

Table S1. COLQ c.1190G>A genotypes in domestic cat breeds

Type*	Population	Lab	No.	Wildtype (CC)	Carrier (CT)	Affected (TT)
Unbiased	Abyssinian	MU	8	8	0	0
	American Shorthair	MU	8	8	0	0
	Bengal	MU	7	7	0	0
	Birman	MU	7	7	0	0
	British	MU	6	6	0	0
	Burmese	MU	4	4	0	0
	Cornish Rex	MU	8	8	0	0
	Chartreux	MU	6	6	0	0
	Devon Rex	MU	88	82	6	0
	Egyptian Mau	MU	7	7	0	0
	Japanese Bobtail	MU	7	7	0	0
	Khao Manee	MU	1	1	0	0
	Korat	MU	7	7	0	0
	Maine Coon	MU	8	8	0	0
	Manx	MU	5	5	0	0
	Norwegian Forest Cat	MU	7	7	0	0
	Ocicat	MU	7	7	0	0
	Oriental	MU	5	5	0	0
	Persian	MU	7	7	0	0
	Ragdoll	MU	5	5	0	0
	Russian Blue	MU	5	5	0	0
	Siamese	MU	6	6	0	0
	Siberian	MU	7	7	0	0
	Sphynx	MU	98	98	0	0
	Tonkinese	MU	6	6	0	0
	Turkish Angora	MU	6	6	0	0
	Turkish Van	MU	2	2	0	0
	Random Bred	MU	16	16	0	0
Sub-total	28 Breeds	MU	354	348	6	0
	Devon Rex	UM	20	20	0	0
	Sphynx	UM	20	20	0	0
Sub-total	2 Breeds	UM	40	40	0	0
	Devon Rex	VGL	94	92	2	0
	Sphynx	VGL	99	98	1	0
Subtotal	2 Breeds	VGL	193	190	3	0
Biased	Devon Rex	MU	39	17	5	17
	Sphynx	MU	1	0	0	1
Totals	28 breeds		627	595	14	18

*Type implies if the cat samples were ‘biased’ because they were collected as part of the disease study versus ‘unbiased’ because the laboratory conducted a population screen of samples submitted for other genetic testing. Biased affected cats include the cats from all three publications (Malik *et al.* 1993; Shelton *et al.* 2007; Martin *et al.* 2008). Four of five sampled cats from Malik *et al.* (1992) were successfully genotyped from formalin-fixed paraffin-embedded muscle samples. MU – Lyons laboratory, University of Missouri; VGL – Veterinary Genetics Laboratory, UC Davis; UM implies samples tested at the University of Milan.