

Supplementary Tables and Figures

Supplementary Table S1 Differentially expressed lncRNAs between CUMS and NOR groups

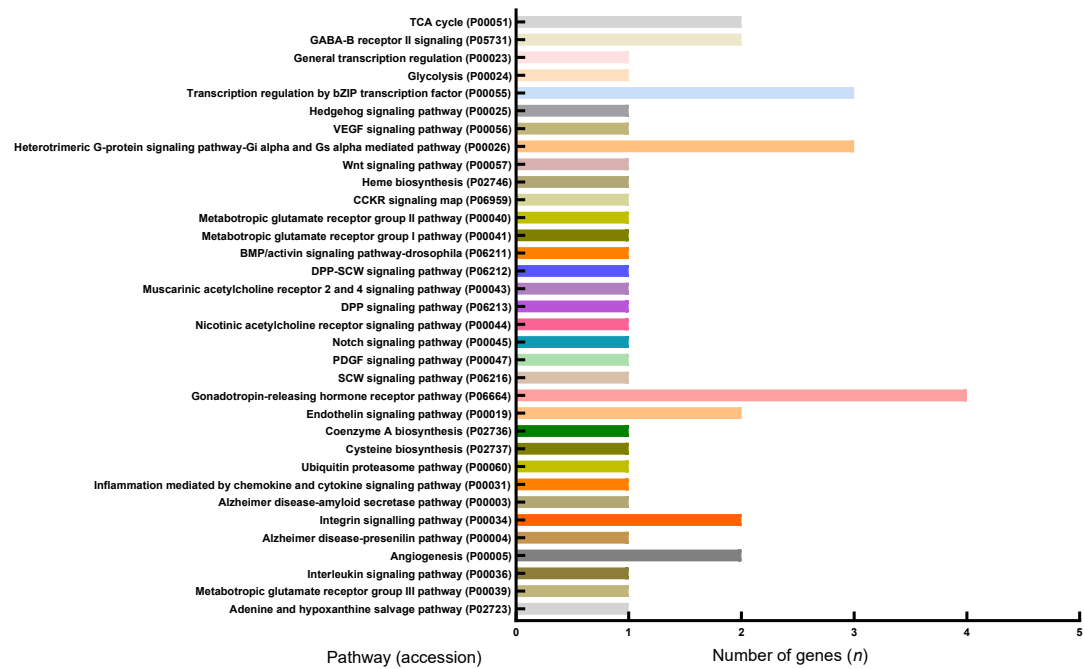
Supplementary Table S2 Differentially expressed lncRNAs between FLU and CUMS groups

Supplementary Table S3 A list of 95 altered expressed lncRNAs between FLU and CUMS groups as well as between CUMS and NOR groups

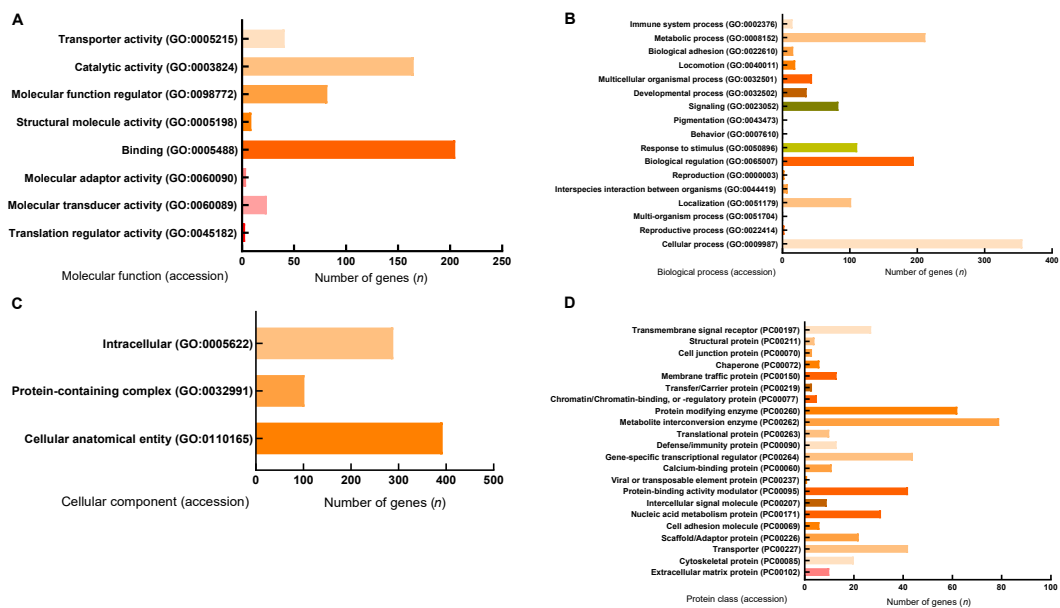
Supplementary Table S4 A list of predicted mRNA targets which were co-localized with the dysregulated lncRNAs in FLU vs. CUMS and CUMS vs. NOR comparisons

Supplementary Table S5 A list of predicted mRNA targets which were co-expressed with the dysregulated lncRNAs in FLU vs. CUMS and CUMS vs. NOR comparisons

Supplementary Table S1-S5 are listed as separate excel files due to their large size.



Supplementary Figure S1 Pathways predicted based on the target genes of the differentially expressed lncRNAs *in cis* between FLU and CUMS groups (Q -value<0.05) by PATHER analysis.



Supplementary Figure S2 GO analyses of mRNA targets co-expressed with differentially expressed lncRNAs in a comparison of FLU and CUMS group (Q -value<0.05) based on the categories of molecular function (A), cellular component (B), biological process (C) and protein class (D).