Table S6. The effect of *Arabidopsis thaliana* genotypic diversity and *Hyaloperonospora* arabidopsidis (*Hpa*) on seed productivity 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 (monoculture,/2-way mixture,/4-way mixture), *Hpa* (presence/absence) and cultivation (mixture/monoculture). 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.

Fixed term	F	n.d.f.	d.d.f.	Р
Experiment	236.07	1	636.1	< 0.001
Genotype	1.65	3	1116.6	0.2
Cultivation	6.76	2	484.5	0.001
Нра	0	1	635.0	0.98
Experiment. Genotype	130.56	3	1111.8	< 0.001
Genotype. Cultivation	6.44	6	1179.4	< 0.001
Experiment. Hpa	60.04	1	636.6	< 0.001
Genotype. Hpa	48.26	3	1112.9	< 0.001
Experiment. Genotype. Hpa	10.09	3	1110.4	< 0.001
Genotype. Cultivation. Hpa	2.44	8	990.4	0.01