<https://www.nature.com/articles/d42859-020-00115-3>

What is a pan-genome? Why might they be preferable to reference-based variant calling (align short reads to reference, perform variant calling)?

How might pan-genomes facilitate crop improvement efforts?

**Plant Genome Databases:**

https://arabidopsis.org/

<http://plants.ensembl.org/index.html>

<https://phytozome-next.jgi.doe.gov/>

<https://www.wheatgenome.org/>

http://rice.uga.edu/

<https://solgenomics.net/>

<http://www.coffee-genome.org/>