Table S1

| Figure | what? | N       | K       | topology          | $w_{ij}$   | $s_i$  | $f(x)$ | $f(0)$ | references |
|--------|-------|---------|---------|-------------------|------------|--------|--------|--------|------------|
| 1      | network size | 4..10,000 | N,4,2   | regular, exp-pow  | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$) | 1      | [8,9]  |            |
| 2      | initial state | 4,10    | N       | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$) | 1      | [11]   |            |
| 3      | network density | 5,10,20 | N,.1    | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$) | 1      | [5,32,35,54] |          |
| 4      | off-state 0 or −1 | 4..10   | N,.1    | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$), $\{0,1\}$ | H($x$) | [12,18,20] |            |
| 5      | binary or real matrices | 5       | N       | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$) | 1      | [11,14,15] |            |
| 6      | binary or real states | 4..10   | N,.1    | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$), $\{-1,1\}$ | $\varsigma(x,a)$ | 1, 0 | [9,16] |
| S1     | topology $K = 2$ | 4..10,000 | 2       | regular, exp-pow, Poisson | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$) | 1      | [49,53] |            |
| S2     | topology $K = 4$ | 4..250  | 4       | regular, Poisson  | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$) | 1      |            |            |
| S3     | transient time | 4..1,000 | N,4,2   | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$) | 1      |            |            |
| S4     | sample size | 4..10,000 | N,4,2   | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$) | 1      |            |            |
| S5     | size and density | 4..60   | N,6,4,2 | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$) | 1      |            |            |
| S6     | stability $> 0.5$ | 4..1,000 | 2,1     | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$), $\{0,1\}$ | H($x$) | 1      |            |
| S7     | off-state 0 or −1 | 4       | N       | regular           | binary $\sim \{-1,1\}$ | sgn($x$), $\{0,1\}$ | H($x$) | 1      |            |
| S8     | discovery time | 10      | N,.1    | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$), $\{0,1\}$ | H($x$) | 1      |            |
| S9     | Hill number | 10      | N       | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$), $\{0,1\}$ | H($x$) | 1      | [11,17] |            |
| S10    | attractor length | 10      | N       | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$), $\{0,1\}$ | H($x$) | 1      | [7,23,40,43] |            |
| S11    | odd and even length | 10     | N       | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$) | 1      | [5,12] |            |
| S12    | $f(0)$ | 4..60   | N       | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$), $\{0,1\}$ | H($x$) | $\pm 1.0$ | [8,18,20] |            |
| S13    | $f(x)$ | 4..60   | N       | regular           | real $\sim \mathcal{N}(0,1)$, $\{-1,1\}$ | sgn($x$), $\{0,1\}$ | H($x$) | $\varsigma(x,a)$ | 1, 0 | [11,17] |