sox9bY Strain Sex Phenotype gipc1Y WLC1475 female wildtype no no WLC1475 male melanic positive positive WLC1475 melanic male positive positive WLC1475 male wildtype no no WLC5589 male wildtype no no WLC2514 female wildtype no no WLC2514 male melanic positive positive WLC2514 male wildtype no no WLC2105 female wildtype no no WLC2105 male melanic positive positive WLC2105 male wildtype no no WLC2105 male wildtype no no wildtype WLC2105 male no no WLC2105 male wildtype no no WLC6439 female wildtype no no

wildtype

no

no

Table S2 Results of allele-specific PCRs.

WLC6439

female

male	wildtype	no	no
male	wildtype	no	no
male	wildtype	no	no
male	wildtype	no	no
male	wildtype	no	no
male	wildtype	no	no
male	melanic	positive	positive
juvenile	melanic	positive	positive
juvenile	wildtype	no	no
male	melanic	positive	positive
female	melanic	positive	positive
female	melanic	positive	no
female	melanic	positive	no
female	melanic	positive	no
female	melanic	positive	positive
female	melanic	positive	positive
female	melanic	positive	positive
female	melanic	positive	positive
female	melanic	positive	positive
	malemalemalemalemalemalejuvenilejuvenilefemale	malewildtypemalewildtypemalewildtypemalewildtypemalewildtypemalewildtypemalemelanicjuvenilemelanicjuvenilewildtypemalemelanicfemalemelanic	malewildtypenomalewildtypenomalewildtypenomalewildtypenomalewildtypenomalewildtypenomalemelanicpositivejuvenilemelanicpositivejuvenilewildtypenomalemelanicpositivejuvenilewildtypenomalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositivefemalemelanicpositive

Gray shading, melanic juveniles/males; yellow shading, wildtype males derived from inbred melanic strains (potential XX males); red shading, melanic females. Wildtype means non-melanic.