



Article

Characterization of the **mitochondrial** genome of a wheat AL-type male sterility line and the candidate CMS gene

Miaomiao Hao^{1,2,†}, Wenlong Yang^{1,3,†,*}, Weiwen Lu^{1,2}, Linhe Sun^{1,2,4}, Muhammad Shoaib^{1,2}, Jiazhu Sun¹, Dongcheng Liu¹, Xin Li¹ and Aimin Zhang^{1,*}

¹State Key Laboratory of Plant Cell and Chromosome Engineering, Institute of Genetics and Developmental Biology/Innovative Academy of Seed Design, Chinese Academy of Sciences, Beijing, 100101, China;

²University of Chinese Academy of Sciences, Beijing, 100049, China;

³Institute of Vegetables and Flowers, Chinese Academy of Agricultural Sciences, Beijing, 100081, China;

⁴Institute of Botany, Jiangsu Province and Chinese Academy of Sciences (Nanjing Botanical Garden Mem. Sun Yat-Sen), Nanjing, 210014, China;

† These authors contributed equally to this work.

* Correspondence: Aimin Zhang (amzhang@genetics.ac.cn, 008610-64806618), Wenlong Yang (wlyang@genetics.ac.cn, 008610-64806617)

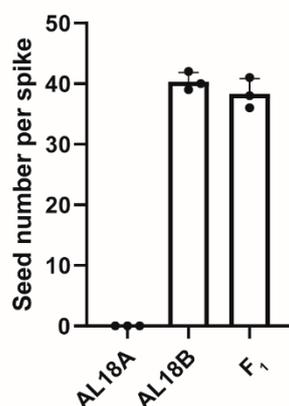


Figure S1. Seeds setting of AL18A, AL18B and F₁ (AL18A × AL18B).

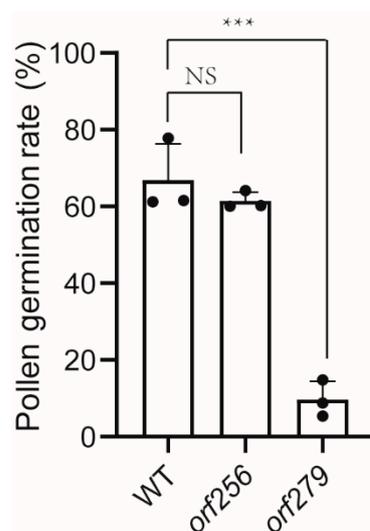


Figure S2. Pollen germination rate of WT, transgenic plants of *orf256* and *orf279*, respectively. Student *t*-test was used for pollen germination rate comparison between wild-type (WT) *Arabidopsis* and transgenic plants of *orf256* and *orf279* individually. NS ($P = 0.3929$), non-significant difference. *** $P = 0.0007$. Data are means ± S.D. $n = 3$ independent plants.