Table S2 Germination rates and states of watermelon seeds under different disinfection and cultivation times.

Disinfection time (min)	Cultivation time (days)	Germination rate (%)	Sprouting state
8	2	46.7 ± 1.7^b	Partly germinated and no pollution
8	3	93.3 ± 2.2^a	Most germinated without pollution but a few died
8	4	93.3 ± 3.3^a	Most germinated with root hairs on radicle, appearing pollution
12	2	20.0 ± 1.0^b	Partly germinated and no pollution
12	3	100.0 ± 0.0^a	Seed cotyledons of white tender without root hair, and no pollution
12	4	100.0 ± 0.0^a	All germinated with root hair on radicle, and no pollution
16	2	0.0 ± 0.0^c	Not germinate, free from pollution
16	3	40.0 ± 2.0^b	Partly germinated and partly yellowed without pollution
16	4	86.7 ± 7.3^a	Most germinated, dead seeds with pollution surrounding them occurred

Note: Germination rate=Germination number/Seeds' number×100%. Values are means (three independent experiments) ± standard errors (SE), and different letters indicate significant differences between treatments according to Duncan's multiple test (P<0.05).