

Kit type: Complete

ID kit: CNWJYGYVRX

Test date: 2026-06-01

## Health conditions tested

Genetic Condition	Gene	Risk Variant	Copies	Inheritance	Result
Acute Intermittent Porphyria (Variant 1)	HMBS	Deletion	0	AD	Clear
Acute Intermittent Porphyria (Variant 2)	HMBS	G>A	0	AD	Clear
Acute Intermittent Porphyria (Variant 3)	HMBS	Insertion	0	AD	Clear
Acute Intermittent Porphyria (Variant 4)	HMBS	Deletion	0	AD	Clear
Acute Intermittent Porphyria (Variant 5)	HMBS	G>A	0	AR	Clear
Autoimmune Lymphoproliferative Syndrome (Discovered in British Shorthair)	FASL	Insertion	0	AR	Clear
Burmese Head Defect (Discovered in the Burmese)	ALX1	Deletion	0	AD	Clear
Chediak-Higashi Syndrome (Discovered in the Persian)	LYST	Insertion	0	AR	Clear
Congenital Adrenal Hyperplasia	CYP11B1	G>A	0	AR	Clear
Congenital Erythropoietic Porphyria	UROS	G>A	0	AR	Clear
Congenital Myasthenic Syndrome (Discovered in the Devon Rex and Sphynx)	COLQ	G>A	0	AR	Clear
Cystinuria Type 1A	SCL3A1	C>T	0	AR	Clear
Cystinuria Type B (Variant 1)	SCL7A9	C>T	0	AR	Clear
Cystinuria Type B (Variant 2)	SCL7A9	G>A	0	AR	Clear
Cystinuria Type B (Variant 3)	SCL7A9	T>A	0	AR	Clear
Dihydropyrimidinase Deficiency	DPYS	G>A	0	AR	Clear
Earfold and Osteochondrodysplasia (Discovered in the Scottish Fold)	TRPV4	G>T	0	AD	Clear
Factor XII Deficiency (Variant 1)	F12	Deletion	0	ARa	Clear
Factor XII Deficiency (Variant 2)	F12	Deletion	0	ARa	Clear
Familial Episodic Hypokalemic Polymyopathy (Discovered in the Burmese)	WNK4	C>T	0	AR	Clear
Glutaric Aciduria Type II	ETFDH	T>G	0	AR	Clear

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<b>Glycogen Storage Disease (Discovered in the Norwegian Forest Cat)</b>	GBE1	Insertion	0	AR	Clear
<b>GM1 Gangliosidosis</b>	GLB1	G>C	0	AR	Clear
<b>GM2 Gangliosidosis</b>	GM2A	Deletion	0	AR	Clear
<b>GM2 Gangliosidosis Type II (Discovered in Domestic Shorthair cats)</b>	HEXB	Insertion	0	AR	Clear
<b>GM2 Gangliosidosis Type II (Discovered in Japanese domestic cats)</b>	HEXB	C>T	0	AR	Clear
<b>GM2 Gangliosidosis Type II (Discovered in the Burmese)</b>	HEXB	Deletion	0	AR	Clear
<b>Hemophilia B (Variant 1)</b>	F9	C>T	0	XR	Clear
<b>Hemophilia B (Variant 2)</b>	F9	G>A	0	XR	Clear
<b>Hyperoxaluria Type II</b>	GRHPR	G>A	0	AR	Clear
<b>Hypertrophic Cardiomyopathy (Discovered in the Maine Coon)</b>	MYBPC	G>C	0	AR	Clear
<b>Hypertrophic Cardiomyopathy (Discovered in the Ragdoll)</b>	MYBPC	C>T	0	AD	Clear
<b>Hypotrichosis (Discovered in the Birman)</b>	FOXN1	Deletion	0	AR	Clear
<b>Lipoprotein Lipase Deficiency</b>	LPL	G>A	0	AR	Clear
<b>MDR1 Medication Sensitivity</b>	ABCB1	Deletion	0	AR	Clear
<b>Mucopolysaccharidosis Type I</b>	IDUA	Deletion	0	AR	Clear
<b>Mucopolysaccharidosis Type VI</b>	ARSB	T>C	0	AR	Clear
<b>Mucopolysaccharidosis Type VI Modifier</b>	ARSB	G>A	0	MO	Clear
<b>Mucopolysaccharidosis Type VII (Variant 1)</b>	GUSB	G>A	0	AR	Clear
<b>Mucopolysaccharidosis Type VII (Variant 2)</b>	USB	C>T	0	AR	Clear
<b>Myotonia Congenita</b>	CLCN1	G>T	0	AR	Clear
<b>Polycystic Kidney Disease (PKD)</b>	PKD1	C>A	0	AD	Clear

