

The Breeders Academy Presents

Dominant, Recessive and Sex-linked Traits Breeders Chart



By Kenny Troiano

The Breeders Academy Presents

A LIST OF DOMINANT AND RECESSIVE TRAITS

Here is a useful list of Dominant, Recessive and Sex-linked Characters in Chickens and Gamefowl.

Knowing which traits are dominant or recessive will aid you during the selection process in make sure you are mating your fowl properly to achieve a specific result. Knowing which traits are sex-linked is also valuable knowledge in the breeding and perpetuation of a strain.

This list will also help you in testing the purity of a particular characteristic or trait.

Special Note: We will be adding to list as new traits are discovered.

Character	Dominant or Recessive	Sex-linked
Barred plumage	In Plymouth Rocks, dominant to nonbarring	Yes
Barred plumage	In American Games, dominant to nonbarring	Yes
Black plumage	Dominant to recessive white	No
Broodiness	Dominant to nonbroodiness	Yes
Buff plumage	Dominant to recessive white, recessive to black	No
Close feathering	Dominant to loose feathering	No
Early sexual maturity	Dominant to late sexual maturity	Yes
Feathered shanks	Dominant to nonfeathered shanks	No
Growth hormone receptor	Dominant to mutant receptor	Yes
Rose comb	Dominant to single comb	No
Pea comb	Dominant to single comb	No
Side sprigs	Dominant to normal comb	No
Silver plumage	Dominant to (gold), red, buff plumage	Yes
Slow feathering	Dominant to rapid feathering	Yes

White plumage	In White Leghorns, dominant to color. In White American Games, recessive to color.	No
White skin	Dominant to yellow skin	No
Winter pause	Dominant to continuous laying	No
Silkie plumage	Recessive to normal plumage	No
Frizzled plumage	Incompletely dominant to normal plumage	No
Frayed feathering	Recessive to normal feather development	No
Flightlessness	Dominant to normal wings	No
Nakedness	Recessive to normal feathering	Yes
Stringy feathers	Recessive to normal feathering	No
Naked neck	Dominant to normal neck feathering	Yes
Long tail	Incompletely dominant to normal tail	No
Vulture hocks	Recessive to normal hock feathers	Yes
Crest	Dominant to absence of crest	No
Muffs and beard	Incompletely dominant to their absence	No
Late feathering	Dominant to early feathering	Yes
Retarded early feathering	Recessive modifier of early feathering	No
Ragged wing	Recessive to normal wing	No
Hen feathering in males	Dominant to normal feathering	No

Walnut comb	Dominant to rose, pea, and single comb	No
Blindness	Recessive to normal eye	No
Abnormal or missing maxillae	Recessive to normal condition	No
Short upper beak	Recessive to normal beak	No

Missing mandible	Recessive to normal condition	No
Short mandible	Recessive to normal condition	No
Winglessness	Recessive to normal wings	No
Crooked-neck dwarf	Recessive to normal condition	No
Dark Cornish short leg	Dominant to normal condition	No
Sex-linked dwarfism	Recessive to normal condition	Yes
Creeper	Recessive to normal condition	No
Complete rumplessness	Dominant to normal condition	No
Recessive rumplessness	Recessive to normal condition	No
Polydactyly	Dominant to four-toed condition	No
Diplopodia	Recessive to four-toed condition	No
Multiple spurs	Dominant to single spurs	No
White leg color	Dominant to yellow leg color	Yes
Yellow leg color	Dominant to green leg color	Yes
Albinism	Recessive to normal	No
Imperfect albinism	Recessive to normal	Yes
Blue plumage	Due to heterozygous condition of color genes	No
Cream plumage	Dilutes gold	No
Red plumage	Recessive to black and silver	No
Mottled plumage	Recessive to black	No
Pied plumage	Recessive to black	No
Black Spangling	Dominant to solid color	No

