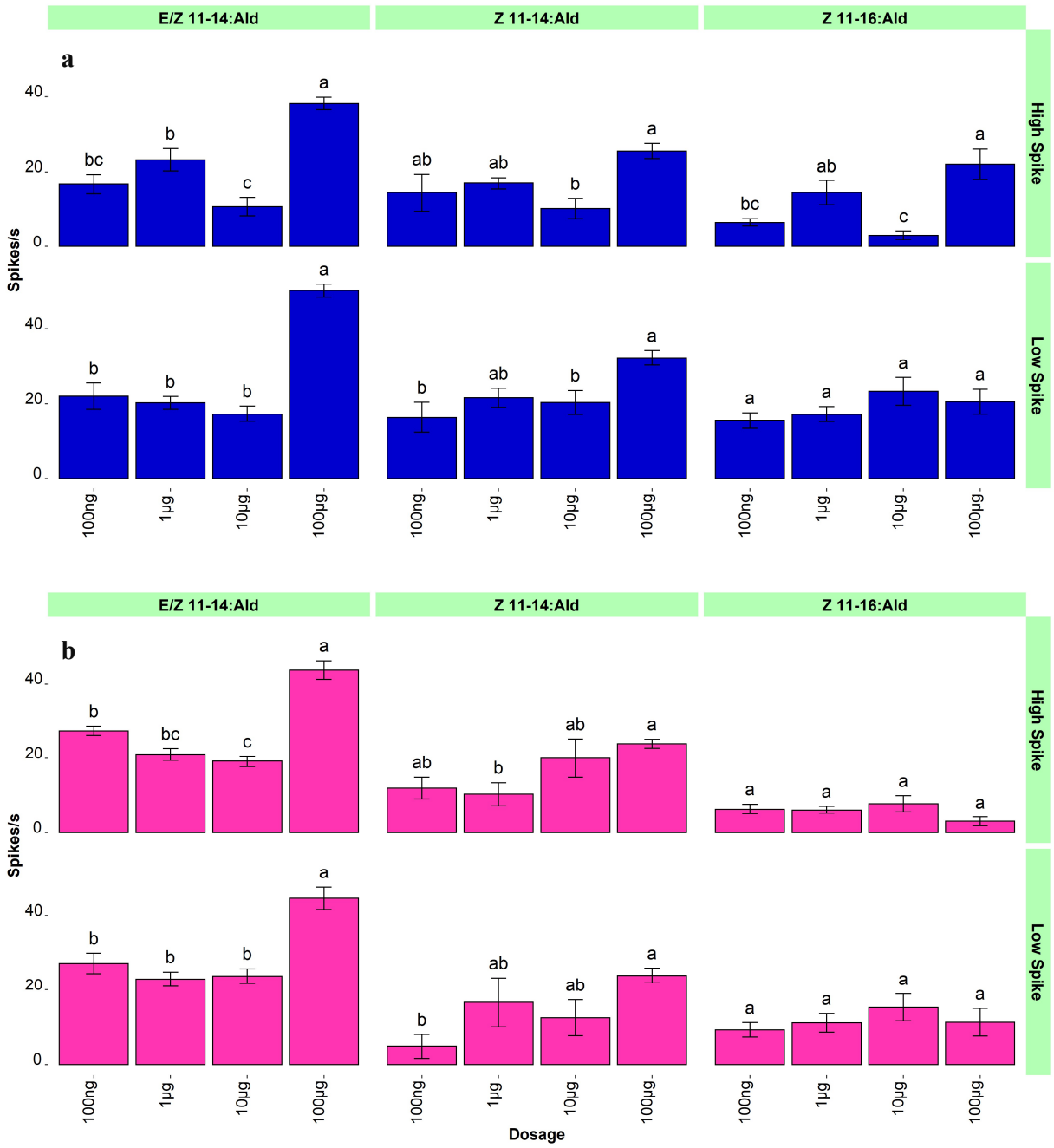


Figure S1. Comparison of responses between dosage in low and high amplitude spiking neurons housed in trichoid sensilla in *Choristoneura fumiferana* grouped by female sex pheromone components in males (a) and females (b). Bars represented by different letters indicate significant differences between dosage ($P < 0.05$).

