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Jaafry, S. W. H., Li, D., Fan, Z., Liu, L., Wei, X., Yang, T., Sun, Y., Zhu, Y., Li, L., Ren, Z. and Kong, R. 2019. Effect of soil nutrient, neighbor identities and root separation types on the intra- and interspecific interaction among the three clonal plant species. – Nordic Journal of Botany 2019: e02070

# Appendix 1

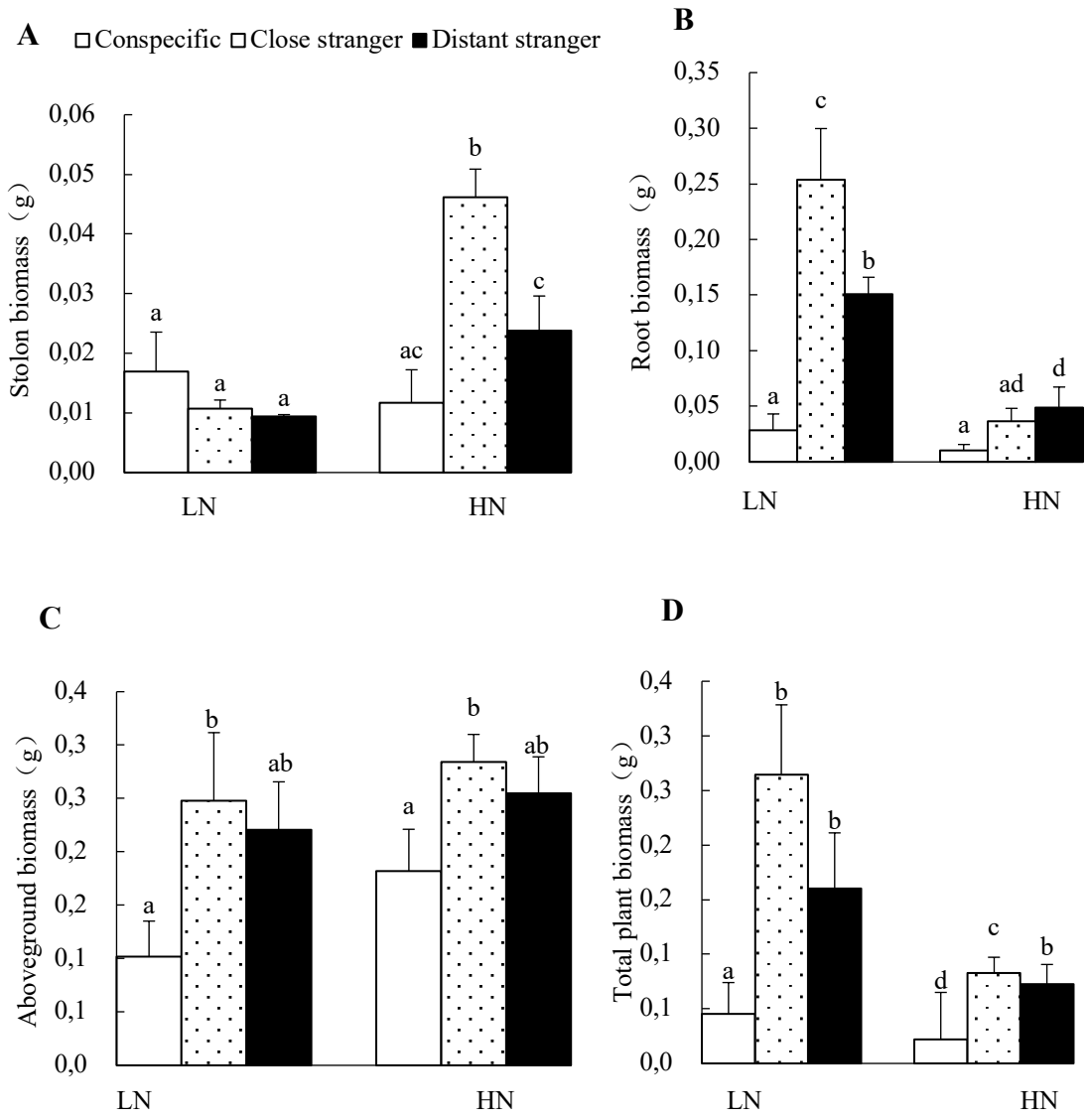


Figure A1. The effects of neighbor identity (conspecific, close stranger and distant stranger) and nutrient levels low or high (LN and HN) respectively, on the stolon biomass (A), root biomass (B), aboveground biomass (C) and total biomass (D) of basal part of *Zoysia sinica* under the condition of non-root segregation (NS). One-way analysis of variance was used to check the difference under different nutrient levels and neighbor identities. Different letters upon column indicated significant differences among different treatments ($p<0.05$, LSD).

