Supplemental tables and figures for “Polarity of water transport across epidermal cell membranes in *Tradescantia virginiana*.”

Table S1. Examples of statistical results for the parameters of the individual fit curves in the supplemental data.

Estimates, approximate SE and 95% confidence limits for the pressure clamp shown in Fig. S1 (using Eq. 8, but note that parameter ***c*** is used here simply to fit the model to V rather than ΔV). Note also that $1/b$ is the parameter estimated because it is directly proportional to $T_{1/2}$, with units of seconds.

$\Delta V^{c}(t) = a \cdot e^{(-b \cdot t)}$ (Eq. 8)

Parameter	Estimate	Approx Std Error	Approximate 95% Confidence Limits	
a	-33347.0	62.3709	-33469.3	-33224.7
1/*b*	55.60	2.3	55.1575	56.0434
c	39926.5	27.7481	39872.1	39980.9

For the pressure relaxation shown in Fig. S2.

$P_{cell}(t) = a \cdot e^{(-b \cdot t)} + c$ (Eq. 3)

Parameter	Estimate	Approx Std Error	Approximate 95% Confidence Limits	
a	5.2989	0.4412	4.4330	6.1648
1/*b*	1.95	0.07	1.808	2.093
c	5.9957	0.00159	5.9926	5.9988

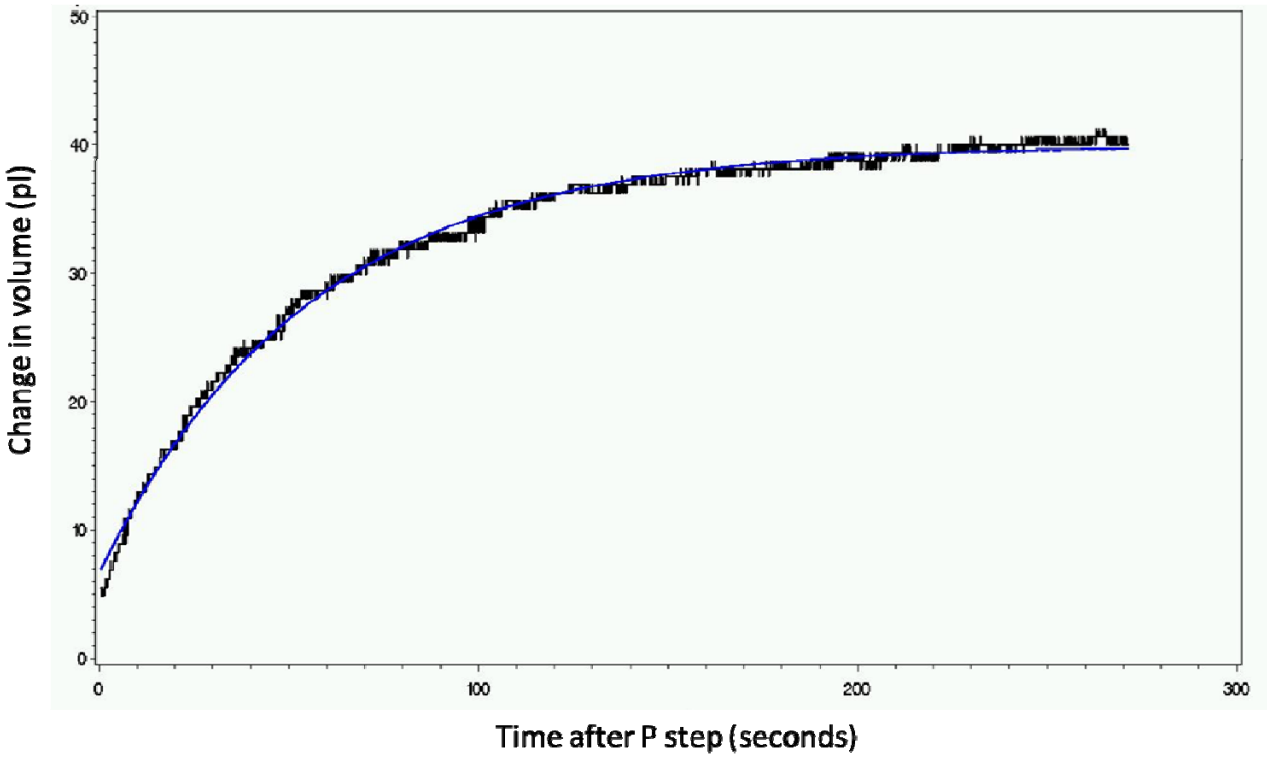

Figure S1. Example Pressure Clamp (PC) data, showing an exponential fit (solid blue line) to the raw data (black line) of the observed change in fluid volume within the capillary over time after the *P* step was made. Also shown, but hidden by the fit line, are the 95% confidence limits for the fit line (blue dash line).

