

Supplementary Materials

Figure S1. Nucleotide and amino acid sequences of mouse ECSCR isoform-1 precursor. The start codon ATG and the stop codon TAA are underlined.

atgcttcgagacatttctctggaagcccacgggctgggggtcaacactgacaccccttctt
M L R D I S L E A H G L G S T L T P L L

gcccataactcccacaggggagagtcagaggctacagctctcaacctacgacaactcag
A H Q L P Q G R V R G Y S S Q P T T T Q

acctcgcaggaaattctacagaagtcttctcaggtctccttggtatccaatcagcctgtg
T S Q E I L Q K S S Q V S L V S N Q P V

acaccaaggtcaagcaccatggataaacagtccttttccttgacctgacttgatgtccttc
T P R S S T M D K Q S L S L P D L M S F

cagccacagaagcacacactgggacctggcacaggaaccccagaaaggagcagcagcagc
Q P Q K H T L G P G T G T P E R S S S S

agc
S S S S S S R R G E A S L D A T P S P E

accaccagccttcagacaaaaaagatgaccatcctgctgaccatcctgcctacccccaca
T T S L Q T K K M T I L L T I L P T P T

tcagagtcagtgctaactgtggctgccttttggtgtcatcagcttcattgtcatcctgggtg
S E S V L T V A A F G V I S F I V I L V

gttgtagtgatcatcctgggtcagtggtggtcagtcctaagatttaagtgtcggaagaacaag
V V V I I L V S V V S L R F K C R K N K

gagtcctgaagatccacagaaaccagggagttcagggctgtctgaaagctgctccacagcc
E S E D P Q K P G S S G L S E S C S T A

aatggagagaaagacagcatcacactcatctccatgaggaacatcaacgtgaacaacagc
N G E K D S I T L I S M R N I N V N N S

aaaggcagcatgtcagcagagaagattctttaa
K G S M S A E K I L -

atggacagagaatacacactgaggagcctgctacacaccagctgatctggggaccagcgga
M D R E Y T E E P A T H P A D L G T S G

gccatgaggctgggttcagcaattctcggtttactcctgctccaaggctacagctctcaa
A M R L G S A I L G L L L L Q G Y S S Q

cctacgacaactcagacctcgaggaattctacagaagtcttctcaggtctccttggtta
P T T T Q T S Q E I L Q K S S Q V S L V

tccaatcagcctgtgacaccaagggtcaagcaccatggataaacagtcctttccttgctt
S N Q P V T P R S S T M D K Q S L S L P

gacttgatgtccttccagccacagaagcacacactgggacctgggcacaggaaccccagaa
D L M S F Q P Q K H T L G P G T G T P E

aggagcagcagcagcagcagcagcagcagcagcaggagaggagaagcatctctggatgct
R S S S S S S S S S S R R G E A S L D A

actcccagtcagaaaaccaccagccttcagacaaaaaatgaccatcctgctgaccatc
T P S P E T T S L Q T K K M T I L L T I

ctgcctacccccacatcagagtcagtgctaactgtggctgccttttggtgtcatcagcttc
L P T P T S E S V L T V A A F G V I S F

attgtcatcctggtgggttagtgatcatcctgggtcagtggtgagtcagtcataagatttaa
I V I L V V V V I I L V S V V S L R F K

tgtcggagaagaagaaggagctctgaagatccacagaaaccagggagttcagggctgtctgaa
C R K N K E S E D P Q K P G S S G L S E

agctgctccacagccaatggagagaaaagacagcatcacactcatctccatgaggaacatc
S C S T A N G E K D S I T L I S M R N I

aacgtgaacaacagcaaaaggcagcatgtcagcagagaagattcttta
N V N N S K G S M S A E K I L -

Figure S3. Comparison of nucleotide sequences of the two mouse ECSCR isoform precursors. Identical nucleotides are indicated by asterisks. The start codon ATG and the stop codon TAA are underlined.

