

**Table S1.** Experimental design for arranging the treatments in saffron (a=PGRs, b=light spectra).

Rep. 1			Rep. 2			Rep. 3		
a1b1	Aluminum Foil Panel	a1b2	a2b1	Aluminum Foil Panel	a2b2	a3b1	Aluminum Foil Panel	a3b2
a1b3		a1b4	a2b3		a2b4	a3b3		a3b4
a2b1		a2b2	a3b1		a3b2	a1b1		a1b2
a2b3		a2b4	a3b3		a3b4	a1b3		a1b4
a3b1		a3b2	a1b1		a1b2	a2b1		a2b2
a3b3		a3b4	a1b3		a1b4	a2b3		a2b4

In phytotron, rooms are separated horizontally using metal sheets.