Supporting Figure 3. Comparison of relative memory strengths after single session and multiple session extinction. (A) Basins of attraction after single session extinction. Learning of memories 1, 2 and 3 occurs as in Figure 2C, with extinction learned in a single reexposure session with $t = 10$. Energy landscape shows relative basins of attraction after learning of the 3 memories. The energy minimum for memory 2 persists, but is higher than that of memory 3, leading to behavioral dominance of the extinction memory. (B) Basins of attraction after multiple session extinction. Learning of memories 1 and 2 occurs as in (A), while extinction occurs through 6 reexposure sessions with $t = 6$ as in Figure 2D. The energy minimum for memory 2 is significantly reduced by multiple sessions of extinction when compared to a single session, due to the effects of mismatch-induced degradation. This could be related to the finding that spaced extinction trials can lead to less spontaneous recovery and renewal of the original memory than massed trials [94].