Isoform-1	<u>ATG</u> CTTCGAGA---CATT-----TCT-CTGGAAGCCCA--CGGGCTGGGG-TCAACA--	45
Isoform-2	<u>ATG</u> GACAGAGAATACACTGAGGAGCCTGCTACACACCCAGCTGATCTGGGGACCAGCGGA	60
	*** **** ** *	
Isoform-1	-----CTGA---CACCCCTTCTTGCCCATCAACTCCCACAGGGGAGAGTCAGAGGC	93
Isoform-2	GCCATGAGGCTGGGTTCAGCAATTCTCG---GTTTACTCCTGC-----TCCAAGGC	108
	*** ** * ***** *	
Isoform-1	TACAGCTCTCAACCTACGACAACCTCAGACCTCGCAGGAAATTCTACAGAAGTCTTCTCAG	153
Isoform-2	TACAGCTCTCAACCTACGACAACCTCAGACCTCGCAGGAAATTCTACAGAAGTCTTCTCAG	168

Isoform-1	GTCTCCTTGGTATCCAATCAGCCTGTGACACCAAGGTCAAGCACCATGGATAAACAGTCC	213
Isoform-2	GTCTCCTTGGTATCCAATCAGCCTGTGACACCAAGGTCAAGCACCATGGATAAACAGTCC	228

Isoform-1	CTTTCCTTGCCTGACTTGATGTCTTCCAGCCACAGAAGCACACACTGGGACCTGGCACA	273
Isoform-2	CTTTCCTTGCCTGACTTGATGTCTTCCAGCCACAGAAGCACACACTGGGACCTGGCACA	288

Isoform-1	GGAACCCAGAAAGGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGGAGAGGAGAAGCA	333
Isoform-2	GGAACCCAGAAAGGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGGAGAGGAGAAGCA	348

Isoform-1	TCTCTGGATGCTACTCCCAGTCCAGAAACCACCAGCCTTCAGACAAAAAAGATGACCATC	393
Isoform-2	TCTCTGGATGCTACTCCCAGTCCAGAAACCACCAGCCTTCAGACAAAAAAGATGACCATC	408

Isoform-1	CTGCTGACCATCCTGCCTACCCCCACATCAGAGTCAGTGCTAACTGTGGCTGCCTTTGGT	453
Isoform-2	CTGCTGACCATCCTGCCTACCCCCACATCAGAGTCAGTGCTAACTGTGGCTGCCTTTGGT	468

Isoform-1	GTCATCAGCTTCATTGTTCATCCTGGTGGTTGTAGTGATCATCCTGGTCAGTGTGGTCAGT	513
Isoform-2	GTCATCAGCTTCATTGTTCATCCTGGTGGTTGTAGTGATCATCCTGGTCAGTGTGGTCAGT	528

Isoform-1	CTAAGATTTAAGTGTCGGAAGAACAAGGAGTCTGAAGATCCACAGAAACCAGGGAGTTCA	573
Isoform-2	CTAAGATTTAAGTGTCGGAAGAACAAGGAGTCTGAAGATCCACAGAAACCAGGGAGTTCA	588

Isoform-1	GGGCTGTCTGAAAGCTGCTCCACAGCCAATGGAGAGAAAGACAGCATCACACTCATCTCC	633
Isoform-2	GGGCTGTCTGAAAGCTGCTCCACAGCCAATGGAGAGAAAGACAGCATCACACTCATCTCC	648

Isoform-1	ATGAGGAACATCAACGTGAACAACAGCAAAGGCAGCATGTCAGCAGAGAAGATTCTTTAA	693
Isoform-2	ATGAGGAACATCAACGTGAACAACAGCAAAGGCAGCATGTCAGCAGAGAAGATTCTTTAA	708

Figure S4. Updated sequences of mouse ECSCR gene. The 9257 bp genomic sequences are based on *Mus musculus* 181000113601716 genomic scaffold, whole genome shotgun sequence (GenBank accession number CH466557.1) (available via www.ncbi.nlm.nih.gov/nucleotide/70979735?from=19601084&to=19610340&report=gbwithparts) incorporated with our new data presented here. The mRNA of ECSCR is complement of the sequences by joining 1..346 (Exon 10), 553..649 (Exon 9), 2091..2127 (Exon 8), 2348..2446 (Exon 7), 2878..3000 (Exon 6), 3678..3737 (Exon 5), 4078..4215 (Exon 4), 5273..5311 (Exon 3), 8223..8393 (Exon 2), 9146..9257 (Exon 1). All ten exons are highlighted. The start codon ATG (complement of CAT) in Exon 1 (for splicing variant 2), the start codon ATG (complement of CAT) in Exon 2 (for splicing variant 1), and the stop codon TAA (complement of TTA) in Exon 10 (for splicing variants 1 and 2) are underlined and shown in bold.

