

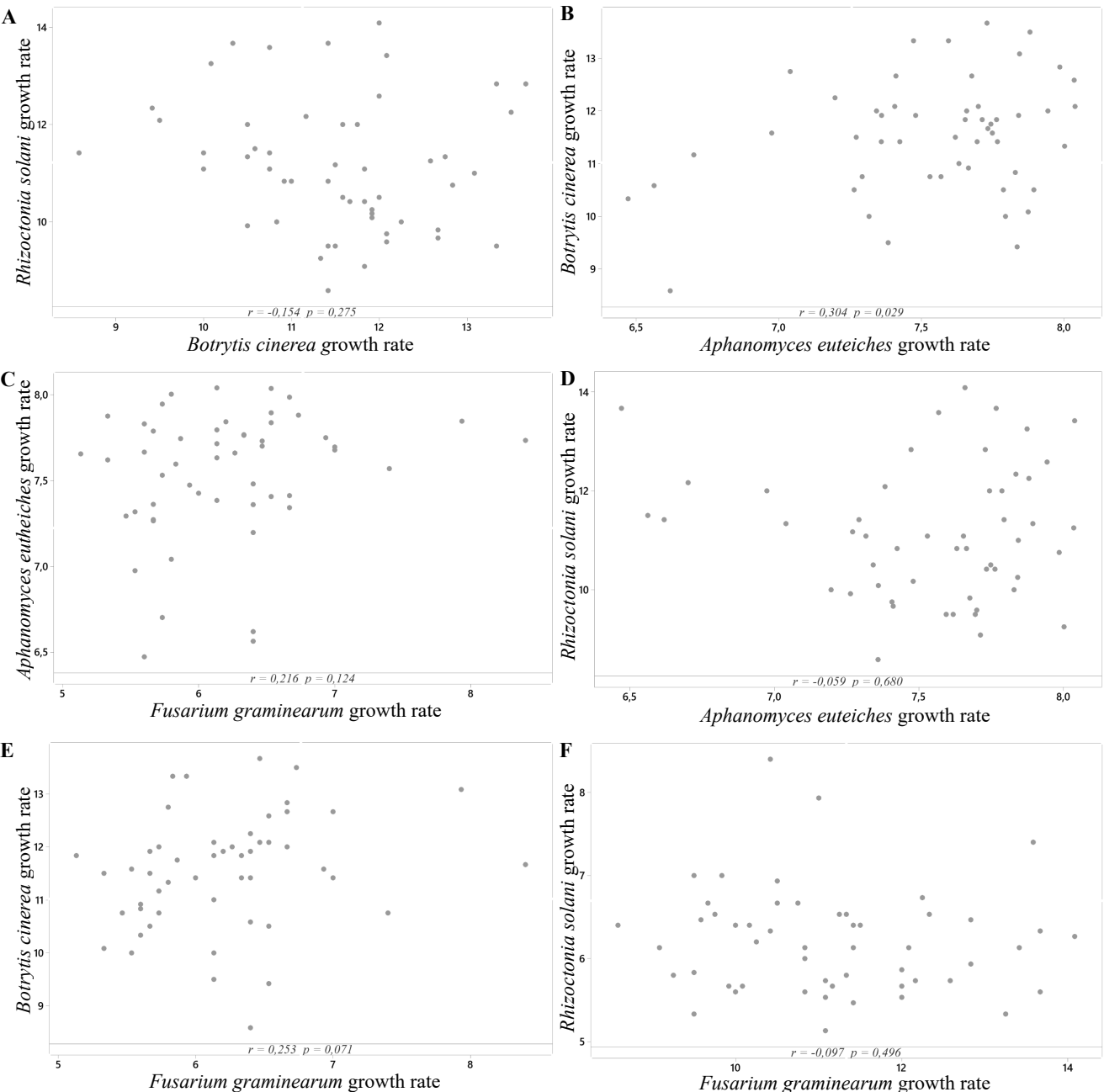


Figure S1. Comparison of *Clonostachys rosea* antagonism towards different hosts. Pairwise regression analysis conducted on hosts growth rate. (A) Correlation between growth rate inhibition of *Rhizoctonia solani* and *Botrytis cinerea*. (B) Correlation between growth rate inhibition of *Botrytis cinerea* and *Aphanomyces euteiches*. (C) Correlation between growth rate inhibition of *Aphanomyces euteiches* and *Fusarium graminearum*. (D) Correlation between growth rate inhibition of *Rhizoctonia solani* and *Aphanomyces euteiches*. (E) Correlation between growth rate inhibition of *Botrytis cinerea* and *Fusarium graminearum*. (F) Correlation between growth rate inhibition of *Rhizoctonia solani* and *Fusarium graminearum*.

