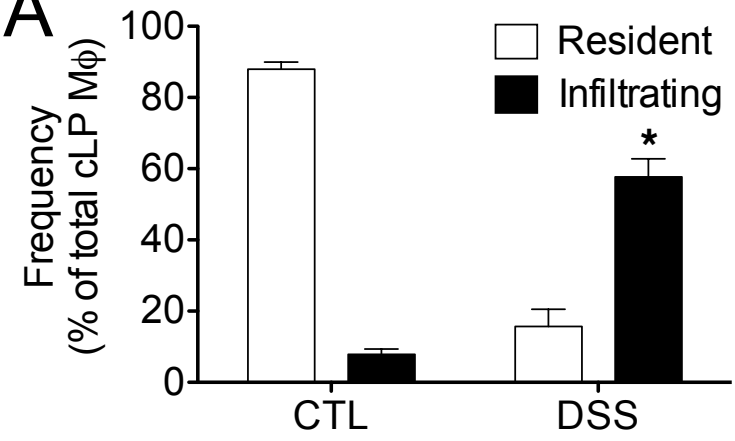
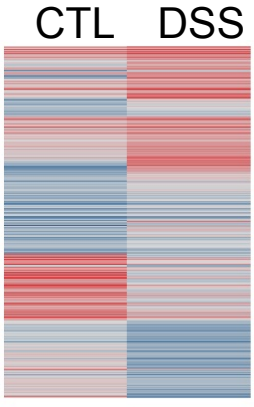
A



