Supplementary Material

Does the hydrocooling of *Vitis vinifera* cv. Semillon vines protect the vegetative and reproductive growth processes and vine performance against high summer temperatures?

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**Fig. S1.** Mean hourly air temperatures recorded over the 2009–10 growing season and measured in the vineyard above the canopy in a protected screen.
**Fig. S2.** The diurnal change in relative humidity measured in the vineyard across the 2009–10 growing season.

**Fig. S3.** The diurnal change in photon flux density measured in the vineyard across the 2009–10 growing season.