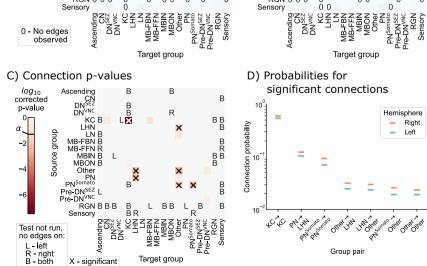
## A) Group connection test methods Estimate group Compare probabilities. Combine p-values for overall test Group neurons connection probabilities compute p-values $\hat{B}^{(L)}$ p-values Source group $\hat{B}_{12}^{(L)}$ group p<sub>12</sub> Left Source ç ÷ Target group Target group $\hat{B}^{(R)}$ $p_{11}$ $p_{32}$ $p_{33}$ $\hat{B}_{12}^{(R)}$ Source group $=B^{(R)}$ $H_0: B^{(L)}$ $\neq B^{(R)}$ $H_{\Delta}: B^{(L)}$ $H_A: B_{ii}^{(L)}$ Target group B) Group connection probabilities right left Estimated Ascending 0 Ascendina 0 edge probability $DN^{VNC}$ $DN^{VNC}$ ŏ 0.6 KC 0 0.0 KC 0 0 0.0 LHN LN LN 0 MB-FBN 0 MB-FBN 0.4 MB-FFN 0 MB-FFN 0 0 0 0 MBIN 0 MBIN 0 MBON 0 MBON 0 Other Other 0.2 PNSomato PNSomato 0 0 Pre-DNSEZ 0 Pre-DN<sup>SEZ</sup> 0 0 Pre-DNVNC Pre-DN<sup>VNC</sup> RGN 0 0 0 RGN 0 0 0



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