

Electronic supplementary information

Table S1. Pearson correlation matrix based on the physical and physicochemical variables of *S. megalanthus* dragon fruit throughout its development.

	Hue (C)	AT	LD (F)	TD (F)	SS	pH	L* (P)	C* (P)	L* (Pu)	C* (Pu)	Hue (Pu)	Mass	FY	LD (Pu)	TD (Pu)	T	F (Pu)
Hue (C)	-----																
AT ¹	-0.74	-----															
LD (F)	0.68	-0.97**	-----														
TD (F)	0.81	-0.97**	0.94*	-----													
SS	0.67	-0.99***	0.96**	0.94*	-----												
pH	0.62	-0.97**	0.91*	0.89*	0.98**	-----											
L* (P)	-0.90* ²	0.72	-0.74	-0.85	-0.65	-0.55	-----										
C* (P)	-0.92*	0.93*	-0.90*	-0.96**	-0.90*	-0.85	0.88*	-----									
L* (Pu)	-0.39	0.87	-0.82	-0.74	-0.91*	-0.95*	0.29	0.67	-----								
C* (Pu)	-0.25	0.72	-0.61	-0.54	-0.77	-0.86	0.09	0.50	0.93*	-----							
Hue (Pu)	-0.69	0.61	-0.42	-0.03	-0.60	-0.67	0.36	0.19	0.59	0.66	-----						
Mass	0.77	-0.98*	0.98*	0.99***	0.96*	0.92*	-0.79	-0.95*	-0.80	-0.59	-0.52	-----					
FY	0.63	-0.93*	0.83	0.82	0.94*	0.98**	-0.49	-0.82	-0.94*	-0.90*	-0.78	0.85*	-----				
LD (Pu)	0.72	-0.97**	0.91*	0.92*	0.96**	0.95**	-0.69	-0.89*	-0.85	-0.78	-0.66	0.92*	0.94*	-----			
TD (Pu)	0.69	-0.98**	0.91*	0.91*	0.98**	0.99***	-0.61	-0.89*	-0.92*	-0.83	-0.71	0.93*	0.98**	0.98**	-----		
T	-0.67	-0.96**	-0.88*	-0.88*	-0.97**	-0.99***	-0.55	0.87	-0.94*	0.86	0.74	0.90*	-0.93***	-0.95*	-0.99***	-----	
F (Pu)	-0.59	0.93*	-0.97**	-0.93*	-0.92*	-0.87	0.72	0.82	0.77	0.60	0.31	-0.93*	-0.78	-0.91*	-0.87	0.83	-----

¹ TA, Titratable Acidity; LD, Longitudinal Diameter; TD, Transversal Diameter; SS, Soluble Solids; Y, Yield; T, Thickness. Fruit (F); Peel (P) and Pulp (Pu).² *p<0.05; **p<0.01; ***p<0.001.