Specialist type	Specialist sub-type	Qualitative Description	Best-fit model pattern requirements	Abundance requirements	Additional requirements
Fresh	Fresh Restricted	Most abundant at low salinities and not found at higher salinities.	meanA >* meanC	meanA > LAT meanC < LAT	
	Fresh Peaking	Most abundant at low salinities but also found in low abundances at higher salinities.	meanA >* meanC	meanA > LAT meanC > LAT	
	Fresh Bloom	Only present at low salinities, but absent in many low salinity samples as well.	meanA > meanB meanA > meanC	meanA > LAT meanC < LAT	sdA >* sdC
Brackish	Brackish Restricted	Most abundant at intermediate salinities and not found at lower or higher salinities.	meanB >* meanA meanB >* meanC	meaB > LAT meanA < LAT meanC < LAT	
	Brackish peaking; low tolerant	Most abundant at intermediate salinities but also found in some low salinity samples.	meanB >* meanA, meanB >* meanC	meanB > LAT meanA > LAT meanC < LAT	
	Brackish peaking; high tolerant	Most abundant at intermediate salinities but also found in some high salinity samples.	meanB >* meanA meanB >* meanC	meanB > LAT meanA < LAT meanC > LAT	
	Brackish peaking; all tolerant	Most abundant at intermediate salinities, but also found in low abundances at both low and high salinity samples.	meanB >* meanA meanB >* meanC	meanB > LAT meanA > LAT meanC > LAT	
Marine	Marine Restricted	Most abundant at high salinities and not found at lower salinities.	meanC >* meanA	meanC > LAT meanA < LAT	
	Marine Peaking	Most abundant at high salinities but also found in low abundances at lower salinities.	meanC >* meanA	meanC > LAT meanA > LAT	
	Marine Bloom	Only ever present at high salinities, but absent in many high salinity samples as well.	meanC > meanB meanC > meanA	meanC > LAT meanA < LAT	sdC >* sdA
No class	Ubiquitous	Found at the same abundance across all salinities; are present in at 30% of all samples.		30% of samples are > LAT	Abundance tertiles overlap by at least 10%
	Inverse Brackish	Most abundant at low and high salinities and least abundant at intermediate salinities.	meanB <*meanA meanB <*meanC	meanB > LAT meanC > LAT	
	No class	Cannot be classified in any of the above situations.			