

Table S1 The relative abundance (top 10) of soil bacterial communities in in two wetlands in yellow river delta of China.

	P (%)	CK (%)
Phyla		
Proteobacteria	36±3.8a	38±6.5a
Actinobacteriota	11±2.0a	9±1.6a
Chloroflexi	7±1.8a	8±3.4a
Bacteroidota	8±3.8b	15±2.3a
Acidobacteriota	6±2.3a	1±0.7b
Gemmatimonadota	7±1.9a	4±0.2b
Desulfobacterota	5±2.2b	8±0.4a
Firmicutes	3±2.2b	8±1.8a
Myxococcota	2±0.6a	1±0.4a
unclassified	5±1.9a	1±0.3b
Class		
Gammaproteobacteria	20±2.8a	17.1±2.2b
Alphaproteobacteria	16±2.0a	20.7±6.5a
Bacteroidia	6±2.9a	4.0±1.9b
Anaerolineae	5±2.1b	11.4±2.1a
Actinobacteria	6±0.1a	6.8±2.7a
Thermoanaerobaculia	4±1.2a	6.0±1.6a
Desulfobulbia	3±1.1a	0.9±0.5b
Desulfuromonadia	1±1.4a	0.7±0.4a
Rhodothermia	3±1.2a	2.4±1.5a
Unclassified	12±2.2a	2.5±1.7b
Genera		
<i>Woeseia</i>	4.6±1.0a	0.1±0.0b
<i>Dadabacteriales</i>	1.5±0.4a	0.4±0.1b
<i>Limibacillus</i>	1.1±0.7a	0.3±0.1b
<i>Halofilum</i>	1.7±0.1a	0.3±0.1b
<i>Rhodovibrio</i>	1.1±0.2a	0.1±0.0b
<i>Sulfurovum</i>	1.0±0.1a	0.1±0.0b
<i>Methylophaga</i>	0.9±0.3a	0.3±0.0b
<i>Desulfobulbusc</i>	0.8±0.0a	0.4±0.0a
<i>Muricauda</i>	0.5±0.0a	0.5±0.1a
<i>unclassified</i>	37.6±3.2a	35.4±4.7a