

Table S2 Hardy-Weinberg Equilibrium analysis of the region of *Ap3m2* at the time of the F2 mapping.

	AA	AB	BB	observed		expected		$P(X)^2$	X^2
				p	q	p	q		
D8Mit4	24	46	17	47	40	43.5	43.5	0.452966	86.88635
D8Mit25	27	44	17	49	39	44	44	0.286422	93.95222
D8Mit312	22	48	20	46	44	45	45	0.833029	76.11416
D8Mit113	30	37	17	48.5	35.5	42	42	0.156069	95.98514
D8Mit320	23	45	19	45.5	41.5	43.5	43.5	0.668036	79.78677