

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSXLTIGDRRLGAALLDAGYLDSLQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	80
NTDB id 1306 DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1468 ASU2 RS05090 WP 014991734.1	.....	0
NTDB id 111108 APL92 RS03635 WP 000650596.1	.....	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
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	SEYFSAKELRAFPFALSEESRYRVAFYBPLSSEYEDSGFYEPYQTEREYAAATAYHYPELGLLENNPsc	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1306 DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPFALE..GDRRLVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA	157
NTDB id 1366 NTHI RS01950 WP 011271972.1		0
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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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consensus		

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NTDB id	Accession	Length	Consensus
1410	SGL RS13950 WP 010873519.1	237	SGEGQKDLKLGELLQKQGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA
1028	TT RS08215 WP 011173991.1	237	SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFGHPGEEVL
1306	DR RS10060 WP 027479822.1	0	
1366	NTHI RS01950 WP 011271972.1	0	
1355	HI 0298 AAC21962.1	0	
1384	A4U84 RS08525 WP 010787006.1	0	
1468	ASU2 RS05090 WP 014991734.1	0	
111108	APL92 RS03635 WP 000650596.1	0	
1436	BW25113 RS00530 WP 001025145.1	0	
1168	A1552VC RS11070 WP 000957200.1	0	
1293	VP RS12240 WP 005479695.1	0	
1401	DSB67 RS12665 WP 010643259.1	0	
1251	GC085 RS07725 WP 011946523.1	0	
1018	ACIAD RS01685 WP 004920473.1	0	
1058	ABD1 RS01615 WP 001274986.1	0	

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NTDB id	Accession	Sequence	Length
NTDB id 1410	SGL RS13950 WP 010873519.1	MTS	3
NTDB id 1028	TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLS	317
NTDB id 1306	DR RS10060 WP 027479822.1	GSMRLRADALRLLAVPVDETEQGVTVLTSDPRKR	317
NTDB id 1366	NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355	HI 0298 AAC21962.1	.....	0
NTDB id 1384	A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1468	ASU2 RS05090 WP 014991734.1	.....	0
NTDB id 111108	APL92 RS03635 WP 000650596.1	.....	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
NTDB id 1018	ACIAD RS01685 WP 004920473.1		0
NTDB id 1058	ABD1 RS01615 WP 001274986.1		0
consensus			0

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NTDB	id	1410	SGL	RS13950	WP	010873519.1	SSSSKKSRVAALRNYFSPFGNK	VAGGHVDAEQLRQALVQVKKTGRS	LPEELKAVTGRELSPEL	LRQYKKNQLFELKVL	83	
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NTDB	id	1306	DR	RS10060	WP	027479822.1	DQLREALQVQAREGKVKPLGEVI	TELGFASPDEVDLSALQKQNVGGGR	LEDTLV..QSGKLSPEMLARS	LAAQL	388	
NTDB	id	1366	NTHI	RS01950	WP	011271972.1	.....	.....	MTSYA.....LLHTQRVTAQ	NGEIF	20	
NTDB	id	1355	HI	0298	AAC21962.1	.....	.....	.....	MTSYA.....LLHTQRVTAK	NGEVF	20	
NTDB	id	1384	A4U84	RS08525	WP	010787006.1	.....	.....	MSQYT.....ICEQQ	TERIF	15	
NTDB	id	1468	ASU2	RS05090	WP	014991734.1	.....	.....	MQYS.....VCDMN	SQQVF	14	
NTDB	id	111108	APL92	RS03635	WP	000650596.1	.....	.....	.....	.....	0	
NTDB	id	1436	BW25113	RS00530	WP	001025145.1	.....	.....	.....	.....	0	
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1		MLTNLVAILRQ	AELISATQEQAVVTQVSASGTS	VPEALL..ELSIFHAQEITEQ	LSHIF	57
NTDB	id	1293	VP	RS12240	WP	005479695.1		MHSNLSTILRQ	KGLLTFSQEESLIEQVKASGISM	PEALL..SSGFFTSSIEAEH	LSSIF	57
NTDB	id	1401	DSB67	RS12665	WP	010643259.1		MLTNLSTVLRQ	AGILTFQSQEESSLLEQVKASGISM	PEALL..SSGFFQSHELTEH	LSSVF	57
NTDB	id	1251	GC085	RS07725	WP	011946523.1		MALATEEYRLQ	GIGQLLVLEKLLDKTKAIELHKLAAA	EKISLLQYIV..KNKILSAEQIALT	AAQNF	65
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1		MSAFTTPPKF	SGFIRRLVEEGYVNAQNMQQALEKAKK	FKQDIVPYLI..DNFSISPLTIAEI	ISLEF	65
NTDB	id	1058	ABD1	RS01615	WP	001274986.1		MSALHTSPKFT	GFFRRLVEEKHVSAATMQTALDAAKRA	KQDTVAYLI..EEVHLSPSLIAET	ISAEF	65
consensus							*	*	*	*	*	

