



Figure S1. Chemical analyses of FB₁. **A)** HPLC-HRMS comparison of FB₁ produced by the *F. verticillioides* WT with the chemical standard. Extracted ion chromatograms for $m/z = 722.3957 \pm 5$ ppm, and **B)** measured accurate masses. **C)** Intracellular accumulation of FB₁ in Δ fum17-19, Δ fum19 and OE::FUM19 mutants. Extracts from washed mycelium were analyzed *via* HPLC-HRMS. **D)** The fungal biomass of FUM17, FUM18 and FUM19 mutants was determined after freeze-drying of the harvested mycelium. Indicated strains were grown in ICI/6 mM Gln shaking culture for 7 days. FB₁ production and biomass of the WT were arbitrarily set to 100%, respectively. Data are mean values \pm standard deviation ($n = 3$). For statistical analysis, the mutants were compared with the WT using the student's *t*-test: *, $p < 0.05$.