(u) i rotom comptenes		
Odd-score cutoff	# Cross-talks	SRCC (p-value)
1.5	641	0.3985 (2e-16)
2	535	0.3917 (1e-15)
3	311	0.3363 (9e-12)
4	189	0.2845 (1e-08)
5	125	0.2764 (3e-08)

(a) Protein complexes

(b) Filtered biological processes

()		
Odd-score cutoff	# Cross-talks	SRCC (p-value)
1.5	2400	0.3910 (1e-15)
2	1409	0.3866 (2e-15)
3	293	0.2705 (6e-08)
4	62	0.1747 (5e-04)
5	26	0.1437 (4e-03)

Table S 7. The significant correlation between cross-talk degree and binary module essentiality persists for a range of odd-scores in the *Pull-down* network for (a) protein complexes and (b) filtered biological processes. Odd-score cutoff gives the minimum odd-score for a module pair to be considered a cross-talk. # Cross-talks gives the number of cross-talks at each cutoff. SRCC (p-value) gives the Spearman's rho rank correlation coefficient between cross-talk degree and binary module essentiality. For larger odd-score cutoffs, there are fewer cross-talks and this results in somewhat lower SRCC values.