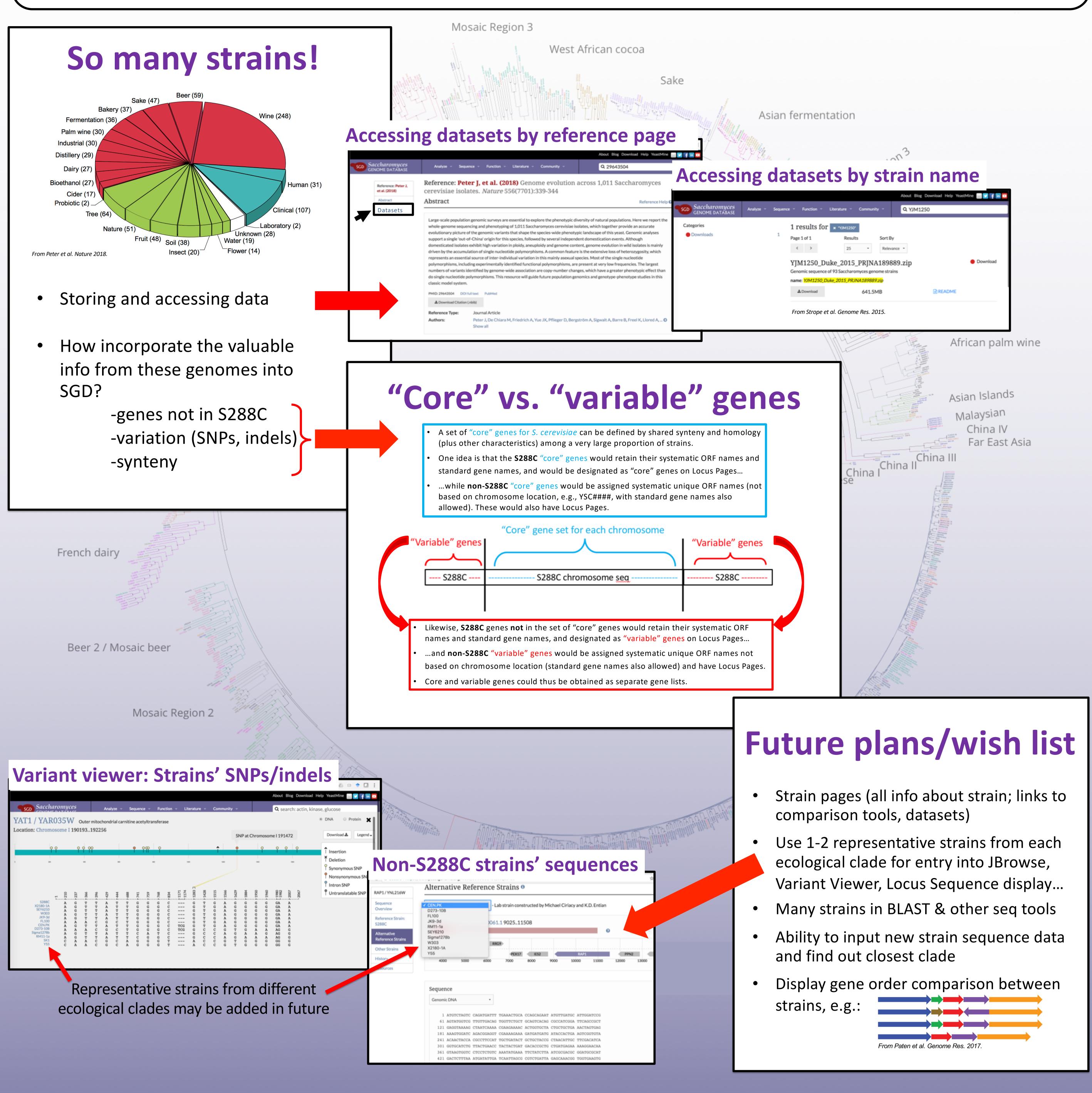
## SGD

## Beyond S288C: Incorporating new S. cerevisiae strain genomes and their associated not-in-S288C ORFs into SGD



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The Saccharomyces Genome Database (SGD; www.yeastgenome.org) began as a repository of the genome sequence of S. cerevisiae, specifically the S288C lab strain, which was the first completely sequenced eukaryotic genome. There are currently >1500 different S. cerevisiae strains with whole genome sequences publicly available, with many more likely to be added in the coming months and years. Incorporating some or all of these data sets into SGD will eventually result in: the addition of many more "not-in-S288C" Locus Pages; the identification and labeling of "core" ORFs (i.e., those shared by virtually all whole-genome sequenced strains) vs. "variable" ORFs; the display of sequence variation in ORFs across many strains; and the creation of "Strain Pages" for sequenced strains, showing relevant isolation and phenotypic information and links to the genome sequence. We hope that the addition of these strain genomes and associated information will be of great use to the yeast community. This work is funded by the NHGRI, US NIH [5U41HG001315-18].



Background tree by Kristoffer Krogerus beer.suregork.com



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