**Table S1.** Configurations for Simulation Runs

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Figure** | **Network Configuration** | **Initial Traits** | **Innovation Rate** | **Simulation Length** | **Population Size** | **Interaction Rate** | **k-values** | **Number of Subpopulations** | **Rewiring Probability** | **Repetitions** |
| Figures 3-4 | Watts-Strogatz | 100 | 0.00 | 2000 | 5000 | 0.0001 | 5, 20, 120 | 150 | 0.001 | 10 |
| Figures 5-6 | Watts-Strogatz | 100 | 0.00 | 2000 | 5000 | 0.0001 | 2 | 2, 50, 200 | 0.001 | 10 |
| Figures 7-8 | Watts-Strogatz | 100 | 0.00 | 2000 | 5000 | 0.0001-0.005 | 5-190 | 200 | 0.001 | 5 |
| Figures 9-10 | Watts-Strogatz | 100 | 0.00 | 2000 | 5000 | 0.0001-0.005 | 2 | 5-200 | 0.001 | 5 |
| Figures 11-12 | Watts-Strogatz | 100 | 0.00 | 2000 | 5000 | 0.0001-0.005 | 2 | 5-200 | 0.001 | 5 |
| Figures 13-14 | Rapa Nui Ahu | 100 | 0.00 | 2000 | 5000 | 0.0001 | 2, 50, 140 | 150 | 0.001 | 5 |
| Figures 15-16 | Rapa Nui Ahu | 100 | 0.00 | 2000 | 5000 | 0.00001-0.00005 | 5-125 | 150 | 0.001 | 5 |