



### CARBON FIXATION

- ▲ **K01673** Carbonic anhydrase (Anaplerotic C fixation)
- ▲ **K00855** Phosphoribulokinase (Calvin Cycle)

### PHOTOSYNTHESIS

- ▼ **K02636** Cytochrome *b6-f* complex iron-sulfur subunit (Oxy. photosynthesis)
- ▼ **K02641** Ferredoxin-NADP+ reductase (Oxy. photosynthesis)
- ▼ **K02689** photosystem I P700 chlorophyll a apoprotein A1 (Oxy. photosynthesis)
- ▼ **K02703** Photosystem II P680 reaction center D1 protein (Oxy. photosynthesis)
- ▼ **K02097** Phycobilisome core component (Oxy. photosynthesis)
- ▼ **K02092** Pllaphycocyanin alpha subunit (Oxy. photosynthesis)
- ▼ **K02638** Plastocyanin (Oxy. photosynthesis)
- ▼ **K05376** Phycoerythrin alpha chain (Oxy. photosynthesis)
- ▼ **K02284** Phycocyanin alpha chain (Oxy. photosynthesis)
- **K08912** Light-harvesting complex II chlorophyll *a/b* binding protein 1 (Oxy. photosynthesis)
- ▼ **K08929** Photosynthetic reaction center M subunit (Anoxy. photosynthesis)

### NITROGEN METABOLISM

- **K02586** Nitrogenase molybdenum-iron protein alpha chain *nifD* (N fixation)
- **K02588** Nitrogenase iron protein *nifH* (N fixation)
- ▼ **K00366** Ferredoxin-nitrite reductase (Assim. nitrate reduction)
- **K00372** Assimilatory nitrate reductase catalytic subunit (Assim. nitrate reduction)

### SULFUR METABOLISM

- ▼ **K01738** Cysteine synthase A (Cysteine synthesis)
- ▲ **K12339** Cysteine synthase B (Cysteine synthesis)
- ▲ **K00956** Sulfate adenylyltransferase subunit 1 (Assim. / Dissim. sulfate reduction)
- ▲ **K00957** Sulfate adenylyltransferase subunit 2 (Assim. / Dissim. sulfate reduction)
- **K00390** Phosphoadenylyl-sulfate reductase (Assim. sulfate reduction)
- ▼ **K00392** Sulfite reductase (ferredoxin) (Assim. sulfate reduction)
- **K00380** Sulfite reductase (NADPH) flavoprotein alpha-comp. (Assim. sulfate reduction)
- ▲ **K00381** Sulfite reductase (NADPH) hemoprotein beta-comp. (Assim. sulfate reduction)