

Supplementary Table S5. Comparisons of Cultivar x Treatment interactions in each trait in the 2018 experiment one (Expt.2018a)

(Left half: treatment comparisons for each cultivar; right half: cultivar comparisons for each treatment)

Trait	Cultivar	Treatment	Significance at P=0.05	Least Sq Mean	Treatment	Cultivar	Significance at P=0.05	Least Sq Mean
Nitrate content (mg/kg)	Fenyuan	T1	C	70.72	T1	Fenyuan	B	70.72
		T3	BC	78.63		Xiariyangguang	A	104.07
		T4	BC	77.65		Huangzhenzhu	A	107.42
		T2	B	80.65	T2	Fenyuan	B	80.65
		T5	B	79.68		Xiariyangguang	A	108.21
		T6	A	115.03		Huangzhenzhu	A	108.23
	Huangzhenzhu	T5	C	106.33	T3	Fenyuan	B	78.63
		T4	BC	108.34		Xiariyangguang	A	105.81
		T2	BC	108.23		Huangzhenzhu	A	107.59
		T3	BC	107.59	T4	Fenyuan	B	77.65
		T1	BC	107.42		Xiariyangguang	A	107.59
		T6	A	119.73		Huangzhenzhu	A	108.34
	Xiariyangguang	T3	B	105.81	T5	Fenyuan	B	79.68
		T5	B	104.99		Xiariyangguang	A	104.99
		T1	B	104.07		Huangzhenzhu	A	106.33
		T2	B	108.21	T6	Fenyuan	A	115.03
		T4	B	107.59		Xiariyangguang	A	119.97
		T6	A	119.97		Huangzhenzhu	A	119.73
Soluble solids (%)	Fenyuan	T2	A	7.91	T1	Fenyuan	A	7.1
		T4	AB	7.52		Xiariyangguang	A	6.9
		T3	AB	7.46		Huangzhenzhu	A	6.75
		T5	ABC	7.28	T2	Fenyuan	A	7.91
		T1	BC	7.1		Xiariyangguang	AB	7.12
		T6	C	6.55		Huangzhenzhu	B	7.09
	Huangzhenzhu	T2	A	7.12	T3	Fenyuan	A	7.46
		T4	A	7.09		Xiariyangguang	A	6.85
		T1	A	6.9		Huangzhenzhu	A	6.82
		T3	A	6.85	T4	Fenyuan	A	7.52
		T5	A	6.83		Xiariyangguang	A	7.09
		T6	A	6.5		Huangzhenzhu	A	6.89
	Xiariyangguang	T2	A	7.09	T5	Fenyuan	A	7.28
		T4	A	6.89		Xiariyangguang	A	6.83
		T3	A	6.82		Huangzhenzhu	A	6.74
		T1	A	6.75	T6	Fenyuan	A	6.55
		T5	A	6.74		Xiariyangguang	A	6.5
		T6	A	6.3		Huangzhenzhu	A	6.3
Total_soluble_sugar content (mg/g)	Fenyuan	T2	A	56.21	T1	Fenyuan	A	54.19
		T4	A	55.43		Xiariyangguang	A	53
		T3	A	54.68		Huangzhenzhu	B	44.33
		T5	A	54.2	T2	Fenyuan	A	56.21
		T1	A	54.19		Xiariyangguang	A	54.69
		T6	B	45.64		Huangzhenzhu	B	45.69
	Huangzhenzhu	T2	A	54.69	T3	Fenyuan	A	54.68
		T4	AB	53.98		Xiariyangguang	A	52.66
		T1	B	53		Huangzhenzhu	B	44.89
		T3	B	52.66	T4	Fenyuan	A	55.43
		T5	B	50.99		Xiariyangguang	A	53.98
		T6	C	43.82		Huangzhenzhu	B	45.21
	Xiariyangguang	T2	A	45.69	T5	Fenyuan	A	54.2

