



35/57 photosynthesis, light harvesting

105/201 generation of precursor metabolites and energy

45/88 protein–chromophore linkage

226/545 carbohydrate metabolic process

16/41 *photosynthesis*

193/459 regulation of transmembrane transport

363/802 *regulation of localization*

290/663 regulation of transport

46/114 membrane depolarization

16/33 *regulation of nervous system process*

171/406 inorganic ion transmembrane transport

255/630 transmembrane transport

46/119 *sodium ion transport*

219/524 cation transport

31/85 sodium ion transmembrane transport

33/78 calcium ion import

93/200 *metal ion transport*

75/133 *endoplasmic reticulum to Golgi vesicle–mediated transport*

63/125 cellular response to chemical stress

48/90 *cellular response to oxidative stress*

13/22 *hydrogen peroxide metabolic process*

232/457 mRNA metabolic process

171/327 mRNA processing

402/765 RNA processing

71/139 RNA splicing, via transesterification reactions

135/256 RNA splicing

7/13 *rRNA catabolic process*

59/111 ribonucleoprotein complex subunit organization

36/56 *DNA modification*

215/418 *DNA metabolic process*

11/21 translational elongation

128/241 protein folding

53/111 chloroplast–nucleus signaling pathway

8/10 *proteasomal ubiquitin–independent protein catabolic process*

p < 0.001

p < 0.01

p < 0.05