

Table S9. Associations for the haplotype combinations (block 2) 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
H4H4 (26) CGCG	53.90 \pm 1.10 ^B	54.21 \pm 2.13 ^B	66.35 \pm 1.48 ^{ab}	62.08 \pm 0.72 ^{BC}	65.04 \pm 0.90 ^C	80.73 \pm 1.40 ^B
H4H5 (84) CGTG	55.23 \pm 0.63 ^{AB}	56.60 \pm 0.71 ^{AB}	67.77 \pm 0.88 ^{ab}	63.70 \pm 0.50 ^{AB}	65.89 \pm 0.56 ^{BC}	81.79 \pm 0.85 ^{AB}
H4H6 (11) CGCA	54.55 \pm 1.51 ^{AB}	52.95 \pm 1.44 ^B	64.36 \pm 1.55 ^b	60.45 \pm 1.00 ^C	63.14 \pm 0.93 ^C	76.23 \pm 1.92 ^C
H5H5 (74) TG TG	57.24 \pm 0.56 ^A	58.82 \pm 0.71 ^A	69.93 \pm 0.84 ^a	64.49 \pm 0.51 ^A	67.96 \pm 0.56 ^{AB}	85.86 \pm 0.90 ^A
H5H6 (34) TGCA	57.57 \pm 0.73 ^A	59.15 \pm 0.79 ^A	69.69 \pm 1.07 ^a	64.34 \pm 0.62 ^{AB}	69.18 \pm 0.90 ^A	85.90 \pm 1.02 ^A

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.