

logo

		MSXLSIGDRRLGAALLDQGYLDNBLQRALERHSEVGGRLAEVLVDsGyEERIASTIESEFGIPLVNLHSEVETSPKXK	
NTDB id 1410 SGL RS13950 WP 010873519.1	.....	.....	0
NTDB id 1306 DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNLDLRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL	.....	79
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV	.....	80
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	.....	0
NTDB id 343959 EPB54 RS14240 WP 062905453.1	.....	.....	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 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	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSEEEVEDLTGLVVPEPYQTTKSAFLYALAKHYPELGLPVPPP..P		157
NTDB id 1028 TT RS08215 WP 011173991.1			158
NTDB id 1168 A1552VC RS11070 WP 000957200.1			0
NTDB id 1401 DSB67 RS12665 WP 010643259.1			0
NTDB id 343959 EPB54 RS14240 WP 062905453.1			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 1058 ABD1 RS01615 WP 001274986.1			0
NTDB id 1018 ACIAD RS01685 WP 004920473.1			0
consensus			

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		SGSGSKLKLGERLYSGGYIIBSLLEYALQQR TGSLGATLYSRRATPEELYEXLAEQEGTEFLERSGGHPSEEXK	
NTDB id 1410 SGL RS13950 WP 010873519.1	.....	.....	0
NTDB id 1306 DR RS10060 WP 027479822.1	SDAGRTGGKLGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	.....	237
NTDB id 1028 TT RS08215 WP 011173991.1	SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA		237
NTDB id 1168 A1552VC RS11070 WP 000957200.1			0
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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 1058 ABD1 RS01615 WP 001274986.1	.....	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	.....	0
consensus			

NTDB id 1410 SGL RS13950 WP 010873519.1	MTS	3
NTDB id 1306 DR RS10060 WP 027479822.1	GSMLRADALRL LAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYFQGRGLGEQLVQEGTLSR	317
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR	317
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NTDB id 1293 VP RS12240 WP 005479695.1		0
NTDB id 1110 NGFG RS09235 WP 003689817.1		0
NTDB id 1251 GCD85 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	1410	SGL	RS13950	WP	010873519.1	SSSSKKSR	AV	AL	RNYF	S	P	F	G	N	K	V	A	G	H	V	D	A	E	Q	L	R	Q	A	L	V	Q	V	K	T	G	R	S	L	P	E	E	L	K	A	V	T	G	R	E	L	S	P	E	L	R	Q	Y	K	K	N	Q	L	F	E	L	K	V	L	Y	83						
NTDB	id	1306	DR	RS10060	WP	027479822.1	DQL	R	E	A	L	Q	V	Q	A	R	E	G	K	V	K	P	L	G	E	V	I	T	E	L	G	F	A	S	P	D	E	V	D	S	A	L	Q	K	Q	N	V	G	G	R	L	E	D	T	L	V	Q	..	S	G	K	L	S	P	E	M	L	A	R	S		L	A	A	Q	L	388
NTDB	id	1028	TT	RS08215	WP	011173991.1	EAL	K	E	A	L	E	V	Q	K	G	L	P	R	A	K	P	L	G	E	I	L	V	E	L	G	I	A	R	P	E	D	V	E	A	L	Q	K	Q	R	G	G	R	L	E	D	T	L	V	Q	..	S	G	K	I	R	P	E	A	L	A	Q	A		V	A	T	Q	L	388		
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1		M	L	T	N	L	V	A	I	L	R	Q	A	E	L	I	S	A	T	Q	E	Q	A	V	T	Q	V	S	A	S	G	T	S	V	P	E	A	L	L	E	..	L	S	I	F	H	A	Q	E	L	T	E	Q		L	S	H	I	F	57											
NTDB	id	1401	DSB67	RS12665	WP	010643259.1		M	L	T	N	L	S	T	V	L	R	Q	A	G	I	L	T	F	S	Q	E	E	S	L	I	E	Q	V	K	A	S	G	I	S	M	P	E	A	L	L	S	..	S	G	F	F	S	H	E	L	T	E	H		L	S	S	V	F	57											
NTDB	id	343959	EPB54	RS14240	WP	062905453.1		M	L	T	N	L	S	T	V	L	R	Q	K	G	I	L	T	F	S	Q	E	E	T	L	I	E	H	V	K	A	S	G	I	S	M	P	E	A	L	L	S	..	S	G	F	F	T	S	S	E	L	V	E	H		L	S	S	I	F	57										
NTDB	id	1293	VP	RS12240	WP	005479695.1		M	H	S	N	L	S	T	I	L	R	Q	K	G	L	L	T	F	S	Q	E	E	S	L	I	E	Q	V	K	A	S	G	I	S	M	P	E	A	L	L	S	..	S	G	F	F	T	S	S	E	L	A	E	H		L	S	S	I	F	57										
NTDB	id	1110	NGFG	RS09235	WP	003689817.1		M	S	V	G	L	L	R	I	L	V	Q	N	Q	V	T	V	E	Q	A	E	H	Y	..	N	E	S	Q	A	G	K	E	V	L	P	M	L	F	S	..	D	G	V	I	S	P	K	S	L	A	A	L		I	A	R	V	F	56												
NTDB	id	1251	GC085	RS07725	WP	011946523.1		M	A	L	A	T	E	E	Y	R	L	Q	G	I	G	L	L	V	L	E	K	L	L	D	K	T	K	A	I	E	L	H	K	L	A	A	A	E	K	I	S	L	L	Q	Y	I	V	K	..	N	K	I	L	S	A	E	Q	I	A	L	T		A	A	Q	N	F	65			
NTDB	id	1058	ABD1	RS01615	WP	001274986.1		M	S	A	L	H	T	S	P	K	F	T	G	F	F	R	L	V	E	E	K	H	V	S	A	A	T	M	Q	T	A	L	D	A	A	K	R	A	K	Q	D	T	V	A	Y	L	I	E	..	E	V	H	L	S	P	S	L	A	E	T		I	S	A	E	F	65				
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	.....	M	S	A	F																																																																		