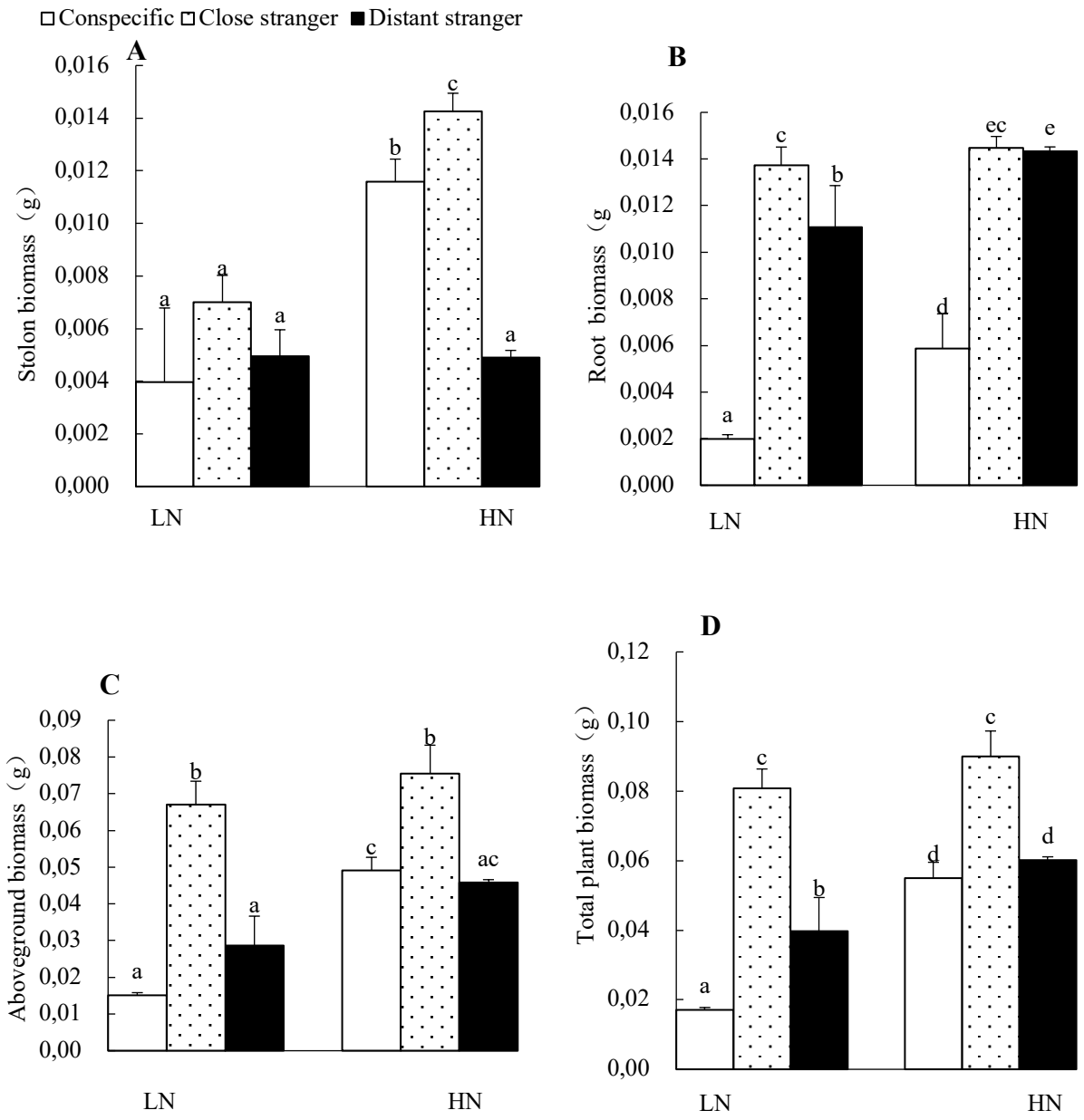


Figure A2. The effects of neighbor identity (conspecific, close stranger and distant stranger) and nutrient levels low or high (LN and HN) respectively, on the stolon biomass (A), root biomass (B), aboveground biomass (C) and total biomass (D) of middle part of *Zoysia sinica* under the condition of non-root segregation (NS). One-way analysis of variance was used to check the difference under different nutrient levels and neighbor identities. Different letters upon column indicated significant differences among different treatments ($p<0.05$, LSD).

