

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 254317 CTZ18 RS17205 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 254317 CTZ18 RS17205 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	EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	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 254317 CTZ18 RS17205 WP 001274990.1	.....	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	MTSSSS	6
NTDB id 1028 TT RS08215 WP 011173991.1	LRSDALRYGAVPIGFQNGEVEVVLSDRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	320
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 254317 CTZ18 RS17205 WP 001274990.1	.....	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	SKKSRVALRNYFSPFGNKLVAAGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLYGVD	86
NTDB id 1028	TT RS08215 WP 011173991.1	KEAIEVQKGGLPFAKPLGETLVELGLARPEDVEEALQKQRGGGRLEDTLVQ..SGKLRPEALACA.....VATQLGYGP	391
NTDB id 1168	A1552VC RS11070 WP 000957200.1	MLTNLVALLRQAELISATQEQAVVTQVSASGTSVPPEALLE..LSIFHAQELTEQ.....LSHTFGIP	60
NTDB id 1293	VP RS12240 WP 005479695.1	MHSNLSTILRRQKGLTFSSQESLIEQVKASGISMPPEALLS..SGFFTSSELAEH.....LSSIFGLS	60
NTDB id 1401	DSB67 RS12665 WP 010643259.1	MLTNLSTVLRRQAGILTFSQEESSLLEQVKASGISMPEALLS..SGFFQSHELTEH.....LSSVFGLS	60
NTDB id 1110	NGFG RS09235 WP 003689817.1	MSVGLLRLLVQNQVVTVQEAHHYY.NESQAGKEVLPMLFS..DGVISPKS LAAL.....IARVFSYS	59
NTDB id 1251	GCO85 RS07725 WP 011946523.1	...MALATEEYRLQGTGLLVLEKLLDKTKAIELHKLA AA EKI SLLQYIVK..NKILSAEQIALT.....AAQNFGVP	68
NTDB id 254317	CTZ18 RS17205 WP 001274990.1	...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIE..EVHLSPSLLAET.....ISAEFAEP	68
NTDB id 1058	ABD1 RS01615 WP 001274986.1	...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIE..EVHLSPSLLAET.....ISAEFAEP	68
NTDB id 1018	ACIAD RS01685 WP 004920473.1	...MSAFTTPPKFSGFIRRLVEEGYVNANQMMALEKAKKFQKDITPYPLID..NFSISPLTI AEI.....ISLEFGEP	68
consensus		* * * * *	

NTDB id 1410	SGL RS13950 WP 010873519.1	SVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPSPSVLVAMVDPDNLAQAQDELNRILRVKGF..ELRRLVVT	164
NTDB id 1028	TT RS08215 WP 011173991.1	YVDPEEDPPDP.....GAPLLLPEDLCRRYGVPFPHRL...GNRLVLMLMKDPRNIALLDDVRLALKRKGLNYEVAPAVAT	463
NTDB id 1168	A1552VC RS11070 WP 000957200.1	ETDLRSYDYAN.....LCQQLGLRELI TRYDALPIAKQ...GNLLLLAVSDPTLLQAEEEFRAFATG.....LQVELALAD	127
NTDB id 1293	VP RS12240 WP 005479695.1	QPELSQVEYAS.....LCQQLGLRELITRNHALPLHRT...PSTLLILAVADPTNQQAEDDFRFATG.....LQVELVLAD	127
NTDB id 1401	DSB67 RS12665 WP 010643259.1	CTSLNHQVEYAS.....LCQTGLGRLDLITRHNALPLNRT...SSTLLILAVADPTNLQAEDDFRFATG.....LQVELVLAD	127
NTDB id 1110	NGFG RS09235 WP 003689817.1	ILDLRHYPRHR.....VLMGVLTTEEQMVEFHCVPVFRR...GDKVFFAVSDPTQMPQIQKTVSAG.....I AVELVIVE	126
NTDB id 1251	GCO85 RS07725 WP 011946523.1	MLDINCIDVGT.....IPVNLVNEKLIKRHAMVPLFSR...GTNLYLATDDPSKQASLK EIQFHTG.....LNTHA IVE	135
NTDB id 254317	CTZ18 RS17205 WP 001274990.1	YFDLDVYDTSQ....IPKDLVDQKLILKHRI LPLIQR...GGILYVATS NPSNIEAIDAIRFN SK.....LLVEPVIVE	135
NTDB id 1058	ABD1 RS01615 WP 001274986.1	YFDLDVYDTSQ....IPKDLVDQKLILKHRI LPLIQR...GGILYVATS NPSNIEAIDAIRFN SK.....LLVEPVIVE	135
NTDB id 1018	ACIAD RS01685 WP 004920473.1	LLEDLGVEDPAL.....FLKDKEIDEKLIQKYRIMPLVHR...GHVLYVATS NPTNIEAMD A IRFN SK.....LKVEP IIVE	135
consensus		* * * * * * * * * * * * * ! * * * * * * * * * ! * * * * * * * * * * * * * * * * * * * *	