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<b>Progressive Retinal Atrophy (Discovered in the Abyssinian)</b>	CEP290	T>G	0	AR	Clear
<b>Progressive Retinal Atrophy (Discovered in the Bengal)</b>	KIF3B	G>A	0	AR	Clear
<b>Pyruvate Kinase Deficiency</b>	PKLR	G>A	0	AR	Clear
<b>Sphingomyelinosis (Variant 1)</b>	NPC1	G>C	0	AR	Clear
<b>Sphingomyelinosis (Variant 2)</b>	NPC2	G>A	0	AR	Clear
<b>Vitamin D-Dependent Rickets</b>	CYP27B1	G>T	0	AR	Clear

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## Traits

### Coat Color

	Gene	Variant	Copies	Result
<b>Charcoal (Discovered in the Bengal)</b>	ASIP	A <sup>Pb</sup>	0	No effect
<b>Solid Color</b> Two copies of the Solid Color variant are needed for a cat to have solid colored hair. However, orange coloration overrides this effect, meaning that cats with partial or full orange coats can show tabby patterning in orange areas. Cats with zero or one copy of this variant are likely to have a tabby pattern due to color banding of the hairs.	ASIP	a	2	Solid color hairs likely
<b>Partial and Full White</b> One or two copies of this variant will cause a part white or a full white appearance with blue coloration of one or both eyes possible.	KIT	W or w <sup>s</sup>	1	Partly or fully white coat likely
<b>Amber (Discovered in the Norwegian Forest Cat)</b>	MC1R	e	0	No effect
<b>Russet (Discovered in the Burmese)</b>	MC1R	e <sup>r</sup>	0	No effect
<b>Dilution</b> Two copies of the Dilution variant are required to have a lightening effect on the coat.	MLPH	d	2	Lightened coat color likely
<b>Albinism (Discovered in Oriental breeds)</b>	TYR	c <sup>a</sup>	0	No effect
<b>Colorpoint (Discovered in the Burmese)</b>	TYR	c <sup>b</sup>	0	No effect
<b>Colorpoint (Discovered in the Siamese)</b> Two copies of this variant result in a colorpoint pattern, although this can be blocked by other variants. Cats with one copy of the Colorpoint (Discovered in the Burmese) variant and one copy of the Colorpoint (Discovered in the Siamese) variant will show a darker base coat color and less contrasting colorpoint pattern than cats with two copies of the Colorpoint (Discovered in the Siamese) variant.	TYR	c <sup>s</sup>	2	Siamese colorpoint pattern likely
<b>Mocha (Discovered in the Burmese)</b>	TYR	c <sup>m</sup>	0	No effect
<b>Chocolate</b>	TYRP	b	0	No effect
<b>Cinnamon</b>	TYRP	b <sup>l</sup>	0	No effect

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## Coat Type

	Gene	Variant	Copies	Result
<b>Long Hair (Discovered in many breeds)</b> Two copies of any Long Hair variant must be inherited for a cat to have a long coat. This can either be two copies of a particular variant, such as this one, or two of any combination of Long Hair variants.	FGF5	M4	2	Long coat likely
<b>Long Hair (Discovered in the Norwegian Forest Cat)</b>	FGF5	M2	0	No effect
<b>Long Hair (Discovered in the Ragdoll and Maine Coon)</b>	FGF5	M3	0	No effect
<b>Long Hair (Discovered in the Ragdoll)</b>	FGF5	M1	0	No effect
<b>Lykoi Coat (Variant 1)</b>	HR	hr <sup>Ca</sup>	0	No effect
<b>Lykoi Coat (Variant 2)</b>	HR	hr <sup>VA</sup>	0	No effect
<b>Hairlessness (Discovered in the Sphynx)</b>	KRT71	re <sup>hr</sup>	0	No effect
<b>Rexing (Discovered in the Devon Rex)</b>	KRT71	re <sup>dr</sup>	0	No effect
<b>Rexing (Discovered in the Cornish Rex and German Rex)</b>	LPAR6	r	0	No effect
<b>Glitter</b>	Pending	gl	0	No effect

## Tail Length

	Gene	Variant	Copies	Result
<b>Short Tail (Variant 3)</b>	HES7	jb	0	No effect
<b>Short Tail (Variant 1)</b>	T	C1199del	0	No effect
<b>Short Tail (Variant 2)</b>	T	T988del	0	No effect

## Extra Toes

	Gene	Variant	Copies	Result
<b>Polydactyly (Variant 1)</b>	LIMBR1	HW	0	No effect
<b>Polydactyly (Variant 2)</b>	LIMBR1	UK1	0	No effect

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## Extra Toes

	Gene	Variant	Copies	Result
Polydactyly (Variant 3)	LIMBR1	UK2	0	No effect