

Supplementary Table 2. Evidence of functional association and methods to compute feature values.

Feature	Data source (link) / Data set		Statistics
Shared Annotation	GOC (http://geneontology.org/docs/download-go-annotations/)	Cellular component Biological process Molecular function	Maximum Shared Annotation Score
Homologous Interactions	Inparanoid Score (http://inparanoid.sbc.su.se)		Maximum
Domain Interaction	IDDI (http://pcode.kaist.ac.kr/iddi/) Pfam (http://pfam.xfam.org/)	3DID	Maximum Shared Domain Score
		IPFAM	
		PINS	
		TW	
		HIMAP	
		DOMAINGA	
		PVALUE	
		IPPRI	
		RCDP	
		DIPD	
		RDFF	
		DPEA	
		ME	
		PE	
		DIMA_STRING	
		KGIDDI	
		LLZ	
		GPE	
		DIMA_DPROF	
		APMM	
		TOPDOWN	
		DIMA_DPEA	
		INTERDOM	
Co-localization	Compartments (https://compartments.jensenlab.org/)	Knowledge channel Experiments channel Text mining channel Predictions channel	Cosine Similarity Score
Co-expression	COXPRESdb (https://coxpresdb.jp/)	Microarray RNASeq	Pearson's Correlation Score
Phylogenetic Profile	DIOPT (http://www.flyrnai.org/diopt)		Mutual Information Score Pearson's Correlation Score Tanimato Correlation Score