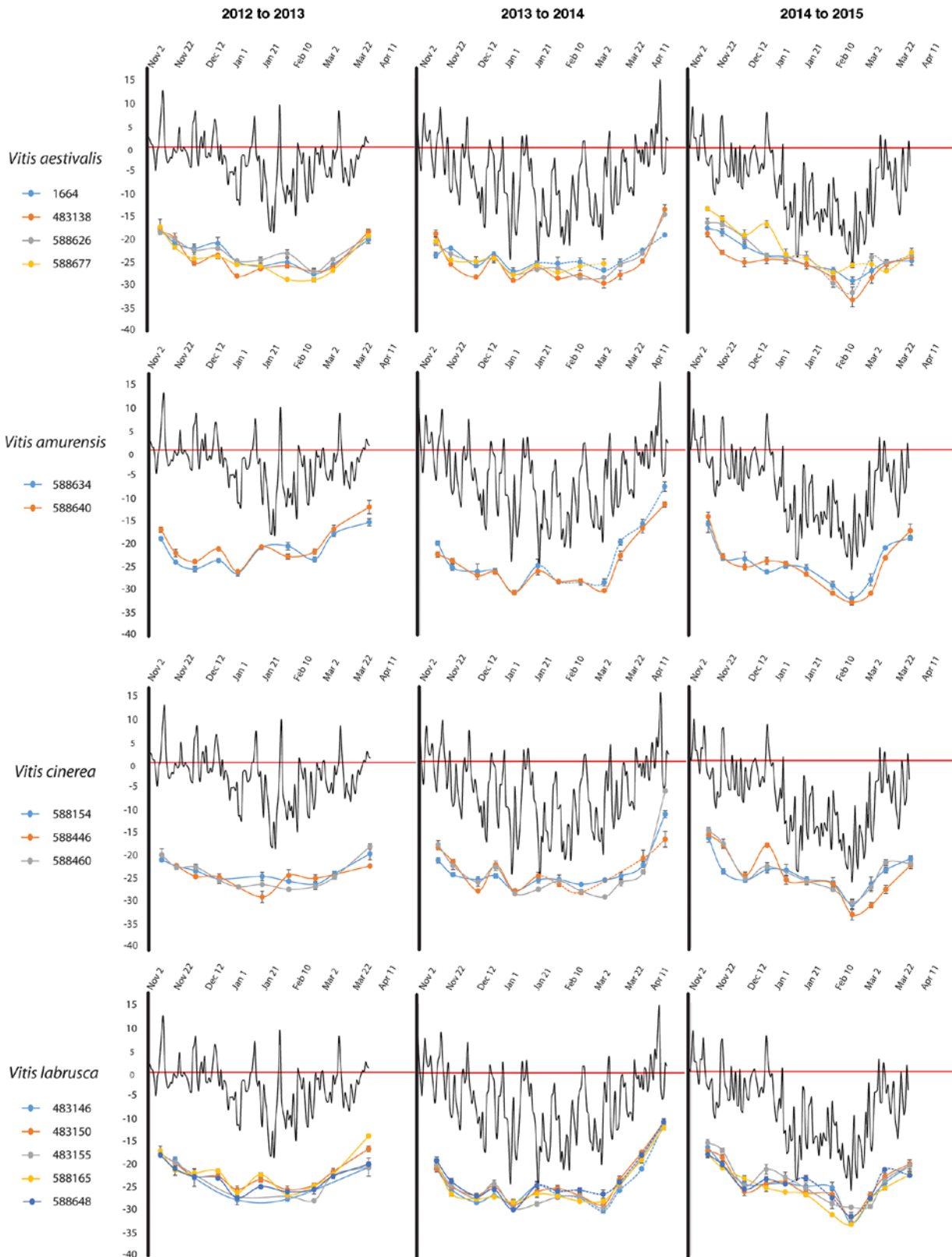


**Supplemental Data for:**

Londo JP and Kovaleski AP. 2017.

Characterization of wild North American grapevine cold hardiness using differential thermal analysis.

Am J Enol Vitic 68:203-212. doi: 10.5344/ajev.2016.16090.



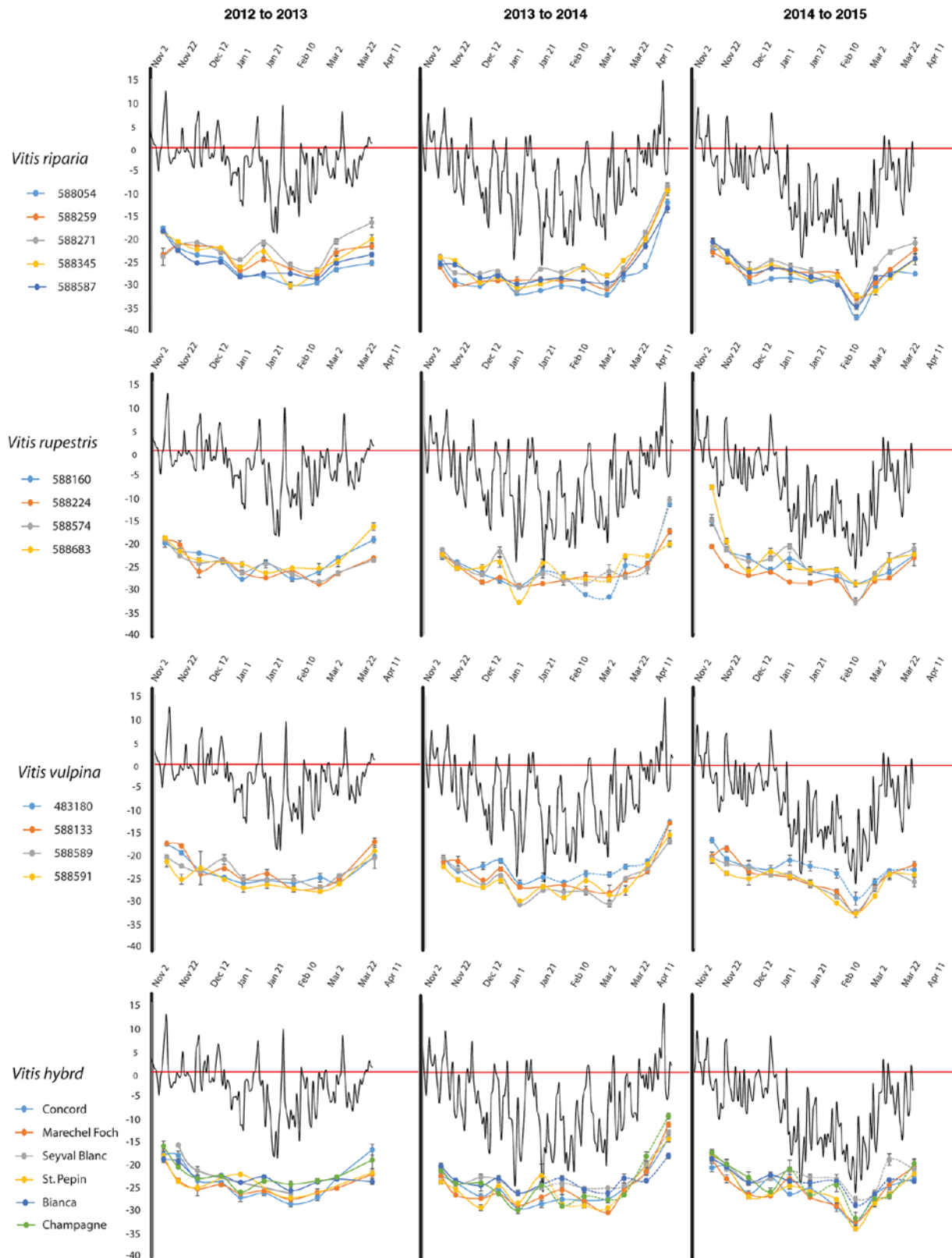
**Supplemental Figure 1** Low temperature exotherm (LTE) values for each genotype within species. LTE traces for each winter in the study shown for all genotypes. The x-axis displays time of winter starting 1 Nov and terminating at budburst each year. Black line indicates minimum daily temperatures, and red line indicates 0°C. Error bars are standard error measures. (Continued on page 2)

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**Supplemental Figure 1** (Continued from page 1) Low temperature exotherm (LTE) values for each genotype within species. LTE traces for each winter in the study shown for all genotypes. The x-axis displays time of winter starting 1 Nov and terminating at budburst each year. Black line indicates minimum daily temperatures, and red line indicates 0°C. Error bars are standard error measures.

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**Supplemental Table 1** Estimates for parameters in a model describing low temperature exotherms for seven *Vitis* species in three different years using time (days) and the temperature index  $\sigma_T$  as coefficients.

Species	Intercept	$\sigma_T$	Time <sup>2</sup>	Time	$\sigma_T$ :Time	$\sigma_T$ :Time <sup>2</sup>
<b>Year 1</b>						
<i>Vitis aestivalis</i>	-19.2	0.033	0.0009	-0.1557	$-6.9 \times 10^{-4}$	$4.7 \times 10^{-6}$
<i>V. amurensis</i>	-20.5	0.046	0.0013			
<i>V. cinerea</i>	-20.8	0.039	0.0010			
<i>V. labrusca</i>	-19.1	0.038	0.0011			
<i>V. riparia</i>	-19.4	0.037	0.0009			
<i>V. rupestris</i>	-19.9	0.034	0.0009			
<i>V. vulpina</i>	-19.0	0.034	0.0009			
<b>Year 2</b>						
<i>Vitis aestivalis</i>	-21.6	0.033	0.0005	-0.1557	$-6.9 \times 10^{-4}$	$4.7 \times 10^{-6}$
<i>V. amurensis</i>	-24.0	0.046	0.0008			
<i>V. cinerea</i>	-21.4	0.039	0.0005			
<i>V. labrusca</i>	-22.8	0.038	0.0007			
<i>V. riparia</i>	-25.6	0.037	0.0008			
<i>V. rupestris</i>	-23.7	0.034	0.0006			
<i>V. vulpina</i>	-21.6	0.034	0.0006			
<b>Year 3</b>						
<i>Vitis aestivalis</i>	-16.0	0.033	0.0007	-0.1557	$-6.9 \times 10^{-4}$	$4.7 \times 10^{-6}$
<i>V. amurensis</i>	-19.2	0.046	0.0010			
<i>V. cinerea</i>	-17.2	0.039	0.0009			
<i>V. labrusca</i>	-17.8	0.038	0.0009			
<i>V. riparia</i>	-20.9	0.037	0.0010			
<i>V. rupestris</i>	-18.9	0.034	0.0009			
<i>V. vulpina</i>	-17.9	0.034	0.0009			

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