



**Figure S2.** Distribution of litter size of variety genotypes in different sheep breeds. (A) The litter size of c.684G>A in Gobi short tail sheep and Ujimqin sheep. (B) The litter size of c.687G>A in Gobi short tail sheep and Ujimqin sheep. (C) The litter size of c.1203A>C in Gobi short tail sheep and Ujimqin sheep. (D) The litter size of c.1560C>A in Gobi short tail sheep and Ujimqin sheep. (E) The litter size of g.30484046C>T in Gobi short tail sheep and Ujimqin sheep. (F) The litter size of g.30483701T>A in Gobi short tail sheep and Ujimqin sheep. (G) The litter size of g.30032124T>A in Gobi short tail sheep and Ujimqin sheep. (H) The litter size of Indel-3-bp in Gobi short tail sheep and Ujimqin sheep. (I) The litter size of Indel-3-bp in Gobi short tail sheep and Ujimqin sheep. GB: Gobi short tail sheep, UM: Ujimqin sheep, MG: Mongolia sheep. Indel-10-bp: g.30058882\_30058873GCAGATTAAAIIndel. Indel-3-bp: g.30483678\_30483676AGAIIndel. n.s.: Non-significant; \*:  $p < 0.05$ ; \*\*:  $p < 0.01$ .