

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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 207751 BS065 RS17320 WP 001274990.1	.....	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	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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 207751 BS065 RS17320 WP 001274990.1	.....	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	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVDPDPSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVDPDPSAALLL	240
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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 207751 BS065 RS17320 WP 001274990.1	.....	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 1018 ACIAD RS01685 WP 004920473.1
consensus

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Sequence	Position
SVDPEVAPIATQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLAVMDPDNLAQAQDELNRILRVKGF...ELRRLVVT	164
YVDPEEDPPDP...GAPLLLPEDLCRRYGVFPHRLE...GNRLVLLMKDPBNILAADDVRLALKRKGLNVEVAPAVAT	463
ETDLSRYDYAN...LCQQGLGLRELITRYDALPTAKQ...GNLLVLLVSDPTLLQAEERFRFATG...LQVELALAD	127
QPELSQYFYAS...LCQQGLGLRELITRHNALPLHRT...PSTLLLAVADPTNQQAEDDFRFATG...LQVELVLAD	127
CTSLNQYFYAS...LCQTLGLRLITRHNALPLNRT...SSTLLLAVADPTNQQAEDDFRFATG...LQVELVLAD	127
LDLRHYPRHR...VLMGVLTEEQMVFEHCVFVR...GDKVFFAVSDPTQMPQIKTQVSAAG...IAVELVIVE	126
MLDINCIDVGT...IPVNLVNEKLIKRRHAMVPLFSR...GTNLVYATDPSKQASLIKEIQFHTG...LNTHAIVIVE	135
YFDLDVYDTSQ...IPKDLVDQKLIKRRHILPLIQR...GQILYVATSNPSNTEAIDAIRFNSK...LLVEPVIVE	135
YFDLDVYDTSQ...IPKDLVDQKLIKRRHILPLIQR...GQILYVATSNPSNTEAIDAIRFNSK...LLVEPVIVE	135
LLDLGVFDPAL...FLDKDIDEXLIQKYRIMPLVHR...GHVLYVATSNPTNTEAMDIAIRFNSK...LKVEPIIVE	135

NTDB id 1410	SGL RS13950 WP 010873519.1	QDDFNQLLEQYVAIREEWAAAEKRDQERALDKLNDLTDIVGSIDMNLG	EDKEEDVDNALDSNDA	NQAPVINLVNKILAKA	244	
NTDB id 1028	TT RS08215 WP 011173991.1	EAAITTKLIERFYGKAELSIIAKEF.....	AKKQAEFEVPSPLEL	DESAAQKFVKQVIREA	518	
NTDB id 1168	A1552VC RS11070 WP 000957200.1	HRAIQAAIRRLYGRSIQAANQGK..EI.SQDELANL.....	VKVSDDELQSIEDLSQ	DSPVSRFINQVLLDA	193	
NTDB id 1293	VP RS12240 WP 005479695.1	FRELSTAIRRLYGRSLSHEKSGLK..EI.NQEELASL.....	VDVGADEIDNIEDLSQ	DESPVSRYINQILLDA	193	
NTDB id 1401	DSB67 RS12665 WP 010643259.1	FRELTAAIRRLYGRSLGSEKSGLK..EI.NQDELAGL.....	VDIGEDEIENIEDLSQ	DESPVSRYINQILLDA	193	
NTDB id 1110	NGFG RS09235 WP 003689817.1	DDQLAGLLDWVGSRSTSL.LQEL.....	GEG.....	QEEESHTLYIDNEEA	EDGPVPRFIHKTLSDA	183
NTDB id 1251	GC085 RS07725 WP 011946523.1	TDKLSALIDNLLTAKESQGLSEYVEDSG.DLEGLEIS.....	AD.DEDQDIDTATSVT	DDAPIVKFVNKILLDA	202	
NTDB id 207751	BS065 RS17320 WP 001274990.1	HHKLEKVLGGHF AEESSFDFNDE...EF.D...LDVN.....	LDGPTTQEDEE	EAPQG	DEAPIVKYINKLLIDA	197
NTDB id 1058	ABD1 RS01615 WP 001274986.1	HHKLEKVLGGHF AEESSFDFNDE...EF.D...LDVN.....	LDGPTAQEDEE	EAPQG	DEAPIVKYINKLLIDA	197
NTDB id 1018	ACIAD RS01685 WP 004920473.1	HDKLERLLSEHFEVEETHFNFDTE...EL.D...LDVE.....	VDPHTTDDDDEDKCLK	DEAPIVKYINKLLIDA	197	
consensus		* ** **** * *	*	*	** ***** *	***** !