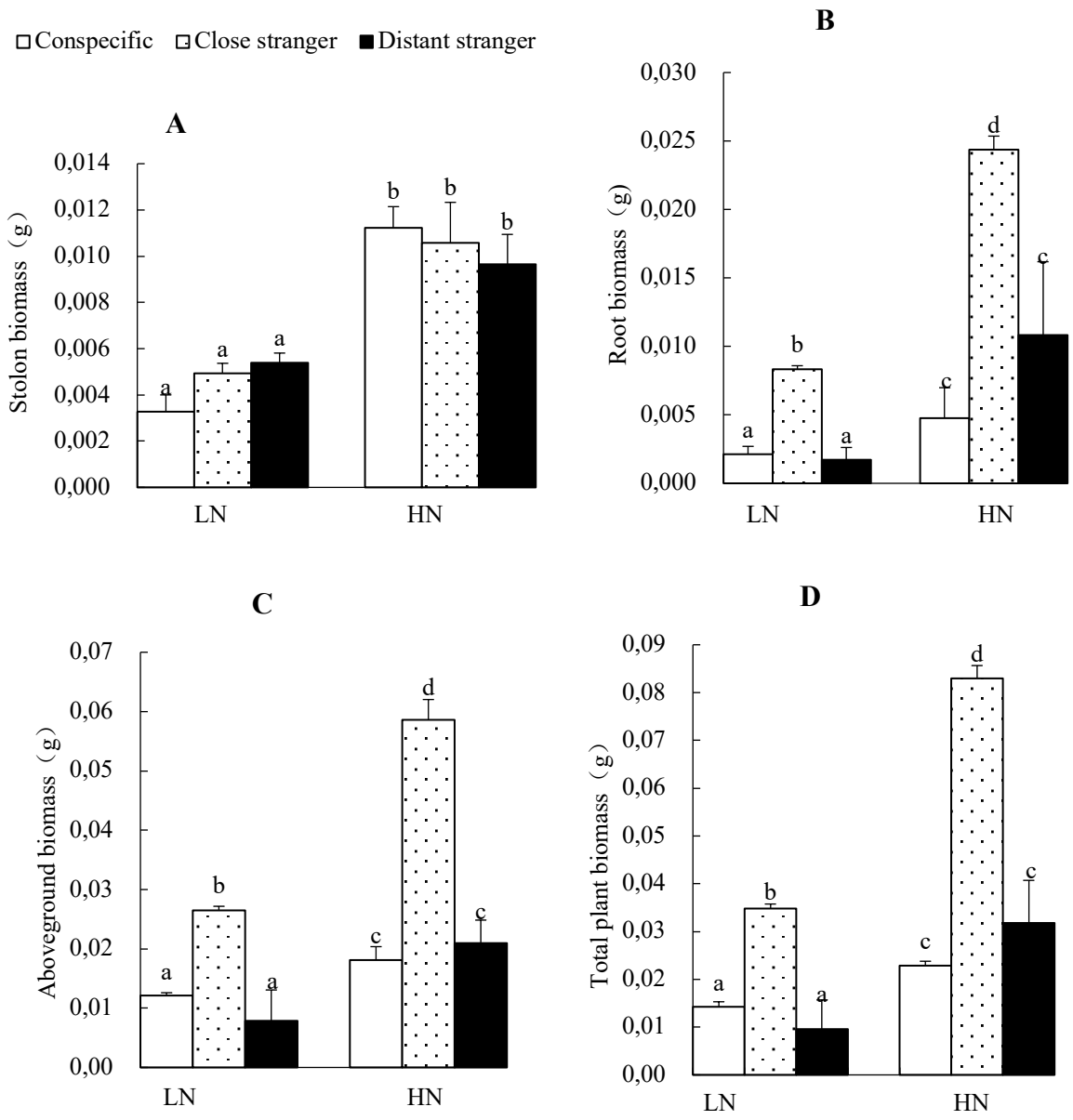


Figure A3. The effects of neighbor identity (conspecific, close stranger and distant stranger) and nutrient levels low or high (LN and HN) respectively, on the stolon biomass (A), root biomass (B), aboveground biomass (C) and total biomass (D) of apical part of *Zoysia sinica* under the condition of non-root segregation (NS). One-way analysis of variance was used to check the difference under different nutrient levels and neighbor identities. Different letters upon column indicated significant differences among different treatments ($p<0.05$, LSD).

