

Supplementary Table S6. Comparisons of Cultivar x Treatment interactions in each trait in the 2018 experiment two (Expt.2018b)

(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	
Number of fruit cluster	Fenyuan	T2	A	8.2	T1	Xiariyangguang	A	7612.8	
		T4	A	8		Fenyuan	B	5728.5	
		T3	A	7.8		Hongyu	C	3712.8	
		T5	AB	7.7		Huangzhenzhu	C	3655.6	
		T1	AB	7.6		T2	Xiariyangguang	A	7691.3
		T6	B	6.8			Fenyuan	B	5796.4
	T2	A	8.1	Hongyu	C		3768.9		
	Hongyu	T4	A	7.9	T3	Huangzhenzhu	C	3700.1	
		T1	A	7.8		Xiariyangguang	A	7658.6	
		T5	A	7.8		Fenyuan	B	5735.8	
		T3	A	7.7	Hongyu	C	3722.4		
		T6	B	6.6	Huangzhenzhu	C	3672.8		
		Xiariyangguang	T2	A	8.3	T4	Xiariyangguang	A	7665.2
	T4		A	8.1	Fenyuan		B	5742.6	
	T3		A	8	Hongyu		C	3752.8	
	T5		A	7.9	Huangzhenzhu		C	3689.6	
	Huangzhenzhu		T1	A	7.8	T5	Xiariyangguang	A	7620.1
			T6	B	6		Fenyuan	B	5722.9
			T2	A	8.1		Hongyu	C	3716.5
			T4	A	7.8	Huangzhenzhu	C	3677.2	
			T3	A	7.5	T6	Fenyuan	A	5232.6
			T1	A	7.4		Xiariyangguang	A	5098.5
	T5		A	7.4	Huangzhenzhu		B	3406.9	
	T6		B	6.2	Hongyu	C	2917.2		
Fruit_cracking_rate (%)	Fenyuan	T3	B	0	T1	Fenyuan	A	0	
		T1	B	0		Hongyu	A	0	
		T5	B	0.13		Huangzhenzhu	A	0	
		T4	B	0.14		Xiariyangguang	A	1.2	
		T2	B	0.19	T2	Hongyu	B	0	
		T6	A	3.1		Fenyuan	B	0.19	
	Hongyu	T1	A	0	T3	Huangzhenzhu	AB	0.7	
		T2	A	0		Xiariyangguang	A	2.1	
		T3	A	0		Fenyuan	A	0	
		T4	A	0	Hongyu	A	0		
		T5	A	0	Huangzhenzhu	A	1.2		
		T6	A	0	Xiariyangguang	A	1.5		
	Xiariyangguang	T1	B	1.2	T4	Hongyu	B	0	
		T5	B	1.3		Fenyuan	B	0.14	

