

logo

		MSXLSIGDRRLGAALLDQGYLDNBLQRALERHSEVGGRLAEVLVDQGYSEERRIASTIESEFGIPLVNLHSEVETSPKXK	
NTDB id 1410 SGL RS13950 WP 010873519.1		.....	0
NTDB id 1306 DR RS10060 WP 027479822.1		.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL	79
NTDB id 1028 TT RS08215 WP 011173991.1		MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV	80
NTDB id 1168 A1552VC RS11070 WP 000957200.1		.....	0
NTDB id 1293 VP RS12240 WP 005479695.1		.....	0
NTDB id 970418 VUK78 RS13655 WP 340700209.1		.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1		.....	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			0

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		SLTPKQAKELRAIPFALDEEAGVVRVAFLNPLDTSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLIIVVPSGA	
NTDB id 1410 SGL RS13950 WP 010873519.1		RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLIIVVPSGA	157
NTDB id 1306 DR RS10060 WP 027479822.1		ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1028 TT RS08215 WP 011173991.1		.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1		.....	0
NTDB id 1293 VP RS12240 WP 005479695.1		.....	0
NTDB id 970418 VUK78 RS13655 WP 340700209.1		.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1		.....	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			0

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		SDAGRTGGKLGGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	
NTDB id 1410 SGL RS13950 WP 010873519.1		SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	237
NTDB id 1306 DR RS10060 WP 027479822.1		.....	237
NTDB id 1028 TT RS08215 WP 011173991.1		.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1		.....	0
NTDB id 1293 VP RS12240 WP 005479695.1		.....	0
NTDB id 970418 VUK78 RS13655 WP 340700209.1		.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1		.....	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			0

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NTDB id 1410 SGL RS13950 WP 010873519.1	MTS	3
NTDB id 1306 DR RS10060 WP 027479822.1	GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQGRGLGEQLVQEGTLSR	317
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR	317
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 970418 VUK78 RS13655 WP 340700209.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	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 1410 SGL RS13950 WP 010873519.1	SSSSKKSRAVALRNYFSPFGNKL VAGCHVDAEQRLQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLY	83
NTDB id 1306 DR RS10060 WP 027479822.1	DQLREALQVQAREGKVKPLGEVITELGFASPDVDSALQKQNVGGGRLEDTLV..QSGKLSPEMLARS.....LAAQL	388
NTDB id 1028 TT RS08215 WP 011173991.1	EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEALQKQRRGGGRLEDTLV..QSGKLRPEALAA.....VATQL	388
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVAILRQAE LISATQE QAVVTQVSASGTSVPEALL..ELSIFHAQELTEQ.....LSHIF	57
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSTILRQKGLLTF SQEESLIEQVKASGISMPEALL..SSGFFTSSSELAEH.....LSSIF	57
NTDB id 970418 VUK78 RS13655 WP 340700209.1	MLSNLSTVLRQAGILTFSQEE SLLEQAKASGISMPEALL..SSGFFQSHELTEH.....LSSIF	57
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFSQEE SLLEQVKASGISMPEALL..SSGFFQSHELTEH.....LSSVF	57
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLLRILVQNQVVTVEQA EHY..NESQAGKEVLPMLF..SDGVISPKSLAAL.....IARVF	56
NTDB id 1251 GC085 RS07725 WP 011946523.1	MALATEEYRLQGITQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIV..KNKILSAEQIALT.....AAQNF	65
NTDB id 1058 ABD1 RS01615 WP 001274986.1	MSALHTSPKFTIGFFRRLVEEKHVS AATMQTALDAAKRAKQDTVAYLI..EEVHLSPSLLAET.....ISAEF	65
NTDB id 1018 ACIAD RS01685 WP 004920473.1	MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDTPVPLYI..DNFISISPLTIAEI.....ISLEF	65
consensus	* * * * *	

