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### Markers for drought tolerant wheat

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## Markers For Drought Tolerant Wheat

**Objectives:** Find stress-related genetic markers to be used in plant breeding

**Outputs:** Identified genetic loci or markers for glaucousness, root proliferation, height and seed size.

**Impact:** Selecting for lines and cultivars that are consistently productive under varying water deficit conditions

**Deployment path:** Markers will be deployed in the next generation of 'breeder chip' by April 2017

**Delivery date:** April 2017



*Pictures show removal of blue-white glaucousness (wax) from wheat heads by virus-induced gene silencing (T1F3 and T1F4). Control infections with phytoene desaturase (PDS) have no effect.*

**Resources committed:** \$2.3M over 5 years

**Opportunity for collaboration:** Working with collaborator-selected traits and introgression of traits and/or markers into collaborator lines

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