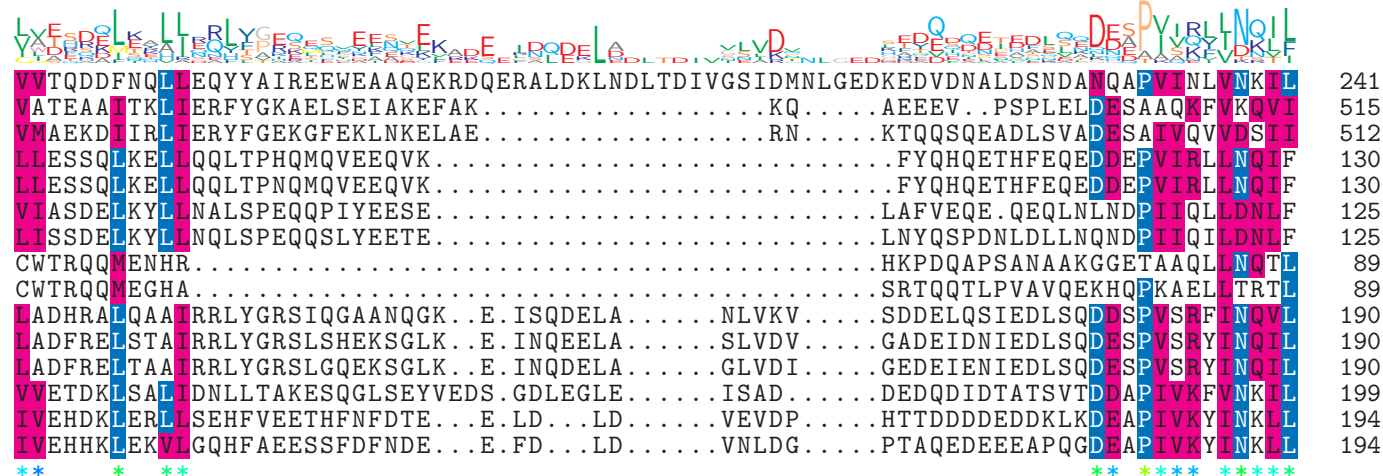
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NTDB	id	1028	TT	RS08215	WP	011173991.1	C	Y	P	Y	V	D	P	E	E	D	P	P	D		P	G	A	P	L	L	L	P	E	D	L	C	R	R	Y	G	V	F	P	H	R	L	E	G	...	N	R	L	V	L	L	M	K	D	P	R	N	I	L	A	L	D	D	V	R	L	A	L	K	R	K	G	L	N	Y	E	V	A	P	A		460																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB	id	1306	DR	RS10060	WP	027479822.1	C	Y	E	F	L	D	P	I	Q	M	P	P	D		P	K	V	A	L	M	I	P	E	A	T	A	R	R	Y	V	V	V	P	V	R	L	Q	G	...	N	S	L	V	V	A	M	K	D	P	R	N	V	F	A	L	D	D	L	K	L	I	T	G	...	K	E	I	L	P	A		455																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	1366	NTHI	RS01950	WP	011271972.1			T	I	S	P	D		L	W	E	R	N	Q	Q	Q	S	L	L	R	Y	F	A	L	P	L	K	E	E	N	...	N	R	L	W	L	G	V	D	S	L	S	N	L	S	A	C	E	T	I	A	F	I	T	G	...	K	P	V	E	P	I		79																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB	id	1355	HI	0298	AAC21962.1			T	I	S	P	D		L	W	E	R	N	Q	Q	Q	S	L	L	R	Y	F	A	L	P	L	K	E	E	N	...	N	R	L	W	L	G	V	D	S	L	S	N	L	S	A	C	E	T	I	A	F	I	T	G	...	K	P	V	E	P	I		79																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
NTDB	id	1384	A4U84	RS8525	WP	010787006.1			D	I	S	P	S		R	W	Q	K	N	C	E	E	K	L	L	R	Y	L	A	P	V	Q	E	T	E	...	H	K	L	W	L	A	V	D	D	E	N	N	L	T	A	C	E	I	F	A	F	M	T	H	...	K	Q	I	E	P	V		74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
NTDB	id	1468	ASU2	RS05090	WP	014991734.1			D	I	S	E	S		L	W	Q	K	N	C	D	E	K	H	L	L	R	Y	L	A	P	I	Q	E	N	D	...	D	T	L	W	L	A	I	D	D	M	N	L	S	A	C	E	I	F	A	F	I	A	H	...	K	T	I	E	P	V		73																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
