

Known Disorders in the Breed

| **Type** | **Disorder** | **Genotype** | **Status** |
| --- | --- | --- | --- |
| Blood Disorders | Erythrocyte Pyruvate Kinase (PK) Deficiency | G/G | Clear |
| Cardiac Disorders | Hypertrophic Cardiomyopathy, MYBPC3 mutation: A31P found in Maine Coon | G/G | Clear |
| Muscular Disorders | Spinal Muscular Atrophy (SMA)/Spinal Muscular Dystrophy | I/I | Clear |
| Renal Disorders | Polycystic Kidney Disease  | Clear  |
| **Trait** | **Tested variant** | **Genotype** | **Interpretation** |  |  |
| Blood Type (3 variants) |  | N/N | Cat has blood type A.  |  |  |
| Color Locus D: Dilution | *MLPH* T83del (d allele) | D/d | The coat color is not diluted; the cat carries one copy of the dilute gene. |
| Color Locus A: Agouti  |  | a/a | The cat is likely to have non-agouti (solid) coat color.  |