	Num Complexes	Num Complexes with Higher	Empirical
	Tested	Avg Essential Degree	p-value
$oxed{Pull-down^f}$	42	28 (66.67%)	0e+00

Table S 15. Within each essential protein complex, essential bait proteins tend to have a higher average intracomplex degree than non-essential bait proteins. Num Complexes Tested gives the number of complexes considered in each of the two networks excluding small-scale experiments; each such complex was required to have at least two essential bait proteins and at least two non-essential bait proteins, each with intracomplex interactions. Num Complexes with Higher Avg Essential Degree gives the number of complexes among the tested complexes where the essential bait proteins have higher intracomplex degree on average than the non-essential bait proteins. To determine whether this number is significant, we randomly permuted essentiality assignments and computed the number of complexes with higher average intracomplex degrees for essential bait proteins. Empirical p-value gives the fraction of random permutations where the number of such complexes is greater than or equal to the actual number, computed over 10,000 permutations.