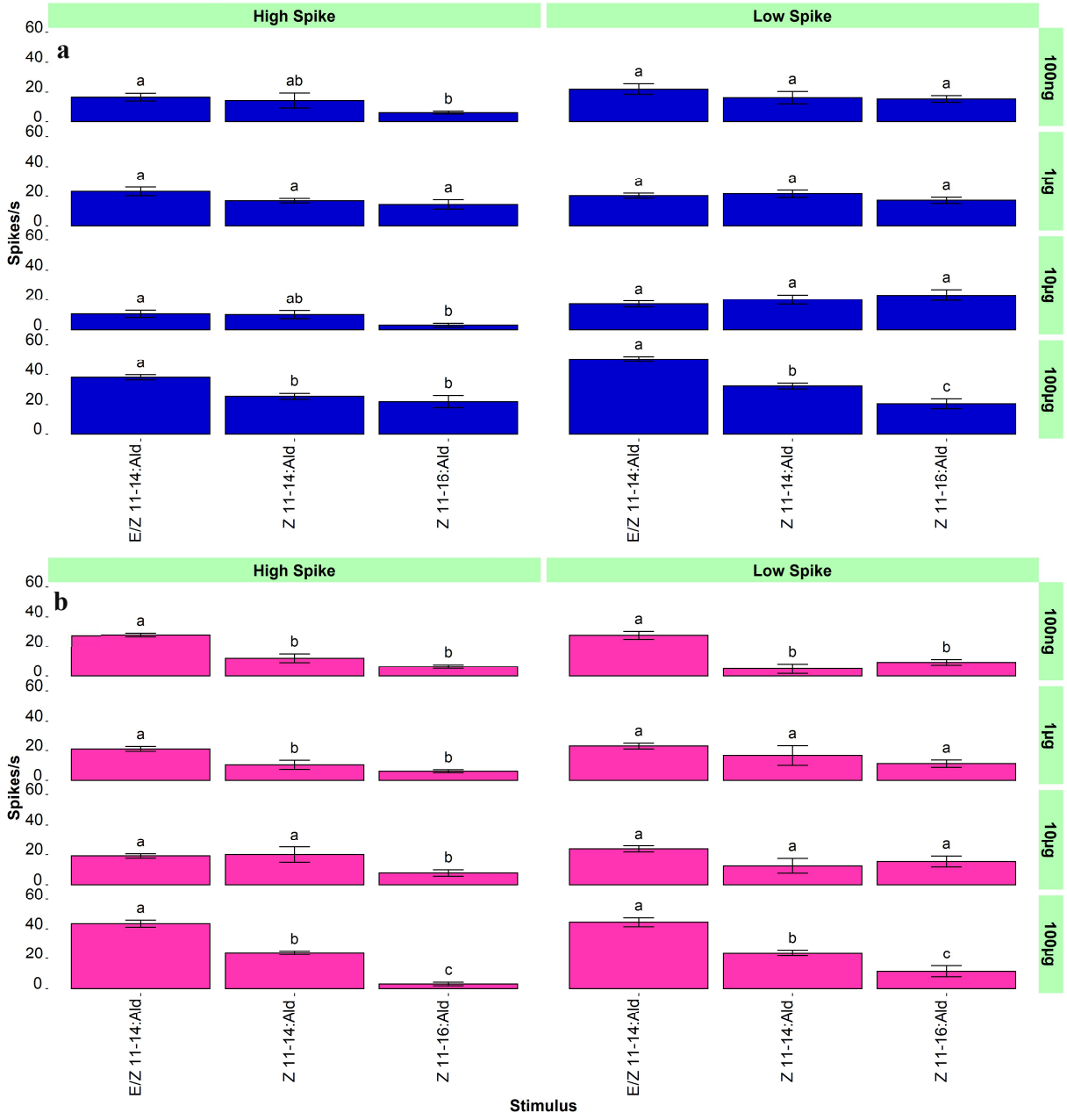


Figure S2. Comparison of responses between female sex pheromone components in low and high amplitude spiking neurons housed in trichoid sensilla in *Choristoneura fumiferana* grouped by dosage in males (a) and females (b). Bars represented by different letters indicate significant differences between female sex pheromone components ($P < 0.05$).