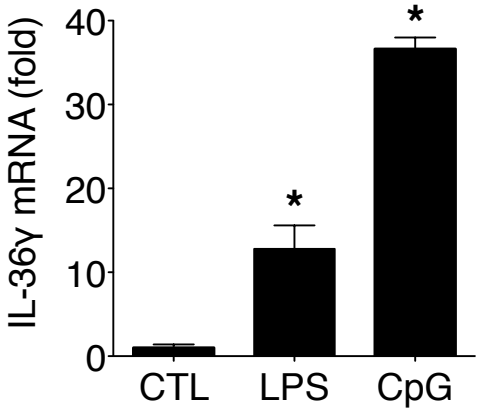
B



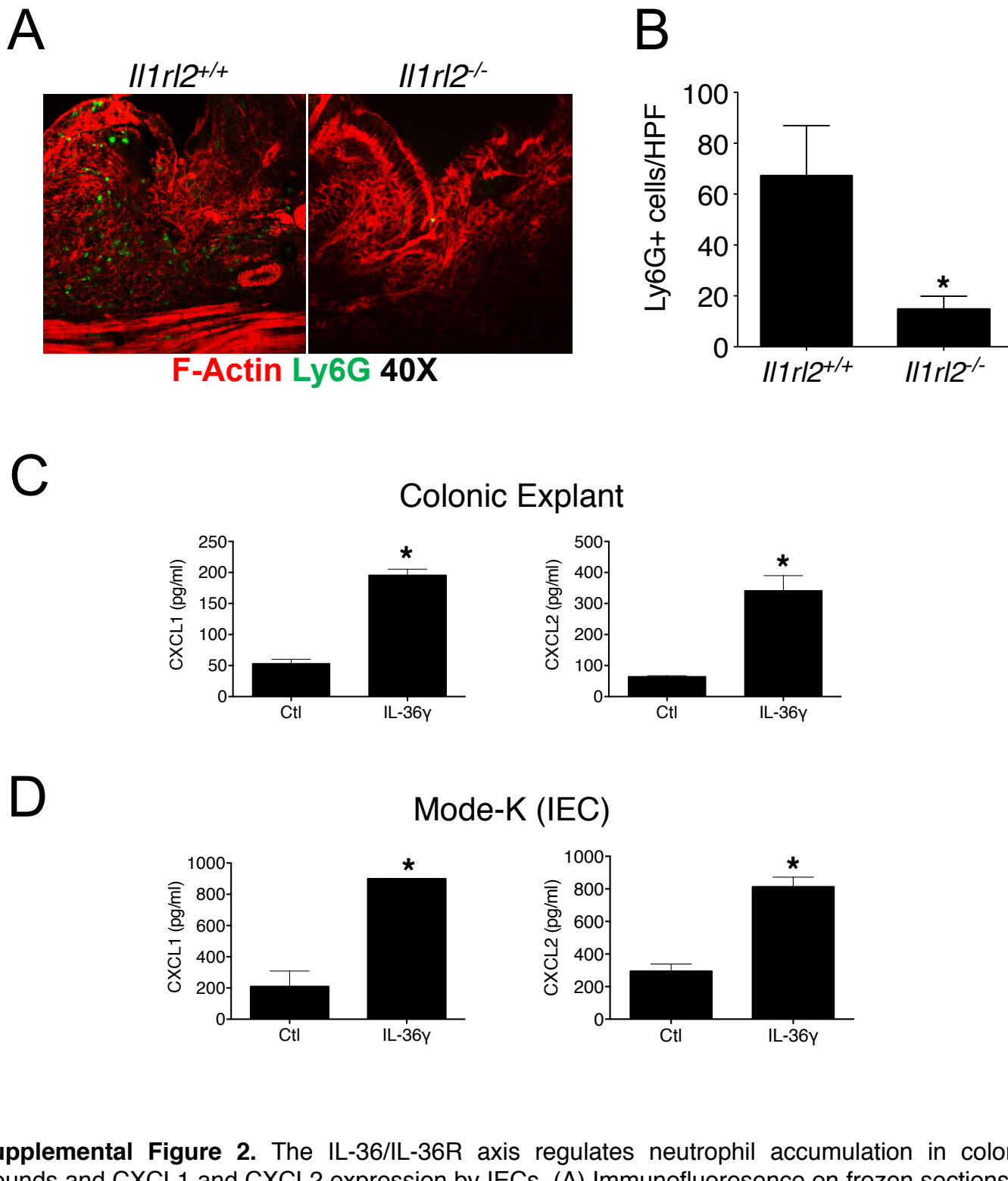
Top 10 DAVID GO Categories		
#	DAVID GO Category	p-value
1	Immune response	1.20E-16
2	Response to wounding	3.50E-16
3	Inflammatory response	1.30E-13
4	Defense response	7.00E-13
5	Chemotaxis	4.80E-08
6	Taxis	4.80E-08
7	Cell migration	3.00E-07
8	Regulation of cell activation	8.90E-07
9	Hemopoiesis	2.40E-06
10	Regulation of leukocyte activation	2.90E-06

Top 10 genes		
#	Gene Symbol	Fold Change
1	Il1f9	5.418079
2	Pglyrp1	3.213495
3	Cfb	3.16281
4	Gbp2	2.925675
5	Il1rap	2.582913
6	Cxcl9	2.564114
7	Rab27a	2.525242
8	Il18rap	2.514167
9	Cd300lf	2.395304
10	Olr1	2.343935

C



Supplemental Figure 1. Inflammatory Mϕ accumulate in colons of DSS-treated mice and express IL-36γ. (A) Frequency of resident ($Cx3cr1^{hi}Ly6C^{-}$) and infiltrating ($Cx3cr1^{lo/int}Ly6C^{+}$) cLP in the colon of WT mice treated for 5 d with 3% DSS. $^{*}P < 0.05$. Data are representative of three independent experiments with three to five mice per group. (B) Microarray expression analyses of cLP Mϕ from CTL or 5 d DSS-treated WT mice. Hierarchical clustering (heatmap) and top 10 GO categorization are shown along with the top 10 genes within the Immune response category. (C) IL-36γ mRNA expression in bone marrow-derived macrophages treated for 12 h with LPS or CpG. Data are representative of two independent experiments. $^{*}P < 0.05$.



Supplemental Figure 2. The IL-36/IL-36R axis regulates neutrophil accumulation in colonic wounds and CXCL1 and CXCL2 expression by IECs. (A) Immunofluoresence on frozen sections of resealing colonic wounds in *Il1rl2*$^{+/+}$ and *Il1rl2*$^{-/-}$ mice on 2 d showing F-actin (red) and Ly6G (green), original magnification ×40. (B) Quantification of Ly6G+ cells per high power field (HPF). (C) ELISA of CXCL1 and CXCL2 in supernatants of colonic explant cultures stimulated for 24 h with IL-36γ (100ng/mL). (D) ELISA of CXCL1 and CXCL2 on supernatants of Mode-K IEC cells stimulated as in (C). Data are representative of two independent experiments. *$P < 0.05$.