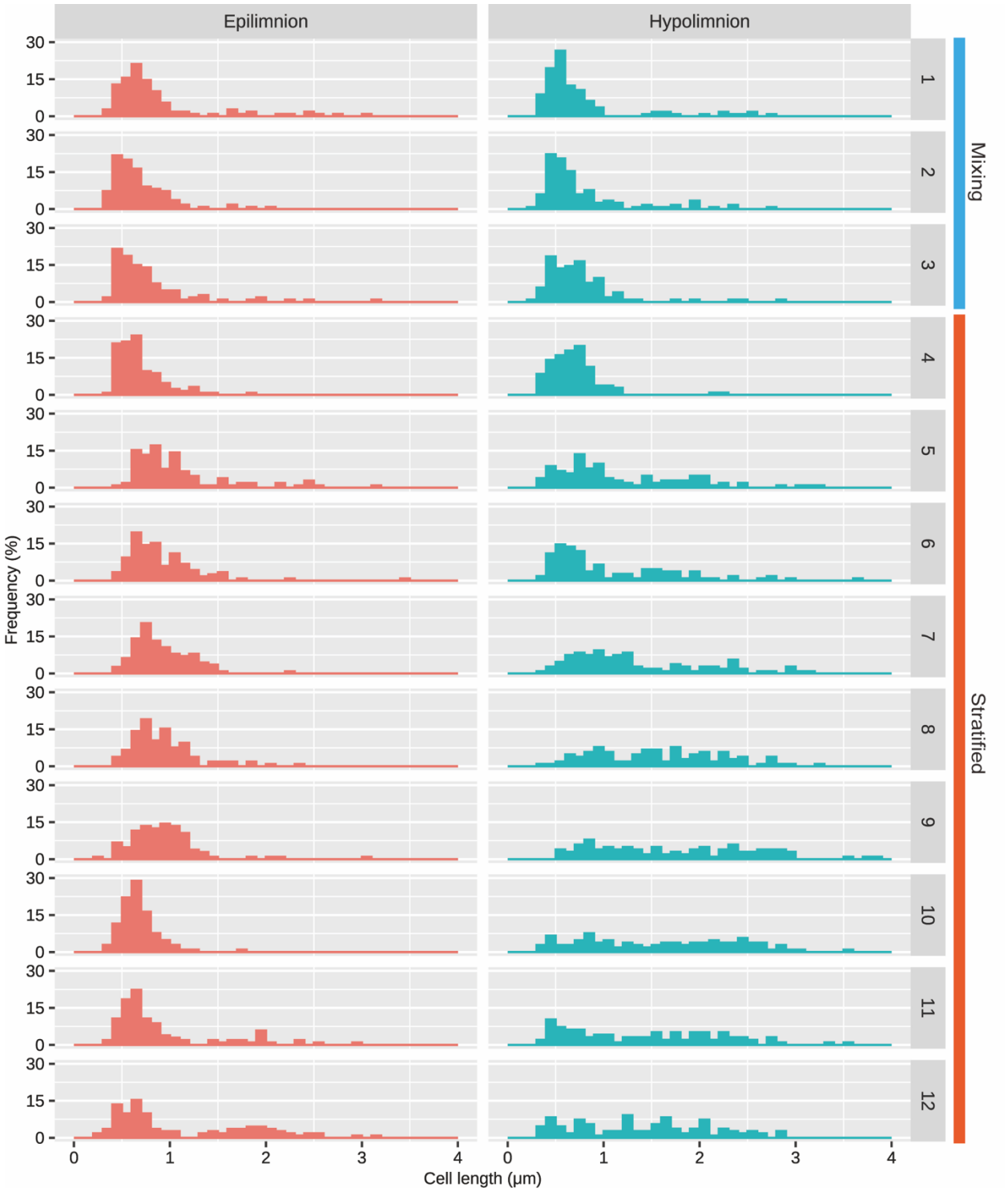

Fig. S1. Histogram of cell length in the epilimnion and hypolimnion of Lake Biwa in 2017 (n > 100 for each histogram). Width of each bar in the histogram indicates 0.1 μm.

