

Plant A



Plant B



*Pst1* expresses the *AvrPto* effector gene.  
Plant B expresses the *Pto* resistance gene while plant A does not.

Plant B is resistant, Plant A is not.

Plants dipped into *Pst1* solution

Plant A



Plant B



Plant B expresses the *Pto* resistance gene while plant A does not.

But *Pst2* doesn't express the *AvrPto* effector gene.

None of the plants are resistant.

Plants dipped into *Pst2* solution