

**Supplementary Table S1.** Mycelial colony growth (mm) of *Fusarium graminearum* FG2502 in Petri dishes after 5 days untreated and exposed to 1, 2, 4, 8 leaf discs collected at three growth stages of *Brassica juncea* 'Brons', *Raphanus sativus* 'Bokito' and *Eruca sativa* 'Trio' in leaf disc assay (first experiment)

Treatments	No. of leaf discs	Early-leaf stage	Stem-extension stage	Early-bud stage
		Mean mycelial colony growth (mm) of <i>Fusarium graminearum</i>		
Untreated	0	75	75	75
<i>Brassica juncea</i> 'Brons'	1	77	76	37
	2	73	68	33
	4	76	51	19
	8	48	8	0
<i>Raphanus sativus</i> 'Bokito'	1	74	75	75
	2	76	76	75
	4	77	76	76
	8	77	75	76
<i>Eruca sativa</i> 'Trio'	1	74	75	74
	2	77	75	75
	4	77	76	76
	8	76	76	76

**Supplementary Table S2.** Percentage incidence of *Fusarium graminearum* FG2502 recovered in inoculum (mean values) incubated for 8 weeks in jars filled with chopped brassica shoots and soil in closed jar assay (first experiment)

Treatments	% incidence <i>Fusarium graminearum</i> recovered in inoculum
Untreated	100
<i>Brassica juncea</i> 'Brons'	56
<i>Raphanus sativus</i> 'Bokito'	52
<i>Eruca sativa</i> 'Trio'	33