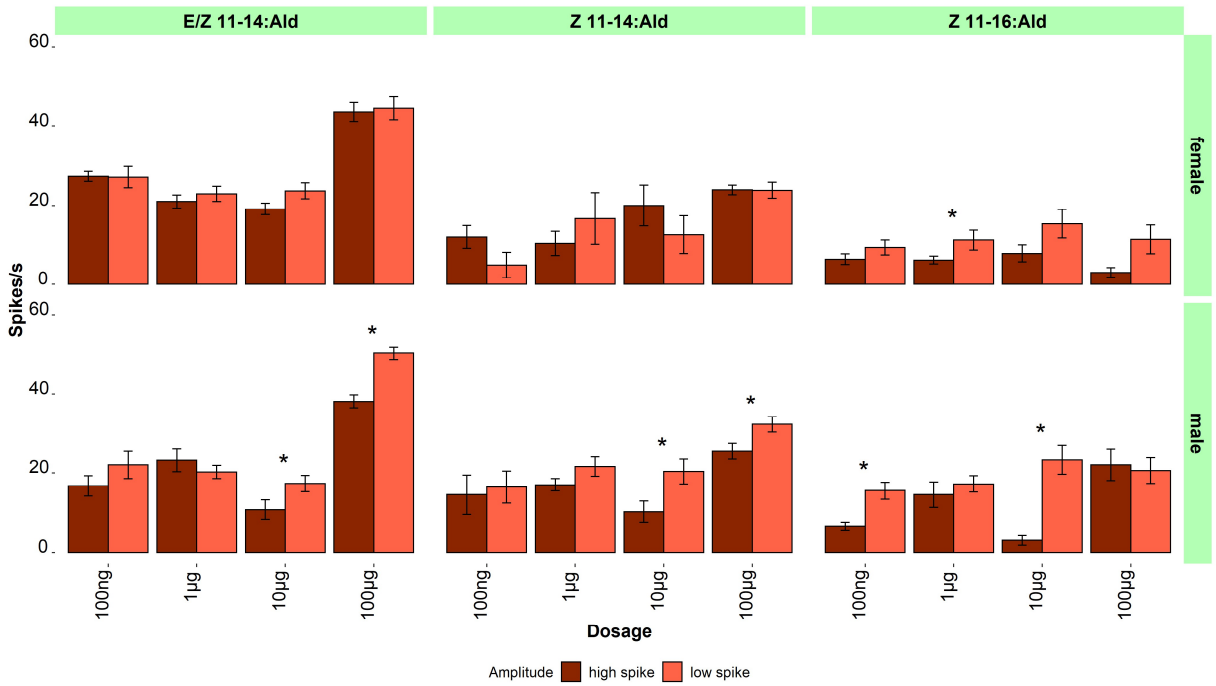


Figure S3. Comparison of responses between low and high amplitude spiking neurons housed in trichoid sensilla in *Choristoneura fumiferana* grouped by female sex pheromone component and a dosage in males and females. Bars represented by asterisks indicate significant differences between low and high spike amplitudes ($P < 0.05$).

