

Table S1. The $\delta^{13}\text{C}$, $\delta^{15}\text{N}$ of mangrove plants in Yunxiao mangroves.

| Station | $\delta^{13}\text{C}$ (‰) | $\delta^{15}\text{N}$ (‰) |
|---------|---------------------------|---------------------------|
| A2 | 11.48 | -31.45 |
| A5 | 9.63 | -30.69 |

Table S2: The concentration of dissolved organic carbon in Zhangjiang estuary.

| Station | Dissolved organic carbon (mmol L^{-1}) |
|---------|---|
| S1 | 0.206 |
| S2 | 0.186 |
| S3 | 0.311 |
| S4 | 0.311 |
| S5 | 0.215 |
| S6 | 0.204 |
| S7 | 0.185 |