

logo

		MSXLSIGDRRLGAALLDQGYLDNBLQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028	TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1306	DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNLDLQRALERHSEVGGRLADVLLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
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 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 405584	GNH96 RS08010 WP 169603199.1		0
NTDB id 1251	GC085 RS07725 WP 011946523.1		0
consensus			

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		SLTPAEKAKELRAIPFALDEEAGVVRVAFNLPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLEIVVPSGA	
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028	TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLEIVVPSGA	158
NTDB id 1306	DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPPFALE..GDRRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA	157
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 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 405584	GNH96 RS08010 WP 169603199.1		0
NTDB id 1251	GC085 RS07725 WP 011946523.1		0
consensus			

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		SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028	TT RS08215 WP 011173991.1	SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	237
NTDB id 1306	DR RS10060 WP 027479822.1	SDAGRTGGKLGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEQEGTTFLPNPSGFGHPGEEVL	237
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 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 405584	GNH96 RS08010 WP 169603199.1		0
NTDB id 1251	GC085 RS07725 WP 011946523.1		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	GSMLRADALRLLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLLGEQLVQEGTLSR	317
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 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 405584 GNH96 RS08010 WP 169603199.1		0
NTDB id 1251 GC085 RS07725 WP 011946523.1		0
consensus		

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NTDB id 1410 SGL RS13950 WP 010873519.1	SSSSKKSRVALRNYFSPFGNKLIVAGCHVDAEQLRQALVQVVKTCGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLY	83
NTDB id 1028 TT RS08215 WP 011173991.1	EALKEALEVQKGLPRAKPLGETLVELGLIARPEDVEEALQKQRRGGGRIEDTLV..QSGKLRPEALAAQA.....VATQL	388
NTDB id 1306 DR RS10060 WP 027479822.1	DQLREALQVQAREGKVKPLGDEVITELGFASPDVEVDSALQKQNVGGGRLEDTLV..QSGKLSPEMLARS.....LAAQL	388
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVAILRQAEILISATQEAVVTQVSASGTSVPEALL..ELSFHAQELTEQ.....LSHIF	57
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALL..SSGFFTSSSELAEH.....LSSIF	57
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALL..SSGFFQSHELTEH.....LSSVF	57
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLLLRILVQNQVVTVEQAQEHYYNESQ.AGKEVLPMLF..SDGVIISPKSLAAL.....IARVF	56
NTDB id 1058 ABD1 RS01615 WP 001274986.1	MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKKRAKQDTVAYLT..EEVHLSPSLLAET.....ISAEF	65
NTDB id 1018 ACIAD RS01685 WP 004920473.1	MSAFTTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLI..DNFSISPLTIAEI.....ISLEF	65
NTDB id 405584 GNH96 RS08010 WP 169603199.1	MAAVPGVQQLSGLAKSLVKAEMLSEADAQAYFEDARRKKTFFVSYLV..SNKILDSLKIATQV.....AHQEF	65
NTDB id 1251 GC085 RS07725 WP 011946523.1	MALATEEYRLQGITQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIV..KNKILSAEQIALT.....AAQNF	65
consensus	* * * * *	

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NTDB id 1410 SGL RS13950 WP 010873519.1	GVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGF..ELRRL	161
NTDB id 1028 TT RS08215 WP 011173991.1	GYFYVDPEEDPPD....PGAPLLLPEDLCRRYGVFPHRLEG...NRLVLMLMKDPRNIALALDDVRLALKRKGLNYEVAPA	460
NTDB id 1306 DR RS10060 WP 027479822.1	GYEFLDPIQNPPD....PKVALMIPAEATARRVVVVPVRLQG...NSLVVAMKDPRNVFALDDLKLIITG....KEILPA	455
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GLPETDLRSYDYA....NLCQQLGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAEFEFRFATG....LQVELA	124
NTDB id 1293 VP RS12240 WP 005479695.1	GLSQPELSQYEYA....SLCQQLGLRELITRHNALPLHRT...STLLLAVADPTNQQAEDDFRFATG....LQVELV	124
NTDB id 1401 DSB67 RS12665 WP 010643259.1	GLSCTSLNQYEYA....SLCQTGLRLDLITRHNALPLNRTS...STLILAVADPTNLQAEDDFRFATG....LQVELV	124
NTDB id 1110 NGFG RS09235 WP 003689817.1	SYSILDLRHYPRH....RVLMGVLTEEQMVVEFHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVSAAG....IAVELV	123
NTDB id 1058 ABD1 RS01615 WP 001274986.1	AEPYFDLDVYDTS....QIPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFNSK....LLVEPV	132
NTDB id 1018 ACIAD RS01685 WP 004920473.1	GEPLLDLGVFDPA....LFLKDKIDEKLIQKYRIMPLVHRG...HVLVYVATSNPTNIEAMDAIRFNSK....LKVEPI	132
NTDB id 405584 GNH96 RS08010 WP 169603199.1	GLPLLDLDAFAFE....IPTQWVSEKLIRHHHILPLMRRG...NHLFVAVSDPTNFLGLDEITFQTR....LVTDCI	132
NTDB id 1251 GC085 RS07725 WP 011946523.1	GVPMLDINCIDVG....TIPVNLVNEKLIKRRHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG....LNTHAI	132
consensus	*** ** *	

