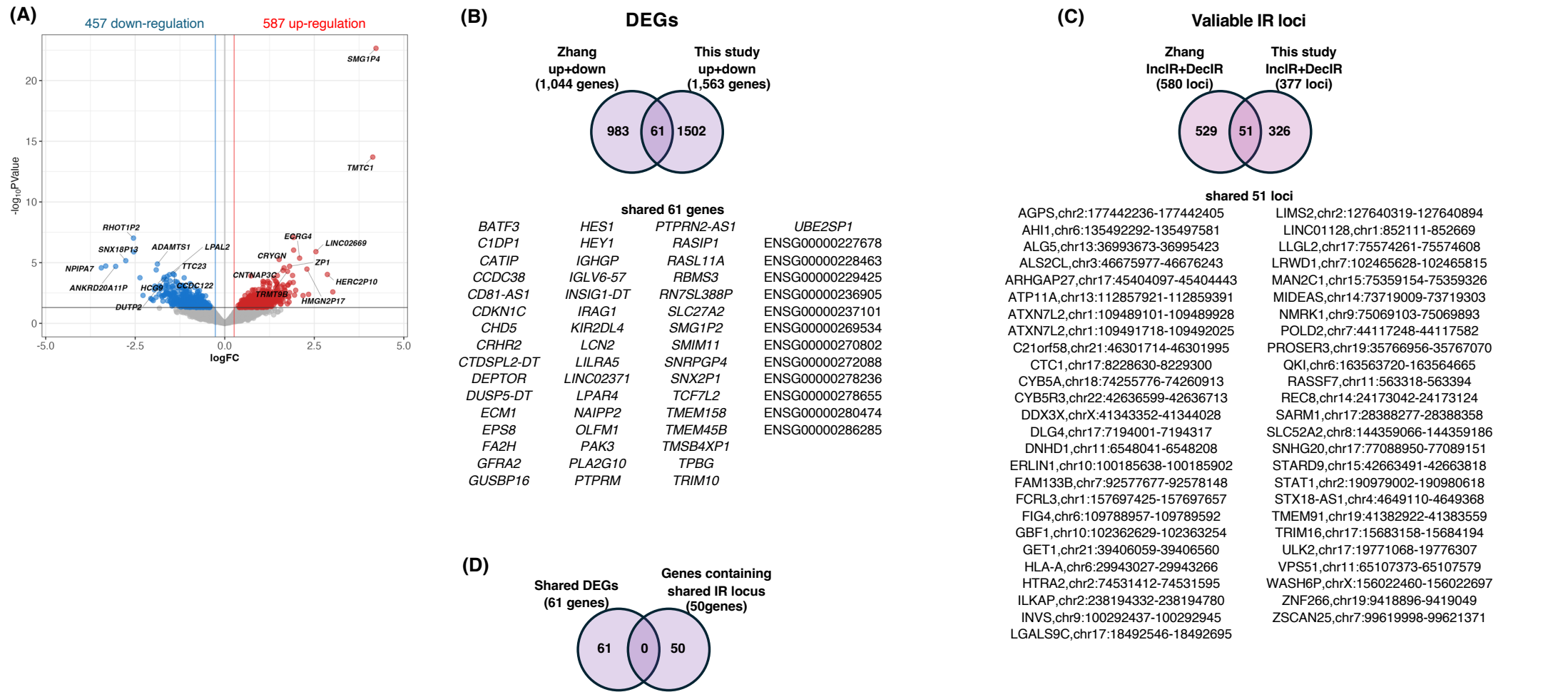




Supplementary Figure 5. Comparison of DEG/IR between the MDD data of Zhang *et al* and this study.

(A) Volcano plots using transcriptome data between CON and MDD nadfrom the MDD data of Zhang *et al*. The horizontal axis shows the $\log_2$ fold-change of BMT/CON, and the vertical axis shows $-\log_{10} P$ -values. Red dots denote significantly upregulated genes (FC (fold change) > 1.2 and $P < 0.05$), blue dots denote significantly downregulated genes ($FC < 1/1.2$ and $P < 0.05$), and grey dots indicate no significant difference in expression (likelihood ratio test). (B) Comparison of RNA expression between the MDD data of Zhang *et al* and this study. Venndaigram of comparison using up-regulated + down-regulated genes. (C) Comparison of variable intron retention between the MDD data of Zhang *et al* and this study. Venndaigram of comparison using IncIR + DecIR loci. (D) . Venndaigram between shared DEGs (Fig.S5B) and Genes containing shared IR locus (Fig. S5C).