Figure S1. Typical relationships between sample fresh weight and water potential for non-rehydrated (○) and rehydrated (●) shoots of *J. monosperma* (upper) and *P. edulis* (lower) collected from the same individuals. Extrapolation of the regressions to the y-axis at zero water potential yields an estimate of tissue saturated weight. Note that the initial data point for the rehydrated *J. monosperma* shoot shows evidence of a small oversaturation effect.
Figure S2. Typical relationships between turgor and relative water content in non-rehydrated (upper panels) and rehydrated (lower panels) shoots of *P. edulis* and *J. monosperma*. The slopes of the regression lines are estimates of the bulk tissue modulus of elasticity ($\varepsilon$). Values of initial shoot water potential ($\Psi$) are shown.
Figure S3. Plots of the relative water deficit at the turgor loss point (RWD@TLP) and the tissue bulk modulus of elasticity ($\varepsilon$) versus the initial shoot water potential for rehydrated (●) and non-rehydrated (○) shoots of *P. edulis*. Neither relationship was statistically significant.