

Table 4 Enrichment of KEGG metabolic pathway

Code	Pathway	Pathway ID	Gene number
1	Biosynthesis of amino acids	ko01230	369
2	Carbon metabolism	ko01200	360
3	Protein processing in endoplasmic reticulum	ko04141	340
4	Ribosome	ko03010	328
5	Spliceosome	ko03040	319
6	Starch and sucrose metabolism	ko00500	304
7	Plant hormone signal transduction	ko04075	302
8	Phenylpropanoid biosynthesis	ko00940	294
9	Purine metabolism	ko00230	260
10	RNA transport	ko03013	244
11	Oxidative phosphorylation	ko00190	233
12	Ubiquitin mediated proteolysis	ko04120	222
13	Endocytosis	ko04144	221
14	Glycolysis / Gluconeogenesis	ko00010	201
15	Phenylalanine metabolism	ko00360	199
16	RNA degradation	ko03018	198
17	Pyrimidine metabolism	ko00240	195
18	Amino sugar and nucleotide sugar metabolism	ko00520	185
19	Ribosome biogenesis in eukaryotes	ko03008	184
20	mRNA surveillance pathway	ko03015	184