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Identification, characterization, and expression analysis of calmodulin and calmodulinlike genes in grapevine (*Vitis vinifera*) reveal likely roles in stress responses

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Identification, Characterization, and Expression Analysis of 1 Calmodulin and Calmodulin-like genes in Grapevine (Vitis vinifera) 2 reveal likely roles in Stress Responses 3 4 Elodie Vandelle^{a†}, Alessandro Vannozzi^{b†}, Darren Wong^c, Davide Danzi^a, Anne-Marie Digby^a, 5 Silvia Dal Santo^{a*}, Alessandra Astegno^a 6 7 ^a Department of Biotechnology, University of Verona, Strada Le Grazie 15, 37134 Verona, Italy. 8 ^b Department of Agronomy, Food, Natural Resources, Animals, and Environment, University of 9 Padova, 35020 Legnaro, Padova, Italy. 10 ^c Ecology and Evolution, Research School of Biology, The Australian National University, Acton 11 ACT 2601, Australia 12 13 † Both authors contributed equally to this work. 14 15 Authors' Email address: 16 Elodie Vandelle, elodiegenevieve.vandelle@univr.it 17 Alessandro Vannozzi, alessandro.vannozzi@unipd.it 18 19 Darren Wong, wongdcj@gmail.com Davide Danzi, davide.danzi@univr.it 20 21 Anne-Marie Digby, annemarie.digby@univr.it Silvia Dal Santo, silvia.dalsanto@univr.it 22 23 Alessandra Astegno, alessandra.astegno@univr.it 24 *Correspondence: 25 Silvia Dal Santo 26 silvia.dalsanto@univr.it 27

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