

# Understanding The Interaction Between Suppressors And Rust Resistance Genes

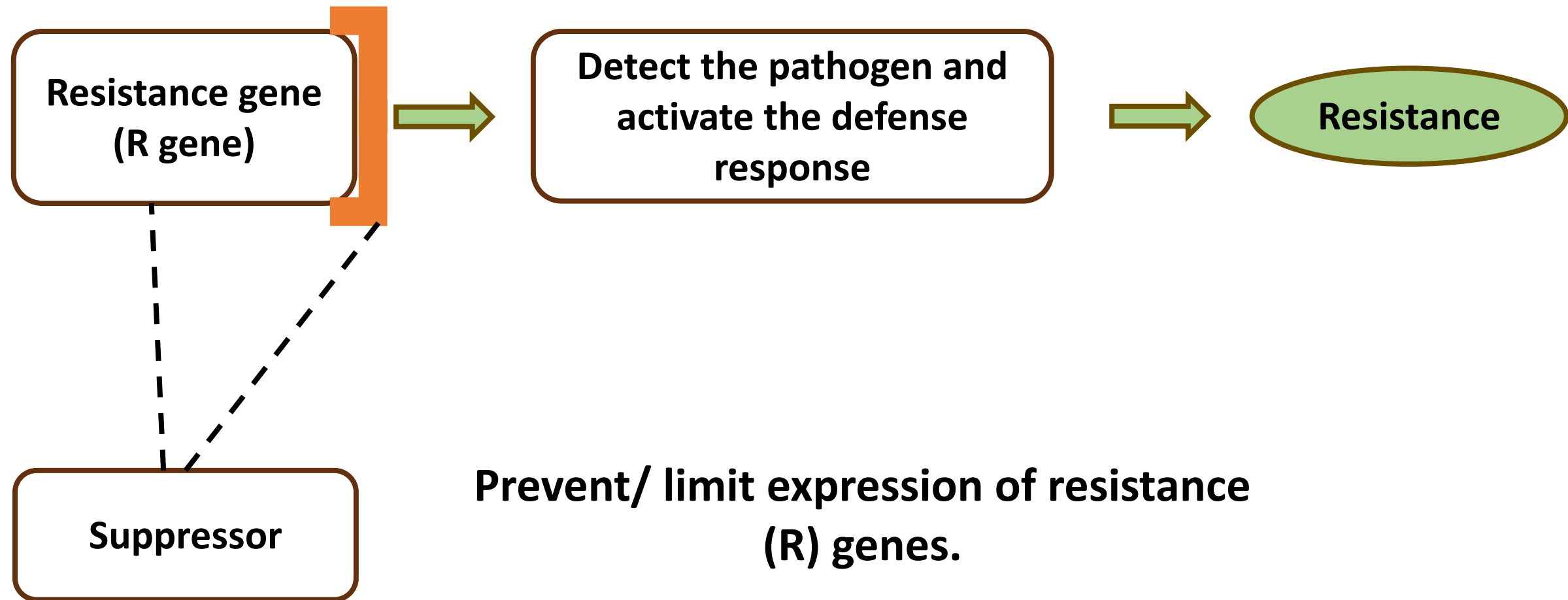
From Structural to Functional Wheat Genomics Workshop

PAG31

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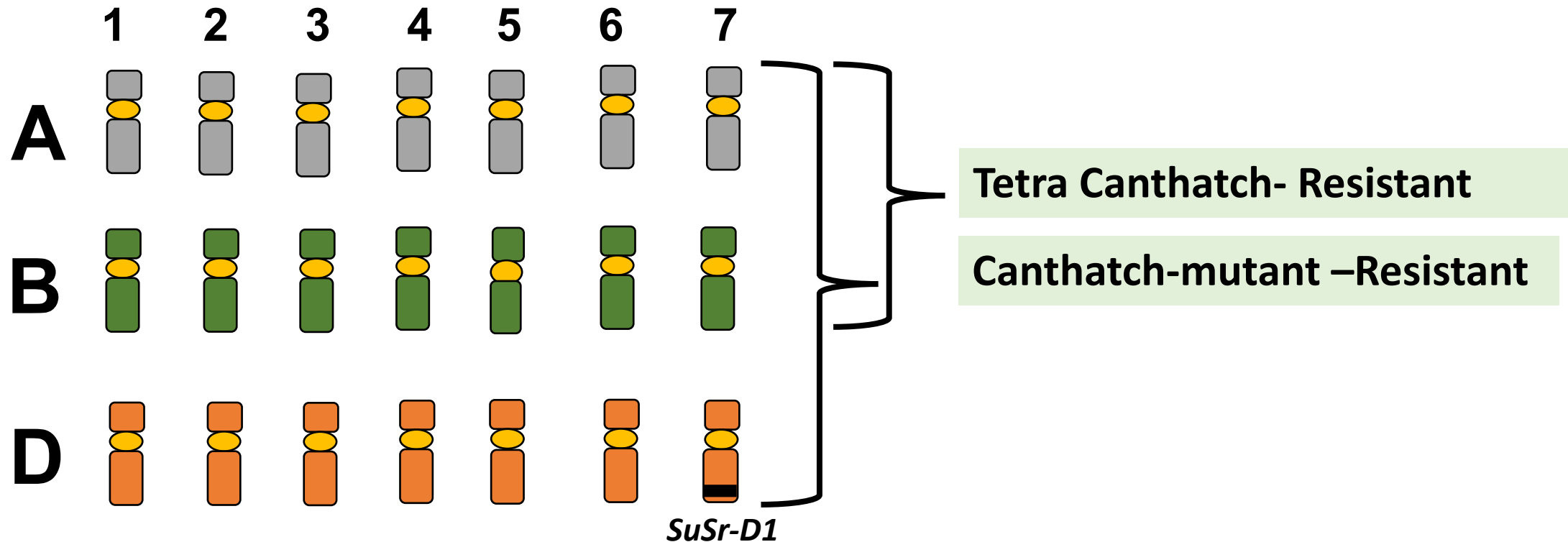


