

CatCheck analysis details

Test kit ID:	Official name:
Sample number:	Call name: -
Owner:	Breed:
Sample material:	Gender:
Received on:	Chip number:
Created on:	Studbook number: -

The identity of the animal was confirmed by means of a microchip or tattoo by the following person:

Unknown

Explanation of the results

FREE (clear):

The test result "free" means that there is NO mutation for a specific genetic disease.

CARRIER (carrier):

The test result "carrier" means that your cat carries ONE copy of the mutation for a specific genetic disease. However, your cat does not have to develop clinical symptoms due to this mutation, as two copies of a mutation are normally required for the disease to break out.

at risk/affected:

The test result "at risk" means that your cat carries ONE or TWO copies of a mutation for a specific genetic disease that is associated with a specific disease. However, depending on the type of inheritance (recessive or dominant) of a specific genetic disease, one or two altered copies of a particular gene are necessary for the onset of a particular disease.

NO CALL:

The test result "no call" indicates that no result for a specific disease or illness was found in the course of the analyses. characteristic of your cat could be determined. However, this does not mean that your cat is a carrier or at risk for this disease. There are several reasons why a particular test may fail. These can unique variations in certain regions of the DNA which mean that a test cannot be completed successfully and therefore does not give a result. It can also happen that too few cells remained attached when the oral mucosa sample was taken and therefore too little material was available for the analysis. Bacteria or fungi, which can multiply on the brushes if they are not sufficiently dried, can also have a negative effect on the quality of the analysis. An acceptable number of test results for the CatCheck is 48 results. If your cat shows an unacceptable level of failed results, we will contact you to arrange for new sample material to be sent.
contact.

Results - Diseases

Disease	Gene	Genotype	Genotype interpretation
Epidermolysis Bullosa Simplex	KRT14	WT/WT	free
Factor XII deficiency, variant 1	FXII	WT/M	Carrier
Factor XII deficiency, variant 2	FXII	WT/M	Carrier
FIV infection risk modifier	ITGB2	WT/WT	No increased FIV infection resistance
Gangliosidosis GM1, Korat, Siamese cat	GLB1	WT/WT	free
Hypertrophic cardiomyopathy risk factor, sphynx	ALMS1	WT/WT	free
Hypertrophic cardiomyopathy, domestic cat	MYH7	WT/WT	free
Hypertrophic cardiomyopathy, Maine Coon	MYBPC3	WT/WT	free
Hypertrophic cardiomyopathy, ragdoll	MYBPC3	WT/WT	free
Hypokalaemic periodic paralysis, Burma	WNK4	WT/WT	free
Hypotrichosis with short life expectancy, Burma	FOXN1	WT/WT	free
Congenital erythropoietic porphyria, variant 1	UROS	WT/WT	free
Congenital erythropoietic porphyria, variant 2	UROS	WT/WT	free
Congenital myasthenic syndrome, Devon Rex, Sphynx	COLQ	WT/WT	free
Drug intolerance	ABCB1	WT/WT	free
Mucopolysaccharidosis type VI modifier	ARSB	WT/WT	free
Polycystic kidney disease	PKD1	WT/WT	free
Progressive retinal atrophy, Abyssinian	CEP290	WT/WT	free
Progressive retinal atrophy, Persian	AIPL1	WT/WT	free
Pyruvate kinase deficiency	PKLR	WT/WT	free

Results - Coat colours & characteristics

Feature	Gene	Genotype	Genotype interpretation
A-Lokus, Agouti	ASIP	A/a	Tabby Expression (single-colour carrier)
B-Lokus, Chocolate (b)	TYRP1	B/B	Black coat colour
B-Lokus, Cinnamon (b1)	TYRP1	B/B	Black coat colour
C-locus, albino variant	TYR	C/C	No Point badges
C-Lokus, Point Variant 1, Burma	TYR	C/C	No Point badges
C-Lokus, Point variant 2, Siamese cat	TYR	C/C	No Point badges
Curly Coat, Curls, Cornish Rex	LAPR6	Cu/Cu	No curls
D-Lokus, colour dilution	MLPH	D/d	No colour thinning (carrier)
E-Lokus, Amber (e), Norwegian Forest Cat	MC1R	E/E	No amber, dark pigmentation
E-Lokus, Russet (er), Burma	MC1R	E/E	No soot, dark pigmentation
L-Locus (Longhair) I5-variant, Maine Coon	FGF5	L/L	Shorthair
L-Lokus (Longhair) I1-variant, Ragdoll	FGF5	L/L	Shorthair
L-locus (longhair) I2-variant, Norwegian Forest Cat	FGF5	L/L	Shorthair
L-Lokus (Longhair) I3-variant, Ragdoll, Maine Coon	FGF5	L/L	Shorthair
L-locus (long hair) I4 variant	FGF5	l/l	Long hair
Mc-Lokus (Tabby) Blottched Variant 1	LVRN	mc1/ mc1	Classic tabby coat pattern or spotted tabby coat pattern.
Mc-Lokus (Tabby) Blottched Variant 2	LVRN	Mc/Mc	Tabby (wild type) Tabby coat colour
Mc-Lokus (Tabby) Blottched Variant 3	LVRN	Mc/Mc	Tabby (wild type) Tabby coat colour
Ti-Lokus (Ticked) Variant 1	DKK4	ti+/ti+	Tabby without ticking
Ti-Lokus (Ticked) Variant 2	DKK4	ti+/ti+	Tabby without ticking
Wb-Lokus (Extreme Sunshine), Siberian Forest Cat	CORIN	Wb/Wb	Tabby with dark/covered markings
Wb-Lokus (copper), British Shorthair	CORIN	Wb/Wb	No gold colouring
White lumps, Burma	KIT	N/wg	Wearers of white socks

Results - Blood group

Blood group	Gene	Genotype	Genotype interpretation
Blood group B, variant 1 (b1)	CMAH	A/A	Blood group A
Blood group B, variant 2 (b2)	CMAH	A/A	Blood group A
Blood group C, variant (ac) Ragdoll	CMAH	A/A	Blood group A