

Table S2 CIELab coordinates including perceptual lightness (L^*), redness/greenness (a^*), yellowness/blueness (b^*), chroma (C^*), and hue angle (h°) in petals of four petunia cultivars measured for each treatment via a portable colorimeter. Detailed data of four biological replicates for each treatment were presented here.

Treatments	Replicates	White					Pink					Dark pink					Red				
		L^*	a^*	b^*	C^*	h°	L^*	a^*	b^*	C^*	h°	L^*	a^*	b^*	C^*	h°	L^*	a^*	b^*	C^*	h°
NH ₄ NO ₃	R1	67	-5.5	6.3	8.4	131.2	35.8	41.6	-10.8	43	345.4	30.8	53.6	-7.3	54.1	352.3	31.3	46.1	14.4	48.3	17.3
	R2	66.3	-5.6	5.8	7.7	131.6	37.1	44.1	-9.6	45.1	347.8	31.6	50.6	-6.9	51.1	352.3	33.5	45.5	14	47.6	17.1
	R3	67.2	-5.6	8.2	10	124.4	38.5	39	-5.4	39.4	352.2	30.1	50.3	-6.6	50.7	352.5	30.9	47.5	15.7	50	18.3
	R4	67	-6.2	7.6	9.8	129.4	39.6	39.2	-6.2	39.6	351.1	26.9	51.8	-6.9	52.2	352.4	28.9	49.4	15.2	51.6	17.1
NH ₄ -N	R1	63	-4.6	6.7	8.2	124.6	40.5	39.3	-6.2	39.8	351	29.9	52.3	-5.5	52.6	354.1	30.2	47.8	13.6	49.7	15.9
	R2	63.3	-4.6	6.8	8.2	124.3	38.1	40.9	-4.6	41.2	353.5	30.4	57.2	-6.5	57.6	353.5	26.7	52.1	15.3	54.3	16.4
	R3	63.1	-3.3	7.9	8.5	112.9	38.9	37	-3.7	37.2	354.2	30.7	51.3	-8.5	52	350.5	27.7	50.9	16.8	53.6	18.2
	R4	62.3	-4.7	5.7	7.3	129.5	42.8	34.3	-7.5	35.1	347.6	32.3	53.1	-5.8	53.4	353.7	31.4	47	15.5	49.5	18.3
NO ₃ -N	R1	66.6	-5.3	5.8	7.8	132.3	42.4	33.7	-5.7	34.2	350.4	28.6	49.5	-7.5	50	351.3	26.6	47.5	19.6	51.4	22.5
	R2	61.4	-3.8	5.6	6.8	123.9	30.7	44.2	-9.3	45.2	348.1	25.5	54.8	-3.6	55	356.3	24.9	48.4	16.3	51.1	18.6
	R3	63.8	-4.4	6.8	8.1	123	45.7	25.6	-7.2	26.8	344.5	25.9	53.7	-6.4	54.1	353.2	28	48.5	20.2	52.6	22.6
	R4	61.9	-4.2	6.4	7.6	123.4	42.3	35.7	-8.8	36.8	346.2	28	53.9	-4.6	54.1	355.1	28.2	48.5	14.2	50.5	16.3