



S19 Fig. SIP patterns at different resolution (GM12878 HiChIP data) (A) The distribution of the number of significant interactions (log10 scale) for SIPs and non-SIPs, at 5kb resolution; (B) The distribution of the number of significant interactions (log10 scale) for SIPs and non-SIPs, at 10kb resolution; (C) The distribution of the median SIP score ($-\log_{10}$ MAPS q-value) of significant interactions for SIPs and non-SIPs, at 5kb resolution; (D) The distribution of the median SIP score ($-\log_{10}$ MAPS q-value) of significant interactions for SIPs and non-SIPs, at 10kb resolution.