power to detect fitness change in 500 generations with n entries per timepoint 1.00 -0.75 -Fitness Change **→** 22% **→** 5% 20% -- 45% 18% -- 4% 16% -- 3.5% bower 0.50 14% -- 3% 12% -- 2.5% 10% -- 2% **--** 1.5% 8% -- 1% **--** 0.5% **--** 0.25% 0.25 -2 3 n (replicates per timepoint)