

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 275974 C6N18 RS02500 WP 001274987.1	.....	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 275974 C6N18 RS02500 WP 001274987.1	.....	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 275974 C6N18 RS02500 WP 001274987.1	.....	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 275974 C6N18 RS02500 WP 001274987.1	.....	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	SKKSRVAVALRNYFSPFGNKLVAGCHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELRLQYKKNQLFELKVLYGVD	86
NTDB id 1028	TT RS08215 WP 011173991.1	KEAIEVQKGGLPFAKPLGETLVLELGLARPEDVEEALQKQRGGGRLEDTLVQ..SGKLRPEALACA.....VATQLGYGP	391
NTDB id 1168	A1552VC RS11070 WP 000957200.1	MLTNLVALLLRQAELISATQEQAQVVTQVSASGTSVPPEALLE..LSIFHAQELTEQ.....LSHIFGLP	60
NTDB id 1293	VP RS12240 WP 005479695.1	MHSNLSTILRRQKGLTFSSQESLIEQVKASGISMPALLS..SGFFTSSELAEH.....LSSIFGLS	60
NTDB id 1401	DSB67 RS12665 WP 010643259.1	MLTNLSTVLRRQAGILTFSQEESSLIEQVKASGISMEALLS..SGFFQSHELTEH.....LSSVFGLS	60
NTDB id 1110	NGFG RS09235 WP 003689817.1	MSVGLLRLLVQNQVVTVQEAHHYY.NESQACKEVLPMLFS..DGVISPKS LAAL.....IARVFSYS	59
NTDB id 1251	GCO85 RS07725 WP 011946523.1	...MALATEEYRLQGTGLLVLEKLLDKTKAIELHKLA AA EKI SLLQYIVK..NKILSAEQIALT.....AAQNFQVP	68
NTDB id 275974	C6N18 RS02500 WP 001274987.1	...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIE..EVHLSPSLLAET.....ISAEFAEP	68
NTDB id 1058	ABD1 RS01615 WP 001274986.1	...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIE..EVHLSPSLLAET.....ISAEFAEP	68
NTDB id 1018	ACIAD RS01685 WP 004920473.1	...MSAFTTPPKFSGFIRRLVEEGYVNANQMMALEKAKKFQKDIPYPLID..NFSISPLTIAEI.....ISLEFGEP	68
consensus		* * * * *	

NTDB	id	1410	SGL	RS13950	WP	010873519.1	S	V	D	P	E	V	A	P	I	A	T	Q	Q	M	A	E	L	I	G	R	F	F	L	D	T	C	R	R	F	K	F	L	P	L	A	Q	Q	E	G	D	P	P	S	V	L	V	A	M	V	D	P	D	N	L	A	A	Q	D	E	L	N	R	I	L	R	V	K	G	F	.	E	.	L	R	R	L	V	V	T	164		
NTDB	id	1028	TT	RS08215	WP	011173991.1	Y	V	D	P	E	E	D	P	P	D	P	.	.	.	.	.	.	G	A	P	L	L	P	E	D	L	C	R	R	Y	G	V	F	P	H	R	L	E	.	.	G	N	R	L	V	L	L	M	K	D	P	R	N	I	L	A	L	D	D	V	R	L	A	L	K	R	K	G	L	N	Y	E	V	A	P	A	V	A	T	463		
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	E	T	D	L	S	R	Y	D	Y	A	N	.	.	.	.	.	.	L	C	Q	Q	L	G	L	R	E	L	I	T	R	Y	D	A	L	P	I	A	K	Q	.	.	G	N	L	L	L	A	V	S	D	P	T	L	L	Q	A	E	E	E	F	R	F	A	T	G	.	.	.	.	.	.	L	Q	V	E	L	A	L	A	D	127	
NTDB	id	1293	VP	RS12240	WP	005479695.1	Q	P	E	L	S	Q	Y	E	Y	A	S	.	.	.	.	.	.	L	C	Q	Q	L	G	L	R	E	L	I	T	R	H	N	A	L	P	L	H	R	T	.	.	P	S	T	L	L	A	V	A	D	P	T	N	Q	Q	A	E	D	D	F	R	F	A	T	G	.	.	.	.	.	.	L	Q	V	E	L	V	L	A	D	127	
