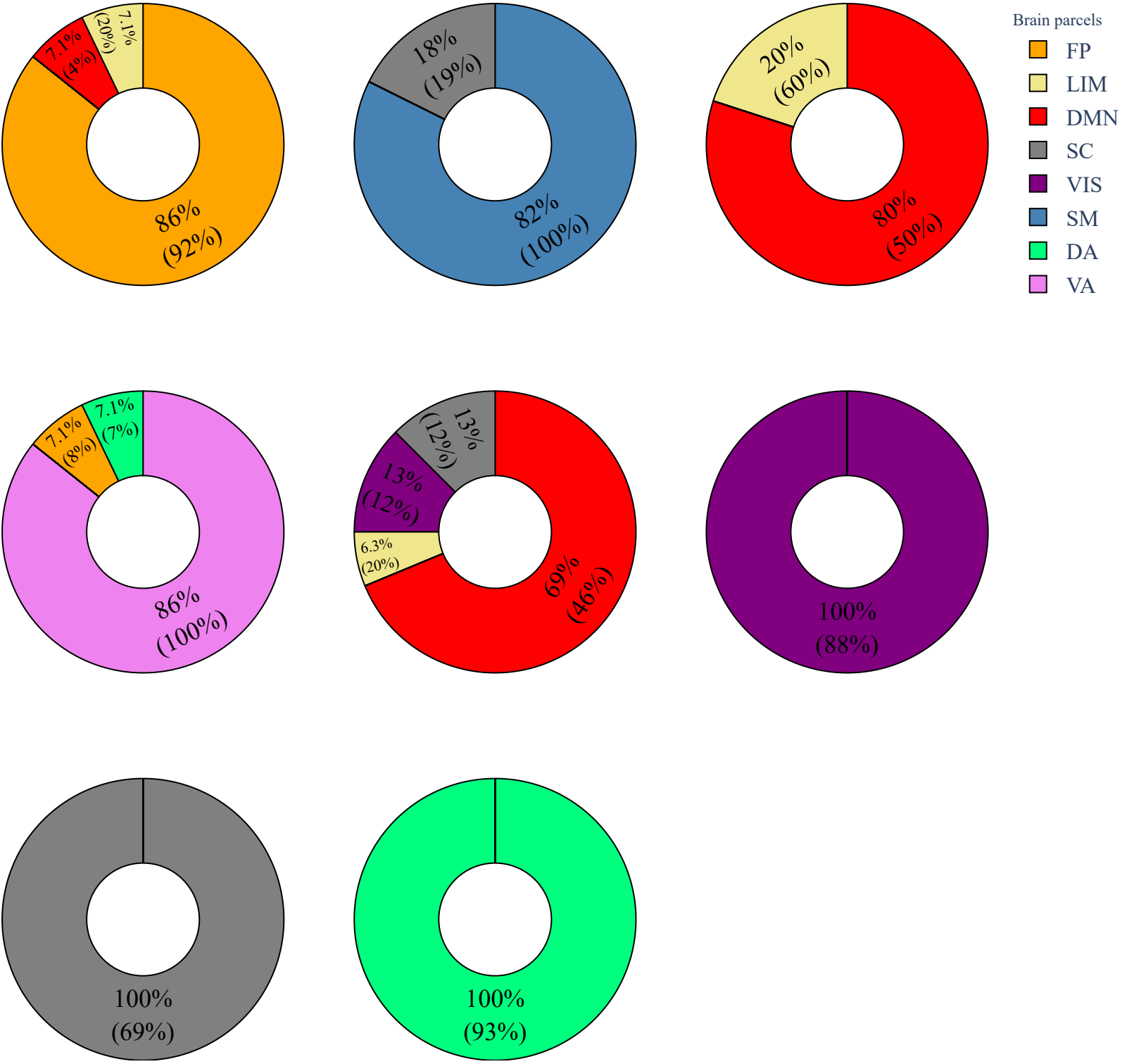Nodes distribution of the DANMF clustering model of the brain graph $\mathcal{G}$