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1  caggccagaa aataatttta attctagtag aatggacaat ctacctcatt atttccttaa
61  gtcttgctct attgactcct cgttcctgag tttctgagca gcaggaggag ggggagcagg
121 ccaagtgtct agcatggcct ccaagtggga aggagtctct tgtgtggtag gttcttcttg
181 atctagagga atctcatgtc ctttagaact gggagcaggc atgacatcaa ataatttatg
241 tgtggtccgc tgcctccccc aatctcgtct cctctccttc ctcatggcca ggggacagcc
301 gcatcacacg tggacccatg gcgactccag gtcactcTTA aagaatctga aatgcatatg
361 tacaatgagg aagggagaaac ctgggagggg ccaggtaaga gagcagggga ggaagagcct
421 gggctctgcag ccgtgacctt agcctttctg gctaaggaaac cagagcctga aaataggact
481 gaggggtggg ggtggggggg gaggtgagga gtggagtggtg tgactgggga ggaagaaca
541 tgtgagatgc accttctctg ctgacatgct gcctttgctg ttgttcacgt tgatgttcct
601 catggagatg agtgtgatgc tgtctttctc tccattgggt gtggagcagc tgggatggga
661 aggagccagg gttagagaga agaagggatg gaggaccagg gagtaaaggg gccacggagc
721 actgggcctt cagtcctcat gccagaaaac tctactttgg gatggataat aagaaaatta
781 gaatgtgggc tggtgagatg gctcagcggg taagagcact gactgttctt ccaaaggctc
841 tgagttcaaa tcccagcaac cacatggtgg ctcaacta tcggaatga aatataagga
901 cctcttctgg agtgtctgaa gacagctaca gtatacttac atataacaat aaataaatct
961 ttgggccaga gggagcagag gtactgggtt caattcccag caacctcatg atggcttaca
1021 accatctgta cagctacagt gtacttatat acataaaaga taaataaatc ttaaaaaaaa
1081 aaagaaagaa agaaaatgag aatgtggtct gaaaccacg agacttgtgt ttaaacctca
1141 tttatttctg ttctttttca agctagggtg gtgctttaca accataagcc cagccaggct
1201 gctggtgtac acgtgtaagc ctagcacttg gtaggtaaga ggtaggaaga taggggattc
1261 agggctatcc tcagctatat aatgagttca aagccagccc aggctctttc tcaacagagc
1321 aaaacaagga ggaagaggag gaggaggagg aggaggaaga ggaggaggag aaacctgttt
1381 ttcctatctt ctagtgtttg atcttgacca agttacaact tgtcctgctc caggttccca
1441 agcatgcttc atgtttcaaa gaagagggaa aaaaatgctg taaagatttt cagtaagaaa
1501 acaaacaaac aaaaaacaaa caaacaaaag attttcagta agatcacaat ttgtatgttg
1561 ttgtgtatgg tatataatag ctttctggtt tggtttttca agacagggtt tctctgtgta
1621 gccctggctg tcctggagct cactctgtag atcagactga ccttgaactc agagatccga
1681 ctgcctctgc ctcccaagtg ctgggattaa aagcatacat caccacaata cctgccttca
1741 gagtaggttt tcaacaagtt tcttcagctt agagaggata tatcttatat cggaatctgt
1801 attttcatga agaggccaca ggagctgagc cctggtgctg aagacctca cttgtctctg
1861 ctgagcctgg cagcctgctt cagtgcgacg tgcagaattg tggggcatat gtcttcaagt
1921 ggtatgaatg ggtatggtat gtggtgggaa gcagaagtgt gtgtgtgtgt gtgtgtgtgt
1981 gtgtgtgtgt gtgtgtgtgt gtgtgtgtac agaaggcaga gagaattgtt ttcctcttgg
2041 ggtaaaggga tttggaatca catttctctc gtgagtttct aaaatcttac ctttcagaca
2101 gccctgaact ccctggtttc tgtggat
[gap 61 bp] Expand Ns
2189 tg tccagcttct cctcagagcc caccgaagct
2221 cacctcccca actcatcaaa tgctgcttct gtgtcattcc ctccctcggc ccagttgcca
2281 tcagcctgag ccccgcctca ggctcctgaa gcacaagggt caaagcagcc caggtcaaga

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Figure 4. Cont.