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	C	T	S	L	N	H	Y	E	Y	A	S	.	.	.	.	.	.	L	C	Q	T	L	G	L	R	D	L	I	T	R	H	N	A	L	P	L	H	R	T	.	.	S	S	T	L	L	A	V	A	D	P	T	N	Q	Q	A	E	D	D	F	R	F	A	T	G	.	.	.	.	.	.	L	Q	V	E	L	V	L	A	D	127	
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	I	L	D	L	R	H	Y	P	R	H	R	.	.	.	.	.	.	V	L	M	G	V	L	T	E	E	Q	M	V	E	F	H	C	V	P	V	F	R	R	.	.	G	D	K	V	F	F	A	V	S	D	P	T	Q	M	P	Q	I	Q	K	T	V	S	A	A	G	.	.	.	.	.	.	I	A	V	E	L	V	I	V	E	126
NTDB	id	1251	GC085	RS07725	WP	011946523.1	M	L	D	I	N	C	I	D	V	G	T	.	.	.	.	.	.	I	P	V	N	L	V	N	E	K	L	I	K	R	H	A	M	V	P	L	F	S	R	.	.	G	T	N	L	Y	L	A	T	D	D	P	S	K	Q	A	S	L	K	E	I	Q	F	H	T	G	.	.	.	.	.	.	L	N	T	H	A	I	V	E	135	
NTDB	id	275974	C6N18	RS02500	WP	001274987.1	Y	F	D	L	D	V	Y	D	T	S	Q	.	.	.	.	.	.	I	P	K	D	L	V	D	Q	K	L	I	L	K	H	R	I	L	P	L	I	Q	R	.	.	G	Q	I	L	Y	V	A	T	S	N	P	S	N	I	E	A	I	D	A	I	R	F	N	S	K	.	.	.	.	.	.	L	L	V	E	P	V	I	V	E	135
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	Y	F	D	L	D	V	Y	D	T	S	Q	.	.	.	.	.	.	I	P	K	D	L	V	D	Q	K	L	I	L	K	H	R	I	L	P	L	I	Q	R	.	.	G	Q	I	L	Y	V	A	T	S	N																															

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NTDB id 1410 SGL RS13950 WP 010873519.1	QDDFNQLIEQYVAIREEWFAAQEKRDQERALDKLNDLTDIVGSIDMNLG	EDKEDVDNALDSNDANQAPVINLVNKILAKA	244
NTDB id 1028 TT RS08215 WP 011173991.1	EAAITTKLIERFYGKAELSEIAKEF.....	AKKQAEIEVPSPLELDESAAQKFVKQVIREA	518
NTDB id 1168 A1552VC RS11070 WP 000957200.1	HRALQAAIRRLYGRSISQGAANQGK..EI.SQDELANL.....	VKVSDDDELQSTIEDLSQDDSPVSRFINQVLLDA	193
NTDB id 1293 VP RS12240 WP 005479695.1	FRELSTAIRRLYGRSLSHEKSGLK..EI.NQEELASL.....	VDVGADEIDNIEDLSQDES PVSRYINQILLDA	193
NTDB id 1401 DSB67 RS12665 WP 010643259.1	FRELTAAIRRLYGRSLGQEKSGLK..EI.NQDELAGL.....	VDIGEDEIENIEDLSQDES PVSRYINQILLDA	193
NTDB id 1110 NGFG RS09235 WP 003689817.1	DDQLAGLLDWVGSFSTSL..LQEL.....	GEG.....QEEEEHSHTLYIDNEEAEDGPVPRFIHKHTLSDA	183
NTDB id 1251 GC085 RS07725 WP 011946523.1	TDKLSALIDNLLTAKESQGLSEYVEDSG.DLEGLEIS.....	AD.DEDQDIDTATSVTDDAPIVKFVNKILLDA	202
NTDB id 275974 C6N18 RS02500 WP 001274987.1	HHKLEKVLGQHF AEES SFD FNDE...EF.D...LDVN.....	LDGPTAQEDEEEAPQGDEAPIVKYINKLLIDA	197
NTDB id 1058 ABD1 RS01615 WP 001274986.1	HHKLEKVLGQHF AEES SFD FNDE...EF.D...LDVN.....	LDGPTAQEDEEEAPQGDEAPIVKYINKLLIDA	197
NTDB id 1018 ACIAD RS01685 WP 004920473.1	HDKLERLLSEHFVEETHFNFDTE...EL.D...LDVE.....	VDPHTTDDDDDEDKDKLDEAPIVKYINKLLIDA	197
consensus	* ** **** * * *	** ***** *	*****!!!!!!

