

	Coral Symbiont Performance
Response Variable(s)	Photosynthesis rate and photosynthetic efficiency (Fv/Fm)
Details	Photosynthetic rate is a measurement of symbiont productivity which is the primary source of oxygen and nutritional energy for the coral host to fuel metabolic processes. Photosynthetic efficiency is the capacity of light-harvesting machinery to capture and convert light energy into photosynthetic products.
Rationale	Reduced photosynthesis and photosynthetic efficiency (Fv/Fm) lowers productivity and threatens symbiosis. Acquisition of new energy to support regeneration is lowered and/or compromised, especially if respiration rates are increased with stressors.
Hypotheses	If stressors decrease photosynthesis and/or photosynthetic efficiency, then energetic constraints will be placed on regeneration and/or growth.