



S4 Fig. Network average values of C_{λ}^{trans} (left panel) and C_{λ}^{info} (middle panel) as a function of λ . Node medians across all subjects are shown for 22, 55, 110, and 165 *privileged nodes* (corresponding to 10%, 25%, 50% and 75% of the network's nodes) that are selected according to betweenness centrality ranking (yellow line), strength ranking (purple line), shortest-path-based closeness centrality (green line), and random-walk-based closeness centrality (blue line). For comparison purposes, we also show cost measures for randomly sampled nodes (red line). The dotted lines show C_{λ}^{trans} and C_{λ}^{info} , respectively, for the case in which all nodes' routing strategies are biased (i.e. 100% privileged nodes). Right panel shows node stretch distributions for the different sets of privileged nodes and centrality rankings. Black markers indicate the median of the distributions.