a

Mutlivariate axis 2

α^0

α^1

β^1

Mutlivariate axis1

b

coral

Symbiodiniaceae

heat

H_2O O_2

SOD, CAT, POX

ROS

O_2 ATP
NADPH

Damage
PSI / PSII

ROS $^1O_2$

O_2^-

Immunity

MEL pathway

PPO

PO   **MEL**

ROS

SOD
CAT
POX

O_2 H_2O

Calvin
Cycle

Antioxidant scavengers

H_2O O_2

O_2^- O_2^- **SOD**

CAT
POX

H_2O_2

chloroplast