

Immune regulators *EDS1* and *PAD4* constrain *ADRI*-dependent disease resistance in rice

Joel Fernandes^{1#}, Junli Wang^{1#}, Rong Su², Tak Lee¹, Zichao Zheng³, Silvina Perin¹, Stella Cesari⁴, Ahmad Jalilian^{4\$}, Coline Sciallano⁴, Boris Szurek⁴, Haitao Cui^{2,3*}, Thomas Kroj^{4*}, Jane E. Parker^{1,5*}

¹Department of Plant-Microbe Interactions, Max-Planck Institute for Plant Breeding Research, Carl-von-Linne Weg 10, 50829 Cologne, Germany

²College of Plant Protection, Shandong Agricultural University, Tai'an 271018, Shandong, China

³State Key Laboratory of Ecological Control of Fujian-Taiwan Crop Pests, Plant Immunity Center, Fujian Agriculture and Forestry University, Fuzhou 350002, China

⁴PHIM Plant Health Institute, Univ Montpellier, INRAE, CIRAD, Institut Agro, IRD, Montpellier, France

⁵Cologne-Duesseldorf Cluster of Excellence on Plant Sciences (CEPLAS), 40225 Duesseldorf, Germany

equal contributions

* corresponding authors parker@mpipz.mpg.de (lead); thomas.kroj@inrae.fr ; cuihaitao@sdau.edu.cn

\$ present address: Department of Biotechnology and Plant Breeding, Faculty of Agriculture, Ferdowsi University of Mashhad, Mashhad, Iran

The authors have withdrawn this manuscript owing to finding inconsistencies in genotyping of kitaake rice eds1 pad4 double mutant lines and to establishing that combined loss of EDS1 and PAD4 does not underlie the stunted 'autoimmune-like' phenotype reported in this preprint. Therefore, the authors do not wish this work to be cited as reference for the project. If you have any questions, please contact the corresponding authors: Jane Parker, Thomas Kroj and Haitao Cui (co-corresponding)