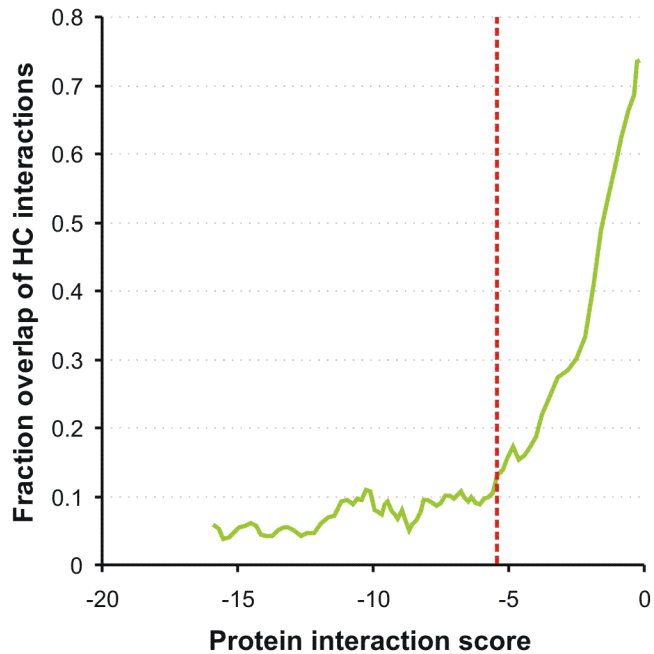
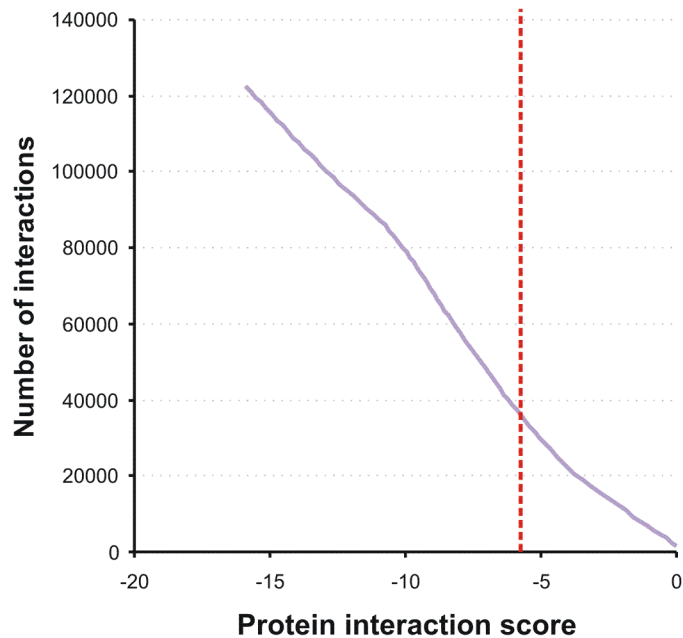


**a** Overlap of High Confidence interactions as function of score



**b** Number of Interactions as a function of score (not including High Confidence set)



**Supplementary Figure 3** Benchmark of protein interaction score. To assess the reliability of our protein interaction score a calibration curve was fitted, where protein interaction score is plotted against fraction overlap of High Confidence (HC) interactions. A near exponential correlation can be observed between overlap of interactions and confidence score above -5.5 (red dotted line) indicating this is the threshold for high quality interactions (red dotted line) **(a)**. The number of interactions in the network with a given interaction score (not including HC set) show that there are ~37,000 interactions scoring over -5.5 (red dotted line) **(b)**.