SUPPLEMENTARY MATERIAL

Prediction of Drug-Target Interactions and Drug Repositioning via Network-Based Inference

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Table S1 Statistic of all known drug-target interactions network used in this study.

data set	enzyme	ion channel	GPCRs	nuclear receptor	Approved	Global
N_d	445	210	223	54	1,120	4,398
N_t	664	204	95	26	1,112	3,801
N_i	2,926	1,476	635	90	2,988	12,483
Sparsity (%)	1.02	3.45	3.0	6.41	0.24	0.075

N_d is the number of the drugs, N_t is the number of the targets, N_i is the total number of the drug–target interactions, and sparsity is the proportion of the known drug-target interactions over all the possible interactions, approved: data set of approved small molecular drugs in DrugBank, global: data set of approved and experimentally investigated small molecular drugs in DrugBank.