

**Different signaling and cell-death roles of heterotrimeric G protein  $\alpha$  and  $\beta$  subunits in the *Arabidopsis* oxidative stress response to ozone.**

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**Supplemental Data**

**Supplemental Table 1. Conductivity measurements.** To measure tissue damage by ion leakage, 18 leaves from 2 plants were collected at the times indicated in each figure, rinsed with distilled water, then shaken in 25 ml distilled water on a rotary shaker at 100 rpm for 4 hrs at room temperature. The conductivity of the wash solution ( $\mu\text{S}/\text{cm}$ ) was determined using a Corning 316 conductivity meter (Corning Inc. Big Flats, NY). The total ion content was obtained by determining the conductivity of the same leaf-

Figure containing data	Genotype or treatment	Air		Ozone	
		Conductivity of wash sol'n ( $\mu\text{S}/\text{cm}$ )	Conductivity after autoclaving ( $\mu\text{S}/\text{cm}$ )	Conductivity of wash sol'n ( $\mu\text{S}/\text{cm}$ )	Conductivity after autoclaving ( $\mu\text{S}/\text{cm}$ )
Fig 1D	Col-O	64.2	676.5	117.5	668.3
	<i>agbl-2</i>	72.2	610.7	164.2	604.9
	<i>gpal-4</i>	64.5	611.3	78.3	673.2
Fig 3B-D	Control/DCMU	39.1	545.0	82.8	550.0
	DCMU	44.1	560.0	48.3	570.0
	Control /DPI	38.0	580.0	94.7	589.0
	DPI	47.1	562.0	49.6	578.0
	Control/AA	41.0	562.0	108.1	570.0
	AA	60.3	585.0	68.2	569.0
Fig 5C	Col-O	59.0	656.5	141.7	651.0
	<i>atrboh D</i>	58.9	649.0	133.8	662.0
	<i>atrboh F</i>	45.6	620.0	94.6	610.0
	<i>atrboh D/F</i>	32.2	609.0	76.6	602.0

Fig 2D	Air		Pretreatment		No pretreatment	
	Conductivity of wash sol'n (μS/cm)	Conductivity after autoclaving (μS/cm)	Conductivity of wash sol'n (μS/cm)	Conductivity after autoclaving (μS/cm)	Conductivity of wash sol'n (μS/cm)	Conductivity after autoclaving (μS/cm)
Col-O	36.8	399.0	39.6	523.3	86.3	480.0
<i>agbl-2</i>	21.8	368.0	52.2	413.3	101.4	312.0
<i>gpa1-4</i>	33.3	376.5	20.9	444.0	32.3	425.3