



FIGURE S2 Dependence of heritability and log recurrence risk ratio on epimutation rates for Case 1 ($\mu_{x,1 \rightarrow 0} = \mu_{y,1 \rightarrow 0} = 0.5$). The colors in the top panel indicate heritability, and in the bottom panel indicate the natural log of recurrence risk, $\ln(\lambda)$. The horizontal axis in each panel indicates the value of $\mu_{x,0 \rightarrow 1}$, and the vertical axis indicates the value of $\mu_{y,0 \rightarrow 1}$. The contour curves represent constant disease prevalence values (K), with the lower left contour indicating a prevalence of 0.15, and each progressive contour toward the upper right corresponding to an increase in prevalence of 0.05. For both of these panels, the other parameter values are $\mu_{x,1 \rightarrow 0} = \mu_{y,1 \rightarrow 0} = 0.5, \alpha = 0, r = 0.5, \delta = 1, m = 0.5, e = 0.1$, and $a = 0.5$.