Logos of motifs used in the main analysis

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Introduction

As described in the methods section of the main text, MEME was used to find the motifs of transcription factor binding sites and these motifs were then used to find the exact position of the binding sites in the sequences. Figures 1 to 17 give the logos of the motifs corresponding to the results shown in Table 2 of the main text. The notes to these figures give cross references to previous reports of these motifs. Logos have been drawn with Weblogo [1].

In those cases where the paper quotes results for these transcription factors for other cell lines—for example in Tables 3 and 5—the motifs have not been reported but are are very similar to those given here.
Figure 1: Logo of motif used for GABP — This motif corresponds to motif MA0062.2 in the core JASPAR collection [2].

Figure 2: Logo of motif used for NRSF — This motif corresponds to motif MA0138.2 in the core JASPAR collection [2].

Figure 3: Logo of motif used for SRF — This motif corresponds to motif MA0083.1 in the core JASPAR collection [2].
Figure 4: Logo of motif used for TCF7L2 — Compare the sites given for factor T02918 in TRANSFAC public version 7.0 [3]. This factor is also called TCF4.

Figure 5: Logo of motif used for STAT1 — This motif corresponds to motif MA0137.2 in the core JASPAR collection [2].

Figure 6: Logo of motif used for SREBP1 — This motif is not the SRE or E-box motif normally quoted (see for example SwissProt), but is the one given by [4].
Figure 7: Logo of motif used for NF-E2 — This motif corresponds to motif MA0150.1 in the core JASPAR collection [2].

Figure 8: Logo of motif used for ZNF263 — This motif looks a degenerate low complexity motif but is close to the one given by [5].

Figure 9: Logo of motif used for GATA1 — This motif corresponds to motifs MA0140.1 and MA0035.2 in the core JASPAR collection [2].
Figure 10: Logo of motif used for Max — This motif corresponds to motif MA0058.1 in the core JASPAR collection [2].

Figure 11: Logo of motif used for c-Fos — This motif corresponds to motif MA0099.2 for ap1 in the core JASPAR collection [2].

Figure 12: Logo of motif used for p53 — This is very similar to the logo given in [6]: it is also similar to motif MA0106.1 in the core JASPAR collection [2].
Figure 13: Logo of motif used for sp1 — This motif corresponds to motif MA0079.2 in the core JASPAR collection [2].

![Motif of sp1](image)

Figure 14: Logo of motif used for CTCF — This motif corresponds to motif MA0139.1 in the core JASPAR collection [2].

![Motif of CTCF](image)

Figure 15: Logo of motif used for TR4 — One half of this motif is given in [7].

![Motif of TR4](image)
Figure 16: Logo of motif used for YY1 — This motif corresponds to motif MA0095.1 in the core JASPAR collection [2].

Figure 17: Logo of motif used for NFKB — This motif corresponds to motif MA0105.1 in the core JASPAR collection [2].
References


7. Hwang SB, Burbach JPH, Chang C: TR4 orphan receptor crosstalks to chicken ovalbumin upstream protein-transcription factor and thyroid hormone receptor to induce the transcriptional activity of the human immunodeficiency virus type 1 long-terminal repeat. Endocrine 1998, 8:169–175.