

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSXLEIGDRRLGAALLDQGYLDNQLQRALERHREVGGLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	80
NTDB id 1306 DR RS10060 WP 027479822.1	.MALSIGDRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 408633 GPY41 RS18420 WP 158123814.1	.....	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 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	SEYRSEKAKELRAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1306 DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPPALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIIVVPSGA	157
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 408633 GPY41 RS18420 WP 158123814.1	.....	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 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	SSEGSGKLEELTQKGYIDNQLQRALERHREVGGLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	0
NTDB id 1028 TT RS08215 WP 011173991.1	SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	237
NTDB id 1306 DR RS10060 WP 027479822.1	SDAGRTGGKLGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	237
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 408633 GPY41 RS18420 WP 158123814.1	.....	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 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	MTS	3
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARYLALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR	317
NTDB id 1306 DR RS10060 WP 027479822.1	GSMLRADALRLLLAVPVDETEQGVTVLTS DPRKRDPIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLLGEQLVQEGTLSR	317
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 408633 GPY41 RS18420 WP 158123814.1	.....	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 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	SSSSKKSRVALRNYFSPFGNKLIVAGGHVDAEQRLQALIVQVKKTGRSLPEELKAVTGRELSPPELLRQYKKNQLFELKVLVY	83
NTDB id 1028 TT RS08215 WP 011173991.1	EALKEALEVQKGLPRAPKLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQ..SGKLRPEALAAQ.....VATQL	388
NTDB id 1306 DR RS10060 WP 027479822.1	DQLREALQVQAREGKVKPLGEVITELGFASPDVEVDSALQKQNVGGGRLEDTLVQ..SGKLSPEMLARS.....LAAQL	388
NTDB id 1355 HI 0298 AAC21962.1	MTS..YALLHTQRTAK.....NGEVF	20
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVAILRQAEILSATQEAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.....LSHIF	57
NTDB id 408633 GPY41 RS18420 WP 158123814.1	MSTNLATILRQANQLSLTQEACRETIQASGVTAPEALLQ..LGFFQPDELTEK.....LSAIF	57
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFSQEESLIEQVKASGISMPEALLS..SGFFQSHELTEH.....LSSVF	57
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSLILRQKGLLTFSQEESLIEQVKASGISMPEALLS..SGFFTSSSLAEH.....LSSIF	57
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLLRILVQNQVVTVEQAEHY..NESQAGKEVLPMLFS..DGVISPKSLAAL.....IARVF	56
NTDB id 1251 GC085 RS07725 WP 011946523.1	MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVK..NKILSAEQIALT.....AAQNF	65
