



<https://www.gramene.org>

Rel #66 (Dec. 2022)

Plant genomes: 128

Gene family trees: 152K

Pairwise DNA alignments: 278

Synteny maps: 79

Species with genetic variation: 15

Species with baseline gene expression: 28

Curated rice pathways: 320

Species with orthology-based pathway projections: 120

Support for community curation of gene structures



PanGenomes

For each pan genome site, gene trees were built with a minimum of 7 outgroup species. Expression data and pathways are available for the reference genomes.

oryza.gramene.org



Rel #6 (Jan. 2023)

Rice genomes: 28

Gene trees: 38K

maize-pangenome.gramene.org



Rel #2 (July 2021)

Maize genomes: 26

Gene trees: 31K

vitis.gramene.org



Rel #3 (May 2022)

Grape genomes: 18

Gene trees: 28K

sorghumbase.org



Rel #5 (Dec. 2022)

Sorghum genomes: 28

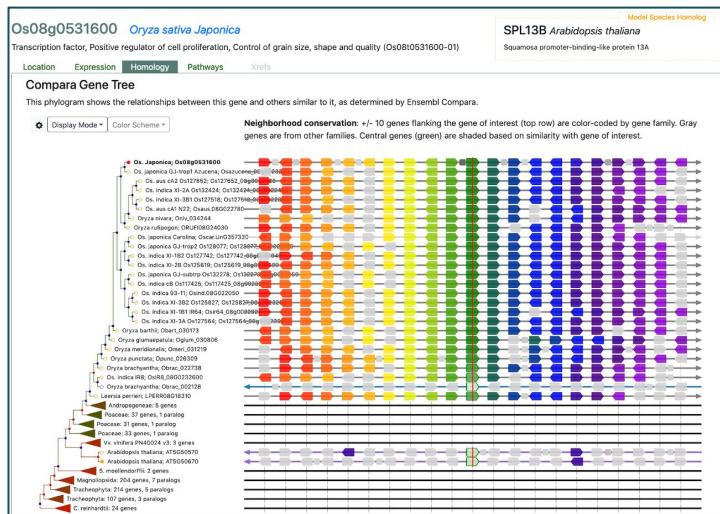
Gene trees: 44K

61M SNPs and EMS mutations

Publications DB &

research highlights

Tools



Neighborhood Conservation View. This view allows researchers to identify structural variants and presence/absence variation in a conserved region. For each gene in the tree 10 flanking genes are displayed and color coded by gene family or shaded based on similarity to the gene of interest.

Cite Gramene:

Tello-Ruiz *et al* (2021) 10.1093/nar/gkaa979

Contact us for data integration, training and support or to partake in our community curation projects:

<https://www.gramene.org/feedback>