Table 2. Gas Exchange Analysis and Online Photosynthetic Discrimination

	A (μmol m^{-2} s^{-1})	g_s (mol H$_2$O m^{-2} s^{-1})	c_i (Pa)	Δ (‰)	g_i (μmol CO$_2$ m^{-2} s^{-1} Pa^{-1})	c_c (Pa)
Control	20.7 ± 0.4[a]	0.66 ± 0.07[a]	19.6 ± 0.5[a]	17.0 ± 0.4[a]	3.0 ± 0.3[a]	12.5 ± 0.9[a]
RNAi	19.6 ± 0.7[a]	0.56 ± 0.05[a]	19.4 ± 0.7[a]	16.3 ± 0.7[a]	2.4 ± 0.2[b]	10.8 ± 1.3[a]

Net photosynthesis (A), stomatal conductance to water vapor (g_s), intercellular CO$_2$ partial pressure (c_i), online photosynthetic ^{13}CO$_2$ discrimination (Δ), internal leaf conductance (g_i), and chloroplast CO$_2$ partial pressures (c_c) are reported for AQP1 RNAi and control tobacco plants. All measurements were made at a PPFD of 2000 μmol m^{-2} s^{-1}, except for g_i, which was calculated from measurements at multiple light intensities. Measurements are reported at an atmospheric pressure of ∼79 kPa, and leaves were provided with a c_a of ∼25.1 Pa at a light intensity of 2000 μmol m^{-2} s^{-1}, except g_i data, which were generated from multiple light intensities. Values reported for g_i can be converted to the more familiar, non-SI units of mol CO$_2$ m^{-2} s^{-1} bar^{-1} by dividing by 10. Different letters indicate significant differences (t test, P < 0.05), and SE is shown as ± ($n = 6$).