

logo

NTDB id 1306 DR RS10060 WP 027479822.1	MALSIIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR	80
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1071516 ACIX3D RS04660 WP 117374128.1	.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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
consensus		

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NTDB id 1306 DR RS10060 WP 027479822.1	SIRPQTALNLQAFPPFALEGDRRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGASDA	160
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1071516 ACIX3D RS04660 WP 117374128.1	.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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
consensus		

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NTDB id 1306 DR RS10060 WP 027479822.1	GRTGGKLGGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVLGSM	240
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1071516 ACIX3D RS04660 WP 117374128.1	.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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
consensus		

NTDB id 1306 DR RS10060 WP 027479822.1	LRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQGRGLGEQLVQEGTLSRDQL	320
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1071516 ACIX3D RS04660 WP 117374128.1	.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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
consensus		

[illegible]

NTDB	id	1306	DR	RS10060	WP	027479822.1	DPKVALMPEATARRVVPVRLQGNSLVAMKDPRNVFALDDKLKITGKEILPAVMAEKDITIRLIERYFGEKGFEKLNK	480
NTDB	id	1355	HI	0298	AAC21962.1		DLWERNQQQQSSLILRYFALPLKEENNRWLGVDSLSNLSACETIAFITGKPVEPILLESSQLKELLQQLTPNQMQVVEEQV	104
NTDB	id	1366	NTHI	RS01950	WP	011271972.1	DLWERNQQQQSSLILRYFALPLKEENNRWLGVDSLSNLSACETIAFITGKPVEPILLESSQLKELLQQLTPHQMQVVEEQV	104
NTDB	id	1071516	ACIX3D	RS04660	WP	117374128.1	EQWKQNYDERHILLRYLTVPLREDQQTLLWLAIDDMNNLSACEIFAFLTHKRTEPVLSSEELKYLLGLMPQECSVYEED	98
NTDB	id	1384	A4U84	RS08525	WP	010787006.1	SRWQKNCEEKQILLRYLAVPVQETEHKLWLVADDENNLTACEIFAFMTHKQIEPVVIAADELKLYLLNALSPQQPIYEES	99
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	ANLCQQLGLRELITRYDALPIAKQGNIILLAVSDPTLLQAEEEFRAFGLQVELALADHRALQAATRRLYGRSIQGAANQ	149
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	ASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLADFRELTAATRRLYGRSLGQEKSG	149
NTDB	id	1293	VP	RS12240	WP	005479695.1	ASLCQQLGLRELITRHNALPLHRT PSTLLAVADPTNQQAEDDFRFATGLQVELVLADFRELSTAATRRLYGRSLSHEKSG	149
NTDB	id	1251	GCO85	RS07725	WP	011946523.1	GTIPVNLVNEKLIKRRHAMVPLFSRGTNLYLATDPPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSE	157
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	SQIPKDLVDQKLI LKHRIPLIQRGQILYVATSNP SNIEAIDAIRFNSKLLVEPVIVEHHKKLEVLGGHF AEESSFDND	157
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	ALFLKDKIDEKLI QKYRIMPLVHRGHVLYVATSNPTNIEAMD AIRFNSKLLKVEP IIVEHDKLERLISEH FVEETHFNFTD	157
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NTDB id 1306 DR RS10060 WP 027479822.1	EL.....AERNKTQ	SSQ	EADLSVA	DES	ATVQVVDSTIRE	AALQD	ASDIHIETT	EDAVK	VRYRIDGAL	REQNSFP	549
NTDB id 1355 HI 0298 AAC21962.1	KF.....Y	QH	QETHFEQEDDEP	VI	RLNQIFESALQKN	ASDIHLETLADQF	QVRFRIDGVL	QPPLIS			167
NTDB id 1366 NTHI RS01950 WP 011271972.1	KF.....Y	QH	QETHFEQEDDEP	VI	RLNQIFESALQKN	ASDIHLETLADQF	QVRFRIDGVL	QPPLIS			167
NTDB id 1071516 ACIX3D RS04660 WP 117374128.1	ELP.....Y	Q	PLAQAHQSDVND	PII	QVLDGLFKYGLKHN	ASDIHFEPQKDKML	IRLRIDGVL	HPYKSFF			162
NTDB id 1384 A4U84 RS08525 WP 010787006.1	ELA.....F	VE	EQ.EQLNLND	PII	QLLDNLFKFCLAQN	ASDIHIEPRKQKLI	IRLRIDGVL	HLKLSLS			162
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GKEISQD..EL	ANLVKVSDD	ELQSI	EDLSQ	DDSPVSRFINQVLL	DAVRKG	ASDIHFEPYENQYRIRLR	CDGILVETQQ	PA		227
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LKEINQD..EL	AGLVDIGED	EIENIEDLSQ	DES	SPVSRYINQILL	DAVRKG	ASDIHFEPYENMYRVRL	RCDGILIEIQ	PP		227
NTDB id 1293 VP RS12240 WP 005479695.1	LKEINQD..EL	ASLVDVGAD	EIDNIEDLSQ	DES	SPVSRYINQILL	DAVRKG	ASDIHFEPYEKMYRVRL	RCDGILIE	QPP		227
NTDB id 1251 GC085 RS07725 WP 011946523.1	YVEDSGDLEGL	EISAD.DEDQ	DI	DTATSVT	DDAPIVKFVNKILL	DAIRQG	ASDIHFEPYEREYRIRYR	QDGILHEVAT	PP		236
NTDB id 1058 ABD1 RS01615 WP 001274986.1	E...EFD...LD	VNLDGPTAQ	ED	EE	APQG	DEAPIVKYINKLLIDAIRMG	ASDLHFEPYEKS	YRVRYRVDGVL	RLQIAN	PP	231
NTDB id 1018 ACIAD RS01685 WP 004920473.1	E...ELD...LD	VEVDPHTTDD	DD	DD	DKLK	DEAPIVKYINKLLIDAIRMS	ASDLHFEPYEKS	YRVRYRVDGVL	RLIAT	PP	231
consensus	*	*	*	*	*	**	*****	!!!!!!	*****	*****	**

