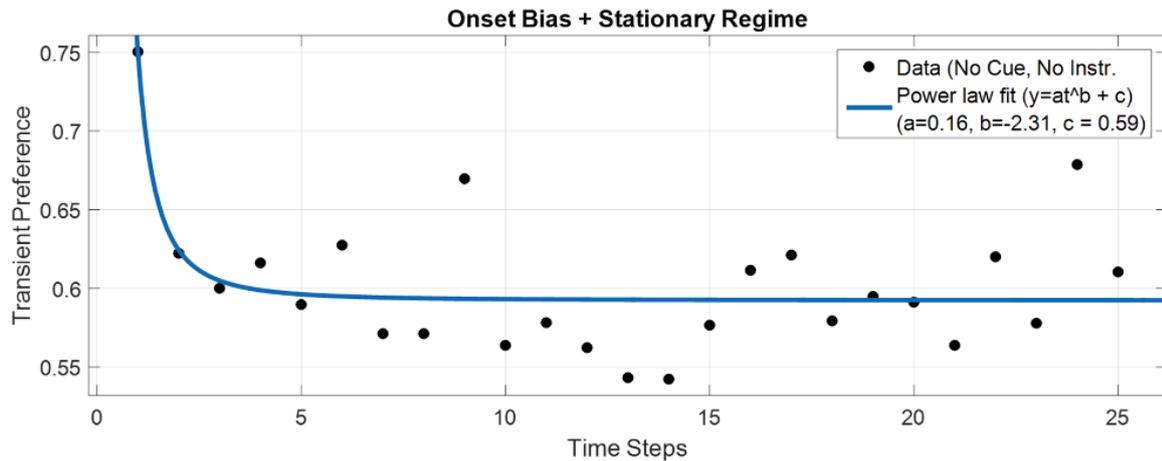


**Figure S9.**  
Transient preference (TP) as a function of time (black dots) and fitted power law model (blue curve).



Transient preference can be defined as the RP for different time steps. As expected, TP attains a high value ( $TP(1) = 0.75$ ) at the beginning of a run ( $t = 1$ ), indicating the presence of an onset bias that rapidly decreases until reaching a stationary regime ( $TP(\text{st. reg.}) \sim 0.6$ ) (Mamassian & Goutcher, 2005). Interestingly, TP in the stationary regime is above chance, indicating the presence of a persistent bias even after the onset bias fades out (the implicit bias that we describe in the **Main Text** is a combination of those two biases). This figure is reassuring, since absence of this pattern would indicate either a response bias or a very long inter-stimulus interval. This figure corresponds to the normal cube/no instructions/no cue condition ( $N=15$ ), but a similar pattern was obtained for all other conditions as well (not presented).