Supplementary Material

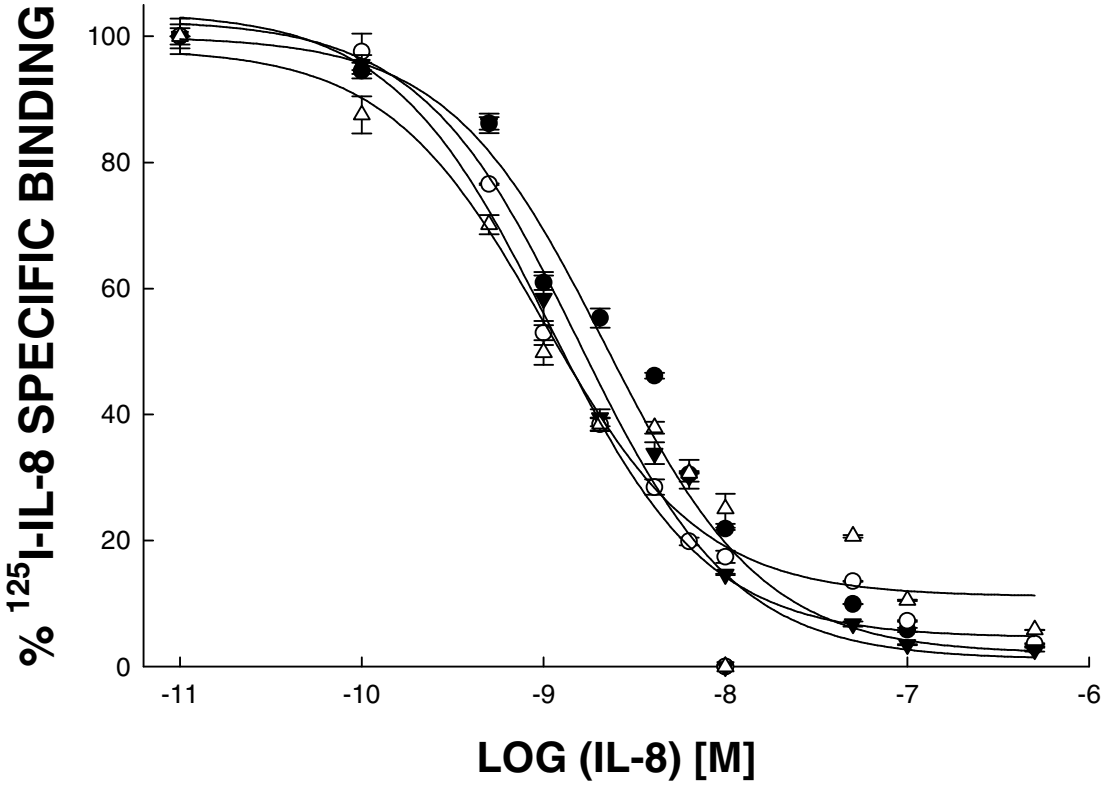

Figure 1S. Displacement of ^{125}I-IL-8 bound to COS-7 cells transiently expressing CXCR1 (●), CXCR2 (○), N1R2 (▼) and N2R1 (Δ). Ki values were 2.18, 1.09, 1.58, and 1.07 nM for binding of IL-8 to CXCR1, CXCR2, N1R2, and N2R1, respectively. Data shown represent the means ± S.E. of three separate experiments.

