

A

Different occurrence frequencies

China gene pool
vs
Europe gene pool 118↑ 167↓

China-domestic gene pool
vs
Wild gene pool 13↑ 696↓

Europe-domestic gene pool
vs
Wild gene pool 19↑ 662↓

High body weight gene pool
vs
Medium body weight gene pool 320↑ 1↓

High body weight gene pool
vs
Low body weight gene pool 1↑ 338↓

High reproductive ability gene pool
vs
Low reproductive ability gene pool 24↑ 4↓

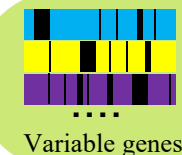
Medium reproductive ability gene pool
vs
Low reproductive ability gene pool 11↑ 0↓



PAV
+
SNP



Reveal
different
population
structure



hair follicle
maturation
receptor clustering
cell adhesion molecule
binding

PAV-GWAS



FOXRED1,
GANAB etc.

PAV-GWAS



Many signals

B

