

**Table S4. Evaluation of the predicted interactions in different datasets.**

DataSet	Coverage	Reliability
HPRD	21.79%	43.62%
HI-III	1.07%	1.24%
HIPPIE	88.46%	10.28%
<b>HIR V2</b>	<b>32.48%</b>	<b>57.04%</b>
STRING	78.63%	1.66%
UniHI	91.24%	36.85%