

Storey Lab

Lewis-Sigler Institute for Integrative Genomics



@storeylab

Focus of the Lab

- Characterizing genomic variation
 - nucleotides (genetic variation)
 - gene expression
 - · epigenetics and chromatin
- Role of genomics in molecular and trait variation
 - genetics of gene expression
 - genetics of complex traits
- Statistical theory, methods, and algorithms for high-dimensional data
 - inference on many parameters simultaneously
 - accounting for latent variable structure

Find Us

On the internet:

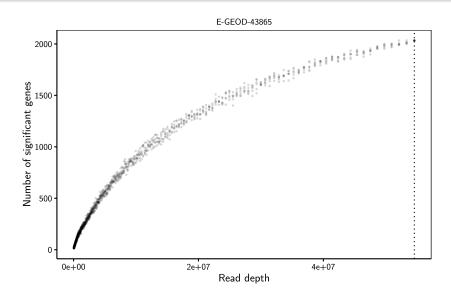
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http://genomics.princeton.edu/storeylab/
https://github.com/storeylab
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https://twitter.com/storeylab

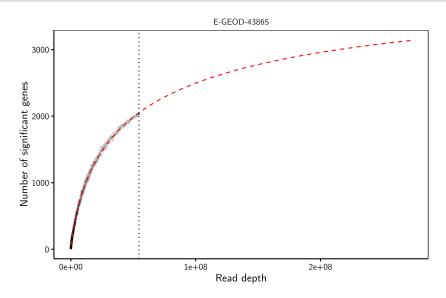
In person:

Andrew Bass (QCB) Wei Hao (QCB)
Irineo Cabreros (PACM) Emily Nelson (QCB)
Chee Chen Alejandro Ochoa
Sean Hackett

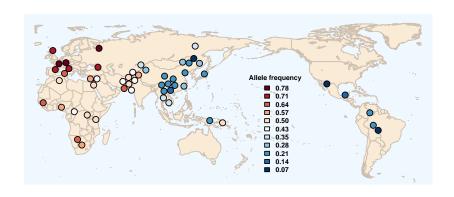
subSeq: Computationally efficient way to subsample reads



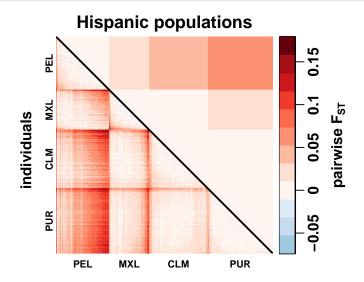
superSeq: Predicting adequate read depth to maximize statistical power



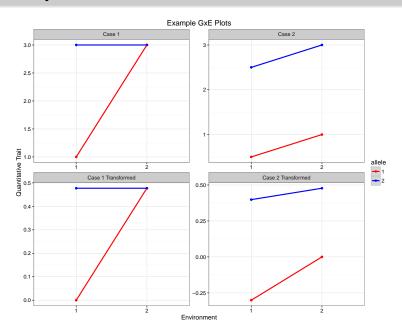
Complex Population Structures: Human Genome Diversity Panel



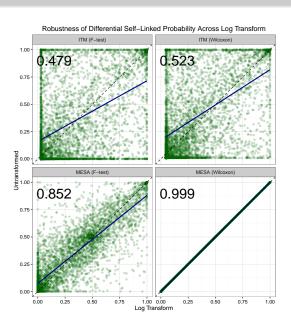
Differentiation Between Pairs of Individuals: 1000 Genomes Project



Gene-by-Environment Interactions



Scale Robustness of Our Method



New Experimental System