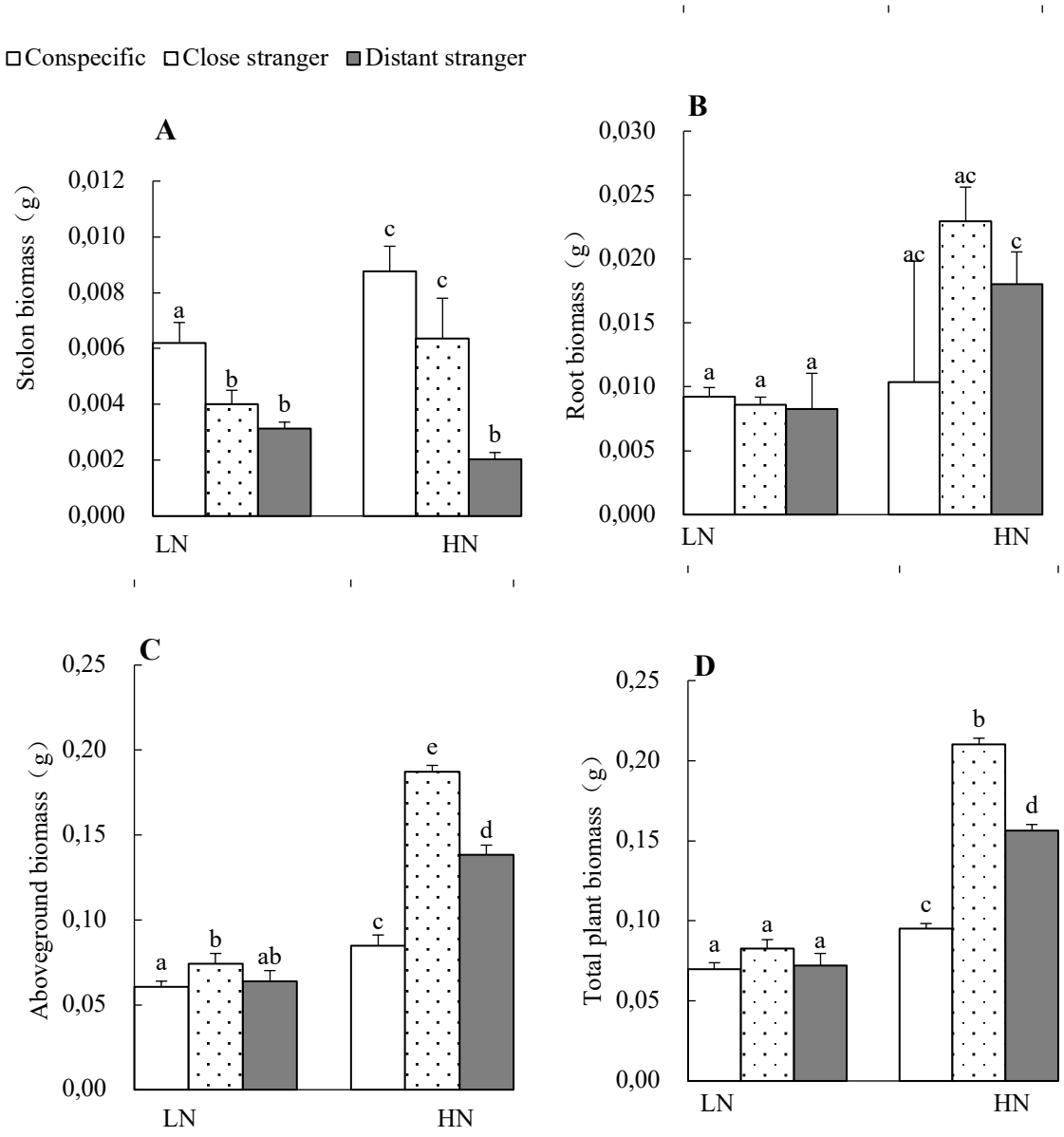


Figure A4. The effects of neighbor identity (conspecific, close stranger and distant stranger) and nutrient levels low or high (LN and HN) respectively, on the stolon biomass (A), root biomass (B), aboveground biomass (C) and total biomass (D) of basal part of *Zoysia sinica* under the condition of clone root segregation (CS). One-way analysis of variance was used to check the difference under different nutrient levels and neighbor identities. Different letters upon column indicated significant differences among different treatments ($p<0.05$, LSD).

