

Fig. S1 Changes in relative content of 16 sugars in response to the Spm application under different conditions. Vertical bars indicate \pm SE of mean ($n=4$). Different letters above striated or gray columns indicate significant differences for a particular treatment (Control or +Spm) for comparison among normal condition, water stress, and heat stress; the asterisk “*” indicates significant differences between the Control and the +Spm under one particular condition (normal condition, water stress, or heat stress) based on LSD ($P<0.05$).

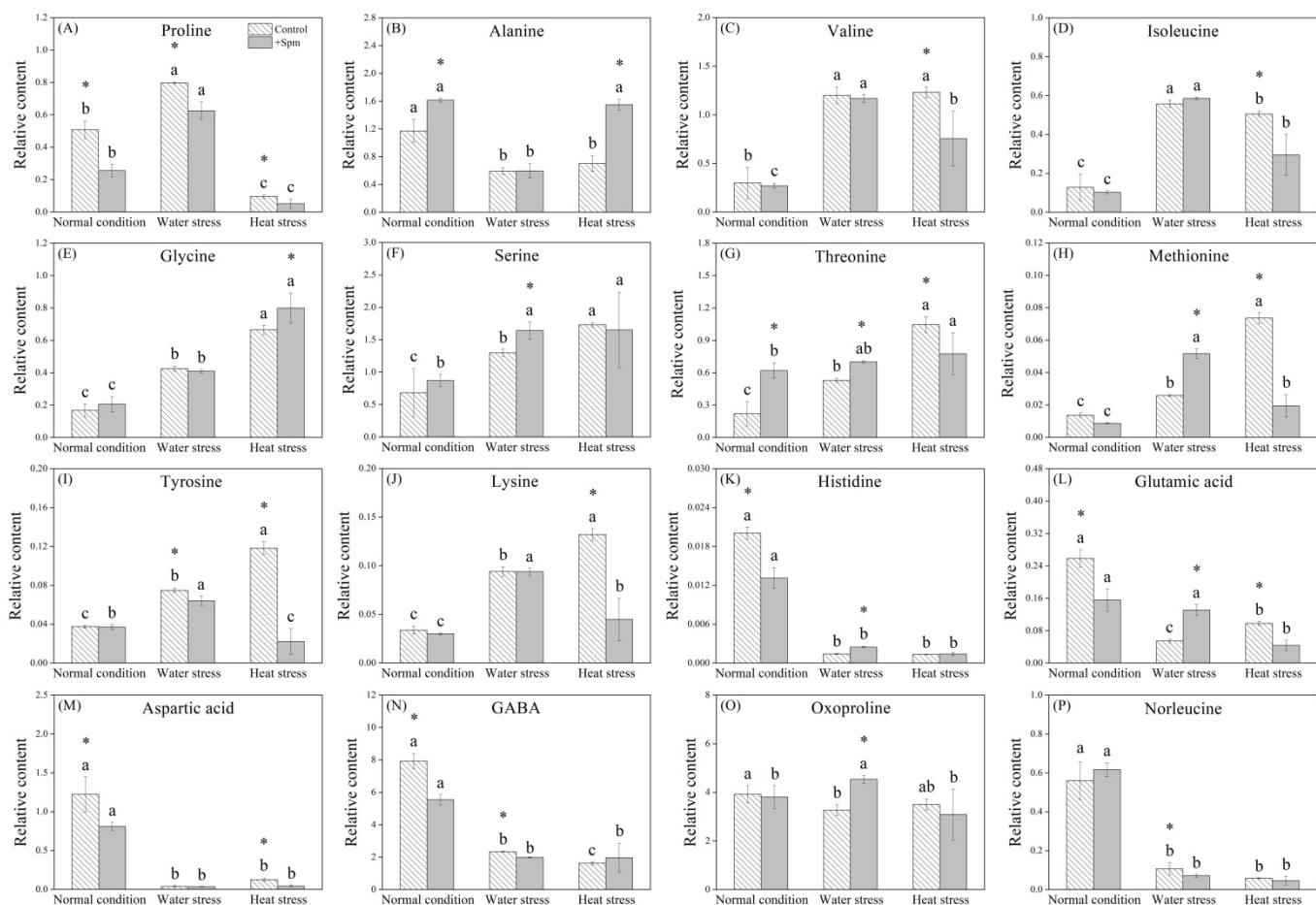


Fig. S2 Changes in relative content of 16 amino acids in response to the Spm application under different conditions. Vertical bars indicate \pm SE of mean ($n=4$). Different letters above striated or gray columns indicate significant differences for a particular treatment (Control or +Spm) for comparison among normal condition, water stress, and heat stress; the asterisk “*” indicates significant differences between the Control and the +Spm under one particular condition (normal condition, water stress, or heat stress) based on LSD ($P<0.05$).

