

**Table S1. Topological properties of PPI networks.**

	Number of nodes	Number of edges	Size of LCC	Number of connected components	LCC diameter	LCC mean distance
<b>Original PPI network</b>	16181	364969	15767	152	15	3.955
<b>Cx43</b>	12800	267375	12401	271	13	3.862
<b>Gad2</b>	12636	264921	12248	273	13	3.852
<b>vGluT2</b>	12557	259357	12160	286	13	3.866