



Additional file 10: Figure S8: Interactions between β globin promoters and specific regulatory elements can be identified in each simulated conformation. (A) Plot showing details of which promoters are interacting with the known regulatory elements within the LCR from the same set of simulations as presented in Figure 4. Each horizontal row represents a single simulated conformation, with a blue mark indicating there is an interaction with the element (an interaction is defined as any chromatin bead lying within the promoter being within 2.75 bead diameters of any chromatin bead within the regulatory element). The grouping of different types of structure according to the clustering analysis is indicated to the left; schematics and an individual contact map for each group are shown. (B) Plot showing in what proportion of conformations each of the promoters is interacting with one or more of the regulatory elements. The proportion of conformations in which either one of the β globin promoters is interacting with any of the elements is also indicated. (C) Histograms showing the distribution of the number of elements with which each promoter simultaneously interacts in a given conformation.