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NTDB id 1306 DR RS10060 WP 027479822.1	KGA	AQQT	IMAR	LKIM	GHLDIA	ERRVPQDGRV	FKKG	.SID	LDLRLSTLPT	VYGEKA	VMRL	LQKASNIP	ELEQ	LG	FSEYN	YA	628	
NTDB id 1355 HI 0298 AAC21962.1	KIFAN	RIIS	RLKLLAK	L	DI	SENRLPQDGRF	QFKTTF	SDIL	DFRLSTLPTH	WGEKIV	LRAQQNK	PVELS	FS	ELG	MTEN	QQQ	247	
NTDB id 1366 NTHI RS01950 WP 011271972.1	KIFAN	RIIS	RLKLLAK	L	DI	SENRLPQDGRF	QFKTTF	SDIL	DFRLSTLPTH	WGEKIV	LRAQQNK	PVELS	FS	ELG	MTEN	QQQ	247	
NTDB id 1071516 ACIX3D RS04660 WP 117374128.1	LQ	LANRLI	SRIKLLAK	L	DI	SESRLPQDQG	FGFKTIL	SETL	DFRVSSLPT	YGEK	VVLR	LQKNK	PTHF	DFT	TLG	FLAEQKE	242	
NTDB id 1384 A4U84 RS08525 WP 010787006.1	IQL	ASRLI	SRIKLLAK	L	DI	SEL	RQPDGQFS	TTAL	ADT	DFRVSSLPT	IYGEK	LVLRL	LQKNK	PTS	F	DLQLG	FNPQQQT	242
NTDB id 1168 A1552VC RS11070 WP 000957200.1	SHL	SRRLA	ARIKIL	SKLDIA	ERRLPQDGR	IKRL	LSRDTA	ID	MRVSTLPT	LWGEKIV	LRLLD	SSA	ANL	D	DKL	GYNPQQKQ	307	
NTDB id 1401 DSB67 RS12665 WP 010643259.1	SHL	SRRLS	ARIKIL	SKLDIA	ERRLPQDGR	IKL	KLNQDTA	ID	MRVSTLPT	LWGEKIV	LRLLD	SSS	ALD	D	INKL	GYSDSQKQ	307	
NTDB id 1293 VP RS12240 WP 005479695.1	NHL	SRRLS	ARIKIL	SKLDIA	ERRLPQDGR	IKL	KLNQDTA	ID	MRVSTLPT	LWGEKIV	LRLLD	SSS	ASL	D	DKL	GYSEQKQK	307	
NTDB id 1251 GC085 RS07725 WP 011946523.1	ASL	SSR	ITARIK	VMSN	L	DISERRIP	QDGGFKMK	ISK	SRAID	FRVST	CPT	SAGEK	VV	MRVLD	SGA	AKLG	IEALGFNPVQR	316
NTDB id 1058 ABD1 RS01615 WP 001274986.1	LQ	LANRLA	SRKLVMSQ	MDISEK	RV	PDGRIK	LKLSK	SKAID	FRVNS	SLPT	LFGEK	LVLRL	ILD	PSS	AMLG	IDAL	GYEEDQKA	311
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LQ	LATRLA	SRKLVMSQ	MDISEK	RV	PDGRIK	LKMSK	SKTID	FRVNS	SLPT	LFGEKIV	LRILD	PAS	AMLG	IDAL	GYEPEQKA	311	
consensus	**	**	*!	*!	*****	!!	*!	*!	*****	*	*!	*!	*****	!!	*!	*!	**	

