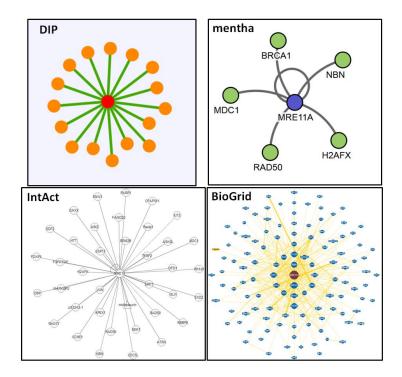**Supplementary figure 1. The query results of different resources are quite different using the human MRE11 gene as example.** We queried DIP, mentha, BioGrid and IntAct for interaction data with human gene MRE11 (MRE11 homolog, double strand break repair nuclease).

Supplementary figure 2. MIST supports mapping of cross-species interactions. A. We mapped all the mouse-human PPI from 2591 publications to human genes and compared with independent human-human PPI data. **B.** There is significant overlap between mouse-human and human-human interactions. The overlaps are enriched for highly conserved genes measured by DIOPT score.