



Figure S1 Comparison of the true LRS distribution to the χ^2 distribution with 1 df. Panels show comparisons for different values of the population size N and the number of sampled time points L , as indicated on the left and on top. Notations are as in Figure 1. Parameter values: $T = 100$, $\Delta = 20$, $v_0 = 0.5$; the number of Wright-Fisher simulations was 10^6 .