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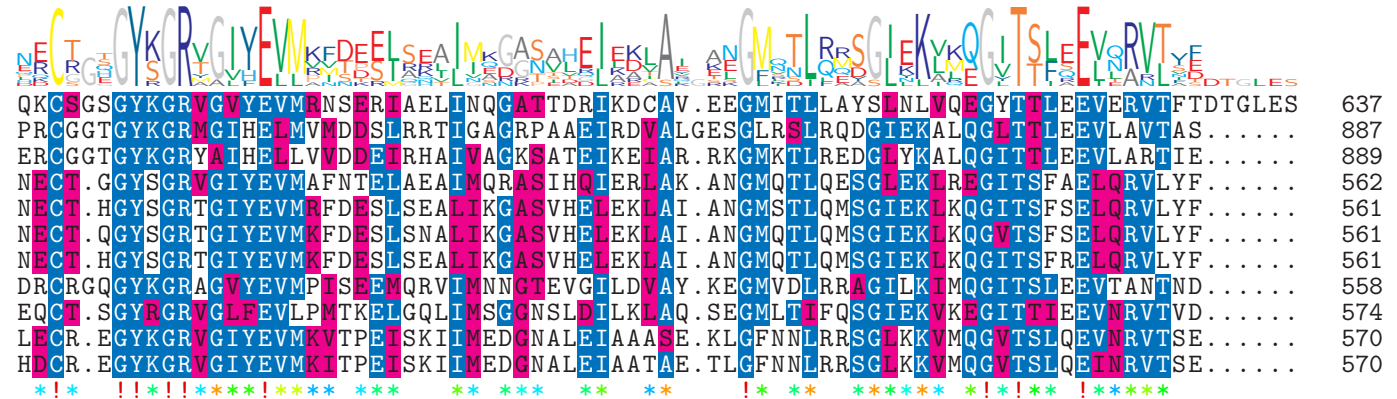
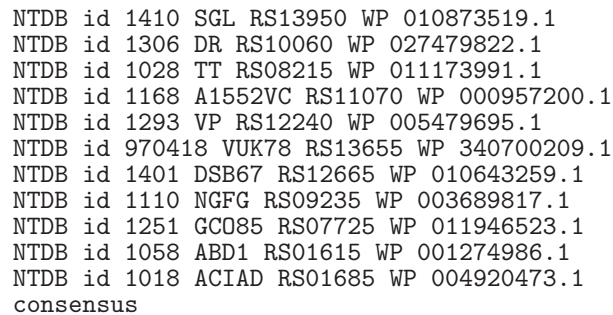
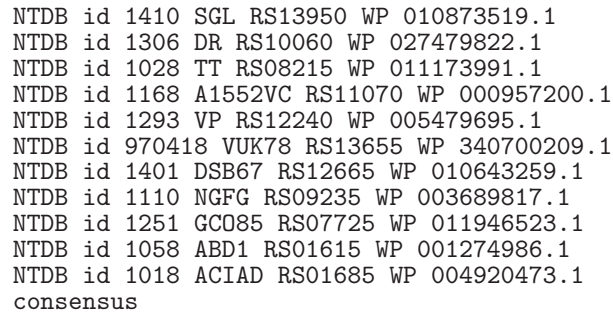
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NTDB id 1306 DR RS10060 WP 027479822.1	GYEFLDPIQNPPD....PKVALM IPEATARRVVVPVRLQG...NSLVVAMKDPRNVFALDDLKLITG.....KEILPA	455
NTDB id 1028 TT RS08215 WP 011173991.1	GYPYVDPEEDPPD....PGAPLLLPEDLCRRYGVFPHRLEG...NRLVLMLKDPRNILALDDVRLALKRKGLNVEVAPA	460
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GLPETDLSRYDYA.....NLCQQLGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAE EEF RFATG.....LQVELA	124
NTDB id 1293 VP RS12240 WP 005479695.1	GLSQPELSQY EYA.....SLCQQLGLRELITRHNALPLHRTG...STLLLAVADPTNQQAEDDFRFATG.....LQVELV	124
NTDB id 970418 VUK78 RS13655 WP 340700209.1	GLSCTSLSQYEYS.....SLCQKLGLRDLITRHNALPLNRTS...STLILAVADPTNLQAEDDFRFATG.....LQVELV	124
NTDB id 1401 DSB67 RS12665 WP 010643259.1	GLSCTSLNQYEYA.....SLCQTLGLRDLITRHNALPLNRTS...STLILAVADPTNLQAEDDFRFATG.....LQVELV	124
NTDB id 1110 NGFG RS09235 WP 003689817.1	SYSILDLRHYPRH....RVLMGVITEEQMVEFHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVSAAG.....I AVELV	123
NTDB id 1251 GC085 RS07725 WP 011946523.1	GVPMLDINCI DVG.....TIPVNLVNEKLIK RHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG.....LNTHAI	132
NTDB id 1058 ABD1 RS01615 WP 001274986.1	AEPYFDLDVYDTS.....QIPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFN SK.....LVPEPV	132
NTDB id 1018 ACIAD RS01685 WP 004920473.1	GEPLLDLGVFDPA.....LFLKDKIDEKLIQKYRIMPLVHRG...HVLVYVATSNPTNIEAMD A IRFN SK.....LKVEPI	132
consensus	* * * * *	

