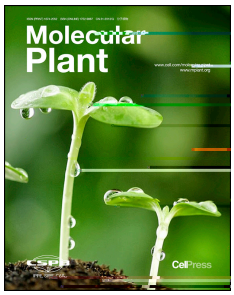

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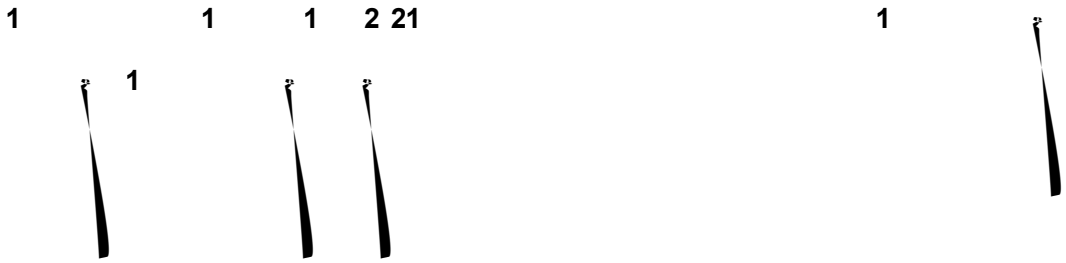
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Location module

Crossing nurse

Crossing nurse

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Genetic variation analysis module

Genomic statistical analysis module

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GWAS analysis module

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Genomic selection analysis module

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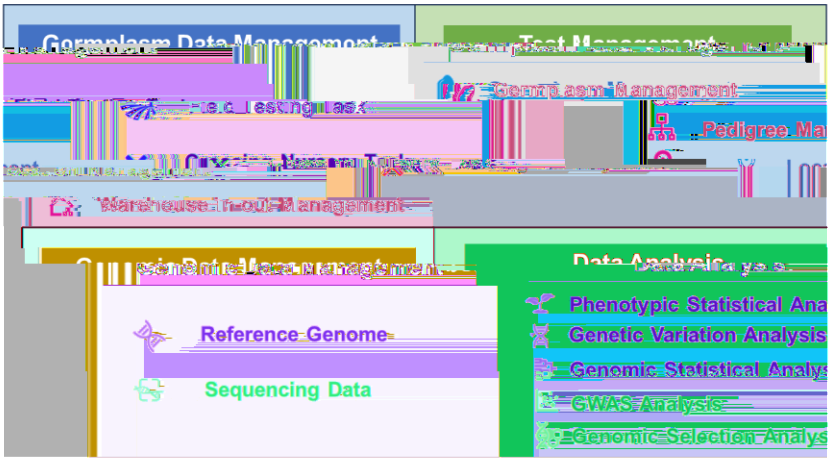
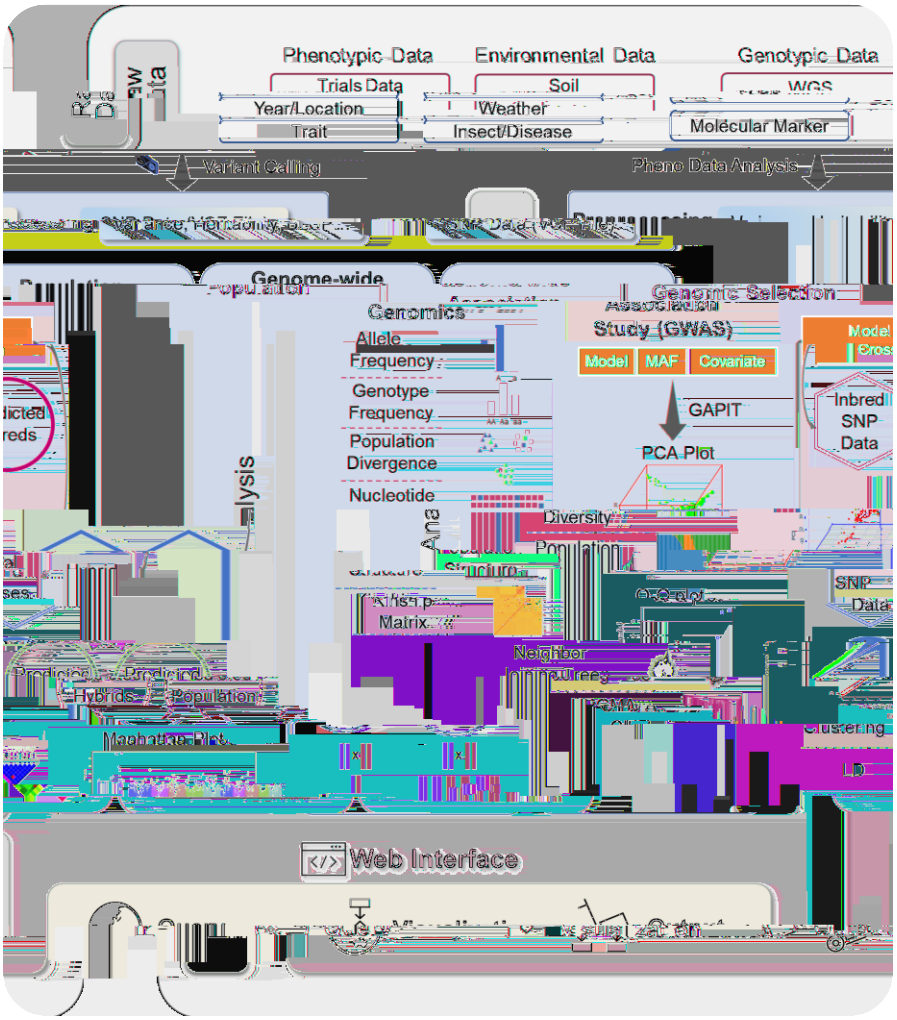

Reference Genome
Sequencing Data
Phenotypic Statistical Ana
Genetic Variation Analysis
GWAS Analysis

B


Phenotypic Data
Environmental Data
Genotypic Data
Trials Data
Soil
Year/Location
Weather
Trait
Insect/Disease
Molecular Marker
Variant Calling
Phono Data Analysis
Genome-wide
Genomics
Allele Frequency
Genotype Frequency
Population Divergence
Nucleotide
Study (GWAS)
Model
MAF
Covariate
GAPIT
PCA Plot
Inbred SNP Data
Diversity
Population
Matrix
Neighbor
Hybrids
Population
Manhattan Plot
Web Interface

Funding

2

Acknowledgements

References

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Germplasm Data Management

- Germplasm Management
- Pedigree Management
- Location Management
- Warehouse in-out Management

Test Management

- Field Testing Task
- Crossing Nursery Task

Genomic Data Management

- Reference Genome
- Sequencing Data

Data Analysis

- Phenotypic Statistical Analysis
- Genetic Variation Analysis
- Genomic Statistical Analysis
- GWAS Analysis
- Genomic Selection Analysis

B