A picture containing calendar

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**S6 Fig. Within-group evolutionary dynamics of groups founded by cells with genotype 2.** Within-group mutation selection dynamics are shown for a group founded by a cell with genotype , which actively expresses pleiotropy, , but no cooperation, , a no private trait, . Growth of the group as its age, , increases, is logistic, with a carrying capacity . Dynamics are shown from left to right for three different strengths of pleiotropy, . The vertical dashed line in (A-C) represents the point at which mutant cell lineages make up 25% of the group. Note that the strength of pleiotropy has no effect on the within-group dynamics. (A) Changes in genotype abundances, . (B) Changes in genotype relative frequencies, . (C) Changes in the average levels of cooperation, private trait expression, and pleiotropy, . (D) Differential fitness effects of loss-of-function mutations within the group. Parameters: ; ; ; . The code required to generate this Figure can be found at https://github.com/euler-mab/pleiotropy and https://zenodo.org/record/6367788#.YjSBVurP2Uk.