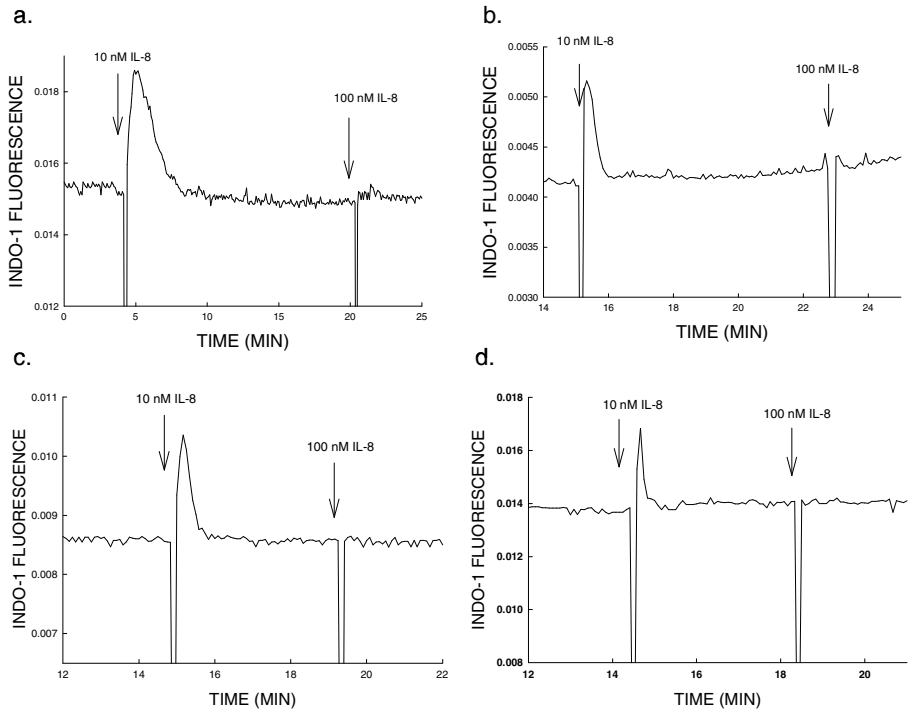

Figure 2S. IL-8-induced intracellular Ca^{2+} mobilization in HEK-293 cells expressing **a**. CXCR1; **b**. CXCR2; **c**. N2R1; **d**. N1R2. 10 nM IL-8 induced an increase in intracellular Ca^{2+}, which desensitized the receptor, as a second dose of 100 nM IL-8 did not elicit a calcium response. Each recording is representatives of four separate experiments.

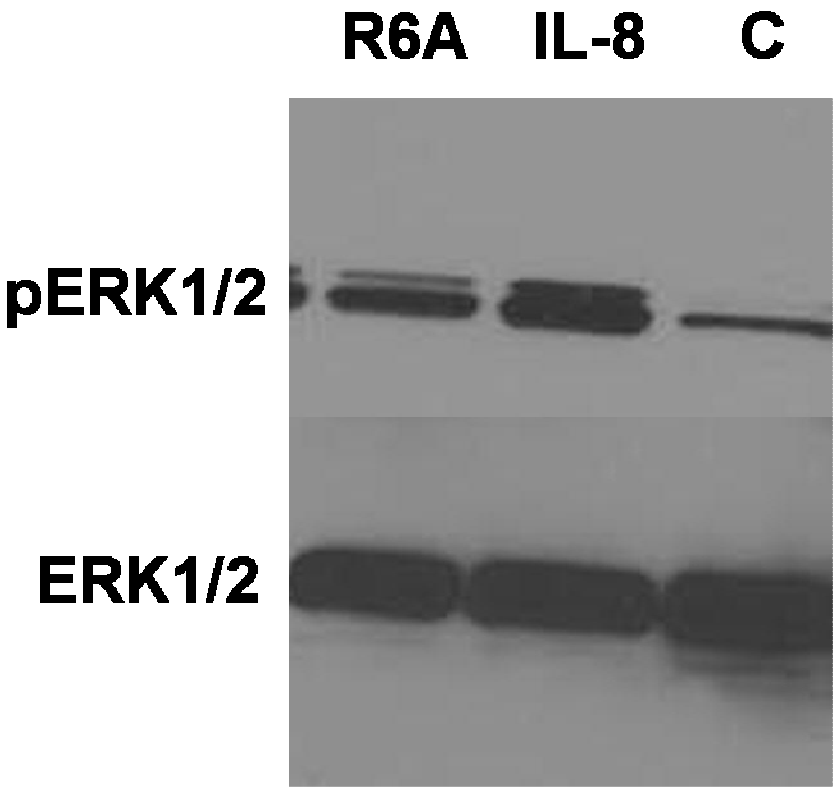

Figure 3S. IL-8- and R6A mutant-triggered phosphorylation of ERK1/2 in COS-7 cells transiently expressing CXCR2. Cells were treated with 1µM R6A, 100nM IL-8, or vehicle (C) for 30 min at 37ºC. We employed high concentrations of R6A because the binding affinity of this mutants for its cognate receptors is >100-fold lower than that of WT IL-8.