NTDB id 1410	SGL RS13950 WP 010873519.1	QDDFNQLLEQYVAIREEWAAAEKRDQERALDKLNDLTDIVGSIDMNLG	EDKEEDVDNALDSNDA	NQAPVILNVNKILLAKA	244	
NTDB id 1028	TT RS08215 WP 011173991.1	EAAITTKLIERFYGAELSIIAKEF.....	AKKQAEFEVPSPLEL	DESAAQKFVKQVIREA	518	
NTDB id 1168	A1552VC RS11070 WP 000957200.1	HRAIQAAIRRLYGRSIQAANQGK..EI.SQDELANL.....	VKVSDDELQSIEDLSQ	DSPVSRRFINQVLLDA	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.....	VDIGEDEIEINEDLSQ	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 254317	CTZ18 RS17205 WP 001274990.1	HHKLEKVLGGHFAEESSFDFNDE...EF.D...LDVN.....	LDGPTTQEDEEEAPQG	DEAPIVKYINKLLIDA	197	
NTDB id 1058	ABD1 RS01615 WP 001274986.1	HHKLEKVLGGHFAEESSFDFNDE...EF.D...LDVN.....	LDGPTAQEDEEEAPQG	DEAPIVKYINKLLIDA	197	
NTDB id 1018	ACIAD RS01685 WP 004920473.1	HDKLERLLSEHFVEETHFNFDTE...EL.D...LDVE.....	VDPHTTDDDDEDKCLK	DEAPIVKYINKLLIDA	197	
consensus		* ** **** * *	*	* * ***** *	***** !	

[illegible]

NTDB id 1410	SGL RS13950 WP 010873519.1	N	T	L	P	S	R	Y	G	E	K	V	C	L	R	I	L	D	N	S	A	T	Q	L	G	L	D	F	L	I	T	N	P	E	T	L	Q	T	V	R	E	L	A	A	R	P	Y	G	L	M	V	T	G	P	T	G	S	G	K	S	T	T	L	Y	S	V	L	A	E	R	N	S	P	E	V	N	I	N	T	A	
NTDB id 1028	TT RS08215 WP 011173991.1	S	T	L	P	T	V	Y	G	E	K	A	V	M	R	I	L	K	K	A	S	D	I	P	E	I	E	D	L	G	F	A	P	G	V	F	E	R	F	K	E	V	I	S	K	P	Y	G	I	F	L	I	T	G	P	T	G	S	G	K	S	F	T	T	F	S	I	L	K	R	I	A	T	P	D	K	N	T	Q	T	I
NTDB id 1168	A1552VC RS11070 WP 000957200.1	S	T	L	P	T	L	W	G	E	K	I	V	L	R	L	D	S	S	A	A	N	L	D	I	D	K	L	G	L	G	N	P	Q	Q	K	Q	L	Y	L	N	A	L	K	R	P	Q	G	M	I	L	M	T	G	P	T	G	S	G	K	T	V	S	L	Y	T	G	L	R	I	L	N	T	S	Q	I	N	I	S	T	A
NTDB id 1293	VP RS12240 WP 005479695.1	S	T	L	P	T	L	F	G	E	K	I	V	L	R	L	D	S	S	A	L	D	I	D	K	L	G	Y	S	E	Q	Q	K	L	Y	L	E	A	L	R	R	P	Q	G	M	I	L	M	T	G	P	T	G	S	G	K	T	V	S	L	Y	T	G	L	N	I	L	N	K	P	E	I	N	I	S	T	A				
NTDB id 1401	DSB67 RS12665 WP 010643259.1	S	T	L	P	T	L	F	G	E	K	I	V	L	R	L	D	S	S	A	L	D	I	N	K	L	G	Y	S	D	S	Q	Q	K	L	Y	L	D	A	L	R	R	P	Q	G	M	I	L	M	T	G	P	T	G	S	G	K	T	V	S	L	Y	T	G	L	S	I	L	N	K	P	E	I	N	I	S	T	A			
NTDB id 1110	NGFG RS09235 WP 003689817.1	S	T	L	P	T	L	F	G	E	K	V	M	R	I	L	N	S	D	A	A	S	L	N	I	D	Q	L	G	F	E	P	F	Q	K	K	L	L	E	A	T	H	R	P	Y	G	M	V	L	T	G	P	T	G	S	G	K	T	V	S	L	Y	T	C	L	N	I	L	N	T	E	S	V	N	I	A	T	A			
NTDB id 1251	GC085 RS07725 WP 011946523.1	S	T	C	P	T	S	A	G	E	K	V	M	R	V	L	D	S	G	A	A	K	L	G	I	E	A	L	G	F	N	P	V	Q	R	T	N	F	L	K	A	I	Q	R	P	Q	G	M	I	L	V	T	G	P	T	G	S	G	K	T	V	T	L	Y	T	A	L	N	I	L	N	T	I	E	V	N	I	S	T	A	
NTDB id 254317	CTZ18 RS17205 WP 001274990.1	N	S	L	P	T	L	F	G	E	K	I	V	L	R	I	L	D	P	S	S	A	M	L	G	I	D	A	L	G	Y	E	E	D	Q	K	A	L	F	M	E	A	L	D	K	P	Q	G	M	L	I	T	G	P	T	G	S	G	K	T	V	S	L	Y	T	G	L	N	I	L	N	T	E	S	S	N	I	S	T	A	
NTDB id 1058	ABD1 RS01615 WP 001274986.1	N	S	L	P	T	L	F	G	E	K	I	V	L	R	I	L	D	P	S	S	A	M	L	G	I	D	A	L	G	Y	E	E	D	Q	K	A	L	F	M	E	A	L	D	K	P	Q	G	M	L	I	T	G	P	T	G	S	G	K	T	V	S	L	Y	T	G	L	N	I	L	N	T	E	S	S	N	I	S	T	A	
NTDB id 1018	ACIAD RS01685 WP 004920473.1	N	S	L	P	T	L	F	G	E	K	I	V	L	R																																																																		