NTDB id 1410	SGL RS13950 WP 010873519.1	VV	TQDDFNQLLEQYYAIREEW	EAAQEKRDKERALDKLNDLTDIVGSIDMNLG	EDKEDVDNALDSNDA	NQAPVINLVNKIL	241							
NTDB id 1306	DR RS10060 WP 027479822.1	VMAEKD	IIRLIERYFGKEGFELKNKL	AE	RNKTQQSQEADLSVA	DESAIVQVVSII	512							
NTDB id 1028	TT RS08215 WP 011173991.1	VATEAA	TKLIERYFYGAELSIAKEF	AK	KQAEEFV..PSPLEL	DESAAQKFVKQVI	515							
NTDB id 1168	A1552VC RS11070 WP 000957200.1	LADHRA	LQAAIRRLYGRSISQGAANQGK	EI.SQDELANL	VKVSDDELQSIEDLSQ	DDSPVSRFINQVL	190							
NTDB id 1293	VP RS12240 WP 005479695.1	LADFREL	STAIRRLYGRSLSHSGSLK	EI.NQEELASL	VDIGADEIDNIEDLSQ	DSPVSRYNQIL	190							
NTDB id 970418	VUK78 RS13655 WP 364700209.1	LADFKEL	TAAIRRLYGRALGQEKSLK	EI.NQDELAGL	VDIGEDEIENIEDLSQ	DSPVSRYNQIL	190							
NTDB id 1401	DSB67 RS12665 WP 010643259.1	LADFREL	TAAIRRLYGRSLGQEKSLK	EI.NQDELAGL	VDIGEDEIENIEDLSQ	DSPVSRYNQIL	190							
NTDB id 1110	NGFG RS09235 WP 003689817.1	IVEDDQL	LAGLLDWVGSRSTSL.LQEL	CEG	QEEEESHITLYIDNEEA	EDGPVPRFIHKTL	180							
NTDB id 1251	GC085 RS07725 WP 011946523.1	VVETDK	LSALIDNLLTAKESQGLSEYVEDSG.DLEG	LEIS	AD.DEDQDIDTATSVT	DDAPIVKFVNKIL	199							
NTDB id 1058	ABD1 RS01615 WP 001274986.1	IVEHHK	LEKVLGQHFAEESSFDNFDE	EF.D...LDVN	LDGPTAQEDEEEAPQG	DEAPIVKYINKLL	194							
NTDB id 1018	ACIAD RS01685 WP 004920473.1	IVEHDK	LERLLSEHFVEETHFNDFTE	EL.D...LDVE	VDPHTTDDDEDKCLK	DEAPIVKYINKLL	194							
consensus		** ** *	* * * * *	* * * * *	*	*	* * *	* * * *	* * *	* * * *	* * *	* * *	* * *	* * *

