

SNPs	Groups	Genotype	Samples	Coat color				χ^2 value
				Black	White	Brown	Mix	
c.203C > T	Nanping black-boned (NPBB)	CC	92	34	8	7	43	2.17
		CT	9	3	0	0	6	
		TT	0	0	0	0	0	
	Nanping normal (NPN)	CC	100	4	6	3	87	16.85
		CT	5	0	1	2	2	
		TT	1	0	0	0	1	
	Romney Marsh (RM)	CC	47	0	47	0	0	
		CT	28	0	28	0	0	
		TT	7	0	7	0	0	
c.1202T > C	Nanping black-boned (NPBB)	TT	57	21	5	29	2	9.25
		TC	29	9	2	15	3	
		CC	6	3	0	1	2	
	Nanping normal (NPN)	TT	54	2	2	48	2	3.30
		TC	36	1	3	29	3	
		CC	7	0	1	6	0	
	Romney Marsh (RM)	TT	49	0	49	0	0	
		TC	23	0	23	0	0	
		CC	5	0	5	0	0	

$$\chi_{0.05(4)}^2 = 9.49, \chi_{0.01(4)}^2 = 13.28.$$