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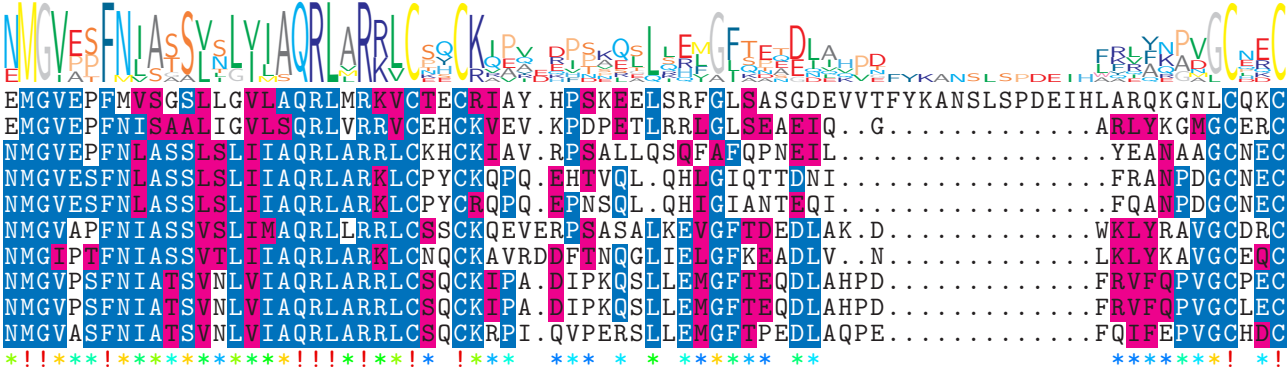
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NTDB id	1401	DSB67 RS12665 WP 010643259.1
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NTDB id	1058	ABD1 RS01615 WP 001274986.1
NTDB id	1018	ACIAD RS01685 WP 004920473.1
consensus		



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logo

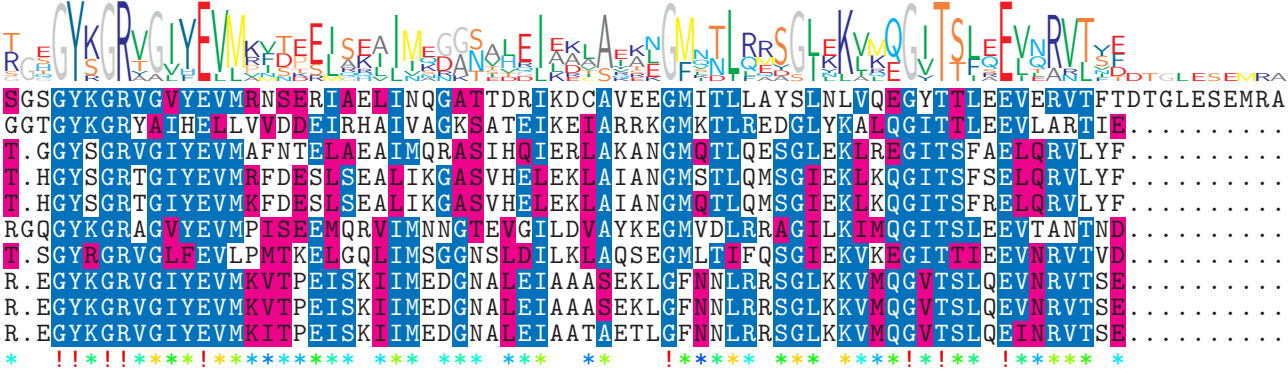
NTDB id	1410	SGL RS13950 WP 010873519.1
NTDB id	1028	TT RS08215 WP 011173991.1
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NTDB id	1058	ABD1 RS01615 WP 001274986.1
NTDB id	1018	ACIAD RS01685 WP 004920473.1
consensus		



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NTDB id	1410	SGL RS13950 WP 010873519.1
NTDB id	1028	TT RS08215 WP 011173991.1
NTDB id	1168	A1552VC RS11070 WP 000957200.1
NTDB id	1293	VP RS12240 WP 005479695.1
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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	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
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NTDB id 1251 GC085 RS07725 WP 011946523.1		574
NTDB id 254317 CTZ18 RS17205 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