

Table S7. Associations for the haplotype combinations (block 1) of *IGF1R* gene with body size traits in Hulun Buir sheep (mean \pm SE, n = 229)

Haplotype combination	Weaned body size (cm)			Body size of 9-month (cm)		
	WBH	WBL	WCG	NBH	NBL	NCG
H1H1 (71) TCTC	55.82 \pm 0.61	57.27 \pm 0.75	68.80 \pm 0.91	64.13 \pm 0.54	67.22 \pm 0.57^{ab}	83.15 \pm 0.92
H1H2 (92) TCCT	55.65 \pm 0.57	56.58 \pm 0.79	67.89 \pm 0.79	63.63 \pm 0.43	66.00 \pm 0.51^{ab}	82.71 \pm 0.79
H1H3 (22) TCCC	57.80 \pm 1.01	58.95 \pm 1.28	68.77 \pm 1.53	63.07 \pm 0.74	68.91 \pm 1.32^a	83.98 \pm 1.50
H2H2 (12) CTCT	56.77 \pm 1.07	58.36 \pm 1.30	69.61 \pm 1.36	63.63 \pm 0.85	67.50 \pm 0.99^{ab}	85.83 \pm 1.53
H2H3 (32) CTCC	55.33 \pm 1.43	56.13 \pm 1.42	66.63 \pm 1.54	63.25 \pm 1.47	65.04 \pm 1.39^b	81.29 \pm 2.48

WBH, WBL and WCG represent the body height, body length and chest girth measured at weaning respectively; NBH, NBL and NCG represent the body height, body length and chest girth measured at 9-month of age respectively. Different letter (small letters: $p < 0.05$; capital letters: $p < 0.01$) superscripts with boldface font in a column indicate significant differences among the different genotypes.