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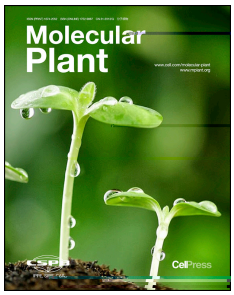

Smart Breeding Platform: a web-based tool for high-throughput population genetics, phenomics, and genomic selection

Huihui Li, Xin Li, Peng Zhang, Yingwei Feng, Junri Mi, Shang Gao, Lele Sheng, Mohsin Ali, Zikun Yang, Liang Li, Wei Fang, Wensheng Wang, Qian Qian, Fei Gu, Wenbin Zhou

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Germplasm and intermediate material table

Pedigree module

Location module

Crossing nursery

Genetic variation analysis module

Genomic statistical analysis module

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GWAS analysis module

p

Genomic selection analysis module

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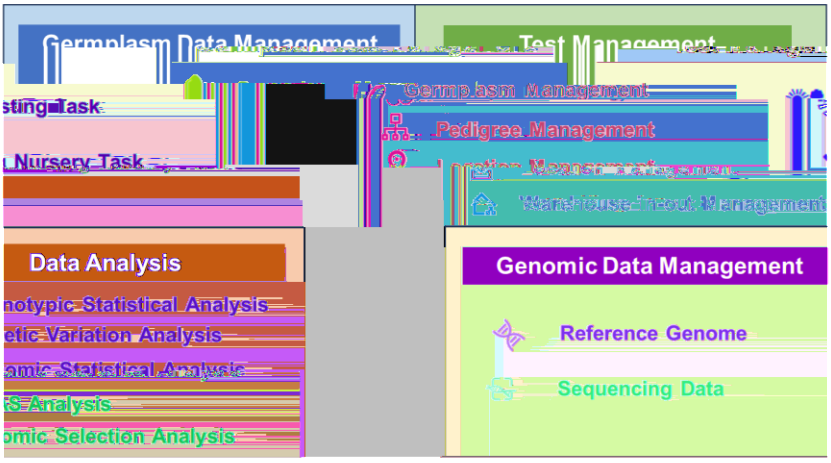
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Germplasm Management
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Data Analysis
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Acknowledgements

References

Germplasm Data Management

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

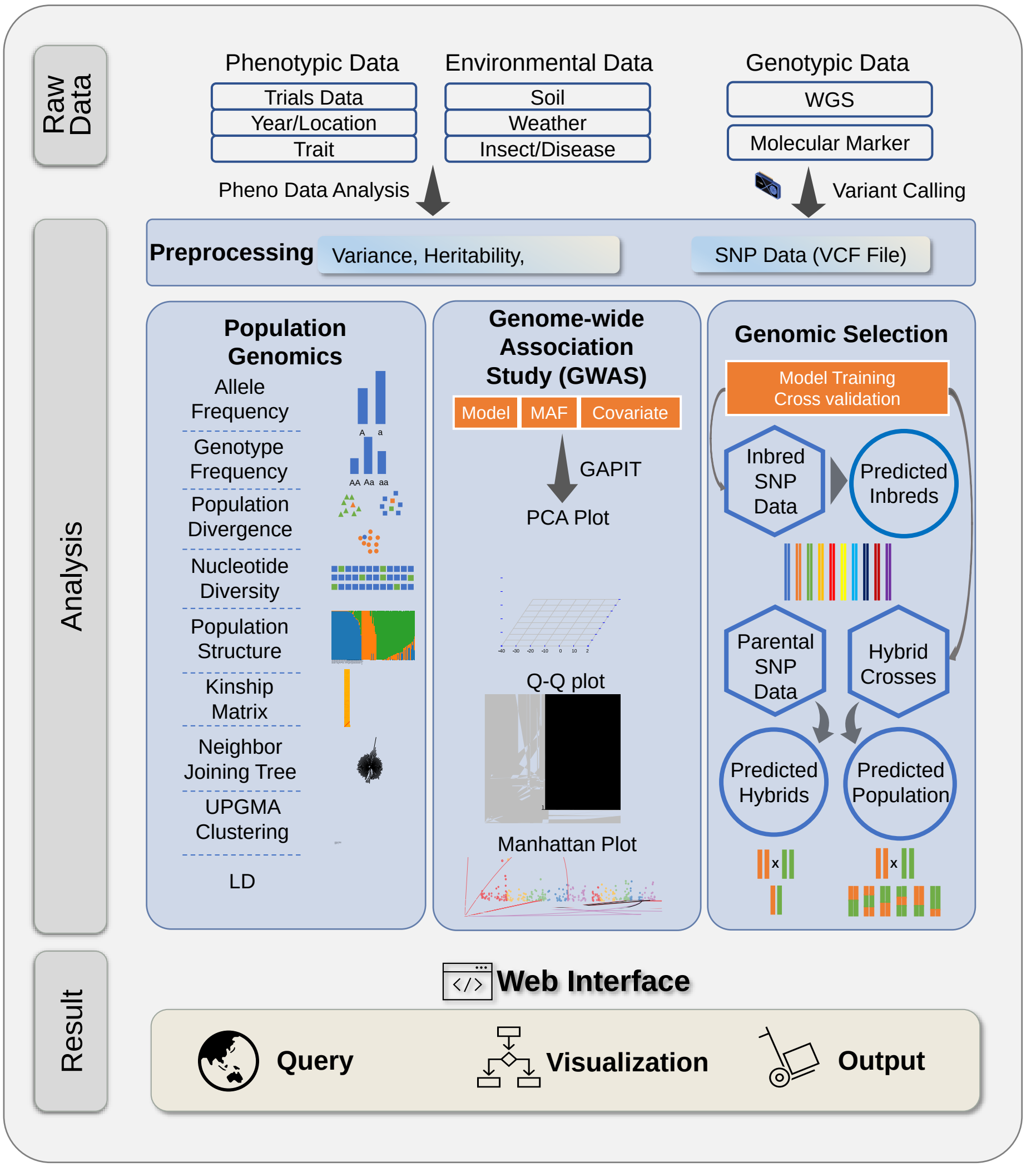
Test Management

- 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

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