NTDB	id	111108	APL92	RS03635	WP	000650596.1								M	K	D	A	Q	L	N	T	L	C	Q	R	H	Q	A	V	L	I	N	S	A	S	...	N	S	I	T	V	A	V	V	D	A	P	S	H	A	L	D	A	L	H	F	A	T	Q	...	K	Q	I	D	I	V		52																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB	id	1436	BW25113	RS00530	WP	001025145.1								M	N	I	P	Q	L	T	A	L	C	L	R	Y	H	G	V	L	L	D	A	S	E	...	E	V	V	H	V	A	V	V	D	A	P	S	H	E	L	L	D	A	L	H	F	A	T	...	K	R	I	E	I		52																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	C	L	P	E	T	D	L	S	R	Y	D	Y	A		N	L	C	Q	Q	L	G	L	R	E	L	T	R	Y	D	A	L	P	I	A	K	Q	...	N	L	L	L	A	V	D	P	T	L	L	Q	A	E	E	D	F	R	F	A	T	G	...	L	Q	V	E	L		124																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB	id	1293	VP	RS12240	WP	005479695.1	C	L	S	Q	P	E	L	S	Q	Y	E	Y	A		S	L	C	Q	L	G	L	R	E	L	T	R	H	N	A	L	P	L	H	R	T	P	...	S	T	L	L	A	V	A	D	P	T	N	Q	Q	A	E	D	D	F	R	F	A	T	G	...	L	Q	V	E	L		124																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	C	L	S	C	T	S	L	N	Q	Y	E	Y	A		S	L	C	Q	T	L	G	L	R	D	L	T	R	H	N	A	L	P	L	N	R	T	S	...	S	T	L	I	L	A	V	A	D	P	T	N	L	Q	A	E	D	D	F	R	F	A	T	G	...	L	Q	V	E	L		124																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB	id	1251	GC085	RS07725	WP	011946523.1	C	G	V	P	M	L	D	I	N	C	I	D	V	G		T	I	P	V	N	L	V	N	E	K	L	I	K	R	H	A	M	V	P	L	F	S	R	G	...	T	N	L	Y	L	A	T	D	D	P	S	K	Q	A	S	L	K	E	I	Q	F	H	T	G	...	L	N	T	H	A	I		132																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	C	G	E	P	L	L	D	L	G	V	F	D	P	A		L	F	L	K	D	K	I	D	E	K	L	I	Q	K	Y	R	I	M	P	L	V	H	R	G	...	H	V	L	Y	V	A	T	S	N	P	T	N	I	E	A	M	D	A	I	R	F	N	S	K	...	L	K	V	E	P	I		132																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	C	A	E	P	Y	F	D	L	D	V	Y	D	T	S		Q	I	P	K	D	L	V	D	Q	K	L	I	L	K	H	R	I	L	P	L	I	Q	R	G	...	Q	I	L	Y	V	A	T	S	N	P	T	N	I	E	A	I	D	A	I	R	F	N	S	K	...	L	L	V	E	P	V		132																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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NTDB id 1410 SGL RS13950 WP 010873519.1
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consensus