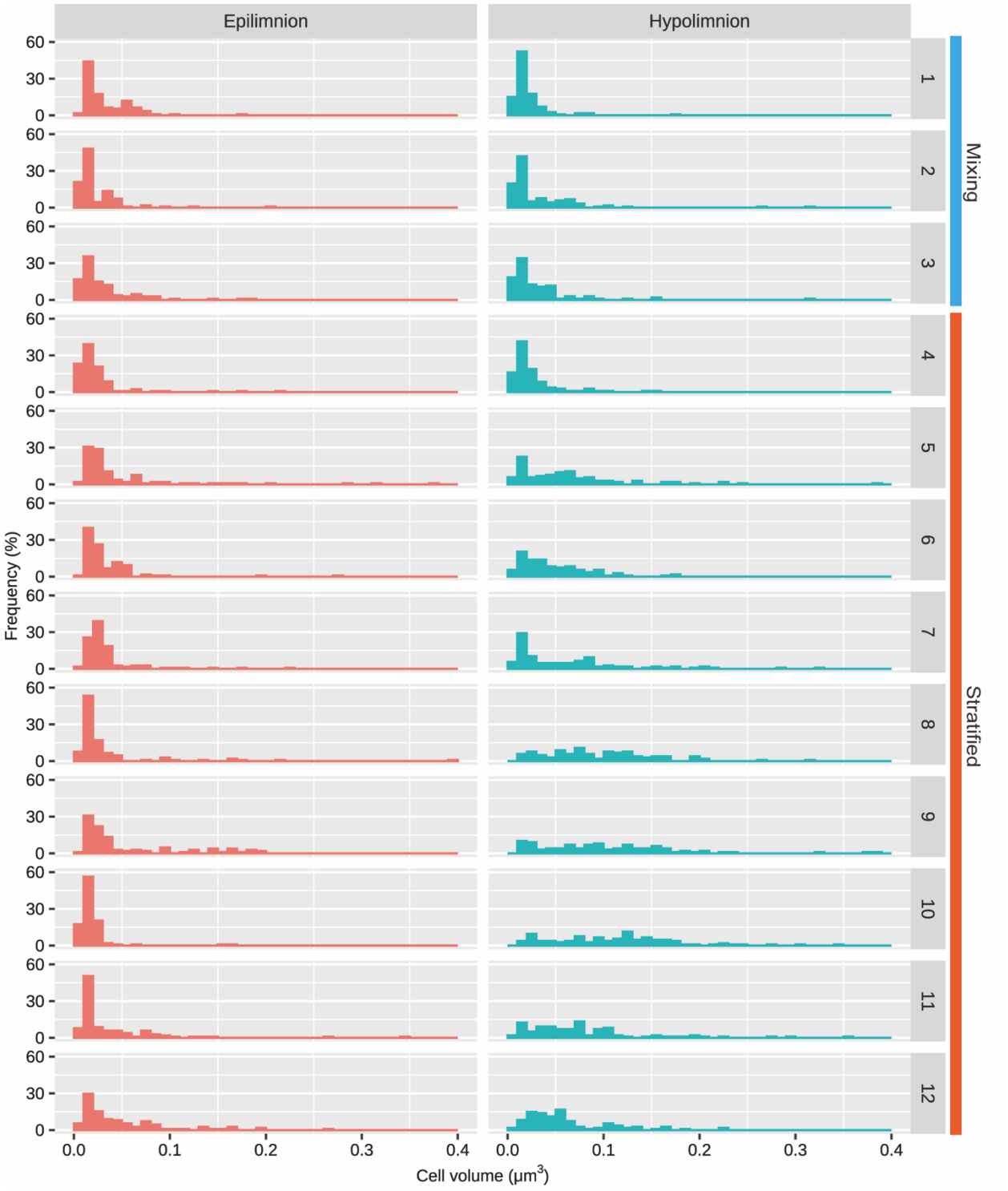

Fig. S2. Histogram of cell volume in the epilimnion and hypolimnion of Lake Biwa in 2017 (n > 100 for each histogram). Width of each bar in the histogram indicates 0.01 μm^3. Cell volumes greater than 0.4 μm^3 are not shown because more than 99% of the cells had volumes less than 0.4 μm^3.

Table S1. Difference in each cell dimension between the epilimnion and hypolimnion using Mann-Whitney *U*-test.

		Difference between the epilimnion and hypolimnion		
	Date	Length (μm)	Width (μm)	Volume ($μm^3$)
2016	August	**	***	***
	September	***	***	***
	October	***	***	***
	November	***	***	***
	December	***	*	***
2017	January	**	***	***
	February	NS	*	NS
	March	NS	NS	NS
	April	NS	NS	NS
	May	NS	**	*
	June	NS	***	***
	July	***	NS	*
	August	***	***	***
	September	***	**	***
	October	***	***	***
	November	***	***	***
	December	**	NS	***
2018	January	NS	NS	NS

***$p < 0.001$, **$p < 0.01$, *$p < 0.05$, NS = No significant difference was found.