

Table S2. Associations for the SNPs of *IGF1* gene with body weight traits and ADG traits in Hulun Buir sheep (mean \pm SE, n = 229)

SNPs	Genotypes	Body weight (kg)			Average daily gain (ADG) (g)		
		BW	WW	NBW	0-4 ADG	4-9 ADG	0-9 ADG
SNP1	GG (225)	4.21 \pm 0.04	23.32 \pm 0.47	32.36 \pm 0.50	153.35 \pm 3.47	62.19 \pm 1.27	104.47 \pm 1.76
	GA (4)	4.70 \pm 0.16	30.48 \pm 1.82	39.60 \pm 0.83	200.75 \pm 12.96	63.66 \pm 9.52	128.41 \pm 2.27
SNP2	TT (113)	4.21 \pm 0.06	22.80 \pm 0.67	31.96 \pm 0.73	150.49 \pm 5.08	63.21 \pm 1.56	103.48 \pm 2.61
	TC (102)	4.23 \pm 0.07	24.33 \pm 0.70	33.35 \pm 0.72	160.02 \pm 5.00	61.74 \pm 2.20	107.57 \pm 2.48
	CC (14)	4.24 \pm 0.14	22.33 \pm 1.72	30.79 \pm 1.85	143.53 \pm 12.40	58.39 \pm 3.91	98.07 \pm 6.41
SNP3	GG (147)	4.22 \pm 0.06	23.02 \pm 0.59	32.09 \pm 0.62	151.10 \pm 4.34	62.22 \pm 1.46^a	103.43 \pm 2.16
	GA (76)	4.26 \pm 0.07	24.17 \pm 0.79	33.38 \pm 0.87	159.16 \pm 5.92	63.70 \pm 2.45^a	108.05 \pm 3.10
	AA (6)	3.78 \pm 0.23	24.45 \pm 2.26	30.52 \pm 2.56	166.58 \pm 15.09	42.17 \pm 4.83^b	99.88 \pm 8.60

BW = birth weight; WW = Weaning weight; NBW = weight at 9-month of age; 0-4 ADG, 4-9 ADG and 0-9 ADG represent the average daily weight gain before weaning, after weaning and from birth to 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.