2341	caattac	cctt	cagactc	cctt	gttctt	ccga	cacttaa	atc	ttagact	gac	cacactg	acc
2401	aggatg	atca	ctaca	aaccac	caggatg	gaca	atgaag	ctga	tgaca	cctga	gcaggga	aga
2461	gatggga	aaca	ggagga	aagag	gtgga	aacaat	aaggatg	agat	ctggag	ttcc	ctggcac	agg
2521	taagtgc	cctg	tgtgtg	tgcg	catgc	atgtg	tgcac	gtg	tatgt	tgtg	tgtgtt	tgtg
2581	tgtgtt	cgtg	tgcac	actat	atattt	tgctc	tgagag	tga	gtagat	tctg	cttctc	ttgg
2641	aaacatg	agat	aatct	attag	ctggtt	ccct	taacta	aatgt	ggacc	actta	gccag	ctac
2701	atcatcc	ata	gcaac	atgga	gcca	aagaaa	gccaaa	aacc	ttgc	attatg	gcctt	gctta
2761	tcagca	agtc	catccc	agaa	tgaat	gggtg	agattt	tgaac	ttgc	atctta	accag	agtct
2821	aagtca	aatcc	tgaggt	ggag	cccc	ctca	tgcccc	atcc	ccactg	ccat	ctctc	accaa
2881	aggcag	ccac	agttag	cact	gactct	gatg	tggggg	tagg	caggat	gggc	agcagg	atgg
2941	tcactc	ttttt	tgtctg	aagg	ctgggt	ggttt	ctggact	ggg	agtag	catcc	agagat	gcctt
3001	ctgaa	ataga	gtgggt	ggtt	gtgc	atcagt	gaagg	gcact	gctga	gacct	ggcaa	agaga
3061	atcagc	ttct	tctgat	tg	tctga	aggatga	gagttt	gcac	agagc	taaca	gctca	agaa
3121	aaagact	cac	tctgg	acaca	acca	aacc	cccc	tgaag	accga	ggatg	cagat	ctcac
3181	tacatg	agta	actcg	gccag	ttgct	cacat	tactg	ttttc	agaga	actct	agaa	aggtta
3241	aaatg	cctcc	catcccc	acg	tggta	accag	aagaa	aggat	ttatg	ctgca	aaaac	aggga
3301	aaccata	actg	ggcaa	agcag	agcc	atctgt	gctat	gccaa	cagtt	tgaaga	tggg	aggaaa
3361	gaagac	attg	gcctaa	aggg	ccagg	gtgcc	aggca	aggga	catag	gtttc	tggcc	ctctt
3421	aaaatg	atgt	tggg	ctagct	aaatg	gctca	acagg	taaa	gtgct	tgcaa	ccaa	agctgg
3481	tagcct	aagt	tcaat	cccta	tgacct	acat	ggtt	gaagg	gagg	accaat	gtcac	atttt
3541	tcttcc	cttg	caca	agtcaa	gtacc	ctccg	gcct	attttc	tacc	atttt	cctt	atttgt
3601	atgagt	gtac	aatgt	ccaag	aaccaa	aaga	ggattt	aaaa	gaaag	gggta	tagact	gaga
3661	acacac	actg	aacata	cctc	ctctc	ctgct	gctgct	gctg	ctgct	gctgc	tgctg	ctcct
3721	ttctg	ggggtt	cctgtg	cctg	cacc	agaaac	aaatg	gccaa	gatg	gaggat	ccc	atctctc
3781	ccaac	atact	ctgaga	aggg	tctag	ccctt	tctca	aacc	tcc	atttcc	ctc	ctccatc
3841	tgttct	ttttc	tcatt	cccc	tcagg	agtgt	ttaac	ccttta	ctgtg	accag	atcca	actct
3901	gtttct	actt	cttccc	agtg	ctttc	ttgta	attt	cccaa	ccagg	gtacc	actga	tgtag
