

Supplementary files captions

Figure S1. Plant morphology 26 days post-inoculation with downy mildew under high humidity.

Note the heavy disease symptoms on P-RL-7-0.5%EMS-2, P-RL-7-0.5%EMS-10 and P-RL-CTL4-2 clones.

Figure S2. Correlations between SNP diversity in *HS2* and mean DM reaction.



P-RL-7-0.5%EMS-2



P-RL-7-0.5%EMS-10



P-RL-7-0.5%EMS-4



P-RL-7-1%EMS-6



P-RL-7-0.5%EMS-19



Alpha-0.5%EMS-5



Alpha-0.5%EMS-6



P-RL-CTL4-2

Correlation between SNP diversity and DM infection rate

