



Letter	Subsystem
A	Glycerolipid Metabolism
B	Glycolysis
C	Glyoxylate and Dicarboxylate Metabolism
D	Nitrogen Metabolism
E	Others
F	Tyrosine, Tryptophan, and Phenylalanine Metabolism
G	Photosynthesis

Letter	Subsystem
H	Porphyrin and Chlorophyll Metabolism
I	Pyrimidine Metabolism
J	Pyruvate Metabolism
K	Sterol Biosynthesis
L	Transport
M	TCA cycle

**Supplementary Figure 3: Epistasis interactions corresponding to increasing incident light.** Epistasis interactions calculated as incident light increases; **red** corresponds to negative interactions and **green** corresponds to positive interactions. The radius of the circle corresponds to number of interactions; the outer circle corresponds to total number of interactions (positive and negative). The letters on X-axis and Y-axis correspond to subsystems according to the legend shown in the figure.