WEIBERG 2013 SCIENCE

AGO1: At resistance gene silencing (Bc-mediated) (Weiberg 2013)

So nonfunctional mutants ago1 expect higher resistance

But may be more susceptible to transposon insertions!

DCL1/2: Bc B02.10 dicer for sRNA processing (Weiberg)

So nonfunctional mutants expect lower virulence

Potential problem: cell-localized response, undetectable if averaging transcriptional effects across large numbers of cells

Include economically dominant cultivars in studied genotypes?

Interface of fungal haustorium-host cell still poorly understood: how are effectors delivered to host?

Tomato, tobacco more susceptible than arabidopsis

qPCR for sRNA: ABI probes? Usually have to use Northern blot

MPK1 & 2, WAK, PRXIIF, MAPKKK4 (Sl) targeted by siRNAs

\*Review: siRNA in immunity, AGO, dicer – and paralogs of AGO, dicer

Read Balcombe 2013 Science for summary (& summary figure)