List of symbols, their dimensions, and definitions.			
α [-]	tissue absorptivity	$h \; [Wm^{-2}K^{-1}]$	heat transfer coefficient
$A \ [m^2]$	coral surface area	$I \ [Wm^2]$	irradiance
$T_t$ [K]	coral tissue temperature	$T_f$ [K]	ambient fluid temperature
$\mathbf{U} \ [ms^{-1}]$	superficial velocity vector	$\phi$ [%]	porosity
$\nu \ [m^2 s^{-1}]$	kinematic viscosity	$\mu \ [Nsm^{-2}]$	dynamic viscosity
$ ho_c \ [kgm^3]$	coral density	$ ho_f \ [kgm^3]$	fluid density
$C_{p_c} \ [Jkg^{-1}K^{-1}]$	coral heat capacity	$C_{p_f} \ [Jkg^{-1}K^{-1}]$	fluid heat capacity
$k_c \; [Wm^{-1}K^{-1}]$	coral thermal conductivity	$k_f \; [Wm^{-1}K^{-1}]$	fluid thermal conductivity
$\Gamma_{T_m} \left[ m^2 s^{-1} \right]$	medium thermal diffusivity	Pr [-]	Prandtl number
$D \ [ms^{-1}]$	Darcy's term	$F \ [ms^{-1}]$	Forchheimer's term
$k \ [m^2 s^{-2}]$	turbulent kinetic energy	$\omega \ [m^2 s^{-3}]$	specific dissipation rate

S1 Table