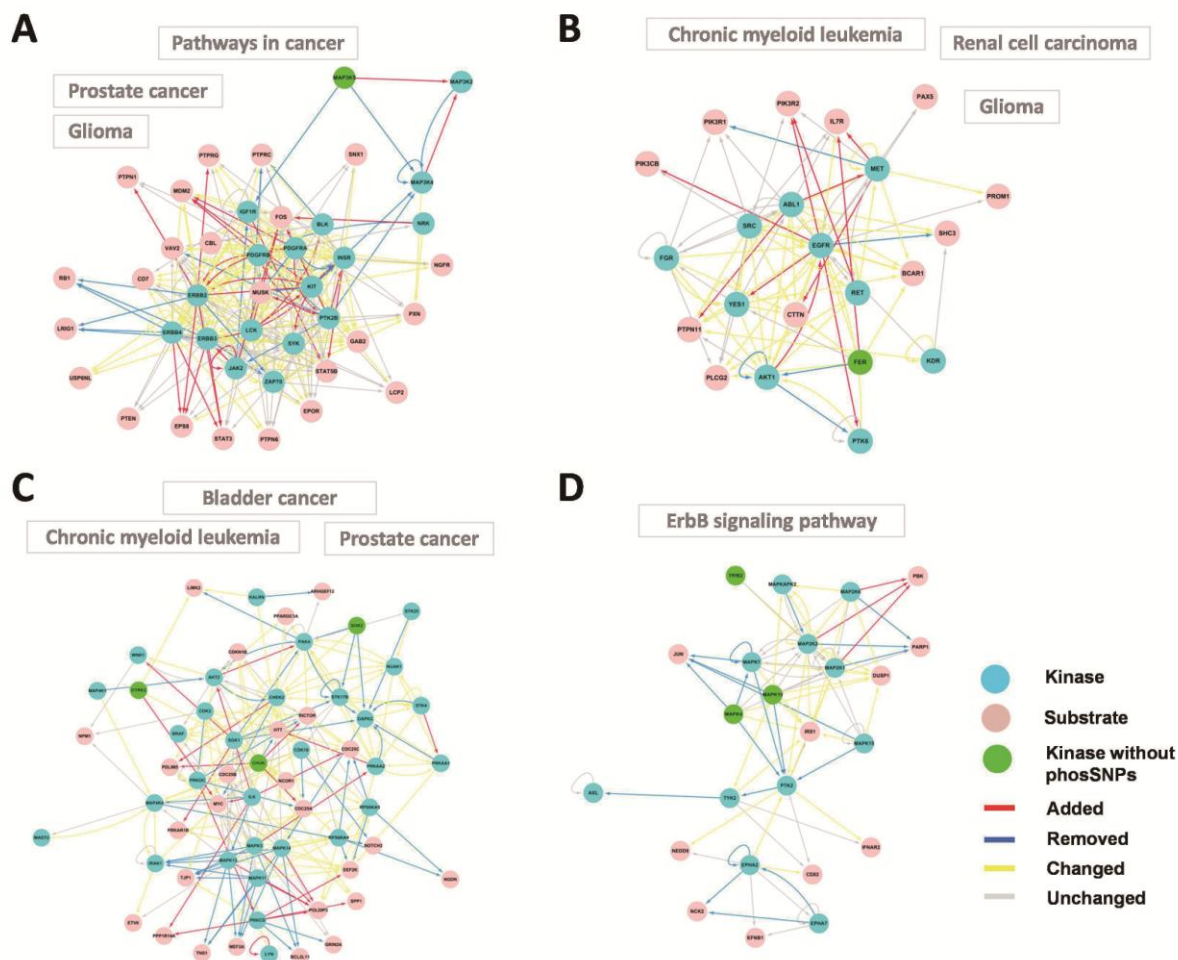
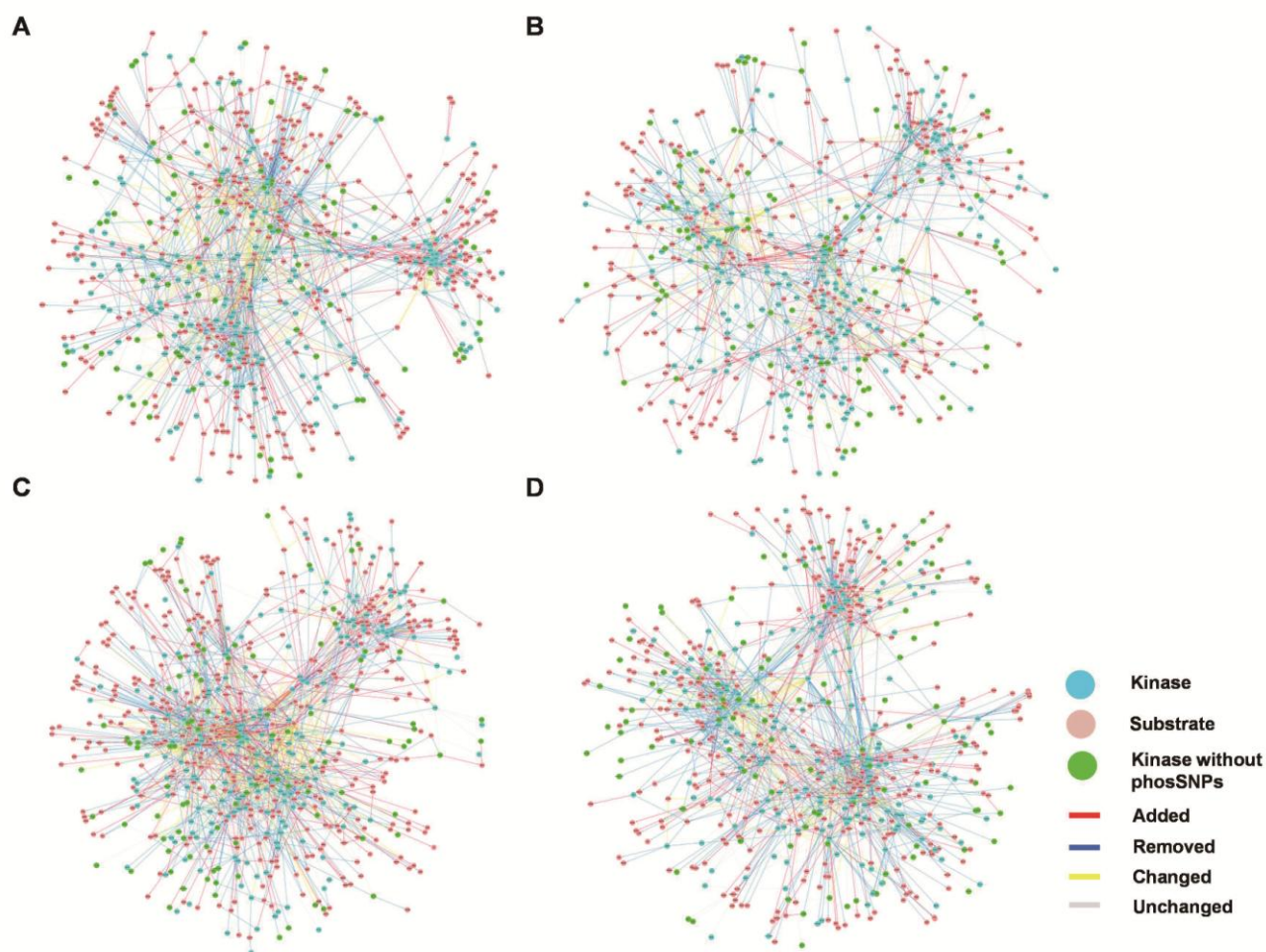


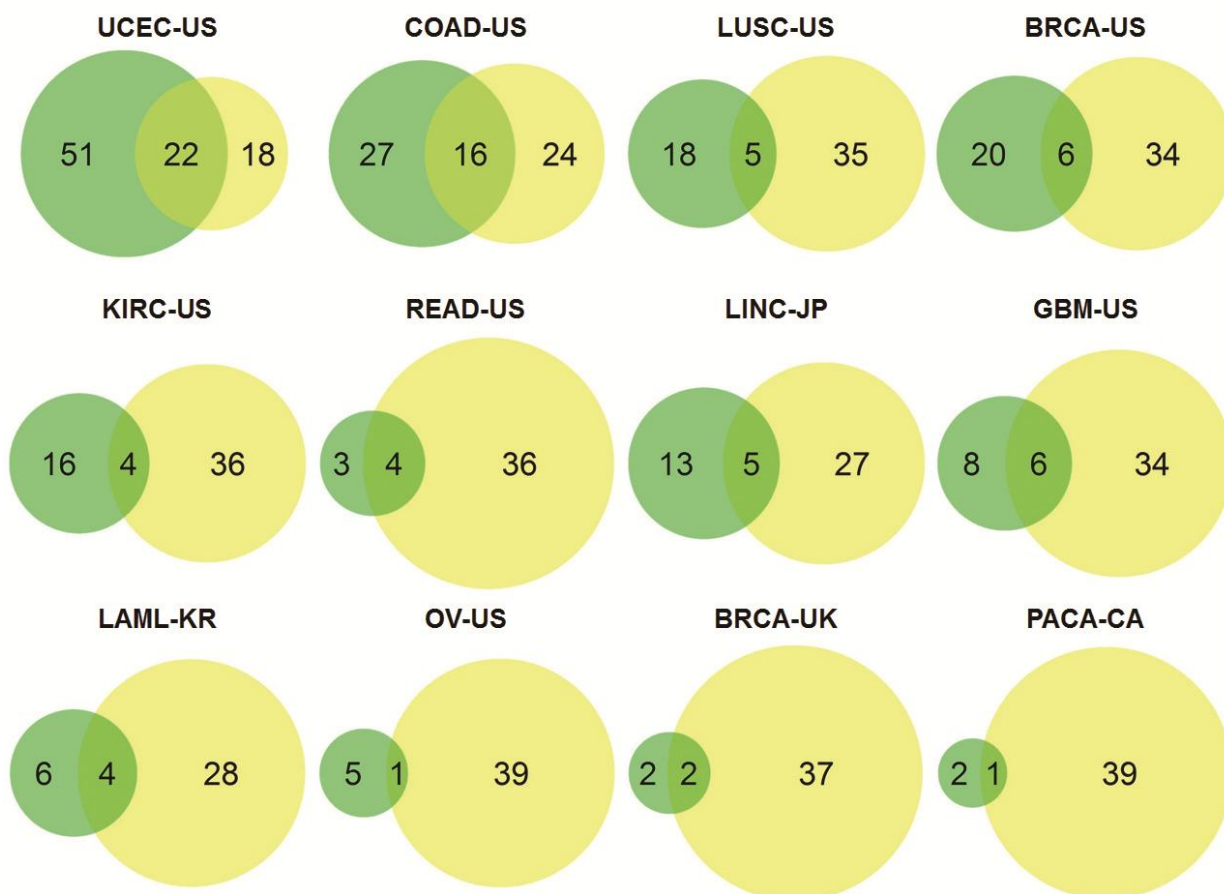
Supplementary Figures



Supplementary Figure S1 – Protein complexes in the human phosSNP-associated kinase-substrate network are highly involved in cancers. The network modules were detected by MCODE v1.32 (Bader and Hogue, 2003) using default parameters. The top 4 complexes with the highest scores were shown, while more of the details on the enrichment analysis of KEGG pathways of protein complexes are shown in Supplementary Table S5.



Supplementary Figure S2 – Four population-specific phosSNP-associated kinase-substrate networks for (A) AMR, (B) ASN, (C) AFR and (D) EUR, respectively. The data in the statistics are shown in Table 4.



Supplementary Figure S3 – The overlapping of known cancer genes in between phosSNP- (light yellow) and phosCM-containing (light green) proteins from different types of cancer samples.