

Supplementary. Figure S2

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Genetic Associations of Anhedonia: Insights into Overlap of Mental and Somatic Disorders

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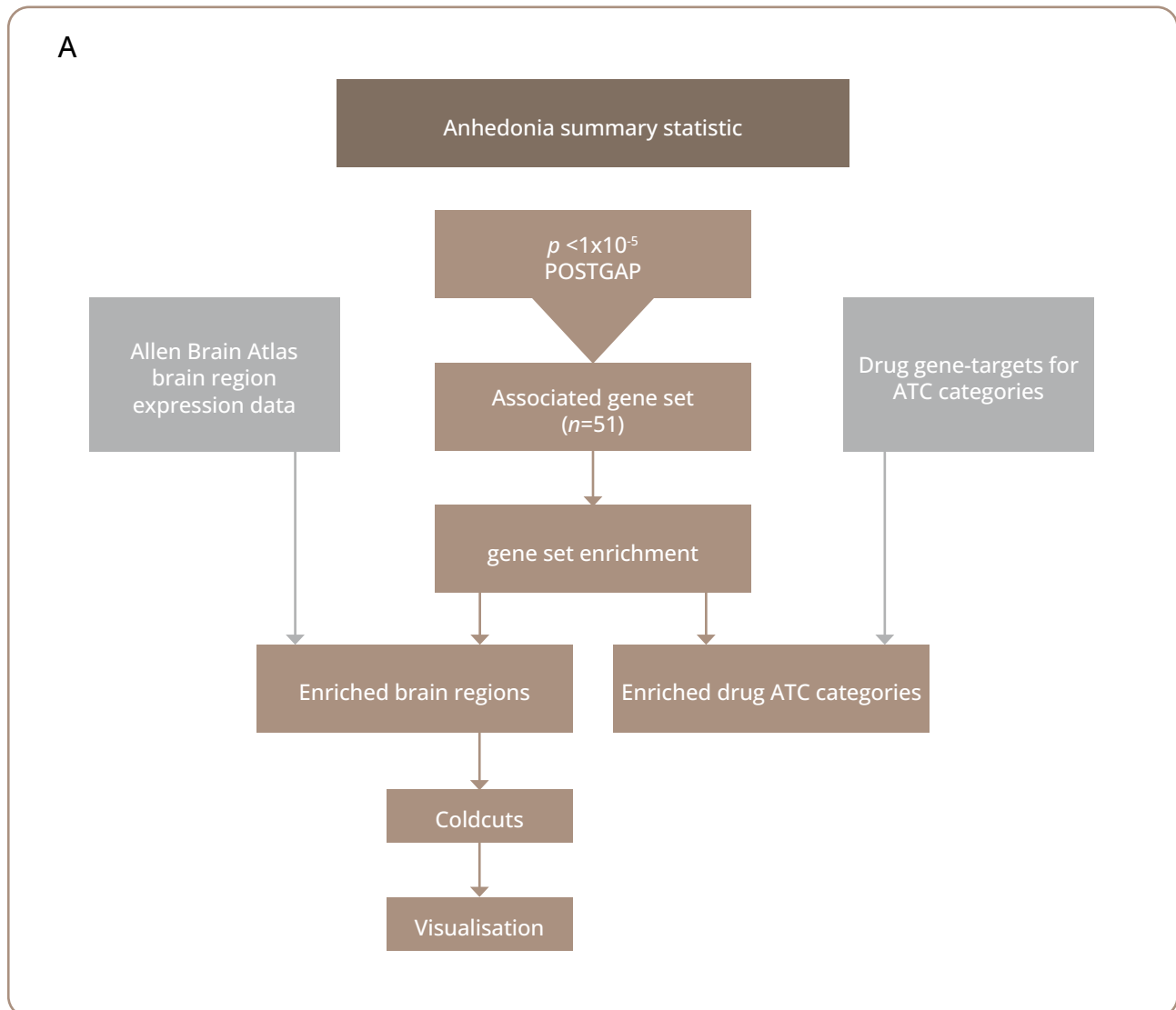


Figure S2. Enrichment analysis of lifetime anhedonia phenotype and expression levels of the genes associated with the leading ($p < 1 \times 10^{-5}$) variants across Allen Brain Atlas human brain regions. (A) The framework of enrichment analyses performed in the study.

