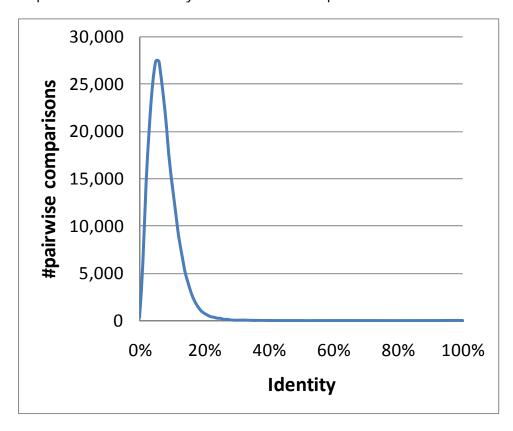
**Supplementary Figure 1** Histogram of pairwise sequence comparisons of the 704 protein sequences used in this study. The dataset consisted of highly non-redundant protein sequences as evidenced by the low levels of sequence identities.



**Supplementary Figure 2.** Comparison of Receiver Operator Characteristics (ROCs) for Phos3D and other commonly used phosphorylation site prediction programs applied to serine, threonine, and tyrosine sites as well as selected kinase-specific sites as indicated in the respective legends.

