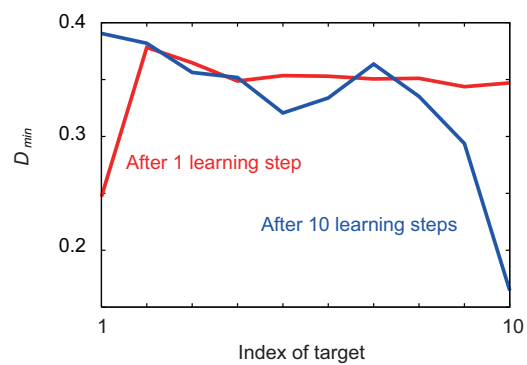
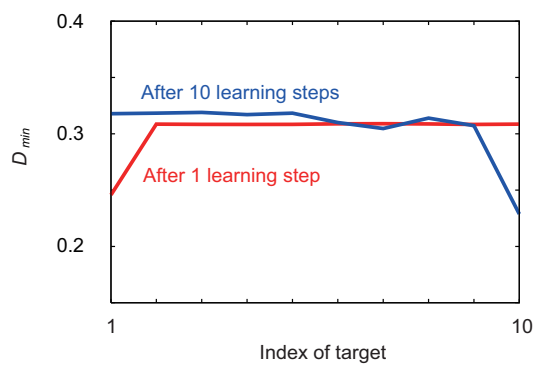


A**B**

Supporting Figure Legends

Figure S : Change in the minimum distance between the activity and the target. Change in the minimum distance between the output activity and the target during the learning process are plotted. The minimum distance D_{min} at $\tau^{BS} = 1$ and $\tau^{BS} = 128$ is plotted in Figs. A and B, respectively. Here, D_{min} is defined in the same manner as in Figure 9. Red and blue lines represent D_{min} after one and ten learning steps, respectively. The distance to one (or a few) target(s) is small, while in Figure 9, the distance to almost all the targets is small for $\tau^{BS} = 8$.