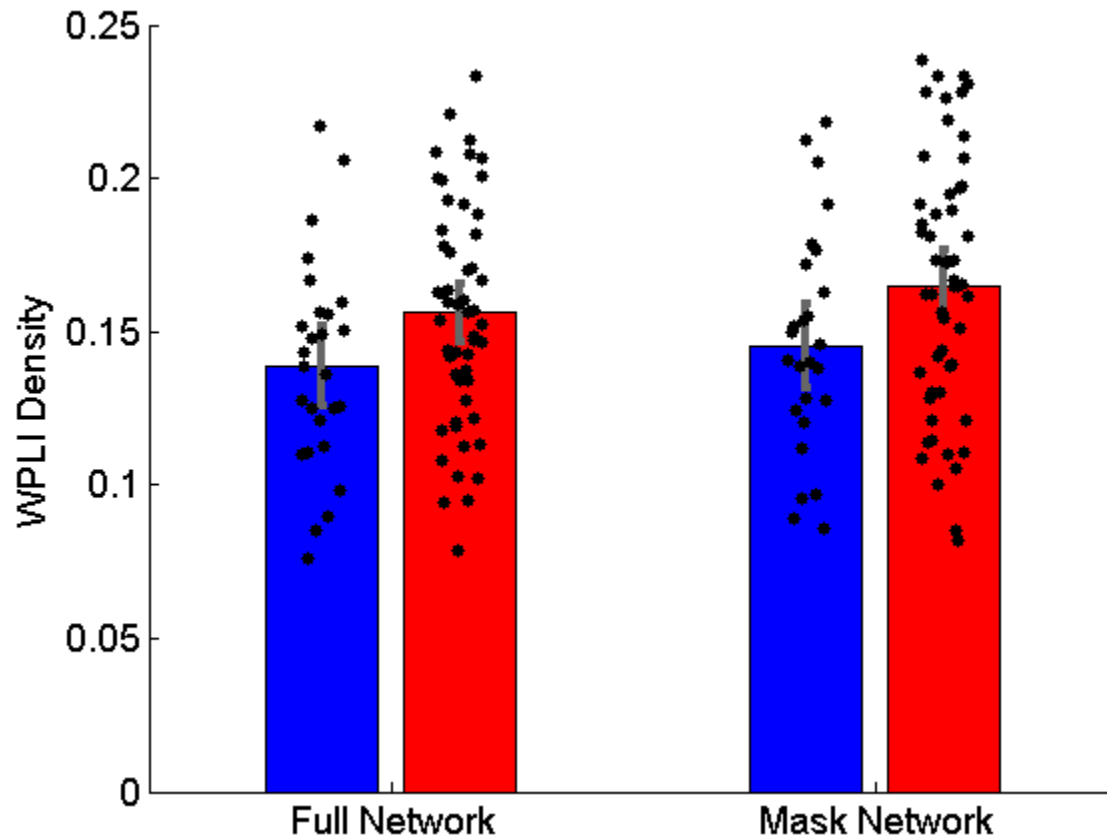


### WPLI Analysis



**Supplementary Fig 2. Application of the weighted phase-lag index produces similar density results.** WPLI analysis on the alpha frequency range (8-12 Hz). (Left) Full network density of ASD (blue) and control (red) groups is not significantly different ( $p > 0.1$ ). (Right) Mask density reveals a significant difference ( $p=0.036$ ) between the ASD group (blue) and the control group (red).