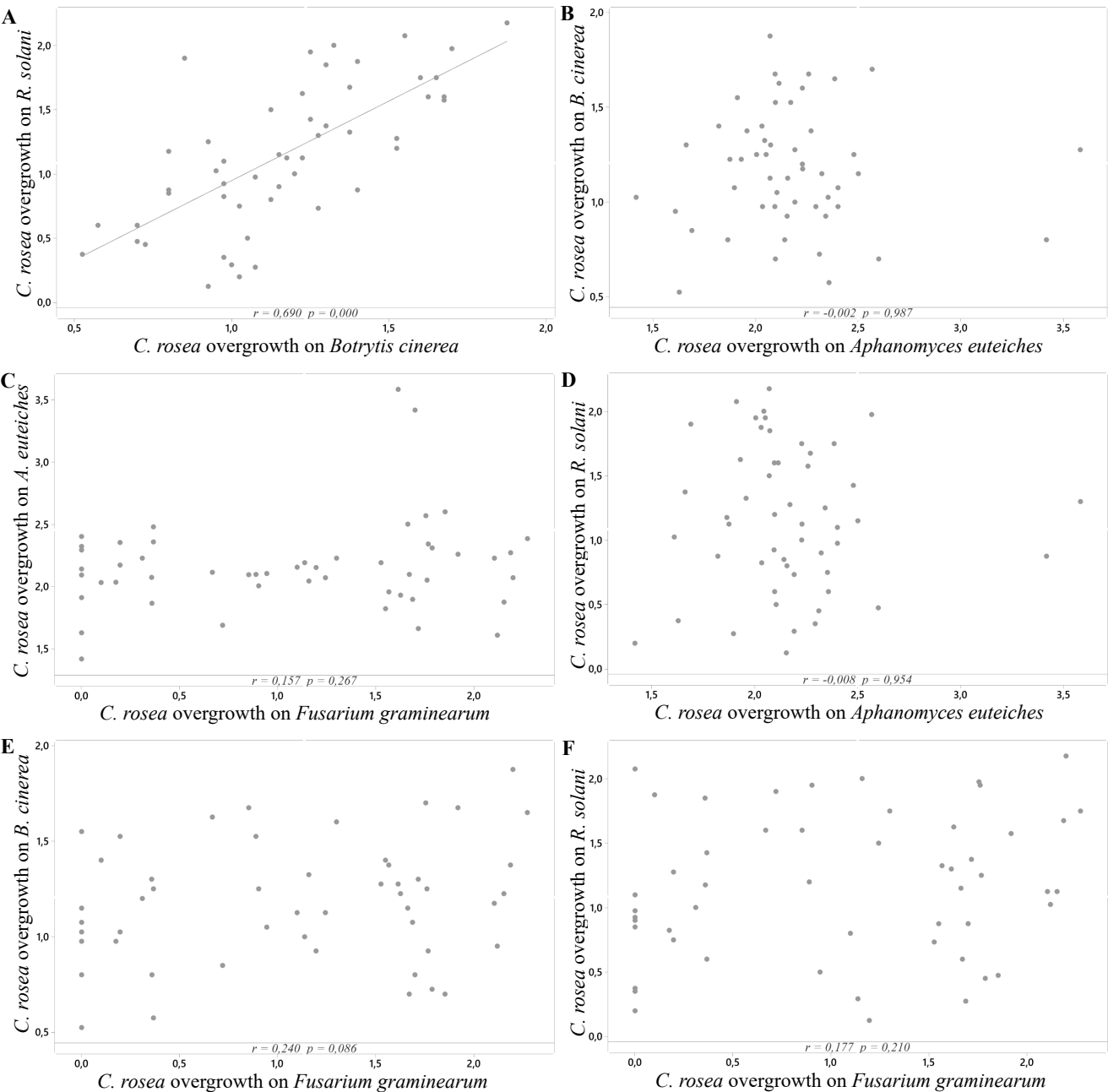


Figure S2. Comparison of *Clonostachys rosea* overgrowth on different hosts. Pairwise regression analysis conducted on *C. rosea* overgrowth rate on tested hosts. (A) Correlation between *C. rosea* overgrowth rate on *Rhizoctonia solani* and *Botrytis cinerea*. (B) Correlation between *C. rosea* overgrowth rate on *Botrytis cinerea* and *Aphanomyces euteiches*. (C) Correlation between *C. rosea* overgrowth rate on *Aphanomyces euteiches* and *Fusarium graminearum*. (D) Correlation between *C. rosea* overgrowth rate on *Rhizoctonia solani* and *Aphanomyces euteiches*. (E) Correlation between *C. rosea* overgrowth rate on *Botrytis cinerea* and *Fusarium graminearum*. (F) Correlation between *C. rosea* overgrowth rate on *Rhizoctonia solani* and *Fusarium graminearum*.

