paper\_figs\_rotations202010 : create paper figures from rotation runs

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2020-10-08

Code to plot and analyse rotations runs for paper.

Runs themselves are done from rotation\_runs2019.Rmd.

16 expts of 10,000 runs each comparing rotations and sequences.

#fig1 before this is model description

# example scenarios

# A1 frequency switch insecticides same, no costs no disp



# A2 frequency switch insecticides same, costs no disp



# C2 mortality switch insecticides same, no costs, disp



# A3 frequency switch insecticides same, no costs, disp



# B2 frequency switch insecticides different, costs



# difference between rotations and sequences, all runs

## # A tibble: 2 x 2  
## gens\_rot\_minus\_seq n  
## <dbl> <int>  
## 1 -10 2  
## 2 0 9998



# pcent difference between rotations and sequences, all runs





# at each generations below threshold for rotations, which strategy was best



# at each generations below threshold for rotations, which strategy was best



# count proportion of scenarios not reaching resistance thresholds

## proportion runs not reaching thresholds : 0.2986187

## proportion runs (that did reach threshold) where rotations and sequence the same : 0.5616313

## proportion runs (that did reach threshold) where rotations >20 % better than sequence : 0.03543125