

表 1 KHCO<sub>3</sub> 筛出的 27 个基因测序分类Table 1 the summary of the 27 genes sequenced and sieved out by KHCO<sub>3</sub>

蛋白质类型 Protein type	抗性基因 Resistance gene	相似的蛋白质 Similar protein	登录号 Accession No.
渗透蛋白 Osmotic protein	<i>Put27</i>	海藻糖-6-磷酸合成酶 Trehalose-6-phosphate synthase	XP002527520
与光合作用有关的蛋白质 Photosynthesis-related proteins	<i>Put7</i>	核酮糖二磷酸羧化酶小链 Ribulose biphosphate carboxylase small chain	NP001105294
	<i>Put8</i>	核酮糖二磷酸羧化酶 Ribulose biphosphate carboxylase	NP001104921
	<i>Put11</i>	叶绿素 a/b 结合蛋白 Chlorophyll a/b binding protein	ABO10493
	<i>Put23</i>	光系统 I 亚基 X Photosystem I subunit X	P36886
	<i>Put26</i>	光系统 I 反应中心 6 Photosystem I reaction center 6	NP001152380
信号相关蛋白 Signaling related proteins	<i>Put6</i>	F-box 功能域蛋白 F-box domain containing protein	NP001151035
	<i>Put9</i>	F-box 功能域蛋白 F-box domain containing protein	EU969259
	<i>Put14</i>	褐飞虱诱导的抗性蛋白 1 Brown planthopper-induced resistance protein 1	AAQ54305
运输蛋白 Transport protein	<i>Put13</i>	代谢产物转运蛋白 csbC Metabolite transport protein csbC	NP001148943
合成酶 Synthase	<i>Put15</i>	烟酰胺合成酶 Nicotianamine synthase 8	Q9XFB6
螯合酶 Chelating	<i>Put2</i>	金属硫蛋白样蛋白 2 型 Metallothionein-like protein type 2	NP001148019
	<i>Put5</i>	油黄 1 Oil yellow 1	
	<i>Put12</i>	金属离子结合蛋白 Metal ion binding protein	
分解酶 Degradation	<i>Put4</i>	蛋白酶体亚基测试类型 4 Proteasome subunit beta type 4	NP001105917 NP001151149
裂解酶 Lyases	<i>Put20</i>	叶绿体果糖二磷酸醛缩酶 Chloroplast fructose-bisphosphate aldolase	NP001150351 ACM78035
辅酶 Cofactor	<i>Put18</i>	多聚(A)结合蛋白 Poly(A)-binding protein	AAAB38974
未知蛋白质 Unknown protein	<i>Put1</i>	衰老相关的蛋白 Senescence-associated protein-related	NP199517
	<i>Put3</i>	假定蛋白 Hypothetical protein	XP002280489
	<i>Put10</i>	假定蛋白, mRNA Hypothetical protein, mRNA	XP002461395
	<i>Put16</i>	假定蛋白 Hypothetical protein	EFQ89403
	<i>Put17</i>	衰老相关的蛋白 Senescence-associated protein	NP001148512
	<i>Put19</i>	未知 Unknown	无 None
	<i>Put21</i>	未知 Unknown	无 None
	<i>Put22</i>	假定蛋白 Hypothetical protein	YP460823
	<i>Put24</i>	未知 Unknown	无 None
	<i>Put25</i>	未知 Unknown	无 None