**Table A1. Top 30 SNPsfor Hyphal Waviness Across 97 *B. cinerea* Isolates.**The top 30 SNP effect estimates from GWA of hyphal waviness on 91 *Botrytis cinerea* isolates. The rows are ordered by descending hyphal waviness. Zero indicates that the SNP matched the reference allele, while 1 indicates SNPs that differ from the reference. Blue indicates the allele correlated with decreasing hyphal waviness, red indicates increasing hyphal waviness.

**Table A2. Pearson and Spearman Correlations for Multiple *B. cinerea* PhenotypeInteractions with Hyphal Waviness.**

Listed are correlations between *Botrytis cinerea* phenotypes. In each row, *B. cinerea* hyphal waviness is correlated to one additional *B. cinerea* phenotype, including media composition, lesion size on eudicot host leaves, and lesion eccentricity on *Arabidopsis thaliana*. Types of media included Sugar and Pectin agar plates with recorded growth at 48 and 72 hours. Lesion size on eudicots and eccentricity were measured by digital image analysis as described in XXX.

**Table A3. ANOVA results of 97 *Botrytis cinerea* isolates measured for hyphal waviness.**

Shown are Degrees of Freedom, Type III Sums-of-Squares, F-value and p-value for ANOVA of the linear model of hyphal waviness of 97 *B. cinerea* isolates. The terms are as follows: Isolate is the 97 *B. cinerea* isolates, PlateBlock is the randomization factor of the isolates per media, Date is the recorded date of phenotyping. Interactions of these factors were also tested (:).

**Figure A1. Variation in *B. cinerea* hyphal waviness across 97 genetically diverse isolates**

The violin plots show the distribution of hyphal waviness across 97 B. cinerea isolates. The 75th percentile distributions are shown in each box and are ordered by increasing mean hyphal waviness.

**Figure A2. GWA of *B. cinerea* hyphal waviness on potato dextrose agar.**

A manhattan plot of estimated SNP effect size for *Botrytis cinerea* hyphal waviness with *B. cinerea* chromosomes as alternating black and white regions. 99.9% thresholds of effect size estimate from permutation analysis are displayed as horizontal dashed lines.

**Figure A3. Interactions of B. cinerea lesions size on Eudicots with hyphal waviness of B. cinerea.** - pearson

Scatter plots of various eudicot lesion sizes due to B. cinerea isolates compared against B. cinerea hyphal waviness based on 97 individual isolates. Each point is an isolate interaction of the marginal means of lesion size with marginal means of hyphal waviness.

A) Least Square Mean lesion size on *Cichorium endivia*

B) Least Square Mean lesion size on *Brassica rapa*

C) Least Square Mean lesion size on *Cichorium intybus*

D) Least Square Mean lesion size on *Glycine max* (soy bean)

E) Least Square Mean lesion size on *Helianthus annuus*

F) Least Square Mean lesion size on Solanum

G) Least Square Mean lesion size on Tomato