

Supplemental Table 4. Host and nonhost resistance phenotypes of mutants resistant to *Erysiphe cichoracearum*.

Mutant	Phenotype with <i>E. cichoracearum</i>	Phenotype with <i>B. g. hordei</i> ^a	Source of Mutant
<i>acd1</i>	R ^b + Lesions	Like wild type	Greenberg and Ausubel, 1993
<i>acd2</i>	R + Lesions	Some stress callose	Mach et al., 2001
<i>acd5</i>	R + Lesions	Slightly more penetration	Liang et al., 2003
<i>acd6</i>	R + Lesions	Severe stress callose	Rate et al., 1999
<i>agd2</i>	R + Lesions	Severe vein callose	Rate and Greenberg, 2001
<i>cim7^c</i>	R + Lesions	No callose	Maleck et al., 2002
<i>cpr1</i>	R + Lesions	Severe stress callose	Clarke et al., 2001
<i>cpr5</i>	R + Lesions	Mesophyll and vein callose	“
<i>cpr6</i>	R	Stress and mesophyll callose	“
<i>dnd1</i>	R	Stress callose	Clough et al., 2000
<i>dnd1</i>	S	Less callose than <i>dnd1</i>	“
<i>NahG</i>			
<i>edr1</i>	R + Lesions	Some stress callose	Frye and Innes, 1998
<i>mil1</i>	R + Lesions	Stress callose	Vogel and Somerville, unpublished
<i>mil2</i>	R + Lesions	Some stress callose	“
<i>mil4</i>	R + Lesions	Stress callose	“
<i>mil5</i>	R + Lesions	Stress callose	“
<i>mil6</i>	R + Lesions	Like wild type	“
<i>mil7</i>	R	Increased callose deposition	“
<i>mil9</i>	R + Lesions	<i>pen</i> phenotype ^d	“
<i>mil10</i>	R + Lesions	Like wild type	“
<i>mil12</i>	R + Lesions	Slightly more penetration	“
<i>mil13</i>	R + Lesions	Stress callose	“
<i>mil14</i>	R + Lesions	spreading mesophyll callose	“
<i>mil15</i>	R + Lesions	Stress callose	“
<i>mil16</i>	R + Lesions	Stress callose	“
<i>mil17</i>	R + Lesions	Stress callose	“
<i>mil18</i>	R + Lesions	Stress and mesophyll callose	“
<i>mpk4</i>	R	Necrosis and stress callose	Petersen et al., 2000
<i>pmr1</i>	R	Like wild type	Vogel and Somerville, 2000
<i>pmr2</i>	R	Like wild type	“
<i>pmr3</i>	R	Like wild type	“
<i>pmr4^c</i>	R + Lesions	No callose	“
<i>pmr5</i>	R	Like wild type	Vogel et al., 2004
<i>pmr6</i>	R	Like wild type	Vogel et al., 2002

^a Plants were stained with aniline blue to visualize callose.

^b R, resistant; S, susceptible.

^c Sequencing of the *PMR4* gene in the *cim7* background showed *cim7* is identical in sequence to *pmr4-6*.

^dThe *PEN3* gene was sequenced and found to contain a point mutation that would lead to the replacement of a Trp codon in the wild type sequence to a stop codon in *mil9*.