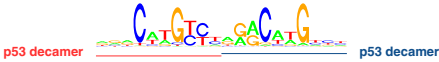
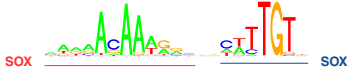
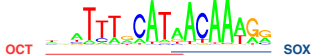
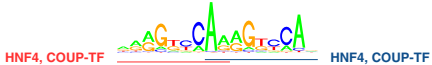
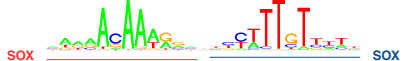
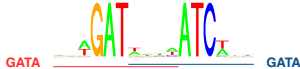
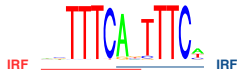


Prediction	Dimeric motif	Previous studies
1. HPDE6-E6E7:NHEK:pHTE:RWPE1, HMEC (various epithelial cells) 1602 + 220 = 1822 instances p -value: 4.98×10^{-254}	 p53 decamer p53 decamer	p53 homotetramer (ubiquitous) Friedman et al. 1993 McLure and Lee 1998
2. Colo829:Mel_2183 (skin cancer cells) 2110 instances p -value: 2.73×10^{-225}	 SOX SOX	SOX9-SOX9 homodimer (chondrocytic cells) Genzer and Bridgewater 2007
3. H1-hESC:H7-hESC:H9ES:iPS:iPS_CWRU1:iPS_NIH11:iPS_NIH7 (embryonic stem cells) 383 instances p -value: 3.23×10^{-101}	 OCT SOX	OCT-SOX heterodimer (embryonic stem cells) Ambrosetti et al. 1997 Chen et al. 2008
4. HepG2:Huh-7:Huh-7.5 (liver cancer cells) 3146 instances p -value: 4.99×10^{-62}	 HNF4, COUP-TF HNF4, COUP-TF	HNF4 α -HNF4 α homodimer (HeLa and pancreatic cells) Lu et al. 2008
5. Colo829:Mel_2183 (skin cancer cells) 1304 instances p -value: 3.22×10^{-68}	 SOX SOX	N/A
6. K562 (leukemia cells) 461 instances p -value: 1.90×10^{-64}	 SMAD GATA	N/A
7. K562 (leukemia cells) 274 instances p -value: 1.61×10^{-62}	 E-box GATA	E-box-GATA heterodimer (leukemia cells) Wadman et al. 1997
8. MCF-7:T-47D (breast cancer cells) 568 instances p -value: 1.64×10^{-62}	 GATA GATA	N/A
9. GM12878:GM18507:GM19238:GM19239:GM19240 (B lymphocytes) 731 instances p -value: 2.17×10^{-62}	 IRF IRF	IRF homotypic dimer (ubiquitous) Tanaka et al. 1993
10. Colo829:Mel_2183 (skin cancer cells) 988 instances p -value: 9.74×10^{-64}	 SOX SOX	N/A