[illegible]

NTDB	id 1410	SGL RS13950 WP 010873519.1	NTLPSRYGEKVC	LRILDNSATQ	LGLDFLITN	PETLQTVR	ELAA	RPYGL	MLVT	GTGTS	SGKST	TLYS	VL	AERN	NS	PEVN	INTA	402						
NTDB	id 1028	TT RS08215 WP 011173991.1	STLPTVYGEKAV	MRILKKAS	DIPEIED	LGFAP	GVFER	FKEV	IS	KPYG	IFLIT	GTGTS	SGKSF	TTT	FS	ILKR	IATPDKNTQTI	675						
NTDB	id 1168	A1552VC RS11070 WP 000957200.1	STLPTLWGEKIV	LRLLDSSA	ANLID	IDKLG	YNP	QKQ	LYL	NALK	KRPQ	GMI	LT	GTGTS	SGKTV	S	LYTGLRILNTSQINISTA	351						
NTDB	id 1293	VP RS12240 WP 005479695.1	STLPTLFGKEIV	LRLLDSSAS	LDID	KLGY	SEQ	QKQ	LYL	LEAL	RRPQ	GMI	LT	GTGTS	SGKTV	S	LYTGLNILNKP	INISTA	351					
NTDB	id 1401	DSB67 RS12665 WP 010643259.1	STLPTLFGKEIV	LRLLDSSA	ALDID	KLGY	SDS	QKQ	LYL	DALR	RRPQ	GMI	LT	GTGTS	SGKTV	S	LYTGLNILNKP	INISTA	351					
NTDB	id 1110	NGFG RS09235 WP 003689817.1	STLPTLFGKEV	VMRILNSD	AASLN	IDQL	GFE	PF	QKK	LL	LEA	THR	PHY	GM	VLT	GTGTS	SGKTV	S	LYTCLNINLTESVNI	ATA	342			
NTDB	id 1251	GC085 RS07725 WP 011946523.1	STCPTSAGEK	VVMRVLDS	GA	AKLG	IE	AL	GF	NP	VQR	TN	FL	KAI	QRP	QGM	I	LT	GTGTS	SGKTV	T	LYTALNINLTIEVN	ISTA	360
NTDB	id 207751	BS065 RS17320 WP 001274990.1	NSLPTLFGKEIV	LRILDP	SSAM	LGIDA	AL	GYEED	QK	ALF	MEALD	KP	QGM	LLI	T	GTGTS	SGKTV	S	LYTGLNINLT	ESSN	ISTA	355		
NTDB	id 1058	ABD1 RS01615 WP 001274986.1	NSLPTLFGKEIV	LRILDP	SSAM	LGIDA	AL	GYEED	QK	ALF	MEALD	KP	QGM	LLI	T	GTGTS	SGKTV	S	LYTGLNINLT	ESSN	ISTA	355		
NTDB	id 1018	ACIAD RS01685 WP 004920473.1	NSLPTLFGKEIV	LRILDP	ASAM	LGIDA	AL	GYE	PE	QK	ALF	MEALN	KP	QGM	LLI	T	GTGTS	SGKTV	S	LYTGLNINLT	EHAN	ISTA	355	
consensus			*****!!!!***** **** !** * ** ***** *!!!!*!!!!!!*****!!!!***** *!****!																					