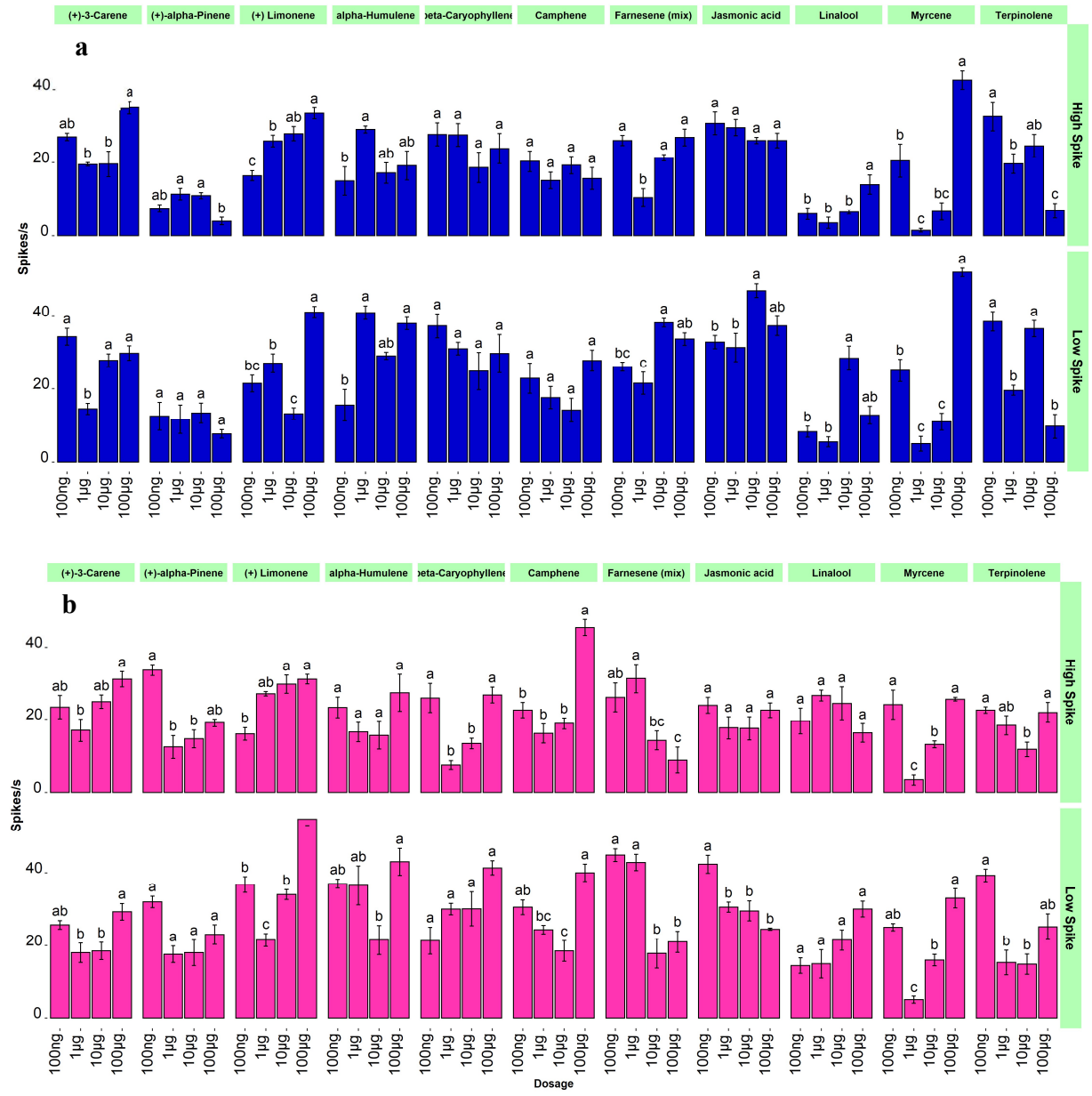


Figure S4. Comparison of responses between dosage in low and high amplitude spiking neurons housed in trichoid sensilla in *Choristoneura fumiferana* grouped by host plant volatiles in males (a) and females (b). Bars represented by different letters indicate significant differences between dosages ($P < 0.05$).

