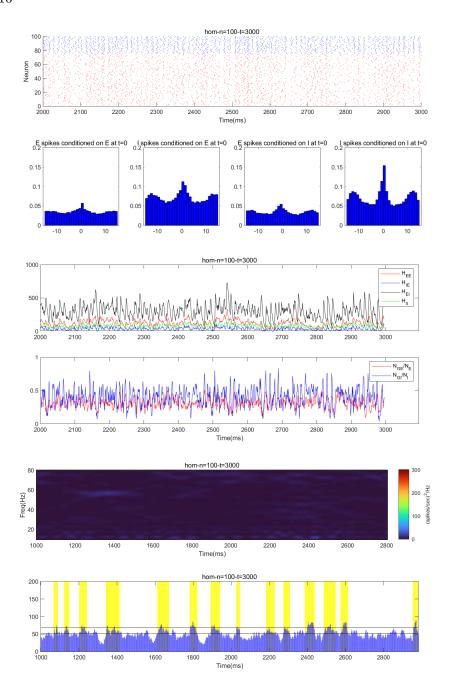
1 Results of Full Model

1.1 Hom

Statistics:

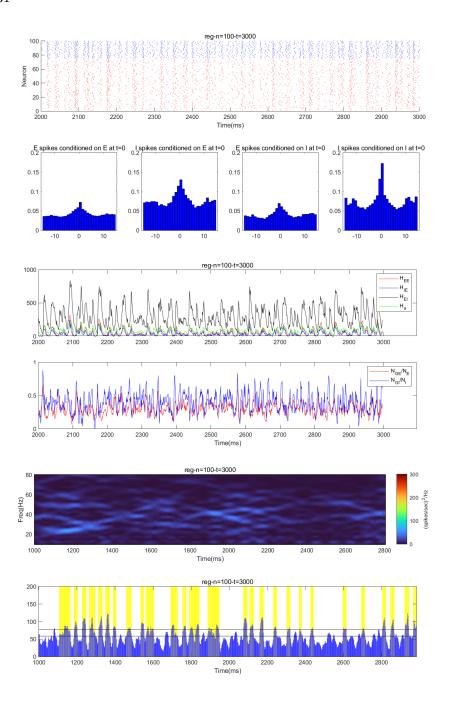
• E-firing rate: 34.4 spikes/s, I-firing rate: 70.1 spikes/s



1.2 Reg

Statistics:

• E-firing rate: 39.0 spikes/s, I-firing rate: 73.7 spikes/s

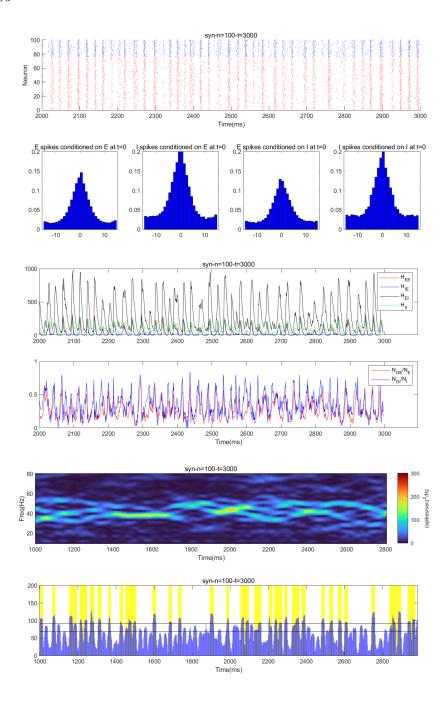


1.3 Syn

Statistics:

 \bullet E-firing rate: 42.1 spikes/s, I-firing rate: 73.2 spikes/s

• SSI: 0.95

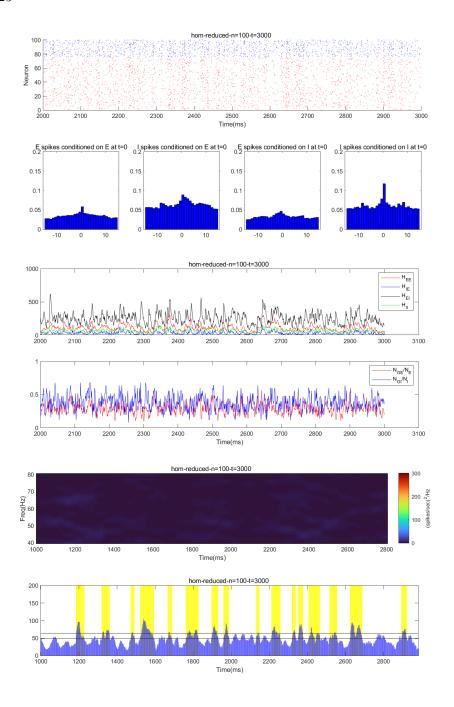


2 Results of reduced models

2.1 Hom

Statistics:

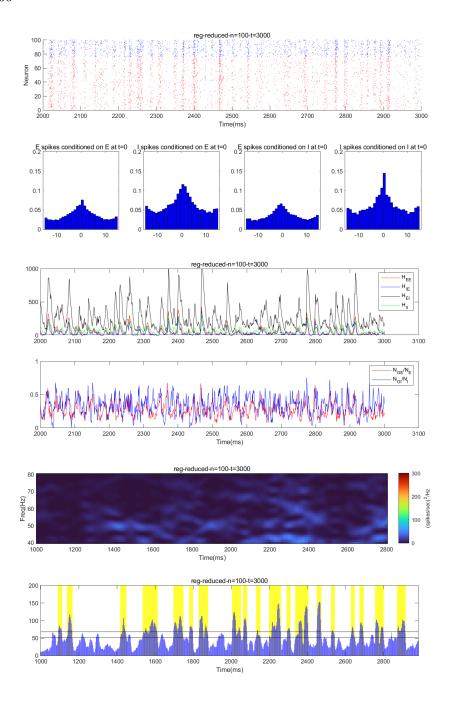
 \bullet E-firing rate: 31.6 spikes/s, I-firing rate: 58.3 spikes/s



