

Table 2 Comparison of photosynthetic characteristics in leaves of different resistance melon after inoculation with powdery mildew

Varieties	Treatment (time/d)	Net photosynthetic rate (Pn)	Stomatal conductance (Gs)	Intercellular CO <sub>2</sub> concentration (Ci)	Transpiration ratio (Tr)	Water use efficiency (WUE)	Stomatal limitation value (Ls)
16-6	1	18.03±0.18a	0.32±0.003a	204.67±4.09c	2.43±0.37d	7.73±1.06cd	0.51±0.01cd
	3	18.67±0.12a	0.27±0.01abc	191.67±8.21d	1.56±0.47e	11.99±0.38a	0.48±0.02de
	5	16.90±0.21b	0.27±0.01abc	178.00±1.00e	1.72±0.14e	9.92±0.67b	0.45±0.003e
	7	15.10±0.38cd	0.15±0.03bcd	154.33±0.67fg	1.51±0.06e	10.03±0.50b	0.39±0.003f
	9	14.47±0.20d	0.19±0.003de	147.00±1.73g	1.65±0.01e	8.78±0.67bc	0.37±0.005f
04-38	1	18.40±0.06a	0.27±0.02abc	220.67±12.78ab	3.84±0.10a	4.80±0.14g	0.55±0.34ab
	3	18.27±0.28a	0.28±0.02abc	226.00±4.16a	3.49±0.11ab	5.24±0.15fg	0.57±0.01a
	5	15.63±0.49c	0.28±0.02abc	207.33±1.76bc	3.20±0.15bc	4.89±0.08g	0.52±0.006bc
	7	13.60±0.06e	0.23±0.003ced	177.33±1.45e	2.83±0.37cd	4.81±0.04g	0.44±0.003e
	9	13.03±0.09e	0.18±0.02e	163.00±1.53f	2.58±0.76d	5.06±0.18fg	0.41±0.003f
15B-42	1	18.33±0.03a	0.31±0.04ab	210.33±1.67bc	3.56±0.98ab	5.15±0.15fg	0.53±0.003bc
	3	18.00±0.10a	0.31±0.003ab	185.67±0.67de	2.63±0.13d	6.85±0.26de	0.46±0.009e
	5	15.53±0.33c	0.26±0.02abc	176.67±2.02e	2.47±0.03d	6.33±0.31ef	0.44±0.003e
	7	13.20±0.26e	0.22±0.01cde	159.33±4.10fg	1.63±0.12e	8.08±0.06cd	0.40±0.00f
	9	13.27±0.15e	0.19±0.005e	153.67±8.21fg	1.56±0.37e	8.61±0.70c	0.38±0.003f

Note: The different normal letters in the same column indicate significant difference among treatments at 0.05 level