

**Table S2.** The effect of *Arabidopsis thaliana* genotypic diversity and *Hyaloperonospora arabidopsidis* (*Hpa*) on seed mass produced per plant in a pair-wise interaction experiment. A linear mixed model was used to analyse each factor and all interactions between them. Fixed effects included experimental repeat, genotype, cultivation (2-way mixture/monoculture) and *Hpa* (presence/absence). Non-significant terms were eliminated from the model. *F* and *P* values refer to ANOVA tests of each factor separately and the interactions between them. N=1600.

<b>Fixed term</b>	<b>F</b>	<b>n.d.f.</b>	<b>d.d.f.</b>	<b>P</b>
Experiment	209.68	1	587.1	<0.001
Genotype	5.69	3	586.7	<0.001
Cultivation method	7.34	1	858.6	0.007
<i>Hpa</i>	0.24	1	586.9	0.621
Experiment. Genotype	86.57	3	587.1	<0.001
Genotype. Cultivation	5.30	3	586.0	<0.001
Experiment. <i>Hpa</i>	58.50	1	587.1	<0.001
Genotype. <i>Hpa</i>	32.63	3	587.0	<0.001
Genotype. <i>Hpa</i> . Experiment	6.00	3	587.2	<0.001
Genotype. <i>Hpa</i> . Cultivation	3.54	4	585.5	0.007