NTDB id 1410 SGL RS13950 WP 010873519.1	GVDSDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQEGEDPPSVLVAMVDPDNLAQDELNRILRVKGF..ELRRL	161
NTDB id 1306 DR RS10060 WP 027479822.1	GVEFLDPIQNPPD....PKVALMPEATARRVVVPVRLQ...GNSLVVAMKDPRNVFALDDLKLITG.....KEILPA	455
NTDB id 1028 TT RS08215 WP 011173991.1	GYPYVDEEDPPD....PGAPLLLPEDLCRRYGVFPHRLE...GNRLVLMLMKDPRNILALDDVRLALKRKGLNIEVAPA	460
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GEPETDLISRYDYA.....NLCCQLGLRELITRYDALPIAKQ...GNLLLLAVSDPTLLQAEEEEFRFATG.....LQVELA	124
NTDB id 1401 DSB67 RS12665 WP 010643259.1	GLSCTSLNQYEYA.....SLCQTLLGLRLITRHNAFLPNRT...SSTLLIADAPTNLQAEDDFRFATG.....LQVELV	124
NTDB id 343959 EPB54 RS14240 WP 062905453.1	GLSQPESLSQYEYA.....SLCQQLGLRELITRHNAFLPHRT...PSTLLLAVADPTNQQAEDDFRFATG.....LQVELV	124
NTDB id 1293 VP RS12240 WP 005479695.1	GLSQPESLSQYEYA.....SLCQQLGLRELITRHNAFLPHRT...PSTLLLAVADPTNQQAEDDFRFATG.....LQVELV	124
NTDB id 1110 NGFG RS09235 WP 003689817.1	SYSILDLRHYPRH....RVLMGVLTTEEQMVEFHCVPFRR...GDKVFFAVSDPTQMPQIQKTIVSAAG.....IAVELV	123
NTDB id 1251 GC085 RS07725 WP 011946523.1	GVPMLDINCIDVG....TIPVNLVNEKLIKRRHAMVPLFSR...GTNLYLATDDPSKQASLKFIQFHTG.....LNTHAI	132
NTDB id 1058 ABD1 RS01615 WP 001274986.1	AEPYFDLDVYDTS....QIPKDLVDQKLILKHRIPLIQR...GQILYVATSNPSTNIEAIDAIRFNSK.....LLVEPV	132
NTDB id 1018 ACIAD RS01685 WP 004920473.1	GEPLLDLGVEDPA....LFLKDKIDEKLIQKYRIMPLVHR...GHVLYVATSNPTNIEAMDIAIRFNSK.....LKVEPI	132
consensus	* * * * *	

