

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
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 99526 AL479 RS13590 WP 061076435.1	.....	0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	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 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		

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NTDB id 1410 SGL RS13950 WP 010873519.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
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NTDB id 1355 HI 0298 AAC21962.1		0
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NTDB id 1468 ASU2 RS05090 WP 014991734.1		0
NTDB id 99526 AL479 RS13590 WP 061076435.1		0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	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 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		

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NTDB id 1410 SGL RS13950 WP 010873519.1	EGQKDLKLGELLQKGI	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGI	240
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NTDB id 1468 ASU2 RS05090 WP 014991734.1		0
NTDB id 99526 AL479 RS13590 WP 061076435.1		0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	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 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		

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NTDB id 1410 SGL RS13950 WP 010873519.1	LRSDALRYGAVPIGFQNGEVEVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	6
NTDB id 1028 TT RS08215 WP 011173991.1	LRSDALRYGAVPIGFQNGEVEVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	320
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NTDB id 1468 ASU2 RS05090 WP 014991734.1		0
NTDB id 99526 AL479 RS13590 WP 061076435.1		0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	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 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		

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	SKKSRAVALRNYFSPFGNKL	VAGGHVDAEQLRQALVQVKKTGRSL	PEELKAVTGRELSPELIRQYKKNQLFELKVL	LYGVD	86
NTDB id 1028 TT RS08215 WP 011173991.1	KEALEVQKGLPRAKPLGEIL	VELGLARPEDVEEALQKQRRGGGRLED	TLVQ..SGKLRPEALAAQ	VATQLGY	391
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	MTSY.....	ALLHTQRVTAQ	NGEIF...	20
NTDB id 1355 HI 0298 AAC21962.1	.....	MTSY.....	ALLHTQRVTAQ	NGEVF...	20
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	MSQY.....	T.....ICEQQ	TERIF...	15
NTDB id 1468 ASU2 RS05090 WP 014991734.1	.....	MQY.....	S.....VCDMN	SQQVF...	14
NTDB id 99526 AL479 RS13590 WP 061076435.1	.....	.....	.....	.....	0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	.....	.....	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	MLTNLVAI	LRQAELISATQEQAVVTQVSASGTSV	PEALL..LSIFHAQELTEQ.....LSHIFGLP	60
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	MLTNLSTV	LRQAGILTFSQEESSLLEQVKASGISM	PEALLS..SGFFQSHELTEH.....LSSVFGLS	60
NTDB id 1293 VP RS12240 WP 005479695.1	.....	MHSNLSTI	LRQKGLLTFSQEESSLIEQVKASGISM	PEALLS..SGFFTSSSLAEH.....LSSIFGLS	60
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	MSVGLLR	LVQNQVVTVEQAEHYY.NESQAGKEV	LPMLFS..DGVISPKSLAAL.....IARVFSYS	59
NTDB id 1251 GCO85 RS07725 WP 011946523.1	...	MALATEEYRLQGIGQL	LVLEKLLDKTKAIELHKLAAAEKIS	LLQYIVK..NKILSAEQIALT.....AAQNFQVP	68
NTDB id 1018 ACIAD RS01685 WP 004920473.1	...	MSAFTTPPKFSGFIRRL	VEEGYVNAQNMQQALEKAKKFKQD	IVPYLID..NFSISPLTIAEI.....ISLEFGEP	68
NTDB id 1058 ABD1 RS01615 WP 001274986.1	...	MSALHTSPKFTGFFRRL	VEEKHVSAAATMQTALDAAKRAKQD	TVAYLIE..EVHLSPSLAET.....ISAEFAEP	68
consensus					