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NTDB id 1410	SGL RS13950 WP 010873519.1	VVTQDDFNQLLEQYIAIREEWAAQEKRDQERALDKLNDLTDIVGSIDMNIIGEDKEDVDNALDSNDANQAPVINLVNKKIL	241
NTDB id 1028	TT RS08215 WP 011173991.1	VATEAAITTKLIERFYGKAELSEIA.....KEF.....AKKQ.AEEEV..PSPLELDESAAQKFVKQVI	515
NTDB id 1306	DR RS10060 WP 027479822.1	VMAEKDIIRLIERYFGEKGFEKLN.....KEL.....AERN.KTQSQEADLSVADESATVQVDSII	512
NTDB id 1168	A1552VC RS11070 WP 000957200.1	LADHRALQAAIRRLYGRSIIQGAANQGKEISQDEL.....ANLVKVS...DDELQSIEDLSQDDSPVSRFINQVL	190
NTDB id 1293	VP RS12240 WP 005479695.1	LADFRELSTAIRRLYGRSLSHEKSGLKEINQEEL.....ASLVDVG...ADEIDNIEDLSQDESPVSRFINQIL	190
NTDB id 1401	DSB67 RS12665 WP 010643259.1	LADFRELTAAIRRLYGRSLGQEKSGLKEINQDEL.....AGLVDIG...EDEIENIEDLSQDESPVSRFINQIL	190
NTDB id 1110	NGFG RS09235 WP 003689817.1	IVEDDQLAGLLDWVGSRSST.SLLQELGEGQEEEE.....SHT.....LYIDNEEAEDGPPVPRFIHKTL	180
NTDB id 1058	ABD1 RS01615 WP 001274986.1	IVEHHKLEKVLGQHFAEESSFDNFN.....DEEF.....DLDVNLDG.PTAQEDEEEAPQGDEAPIVKYINKLL	194
NTDB id 1018	ACIAD RS01685 WP 004920473.1	IVEHDKLERLISEHFVEETHFNFD.....TEEL.....DLDVEVDP.HTTDDDDDEDKCLKDEAPIVKYINKLL	194
NTDB id 405584	GNH96 RS08010 WP 169603199.1	LVEEDKLSRCIEAVLDAADTSL.KQLLE..EDLD.....SLQITAGD.DDGPHADPEISGIDDAPIVRFVNRLL	197
NTDB id 1251	GC085 RS07725 WP 011946523.1	VVETDKLSALIDNLLTAKESQGLSEYVEDSGDLE.....GLEISAD..DEDQDIDTATSVTDAPIVKFVNKIL	199
consensus		*** * *** ** *	

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NTDB id 1410	SGL RS13950 WP 010873519.1	AKALQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMEDIAERRSPQDGKIRRIYQ..GRKVD	319
NTDB id 1028	TT RS08215 WP 011173991.1	REAFLLQDASDIHIEPRQNDVQVRLRIDGALRPYST.LPKGALNAVISVVKIMGGNLIAEKRLPQDGRVRY..REGAIDVD	592
NTDB id 1306	DR RS10060 WP 027479822.1	REAAALQDASDIHIETTEDAVKVRVYRIDGALREQNS.FPKGAAQQIMARLKIMGHLDIAERRVPQDGRVRF..KKGSIDLD	589
NTDB id 1168	A1552VC RS11070 WP 000957200.1	LDAVRKQASDIHFEPYENQYRIRLRCGILVETQQ.PASHLSRRLAARIKILSKLDIAERRLPQDGRIKRLRS.DTAID	268
NTDB id 1293	VP RS12240 WP 005479695.1	LDAVRKQASDIHFEPYEKMYRVRLRCGILIIETQQ.PPNHLSRRLSARIKILSKLDIAERRLPQDGRIKRLNQ.DTAID	268
NTDB id 1401	DSB67 RS12665 WP 010643259.1	LDAVRKQASDIHFEPYENMYRVRLRCGILIIETQQ.PPSHLSRRLSARIKILSKLDIAERRLPQDGRIKRLNQ.DTAID	268
NTDB id 1110	NGFG RS09235 WP 003689817.1	SDALRSGASDIHFEPYEHNARIRFRVDGQLREVVV.PPIAVRGQLASRIKVMRDLISEKRIPQDGRMQLTFQKGGKFPVD	259
NTDB id 1058	ABD1 RS01615 WP 001274986.1	IDAIRMGASDLHFEPYEKSYRVRYRVDGVLRLQIAN.PPLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLKLSK.SKAID	272
NTDB id 1018	ACIAD RS01685 WP 004920473.1	IDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIAT.PPLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTID	272
NTDB id 405584	GNH96 RS08010 WP 169603199.1	LDAVRKQASDIHIEPYEKFLRIRFRHGDILHEVAN.PPAALGVKICARIKVMRMDIAEHRIIPQDGRIKMTLSR.SRAID	275
NTDB id 1251	GC085 RS07725 WP 011946523.1	LDAIRQASDIHFEPYEREYRIRYRQDGILHEVAT.PPASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAID	277
consensus		***!*** **!*!*!*!*!* **!*!*! !*!*! ** * ** * ** **!*!* **!*!*!*!*!*!*!*!*!*!* ** *	

