



Supplementary Figure 5. Examples of phase-locking of LC neurons to hippocampal theta (filtered 5-10 Hz) and prefrontal delta (filtered 1-4 Hz) rhythms. A and B are two different neurons from two different rats. Same format as Figure 2. A) Hip theta: $p=2.6E-4$ (Rayleigh test), resultant vector $\phi=4.6$ radians; Pfc delta: $p=4.2E-15$ (Rayleigh test), $\phi=0.5$ radians, B) Hip theta: $p=6.2E-5$ (Rayleigh test), $\phi=5.1$ radians; Pfc delta: $p=7.4E-8$; $\phi=3.1$ radians.