

3. Genotyping was performed using four different Illumina HumanCoreExome arrays, with stringent quality control measures applied, resulting in 358,964 polymorphic variants included in the study.
4. The SAIGE tool was used for GWAS, accounting for sample relatedness and case-control imbalance, with a focus on biopsy-confirmed CeD and including various covariates.
5. The genome-wide heritability of the non-HLA region was calculated using the LDSC function, and functional mapping and annotation were performed using FUMA, including tissue-specificity and pathway enrichment analysis.