Cocaine’omics: The Genetic and Neurological Basis of Cocaine Use and Dependence

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Study Overview

Gene-Based Association: Cocaine Dependence vs. Control

- 3,370; 90.3% cases

Tissue Enrichment – Genes Nominally Associated with Cocaine Dependence

Brain-Specific Pathway Analysis

Differentially Expressed Genes – GWAS/Gene-based Findings

- NUFDB9; Padj = 0.57
- FAM53B; Padj = 0.73
- C1QL2; Padj = 0.34
- KCTD20; Padj = 0.94

Pathway Analysis – Blue WGCNA Network

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