

Types	Breeds	LX	QC	NY	JX
Genotypic frequencies	LX	–	$\chi^2 = 45.55$	$\chi^2 = 17.26$	$\chi^2 = 20.13$
	QC	$p < 0.01$	–	$\chi^2 = 84.89$	$\chi^2 = 20.12$
	NY	$p < 0.01$	$p < 0.01$	–	$\chi^2 = 29.02$
	JX	$p < 0.01$	$p < 0.01$	$p < 0.01$	–
Allelic frequencies	LX	–	$\chi^2 = 29.71$	$\chi^2 = 0.75$	$\chi^2 = 14.49$
	QC	$p < 0.01$	–	$\chi^2 = 22.43$	$\chi^2 = 7.00$
	NY	$p > 0.05$	$p < 0.01$	–	$\chi^2 = 24.57$
	JX	$p < 0.01$	$p < 0.01$	$p < 0.01$	–

AR: androgen receptor; LX: Luxi cattle; QC: Qinchuan cattle; NY: Nanyang cattle; JX: Jiaxian cattle.