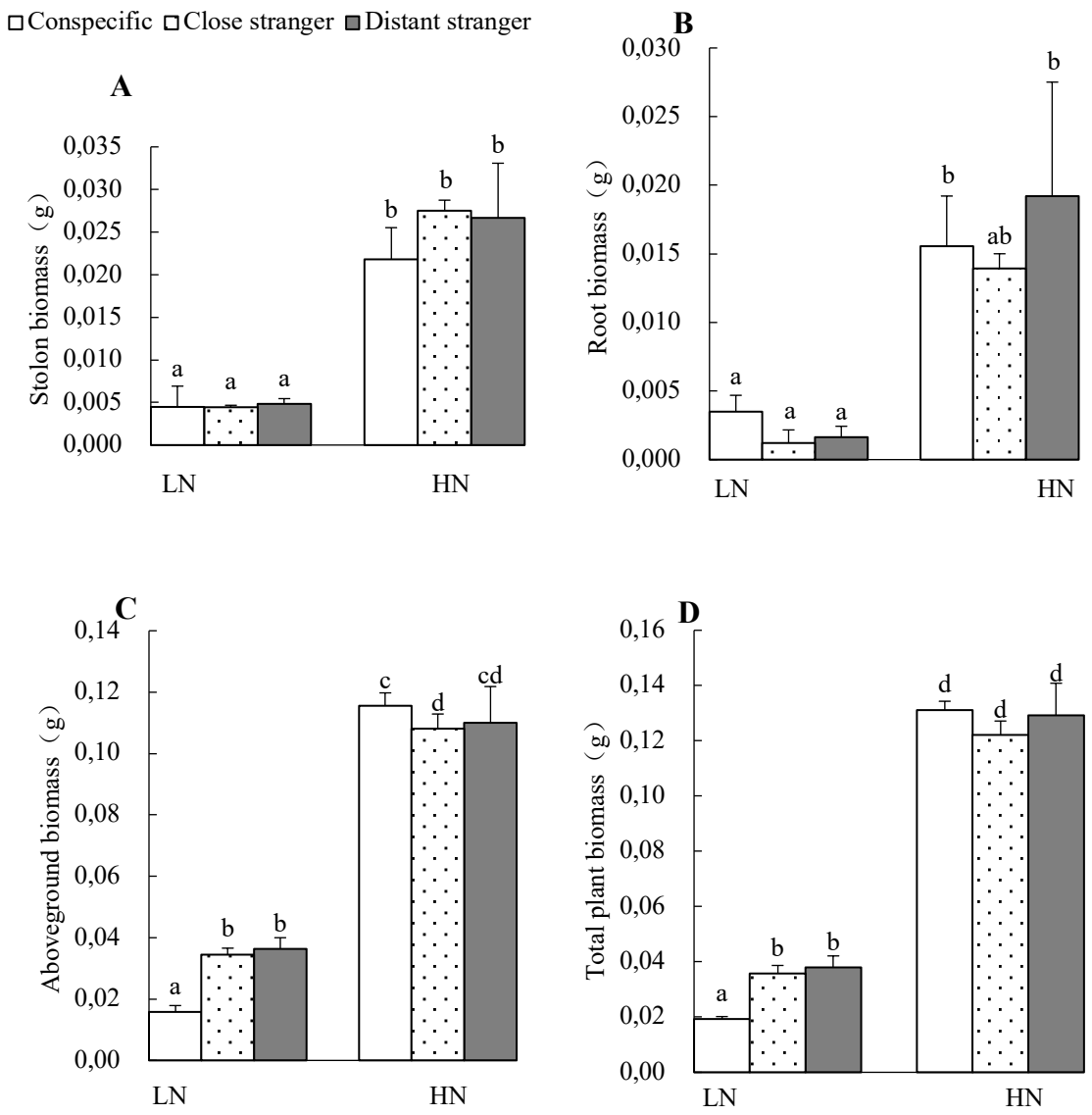


Figure A5. The effects of neighbor identity (conspecific, close stranger and distant stranger) and nutrient levels low or high (LN and HN) respectively, on stolon biomass (A), root biomass (B), aboveground biomass (C) and total biomass (D) of middle part of *Zoysia sinica* under the condition of clone root segregation (CS). One-way analysis of variance was used to check the difference under different nutrient levels and neighbor identities. Different letters upon column indicated significant differences among different treatments ($p<0.05$, LSD).

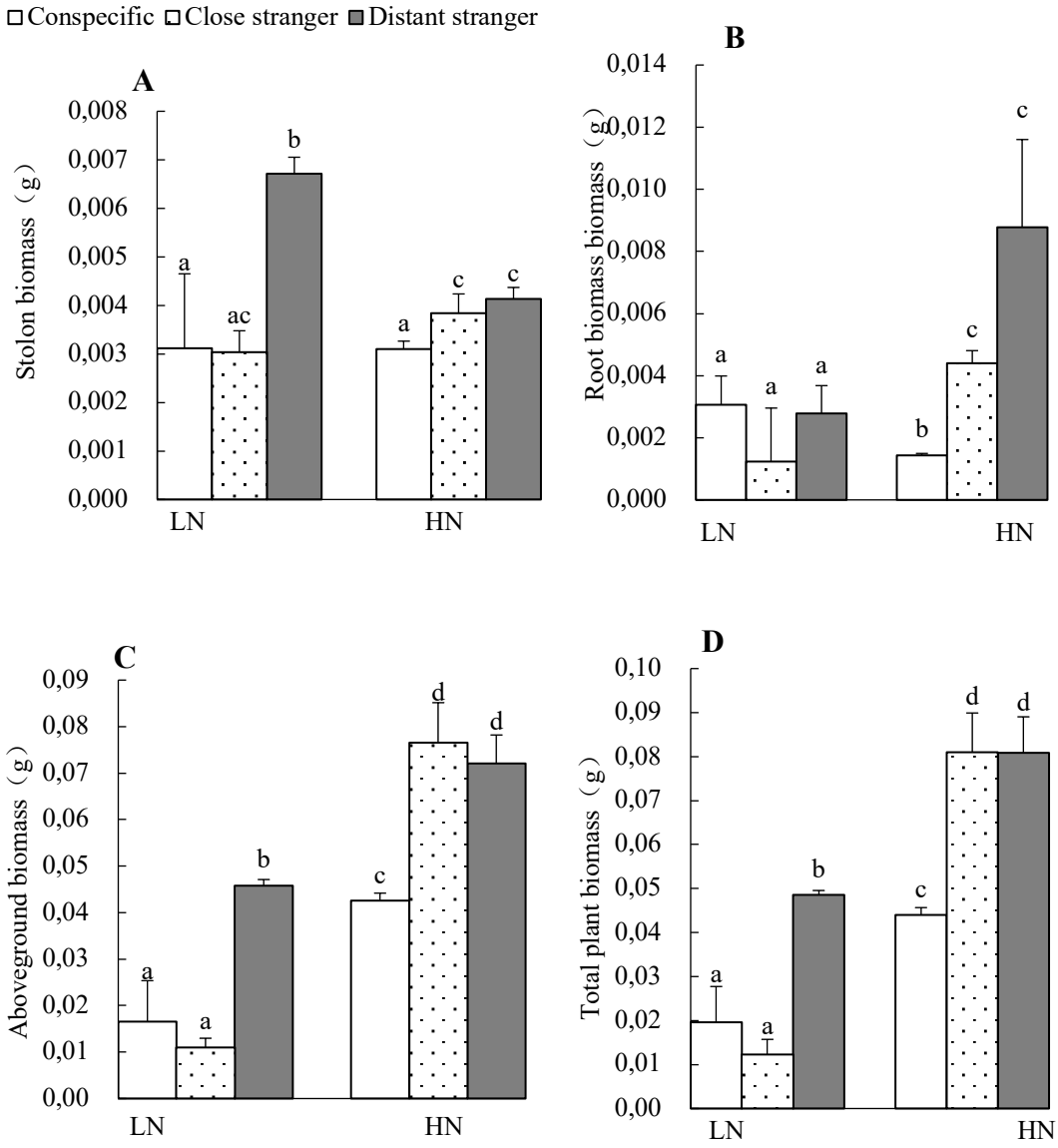


Figure A6. The effects of neighbor identity (conspecific, close stranger and distant stranger) and nutrient levels low or high (LN and HN) respectively, on the stolon biomass (A), root biomass (B), aboveground biomass (C) and total biomass (D) of apical part of *Zoysia sinica* under the condition of clone root segregation (CS). One-way analysis of variance was used to check the difference under different nutrient levels and neighbor identities. Different letters upon column indicated significant differences among different treatments ($p<0.05$, LSD).

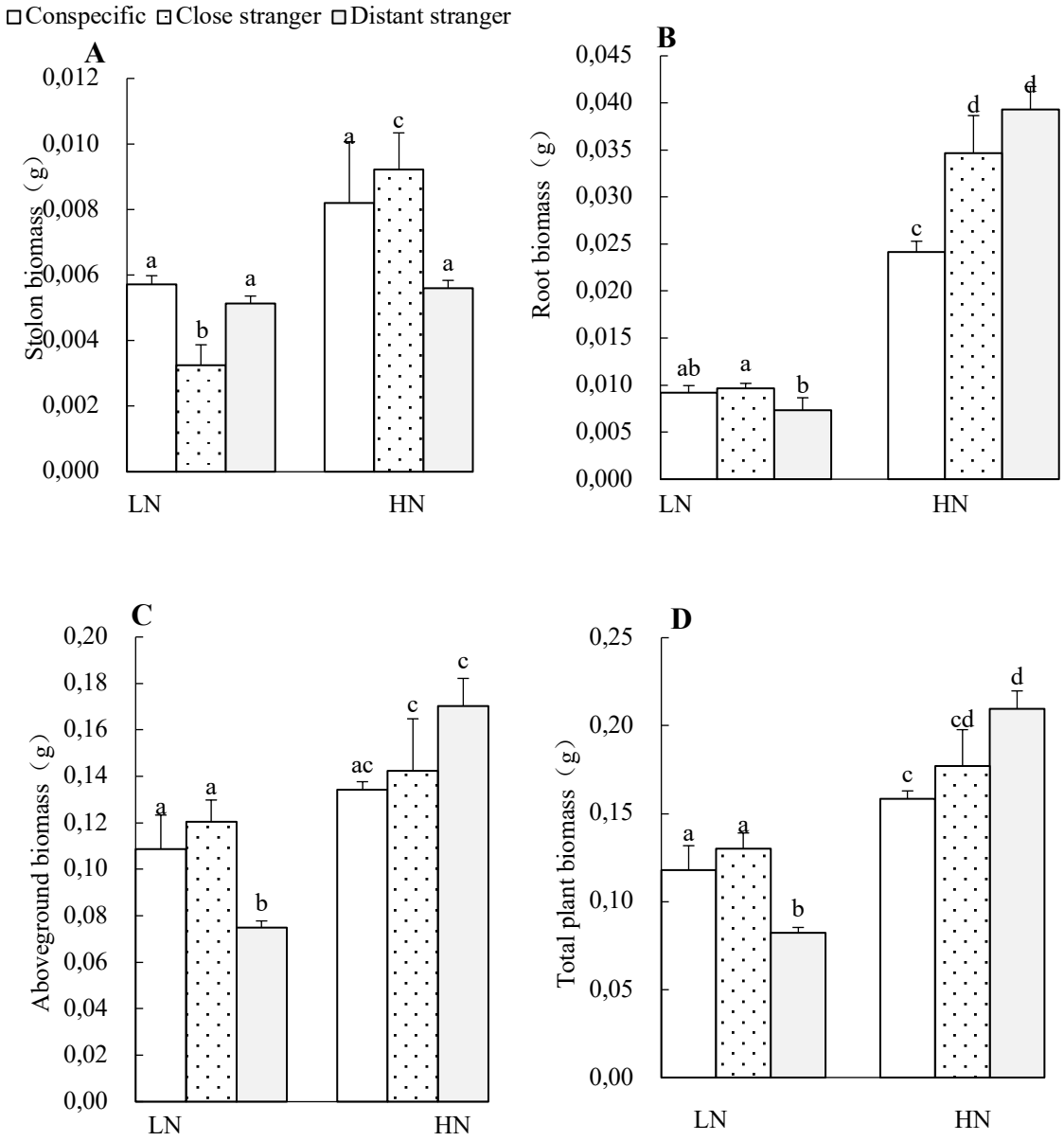


Figure A7. The effects of neighbor identity (conspecific, close stranger and distant stranger) and nutrient levels low or high (LN and HN) respectively, on the stolon biomass (A), root biomass (B), aboveground biomass (C) and total biomass (D) of basal part of *Zoysia sinica* under the condition of ramet segregation (RS). One-way analysis of variance was used to check the difference under different nutrient levels and neighbor identities. Different letters upon column indicated significant differences among different treatments ($p<0.05$, LSD).

