

Table S1. Relative abundance of diatom, dinoflagellate, euglenoid, and green algae at epilimnion in Sanbe Reservoir

Sampling date	2017.6.22	2017.9.1	2019.6.27	2019.9.25
Sampling depth	0.5 m	0.5 m	1 m	1 m
Odor in the field	geosmin	2-MIB	geosmin	2-MIB
Diatom				
<i>Cyclotella</i> sp.	-	-	rr	r
<i>Aulacoseira granulata</i>	-	-	-	rr
<i>Aulacoseira ambigua</i> f. <i>japonica</i>	-	-	rr	-
<i>Acanthoceras zachariasii</i>	-	rr	-	-
<i>Urosolenia longiseta</i>	cc	r	-	-
<i>Achnantheidium</i> cf. <i>catenatum</i>	-	-	-	rr
<i>Fragilaria crotonensis</i>	-	-	+	-
Dinoflagellate				
<i>Peridinium</i> sp.	-	-	rr	rr
<i>Ceratium hirundinella</i>	rr	r	+	r
Euglenoid				
<i>Trachelomonas</i> sp.	rr	r	rr	+
Green algae				
<i>Chlamydomonas</i> sp.	-	-	-	r
<i>Eudorina elegans</i>	r	-	r	-
<i>Eudorina</i> sp.	-	-	-	r
cf. <i>Yamagishiella</i> sp.	-	r	-	rr
<i>Volvox aureus</i>	r	-	-	-
<i>Volvox</i> sp.	-	-	rr	-
<i>Coelastrum</i> cf. <i>astroideum</i>	r	-	-	r
<i>Coelastrum reticulatum</i>	-	rr	-	-
<i>Monoraphidium</i> sp.	-	-	r	-
<i>Pediastrum duplex</i> var. <i>gracillimum</i>	-	-	-	rr
<i>Tetraedron minimum</i>	-	-	-	r
<i>Scenedesmus grahneisii</i>	-	-	-	+
<i>Scenedesmus</i> sp.	r	r	-	-
<i>Closterium</i> sp.	-	-	rr	-
<i>Staurastrum</i> sp.	rr	rr	r	-

cc: high abundance, c: abundant, +: common, r: rare, rr: very rare, -: absent.