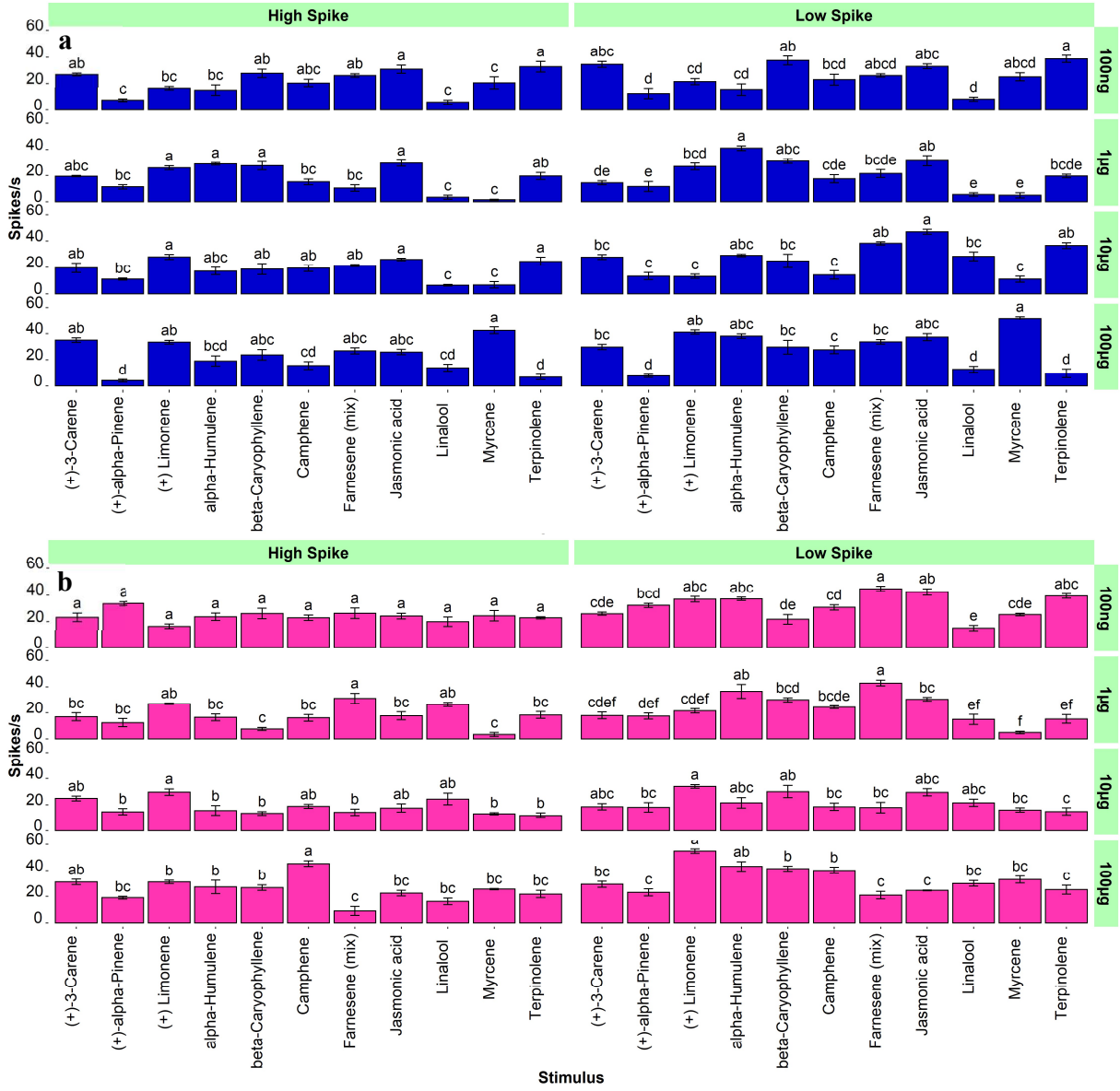


Figure S5. Comparison of responses between host plant volatiles in low and high amplitude spiking neurons housed in trichoid sensilla in *Choristoneura fumiferana* grouped by dosage in males (a) and females (b). Bars represented by different letters indicate significant differences between female sex pheromone components ($P < 0.05$).