		T3	B	1.5	Huangzhenzhu	AB	1.5			
		T4	B	1.9		A	1.9			
		T2	B	2.1		Hongyu	A	0		
		T6	A	7.7		Fenyuan	A	0.13		
	Huangzhenzhu	T1	B	0		T5	Xiariyangguang	A	1.3	
		T2	B	0.7			Huangzhenzhu	A	1.4	
		T3	B	1.2			Hongyu	D	0	
		T5	B	1.4			Fenyuan	C	3.1	
		T4	B	1.5			Xiariyangguang	B	7.7	
		T6	A	10.9			Huangzhenzhu	A	10.9	
	Number_of_fruits_per_cluster	Fenyuan	T2	A		21.7	T1	Hongyu	A	7.8
			T4	A		21.5		Xiariyangguang	A	7.8
			T5	A		20.8		Fenyuan	B	7.6
			T1	A		20.1		Huangzhenzhu	B	7.4
T3			A	20.1	Fenyuan	A		8.2		
T6			B	17.1	Hongyu	A		8.1		
Hongyu		T2	A	13.5	T2	Xiariyangguang	A	8.3		
		T4	A	12.8		Huangzhenzhu	A	8.1		
		T3	AB	12.4		Fenyuan	A	7.8		
		T1	AB	12.2		Xiariyangguang	A	8		
		T5	AB	12.1		Hongyu	A	7.7		
		T6	B	10.4		Huangzhenzhu	A	7.5		
Xiariyangguang		T6	A	30.9	T4	Fenyuan	A	8		
		T2	AB	30.2		Hongyu	A	7.9		
		T4	AB	29.8		Xiariyangguang	A	8.1		
		T3	AB	29.4		Huangzhenzhu	A	7.8		
		T5	B	28.7		Hongyu	A	7.8		
		T1	B	28.4		Xiariyangguang	A	7.9		
		Huangzhenzhu	T2	A	18.1	T5	Fenyuan	A	7.7	
			T6	A	17.9		Huangzhenzhu	A	7.4	
			T4	A	17.8		Fenyuan	A	6.8	
			T3	A	17.8		Hongyu	A	6.6	
			T5	A	17.3		Xiariyangguang	A	6	
			T1	A	17.2		Huangzhenzhu	A	6.2	
Single_fruit_weight (g)	Fenyuan	T2	A	16	T1	Xiariyangguang	A	28.4		
		T6	A	16		Fenyuan	B	20.1		
		T4	A	15.8		Huangzhenzhu	C	17.2		
		T3	A	15.6		Hongyu	D	12.2		
		T5	A	15.4		Xiariyangguang	A	30.2		
	Hongyu	T1	A	15	T2	Fenyuan	B	21.7		
		T3	A	18.1		Huangzhenzhu	C	18.1		
		T2	A	17.9		Hongyu	D	13.5		
		T5	A	17.3		Xiariyangguang	A	29.4		

		T4	A	17.1		Fenyuan	B	20.1	
		T1	A	17		Huangzhenzhu	C	17.8	
		T6	A	17		Hongyu	D	12.4	
	Xiariyangguang	T2	A	16.8	T4	Xiariyangguang	A	29.8	
		T4	A	16.6		Fenyuan	B	21.5	
		T3	A	16.4		Huangzhenzhu	C	17.8	
		T5	A	16.1		Hongyu	D	12.8	
		T1	A	16	T5	Xiariyangguang	A	28.7	
		T6	B	11		Fenyuan	B	20.8	
	T2	A	13.9	Huangzhenzhu		C	17.3		
	Huangzhenzhu	T4	A	13.5		Hongyu	D	12.1	
		T3	A	13.2	T6	Xiariyangguang	A	30.9	
		T5	A	13.2		Fenyuan	B	17.1	
		T6	A	13		Huangzhenzhu	C	17.9	
		T1	A	13		Hongyu	D	10.4	
Fruit yield (kg/667m ²)		Fenyuan	T2	A		5796.4	T1	Hongyu	A
	T4		A	5742.6		Xiariyangguang		AB	16
	T3		A	5735.8	Fenyuan	B		15	
	T1		A	5728.5	Huangzhenzhu	C		13	
	T5		A	5722.9	T2	Hongyu	A	17.9	
	T6		B	5232.6		Xiariyangguang	AB	16.8	
	T2	A	3768.9	Fenyuan		B	16		
	Hongyu	T4	A	3752.8		Huangzhenzhu	C	13.9	
		T3	A	3722.4	T3	Hongyu	A	18.1	
		T5	A	3716.5		Xiariyangguang	B	16.4	
		T1	A	3712.8		Fenyuan	B	15.6	
		T6	B	2917.2		Huangzhenzhu	C	13.2	
		T2	A	7691.3		T4	Hongyu	A	17.1
	T4	A	7665.2	Xiariyangguang			A	16.6	
	T3	A	7658.6	Fenyuan	A		15.8		
	T5	A	7620.1	Huangzhenzhu	B		13.5		
	Xiariyangguang	T1	A	7612.8	T5	Hongyu	A	17.3	
		T6	B	5098.5		Xiariyangguang	AB	16.1	
		T2	A	3700.1		Fenyuan	B	15.4	
		Huangzhenzhu	T4	A	3689.6		Huangzhenzhu	C	13.2
			T5	A	3677.2	T6	Hongyu	A	17
			T3	A	3672.8		Fenyuan	A	16
	T1		A	3655.6	Huangzhenzhu		B	13	
	T6		B	3406.9	Xiariyangguang		C	11	