Chemical analyses and insect interactions of an easO mutant of Metarhizium brunneum

Data supporting Steen et al. 2021. Applied and Environmental Microbiology 88:e00748-21

Data are contained in an excel file with separate tabs for each of the major data sets. The tab labeled “hplc data” contains data contributing to Table 1 of the Applied and Environmental Microbiology article. Variables are ergot alkaloids listed in column headers, where LAH is lysergic acid alpha-hydroxyethylamide, and lysergyl ala is lysergyl alanine. Area columns are area recorded from HPLC chromatograms and are provided only for completeness. The “deu ala” tab contains data supporting the statistical analyses in Fig. 3. Variables are the ratio of the m/z 316 ion (LAH containing four deuteriums) to m/z 312 ion (LAH containing no deuteriums) relative to the ratio of m/z 315 ion (LAH containing three deuteriums) to m/z 312 ion (LAH with no deuterium). The tab labeled “insect survival” contains insect survival data used to prepare Figure 4. The dependent variable is the number of new dead larvae at a given time point. The “spores” tab contains data used to prepare Figure 5. The variable is the number of spores produced per mL (which corresponds to an individual larva). The data in each tab are arrayed to be copied and pasted into a JMP worksheet.