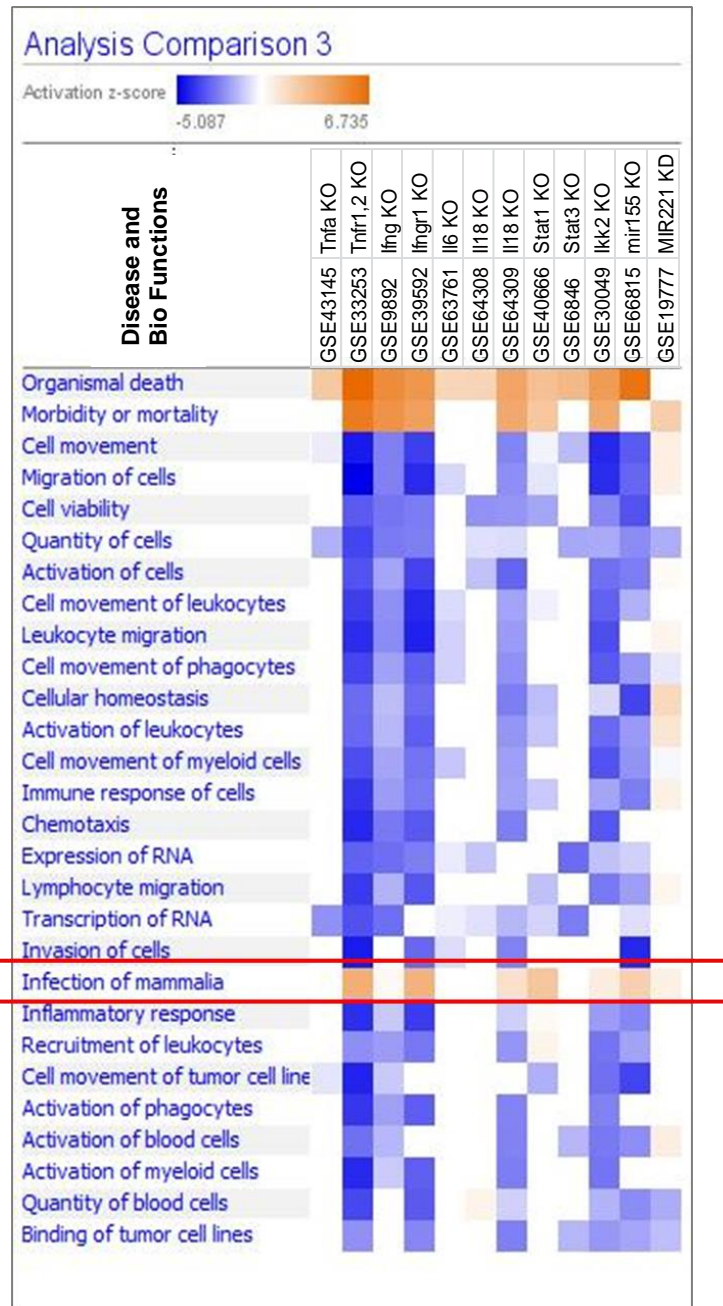


## *Supplementary Material.*



**Supplementary Figure 1** The heatmap of diseases related to downregulated IGs from IPA analysis comparison. The result showed downregulated IGs were associated with increased infection of mammalia. KO, knock out; KD, knock down. ( $P$ .value<0.05)