

**Table S1.** Statistics from a mixed model analysis of Fusarium wilt resistance among 565 strawberry germplasm accessions grown in randomized complete blocks experiment designs in 2016 and 2017 in Davis, California.

Source	Degrees of Freedom	Mean Square	F	$p > F$	Percent $\sigma^2_{Phenotype}$ Explained
2016					
Block	3	0.07	0.31	0.82	0.000
Accession	564	13.48	59.37	$< 2.23 \times 10^{-308}^a$	0.936
Residual	1681	0.23			0.064
2017					
Block	3	5.07	6.97	$1.16 \times 10^{-4}$	0.003
Accession	558	7.02	9.64	$1.02 \times 10^{-295}$	0.674
Residual	1774	1.10			0.322
Combined					
Block	3	3.03	6.26	$3.10 \times 10^{-4}$	0.000
Accession	564	13.48	27.75	$< 2.23 \times 10^{-308}^a$	0.661
Year	1	8.20	16.83	$4.19 \times 10^{-5}$	0.054
Accession $\times$ Year	558	2.01	4.15	$1.34 \times 10^{-146}$	0.127
Residual	3458	0.49			0.158

<sup>a</sup> $2.23 \times 10^{-308}$  being the default smallest representable value in R. R analyses return 0.