logo

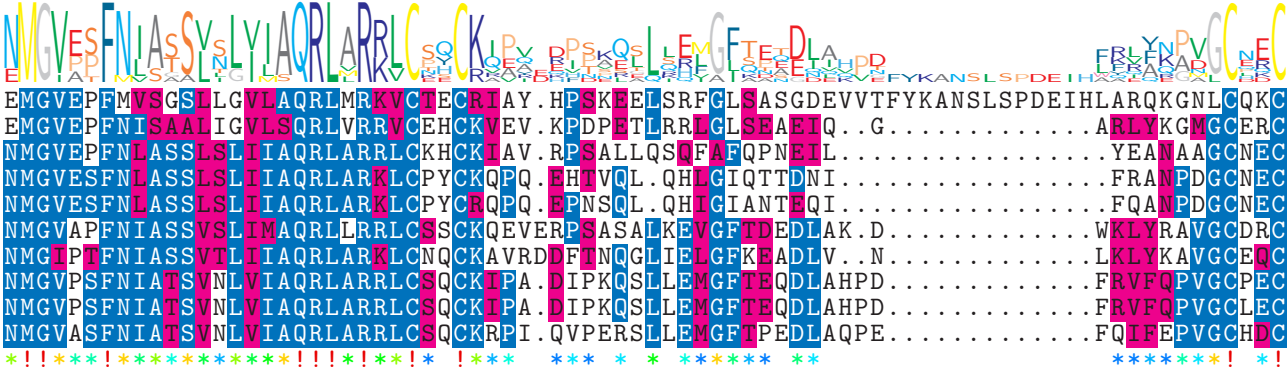
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NTDB id	1110	NGFG RS09235 WP 003689817.1
NTDB id	1251	GC085 RS07725 WP 011946523.1
NTDB id	207751	BS065 RS17320 WP 001274990.1
NTDB id	1058	ABD1 RS01615 WP 001274986.1
NTDB id	1018	ACIAD RS01685 WP 004920473.1
consensus		



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755
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logo

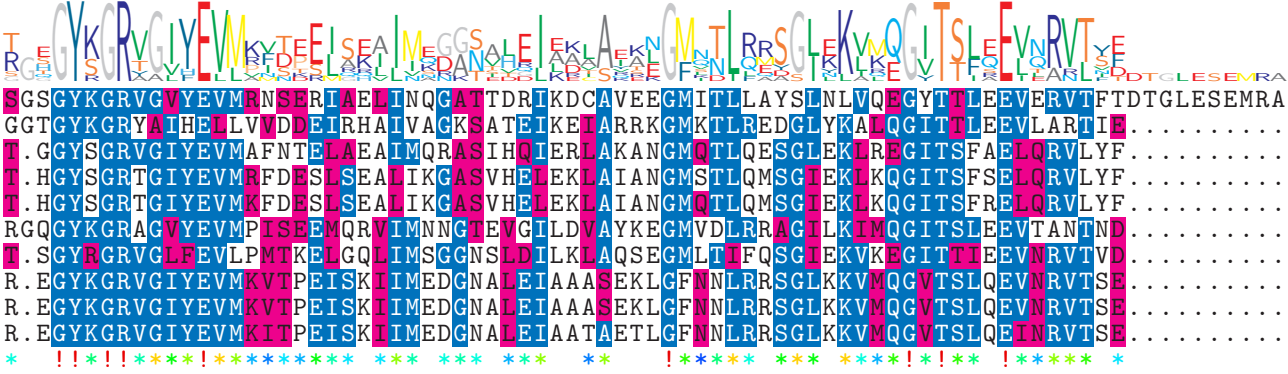
NTDB id	1410	SGL RS13950 WP 010873519.1
NTDB id	1028	TT RS08215 WP 011173991.1
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NTDB id	1058	ABD1 RS01615 WP 001274986.1
NTDB id	1018	ACIAD RS01685 WP 004920473.1
consensus		



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NTDB id	1410	SGL RS13950 WP 010873519.1
NTDB id	1028	TT RS08215 WP 011173991.1
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NTDB id	1018	ACIAD RS01685 WP 004920473.1
consensus		



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logo

NTDB id 1410 SGL RS13950 WP 010873519.1	KRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
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 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 207751 BS065 RS17320 WP 001274990.1	.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved