



Figure S5: Causal path model for the difference between canopy and ambient temperature and absolute humidity that was consistent with the data ($p=0.058$, $df=32$, Fisher's $C=45.47$), where solid arrows show a causal relation and dashed double-headed arrows indicate correlations without a specified direction. The values denote the standardized path coefficients. The color of the boxes denote the following: *white* represents the climate variables, *grey* represents the climate control measures, *green* represents the crop and *orange* represents radiation. Abbreviations: $R_{outside}$ is outside global radiation; R_{inside} is inside global radiation; HPS is High Pressure Sodium lamps, supplemental assimilation lighting; Window is window opening (open or closed); Screen is shading screen position (open or closed); T_{pipe} is temperature of the heating pipe; LAI is leaf area index; $T_{ambient}$ is ambient temperature, temperature above canopy; $q_{ambient}$ is ambient absolute humidity, absolute humidity above canopy; ΔT is difference between ambient temperature and air temperature in the canopy; Δq is difference between ambient absolute humidity and absolute humidity in the canopy. Also see Table 1.