NTDB id 1058 ABD1 RS01615 WP 001274986.1	MSALHTSPKFTIGFFRRLVEEKHVSAAATMQTALDAAKRAKQD TVAYLIE..EVHLSPSLLAET.....ISAEF	65
NTDB id 1018 ACIAD RS01685 WP 004920473.1	MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDTPVPLYLID..NFSISPLTIAEI.....LSAEF	65
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NTDB id 1410 SGL RS13950 WP 010873519.1	GVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQEGDPPSVLVAMVDPDNILAAQDELNRILRVKGF..ELRRL	161
NTDB id 1028 TT RS08215 WP 011173991.1	GYPYVDPEEDPPD....PGAPLLLPEDLCRRYGVFPHRLEG...NRLVLLMKDPRNILALDDVRLALKRKGLNVEVAPA	460
NTDB id 1306 DR RS10060 WP 027479822.1	GYEFLDPIQNPPD....PKVALMPEATARRVYVVPVRLQG...NSLVVAMKDPRNVFALDDLKLITG.....KEILPA	455
NTDB id 1355 HI 0298 AAC21962.1	TI.....SPD.....LWERNQQQSLILRYFALPLKEEN...NRLWLGVDSLSNLSACETIAFITG.....KPVETI	79
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GLPETDLSRYDYA....NLCQQGLGRELITRYDALPIAKQG...NLLLLAVSDPTLLQAEFFRFRATG.....LQVELA	124
NTDB id 408633 GPY41 RS18420 WP 158123814.1	GLPRTDLNQYDYQ....ELCNQLGLRELITRHQALPLQKSN...AGLILAVADPTNIIQAEDDFRFRATG.....VQVEIV	124
NTDB id 1401 DSB67 RS12665 WP 010643259.1	GLSCTSLNQYEYA....SLCQTLGLRLDLITRHNA LPLNRTS...STLILAVADPTNLQAEDDFRFRATG.....LQVELV	124
NTDB id 1293 VP RS12240 WP 005479695.1	GLSQPELSQYEYA....SLCQQGLGRELITRHNA LPLHRTS...STLLFVAVADPTNQAEDDFRFRATG.....LQVELV	124
NTDB id 1110 NGFG RS09235 WP 003689817.1	SYSILDLRHYPRH....RVLMGVLTEEQMVFEHCVVFRRG...DKVFFAVSDPTQMPQIQKT VSAAG....IAVELV	123
NTDB id 1251 GC085 RS07725 WP 011946523.1	GVPMLDINCIDVG....TIPVNLVNEKLIKRHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG.....LNTHAI	132
NTDB id 1058 ABD1 RS01615 WP 001274986.1	AEPYFDLDVYDTS....QIPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFNSK.....LLVEPV	132
NTDB id 1018 ACIAD RS01685 WP 004920473.1	GEPLLDLGVFDPA....LFLKDKIDEKLIQKYRIMPLVHRG...HVLVYVATSNPTNIEAMD AIRFNSK.....LKVEPI	132
consensus	* * * * *	

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NTDB	id	1410	SGL RS13950 WP 010873519.1	VVTQDDFNQLLEQYYAIREEWEAAQEKRDERALDKLNDLTDIVGSIDMNLG	EDKEDVDNALDSNDA	NQAPVINLVNKKIL	241					
NTDB	id	1028	TT RS08215 WP 011173991.1	VATEEAATKLIERFYGKAELSEIAKEFAK.....	KQAEFEV..PSPLEL	DESAAQKFVKQVI	515					
NTDB	id	1306	DR RS10060 WP 027479822.1	VMAEKDITRLIERYFGEKGFEKLNKELAE.....	RNKTKQSSEA	DLSVADESAIVQVVDSII	512					
NTDB	id	1355	HI 0298 AAC21962.1	LLESQQIKELLQQITPNQMQUEAN.....	QVKFYQHQTETHFEQED	DEPVIRLLNQIF	130					
NTDB	id	1168	A1552VC RS11070 WP 000957200.1	LADHRAALQAATRRLYGRSIRQSVGAN.GKE..	ISQDEL	LAN.....L....VKVS	DDELQSI	E	DLSSQ	DDSPVSRFINQVL	190	
NTDB	id	408633	GPY41 RS18420 WP 158123814.1	LADSQBELQAATRRLYGKSISKSQSSGLKE.	IHQDEL	AS.....L....VEVS	DDEVESI	E	DLSSQ	DESPPVSRFINQIL	191	
NTDB	id	1401	DSB67 RS12665 WP 010643259.1	LADFRELTAATRRLYGRSLGQE.KSGLKE.	INQDEL	AG.....L....VDIG	EADIENI	E	DLSSQ	DESPPVSYINQIL	190	