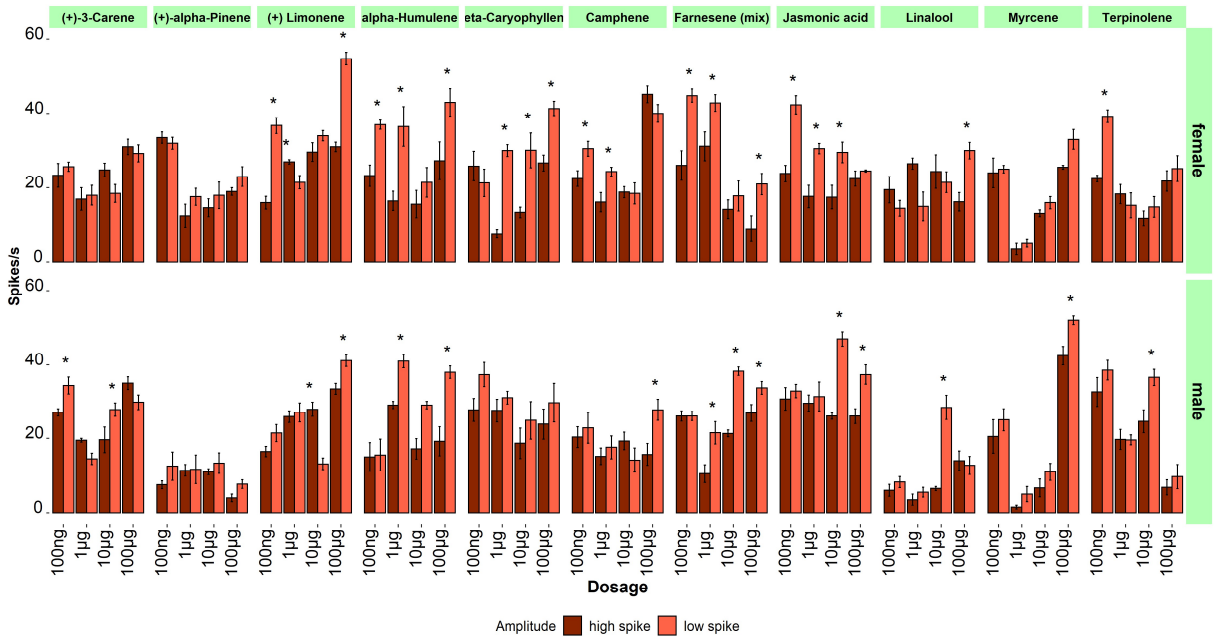


Figure S6. Comparison of responses between low and high amplitude spiking neurons housed in trichoid sensilla in *Choristoneura fumiferana* grouped by host plant volatile and a dosage in males and females. Bars represented by asterisks indicate significant differences between low and high spike amplitudes ($P < 0.05$).