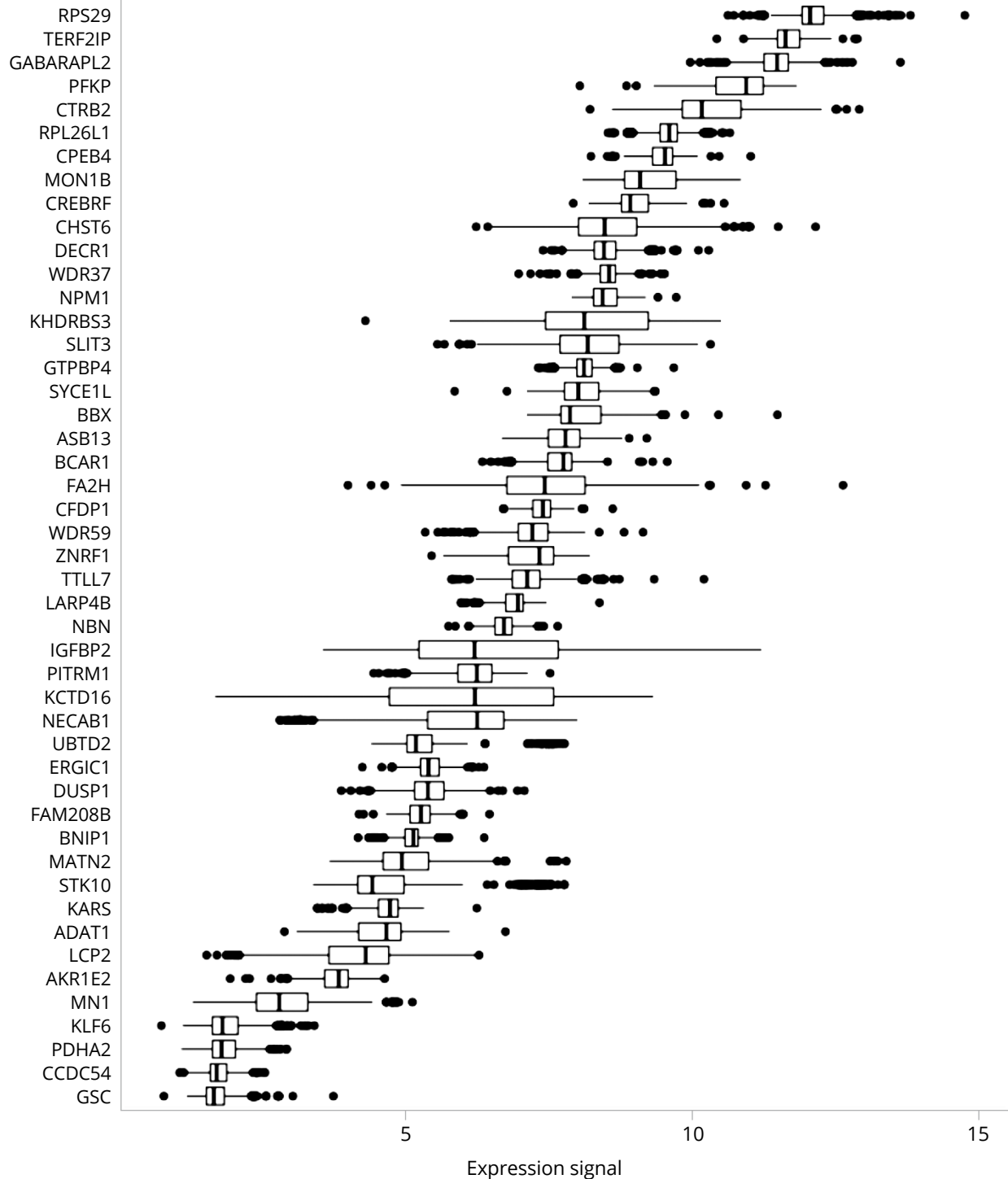
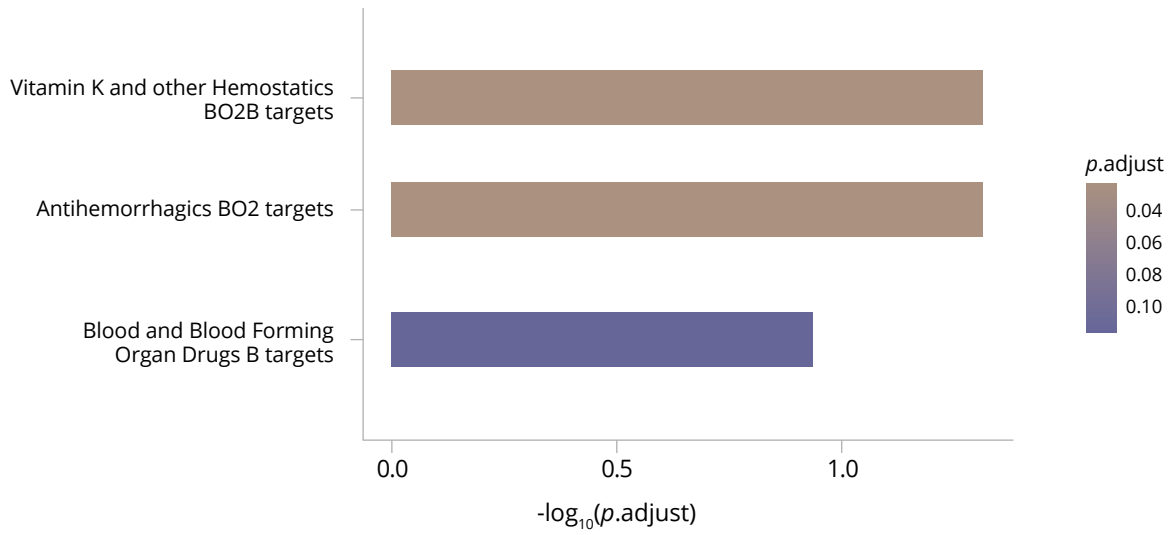
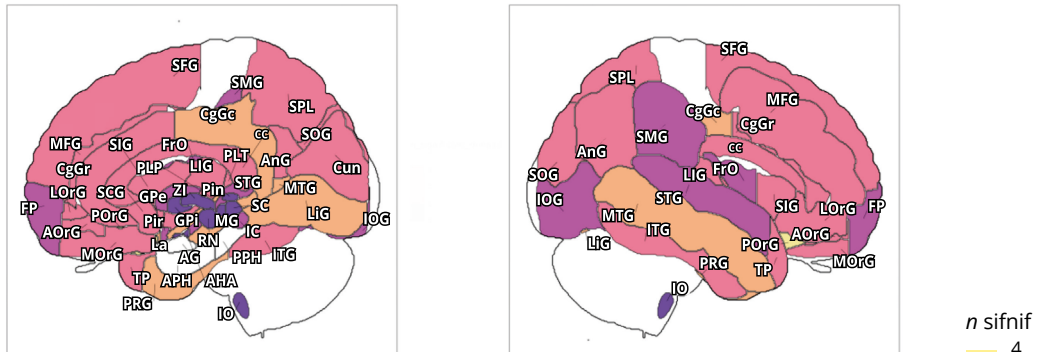
B

