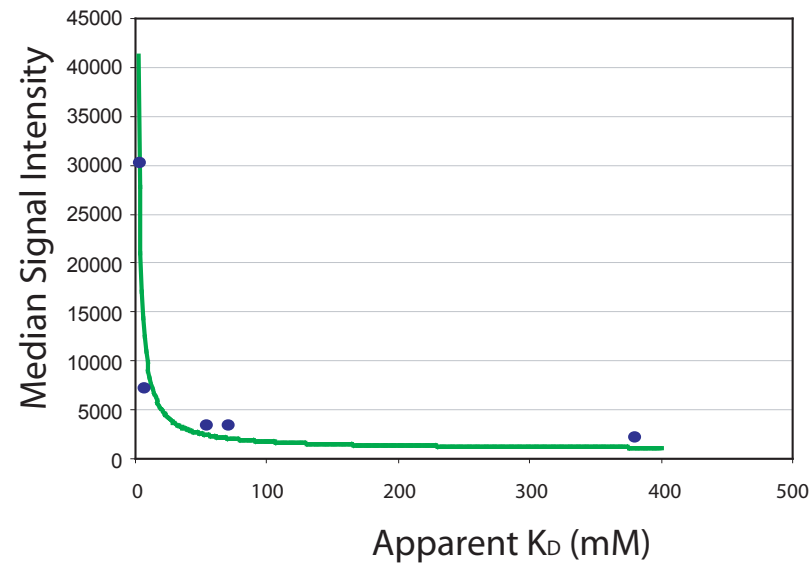


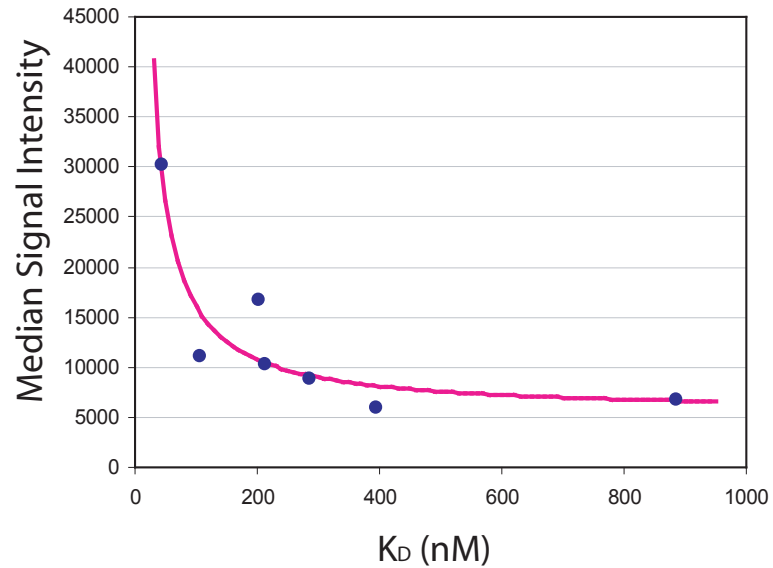
Supplementary Figure 3

Signal Intensity vs. Affinity ¹



¹ Bulyk, M.L., Huang, X., Choo, Y. & Church, G.M. Exploring the DNA-binding specificities of zinc fingers with DNA microarrays. *Proc Natl Acad Sci U S A* **98**, 7158-7163 (2001).

Signal Intensity vs. Affinity ²



² Miller, J.C. & Pabo, C.O. Rearrangement of side-chains in a Zif268 mutant highlights the complexities of zinc finger-DNA recognition. *J. Mol. Biol.* **313**, 309-315 (2001).

PBM signal intensity versus affinity. The relative affinities of Zif268 for several 9-mer binding site variants were determined by several groups. In addition to the QuMFRA data presented in the main text (Liu and Stormo, *BMC Bioinformatics*, 2005), relative binding constants for other variants were determined using phage ELISA (Bulyk, *et al.*, *PNAS*, 2001) and EMSA (Miller and Pabo, *J. Mol. Biol.*, 2001). The median intensity for spots matching each 9-mer on a single PBM bound by Zif268 is plotted against its measured affinity. Data are fit as described previously (Bulyk, *et al.*, *PNAS*, 2001) with the addition of a constant term for nonspecific binding.