

Supplementary Material

Prescreening in large populations as a tool for identifying elevated CO₂-responsive genotypes in plants

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Table S1. Summary of studies from Table 1 that tested genotypic variations in e[CO₂] responsiveness in annual herbaceous and tree species

Number of genotypes tested	Category	Species	Number of studies
2	Herbaceous	Barley	1
		Chinese yam	1
		Common bean	1
		Grass	1
		Peanut	1
		Rice	7
		Soybean	4
		Wheat	12
		Lentil	1
3	Tree	Aspen (<i>Populus tremuloides</i>)	3
		Blue gum (<i>E. saligna</i>), Red ironbark (<i>E. sideroxylon</i>)	1
		European silver birch (<i>Betula pendula</i> Roth)	2
		<i>Picea abies, Picea rubens</i>	1
		Poplar (<i>Populus</i>)	2
		Trembling aspen (<i>Populus tremuloides</i> Michx.)	1
3	Herbaceous	Rice	4
		Soybean	1

	Tree	Deciduous broadleaf tree (<i>Betula platyphylla</i> var. <i>japonica</i> , <i>Betula</i>)	1
		Quaking aspen (<i>Populus tremuloides</i> Michx.)	1
	Herbaceous	Common bean	1
		Oat	1
		Rice	2
		Wheat	1
4	Tree	Beech (<i>Fagus sylvatica</i>)	1
		Maritime pine (<i>Pinus</i>)	1
		Quaking aspen (<i>Populus tremuloides</i> Michx.)	1
		Sitka spruce (<i>Picea sitchensis</i> Carr.)	2
	Herbaceous	Field pea	1
5		Rice	1
		Soybean	3
	Tree	Trembling aspen	3
	Herbaceous	Lentil	1
		Oilseed rape	1
6		Wheat	1
	Tree	<i>Eucalyptus</i> (<i>Eucalyptus camaldulensis</i>)	1
		Trembling aspen (<i>Populus tremuloides</i>)	1
	Herbaceous	Rice	1
8	Tree	Norway spruce (<i>Picea abies</i>)	1
		Poplar (<i>Populus</i>)	1
	Herbaceous	Clover	1
9		Soybean	1
		Wheat	1
11	Herbaceous	Rice	1
12	Herbaceous	Soybean	1
14	Herbaceous	Oat	1
	Tree	<i>Eucalyptus</i> (<i>Eucalyptus camaldulensis</i>)	1
15	Tree	<i>Eucalyptus</i> (<i>Eucalyptus grandis</i>)	1
16	Herbaceous	Rice	1
17	Herbaceous	Rice	1
	Tree	<i>Eucalyptus camaldulensis</i>	1
20	Herbaceous	Soybean	1
24	Herbaceous	Rice	1
29	Tree	White spruce (<i>Picea glauca</i>)	1
98	Herbaceous	Barley	1
138	Herbaceous	Barley	1
189	Herbaceous	Arabidopsis	1
285	Tree	Poplar (<i>Populus</i>)	1