Programs	Version	Brief description	Experimental techniques	Web server	References
	information				
HPRD	Release 9,	A database containing human protein-protein	Yeast two-hybrid, mass spectrometry,	http://www.hprd.org/	[15]
	released on	interaction data manually extracted from public	immunohistochemistry, coimmunoprecipit		
	April 13,	literature and curated by expert biologists.	ation, peptide/protein array, fluorescence		
	2010		microscopy, and western blot.		
DIP	July 2004	This data catalogs protein-protein interactions	High-throughput technologies such as	http://dip.doe-mbi.ucl	[16]
	release,	with experimental evidence curated manually	large-scale yeast two-hybrid screens,	a.edu/dip	
	updated on	by expert curators and also automatically using	protein microarray, and mass		
	Jan 31, 2013	computational approaches.	spectrometric analysis of affinity purified		
			protein complexes.		
IntAct	Release 165,	An open-source, open data molecular	Mass spectrometry-based affinity	http://www.ebi.ac.uk/i	[17]
	updated on	interaction database populated by data either	proteomics, and other techniques.	ntact	
	Jun 2013	curated from the literature or from direct data			
		depositions.			
HomoMINT	September	A tool extending experimentally verified	High throughput approaches based on the	http://mint.bio.unirom	[18]
	2001 release,	protein interactions with its accuracy accessed	yeast two hybrid, TAP TAG methods, and	a2.it/HomoMINT	
	updated on	by experimental interactome, protein networks,	genome-wide approaches.		
	2004	and sharing of Gene Ontology annotation.			
BioGRID	Version	Database containing genetic and physical	Luminescence, mass spectrometric	http://thebiogrid.org/	[19]
	3.2.99,	interaction data from many sources, including	methods, two-hybrid, co-fractionation,		
	updated on	several genome/proteome-wide studies, the	co-purification, co-crystal structure,		
	April 1, 2013	MIPS database, and BIND.	fragment complementation assay, and		
			immunoprecipitation.		

Table S1. Overview of the five online protein interaction databases used in our study.