

Table 1 Annotation of the function of AtGolS2 interacting protein

Gene name	Accession number	Encoding protein type	Functional annotation	Expression pattern under abiotic stress	References
<i>RD20</i>	AT2G33380	Caleosin	Lipid metabolism	Induced by salt, drought and osmotic stress	Aubert et al., 2011, Aubert et al., 2010, Park et al., 2018, Sham et al., 2015
<i>UGE2</i>	AT4G23920	Galactose epimerase	Galactose biosynthesis	Induced by low temperature and osmotic stress	Aznar et al., 2018
<i>UGE5</i>	AT4G10960	Galactose epimerase	Galactose biosynthesis	Induced by low temperature, osmotic and salt stress	Aznar et al., 2018
<i>USP</i>	AT5G52560	Galactose pyrophosphorylase	Galactose biosynthesis	Inhibited by low temperature stress	Decker and Kleczkowski, 2017
<i>AT5G18200</i>	AT5G18200	Galactose-1-phosphate urate transferase	Galactose biosynthesis	Induced by salt stress	Kotake et al., 2007
<i>DIN10</i>	AT5G20250	Glycosyl hydrolase	Glucose metabolism	Induced by high temperature, reactive oxygen stress	Lee et al., 2017, Maruyama et al., 2009
<i>SIP2</i>	AT3G57520	Raffinose-specific α -galactosidase	Galactose biosynthesis	Induced by osmotic stress	Fujita et al., 2005
<i>STS</i>	AT4G01970	Raffinose synthase	Galactose biosynthesis	Inhibited by salt stress	Nishizawa et al., 2008
<i>RFS1</i>	AT1G55740	Raffinose synthase	Galactose biosynthesis	Induced by low temperature and osmotic stress	Nishizawa et al., 2008
<i>RFS5</i>	AT5G40390	Raffinose synthase	Galactose biosynthesis	Induced by low temperature, osmotic, salt and drought stress	Nishizawa et al., 2008