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NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

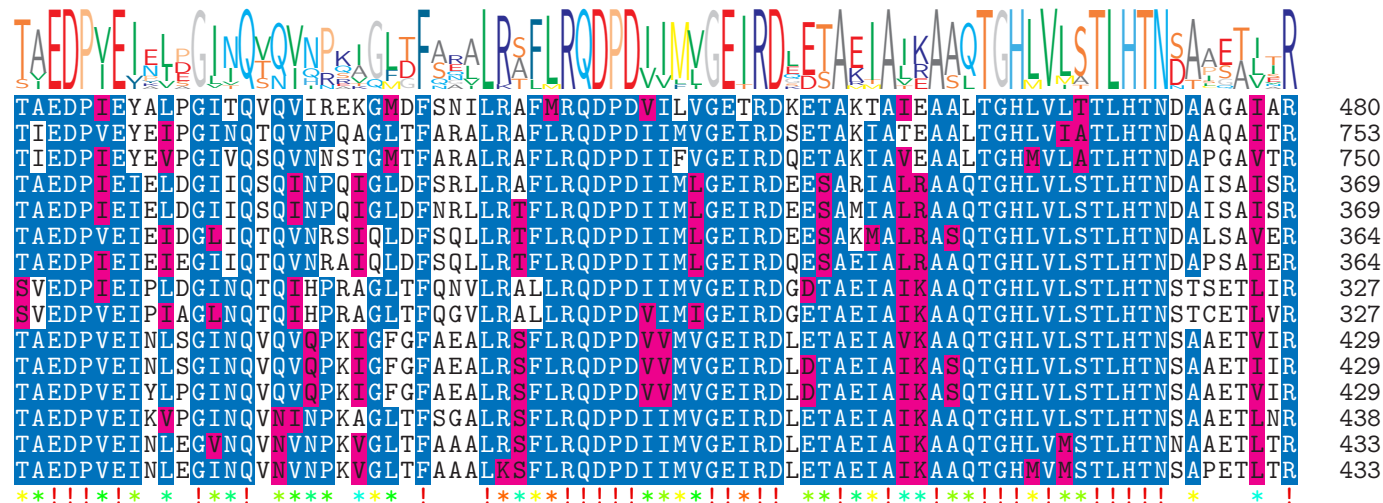
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

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NTDB id 1410 SGL RS13950 WP 010873519.1	LDEMGVEPFMVSGSLLGVLAQRLMRKVCTECRIAYHPS.KEELSRFGLSASGDEVVTFYKANSLSPDEIHLARQKGNL	CQ	559	
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NTDB id 1468 ASU2 RS05090 WP 014991734.1	LLQLGIQEYEIKNSLQLTIAQRLLRKRC	PCQCGGKGC.....D	401	
NTDB id 111108 APL92 RS03635 WP 000650596.1	LQQMGVARWMISSALTLVVAQRLVRKLC	PHCKQRLSDPV.....VLSPNLW.....PS..ALPRWQAS	GCG	386
NTDB id 1436 BW25113 RS00530 WP 001025145.1	LQQMGVARWMLSSALTLVIAQRLVRKLC	PHCRRQQGEPI.....HIPDNVW.....PS..PLPHWQAP	GCV	386
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LANMGVEPFNLASSLSLTIAQRLARRLCKHKIAVRP.SALLQSQFAFQPNEI.....LYEANAAG	GCN	491	
NTDB id 1293 VP RS12240 WP 005479695.1	LSNMGVESFNLASSLSLTIAQRLARKLCPYCKQPQEH.TVQL.QHLGIQTTDN.....IFRANPD	GCN	490	
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LSNMGVESFNLASSLSLTIAQRLARKLCPYCRQPQEP.NSQL.QHIGIANTEQ.....IFQANPD	GCN	490	
NTDB id 1251 GCO85 RS07725 WP 011946523.1	LVNMGITPTFNIASSVTLTIAQRLARKLCNQCKAVRDDFTNQGLIELGFKEADLV.....NLKLYKAV	GCE	503	
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LRNMGVIASFNIATSVNLVIAQRLARRLCSQCKRPI.QVPERSLLEM	GFTPEDLA.....QP..EFQIFEPV	GCH	499
NTDB id 1058 ABD1 RS01615 WP 001274986.1	LRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.DIPKQSLLEM	GFTEQDLA.....HP..DFRVFQPV	GCL	499
consensus	!*****			

