

表 7 低温胁迫处理差异表达基因 KOG 功能注释比较

Table 7 comparisons of DEGs KOG annotation by low temperature stress treatment

KOG	功能分类 Function classification	T0vsT1	T0vsT2	差异基因差值(T0vsT2)-(T0vsT1) Differences of DEGs (T0vsT2)-(T0vsT1)
A	RNA 的加工和修饰 RNA processing and modification	6	16	10
C	能源的产生和转化 Energy production and conversion	13	41	28
D	细胞周期调控, 细胞分裂, 染色体分配 Cell cycle control, cell division, chromosome 10 partitioning	10	24	14
E	氨基酸转运与代谢 Amino acid transport and metabolism	22	40	18
G	碳水化合物转运与代谢 Carbohydrate transport and metabolism	28	68	40
I	脂质转运与代谢 Lipid transport and metabolism	21	50	29
K	转录 Transcription	31	38	7
L	复制, 重组和修复 Replication, recombination and repair	5	21	16
M	细胞壁/细胞膜的生物发生 Cell wall/membrane/envelope biogenesis	9	15	6
O	翻译后修饰, 蛋白质转换, 伴侣 chaperones Posttranslational modification, protein turnover, 46 chaperones	46	94	48
Q	次生代谢产物的合成, 转运和代谢 Secondary metabolites biosynthesis, transport and 40 catabolism	40	68	28
R	一般功能预测 General function prediction only	83	151	68
S	未知功能 Function unknown	15	29	14
T	信号转导机制 Signal transduction mechanisms	72	77	5
U	胞质运输, 分泌和囊泡运输 Intracellular trafficking, secretion, and vesicular 12 transport	12	19	7
V	防御机制 Defense mechanisms	5	16	11
Z	细胞骨架 Cytoskeleton	11	25	14