



Figure S2. Peak dynamic range near $\kappa=1$ is robust to variations in the analysis parameters TH and DT. Shown are summary plots of dynamic range Δ versus deviation from power-law κ . These are comparable to the data shown in Fig 4d of the main manuscript. Since κ depends on the analysis parameters DT and TH, as shown in Supplementary Fig S1, the Δ versus κ relationship could also depend on these parameters. We tested this for TH= 5, 10, and 20 spikes (left to right) and DT= 5, 10, and 20 ms (top to bottom). The central panel is closest to the parameter values used for the analysis shown in Fig 4d. Most of these parameter combinations show a clear peak in dynamic range near $\kappa=1$. Thus, we conclude that our primary finding is largely robust to these changes in analysis parameters.