

表 1 AtGolS2 互作蛋白功能注释

Table 1 Annotation of the function of AtGolS2 interacting protein

| 基因简称 Gene name | 登录号 Accession number | 编码蛋白类型 Encoding protein type | 功能注释 Functional annotation | 非生物胁迫表达模式 Expression pattern under abiotic stress | 参考文献 References |
|-------------------|-------------------------|--|------------------------------------|---|--|
| <i>RD20</i> | AT2G33380 | 油体钙相关蛋白 Caleosin | 脂类代谢 Lipid metabolism | 受盐、干旱和渗透胁迫诱导 Induced by salt, drought and osmotic stress | (Aubert et al., 2010; Sham et al., 2015; Aubert et al., 2011; Park et al., 2018) |
| <i>UGE2</i> | AT4G23920 | UDP-半乳糖差向异构酶 Galactose epimerase | 半乳糖生物合成 Galactose biosynthesis | 受低温, 渗透胁迫诱导 Induced by low temperature and osmotic stress | (Aznar et al., 2018) |
| <i>UGE5</i> | AT4G10960 | UDP-半乳糖差向异构酶 Galactose epimerase | 半乳糖生物合成 Galactose biosynthesis | 受低温, 渗透和盐胁迫诱导 Induced by low temperature, Osmotic and salt stress | (Aznar et al., 2018) |
| <i>USP</i> | AT5G52560 | UDP-半乳糖焦磷酸化酶 Galactose pyrophosphorylase | 半乳糖生物合成 Galactose biosynthesis | 受低温胁迫抑制 Inhibited by low temperature stress | (Decker and Kleczkowski, 2017) |
| <i>AT5G18200</i> | AT5G18200 | UTP 半乳糖-1-磷酸尿酸转移酶 Galactose-1-phosphate urate transferase | 半乳糖生物合成 Galactose biosynthesis | 受盐胁迫诱导 Induced by salt stress | (Kotake et al., 2007) |
| <i>DIN10</i> | AT5G20250 | 糖基水解酶 Glycosyl hydrolase | 糖代谢 Glucose metabolism | 受高温, 活性氧胁迫诱导 Induced by high temperature, reactive oxygen stress | (Maruyama et al., 2009; Lee et al., 2017) |
| <i>SIP2</i> | AT3G57520 | 棉子糖特异性 α -半乳糖苷酶 Raffinose-specific α -galactosidase | 棉子糖生物合成 Galactose biosynthesis | 受渗透胁迫诱导 Induced by osmotic stress | (Fujita et al., 2005) |
| <i>STS</i> | AT4G01970 | 棉子糖合酶 Raffinose synthase | 棉子糖生物合成 Galactose biosynthesis | 受盐胁迫抑制 Inhibited by salt stress | (Nishizawa et al., 2008) |
| <i>RFSS</i> | AT5G40390 | 棉子糖合酶 Raffinose synthase | 参棉子糖生物合成 Galactose biosynthesis | 受低温, 渗透, 盐和干旱胁迫诱导 Induced by low temperature, Osmotic, salt and drought stress | (Nishizawa et al., 2008) |