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NTDB id 1410 SGL RS13950 WP 010873519.1	KCSGS	GYKGR	VGVI	YEV	MNSER	IAEL	INQGATT	DR	IKDC	AV	.EEGMIT	LLAYS	INLVQ	EGYT	TLEE	EVER	VTFT	DTGLE	SE	638			
NTDB id 1028 TT RS08215 WP 011173991.1	RCGGT	GYKGR	YAIH	ELL	VVD	DE	IRHA	IVAGKS	ATE	IK	KEI	AR	RKGMK	TL	RED	GLY	KAL	QG	IT	LEE	VLART	IE.....	889
NTDB id 1306 DR RS10060 WP 027479822.1	RCGGT	GYKGR	MGIH	ELM	VMD	DD	LRRT	IGAGR	PAAE	IRDV	ALGES	GLRSL	RQDGI	EKAL	QGL	TT	LEE	VLAV	AS.....	887			
NTDB id 1366 NTHI RS01950 WP 011271972.1	DCH	.QGYR	GRIG	VYQ	FLH	WQQN					GY.....	QTD	FENL	RES	GLE	KVS	SGQ	IT	DE	KEI	ERVL	GKNS.....	464
NTDB id 1355 HI 0298 AAC21962.1	DCH	.QGYR	GRIG	VYQ	FLH	WQQN				DY.....	QTD	FKNL	RAS	GLE	KVS	SGQ	IT	DE	KEI	ERVL	GKNL.....	464	
NTDB id 1384 A4U84 RS08525 WP 010787006.1	ECY	.QGYR	GRIG	VYQ	CLSR	TAK				KFDK	QTA	YLD	FSS	SLRES	AKQK	IE	QQL	TNET	EV	DRVL	GYE.....	461	
NTDB id 1468 ASU2 RS05090 WP 014991734.1	NCY	.HGYK	GRGT	GIY	QLLAK	QKGK				FFEK	STA	YLDY	DNLR	ASAE	QKLA	ANITT	TV	DEV	KRVL	GDG.....	461		
NTDB id 111108 APL92 RS03635 WP 000650596.1	HCY	.HGFY	GRTA	LF	EVLT	VTTPAL	IRQL	IASG	ASAQ	LEAHL	Q	QTGT	TLF	ENG	CRAVE	QGMTS	FEEIL	LRVL	GM	PHER...	461		
NTDB id 1436 BW25113 RS00530 WP 001025145.1	HCY	.HGFY	GRTA	LF	EVLP	ITPVT	IRQL	ISAN	TDVES	LETHAR	.QAGMR	TLF	ENG	CLAVE	QGLTT	FEELI	RVLG	MPHGE...		461			
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ECT	.GYS	GRVGI	YEV	MAFN	TE	LAE	AIMQ	RASI	HQIER	LAK	.ANGM	QTLQ	ESG	LEKL	REG	ITSFA	ELQ	RVLY	F.....	562		
NTDB id 1293 VP RS12240 WP 005479695.1	ECT	.HGY	SGRT	GIY	EV	MRFDES	LSEAL	IKGAS	VHELE	KLAI	.ANGM	STLQ	MSG	IEKL	KQG	ITSF	SELQ	RVLY	F.....	561			
NTDB id 1401 DSB67 RS12665 WP 010643259.1	ECT	.HGY	SGRT	GIY	EV	MKFDES	LSEAL	IKGAS	VHELE	KLAI	.ANGM	QTLQ	MSG	IEKL	KQG	ITSF	RELQ	RVLY	F.....	561			
NTDB id 1251 GCO85 RS07725 WP 011946523.1	QCT	.SGYR	GRVGL	FEV	LPMT	KELG	QLIM	SGGNS	LDIL	KLAQ	.SEGML	TIFQ	SGI	EKV	KEG	ITTIE	EVNR	VTVD	.....	574			
NTDB id 1018 ACIAD RS01685 WP 004920473.1	DCR	.EGYK	GRVGI	YEV	MKIT	PEISKI	IMED	GNALE	IAATAE	.TLGF	NNLR	RRSGL	KKVM	QGV	TSLQ	EINR	VTSE	.....		570			
NTDB id 1058 ABD1 RS01615 WP 001274986.1	ECR	.EGYK	GRVGI	YEV	MKV	TPEISKI	IMED	GNALE	IAAA	SE	.KLGF	NNLR	RRSGL	KKVM	QGV	TSLQ	EINR	VTSE		570			
consensus	!	!	***	!	*****	*	*		*	*	*	*	*	*	*	***	!	!	***				

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NTDB id 1410 SGL RS13950 WP 010873519.1	MR A KRKSALTCRTCAAEL Q QEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1306 DR RS10060 WP 027479822.1	.....	887
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	464
NTDB id 1355 HI 0298 AAC21962.1	.....	464
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	461
NTDB id 1468 ASU2 RS05090 WP 014991734.1	.....	461
NTDB id 111108 APL92 RS03635 WP 000650596.1	.....	461
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	461
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
consensus		

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