

Disease screening: *Rhizoctonia* root rot. Control variety resistant to root rot growing in substrate inoculated with two isolates of *Rhizoctonia solani*



Rh-5

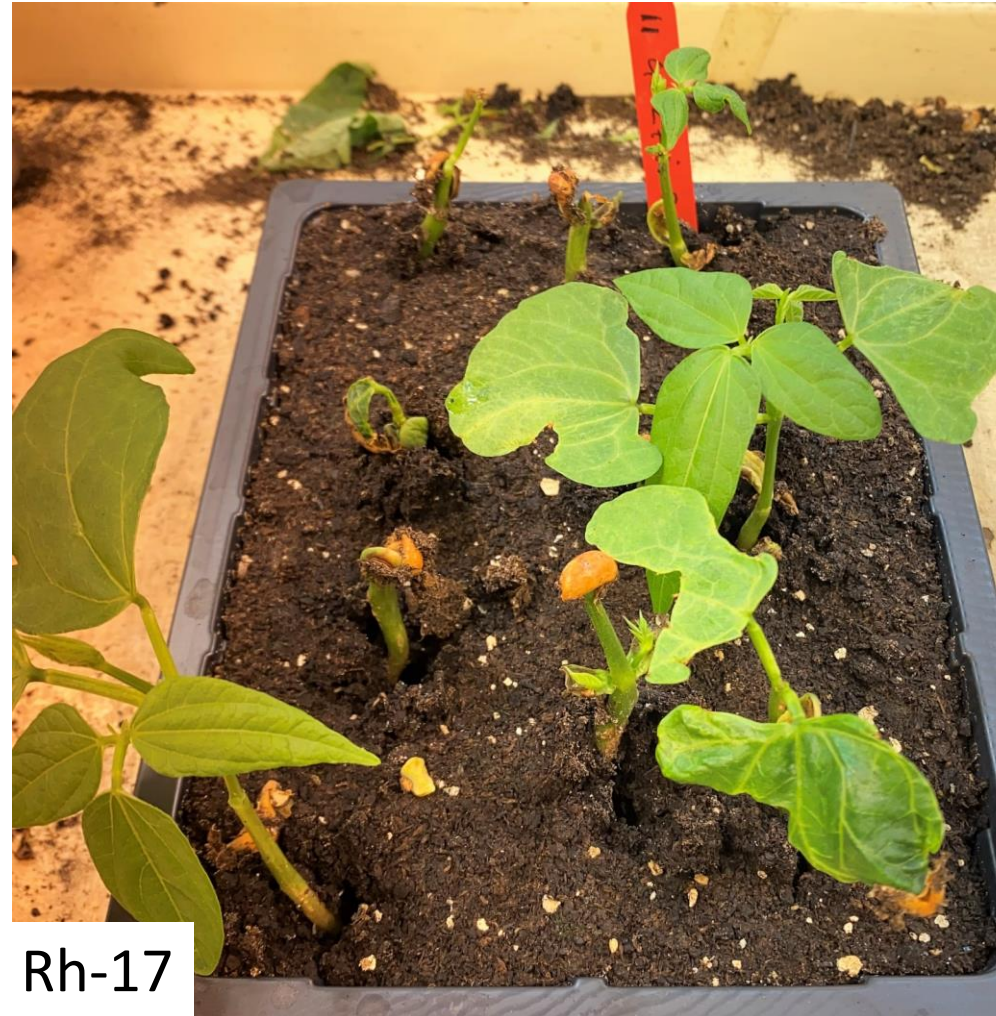


Rh-17

Disease screening: *Phaseolus vulgaris* x *cockineus* hybrid susceptible to both isolates of rhizoctonia root.



Rh-5



Rh-17

Disease screening: Wild *Phaseolus parvifolius* parent native to southern Mexico highly susceptible to rhizoctonia root rot.

