

Supplementary Material to "Can WRKY transcription factors help plants to overcome environmental challenges?"

Table S3 - Gene transformation studies performed with *WRKY* genes in different plant species in response to biotic and abiotic stresses. Event (Si: silence, OE: overexpression); reaction: their phenotype observed against certain stress (T: Tolerance, R: Resistance, S: Sensitivity or Susceptibility) and the reference source

Species	Event	Gene	Stress	Reaction	Reference
<i>Arabidopsis thaliana</i>	OE	<i>VpWRKY1</i>	<i>Erysiphe cichoracearum</i> /Salt	R/T	Li <i>et al.</i> , 2010
<i>Arabidopsis thaliana</i>	OE	<i>VpWRKY2</i>	<i>Erysiphe cichoracearum</i> /Salt and Cold	R/T	Li <i>et al.</i> , 2010
<i>Arabidopsis thaliana</i>	OE	<i>OsWRKY45</i>	<i>Pseudomonas syringae</i> tomato / Salt and drought	R /T	Qiu and Yu, 2009
<i>Nicotiana benthamiana</i>	OE	<i>GhWRKY27</i>	<i>Rhizoctonia solani</i> /Drought	S/S	Yan <i>et al.</i> , 2015
<i>Nicotiana tabacum</i>	OE	<i>VpWRKY3</i>	<i>Ralstonia solanacearum</i> /Salt	R/T	Zhu <i>et al.</i> , 2012
<i>Oryza sativa</i>	OE	<i>OsWRKY89</i>	<i>Magnaporthe griseae</i> and <i>Sogatella furcifera</i> /UV-B	R/T	Wang <i>et al.</i> , 2017
<i>Oryza sativa</i>	Si	<i>OsWRKY89</i>	<i>Magnaporthe griseae</i> and <i>Sogatella furcifera</i> /UV-B	S/S	Wang <i>et al.</i> , 2017
<i>Oryza sativa</i>	OE	<i>OsWRKY76</i>	<i>Magnaporthe oryzae</i> /Cold	T/S	Yokotani <i>et al.</i> , 2013

Gh – *Gossypium hisutum*, Os - *Oryza sativa*, Vp – *Vitis pseudoreticulata*.

References

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