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	SV	DPEVAPIATQMAELIGRFFPLDTCR	REKFLPLAQQEGDPSPSV	LVAMVDPDNLAAQDELNRILRVKGF..ELRRLVVT	164	
NTDB id 1028 TT RS08215 WP 011173991.1	YV	DPEEDPPDP....	GAPLLLPEDLCRRYGVFPHRLEG...	NRLVLLMKDPRNILLALDDVRLALKRKG	LNVEVAPAVAT	463
NTDB id 1366 NTHI RS01950 WP 011271972.1	..	T...ISPDL....	WERNQQQQSLLLRYFALPLKEEN...	NRLWLGVDLSNLSACETIAFITGK....	PVEPILLE	82
NTDB id 1355 HI 0298 AAC21962.1	..	T...ISPDL....	WERNQQQQSLLLRYFALPLKEEN...	NRLWLGVDLSNLSACETIAFITGK....	PVEPILLE	82
NTDB id 1384 A4U84 RS08525 WP 010787006.1	..	D...ISPSR....	WQKNCEEKQLLLRYLAVPVQETE...	HKLWLAVDDENNLTACEIFAFMTHK....	QIEPVVIA	77
NTDB id 1468 ASU2 RS05090 WP 014991734.1	..	D...ISESL....	WQKNCDEKHLILRYLAIPITQEND...	DTLWLATIDMNNLSACEIFAFIAHK....	TIEPVLIS	76
NTDB id 99526 AL479 RS13590 WP 061076435.1	.....	MNTTQLSALCQRYQGILLDANN...	DAVHTAVEDAPSHELLDALHFATTR....	RIEIAACWT	55	
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	MNIPQLTALCLRYHGVLLDASE...	EVVHVAVVDAPSHELLDALHFATTR....	RIEITCWT	55	
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ET	DLSRYDIAN....	LCQQGLRELITRYDALPIAKQG...	NLLLLAVSDPTLLQAEEEFRAFATGL....	QVELALAD	127
NTDB id 1401 DSB67 RS12665 WP 010643259.1	CT	SLNQYEYAS....	LCQTLGLRDLITRHNALPLNRTS...	STLILAVADPTNLQAEDDFRAFATGL....	QVELVLAD	127
NTDB id 1293 VP RS12240 WP 005479695.1	QP	ELSQYEYAS....	LCQQGLGLRELITRHNALPLHRT...	STLLLAVADPTNQAEDDFRAFATGL....	QVELVLAD	127
NTDB id 1110 NGFG RS09235 WP 003689817.1	IL	DLRHYPRHR....	VLMGVLTEEQMVEFHCVPVFRRG...	DKVFFAVSDPTQMPQIQKTVSAAGI....	AVELVIVE	126
NTDB id 1251 GCO85 RS07725 WP 011946523.1	ML	DINCIDVGT....	IPVNLVNEKLIRKHAMVPLFSRG...	TNLYLATDPSKQASLKEIQFHTGL....	NTHAIVVE	135
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LL	DGVDFPAL....	FLKDKIDEKLIQKYRIMPLVHRG...	HVLYVATSNPTNIEAMDARFNSKL....	KVEPIIVE	135
NTDB id 1058 ABD1 RS01615 WP 001274986.1	YF	DLVDVYDTSQ....	IPKDLVDQKLILKHRILPLIQRG...	QILYVATSNPSNIEAIDARFNSKL....	LVEPVIVE	135
consensus		*	** * *	* * * * * * * *	* * * *	** * *

