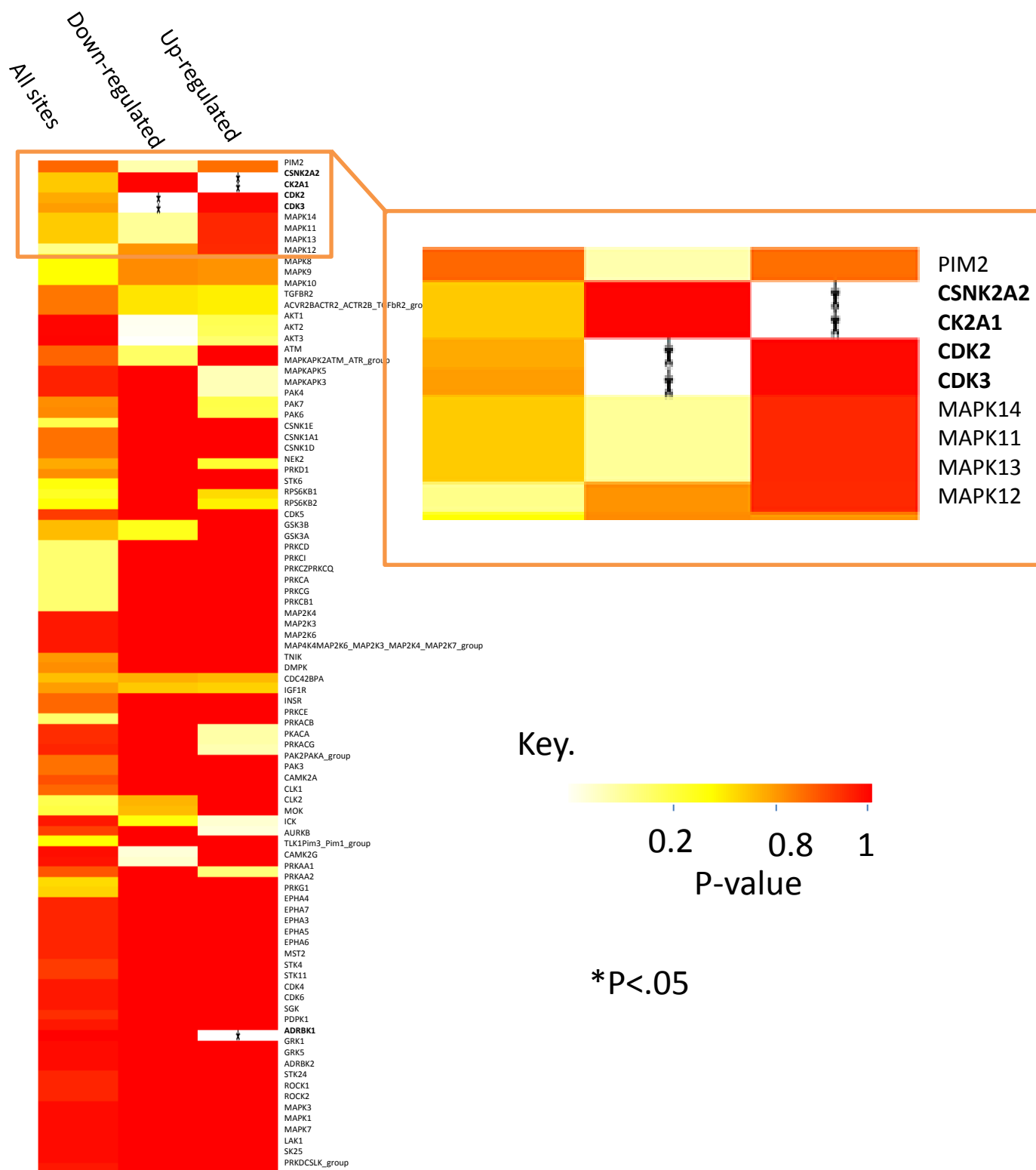




Sup. Figure 1. Phosphosite analyser output. Heat map of kinase set enrichment analysis (KSEA) using the program phosphosite analyser. The frequency of kinase-substrate relationships for two subsets of sites those **up-regulated** and those **down regulated** were compared to the frequency of **all sites** with assigned kinase substrate relationships. A hypergeometric test (Fisher's Exact test) was used to detect statistically significant P<.05 over representations of specific kinases associations.