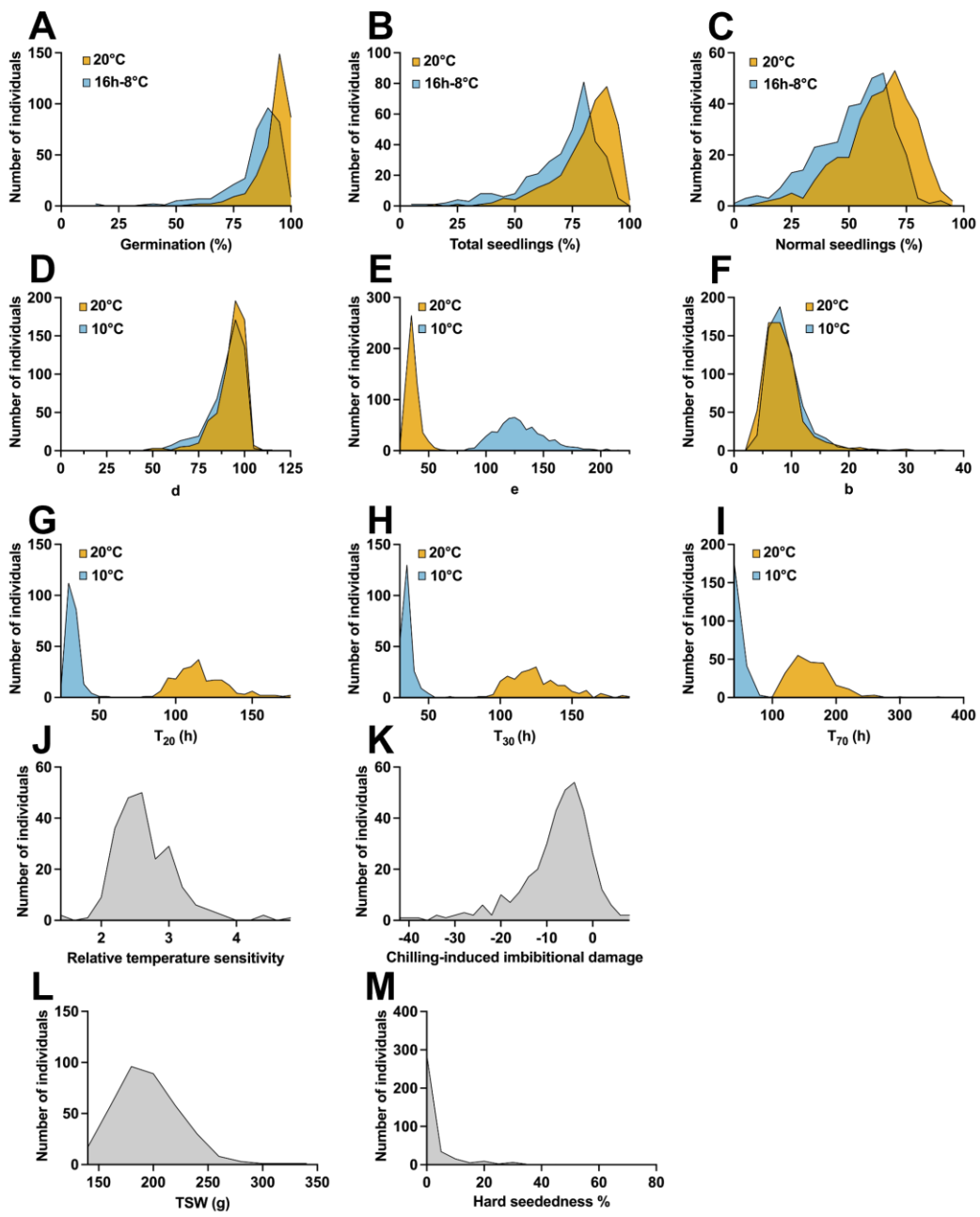




**Fig. S3** Frequency distributions of traits related to imbibitional damages, germination dynamics parameters, and seed characteristics.

Germination percentage (**A**), total seedlings percentage (**B**), and normal seedlings percentage at 20° C or 16 h at 8° C before 20° C (**C**). Germination logistic curve parameters  $d$  (**D**),  $e$  (**E**) and  $b$  (**F**), at continuous 20° C or 10° C. Times to reach 20% (**G**), 30% (**H**) and 70% (**I**) at continuous 20° C or 10° C. Relative temperature sensitivity of germination dynamic as  $(t_{50_{10^{\circ}C}} - t_{50_{20^{\circ}C}})/t_{50_{20^{\circ}C}}$  (**J**) and of chilling-induced imbibitional damage as  $G_{20^{\circ}C\%} - G_{16h-8^{\circ}C\%}$  (**K**). Thousand seed weight (**L**) and hard seededness percentage (**M**).