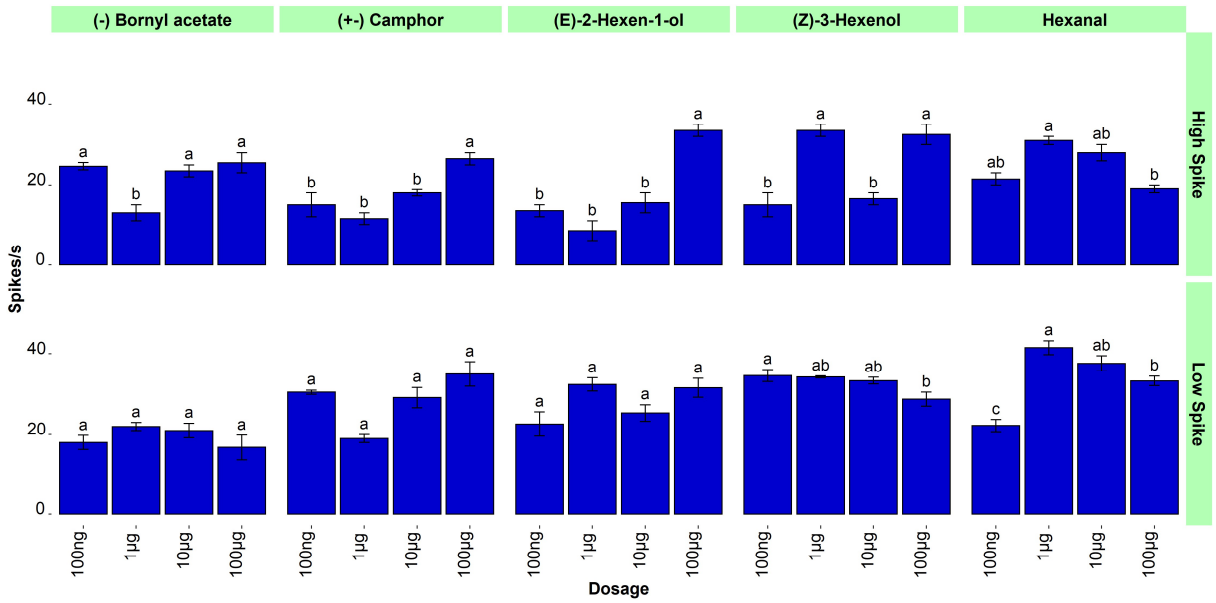


Figure S7. Comparison of responses between dosage in low and high amplitude spiking neurons housed in trichoid sensilla in *Choristoneura fumiferana* grouped by host plant volatiles in males. Bars represented by different letters indicate significant differences between dosage ($P < 0.05$).