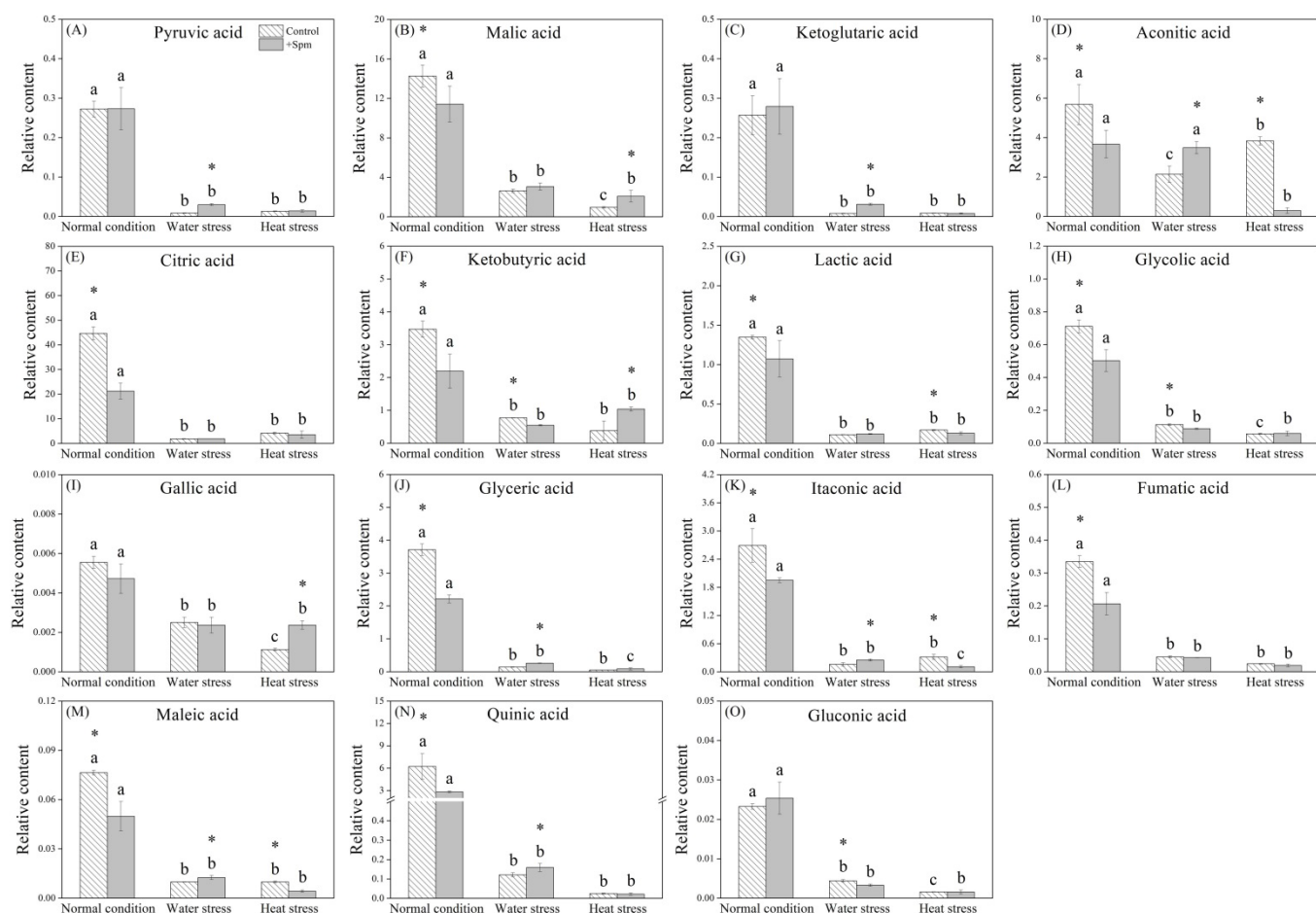


Fig. S3 Changes in relative content of 15 organic acids in response to the Spm application under different conditions. Vertical bars indicate \pm SE of mean ($n=4$). Different letters above striated or gray columns indicate significant differences for a particular treatment (Control or +Spm) for comparison among normal condition, water stress, and heat stress; the asterisk “*” indicates significant differences between the Control and the +Spm under one particular condition (normal condition, water stress, or heat stress) based on LSD ($P<0.05$).

