

Figure 6 - Supplementary 1 NANDY

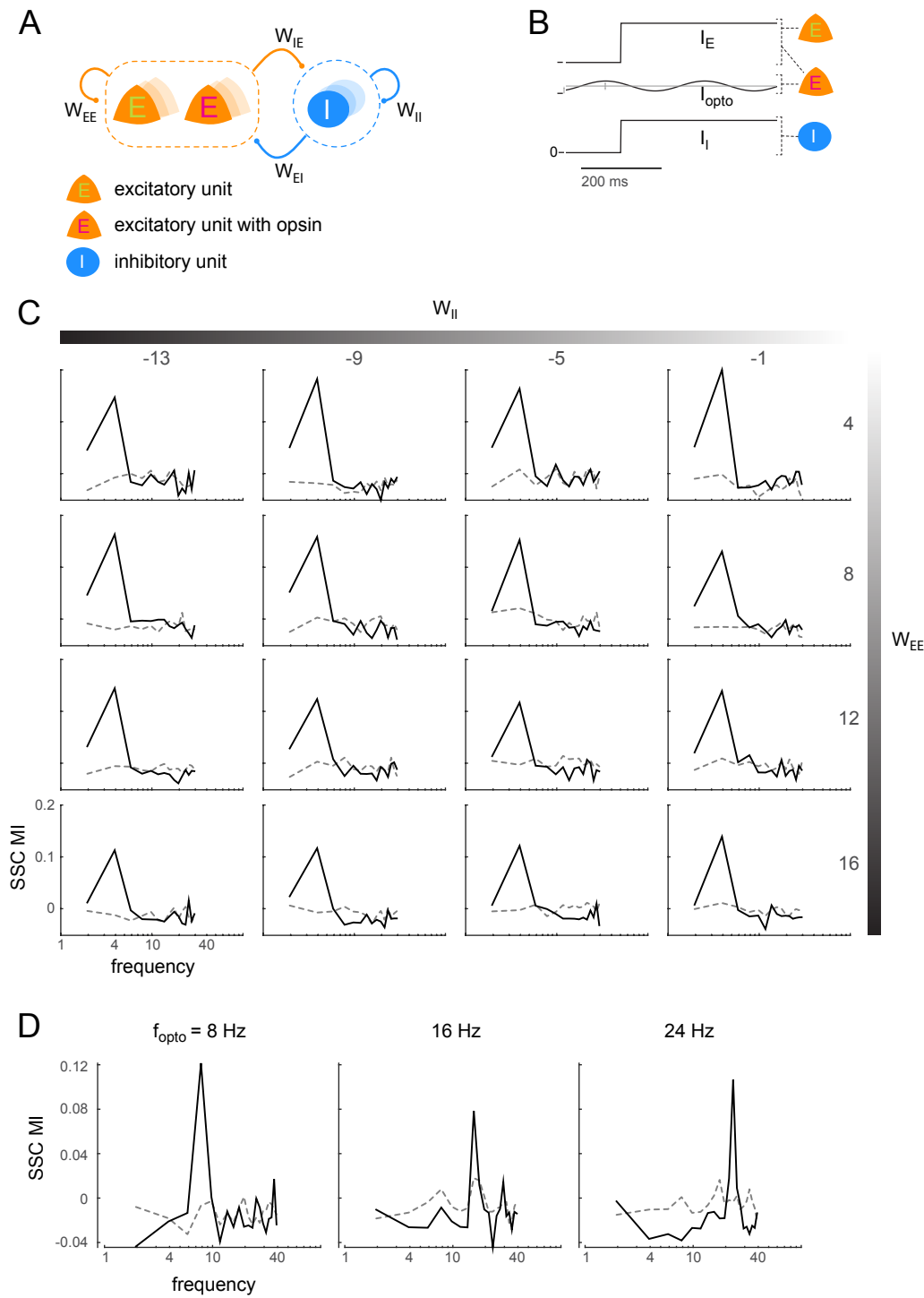


Fig 6 - Supp 1. Induction of coherent activity in the E-I model is robust across network and stimulation parameters - I. (A)-(B) same as Fig 6A-B. (C) Spike-spike coherence modulation index (SSC MI; see Fig 6D) as a function of varying the self-coupling parameters W_{EE} and W_{II} , keeping the other two parameters fixed ($W_{IE}=4, W_{EI}=-18$). SSC MI exhibits a peak at the 4Hz optical stimulation frequency irrespective of the self-coupling parameters. The dotted lines represent the null SSC MI obtained by shuffling trial identities. (D) The peak SSC MI shifts with increasing optical stimulation frequency (f_{opto} , network parameters same as in Fig 5), indicating that the peak is not due to any intrinsic resonant activity in the network. Dotted lines same as in C.