Figure S2. Enrichment analysis of lifetime anhedonia phenotype and expression levels of the genes associated with the leading ($p < 1 \times 10^{-5}$) variants across Allen Brain Atlas human brain regions. (B) Boxplots, comparing expression signals (average normalized expression levels) of the genes associated with the leading variants across 414 brain regions present in the human Allen Brain Atlas dataset (provided with the ABADData package).

C



D



E

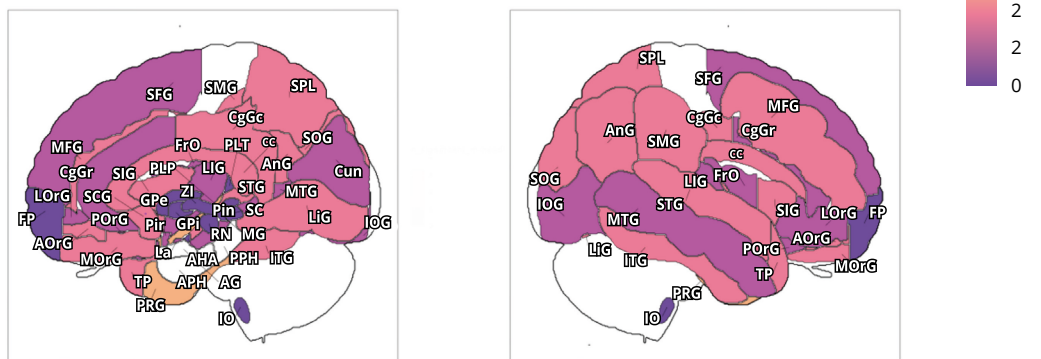


Figure S2. Enrichment analysis of lifetime anhedonia phenotype and expression levels of the genes associated with the leading ($p < 1 \times 10^{-5}$) variants across Allen Brain Atlas human brain regions. (C) A barplot, showing the results of ATC drug target enrichment analysis. (D) Maximal counts of brain region expression cutoffs at which the familywise error rate was below 0.05 visualized with Coldcuts, left hemisphere. (E) Maximal counts of brain region expression cutoffs for the left hemisphere at which the familywise error rate was below 0.05 visualized with Coldcuts, right hemisphere.