

**Table S1. Abiotic/biotic stress response studied in transgenic plants overexpressing Dofs**

CDF, Cycling Dof Factors; TDDF1, Tomato Dof Daily Fluctuations 1, OBP, OBF Binding Protein.

Gene	Transgenic Plants	Effect	Reference
<i>AtCDF3<sup>a</sup></i>	<i>Arabidopsis</i>	Drought and cold tolerance	Corrales et al. (2017)
<i>AtOBP2</i>	<i>Arabidopsis</i>	Defense	Skirycz et al. (2006)
<i>GhDof1<sup>a</sup></i>	<i>Gossypium hirsutum</i>	Salt and cold tolerance	Su et al. (2017)
<i>MdDof54<sup>a</sup></i>	<i>Malus domestica</i>	Drought tolerance	Chen et al. (2020)
<i>MtDof32</i>	<i>Medicago truncatula</i>	Osmotic and salt tolerance	Guo et al. (2021)
<i>OsDof1</i>	<i>Oryza sativa</i> ;	Wound-responsive	Park et al. (2014)
<i>OsDof15<sup>a</sup></i>	<i>Oryza sativa</i>	Salt tolerance	Qin et al. (2019)
<i>OsDof24<sup>a</sup></i>	<i>Oryza sativa</i>	Delays leaf senescence	Shim et al. (2019)
<i>SlCDF3<sup>a</sup></i>	<i>Solanum lycopersicum</i>	Salt tolerance	Renau-Morata et al. (2017)
<i>TDDF1<sup>a</sup></i>	<i>Solanum lycopersicum</i>	Salt and drought tolerance; Resistance to phytophthora infestans	Ewas et al. (2017)
<i>StCDF1<sup>a</sup></i>	<i>Solanum tuberosum</i>	Drought tolerance	Ramirez et al. (2021)
<i>ThDof1.4<sup>a</sup></i>	<i>Tamarix hispida</i>	Salt and drought tolerance	Zang et al. (2017)
<i>VaDof17d<sup>a</sup></i>	<i>Vitis vinifera</i>	Cold tolerance	Zhu et al. (2021)

<sup>a</sup>Dofs described as capable of binding to (T/A)AAAG.**Reference**

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