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NTDB id 1410 SGL RS13950 WP 010873519.1
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NTDB id 1366 NTHI RS01950 WP 011271972.1
NTDB id 1355 HI 0298 AAC21962.1
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NTDB id 1436 BW25113 RS00530 WP 001025145.1
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NTDB id 1110 NGFG RS09235 WP 003689817.1
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
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	EMGV	EPFM	YSG	SL	LG	VLA	QRL	MR	KV	CTE	CR	IAY	.HPSKEELSRF	GLSASGDEVVTFYKANSLSPDEIHLARQKGNL	C..Q	559																																															
NTDB	id	1028	TT	RS08215	WP	011173991.1	EMGV	EPFN	ISAA	LIG	VLS	QRL	VRR	VE	CEH	K	VEV	.KPDPETLRLRL	CLSEAEI.....Q..GA..RLYKGM	GC..E	817																																																
NTDB	id	1366	NTHI	RS01950	WP	011271972.1	QLG	IQQ	HEI	EN	SLL	LVIA	QRL	VR	KIC	PK	CGGN	.....	.....	.....	LINSC	408																																															
NTDB	id	1355	HI	0298	AAC	21962.1	QLG	IQQ	YEI	KN	SLL	LVIA	QRL	VR	KLC	SK	CGGN	.....	.....	.....	LANSC	408																																															
NTDB	id	1384	A4U84	RS08525	WP	010787006.1	QLG	IQE	YEI	QNS	SLL	LVIA	QRL	VR	KLC	KK	CRGV	.....	.....	.....	GC..D	401																																															
NTDB	id	1468	ASU2	RS05090	WP	014991734.1	QLG	IK	EY	EI	KN	SL	QL	IA	QRL	LR	KRC	PQ	CGGK	.....	GC..D	401																																															
NTDB	id	99526	AL479	RS13590	WP	061076435.1	QMG	V	AR	W	L	S	S	A	L	T	L	V	A	Q	R	L	V	R	K	L	C	P	H	C	R	R	L	S	D	D	P	I	R	L	P		PAW		Y	P	T	P	L	..	P	R	W	Q	A	V	GC	..E	386										
NTDB	id	1436	BW25113	RS00530	WP	001025145.1	QMG	V	AR	W	L	S	S	A	L	T	L	V	A	Q	R	L	V	R	K	L	C	P	H	C	R	R	Q	Q	G	E	P	I	H	I	P		DNV		W	P	S	P	L	..	P	H	W	Q	A	P	GC	..V	386										
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	MGV	EP	FN	L	A	S	S	L	S	L	I	A	Q	R	L	A	R	R	L	C	K	H	C	K	I	A	V	.RPSALLQSQ	F	A	F	P	N	E	I		L		Y	E	A	N	A	A	GC	..N	491																
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	MGV	E	S	F	N	L	A	S	S	L	S	L	I	A	Q	R	L	A	R	K	L	C	P	Y	C	R	Q	P	.EPNSQLQ	H	.I	G	I	A	N	T	E	Q		I		F	Q	A	N	P	D	GC	..N	490													
NTDB	id	1293	VP	RS12240	WP	005479695.1	MGV	E	S	F	N	L	A	S	S	L	S	L	I	A	Q	R	L	A	R	K	L	C	P	Y	C	R	Q	P	.EHTVQL	Q	H	.L	G	I	Q	T	T	D	N		I		F	R	A	N	P	D	GC	..N	490												
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	MGV	A	P	F	N	I	A	S	S	V	S	L	I	A	Q	R	L	R	R	L	C	S	S	C	K	Q	E	V	E	R	P	S	A	S	A	L	K	E	V	C	F	T	D	E	D	L		AK	.DW	..	K	L	Y	R	A	V	GC	..D	486				
NTDB	id	1251	GC085	RS07725	WP	011946523.1	MG	I	P	T	F	N	I	A	S	S	V	T	L	I	A	Q	R	L	A	R	K	L	C	N	Q	C	K	A	V	R	D	D	F	T	N	Q	G	L	I	E	L	G	F	K	E	A	D	L		V	..	N	L	..	K	L	Y	K	A	V	GC	..E	503
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	MGV	A	S	F	N	I	A	S	S	V	N	L	V	I	A	Q	R	L	A	R	R	L	C	S	Q	C	K	R	P	I	.QV	P	E	R	S	L	L	E	M	G	F	T	P	E	D	L		A	Q	P	E	F	..	Q	I	F	E	P	V	GC	..H	499	
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	MGV	P	S	F	N	I	A	S	S	V	N	L																																																			

