Figure 6: Selecting for instances of the Jacobian that result in a stable operating point. **Left plot:** The distribution of the largest real part within the spectrum of eigenvalues, corresponding to Fig. 4 in the manuscript. All saturation parameters $\theta_{\mu}$ are sampled randomly from a uniform distribution. **Right upper plot:** The initial distribution of the saturation parameter $\theta_{\text{ATP}}$. **Right lower plot:** The distribution of the saturation parameter $\theta_{\text{ATP}}$ when only instances of the Jacobians with $\lambda_R^{\text{max}} < 0$ are selected from the initial ensemble.

Figure 7: The distribution of saturation parameters when only instances of the Jacobian with $\lambda_R^{\text{max}} < 0$ are selected from the initial ensemble. In each case, the parameter was initially selected from a uniform distribution.