

Genotypes

Genotypes are genetic "codes". The ones most commonly used with rabbits are the genotypes for colors. This is a list of color genotypes in rabbits. The underscore(_) means that it doesn't matter what else the rabbit carries-dominant or recessive-doesn't matter.

Broken Gene

All of these colors can be broken (white and the color) unless otherwise noted. A broken color has the gene E_n , solids are $e_n e_n$. If there are two E_n genes ($E_n E_n$) then the result is a "charlie" rabbit where there is not much color. It may or may not be showable depending on the breed and the amount of color present. A correct broken has the genotype of $E_n e_n$, usually (modifiers can make charlies appear to be normal broken, or vice-versa).

Charlie: $E_n E_n$

Broken: $E_n e_n$

Solid: $e_n e_n$

Chestnut: $A_ B_ C_ D_ E_$

Opal: $A_ B_ C_ dd E_$

Chocolate Agouti: $A_ bb C_ D_ E_$

Lynx: $A_ bb C_ dd E_$

Black: $aa B_ C_ D_ E_$

Blue: $aa B_ C_ dd E_$

Red: $A_ B_ C_ D_ ee ww$

Orange: $A_ B_ C_ D_ ee$ + rufus modifiers

Fawn: $A_ B_ C_ D_ ee$ ($A_ B_ C_ ddee$ in every breed but Hollands)

Cream: $A_ B_ C_ dd ee$

Tort: $aa B_ C_ D_ ee$

Blue Tort: $aa B_ C_ dd ee$

Lilac Tort: $aa bb C_ dd ee$

Chocolate Tort: $aa bb C_ D_ ee$

Chocolate: aa bb C_ D_ E_

Lilac: aa bb C_ dd E_

Ruby Eyed White: ___ cc ___

Blue Eyed White: ___ ___ ___ vv

Siamese Sable: aa B_ c^{ch1} c D_ E_

Smoke Pearl: aa B_ c^{ch1} c dd E_

Frosty: A_ B_ c^{ch3} _ D_ ee

Seal: aa B_ c^{ch1} c^{ch1} D_ E_

Chinchilla: A_ B_ c^{ch3} _ D_ E_

Iron Gray (not showable in US): aa B_ c^{ch3} _ D_ ee

Chocolate Chinchilla: A_ bb c^{ch3} _ D_ E_

Squirrel (blue chinchilla): A_ B_ c^{ch3} _ dd E_

Lilac Chinchilla: A_ bb c^{ch3} _ dd E_

Sable Chinchilla: A_ B_ c^{ch1} _ D_ E_

Sable Point: aa B_ c^{ch1} _ D_ ee

Blue Point (non-showable in HL's): aa B_ c^{ch1} _ dd ee

Chocolate Point: aa bb c^{ch1} _ D_ ee

Lilac Point: aa bb c^{ch1} _ dd ee

****ALL Harlequins are NOT showable in Holland Lops!!****

Orange/Black Tri-Color: A_ B_ C_ D_ e^je Enen

Orange/Black Harlequin : A_ B_ C_ D_ e^je enen

Blue/Fawn Tri: A_ B_ C_ dd e^je Enen

Blue/Fawn Harlequin: A_ B_ C_ dd e^je enen

Chocolate/Fawn Tri: A_ bb C_ D_ e^je Enen

Chocolate/Fawn Harlequin: A_ bb C_ D_ e^je enen

Lilac/Fawn Tri: A_ bb C_ dd e^je Enen

Lilac/Fawn Harlequin: A_ bb C_ dd e^je enen

Black Otter: a^t_ B_ C_ D_ E_

Blue Otter: a^t_ B_ C_ dd E_

Chocolate Otter: a^t_ bb C_ D_ E_

Lilac Otter: a^t_ bb C_ dd E_

Black Gold Tipped Steel: A_ B_ C_ D_ E^s_

Blue Gold Tipped Steel: A_ B_ C_ dd E^s_

Chocolate Gold Tipped Steel: A_ bb C_ D_ E^s_

Lilac Gold Tipped Steel: A_ bb C_ dd E^s_

Black Silver Tipped Steel: A_ B_ c^{ch3}_ D_ E^s_

Blue Silver Tipped Steel: A_ B_ c^{ch3}_ dd E^s_

Chocolate Silver Tipped Steel: A_ bb c^{ch3}_ D_ E^s_

Lilac Silver Tipped Steel: A_ bb c^{ch3}_ dd E^s_

Sable Martin: a^t_ B_ c^{ch1}_ D_ E_

Smoke Pearl Martin: a^t_ B_ c^{ch1}_ dd E_

Chocolate Sable Martin: a^t_ bb c^{ch1}_ D_ E_

Lilac Sable Martin: a^t_ bb c^{ch1}_ dd E_

Silver Martin: a^t_ B_ c^{ch3}_ D_ E_

Blue Silver Martin: a^t_ B_ c^{ch3}_ dd E_

Chocolate Silver Martin: a^t_ bb c^{ch3}_ D_ E_

Lilac Silver Martin: a^t_ bb c^{ch3}_ ddE_

Black Pointed White: aa B_ c^h c D_ E_

Blue Pointed White: aa B_ c^h c dd E_

Chocolate Pointed White: aa bb c^h c D_ E_

Lilac Pointed White: aa bb c^h c dd E_