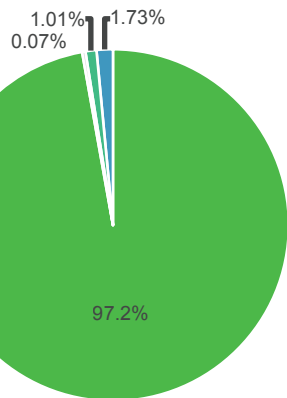


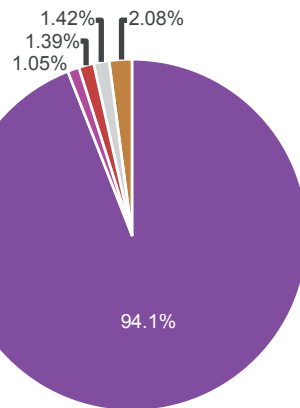
(A) ATP

Production



- photosynthesis, light reaction
- canonical glycolysis
- oxidative phosphorylation
- Others

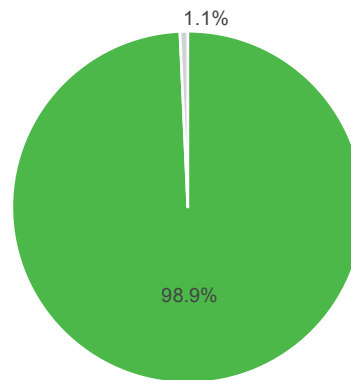
Consumption



- reductive pentose-phosphate cycle
- starch biosynthetic process
- nucleotide metabolic process
- photorespiration
- Others

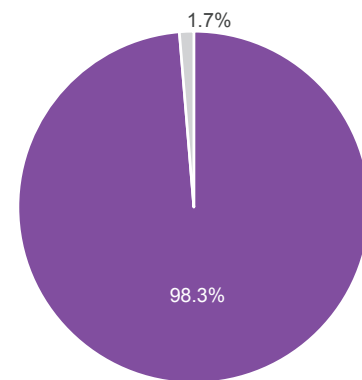
(B) NADPH

Production



- photosynthesis, light reaction
- Others

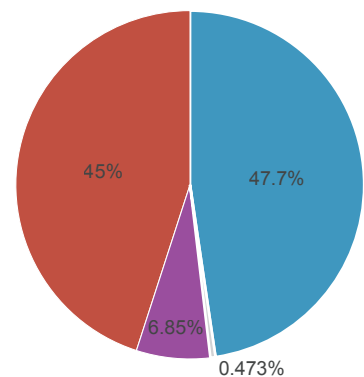
Consumption



- reductive pentose-phosphate cycle
- Others

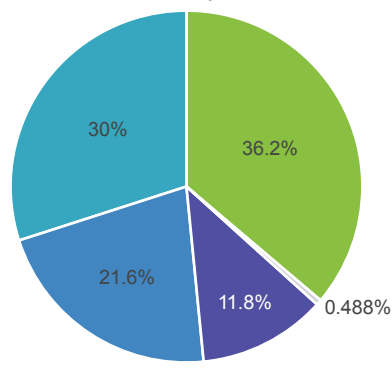
(C) NADH

Production



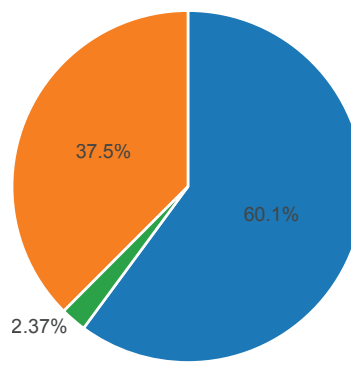
- canonical glycolysis
- photorespiration
- pyruvate dehydrogenase activity
- Others

Consumption



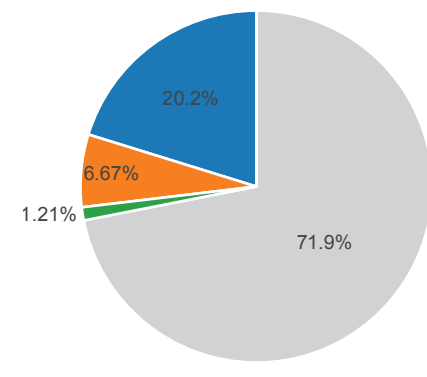
- nitrate assimilation
- glutamate biosynthetic process
- glyoxylate cycle
- alternative respiration
- Others

(D) Energy Equivalents



- ATP
- NADPH
- NADH

(E) Respiratory ATP



- maintenance, chloroplast
- maintenance, cytosol
- maintenance, mitochondria
- Other