLVRKICPKCGGNLI.....NSC	408
NTDB	id	1355	HI	0298	AAC21962.1		LQLLCTIQQVEIKNSLLLVIAQRLVRKLCCKCGGNLA.....NSC	408
NTDB	id	1384	A4U84	RS08525	WP	010787006.1	LLQLCTIQQVEIQNSLLLVIAQRLVRKLCCKCRGVGC.....D	401
NTDB	id	1468	ASU2	RS05090	WP	014991734.1	LLQLCTIKEYEIKNSLQLTIAQRLLRKRCPQCGGKGC.....D	401
NTDB	id	38949	SPUCDC	RS00740	WP	000650595.1	LQCMGVARWMISSALTLVVAQRLVRKLCPHCKQRLSDPV.....VLSPNLW.....PS..ALPRWQANGCQ	386
NTDB	id	1436	BW25113	RS00530	WP	001025145.1	LQCMGVARWMISSALTLVIAQRLVRKLCPHCRRQQGEPI.....HIPDNVW.....PS..PLPHWQAPGCV	386
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NTDB	id	1293	VP	RS12240	WP	005479695.1	LSNMGVESFNLASSLSLTIAQRLARKLCPCYCKQPQEH.TVQL.QHLGIQTDDN.....IFRANPDGCN	490
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	LSNMGVESFNLASSLSLTIAQRLARKLCPCYCRQPQEP.NSQL.QHIGIANTEQ.....IFQANPDGCN	490
NTDB	id	1251	GC085	RS07725	WP	011946523.1	LVMNCTPTFNIASSVTLTIAQRLARKLCNQCKAVRDDFTNQGLIELGFKEADLV.....NLKLYKAVGCE	503
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	LRLNMGVASFNIAATSVNLVIAQRLARRLCSQCKRPI.QVPERSLLEMCFTEPEDLA.....QP..EFQIFEPVGCH	499
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consensus							! ** ! * * * * * ** ** ** ! ! ! ! * ! * * ! * * *	

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NTDB id 1410 SGL RS13950 WP 010873519.1	MR A KRKSALTCRTCAAEL Q QEWLDCPYCMTSRFS	672
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NTDB id 1058 ABD1 RS01615 WP 001274986.1		570
consensus		

- X non conserved
- X similar
- X ≥ 50% conserved