

**Table S6: Protein sequence features of young hubs and young non-hubs.**

Category	Protein Length (Median)	Low Complexity (%, Median)	Long_Disorder (%, Median)	Short_Disorder (%, Median)
<b>Hubs</b>	395	6.26%	13.67%	14.62%
<b>Non-hubs</b>	436.5	4.12%	6.99%	10.47%

**Note:** Genes (proteins) with minimum interaction degree 6 (medium connectivity) were defined as hubs, the remaining nodes as non-hubs.