



Figure S2. Clustering of 30 top-ranked partner motifs from the Hocomoco human core collection [14] according to their abundance in CEs predicted with an overlap of anchor motifs. We left in analysis CEs containing the significant homology between an anchor and partner motifs. Panels A and B show results for CEs with more conserved anchor and partner motifs, respectively. For each panel the left/middle/right columns show the tree constructed according to motifs homology, names of TF families [13] and the distribution of the number of ChIP-seq datasets that contained respective significant CEs. Brown, green, red, orange, blue and aqua boxes mark NR1H3-like motifs from Thyroid hormone receptor-related factors (NR1){2.1.2} family, Jun-like (Jun-related factors{1.1.1}, Fos-related factors{1.1.2} and Maf-related factors{1.1.3}), Ets-like (Ets-related factors{3.5.2}), RFX-like (RFX-related factors{3.3.3}), p53-like (p53-related factors{6.3.1}) and GATA-like (Tal-related factors{1.2.3}) motifs, respectively. Totally, we included in analysis 119 ChIP-seq datasets for human TFs (see Materials and Methods).