

**Supplementary Table S3.** Comparisons of models used to identify high temperature thresholds for seed set in different crops.

Crops	AIC linear	AIC nonlinear	Best AIC
Maize	1278.68	1273.30	Stegmented = 1270.07
<i>Indica</i> rice	1107.12	1076.15	Stegmented = 1071.20
<i>Japonica</i> rice	2334.16	2285.18	Segmented = 2284.07
Sorghum	641.07	625.97	segmented = 625.49
Pearl millet	655.02	622.64	Segmented = 618.51