



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

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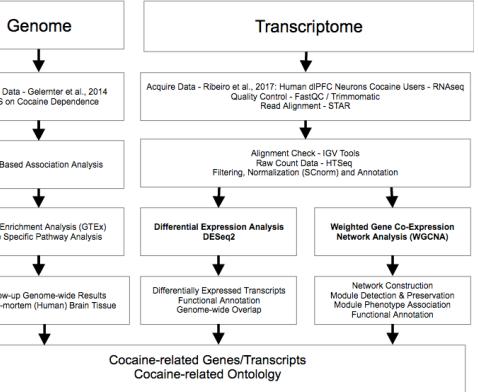
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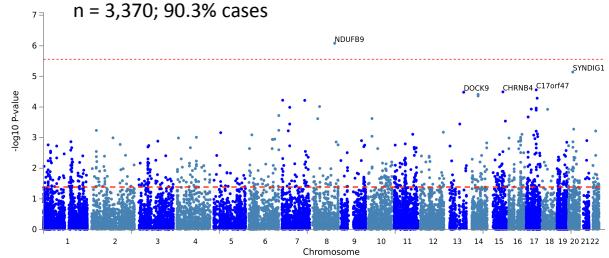
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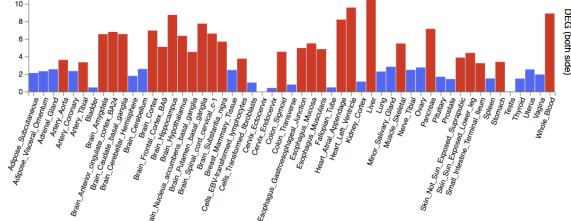
Study Overview



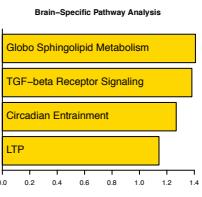
Gene-Based Association: Cocaine Dependence vs. Control



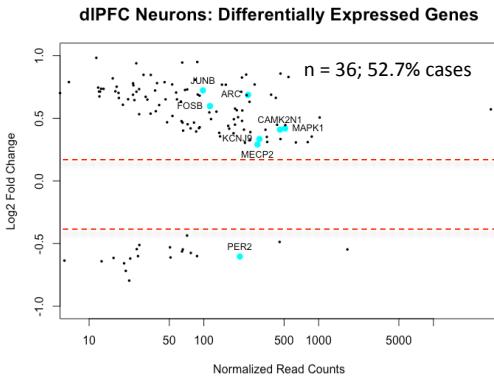
Tissue Enrichment – Genes Nominally Associated with Cocaine Dependence



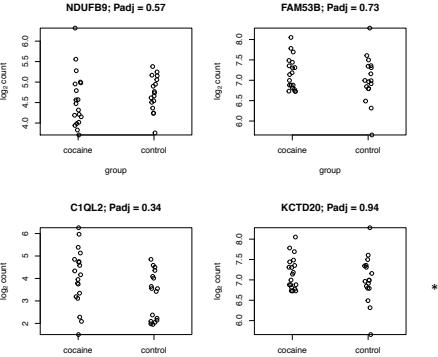
Brain-Specific Pathway Analysis



Single Cell RNA-seq Analyses: Differential Expression - Cocaine Use vs. Control

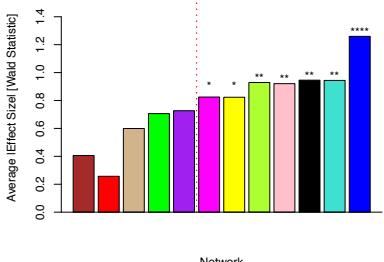


Differentially Expressed Genes – GWAS/Gene-based Findings

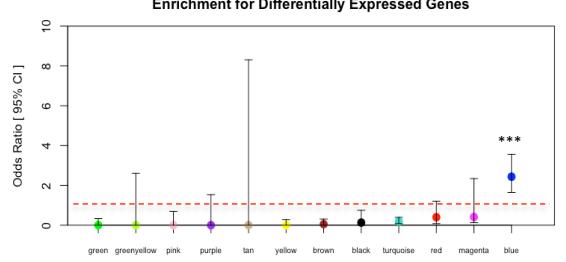


Weighted Gene Covariance Network Analysis (WGCNA)

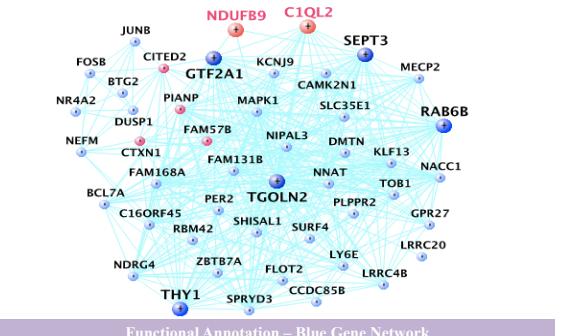
Gene Networks Associated with Cocaine Use



Networks Implicated in Cocaine Use

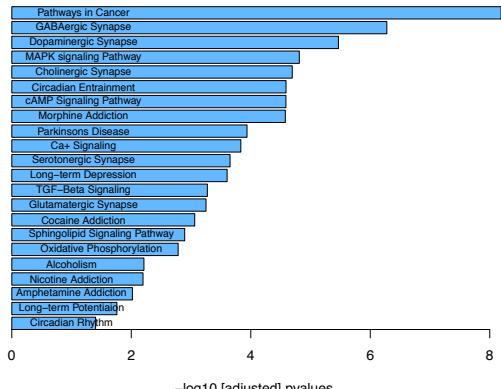


Blue WGCNA Network



Functional Annotation – Blue Gene Network

Pathway Analysis – Blue WGCNA Network



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