NTDB	id	1410	SGL	RS13950	WP	010873519.1	AKALQE	CTSDIH	VEPQE	EETLR	IRFRK	DGVLN	QAFDPL	PRK	ITPA	VVARFK	IMAD	MDIAERRS	PQDGK	IRRIYQ	.	GRK	VD	319		
NTDB	id	1306	DR	RS10060	WP	027479822.1	REAA	LQDASDI	HETTED	AVK	VRYR	IDGAL	RE	QNS	.	FPKGAA	QIMAR	LKIMGH	LIDIAERR	VPQDGR	VRF	.	K	GSIDLD	589	
NTDB	id	1028	TT	RS08215	WP	011173991.1	REAF	LQDASDI	HIEPRC	NDVQ	VRLRI	IDGAL	RPYST	.	LPGKAL	NAVIS	SVVK	IMGGL	NIAEKRL	PQDGR	VRY	.	REGAID	VD	592	
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	LDAV	RKGASDI	HFEPYEN	QYR	IRLRC	DGIL	VETQQ	.	PASHLS	RRRLA	ARIKIL	SKLDIAERR	LPQDGRIK	LR	LS	.	DTAID	268		
NTDB	id	1293	VP	RS12240	WP	005479695.1	LDAV	RKGASDI	HFEPYEN	KMYR	VRLLRC	DGIL	LIETQQ	.	PPNHLS	RRRLS	ARIKIL	SKLDIAERR	LPQDGRIK	KL	LNQ	.	DTAID	268		
NTDB	id	970418	VUK78	RS13655	WP	340700209.1	LDAV	RKGASDI	HFEPYEN	MYR	VRLLRC	DGIL	LIETQQ	.	PPSHLS	RRRLS	ARIKIL	SKLDIAERR	LPQDGRIK	KL	LNQ	.	DTAID	268		
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	LDAV	RKGASDI	HFEPYEN	MYR	VRLLRC	DGIL	LIETQQ	.	PPSHLS	RRRLS	ARIKIL	SKLDIAERR	LPQDGRIK	KL	LNQ	.	DTAID	268		
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	SDAL	RS	GASDI	HFEPYEH	NAR	IRFRV	DGQL	REVVQ	.	PPIAV	RGQLA	SRIK	VMSRLDI	SEKRIP	QDGR	MQLTF	QKGGK	PVD	259	
NTDB	id	1251	GC085	RS07725	WP	011946523.1	LDA	TRQGASDI	HFEPYER	BYR	IRYRQ	DGIL	HEVAT	.	PPASLS	SRIT	ARIK	VMSNLDI	SERRIP	QDGGF	KK	ISK	.	SRAID	277	
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	IDAT	IRMGASDI	HFEPYEKS	YR	VRYR	VDGVL	RQIAN	.	PPLQL	ANRLA	SRLK	VMSQMDI	SEKRV	PQDGR	IKL	KL	SK	.	SKAID	272
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	IDAT	IRMSASDI	LFEPYEKS	YR	VRYR	VDGVL	RRLIAT	.	PPLQL	ATRLA	SRLK	VMSQMDI	SEKRV	PQDGR	IKL	KL	SK	.	SKTID	272
consensus							* * !	* * *	* * !	! * !	! * !	* * *	* * !	! * !	! * !	* * *	* * !	* * *	* * !	! * !	! * !	* * *	* * !			

[illegible]


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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479095.1
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus
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NTDB id 1410 SGL RS13950 WP 010873519.1	EMRAKRRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1306 DR RS10060 WP 027479822.1	.....	887
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 970418 VUK78 RS13655 WP 340700209.1	.....	561
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved