

**Supplementary Table S4. Comparisons of Cultivar x Treatment interactions in each trait in the 2017 experiment (Expt.2017)**  
 (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
Height (cm)	Fenyuan	T1	A	61.9	T1	Yuanwei NO.1	A	76.2
		T2	A	62.3		Xiariyangguan	A	73.9
		T3	A	62		Hongyu	B	66.9
		T4	A	62.1		Ziyu	C	62.8
		T5	A	61.9		Fenyuan	C	61.9
		T6	B	57.2				
	Hongyu	T2	A	69.1	T2	Yuanwei NO.1	A	79.1
		T3	A	67.8		Xiariyangguan	B	76.1
		T4	A	68.4		Hongyu	C	69.1
		T1	AB	66.9		Ziyu	D	65.2
		T5	AB	67.1		Fenyuan	E	62.3
		T6	B	65.1				
	Xiariyangguan	T2	A	76.1	T3	Yuanwei NO.1	A	76.9
		T3	A	74.8		Xiariyangguan	A	74.8
		T4	A	75.9		Hongyu	B	67.8
		T1	A	73.9		Ziyu	C	63.7
		T5	A	74.1		Fenyuan	C	62
		T6	B	67.2				
	Yuanwei NO.1	T2	A	79.1	T4	Yuanwei NO.1	A	78.8
		T4	A	78.8		Xiariyangguan	B	75.9
		T3	AB	76.9		Hongyu	C	68.4
		T5	AB	76.7		Ziyu	D	64.8
		T1	B	76.2		Fenyuan	E	62.1
		T6	C	68.3				
Ziyu	T2	A	65.2	T5	Yuanwei NO.1	A	76.7	
	T4	A	64.8		Xiariyangguan	B	74.1	
	T1	A	62.8		Hongyu	C	67.1	
	T3	A	63.7		Ziyu	D	63	
	T5	A	63		Fenyuan	D	61.9	
	T6	B	56.1					
Number of fruits on base cluster	Fenyuan	T2	A	4.1	T1	Hongyu	A	4.8
		T4	A	4		Yuanwei NO.1	B	3.7
		T3	A	3.9		Fenyuan	B	3.7
		T1	A	3.7		Ziyu	B	3.8
		T5	A	3.8		Xiariyangguan	B	3.7
		T6	B	1.7				
	Hongyu	T2	A	5.3	T2	Hongyu	A	5.3
		T4	A	5.1		Yuanwei NO.1	AB	4.4
		T3	A	5		Ziyu	BC	4.2
		T5	A	4.9		Xiariyangguan	BC	4.2
		T1	A	4.8		Fenyuan	C	4.1
		T6	B	2.9				
	Xiariyangguan	T2	A	4.2	T3	Hongyu	A	5
		T4	A	4		Yuanwei NO.1	B	3.9
		T3	A	3.9		Fenyuan	B	3.9
						Ziyu	B	3.9
						Xiariyangguan	B	3.9

Stem_diameter (mm)	Yuanwei NO.1	T1	A	3.7	T4	Hongyu	A	5.1	
		T5	A	3.8		Yuanwei NO.1	B	4	
		T6	B	2.3		Fenyuan	B	4	
		T2	A	4.4		Ziyu	B	4	
		T4	A	4		Xiariyangguan g	B	4	
		T3	A	3.9		T5	Hongyu	A	4.9
	T1	A	3.7	Yuanwei NO.1	B		3.8		
	T5	A	3.8	Fenyuan	B		3.8		
	T6	B	2.4	Ziyu	B		3.8		
	T2	A	4.2	Xiariyangguan g	B		3.8		
	T4	A	4	T6	Hongyu		A	2.9	
	T3	A	3.9		Yuanwei NO.1	A	2.4		
	T1	A	3.8		Ziyu	A	2.2		
	T5	A	3.8		Xiariyangguan g	A	2.3		
	T6	B	2.2		Fenyuan	A	1.7		
	Stem_diameter (mm)	Fenyuan	T2		A	12.65	T1	Hongyu	A
			T4	A	12.23	Xiariyangguan g		AB	11.25
			T3	A	12.09	Fenyuan		AB	10.27
			T5	A	11.88	Ziyu		AB	10.3
			T1	A	10.27	Yuanwei NO.1		B	8.58
			T6	A	10.14	T2		Hongyu	A
		T2	A	14.36	Xiariyangguan g		A	13.96	
		T4	AB	13.65	Fenyuan		AB	12.65	
		T3	AB	12.55	Ziyu		AB	11.8	
T5		AB	12.66	Yuanwei NO.1	B		9.96		
T1		AB	12.24	T3	Hongyu		A	12.55	
T6		B	11.15		Xiariyangguan g	AB	12.52		
T2		A	13.96		Fenyuan	AB	12.09		
T4		AB	13.15		Ziyu	BC	10.8		
T3		AB	12.52		Yuanwei NO.1	C	8.97		
T5		AB	11.89		T4	Hongyu	A	13.65	
T1		BC	11.25	Xiariyangguan g		AB	13.15		
T6		C	10.4	Fenyuan		AB	12.23		
T2		A	9.96	Ziyu		BC	11		
T3		A	8.97	Yuanwei NO.1		C	9.03		
T4		A	9.03	T5		Hongyu	A	12.66	
T5		A	8.62		Fenyuan	AB	11.88		
T1		A	8.58		Xiariyangguan g	AB	11.89		
T6		A	8.43		Ziyu	BC	10.7		
T2	A	11.8	Yuanwei NO.1		C	8.62			
T4	A	11	T6		Hongyu	A	11.15		
T3	A	10.8		Fenyuan	AB	10.14			
T5	A	10.7		Xiariyangguan g	AB	10.4			
T1	A	10.3		Ziyu	BC	9.6			
T6	A	9.6		Yuanwei NO.1	C	8.43			

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