Table 1. List of genes clustered in Fig. 1*D* in the main text

genes of 'photosynthesis' category clustered in green rectangle	
AT1g12900	glyceraldehyde 3-phosphate dehydrogenase A, cholorplast precursor, putative
AT1g32060	phosphoribulokinase (EC 2.7.1.19) precursor like protein
AT1g42970	putative glyceraldehyde-3-phosphate dehydrogenase (At1g42970)
AT1g43670	fructose 1,6-bisphosphatase, putative
AT1g56190	phosphoglycerate kinase, putative
AT1g67090	putative ribulose bisphosphate carboxylase, small subunit
AT2g21170	putative triosephosphate isomerase
AT2g21330	fructose bisphosphate aldolase like protein
AT3g26650	glyceraldehyde 3-phosphate dehydrogenase A subunit (GapA)
AT3g50820	putative protein 1 photosystem II oxygen-evolving complex
AT3g51820	chlorophyll synthetase like protein
AT3g54050	fructose-bisphosphatase precursor
AT3g55800	sedoheptulose-bisphosphatase precursor
AT3g60750	transketolase - like protein
AT3g61470	Lhca2 protein
AT4g02770	putative photosystem I reaction center subunit II precursor
AT4g05180	Oxygen-evolving enhancer protein 3 precursor - like protein
AT4g10120	sucrose-phosphate synthase - like protein
AT4g12800	probable photosystem I chain XI precursor
AT4g14890	ferredoxin
AT4g15530	pyruvate,orthophosphate dikinase
AT4g15560	1-D-deoxyxylulose 5-phosphate synthase, putative
AT4g21280	photosystem II oxygen-evolving complex protein 3 - like
AT4g28660	photosystem II protein W - like
AT4g32260	H+-transporting ATP synthase chain 9 - like protein
AT5g11450	unknown protein
AT5g38410	ribulose bisphosphate carboxylase small chain 3b precursor (RuBisCO small subunit 3b) (sp:P1079
AT5g38430	ribulose bisphosphate carboxylase small chain 1b precursor (RuBisCO small subunit 1b) (sp:P1079
genes of 'pentose-phosphate pathway' clustered in black rectangle	
AT1g64190	6-phosphogluconate dehydrogenase, putative
AT3g02360	6-phosphogluconate dehydrogenase, putative
AT4g34200	Phosphoglycerate dehydrogenase - like protein
AT5g13420	transaldolase - like protein
AT5g40760	glucose-6-phosphate dehydrogenase
AT5g41670	6-phosphogluconate dehydrogenase
genes involved in glucosinolate biosynthesis clustered in yellow rectangle	
AT5g23010	2-isopropylmalate synthase-like; homocitrate synthase-like (MAM-1)
AT1g16400	putative cytochrome P450 (CYP79F2)
AT4g13770	cytochrome P450 monooxygenase (CYP83A1)
AT1g24100	putative indole-3-acetate beta-glucosyltransferase (S-GT)

Genes clustered in green, black, and yellow rectangles in Fig. 1*D* in the main text are shown. Functional classification ("photosynthesis" and "the pentose-phosphate pathway") was according to MIPS functional category.