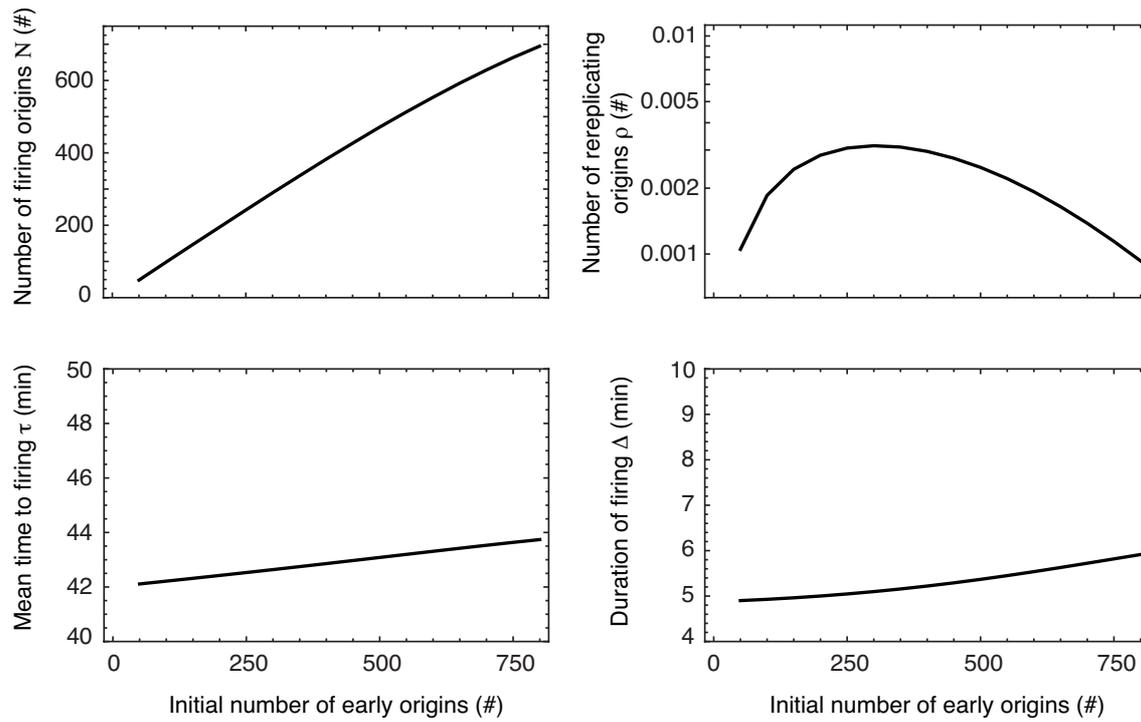


Supporting Figure 5: Dependence of the systems properties on the initial number of early origins calculated with the reference parameter set



The initial number of early origins, used in the mathematical model, does not influence the values of the systems properties. The number of rereplicating origins, the mean time to firing and the duration of firing remain almost unchanged, when the initial number of early origins is varied between 50 to 800 origins. The number of firing origins increases proportional to the initial number of early origins, so that finally always a fraction of $> 95\%$ is activated.