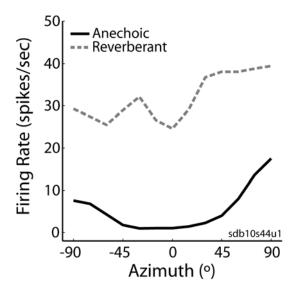
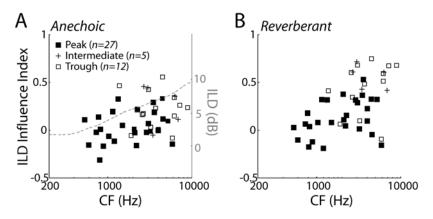
## **Supplementary Figures**



**Supplementary Figure 1.** Example of a high-CF (4900 Hz)  $ITD_{env}$ -sensitive IC neuron with a misleading relative range.



## **Supplementary Figure 2.**

ILD influence index as a function of CF obtained using A, anechoic and B, reverberant ITD+ILD stimuli, with symbols coding the ITD tuning shape groups. At high CFs, the ILD influence index tends to be larger in trough- and intermediate-type neurons than in peak-type neurons, especially in the reverberant condition where the influence of ILD is more pronounced.