

Table S5 GO enrichment analysis of genes from important modules

Module	GO ID	Description
MElightyellow	GO:0016469(8.5e-05)	proton-transporting two-sector ATPase complex
MEbrown4	GO:0042254(2.1e-10)	ribosome biogenesis
MEtan	GO:0003700(5.0e-07)	DNA-binding transcription factor activity
MElightpink4	GO:0003700(0.0106)	DNA-binding transcription factor activity
MEcoral1	GO:0016491(6.5e-05)	oxidoreductase activity
MEgreen	GO:0016491(0.00312)	oxidoreductase activity
MEdarkorange	GO:0015979(1.3e-11) GO:0016717(8.2e-05)	photosynthesis oxidoreductase activity, acting on paired donors, with oxidation of a pair of donors resulting in the reduction of molecular oxygen to two molecules of water
MEbisque4	GO:0016787(1.1e-08)	hydrolase activity
MEyellow	GO:0009055(1.3e-05)	electron transfer activity
MEthistle2	GO:0009117(0.0047)	nucleotide metabolic process