

Additional file

Table S1: The Physical PPIs in Sperm-Egg Interaction Network

Feature Category	Database	No. of Interactions
Physical Interaction	DIP	7
	BIND	33
	HPRD	172
	IntAct	13
	MINT	9
	MIPS	6
	APID	230
	BioGRID	138
Total:		239

Table S2: The Functional and Predicted PPIs from GeneMANIA Database in Sperm-Egg Interaction Network

Feature Category	Reference	Number of PPI
Co-expression	Gene Expression Omnibus (GEO) (Barrett et al., 2013)	793
Genetic interaction	BioGRID (Stark et al., 2006)	333
Co-localization	Gene Expression Omnibus (GEO) (Barrett et al., 2013), Gene-Ontology (GO) (Carbon et al., 2009)	190
Pathway	Reactome (Vastrik et al., 2007), BioCyc (Karp et al., 2005), PathwayCommons (Cerami et al., 2011)	224
Shared protein domains	InterPro (Apweiler et al., 2000), SMART (Letunic et al., 2012), Pfam (Bateman et al., 2004)	178
Total:		1399