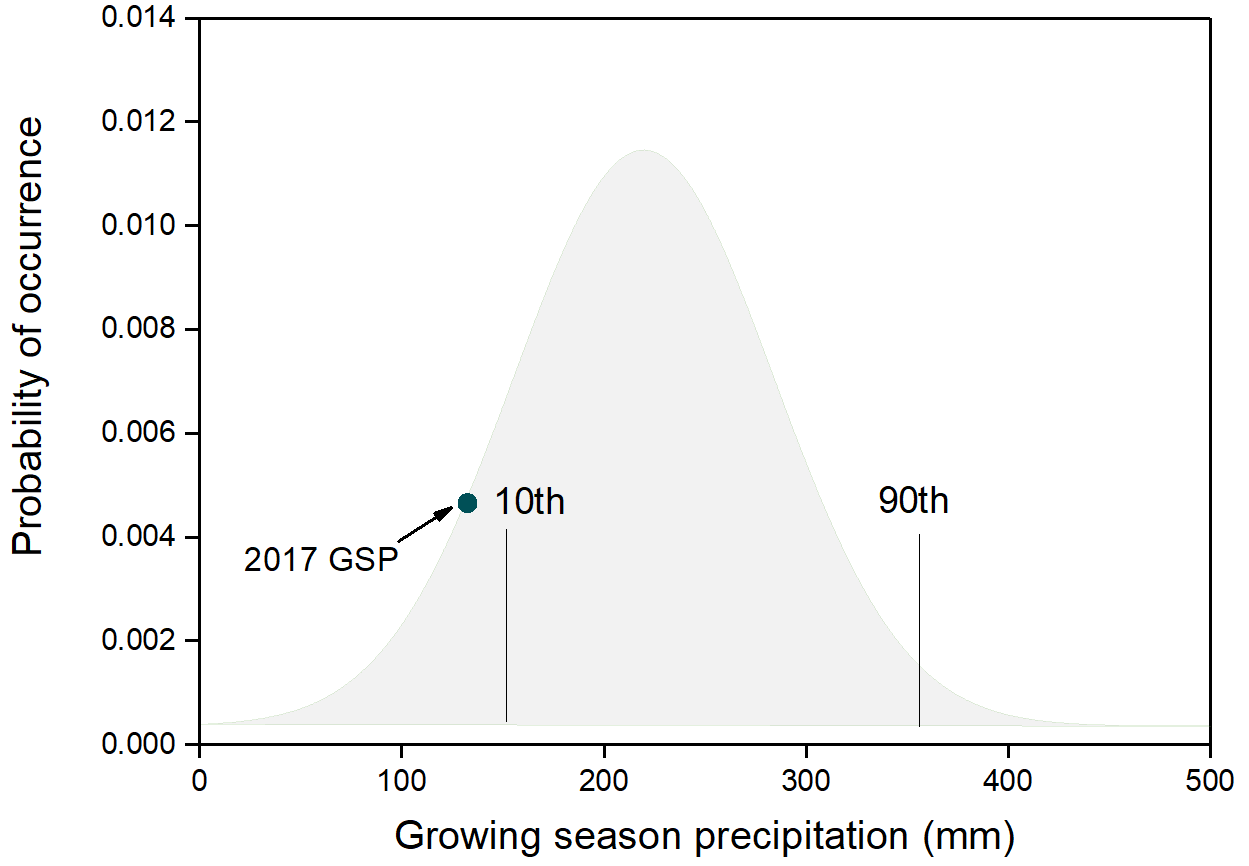
Supplementary Material

# Supplementary Figures and Tables

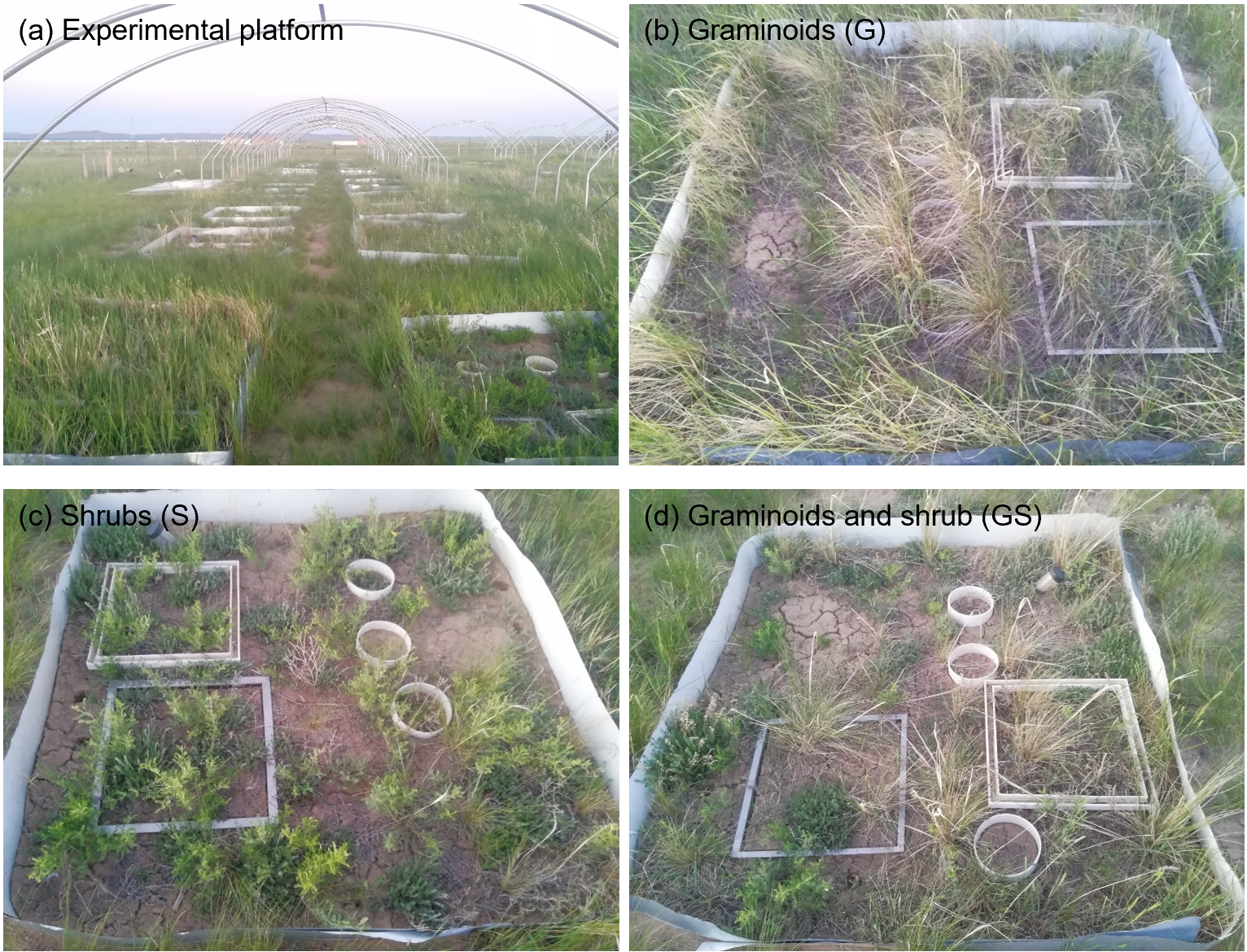
## Supplementary Figures



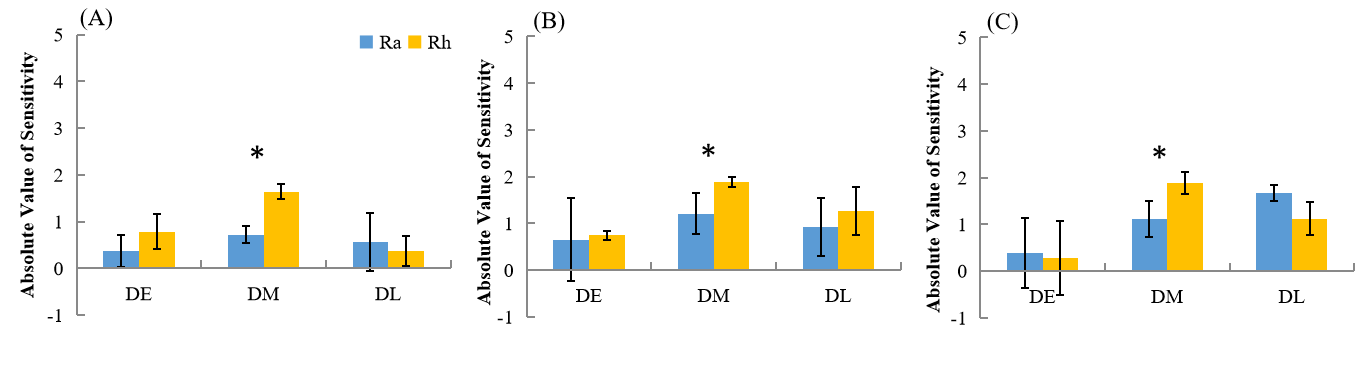
**Supplementary Figure S1.** Probability density functions of growing season precipitation of study site based on the ∼60-year data.



**Supplementary Figure S2.** Relationships of ΔRs, ΔRa and ΔRh (the difference in seasonal average Rs, Ra and Rh between the drought and ambient treatments) with the variations in soil water content (ΔSWC) (A-C) during three drought periods in the Graminoids (solid circle), Shrubs (hollow circle) and Graminoid×Shrub (solid triangle) plots, respectively.



**Supplementary Figure S3.** Community physiognomy of the experiment platform and plant functional type treatments. The photos were taken in June, 2020.



**Supplementary Figure S4.** Results of absolute sensitivity of Autotrophic respiration (Ra) and Heterotrophic respiration (Rh) to drought imposed in early-, mid- and late-growing season in Graminoid plots (A), Shrub plots (B) and Graminoid×Shrub plots (C), respectively. Data are absolute value of mean ±1SE。\* indicates significant differences (P ≤ 0.05) between treatments