

Table 2. Polymorphic loci of exons and adjacent intronic sequences of the carnitine acyltransferases genes in Siberian populations

Gene	Polymorphic loci	
	Exons	Adjacent introns
<i>CPT1A</i>	rs80356779 (P479L), rs2228502 (F417F), rs2229737 (E321E), rs2229738 (A275T)	rs146937052, rs11228340, rs2278908, rs545441003, rs22780907, rs531240052, rs574929166
<i>CPT1B</i>	rs470117 (E531K), rs8142477 (S427C), rs2269383 (G320D), rs17848457 (D268D), rs3213445 (I66V)	rs15195, rs7238, rs17848472, rs17848473, rs117635543, rs17848459, rs131758
<i>CPT1C</i>	rs763273578 (T740A)	rs1075453, rs115254624, rs892149, rs116967749, <u>rs11881828</u> , <u>rs72626236</u> , rs12462023, <u>rs72626237</u> , rs200917939
<i>CPT2</i>	rs2229291 (F352C), rs1799821 (V368I), rs1799822 (M647V)	
<i>CRAT</i>	rs17459086 (A603P), rs2228304 (S118S), новый (9: 131866581) (S99F)	rs2229419, <u>rs3780691</u>

Non-synonymous substitutions are shown in bold. Amino acid substitutions are given in parentheses. The linked polymorphic variants (in lines) are underlined. For the coupled variants at the loci rs470117, rs8142477 and rs3213445 of the *CPT1B* gene haplotypes CCC and TGT were identified; at the loci rs11881828, rs72626236 and rs72626237 of the *CPT1C* gene - haplotypes GAG and AGA; at the loci rs17459086 and rs3780691 of the *CRAT* gene - haplotypes GC and CT.