3961	tttct	tagact	taaga	gcctc	cactc	ccaca	ctgag	ggcac	ccc	actaa	gagta	aaaca
4021	cctat	ccagg	catat	ctagg	gccc	atcacc	tctg	cccac	ctg	ccctgga	tact	caccag
4081	gtccc	agtgt	gtgctt	ctgt	ggctg	gaagg	acat	caagt	agg	caaggaa	agg	actggt
4141	tatcc	atggg	gcttg	acctt	gggtg	tcacag	gctg	attgga	tacca	aggag	acctg	agaag
4201	acttct	gtag	aattt	ctgtg	gatag	gcaag	tacat	gtgac	cagct	cagag	tgtc	agctat
4261	aatat	gcaca	gagag	tccaa	aata	ctttt	ctttt	ctagt	ctttt	cttgt	gtgtg	gtgct
4321	agtga	ttaa	cgcag	gatgt	cttt	catact	ggg	caagcac	tgtg	ccccag	agct	acagcc
4381	acagc	cctcc	tttgt	caacg	cctt	caattc	ctgg	aggacc	tgtt	ctctgg	ctc	gcccctg
4441	agatt	gggaa	ggct	tttccc	tcc	ctccacc	ccac	agtctc	ccct	tgttca	tct	actcct
4501	ttgct	ggctc	gggt	ctctgg	gctgt	tctca	gtt	cccatag	gaag	ggcccc	agag	atgacg
4561	tctga	agagg	ctgac	atcca	gatg	ggccca	gtgac	acttg	ttc	ctgctcc	ctt	gctctgg
4621	aatc	accagt	gtgag	gcct	gttt	gcctgt	ccct	tctgcc	acag	gctctg	cat	cctcctg
4681	cagag	cccaa	actgc	gtctt	gctc	ctccg	ggc	ctttgca	ggc	actatc	agc	agtctca
4741	gcagc	tgagt	acct	agggt	acagt	gctga	gcca	aagccc	cggg	ccgcca	ggct	ctgagg
4801	aagat	ctgtc	ttctg	caagg	acag	agcaga	aggg	gaaagc	aaat	gggggac	ccc	aggatca
4861	agtag	gtctg	aatg	gctggg	ggtg	agcatg	ggag	ggtaga	ggtg	accttc	tctg	cagccg
4921	cacc	cattca	cta	agctgag	agaa	actagc	tggg	gggtc	ggct	cctgaa	aag	ccctaaa
4981	acac	atcact	tgag	gggtct	gct	actctac	cct	ccagccg	ttct	gtgccc	ttct	ctttgt
5041	ctctg	aagggt	agatt	tgtgtt	ttt	gtttgtt	tg	ttttcctc	ccct	cctcta	cct	ctgacta
5101	gttat	ctctt	ccct	cttcca	ggc	atgttag	gtg	aggccag	ttg	agtgagc	ctc	agagact
5161	tggcc	caagc	tct	ctcacc	tgct	ttcagt	gaaa	aagaga	gacc	cagcc	ccct	cctcca
5221	atac	cttcc	aaact	cttag	gcac	agatgc	tgg	agtaggc	ccca	aatctt	ac	cctg
5281	gtctg	agttg	tcgt	aggtt	agag	ctgtag	cctg	tgaag	aaa	acaaaag	tac	acagact
5341	atga	aggggc	atgg	tggcac	acat	ctttta	tccc	agaact	cagg	aggcag	aag	taggcag
5401	atct	cttttga	att	caaggcc	atc	ctggtct	atag	agttag	ttcc	aggaca	gcc	aggacta
5461	catag	agaga	ccct	gtctca	aaac	aaaaca	aaac	aagaca	aaac	aaaaca	aaac	aaaaca
5521	aaac	aaaaca	aaac	aaaaca	aaac	aaagac	agatt	gtttt	ggta	actgct	gag	tagagcc
5581	catg	agagaa	act	aggtttt	ttt	ggctgtc	taa	actgtcc	ata	ctagaag	gc	agacacac

Figure 4. Cont.

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5641 ttggcagggga attacaggat aagggccttgt caccatcacc tctcagttca gagtcctaga
5701 gtctttctact gtgtctttcag tccttaatatg ttatcttagc accctgacac aagtctaggg
5761 gacagttatt caaactagtg acacatctga ccaaacacac agaactctgg gtctctgggt
5821 ctatgcacta ctgggtccact tgttttcctcc tgtgaaaact gtcatttttg ctgcaatcta
5881 aaggaagggg agaggaaggt aaatgaaatt gggtagagtt tggggctcgc attgctttgt
5941 gcctgctttc acattctctc tccctctccc tctccctctc cctctccctc ttcctcctc
[ gap 459 bp]      Expand Ns
6459                                     cc ttccccactc cctccctaa
6481 ccagaggtaa tgccctgcct tggaaacaag ttctgaggtg tgtccaacag gagaggaagt
6541 gctgaaagga gtgacaggtt taagttaaaa agtgggtgtc tagtctaacc ccaggagagag
6601 gaggtcactg gcagccactt ttggagctct tgttagctat tctgtttgtt cacatgtgtg
6661 tttgtagcct tggcatagat atgcaatgct tttatgtgtt gggggggggg ggggaggctg
6721 gaaggtcagg ttatgtttgc tcactttcca caatgaaatc attcttgaac cctatgaaca
6781 atgtgaaagg aaaacaggga aacggaaccg cccatctgga gctgctccct ccacacaggc
6841 tggaactgag gtggccgctc ttttcttcat tagtgacgca tcagaccag gccctgaag
6901 gactgaggca gctgagttcc aggggcccaa cccaagcctg ggcaacctgc tggctgtgtt
6961 gttttcctta aggccttact gttcctccaa ggagtgatcc acactatcca cgtgaaggga
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7081 tttttccaag tcaagatctc tcacattcct gctcctttgt gggtagaggt tccacaaaga
7141 ggtaaatatt acaggaaccc caggctagga aaaaccctt ctagcatggg atgagcctgg
7201 gctaaccctt tgcattccaa acctctgaag acagttgctt cctgttaaag caccacatac
7261 attccatagt agttctggga ggacttgaag tctgagtgc cctctctaaa tgtatctaga
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7381 agctctctgc ctcttatctg actcctccca acttgccatc tctaaaaatt ctttgaagc
7441 agagggggga cttgaggaat atgttcttct gtaggctggg gcctctgacc caggggacat
7501 acagacaccc agaaagctgt ggccacaaga actcctaact ttgctgacct ctgcttcta
7561 atccctacct gcttcaactc tttccagtct aaccacgccc acgcccctgt tttcctcagc
7621 agcatagttt aggggtgaaa agcagcattg gggatgtagc tcagtgggtg agcacttact
7681 tagcatgtgt gagcttgggt gaggccctag gaccaatccc cagcacaaga gaaaaataa
7741 ataaataaat aaaaagtggg gaatttgagt tctggcttca ctacagcct gagctggacc
7801 tggcctctct ggaatgtgag actgaggtat aattctgcat aagtcccgtg ctggattctc
7861 agcatcacac cactgggggt ggggtggggg gagcctccga ggttgttgag gggaaaagaa
7921 aatacataca aagcccacag cccctgacac ttgctcaatc ggtgctagat gttgacattt
7981 ttgccccatt ctcttgattt ctccaaatct aaagactggc tgactctcca cagccagaac
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8161 acaaagtcta ggctggcatt aggaaggcct gcggaatccc tcataaatcc cccacactaa
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8581 accagccct gtgctgtgta tatatcctcc ttggtaaagt gttctttgtg tctaaccaga
8641 aaccctcttg atgtgatttg agattaaagt cagcatttga aattcaaagg ttgtaattct
8701 tcacaggtaa tggcagaaga gaaggtgagc cagaaagccc gaggtgcaga ccattttcgg
8761 ctagaacttt ccatagagtg accatagtg ctagtatcag agagtattga cagggcagcc
8821 acagatttct cctgctccta tactccttag aaagaacttt caggtctgtg catlcatcaa
8881 gccaacct cccacacttt ctaggggcca gactctatgg gggagctgta gaaaatatcc
8941 taacagcttt acagtctgtt taaccagggt ggtaattccc gtcctccagg ccagccatc
9001 ctttcatgg aaaggttctg gaatttccct tcttcgggca gagcgttgga tgggaacgtg
9061 ttgggggggg ggggagggca ggagggggaa ggagtgggga ggaggagggg aggccttgctg
9121 gagaaaaccg gcacgtgcat cttaccttgg agcaggagta aaccgagaat tgctgaacc

```

Figure 4. *Cont.*

```
9181 agcctcatgg ctccgctggg cccagatca gctgggtgtg tagcaggctc ctcagtgtat
9241 tctctgtcCA Tagtaga
```

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