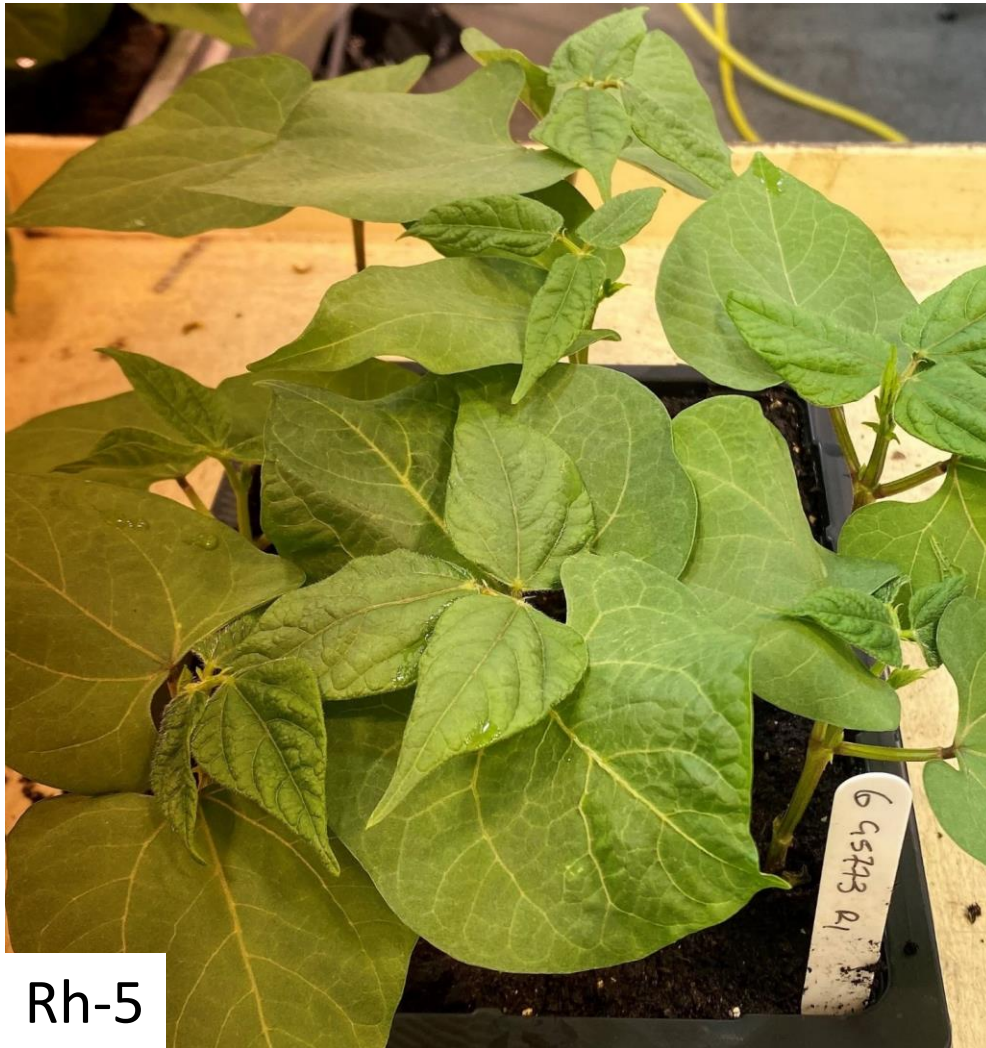


Rh-5

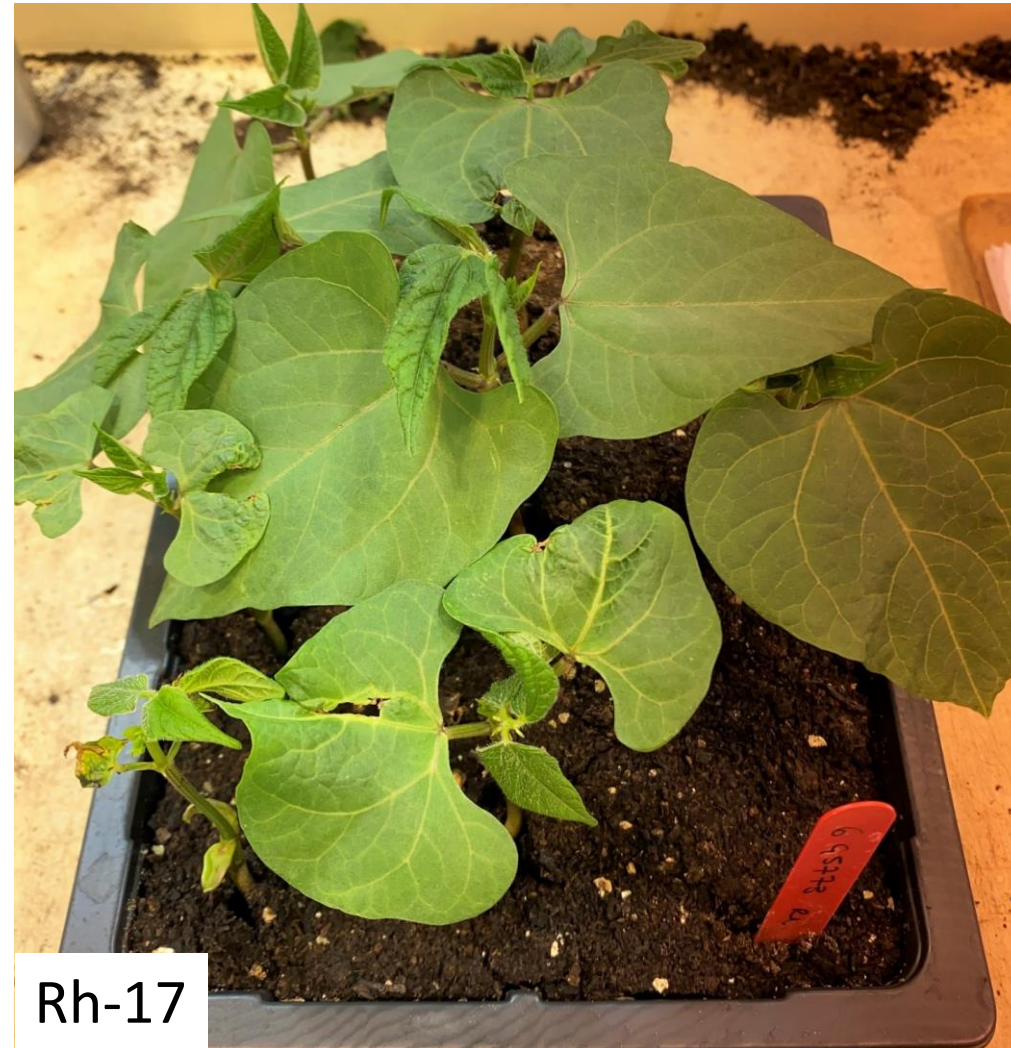


Rh-17

Disease screening: Cultivated *Phaseolus vulgaris* parent – resistant to both isolates.



Rh-5



Rh-17

Disease screening: *Phaseolus* 3-way hybrid resistant to both isolates of root rot.

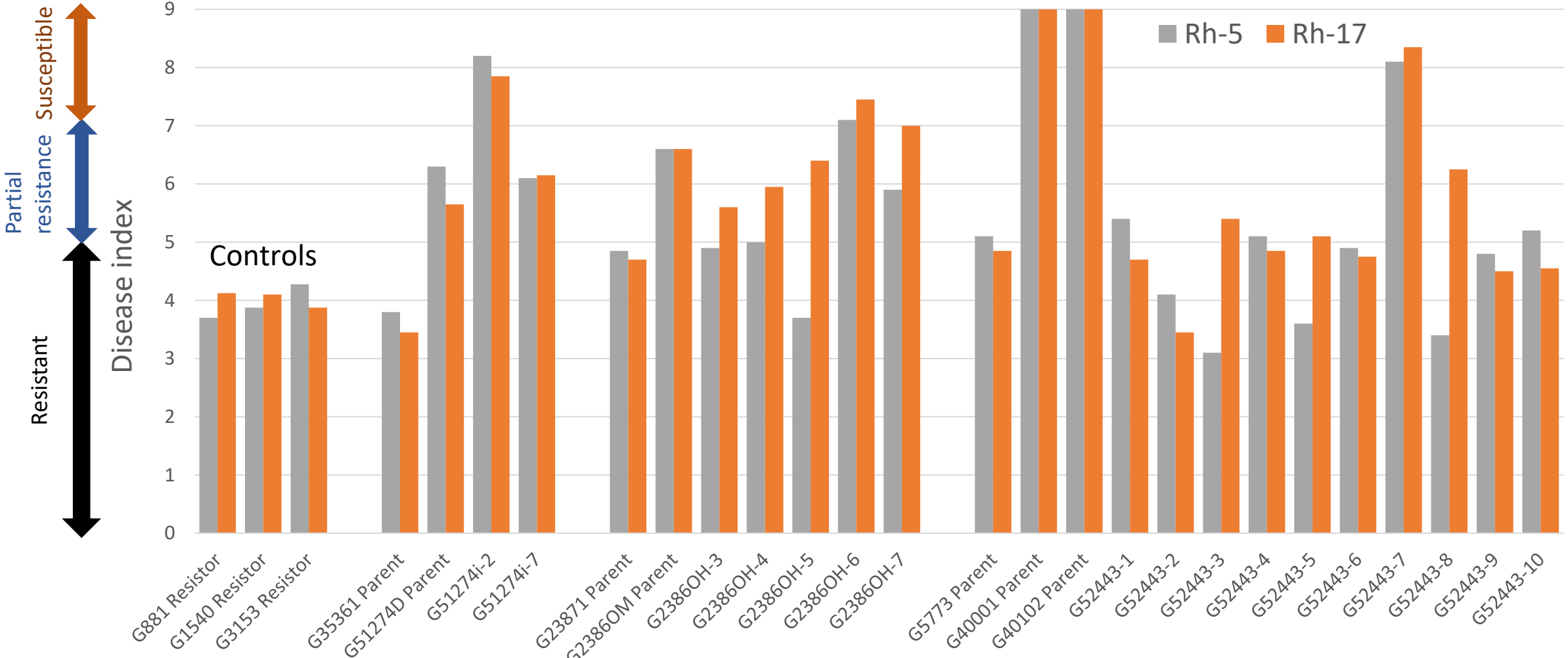


Rh-5



Rh-17

Disease screening: Rhizoctonia root rot



Controls

Complex 11
 Cultivated
P. vulgaris x *coccineus*
 hybrid

Complex 19
P. vulgaris wild x feral
 hybrid

Case 10: 3-way hybrid
P. vulgaris x *parvifolius* x
acutifolius

Disease index	Percentage (%)	Symptoms
0	No disease	No symptoms present
1	<5%	Lesion appearing
2	15%	Lesion present
3	25%	Superficial disease, plant still healthy
4	50%	Disease not penetrating stem
5		Disease penetrating stem, some stunting
6	>75	Disease lesion significant around and within stem
7		Lesions severe, plants stunted
8	>90%,	Withered and dying
9		Plant dead