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NTDB id 1410	SGL RS13950 WP 010873519.1	FRVNTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNNSPEVNI	399
NTDB id 1028	TT RS08215 WP 011173991.1	LRLSTLPTVYGEKAVMRLLKKAASDIPEIEDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNT	672
NTDB id 1306	DR RS10060 WP 027479822.1	LRLSTLPTVYGEKAVMRLLQKASNIPELEQLGFSEYNYARYTEIIERPNIGIFLVTGPTGSGKSFTCFSTLKRITAKPEKNT	669
NTDB id 1168	A1552VC RS11070 WP 000957200.1	MRVSTLPTLWGEKIVLRLLDSSAANLIDKLGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINI	348
NTDB id 1293	VP RS12240 WP 005479695.1	MRVSTLPTLFGKIVLRLLDSSASLDIDKLGYSQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINI	348
NTDB id 1401	DSB67 RS12665 WP 010643259.1	MRVSTLPTLFGKIVLRLLDSSAALDINKLGYSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINI	348
NTDB id 1110	NGFG RS09235 WP 003689817.1	FRVSTLPTLFGKIVMRILNSDAASLNIQDLGFEPFQKKLLLEATHRPYGMVLVTGPTGSGKTVSLYTCLNINLTESVNI	339
NTDB id 1058	ABD1 RS01615 WP 001274986.1	FRVNSLPTLFGKIVLRLIDPSSAMLGIDALGYEEDQKALFMEALDKPQGMILLITGPTGSGKTVSLYTGLNINLTESVNI	352
NTDB id 1018	ACIAD RS01685 WP 004920473.1	FRVNSLPTLFGKIVLRLIDPASAMLGIDALGYEPEQKALFMEALNKPPQGMILLITGPTGSGKTVSLYTGLNINLTESVNI	352
NTDB id 405584	GNH96 RS08010 WP 169603199.1	FRVNTCTPLFGKIVLRLIDPGSAQIGVEMLGFEPQRDNFLRALEKPYGMILVTGPTGSGKTVTLTYTGLNILNRVEANI	355
NTDB id 1251	GC085 RS07725 WP 011946523.1	FRVSTCPTSAAGEKVVMRVLDSGAAKLGIEALGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLTYTGLNINLTIEVNI	357
consensus		*!*****!*****!*****!***** ** * ** * !* * * ** ***** *!*****!*****!*****!***** **!*	

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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 405584 GNH96 RS08010 WP 169603199.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
consensus

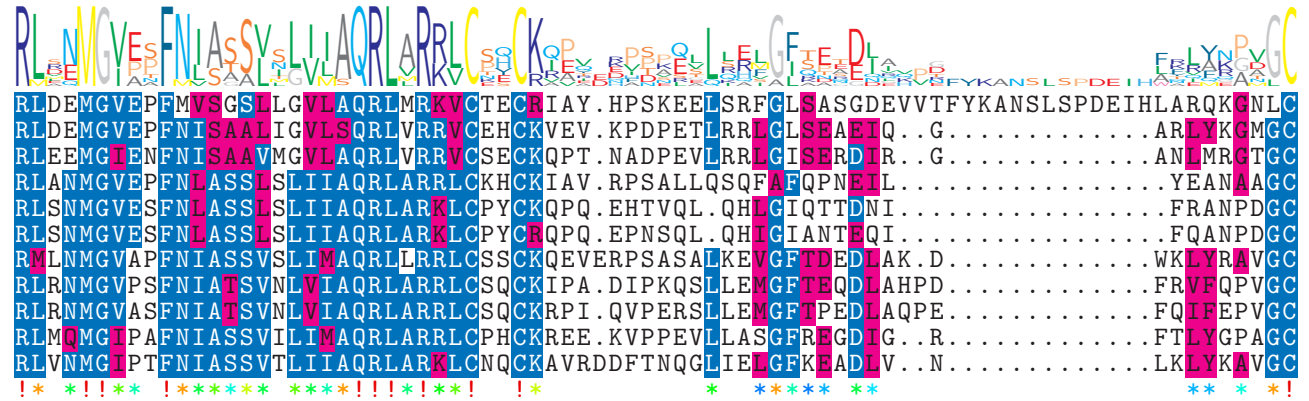
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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 405584 GNH96 RS08010 WP 169603199.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
consensus

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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1306 DR RS10060 WP 027479822.1
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
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NTDB id 405584 GNH96 RS08010 WP 169603199.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
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 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 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
NTDB id 405584 GNH96 RS08010 WP 169603199.1	.....	571
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved