Supporting information. Figs S1 & S2

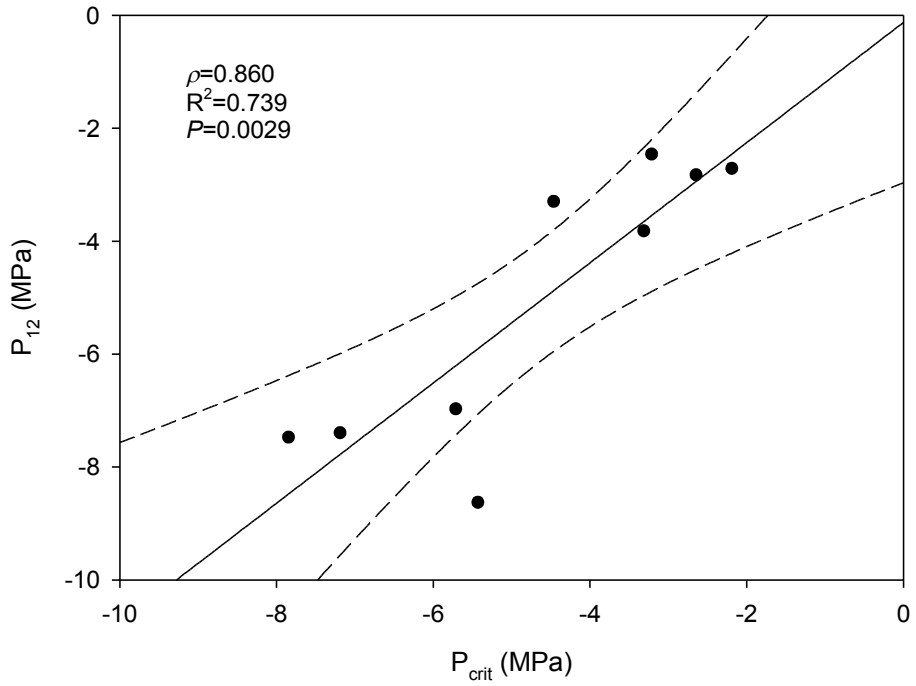

Fig S1. Relationship between P_{crit} registered in several species and P_{12} calculated form the vulnerability curves in the same species. VC curves adjustment was performed following Pammenter and Vander-Willigen (1998). P_{12} is considered an estimate of the xylem pressure at which embolism begins and was calculated from the regression curves for each species (Sparks and Black, 1999; Wortemann et al. 2011). The species used for this comparison were *Arbutus unedo* (VC from Vilagrosa, unpub. data), *Quercus ilex* (VC from Corcuera et al., 2004), *Q. coccifera* (VC from Vilagrosa et al., 2003), *Phyllirea angustifolia* (VC from the present study), *Rhamnus alaternus* (VC from the present study), *Rh. lycioides* (VC, Hernández, 2010), *Pistacia lenticus* (VC from Vilagrosa et al., 2003), *Myrtus communis* (VC from the present study), *Ceratonia siliqua* (VC from Salleo & LoGullo, 1993).

