

5 Research Areas Improved with Chromosome-Scale Reference Genomes

Agriculture

High powered genomic prediction of complex and structural variants.



[See Example in BioRxiv](#)

1

Sex Chromosomes

Unravel sex chromosome evolution and sex determination mechanisms.

[See Example in G3 Genes|Genomes|Genetics](#)



2

Conservation

Identify loci that are key to breeding decisions for conservation.



[See Example in G3 Genes|Genomes|Genetics](#)

3

Translational

Characterize disease-specific genomic features in detail.

[See Example in BioRxiv](#)



4

Human Genomics

Develop haplotype-resolved diverse human genomes.



[See Example in Science](#)

5

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