THE WORLD

~~Asexual and sexual alleles?~~

~~On the same world to compete~~

~~Dominance recessive~~

~~Genotype AND phenotype~~

ALLELE FREQUENCIES INFO

Chart showing frequency of sexual vs. asexual

Chart of allele frequencies for different allele types

SIMULATION RESULTS

Asexual fares better in nonchanging envir

Sexual does better with natural selction

Population mixed (asexual and sexual)

Which individuals proliferate

Asexual all female

Males are costly so asexual increase while sexual doesn’t

Sex only provides an advantage when there is variation in the environment (think peppered moth simulation)

Males and females – only females can have babies, must be product of mating

Allele 1

Dominant / recessive

Color

To DO:

1. ~~Show results (allele frequencies, counts, percentages, genotypes, etc.)~~
2. Jumble axesual reproduction
3. ~~Gene flow issues~~
4. ~~Mutations~~
5. ~~Generalize allele algorithms for four alleles~~
6. ~~Natural selection~~

; COORDINATES EVERYONE'S PLOT RANGES

;set-plot-y-range plot-y-min plot-y-max

;set-plot-x-range plot-x-min plot-x-max

; ifelse random-float 1.0 < 0.5 [

; ask first-allele [ hatch-alleles 1 [ set all-1 self ]]

; ][

; ask [first-allele] of mate [ hatch-alleles 1 [ set all-1 self ]]

; print [color] of [first-allele] of mate

; print [color] of all-1

; print ""

; ]

;

; ifelse random-float 1.0 < 0.5 [

; ask second-allele [ hatch-alleles 1 [ set all-2 self ]]

; ][

; ask [second-allele] of mate [ hatch-alleles 1 [ set all-2 self ]]

; ]

;set first-allele all-1

;set second-allele all-2

Not working after I added NPCs

Also remember to change to carrying capacity