**Table S1. Sampling information of each site in this study**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sample sites | Abbreviation | Sampling basin | Sampling number | Sampling coordinates |
| Longitude | Latitude |
| Dang Tu | DT |  The tributary of Yangtze River | 30 | 118.62 | 31.52 |
| Wu Wei | WW | The mainstream of Yangtze River | 30 | 117.98 | 31.16 |
| Fan Chang | FC | The tributary of Yangtze River | 30 | 118.24 | 31.11 |
| Gui Chi | GC | The mainstream of Yangtze River | 30 | 117.65 | 30.76 |
| Huai Ning | HN | The tributary of Yangtze River | 30 | 117.03 | 30.75 |
| Wang Jiang | WJ | The mainstream of Yangtze River | 30 | 116.89 | 30.35 |