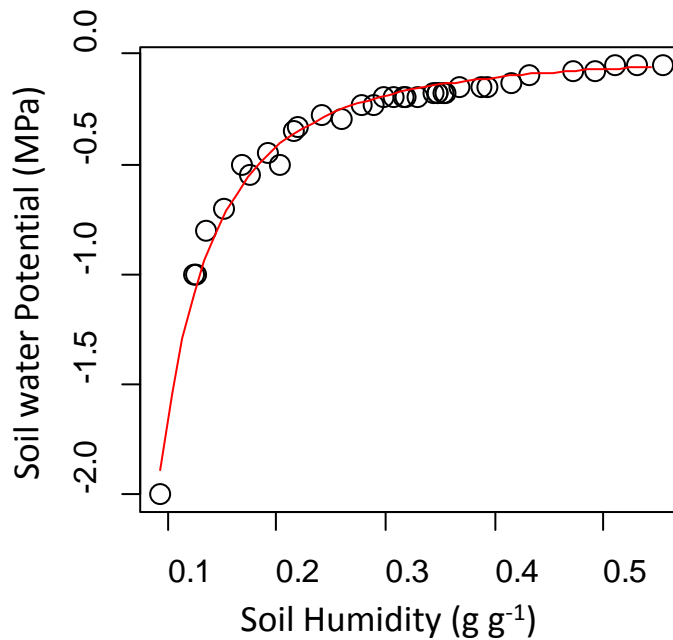


Combining field performance with controlled environment plant imaging to identify the genetic control of growth and transpiration underlying yield response to water deficit stress in wheat

Boris Parent, Fahimeh Shahinnia, Lance Maphosa, Bettina Berger, Huwaida Rabie, Ken Chalmers, Alex Kovalchuk, Peter Langridge, and Delphine Fleury

Supplemental Figures

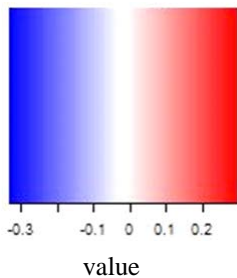
Supplementary Figure 1



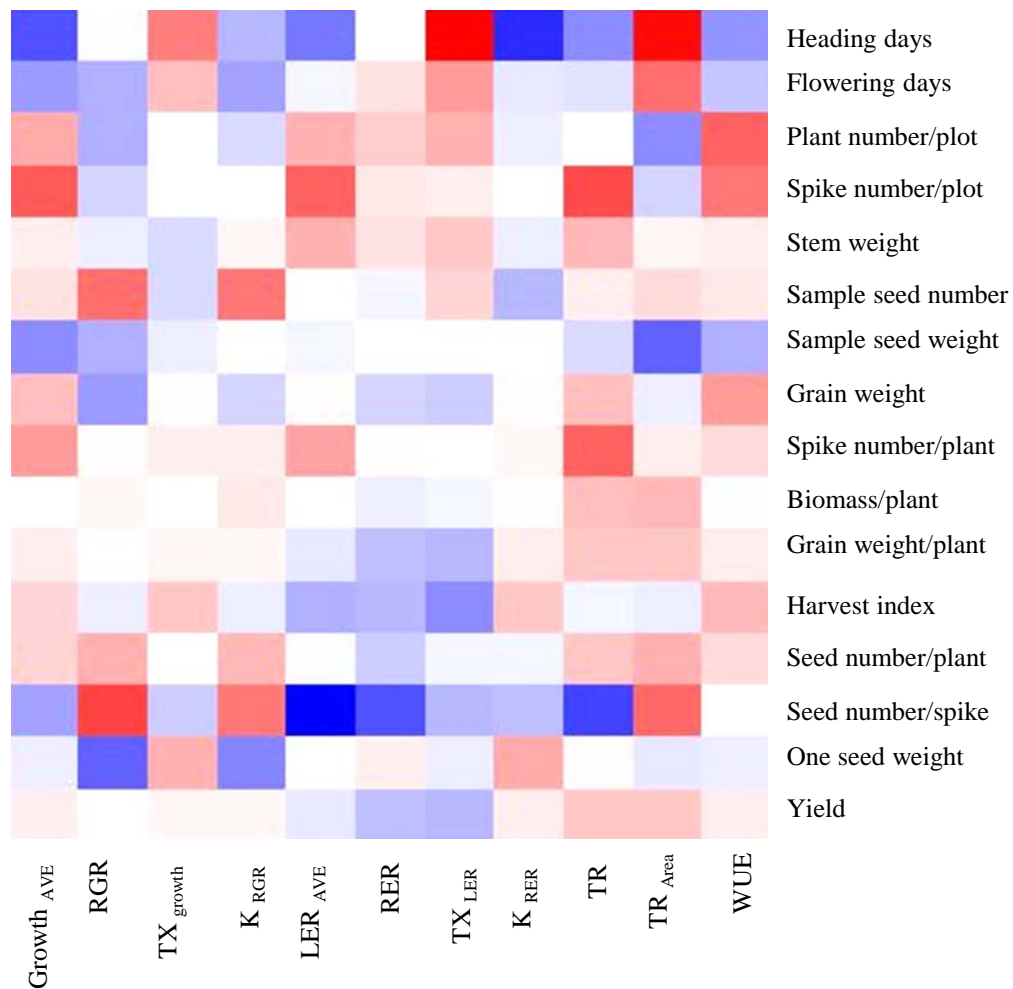
Supplementary Fig.1: *Water release curve of experiment in the imaging platform.*

Soil water content was measured by automatically weighing columns. Predawn leaf water potential was measured on non-expanding leaves, placed into a Scholander-type pressure chamber (Soil Moisture Equipment Corp., Santa Barbara, USA). Soil Humidity was derived from pot weight and soil dry weight. A Van Genuchten curve was fitted to these data.

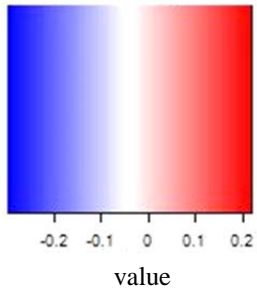
Key colour



Well-watered (platform) vs. polytunnel (field)



Key colour



Water deficit (platform) vs. polytunnel (field)