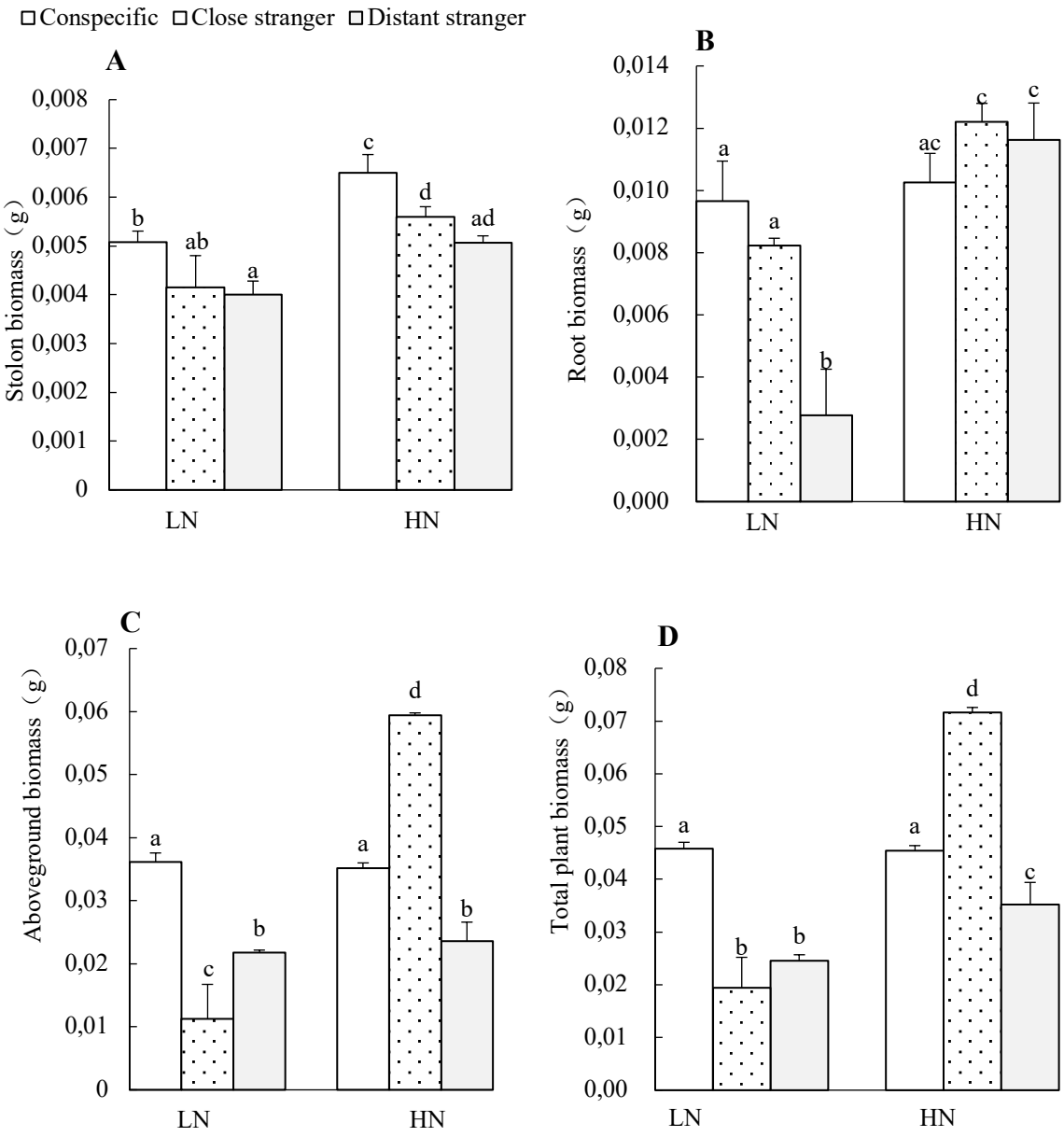


Figure A8. The effects of neighbor identity (conspecific, close stranger and distant stranger) and nutrient levels low or high (LN and HN) respectively, on the stolon biomass (A), root biomass (B), aboveground biomass (C) and total biomass (D) of middle part of *Zoysia sinica* under the condition of ramet segregation (RS). One-way analysis of variance was used to check the difference under different nutrient levels and neighbor identities. Different letters upon column indicated significant differences among different treatments ($p<0.05$, LSD).

