



Gene subsets	Overlapped gene number	Coverage % of negative correlation
Compound A (0.3 mg/kg) DEGs vs colitis signature	2,925	30.9
Compound A (1 mg/kg) DEGs vs colitis signature	4,363	46.1
Anti-TNF α Ab DEGs vs colitis signature	1,106	11.1

Supplemental Figure 4.

Heatmap illustrating hierarchical clustering of colitis signature (vehicle versus normal mice) clustered into up-regulated and down-regulated genes comparing with fold change in gene expression levels in murine colitis model treated with Compound A at the dose of 0.3 and 1 mg/kg and anti-TNF α mAb. The color-coded scale for the normalized expression value is indicated at the right of the figure, which correlates with color intensity to the fold change of gene expression and enrichment score. Overlapped gene number between each DEGs and colitis signature, and each coverage rate of negative correlation were indicated at the below.