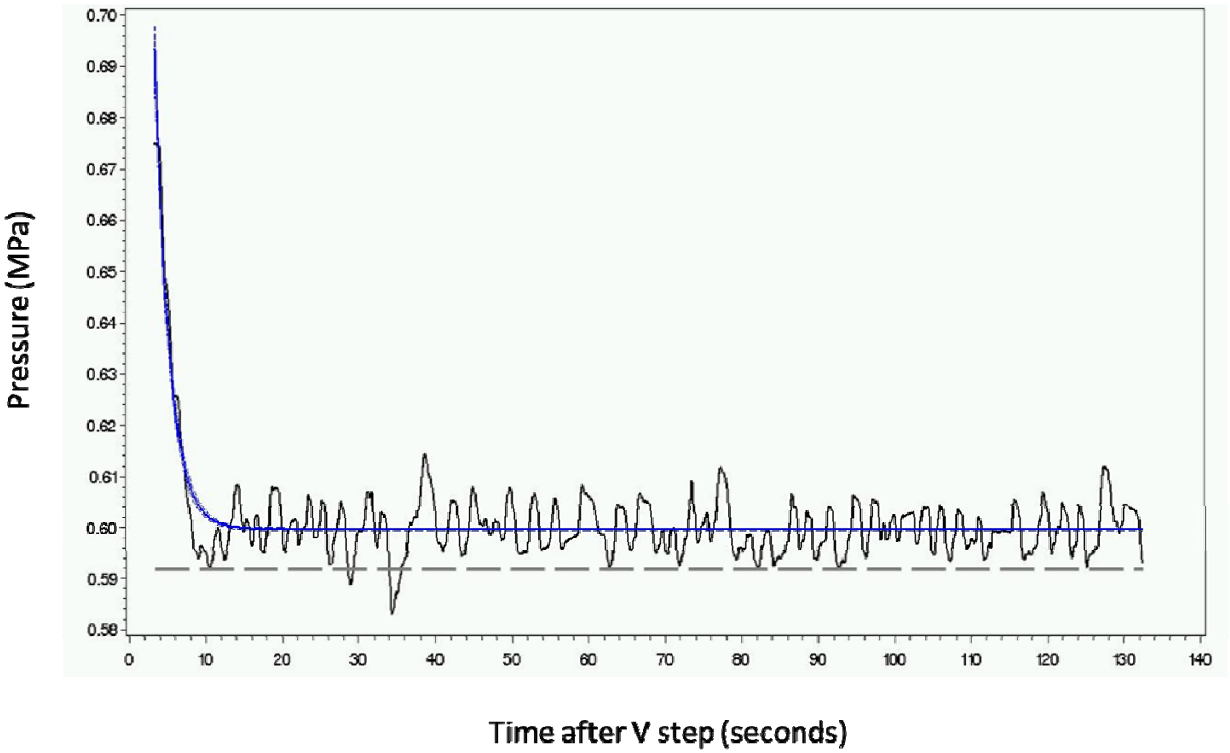

Figure S2. Example Pressure Relaxation (PR) data, showing an exponential fit (solid blue line) to the raw data (black line) of the observed change in P_{oil} over time after the V step was made. Also shown are the 95% confidence limits for the fit line (blue dash line), and the stable pressure prior to the change in V (grey dash line). .

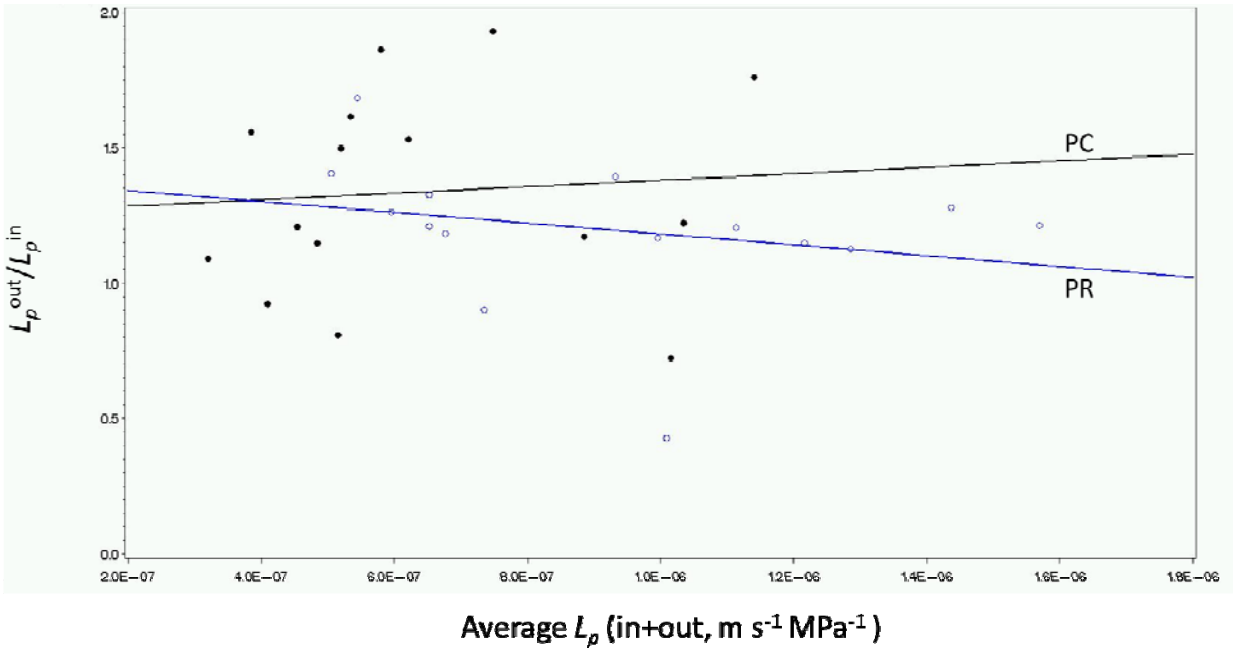

Figure S3. Lack of relation between the L_p^{out}/L_p^{in} ratio and the average L_p for each of the 15 cells shown in Table 2, using either the PC (black filled circles and regression line) or the PR (blue circles and regression line) method.