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NTDB id 1410 SGL RS13950 WP 010873519.1	LQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQ..GRKVDFRV	322
NTDB id 1028 TT RS08215 WP 011173991.1	FLQDASDIHIEPRQNDVQVRLRIDGALRPYSTL.PKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYR..EGAIDVDLRL	595
NTDB id 1168 A1552VC RS11070 WP 000957200.1	VRKGASDIHFEPYENQYRIRLRCDGILVETQQP.ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRV	271
NTDB id 1293 VP RS12240 WP 005479695.1	VRKGASDIHFEPYEKMYRVRLRCDGILVETQQP.PNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRV	271
NTDB id 1401 DSB67 RS12665 WP 010643259.1	VRKGASDIHFEPYENMYRVRLRCDGILVETQQP.PSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRV	271
NTDB id 1110 NGFG RS09235 WP 003689817.1	LRSGASDIHFEFYEHNARIRFRVDGQLREVVQP.PIAVRGQLASRIKVM SRLDISEKRIPQDGRMQLTFQKGGKPVDFRV	262
NTDB id 1251 GC085 RS07725 WP 011946523.1	IRQGASDIHFEPYEREYRIRYRQDGLHEVATP.PASLSRITARIKVM SNLDISERRIPQDGGFKMKISK.SRAIDFRV	280
NTDB id 275974 C6N18 RS02500 WP 001274987.1	IRMGASDLHFEPYEKSYRVRYRVDGVLRLQIANP.PLQLANRLASRLKVM SQMDISEKRVPPQDGRIKLKLSK.SKAIDFRV	275
NTDB id 1058 ABD1 RS01615 WP 001274986.1	IRMGASDLHFEPYEKSYRVRYRVDGVLRLQIANP.PLQLANRLASRLKVM SQMDISEKRVPPQDGRIKLKLSK.SKAIDFRV	275
NTDB id 1018 ACIAD RS01685 WP 004920473.1	IRMSASDLHFEPYEKSYRVRYRVDGVLRLIATP.PLQLATRLASRLKVM SQMDISEKRVPPQDGRIKLKMSK.SKIDFRV	275
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NTDB id 1410 SGL RS13950 WP 010873519.1	NTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEVNINTA	402
NTDB id 1028 TT RS08215 WP 011173991.1	STLPTVYGEKAVMRLLKKASDIPEIEDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNTQTI	675
NTDB id 1168 A1552VC RS11070 WP 000957200.1	STLPTLWGEKIVLRLLDSSAANLDDIDKLGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTA	351
NTDB id 1293 VP RS12240 WP 005479695.1	STLPTLWGEKIVLRLLDSSASLDDIDKLGYSSEQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTA	351
NTDB id 1401 DSB67 RS12665 WP 010643259.1	STLPTLWGEKIVLRLLDSSAALDINKLGYSSEQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTA	351
NTDB id 1110 NGFG RS09235 WP 003689817.1	STLPTLWGEKIVLRLLDSSAALDINKLGYSSEQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTA	351
NTDB id 1251 GC085 RS07725 WP 011946523.1	STLPTLWGEKIVLRLLDSSAALDINKLGYSSEQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLNILNTESVNISTA	342
NTDB id 275974 C6N18 RS02500 WP 001274987.1	STLPTLWGEKIVLRLLDSSAALDINKLGYSSEQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLNILNTESVNISTA	360
NTDB id 1058 ABD1 RS01615 WP 001274986.1	NSLPTLWGEKIVLRLDPSAAMLGIDALGYEEDQKALFMEALDKPQGMILLITGPTGSGKTVSLYTGLNILNTESSNISTA	355
NTDB id 1018 ACIAD RS01685 WP 004920473.1	NSLPTLWGEKIVLRLDPSAAMLGIDALGYEEDQKALFMEALDKPQGMILLITGPTGSGKTVSLYTGLNILNTESSNISTA	355
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
NTDB id 1401 DSB67 RS12665 WP 010643259.1
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NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 275974 C6N18 RS02500 WP 001274987.1
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
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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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 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
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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
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 275974 C6N18 RS02500 WP 001274987.1	.....	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