

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: 2,594 membrane proteins used in our analysis.

File Name: Supplementary Data 2

Description: List of reported PPI-based predicted PPIs and reported PPIs of MPs

File Name: Supplementary Data 3

Description: Profiles of the meta-z-scores for reported PPI-based CaMPNets across 15 cancers.

File Name: Supplementary Data 4

Description: Profiles of the meta-z-scores for direct PPI-based CaMPNets across 15 cancers.

File Name: Supplementary Data 5

Description: List of reported PPI-based MPP communities and reported PPI-based MPP community-regulated pathways with prognostic associations in 15 cancer types.

File Name: Supplementary Data 6

Description: List of direct PPI-based MPP communities and direct PPI-based MPP community-regulated pathways with prognostic associations in 15 cancer types.

File Name: Supplementary Data 7

Description: 31,810 direct PPIs and scores for experimental methods used in our analysis.

File Name: Supplementary Data 8

Description: All plasmid sequences used in this study.