NTDB	id	1293	VP RS12240 WP 005479695.1	LADFRELBATAATRRLYGRSLSHES.KGLKE.	INQEEL	AS.....L....VDVG	EAIENI	E	DLSSQ	DESPPVRYINQIL	190	
NTDB	id	1110	NGFG RS09235 WP 003689817.1	IVEDDQLLAGLDWVGRSTSL.LQEL.....	GE.....G.....	EEEEESTLYI	DNEEA	EDG	PVPRFI	HKTL	180	
NTDB	id	1251	GCO85 RS07725 WP 011946523.1	VVETDKLSALIDNELTAKESQGLSEYVES.D	GDLEG	LEI.....S....AD	DED	QDIDT	ATSVT	DDAPI	IVKFVNKIL	199
NTDB	id	1058	ABD1 RS01615 WP 001274986.1	IVEHHKLEKVLGGHFEESSFDNDE..E	FD...LDV.....N.....	LDGPTAQEDEE	FAPQG	DEAPI	IVKYINKIL	194		
NTDB	id	1018	ACIAD RS01685 WP 004920473.1	IVEDHDKERLISEHVFEEHTNFNDE..E	ELD...LDV.....E.....	VDPHTTTDDDD	EDDKLK	DEAPI	IVKYINKIL	194		
consensus				** ** *	* * *	*						

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NTDB	id	1410	SGL	RS13950	WP	010873519.1	AKALQE	GTS	DHVEPQ	EETLRIRFRK	DGVLNQAFDPLPRKI	TPAVVARF	KIMADMDIAEERS	PQDGKIRRIY..	QGRKV	319
NTDB	id	1028	TT	RS08215	WP	011173991.1	REAF	LQDASDIHIEPR	CNDVQVRLR	IDGALRPYS.TL	PKGALNAVISVV	VVKIMGGLNIAEKRL	PQDGRVR	R..EGAI	DVD	592
NTDB	id	1306	DR	RS10060	WP	027479822.1	REALQ	DASDIHIETTE	DAVKVRYRID	GALREQN.SFP	KGAQAQIMARLK	IMGHLDIAERRVP	PQDGRVRFK..	KGSID	LD	589
NTDB	id	1355	HI	0298	AAC	21962.1	ESATQKN	ASDIHLETLADQ	FQVRFDI	LVQPQP.LISKIFANRI	ISRLKLAKLDISENR	LPDGRFQFKTTF	.SDIL			208
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	LDAVRK	GASDIHFEPYENQYR	VLRCDCGIL	VEVQ.QPPSHLSRRLSARI	KILSKLDIAERRLP	DGRIKLRLSR.DTA	ID			268
NTDB	id	408633	GPY41	RS18420	WP	158123814.1	LDAVRK	GASDIHFEPYENQYR	VLRCDCGIL	VEVQ.QPPSHLSRRLSARI	KILSKLDIAERRLP	DGRIKLRLNQ.ETA	ID			269
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	LDAVRK	GASDIHFEPYENMYR	VLRCDCGIL	IEIQ.QPPSHLSRRLSARI	KILSKLDIAERRLP	DGRIKLKLNQ.DTA	ID			268
NTDB	id	1293	VP	RS12240	WP	005479695.1	LDAVRK	GASDIHFEPYEKM	YRVLLRCDCGIL	LIETQ.QPPNHLSRRLSARI	KILSKLDIAERRLP	DGRIKLKLNQ.DTA	ID			268
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	SDATRSG	ASDIHFEPYEHNAIR	FRVVDGQLREV	V.QPIIAVRGQLASRIK	VMSRLDISEKRIP	DGMQLTFQKG	GKPVD			259
NTDB	id	1251	GC085	RS07725	WP	011946523.1	LDAIRQG	ASDIHFEPYEREYRIR	YRQDGTILHEVA.TPP	ASLSSRTITARIK	VMSNLDISERRIP	DGGFKMKISK.SRA	ID			277
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	IDAIRM	GASDIHFEPYEKS	YRVRYRVDGVL	RQIA.NPPLQLANRLA	SRLKVMSQMDISEKRV	PQDGRIKLKL	SK.SKA	ID		272
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	IDATRMS	ASDLHFEPYEKS	YRVRYRVDGVL	RLLIA.TPPLLALTRLA	SRLKVMSQMDISEKRV	PQDGRIKLKL	SK.SKT	ID		272
consensus							*!*	*!	*	*!	*!	*!	*!	*!	*!	

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NTDB id 1410 SGL RS13950 WP 010873519.1	EMRAKRRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1306 DR RS10060 WP 027479822.1	.....	887
NTDB id 1355 HI 0298 AAC21962.1	.....	464
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 408633 GPY41 RS18420 WP 158123814.1	.....	562
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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