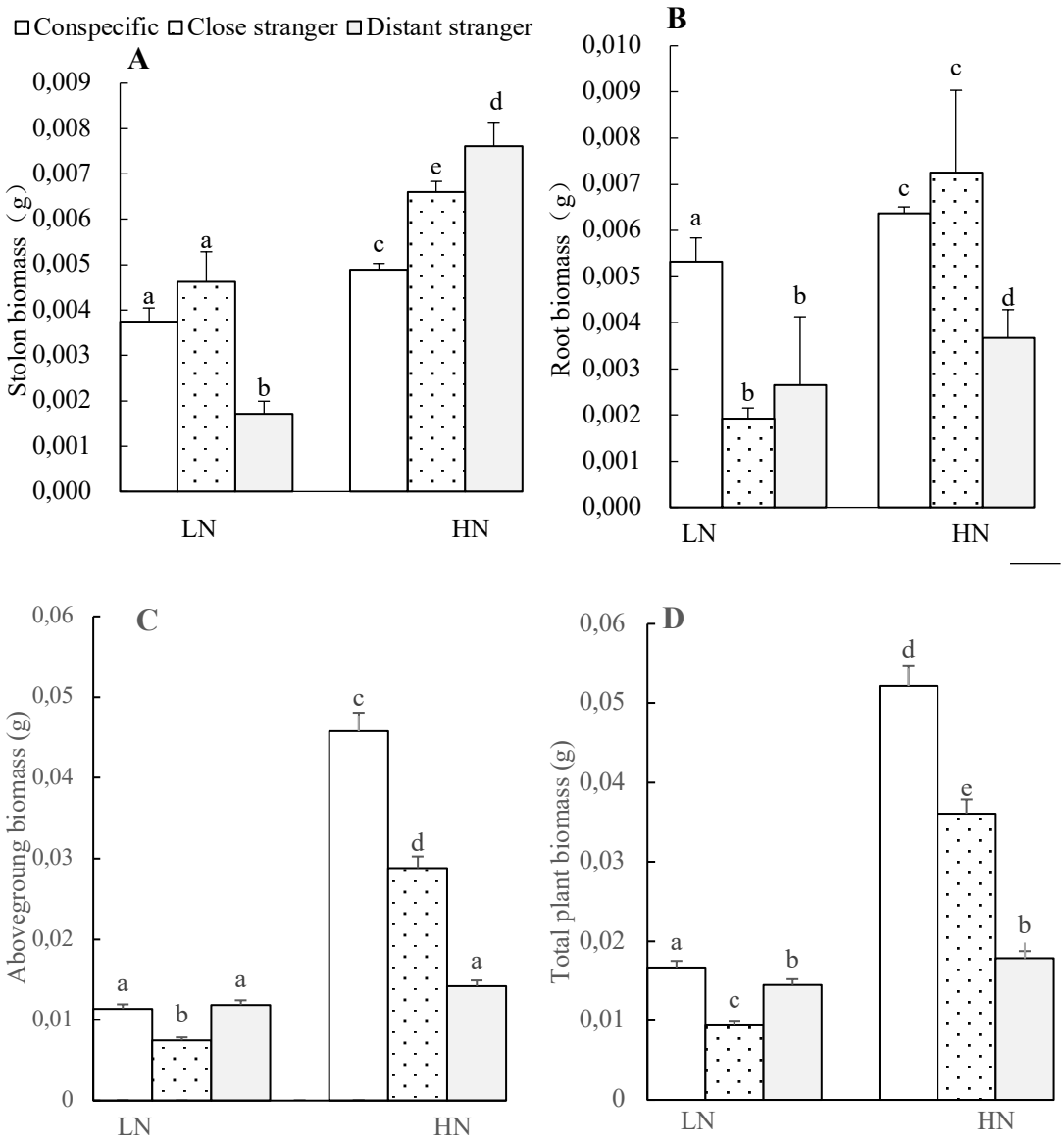


Figure A9. The effects of neighbor identity (conspecific, close stranger and distant stranger) and nutrient levels low or high (LN and HN) respectively, on the stolon biomass (A), root biomass (B), aboveground biomass (C) and total biomass (D) of apical part of *Zoysia sinica* under the condition of ramet segregation (RS). One-Way analysis of variance was used to check the difference under different nutrient levels and neighbor identities. Different letters upon column indicated significant differences among different treatments ($p<0.05$, LSD).

Table A1. The results of general linear model assessing the effects of neighbor identity (conspecific, close stranger or distant stranger ) and its interactions with nutrient levels (high or low) and root separation types on the total stolon length, number of primary ramets and root shoot ratio (R/S) of *Zoysia sinica*

| Treatments | Total stolon length | | Number of primary ramets | | Root shoot ratio R/S | |
|---|---|---|---|---|---|---|
| | F | p | F | p | F | p |
| RS | 19.06 | **0.000** | 0.66 | 0.522 | 0.46 | 0.636 |
| NL | 0.55 | 0.461 | 1.15 | 0.290 | 0.23 | 0.638 |
| NI | 1.25 | 0.298 | 0.26 | 0.775 | 1.76 | 0.186 |
| RS * NL | 0.22 | 0.800 | 0.22 | 0.803 | 0.89 | 0.418 |
| RS * NI | 1.45 | 0.238 | 0.27 | 0.895 | 0.36 | 0.837 |
| NL * NI | 0.25 | 0.779 | 0.17 | 0.847 | 0.49 | 0.619 |
| RS * NL * NI | 2.05 | 0.108 | 0.94 | 0.454 | 1.90 | 0.131 |