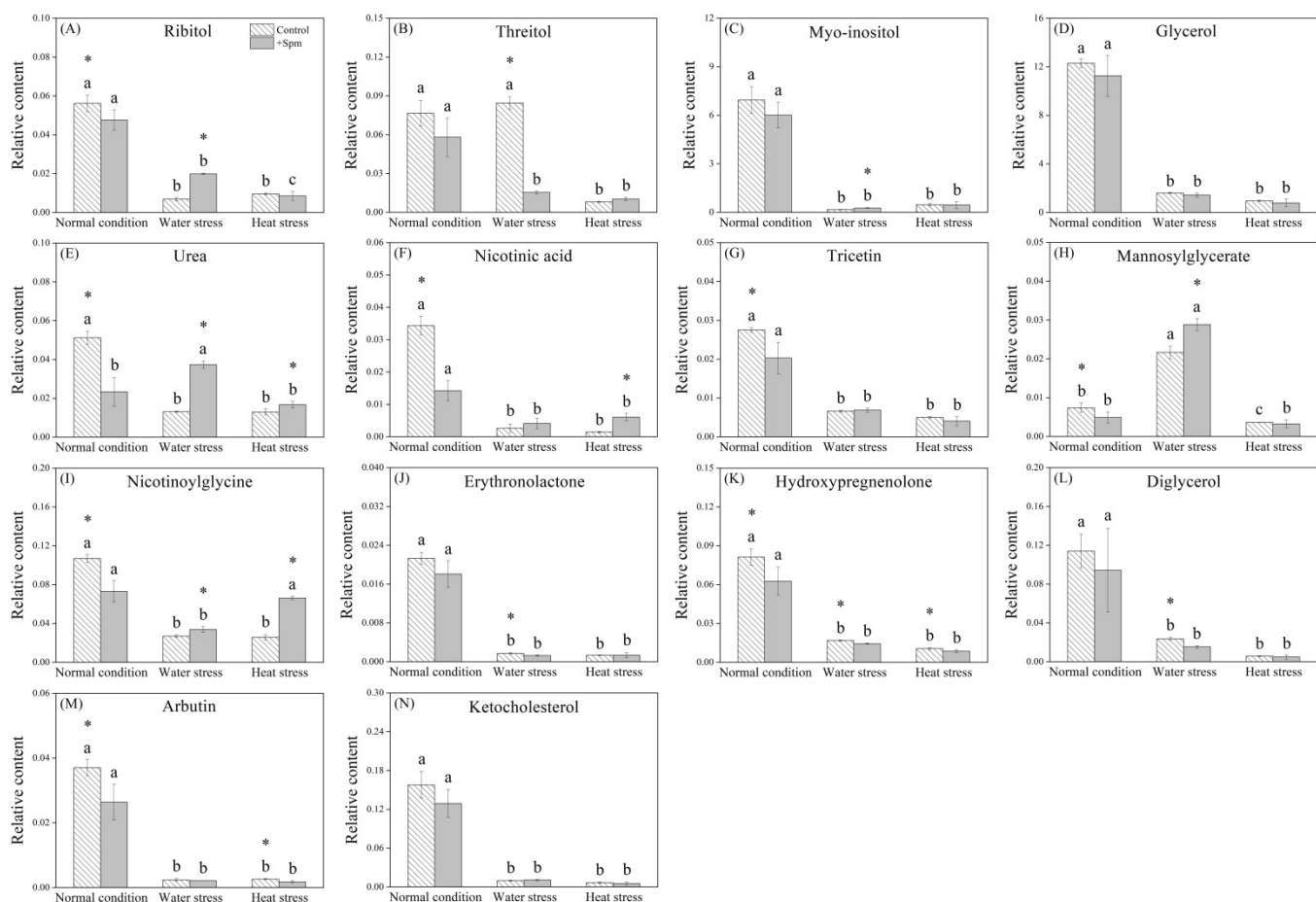


Fig. S4 Changes in relative content of 14 other metabolites in response to the Spm application under different conditions. Vertical bars indicate \pm SE of mean ($n=4$). Different letters above striated or gray columns indicate significant differences for a particular treatment (Control or +Spm) for comparison among normal condition, water stress, and heat stress; the asterisk “*” indicates significant differences between the Control and the +Spm under one particular condition (normal condition, water stress, or heat stress) based on LSD ($P<0.05$).