2.2 Reg

Statistics:

• E-firing rate: 34.1 spikes/s, I-firing rate: 61.8 spikes/s

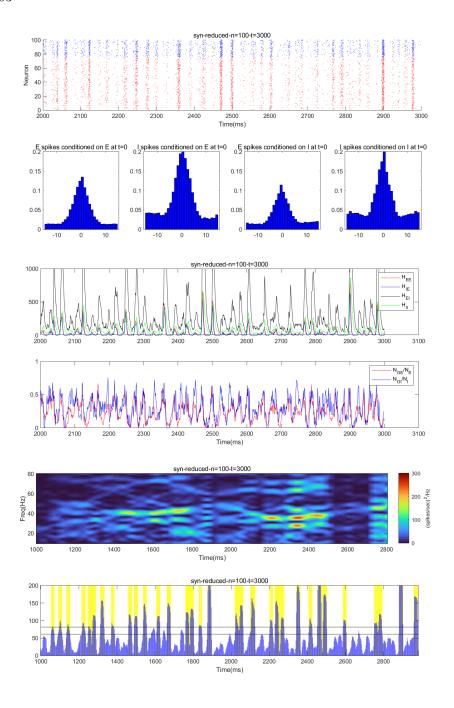


2.3 Syn

Statistics:

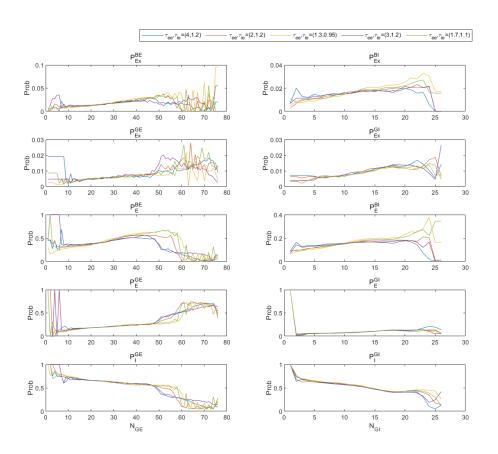
 \bullet E-firing rate: 45.1 spikes/s, I-firing rate: 83.2 spikes/s

• SSI: 1.03



3 Other results

3.1 P versus varying tau



3.2 P versus different bar

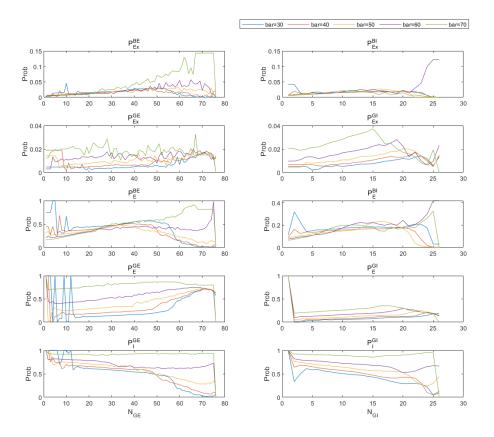


Figure 1: Hom

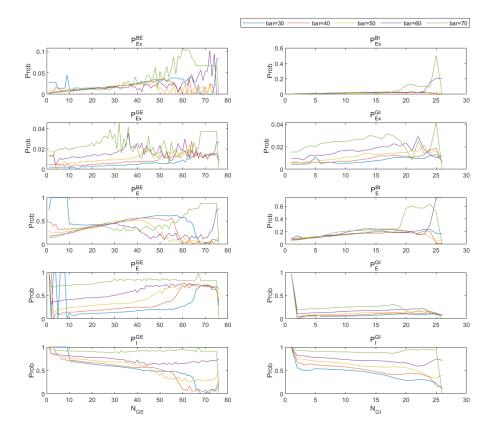


Figure 2: Reg

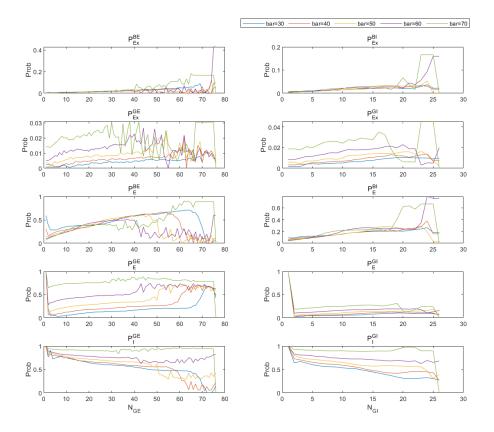


Figure 3: Syn

3.3 MFE frequency versus $\lambda(\text{input})$ in reduced model

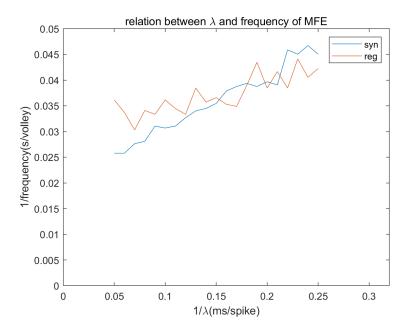


Figure 4: frequency of MFE and λ