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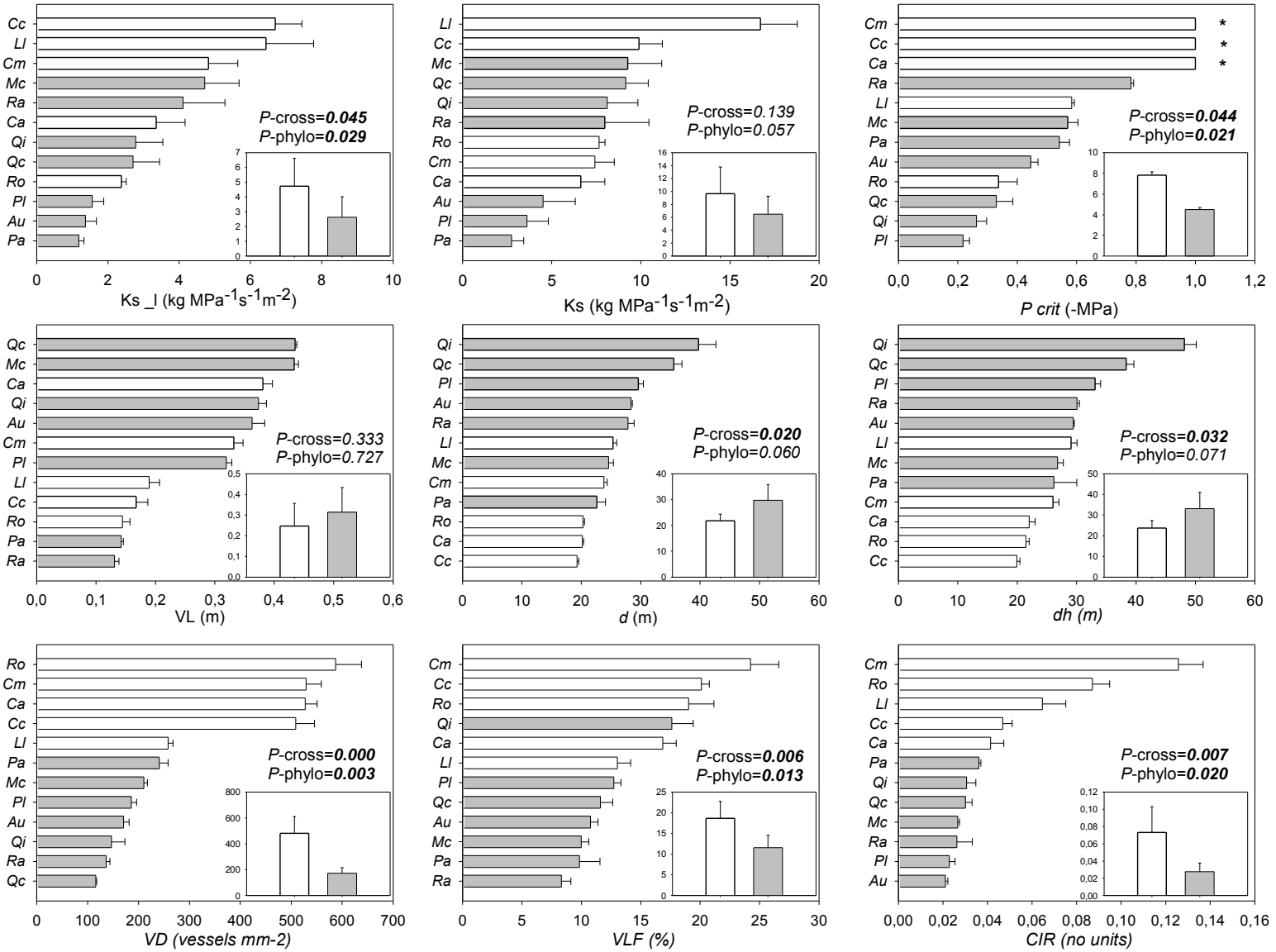
Cc Ll Cm Mc Ra Ca Qi Qc Ro Pl Au Pa
P-cross=0.045
P-phylo=0.029
Ks _l (kg MPa-1s-1m-2)
Ll Cc Mc Qc Qi Ra Ro Cm Ca Au Pl Pa
P-cross=0.139
P-phylo=0.057
Ks (kg MPa-1s-1m-2)
Cm Cc Ca Ra Ll Mc Pa Au Ro Qc Qi Pl
*
P-cross=0.044
P-phylo=0.021
P crit (-MPa)
Qc Mc Ca Qi Au Cm Pl Ll Cc Ro Pa Ra
P-cross=0.333
P-phylo=0.727
VL (m)
Qi Qc Pl Au Ra Ll Mc Cm Pa Ro Ca Cc
P-cross=0.020
P-phylo=0.060
d (m)
Qi Qc Pl Ra Au Ll Mc Pa Cm Ca Ro Cc
P-cross=0.032
P-phylo=0.071
dh (m)
Ro Cm Ca Cc Ll Pa Mc Pl Au Qi Ra Qc
P-cross=0.000
P-phylo=0.003
VD (vessels mm-2)
Cm Cc Ro Qi Ca Ll Pl Qc Au Mc Pa Ra
P-cross=0.006
P-phylo=0.013
VLF (%)
Cm Ro Ll Cc Ca Pa Qi Qc Mc Ra Pl Au
P-cross=0.007
P-phylo=0.020
CIR (no units)

Fig S2. Shoot hydraulic conductance, xylem characteristics and vulnerability to cavitation for the whole species used in this study and for both regeneration groups (small figure inside) in seeders (white columns) and resprouters (grey columns). Mean±SE, and the P-values of the statistical comparison made according to cross-species (*P*-cross) analyses and the phylogenetically controlled tests (*P*-phylo). Species legend according to Table 2 in the main article. (* species in which water potential surpassed the limit of Schölander bomb range).