

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 172288 AYR69 RS01645 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 172288 AYR69 RS01645 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	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	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 172288 AYR69 RS01645 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 172288 AYR69 RS01645 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..SGKLRPEALAAQA.....VATQLGYGP	391
NTDB id 1168	A1552VC RS11070 WP 000957200.1	MLTNLVALLRQAEILSATQEQA VVTQVSASGTSVP EALLE..LSIFHAQELTEQ.....LSHTFGIP	60
NTDB id 1293	VP RS12240 WP 005479695.1	MHSNLSTILRRQKGLTFSSQESLIEQVKASGISMP EALLS..SGFFTSSELAEH.....LSSIFGLS	60
NTDB id 1401	DSB67 RS12665 WP 010643259.1	MLTNLSTVL RQAGILTFSQEESLLEQVKASGISMPE ALLS..SGFFQSHELTEH.....LSSVFGLS	60
NTDB id 1110	NGFG RS09235 WP 003689817.1	MSVGLLRLLVQNQVVTV EQAEHYH.NESQAGKEVLP MLFS..DGVISP KSLAAL.....IARVFSYS	59
NTDB id 1251	GCO85 RS07725 WP 011946523.1	...MALATEEYRLQGIGQLLVLEKLLDKTKAI ELHKLA AAEKISLLQYIVK..NKILSAEQIALT.....AAQNFQVP	68
NTDB id 172288	AYR69 RS01645 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	...MSAFTTPPKFSGFIIRLVEEGYVNANQMMALEKAKKFQKDITPYPLID..NFSISPLTIAEI.....ISLEFGEP	68
consensus		* * * * *	

NTDB id 1410	SGL RS13950 WP 010873519.1	SVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPSPVLVAMVPDPNLAQAQDELNRILRVKGF..ELRRLVVT	164
NTDB id 1028	TT RS08215 WP 011173991.1	YVDPEEDPPDP.....GAPLLLPEDLCRRYGVFPHRLLE...GNRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPAVAT	463
NTDB id 1168	A1552VC RS11070 WP 000957200.1	ETDLRSYDYAN.....LCQQLGLRELI TRYDALPIAKQ...GNL LLLAVSDPTLLQAEEEF RFATG.....LQVELALAD	127
NTDB id 1293	VP RS12240 WP 005479695.1	QP ELSQYEYAS.....LCQQLGLRELITRNHALPLHRT...PSTLLILAVADPTNQQAEDDFRFATG.....LQVELVLAD	127
NTDB id 1401	DSB67 RS12665 WP 010643259.1	CTSLNHQEYAS.....LCQTGLGRDLITRHNALPLNRT...SSTILLAVADPTNLQAEDDFRFATG.....LQVELVLAD	127
NTDB id 1110	NGFG RS09235 WP 003689817.1	ILDLRHYPRHR.....VLMGVLTTEE QMVEFHCVPVFRR...GDKVFFAVSDPTQM PQIQKTVS AAG.....I AVELVIVE	126
NTDB id 1251	GCO85 RS07725 WP 011946523.1	MLDINCIDVGT.....IPVNLVNEKL IKRHAMVPLFSR...GTNLYLATDDPSKQASLK EI QFHTG.....LNTHAIVE	135
NTDB id 172288	AYR69 RS01645 WP 001274990.1	YFDLDVYDTSQ.....IPKDLVDQKL ILKHRI LPLIQR...GQILYVATS NPSNIEAIDAIRFN SK.....LLVEPVIVE	135
NTDB id 1058	ABD1 RS01615 WP 001274986.1	YFDLDVYDTSQ.....IPKDLVDQKL ILKHRI LPLIQR...GQILYVATS NPSNIEAIDAIRFN SK.....LLVEPVIVE	135
NTDB id 1018	ACIAD RS01685 WP 004920473.1	LLEDLGVEFDAL.....FLKD KIDEK LIQKYRIMPLVHR...GHVLYVATS NPTNIEAMD AIRFN SK.....LKVEPIIVE	135
consensus		* * * * * * * * * * * * * ! * * * * * * * * * * ! * * * * * * * * * * * * * * * * * * * *	

NTDB id 1410	SGL RS13950 WP 010873519.1	QDDFNQLLEQYVAIREEWAAQEKRDKERALDKLNDLTDIVGSIDMNLGEDKEEDVDNALDSNDA	NQAPVINLVNKILAKA	244
NTDB id 1028	TT RS08215 WP 011173991.1	EAAITTKLIERFYGKAELSIIAEF.....	AKKQAEFEVPSPLELDESAAQKFVKQVIREA	518
NTDB id 1168	A1552VC RS11070 WP 000957200.1	HRAIQAAIRRLYGRSIQAANQGK..EI.SQDELANL.....	VKVSDDELSQSIEDLSQDPSVSRFINQVLLDA	193
NTDB id 1293	VP RS12240 WP 005479695.1	FRELSTAIRRLYGRSLSHEKSGLK..EI.NQEELASL.....	VDVGADEIDNIIEDLSQDESPVSRYINQILLDA	193
NTDB id 1401	DSB67 RS12665 WP 010643259.1	FRELTAAIRRLYGRSLGSEKSGLK..EI.NQDELAGL.....	VDIGEDEIEINIEDLSQDESPVSRYINQILLDA	193
NTDB id 1110	NGFG RS09235 WP 003689817.1	DDQLAGLLDWVGSRSTSL..LQEL.....GEG.....	QEEESHTLYIDNEEAEDGPVPRFIHKTLSDA	183
NTDB id 1251	GCO85 RS07725 WP 011946523.1	TDKLSALIDNLLTAKESQGLSEYVEDSG.DLEGLEIS.....	AD.DEDQDIDTATSVTDDEAPIVKFVNKILLDA	202
NTDB id 172288	AYR69 RS01645 WP 001274990.1	HHKLEKVLGGHFAEESSFDFNDE...EF.D...LDVN.....	LDGPTTQEDEEEAPQGDEAPIVKYINKLLIDA	197
NTDB id 1058	ABD1 RS01615 WP 001274986.1	HHKLEKVLGGHFAEESSFDFNDE...EF.D...LDVN.....	LDGPTAQEDEEEAPQGDEAPIVKYINKLLIDA	197
NTDB id 1018	ACIAD RS01685 WP 004920473.1	HDKLERLLSEHFVEETHFNFDTE...EL.D...LDVE.....	VDPHTTDDDDEDKLLKDEAPIVKYINKLLIDA	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	Y	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	Q	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	A	L	D	I	N	K	L	G	Y	S	D	S	S	Q	Q	K	Q	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	I	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 172288	AYR69 RS01645 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.																																																																																

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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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logo

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
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
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
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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 172288 AYR69 RS01645 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