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NTDB id 1306 DR RS10060 WP 027479822.1	VMAEKDIIRLIERYFGKGFELKNKEL.....AE.....RNKTQQSQEADLSVA	DESAIIVQVVSII	512			
NTDB id 1028 TT RS08215 WP 011173991.1	VATEAAITKLIERFYGKAELSIAKEF.....AK.....KQAEEEV..PSPLEL	DESAAQKFVKQVI	515			
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LADHRAIQAAIRRLYGRSISGAANQGK..EI.SQDELAN.....LVKVSDELQS	IEDLSQD	DSPVSRFINQVL	190		
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LADFRELTAAIRRLYGRSLGKESGLK..EI.NQDELAG.....LVDIGEIEIN	IEDLSQD	DESPVRYINQIL	190		
NTDB id 343959 EPB54 RS14240 WP 062905453.1	LADFRELSAAIRRLYGRALGKERSGIK..EI.NQEELAS.....LVDVGADEIDN	IEDLSQD	DESPVRYINQIL	190		
NTDB id 1293 VP RS12240 WP 005479695.1	LADFRELSTAIRRLYGRSLSHKESGLK..EI.NQEELAS.....LVDVGADEIDN	IEDLSQD	DESPVRYINQIL	190		
NTDB id 1110 NGFG RS09235 WP 003689817.1	IVEDDQLAGLLDWVGRSSTSL..LQEL.....GE.....GQEEEEHSHTLY	IDNEEA	EDGPVPRFIHKTL	180		
NTDB id 1251 GC085 RS07725 WP 011946523.1	VVETDKLSALIDNLLTAKESQGLSEYVEDSG.DLEGLEI.....SAD.DEDQDIDTATSVT	DDAPIVKFVNKIL	199			
NTDB id 1058 ABD1 RS01615 WP 001274986.1	IVEHHKLEKVLGGHFEESSFDNFDE...EF.D...LDV.....NLDGPTAQEDEEEAPQG	DEAPIVKYINKLL	194			
NTDB id 1018 ACIAD RS01685 WP 004920473.1	IVEHDKLERLLSEHFVEETHFNDFTE...FL.D...LDV.....EVDPHTTDDDEDKCLK	DEAPIVKYINKLL	194			
consensus	*** * ** ***** * *	* **			***** **	

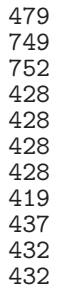
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NTDB	id	1306	DR	RS10060	WP	027479822.1	REAALQDASDIHIE T TEDAVKVR Y RIDGALRE Q NQS.FPKGAAQQIMARLKLIMGHLDIAERRVPQDGRVRF..KKGSIDLD	589
NTDB	id	1028	TT	RS08215	WP	011173991.1	REAFLQDASDIHI E PRCNDVQVRLRIGDALRPYST.LPKGALNAVISVVVKIMGGLNIAEKRLPQDGRVRY..REGAIDVD	592
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	LDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQ.PASHLSRRLLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAID	268
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	LDAVRKGASDIHFEPYENMYRVRLRC D GILIEI Q Q.PPSHL S RRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAID	268
NTDB	id	343959	EPB54	RS14240	WP	062905453.1	LDAVRKGASDIHFEPYEKMYYRVRLRC D GILIEI Q Q.PPNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAID	268
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NTDB	id	1110	NGFG	RS09235	WP	003689817.1	SDALRS G ASDIHFEFYEHNA R I R FRVVDGQLREV V Q.PPIAVRGQLASRIKVM S RLDISEKRIPQDGRMQLTFFQGGKPVD	259
NTDB	id	1251	GC085	RS07725	WP	011946523.1	LDAIRQGASDIHFEPYERBYRIRYRQDGLHEVAT.PPASLS S RRITARIKVM S NLDISERRIPQDGGF K MKISK.SRAID	277
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	IDAIRMGASDIHFEPYEKSYYRVRYRV D GVLRQIAN.PPLQLANRLASRLKVM S QMDISEKRVPPQDGRIKLKLSK.SKAI	272
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	IDAIRMSASDLHFEPYEKSYYRVRYRV D GVLRLIAT.PPLQLATRLLASRLKVM S QMDISEKRVPPQDGRIKLKLSK.SKTID	272
consensus							* * ! * * * * ! * ! * ! * * * * * ! * ! * ! * ! * * * * * ! * * * * * ! * * * * * ! * * * * * ! * * * * *	

[illegible]


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consensus

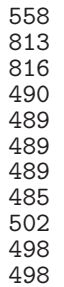
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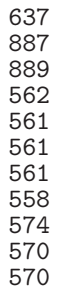
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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NTDB id 1410 SGL RS13950 WP 010873519.1	EMRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
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consensus		

-  non conserved
-  similar
-  ≥ 50% conserved