Table 2. Effect of population, sex, treatment, and their interaction on body mass and tail length (n=80). Phenotypic changes are depicted in Figure 3. The table reports results of linear mixed effects models. The numerator degrees of freedom is 1 for all predictors. The models were of the form:

Response Variable ~ Body Mass + Population * Sex * Treatment + (1|Line)

Response Variable	Predictor	χ^2	P value
Body Mass	Population	4.95	0.026^*
	Sex	20.14	$7.20 \times 10^{-6***}$
	Treatment	0.074	0.79
	Population:Sex	2.64	0.10
Tail Length	Body Mass	51.95	$5.70 \times 10^{-13****}$
	Population	15.48	$8.32 \times 10^{-5***}$
	Sex	2.78	0.10
	Treatment	5.4843	0.019^*
	Population:Treatment	7.53	0.0061^{**}

$^*P<0.05, ^{**}P<0.01, ^{***}P<0.001, ^{****}P<0.0001$