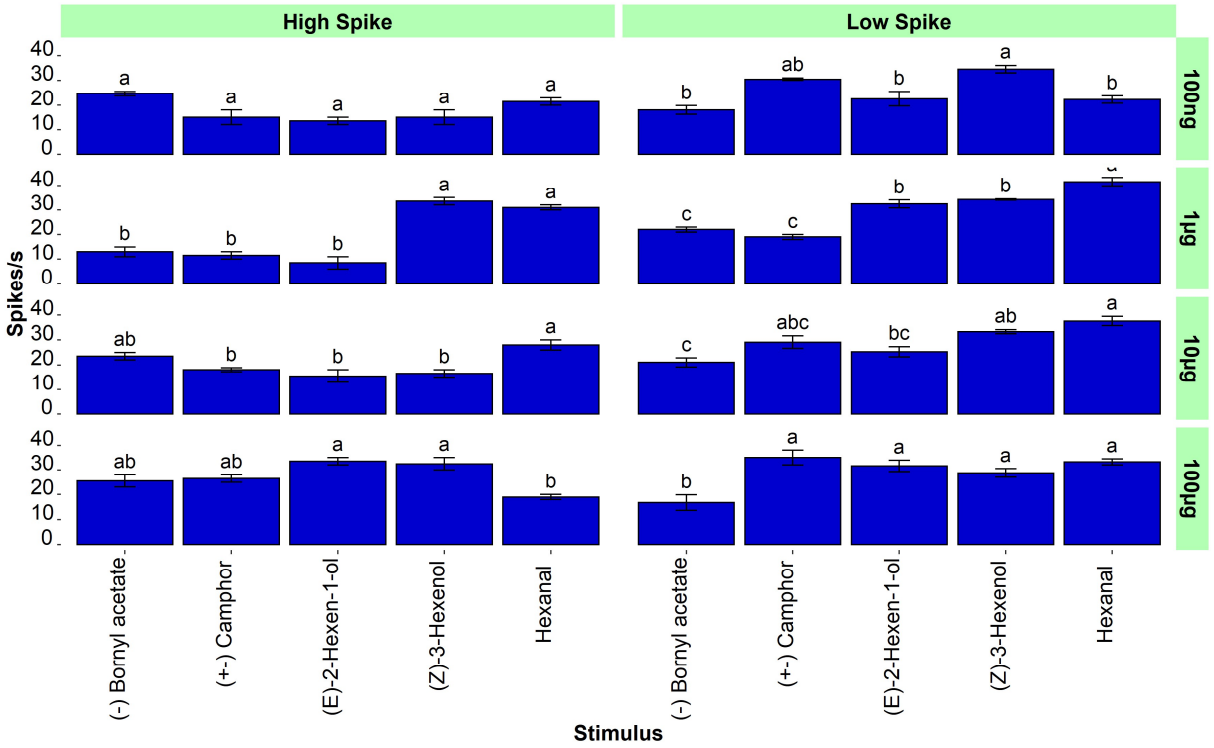


Figure S8. Comparison of responses between host plant volatiles in low and high amplitude spiking neurons housed in trichoid sensilla in *Choristoneura fumiferana* within a dosage in males. Bars represented by different letters indicate significant differences between female sex pheromone components ($P < 0.05$).

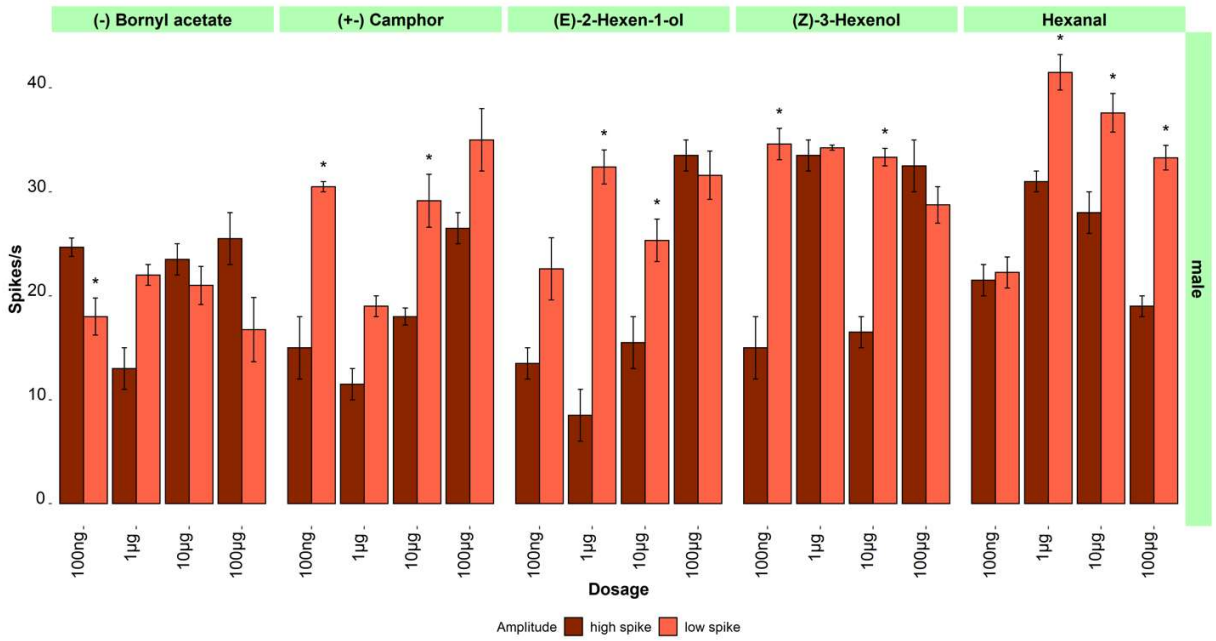


Figure S9. Comparison of responses between low and high amplitude spiking neurons housed in trichoid sensilla in *Choristoneura fumiferana* within a host plant volatile and a dosage in males. Bars represented by asterisks indicate significant differences between low and high spike amplitudes ($P < 0.05$).