

## **Text S2**

### **Instruments for light intensity, DO concentration, pH, and water temperature.**

Light intensity and DO concentration were measured by an illuminance light quantum meter (TES1339P, Taiwan TES Electronics Industry Co., Ltd., China) and an oxygen meter (JPB-607A, Shanghai INESA Scientific Instrument Co., Ltd., China), respectively, while pH and water temperature were determined by a pH meter (PHSJ-3F, Shanghai INESA Scientific Instrument Co., Ltd., China).