

Supplementary Table S1. Detailed information of the key genes related to heat stress response in *Arabidopsis thaliana* mentioned in the review

Gene name	Full name	Gene ID
<i>APX2</i>	<i>Ascorbate peroxidase 2</i>	AT3G09640
<i>HSA32</i>	<i>Heat-induced 32-kD protein</i>	AT4G21320
<i>HsfA2</i>	<i>Heat shock transcription factor A2</i>	AT2G26150
<i>HSP101</i>	<i>Heat shock protein101</i>	AT1G74310
<i>HSP17.6C</i>	<i>Heat shock protein 17.6C</i>	LOC109229327
<i>HSP21</i>	<i>Heat shock protein 21</i>	AT4G27670
<i>HSP22</i>	<i>Heat shock protein 21</i>	AT4G10250
<i>HSP70</i>	<i>Heat shock protein 70</i>	AT3G12580
<i>LACS9</i>	<i>Long-chain acyl-CoA synthetase 9</i>	AT1G77590
<i>LPAT5</i>	<i>Lysophosphatidic acid acyltransferase 5</i>	AT3G18850
<i>MIPS2</i>	<i>Enzyme l-myo-inositol 1-phosphate synthase</i>	AT2G22240
<i>XTR6</i>	<i>Xyloglucan endotransglycosylase 6</i>	AT4G25810