# Suppressors versus Resistance in wheat genomics

Diploid

Tetraploid

Hexaploid



# Diseases of interest

**Stem rust**

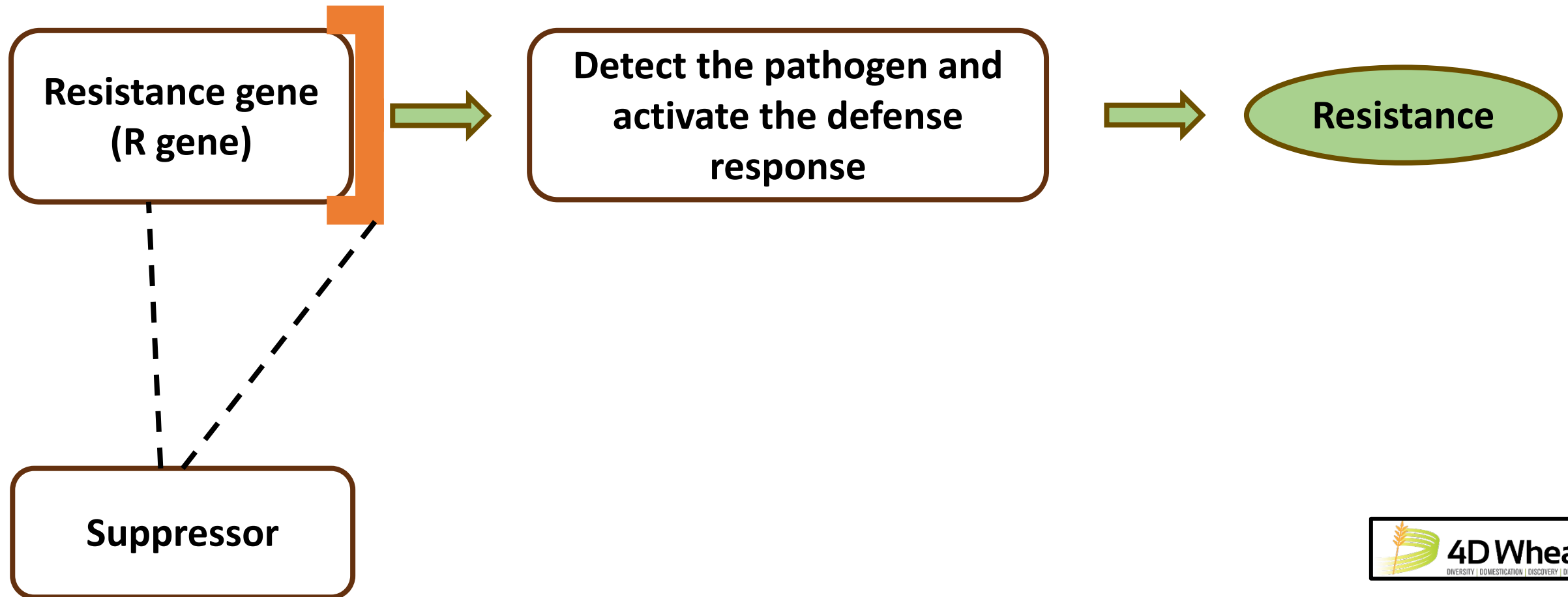
**Leaf rust**

Causative agent- *Puccinia graminis*

Causative agent- *Puccinia triticina*

# Suppression removal- untangle the genes interactions?

Untangle different expression pathways and leads to R gene expression

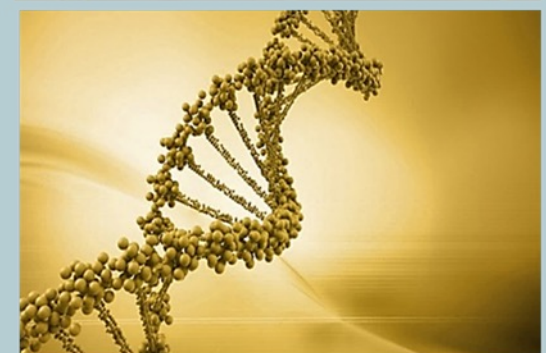


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## Funding resources:

- Canadian Wheat Research Coalition
- Western Grain Research Foundation
- Saskatchewan Wheat Development Commission
- Alberta Wheat Development Commission
- Manitoba Barley and Wheat Development Commission Government of Saskatchewan
- AAFC Partnership
- Viterra
- Illumina
- Ontario Ministry of Economic Development
- Job Creation & Trade (MEDJCT)



Thank You