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NTDB id 1306 DR RS10060 WP 027479822.1	RYTEI	I	E	R	P	N	G	I	F	L	V	T	G	P	T	G	S	G	K	S	F	T	C	F	S	T	L	K	R	I	A	K	P	E	K	N	T	T	T	I	E	D	P	I	E	Y	E	V	P	G	I	V	Q	S	Q	V	N	N	S	T	G	M	T	F	A	R	A	L	R	A	F	L	R	Q	D	P		708																																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1355 HI 0298 AAC21962.1	A	F	Q	R	V	L	S	Q	P	Q	G	L	I	L	V	T	G	P	T	G	S	G	K	S	I	S	L	Y	T	A	L	Q	W	L	N	T	P	D	K	H	I	M	T	A	E	D	P	I	E	I	E	L	D	G	I	I	Q	S	Q	I	N	P	Q	I	G	L	D	F	N	R	L	R	T	F	L	R	Q	D	P		327																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id 1366 NTHI RS01950 WP 011271972.1	A	F	Q	R	S	L	S	Q	P	Q	G	L	I	L	V	T	G	P	T	G	S	G	K	S	I	S	L	Y	T	A	L	Q	W	L	N	T	P	D	K	H	I	M	T	A	E	D	P	I	E	I	E	L	D	G	I	I	Q	S	Q	I	N	P	Q	I	G	L	D	F	S	R	L	R	A	F	L	R	Q	D	P		327																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id 1071516 ACIX3D RS04660 WP 117374128.1	K	L	L	R	A	L	R	Q	P	Q	G	L	I	L	V	T	G	P	T	G	S	G	K	S	I	T	L	Y	S	A	L	D	Y	L	N	D	S	K	R	H	I	L	T	A	E	D	P	I	E	I	E	L	E	G	I	I	Q	T	Q	I	N	P	A	I	D	L	G	F	S	R	L	R	T	F	L	R	Q	D	P		322																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id 1384 A4U84 RS08525 WP 010787006.1	T	L	L	N	A	L	K	Q	P	Q	G	L	I	L	V	T	G	P	T	G	S	G	K	S	I	T	L	Y	S	A	L	N	Y	L	N	Q	M	D	K	H	I	L	T	A	E	D	P	V	E	I	E	I	D	G	L	I	Q	T	Q	V	N	R	S	I	Q	L	D	F	S	Q	L	R	T	F	L	R	Q	D	P		322																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id 1168 A1552VC RS11070 WP 000957200.1	L	Y	L	N	A	L	K	R	P	Q	G	M	I	L	M	T	G	P	T	G	S	G	K	T	V	S	L	Y	T	G	L	R	I	L	N	T	S	Q	I	N	I	S	T	A	E	D	P	V	E	I	N	L	S	G	I	N	Q	V	Q	V	Q	P	K	I	G	F	G	F	A	E	A	L	R	S	F	L	R	Q	D	P		387																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1401 DSB67 RS12665 WP 010643259.1	L	Y	L	D	A	L	R	R	P	Q	G	M	I	L	M	T	G	P	T	G	S	G	K	T	V	S	L	Y	T	G	L	S	I	L	N	K	P	E	I	N	I	S	T	A	E	D	P	V	E	I	Y	L	P	G	I	N	Q	V	Q	V	Q	P	K	I	G	F	G	F	A	E	A	L	R	S	F	L	R	Q	D	P		387																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1293 VP RS12240 WP 005479695.1	L	Y	L	E	A	L	R	R	P	Q	G	M	I	L	M	T	G	P	T	G	S	G	K	T	V	S	L	Y	T	G	L	N	I	L	N	K	P	E	I	N	I	S	T	A	E	D	P	V	E	I	N	L	S	G	I	N	Q	V	Q	V	Q	P	K	I	G	F	G	F	A	E	A	L	R	S	F	L	R	Q	D	P		387																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1251 GC085 RS07725 WP 011946523.1	N	F	L	K	A	I	Q	R	P	Q	G	M	I	L	V	T	G	P	T	G	S	G	K	T	V	T	L	Y	T	A	L	N	I	L	N	T	I	E	V	N	I	S	T	A	E	D	P	V	E	I	K	V	P	G	I	N	Q	V	N	I	N	P	K	A	G	L	T	F	S	G	A	L	R	S	F	L	R	Q	D	P		396																																																																																																																																																																																																																																																																																																																																																																																																																																			
NTDB id 1058 ABD1 RS01615 WP 001274986.1	L	F	M	E	A	L	D	K	P	Q	G	M	L	I	T	G	P	T	G	S	G	K	T	V	S	L	Y	T	G	L	N	I	L	N	T	E	S	S	N	I	S	T	A	E	D	P	V	E	I	N	L	E	G	I	N	Q	V	N	V	N	P	K	V	G	L	T	F	A	A	A	L	R	S	F	L	R	Q	D	P		391																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id 1018 ACIAD RS01685 WP 004920473.1	L	F	M	E	A	L	N	K	P	Q	G	M	L	I	T	G	P	T	G	S	G	K	T	V	S	L	Y	T	G	L	N	I	L	N	T	E	H	A	N	I	S	T	A	E	D	P	V	E	I	N	L	E	G	V	N	Q	V	N	V	N	P	K	V	G	L	T	F	A	A	A	L	R	S	F	L	R	Q	D	P		391																																																																																																																																																																																																																																																																																																																																																																																																																																				
consensus	**	**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

