Disease/trait (Alleles) OMIA entry link	MOI*	Phenotype	Gene	Gene name	Mutation
AB blood type (A+, b) ⁷¹ 000119-9685	AR	Determines type B	СМАН	Cytidine monophospho-N- acetylneuraminic acid hydroxylase	c.1del-53_70 c.139G>A
Craniofacial defect	AR	Craniofacial defect	unpublished	unpublished	unpublished
Gangliosidosis 1 ⁷² 000402-9685	AR	Lipid storage disorder (GM1)	GLB1	Galactosidase, beta 1	c.1457G>C
Gangliosidosis 2 ^{69,73} 01462-0985	AR	Lipid storage disorder (GM2)	HEXB	Hexominidase B	c.1356del-1_8 c.1356_1362delGTTCTCA c.39delC
Glycogen storage disease IV ⁷⁴ 000420-9685	AR	Glycogen storage disorder	GBE1	Glycogen branching enzyme 1	IVS11+1552_IVS12-1339 del6.2kb ins334 bp
Hypertrophic cardiomyopathy ^{75,76} 000515-9685	AD	Cardiac disease (HCM)	MYBPC	Myosin binding protein C	c.93G>C c.2460C>T
Hypokalemia ⁷⁷ 001759-9685	AR	Potassium deficiency (HK)	WNK4	WNK lysine deficient protein kinase 4	c.2899C>T
Progressive retinal atrophy ⁷⁸ 001244-9685	AR	Late-onset blindness (rdAC)	CEP290	Centrosomal protein 290kDa	IVS50 + 9T>G
Progressive retinal atrophy ⁷⁹ 000881-9685	AD	Early-onset blindness (rdy)	CRX	Cone-rod homeobox	c.546delC
Polycystic kidney disease ⁸⁰ 000807-9685	AD	Kidney cysts (PKD)	PKD1	Polycystin 1	c.10063C>A
Pyruvate kinase deficiency ⁸¹ 000844-9685	AR	Hemopathy (PK deficiency)	PKLR	Pyruvate kinase, liver, RBC	c.693+304G>A
Spinal muscular atrophy ⁸² 000939-9685	AR	Muscular atrophy (SMA)	LIX1-LNPEP	Limb expression 1 homolog – leucyl/cystinyl aminopeptidase	Partial gene deletions
*Mode of inheritance of the non-wild type variant. Not all transcripts for a given gene may have been discovered or well documented in the cat; mutations presented as interpreted from original publication. '+' implies the wild type allele when known. In reference to the mutant allele, AD = autosomal dominant, AR = autosomal recessive. OMIA: Online Mendelian Inheritance in Animals (omia.angis.org.au) entries provide links to citations and clinical descriptions of the phenotypes and the diseases. Listed citations are for the causative variant discovery					