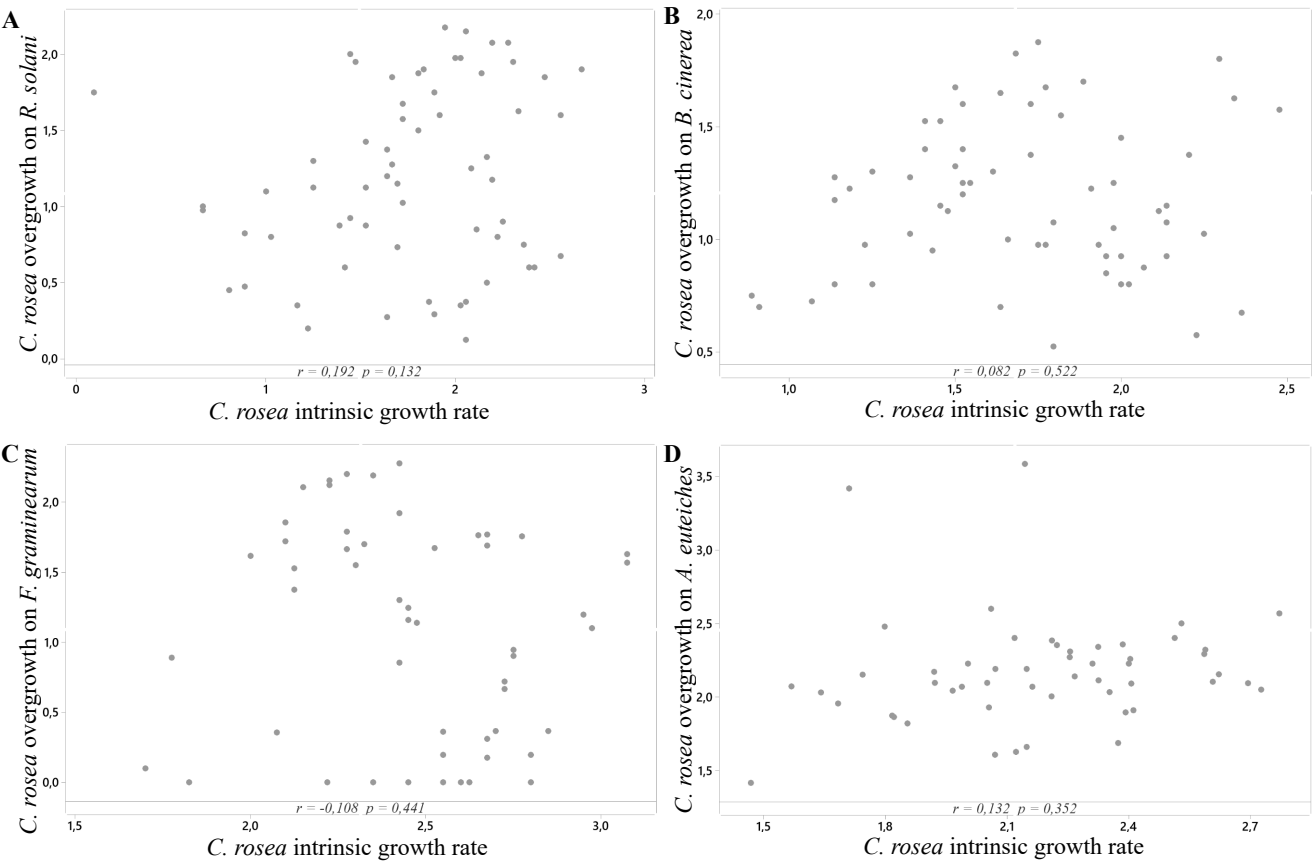


Figure S3. Comparison of *Clonostachys rosea* intrinsic growth rate with overgrowth on tested hosts. Pairwise regression analysis conducted on *C. rosea* intrinsic growth rate and its overgrowth on different hosts growth rate. (A) Correlation between *C. rosea* intrinsic growth rate and its overgrowth on *Rhizoctonia solani*. (B) Correlation between *C. rosea* intrinsic growth rate and its overgrowth on *Botrytis cinerea*. (C) Correlation between *C. rosea* intrinsic growth rate and its overgrowth on *Fusarium graminearum*. (D) Correlation between *C. rosea* intrinsic growth rate and its overgrowth on *Aphanomyces euteiches*.

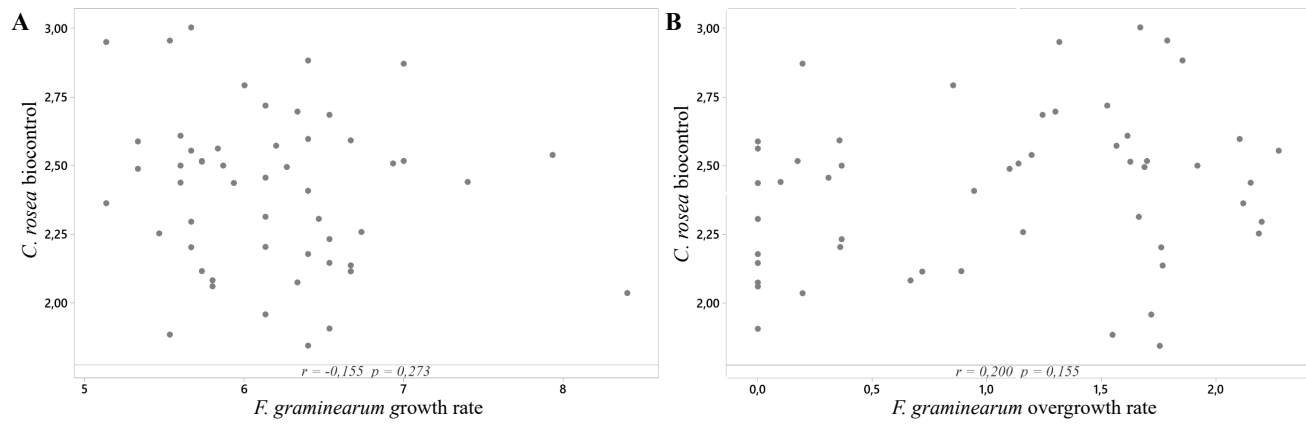


Figure S4. Comparison of *Clonostachys rosea* biocontrol on *Fusarium graminearum*. Pairwise correlation analysis conducted on *F. graminearum* growth rate and overgrowth rate. (A) Correlation between biocontrol efficacy of *C. rosea* and *F. graminearum* in vitro growth rate. (B) Correlation between biocontrol efficacy of *C. rosea* and *F. graminearum* in vitro overgrowth.