NTDB	id	1410	SGL	RS13950	WP	010873519.1	K	C	S	G	S	G	Y	K	G	R	V	G	V	Y	E	V	M	R	N	S	E	R	I	A	E	L	I	N	Q	G	A	T	T	D	R	I	K	D	C	A	V	E	E	G	M	I	T	L	L	A	Y	S	N	L	V	Q	E	G	Y	T	T	L	E	V	E	R	V	T	F	T	D	T	G	L	E	S	E	M		639
NTDB	id	1028	TT	RS08215	WP	011173991.1	R	C	G	G	T	G	Y	K	G	R	Y	A	I	H	E	L	L	V	V	D	E	I	R	H	A	I	V	A	G	K	S	A	T	E	I	K	E	I	A	R	R	K	G	M	K	T	L	R	E	D	G	L	Y	K	A	L	Q	G	I	T	T	L	E	E	V	L	A	R	T	I	E		889							
NTDB	id	1366	NTHI	RS01950	WP	011271972.1	D	C	H	.	Q	C	Y	R	G	R	I	C	V	Y	Q	F	L	H	W	Q	N		G	Y		Q	T	D	F	E	N	L	R	E	S	G	L	E	K	V	S	Q	G	I	T	D	E	K	E	I	E	R	V	L	G	K	N	S		464																				
NTDB	id	1355	HI	0298	AAC21962.1	D	C	H	.	Q	C	Y	R	G	R	I	C	V	Y	Q	F	L	H	W	Q	N		D	Y		Q	T	D	F	K	N	L	R	A	S	G	L	E	K	V	S	Q	G	I	T	D	E	K	E	I	E	R	V	L	G	K	N	L		464																					
NTDB	id	1384	A4U84	RS08525	WP	010787006.1	E	C	H	.	Q	C	Y	R	G	R	I	C	V	Y	Q	C	L	S	R	T	A	K		K	F	D	K	Q	T	A	Y	L	D	F	S	S	L	R	E	S	A	K	Q	I	E	Q	L	T	N	E	T	E	D	R	V	L	G	Y	E		461																			
NTDB	id	1468	ASU2	RS05090	WP	014991734.1	N	C	Y	.	H	C	Y	K	G	R	T	C	T	Y	Q	L	L	A	K	Q	G	K		F	F	E	K	S	T	A	Y	L	D	Y	D	N	L	R	A	S	A	E	Q	K	L	A	A	N	I	T	T	V	D	E	V	K	R	V	L	G	D	G		461																
NTDB	id	99526	AL479	RS13590	WP	061076435.1	H	C	Y	.	H	C	F	Y	G	R	S	A	L	F	E	L	L	A	I	T	A	E	L	R	H	Q	T	A	N	D	A	S	A	A	T	L	E	A	H	A	K	Q	A	G	M	S	T	L	F	E	S	G	C	R	A	V	D	Q	G	L	T	T	F	E	E	L	V	R	I	L	G	M	P	D	D	H		461		
NTDB	id	1436	BW25113	RS00530	WP	001025145.1	H	C	Y	.	H	C	F	Y	G	R	T	A	L	F	E	V	L	P	I	T	P	V	I	R	Q	L	I	S	A	N	T	D	V	E	S	L	E	T	H	A	R	Q	A	G	M	R	T	L	F	E	N	G	C	L	A	V	E	Q	G	L	T	T	F	E	E	L	I	R	V	L	G	M	P	H	G	E		461		
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	E	C	T	.	G	C	Y	S	G	R	V	G	T	Y	E	V	M	A	F	N	T	E	L	A	E	A	I	M	Q	R	A	S	I	H	Q	I	E	R	L	A	K	A	N	G	M	Q	T	L	Q	E	S	G	L	E	K	L	R	E	G	I	T	S	F	A	E	L	Q	R	V	L	Y	F		562						
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	E	C	T	.	H	C	Y	S	G	R	T	C	T	Y	E	V	M	K	F	D	E	S	L	E	A	L	I	K	G	A	S	V	H	E	L																																													

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NTDB id 1410 SGL RS13950 WP 010873519.1	RAKRKSALTCTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1		889
NTDB id 1366 NTHI RS01950 WP 011271972.1		464
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NTDB id 1384 A4U84 RS08525 WP 010787006.1		461
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NTDB id 99526 AL479 RS13590 WP 061076435.1		461
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NTDB id 1110 NGFG RS09235 WP 003689817.1		558
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		

-  non conserved
-  similar
-  ≥ 50% conserved