Table S9. Spearman correlation of participation coefficient for orthologs between species.

networks 1 and 2	ρ	p-val	empirical p-val
Fly and Human-all	0.19	9e-04	< 0.001
Yeast-hq and Athal	0.18	0.2	0.090
Yeast-all and Athal	0.15	0.1	0.043
Athal and Human-all	0.09	0.2	0.105
Athal and Human-hq	0.11	0.2	0.093
Yeast-hq and Fly	0.03	0.8	0.391
Yeast-all and Fly	-0.03	0.8	0.395
Athal and Fly	0.02	0.9	0.436

Participation coefficient correlation analysis for hubs in pairs of networks: Spearman's rho, corresponding p-value, empirical p-value for 1000 random permutations of participation coefficient values among hubs. Correlations with absolute value above 0.1 and both p-values < 0.05 are shown in bold. See main text and **Materials and methods** for details.