

**Table S1.** EC<sub>50</sub> values observed with different fungicides during *in vitro* growth of *Zymoseptoria tritici* in 96-well plates. Values were obtained as described in Experimental procedures, in a preliminary single assay. N. D. = not determined.

Strain	EC <sub>50</sub> (µg/mL)				
	Carboxin	Boscalid	Tolnaftate	Fludioxonil	Fenpiclonil
IPO323	2.407	0.838	1.836	1.424	0.469
IPO323Δ <i>MFSI</i> T1	N. D.	0.358	0.358	0.494	0.027
IPO323Δ <i>MFSI</i> T2	0.003	0.051	0.358	0.098	0.752
IPO323 <i>MFSI</i> <sup>MDR-TypeI</sup> 6.18	1.962	20.615	N. D.	1.981	0.945
IPO323 <i>MFSI</i> <sup>MDR-TypeI</sup> 6.20	0.991	12.091	9.086	0.836	0.851

**Table S2.** Evolution of the relative intracellular percentage of boscalid in *Z. tritici* during seven days of growth in 24-well plates in YSS medium.

Day	Relative intracellular percentage of boscalid			
	IPO323	IPO323 $\Delta mfsI$ *	IPO323 $MFSI^{MDR-TypeI}$ *	SE31
0	1.83 $\pm$ 0.21	0.48 $\pm$ 0.04	0.89 $\pm$ 0.004	1.50 $\pm$ 0.18
1	1.93 $\pm$ 0.45	1.54 $\pm$ 0.16	2.48 $\pm$ 1.24	1.51 $\pm$ 0.05
2	1.38 $\pm$ 0.21	2.17 $\pm$ 0.45	1.10 $\pm$ 0.03	1.62 $\pm$ 0.01
3	5.53 $\pm$ 0.44	9.04 $\pm$ 0.76	1.28 $\pm$ 0.38	2.96 $\pm$ 0.20
4	15.65 $\pm$ 1.40	35.29 $\pm$ 0.87	2.33 $\pm$ 0.11	2.89 $\pm$ 0.12
7	16.05 $\pm$ 2.08	24.28 $\pm$ 2.32	2.14 $\pm$ 0.36	18.28 $\pm$ 0.12

\*indicated values are means of n=2 biological replicates of two independent mutants per genotype

**Table S3.** EC<sub>50</sub> values (µg/mL) of tested *Z. tritici* strains towards boscalid. Values were obtained as described in Experimental procedures (N = 2-10 independent assays).

Strain	Day	EC <sub>50</sub> (µg/mL)
IPO323	3	0.519 ± 0.045
	4	0.527 ± 0.031
	7	1.553 ± 0.327
IPO323Δ <i>mfsI</i> *	3	0.185 ± 0.011
	4	0.231 ± 0.052
	7	0.27 ± 0.053
IPO323 <i>MFSI</i> <sup>MDR-TypeI*</sup>	3	2.098 ± 0.247
	4	3.819 ± 0.586
	7	6.2 ± 0.391
SE31	3	0.498 ± 0.025
	4	0.663 ± 0.030
	7	0.87 ± 0.033

\*indicated values are means of n=2 biological replicates of two independent mutants per genotype